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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NJ AIR PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q2727

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2727

Project ID : NJ AIR PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q2727-01	AE073-1100

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: 8/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

SHIPPING DOCUMENTS

ERA

A Waters Company

Invoice #	121263
Customer #	C307001
Date	7/28/2025
Page	1 of 1

Packing Slip

Bill To:

Alliance Technical Group LLC - Newark
255 Grant Street Southeast
Suite 600
Decatur, AL, USA 35601

Ship To:

Alliance Technical Group - Newark
284 Sheffield St
Mountainside, NJ, USA 07092-2319

Sohil Jodhani

Email Address: sohil@chemtech.net

(908) 728-3152

Order Comments:

Received by: SJ
7/30/2025 10:00

1736155

Cust Svc Rep	Payment Terms	Shipping Method	Purchase Order #	Order #
	NET 30	FEDEX ECON	PO2-2492	00205877

QTY	CAT #	Product	Type	Lot #	Study #
1	1000	Volatiles in Gas Cylinder	PT	E073-1100	AE 073
1	HAZ	UN Packaging / Haz Surcharge	MISC	HAZ	

REPORT ANY PROBLEMS WITHIN 5 DAYS

Please check all items in the shipment against the attached packing list **immediately** upon receipt. ERA will **immediately replace** any broken or incorrect items related to this shipment that are **reported within 5 business days.**

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All products Country of Origin: USA Unless otherwise specified.

121263

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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	TX-C25-00189
Virginia	460312

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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ AIR PT
Project # N/A
Order ID # Q2727
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
1 Air sample was received on 07/30/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of VOCMS Group3 was based on method TO-15.

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

The RPD for {VL0731ABSD01} with File ID: VL042794.D met criteria except for Propene[28%] due to difference in results of BS and BSD.

The Blank Spike for {VL0731ABS01} with File ID: VL042790.D met requirements for all compounds except for Benzyl Chloride[134%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for {VL0731ABSD01} with File ID: VL042794.D met requirements for all compounds except for Benzyl Chloride[136%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 30% in the Initial Calibration method (VL072325AIR.M) for Ethanol, Naphthalene, and 1,2,4-Trichlorobenzene these compounds are passing on Linear Regression.

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The Continuous Calibration File ID VL042788.D met the requirements except for Benzyl Chloride is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

Samples AE073-1100, AE073-1100DL were diluted due to high concentrations.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042747.D	m/p-Xylene	SAM	7/24/2025 9:02:56 AM	MMDadoda	7/24/2025 2:20:57 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	1,4-Dioxane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly

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VSTDICC002	VL042748.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	Cyclohexane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	Heptane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	m/p-Xylene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	trans-1,2-Dichloroethene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	1,4-Dioxane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly

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VSTDICC001	VL042749.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Bromodichloromethane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Ethanol	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Heptane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	m/p-Xylene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Methyl Methacrylate	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly

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VSTDICC001	VL042749.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,4-Dioxane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	2-Hexanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Benzyl Chloride	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042750.D	Bromodichloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Dibromochloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Ethanol	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Heptane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	m/p-Xylene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Methyl Methacrylate	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042750.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Tetrahydrofuran	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Trichloroethene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	1,1,1-Trichloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	Tetrachloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly

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VSTDICC0.03	VL042752.D	Trichloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042753.D	m/p-Xylene	SAM	7/24/2025 9:03:41 AM	MMDadoda	7/24/2025 2:21:10 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Tetrachloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Trichloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly

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VSTDICV010	VL042755.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042755.D	m/p-Xylene	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software incorrectly

Sequence	VL073125	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042788.D	m/p-Xylene	SAM	8/1/2025 10:51:05 AM	MMDadoda	8/1/2025 4:16:30 PM	Peak Integrated by Software incorrectly
VL0731ABS01	VL042790.D	m/p-Xylene	SAM	8/1/2025 10:51:10 AM	MMDadoda	8/1/2025 4:16:31 PM	Peak Integrated by Software incorrectly
VL0731ABSD01	VL042794.D	m/p-Xylene	SAM	8/1/2025 10:51:25 AM	MMDadoda	8/1/2025 4:16:38 PM	Peak Integrated by Software incorrectly

Manual Integration Report			
Sequence	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042842.D	m/p-Xylene	SAM	8/14/2025 7:48:06 AM	MMDadoda	8/18/2025 8:42:07 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042843.	1,1,2-	SAM	8/14/202	MMDadoda	8/18/2025	Peak

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	D	Trichloroethane		5 7:48:12 AM		8:42:11 AM	Integrated by Software incorrectly
VSTDICC002	VL042843.D	1,4-Dioxane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042843.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042843.D	Ethanol	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042843.D	m/p-Xylene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042843.D	Methyl Methacrylate	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	1,2-Dichloropropane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	1,4-Dioxane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	Ethanol	SAM	8/14/2025 7:48:18	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by

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				AM			Software incorrectly
VSTDICC001	VL042844.D	Heptane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	m/p-Xylene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	Methyl Methacrylate	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	trans-1,2-Dichloroethene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	1,4-Dioxane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	4-Methyl-2-Pentanone	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042845.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	m/p-Xylene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	Methyl Methacrylate	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	Toluene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	1,2-Dibromoethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	Naphthalene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	Tetrachloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.	Trichloroethene	SAM	8/14/202	MMDadoda	8/18/2025	Peak

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	D			5 7:48:23 AM		8:42:18 AM	Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	1,1,2,2-Tetrachloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Carbon Tetrachloride	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Tetrachloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Trichloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL042848.D	m/p-Xylene	SAM	8/14/2025 7:49:35 AM	MMDadoda	8/18/2025 8:42:35 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL042849.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL042849.D	m/p-Xylene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software incorrectly
VL0813ABS01	VL042851.D	1,4-Dioxane	SAM	8/14/2025 7:49:08	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by

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				AM			Software incorrectly
VL0813ABS01	VL042851.D	m/p-Xylene	SAM	8/14/2025 7:49:08 AM	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by Software incorrectly

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2727

	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: SHREENA PATEL **Date:** 08/25/2025

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LAB CHRONICLE

OrderID:	Q2727	**OrderDate:**	7/30/2025 11:07:26 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ AIR PT
Contact:	Mohammad Ahmed	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2727-01	**AE073-1100**	**Air**			**07/28/25**			**07/30/25**
			VOCMS Group3	TO-15			07/31/25	
Q2727-01DL	**AE073-1100DL**	**Air**			**07/28/25**			**07/30/25**
			VOCMS Group3	TO-15			07/31/25	
Q2727-01DL2	**AE073-1100DL2**	**Air**			**07/28/25**			**07/30/25**
			VOCMS Group3	TO-15			08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2727

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**AE073-1100**							
Q2727-01	AE073-1100	Air	Chloroethane	78.9	E	0.40	1.32	ug/m3
Q2727-01	AE073-1100	Air	Heptane	97.1	E	0.70	2.05	ug/m3
Q2727-01	AE073-1100	Air	1,1-Dichloroethene	155	E	0.59	1.98	ug/m3
Q2727-01	AE073-1100	Air	Benzene	161	E	0.26	1.60	ug/m3
Q2727-01	AE073-1100	Air	Bromodichloromethane	195	E	0.40	3.35	ug/m3
Q2727-01	AE073-1100	Air	Chlorobenzene	180	E	0.37	2.30	ug/m3
Q2727-01	AE073-1100	Air	Total Xylenes	373		2.69	6.52	ug/m3
Q2727-01	AE073-1100	Air	m/p-Xylene	157	E	1.78	4.34	ug/m3
Q2727-01	AE073-1100	Air	o-Xylene	216	E	0.91	2.17	ug/m3
Q2727-01	AE073-1100	Air	1,3,5-Trimethylbenzene	180	E	0.88	2.46	ug/m3
Q2727-01	AE073-1100	Air	1,2-Dichlorobenzene	180	E	0.78	3.01	ug/m3
			Total Voc :	1970				
			Total Concentration:	1970				
Client ID:	**AE073-1100DL**							
Q2727-01DL	AE073-1100DL	Air	Chloroethane	76.8	D	0.79	2.64	ug/m3
Q2727-01DL	AE073-1100DL	Air	Heptane	95.5	D	1.39	4.10	ug/m3
Q2727-01DL	AE073-1100DL	Air	1,1-Dichloroethene	155	ED	1.19	3.96	ug/m3
Q2727-01DL	AE073-1100DL	Air	Benzene	175	ED	0.51	3.19	ug/m3
Q2727-01DL	AE073-1100DL	Air	Bromodichloromethane	200	D	0.87	6.70	ug/m3
Q2727-01DL	AE073-1100DL	Air	Chlorobenzene	193	ED	0.69	4.61	ug/m3
Q2727-01DL	AE073-1100DL	Air	Total Xylenes	410	D	5.39	13.0	ug/m3
Q2727-01DL	AE073-1100DL	Air	m/p-Xylene	166	D	3.56	8.69	ug/m3
Q2727-01DL	AE073-1100DL	Air	o-Xylene	244	ED	1.82	4.34	ug/m3
Q2727-01DL	AE073-1100DL	Air	1,3,5-Trimethylbenzene	193	ED	1.77	4.92	ug/m3
Q2727-01DL	AE073-1100DL	Air	1,2-Dichlorobenzene	187	ED	1.56	6.01	ug/m3
			Total Voc :	2100				
			Total Concentration:	2100				
Client ID:	**AE073-1100DL2**							
Q2727-01DL2	AE073-1100DL2	Air	Chloroethane	74.2	D	1.58	5.28	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	Heptane	78.7	D	2.79	8.20	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	1,1-Dichloroethene	155	D	2.38	7.93	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	Benzene	149	D	1.02	6.39	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	Bromodichloromethane	163	D	1.67	13.4	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	Chlorobenzene	165	D	1.43	9.21	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	Total Xylenes	327	D	10.6	26.1	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	m/p-Xylene	133	D	6.95	17.4	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q2727

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2727-01DL2	AE073-1100DL2	Air	o-Xylene	194	D	3.65	8.69	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	1,3,5-Trimethylbenzene	143	D	3.54	9.83	ug/m3
Q2727-01DL2	AE073-1100DL2	Air	1,2-Dichlorobenzene	144	D	3.13	12.0	ug/m3
			Total Voc :	1730				
			Total Concentration:	1730				

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Project : NJ AIR PT

Field Id Number : AE073-1100

Laboratory Id Number : Q2727-01

Sampling Date : 07/28/25

Analysis Date : 07/31/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.12	U	0.42		
Dichlorodifluoromethane	75-71-8	120.9	0.11	U	0.54		
Ethanol	64-17-5	46.07	0.32	U	0.6		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Ethyl Acetate	141-78-6	97	0.12	U	0.48		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	29.9	E	78.9		
Tetrahydrofuran	109-99-9	72.11	0.08	U	0.24		
Trichlorofluoromethane	75-69-4	137.4	0.17	U	0.96		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
Bromoethene	593-60-2	106.9	0.2	U	0.87		
Propene	115-07-1	42	0.08	U	0.14		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	23.7	E	97.1		
Isopropyl Alcohol	67-63-0	60.1	0.23	U	0.57		
1,1-Dichloroethene	75-35-4	96.94	39	E	154		
Acetone	67-64-1	58.08	0.18	U	0.43		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	0.23	U	0.8		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
Vinyl Acetate	108-05-4	88	0.26	U	0.94		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.06	U	0.18		
Carbon Tetrachloride	56-23-5	153.8	0.03	U	0.19		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	50.3	E	160		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		

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Project : NJ AIR PT **Sampling Date :** 07/28/25

Field Id Number : AE073-1100 **Analysis Date :** 07/31/25

Laboratory Id Number : Q2727-01 **Target Analyts :** Air Results

1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	29.1	E	194		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	0.16	U	0.6		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		
2-Hexanone	591-78-6	100	0.11	U	0.45		
Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	39	E	179		
Ethyl Benzene	100-41-4	106.2	0.19	U	0.83		
m/p-Xylene	179601-23-1	106.2	36.1	E	156		
Total Xylenes	1330-20-7	106.2	85.8		372		
o-Xylene	95-47-6	106.2	49.7	E	215		
Styrene	100-42-5	104.1	0.16	U	0.68		
Bromoform	75-25-2	252.8	0.05	U	0.52		
Isopropylbenzene	98-82-8	120.19	0.16	U	0.79		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	36.7	E	180		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.18	U	0.88		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	29.9	E	179		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.01	U	0.05		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	0.16	U	0.56		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
Benzyl Chloride	100-44-7	126.59	0.09	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

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Project : NJ AIR PT

Field Id Number : AE073-1100DL

Laboratory Id Number : Q2727-01DL

Sampling Date : 07/28/25

Analysis Date : 07/31/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.24	UD	0.85		
Dichlorodifluoromethane	75-71-8	120.9	0.22	UD	1.09		
Ethanol	64-17-5	46.07	0.64	UD	1.21		
Chloromethane	74-87-3	50.49	0.2	UD	0.41		
Vinyl Chloride	75-01-4	62.5	0.05	UD	0.13		
Ethyl Acetate	141-78-6	97	0.24	UD	0.95		
Bromomethane	74-83-9	94.94	0.15	UD	0.58		
Chloroethane	75-00-3	64.52	29.1	D	76.8		
Tetrahydrofuran	109-99-9	72.11	0.16	UD	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	UD	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	UD	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	UD	2.15		
Bromoethene	593-60-2	106.9	0.4	UD	1.75		
Propene	115-07-1	42	0.15	UD	0.26		
tert-Butyl alcohol	75-65-0	74.12	0.32	UD	0.97		
Heptane	142-82-5	100.2	23.3	D	95.5		
Isopropyl Alcohol	67-63-0	60.1	0.46	UD	1.13		
1,1-Dichloroethene	75-35-4	96.94	39.1	ED	155		
Acetone	67-64-1	58.08	0.36	UD	0.86		
Carbon Disulfide	75-15-0	76.14	0.16	UD	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	UD	1.66		
Methylene Chloride	75-09-2	84.94	0.46	UD	1.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	UD	0.95		
Vinyl Acetate	108-05-4	88	0.52	UD	1.87		
1,1-Dichloroethane	75-34-3	98.96	0.26	UD	1.05		
Cyclohexane	110-82-7	84.16	0.44	UD	1.51		
2-Butanone	78-93-3	72.11	0.11	UD	0.32		
Carbon Tetrachloride	56-23-5	153.8	0.05	UD	0.31		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	UD	0.79		
Chloroform	67-66-3	119.4	0.19	UD	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	UD	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	UD	1.31		
Benzene	71-43-2	78.11	54.7	ED	174		
1,2-Dichloroethane	107-06-2	98.96	0.19	UD	0.77		
Trichloroethene	79-01-6	131.4	0.05	UD	0.27		

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Project : NJ AIR PT **Sampling Date :** 07/28/25

Field Id Number : AE073-1100DL **Analysis Date :** 07/31/25

Laboratory Id Number : Q2727-01DL **Target Analyts :** Air Results

1,2-Dichloropropane	78-87-5	113	0.26	UD	1.2		
Bromodichloromethane	75-27-4	163.8	29.8	D	199		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	UD	0.78		
Toluene	108-88-3	92.14	0.32	UD	1.21		
t-1,3-Dichloropropene	10061-02-6	111	0.3	UD	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	UD	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	UD	0.87		
2-Hexanone	591-78-6	100	0.22	UD	0.9		
Dibromochloromethane	124-48-1	208.3	0.17	UD	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	UD	1.31		
Tetrachloroethene	127-18-4	165.8	0.03	UD	0.2		
Chlorobenzene	108-90-7	112.6	42	ED	193		
Ethyl Benzene	100-41-4	106.2	0.38	UD	1.65		
m/p-Xylene	179601-23-1	106.2	38.3	D	166		
Total Xylenes	1330-20-7	106.2	94.5	D	410		
o-Xylene	95-47-6	106.2	56.2	ED	244		
Styrene	100-42-5	104.1	0.32	UD	1.36		
Bromoform	75-25-2	252.8	0.1	UD	1.03		
Isopropylbenzene	98-82-8	120.19	0.32	UD	1.57		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	UD	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	UD	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	39.2	ED	192		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	UD	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	UD	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	UD	1.56		
1,2-Dichlorobenzene	95-50-1	147	31.1	ED	186		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	UD	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	UD	2.77		
Naphthalene	91-20-3	128.17	0.03	UD	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	UD	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	UD	2.06		
Hexane	110-54-3	86.17	0.32	UD	1.13		
Allyl Chloride	107-05-1	76.53	0.22	UD	0.69		
Benzyl Chloride	100-44-7	126.59	0.18	UD	0.93		
1,4-Dioxane	123-91-1	88.12	0.44	UD	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	UD	1.15		

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Project : NJ AIR PT

Field Id Number : AE073-1100DL2

Laboratory Id Number : Q2727-01DL2

Sampling Date : 07/28/25

Analysis Date : 08/13/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.48	UD	1.7		
Dichlorodifluoromethane	75-71-8	120.9	0.44	UD	2.18		
Ethanol	64-17-5	46.07	1.3	UD	2.45		
Chloromethane	74-87-3	50.49	0.39	UD	0.81		
Vinyl Chloride	75-01-4	62.5	0.1	UD	0.26		
Ethyl Acetate	141-78-6	97	0.48	UD	1.9		
Bromomethane	74-83-9	94.94	0.31	UD	1.2		
Chloroethane	75-00-3	64.52	28.1	D	74.2		
Tetrahydrofuran	109-99-9	72.11	0.32	UD	0.94		
Trichlorofluoromethane	75-69-4	137.4	0.68	UD	3.82		
Dichlorotetrafluoroethane	76-14-2	170.9	0.6	UD	4.19		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.56	UD	4.29		
Bromoethene	593-60-2	106.9	0.8	UD	3.5		
tert-Butyl alcohol	75-65-0	74.12	0.64	UD	1.94		
Propene	115-07-1	42	0.31	UD	0.53		
Heptane	142-82-5	100.2	19.2	D	78.7		
Isopropyl Alcohol	67-63-0	60.1	0.92	UD	2.26		
1,1-Dichloroethene	75-35-4	96.94	39	D	154		
Acetone	67-64-1	58.08	0.72	UD	1.71		
Carbon Disulfide	75-15-0	76.14	0.32	UD	1		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.92	UD	3.32		
Methylene Chloride	75-09-2	84.94	0.92	UD	3.2		
trans-1,2-Dichloroethene	156-60-5	96.94	0.48	UD	1.9		
Vinyl Acetate	108-05-4	88	1	UD	3.6		
1,1-Dichloroethane	75-34-3	98.96	0.52	UD	2.1		
Cyclohexane	110-82-7	84.16	0.88	UD	3.03		
2-Butanone	78-93-3	72.11	0.22	UD	0.65		
Carbon Tetrachloride	56-23-5	153.8	0.1	UD	0.63		
cis-1,2-Dichloroethene	156-59-2	96.94	0.4	UD	1.59		
Chloroform	67-66-3	119.4	0.38	UD	1.86		
1,1,1-Trichloroethane	71-55-6	133.4	0.06	UD	0.33		
2,2,4-Trimethylpentane	540-84-1	114.2	0.56	UD	2.62		
Benzene	71-43-2	78.11	46.7	D	149		
1,2-Dichloroethane	107-06-2	98.96	0.37	UD	1.5		
Trichloroethene	79-01-6	131.4	0.1	UD	0.54		

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

Project : NJ AIR PT **Sampling Date :** 07/28/25

Field Id Number : AE073-1100DL2 **Analysis Date :** 08/13/25

Laboratory Id Number : Q2727-01DL2 **Target Analyts :** Air Results

1,2-Dichloropropane	78-87-5	113	0.52	UD	2.4		
Bromodichloromethane	75-27-4	163.8	24.4	D	163		
4-Methyl-2-Pentanone	108-10-1	100.2	0.39	UD	1.6		
Toluene	108-88-3	92.14	0.64	UD	2.41		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.44	UD	2		
1,1,2-Trichloroethane	79-00-5	133.4	0.32	UD	1.75		
2-Hexanone	591-78-6	100	0.44	UD	1.8		
Dibromochloromethane	124-48-1	208.3	0.34	UD	2.9		
1,2-Dibromoethane	106-93-4	187.9	0.34	UD	2.61		
Tetrachloroethene	127-18-4	165.8	0.06	UD	0.41		
Chlorobenzene	108-90-7	112.6	35.9	D	165		
Ethyl Benzene	100-41-4	106.2	0.76	UD	3.3		
m/p-Xylene	179601-23-1	106.2	30.7	D	133		
Total Xylenes	1330-20-7	106.2	75.3	D	327		
o-Xylene	95-47-6	106.2	44.6	D	193		
Styrene	100-42-5	104.1	0.64	UD	2.72		
Bromoform	75-25-2	252.8	0.19	UD	1.96		
Isopropylbenzene	98-82-8	120.19	0.64	UD	3.15		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.07	UD	0.48		
2-Chlorotoluene	95-49-8	126.6	0.68	UD	3.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	29.1	D	143		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.72	UD	3.54		
1,3-Dichlorobenzene	541-73-1	147	0.22	UD	1.32		
1,4-Dichlorobenzene	106-46-7	147	0.52	UD	3.13		
1,2-Dichlorobenzene	95-50-1	147	24	D	144		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.84	UD	6.24		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.52	UD	5.55		
Naphthalene	91-20-3	128.17	0.05	UD	0.26		
1,3-Butadiene	106-99-0	54.09	0.2	UD	0.44		
4-Ethyltoluene	622-96-8	120.2	0.84	UD	4.13		
Hexane	110-54-3	86.17	0.64	UD	2.26		
Allyl Chloride	107-05-1	76.53	0.44	UD	1.38		
Benzyl Chloride	100-44-7	126.59	0.36	UD	1.86		
1,4-Dioxane	123-91-1	88.12	0.88	UD	3.17		
Methyl Methacrylate	80-62-6	100.117	0.56	UD	2.29		

Method	Matrix	Parameter	Instrument ID	Column ID	MDL (ppbv)	RL (ppbv)	MB Data	MB Datafile	StdevVal
TO-15	Air	1,1,1,2-Tetrachloroethane	MSVOA_L	RTX-1	0.089	0.50	0		0.028115408
TO-15	Air	1,1,1-Trichloroethane	MSVOA_L	RTX-1	0.016	0.030	0		0.005089672
TO-15	Air	1,1,2,2-Tetrachloroethane	MSVOA_L	RTX-1	0.018	0.030	0		0.005472877
TO-15	Air	1,1,2-Trichloroethane	MSVOA_L	RTX-1	0.081	0.50	0		0.02572751
TO-15	Air	1,1,2-Trichlorotrifluoroethane	MSVOA_L	RTX-1	0.14	0.50	0		0.042983939
TO-15	Air	1,1-Dichloroethane	MSVOA_L	RTX-1	0.13	0.50	0		0.040178175
TO-15	Air	1,1-Dichloroethene	MSVOA_L	RTX-1	0.15	0.50	0		0.047056197
TO-15	Air	1,2,4-Trichlorobenzene	MSVOA_L	RTX-1	0.21	0.50	0		0.064291005
TO-15	Air	1,2,4-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054467115
TO-15	Air	1,2-Dibromoethane	MSVOA_L	RTX-1	0.085	0.10	0		0.026726124
TO-15	Air	1,2-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.040999419
TO-15	Air	1,2-Dichloroethane	MSVOA_L	RTX-1	0.093	0.50	0		0.029277002
TO-15	Air	1,2-Dichloropropane	MSVOA_L	RTX-1	0.13	0.50	0		0.039880775
TO-15	Air	1,3,5-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054598099
TO-15	Air	1,3-Butadiene	MSVOA_L	RTX-1	0.051	0.50	0		0.016035675
TO-15	Air	1,3-Dichlorobenzene	MSVOA_L	RTX-1	0.054	0.50	0		0.017043362
TO-15	Air	1,4-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.039460649
TO-15	Air	1,4-Dioxane	MSVOA_L	RTX-1	0.22	0.50	0		0.067330033
TO-15	Air	2,2,4-Trimethylpentane	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	2-Butanone	MSVOA_L	RTX-1	0.056	0.50	0		0.017728105
TO-15	Air	2-Chlorotoluene	MSVOA_L	RTX-1	0.17	0.50	0		0.052599113
TO-15	Air	2-Hexanone	MSVOA_L	RTX-1	0.11	0.50	0		0.033523268
TO-15	Air	4-Ethyltoluene	MSVOA_L	RTX-1	0.21	0.50	0		0.066332496
TO-15	Air	4-Methyl-2-Pentanone	MSVOA_L	RTX-1	0.097	0.50	0		0.030783422
TO-15	Air	Acetone	MSVOA_L	RTX-1	0.18	0.50	0		0.055592052
TO-15	Air	Allyl Chloride	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Benzene	MSVOA_L	RTX-1	0.079	0.50	0		0.025071327
TO-15	Air	Benzyl Chloride	MSVOA_L	RTX-1	0.089	0.50	0		0.028284271
TO-15	Air	Bromodichloromethane	MSVOA_L	RTX-1	0.063	0.50	0		0.019880596
TO-15	Air	Bromoethene	MSVOA_L	RTX-1	0.2	0.50	0		0.062678317
TO-15	Air	Bromoform	MSVOA_L	RTX-1	0.048	0.50	0		0.015118579
TO-15	Air	Bromomethane	MSVOA_L	RTX-1	0.077	0.50	0		0.024494897
TO-15	Air	Carbon Disulfide	MSVOA_L	RTX-1	0.08	0.50	0		0.02544836
TO-15	Air	Carbon Tetrachloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007690439
TO-15	Air	Chlorobenzene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	Chlorodifluoromethane	MSVOA_L	RTX-1	0.12	0.50	0		0.037859389
TO-15	Air	Chloroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045250625
TO-15	Air	Chloroform	MSVOA_L	RTX-1	0.096	0.50	0		0.030394235
TO-15	Air	Chloromethane	MSVOA_L	RTX-1	0.098	0.50	0		0.03101459
TO-15	Air	cis-1,2-Dichloroethene	MSVOA_L	RTX-1	0.099	0.50	0		0.031471832
TO-15	Air	cis-1,3-Dichloropropene	MSVOA_L	RTX-1	0.11	0.50	0		0.032071349
TO-15	Air	Cyclohexane	MSVOA_L	RTX-1	0.22	0.50	0		0.06972736
TO-15	Air	Dibromochloromethane	MSVOA_L	RTX-1	0.085	0.50	0		0.026726124
TO-15	Air	Dichlorodifluoromethane	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Dichlorotetrafluoroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045460606
TO-15	Air	Ethanol	MSVOA_L	RTX-1	0.32	0.50	0		0.098848128
TO-15	Air	Ethyl Acetate	MSVOA_L	RTX-1	0.12	0.50	0		0.036384193
TO-15	Air	Ethyl Benzene	MSVOA_L	RTX-1	0.19	0.50	0		0.058554004
TO-15	Air	Heptane	MSVOA_L	RTX-1	0.17	0.50	0		0.051130086
TO-15	Air	Hexachloro-1,3-Butadiene	MSVOA_L	RTX-1	0.13	0.50	0		0.038297084
TO-15	Air	Hexane	MSVOA_L	RTX-1	0.16	0.50	0		0.04894117
TO-15	Air	Isopropyl Alcohol	MSVOA_L	RTX-1	0.23	0.50	0		0.070676998
TO-15	Air	Isopropylbenzene	MSVOA_L	RTX-1	0.16	0.50	0		0.048205908
TO-15	Air	m/p-Xylene	MSVOA_L	RTX-1	0.41	1.00	0		0.130091543
TO-15	Air	Methyl Methacrylate	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	Methyl tert-Butyl Ether	MSVOA_L	RTX-1	0.23	0.50	0		0.07296444
TO-15	Air	Methylene Chloride	MSVOA_L	RTX-1	0.23	0.50	0		0.07204496
TO-15	Air	Naphthalene	MSVOA_L	RTX-1	0.013	0.10	0		0.004076647
TO-15	Air	Naphthalene,2-methyl-	MSVOA_L	RTX-1	0.22	0.50	0		0.069213266
TO-15	Air	n-Butylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.055805786
TO-15	Air	n-propylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.06164414
TO-15	Air	o-Xylene	MSVOA_L	RTX-1	0.21	0.50	0		0.06491753
TO-15	Air	p-Isopropyltoluene	MSVOA_L	RTX-1	0.19	0.50	0		0.059561893
TO-15	Air	Propene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	sec-Butylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.061913919
TO-15	Air	Styrene	MSVOA_L	RTX-1	0.16	0.50	0		0.05
TO-15	Air	t-1,3-Dichloropropene	MSVOA_L	RTX-1	0.15	0.50	0		0.046496288
TO-15	Air	tert-Butyl alcohol	MSVOA_L	RTX-1	0.16	0.50	0		0.048892496
TO-15	Air	tert-Butylbenzene	MSVOA_L	RTX-1	0.22	0.50	0		0.067928534
TO-15	Air	Tetrachloroethene	MSVOA_L	RTX-1	0.015	0.030	0		0.004725816
TO-15	Air	Tetrahydrofuran	MSVOA_L	RTX-1	0.08	0.50	0		0.025166115
TO-15	Air	Toluene	MSVOA_L	RTX-1	0.16	0.50	0		0.050142654
TO-15	Air	trans-1,2-Dichloroethene	MSVOA_L	RTX-1	0.12	0.50	0		0.036968455
TO-15	Air	Trichloroethene	MSVOA_L	RTX-1	0.024	0.030	0		0.007587584
TO-15	Air	Trichlorofluoromethane	MSVOA_L	RTX-1	0.17	0.50	0		0.053452248
TO-15	Air	Vinyl Acetate	MSVOA_L	RTX-1	0.26	0.50	0		0.079671946
TO-15	Air	Vinyl Chloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007955232

Students Value	Spike_Amt_Added	Datafile1	Concentration1	Adate1	Datafile2	Concentration2	Adate2
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.03	VL041883.D	0.045	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.49	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.38	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.6	01092025T21:16:00	VL041878.D	0.62	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.31	01092025T21:16:00	VL041878.D	0.29	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.36	01092025T21:16:00	VL041878.D	0.35	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.03	VL041883.D	0.036	01102025T00:17:00	VL041884.D	0.038	01102025T00:47:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.48	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.57	01092025T21:16:00	VL041878.D	0.59	01092025T21:46:00
3.143	0.4	VL041877.D	0.51	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.54	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.39	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL042501.D	0.885	05062025T17:36:00	VL042502.D	0.76	05062025T18:07:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.59	01092025T21:16:00	VL041878.D	0.6	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.91	01092025T21:16:00	VL041878.D	0.91	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.41	01092025T21:46:00
3.143	0.4	VL041877.D	0.4	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.68	01092025T21:16:00	VL041878.D	0.61	01092025T21:46:00
3.143	0.04	VL042504.D	0.035	05062025T19:10:00	VL042505.D	0.04	05062025T19:42:00
3.143	0.4	VL041877.D	0.34	01092025T21:16:00	VL041878.D	0.34	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.42	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.36	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.03	VL041883.D	0.047	01102025T00:17:00	VL041884.D	0.047	01102025T00:47:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.03	VL042498.D	0.018	05062025T16:01:00	VL042500.D	0.032	05062025T17:04:00

Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5	Concentration5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.038	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.037
VL041885.D	0.044	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.032
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.57	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.58	01092025T22:17:00	VL041909.D	0.49	01152025T00:52:00	VL041910.D	0.49
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.51
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.39	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.39	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.68	01092025T22:17:00	VL041909.D	0.53	01152025T00:52:00	VL041910.D	0.53
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.28	01092025T22:17:00	VL041909.D	0.26	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.4	01152025T00:52:00	VL041910.D	0.4
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.37	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.048	01102025T01:18:00	VL041913.D	0.026	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.52	01152025T00:52:00	VL041910.D	0.45
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.46
VL042503.D	0.611	05062025T18:39:00	VL042518.D	0.831	05072025T15:02:00	VL042519.D	0.842
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.92	01092025T22:17:00	VL041909.D	0.72	01152025T00:52:00	VL041910.D	0.69
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.54	01152025T00:52:00	VL041910.D	0.57
VL042506.D	0.04	05062025T20:13:00	VL042521.D	0.031	05072025T16:49:00	VL042522.D	0.032
VL041879.D	0.33	01092025T22:17:00	VL041909.D	0.28	01152025T00:52:00	VL041910.D	0.25
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.45	01092025T22:17:00	VL041909.D	0.38	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.31
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.37
VL041885.D	0.034	01102025T01:18:00	VL041913.D	0.037	01152025T02:53:00	VL041914.D	0.034
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.48
VL041885.D	0.035	01102025T01:18:00	VL041913.D	0.029	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.44
VL042515.D	0.021	05072025T13:17:00	VL042516.D	0.021	05072025T13:50:00	VL042517.D	0.014

Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7	Department
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.028	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T03:23:00	VL041936.D	0.034	01212025T00:31:00	VL041940.D	0.034	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.58	01202025T22:30:00	VL041933.D	0.54	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.43	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.29	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.42	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.029	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.51	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.52	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.48	01202025T22:30:00	VL041933.D	0.51	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
05072025T15:37:00	VL042520.D	0.766	05072025T16:13:00	VL042569.D	0.664	05212025T16:53:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.4	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.64	01202025T22:30:00	VL041933.D	0.65	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
05072025T17:24:00	VL042523.D	0.03	05072025T17:58:00	VL042567.D	0.034	05212025T15:49:00	VOC
01152025T01:23:00	VL041932.D	0.2	01202025T22:30:00	VL041933.D	0.17	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.3	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.27	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.026	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.033	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
05072025T14:29:00	VL042575.D	0.034	05222025T11:27:00	VL042576.D	0.032	05222025T11:59:00	VOC

AVG Concentration	Recovery	Effective Date
0.43	108	5/22/2025
0.03	114	5/22/2025
0.04	125	5/22/2025
0.47	119	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.40	100	5/22/2025
0.40	100	5/22/2025
0.45	112	5/22/2025
0.48	120	5/22/2025
0.49	123	5/22/2025
0.48	119	5/22/2025
0.38	95	5/22/2025
0.51	128	5/22/2025
0.46	116	5/22/2025
0.45	112	5/22/2025
0.44	110	5/22/2025
0.42	105	5/22/2025
0.46	115	5/22/2025
0.40	100	5/22/2025
0.36	91	5/22/2025
0.37	93	5/22/2025
0.40	100	5/22/2025
0.58	146	5/22/2025
0.47	118	5/22/2025
0.45	111	5/22/2025
0.30	75	5/22/2025
0.42	106	5/22/2025
0.48	119	5/22/2025
0.35	86	5/22/2025
0.50	125	5/22/2025
0.41	102	5/22/2025
0.03	113	5/22/2025
0.48	121	5/22/2025
0.47	118	5/22/2025
0.52	130	5/22/2025
0.48	121	5/22/2025
0.50	126	5/22/2025
0.44	111	5/22/2025
0.36	91	5/22/2025
0.40	101	5/22/2025
0.38	95	5/22/2025
0.50	125	5/22/2025
0.49	123	5/22/2025
0.77	191	5/22/2025
0.42	106	5/22/2025
0.38	94	5/22/2025
0.40	100	5/22/2025
0.46	115	5/22/2025
0.43	106	5/22/2025
0.53	134	5/22/2025
0.40	101	5/22/2025
0.78	194	5/22/2025
0.38	95	5/22/2025
0.40	101	5/22/2025
0.57	143	5/22/2025
0.03	86	5/22/2025
0.27	68	5/22/2025
0.37	93	5/22/2025
0.38	95	5/22/2025
0.39	97	5/22/2025
0.38	95	5/22/2025
0.50	124	5/22/2025
0.40	100	5/22/2025
0.35	88	5/22/2025
0.35	86	5/22/2025
0.45	113	5/22/2025
0.39	98	5/22/2025
0.03	113	5/22/2025
0.42	105	5/22/2025
0.39	97	5/22/2025
0.48	120	5/22/2025
0.04	121	5/22/2025
0.48	119	5/22/2025
0.42	105	5/22/2025
0.02	82	5/22/2025

QC SUMMARY

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Surrogate Summary

SDG No.: Q2727

Client: Alliance Technical Group, LLC - Newark

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2727-01	AE073-1100	1-Bromo-4-Fluorobenzene	10	10.7	107		65	135
Q2727-01DL	AE073-1100DL	1-Bromo-4-Fluorobenzene	10	10.6	106		65	135
Q2727-01DL2	AE073-1100DL2	1-Bromo-4-Fluorobenzene	10	9.96	100		65	135
VL0731ABL01	VL0731ABL01	1-Bromo-4-Fluorobenzene	10	9.82	98		65	135
VL0731ABS01	VL0731ABS01	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
VL0731ABSD01	VL0731ABSD01	1-Bromo-4-Fluorobenzene	10	10.4	104		65	135
VL0813ABL01	VL0813ABL01	1-Bromo-4-Fluorobenzene	10	10.0	100		65	135
VL0813ABS01	VL0813ABS01	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2727**	**Analytical Method:**	**SWTO-15**
Client:	**Alliance Technical Group, LLC - Newa**	**Datafile :**	VL042790.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0731ABS01	Chlorodifluoromethane	10	10.0	ppbv	100			70	130	
	Dichlorodifluoromethane	10	9.60	ppbv	96			70	130	
	Ethanol	10	8.70	ppbv	87			70	130	
	Chloromethane	10	9.80	ppbv	98			70	130	
	Vinyl Chloride	10	8.50	ppbv	85			70	130	
	Ethyl Acetate	10	10.5	ppbv	105			70	130	
	Bromomethane	10	9.00	ppbv	90			70	130	
	Chloroethane	10	8.80	ppbv	88			70	130	
	Tetrahydrofuran	10	11.4	ppbv	114			70	130	
	Trichlorofluoromethane	10	9.30	ppbv	93			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.40	ppbv	94			70	130	
	Dichlorotetrafluoethane	10	9.40	ppbv	94			70	130	
	Bromoethene	10	9.50	ppbv	95			70	130	
	tert-Butyl Alcohol	10	9.00	ppbv	90			70	130	
	Propene	10	9.90	ppbv	99			70	130	
	Heptane	10	10.7	ppbv	107			70	130	
	Isopropyl Alcohol	10	8.80	ppbv	88			70	130	
	1,1-Dichloroethene	10	9.00	ppbv	90			70	130	
	Acetone	10	7.60	ppbv	76			70	130	
	Carbon disulfide	10	10.2	ppbv	102			70	130	
	Methyl tert-butyl Ether	10	9.70	ppbv	97			70	130	
	Methylene Chloride	10	8.40	ppbv	84			70	130	
	trans-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	Vinyl Acetate	10	11.5	ppbv	115			70	130	
	1,1-Dichloroethane	10	9.40	ppbv	94			70	130	
	Cyclohexane	10	10.3	ppbv	103			70	130	
	2-Butanone	10	10.8	ppbv	108			70	130	
	Carbon Tetrachloride	10	10.7	ppbv	107			70	130	
	cis-1,2-Dichloroethene	10	10.0	ppbv	100			70	130	
	Chloroform	10	10.3	ppbv	103			70	130	
	1,1,1-Trichloroethane	10	9.60	ppbv	96			70	130	
	2,2,4-Trimethylpentane	10	11.1	ppbv	111			70	130	
	Benzene	10	10.5	ppbv	105			70	130	
	1,2-Dichloroethane	10	10.6	ppbv	106			70	130	
	Trichloroethene	10	9.80	ppbv	98			70	130	
	1,2-Dichloropropane	10	10.5	ppbv	105			70	130	
	Bromodichloromethane	10	11.1	ppbv	111			70	130	
	4-Methyl-2-Pentanone	10	11.3	ppbv	113			70	130	
	Toluene	10	11.0	ppbv	110			70	130	
	t-1,3-Dichloropropene	10	11.2	ppbv	112			70	130	
	cis-1,3-Dichloropropene	10	11.1	ppbv	111			70	130	
	1,1,2-Trichloroethane	10	10.6	ppbv	106			70	130	
	2-Hexanone	10	11.9	ppbv	119			70	130	
	Dibromochloromethane	10	11.3	ppbv	113			70	130	
	1,2-Dibromoethane	10	10.9	ppbv	109			70	130	
	Tetrachloroethene	10	9.50	ppbv	95			70	130	
	Chlorobenzene	10	10.4	ppbv	104			70	130	
	Ethyl Benzene	10	11.1	ppbv	111			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2727**	**Analytical Method:**	**SWTO-15**
Client:	**Alliance Technical Group, LLC - Newa**	**Datafile :**	VL042790.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0731ABS01	m/p-Xylene	20	22.8	ppbv	114			70	130	
	o-Xylene	10	11.2	ppbv	112			70	130	
	Styrene	10	11.4	ppbv	114			70	130	
	Bromoform	10	11.4	ppbv	114			70	130	
	Isopropylbenzene	10	11.0	ppbv	110			70	130	
	1,1,2,2-Tetrachloroethane	10	10.2	ppbv	102			70	130	
	2-Chlorotoluene	10	11.2	ppbv	112			70	130	
	1,3,5-Trimethylbenzene	10	11.9	ppbv	119			70	130	
	1,2,4-Trimethylbenzene	10	12.1	ppbv	121			70	130	
	1,3-Dichlorobenzene	10	10.9	ppbv	109			70	130	
	1,4-Dichlorobenzene	10	11.3	ppbv	113			70	130	
	1,2-Dichlorobenzene	10	10.8	ppbv	108			70	130	
	1,2,4-Trichlorobenzene	10	10.6	ppbv	106			70	130	
	Hexachloro-1,3-butadiene	10	9.50	ppbv	95			70	130	
	Naphthalene	10	10.5	ppbv	105			70	130	
	1,3-Butadiene	10	9.00	ppbv	90			70	130	
	4-Ethyltoluene	10	11.7	ppbv	117			70	130	
	Hexane	10	10.3	ppbv	103			70	130	
	Allyl Chloride	10	9.80	ppbv	98			70	130	
	1,4-Dioxane	10	8.60	ppbv	86			70	130	
	Benzyl Chloride	10	13.4	ppbv	134		*	70	130	
	Methyl methacrylate	10	11.5	ppbv	115			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2727 **Analytical Method:** SWTO-15

Client: Alliance Technical Group, LLC - Newa **Datafile :** VL042794.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0731ABSD01	Chlorodifluoromethane	10	10.1	ppbv	101	1		70	130	25
	Dichlorodifluoromethane	10	9.70	ppbv	97	1		70	130	25
	Ethanol	10	8.30	ppbv	83	5		70	130	25
	Chloromethane	10	9.20	ppbv	92	6		70	130	25
	Vinyl Chloride	10	8.40	ppbv	84	1		70	130	25
	Ethyl Acetate	10	10.3	ppbv	103	2		70	130	25
	Bromomethane	10	9.10	ppbv	91	1		70	130	25
	Chloroethane	10	8.80	ppbv	88	0		70	130	25
	Tetrahydrofuran	10	11.4	ppbv	114	0		70	130	25
	Trichlorofluoromethane	10	9.00	ppbv	90	3		70	130	25
	1,1,2-Trichlorotrifluoroethane	10	9.40	ppbv	94	0		70	130	25
	Dichlorotetrafluoethane	10	9.30	ppbv	93	1		70	130	25
	Bromoethene	10	9.00	ppbv	90	5		70	130	25
	tert-Butyl Alcohol	10	8.80	ppbv	88	2		70	130	25
	Propene	10	7.50	ppbv	75	28	*	70	130	25
	Heptane	10	10.6	ppbv	106	1		70	130	25
	Isopropyl Alcohol	10	8.50	ppbv	85	3		70	130	25
	1,1-Dichloroethene	10	8.90	ppbv	89	1		70	130	25
	Acetone	10	7.40	ppbv	74	3		70	130	25
	Carbon disulfide	10	10.0	ppbv	100	2		70	130	25
	Methyl tert-butyl Ether	10	9.00	ppbv	90	7		70	130	25
	Methylene Chloride	10	8.50	ppbv	85	1		70	130	25
	trans-1,2-Dichloroethene	10	9.20	ppbv	92	3		70	130	25
	Vinyl Acetate	10	11.1	ppbv	111	4		70	130	25
	1,1-Dichloroethane	10	9.20	ppbv	92	2		70	130	25
	Cyclohexane	10	9.70	ppbv	97	6		70	130	25
	2-Butanone	10	10.7	ppbv	107	1		70	130	25
	Carbon Tetrachloride	10	11.0	ppbv	110	3		70	130	25
	cis-1,2-Dichloroethene	10	9.60	ppbv	96	4		70	130	25
	Chloroform	10	10.2	ppbv	102	1		70	130	25
	1,1,1-Trichloroethane	10	9.60	ppbv	96	0		70	130	25
	2,2,4-Trimethylpentane	10	11.3	ppbv	113	2		70	130	25
	Benzene	10	10.7	ppbv	107	2		70	130	25
	1,2-Dichloroethane	10	10.8	ppbv	108	2		70	130	25
	Trichloroethene	10	10.0	ppbv	100	2		70	130	25
	1,2-Dichloropropane	10	10.7	ppbv	107	2		70	130	25
	Bromodichloromethane	10	11.3	ppbv	113	2		70	130	25
	4-Methyl-2-Pentanone	10	11.5	ppbv	115	2		70	130	25
	Toluene	10	11.1	ppbv	111	1		70	130	25
	t-1,3-Dichloropropene	10	11.0	ppbv	110	2		70	130	25
	cis-1,3-Dichloropropene	10	11.2	ppbv	112	1		70	130	25
	1,1,2-Trichloroethane	10	10.9	ppbv	109	3		70	130	25
	2-Hexanone	10	12.2	ppbv	122	2		70	130	25
	Dibromochloromethane	10	11.5	ppbv	115	2		70	130	25
	1,2-Dibromoethane	10	11.2	ppbv	112	3		70	130	25
	Tetrachloroethene	10	9.50	ppbv	95	0		70	130	25
	Chlorobenzene	10	10.5	ppbv	105	1		70	130	25
	Ethyl Benzene	10	11.2	ppbv	112	1		70	130	25

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2727 **Analytical Method:** SWTO-15

Client: Alliance Technical Group, LLC - Newa **Datafile :** VL042794.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0731ABSD01	m/p-Xylene	20	23.3	ppbv	117	3		70	130	25
	o-Xylene	10	11.6	ppbv	116	4		70	130	25
	Styrene	10	11.8	ppbv	118	3		70	130	25
	Bromoform	10	11.8	ppbv	118	3		70	130	25
	Isopropylbenzene	10	11.3	ppbv	113	3		70	130	25
	1,1,2,2-Tetrachloroethane	10	10.3	ppbv	103	1		70	130	25
	2-Chlorotoluene	10	11.3	ppbv	113	1		70	130	25
	1,3,5-Trimethylbenzene	10	12.1	ppbv	121	2		70	130	25
	1,2,4-Trimethylbenzene	10	12.2	ppbv	122	1		70	130	25
	1,3-Dichlorobenzene	10	11.2	ppbv	112	3		70	130	25
	1,4-Dichlorobenzene	10	11.3	ppbv	113	0		70	130	25
	1,2-Dichlorobenzene	10	11.0	ppbv	110	2		70	130	25
	1,2,4-Trichlorobenzene	10	10.8	ppbv	108	2		70	130	25
	Hexachloro-1,3-butadiene	10	9.90	ppbv	99	4		70	130	25
	Naphthalene	10	10.8	ppbv	108	3		70	130	25
	1,3-Butadiene	10	8.90	ppbv	89	1		70	130	25
	4-Ethyltoluene	10	11.9	ppbv	119	2		70	130	25
	Hexane	10	10.1	ppbv	101	2		70	130	25
	Allyl Chloride	10	9.30	ppbv	93	5		70	130	25
	1,4-Dioxane	10	9.90	ppbv	99	14		70	130	25
	Benzyl Chloride	10	13.6	ppbv	136	1	*	70	130	25
	Methyl methacrylate	10	11.3	ppbv	113	2		70	130	25

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2727 **Analytical Method:** SWTO-15

Client: Alliance Technical Group, LLC - Newa **Datafile :** VL042851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0813ABS01	Chlorodifluoromethane	10	9.40	ppbv	94			70	130	
	Dichlorodifluoromethane	10	9.30	ppbv	93			70	130	
	Ethanol	10	7.50	ppbv	75			70	130	
	Chloromethane	10	9.00	ppbv	90			70	130	
	Vinyl Chloride	10	8.70	ppbv	87			70	130	
	Ethyl Acetate	10	9.20	ppbv	92			70	130	
	Bromomethane	10	8.50	ppbv	85			70	130	
	Chloroethane	10	8.90	ppbv	89			70	130	
	Tetrahydrofuran	10	9.20	ppbv	92			70	130	
	Trichlorofluoromethane	10	9.10	ppbv	91			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.20	ppbv	92			70	130	
	Dichlorotetrafluoethane	10	9.50	ppbv	95			70	130	
	Bromoethene	10	9.20	ppbv	92			70	130	
	tert-Butyl Alcohol	10	8.70	ppbv	87			70	130	
	Propene	10	8.70	ppbv	87			70	130	
	Heptane	10	9.10	ppbv	91			70	130	
	Isopropyl Alcohol	10	8.50	ppbv	85			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Acetone	10	7.40	ppbv	74			70	130	
	Carbon disulfide	10	9.10	ppbv	91			70	130	
	Methyl tert-butyl Ether	10	9.60	ppbv	96			70	130	
	Methylene Chloride	10	7.40	ppbv	74			70	130	
	trans-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	Vinyl Acetate	10	9.70	ppbv	97			70	130	
	1,1-Dichloroethane	10	9.00	ppbv	90			70	130	
	Cyclohexane	10	9.30	ppbv	93			70	130	
	2-Butanone	10	9.00	ppbv	90			70	130	
	Carbon Tetrachloride	10	9.30	ppbv	93			70	130	
	cis-1,2-Dichloroethene	10	9.20	ppbv	92			70	130	
	Chloroform	10	9.50	ppbv	95			70	130	
	1,1,1-Trichloroethane	10	9.40	ppbv	94			70	130	
	2,2,4-Trimethylpentane	10	9.00	ppbv	90			70	130	
	Benzene	10	9.40	ppbv	94			70	130	
	1,2-Dichloroethane	10	9.90	ppbv	99			70	130	
	Trichloroethene	10	8.90	ppbv	89			70	130	
	1,2-Dichloropropane	10	9.30	ppbv	93			70	130	
	Bromodichloromethane	10	9.50	ppbv	95			70	130	
	4-Methyl-2-Pentanone	10	9.30	ppbv	93			70	130	
	Toluene	10	9.20	ppbv	92			70	130	
	t-1,3-Dichloropropene	10	9.30	ppbv	93			70	130	
	cis-1,3-Dichloropropene	10	9.30	ppbv	93			70	130	
	1,1,2-Trichloroethane	10	9.40	ppbv	94			70	130	
	2-Hexanone	10	9.40	ppbv	94			70	130	
	Dibromochloromethane	10	9.40	ppbv	94			70	130	
	1,2-Dibromoethane	10	9.30	ppbv	93			70	130	
	Tetrachloroethene	10	8.40	ppbv	84			70	130	
	Chlorobenzene	10	9.30	ppbv	93			70	130	
	Ethyl Benzene	10	9.40	ppbv	94			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2727 **Analytical Method:** SWTO-15

Client: Alliance Technical Group, LLC - Newa **Datafile :** VL042851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0813ABS01	m/p-Xylene	20	18.8	ppbv	94			70	130	
	o-Xylene	10	9.30	ppbv	93			70	130	
	Styrene	10	9.40	ppbv	94			70	130	
	Bromoform	10	9.20	ppbv	92			70	130	
	Isopropylbenzene	10	9.30	ppbv	93			70	130	
	1,1,2,2-Tetrachloroethane	10	9.00	ppbv	90			70	130	
	2-Chlorotoluene	10	9.20	ppbv	92			70	130	
	1,3,5-Trimethylbenzene	10	9.20	ppbv	92			70	130	
	1,2,4-Trimethylbenzene	10	9.00	ppbv	90			70	130	
	1,3-Dichlorobenzene	10	9.00	ppbv	90			70	130	
	1,4-Dichlorobenzene	10	9.00	ppbv	90			70	130	
	1,2-Dichlorobenzene	10	8.90	ppbv	89			70	130	
	1,2,4-Trichlorobenzene	10	8.80	ppbv	88			70	130	
	Hexachloro-1,3-butadiene	10	7.50	ppbv	75			70	130	
	Naphthalene	10	8.90	ppbv	89			70	130	
	1,3-Butadiene	10	8.40	ppbv	84			70	130	
	4-Ethyltoluene	10	9.30	ppbv	93			70	130	
	Hexane	10	9.20	ppbv	92			70	130	
	Allyl Chloride	10	8.90	ppbv	89			70	130	
	1,4-Dioxane	10	8.80	ppbv	88			70	130	
	Benzyl Chloride	10	8.50	ppbv	85			70	130	
	Methyl methacrylate	10	9.00	ppbv	90			70	130	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL0731ABL01

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q2727

Lab File ID: VL042789.D | Lab Sample ID: VL0731ABL01

Date Analyzed: 07/31/2025 | Time Analyzed: 09:29

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0731ABS01	VL0731ABS01	VL042790.D	07/31/2025
AE073-1100	Q2727-01	VL042791.D	07/31/2025
AE073-1100DL	Q2727-01DL	VL042792.D	07/31/2025
VL0731ABSD01	VL0731ABSD01	VL042794.D	07/31/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL0813ABL01

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q2727

Lab File ID: VL042850.D | Lab Sample ID: VL0813ABL01

Date Analyzed: 08/13/2025 | Time Analyzed: 13:46

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0813ABS01	VL0813ABS01	VL042851.D	08/13/2025
AE073-1100DL2	Q2727-01DL2	VL042852.D	08/13/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q2727

Lab File ID: VL042746.D | BFB Injection Date: 07/23/2025

Instrument ID: MSVOA_L | BFB Injection Time: 08:00

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.9
75	30.0 - 66.0% of mass 95	59.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 120.0% of mass 95	65.3
175	4.0 - 9.0% of mass 174	5.2 (8) 1
176	93.0 - 101.0% of mass 174	64.6 (99) 1
177	5.0 - 9.0% of mass 176	4.4 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042747.D	07/23/2025	08:58
VSTDICC002	VSTDICC002	VL042748.D	07/23/2025	09:34
VSTDICC001	VSTDICC001	VL042749.D	07/23/2025	10:08
VSTDICC0.5	VSTDICC0.5	VL042750.D	07/23/2025	10:42
VSTDICC0.03	VSTDICC0.03	VL042752.D	07/23/2025	11:50
VSTDICC015	VSTDICC015	VL042753.D	07/23/2025	12:26
VSTDICC0.1	VSTDICC0.1	VL042754.D	07/23/2025	13:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q2727

Lab File ID: VL042787.D | BFB Injection Date: 07/31/2025

Instrument ID: MSVOA_L | BFB Injection Time: 07:46

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.3
75	30.0 - 66.0% of mass 95	57.3
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	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	62
175	4.0 - 9.0% of mass 174	4.7 (7.5) 1
176	93.0 - 101.0% of mass 174	62.4 (100.7) 1
177	5.0 - 9.0% of mass 176	3.9 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042788.D	07/31/2025	08:37
VL0731ABL01	VL0731ABL01	VL042789.D	07/31/2025	09:29
VL0731ABS01	VL0731ABS01	VL042790.D	07/31/2025	10:15
AE073-1100	Q2727-01	VL042791.D	07/31/2025	12:03
AE073-1100DL	Q2727-01DL	VL042792.D	07/31/2025	12:39
VL0731ABSD01	VL0731ABSD01	VL042794.D	07/31/2025	13:55

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG NO.: Q2727

Lab File ID: VL042841.D | BFB Injection Date: 08/13/2025

Instrument ID: MSVOA_L | BFB Injection Time: 07:45

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	53.1
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	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	62
175	4.0 - 9.0% of mass 174	4.5 (7.3) 1
176	93.0 - 101.0% of mass 174	60 (96.7) 1
177	5.0 - 9.0% of mass 176	3.7 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042842.D	08/13/2025	08:30
VSTDICC002	VSTDICC002	VL042843.D	08/13/2025	09:06
VSTDICC001	VSTDICC001	VL042844.D	08/13/2025	09:41
VSTDICC0.5	VSTDICC0.5	VL042845.D	08/13/2025	10:17
VSTDICC0.1	VSTDICC0.1	VL042846.D	08/13/2025	10:53
VSTDICC0.03	VSTDICC0.03	VL042847.D	08/13/2025	11:30
VSTDICC015	VSTDICC015	VL042848.D	08/13/2025	12:06
VL0813ABL01	VL0813ABL01	VL042850.D	08/13/2025	13:46
VL0813ABS01	VL0813ABS01	VL042851.D	08/13/2025	14:32
AE073-1100DL2	Q2727-01DL2	VL042852.D	08/13/2025	15:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ALLI03

Lab Code: ACE SDG NO.: Q2727

Lab File ID: VL042788.D Date Analyzed: 07/31/2025

Instrument ID: MSVOA_L Time Analyzed: 08:37

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	139439	2.79	391811	3.97	345903	8.89
UPPER LIMIT	195215	3.12	548535	4.30	484264	9.22
LOWER LIMIT	83663.4	2.46	235087	3.64	207542	8.56
EPA SAMPLE NO.						
AE073-1100	141472	2.79	391365	3.97	346534	8.89
AE073-1100DL	136777	2.80	371224	3.97	324625	8.90
VL0731ABL01	139538	2.79	390208	3.97	340795	8.89
VL0731ABS01	140975	2.79	391458	3.97	349880	8.89
VL0731ABSD01	143361	2.79	385270	3.97	347681	8.89

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

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 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: Alliance Contract: ALLI03

Lab Code: ACE SDG NO.: Q2727

Lab File ID: VL042842.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_L Time Analyzed: 08:30

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	133104	2.79	413632	3.97	370372	8.89
UPPER LIMIT	186346	3.12	579085	4.30	518521	9.22
LOWER LIMIT	79862.4	2.46	248179	3.64	222223	8.56
EPA SAMPLE NO.						
AE073-1100DL2	118347	2.79	364683	3.97	318426	8.89
VL0813ABL01	119946	2.79	373094	3.97	324853	8.89
VL0813ABS01	116881	2.79	368200	3.97	322291	8.90

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

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100	SDG No.:	Q2727
Lab Sample ID:	Q2727-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042791.D	1		07/31/25 12:03	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.12	0.42	U	0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	0.12	0.48	U	0.48	1.98	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	29.9	78.9	E	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
593-60-2	Bromoethene	0.20	0.87	U	0.87	2.19	ug/m3
115-07-1	Propene	0.080	0.14	U	0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	23.7	97.1	E	0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.23	0.57	U	0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	39.0	155	E	0.59	1.98	ug/m3
67-64-1	Acetone	0.18	0.43	U	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	0.26	0.94	U	0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	50.3	161	E	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100	SDG No.:	Q2727
Lab Sample ID:	Q2727-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042791.D	1		07/31/25 12:03	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	29.1	195	E	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3
591-78-6	2-Hexanone	0.11	0.45	U	0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	39.0	180	E	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	36.1	157	E	1.78	4.34	ug/m3
1330-20-7	Total Xylenes	85.8	373		2.69	6.52	ug/m3
95-47-6	o-Xylene	49.7	216	E	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	0.16	0.79	U	0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	36.7	180	E	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	29.9	180	E	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	0.090	0.47	UQ	0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100	SDG No.:	Q2727
Lab Sample ID:	Q2727-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042791.D	1		07/31/25 12:03	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135	107%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	141000			2.794		
540-36-3	1,4-Difluorobenzene	391000			3.968		
3114-55-4	Chlorobenzene-d5	347000			8.891		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042791.D
Acq On : 31 Jul 2025 12:03
Operator : SY/MD
Sample : Q2727-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Quant Time: Aug 01 01:14:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

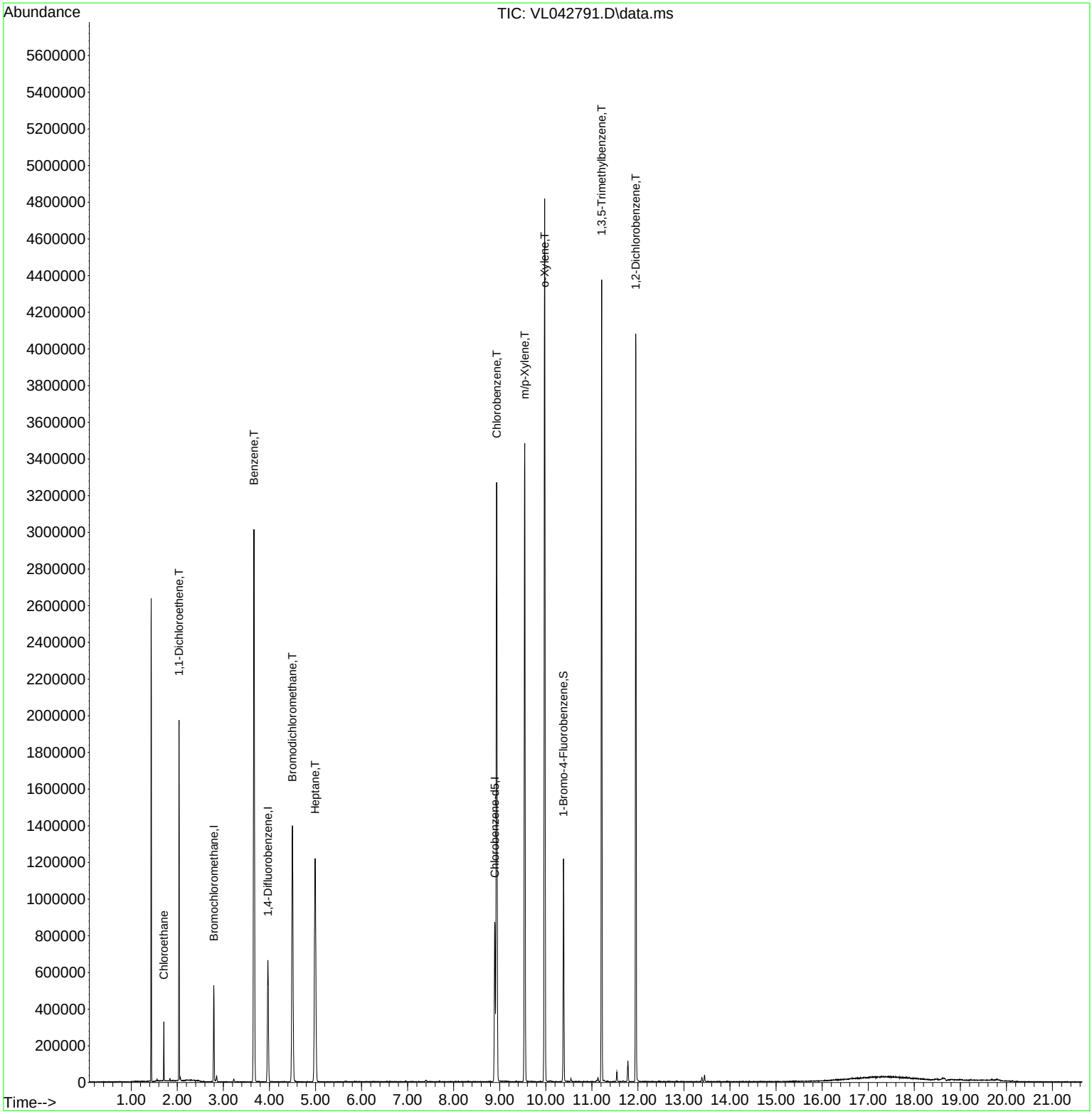
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	141472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391365	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	346534	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	293791	10.705	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.100%			
Target Compounds						Qvalue
7) Chloroethane	1.709	64	86336	29.887	ppbv	99
10) Heptane	4.991	43	566179	23.711	ppbv	98
18) 1,1-Dichloroethene	2.039	96	258488	39.044	ppbv	94
36) Benzene	3.664	78	1865504	50.295	ppbv	98
42) Bromodichloromethane	4.499	83	846413	29.087	ppbv	96
57) Chlorobenzene	8.933	112	1308615	39.019	ppbv	97
59) m/p-Xylene	9.542	91	1577519	36.070	ppbv	100
60) o-Xylene	9.976	91	2173699	49.739	ppbv	97
73) 1,3,5-Trimethylbenzene	11.212	105	1577511	36.711	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	966653	29.926	ppbv	99

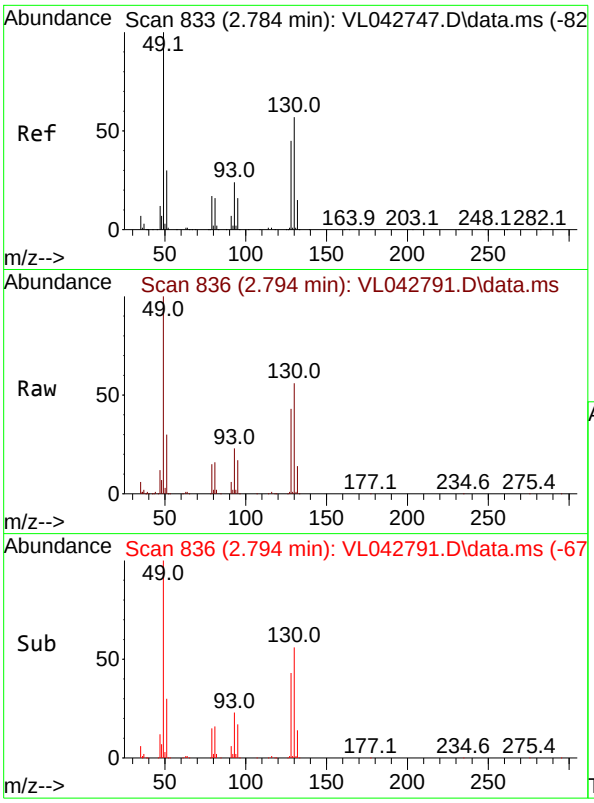
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042791.D
Acq On : 31 Jul 2025 12:03
Operator : SY/MD
Sample : Q2727-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Quant Time: Aug 01 01:14:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



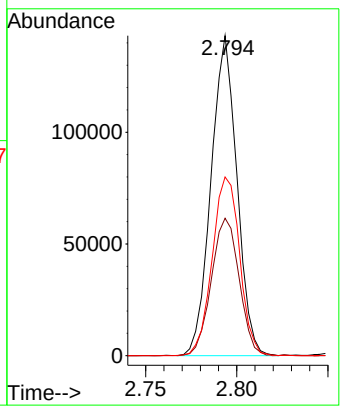


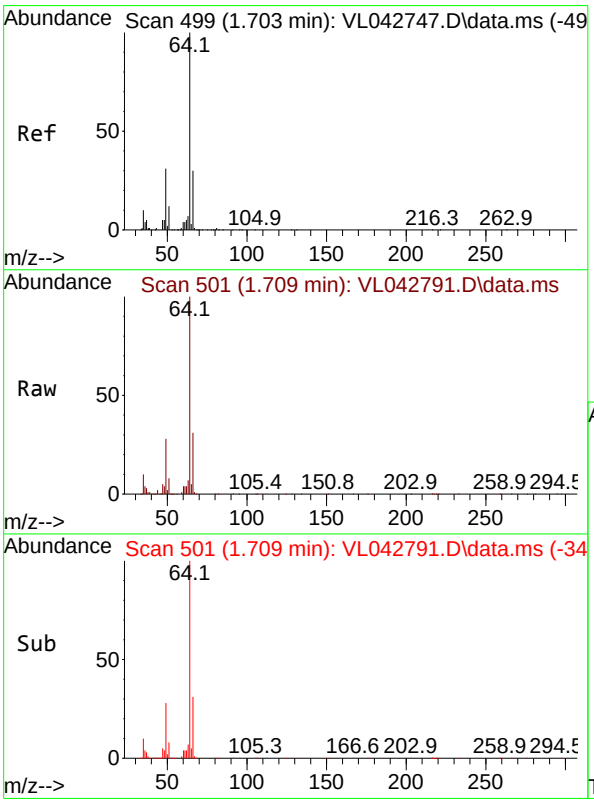
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion: 49 Resp: 141472

Ion	Ratio	Lower	Upper
49	100		
128	46.2	23.6	71.0
130	59.3	30.3	90.8

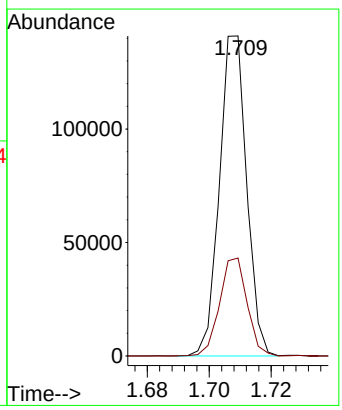


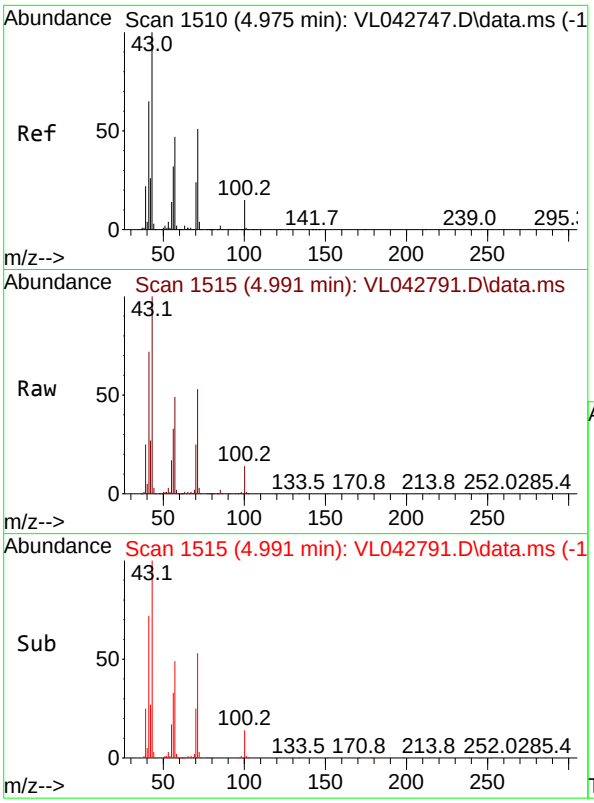


#7
Chloroethane
Concen: 29.887 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 64 Resp: 86336

Ion	Ratio	Lower	Upper
64	100		
66	30.6	24.1	36.1



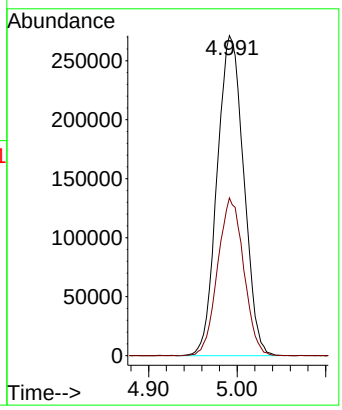


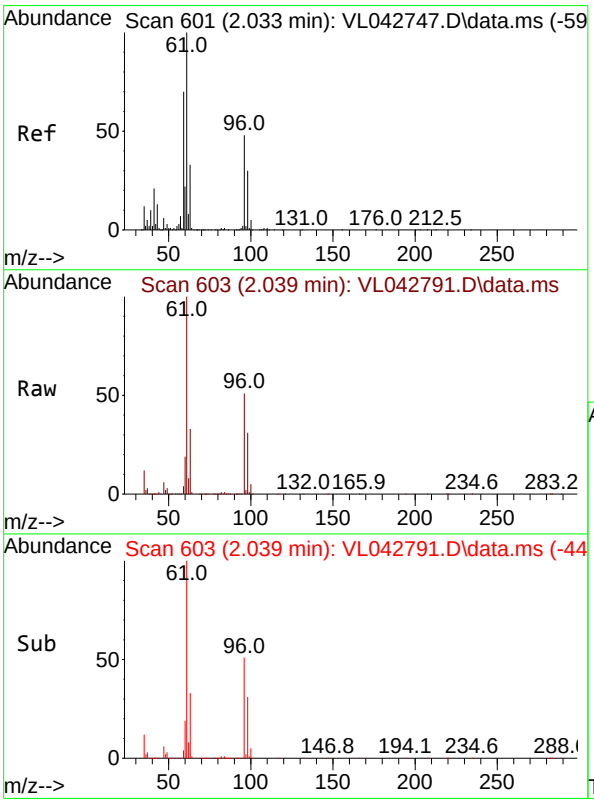
#10
Heptane
Concen: 23.711 ppbv
RT: 4.991 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion: 43 Resp: 566179

Ion	Ratio	Lower	Upper
43	100		
57	48.3	39.9	59.9

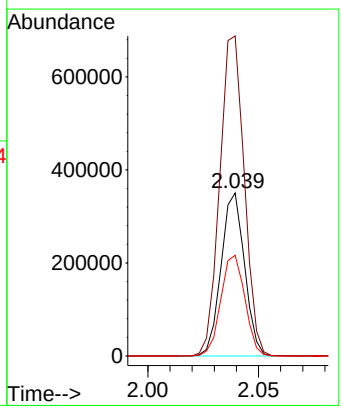


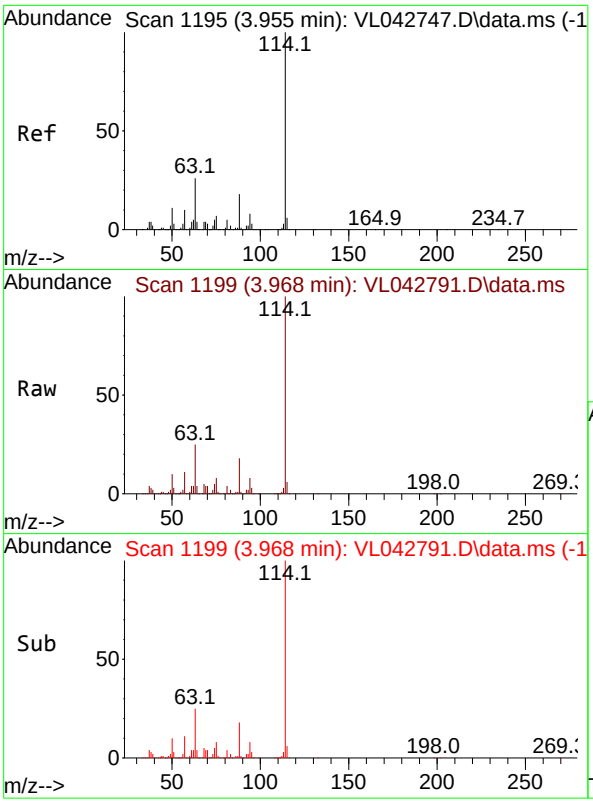


#18
1,1-Dichloroethene
Concen: 39.044 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 96 Resp: 258488

Ion	Ratio	Lower	Upper
96	100		
61	196.3	165.8	248.6
98	61.7	49.9	74.9



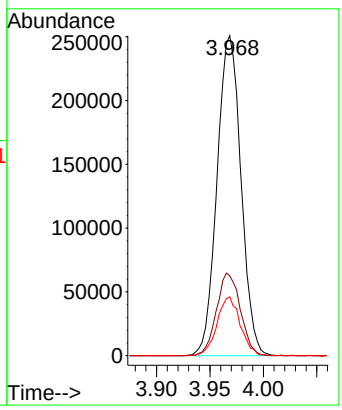


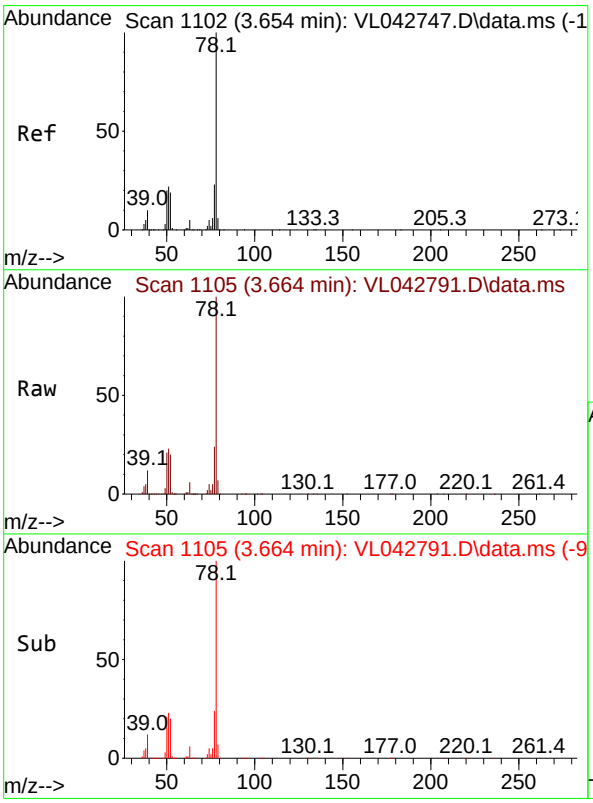
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion:114 Resp: 391365

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.8	14.0	21.0

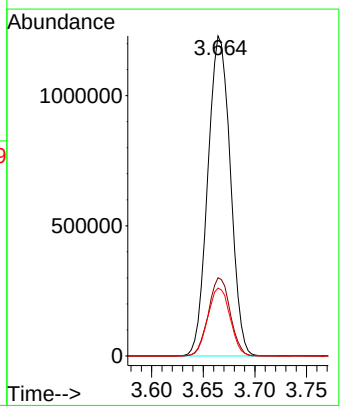


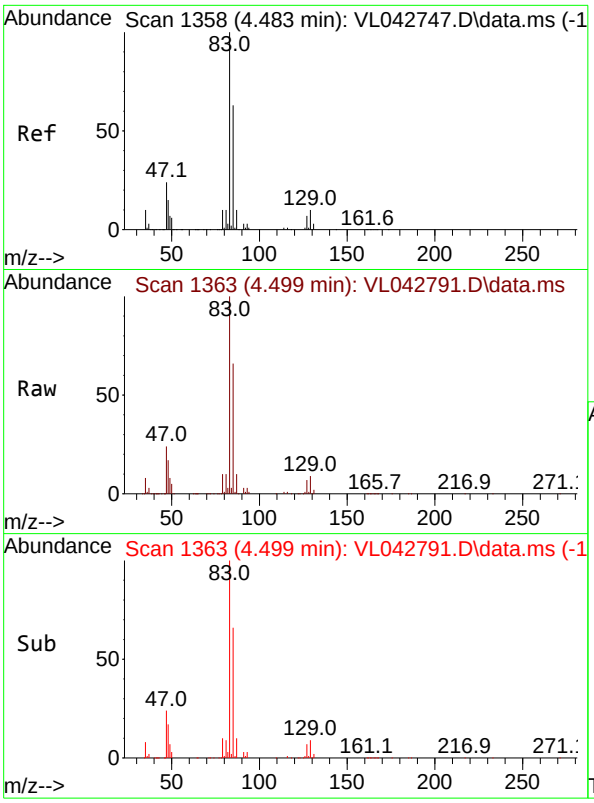


#36
Benzene
Concen: 50.295 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 78 Resp: 1865504

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7
50	21.2	16.2	24.2



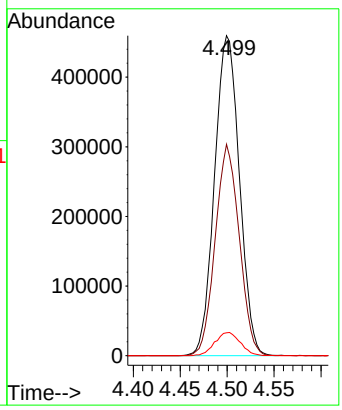


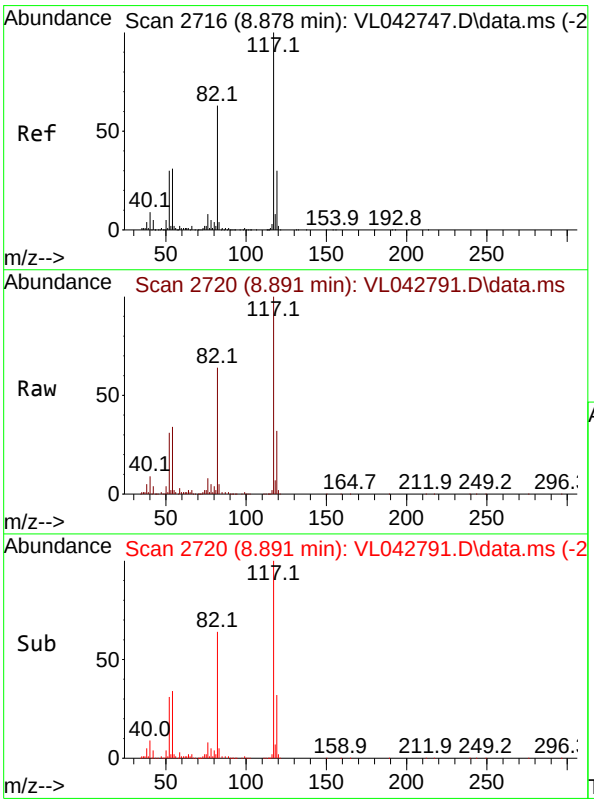
#42
Bromodichloromethane
Concen: 29.087 ppbv
RT: 4.499 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion: 83 Resp: 846413

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.2	75.4
127	7.2	5.4	8.2

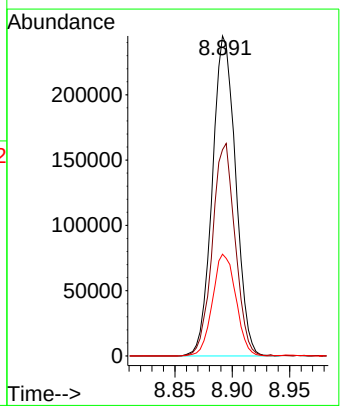


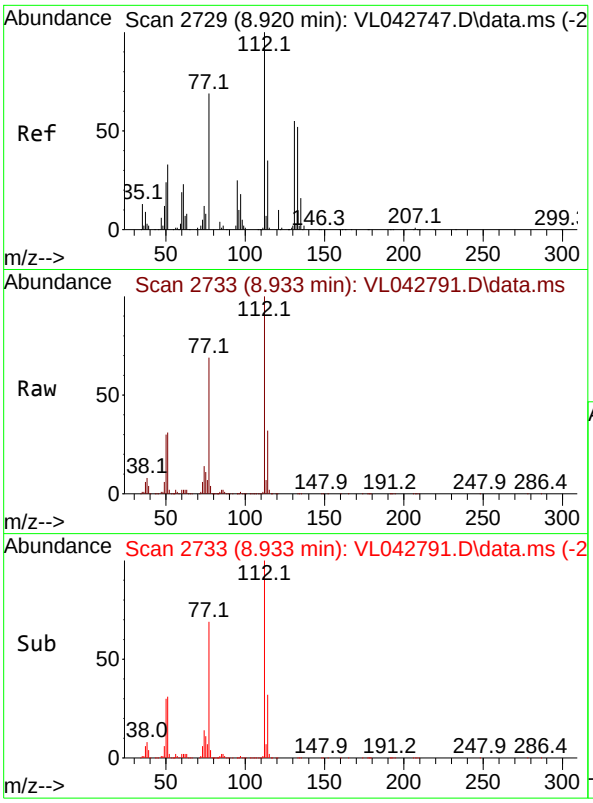


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:117 Resp: 346534

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.3	79.9
119	32.0	25.8	38.6



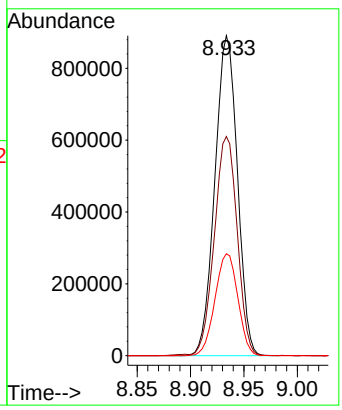


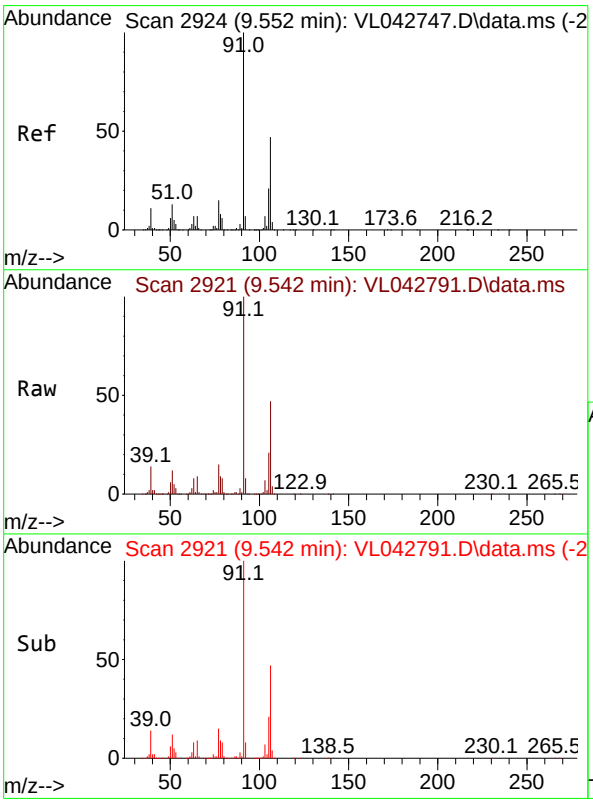
#57
Chlorobenzene
Concen: 39.019 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion:112 Resp: 1308615

Ion	Ratio	Lower	Upper
112	100		
77	68.4	56.4	84.6
114	31.8	31.2	38.2

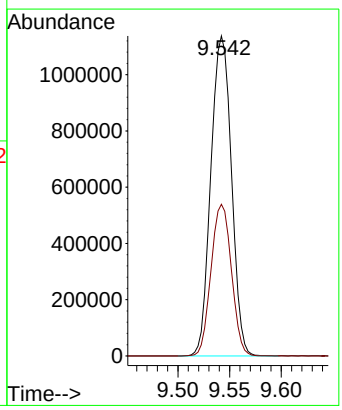


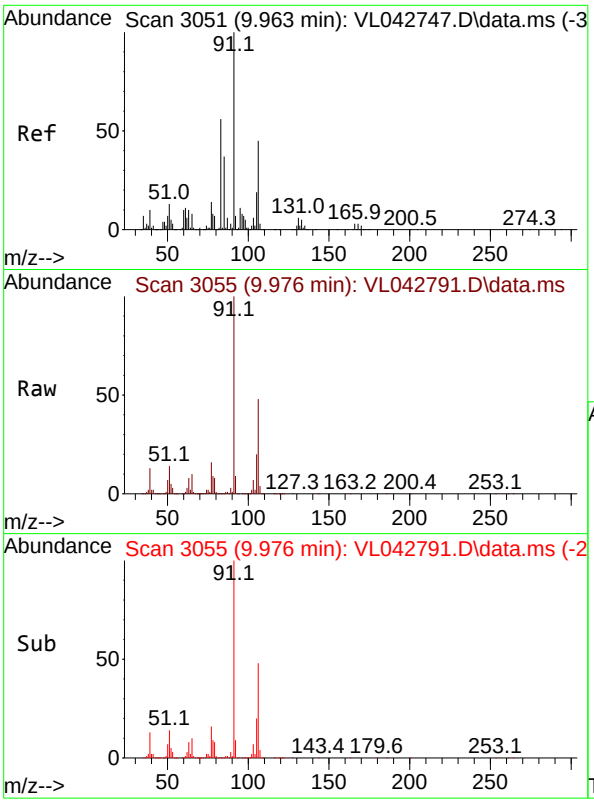


#59
m/p-Xylene
Concen: 36.070 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 91 Resp: 1577519

Ion	Ratio	Lower	Upper
91	100		
106	46.9	37.4	56.2



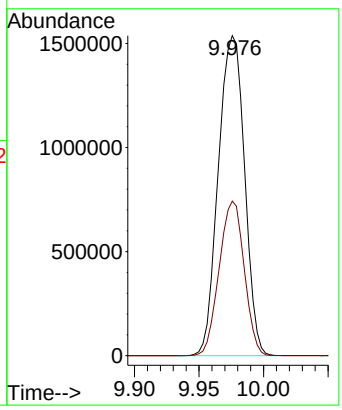


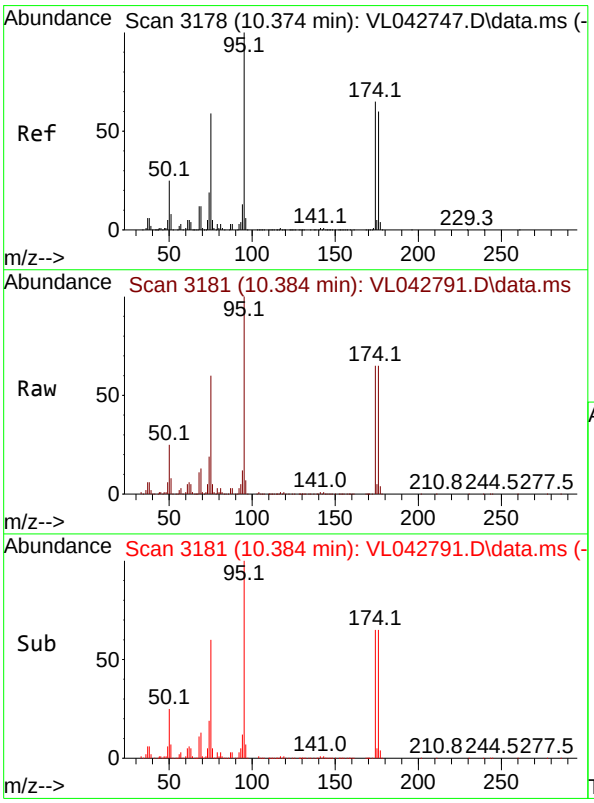
#60
o-Xylene
Concen: 49.739 ppbv
RT: 9.976 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion: 91 Resp: 2173699

Ion	Ratio	Lower	Upper
91	100		
106	46.1	22.0	66.0

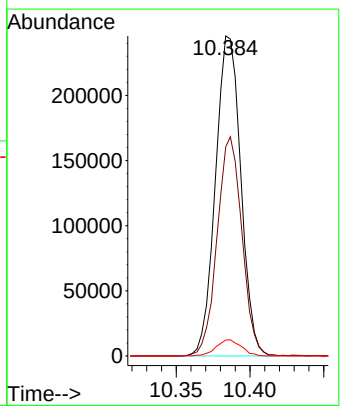


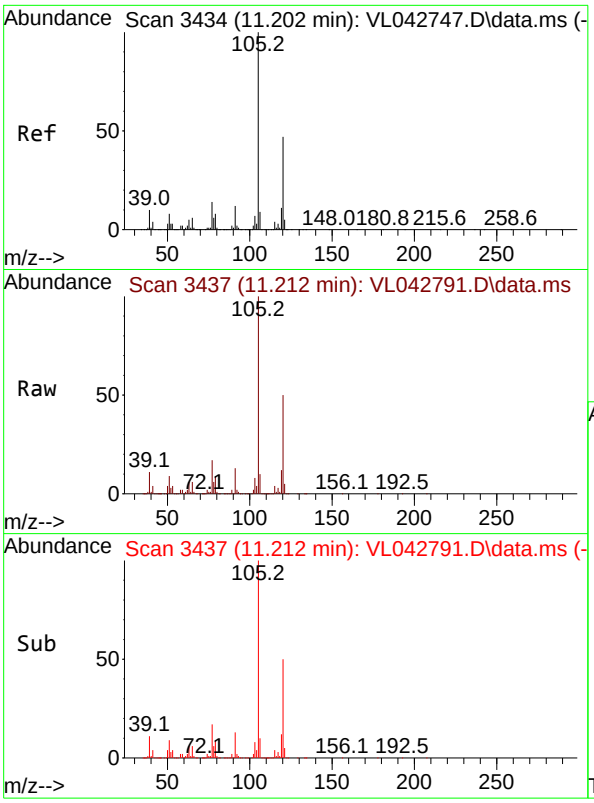


#68
1-Bromo-4-Fluorobenzene
Concen: 10.705 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 95 Resp: 293791

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.8	80.6
175	5.0	4.0	6.0



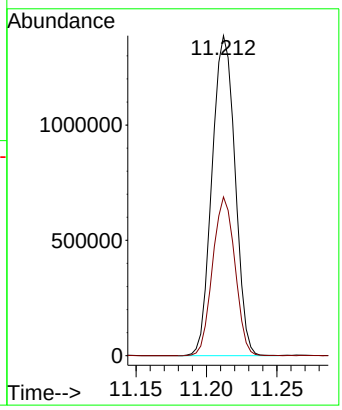


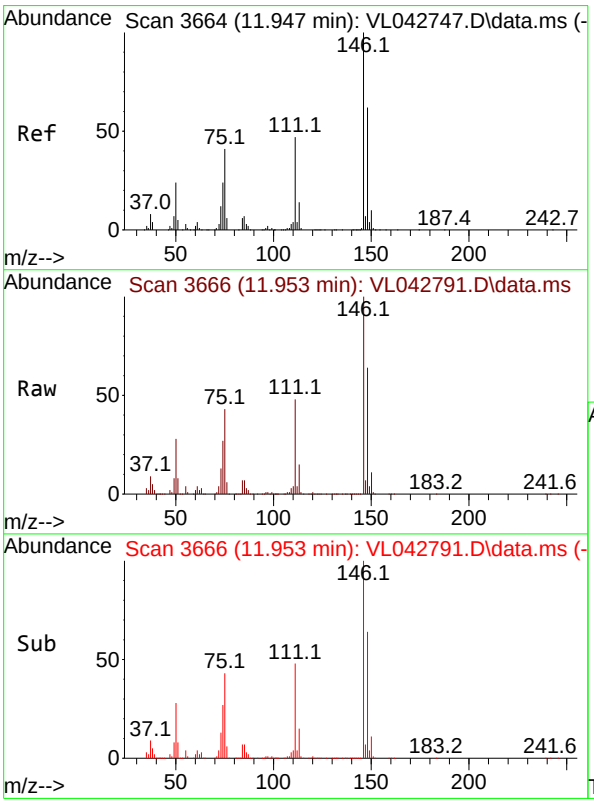
#73
1,3,5-Trimethylbenzene
Concen: 36.711 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

Tgt Ion:105 Resp: 1577511

Ion	Ratio	Lower	Upper
105	100		
120	49.6	37.8	56.8

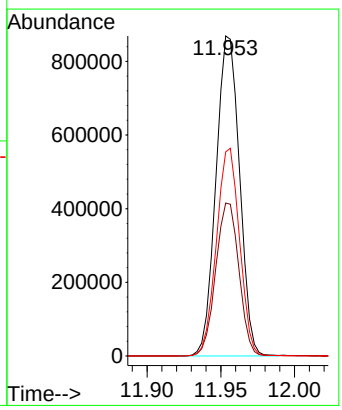




#77
1,2-Dichlorobenzene
Concen: 29.926 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:146 Resp: 966653

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.7	71.1
148	63.8	32.6	97.7



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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042792.D	2		07/31/25 12:39	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.24	0.85	UD	0.85	3.54	ug/m3
75-71-8	Dichlorodifluoromethane	0.22	1.09	UD	1.09	4.94	ug/m3
64-17-5	Ethanol	0.64	1.21	UD	1.21	1.88	ug/m3
74-87-3	Chloromethane	0.20	0.41	UD	0.41	2.07	ug/m3
75-01-4	Vinyl Chloride	0.050	0.13	UD	0.13	0.15	ug/m3
141-78-6	Ethyl Acetate	0.24	0.95	UD	0.95	3.97	ug/m3
74-83-9	Bromomethane	0.15	0.58	UD	0.58	3.88	ug/m3
75-00-3	Chloroethane	29.1	76.8	D	0.79	2.64	ug/m3
109-99-9	Tetrahydrofuran	0.16	0.47	UD	0.47	2.95	ug/m3
75-69-4	Trichlorofluoromethane	0.34	1.91	UD	1.91	5.62	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	UD	2.15	7.66	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	UD	2.10	6.99	ug/m3
593-60-2	Bromoethene	0.40	1.75	UD	1.75	4.37	ug/m3
115-07-1	Propene	0.15	0.26	UD	0.26	1.72	ug/m3
75-65-0	tert-Butyl alcohol	0.32	0.97	UD	0.97	3.03	ug/m3
142-82-5	Heptane	23.3	95.5	D	1.39	4.10	ug/m3
67-63-0	Isopropyl Alcohol	0.46	1.13	UD	1.13	2.46	ug/m3
75-35-4	1,1-Dichloroethene	39.1	155	ED	1.19	3.96	ug/m3
67-64-1	Acetone	0.36	0.86	UD	0.86	2.38	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	UD	0.50	3.11	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	UD	1.66	3.61	ug/m3
75-09-2	Methylene Chloride	0.46	1.60	UD	1.60	3.47	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	UD	0.95	3.96	ug/m3
108-05-4	Vinyl Acetate	0.52	1.87	UD	1.87	3.60	ug/m3
75-34-3	1,1-Dichloroethane	0.26	1.05	UD	1.05	4.05	ug/m3
110-82-7	Cyclohexane	0.44	1.51	UD	1.51	3.44	ug/m3
78-93-3	2-Butanone	0.11	0.32	UD	0.32	2.95	ug/m3
56-23-5	Carbon Tetrachloride	0.050	0.31	UD	0.31	0.38	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	UD	0.79	3.96	ug/m3
67-66-3	Chloroform	0.19	0.93	UD	0.93	4.88	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	UD	0.16	0.33	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	UD	1.31	4.67	ug/m3
71-43-2	Benzene	54.7	175	ED	0.51	3.19	ug/m3
107-06-2	1,2-Dichloroethane	0.19	0.77	UD	0.77	4.05	ug/m3
79-01-6	Trichloroethene	0.050	0.27	UD	0.27	0.32	ug/m3

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042792.D	2		07/31/25 12:39	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.26	1.20	UD	1.20	4.62	ug/m3
75-27-4	Bromodichloromethane	29.8	200	D	0.87	6.70	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	UD	0.78	4.10	ug/m3
108-88-3	Toluene	0.32	1.21	UD	1.21	3.77	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	UD	1.36	4.54	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	UD	1.00	4.54	ug/m3
79-00-5	1,1,2-Trichloroethane	0.16	0.87	UD	0.87	5.46	ug/m3
591-78-6	2-Hexanone	0.22	0.90	UD	0.90	4.09	ug/m3
124-48-1	Dibromochloromethane	0.17	1.45	UD	1.45	8.52	ug/m3
106-93-4	1,2-Dibromoethane	0.17	1.31	UD	1.31	1.54	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	UD	0.20	0.41	ug/m3
108-90-7	Chlorobenzene	42.0	193	ED	0.69	4.61	ug/m3
100-41-4	Ethyl Benzene	0.38	1.65	UD	1.65	4.34	ug/m3
179601-23-1	m/p-Xylene	38.3	166	D	3.56	8.69	ug/m3
1330-20-7	Total Xylenes	94.5	410	D	5.39	13.0	ug/m3
95-47-6	o-Xylene	56.2	244	ED	1.82	4.34	ug/m3
100-42-5	Styrene	0.32	1.36	UD	1.36	4.26	ug/m3
75-25-2	Bromoform	0.10	1.03	UD	1.03	10.3	ug/m3
98-82-8	Isopropylbenzene	0.32	1.57	UD	1.57	4.92	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	UD	0.27	0.41	ug/m3
95-49-8	2-Chlorotoluene	0.34	1.76	UD	1.76	5.18	ug/m3
108-67-8	1,3,5-Trimethylbenzene	39.2	193	ED	1.77	4.92	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	UD	1.77	4.92	ug/m3
541-73-1	1,3-Dichlorobenzene	0.11	0.66	UD	0.66	6.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.26	1.56	UD	1.56	6.01	ug/m3
95-50-1	1,2-Dichlorobenzene	31.1	187	ED	1.56	6.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	UD	3.12	7.42	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	UD	2.77	10.7	ug/m3
106-99-0	1,3-Butadiene	0.10	0.22	UD	0.22	2.21	ug/m3
91-20-3	Naphthalene	0.030	0.16	UD	0.16	1.05	ug/m3
622-96-8	4-Ethyltoluene	0.42	2.06	UD	2.06	4.92	ug/m3
110-54-3	Hexane	0.32	1.13	UD	1.13	3.52	ug/m3
107-05-1	Allyl Chloride	0.22	0.69	UD	0.69	3.13	ug/m3
123-91-1	1,4-Dioxane	0.44	1.59	UD	1.59	3.60	ug/m3
100-44-7	Benzyl Chloride	0.18	0.93	UDQ	0.93	5.18	ug/m3
80-62-6	Methyl Methacrylate	0.28	1.15	UD	1.15	4.09	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042792.D	2		07/31/25 12:39	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	137000			2.797		
540-36-3	1,4-Difluorobenzene	371000			3.968		
3114-55-4	Chlorobenzene-d5	325000			8.898		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042792.D
Acq On : 31 Jul 2025 12:39
Operator : SY/MD
Sample : Q2727-01DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Quant Time: Aug 01 01:14:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

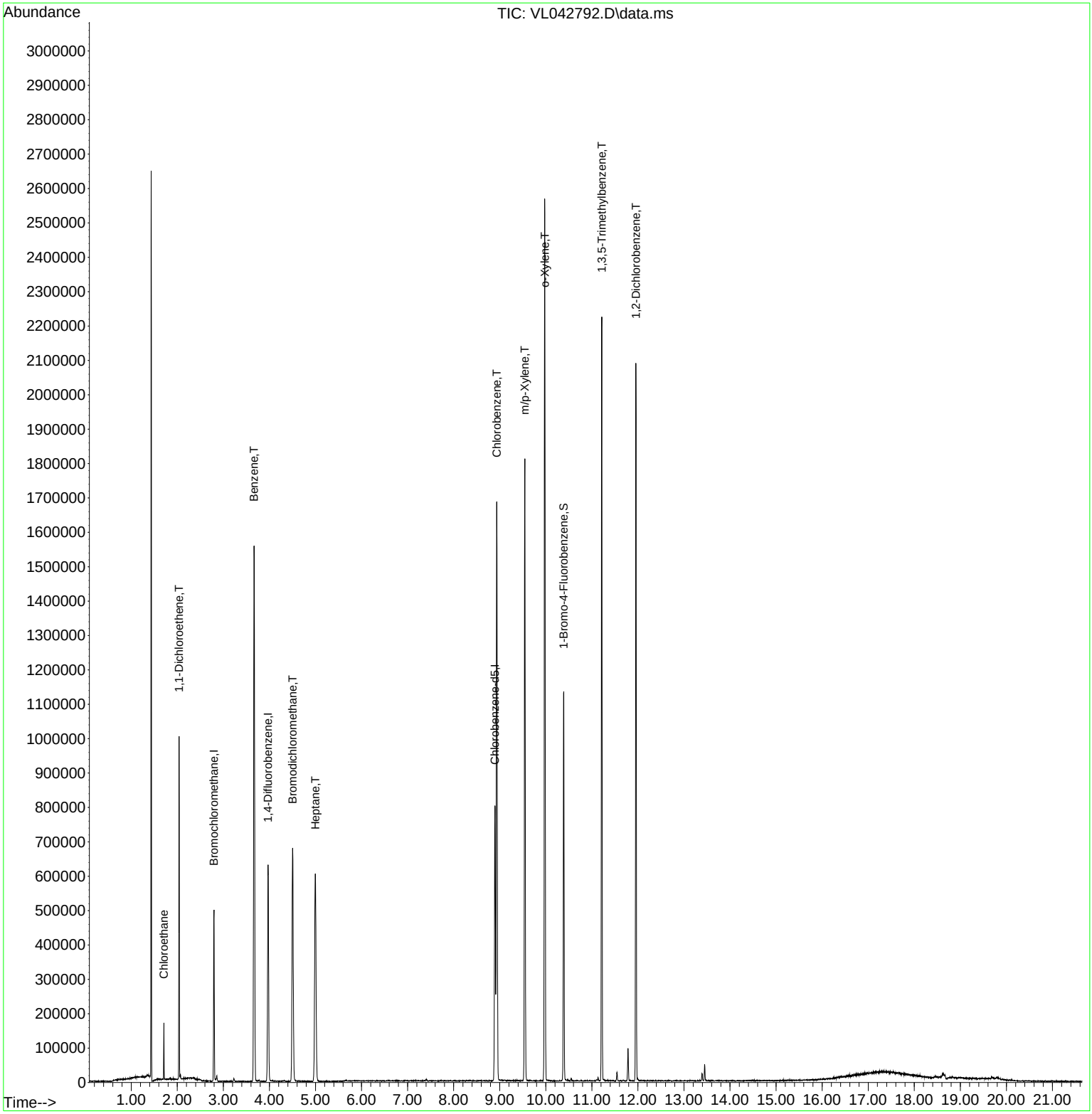
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	136777	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.968	114	371224	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	324625	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	273294	10.631	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.300%			
Target Compounds						Qvalue
7) Chloroethane	1.709	64	40627	14.547	ppbv	99
10) Heptane	4.994	43	268880	11.647	ppbv	97
18) 1,1-Dichloroethene	2.039	96	125059	19.538	ppbv	98
36) Benzene	3.667	78	961979	27.343	ppbv	99
42) Bromodichloromethane	4.506	83	411940	14.924	ppbv	98
57) Chlorobenzene	8.936	112	660376	21.020	ppbv	96
59) m/p-Xylene	9.545	91	785341	19.169	ppbv	98
60) o-Xylene	9.979	91	1150446	28.101	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	788778	19.595	ppbv	100
77) 1,2-Dichlorobenzene	11.956	146	471076	15.568	ppbv	99

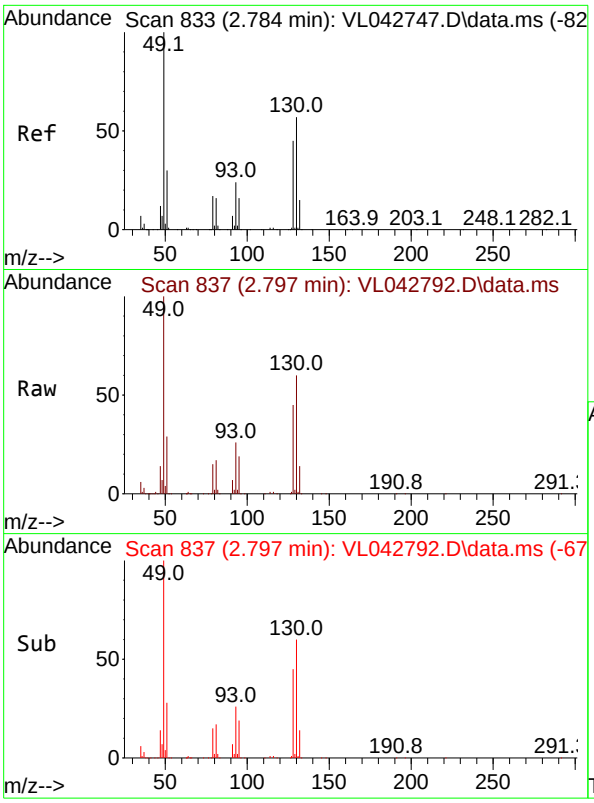
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042792.D
Acq On : 31 Jul 2025 12:39
Operator : SY/MD
Sample : Q2727-01DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Quant Time: Aug 01 01:14:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



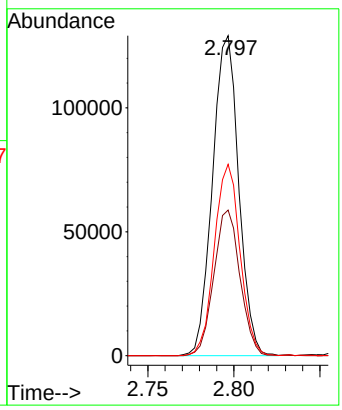


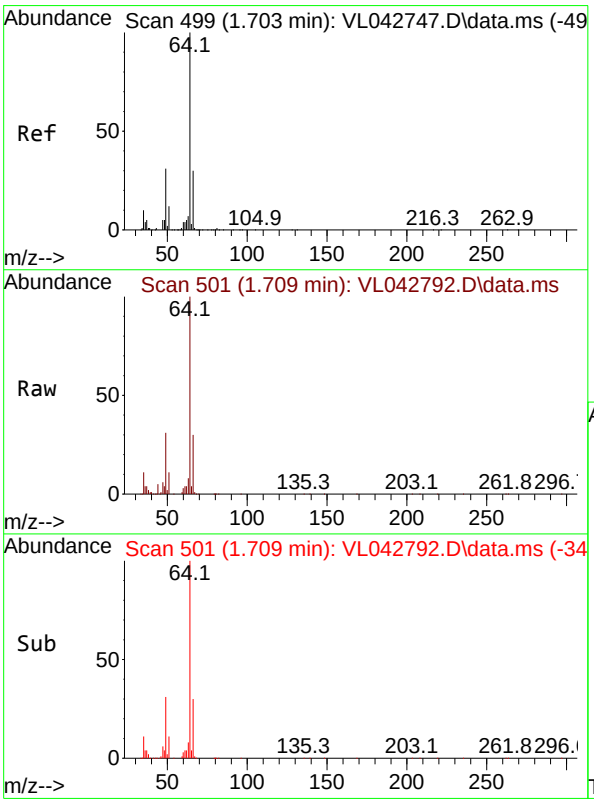
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion: 49 Resp: 136777

Ion	Ratio	Lower	Upper
49	100		
128	45.5	23.6	71.0
130	58.8	30.3	90.8

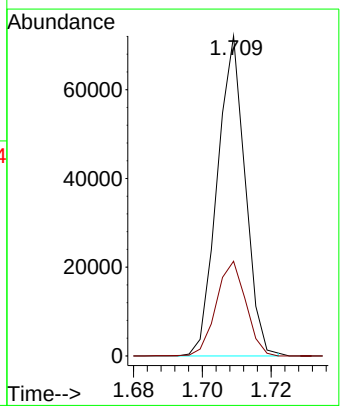


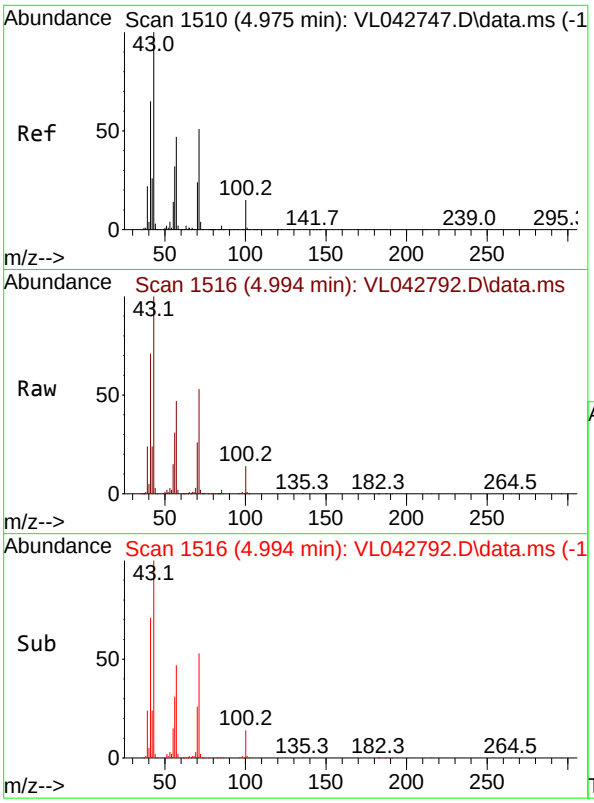


#7
Chloroethane
Concen: 14.547 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 64 Resp: 40627

Ion	Ratio	Lower	Upper
64	100		
66	29.6	24.1	36.1



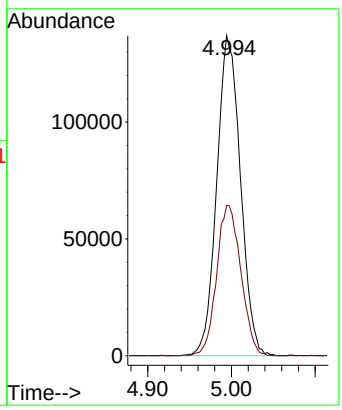


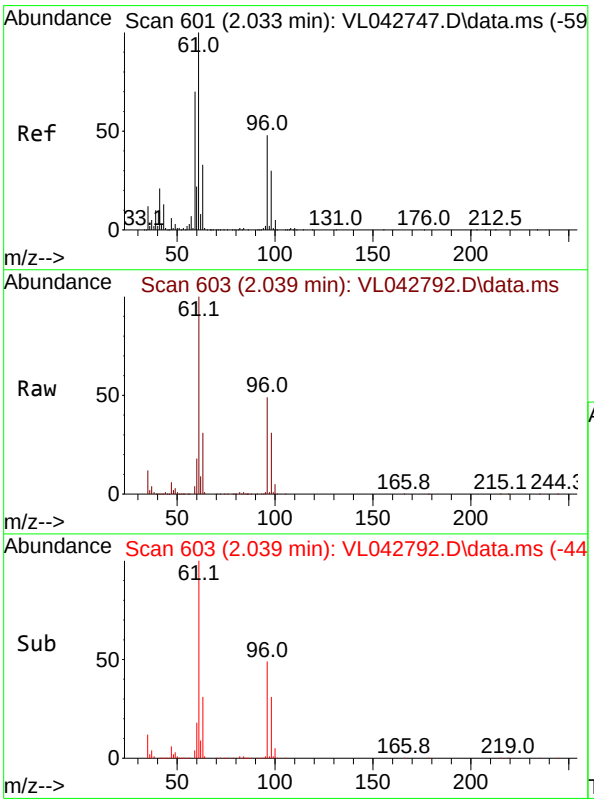
#10
Heptane
Concen: 11.647 ppbv
RT: 4.994 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion: 43 Resp: 268880

Ion	Ratio	Lower	Upper
43	100		
57	48.0	39.9	59.9

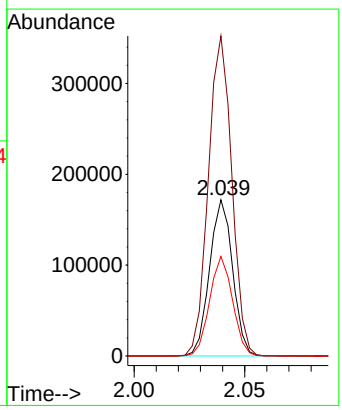


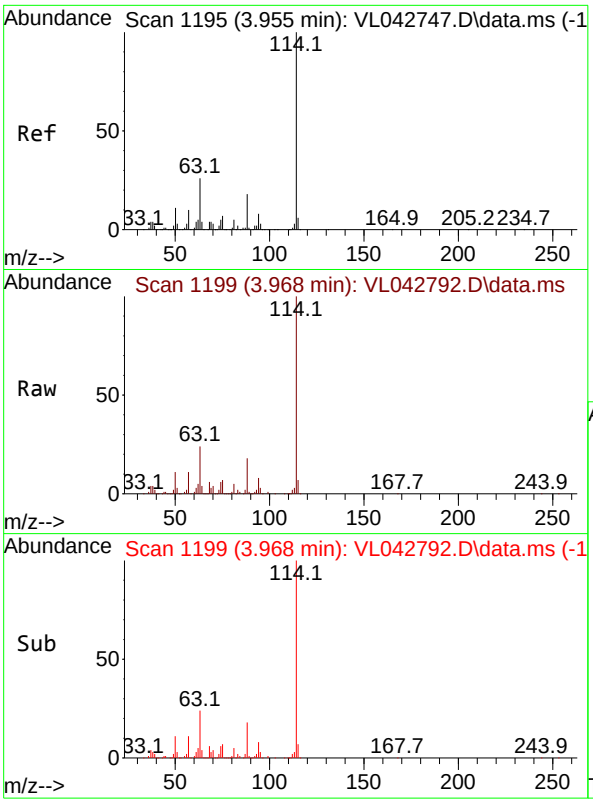


#18
1,1-Dichloroethene
Concen: 19.538 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 96 Resp: 125059

Ion	Ratio	Lower	Upper
96	100		
61	204.8	165.8	248.6
98	63.7	49.9	74.9



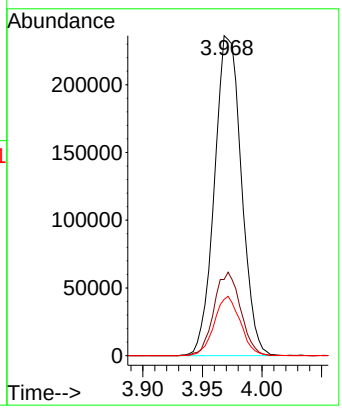


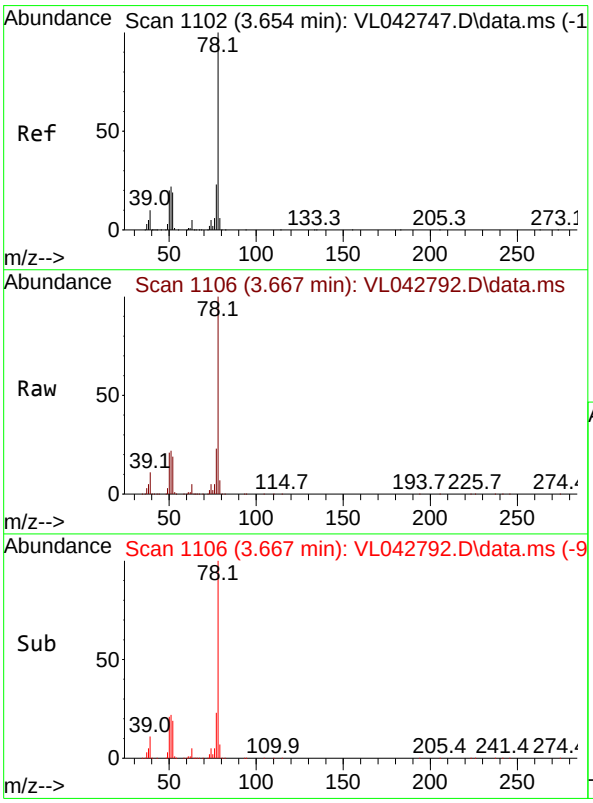
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion:114 Resp: 371224

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	18.0	14.0	21.0

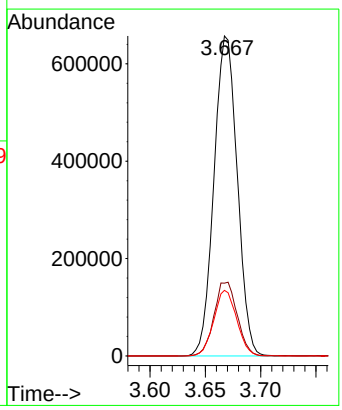


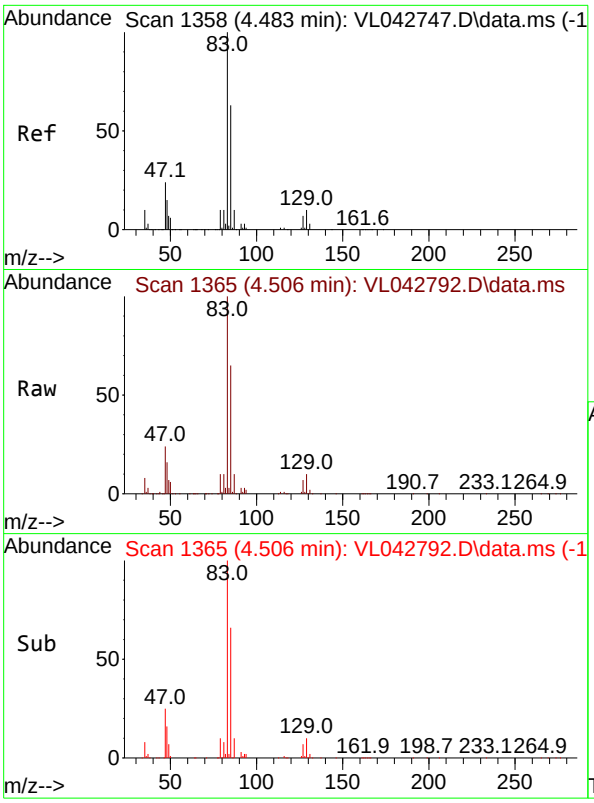


#36
Benzene
Concen: 27.343 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 78 Resp: 961979

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.5	27.7
50	20.5	16.2	24.2



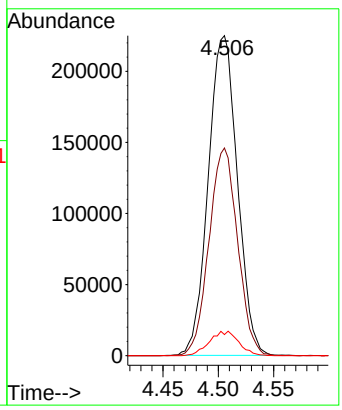


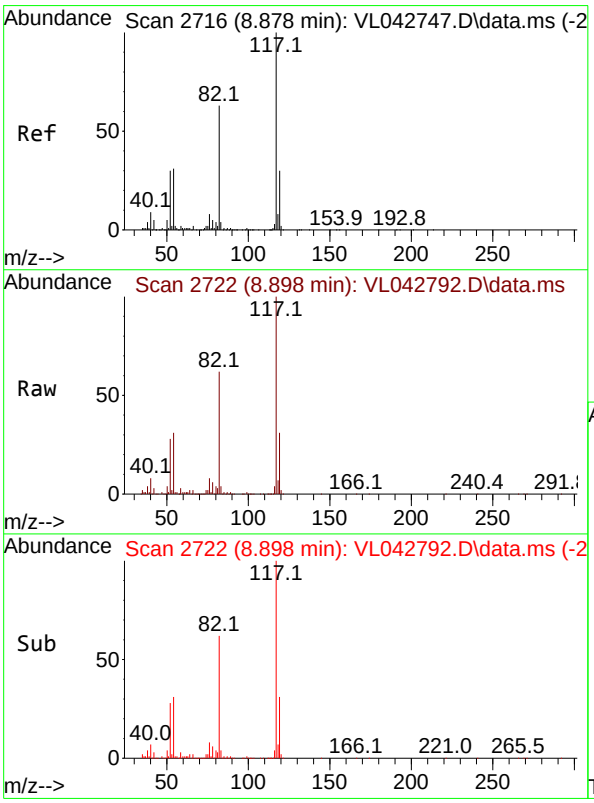
#42
Bromodichloromethane
Concen: 14.924 ppbv
RT: 4.506 min Scan# 1
Delta R.T. 0.022 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion: 83 Resp: 411940

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	6.6	5.4	8.2

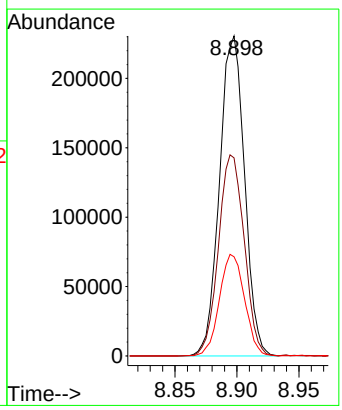


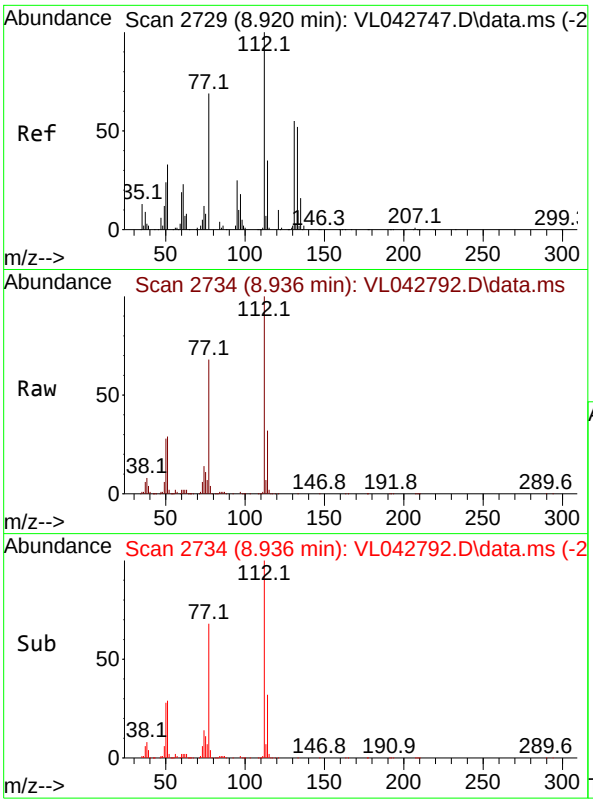


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.019 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion:117 Resp: 324625

Ion	Ratio	Lower	Upper
117	100		
82	64.8	53.3	79.9
119	32.1	25.8	38.6



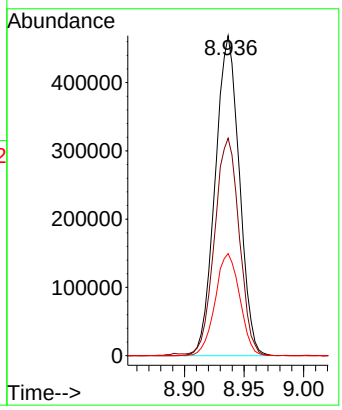


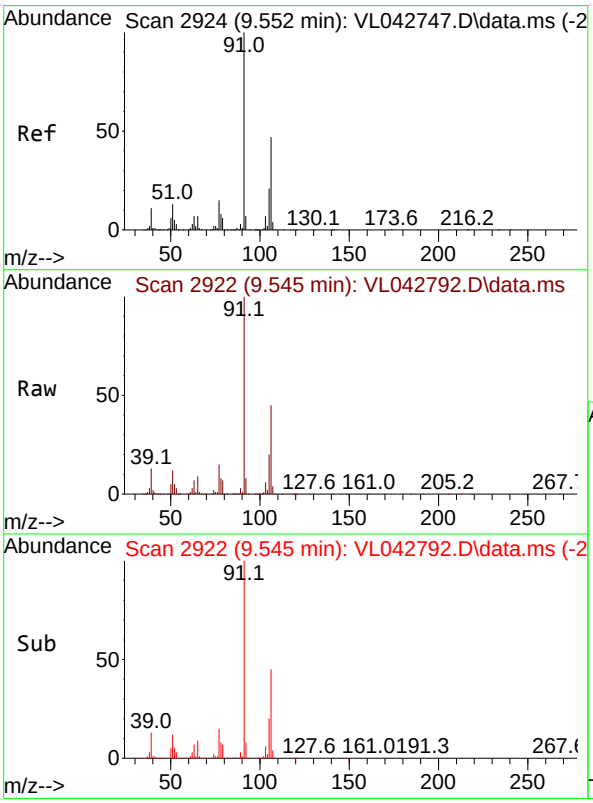
#57
Chlorobenzene
Concen: 21.020 ppbv
RT: 8.936 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion:112 Resp: 660376

Ion	Ratio	Lower	Upper
112	100		
77	67.9	56.4	84.6
114	31.9	31.2	38.2

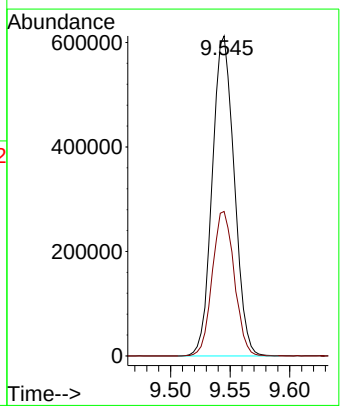


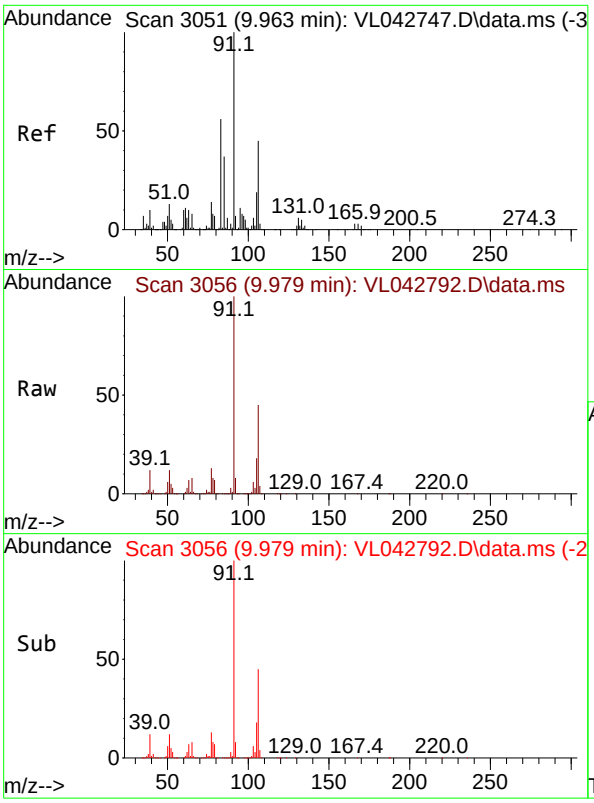


#59
m/p-Xylene
Concen: 19.169 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. -0.007 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 91 Resp: 785341

Ion	Ratio	Lower	Upper
91	100		
106	45.3	37.4	56.2



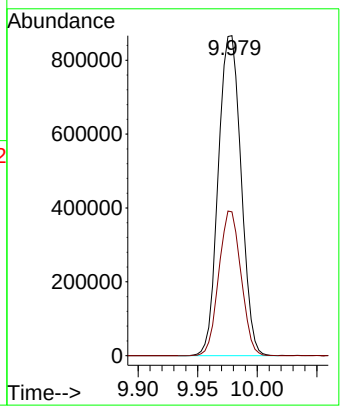


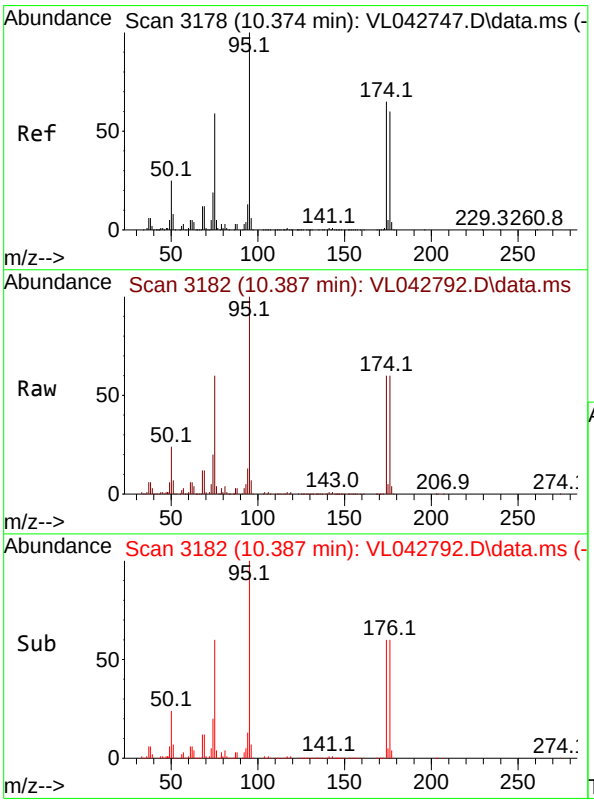
#60
o-Xylene
Concen: 28.101 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion: 91 Resp: 1150446

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.0	66.0

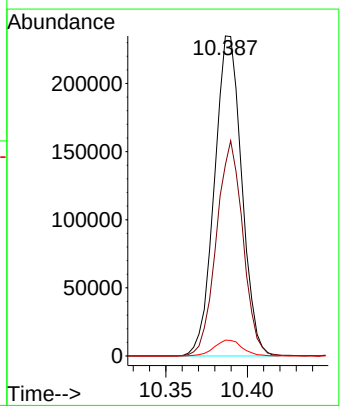


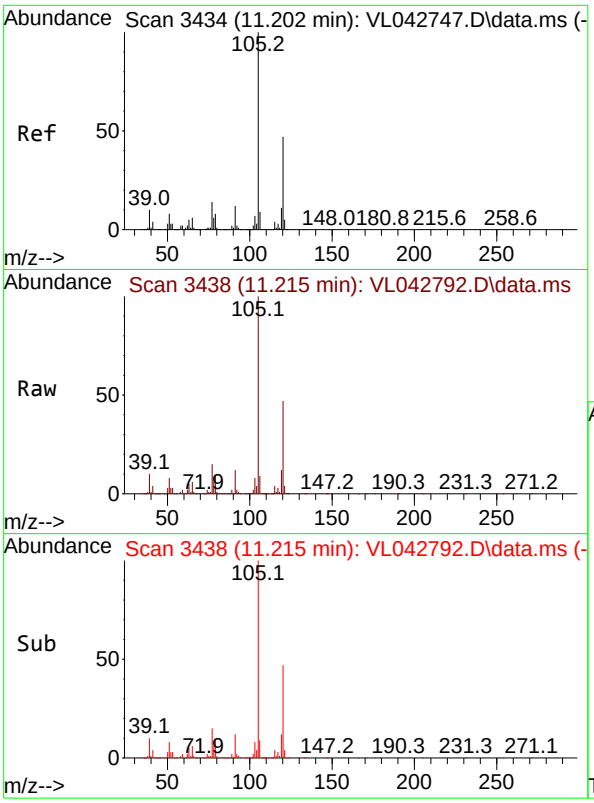


#68
1-Bromo-4-Fluorobenzene
Concen: 10.631 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion: 95 Resp: 273294

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.1	4.0	6.0



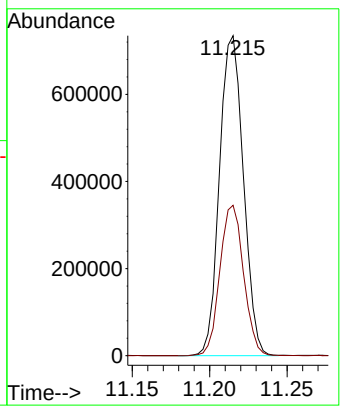


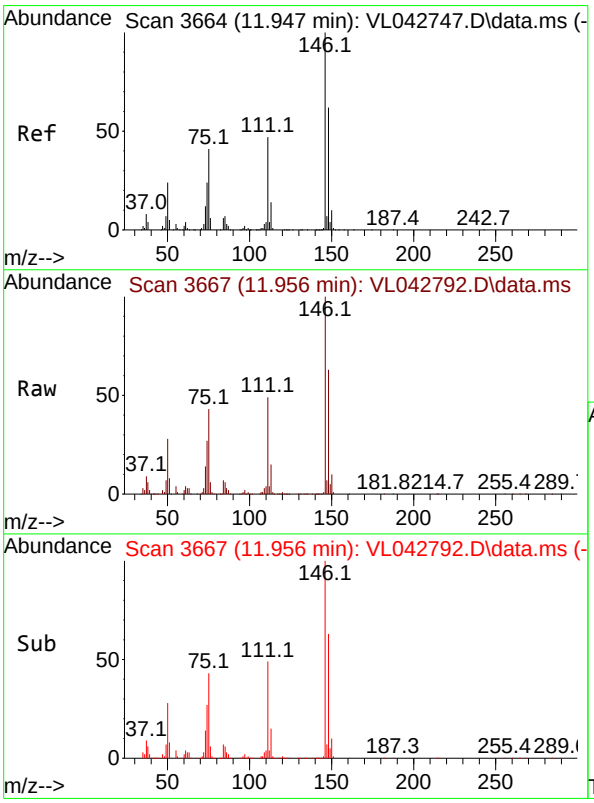
#73
1,3,5-Trimethylbenzene
Concen: 19.595 ppbv
RT: 11.215 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL

Tgt Ion:105 Resp: 788778

Ion	Ratio	Lower	Upper
105	100		
120	47.0	37.8	56.8

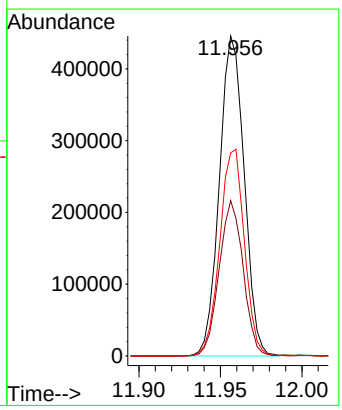




#77
1,2-Dichlorobenzene
Concen: 15.568 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.010 min
Lab File: VL042792.D
Acq: 31 Jul 2025 12:39

Tgt Ion:146 Resp: 471076

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.7	71.1
148	64.3	32.6	97.7



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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL2	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042852.D	4		08/13/25 15:10	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.48	1.70	UD	1.70	7.07	ug/m3
75-71-8	Dichlorodifluoromethane	0.44	2.18	UD	2.18	9.89	ug/m3
64-17-5	Ethanol	1.30	2.45	UD	2.45	3.77	ug/m3
74-87-3	Chloromethane	0.39	0.81	UD	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.10	0.26	UD	0.26	0.31	ug/m3
141-78-6	Ethyl Acetate	0.48	1.90	UD	1.90	7.93	ug/m3
74-83-9	Bromomethane	0.31	1.20	UD	1.20	7.77	ug/m3
75-00-3	Chloroethane	28.1	74.2	D	1.58	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.32	0.94	UD	0.94	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.68	3.82	UD	3.82	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	4.29	UD	4.29	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.60	4.19	UD	4.19	14.0	ug/m3
593-60-2	Bromoethene	0.80	3.50	UD	3.50	8.74	ug/m3
115-07-1	Propene	0.31	0.53	UD	0.53	3.44	ug/m3
75-65-0	tert-Butyl alcohol	0.64	1.94	UD	1.94	6.06	ug/m3
142-82-5	Heptane	19.2	78.7	D	2.79	8.20	ug/m3
67-63-0	Isopropyl Alcohol	0.92	2.26	UD	2.26	4.92	ug/m3
75-35-4	1,1-Dichloroethene	39.0	155	D	2.38	7.93	ug/m3
67-64-1	Acetone	0.72	1.71	UD	1.71	4.75	ug/m3
75-15-0	Carbon Disulfide	0.32	1.00	UD	1.00	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.92	3.32	UD	3.32	7.21	ug/m3
75-09-2	Methylene Chloride	0.92	3.20	UD	3.20	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.48	1.90	UD	1.90	7.93	ug/m3
108-05-4	Vinyl Acetate	1.00	3.60	UD	3.60	7.20	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	UD	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	UD	3.03	6.88	ug/m3
78-93-3	2-Butanone	0.22	0.65	UD	0.65	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.10	0.63	UD	0.63	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	UD	1.59	7.93	ug/m3
67-66-3	Chloroform	0.38	1.86	UD	1.86	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.060	0.33	UD	0.33	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.56	2.62	UD	2.62	9.34	ug/m3
71-43-2	Benzene	46.7	149	D	1.02	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.37	1.50	UD	1.50	8.09	ug/m3
79-01-6	Trichloroethene	0.10	0.54	UD	0.54	0.64	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL2	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042852.D	4		08/13/25 15:10	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.52	2.40	UD	2.40	9.24	ug/m3
75-27-4	Bromodichloromethane	24.4	163	D	1.67	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.39	1.60	UD	1.60	8.20	ug/m3
108-88-3	Toluene	0.64	2.41	UD	2.41	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	2.72	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.44	2.00	UD	2.00	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.32	1.75	UD	1.75	10.9	ug/m3
591-78-6	2-Hexanone	0.44	1.80	UD	1.80	8.18	ug/m3
124-48-1	Dibromochloromethane	0.34	2.90	UD	2.90	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.34	2.61	UD	2.61	3.07	ug/m3
127-18-4	Tetrachloroethene	0.060	0.41	UD	0.41	0.81	ug/m3
108-90-7	Chlorobenzene	35.9	165	D	1.43	9.21	ug/m3
100-41-4	Ethyl Benzene	0.76	3.30	UD	3.30	8.69	ug/m3
179601-23-1	m/p-Xylene	30.7	133	D	6.95	17.4	ug/m3
1330-20-7	Total Xylenes	75.3	327	D	10.6	26.1	ug/m3
95-47-6	o-Xylene	44.6	194	D	3.65	8.69	ug/m3
100-42-5	Styrene	0.64	2.72	UD	2.72	8.52	ug/m3
75-25-2	Bromoform	0.19	1.96	UD	1.96	20.7	ug/m3
98-82-8	Isopropylbenzene	0.64	3.15	UD	3.15	9.83	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.070	0.48	UD	0.48	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.68	3.52	UD	3.52	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	29.1	143	D	3.54	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.72	3.54	UD	3.54	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.22	1.32	UD	1.32	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.52	3.13	UD	3.13	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	24.0	144	D	3.13	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.84	6.24	UD	6.24	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.52	5.55	UD	5.55	21.3	ug/m3
106-99-0	1,3-Butadiene	0.20	0.44	UD	0.44	4.42	ug/m3
91-20-3	Naphthalene	0.050	0.26	UD	0.26	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.84	4.13	UD	4.13	9.83	ug/m3
110-54-3	Hexane	0.64	2.26	UD	2.26	7.05	ug/m3
107-05-1	Allyl Chloride	0.44	1.38	UD	1.38	6.26	ug/m3
123-91-1	1,4-Dioxane	0.88	3.17	UD	3.17	7.21	ug/m3
100-44-7	Benzyl Chloride	0.36	1.86	UD	1.86	10.4	ug/m3
80-62-6	Methyl Methacrylate	0.56	2.29	UD	2.29	8.19	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100DL2	SDG No.:	Q2727
Lab Sample ID:	Q2727-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042852.D	4		08/13/25 15:10	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	118000			2.794		
540-36-3	1,4-Difluorobenzene	365000			3.969		
3114-55-4	Chlorobenzene-d5	318000			8.892		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042852.D
Acq On : 13 Aug 2025 15:10
Operator : SY/MD
Sample : Q2727-01DL2 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Quant Time: Aug 14 02:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

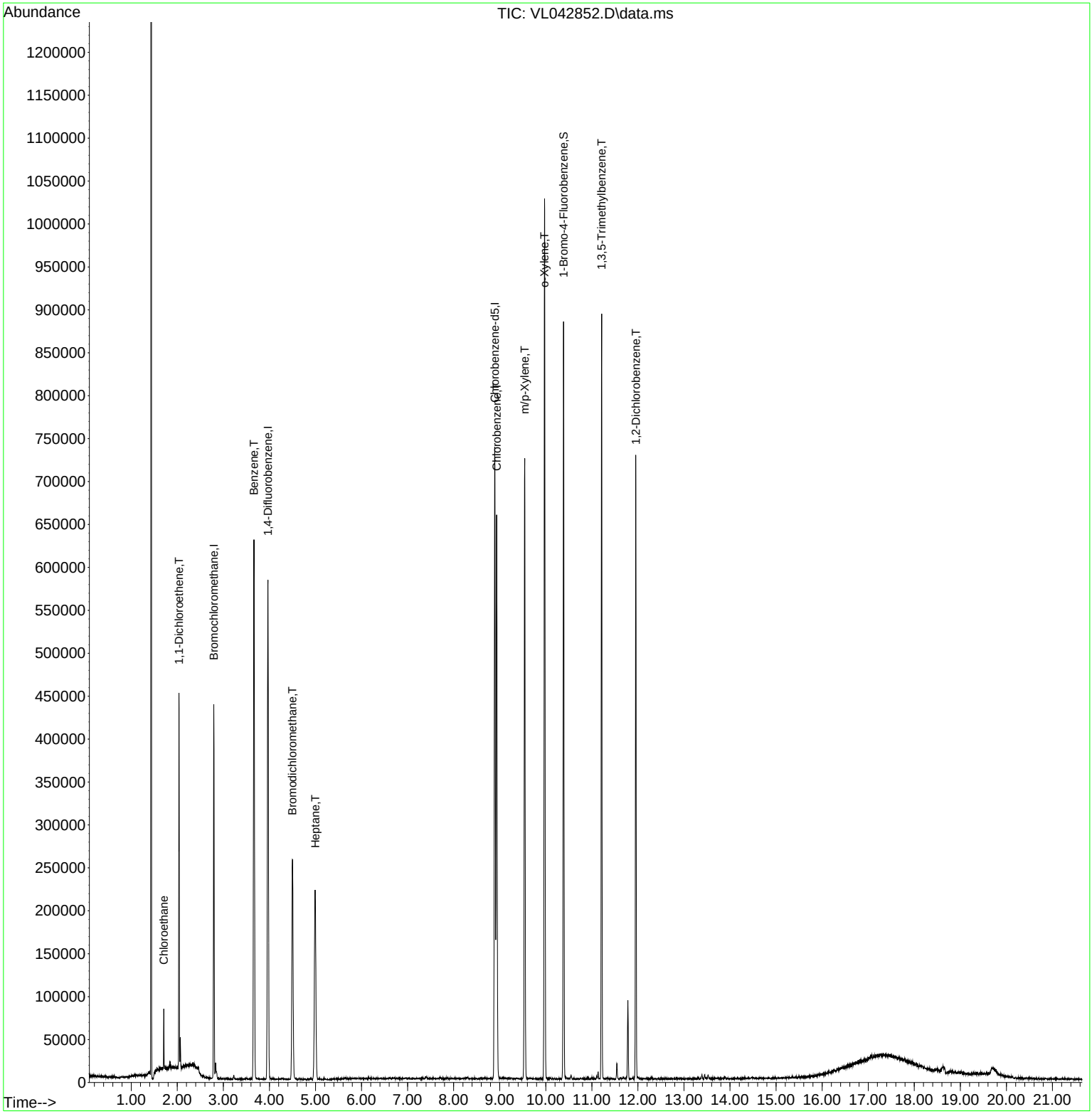
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	118347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	364683	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	318426	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	237748	9.956	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
7) Chloroethane	1.706	64	18906	7.023	ppbv	98
10) Heptane	4.995	43	106371	4.797	ppbv	100
18) 1,1-Dichloroethene	2.040	96	58452	9.748	ppbv	93
36) Benzene	3.664	78	407528	11.670	ppbv	99
42) Bromodichloromethane	4.499	83	165750	6.097	ppbv	98
57) Chlorobenzene	8.934	112	271358	8.963	ppbv	98
59) m/p-Xylene	9.542	91	337995	7.674	ppbv #	100
60) o-Xylene	9.973	91	493555	11.140	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	331987	7.269	ppbv	98
77) 1,2-Dichlorobenzene	11.957	146	167278	5.994	ppbv	99

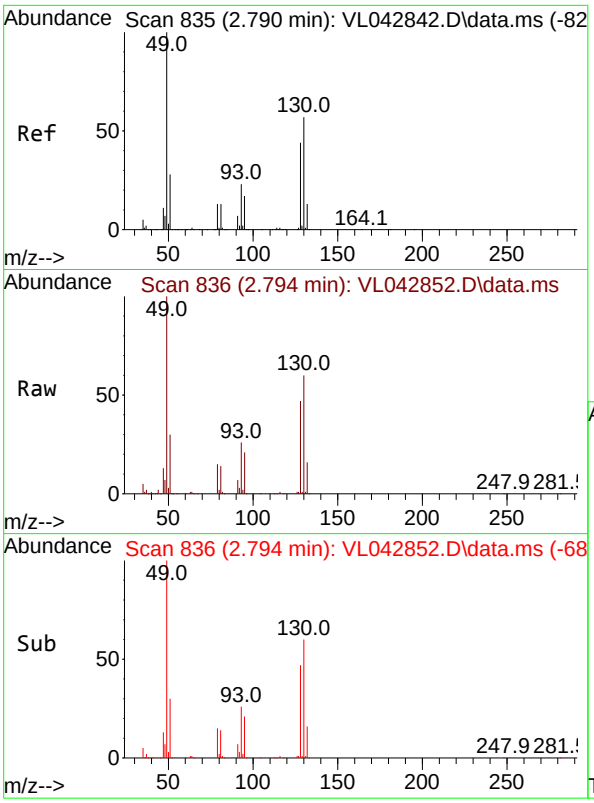
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042852.D
Acq On : 13 Aug 2025 15:10
Operator : SY/MD
Sample : Q2727-01DL2 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Quant Time: Aug 14 02:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



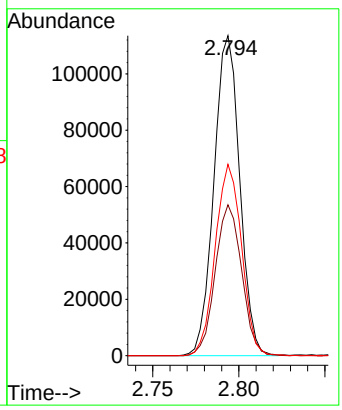


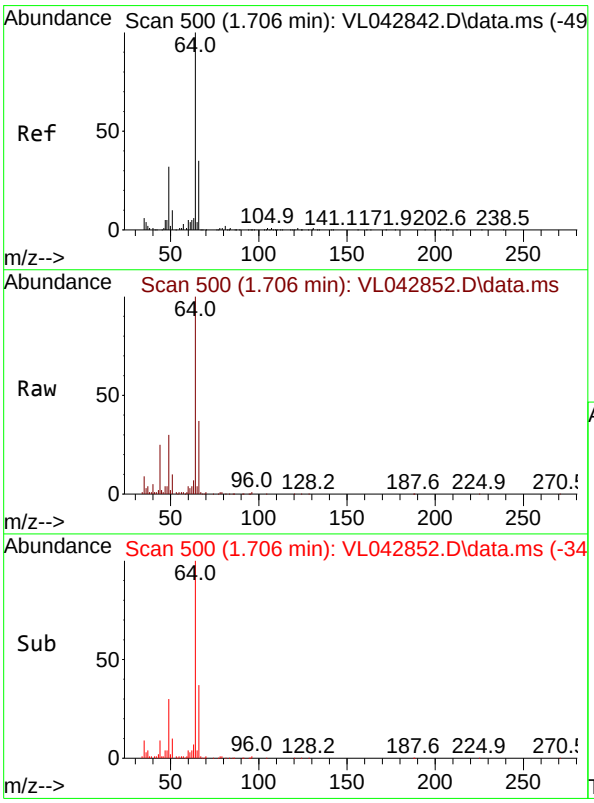
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion: 49 Resp: 118347

Ion	Ratio	Lower	Upper
49	100		
128	48.5	23.7	71.1
130	61.0	30.6	91.6

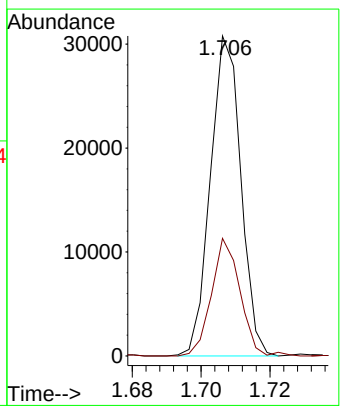


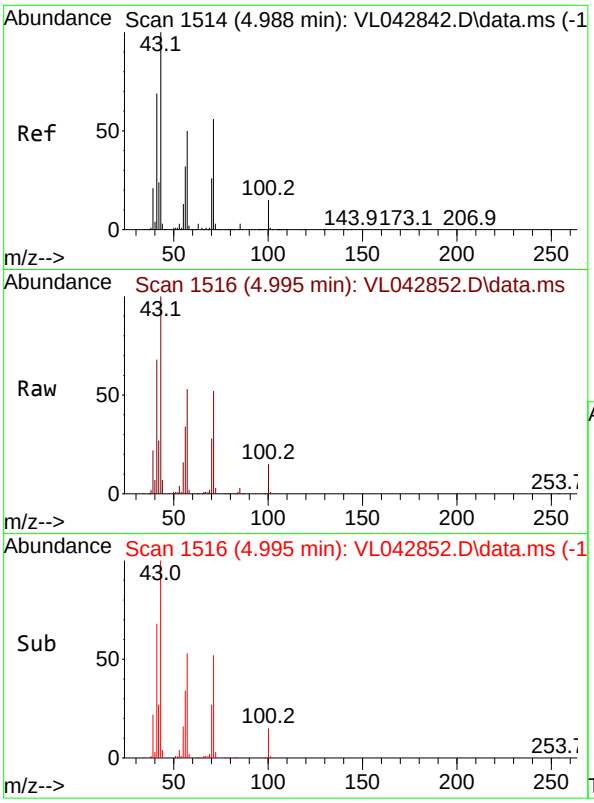


#7
Chloroethane
Concen: 7.023 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 64 Resp: 18906

Ion	Ratio	Lower	Upper
64	100		
66	36.8	28.6	42.8



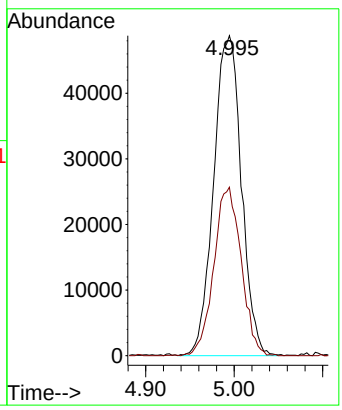


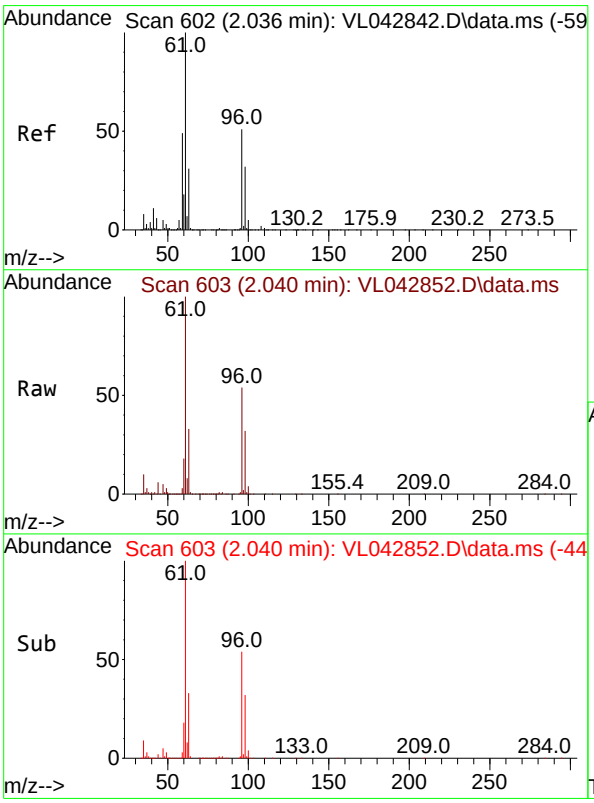
#10
Heptane
Concen: 4.797 ppbv
RT: 4.995 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion: 43 Resp: 106371

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.4	62.0

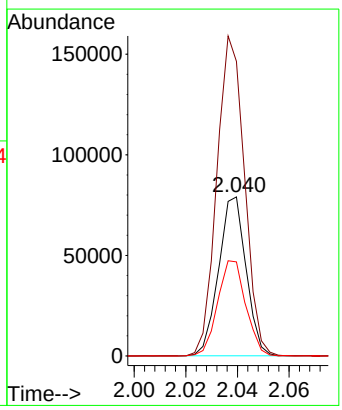


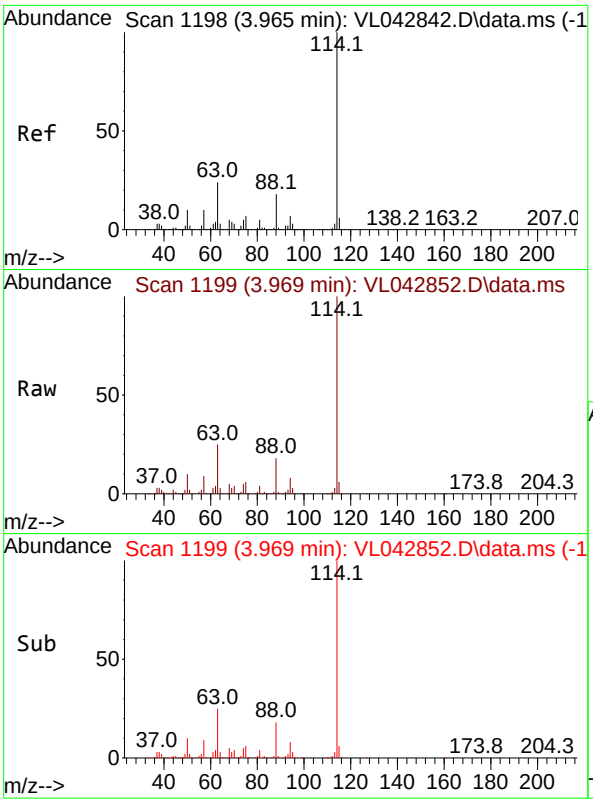


#18
1,1-Dichloroethene
Concen: 9.748 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 96 Resp: 58452

Ion	Ratio	Lower	Upper
96	100		
61	185.5	158.2	237.4
98	59.2	50.6	76.0



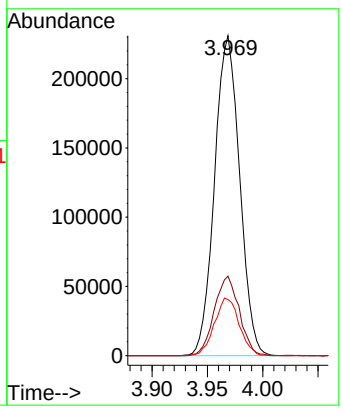


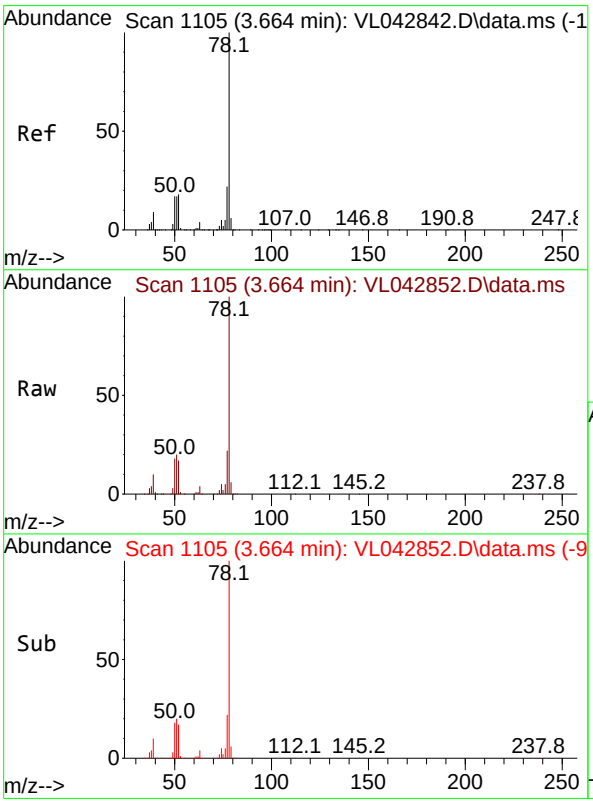
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion:114 Resp: 364683

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.7	29.5
88	17.8	14.4	21.6

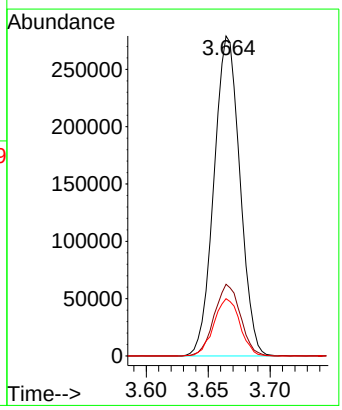


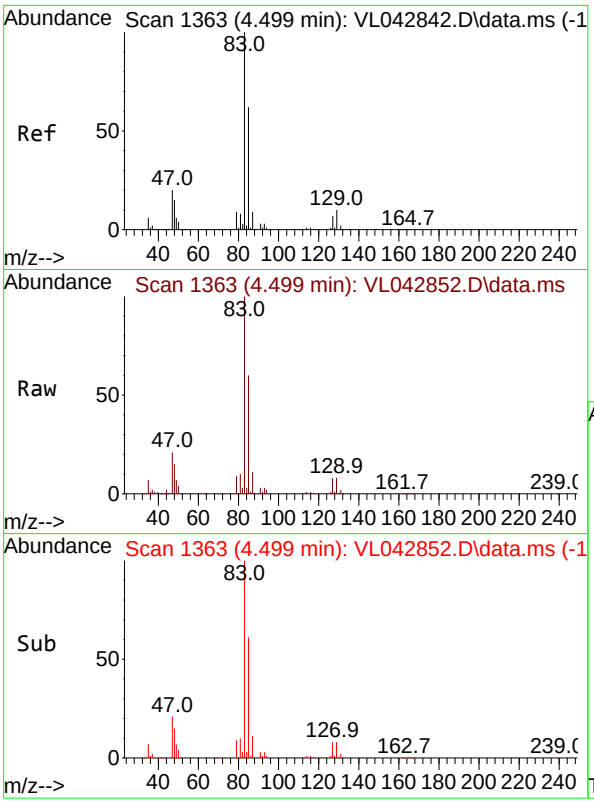


#36
Benzene
Concen: 11.670 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 78 Resp: 407528

Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.7	26.5
50	17.9	13.9	20.9



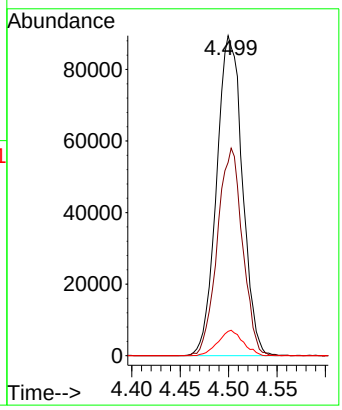


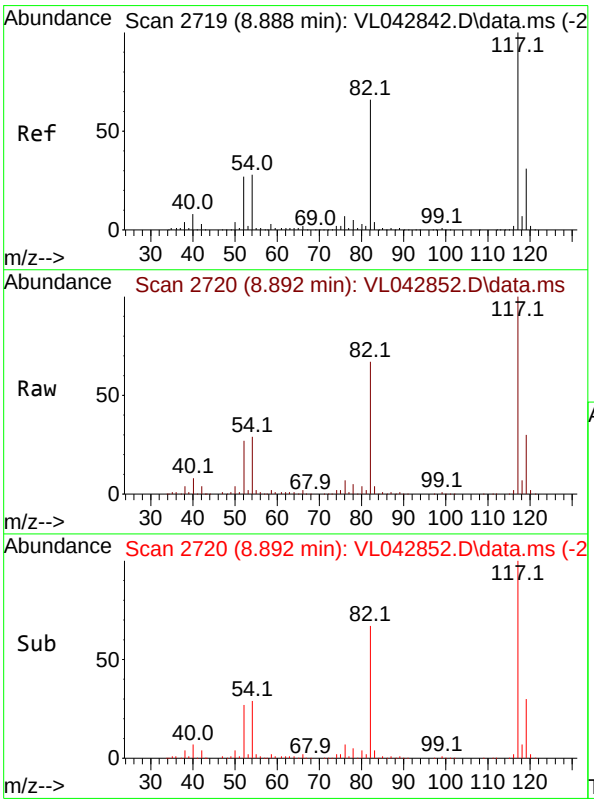
#42
Bromodichloromethane
Concen: 6.097 ppbv
RT: 4.499 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion: 83 Resp: 165750

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.8	74.8
127	7.6	5.8	8.6

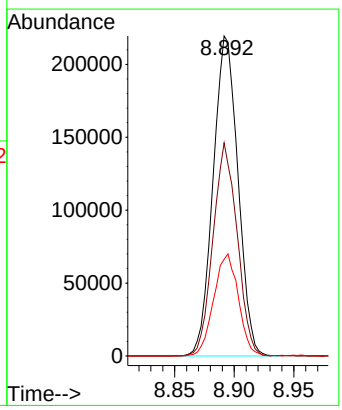


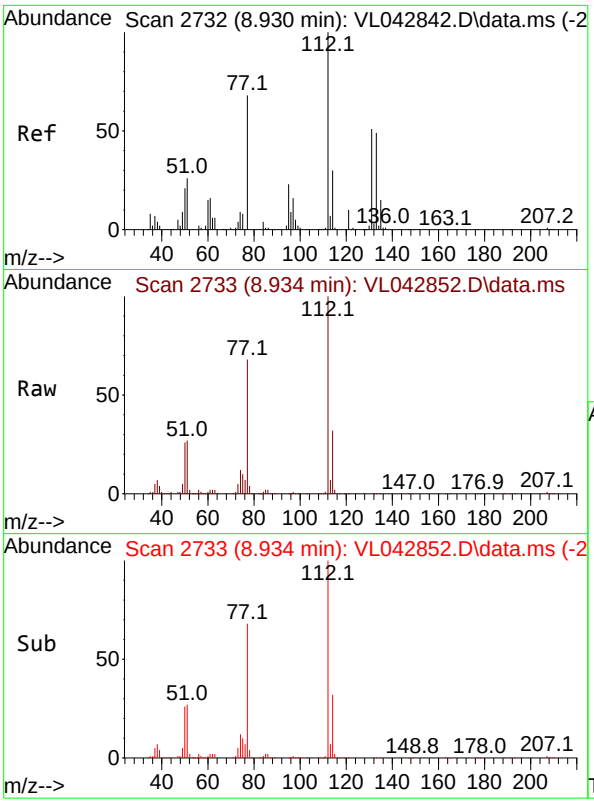


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2720
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion:117 Resp: 318426

Ion	Ratio	Lower	Upper
117	100		
82	64.7	54.6	81.8
119	31.6	25.9	38.9



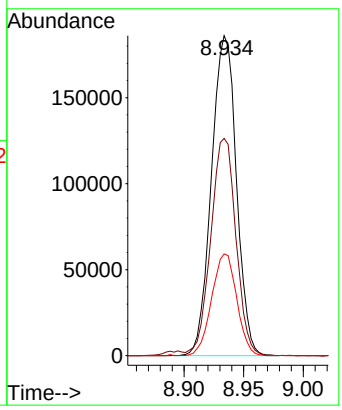


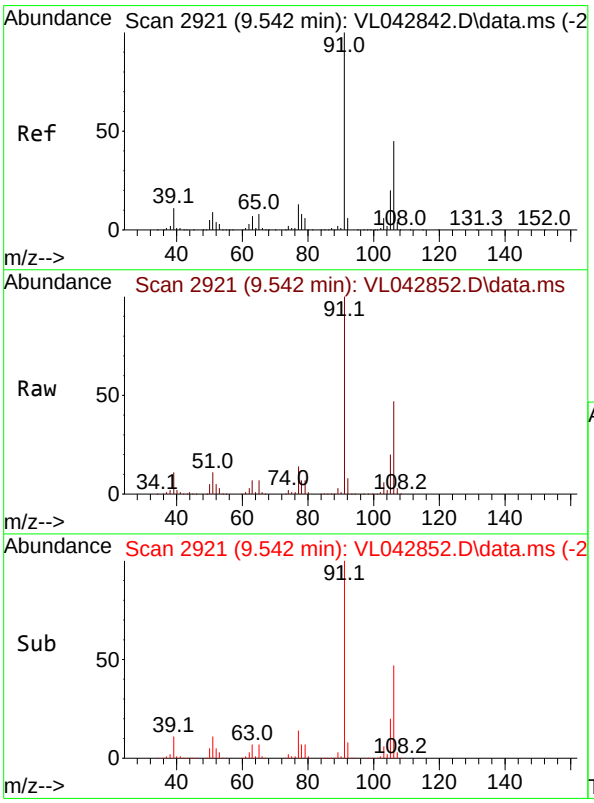
#57
Chlorobenzene
Concen: 8.963 ppbv
RT: 8.934 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion:112 Resp: 271358

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	31.8	27.2	33.2

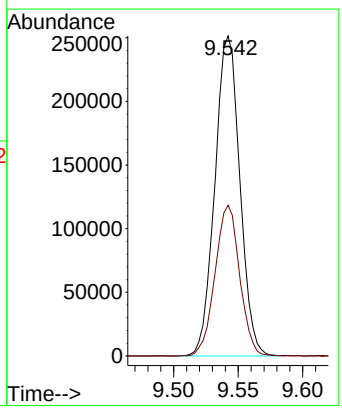


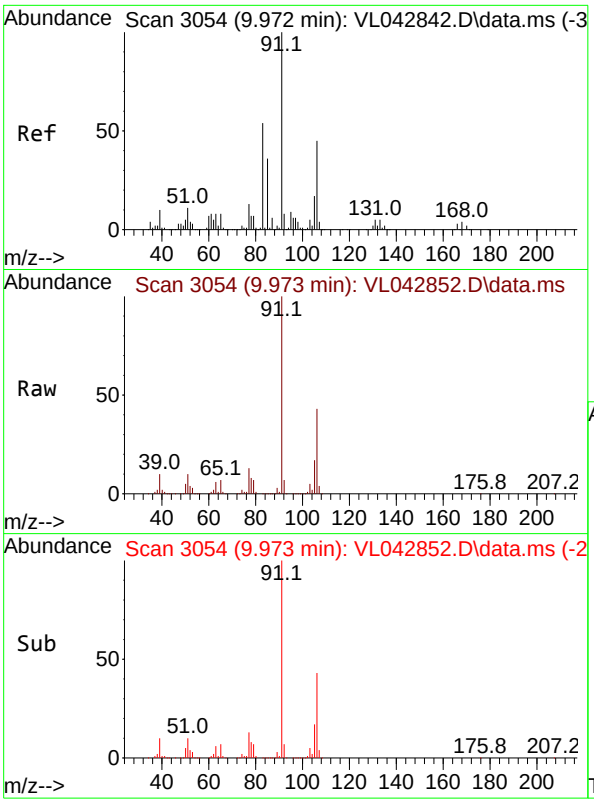


#59
m/p-Xylene
Concen: 7.674 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 91 Resp: 337995

Ion	Ratio	Lower	Upper
91	100		
106	46.4	0.0	0.0#



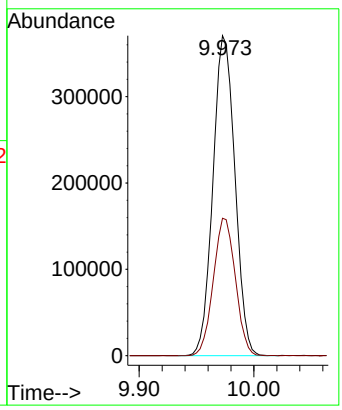


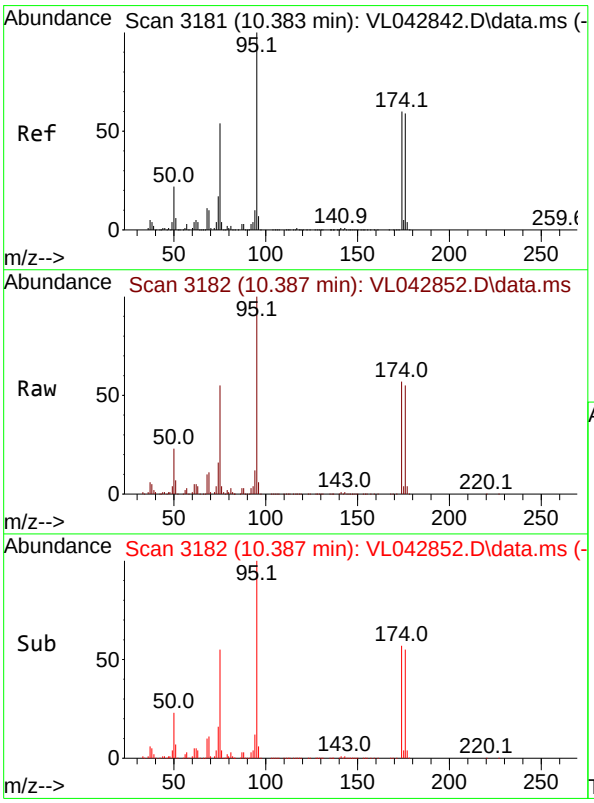
#60
o-Xylene
Concen: 11.140 ppbv
RT: 9.973 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion: 91 Resp: 493555

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.8	65.4

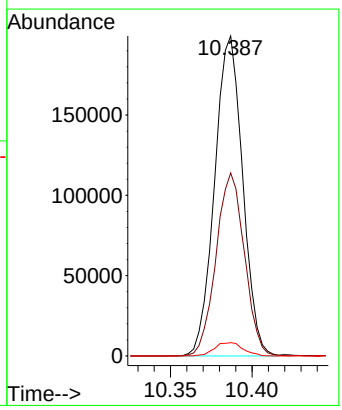


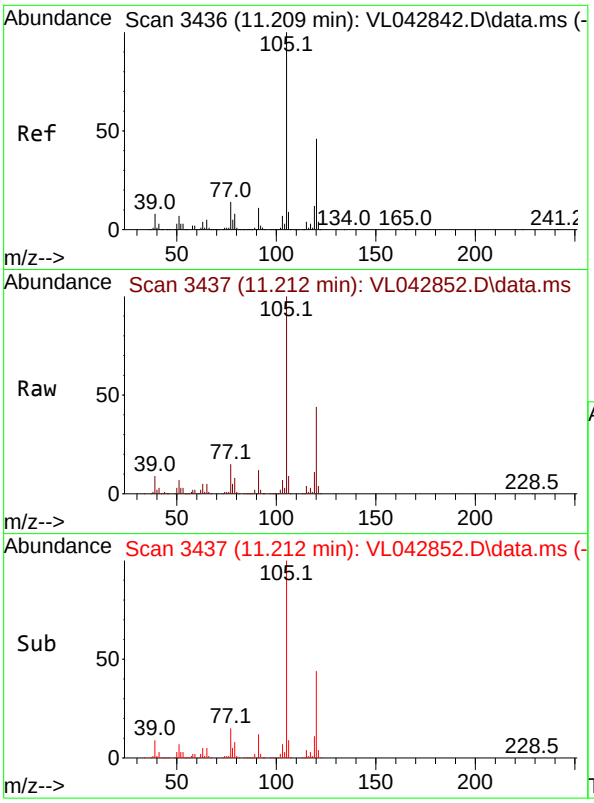


#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 95 Resp: 237748

Ion	Ratio	Lower	Upper
95	100		
174	58.0	48.4	72.6
175	4.3	3.8	5.8



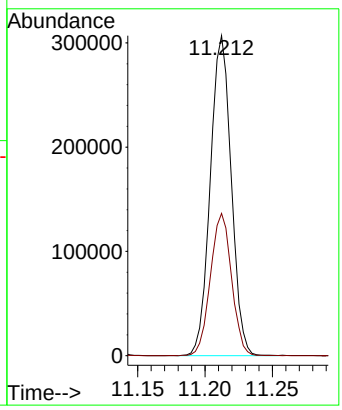


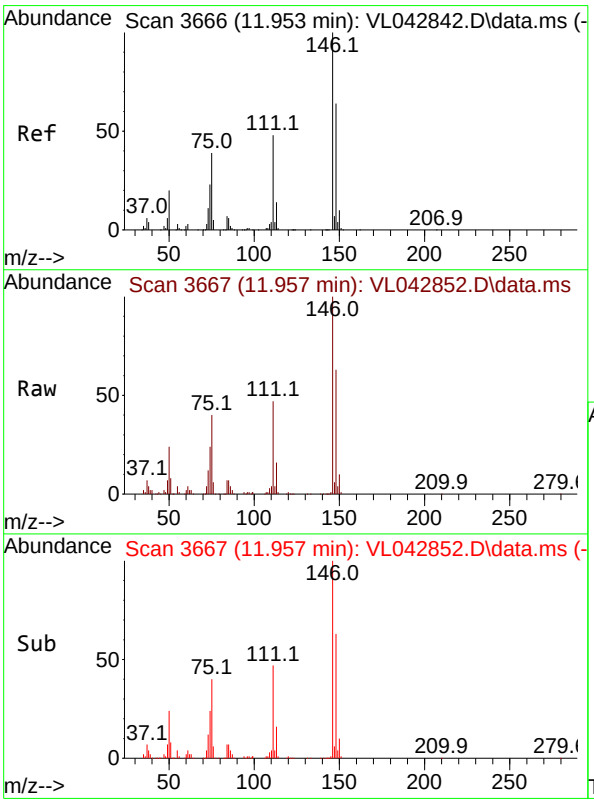
#73
1,3,5-Trimethylbenzene
Concen: 7.269 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
AE073-1100DL2

Tgt Ion:105 Resp: 331987

Ion	Ratio	Lower	Upper
105	100		
120	44.4	36.6	54.8

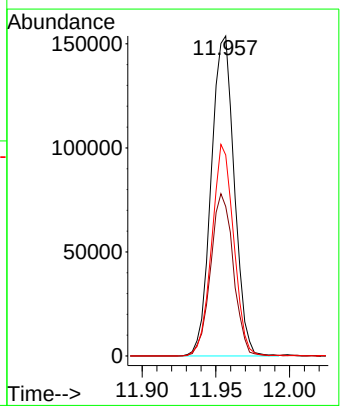




#77
1,2-Dichlorobenzene
Concen: 5.994 ppbv
RT: 11.957 min Scan# 3667
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion:146 Resp: 167278

Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.6	74.0
148	63.2	32.0	96.0



CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025
Response Via : Initial Calibration

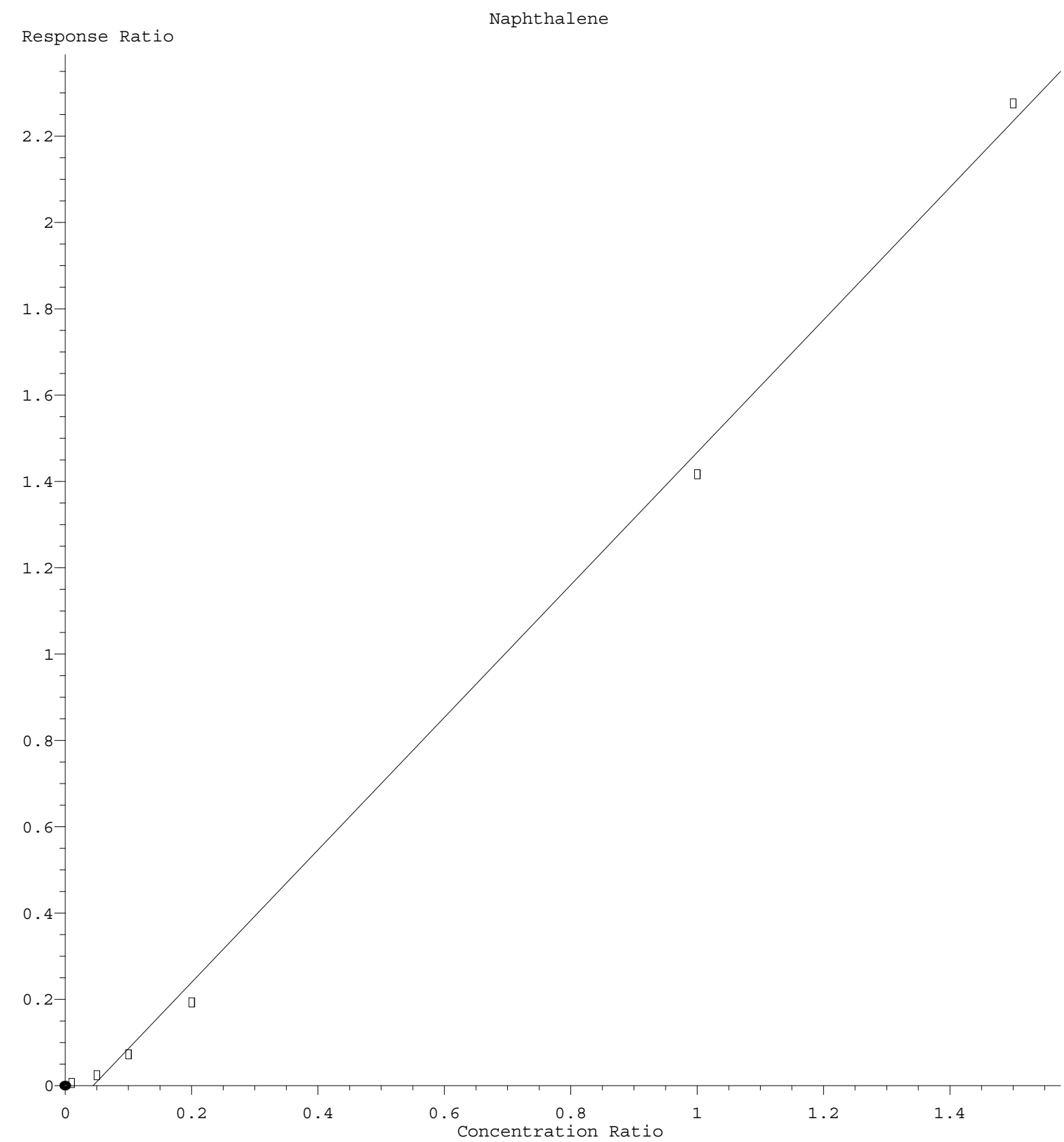
Calibration Files
0.03=VL042752.D 0.1 =VL042754.D 0.5 =VL042750.D 1 =VL042749.D 2 =VL042748.D 10 =VL042747.D 15 =VL042753.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.468	1.339	1.377	1.198	1.229	1.322	8.34
3)		Chlorodifluoro...			1.890	1.757	1.772	1.625	1.567	1.722	7.41
4)		Chloromethane			0.585	0.579	0.531	0.484	0.495	0.535	8.70
5)	T	Vinyl Chloride	0.825	0.549	0.516	0.476	0.485	0.411	0.437	0.528	26.27
6)	T	Bromomethane			0.227	0.239	0.181	0.178	0.196	0.204	13.52
7)		Chloroethane			0.278	0.196	0.189	0.177	0.181	0.204	20.51
8)	T	Dichlorotetraf...			1.186	1.130	1.123	0.980	1.017	1.087	7.89
9)	T	Propene			0.621	0.662	0.681	0.594	0.572	0.626	7.25
10)	T	Heptane			1.719	1.672	1.780	1.633	1.635	1.688	3.68
11)	T	Trichlorofluor...			1.457	1.435	1.412	1.226	1.285	1.363	7.47
12)	T	1,1,2-Trichlor...			1.115	1.063	1.069	0.940	0.991	1.036	6.67
13)		Ethanol			0.141	0.104	0.073	0.050	0.049	0.083	46.80
14)	T	Bromoethene			0.393	0.379	0.381	0.337	0.343	0.367	6.76
15)	T	Acetone			1.853	1.479	1.521	0.998	1.054	1.381	25.75
16)	T	1,3-Butadiene			0.726	0.602	0.583	0.509	0.524	0.589	14.57
17)		tert-Butyl alc...			1.366	1.275	1.265	1.165	1.156	1.245	7.01
18)	T	1,1-Dichloroet...			0.536	0.530	0.453	0.404	0.417	0.468	13.20
19)	T	Isopropyl Alcohol			0.857	0.764	0.726	0.659	0.663	0.734	11.12
20)	T	Methylene Chlo...			0.595	0.458	0.419	0.337	0.367	0.435	23.16
21)	T	Allyl Chloride			0.903	0.856	0.876	0.798	0.821	0.851	4.92
22)	T	trans-1,2-Dich...			0.553	0.506	0.523	0.460	0.475	0.503	7.46
23)	T	Vinyl Acetate			1.643	1.502	1.688	1.704	1.833	1.674	7.14
24)	T	1,1-Dichloroet...			1.053	1.117	1.071	0.945	0.981	1.033	6.75
25)	T	Ethyl Acetate			3.125	3.122	3.212	2.954	2.870	3.056	4.57
26)	T	Hexane			1.325	1.425	1.433	1.281	1.240	1.341	6.43
27)	T	Carbon Disulfide			1.146	1.183	1.165	1.088	1.157	1.148	3.13
28)	T	Methyl tert-Bu...			0.653	0.613	0.650	0.556	0.696	0.633	8.28
29)	T	Chloroform			2.261	2.104	2.136	1.915	1.943	2.072	6.92
30)	T	Cyclohexane			1.137	1.140	1.201	1.125	1.083	1.137	3.74
31)	T	cis-1,2-Dichlo...			1.459	1.406	1.414	1.306	1.304	1.378	5.05
32)	T	1,1,1-Trichlor...	2.522	2.330	2.133	2.048	2.132	1.957	1.985	2.158	9.39
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.730	0.713	0.761	0.663	0.675	0.708	5.64
35)	T	Carbon Tetrach...	0.950	0.692	0.681	0.709	0.735	0.701	0.731	0.743	12.56
36)	T	Benzene			0.976	0.971	0.995	0.896	0.900	0.948	4.86
37)	T	1,2-Dichloroet...			0.595	0.585	0.584	0.537	0.553	0.571	4.34
38)	T	Trichloroethene	0.511	0.503	0.452	0.459	0.445	0.408	0.409	0.455	8.97
39)	T	1,2-Dichloropr...			0.371	0.362	0.363	0.324	0.330	0.350	6.13

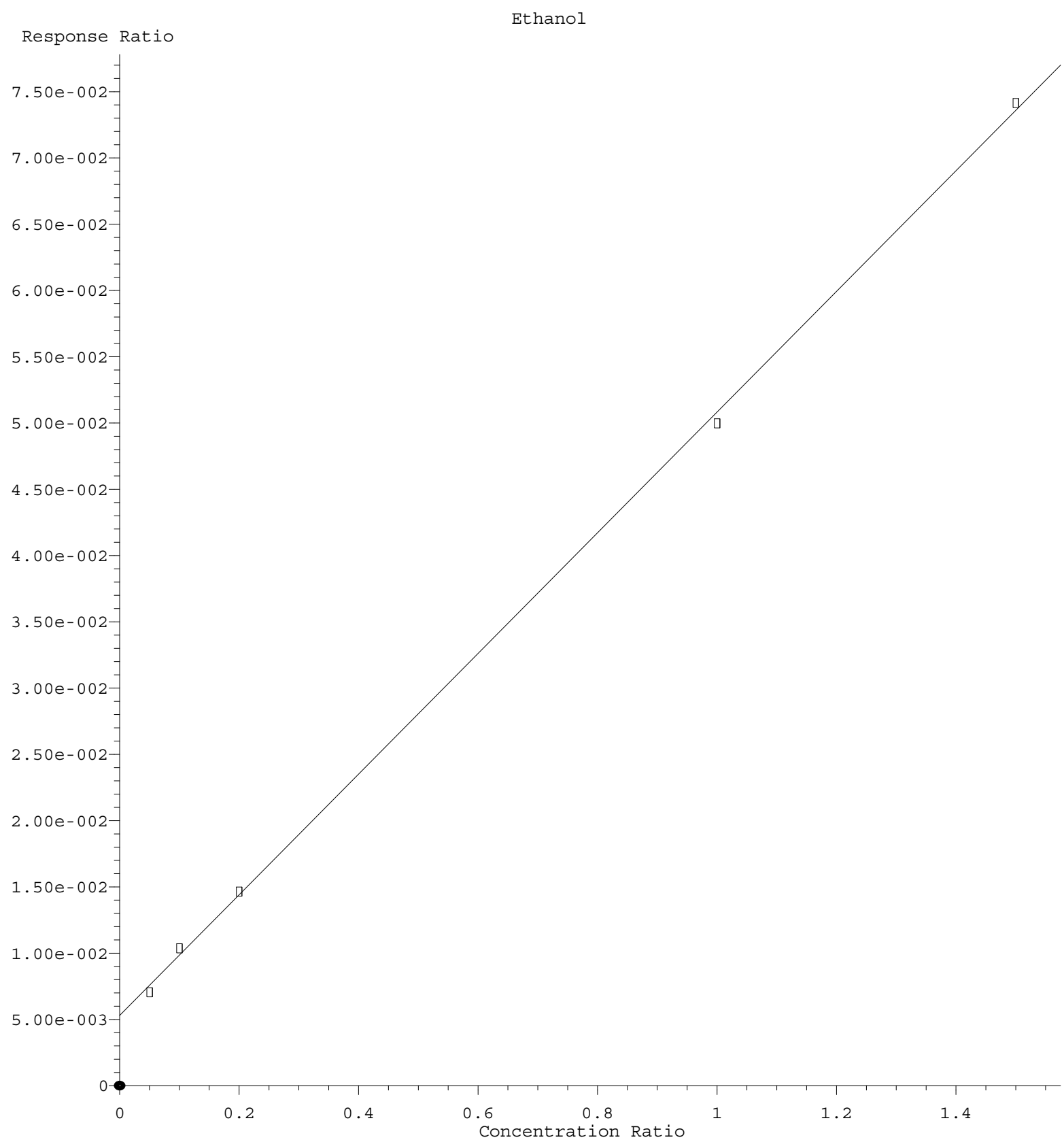
Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL072325AIR.M

40)	T	1,4-Dioxane			0.177	0.170	0.174	0.141	0.153	0.163	9.36
41)	T	Tetrahydrofuran			0.361	0.350	0.367	0.362	0.362	0.360	1.74
42)	T	Bromodichlorom...			0.720	0.761	0.755	0.723	0.759	0.744	2.75
43)		Methyl Methacr...			0.321	0.324	0.331	0.348	0.361	0.337	5.05
44)	T	2,2,4-Trimethy...			1.515	1.585	1.634	1.486	1.503	1.545	4.03
45)	T	t-1,3-Dichloro...			0.357	0.340	0.375	0.402	0.415	0.378	8.21
46)	T	cis-1,3-Dichlo...			0.435	0.459	0.479	0.507	0.514	0.479	6.95
47)	T	1,1,2-Trichlor...			0.393	0.384	0.385	0.347	0.356	0.373	5.41
48)	T	Dibromochlorom...			0.569	0.571	0.600	0.600	0.619	0.592	3.61
49)	T	Bromoform			0.483	0.502	0.517	0.529	0.549	0.516	4.87
50)	T	4-Methyl-2-Pen...			0.876	0.907	0.956	0.895	0.928	0.912	3.39
51)	T	2-Hexanone			0.573	0.647	0.744	0.726	0.757	0.690	11.25
52)	T	Tetrachloroethene	0.504	0.422	0.374	0.394	0.378	0.339	0.339	0.393	14.53
53)	T	Toluene			0.954	0.993	1.074	1.022	1.045	1.018	4.55
54)	T	1,2-Dibromoethane		0.498	0.550	0.531	0.539	0.514	0.529	0.527	3.51
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.548	0.520	0.541	0.484	0.508	0.520	4.96
57)	T	Chlorobenzene			1.019	1.019	1.016	0.879	0.905	0.968	7.22
58)	T	Ethyl Benzene			1.426	1.548	1.744	1.551	1.627	1.579	7.40
59)	T	m/p-Xylene			1.151	1.275	1.354	1.234	1.296	1.262	6.00
60)	T	o-Xylene			1.155	1.280	1.381	1.225	1.264	1.261	6.55
61)	T	Styrene			0.450	0.495	0.552	0.561	0.594	0.531	10.81
62)		Isopropylbenzene			1.722	1.885	2.034	1.793	1.866	1.860	6.27
63)	T	1,1,2,2-Tetrac...	1.105	0.785	0.761	0.795	0.803	0.693	0.726	0.810	16.82
64)		n-propylbenzene			0.437	0.490	0.533	0.469	0.496	0.485	7.31
65)		tert-Butylbenzene			1.496	1.669	1.839	1.606	1.652	1.652	7.52
66)	T	Benzyl Chloride			0.114	0.115	0.128	0.159	0.163	0.136	17.43
67)		sec-Butylbenzene			2.162	2.474	2.592	2.225	2.297	2.350	7.61
68)	S	1-Bromo-4-Fluo...	0.780	0.759	0.782	0.799	0.805	0.801	0.818	0.792	2.50
69)		p-Isopropyltol...			1.620	1.907	2.137	1.928	1.989	1.916	9.83
70)		n-Butylbenzene			1.422	1.811	2.090	1.939	1.994	1.851	14.06
71)		2-Chlorotoluene			1.331	1.444	1.522	1.385	1.451	1.426	5.08
72)	T	4-Ethyltoluene			1.292	1.493	1.632	1.524	1.589	1.506	8.74
73)	T	1,3,5-Trimethy...			1.096	1.193	1.315	1.275	1.321	1.240	7.70
74)	T	1,2,4-Trimethy...			1.115	1.345	1.489	1.384	1.432	1.353	10.61
75)	T	1,3-Dichlorobe...			0.914	0.970	1.038	0.887	0.933	0.948	6.14
76)	T	1,4-Dichlorobe...			0.862	0.927	1.016	0.896	0.940	0.928	6.19
77)	T	1,2-Dichlorobe...			0.920	0.996	1.002	0.848	0.894	0.932	7.10
78)	T	Hexachloro-1,3...			0.897	0.908	0.953	0.712	0.748	0.844	12.62
79)	T	Naphthalene		0.638	0.485	0.727	0.964	1.417	1.517	0.958	44.34
80)	T	Naphthalene,2-...			0.036	0.048	0.071	0.685	0.790	0.326	115.91
81)	T	1,2,4-Trichlor...			0.365	0.535	0.627	0.800	0.849	0.635	31.11

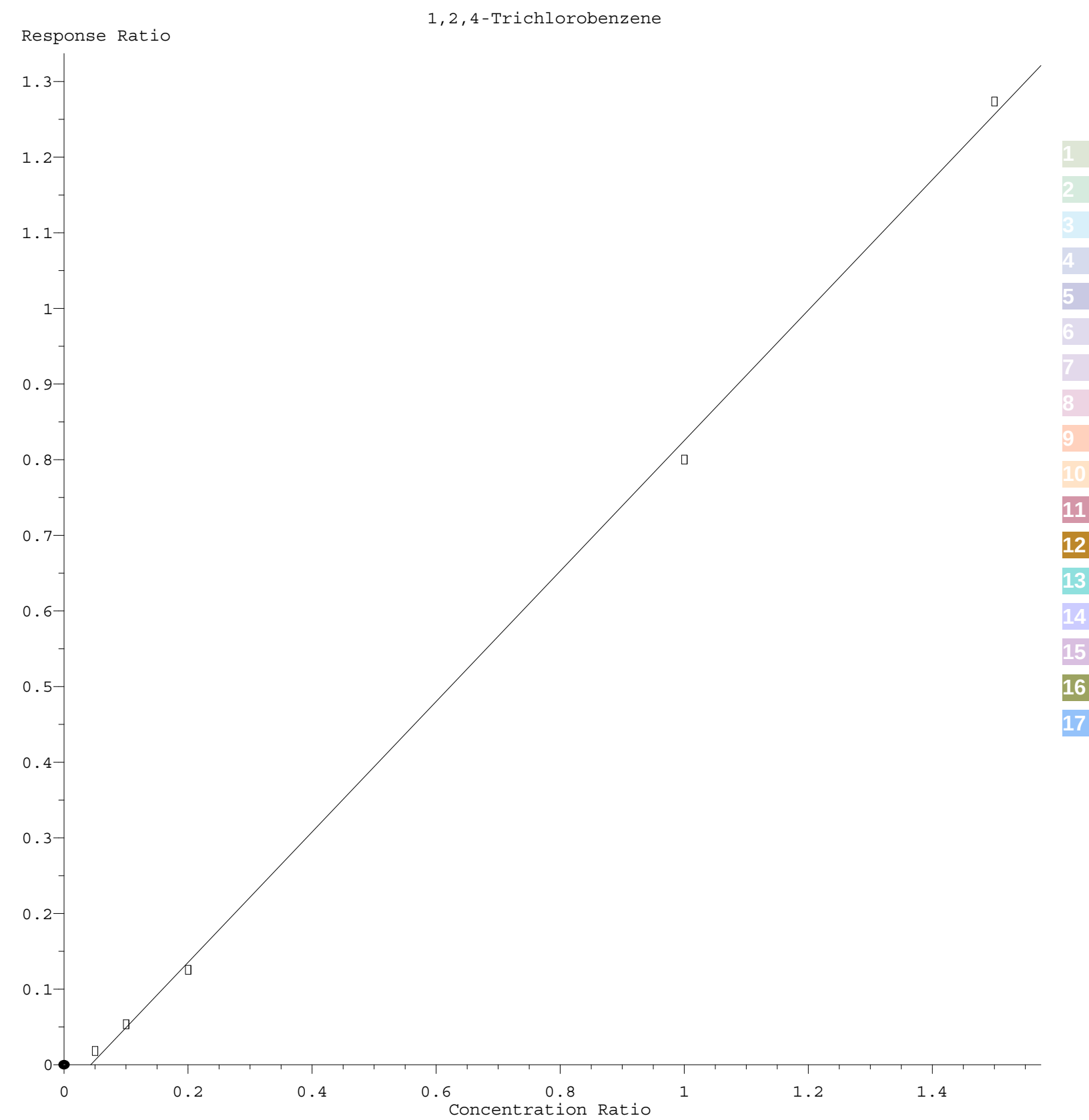
(#) = Out of Range



Response = 1.535e+000 * Amt - 6.678e-002
Coef of Det (r^2) = 0.997757 Curve Fit: Linear
Method: T:\cmsvr\cmsrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Calibration Table Last Updated: Thu Jul 24 05:24:41 2025



Response = 4.558e-002 * Amt + 5.251e-003
Coef of Det (r^2) = 0.999534 Curve Fit: Linear
Method: \\chemsrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Calibration Table Last Updated: Thu Jul 24 05:24:41 2025



Response = 8.625e-001 * Amt - 3.751e-002
Coef of Det (r^2) = 0.999044 Curve Fit: Linear
Method Name: T:\vmsrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Calibration Table Last Updated: Thu Jul 24 05:24:41 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	159080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	462763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	422206	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	338271	10.117	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	190592	9.062	ppbv	100
3) Chlorodifluoromethane	1.476	51	258542	9.436	ppbv	100
4) Chloromethane	1.531	50	77006	9.050	ppbv	100
5) Vinyl Chloride	1.580	62	65346	7.773	ppbv	100
6) Bromomethane	1.667	94	28292	8.705	ppbv	100
7) Chloroethane	1.703	64	28085	8.646	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	155875	9.011	ppbv	100
9) Propene	1.483	41	94480	9.488	ppbv	100
10) Heptane	4.975	43	259821	9.701	ppbv	100
11) Trichlorofluoromethane	1.878	101	194964	8.992	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	149612	9.081	ppbv	100
13) Ethanol	1.719	45	7949	9.867	ppbv	97
14) Bromoethene	1.780	108	53625	9.193	ppbv	100
15) Acetone	1.835	43	158714	7.225	ppbv	100
16) 1,3-Butadiene	1.609	39	80968	8.642	ppbv	100
17) tert-Butyl alcohol	2.039	59	185262	9.351	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64224	8.627	ppbv	100
19) Isopropyl Alcohol	1.884	45	104903	8.987	ppbv	100
20) Methylene Chloride	2.059	84	53581	7.740	ppbv	100
21) Allyl Chloride	2.094	41	127021	9.382	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	73152	9.148	ppbv	100
23) Vinyl Acetate	2.460	43	271125	10.181	ppbv	100
24) 1,1-Dichloroethane	2.408	63	150257	9.141	ppbv	100
25) Ethyl Acetate	2.832	43	469997	9.666	ppbv	100
26) Hexane	2.826	57	203800	9.555	ppbv	100
27) Carbon Disulfide	2.149	76	173105	9.480	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	88372	8.770	ppbv	100
29) Chloroform	2.845	83	304670	9.244	ppbv	100
30) Cyclohexane	3.852	84	178948	9.892	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	207751	9.479	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	311368	9.069	ppbv	100
34) 2-Butanone	2.554	43	306858	9.361	ppbv	100
35) Carbon Tetrachloride	3.758	117	324501	9.436	ppbv	100
36) Benzene	3.654	78	414863	9.459	ppbv	100
37) 1,2-Dichloroethane	3.217	62	248414	9.403	ppbv	100
38) Trichloroethene	4.545	130	188750	8.926	ppbv	100
39) 1,2-Dichloropropane	4.311	63	149771	9.251	ppbv	100
40) 1,4-Dioxane	4.580	88	65413	8.569	ppbv #	100
41) Tetrahydrofuran	3.049	42	167323	10.160	ppbv	100
42) Bromodichloromethane	4.483	83	334531	9.713	ppbv	100
43) Methyl Methacrylate	4.875	69	161053	10.331	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	687885	9.623	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185965	10.633	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	234594	10.587	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	160431	9.297	ppbv	100
48) Dibromochloromethane	7.383	129	277832	10.141	ppbv	100
49) Bromoform	9.480	173	244997	10.256	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	413966	9.914	ppbv	100
51) 2-Hexanone	7.432	43	336048	10.532	ppbv	100
52) Tetrachloroethene	8.225	164	156930	8.609	ppbv	100
53) Toluene	6.930	91	472953	10.042	ppbv	100
54) 1,2-Dibromoethane	7.648	107	238045	9.745	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	204205	9.302	ppbv	100
57) Chlorobenzene	8.920	112	371117	9.082	ppbv	100
58) Ethyl Benzene	9.354	91	655020	9.824	ppbv	100
59) m/p-Xylene	9.552	91	1042332m	19.555	ppbv	
60) o-Xylene	9.963	91	517292	9.715	ppbv	100
61) Styrene	9.869	104	236709	10.568	ppbv	100
62) Isopropylbenzene	10.539	105	757219	9.641	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	292568	8.434	ppbv	100
64) n-propylbenzene	10.989	120	198109	9.675	ppbv	100
65) tert-Butylbenzene	11.529	119	678174	9.721	ppbv	100
66) Benzyl Chloride	11.617	91	66954	11.691	ppbv	100
67) sec-Butylbenzene	11.765	105	939396	9.468	ppbv	100
69) p-Isopropyltoluene	11.924	119	814010	10.061	ppbv	100
70) n-Butylbenzene	12.280	91	818457	10.473	ppbv	100
71) 2-Chlorotoluene	10.898	91	584629	9.708	ppbv	100
72) 4-Ethyltoluene	11.125	105	643519	10.120	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	538451	10.285	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	584447	10.232	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	374587	9.355	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	378093	9.649	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	358206	9.102	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	300801	8.444	ppbv	100
79) Naphthalene	13.513	128	598108	9.665	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	289412	9.404	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	337776	9.710	ppbv	100

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

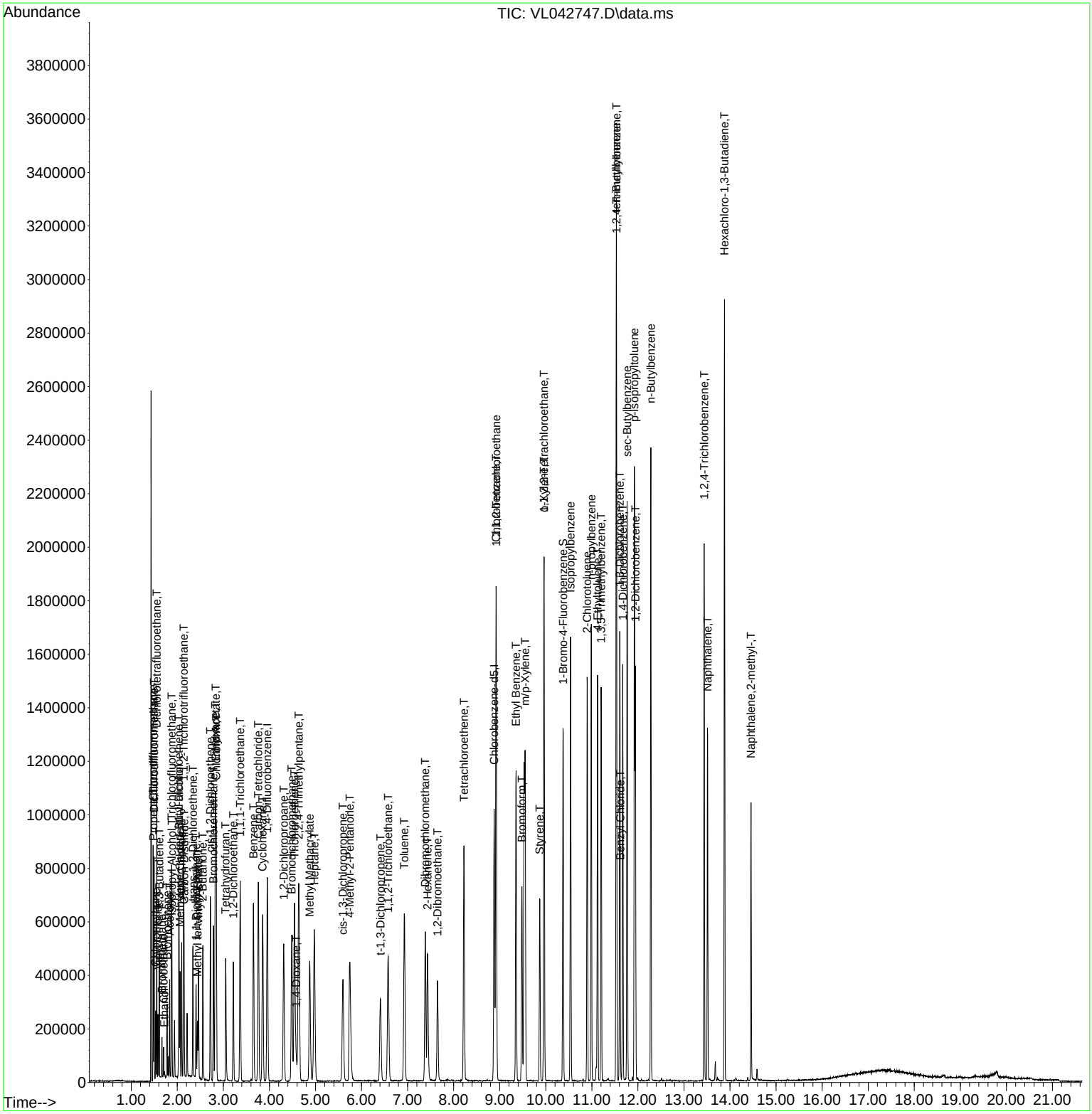
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

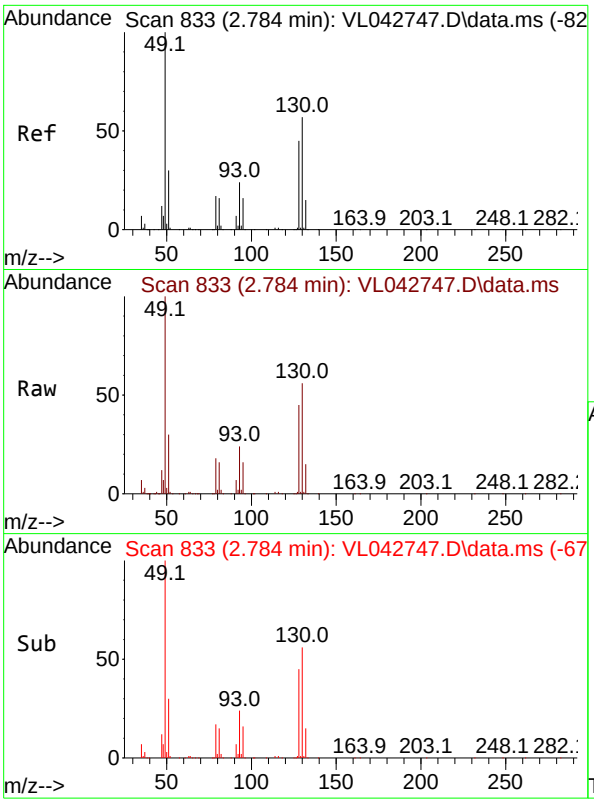
Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

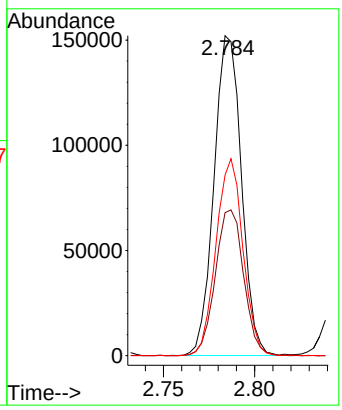




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 49 Resp: 15908

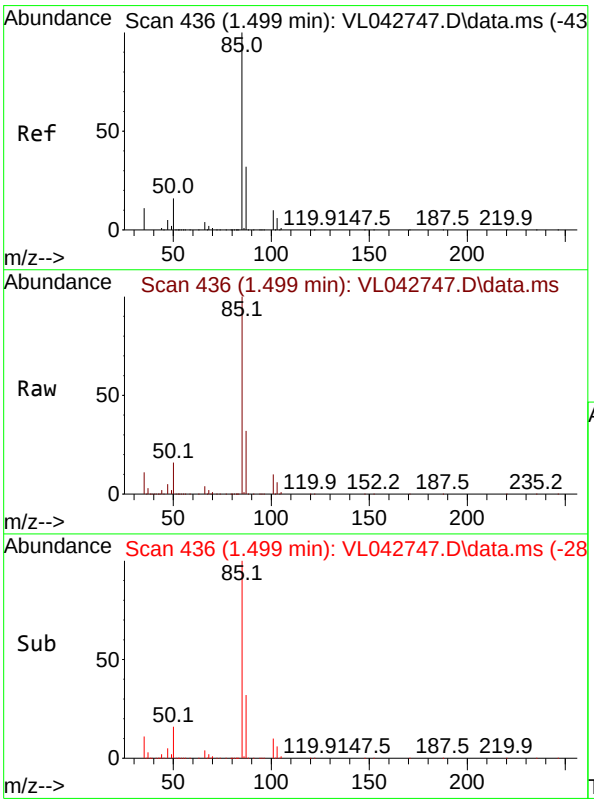
Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.6	71.0
130	60.5	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

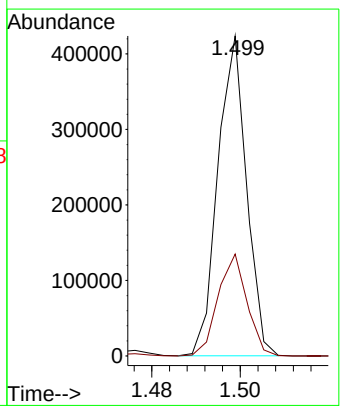
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

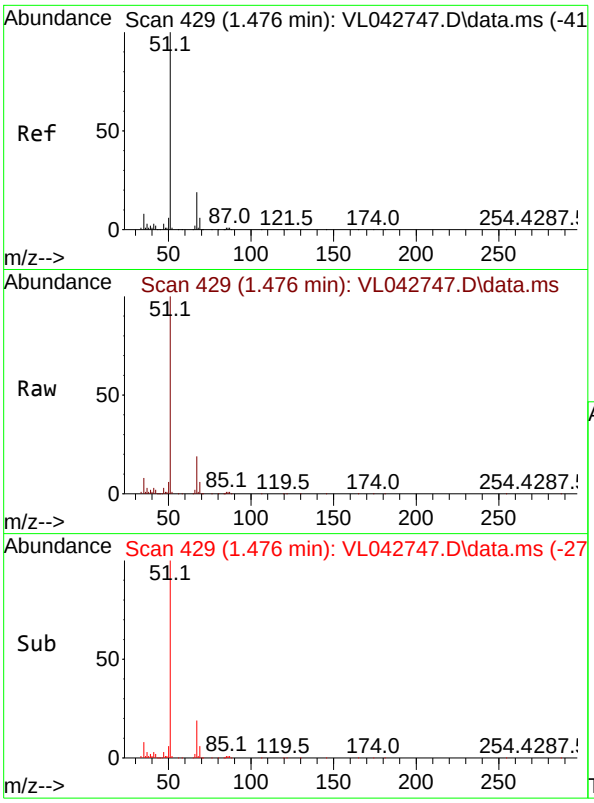


#2
Dichlorodifluoromethane
Concen: 9.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 190592

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2

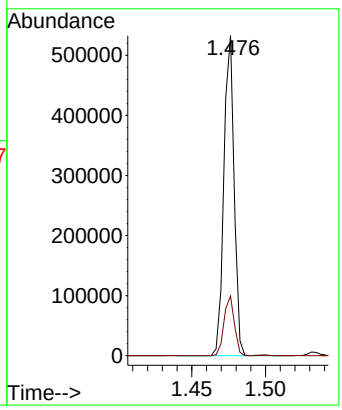




#3
Chlorodifluoromethane
Concen: 9.436 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 51 Resp: 25854

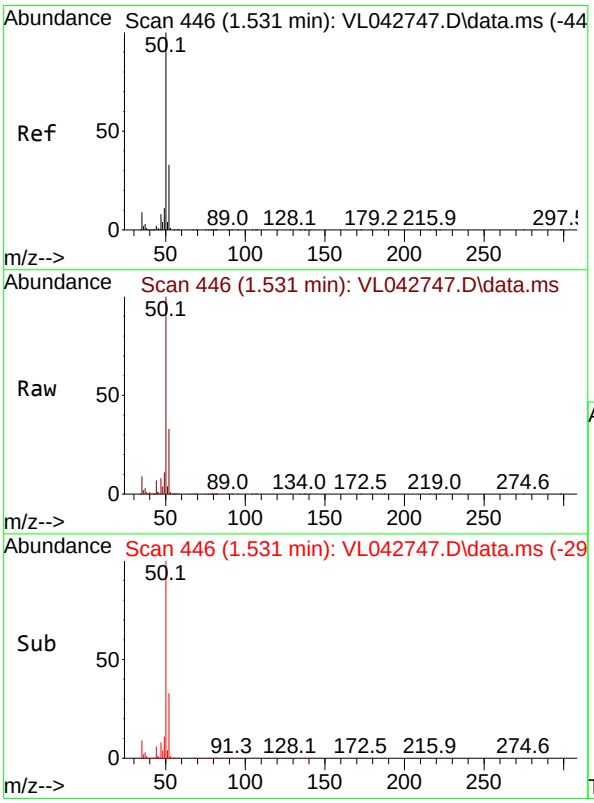
Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

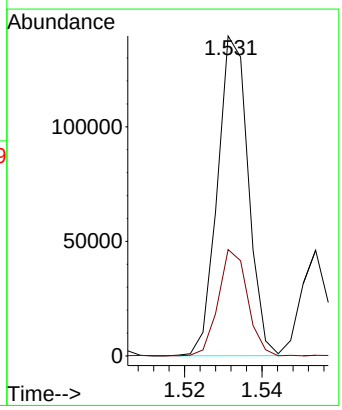
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

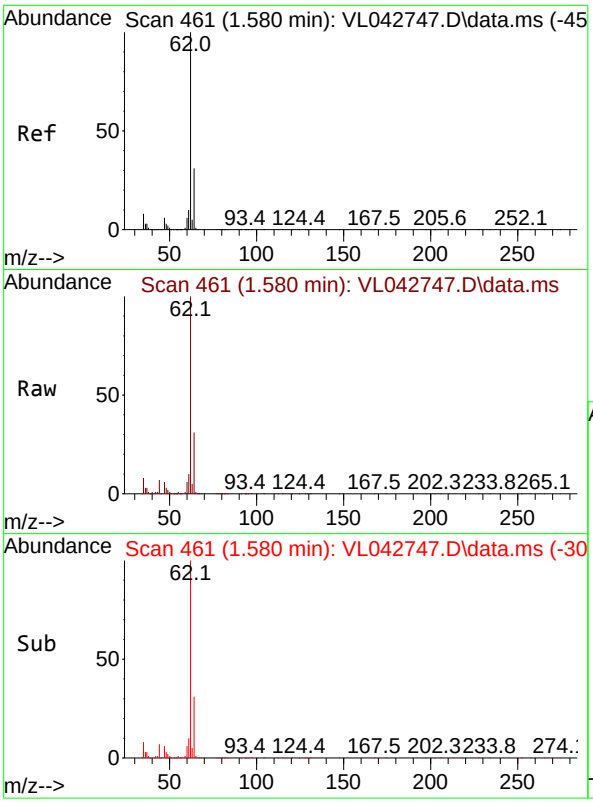


#4
Chloromethane
Concen: 9.050 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 50 Resp: 77006

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

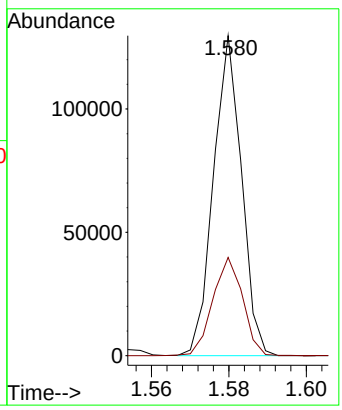




#5
Vinyl Chloride
Concen: 7.773 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 62 Resp: 6534

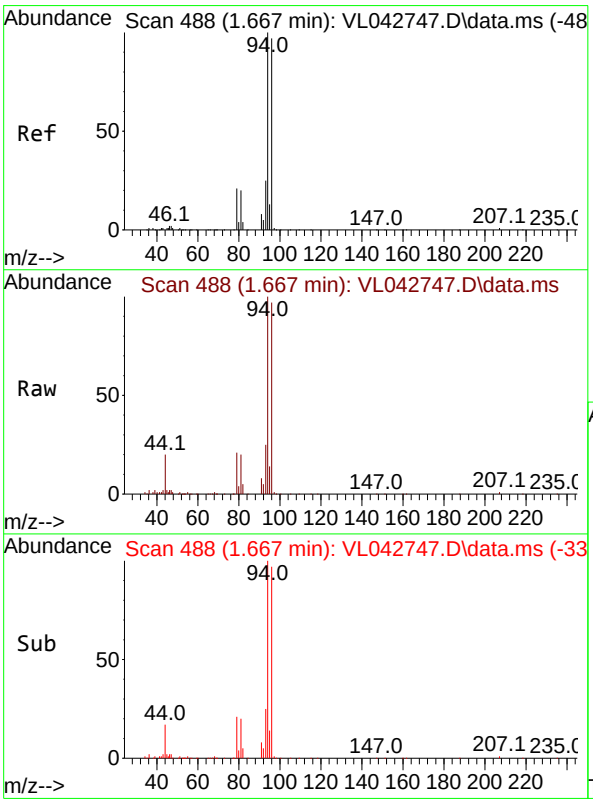
Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

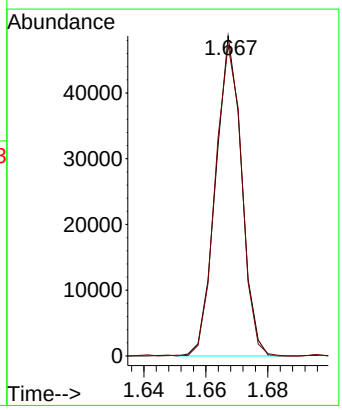
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

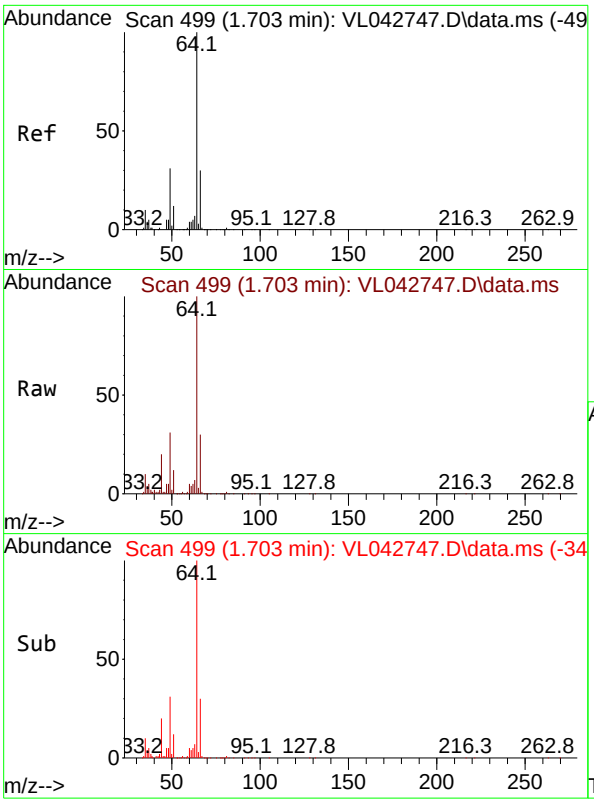


#6
Bromomethane
Concen: 8.705 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 94 Resp: 28292

Ion	Ratio	Lower	Upper
94	100		
96	97.0	77.6	116.4

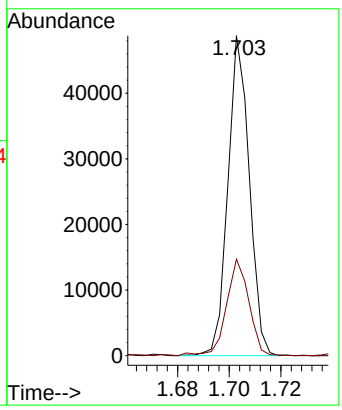




#7
Chloroethane
Concen: 8.646 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 64 Resp: 2808

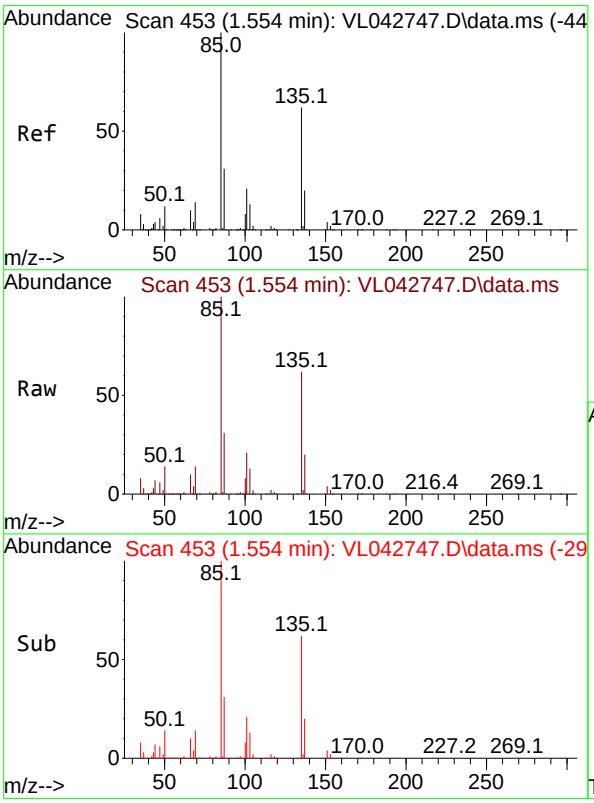
Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

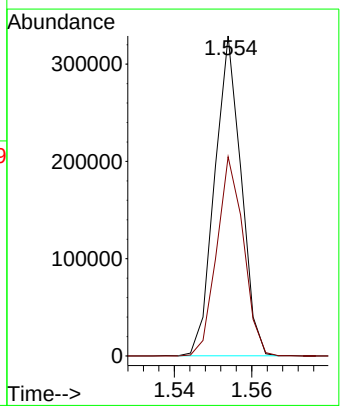
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

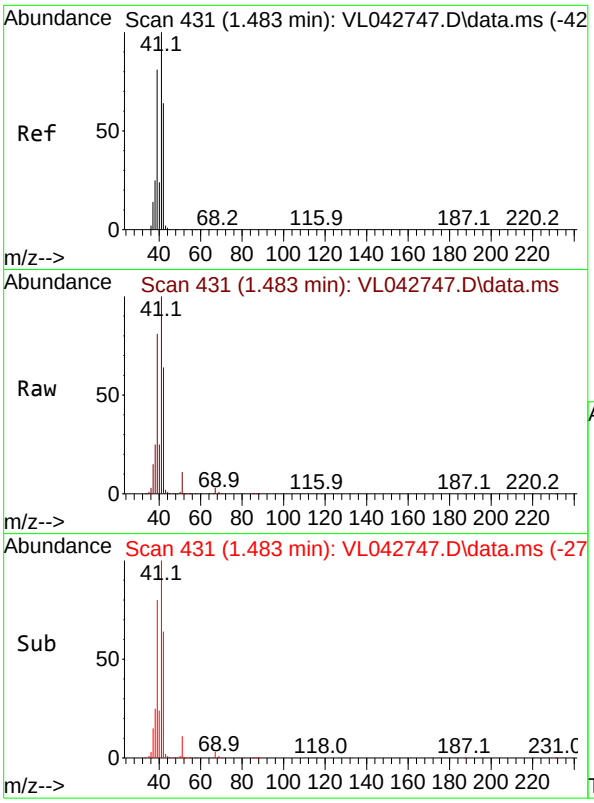


#8
Dichlorotetrafluoroethane
Concen: 9.011 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 155875

Ion	Ratio	Lower	Upper
85	100		
135	63.3	50.6	76.0

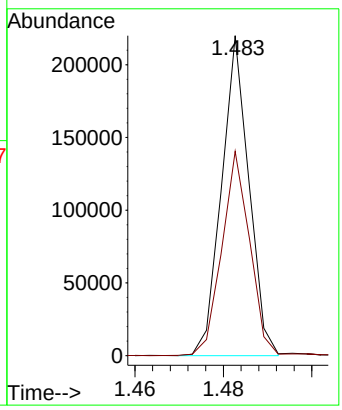




#9
Propene
Concen: 9.488 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 41 Resp: 9448

Ion	Ratio	Lower	Upper
41	100		
42	66.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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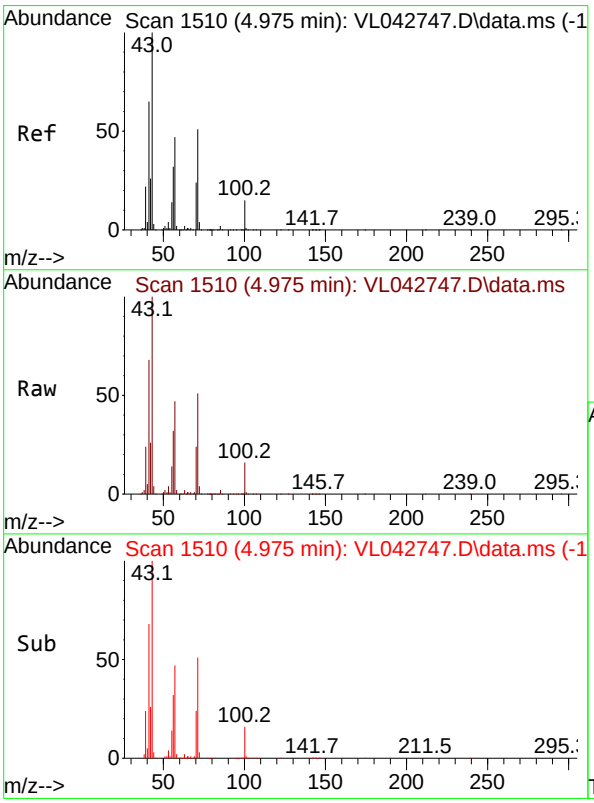
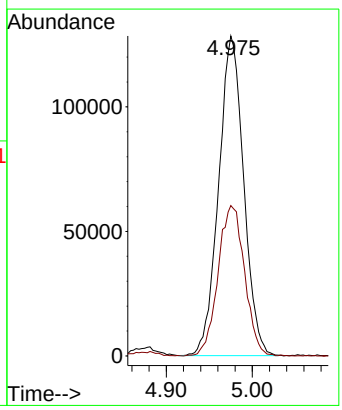
Supervised By :Mahesh Dadoda 07/24/2025

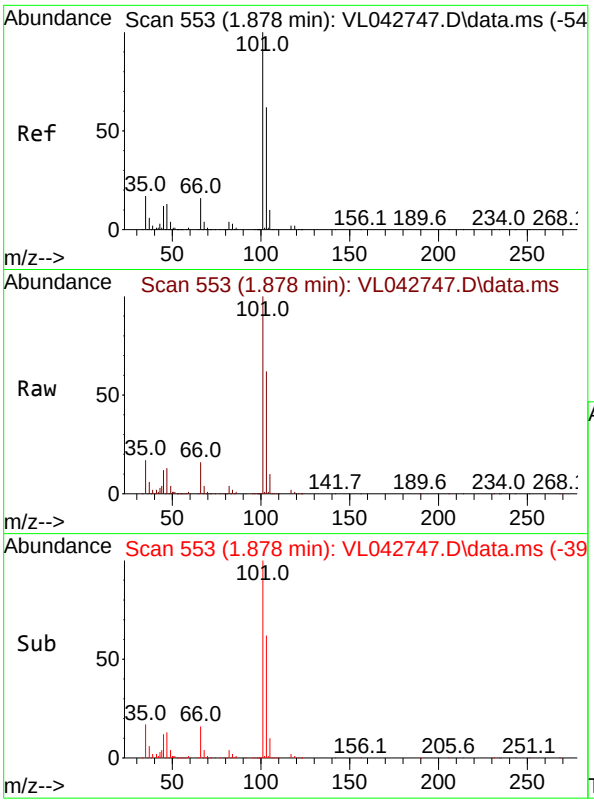


#10
Heptane
Concen: 9.701 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 259821

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9

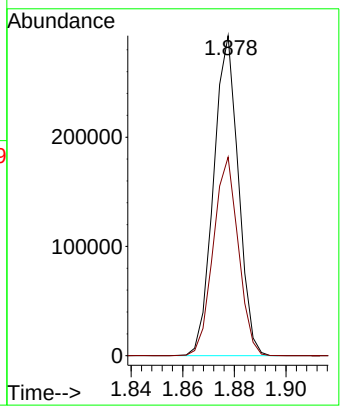




#11
Trichlorofluoromethane
Concen: 8.992 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 19496

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4



Instrument :
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ClientSampleId :
VSTDICCC010

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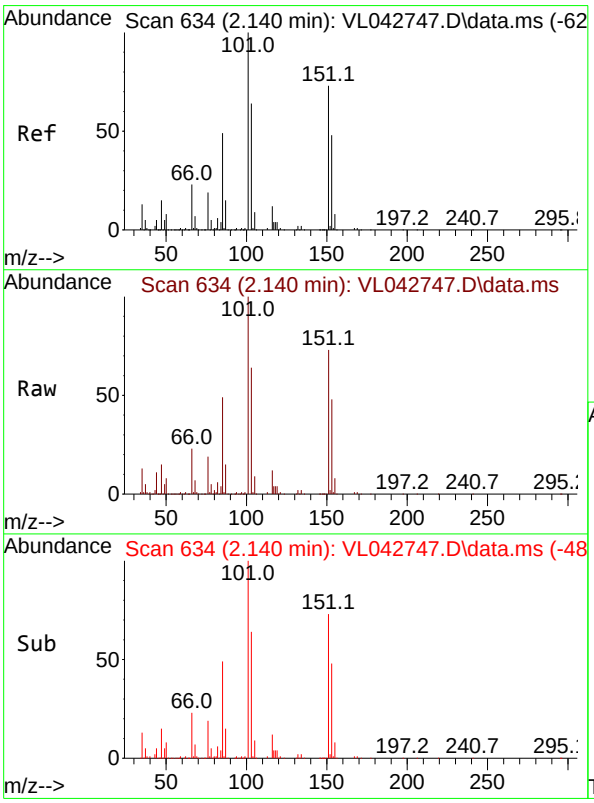
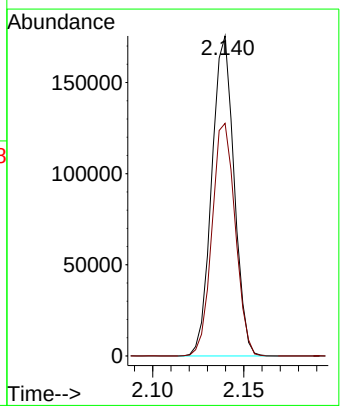
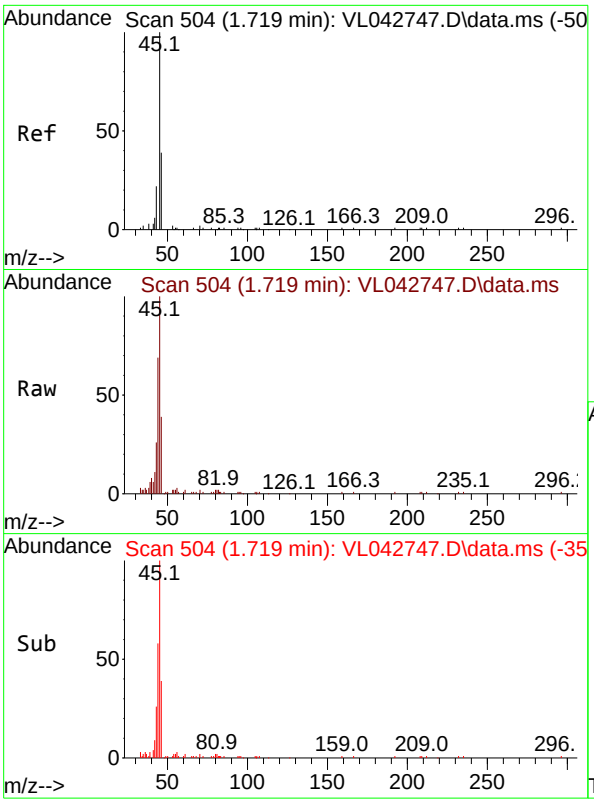


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.081 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 149612

Ion	Ratio	Lower	Upper
101	100		
151	75.6	60.5	90.7

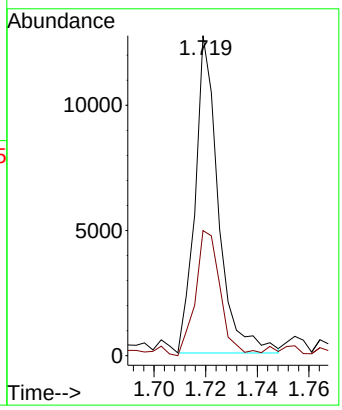




#13
Ethanol
Concen: 9.867 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 45 Resp: 794

Ion	Ratio	Lower	Upper
45	100		
46	46.5	17.8	71.4



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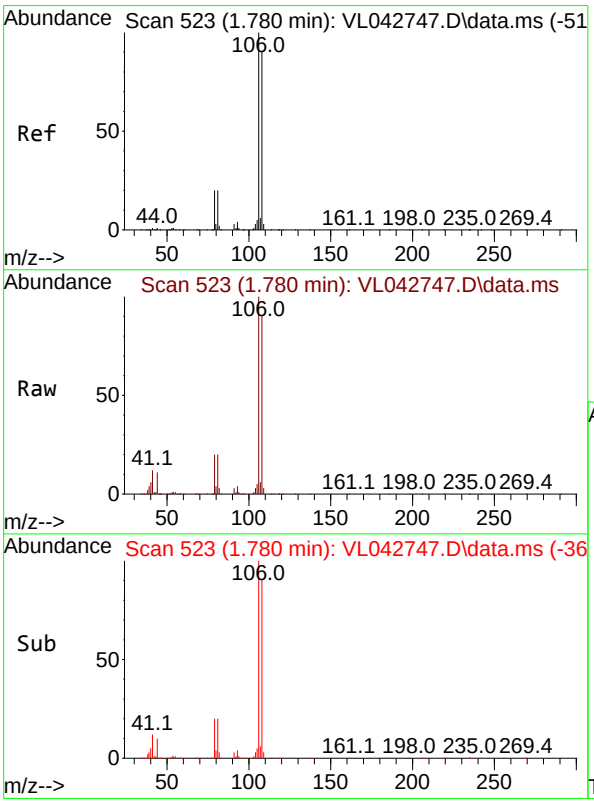
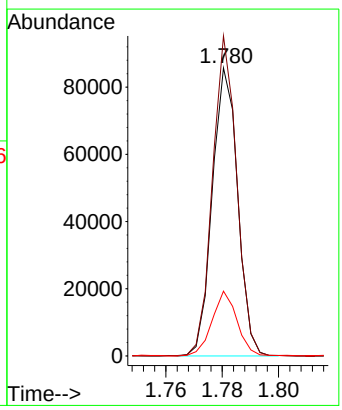
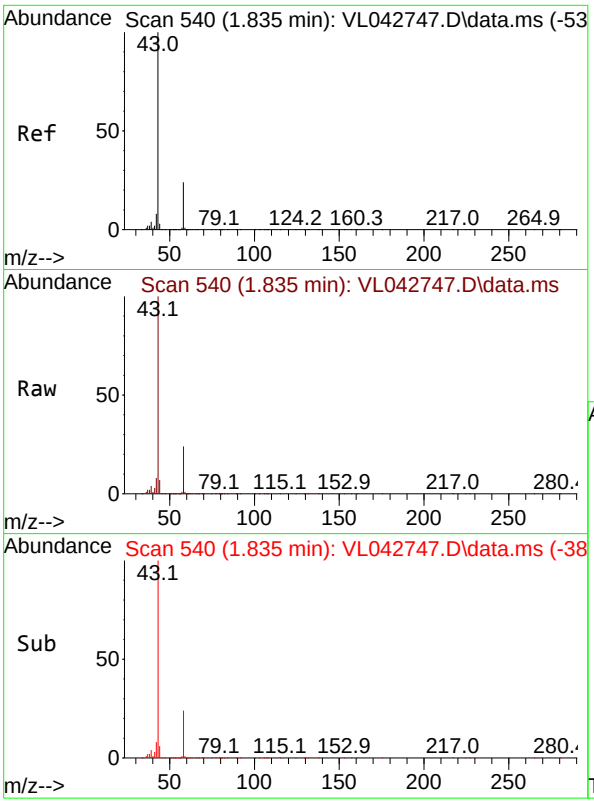


#14
Bromoethene
Concen: 9.193 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:108 Resp: 53625

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.7	127.1
79	21.8	17.4	26.2

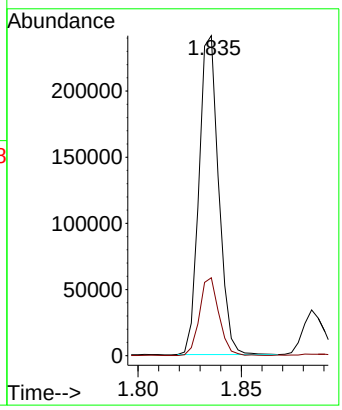




#15
Acetone
Concen: 7.225 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 15871

Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.8	29.8



Instrument :
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ClientSampleId :
VSTDICCC010

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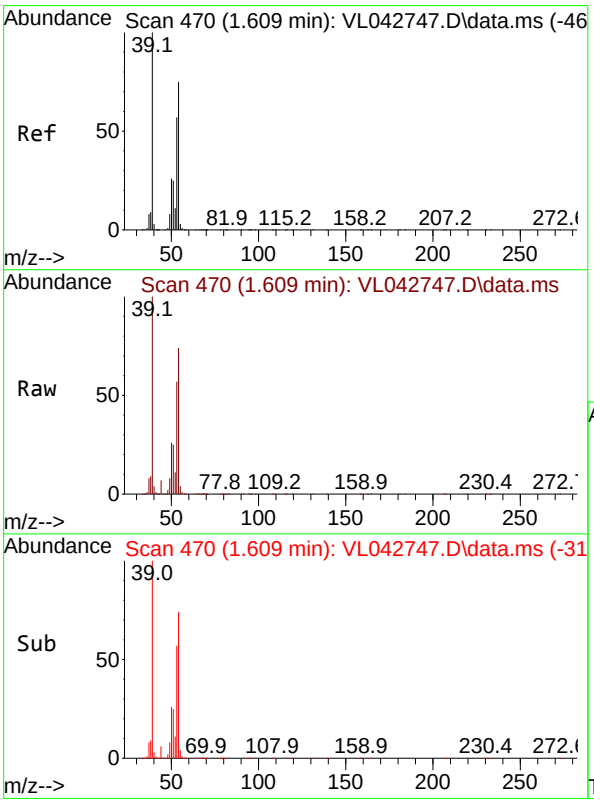
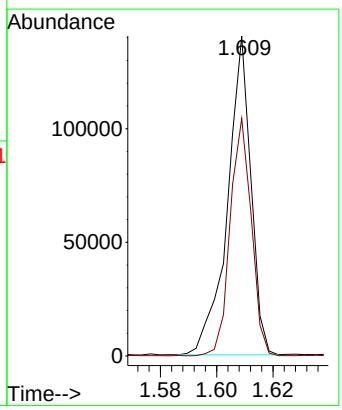
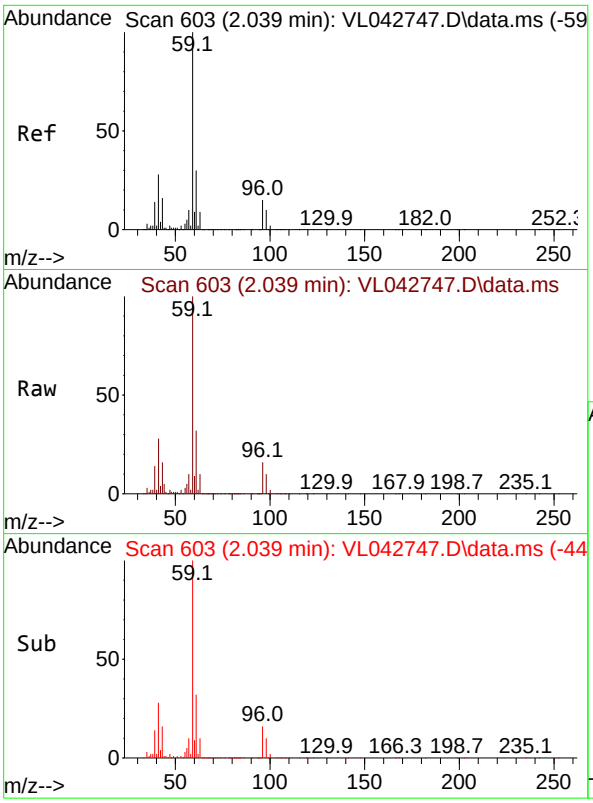


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 39 Resp: 80968

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7

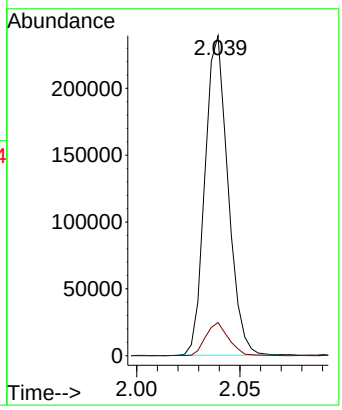




#17
tert-Butyl alcohol
Concen: 9.351 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 59 Resp: 18526

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_L
ClientSampleId :
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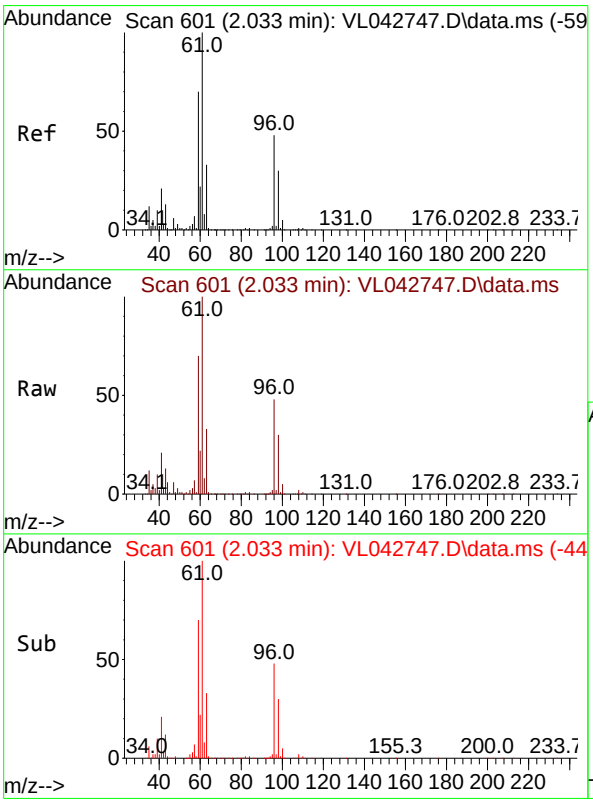
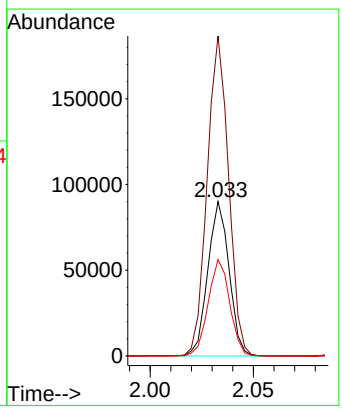
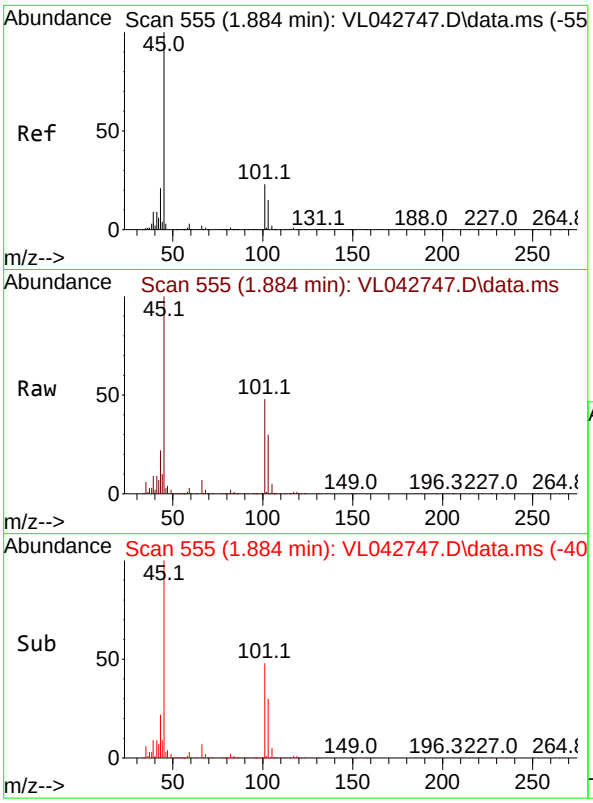


#18
1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 64224

Ion	Ratio	Lower	Upper
96	100		
61	207.2	165.8	248.6
98	62.4	49.9	74.9

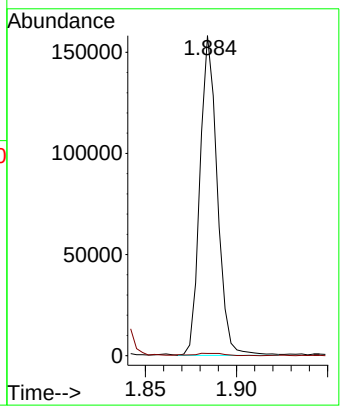




#19
Isopropyl Alcohol
Concen: 8.987 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 45 Resp: 10490

Ion	Ratio	Lower	Upper
45	100		
58	37.5	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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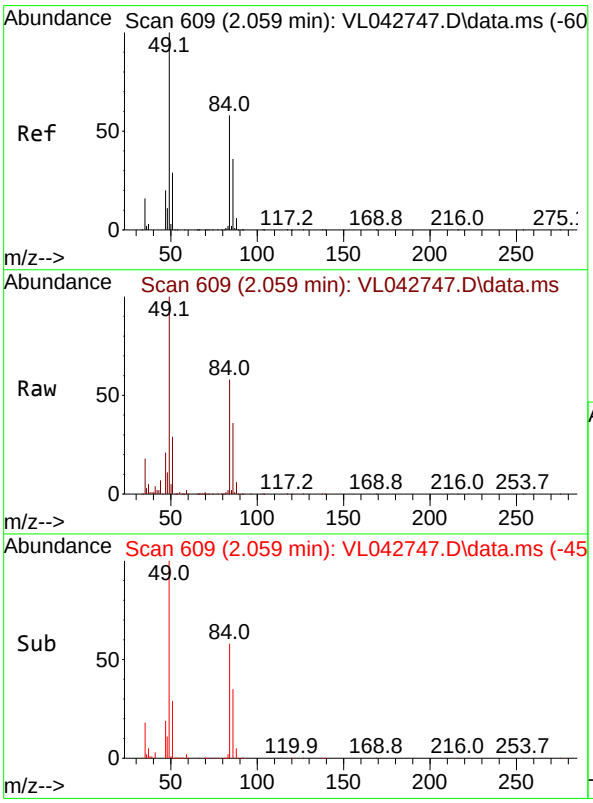
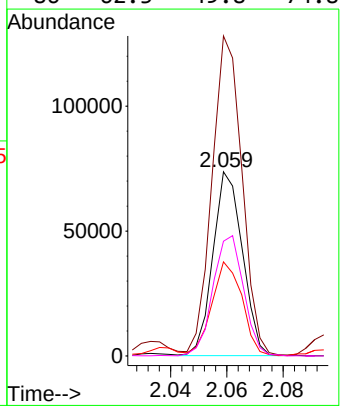
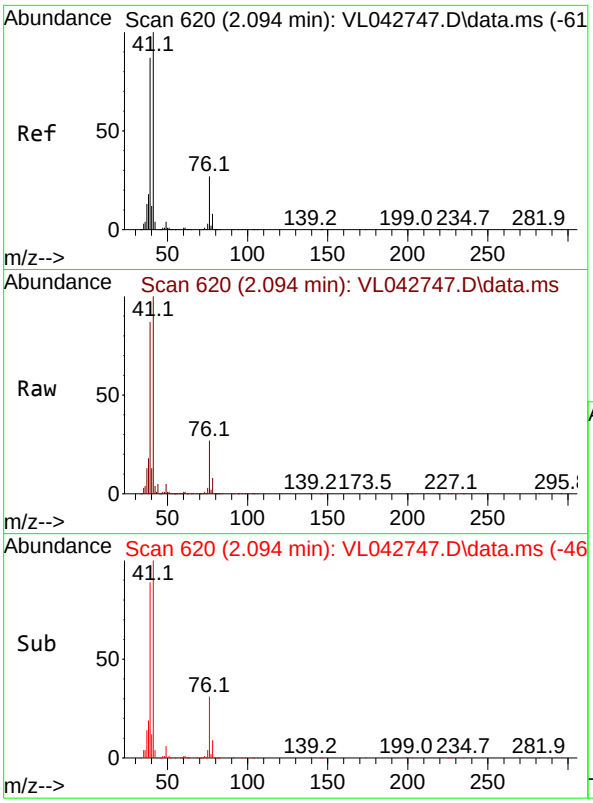


#20
Methylene Chloride
Concen: 7.740 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 53581

Ion	Ratio	Lower	Upper
84	100		
49	173.3	138.6	208.0
51	50.8	40.6	61.0
86	62.3	49.8	74.8

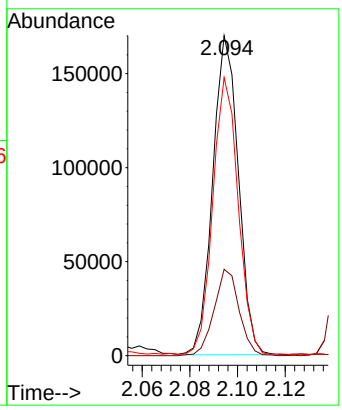




#21
Allyl Chloride
Concen: 9.382 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 41 Resp: 12702

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.1	31.7
39	85.4	68.3	102.5



Instrument :
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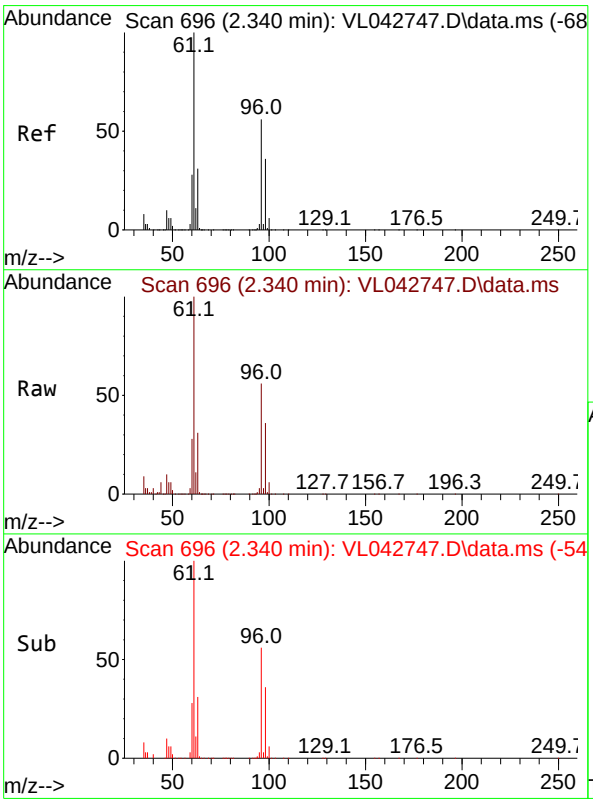
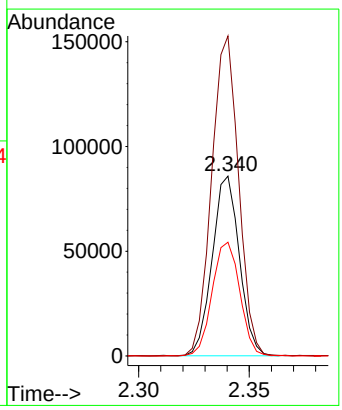
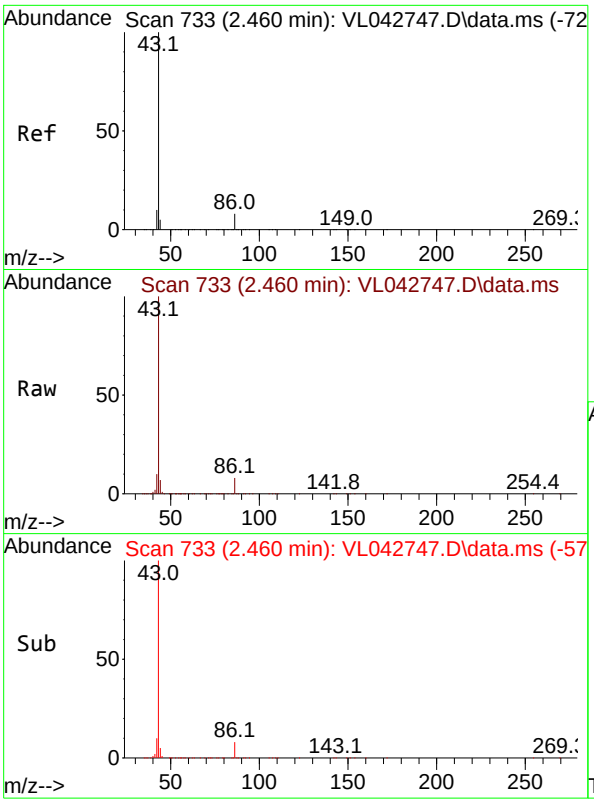


#22
trans-1,2-Dichloroethene
Concen: 9.148 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 73152

Ion	Ratio	Lower	Upper
96	100		
61	177.9	142.3	213.5
98	63.3	50.6	76.0

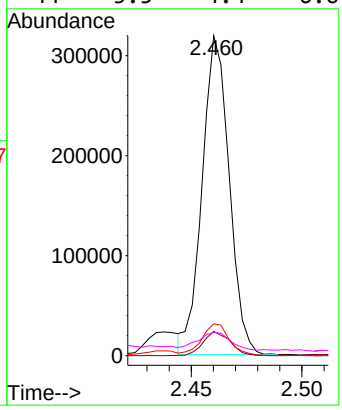




#23
Vinyl Acetate
Concen: 10.181 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 27112

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.8	7.8	11.8
44	5.5	4.4	6.6



Instrument :
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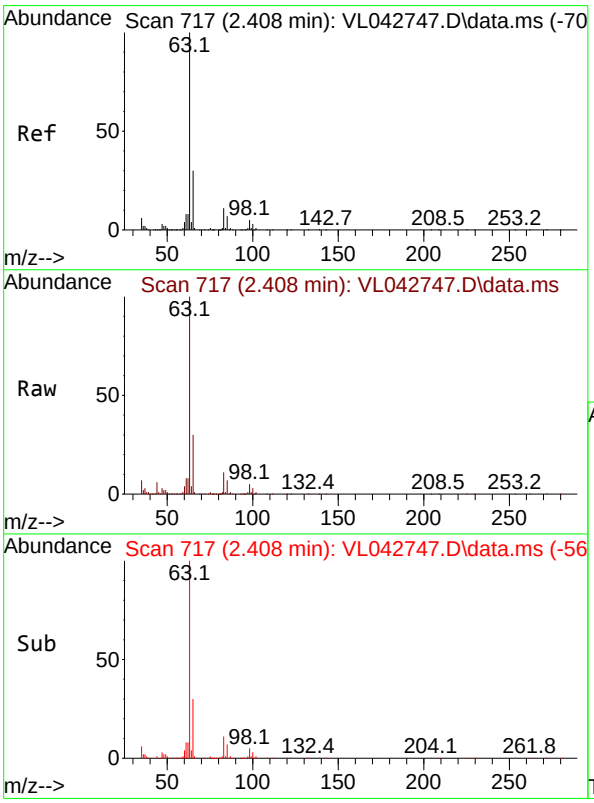
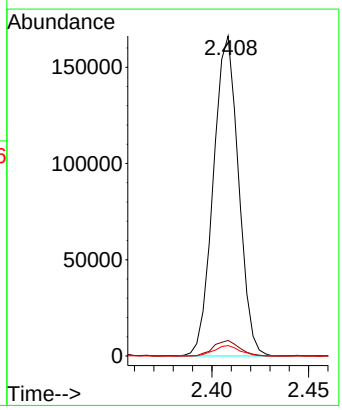
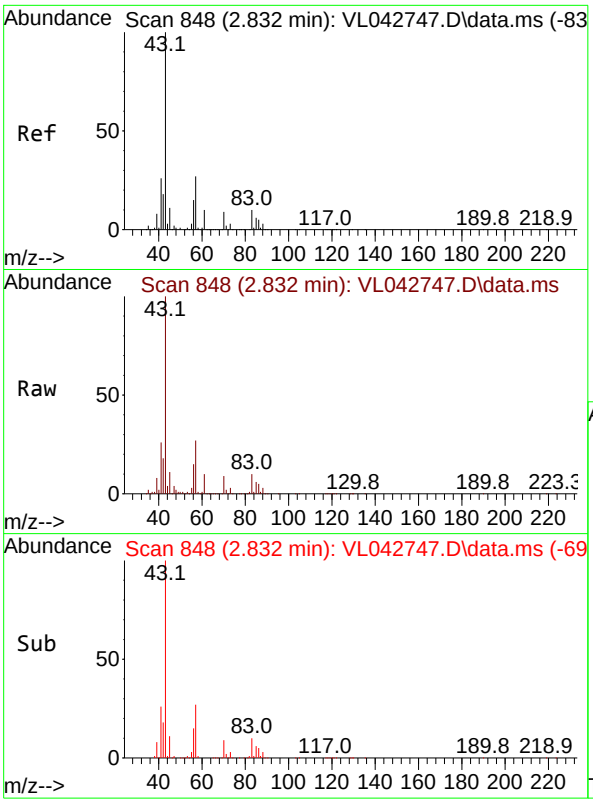


#24
1,1-Dichloroethane
Concen: 9.141 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 150257

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	3.2	1.6	4.8

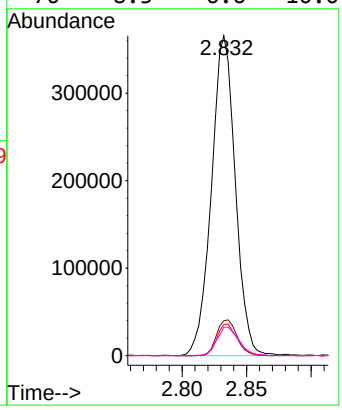




#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 46999

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.4	6.7	10.1
70	8.3	6.6	10.0



Instrument :
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ClientSampleId :
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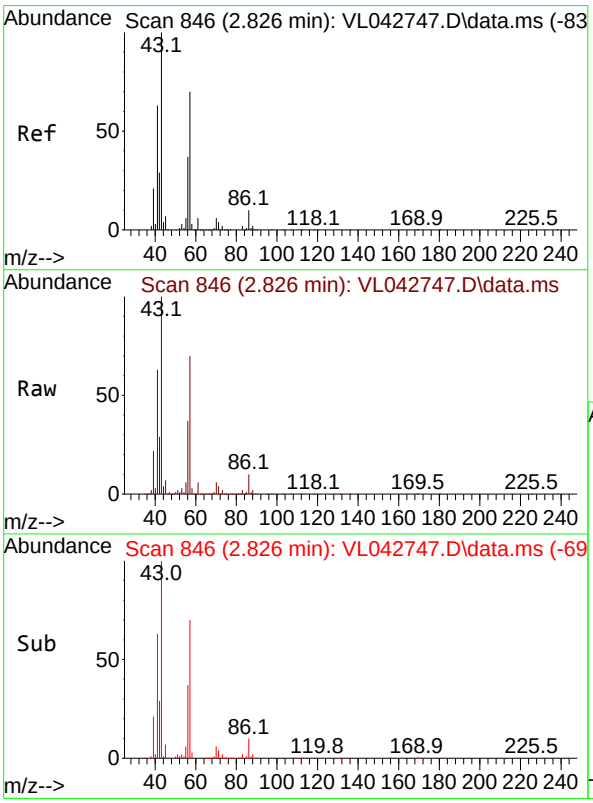
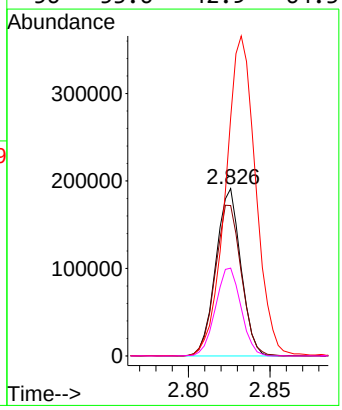
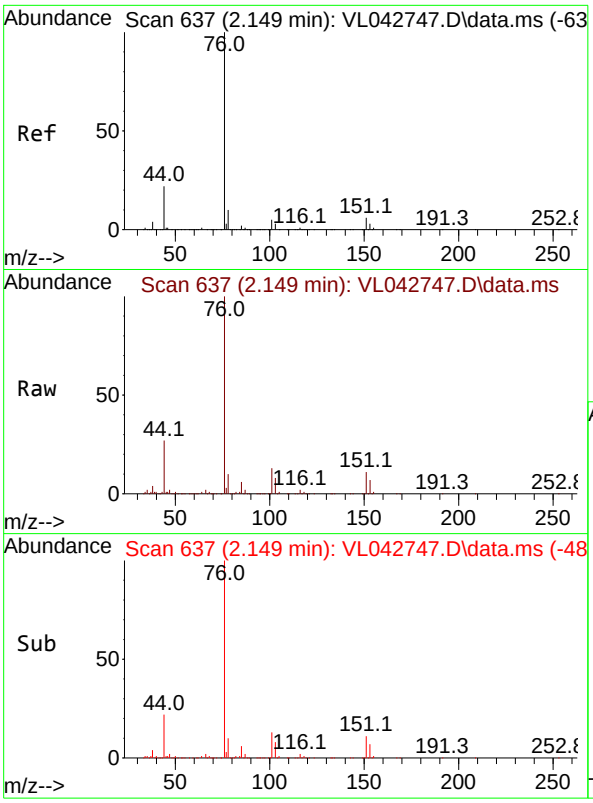


#26
Hexane
Concen: 9.555 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 203800

Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.4	113.2
43	231.3	185.0	277.6
56	53.6	42.9	64.3

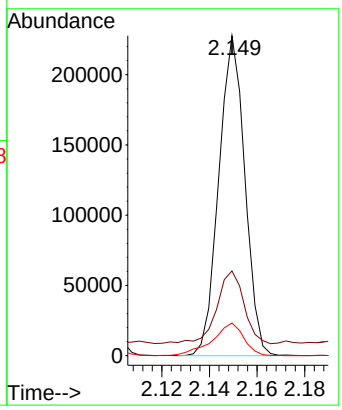




#27
Carbon Disulfide
Concen: 9.480 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 76 Resp: 17310

Ion	Ratio	Lower	Upper
76	100		
44	24.1	19.3	28.9
78	12.4	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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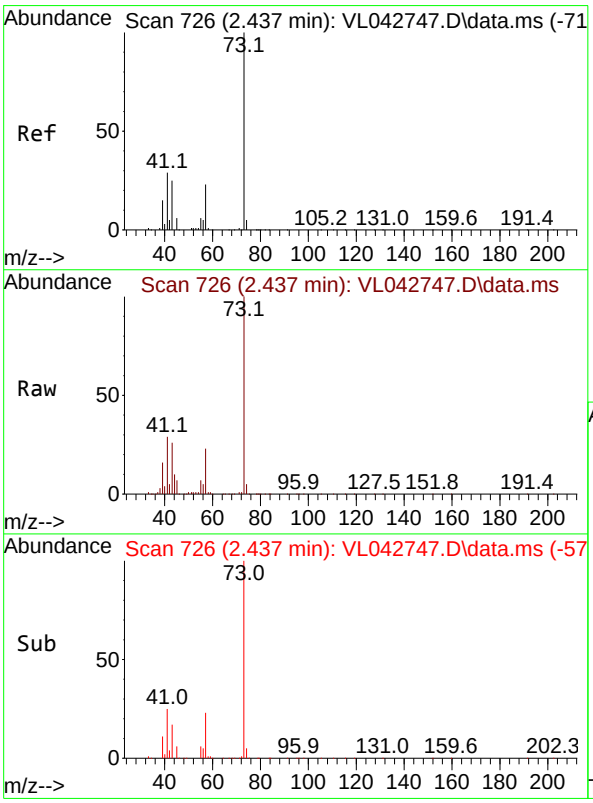
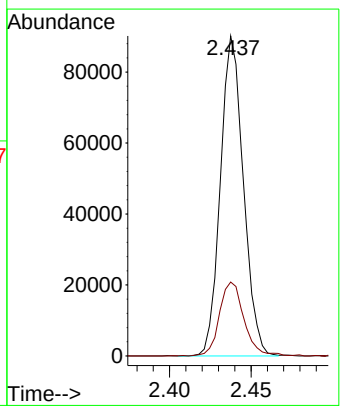
Supervised By :Mahesh Dadoda 07/24/2025

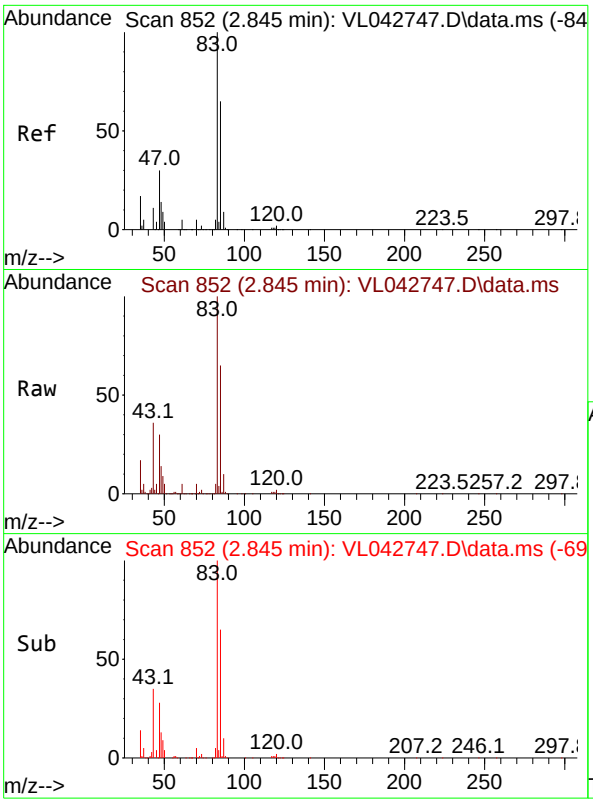


#28
Methyl tert-Butyl Ether
Concen: 8.770 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 73 Resp: 88372

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8

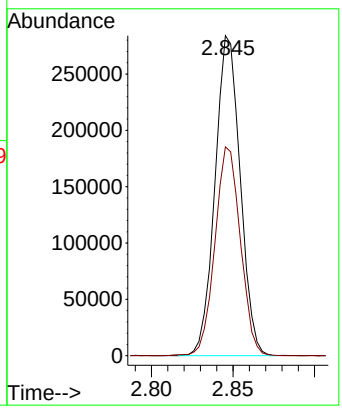




#29
Chloroform
Concen: 9.244 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 30467

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
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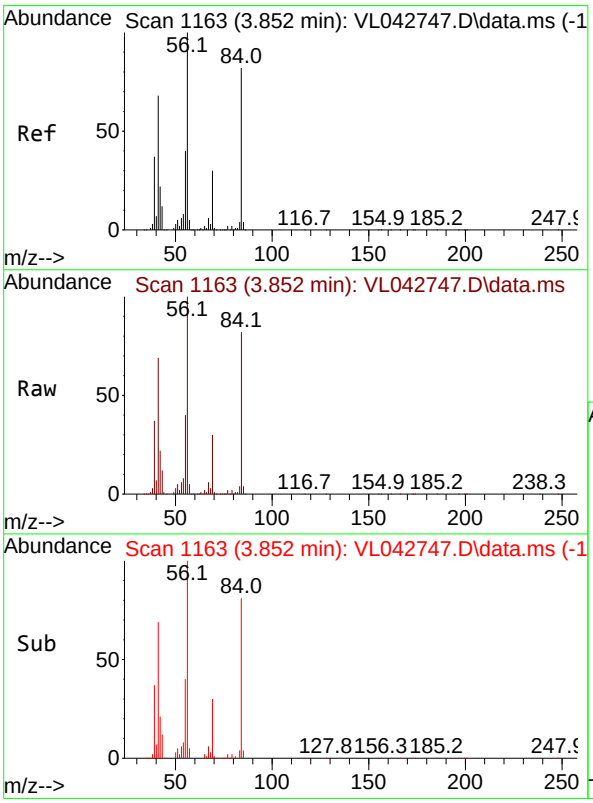
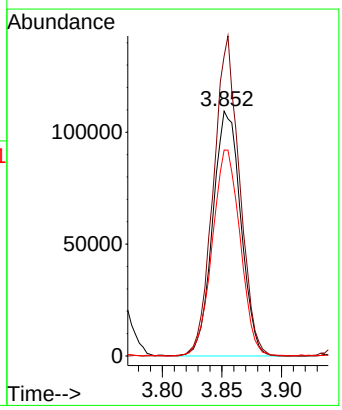
Supervised By :Mahesh Dadoda 07/24/2025

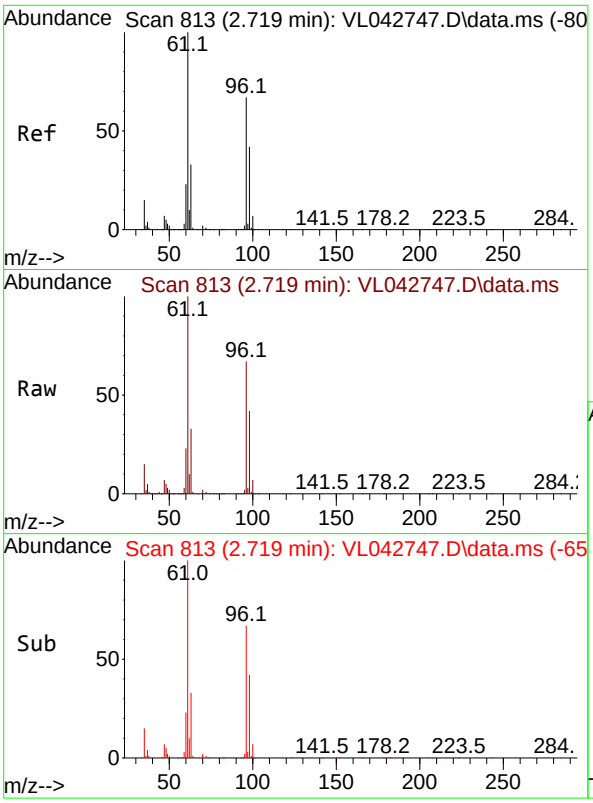


#30
Cyclohexane
Concen: 9.892 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 178948

Ion	Ratio	Lower	Upper
84	100		
56	121.9	97.5	146.3
41	84.0	67.2	100.8

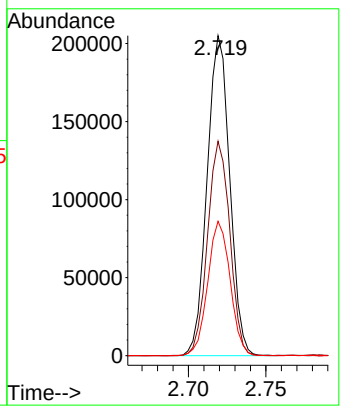




#31
cis-1,2-Dichloroethene
Concen: 9.479 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 61 Resp: 20775

Ion	Ratio	Lower	Upper
61	100		
96	66.9	53.5	80.3
98	42.0	33.6	50.4



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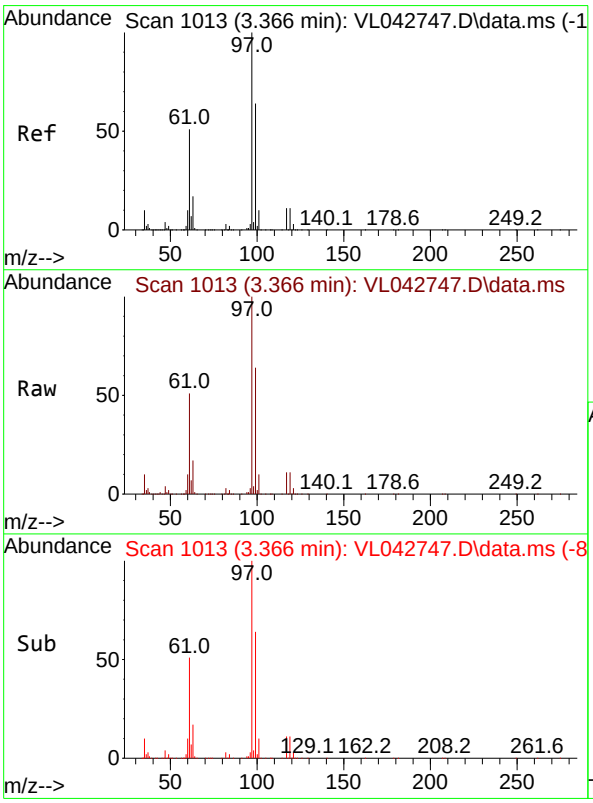
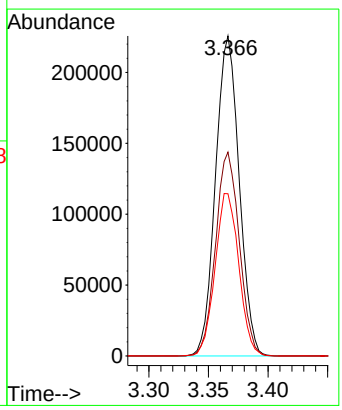
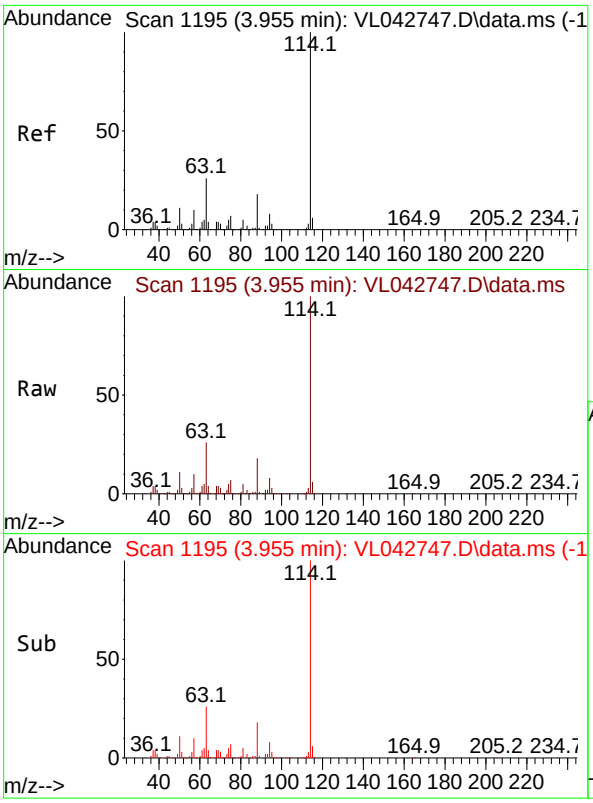


#32
1,1,1-Trichloroethane
Concen: 9.069 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 311368

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	51.1	40.9	61.3

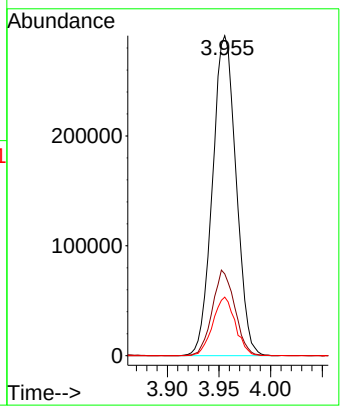




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:114 Resp: 46276

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.5	14.0	21.0



Instrument :
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ClientSampleId :
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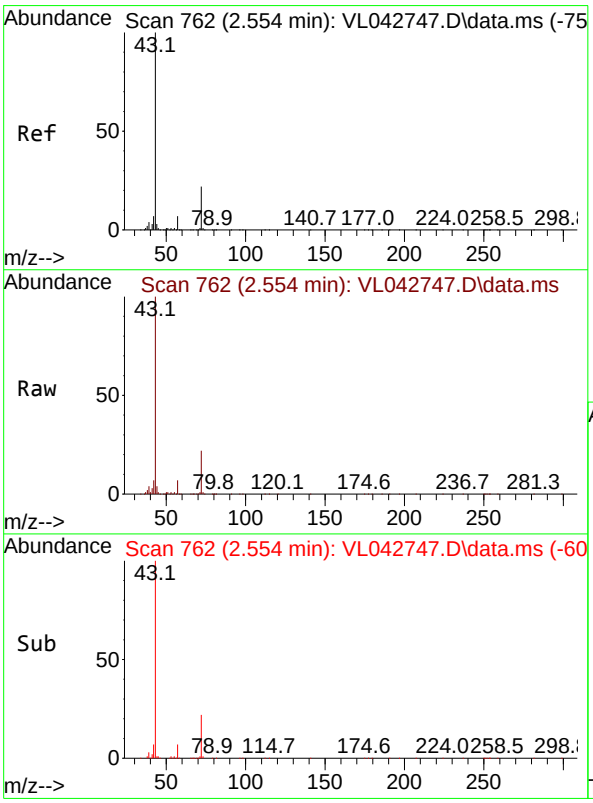
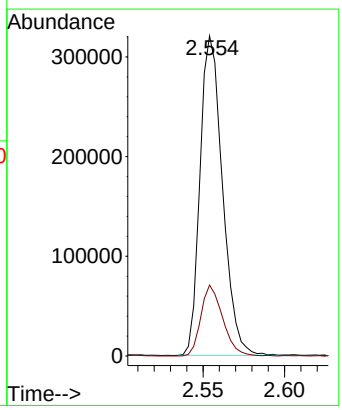
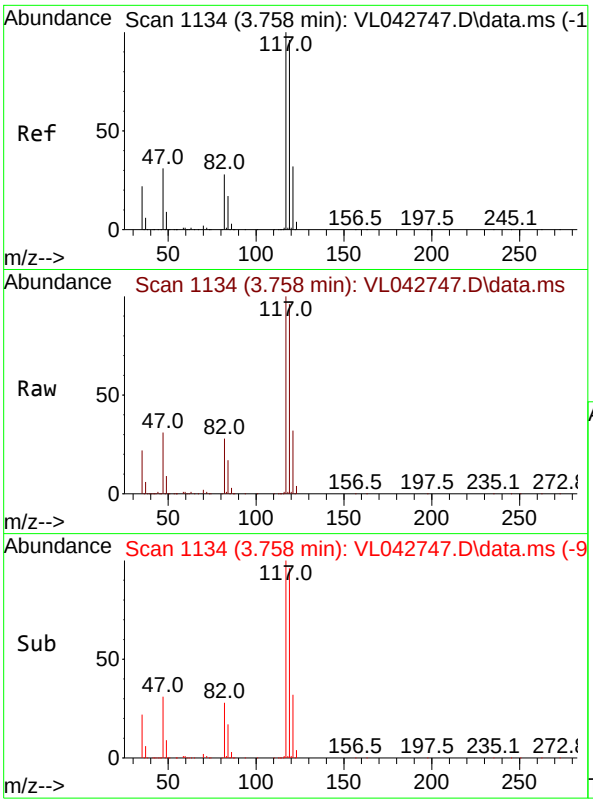


#34
2-Butanone
Concen: 9.361 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 306858

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.0

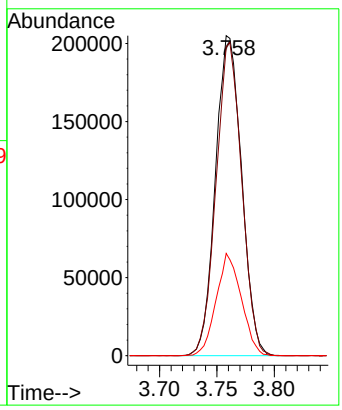




#35
Carbon Tetrachloride
Concen: 9.436 ppbv
RT: 3.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:117 Resp: 32450

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.9	25.5	38.3



Instrument :
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ClientSampleId :
VSTDICCC010

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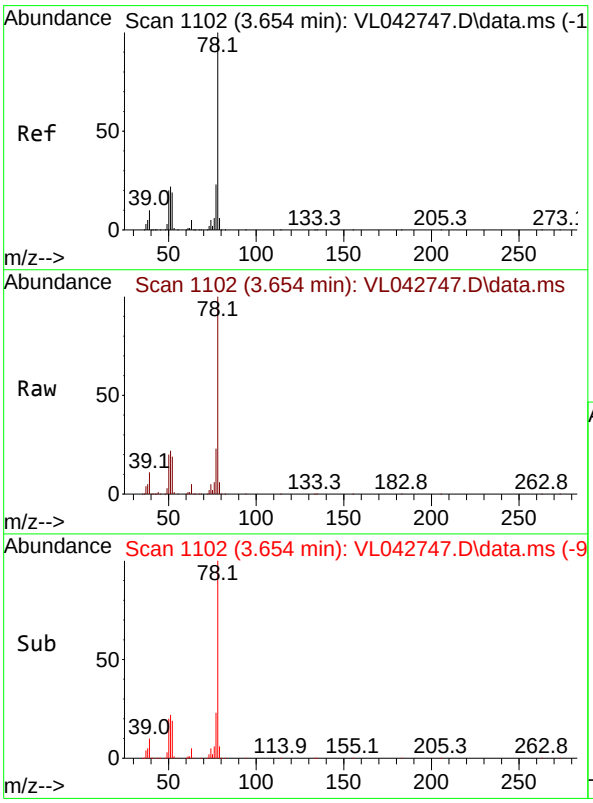
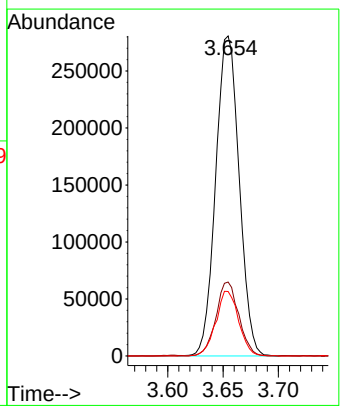
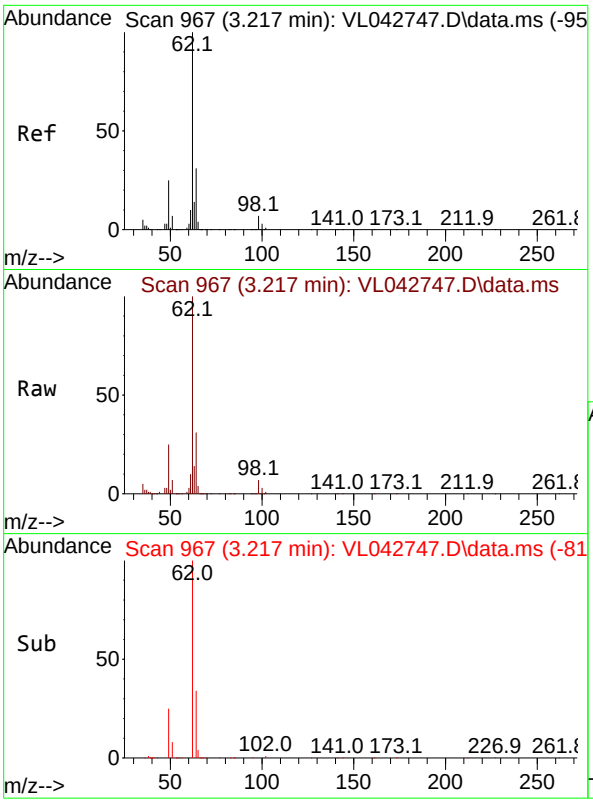


#36
Benzene
Concen: 9.459 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 78 Resp: 414863

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	20.2	16.2	24.2

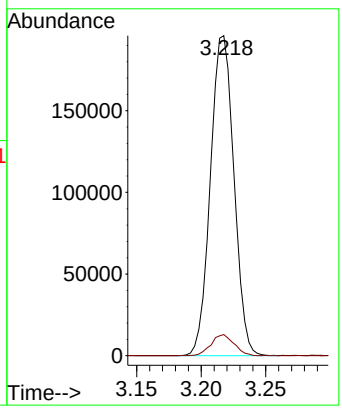




#37
1,2-Dichloroethane
Concen: 9.403 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 62 Resp: 24841

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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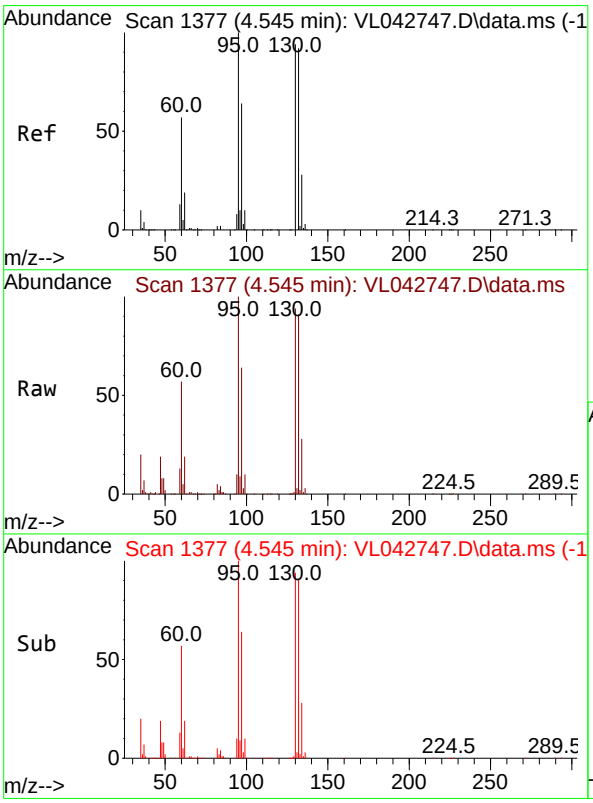
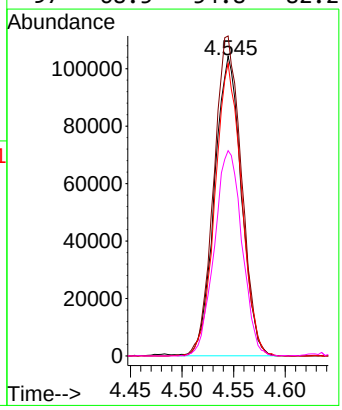
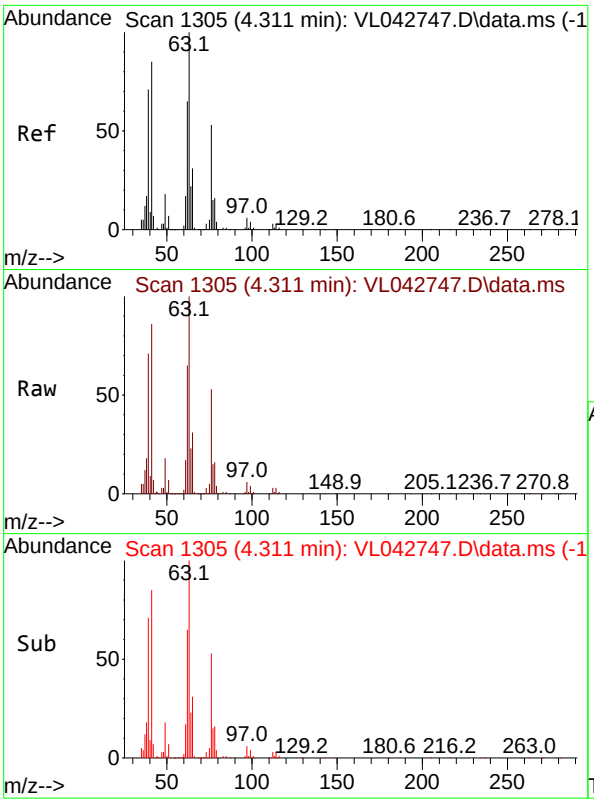


#38
Trichloroethene
Concen: 8.926 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:130 Resp: 188750

Ion	Ratio	Lower	Upper
130	100		
95	106.8	85.4	128.2
132	97.7	78.2	117.2
97	68.5	54.8	82.2

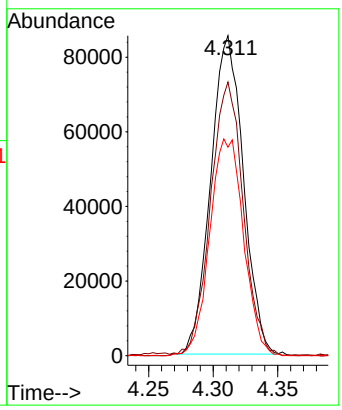




#39
1,2-Dichloropropane
Concen: 9.251 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 14977

Ion	Ratio	Lower	Upper
63	100		
41	85.3	68.2	102.4
62	65.0	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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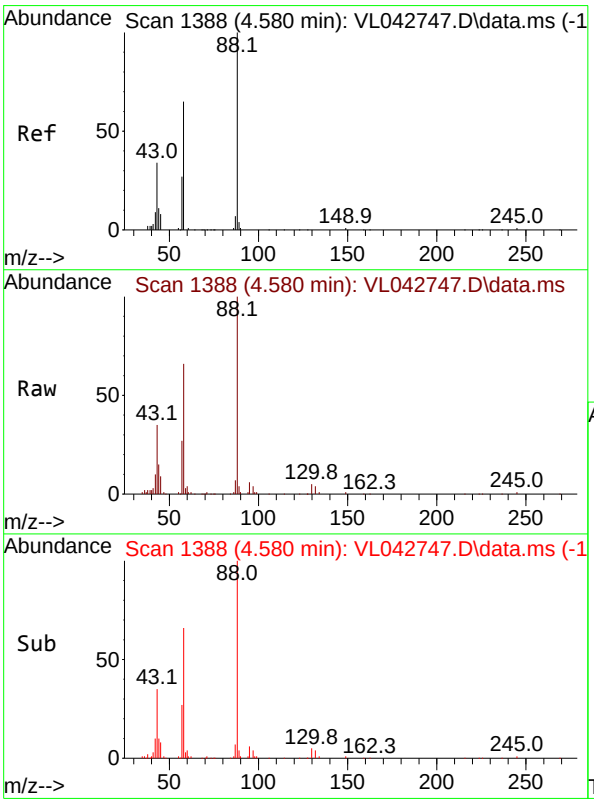
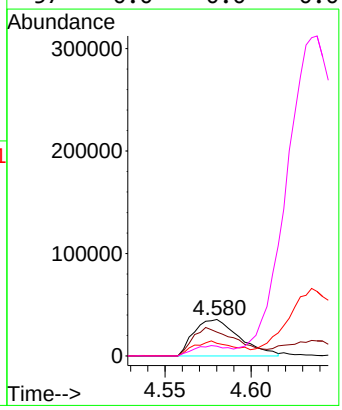
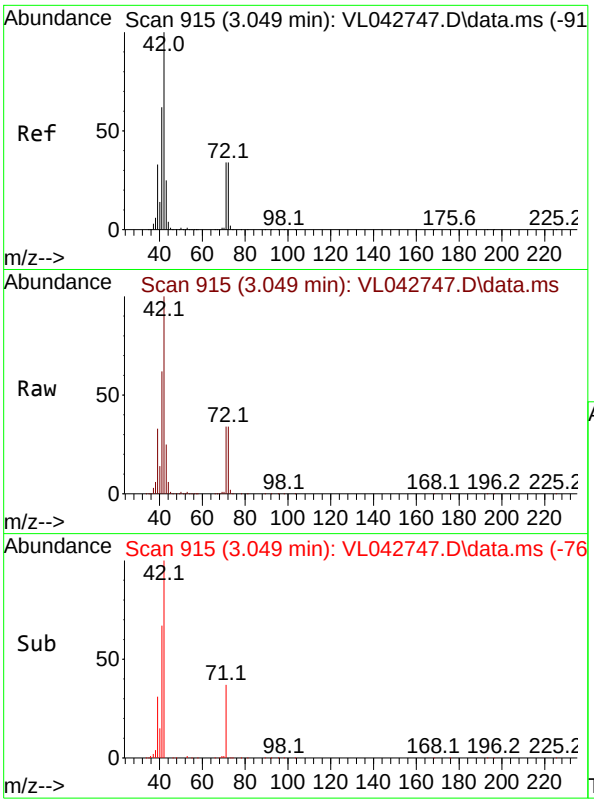


#40
1,4-Dioxane
Concen: 8.569 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 88 Resp: 65413

Ion	Ratio	Lower	Upper
88	100		
58	73.5	58.8	88.2
43	36.1	28.9	43.3
57	0.0	0.0	0.0

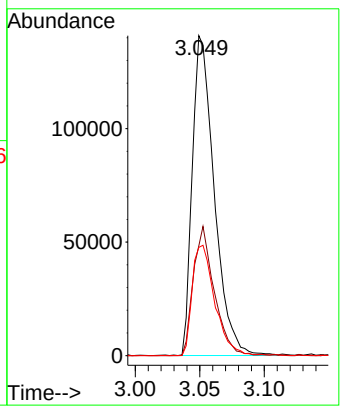




#41
Tetrahydrofuran
Concen: 10.160 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 42 Resp: 16732

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	35.8	28.6	43.0



Instrument :
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ClientSampleId :
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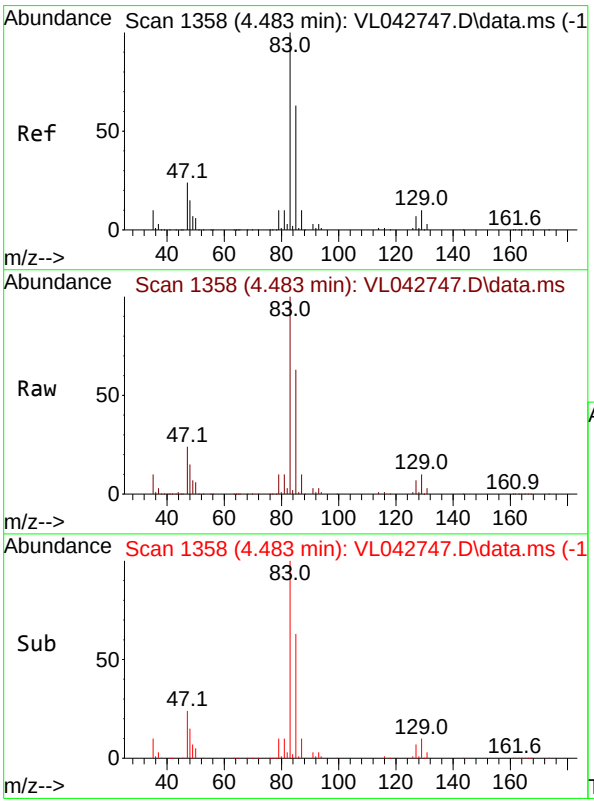
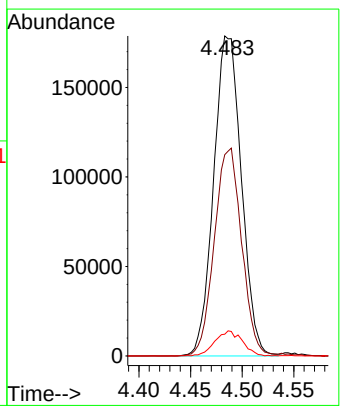
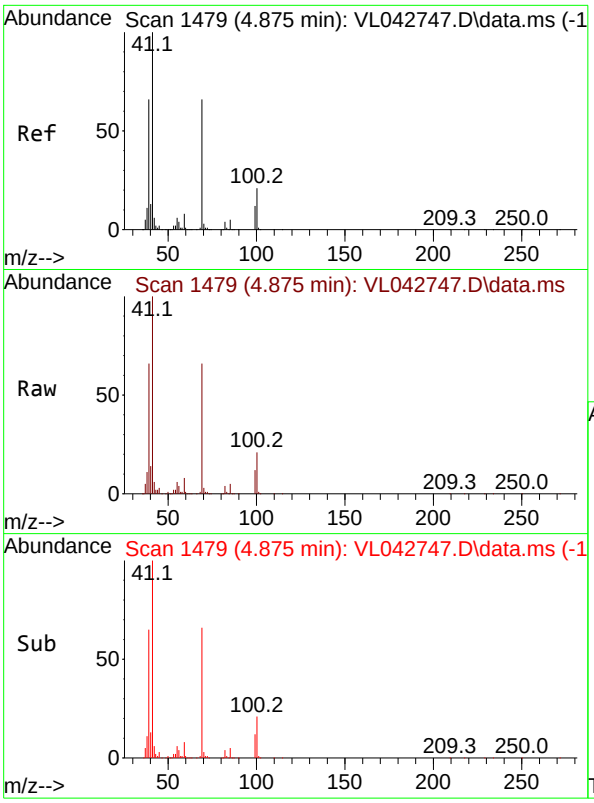


#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 334531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.8	5.4	8.2

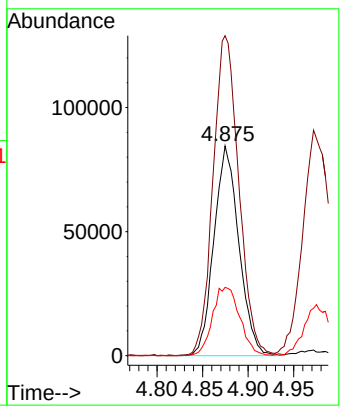




#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 69 Resp: 16105

Ion	Ratio	Lower	Upper
69	100		
41	157.1	125.7	188.5
100	35.7	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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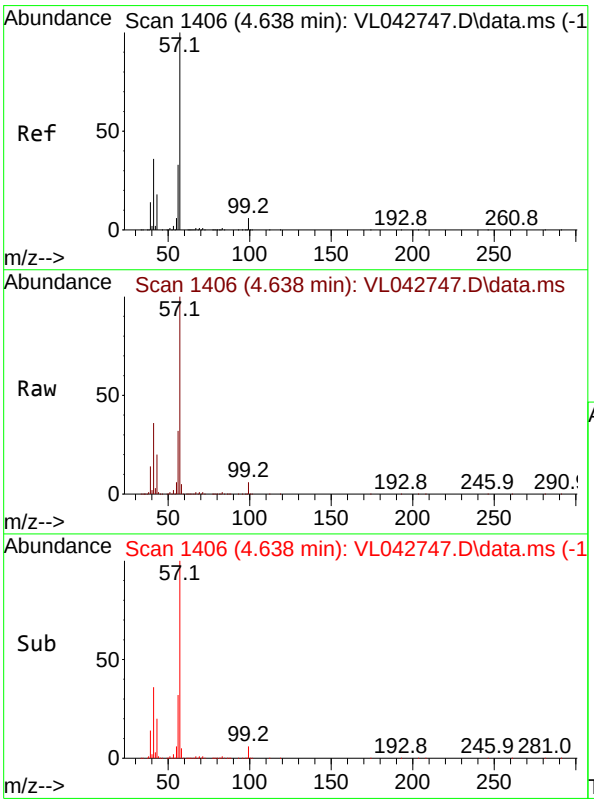
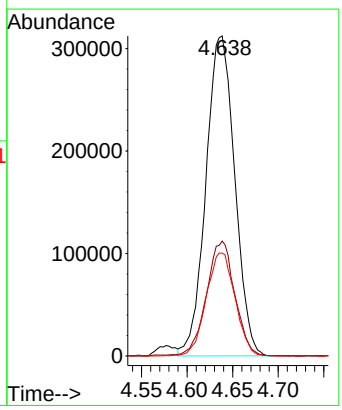
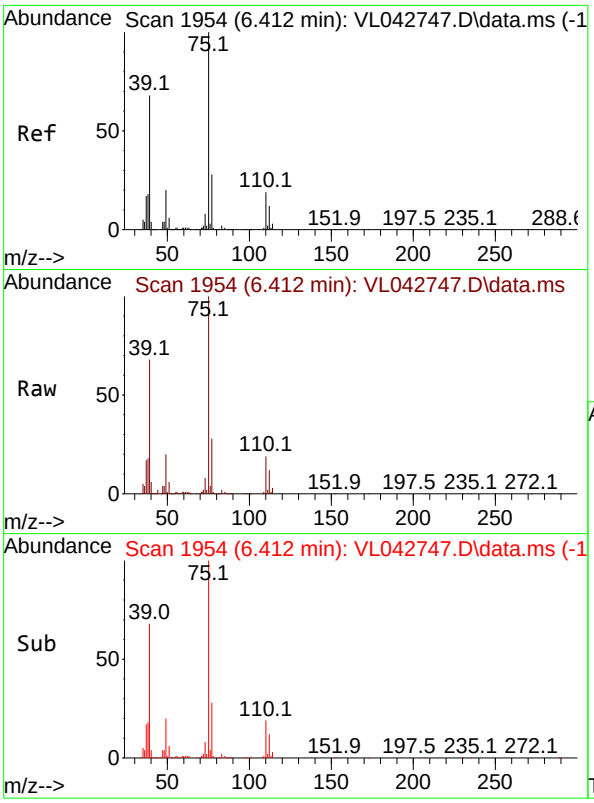


#44
2,2,4-Trimethylpentane
Concen: 9.623 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 687885

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.3	42.5
56	32.2	25.8	38.6

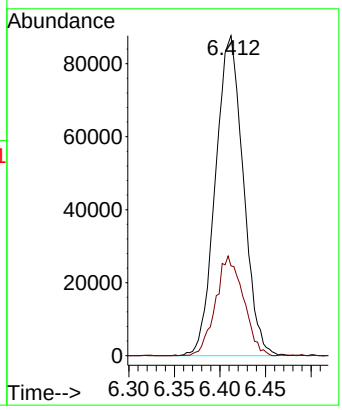




#45
t-1,3-Dichloropropene
Concen: 10.633 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 18596

Ion	Ratio	Lower	Upper
75	100		
77	28.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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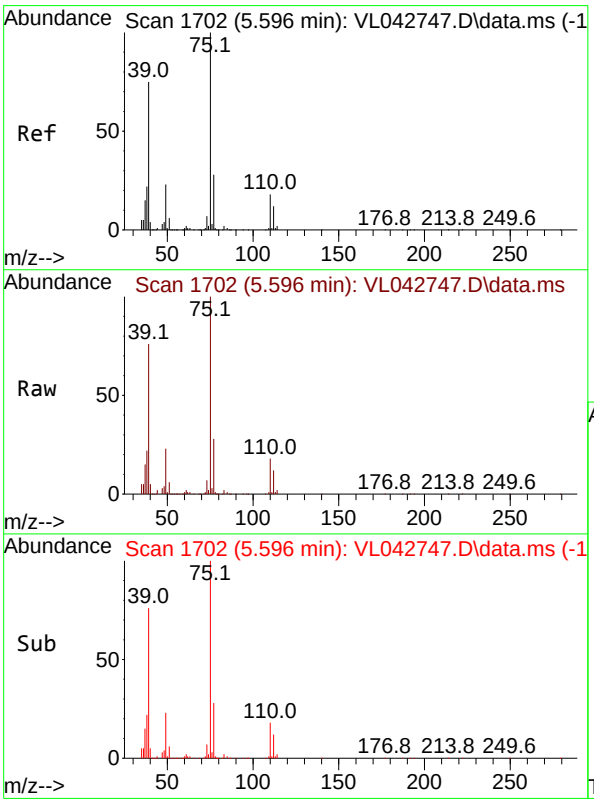
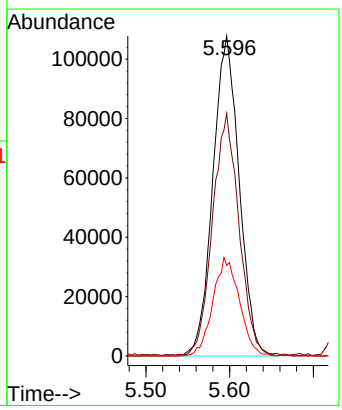
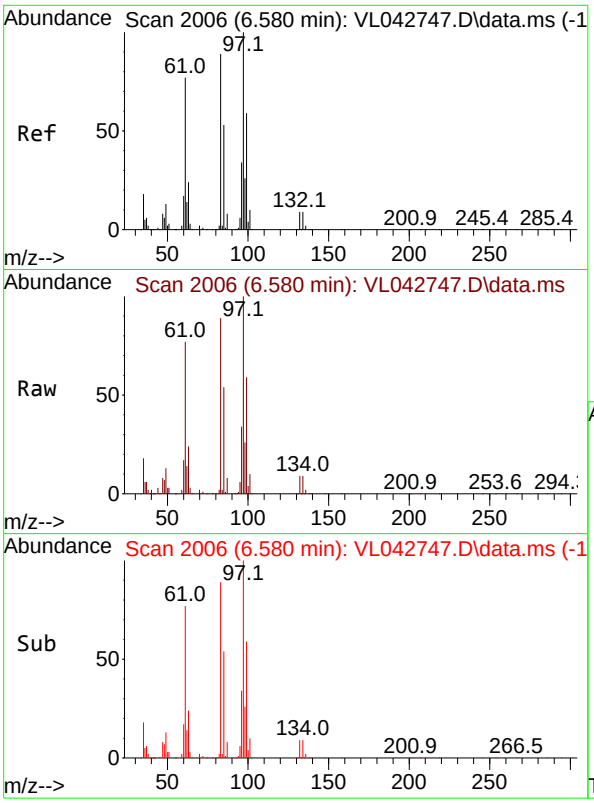


#46
cis-1,3-Dichloropropene
Concen: 10.587 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 234594

Ion	Ratio	Lower	Upper
75	100		
39	75.2	60.2	90.2
77	28.3	22.6	34.0

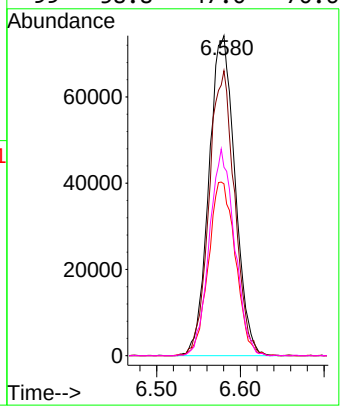




#47
1,1,2-Trichloroethane
Concen: 9.297 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 16043

Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.1	106.7
85	53.7	43.0	64.4
99	58.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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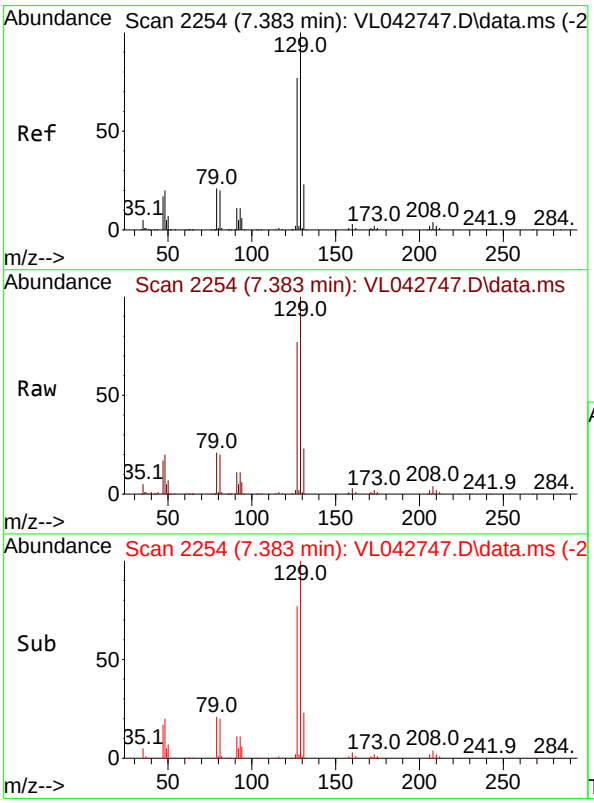
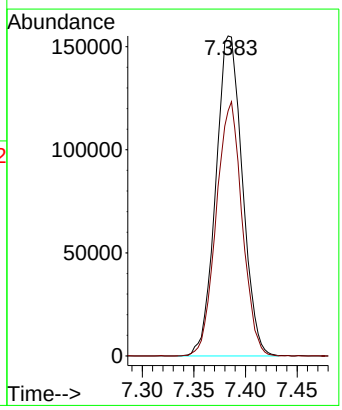
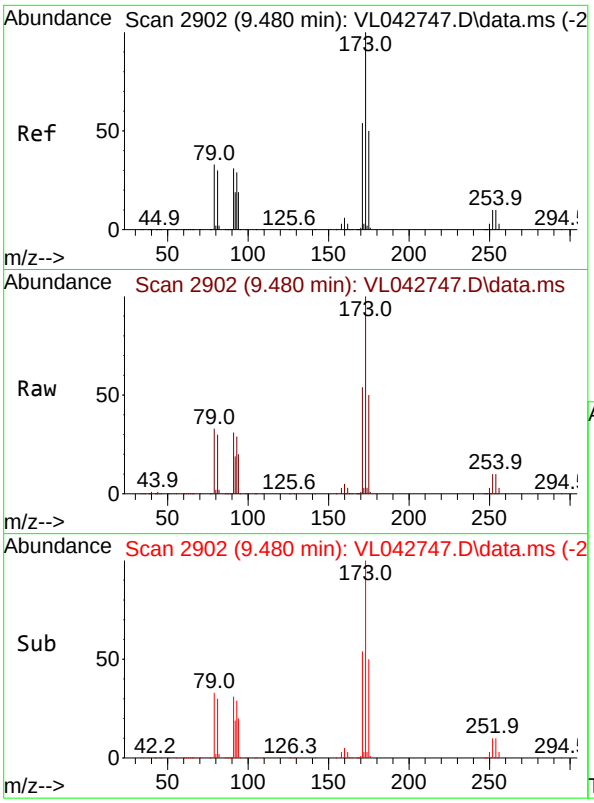


#48
Dibromochloromethane
Concen: 10.141 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:129 Resp: 277832

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1

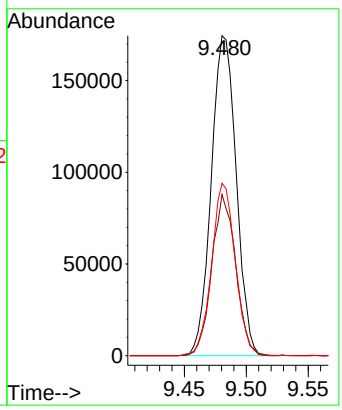




#49
Bromoform
Concen: 10.256 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:173 Resp: 24499

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.1	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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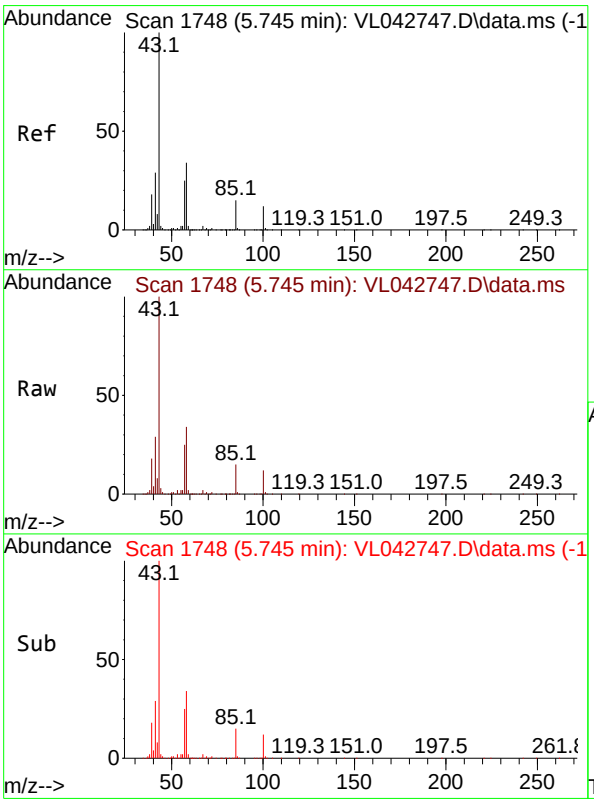
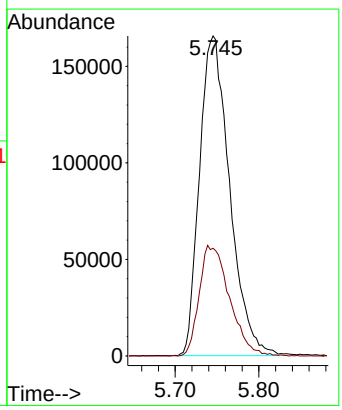
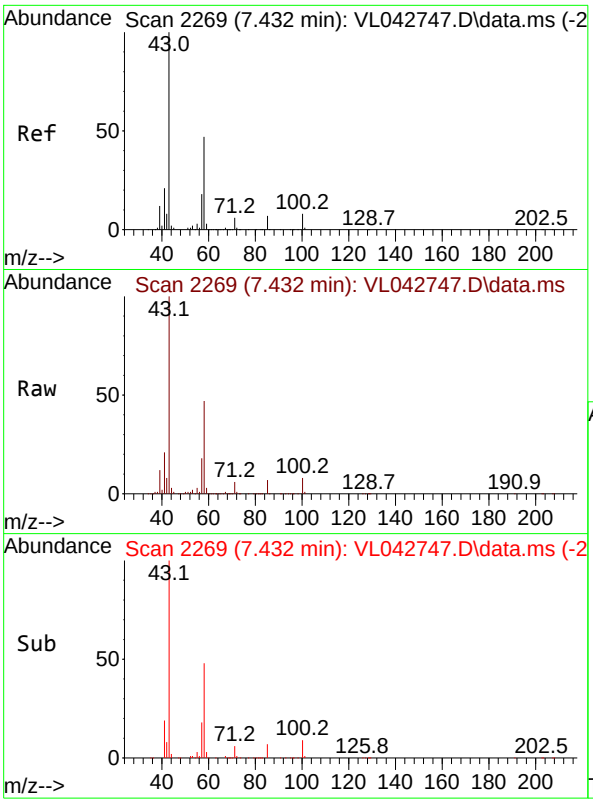


#50
4-Methyl-2-Pentanone
Concen: 9.914 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 413966

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





#51
2-Hexanone
Concen: 10.532 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 33604

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	0.3	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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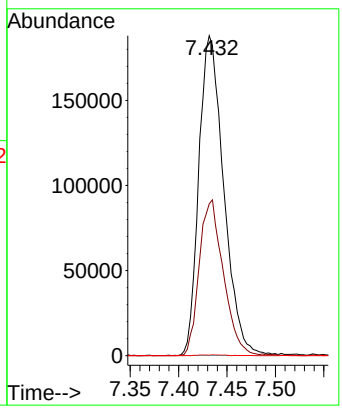
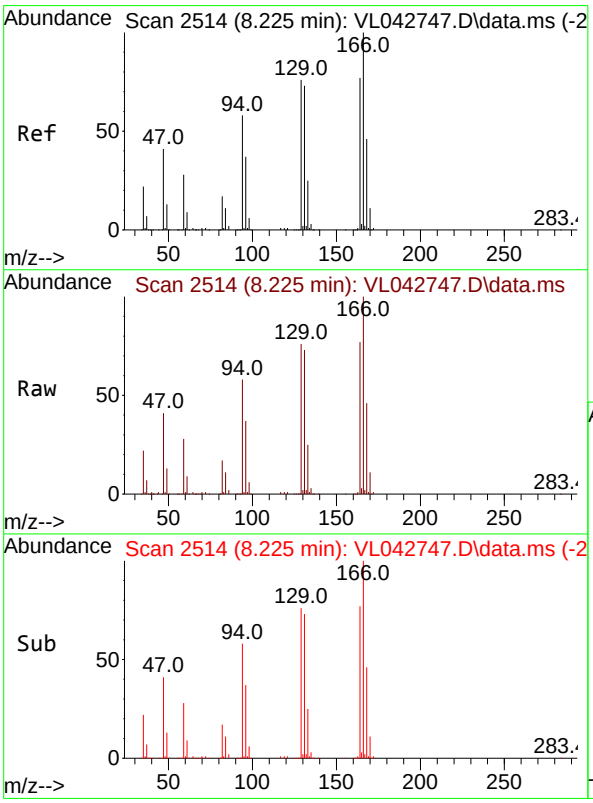
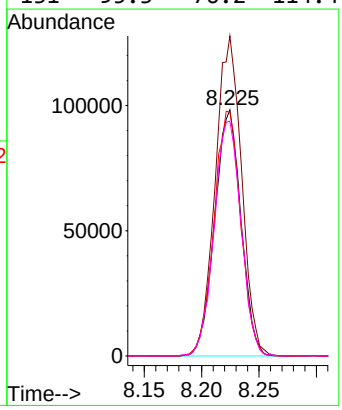


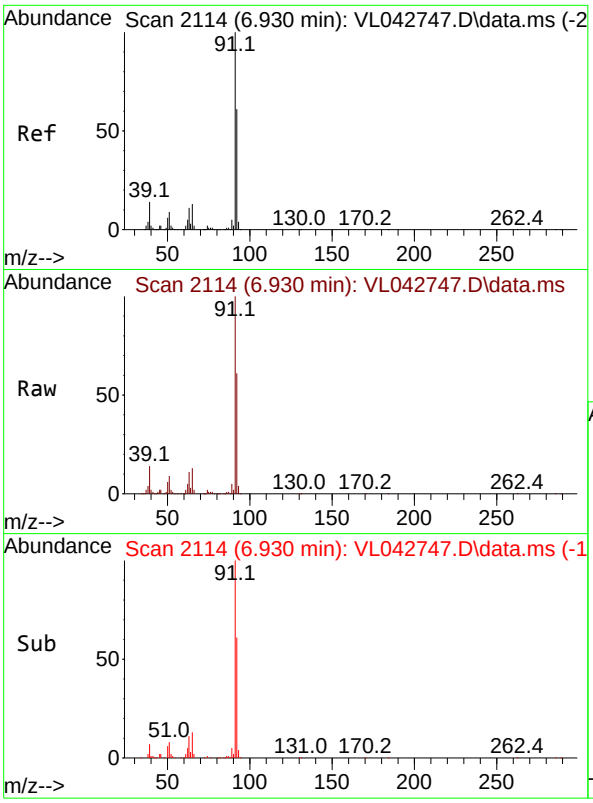


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:164 Resp: 156930

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	99.0	79.2	118.8
131	95.3	76.2	114.4

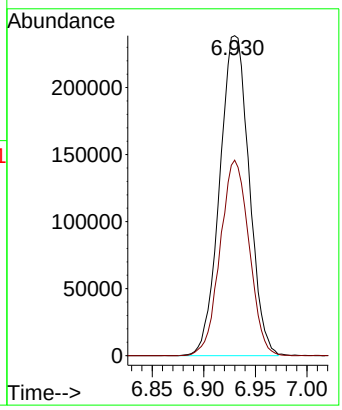




#53
Toluene
Concen: 10.042 ppbv
RT: 6.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 47295

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0



Instrument :
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ClientSampleId :
VSTDICCC010

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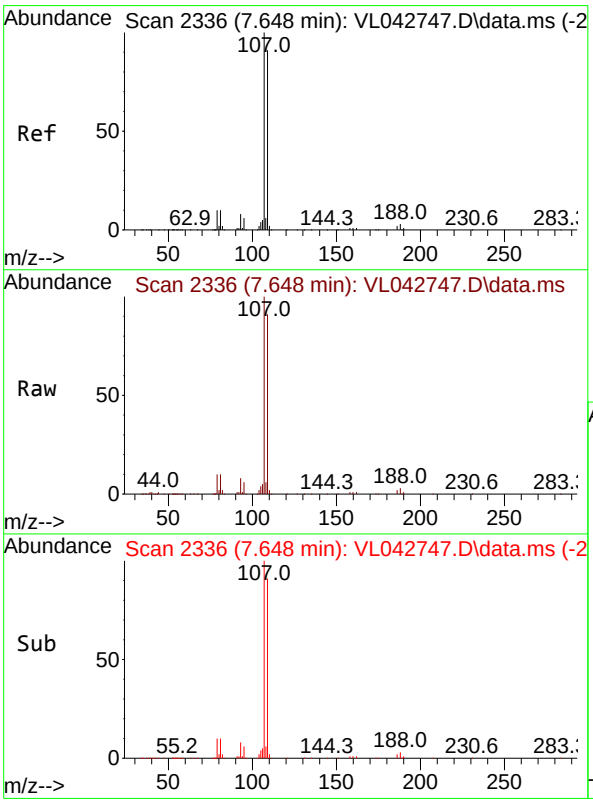
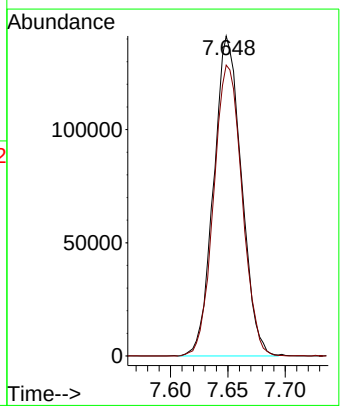
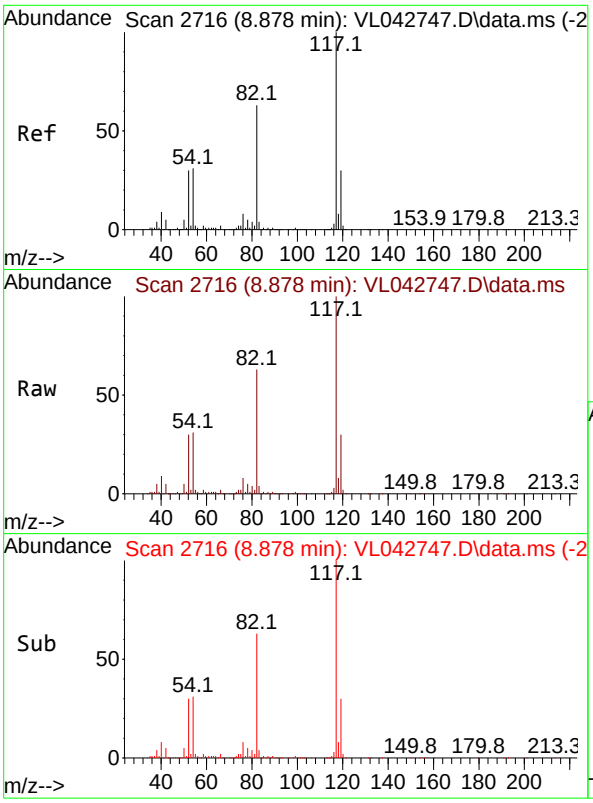


#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:107 Resp: 238045

Ion	Ratio	Lower	Upper
107	100		
109	90.9	72.7	109.1

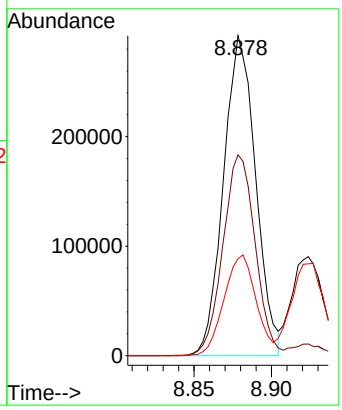




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:117 Resp: 42220

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.3	79.9
119	32.2	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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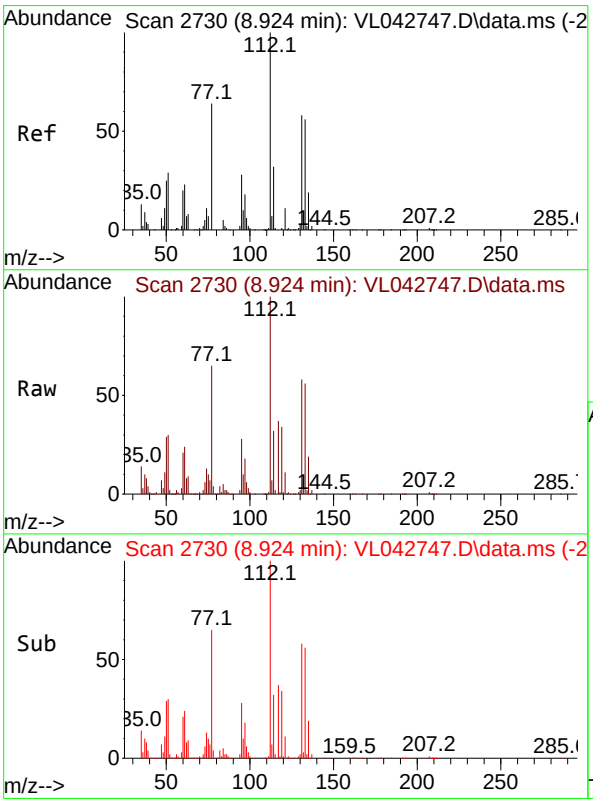
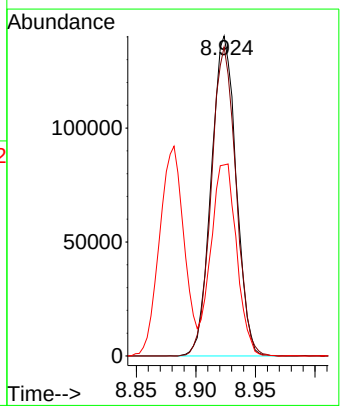
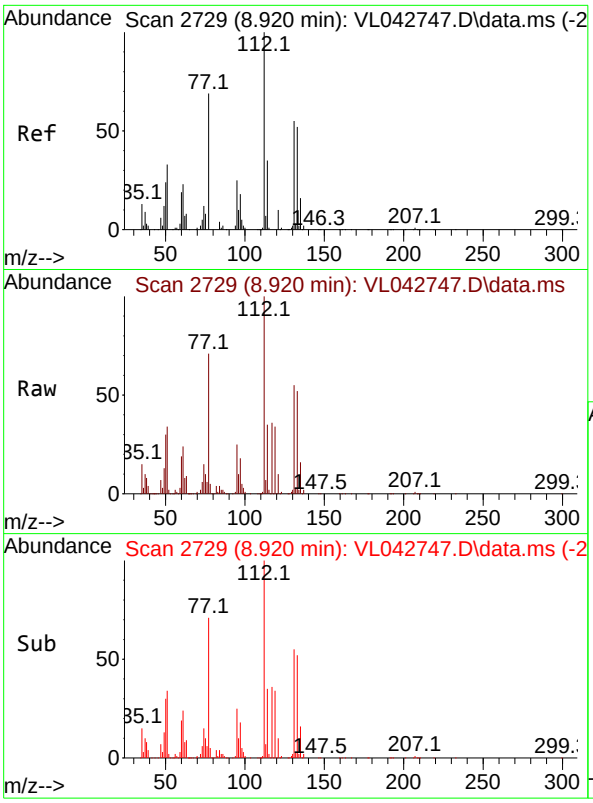


#56
1,1,1,2-Tetrachloroethane
Concen: 9.302 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:131 Resp: 204205

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.8	115.2
119	62.1	49.7	74.5

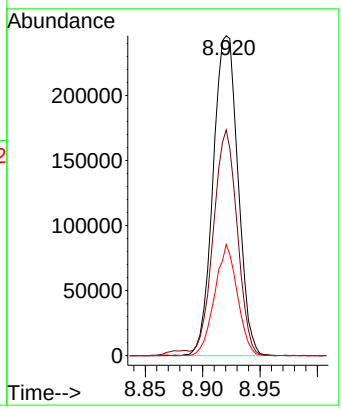




#57
Chlorobenzene
Concen: 9.082 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:112 Resp: 37111

Ion	Ratio	Lower	Upper
112	100		
77	70.5	56.4	84.6
114	34.7	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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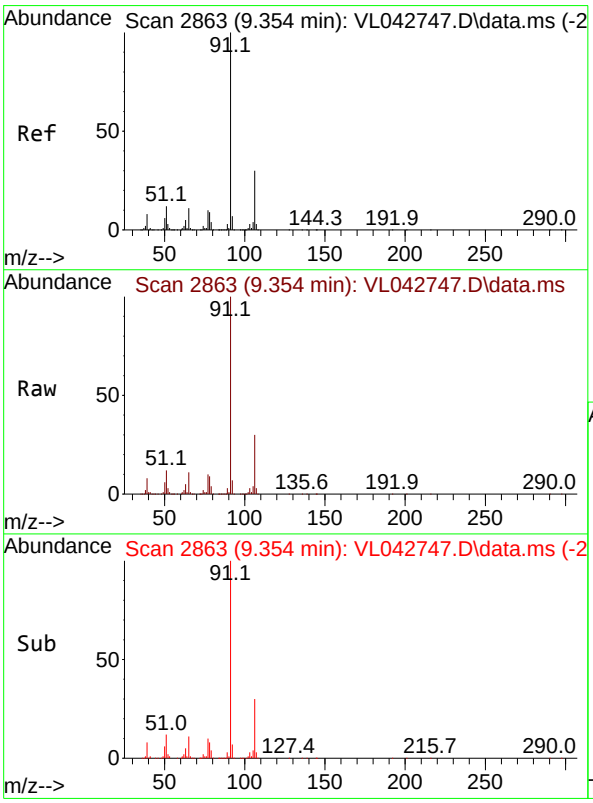
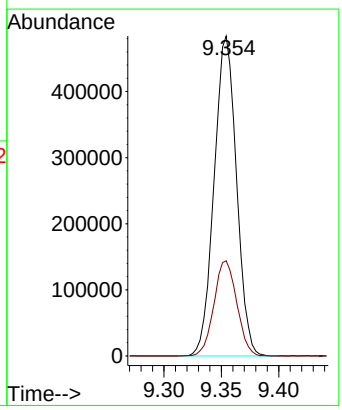
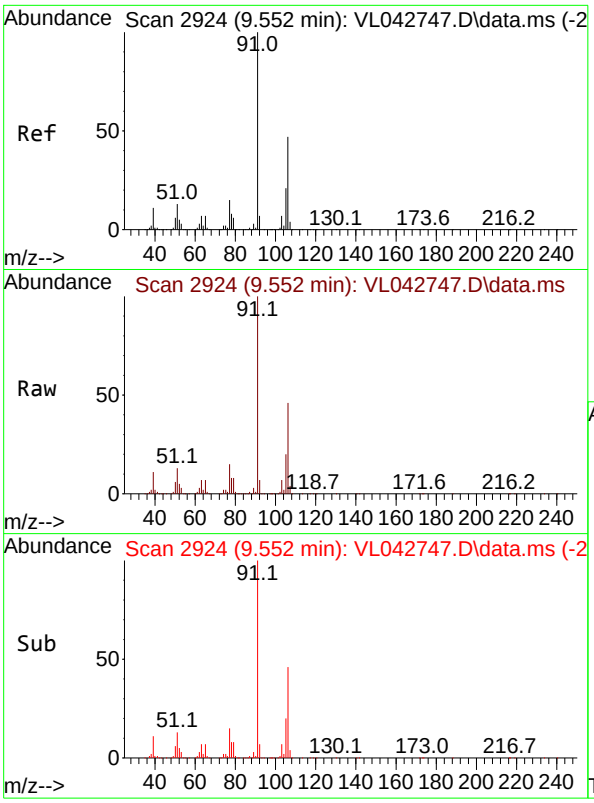


#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 655020

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

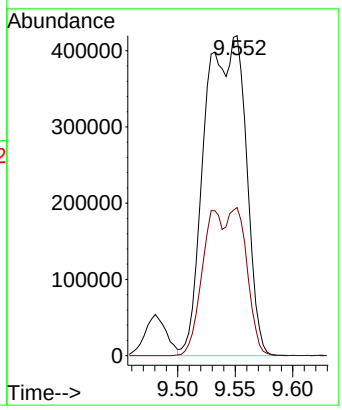




#59
m/p-Xylene
Concen: 19.555 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 104233

Ion	Ratio	Lower	Upper
91	100		
106	46.8	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
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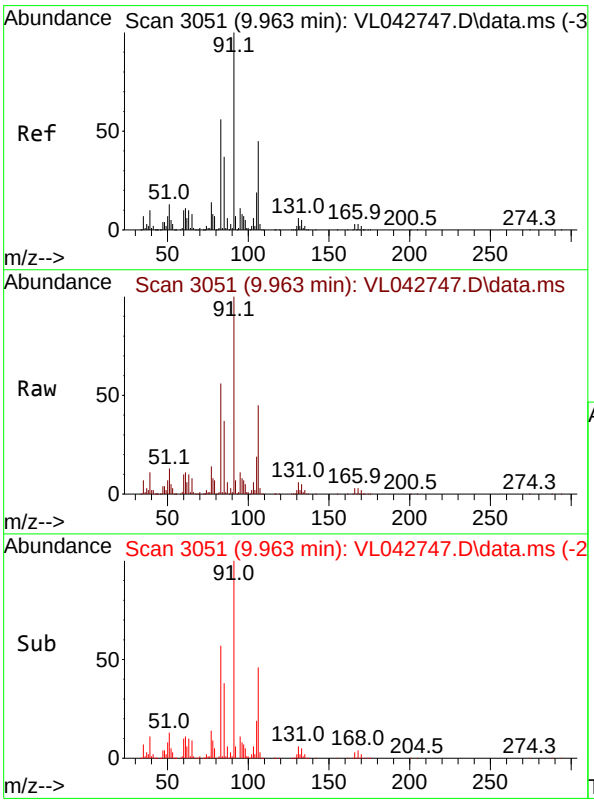
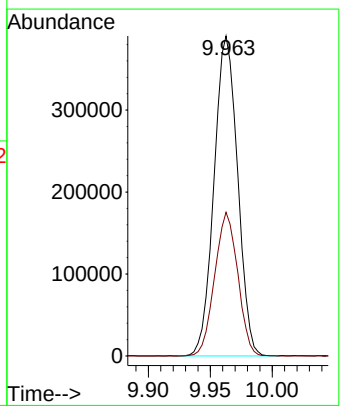
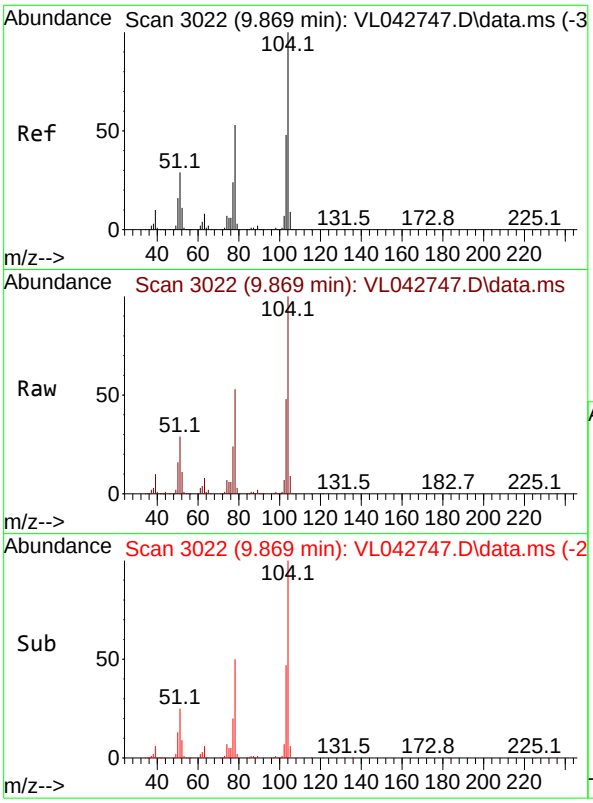


#60
o-Xylene
Concen: 9.715 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 517292

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0

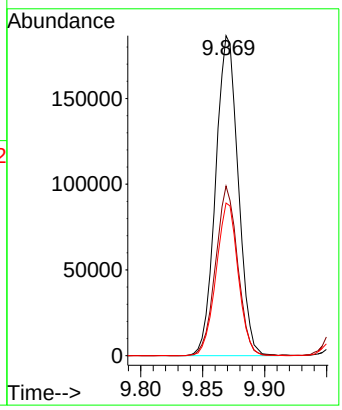




#61
Styrene
Concen: 10.568 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:104 Resp: 23670

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.9	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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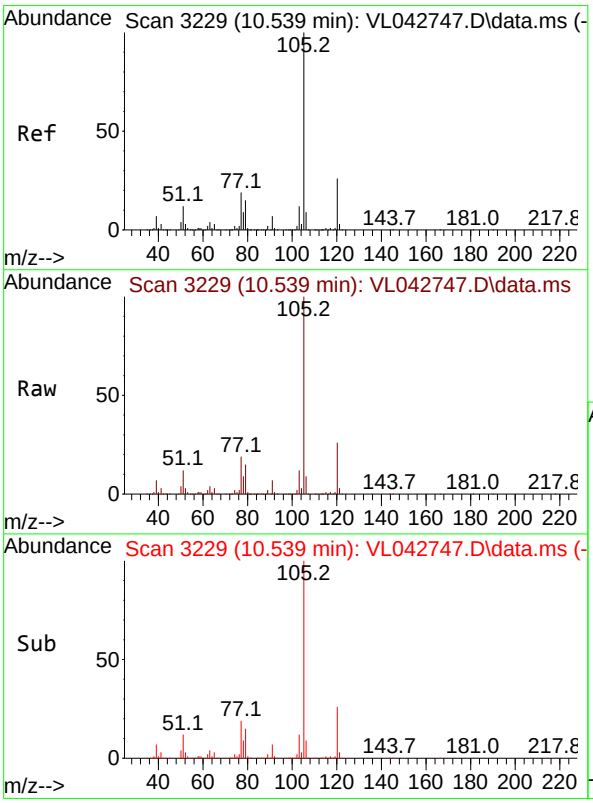
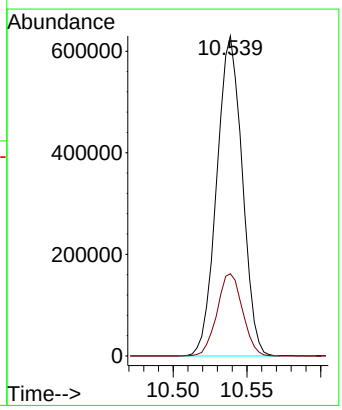
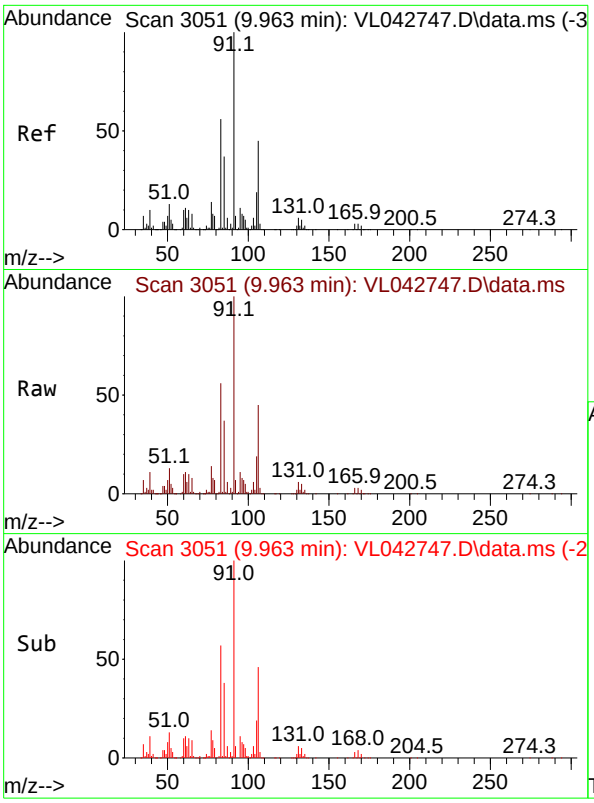


#62
Isopropylbenzene
Concen: 9.641 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 757219

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

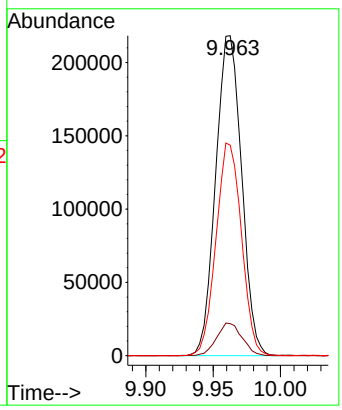




#63
1,1,2,2-Tetrachloroethane
Concen: 8.434 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 29256

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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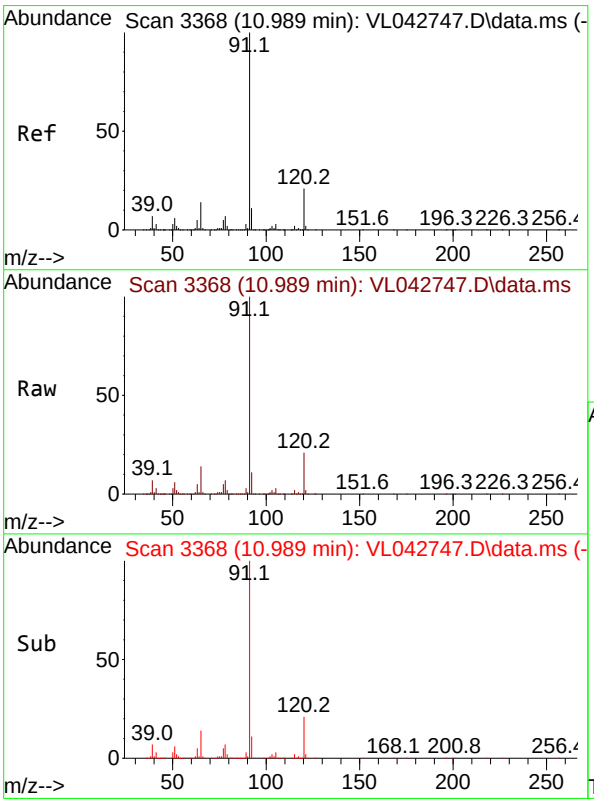
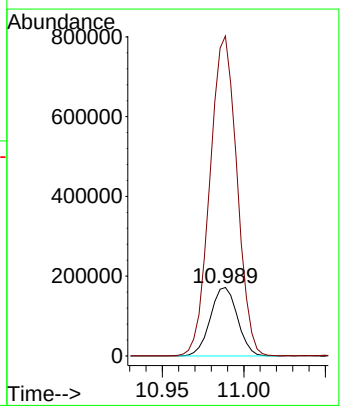
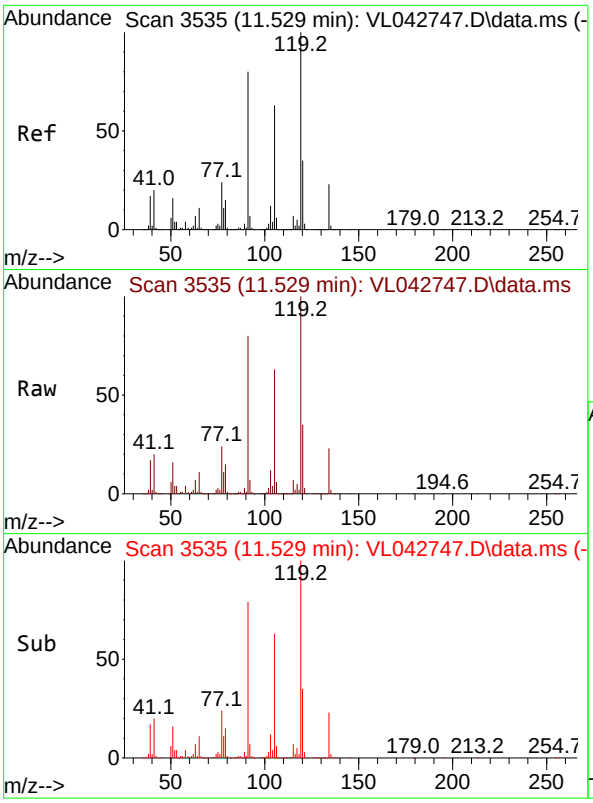


#64
n-propylbenzene
Concen: 9.675 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:120 Resp: 198109

Ion	Ratio	Lower	Upper
120	100		
91	465.9	372.7	559.1

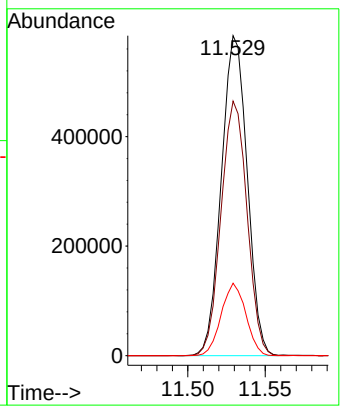




#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:119 Resp: 67817

Ion	Ratio	Lower	Upper
119	100		
91	80.0	64.0	96.0
134	21.6	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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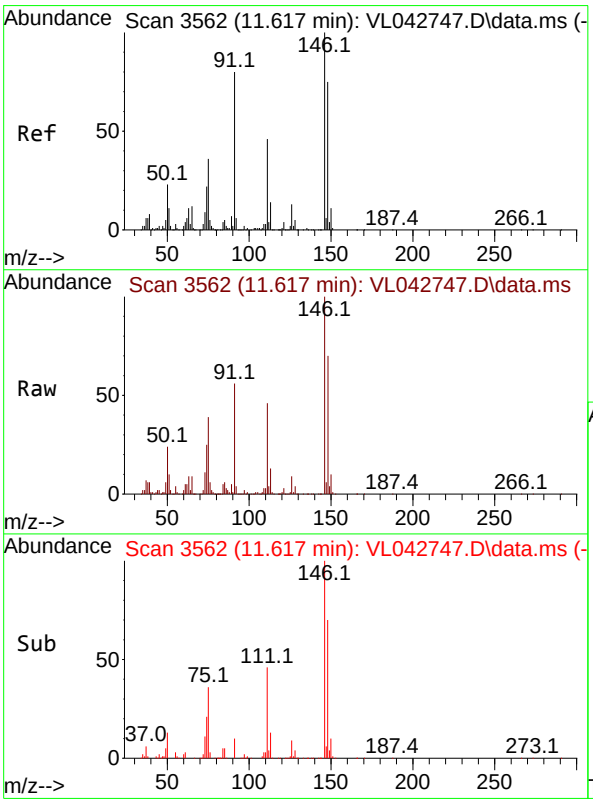
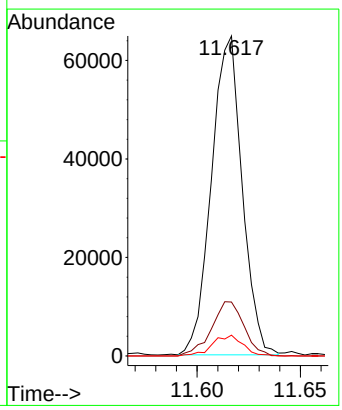
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

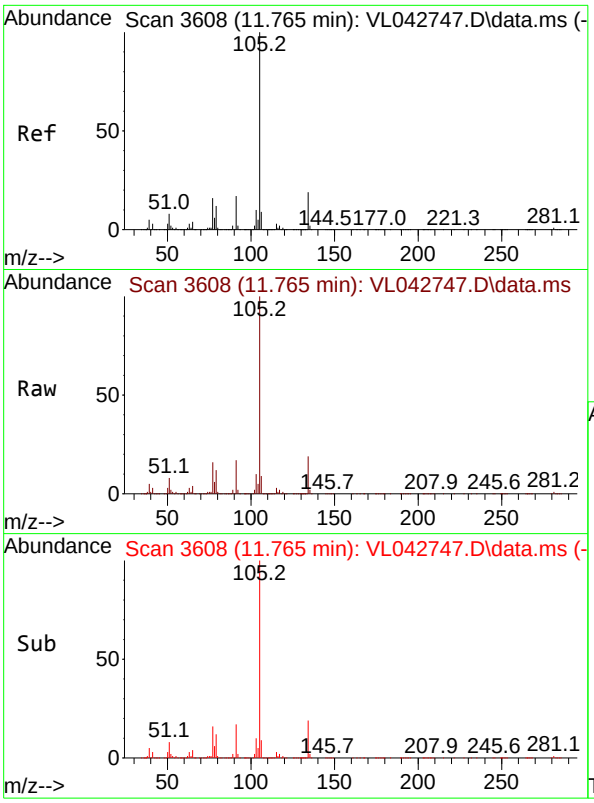


#66
Benzyl Chloride
Concen: 11.691 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 66954

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	6.5	5.2	7.8





#67
sec-Butylbenzene
Concen: 9.468 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 93939

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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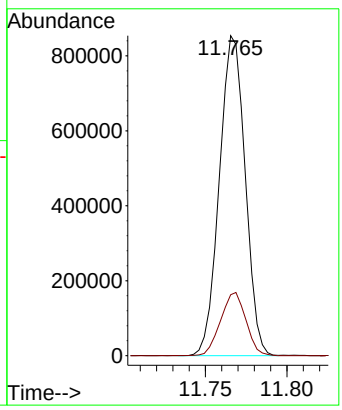
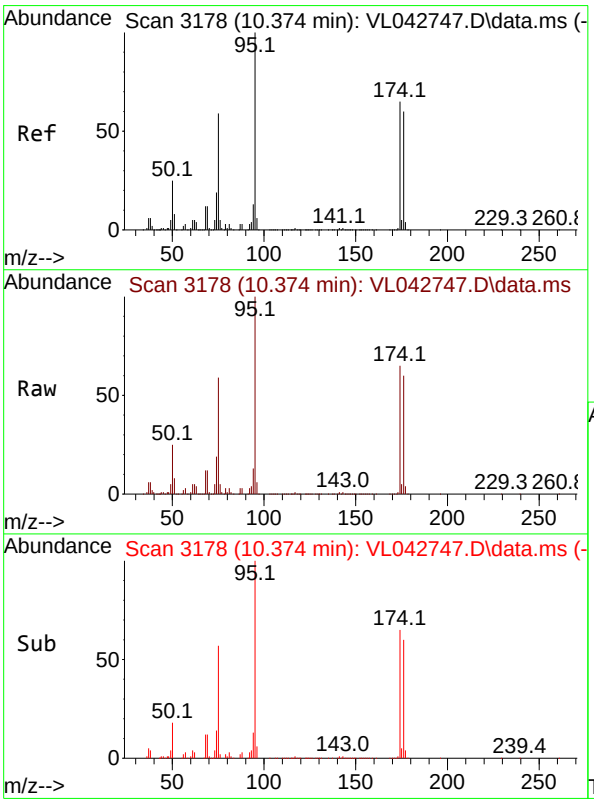
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

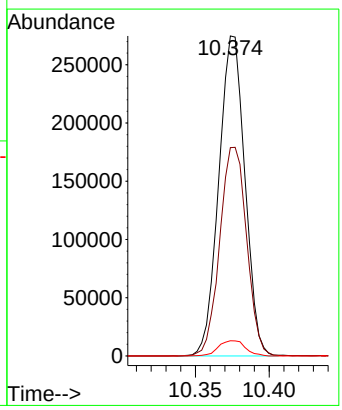


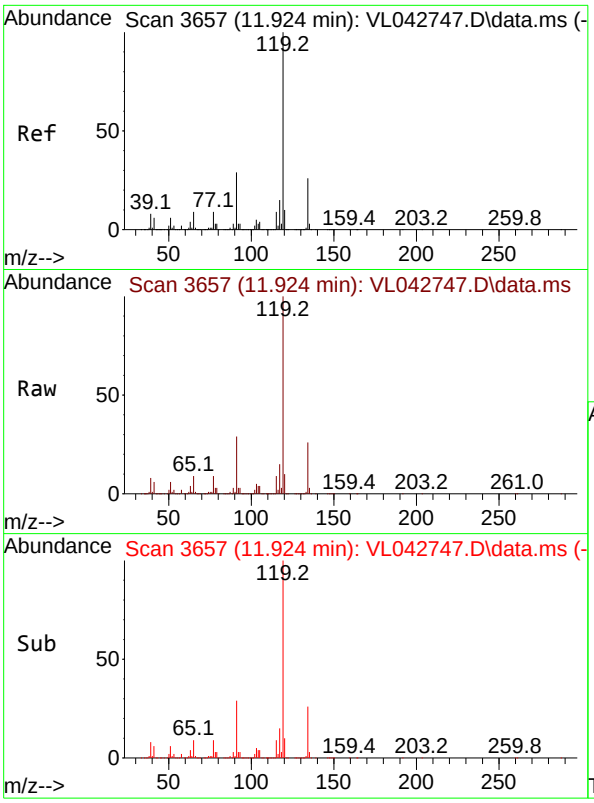


#68
1-Bromo-4-Fluorobenzene
Concen: 10.117 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 95 Resp: 338271

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.8	80.6
175	5.0	4.0	6.0

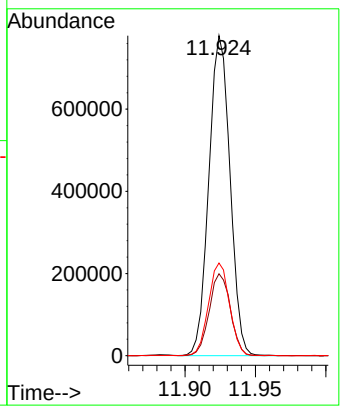




#69
p-Isopropyltoluene
Concen: 10.061 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:119 Resp: 81401

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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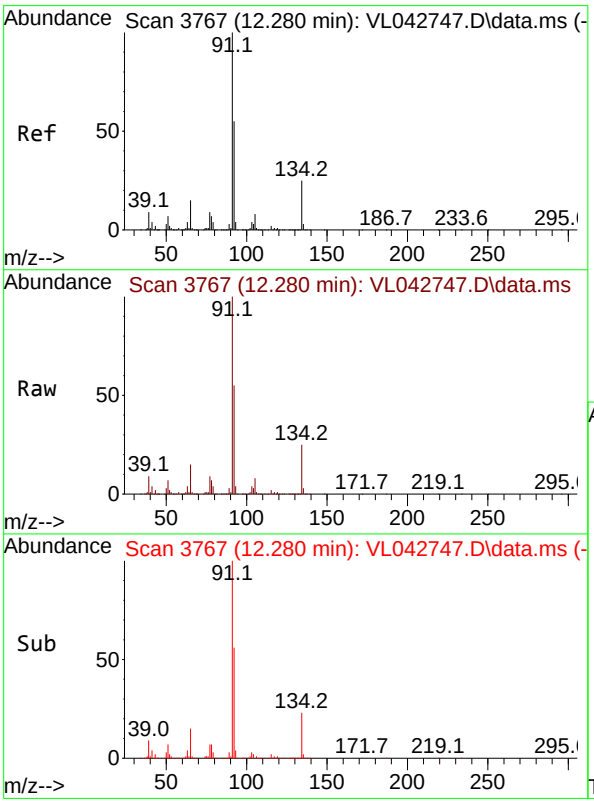
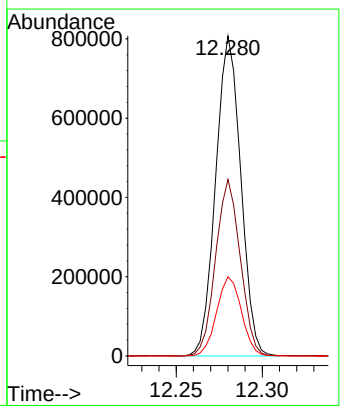
Supervised By :Mahesh Dadoda 07/24/2025

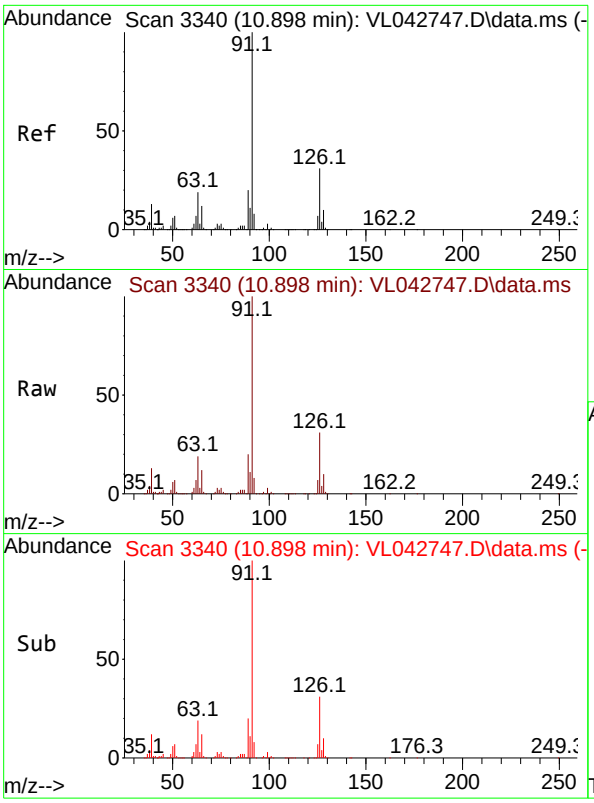


#70
n-Butylbenzene
Concen: 10.473 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 818457

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	24.5	19.6	29.4

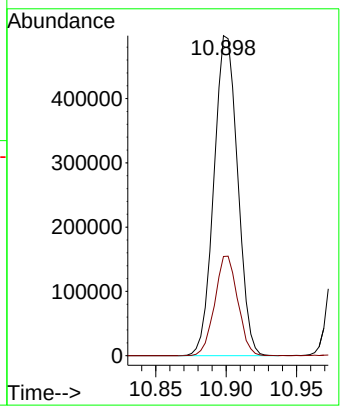




#71
2-Chlorotoluene
Concen: 9.708 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 58462

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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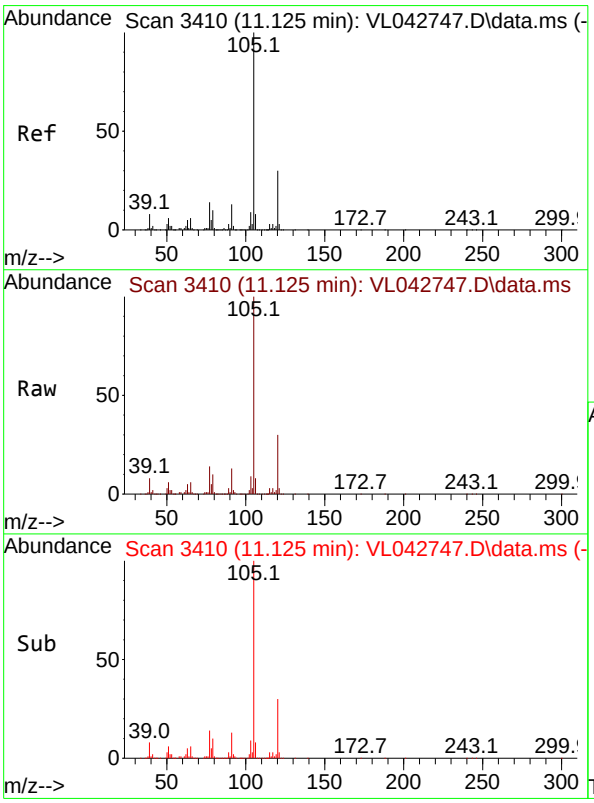
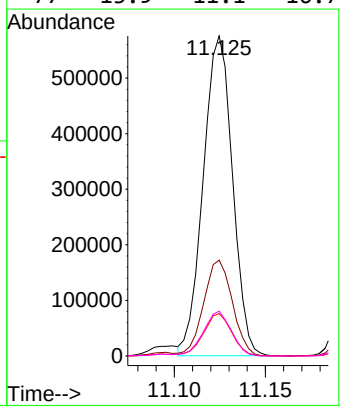
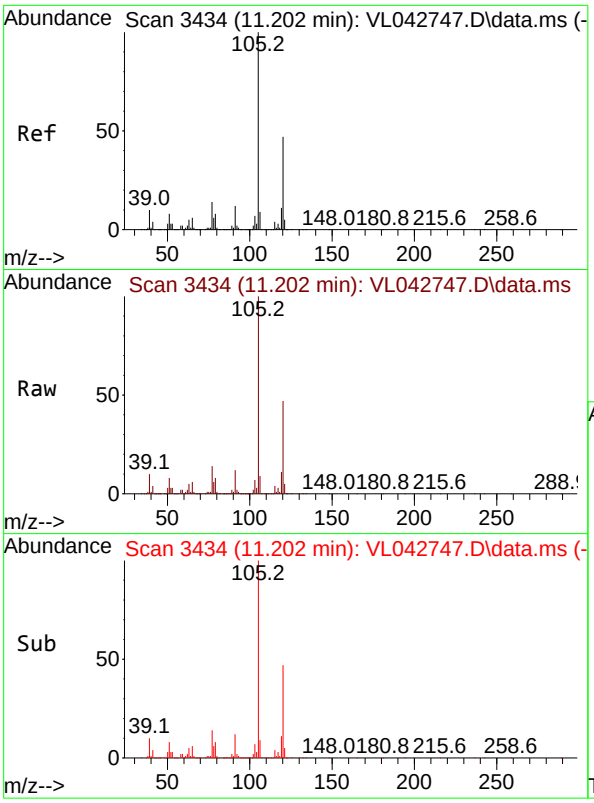


#72
4-Ethyltoluene
Concen: 10.120 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 643519

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.4	36.6
91	13.2	10.6	15.8
77	13.9	11.1	16.7

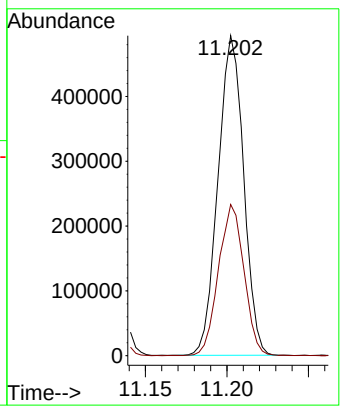




#73
1,3,5-Trimethylbenzene
Concen: 10.285 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 53845

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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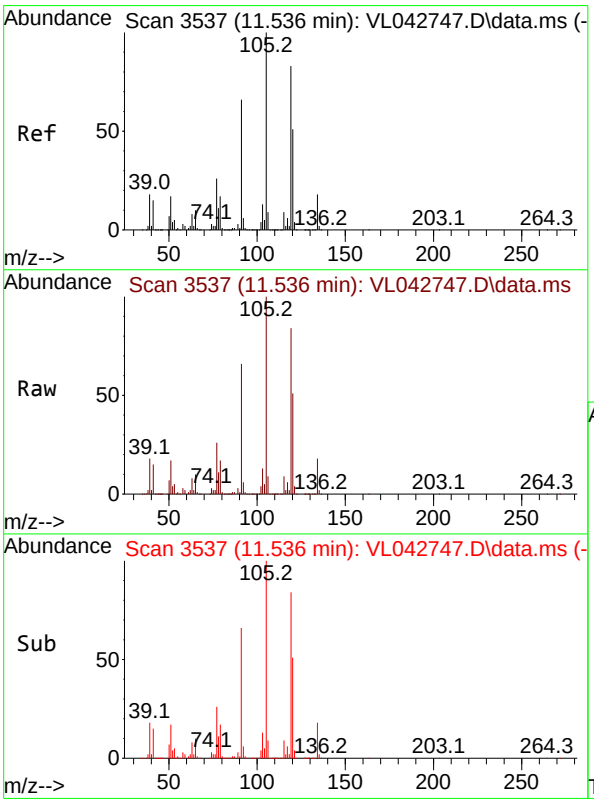
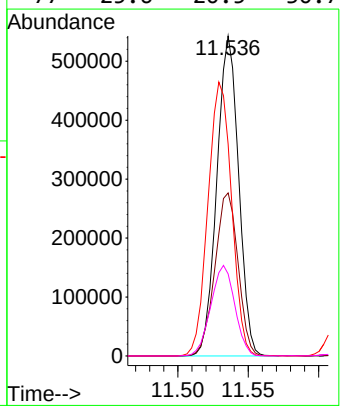
Supervised By :Mahesh Dadoda 07/24/2025

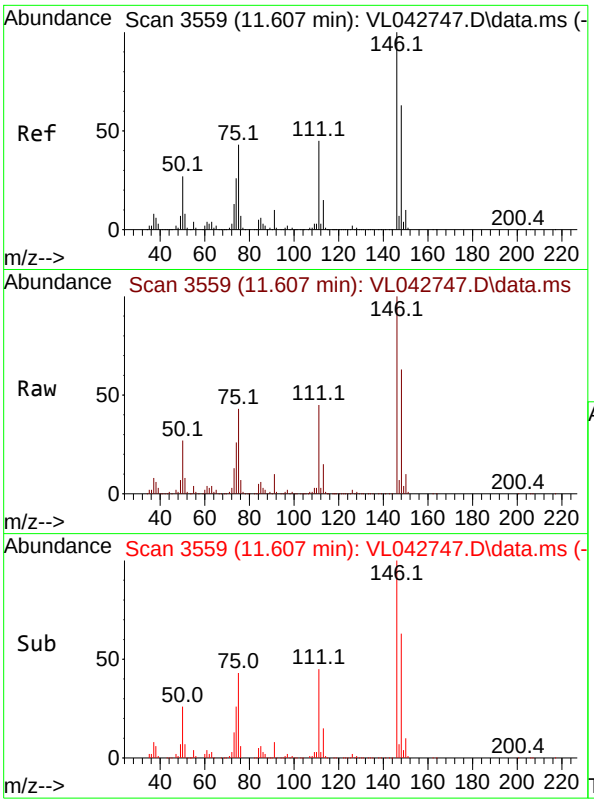


#74
1,2,4-Trimethylbenzene
Concen: 10.232 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 584447

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	66.2	53.0	79.4
77	25.6	20.5	30.7

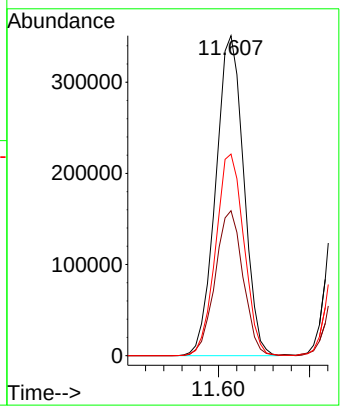




#75
1,3-Dichlorobenzene
Concen: 9.355 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 37458

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.7	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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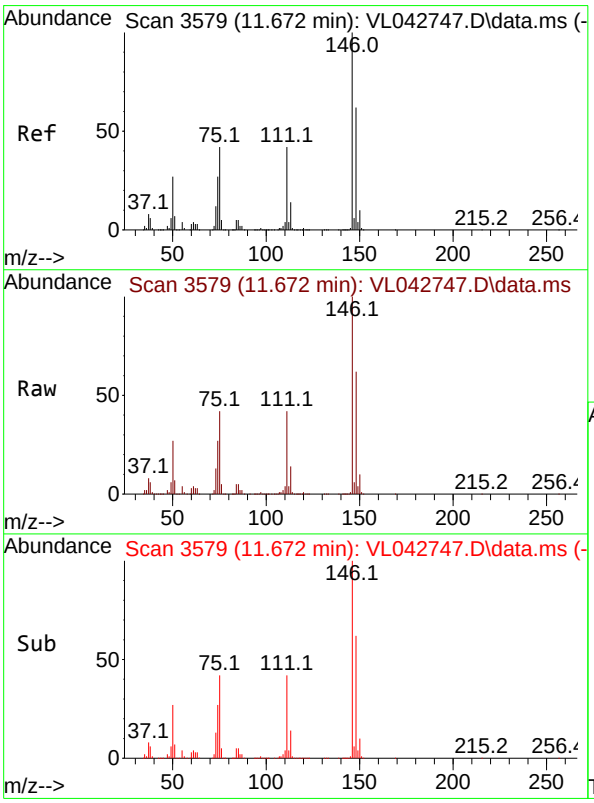
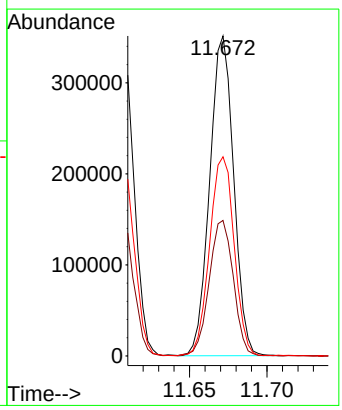
Supervised By :Mahesh Dadoda 07/24/2025

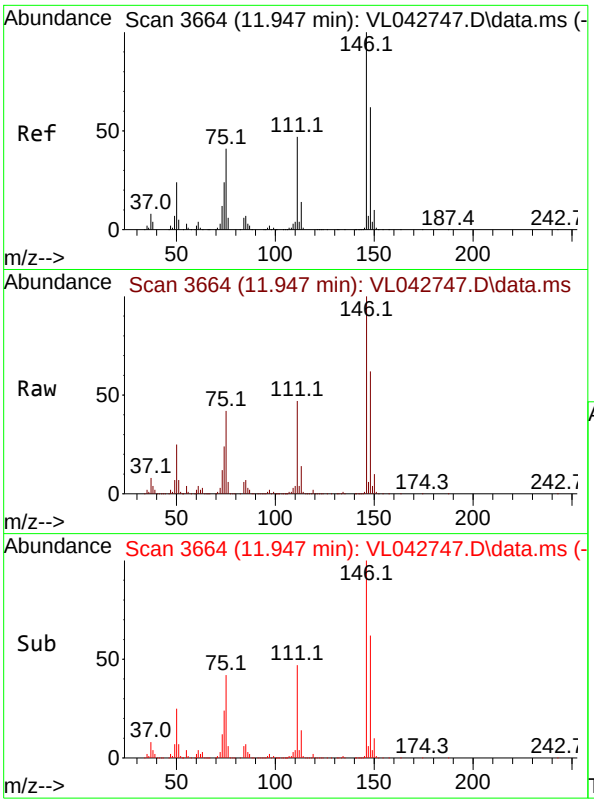


#76
1,4-Dichlorobenzene
Concen: 9.649 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 378093

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	64.2	32.1	96.3

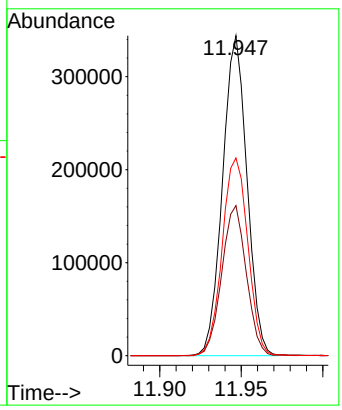




#77
1,2-Dichlorobenzene
Concen: 9.102 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 35820

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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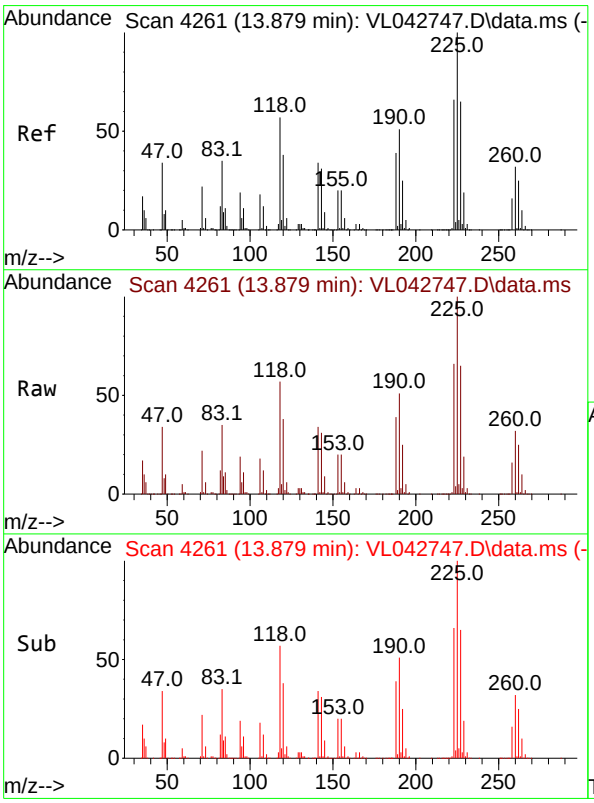
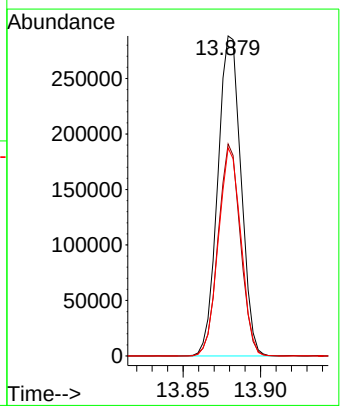
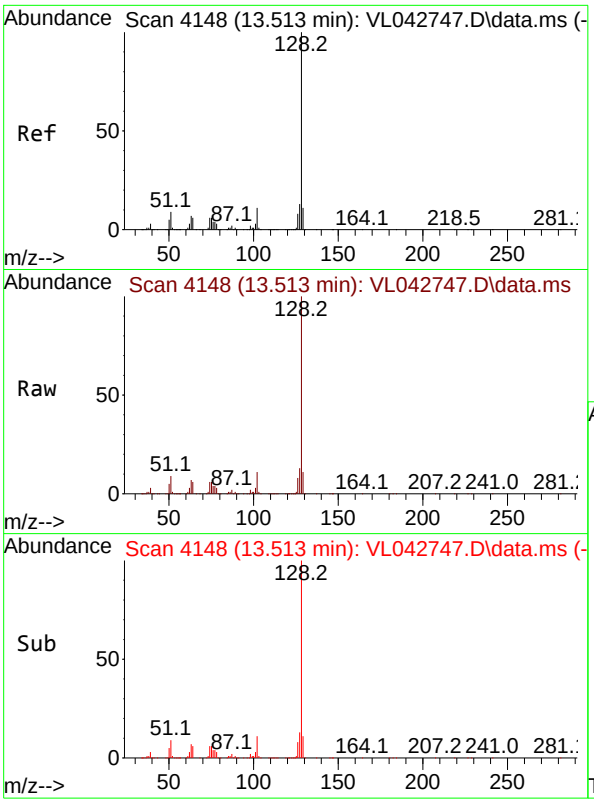


#78
Hexachloro-1,3-Butadiene
Concen: 8.444 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:225 Resp: 300801

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.1	50.5	75.7

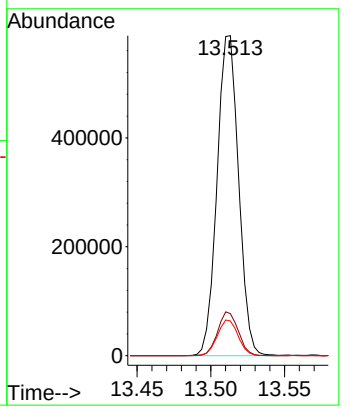




#79
Naphthalene
Concen: 9.665 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:128 Resp: 59810

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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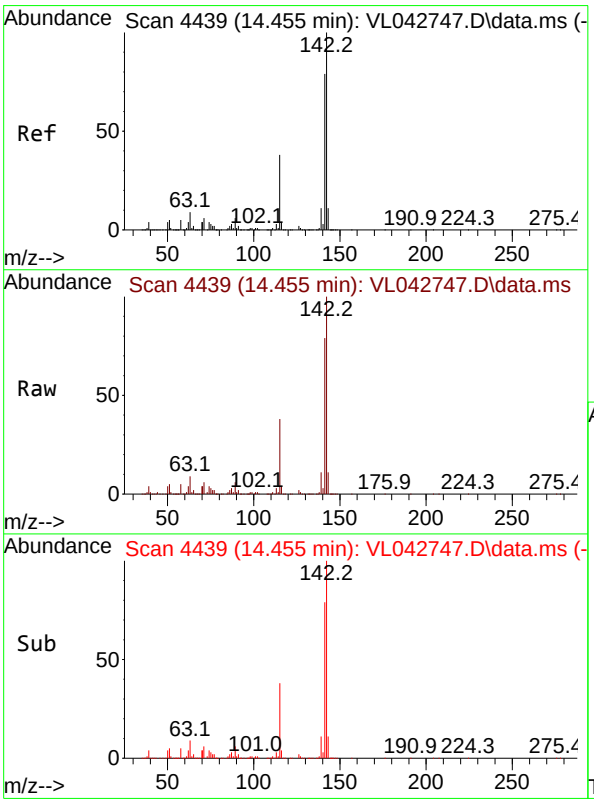
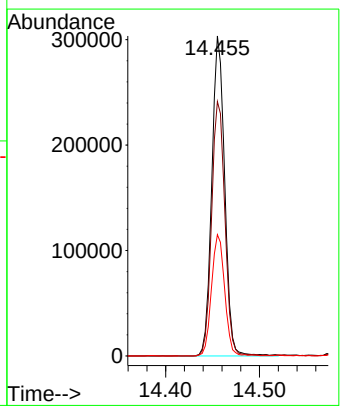
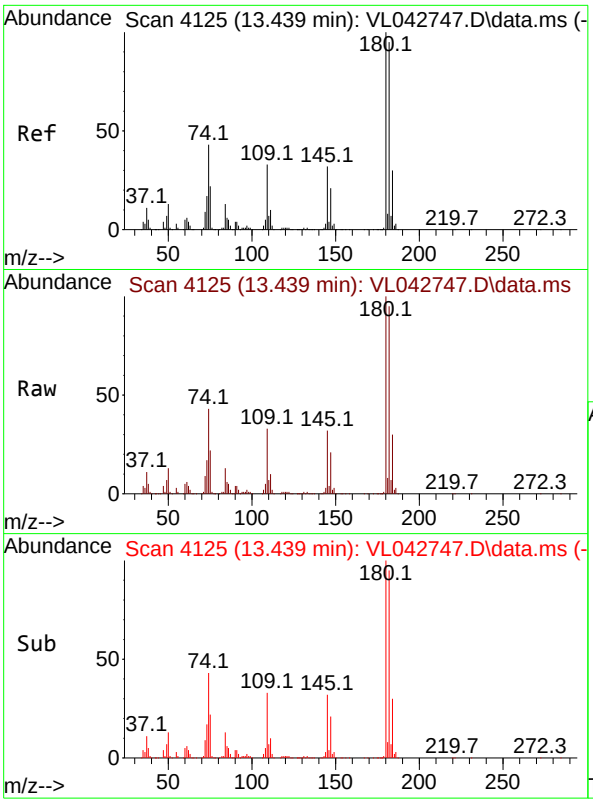


#80
Naphthalene,2-methyl-
Concen: 9.404 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:142 Resp: 289412

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	38.9	31.2	46.8

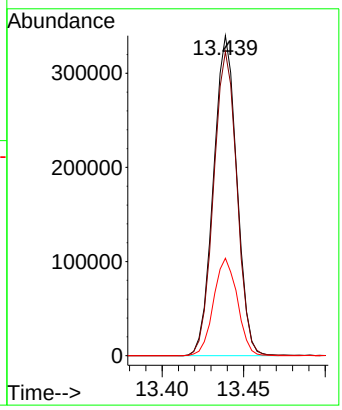




#81
1,2,4-Trichlorobenzene
Concen: 9.710 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:180 Resp: 33777

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	31.0	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.780	49	158575	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	330476	10.160	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv		98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv		99
4) Chloromethane	1.531	50	16834	1.985	ppbv		100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv		92
6) Bromomethane	1.664	94	5754	1.776	ppbv		83
7) Chloroethane	1.703	64	6001	1.853	ppbv		93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv		100
9) Propene	1.483	41	21592	2.175	ppbv		97
10) Heptane	4.965	43	56442m	2.114	ppbv		
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv		99
13) Ethanol	1.719	45	2321	2.155	ppbv		78
14) Bromoethene	1.780	108	12078	2.077	ppbv	#	96
15) Acetone	1.832	43	48226	2.202	ppbv		100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv		96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv		93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv	#	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv		97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv		97
22) trans-1,2-Dichloroethene	2.337	96	16591m	2.081	ppbv		
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv	#	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv		99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv		99
26) Hexane	2.822	57	45446	2.137	ppbv		99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv	#	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv		96
29) Chloroform	2.842	83	67755	2.062	ppbv		97
30) Cyclohexane	3.845	84	38095m	2.113	ppbv		
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv		98
34) 2-Butanone	2.551	43	69674	2.149	ppbv		99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv		97
36) Benzene	3.648	78	91141	2.101	ppbv		94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv		98
38) Trichloroethene	4.538	130	40713	1.946	ppbv		90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv		94
40) 1,4-Dioxane	4.583	88	15890m	2.104	ppbv		
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv		94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv		94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv		95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv		99
45) t-1,3-Dichloropropene	6.405	75	34331m	1.984	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	43845m	2.000	ppbv		
47) 1,1,2-Trichloroethane	6.567	97	35222m	2.063	ppbv		
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv		96
49) Bromoform	9.477	173	47340	2.003	ppbv		96
50) 4-Methyl-2-Pentanone	5.748	43	87566m	2.120	ppbv		
51) 2-Hexanone	7.431	43	68093	2.157	ppbv	#	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv		94
53) Toluene	6.923	91	98346	2.111	ppbv		100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv		92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv	#	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv		97
59) m/p-Xylene	9.545	91	222465m	4.290	ppbv		
60) o-Xylene	9.956	91	113462	2.190	ppbv		99
61) Styrene	9.865	104	45351	2.081	ppbv		100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv		100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv		98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv		98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv		98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv		99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv		99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv		99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv		98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv		98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv		95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv		99
79) Naphthalene	13.510	128	79191	1.690	ppbv		98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv		90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv		99

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

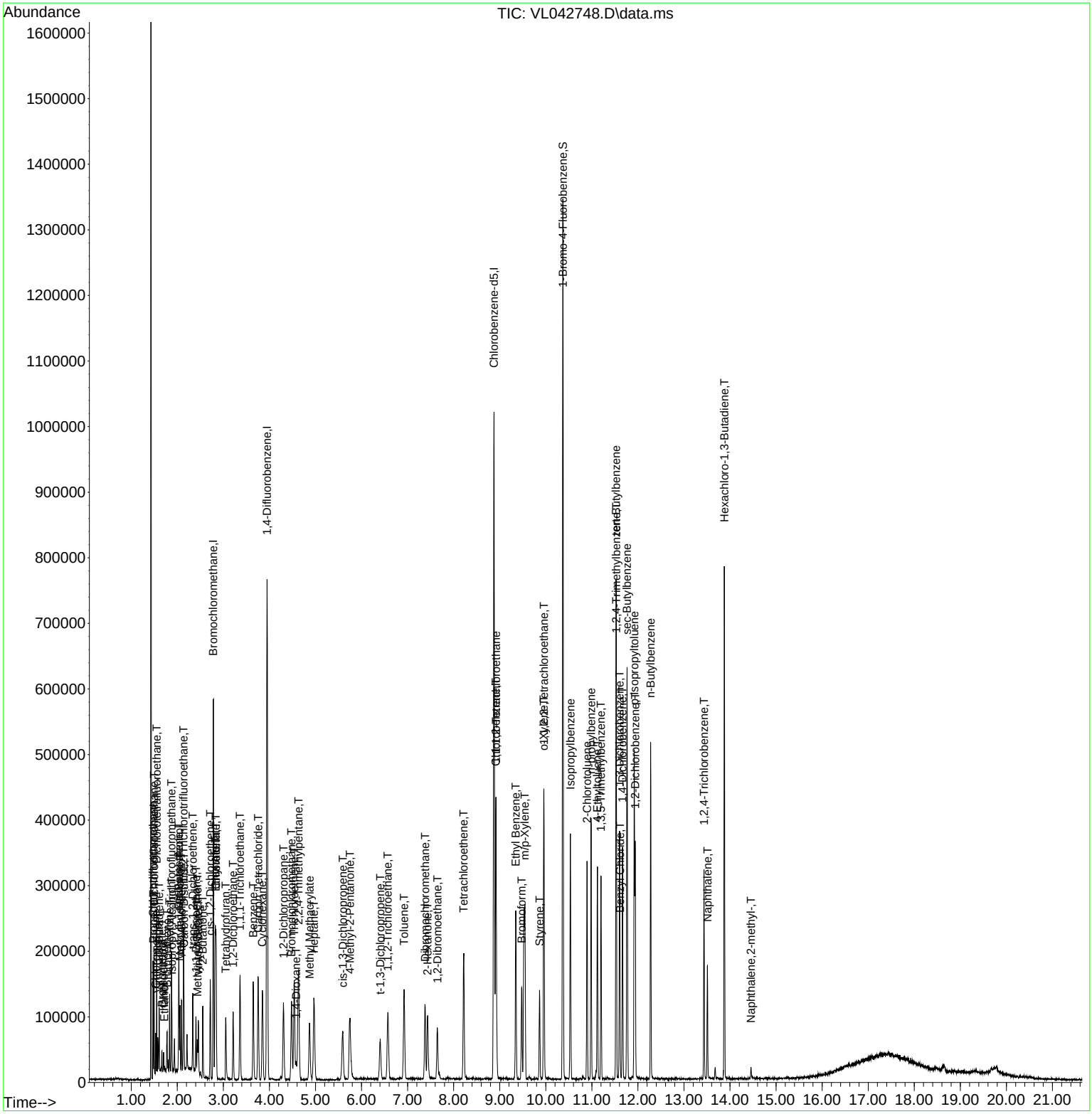
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

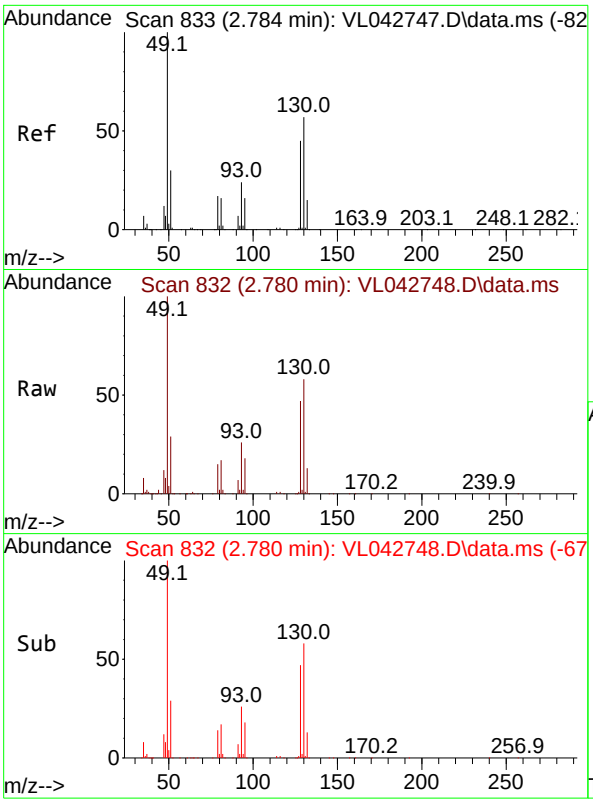
Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

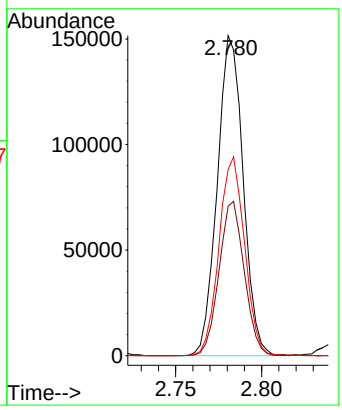




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 49 Resp: 15857

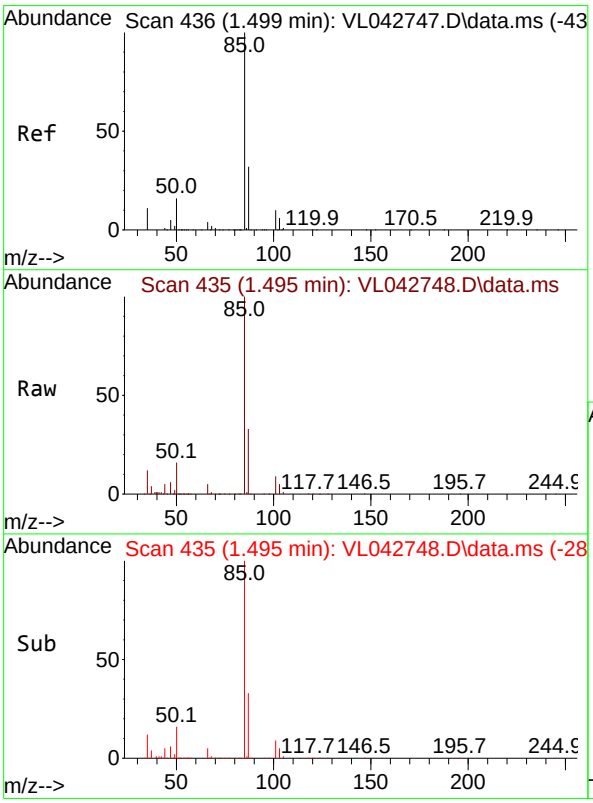
Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.6	71.0
130	61.6	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

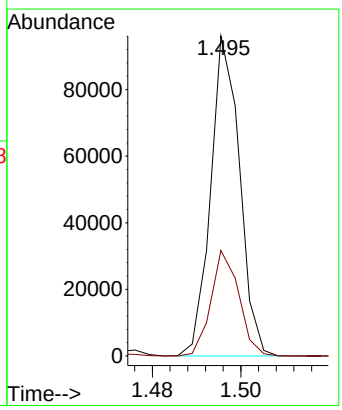
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

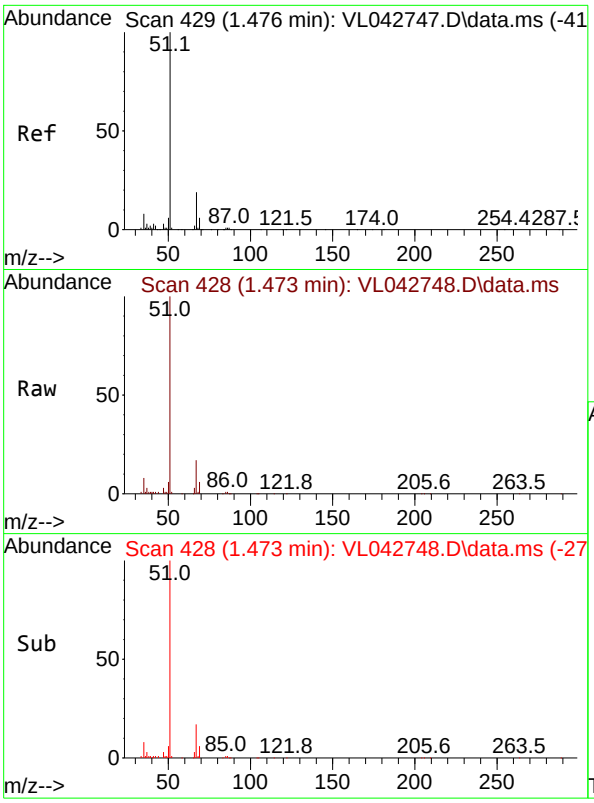


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2

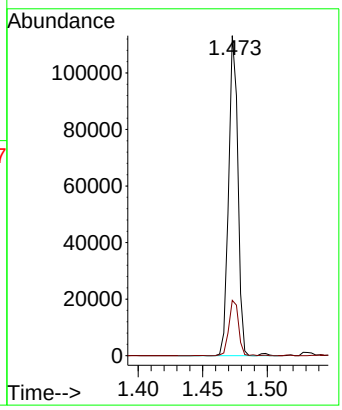




#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 51 Resp: 5621

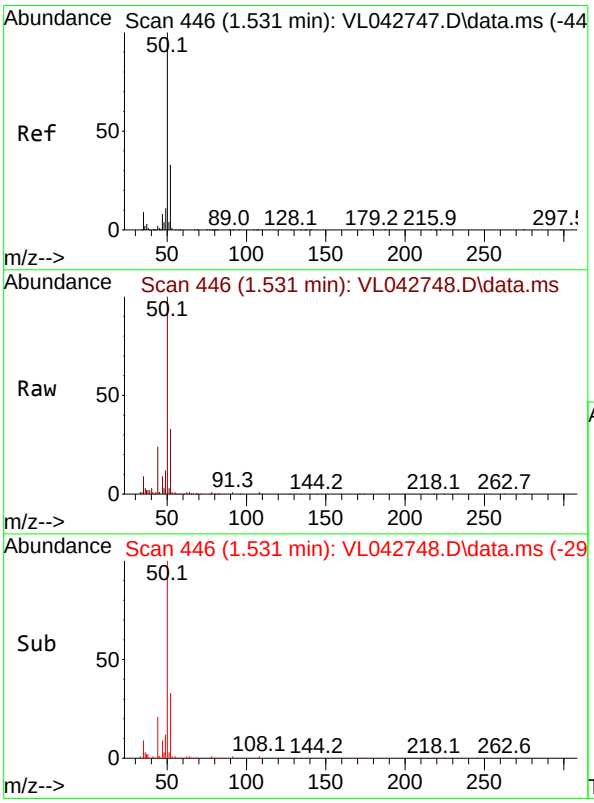
Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

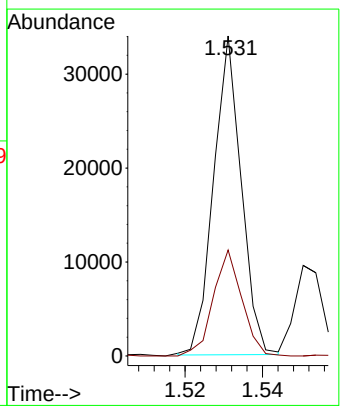
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

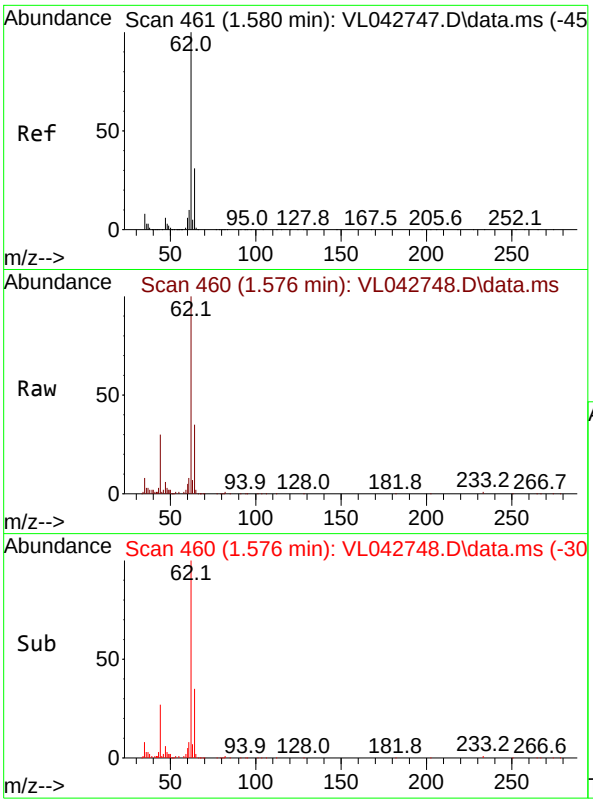


#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	40.0

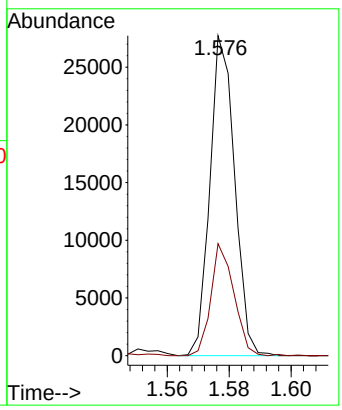




#5
Vinyl Chloride
Concen: 1.836 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 62 Resp: 1538

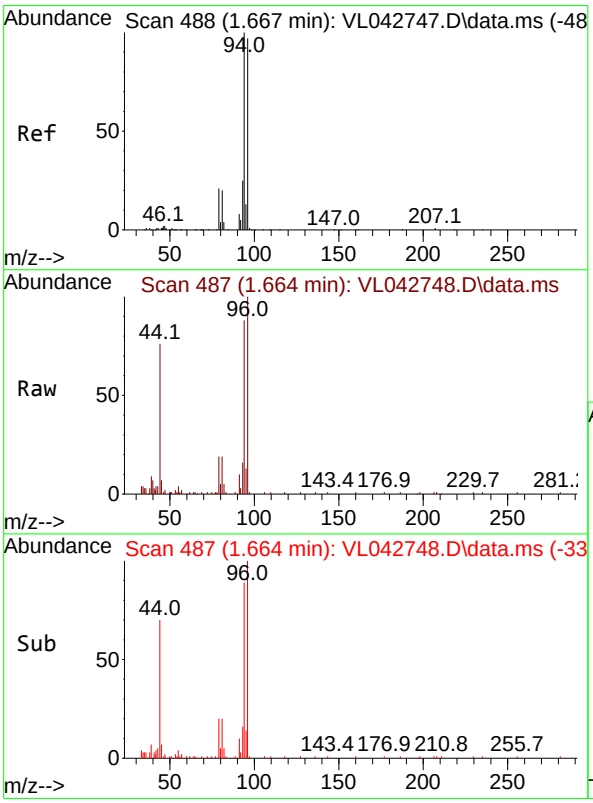
Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

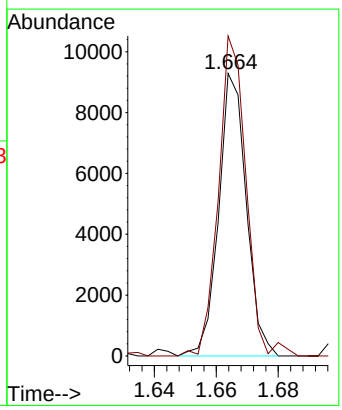
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

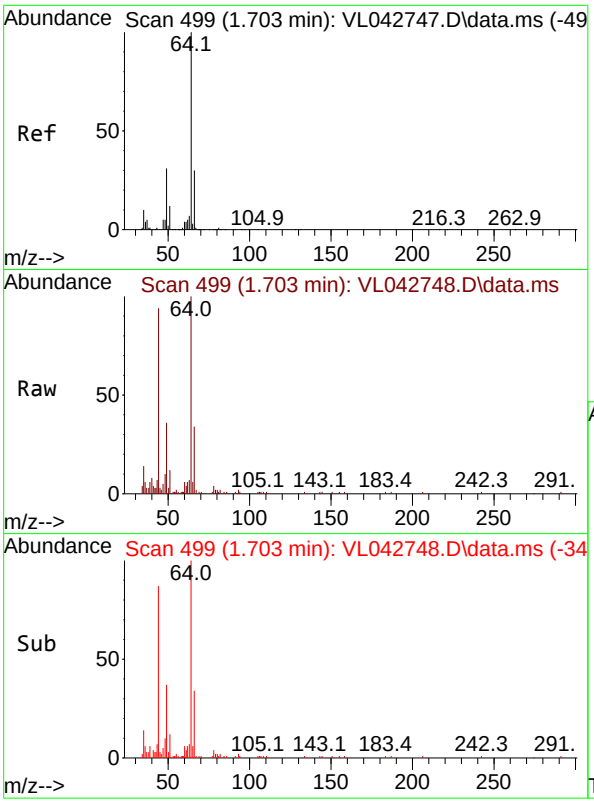


#6
Bromomethane
Concen: 1.776 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 94 Resp: 5754

Ion	Ratio	Lower	Upper
94	100		
96	113.3	77.6	116.4

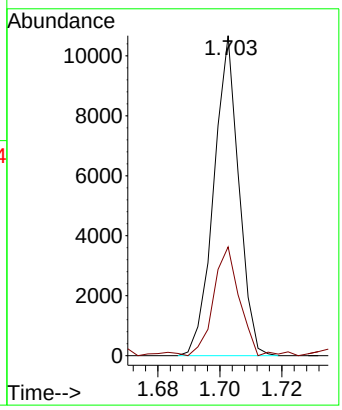




#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 64 Resp: 600

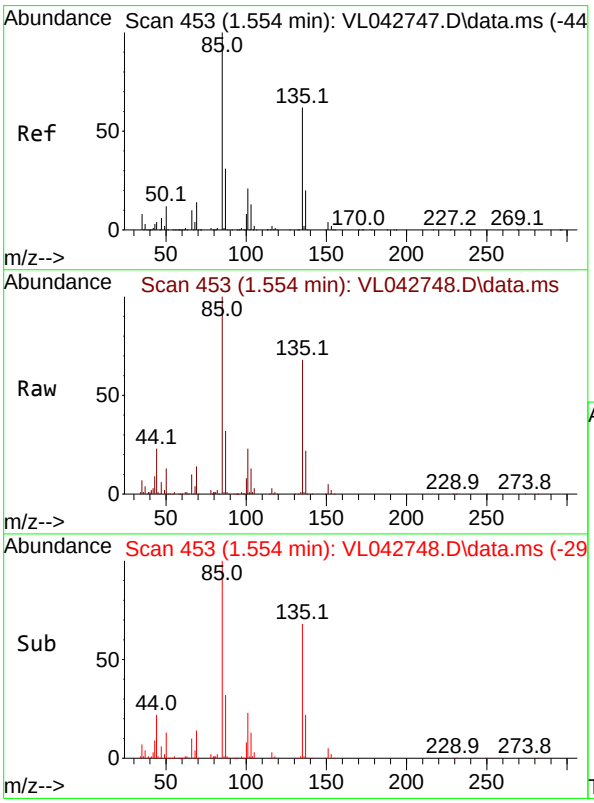
Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

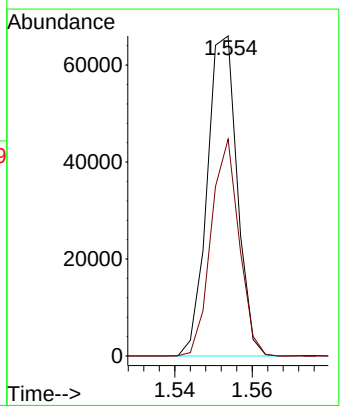
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

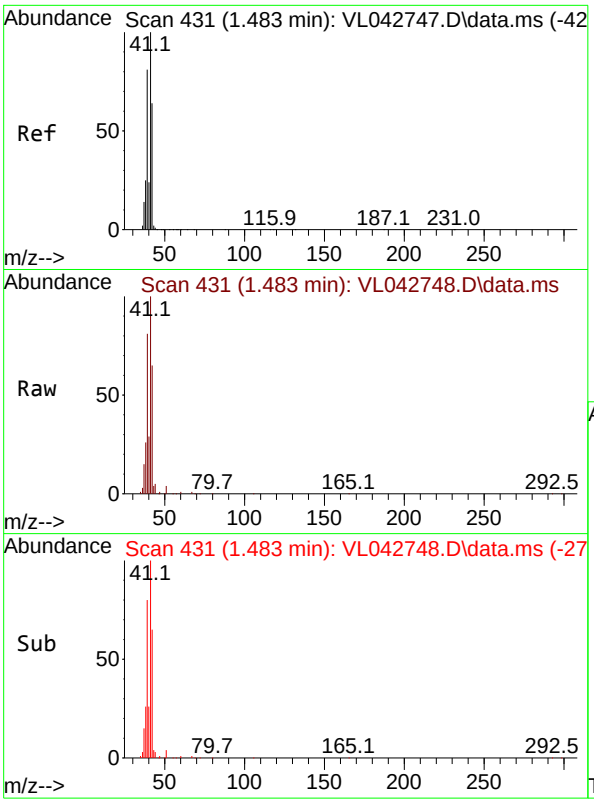


#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 35629

Ion	Ratio	Lower	Upper
85	100		
135	63.0	50.6	76.0

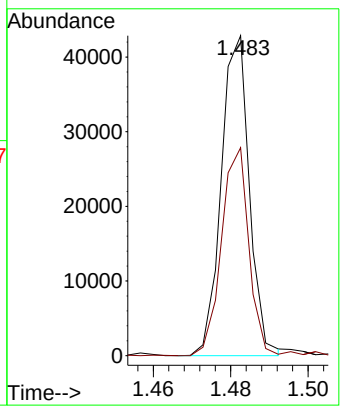




#9
Propene
Concen: 2.175 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 41 Resp: 2159

Ion	Ratio	Lower	Upper
41	100		
42	64.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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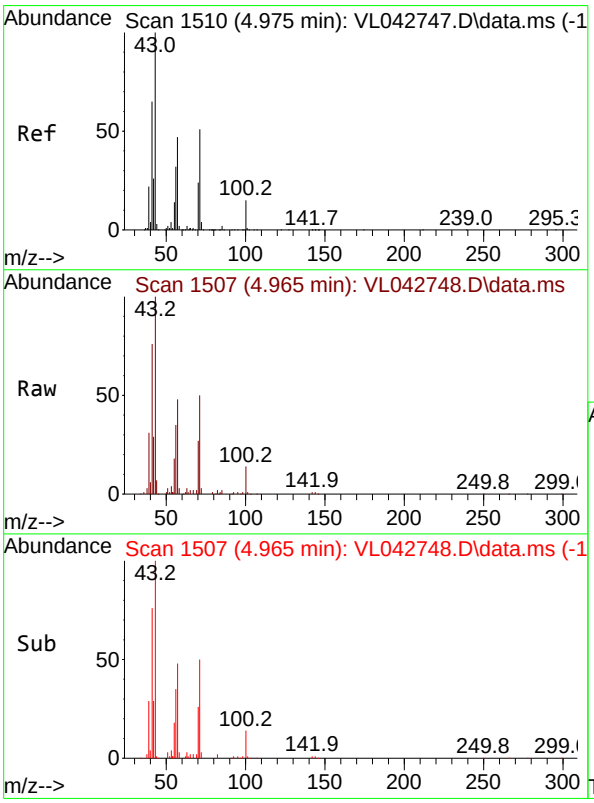
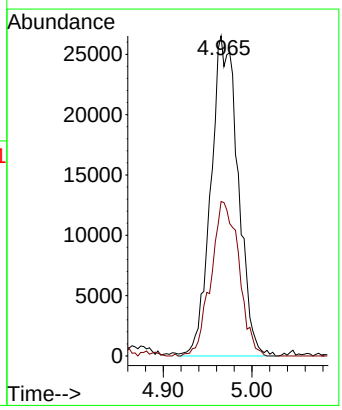
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

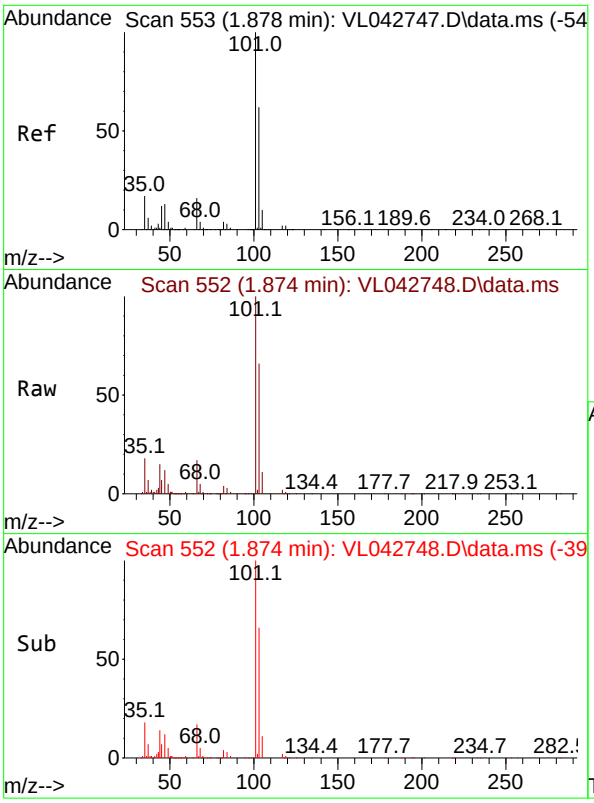


#10
Heptane
Concen: 2.114 ppbv m
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 56442

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.9	59.9

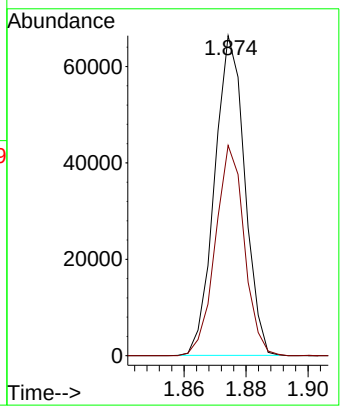




#11
Trichlorofluoromethane
Concen: 2.072 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 4477

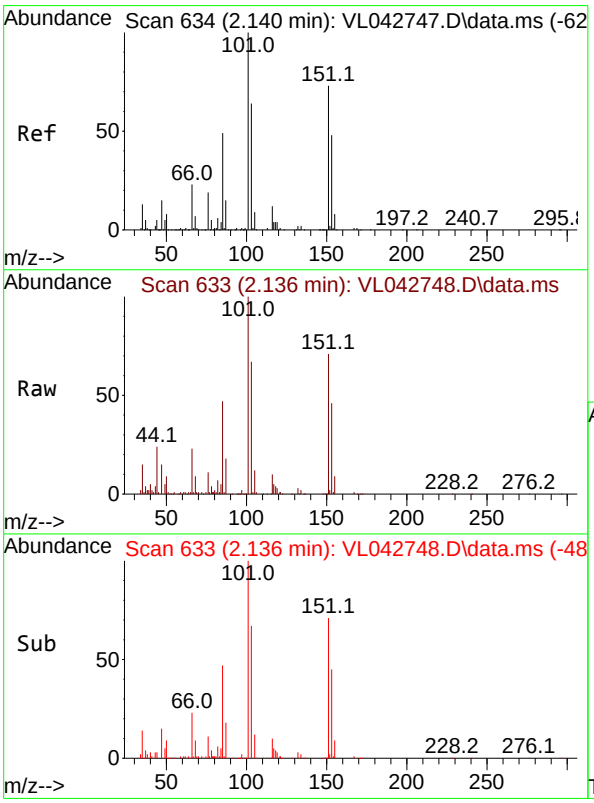
Ion	Ratio	Lower	Upper
101	100		
103	65.8	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

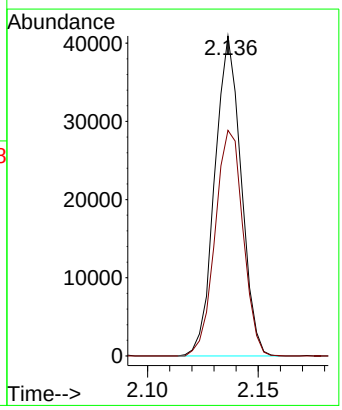
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

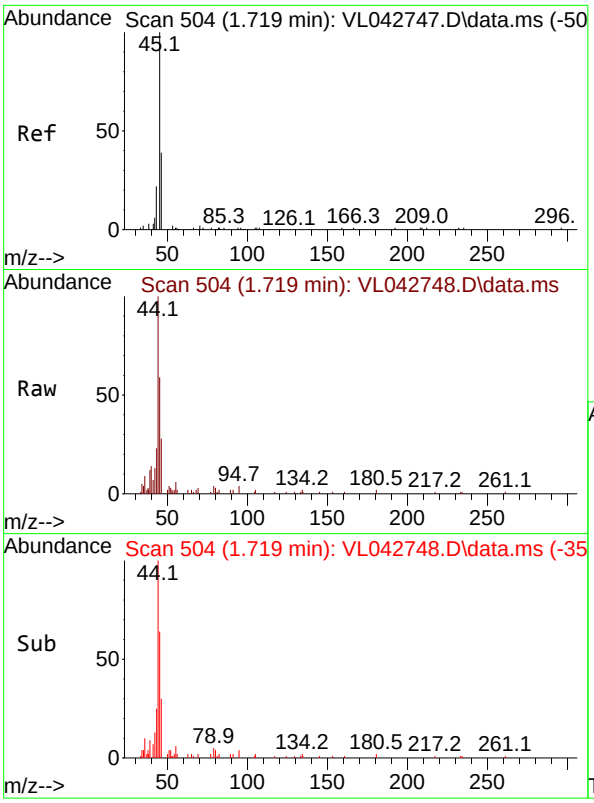


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.065 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 33910

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7

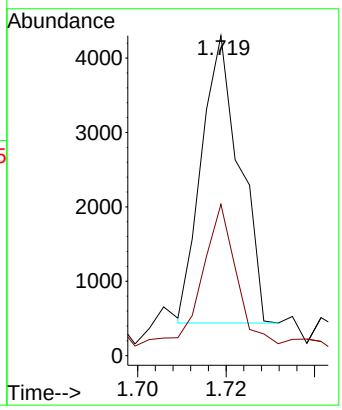




#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 45 Resp: 232

Ion	Ratio	Lower	Upper
45	100		
46	58.7	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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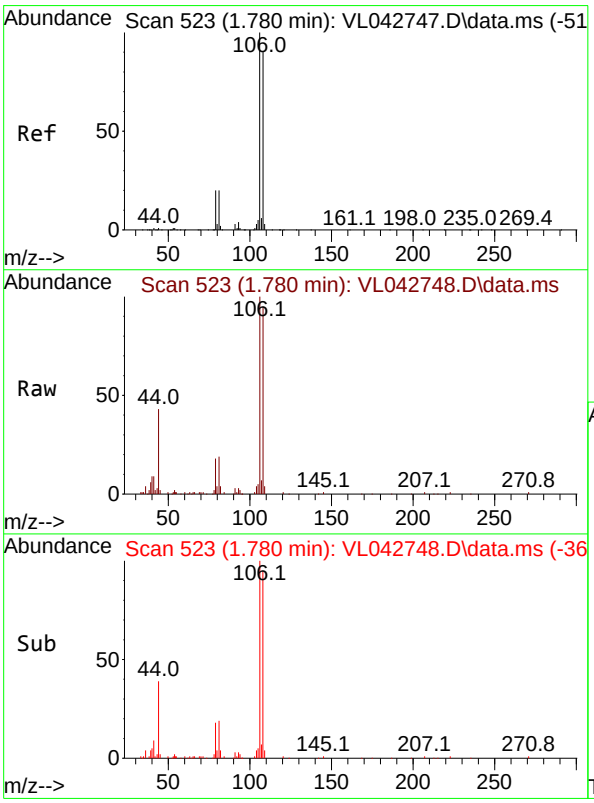
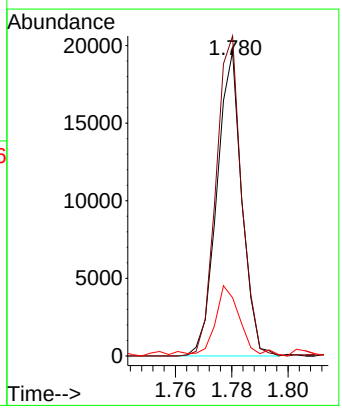
Supervised By :Mahesh Dadoda 07/24/2025

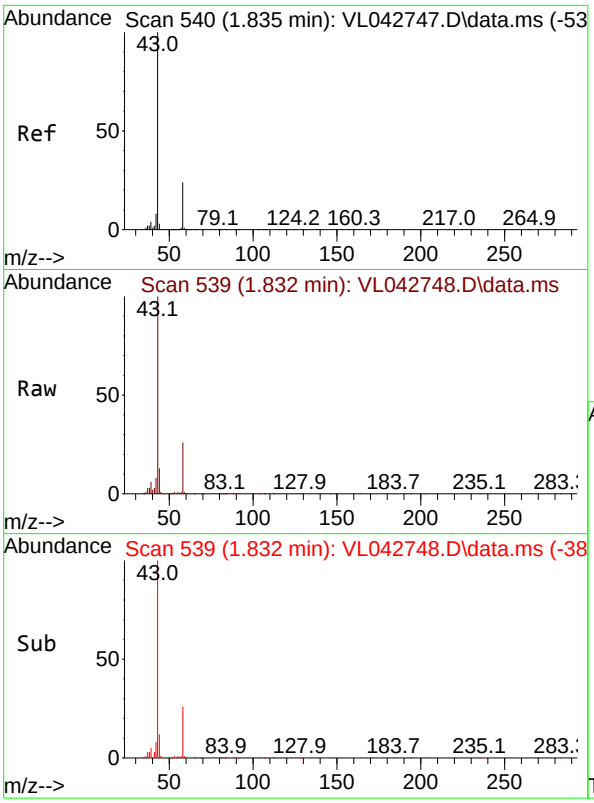


#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:108 Resp: 12078

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.7	127.1
79	29.2	17.4	26.2#

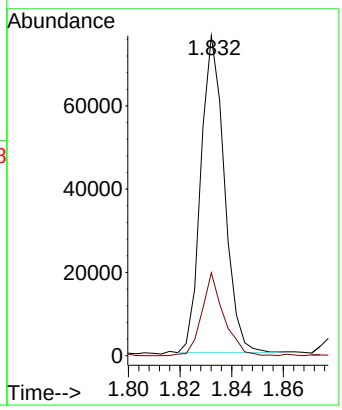




#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 4822

Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.8	29.8



Instrument :
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ClientSampleId :
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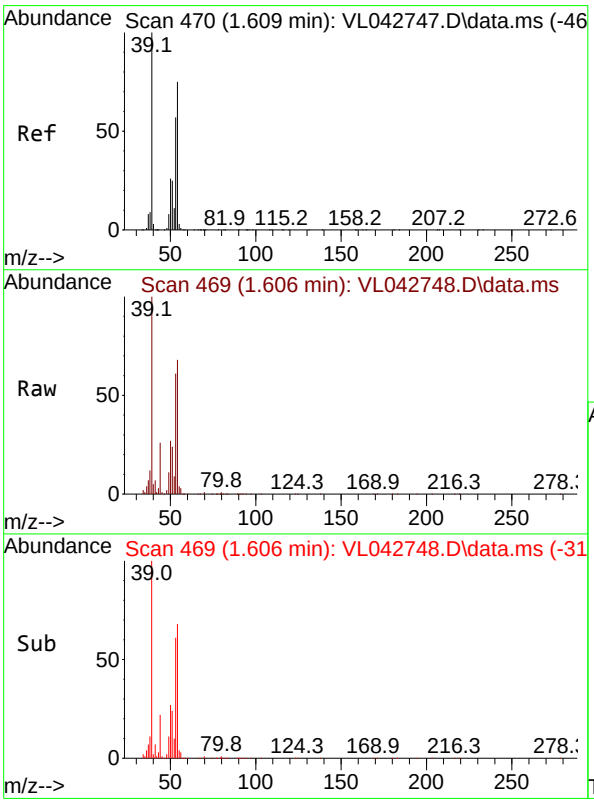
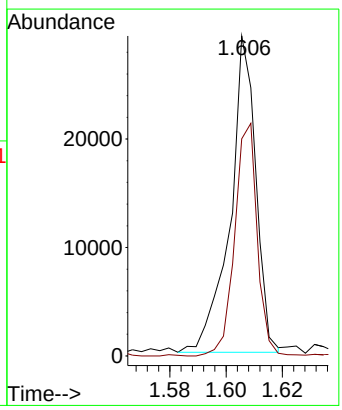
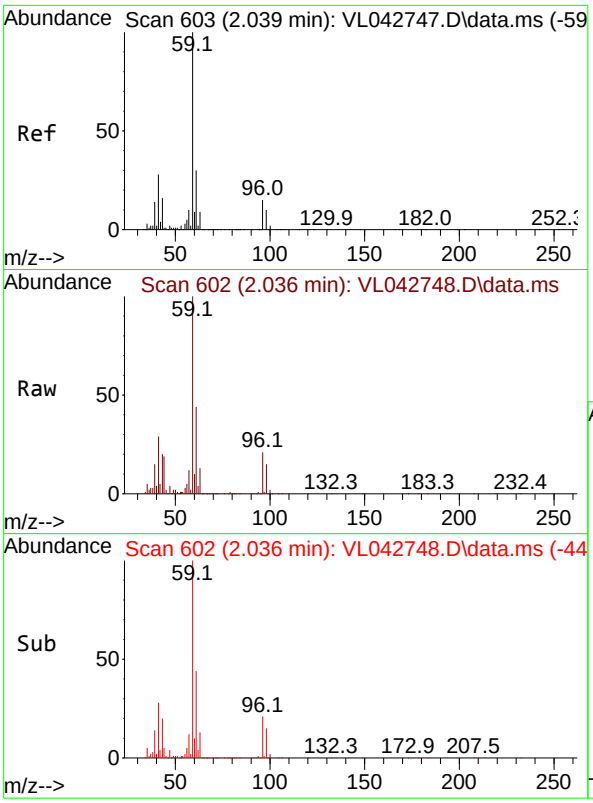


#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 39 Resp: 18504

Ion	Ratio	Lower	Upper
39	100		
54	65.0	54.5	81.7





#17
tert-Butyl alcohol
Concen: 2.032 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 59 Resp: 4013

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5

Instrument :
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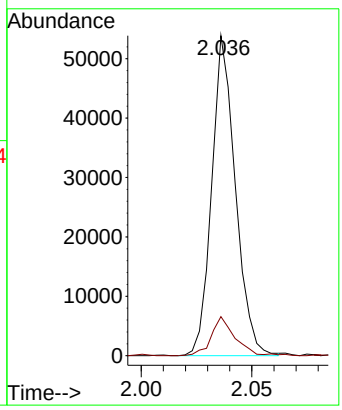
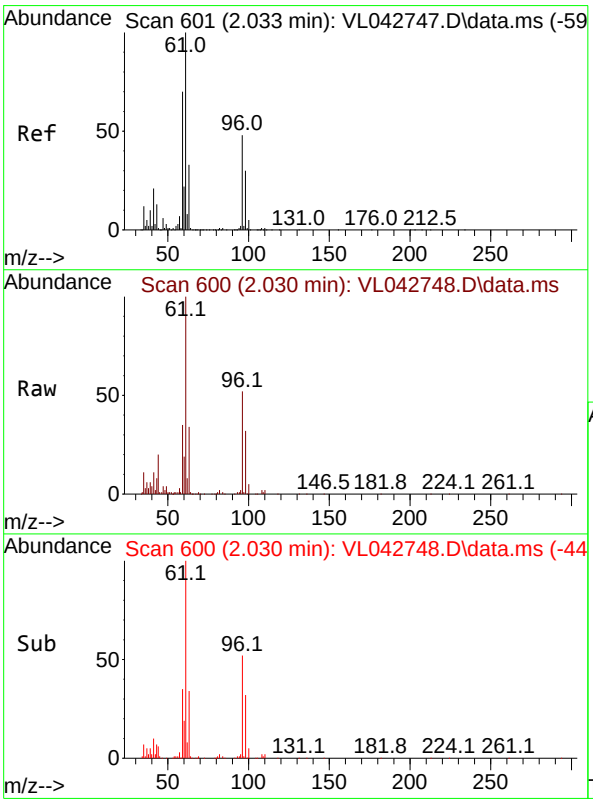
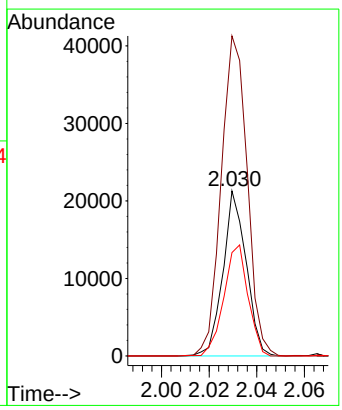


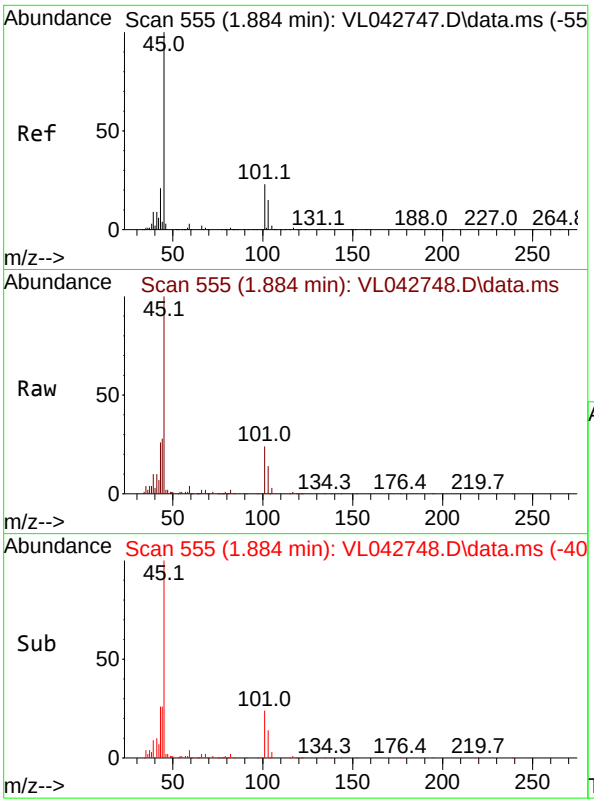


#18
1,1-Dichloroethene
Concen: 1.938 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	165.8	248.6
98	62.7	49.9	74.9

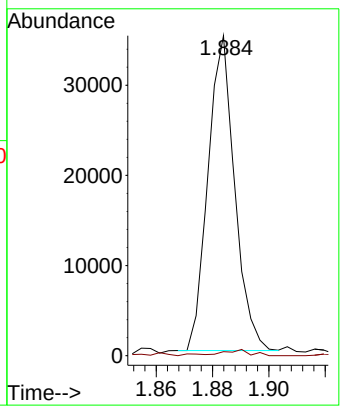




#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 45 Resp: 2302

Ion	Ratio	Lower	Upper
45	100		
58	52.5	30.0	45.0



Instrument :
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ClientSampleId :
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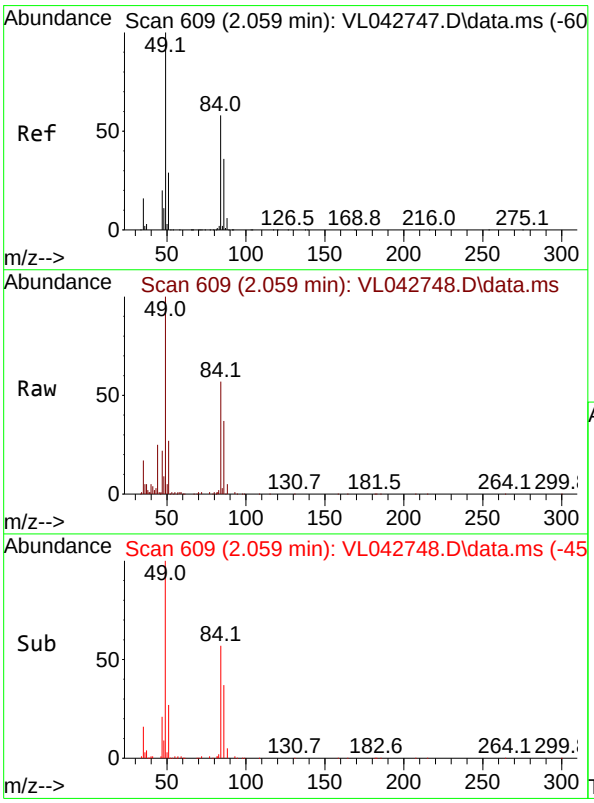
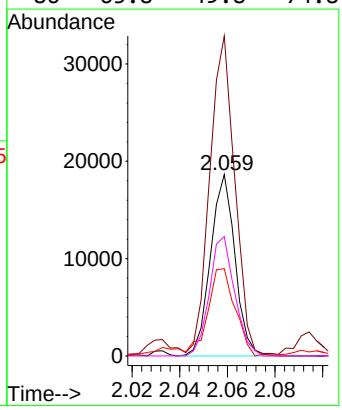
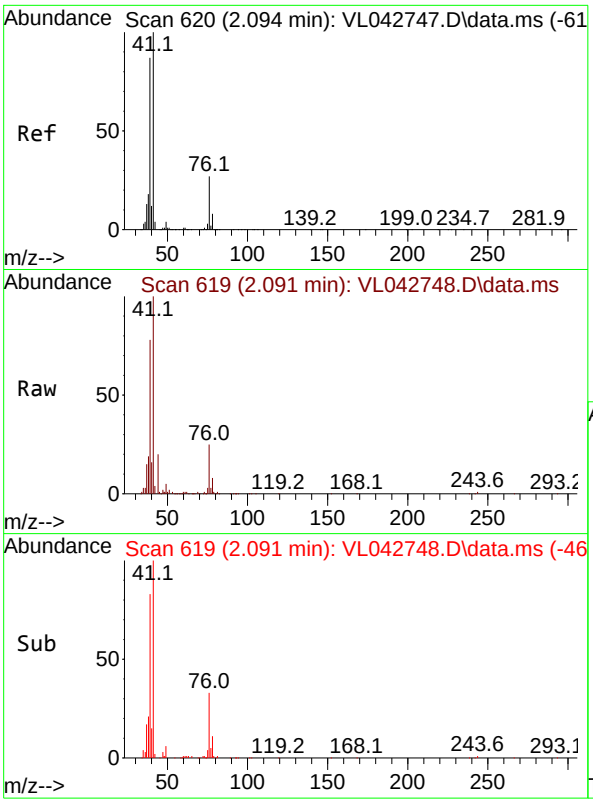


#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 13296

Ion	Ratio	Lower	Upper
84	100		
49	175.4	138.6	208.0
51	47.4	40.6	61.0
86	65.8	49.8	74.8

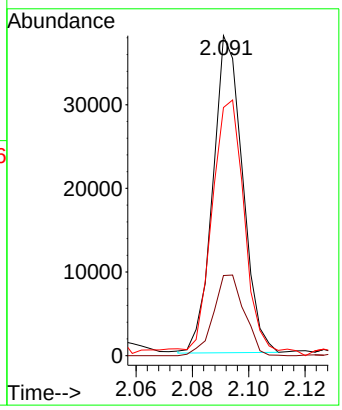




#21
Allyl Chloride
Concen: 2.059 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 41 Resp: 2778

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	89.5	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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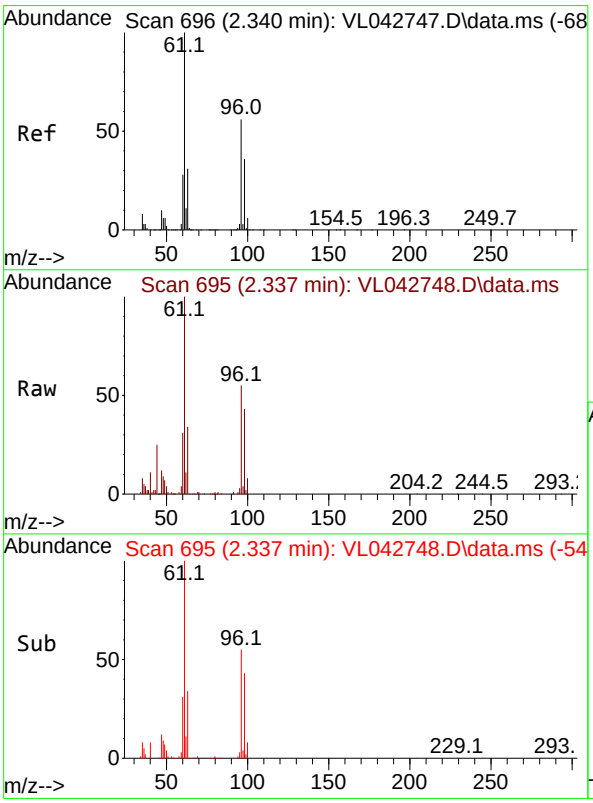
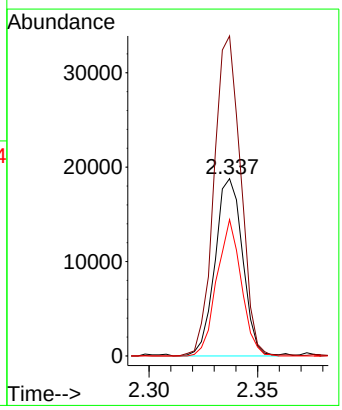
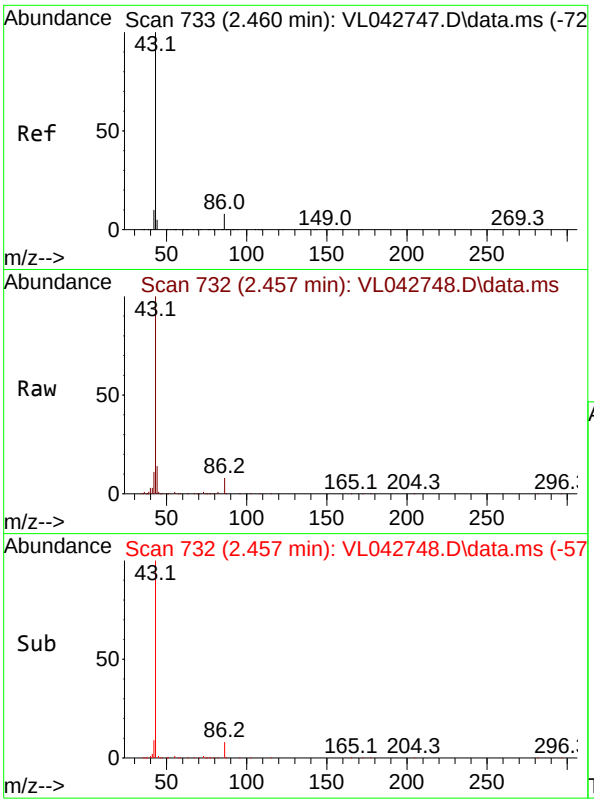


#22
trans-1,2-Dichloroethene
Concen: 2.081 ppbv m
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 16591

Ion	Ratio	Lower	Upper
96	100		
61	180.5	142.3	213.5
98	76.8	50.6	76.0#

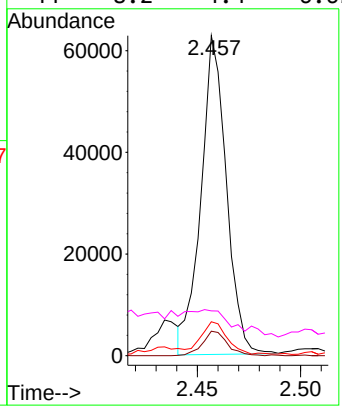




#23
Vinyl Acetate
Concen: 2.017 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 5354

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.1	7.8	11.8
44	8.2	4.4	6.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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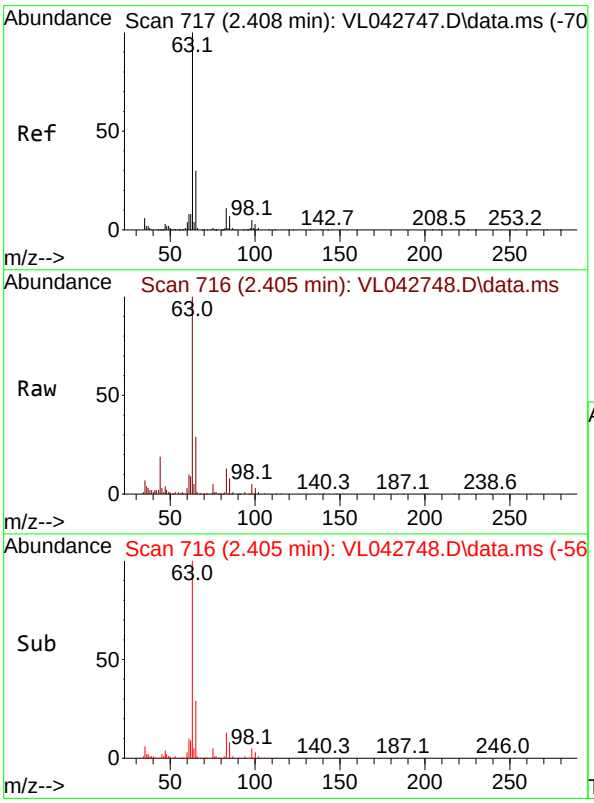
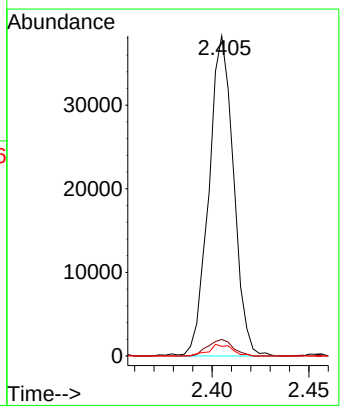
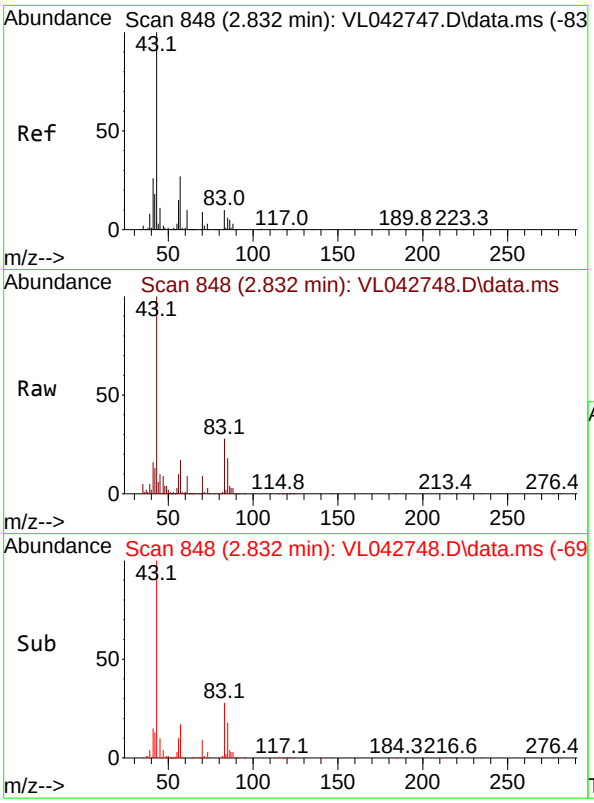


#24
1,1-Dichloroethane
Concen: 2.073 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 33969

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.0	1.6	4.8

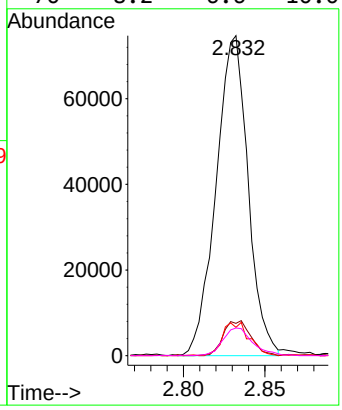




#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 10185

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	6.7	10.1
70	8.2	6.6	10.0



Instrument :
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ClientSampleId :
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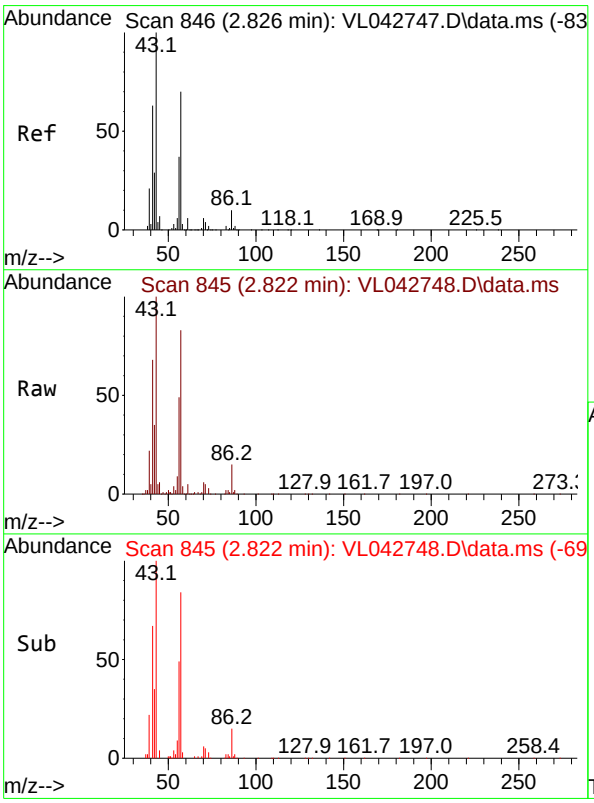
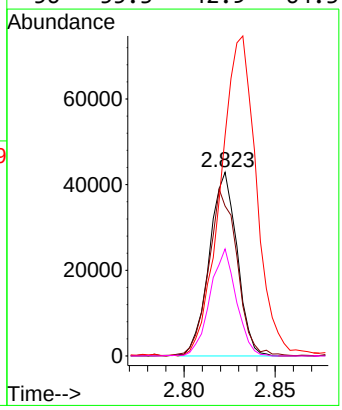
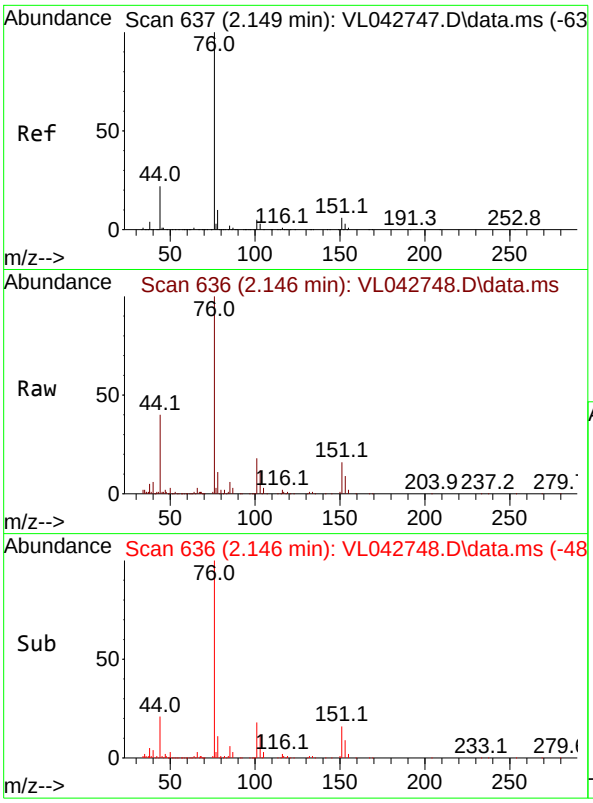


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 45446

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.4	113.2
43	230.2	185.0	277.6
56	55.3	42.9	64.3

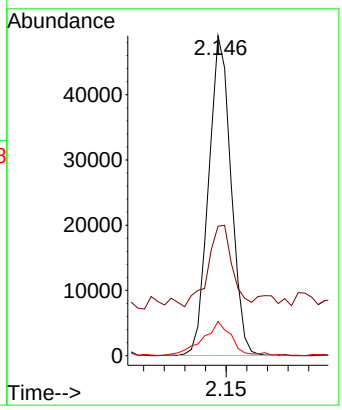




#27
Carbon Disulfide
Concen: 2.030 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 76 Resp: 3694

Ion	Ratio	Lower	Upper
76	100		
44	71.1	19.3	28.9
78	13.6	9.9	14.9



Instrument :
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ClientSampleId :
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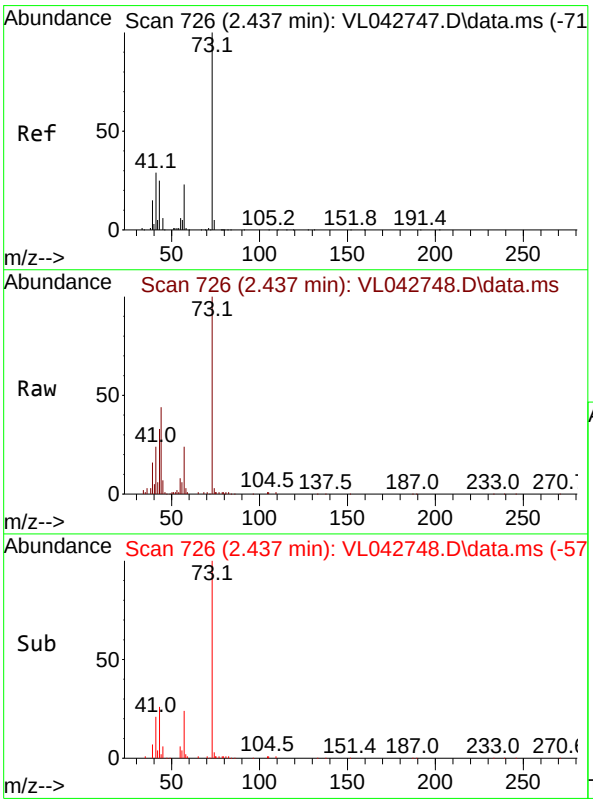
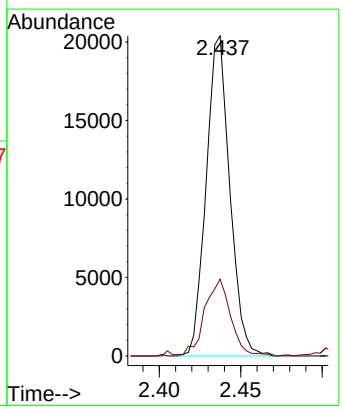
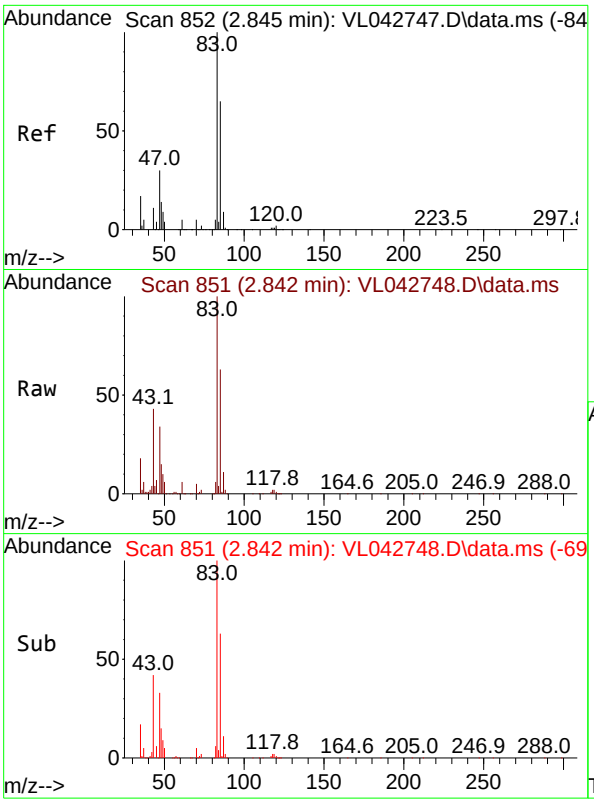


#28
Methyl tert-Butyl Ether
Concen: 2.051 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 73 Resp: 20603

Ion	Ratio	Lower	Upper
73	100		
57	26.7	19.8	29.8

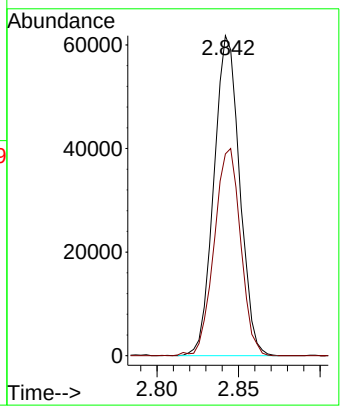




#29
Chloroform
Concen: 2.062 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 6775

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2



Instrument :
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ClientSampleId :
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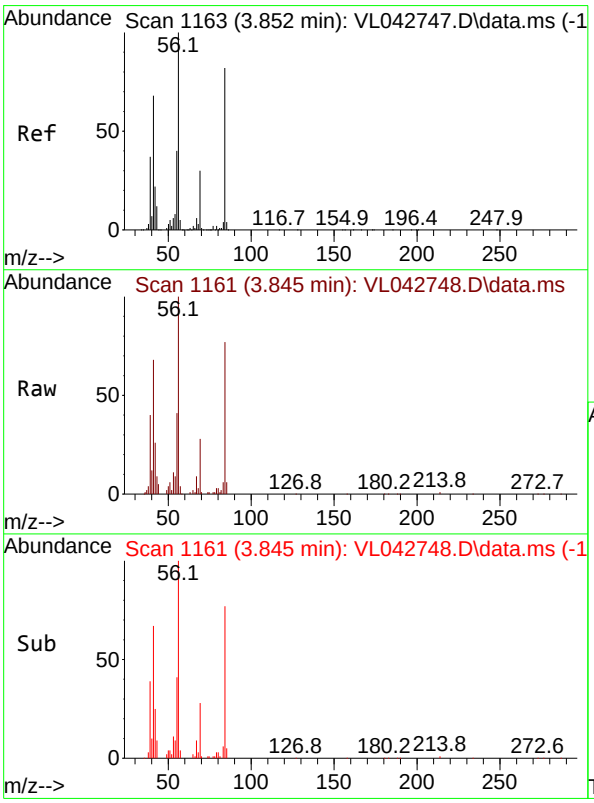
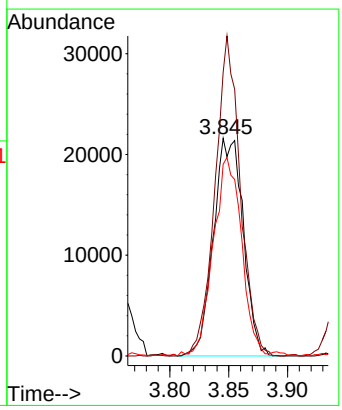
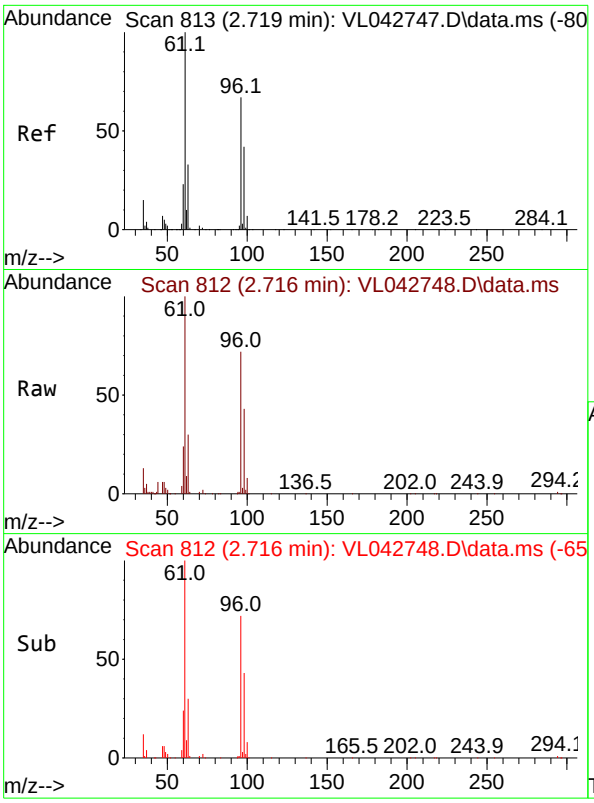


#30
Cyclohexane
Concen: 2.113 ppbv m
RT: 3.845 min Scan# 1161
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 38095

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	87.4	67.2	100.8

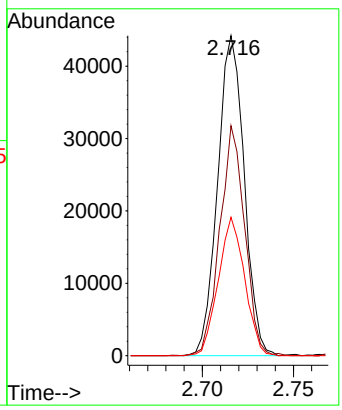




#31
cis-1,2-Dichloroethene
Concen: 2.053 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 61 Resp: 4486

Ion	Ratio	Lower	Upper
61	100		
96	71.8	53.5	80.3
98	43.3	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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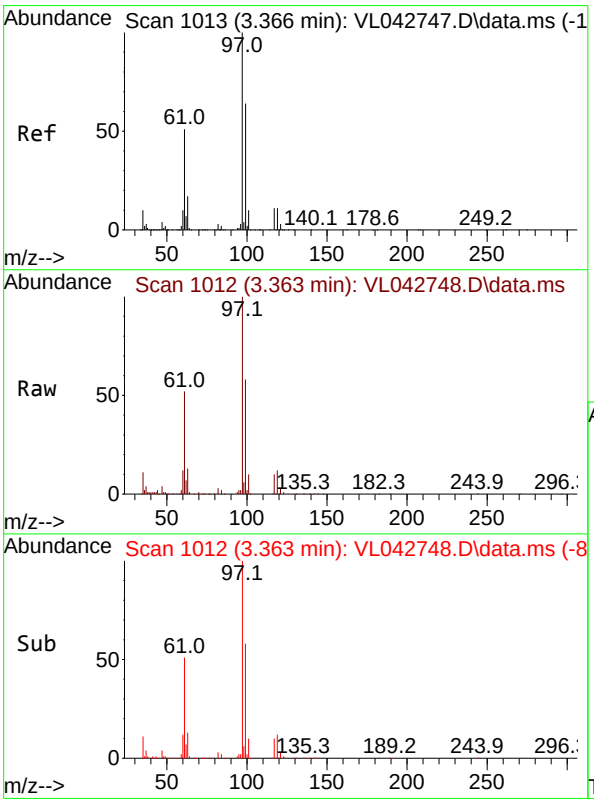
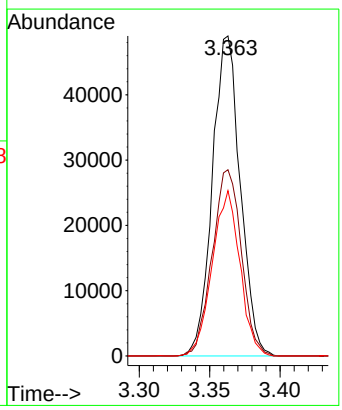
Supervised By :Mahesh Dadoda 07/24/2025

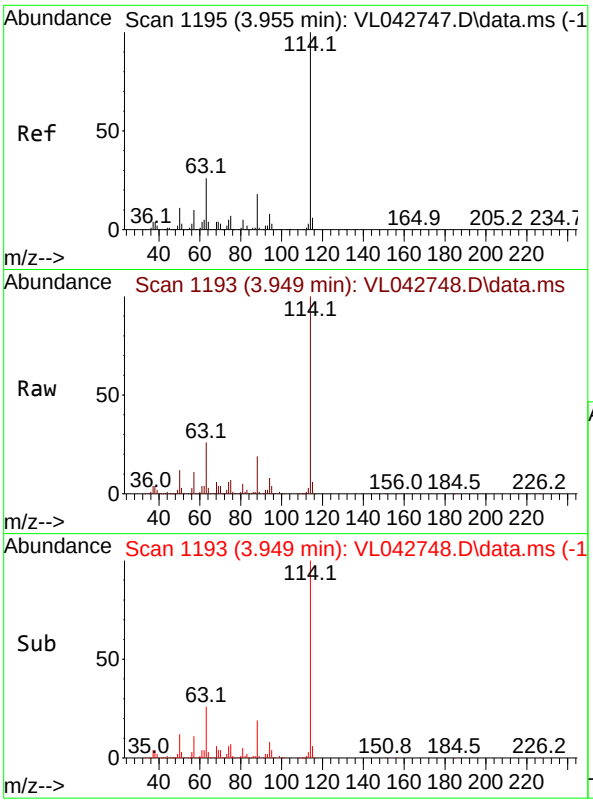


#32
1,1,1-Trichloroethane
Concen: 1.976 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 67608

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.0	76.6
61	51.3	40.9	61.3

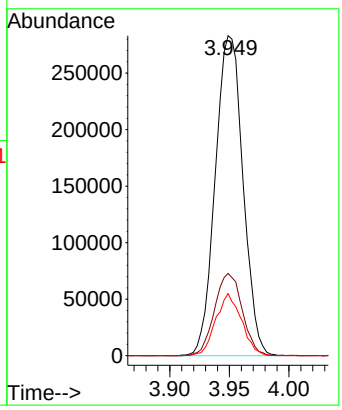




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:114 Resp: 45780

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	18.0	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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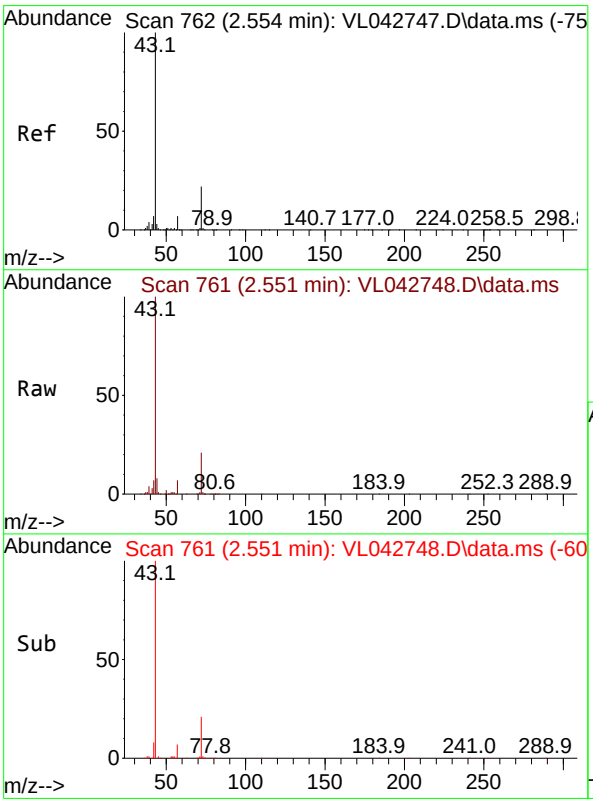
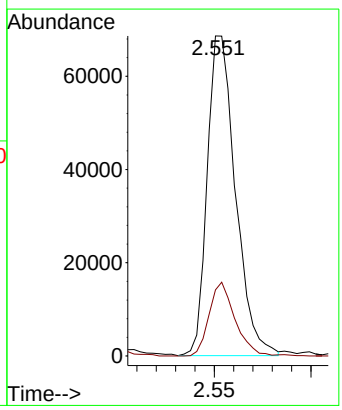
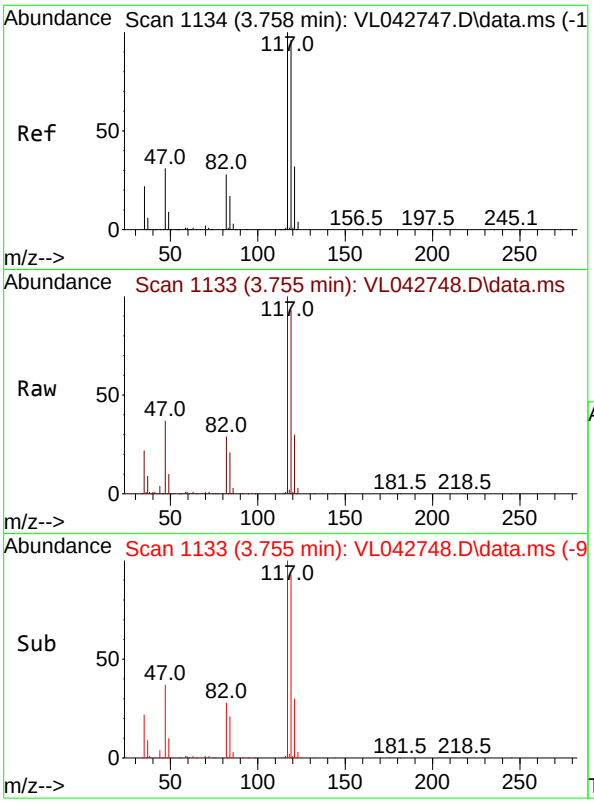


#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 69674

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0

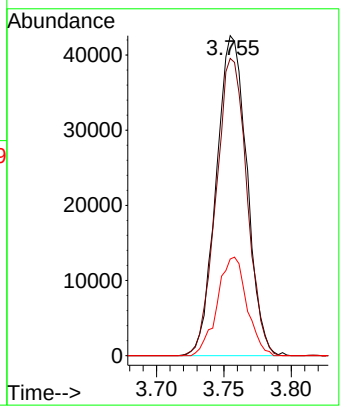




#35
Carbon Tetrachloride
Concen: 1.979 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:117 Resp: 6733

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.1	115.7
121	30.2	25.5	38.3



Instrument :
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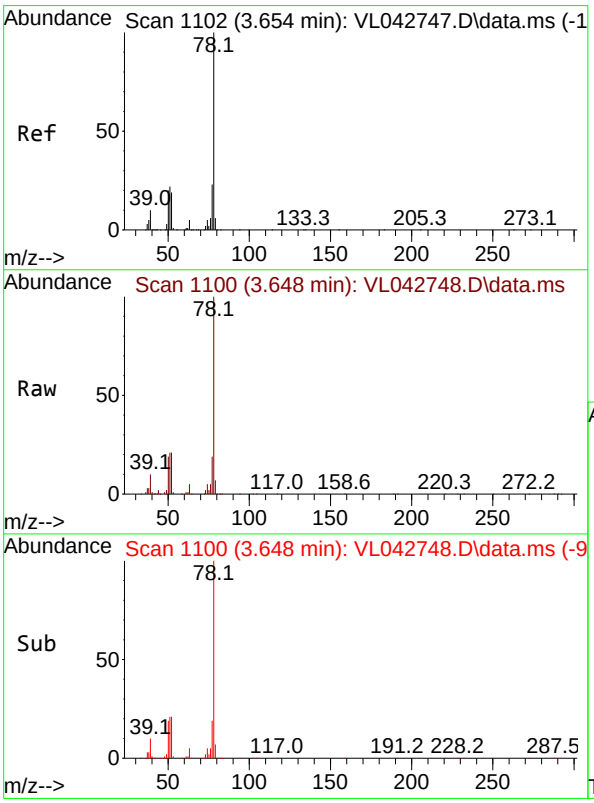
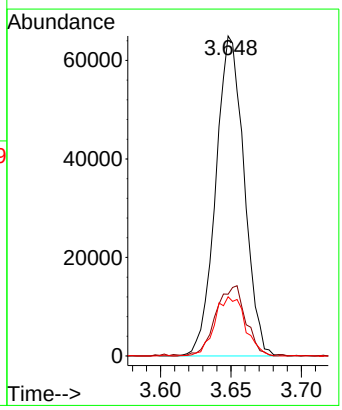
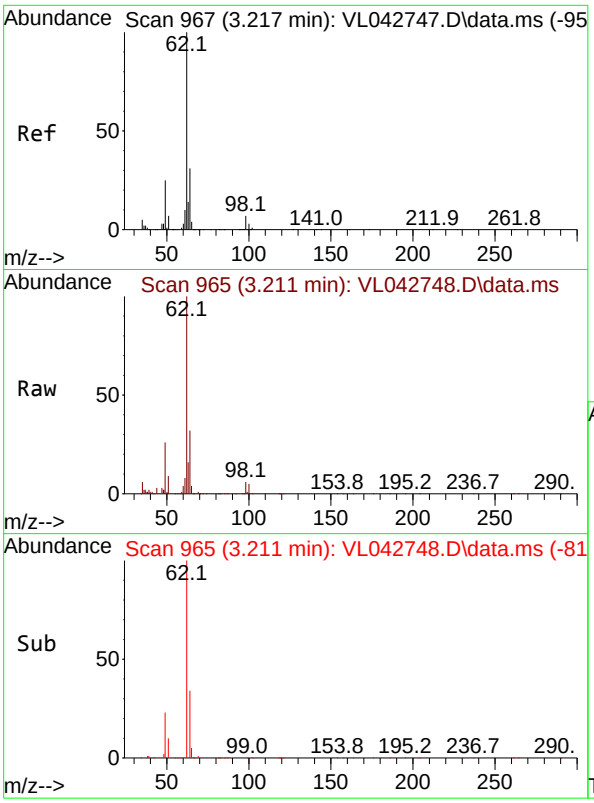


#36
Benzene
Concen: 2.101 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 78 Resp: 91141

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.5	27.7
50	18.5	16.2	24.2

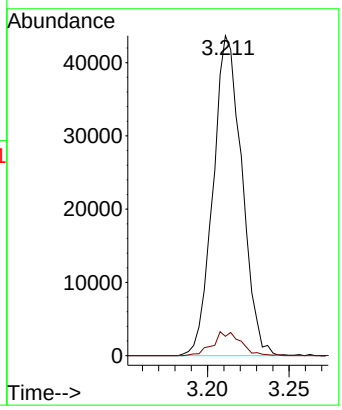




#37
1,2-Dichloroethane
Concen: 2.046 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 62 Resp: 5348

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.2	7.8



Instrument :
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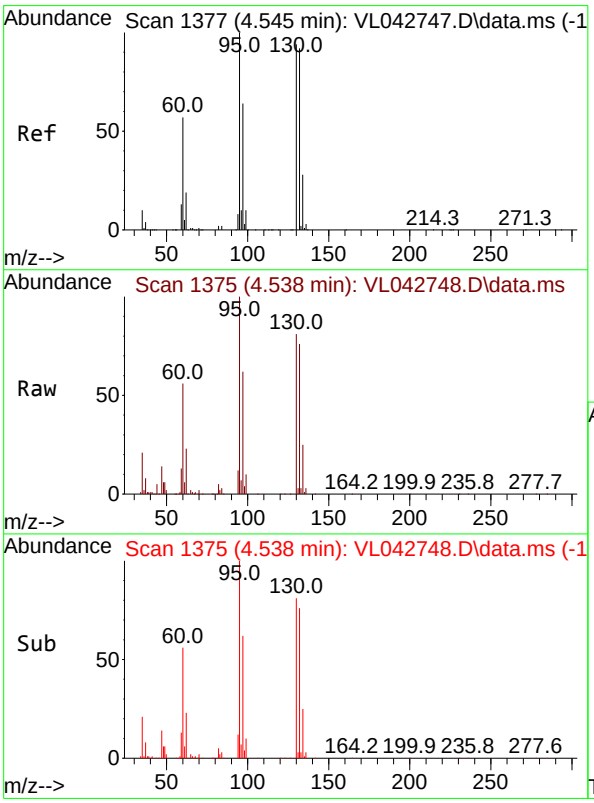
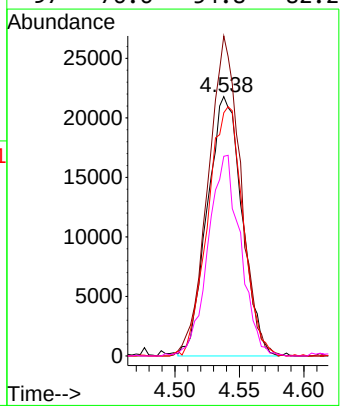
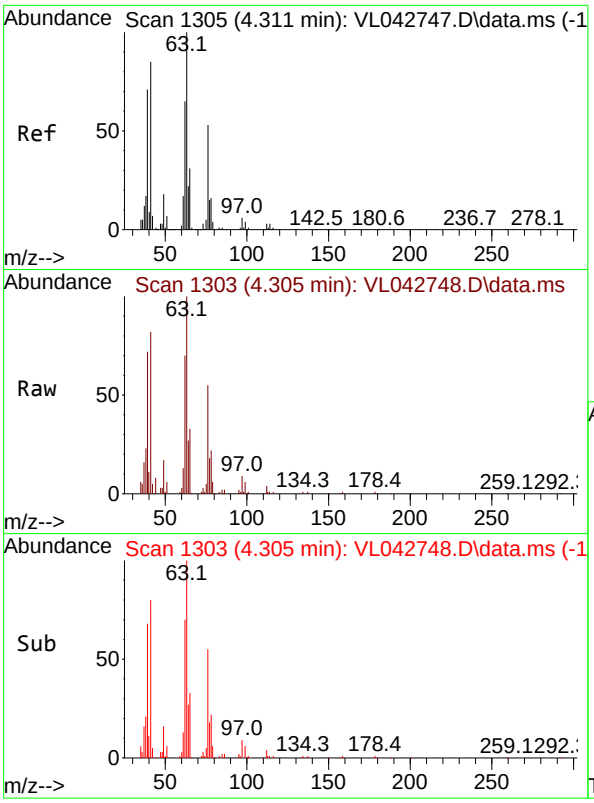


#38
Trichloroethene
Concen: 1.946 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

Ion	Ratio	Lower	Upper
130	100		
95	122.9	85.4	128.2
132	94.1	78.2	117.2
97	76.6	54.8	82.2

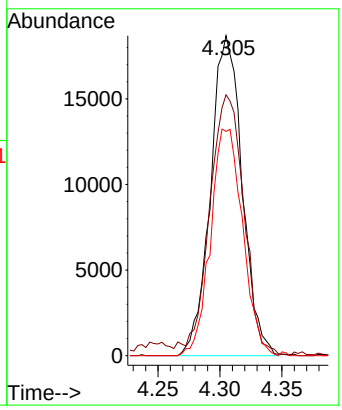




#39
1,2-Dichloropropane
Concen: 2.075 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 3322

Ion	Ratio	Lower	Upper
63	100		
41	80.8	68.2	102.4
62	70.1	52.0	78.0



Instrument :
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ClientSampleId :
VSTDICC002

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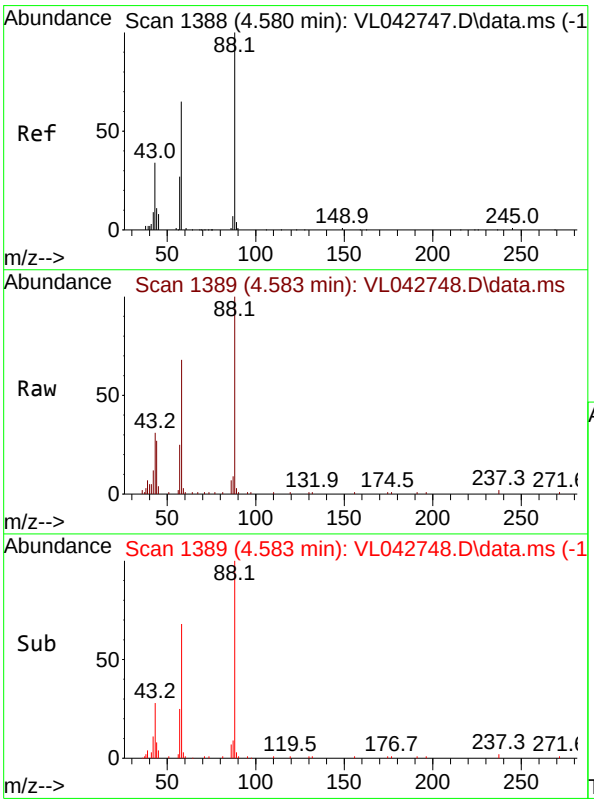
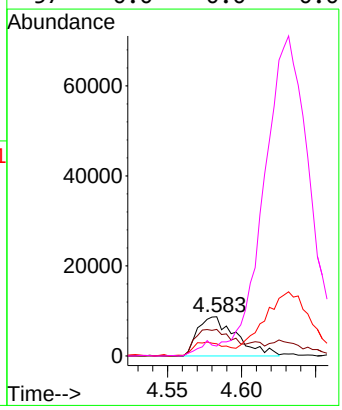
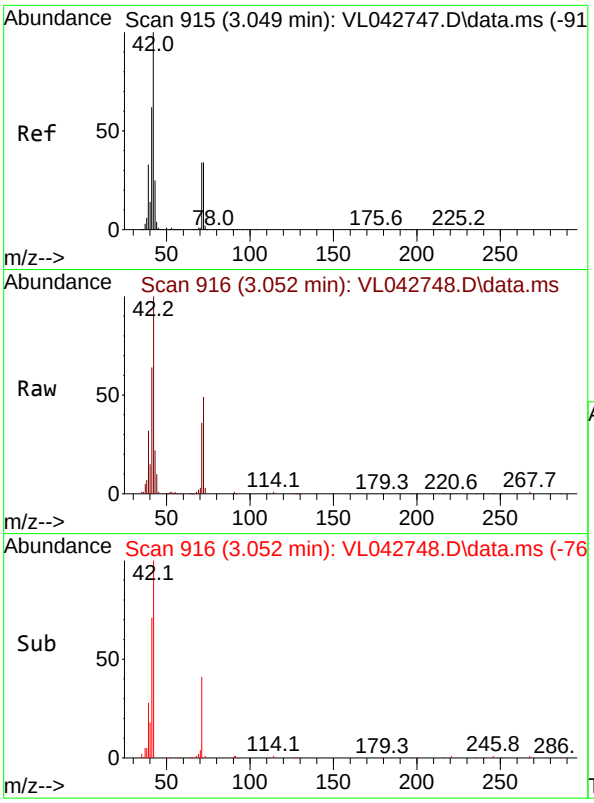


#40
1,4-Dioxane
Concen: 2.104 ppbv m
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 15890

Ion	Ratio	Lower	Upper
88	100		
58	80.9	58.8	88.2
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

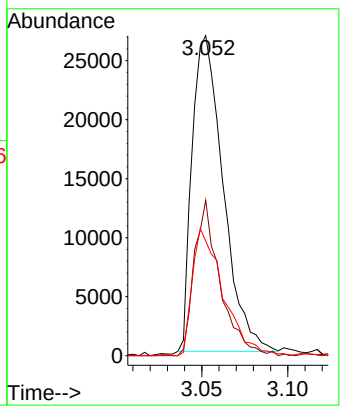




#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 42 Resp: 3361

Ion	Ratio	Lower	Upper
42	100		
72	41.3	30.9	46.3
71	40.4	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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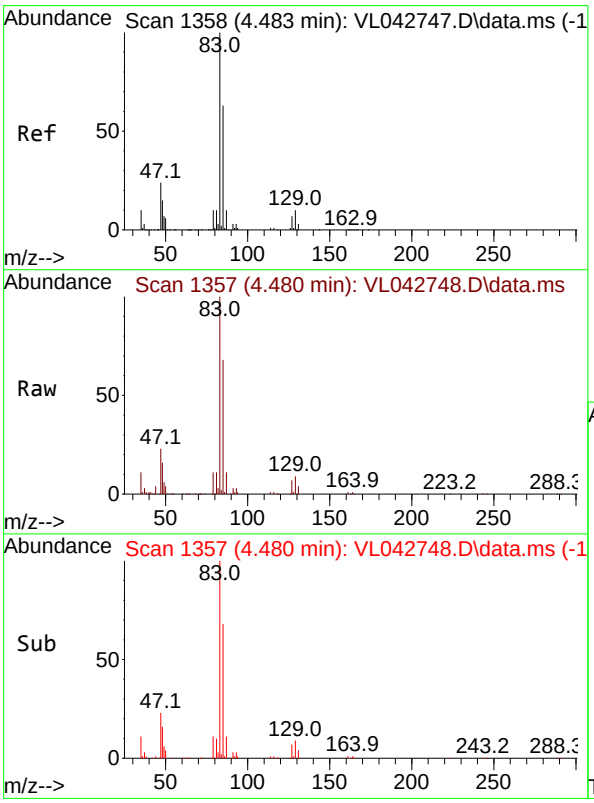
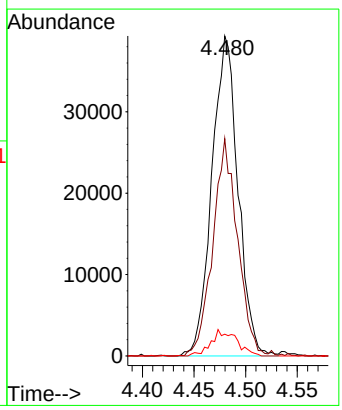
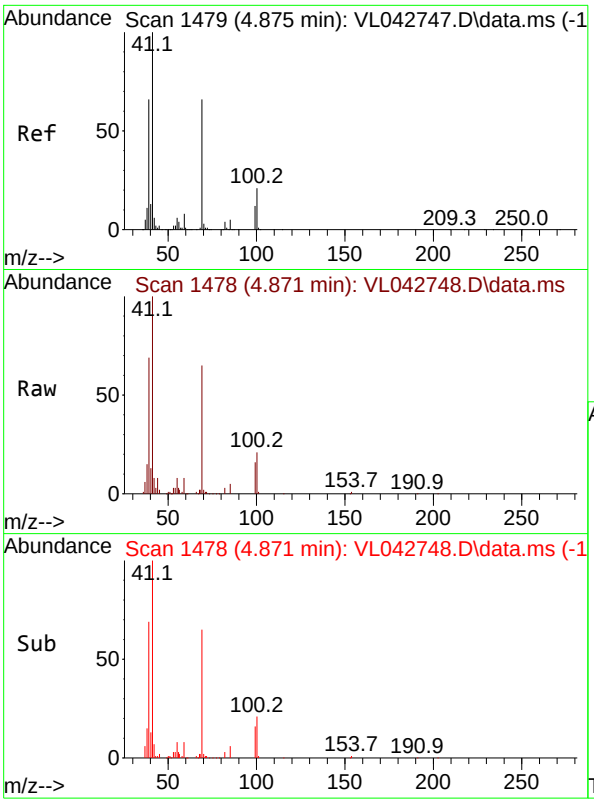


#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 69093

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.4
127	6.8	5.4	8.2

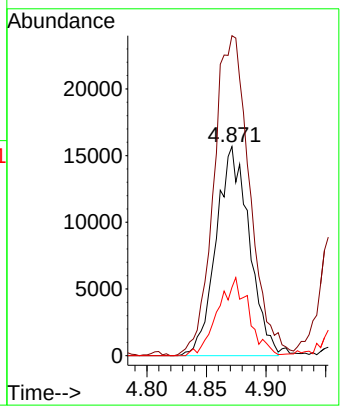




#43
Methyl Methacrylate
Concen: 1.967 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 69 Resp: 3033

Ion	Ratio	Lower	Upper
69	100		
41	164.3	125.7	188.5
100	35.5	28.6	42.8



Instrument :
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ClientSampleId :
VSTDICC002

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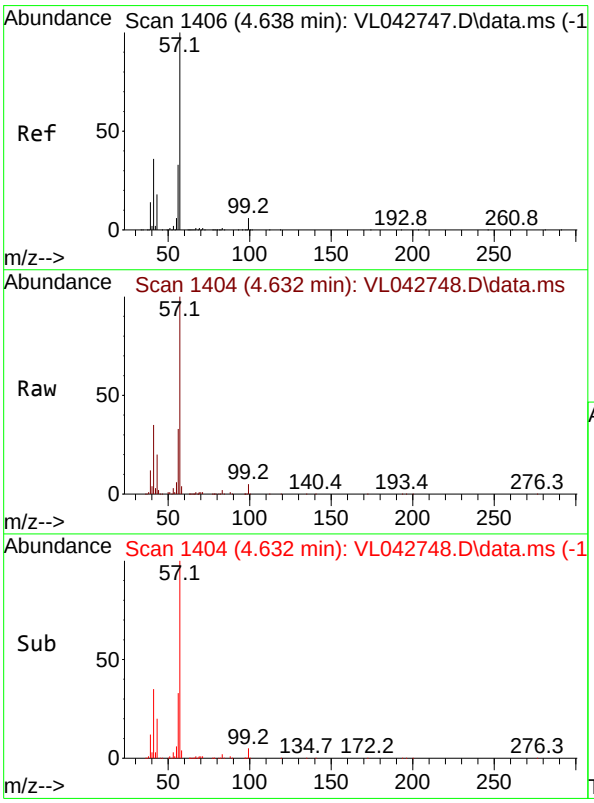
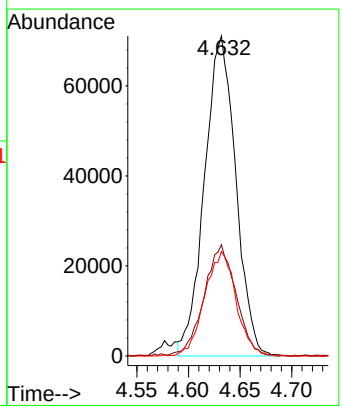
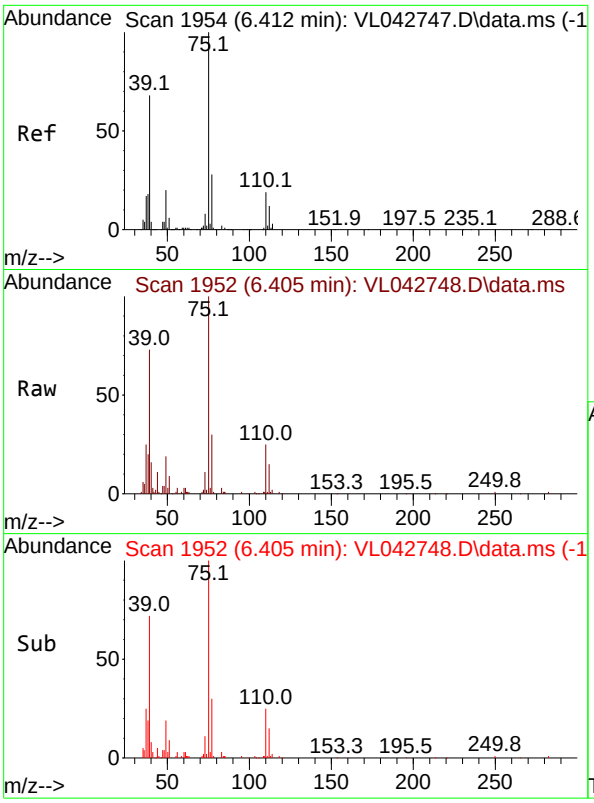


#44
2,2,4-Trimethylpentane
Concen: 2.115 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 149588

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.3	42.5
56	32.9	25.8	38.6

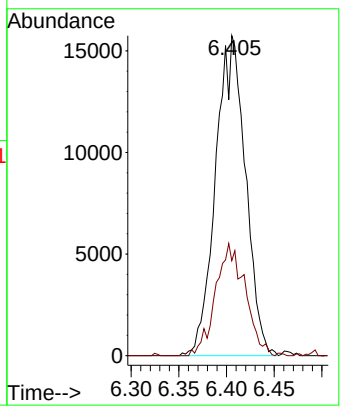




#45
t-1,3-Dichloropropene
Concen: 1.984 ppbv m
RT: 6.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 3433

Ion	Ratio	Lower	Upper
75	100		
77	29.7	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
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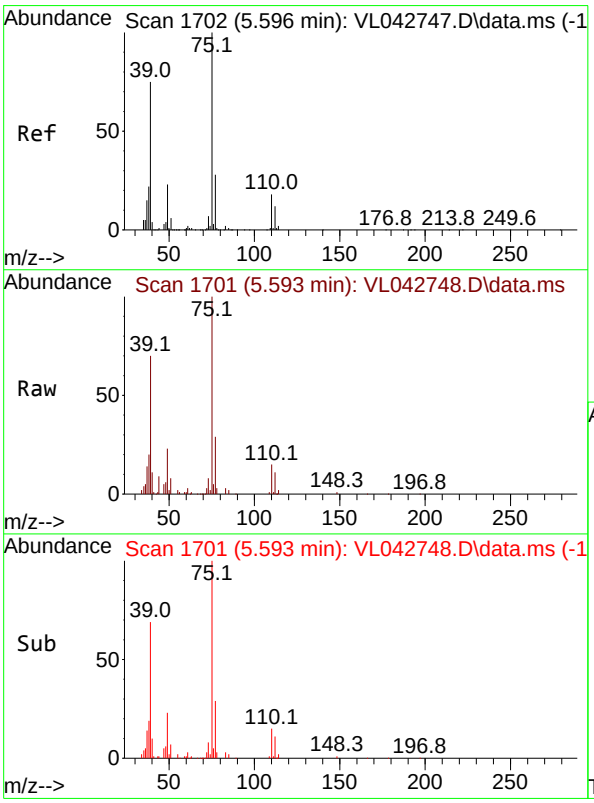
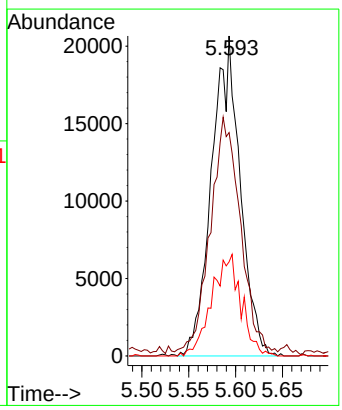
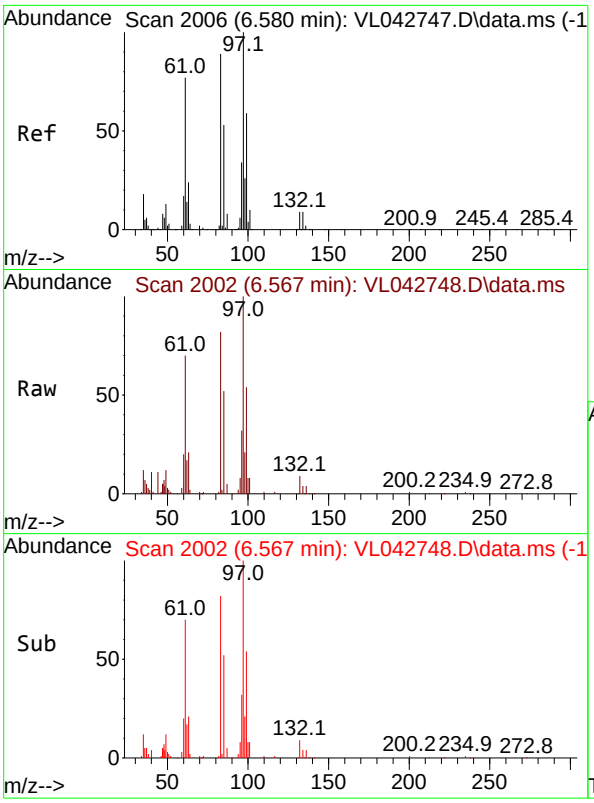


#46
cis-1,3-Dichloropropene
Concen: 2.000 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 43845

Ion	Ratio	Lower	Upper
75	100		
39	69.8	60.2	90.2
77	29.4	22.6	34.0

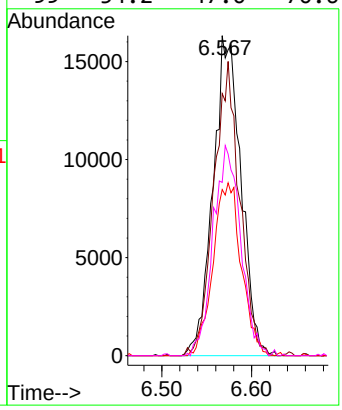




#47
1,1,2-Trichloroethane
Concen: 2.063 ppbv m
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 3522

Ion	Ratio	Lower	Upper
97	100		
83	81.9	71.1	106.7
85	51.9	43.0	64.4
99	54.2	47.0	70.6



Instrument :
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ClientSampleId :
VSTDICC002

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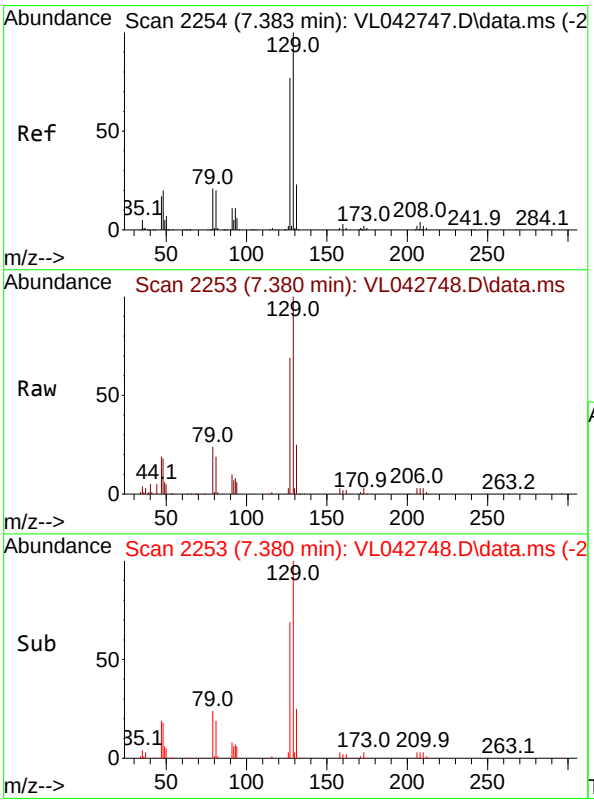
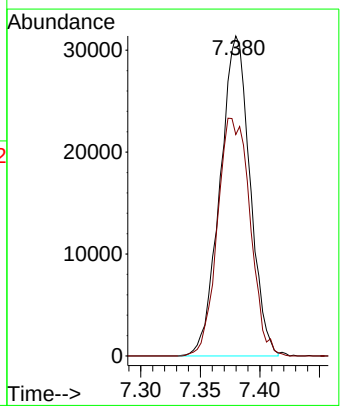
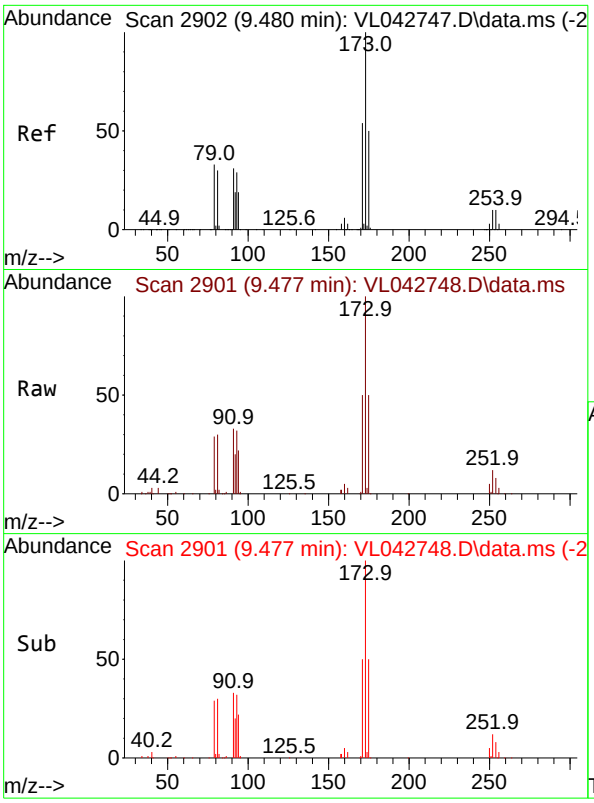


#48
Dibromochloromethane
Concen: 2.026 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:129 Resp: 54906

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.7	116.1

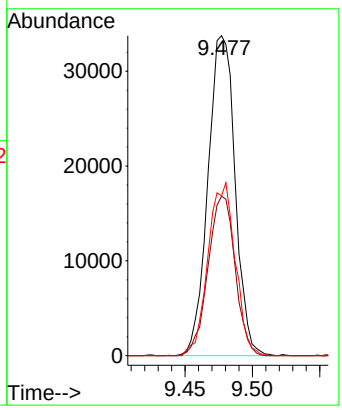




#49
Bromoform
Concen: 2.003 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:173 Resp: 4734

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.4	57.6
171	54.2	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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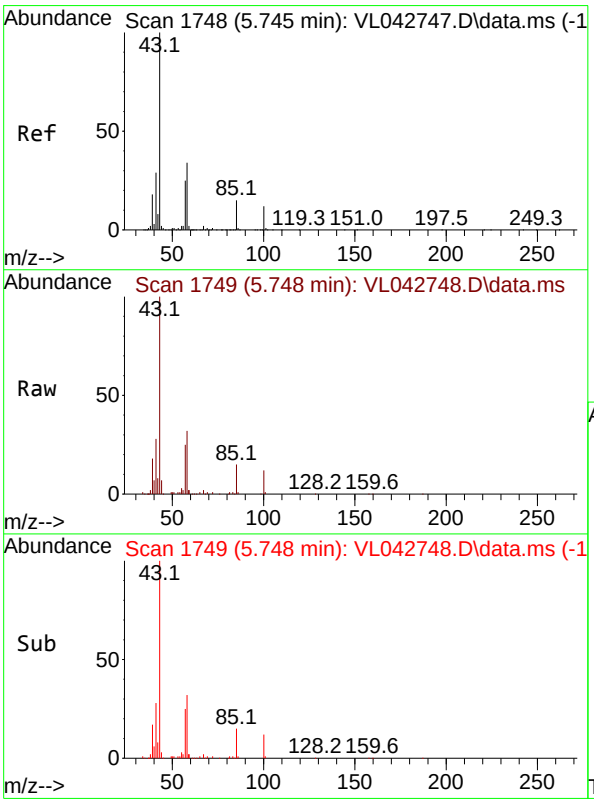
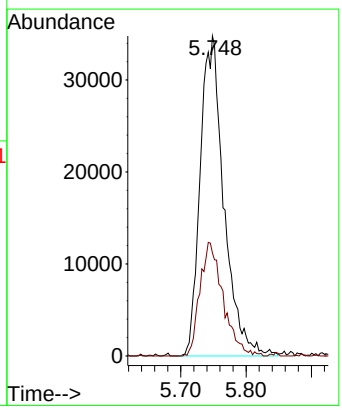
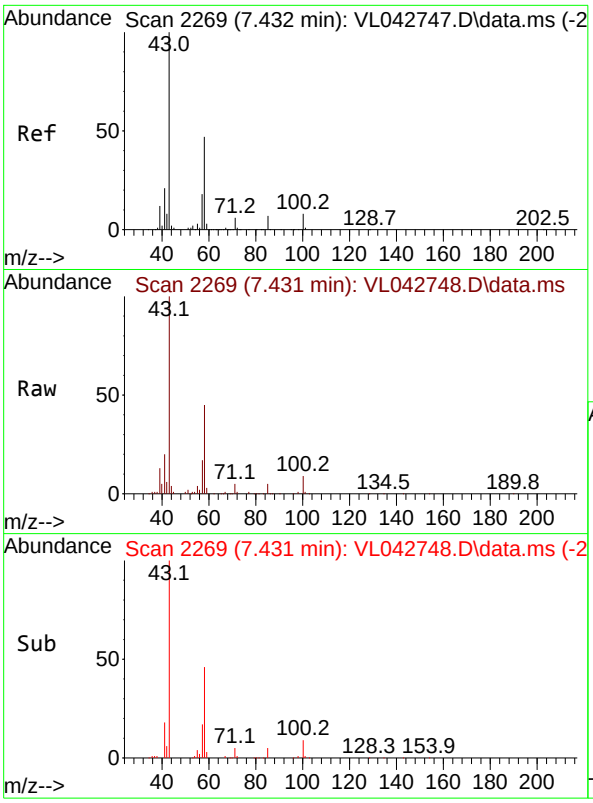


#50
4-Methyl-2-Pentanone
Concen: 2.120 ppbv m
RT: 5.748 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 87566

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 6809

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.0	57.0
98	1.0	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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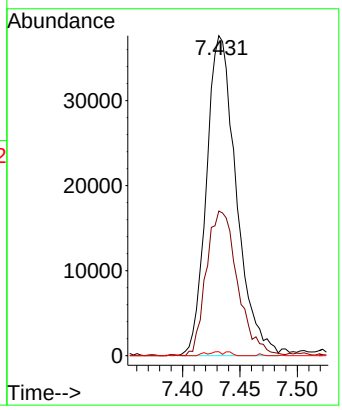
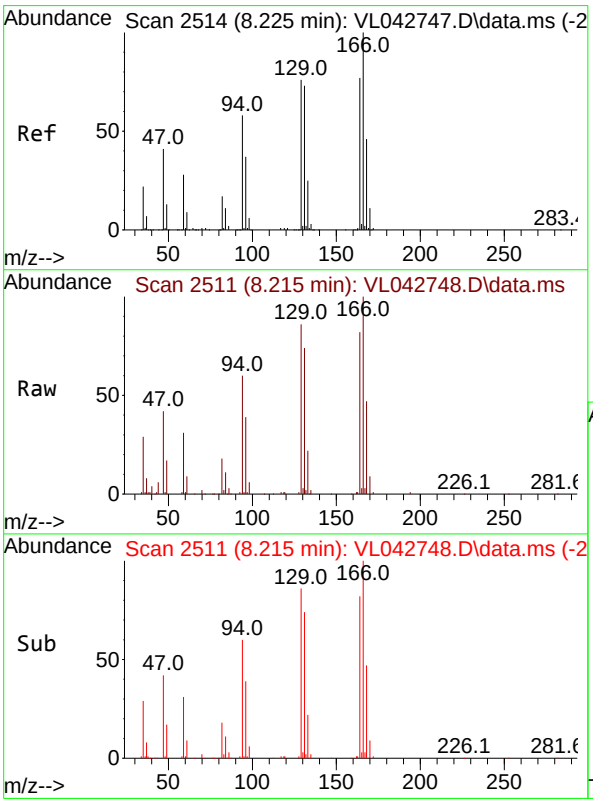
Supervised By :Mahesh Dadoda 07/24/2025

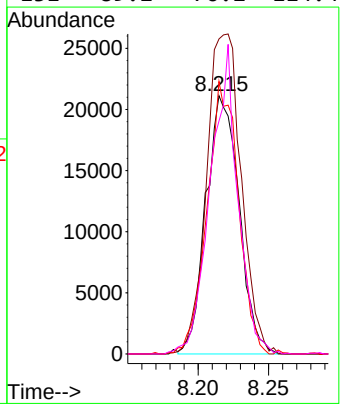


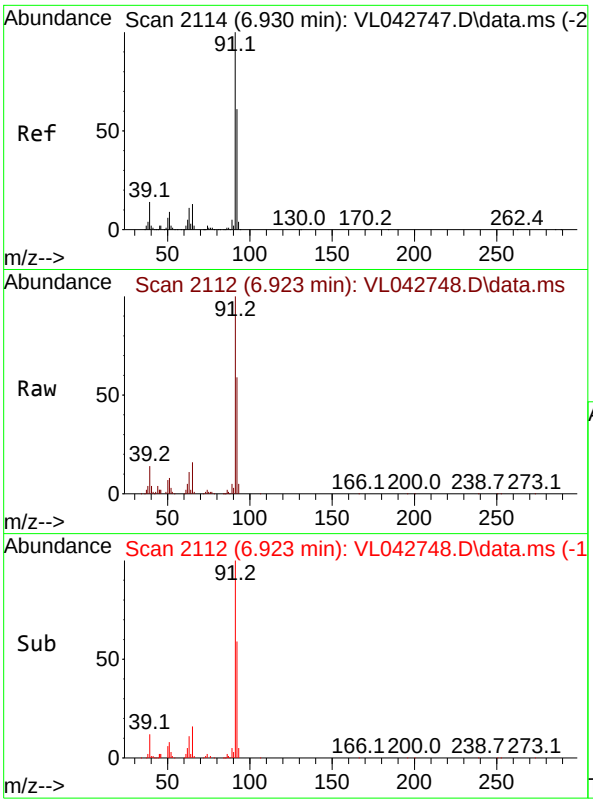


#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:164 Resp: 34568

Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.0	156.0
129	103.9	79.2	118.8
131	89.2	76.2	114.4

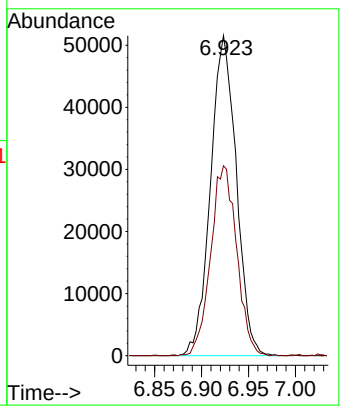




#53
Toluene
Concen: 2.111 ppbv
RT: 6.923 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 9834

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.0	72.0



Instrument :
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ClientSampleId :
VSTDICC002

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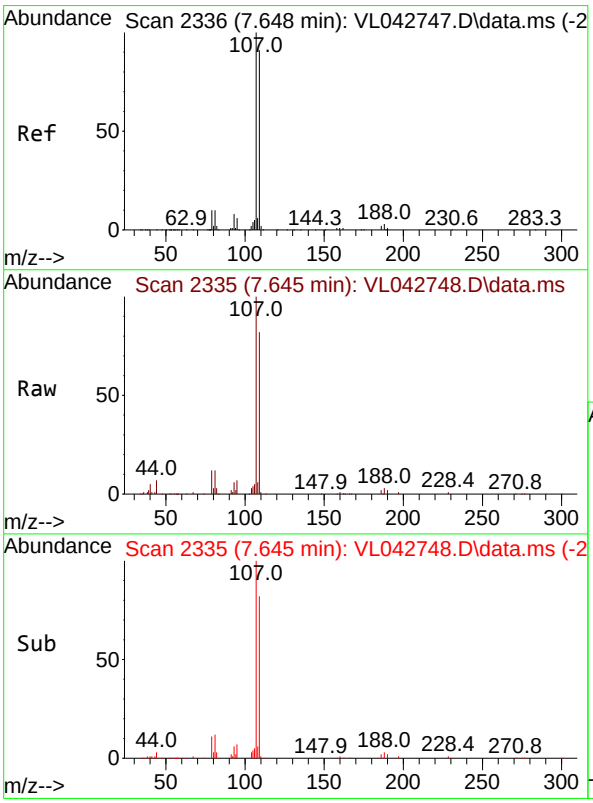
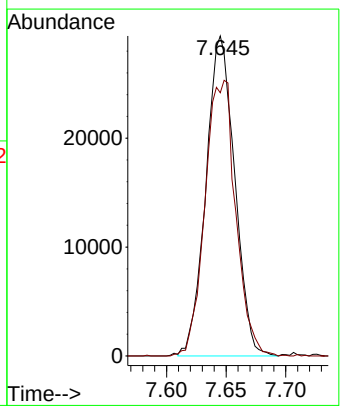
Supervised By :Mahesh Dadoda 07/24/2025

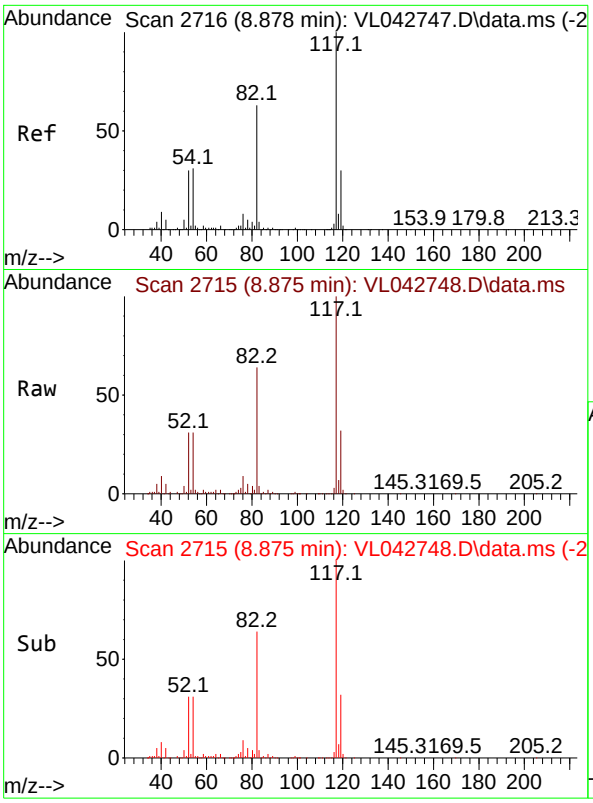


#54
1,2-Dibromoethane
Concen: 2.042 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:107 Resp: 49346

Ion	Ratio	Lower	Upper
107	100		
109	82.2	72.7	109.1

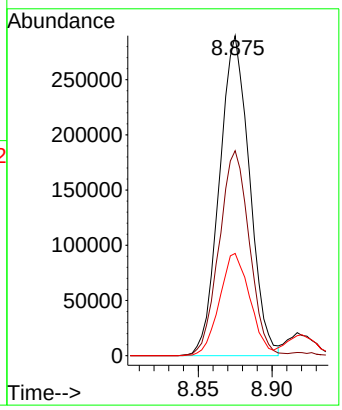




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:117 Resp: 41074

Ion	Ratio	Lower	Upper
117	100		
82	65.2	53.3	79.9
119	33.2	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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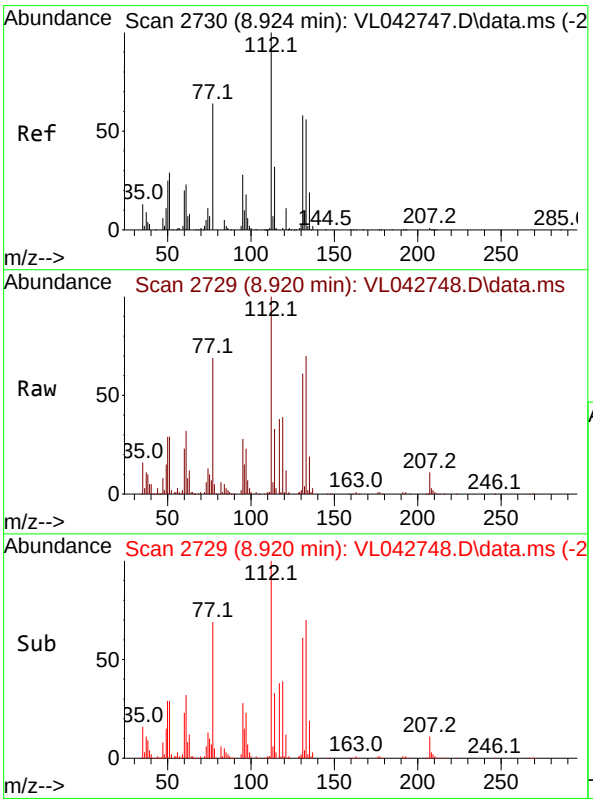
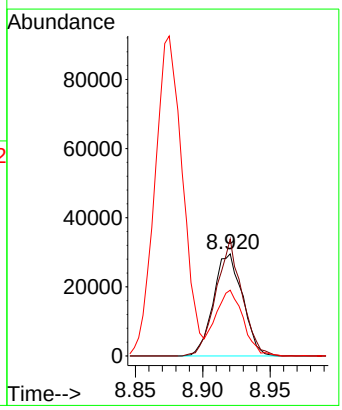
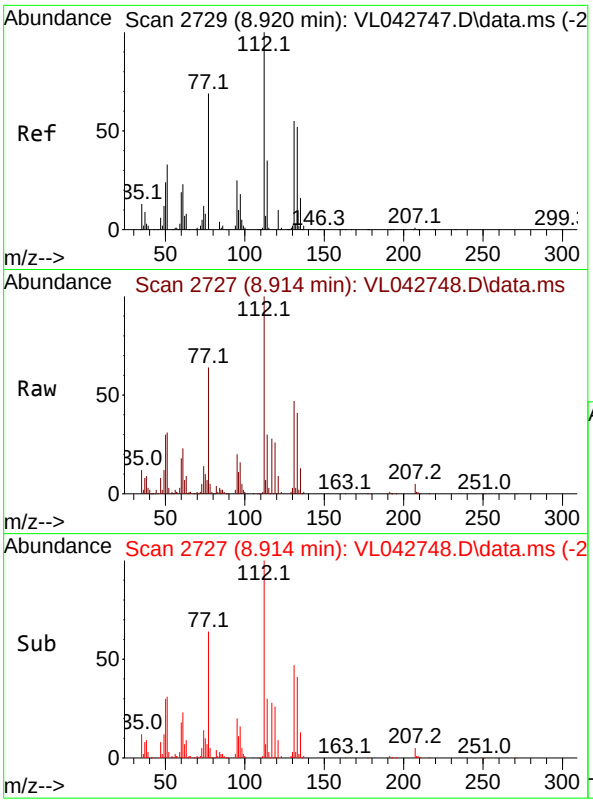


#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409

Ion	Ratio	Lower	Upper
131	100		
133	102.1	76.8	115.2
119	54.2	49.7	74.5





#57
Chlorobenzene
Concen: 2.101 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:112 Resp: 8350

Ion	Ratio	Lower	Upper
112	100		
77	63.5	56.4	84.6
114	30.2	31.2	38.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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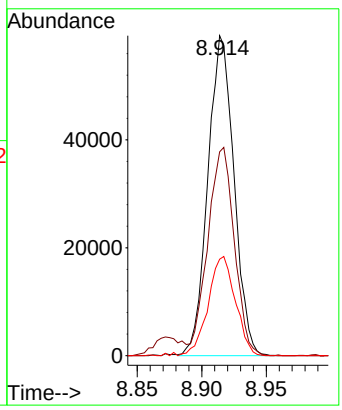
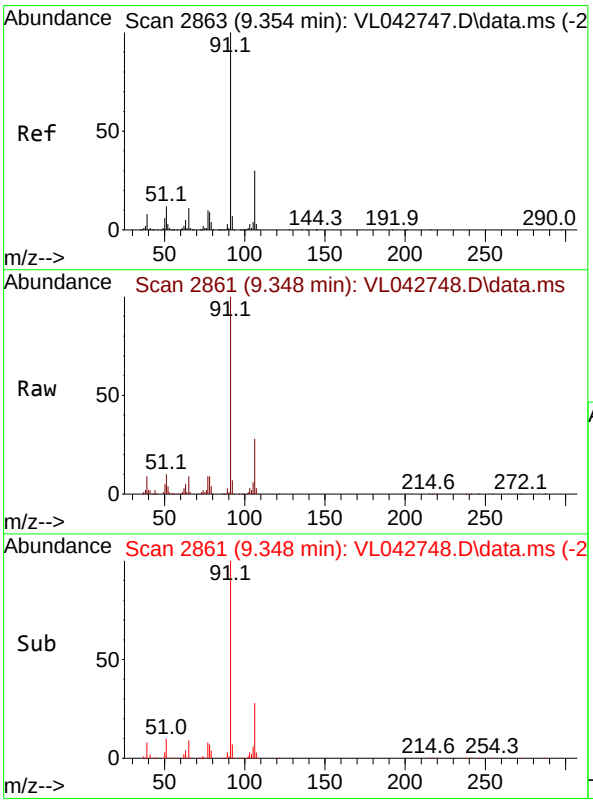
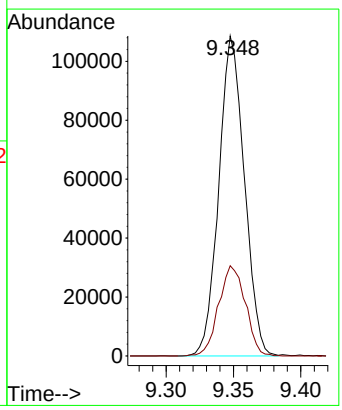


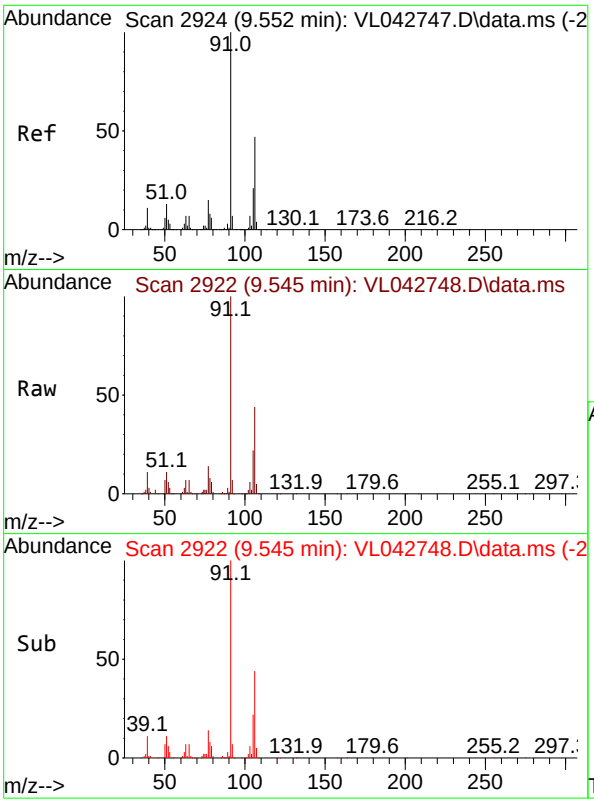


#58
Ethyl Benzene
Concen: 2.208 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 143251

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.6





#59
m/p-Xylene
Concen: 4.290 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 22246

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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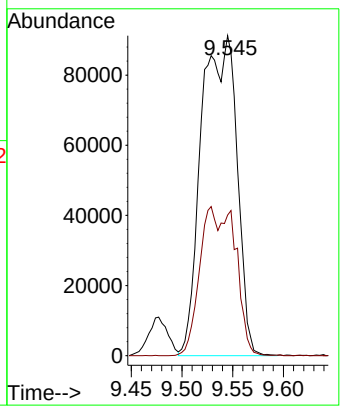
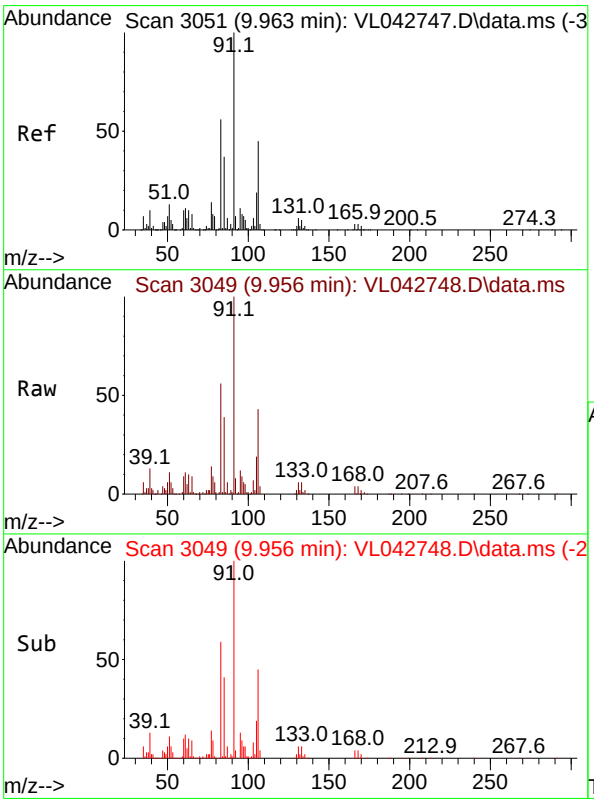
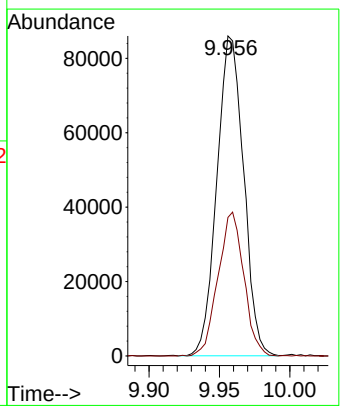


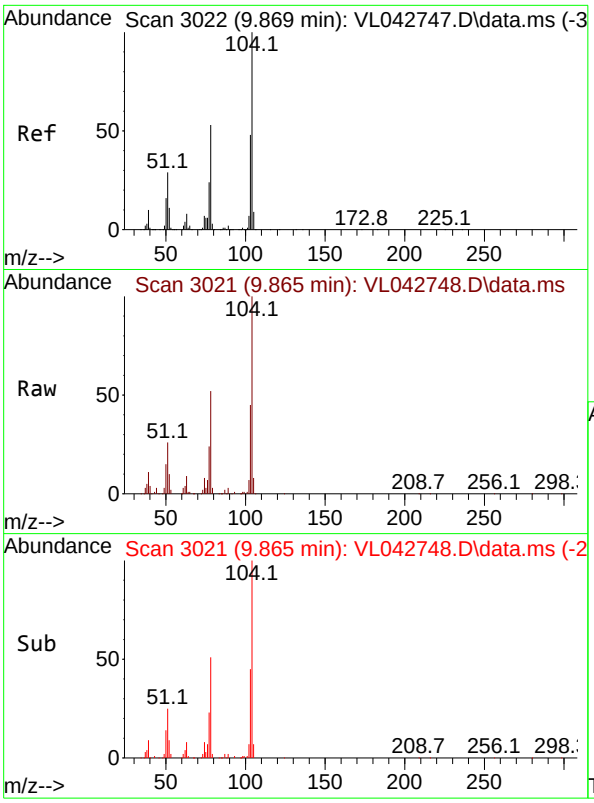


#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.0	66.0

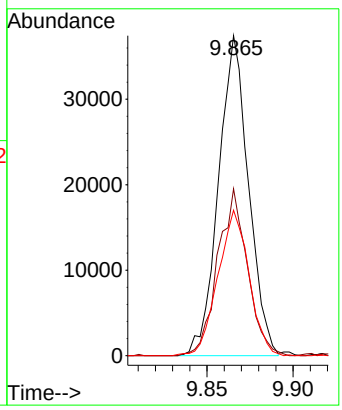




#61
Styrene
Concen: 2.081 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:104 Resp: 4535

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.5	62.3
103	47.1	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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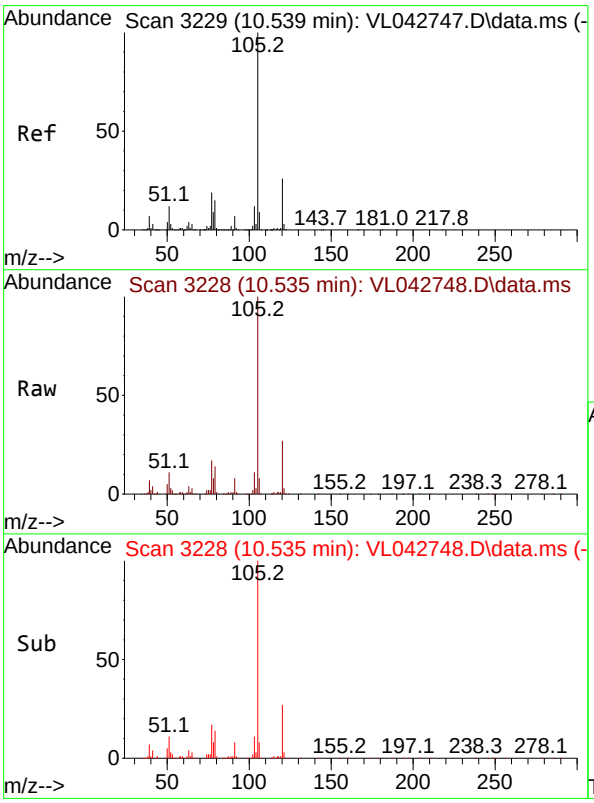
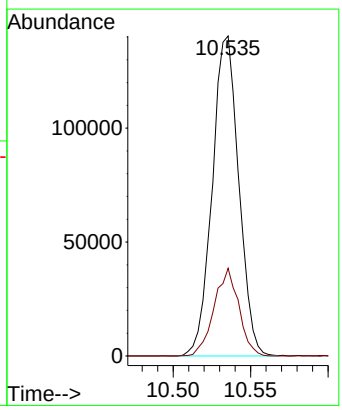
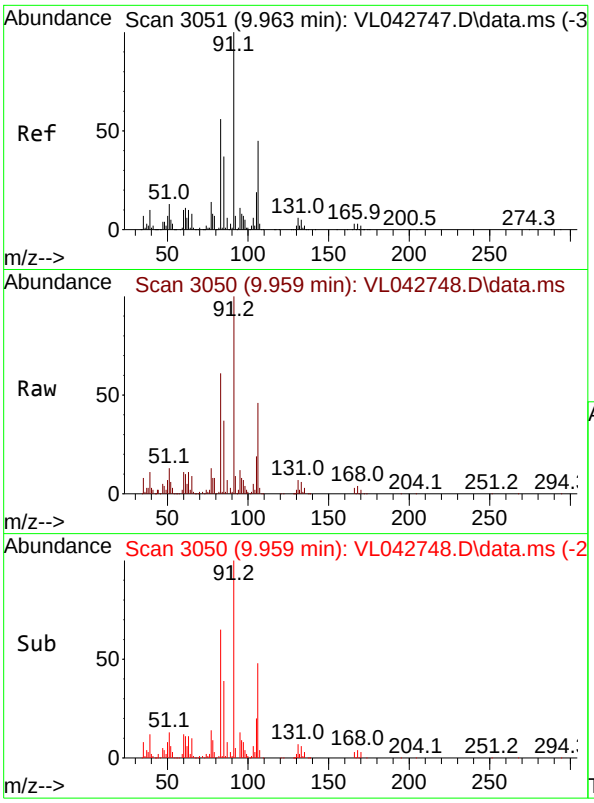


#62
Isopropylbenzene
Concen: 2.187 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 167108

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

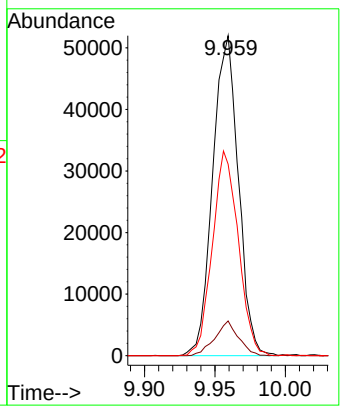




#63
1,1,2,2-Tetrachloroethane
Concen: 1.954 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 6592

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	64.7	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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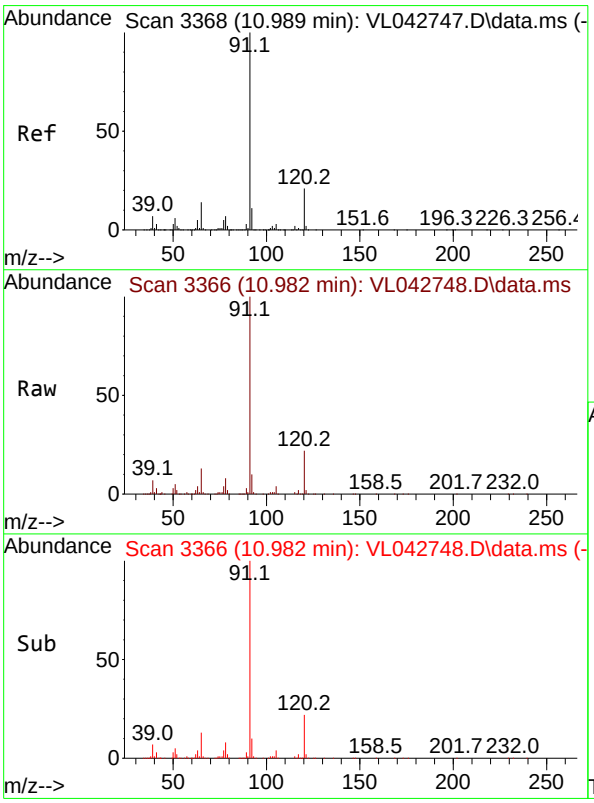
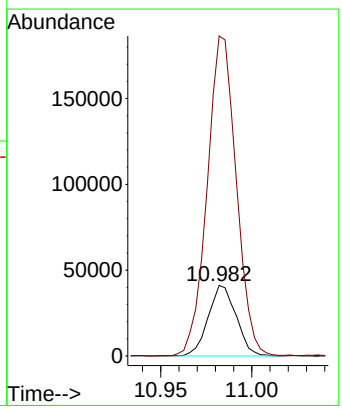
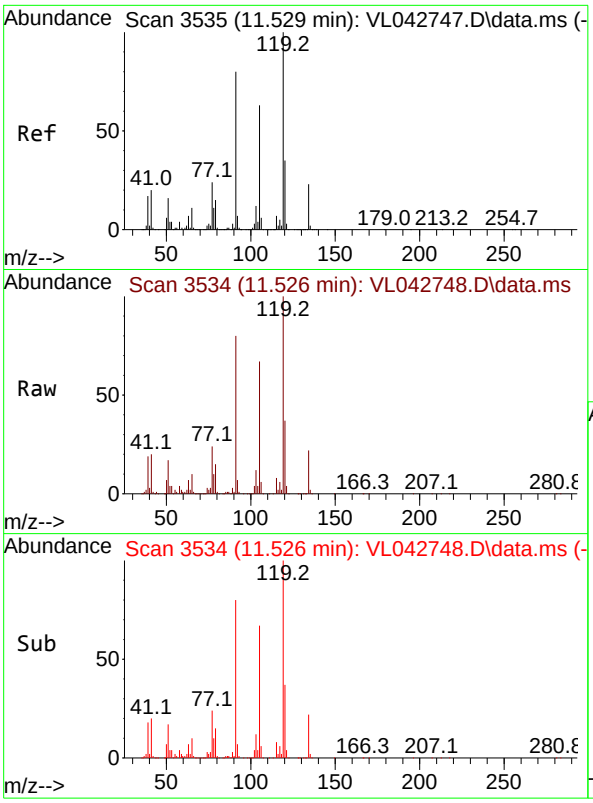


#64
n-propylbenzene
Concen: 2.198 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:120 Resp: 43789

Ion	Ratio	Lower	Upper
120	100		
91	472.1	372.7	559.1

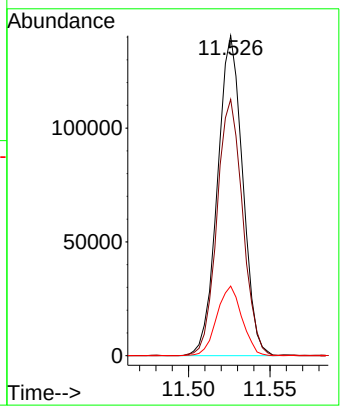




#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:119 Resp: 15108

Ion	Ratio	Lower	Upper
119	100		
91	81.8	64.0	96.0
134	21.7	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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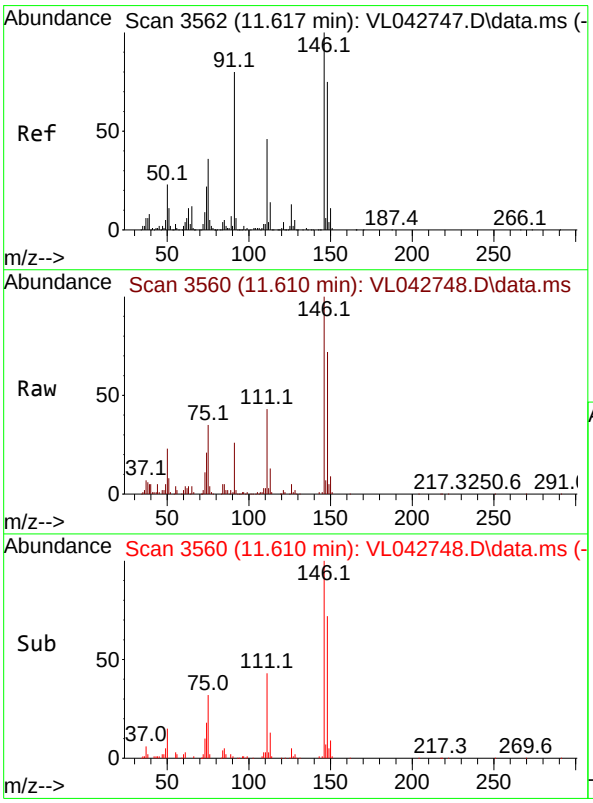
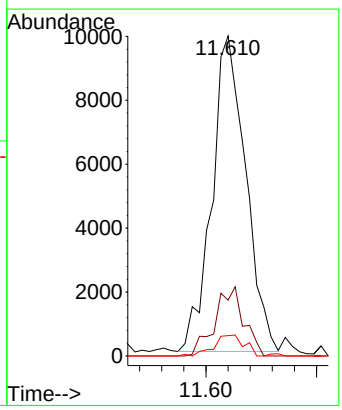
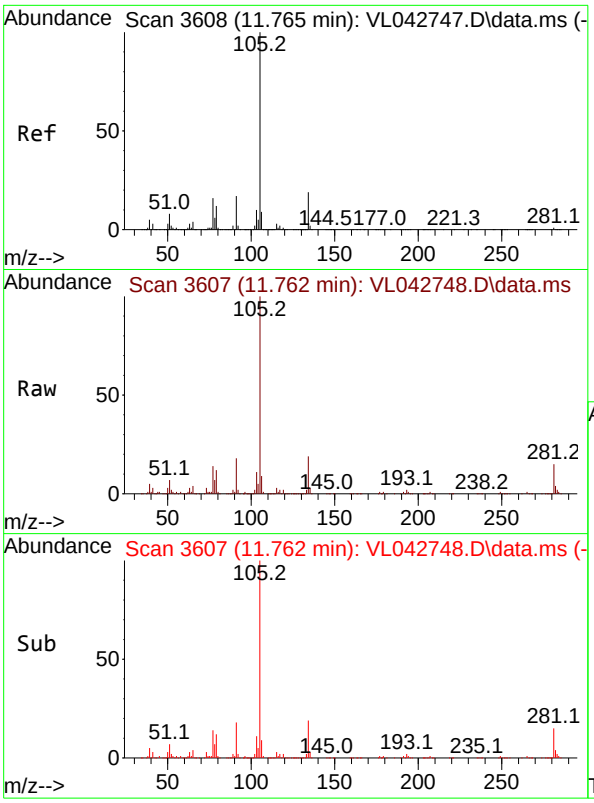


#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 10485

Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.4	21.6
128	6.2	5.2	7.8

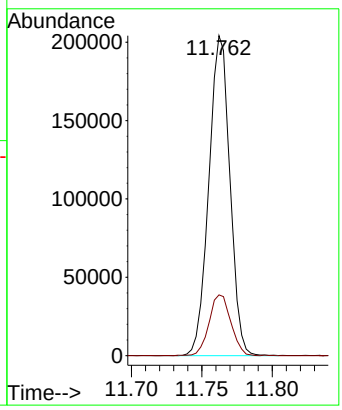




#67
sec-Butylbenzene
Concen: 2.206 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 21292

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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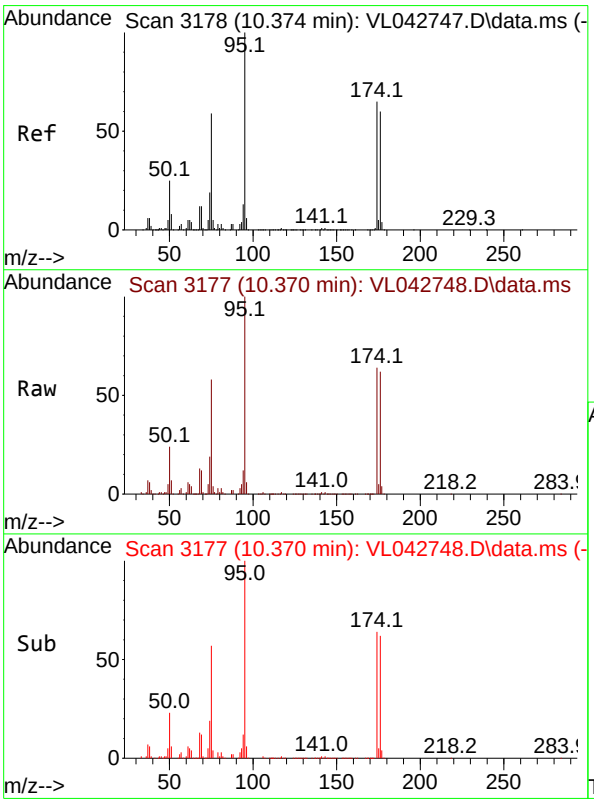
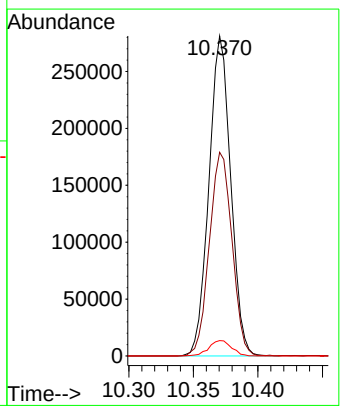
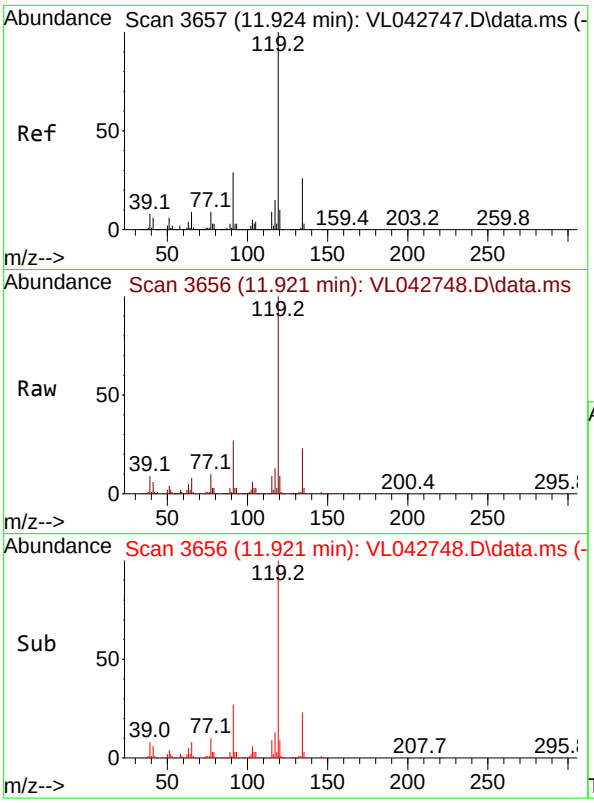


#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 95 Resp: 330476

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.0	4.0	6.0

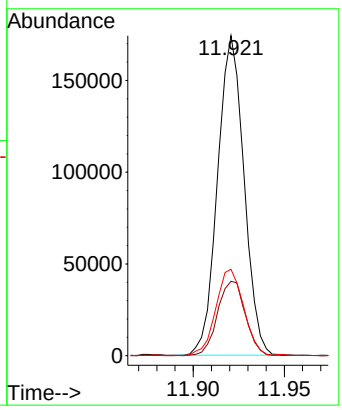




#69
p-Isopropyltoluene
Concen: 2.230 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:119 Resp: 17555

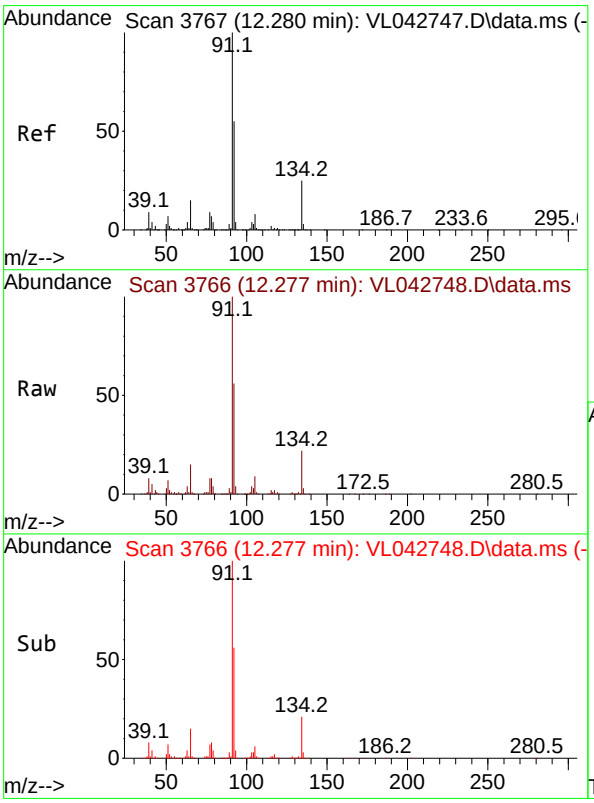
Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

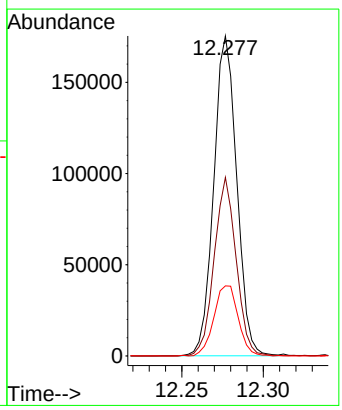
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

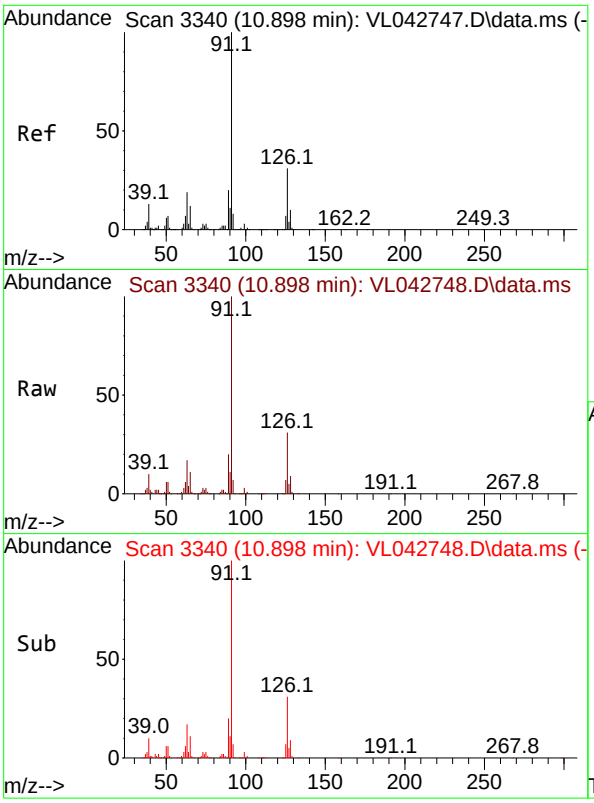


#70
n-Butylbenzene
Concen: 2.258 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 171675

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.4	65.2
134	23.4	19.6	29.4

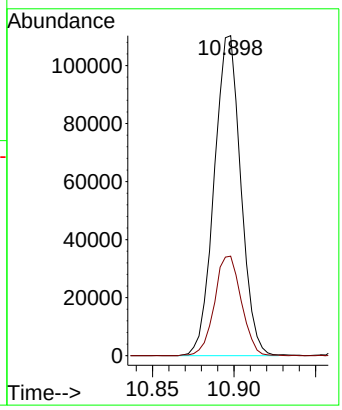




#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 12503

Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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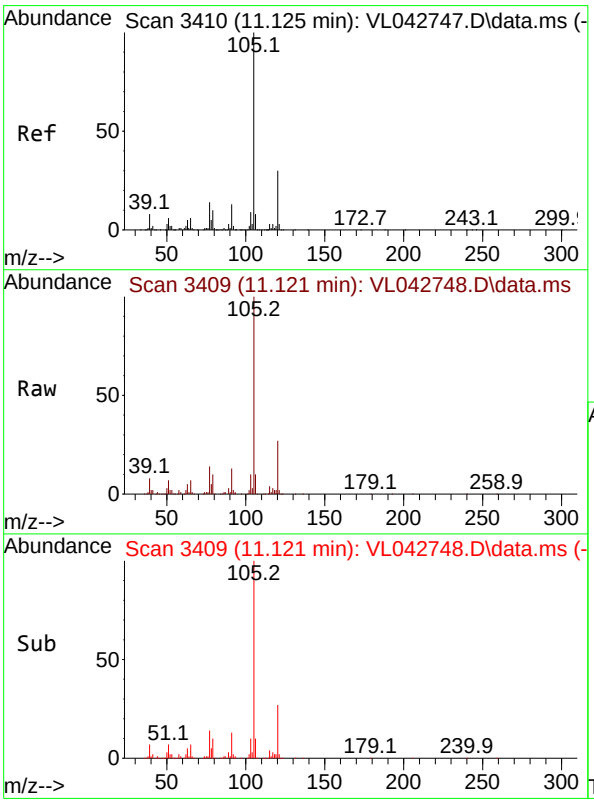
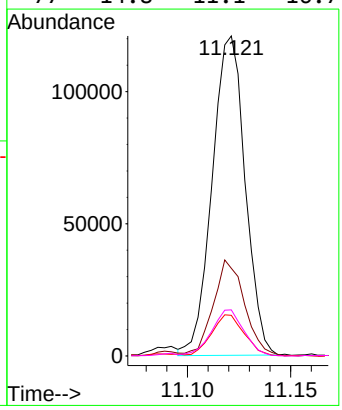
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

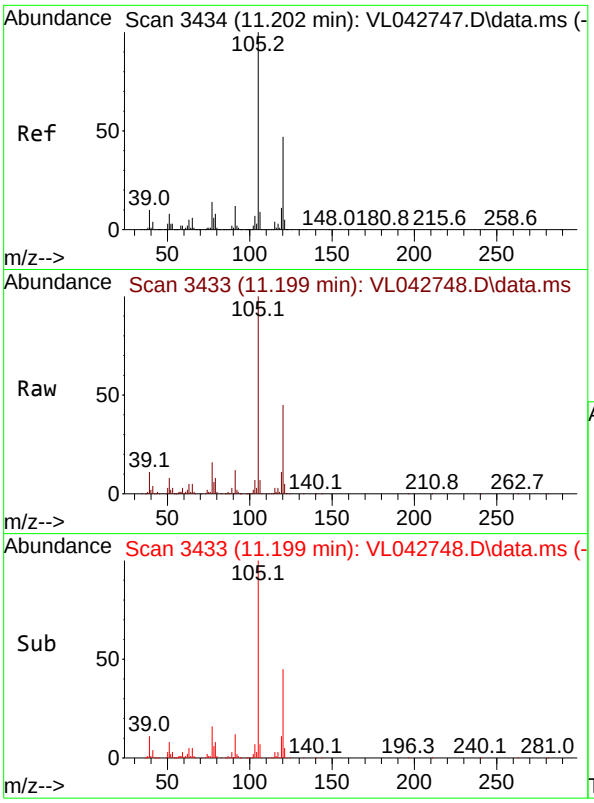


#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097

Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.4	36.6
91	13.7	10.6	15.8
77	14.8	11.1	16.7

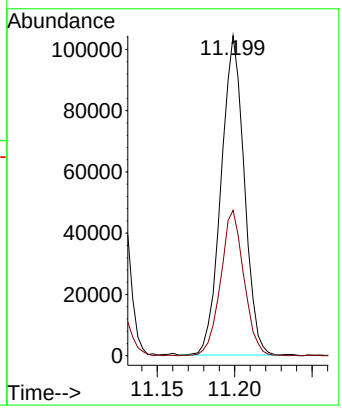




#73
1,3,5-Trimethylbenzene
Concen: 2.122 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 10805

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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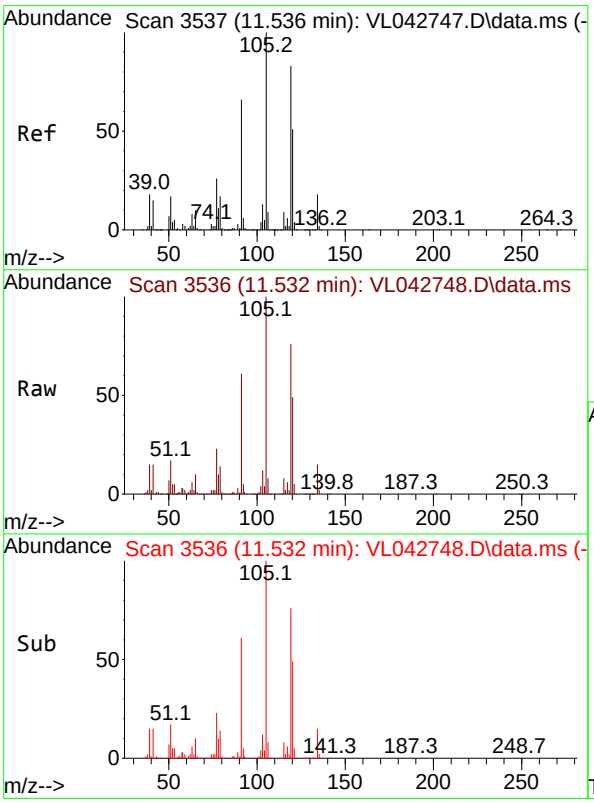
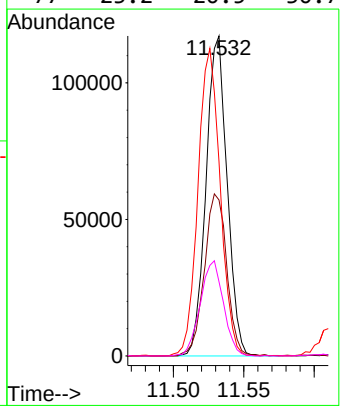
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

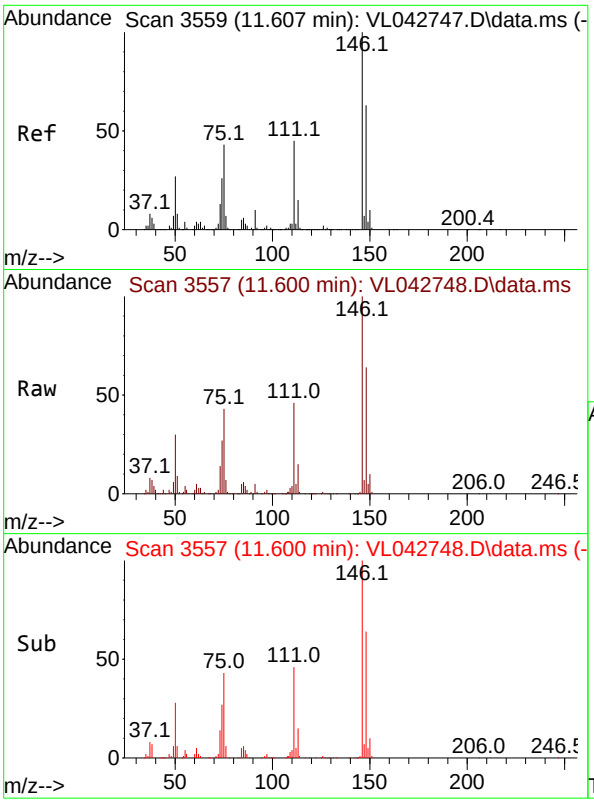


#74
1,2,4-Trimethylbenzene
Concen: 2.201 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295

Ion	Ratio	Lower	Upper
105	100		
120	48.6	40.8	61.2
91	60.6	53.0	79.4
77	23.2	20.5	30.7

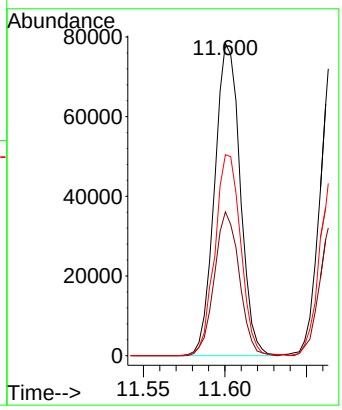




#75
1,3-Dichlorobenzene
Concen: 2.188 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 8525

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	65.2	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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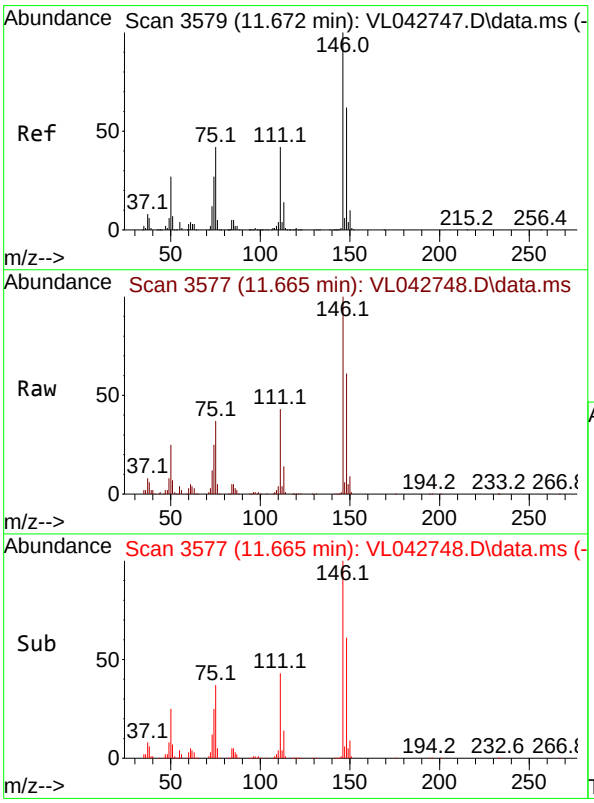
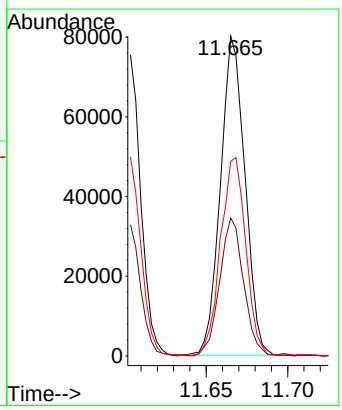
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

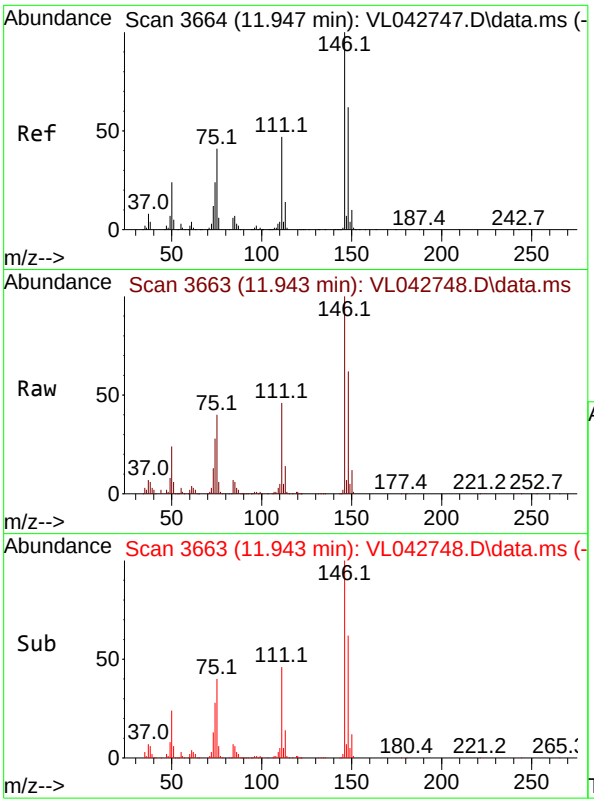


#76
1,4-Dichlorobenzene
Concen: 2.189 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 83440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	64.9	32.1	96.3

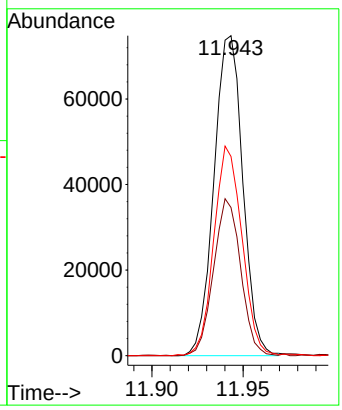




#77
1,2-Dichlorobenzene
Concen: 2.150 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 8231

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.7	71.1
148	64.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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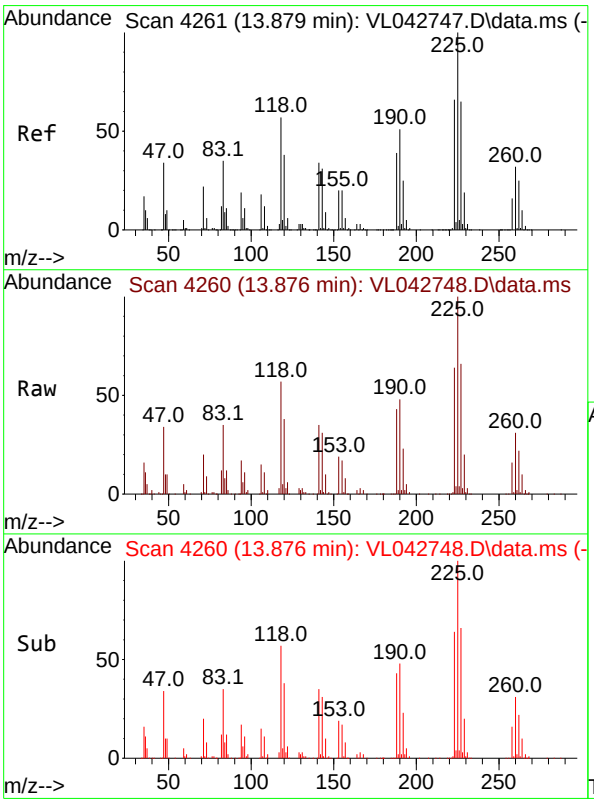
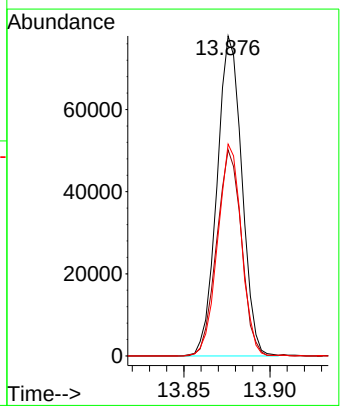
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

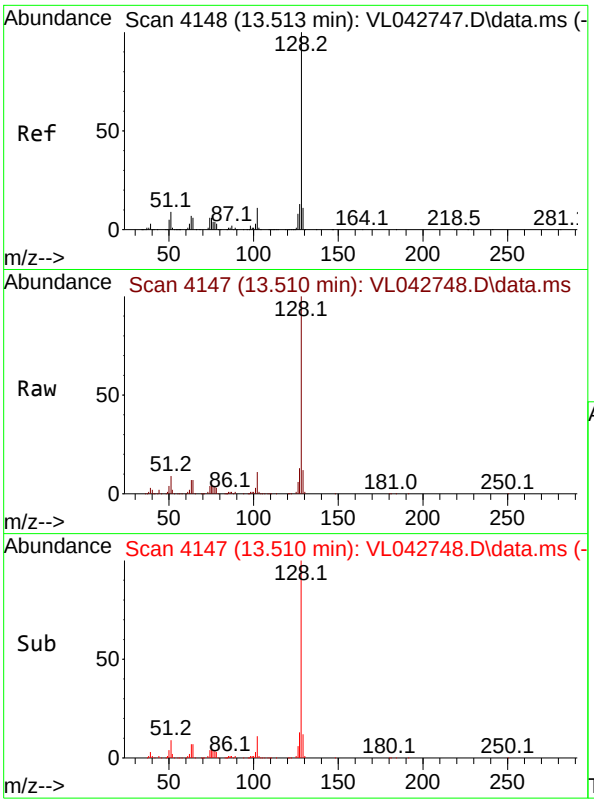


#78
Hexachloro-1,3-Butadiene
Concen: 2.259 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:225 Resp: 78291

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	63.3	50.5	75.7

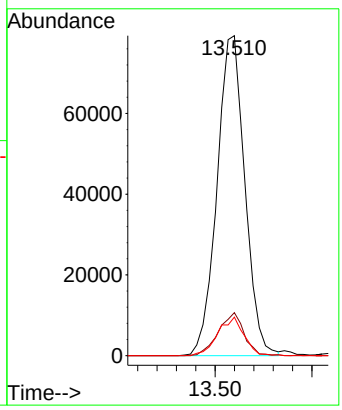




#79
Naphthalene
Concen: 1.690 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:128 Resp: 7919

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.1	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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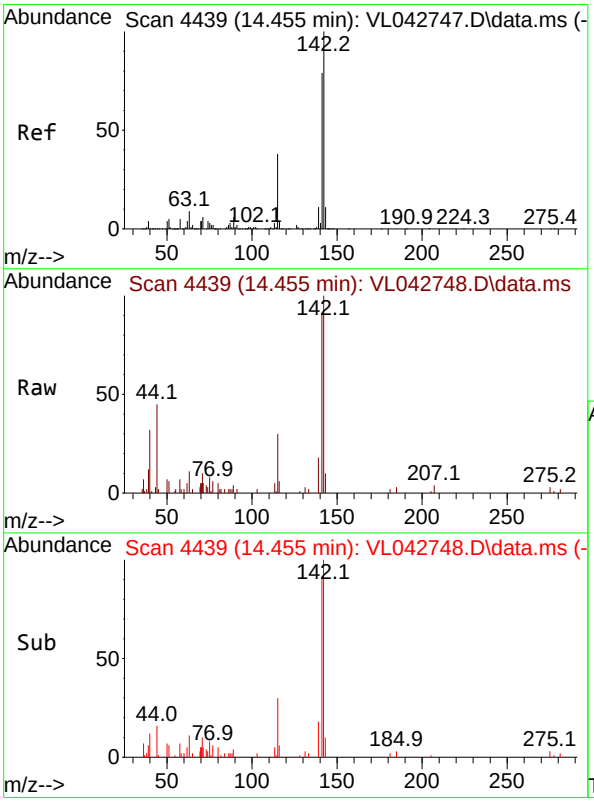
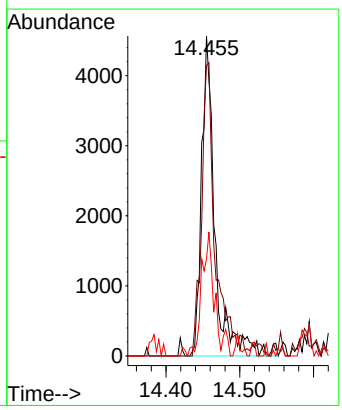
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

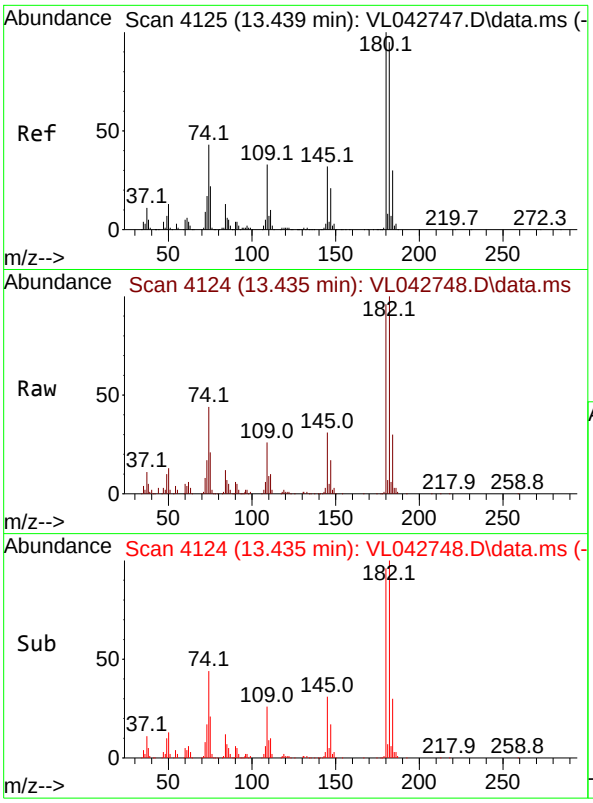


#80
Naphthalene,2-methyl-
Concen: 1.298 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851

Ion	Ratio	Lower	Upper
142	100		
141	94.9	65.8	98.8
115	40.3	31.2	46.8

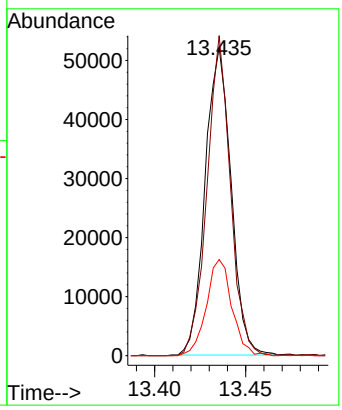




#81
1,2,4-Trichlorobenzene
Concen: 1.888 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:180 Resp: 5151

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	30.9	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156293	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	327673	10.091	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv		93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv		99
4) Chloromethane	1.531	50	9047	1.082	ppbv		96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv		96
6) Bromomethane	1.667	94	3743	1.172	ppbv	#	71
7) Chloroethane	1.703	64	3061	0.959	ppbv		99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv		98
9) Propene	1.483	41	10346	1.057	ppbv		95
10) Heptane	4.975	43	26137m	0.993	ppbv		
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv		97
13) Ethanol	1.719	45	1620m	1.222	ppbv		
14) Bromoethene	1.780	108	5928	1.034	ppbv	#	92
15) Acetone	1.832	43	23119	1.071	ppbv		94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv		98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv		95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv	#	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv		90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv		92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv		89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv		99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv		97
26) Hexane	2.823	57	22279	1.063	ppbv		98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv	#	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv		90
29) Chloroform	2.845	83	32880	1.015	ppbv		95
30) Cyclohexane	3.852	84	17824	1.003	ppbv		97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv		97
34) 2-Butanone	2.554	43	32783	1.007	ppbv		98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv		92
36) Benzene	3.651	78	44638	1.024	ppbv		98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv	#	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv		93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv		94
40) 1,4-Dioxane	4.587	88	7811m	1.030	ppbv		
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv		97
42) Bromodichloromethane	4.480	83	34995m	1.023	ppbv		
43) Methyl Methacrylate	4.868	69	14886m	0.961	ppbv		
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	15641m	0.900	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	21088m	0.958	ppbv		
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv	#	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv		99
49) Bromoform	9.474	173	23083	0.973	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	41715m	1.006	ppbv		
51) 2-Hexanone	7.435	43	29761	0.939	ppbv	#	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv		96
53) Toluene	6.927	91	45645	0.976	ppbv		98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv		94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv	#	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv		98
59) m/p-Xylene	9.545	91	104545m	2.020	ppbv		
60) o-Xylene	9.959	91	52499	1.015	ppbv		99
61) Styrene	9.865	104	20313	0.934	ppbv		97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv		100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv		95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv		95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv		96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv		99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv		98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv		98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv		100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv		99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv		97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv		97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv		98
79) Naphthalene	13.510	128	29792	0.907	ppbv		97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv	#	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv		98

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

Quantitation Report (QT Reviewed)

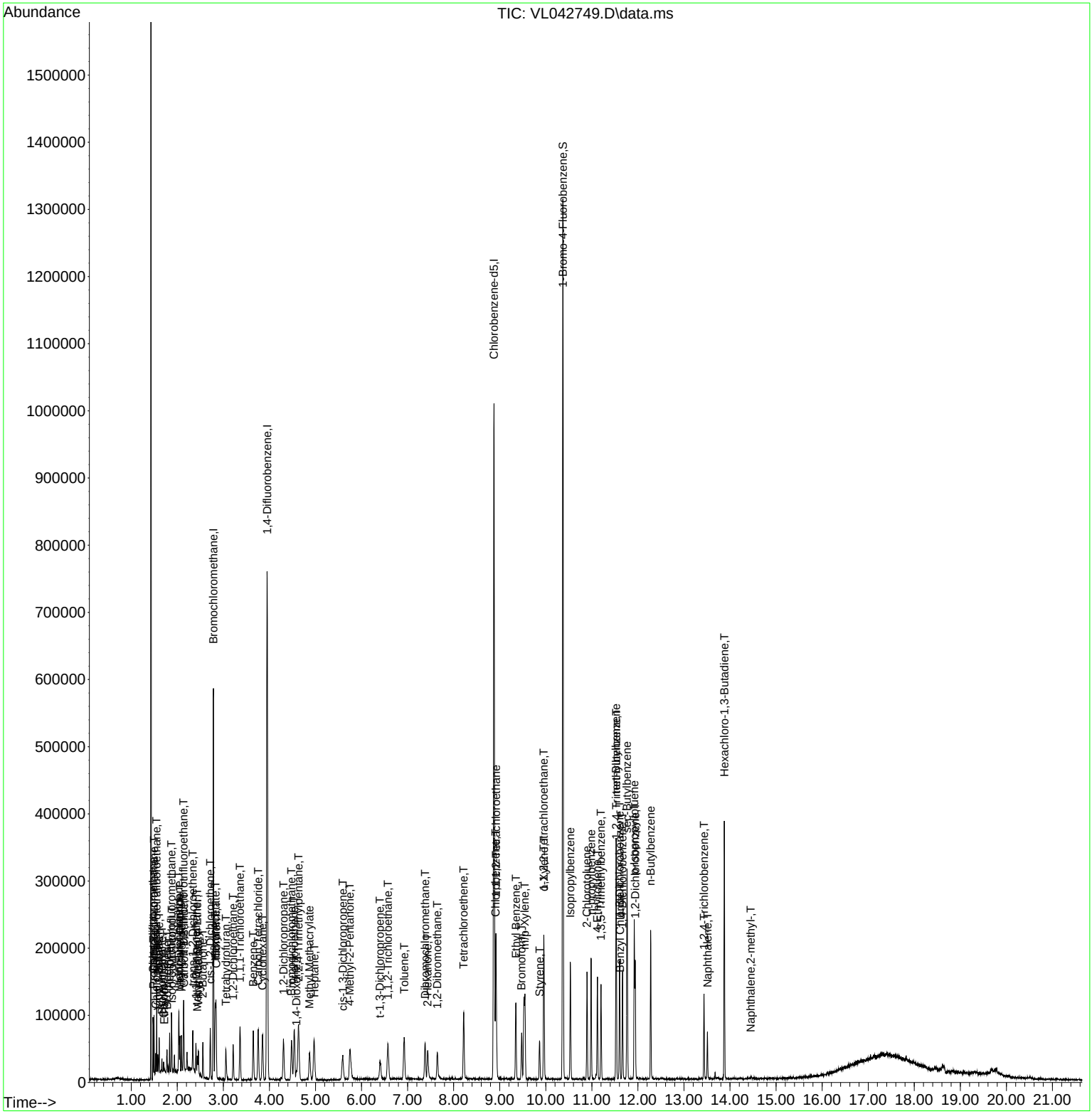
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

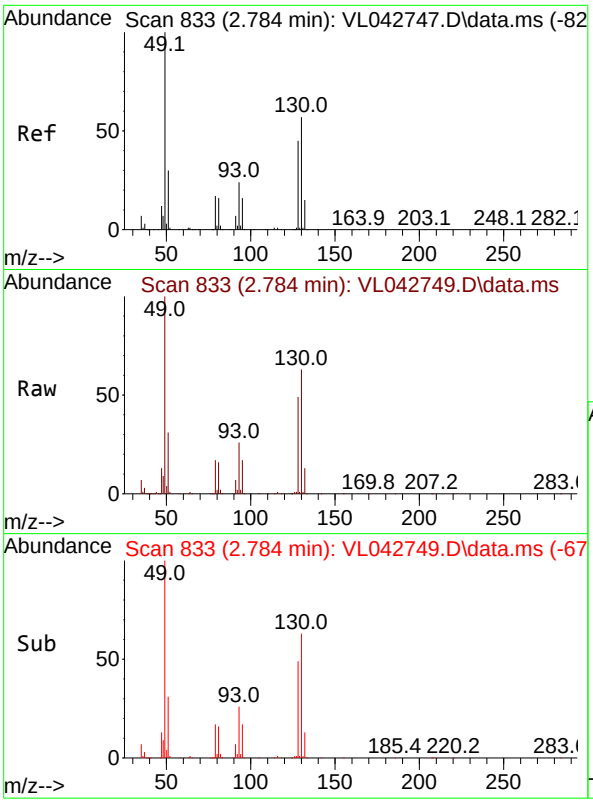
Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

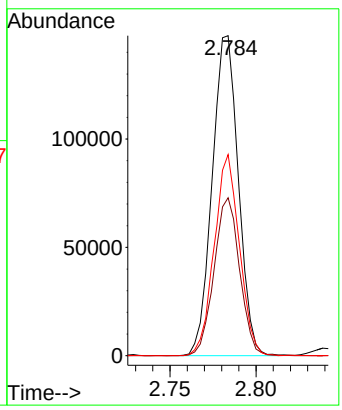




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 49 Resp: 15629

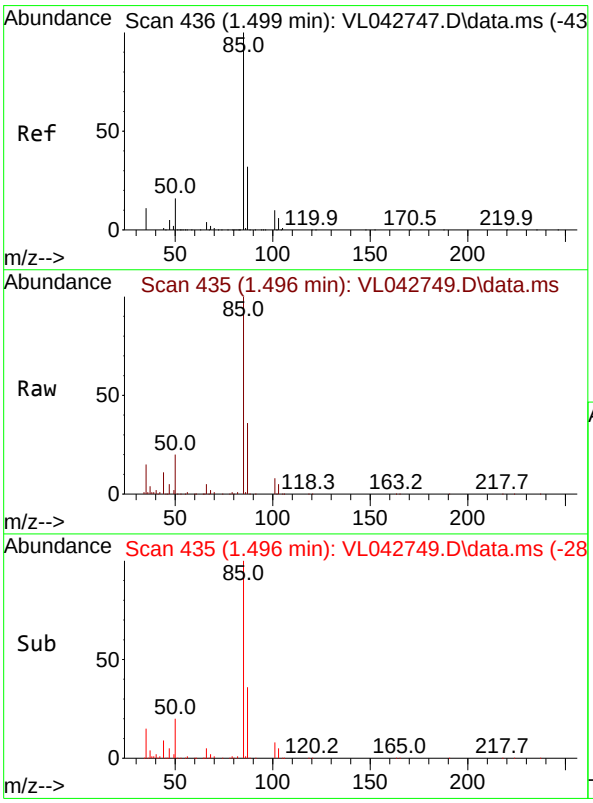
Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.6	71.0
130	60.4	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

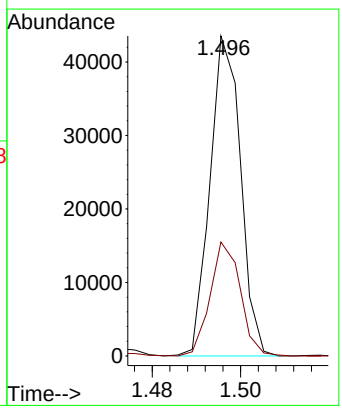
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

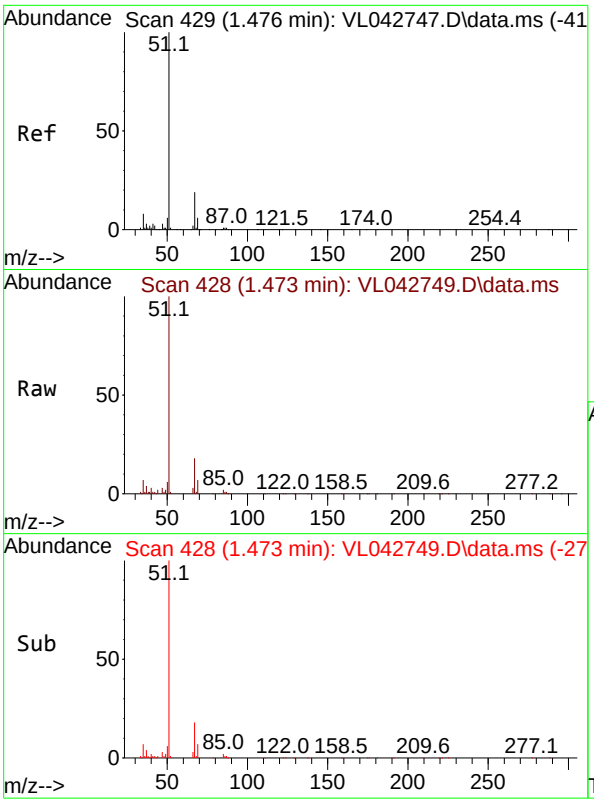


#2
Dichlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 20935

Ion	Ratio	Lower	Upper
85	100		
87	35.6	25.4	38.2

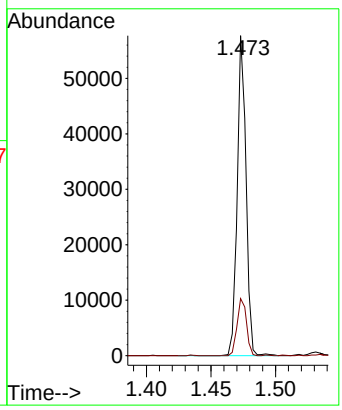




#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 51 Resp: 2745

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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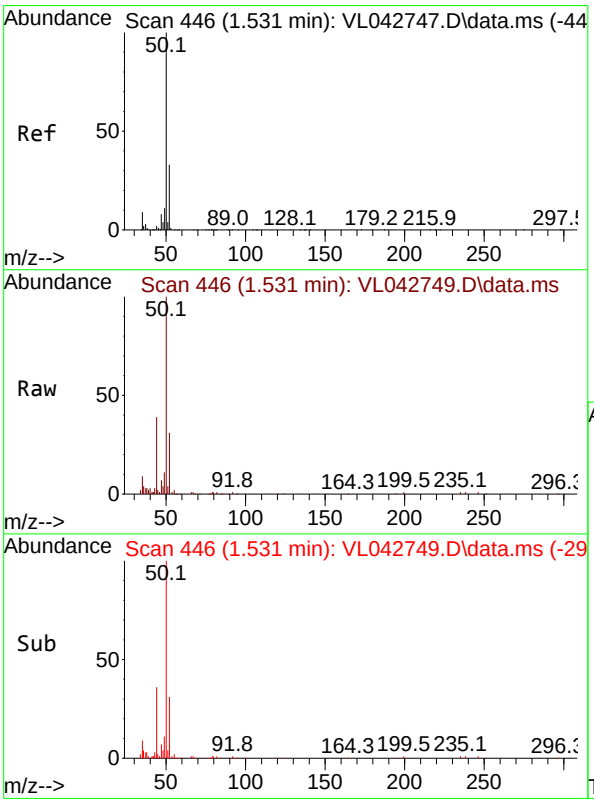
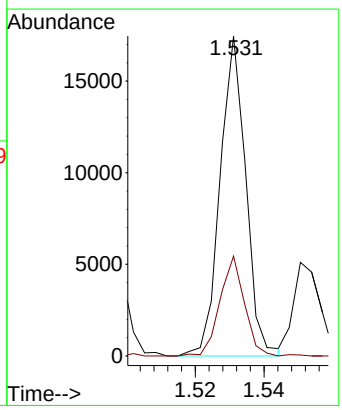
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

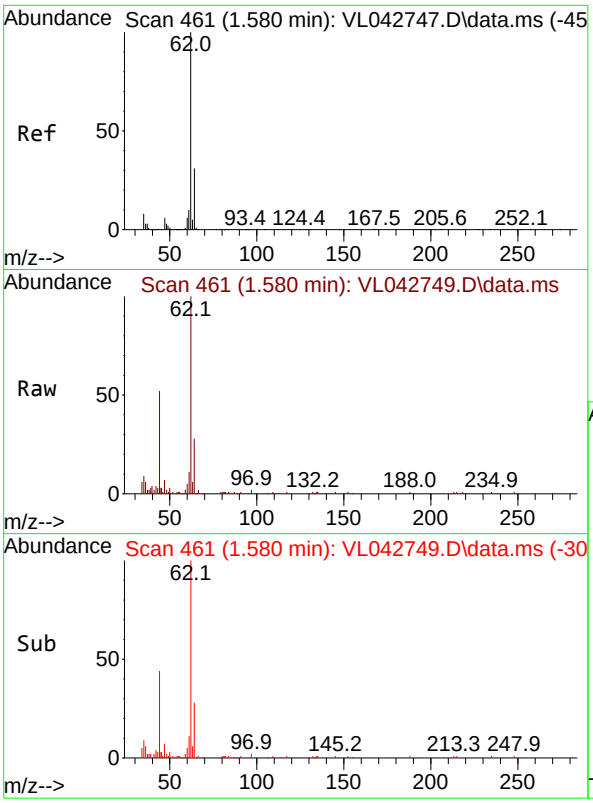


#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 50 Resp: 9047

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.6	40.0

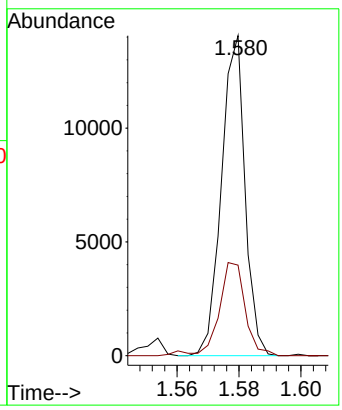




#5
Vinyl Chloride
Concen: 0.900 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 62 Resp: 743

Ion	Ratio	Lower	Upper
62	100		
64	28.3	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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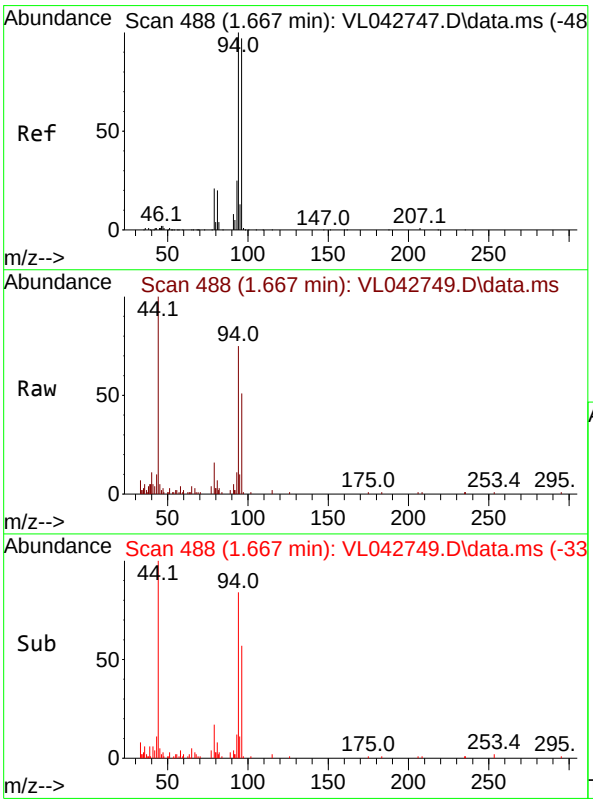
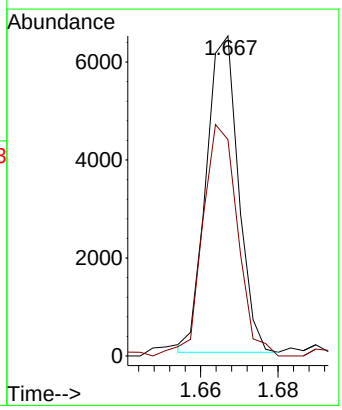
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

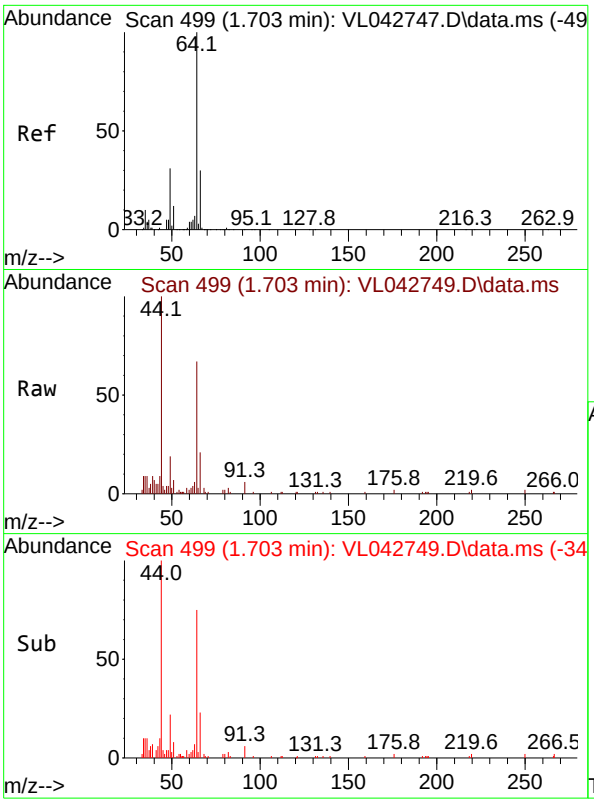


#6
Bromomethane
Concen: 1.172 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743

Ion	Ratio	Lower	Upper
94	100		
96	68.4	77.6	116.4#

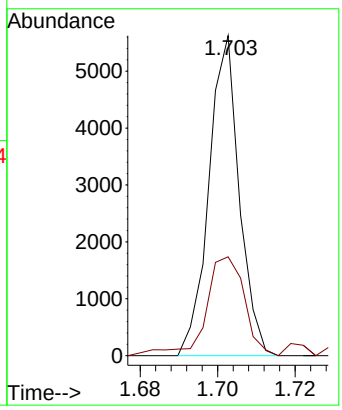




#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 64 Resp: 306

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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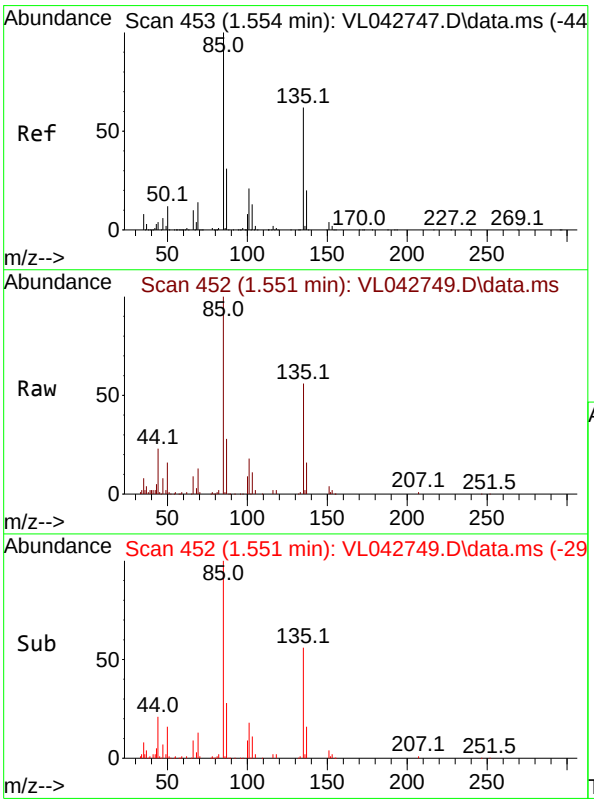
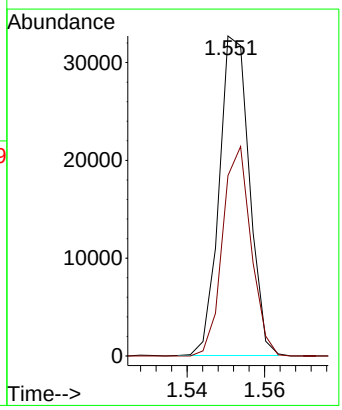
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

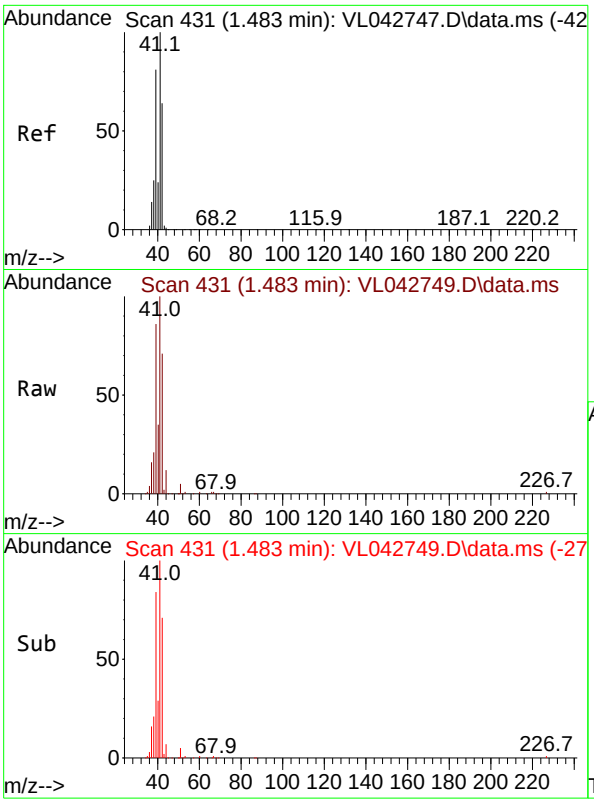


#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668

Ion	Ratio	Lower	Upper
85	100		
135	62.1	50.6	76.0

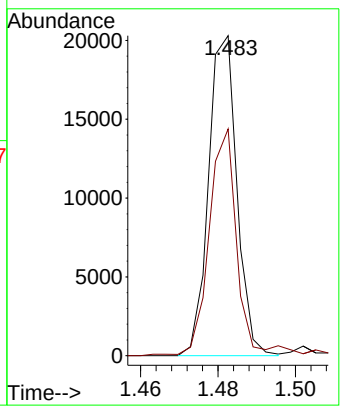




#9
Propene
Concen: 1.057 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 41 Resp: 1034

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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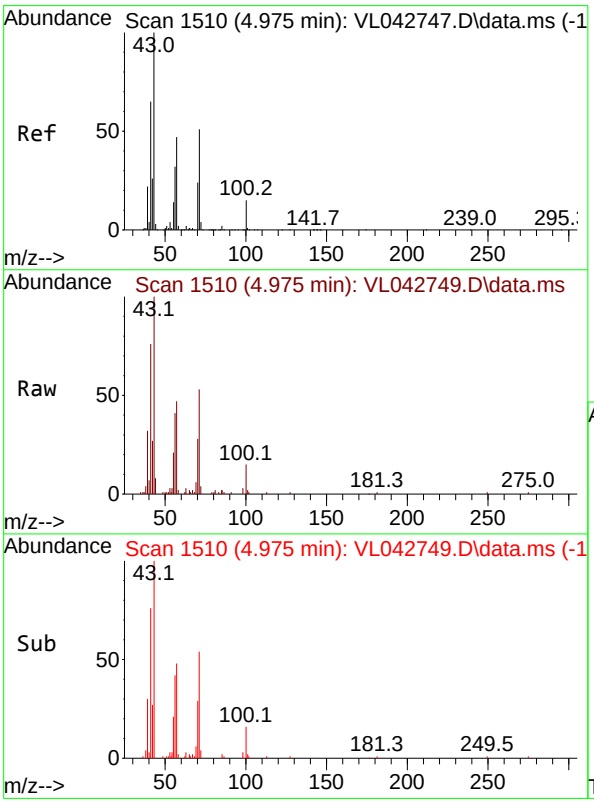
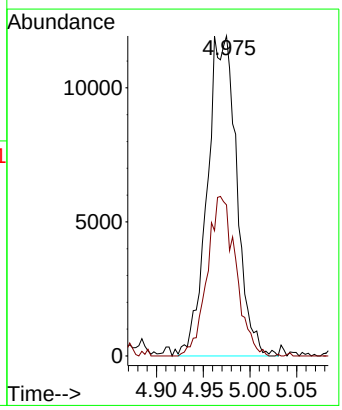
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

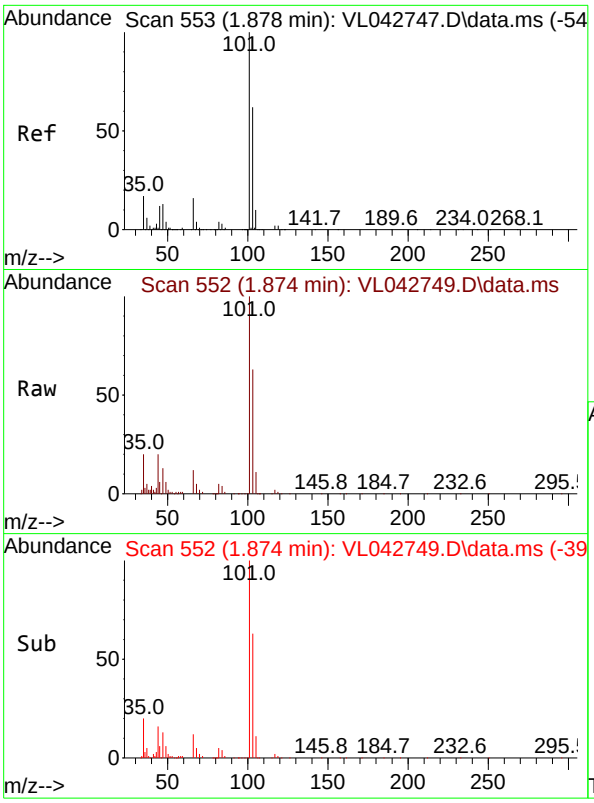


#10
Heptane
Concen: 0.993 ppbv m
RT: 4.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 26137

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.9	59.9

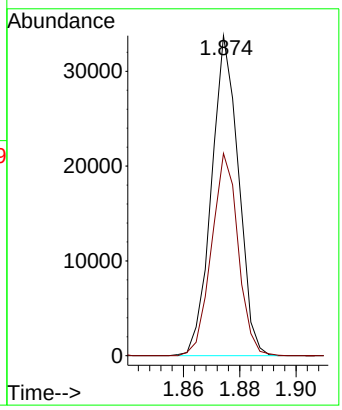




#11
Trichlorofluoromethane
Concen: 1.053 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 2242

Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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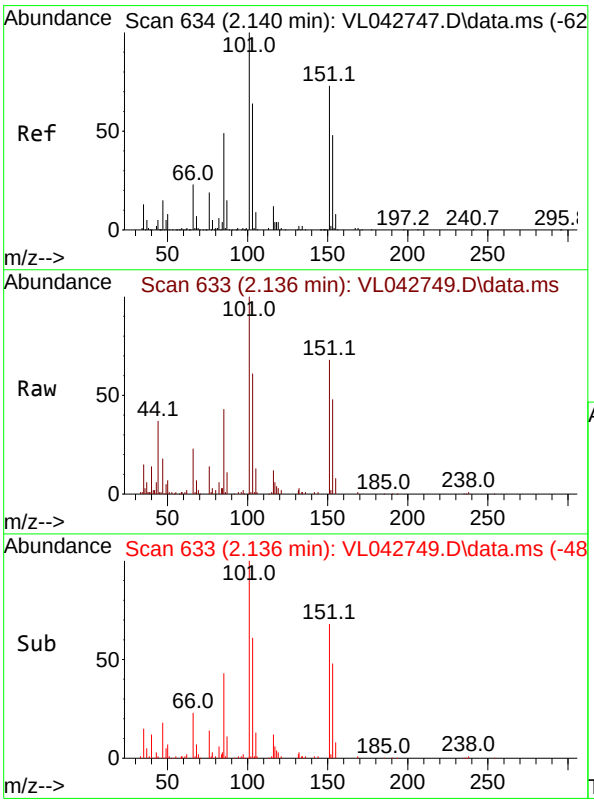
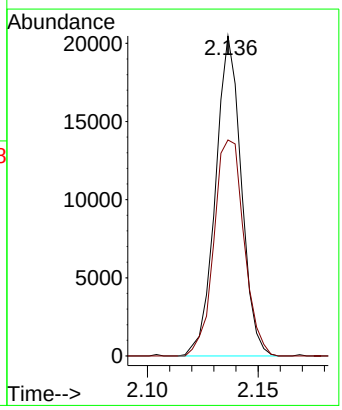
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

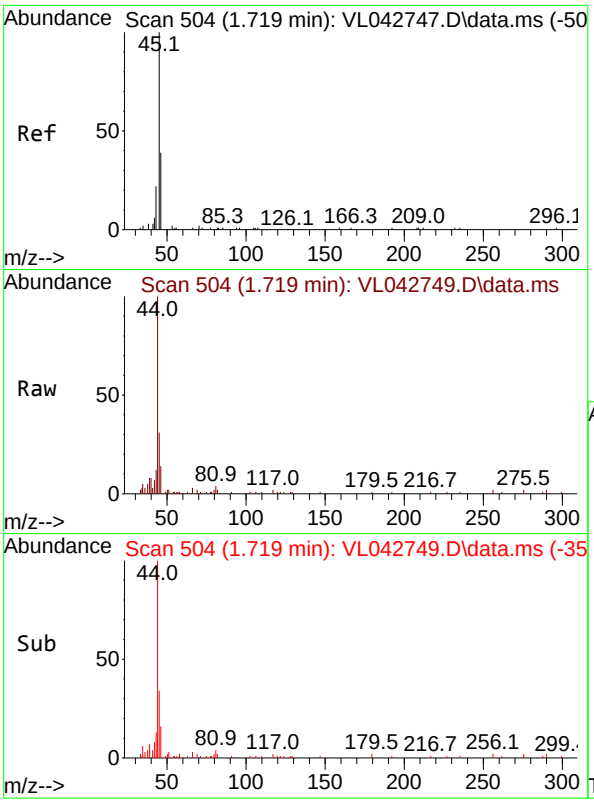


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.026 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 16608

Ion	Ratio	Lower	Upper
101	100		
151	78.6	60.5	90.7

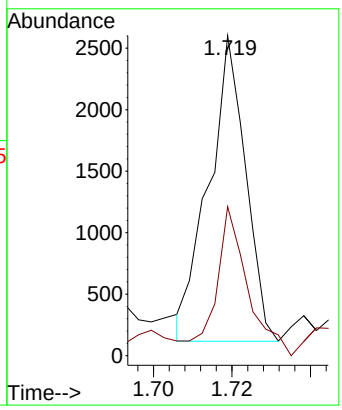




#13
Ethanol
Concen: 1.222 ppbv m
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 45 Resp: 162(

Ion	Ratio	Lower	Upper
45	100		
46	38.4	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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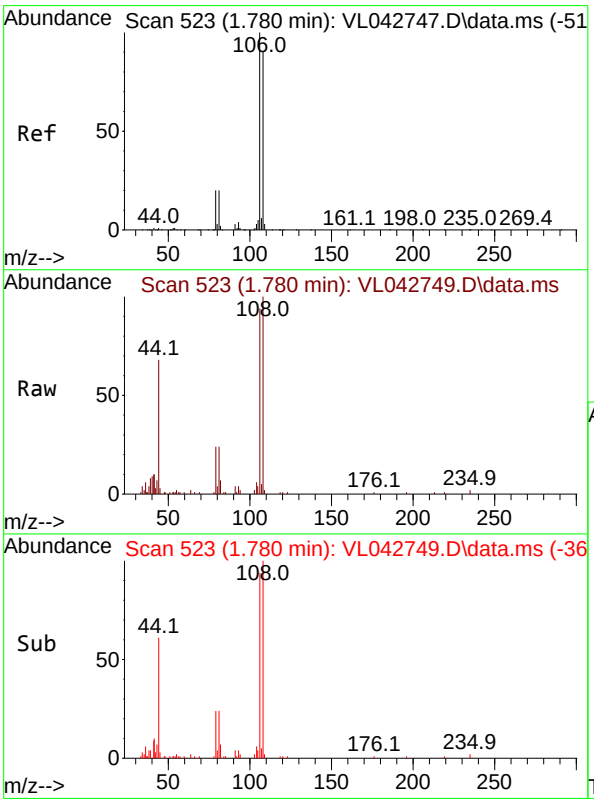
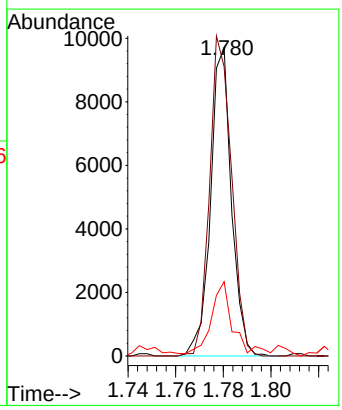
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

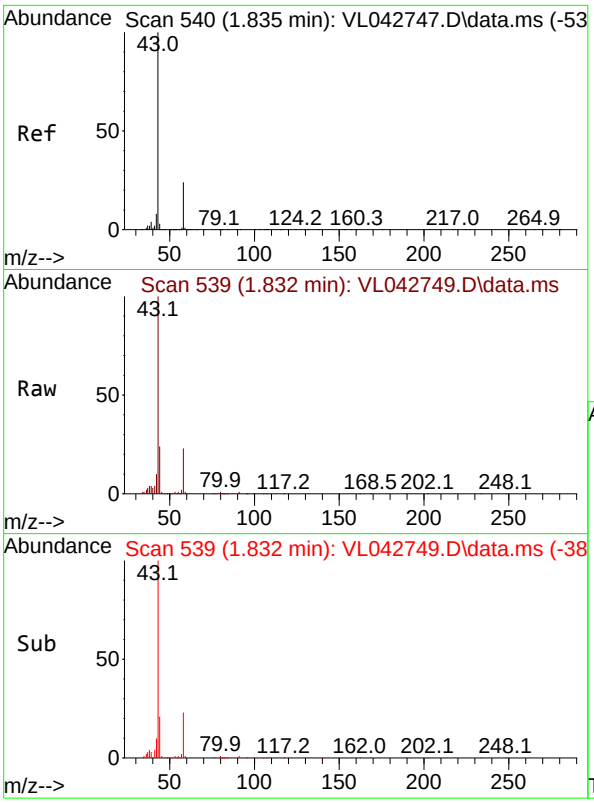


#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:108 Resp: 5928

Ion	Ratio	Lower	Upper
108	100		
106	108.7	84.7	127.1
79	38.6	17.4	26.2#

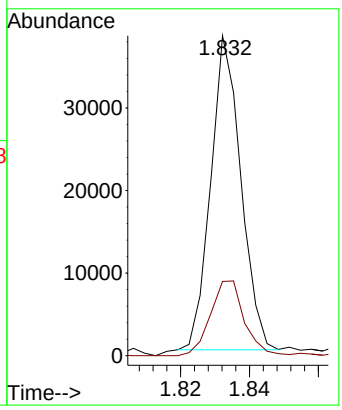




#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2311

Ion	Ratio	Lower	Upper
43	100		
58	27.7	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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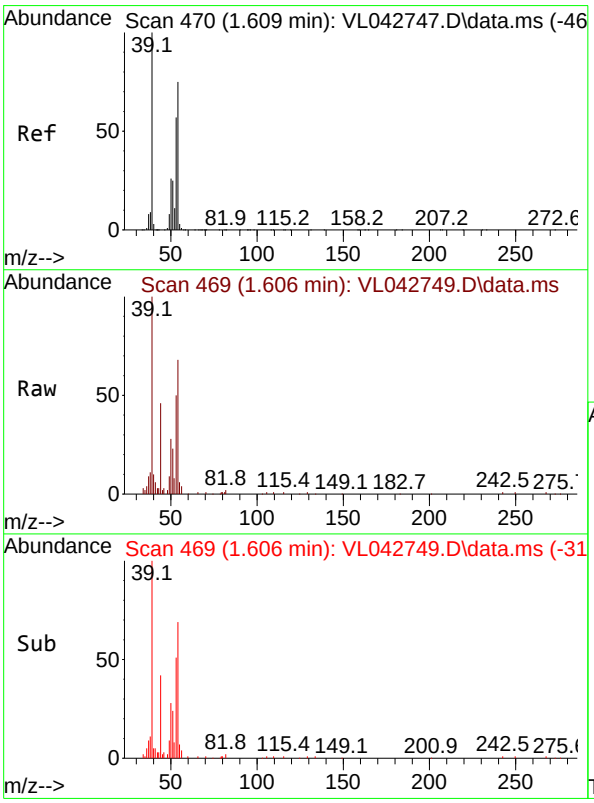
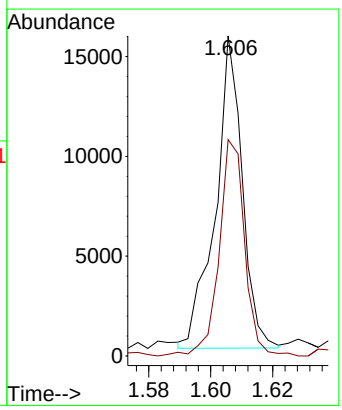
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

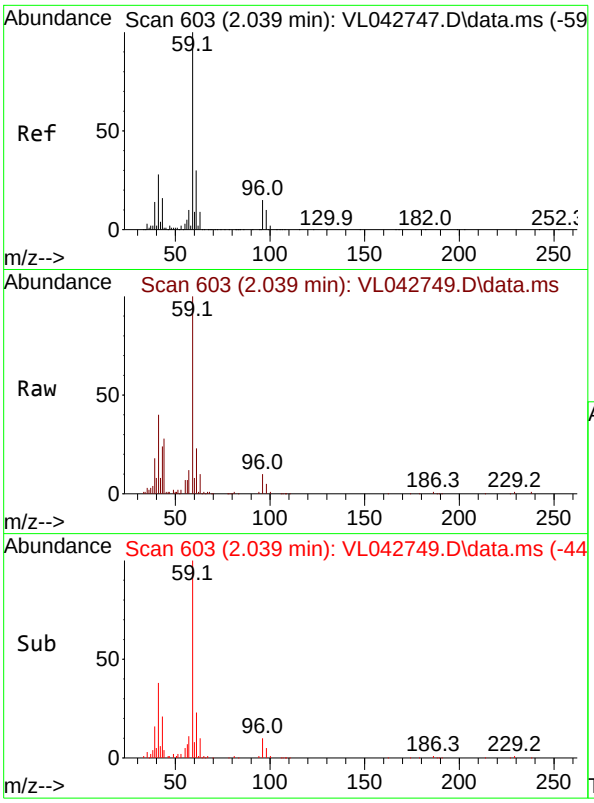


#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 39 Resp: 9416

Ion	Ratio	Lower	Upper
39	100		
54	69.7	54.5	81.7

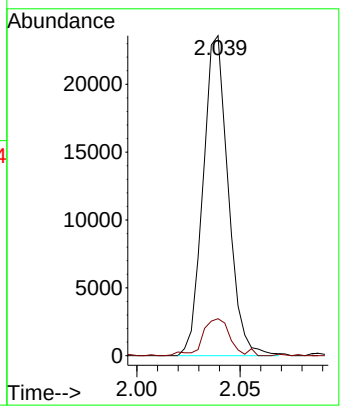




#17
tert-Butyl alcohol
Concen: 1.024 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 59 Resp: 1992

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#



Instrument :
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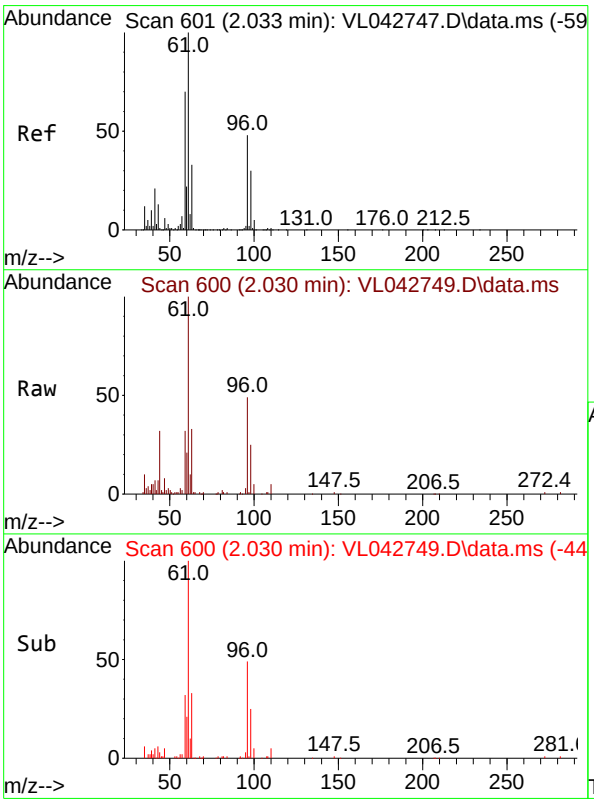
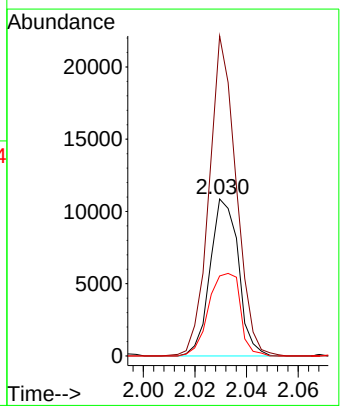
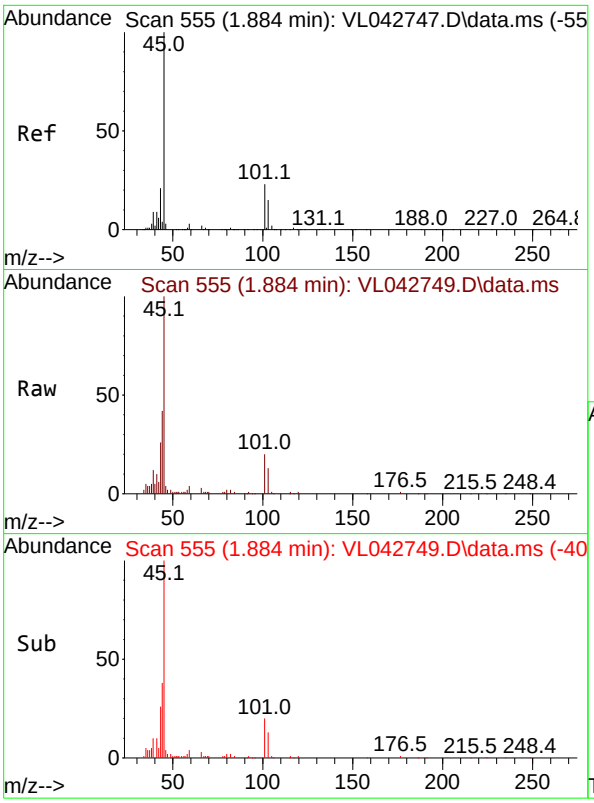


#18
1,1-Dichloroethene
Concen: 1.132 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 8276

Ion	Ratio	Lower	Upper
96	100		
61	203.0	165.8	248.6
98	51.0	49.9	74.9

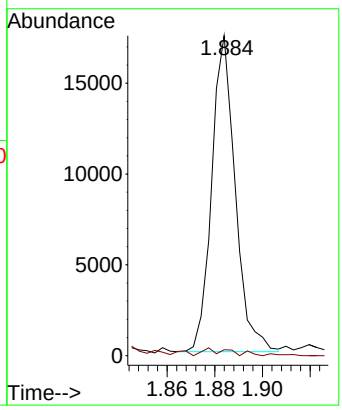




#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 45 Resp: 1194

Ion	Ratio	Lower	Upper
45	100		
58	2.8	30.0	45.0



Instrument :
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ClientSampleId :
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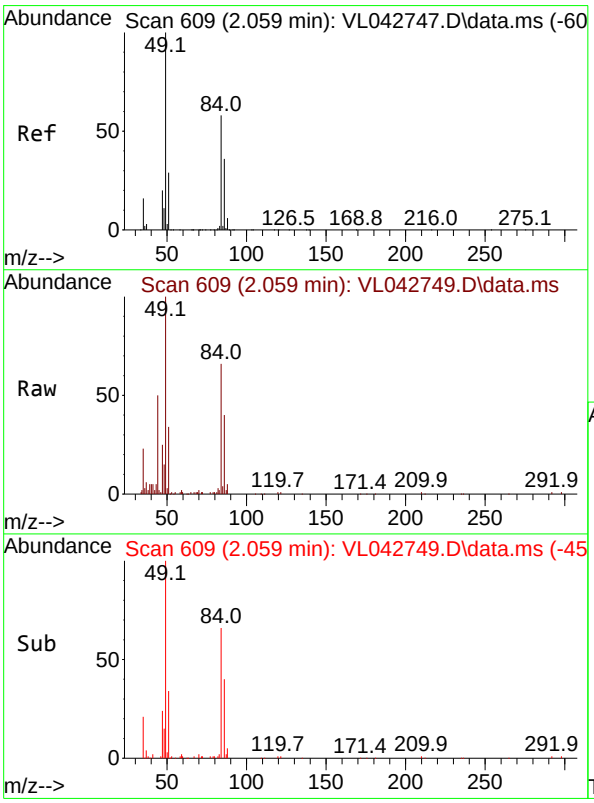
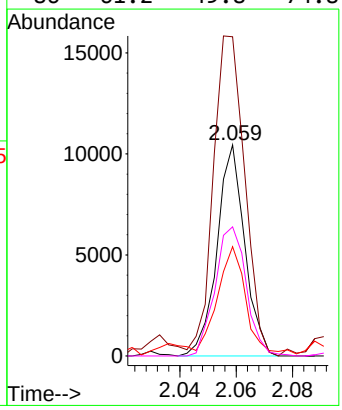
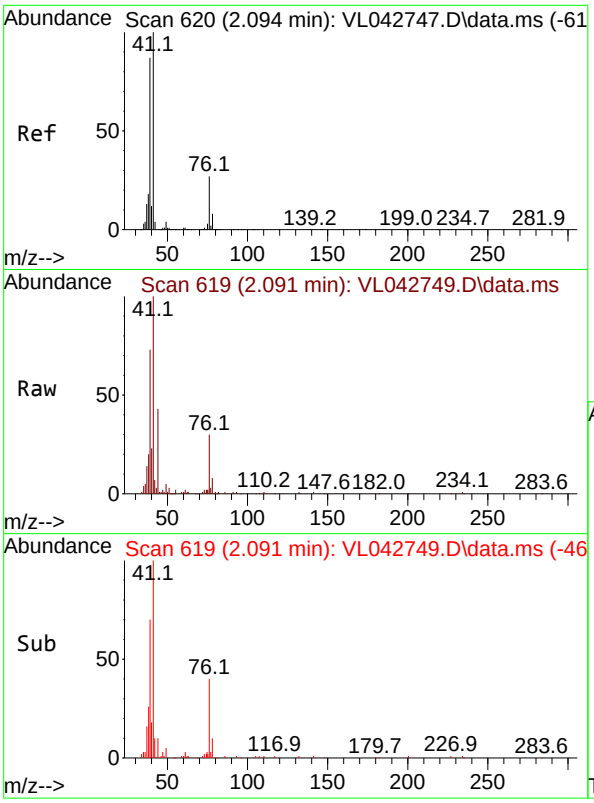


#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 7153

Ion	Ratio	Lower	Upper
84	100		
49	151.3	138.6	208.0
51	50.2	40.6	61.0
86	61.2	49.8	74.8

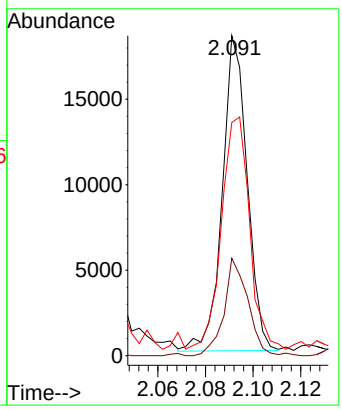




#21
Allyl Chloride
Concen: 1.006 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 41 Resp: 1338

Ion	Ratio	Lower	Upper
41	100		
76	30.1	21.1	31.7
39	93.4	68.3	102.5



Instrument :
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ClientSampleId :
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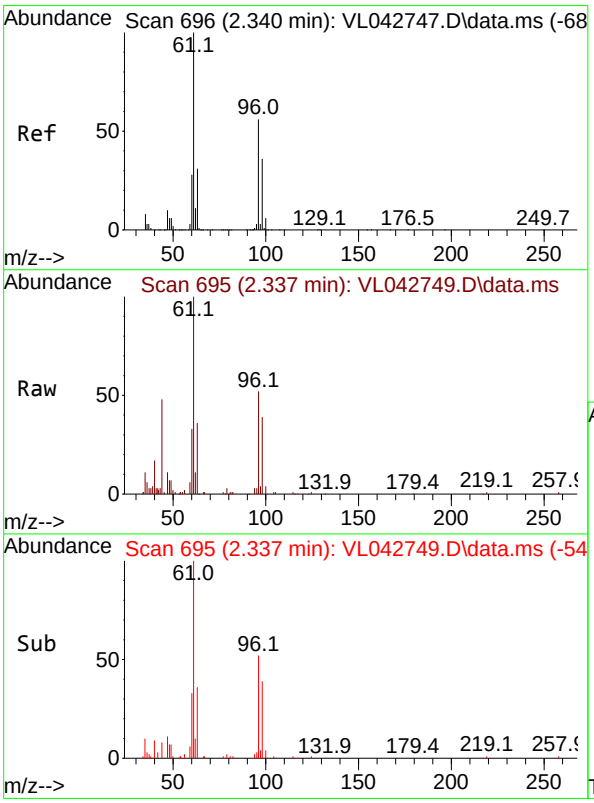
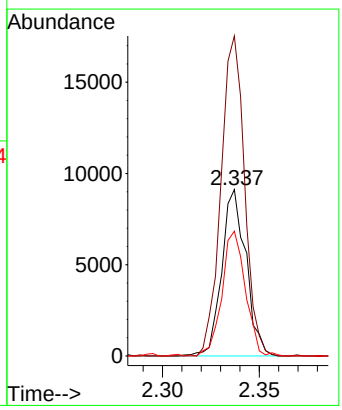
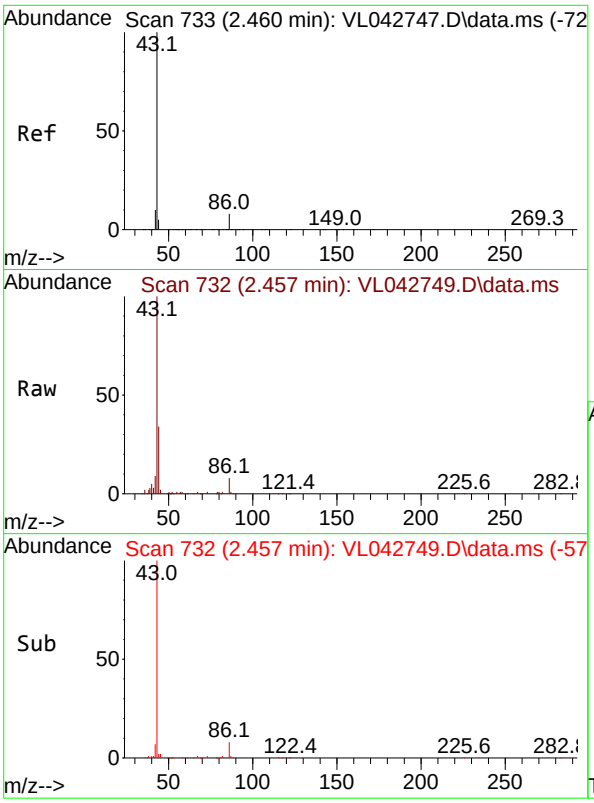


#22
trans-1,2-Dichloroethene
Concen: 1.007 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 7909

Ion	Ratio	Lower	Upper
96	100		
61	192.3	142.3	213.5
98	74.2	50.6	76.0

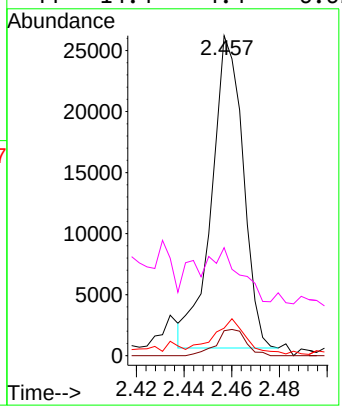




#23
Vinyl Acetate
Concen: 0.897 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2347

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	7.5	7.8	11.8#
44	14.4	4.4	6.6#



Instrument :
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ClientSampleId :
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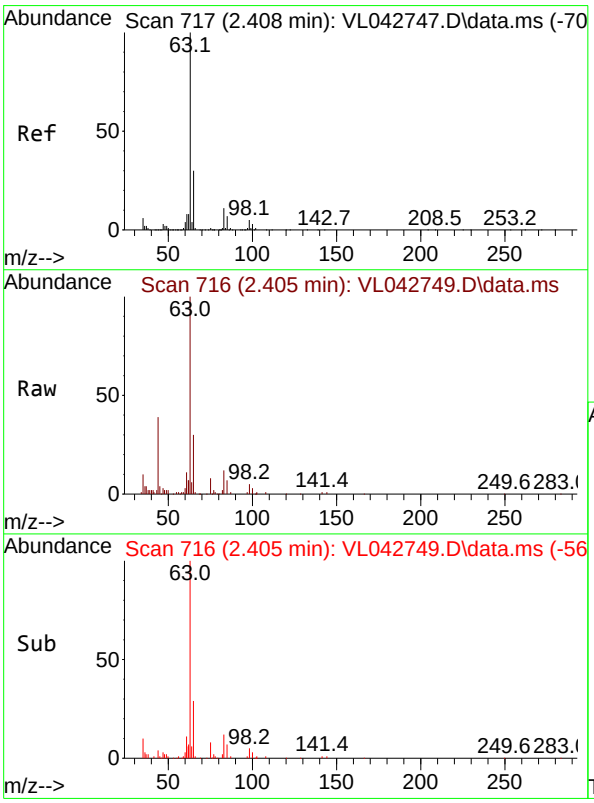
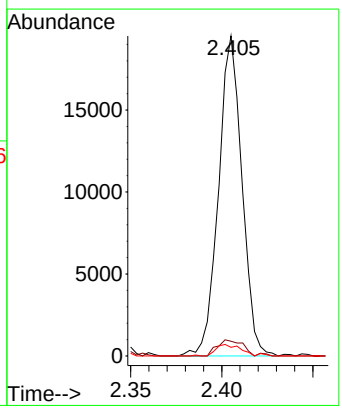
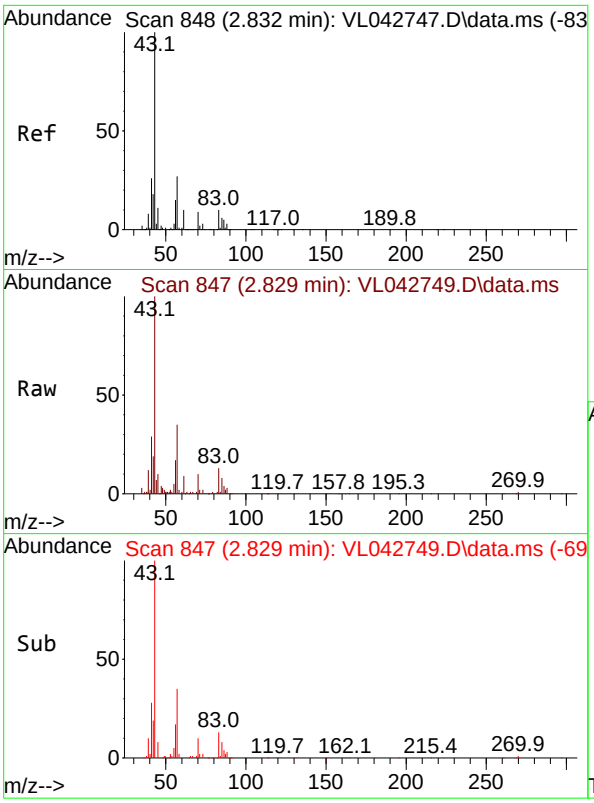


#24
1,1-Dichloroethane
Concen: 1.081 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 17459

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.4
100	2.7	1.6	4.8

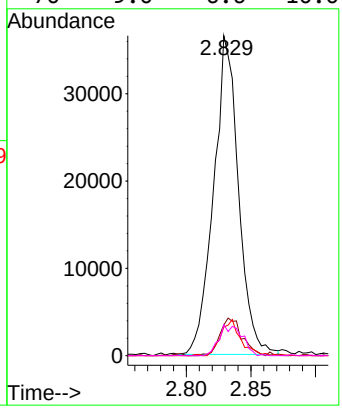




#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 4879

Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.6
61	9.3	6.7	10.1
70	9.0	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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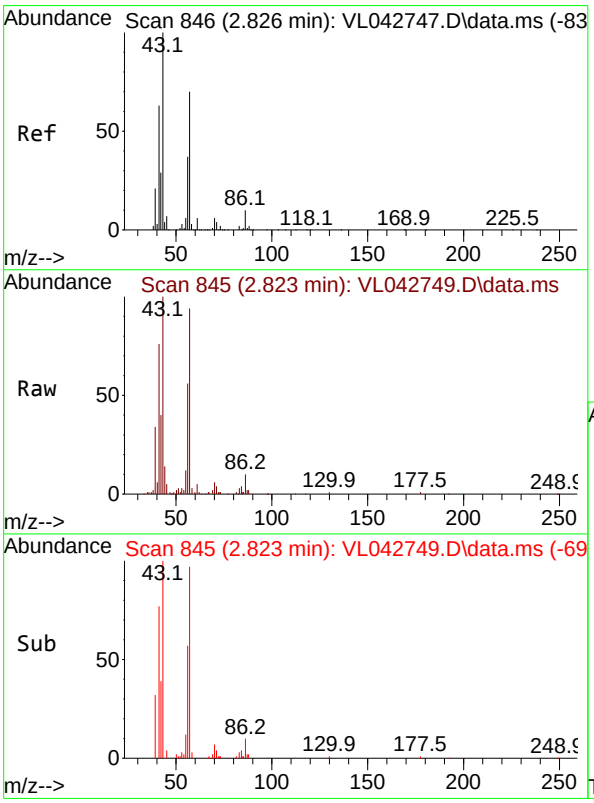
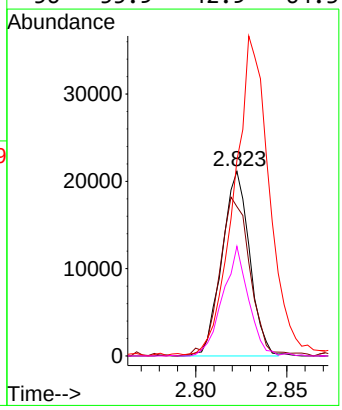
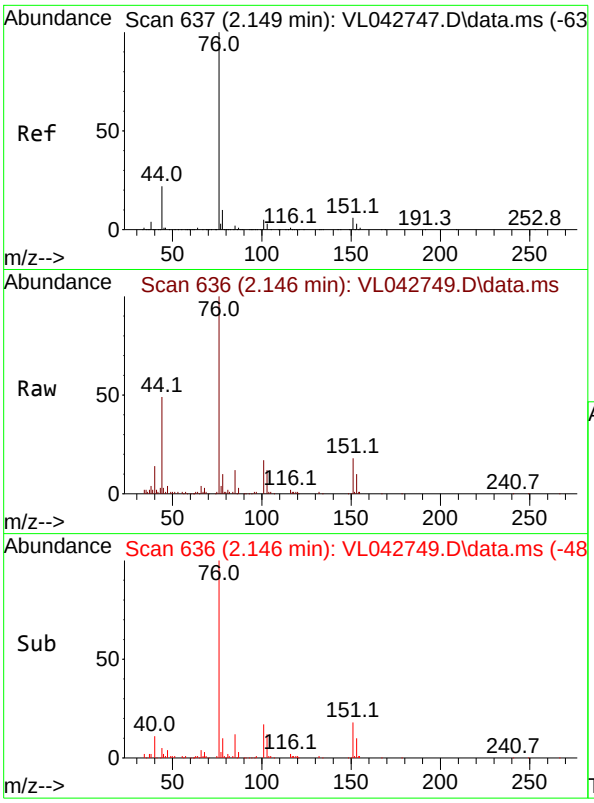


#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 22279

Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.4	113.2
43	230.7	185.0	277.6
56	55.9	42.9	64.3

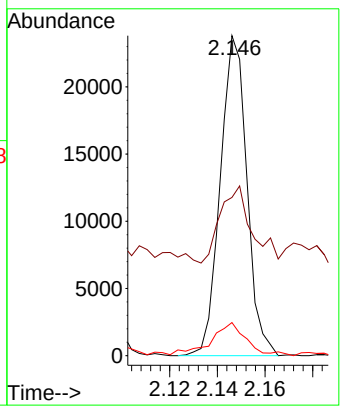




#27
Carbon Disulfide
Concen: 1.031 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 76 Resp: 1848

Ion	Ratio	Lower	Upper
76	100		
44	115.6	19.3	28.9#
78	14.9	9.9	14.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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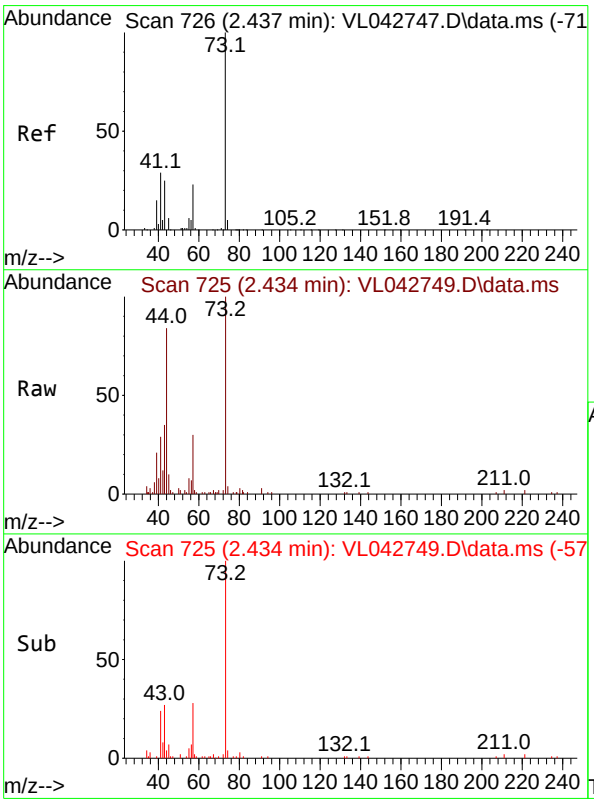
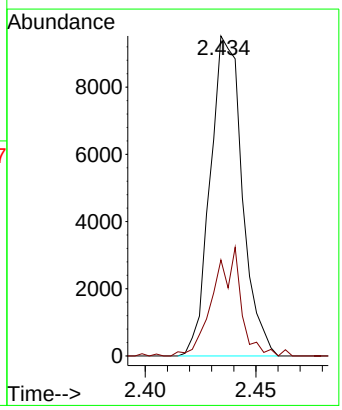
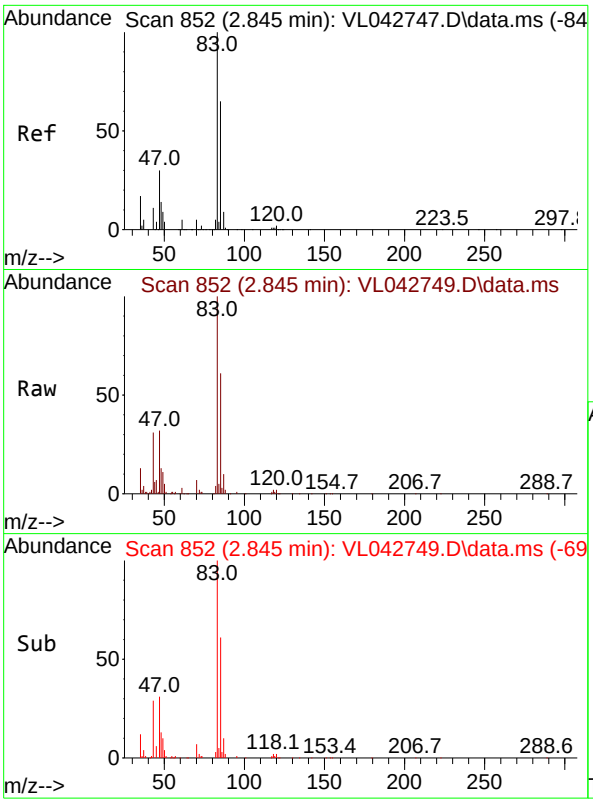


#28
Methyl tert-Butyl Ether
Concen: 0.968 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 9587

Ion	Ratio	Lower	Upper
73	100		
57	29.7	19.8	29.8

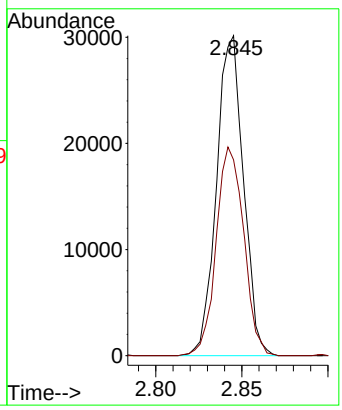




#29
Chloroform
Concen: 1.015 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 3288

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.2



Instrument :
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ClientSampleId :
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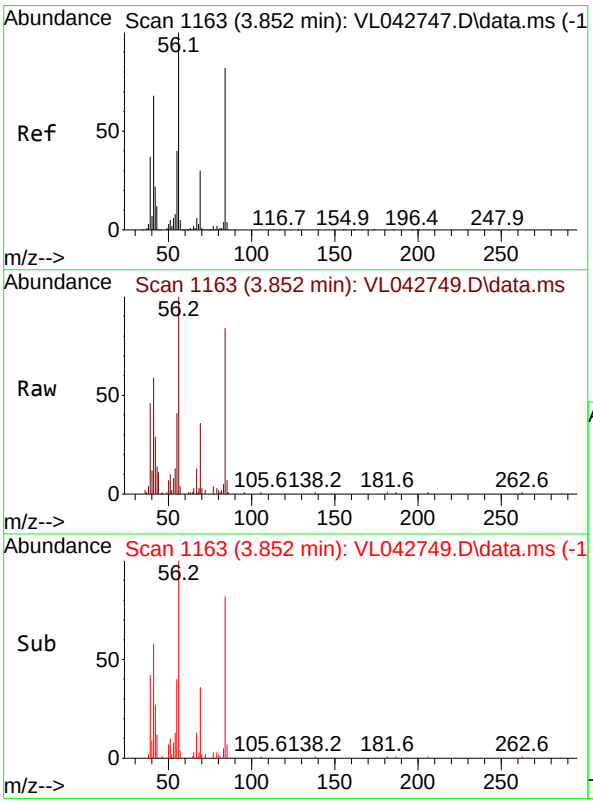
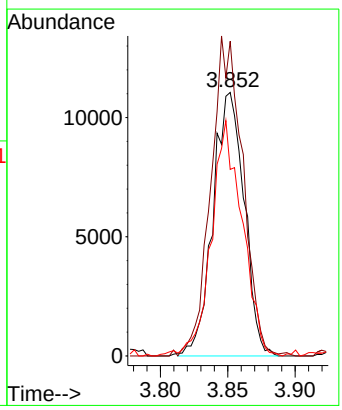
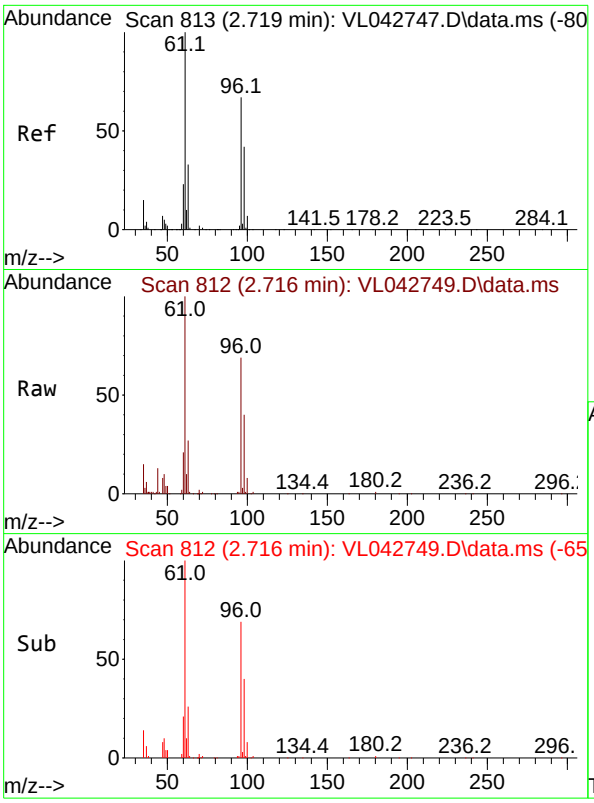


#30
Cyclohexane
Concen: 1.003 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 17824

Ion	Ratio	Lower	Upper
84	100		
56	124.3	97.5	146.3
41	88.5	67.2	100.8

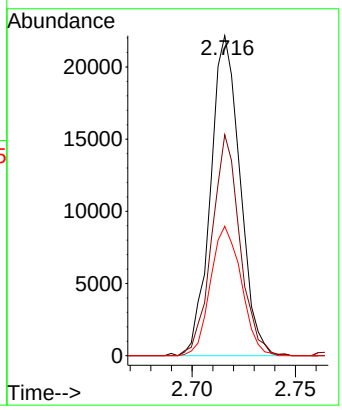




#31
cis-1,2-Dichloroethene
Concen: 1.021 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 61 Resp: 2197

Ion	Ratio	Lower	Upper
61	100		
96	69.0	53.5	80.3
98	40.5	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
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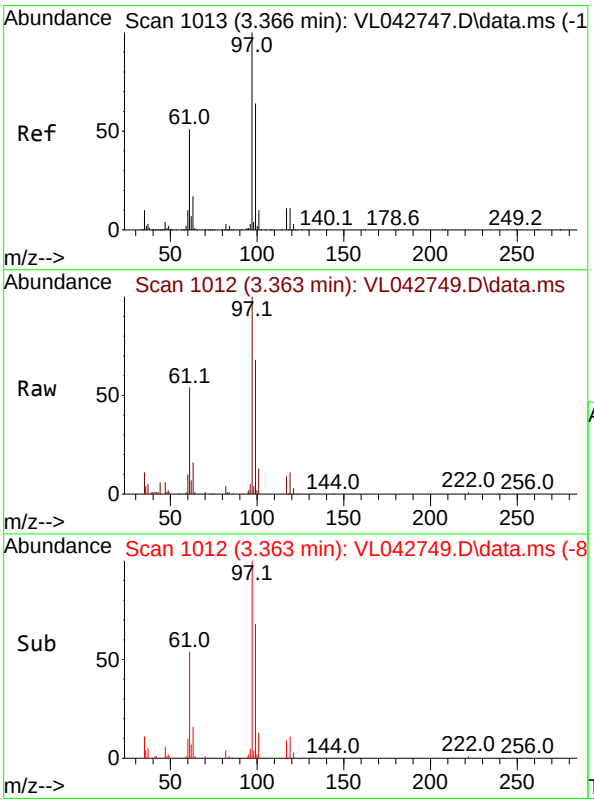
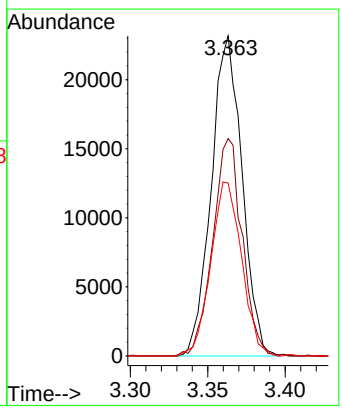
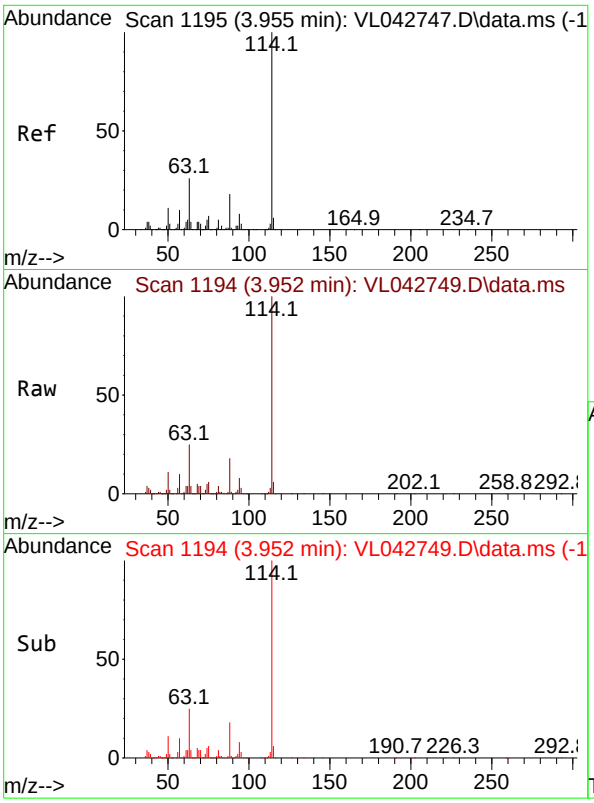


#32
1,1,1-Trichloroethane
Concen: 0.949 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	54.5	40.9	61.3

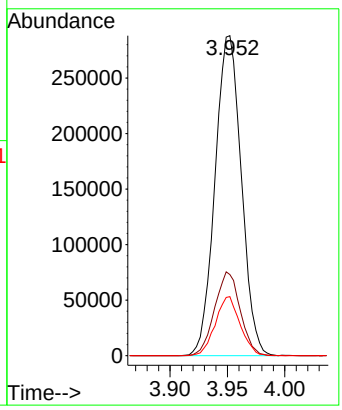




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:114 Resp: 45977

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.4	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
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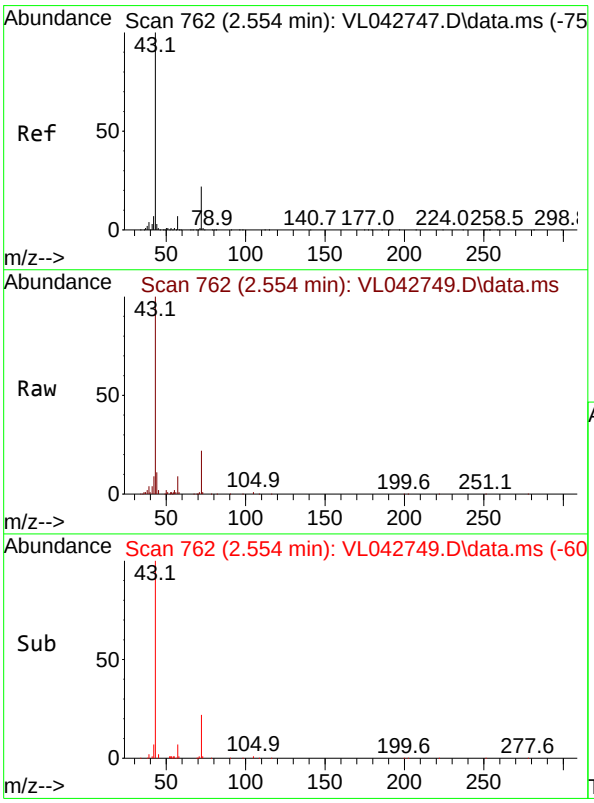
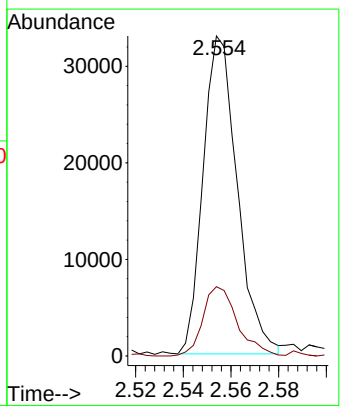
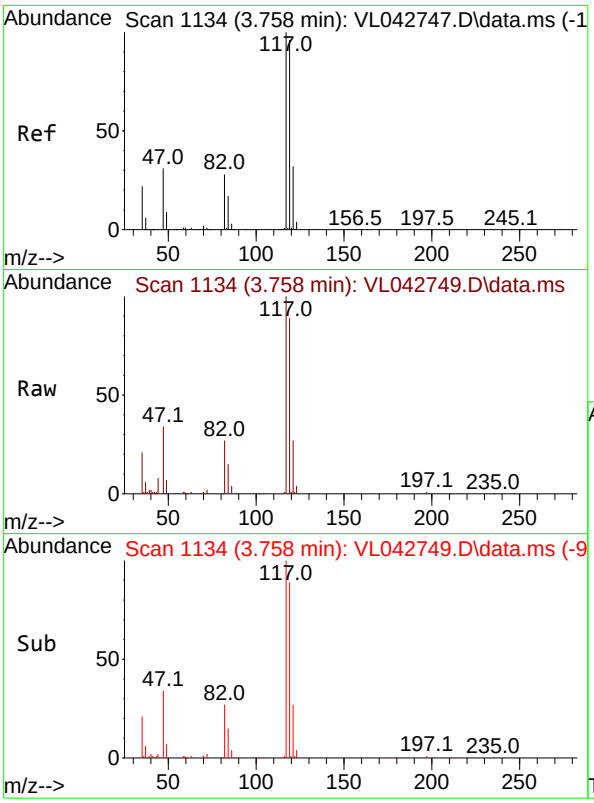


#34
2-Butanone
Concen: 1.007 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 32783

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.0

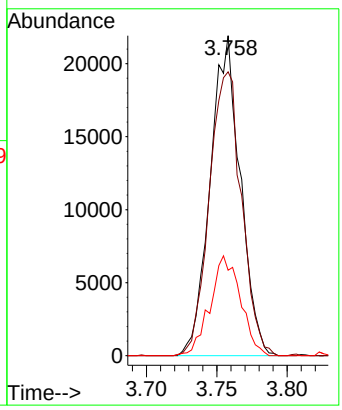




#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:117 Resp: 3261

Ion	Ratio	Lower	Upper
117	100		
119	88.7	77.1	115.7
121	26.7	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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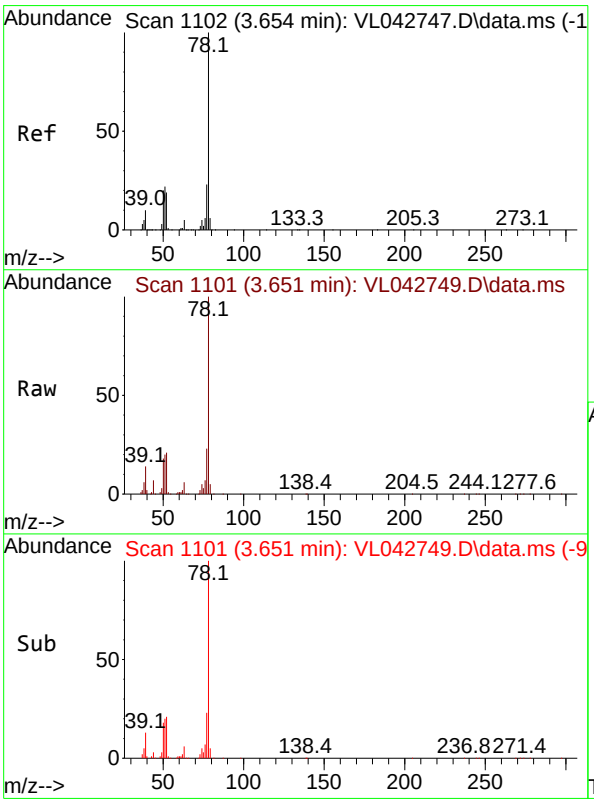
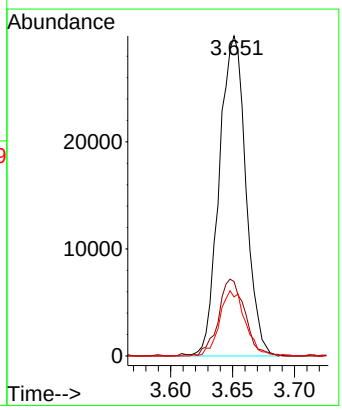
Supervised By :Mahesh Dadoda 07/24/2025

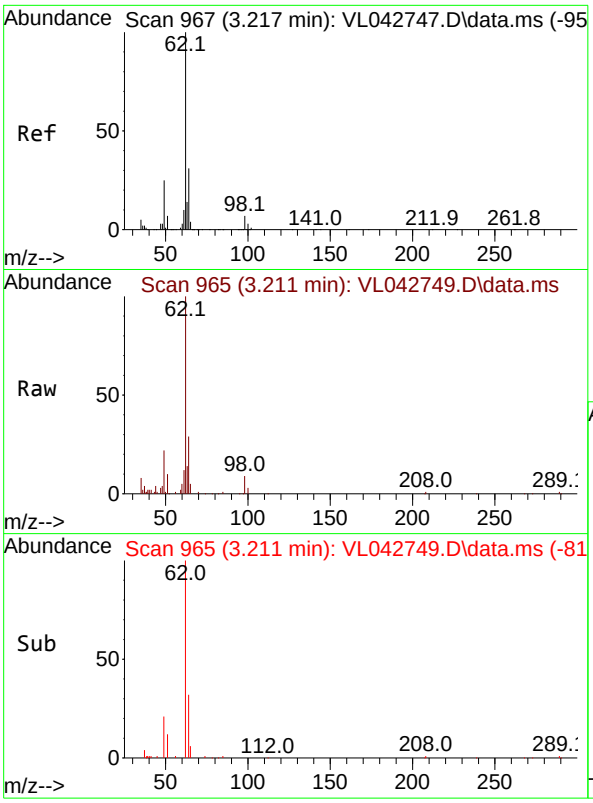


#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 78 Resp: 44638

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	18.4	16.2	24.2

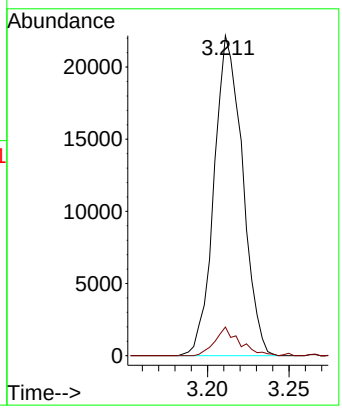




#37
1,2-Dichloroethane
Concen: 1.025 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 62 Resp: 2690

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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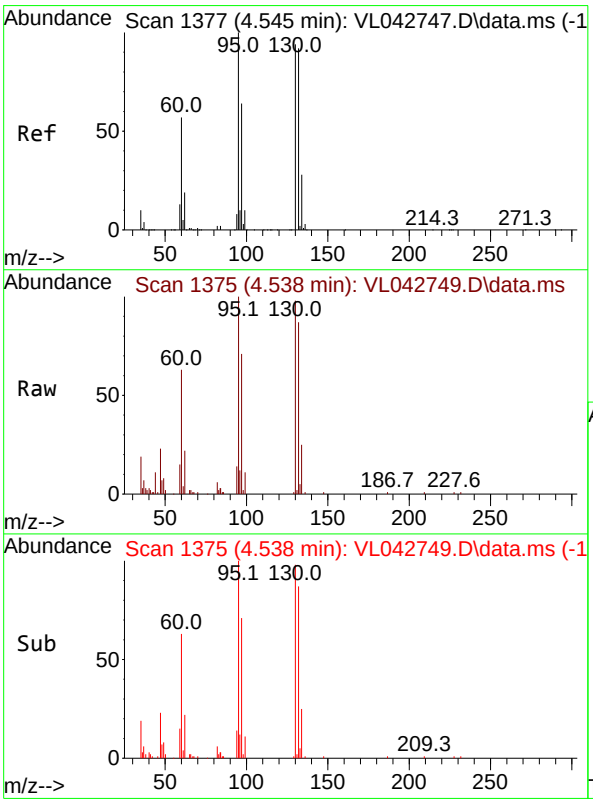
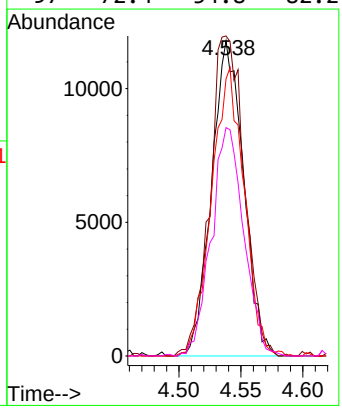
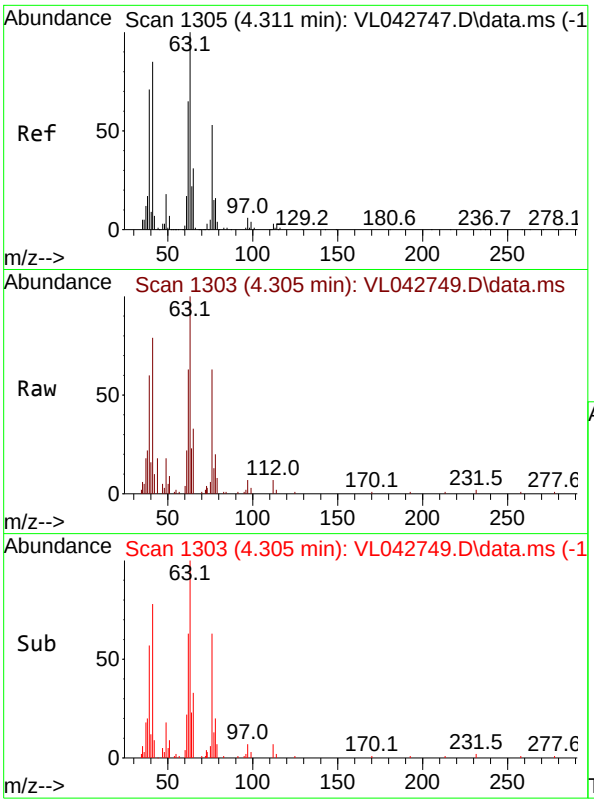


#38
Trichloroethene
Concen: 1.005 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122

Ion	Ratio	Lower	Upper
130	100		
95	101.6	85.4	128.2
132	87.5	78.2	117.2
97	72.4	54.8	82.2

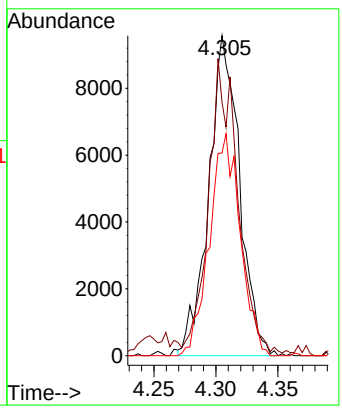




#39
1,2-Dichloropropane
Concen: 1.033 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 1662

Ion	Ratio	Lower	Upper
63	100		
41	77.8	68.2	102.4
62	63.3	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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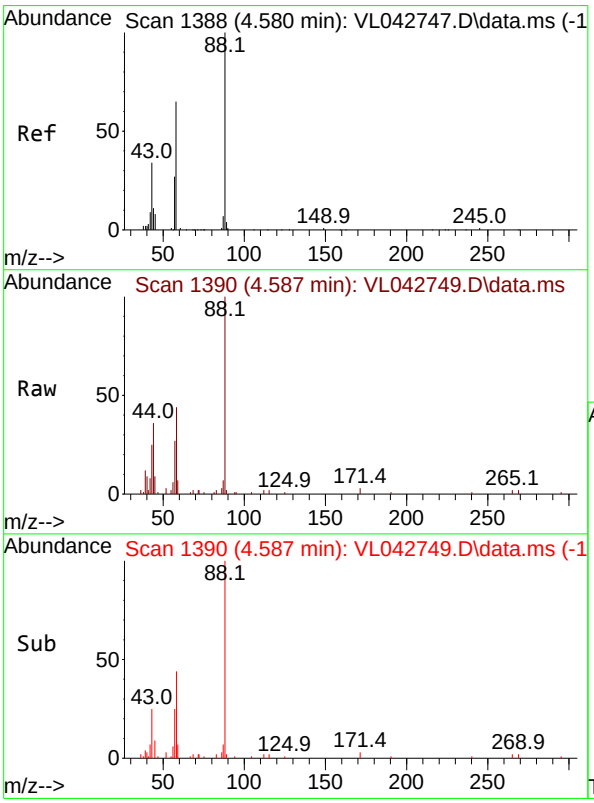
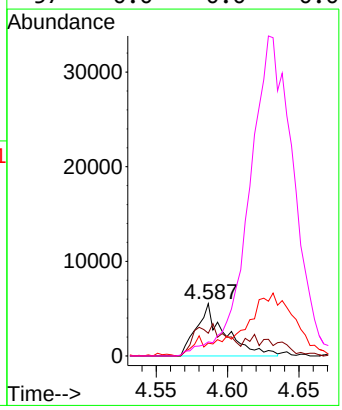
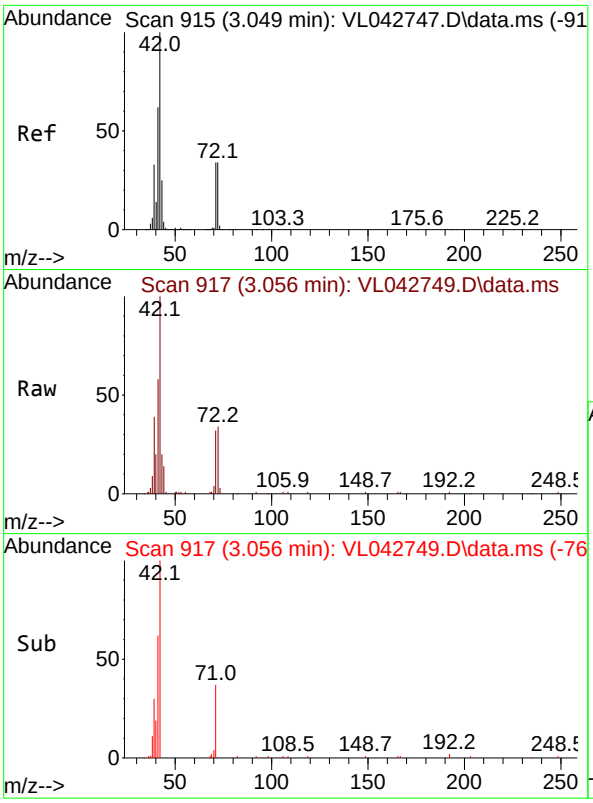


#40
1,4-Dioxane
Concen: 1.030 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 7811

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

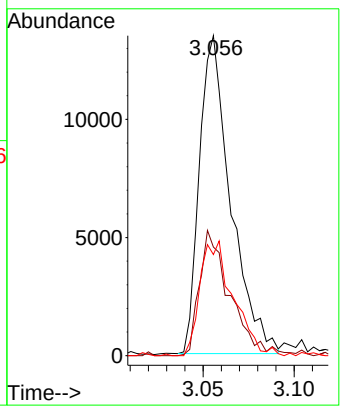




#41
Tetrahydrofuran
Concen: 0.984 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 42 Resp: 1609

Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.9	46.3
71	38.6	28.6	43.0



Instrument :
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ClientSampleId :
VSTDICC001

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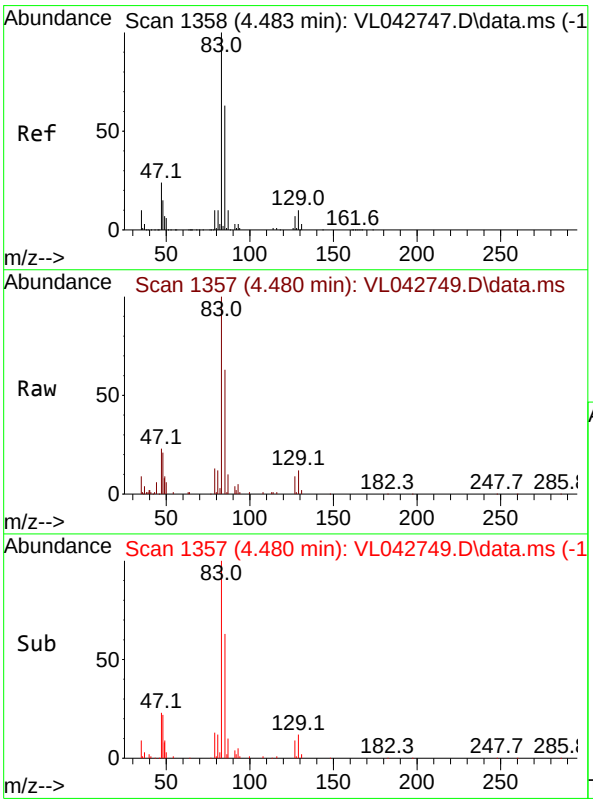
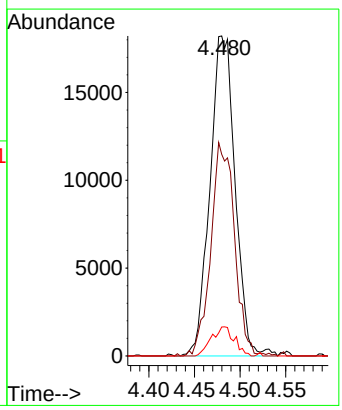
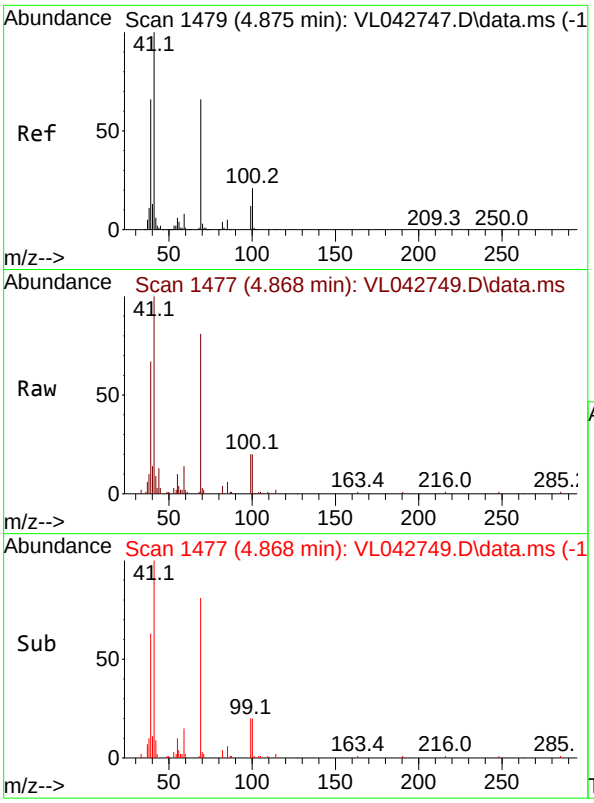


#42
Bromodichloromethane
Concen: 1.023 ppbv m
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 34995

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.4
127	9.1	5.4	8.2#

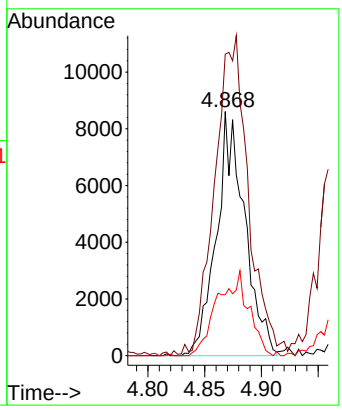




#43
Methyl Methacrylate
Concen: 0.961 ppbv m
RT: 4.868 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 69 Resp: 1488

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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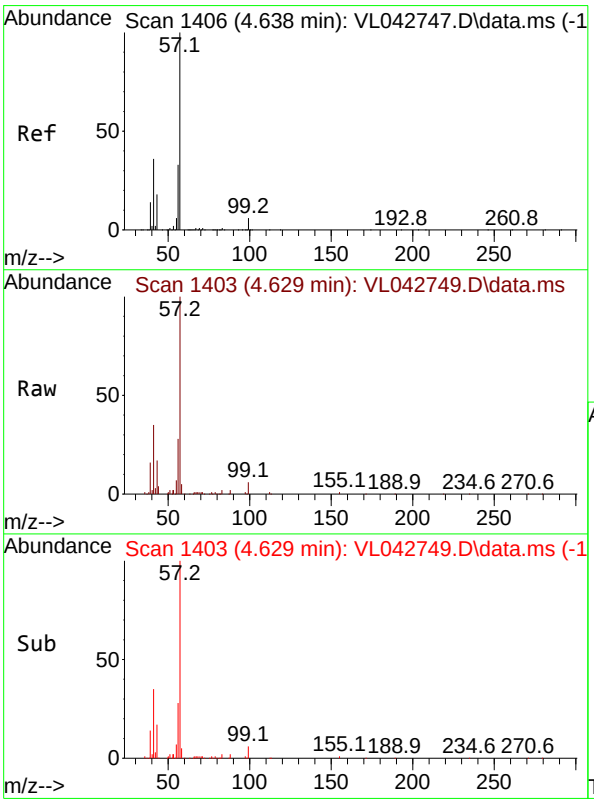
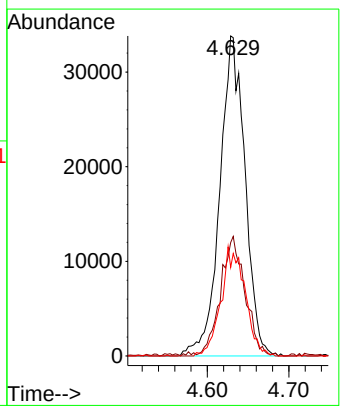
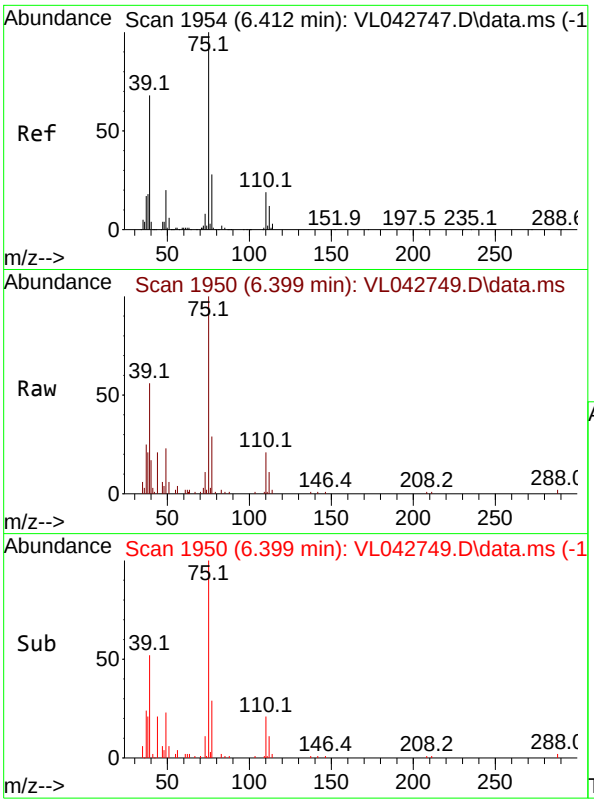


#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.5	25.8	38.6

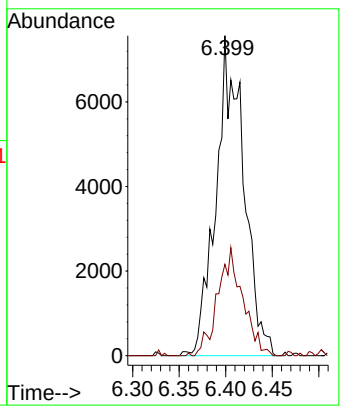




#45
t-1,3-Dichloropropene
Concen: 0.900 ppbv m
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 1564

Ion	Ratio	Lower	Upper
75	100		
77	28.5	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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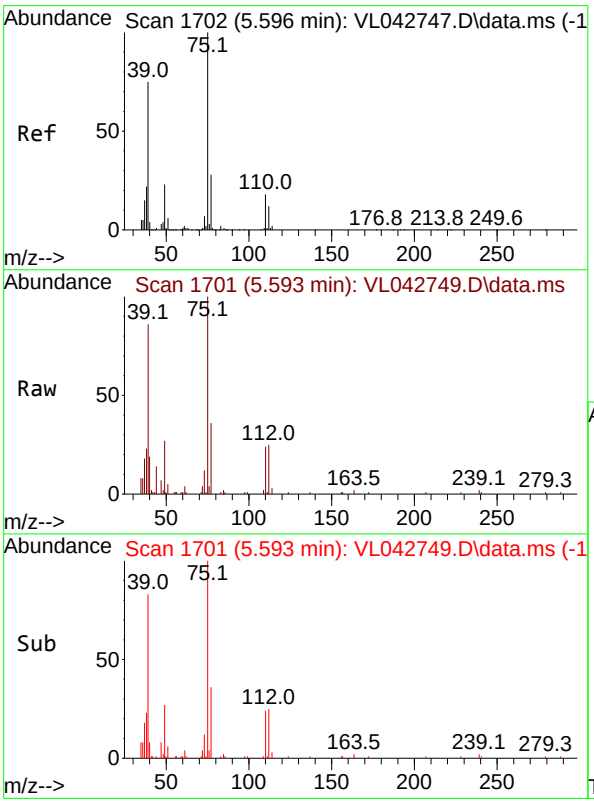
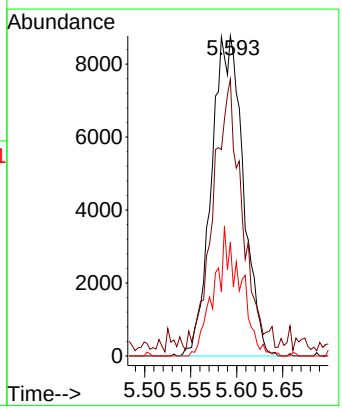
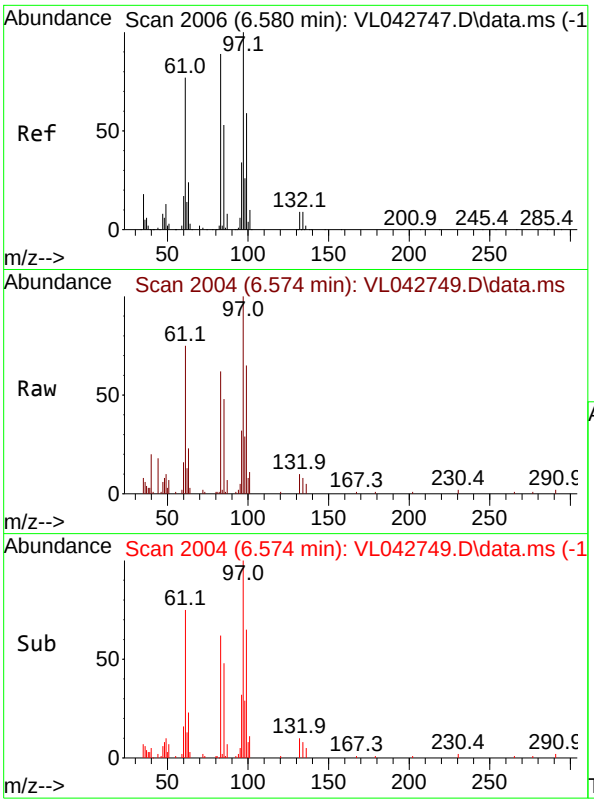


#46
cis-1,3-Dichloropropene
Concen: 0.958 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 21088

Ion	Ratio	Lower	Upper
75	100		
39	86.5	60.2	90.2
77	35.6	22.6	34.0#

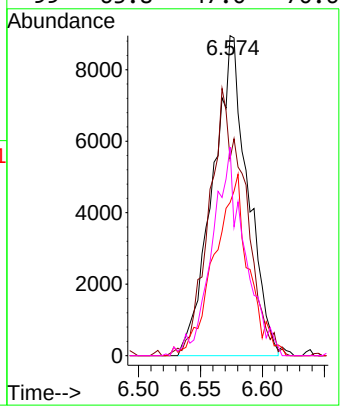




#47
1,1,2-Trichloroethane
Concen: 1.029 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 1764

Ion	Ratio	Lower	Upper
97	100		
83	60.2	71.1	106.7#
85	46.8	43.0	64.4
99	63.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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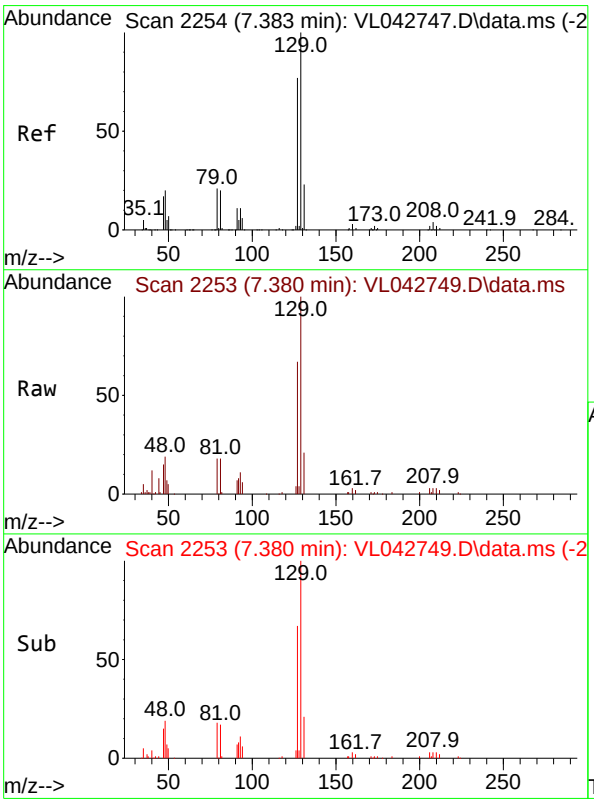
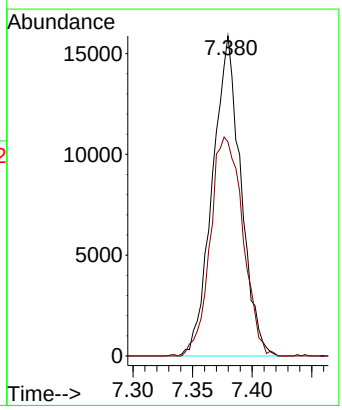
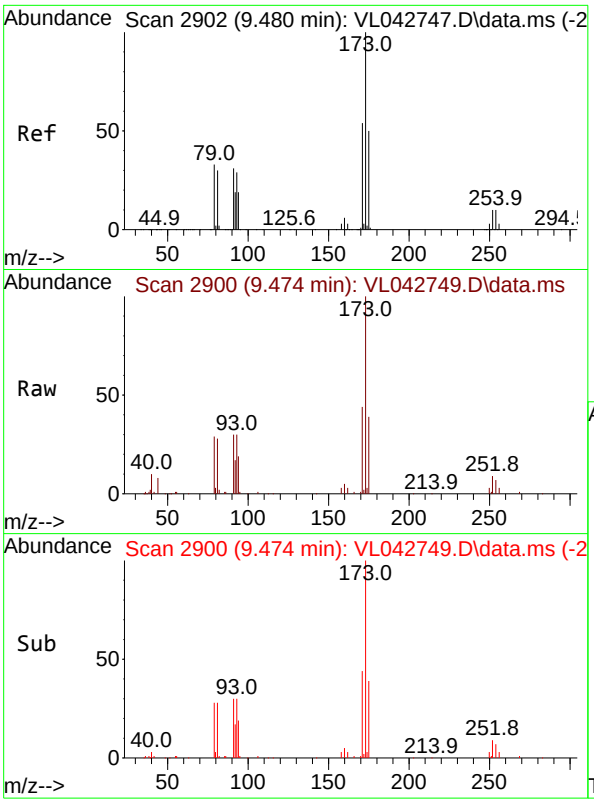


#48
Dibromochloromethane
Concen: 0.965 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:129 Resp: 26259

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.7	116.1

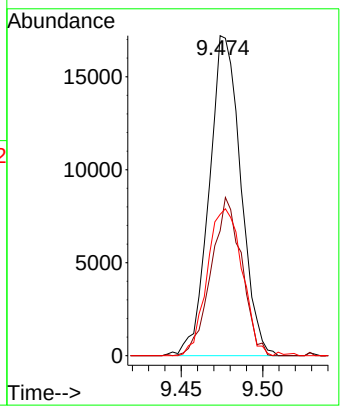




#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:173 Resp: 2308

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.3	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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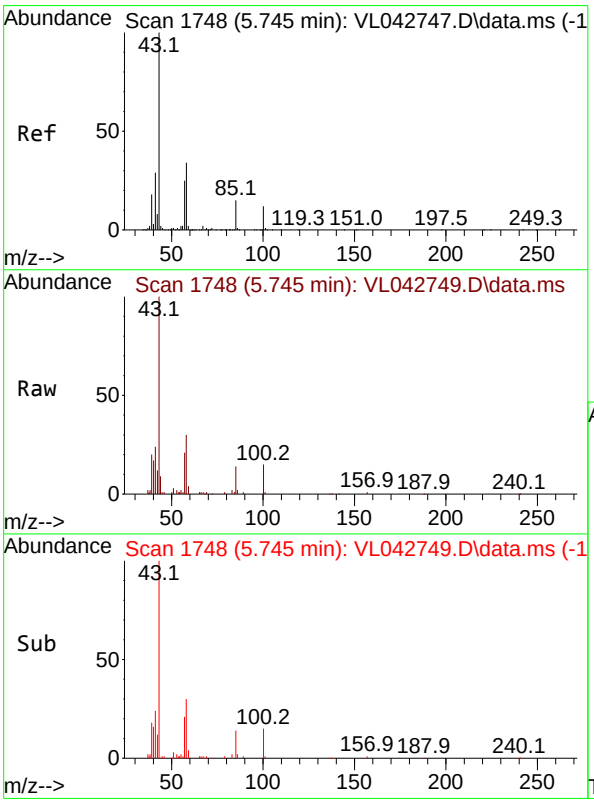
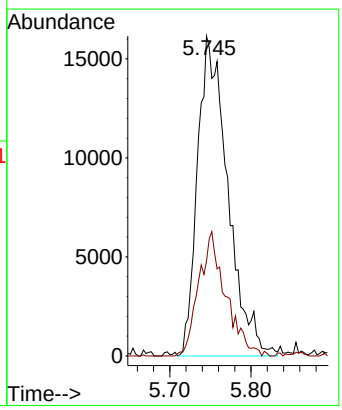
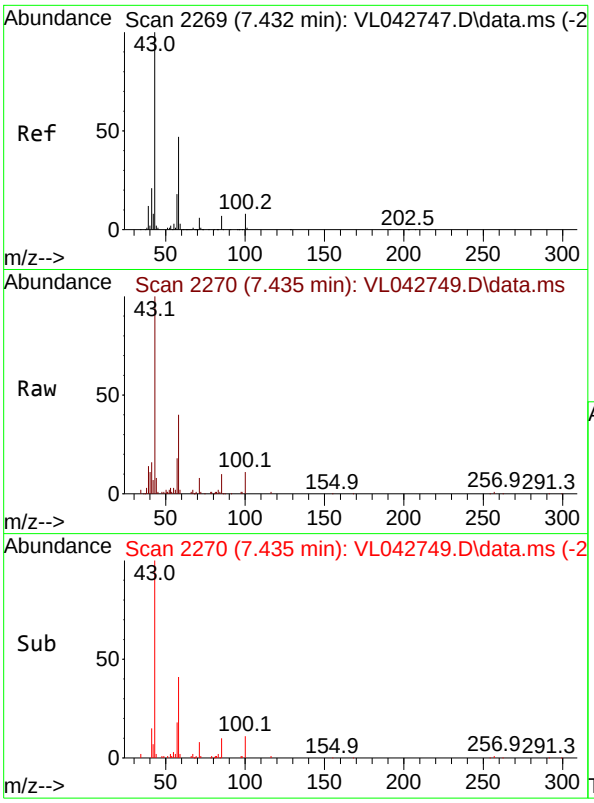


#50
4-Methyl-2-Pentanone
Concen: 1.006 ppbv m
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 41715

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#





#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2976

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	1.6	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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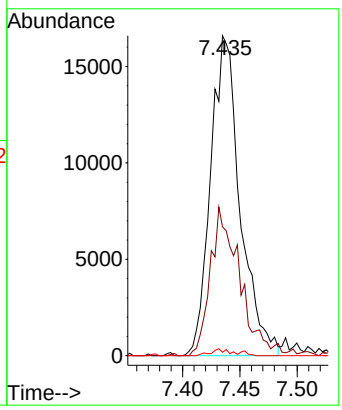
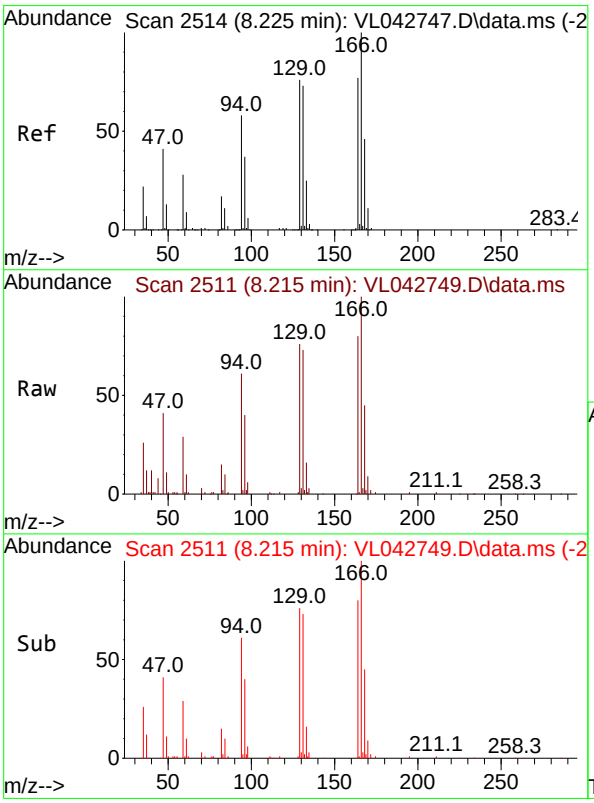
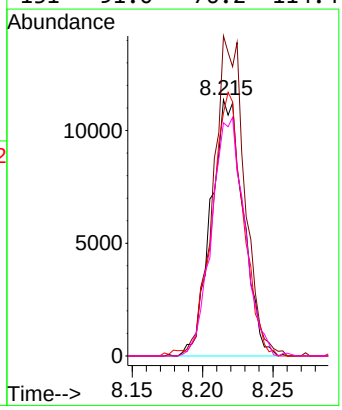


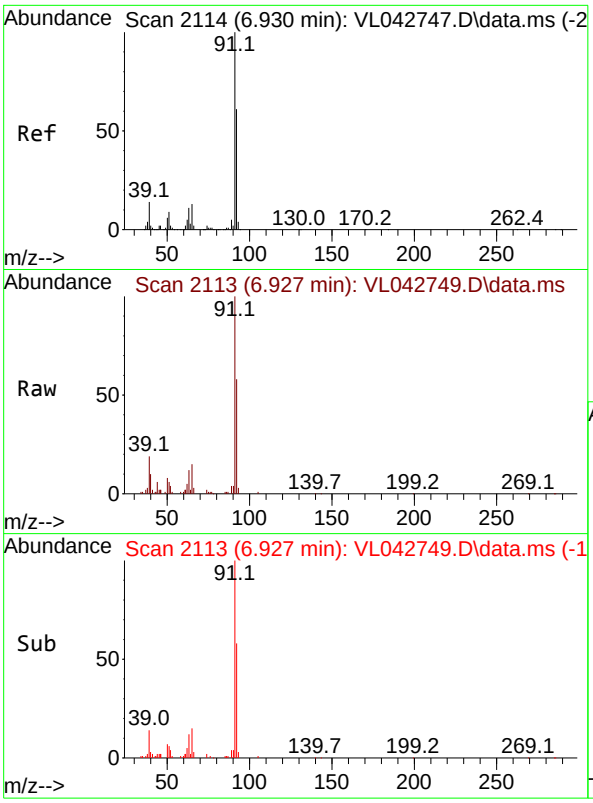


#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:164 Resp: 18131

Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	94.8	79.2	118.8
131	91.0	76.2	114.4

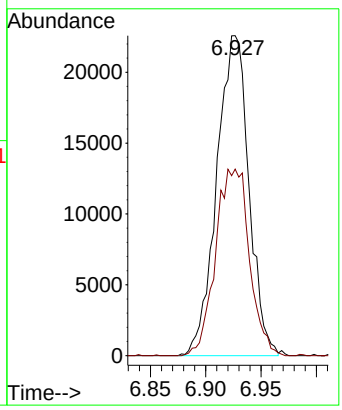




#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4564

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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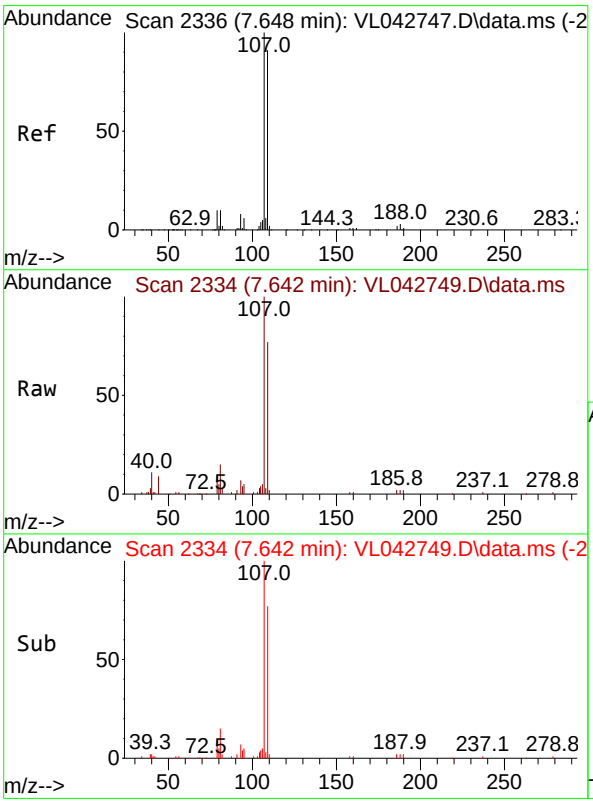
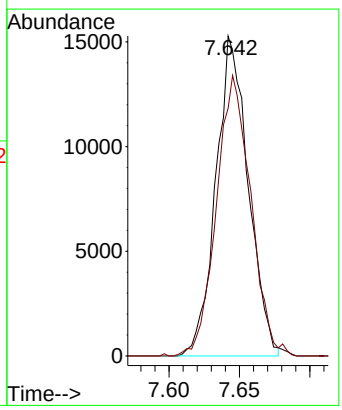
Supervised By :Mahesh Dadoda 07/24/2025

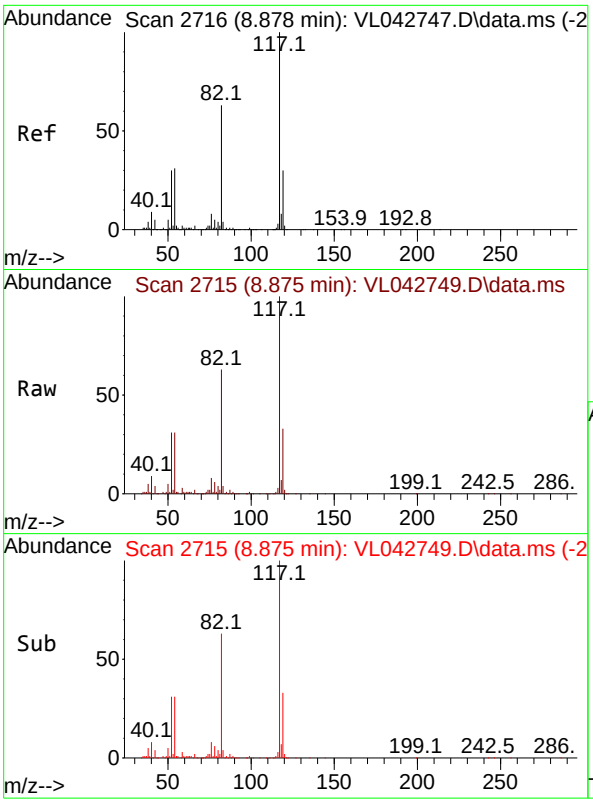


#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 24427

Ion	Ratio	Lower	Upper
107	100		
109	76.9	72.7	109.1

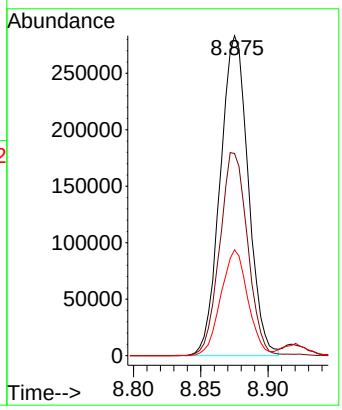




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:117 Resp: 41001

Ion	Ratio	Lower	Upper
117	100		
82	63.5	53.3	79.9
119	32.0	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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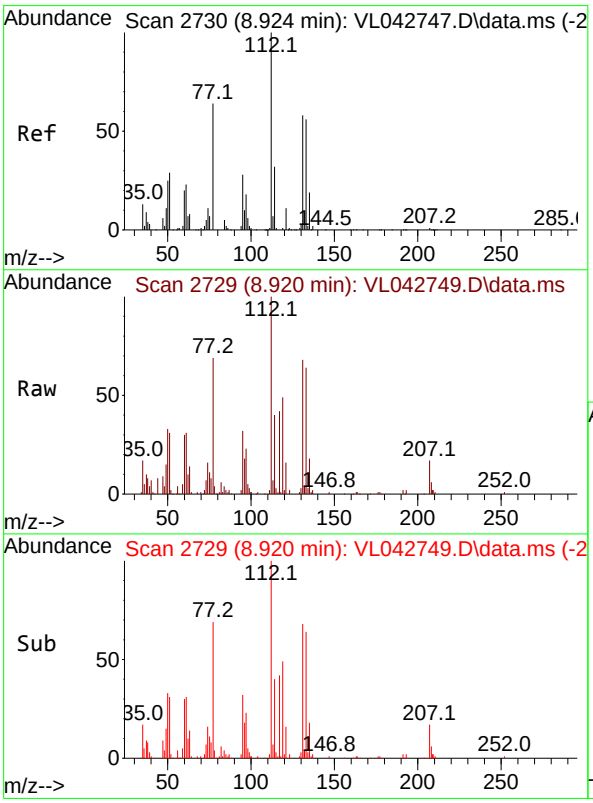
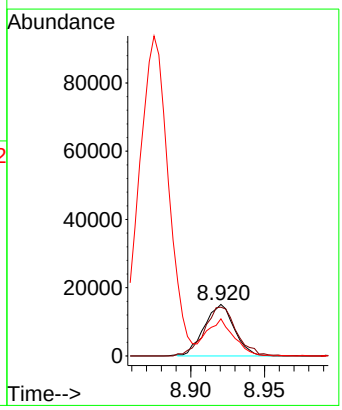
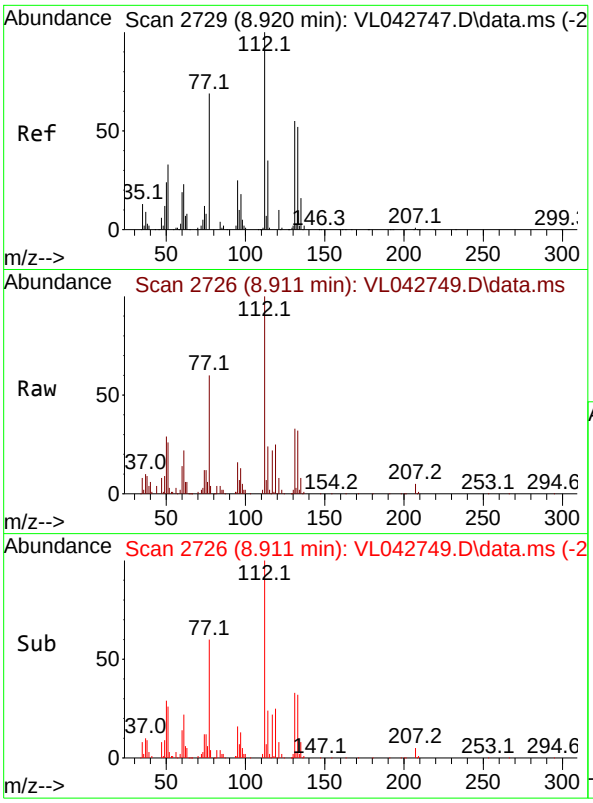


#56
1,1,1,2-Tetrachloroethane
Concen: 1.000 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:131 Resp: 21319

Ion	Ratio	Lower	Upper
131	100		
133	102.0	76.8	115.2
119	58.6	49.7	74.5

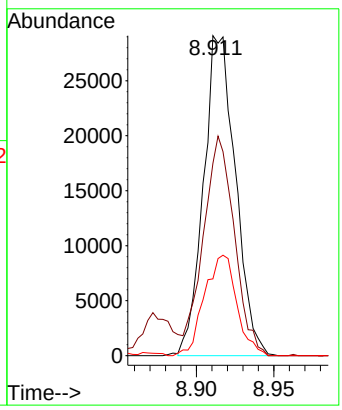




#57
Chlorobenzene
Concen: 1.053 ppbv
RT: 8.911 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:112 Resp: 4178

Ion	Ratio	Lower	Upper
112	100		
77	60.1	56.4	84.6
114	24.0	31.2	38.2



Instrument :
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ClientSampleId :
VSTDICC001

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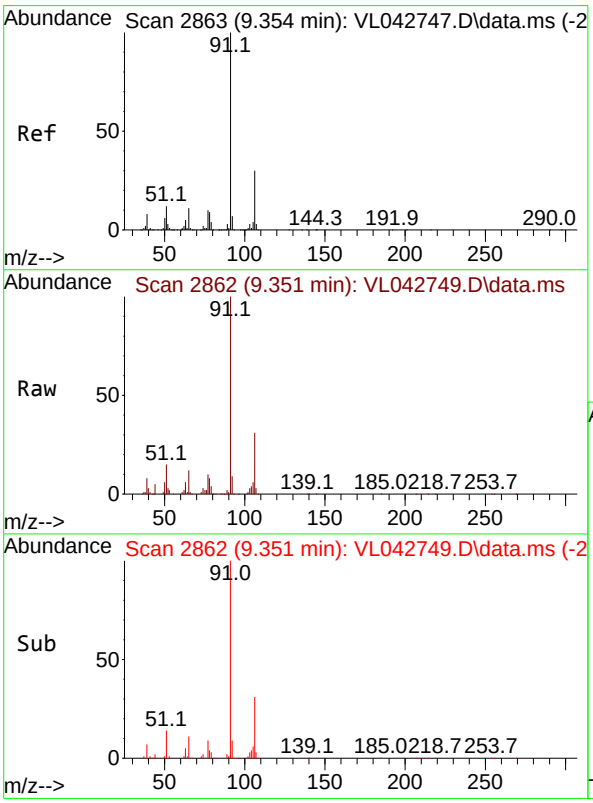
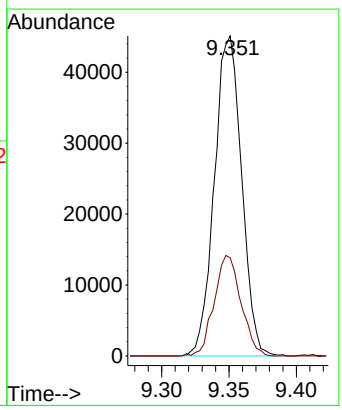
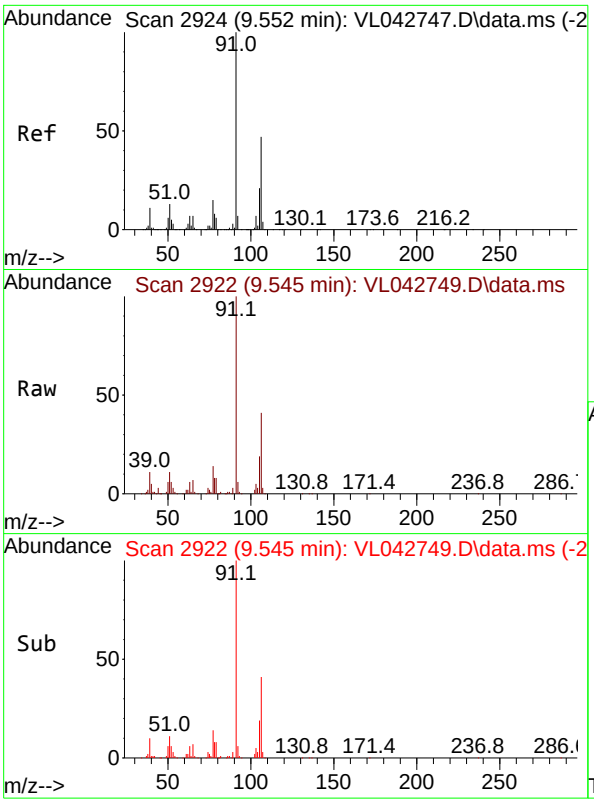


#58
Ethyl Benzene
Concen: 0.980 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 63467

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6

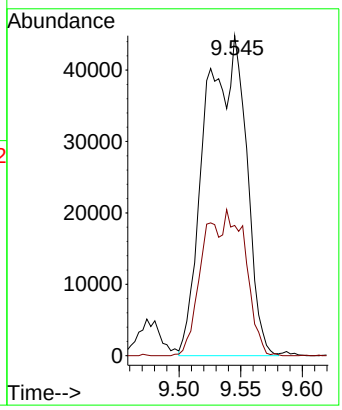




#59
m/p-Xylene
Concen: 2.020 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 10454

Ion	Ratio	Lower	Upper
91	100		
106	46.9	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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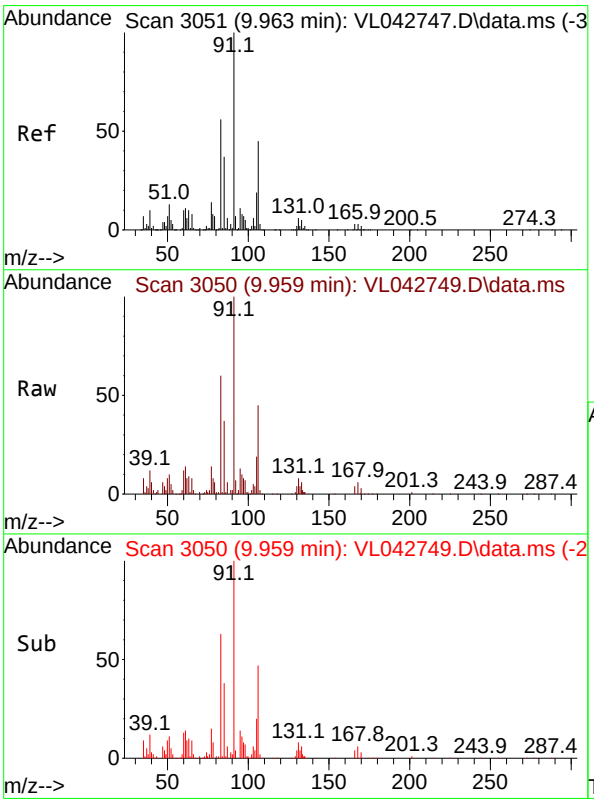
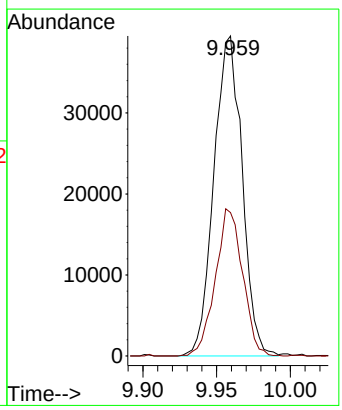
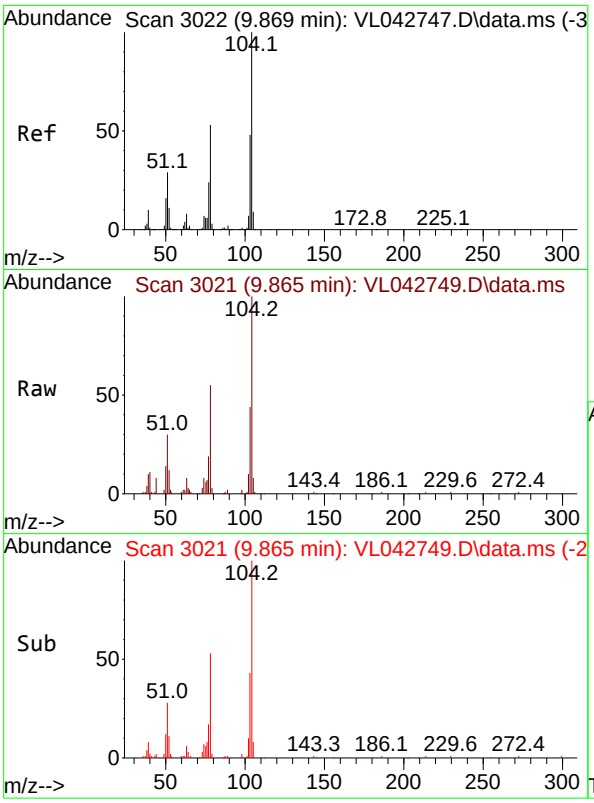


#60
o-Xylene
Concen: 1.015 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 52499

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.0	66.0

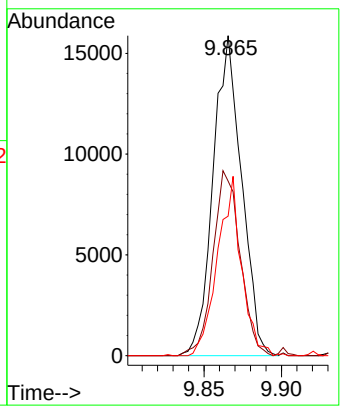




#61
Styrene
Concen: 0.934 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:104 Resp: 2031

Ion	Ratio	Lower	Upper
104	100		
78	55.7	41.5	62.3
103	47.2	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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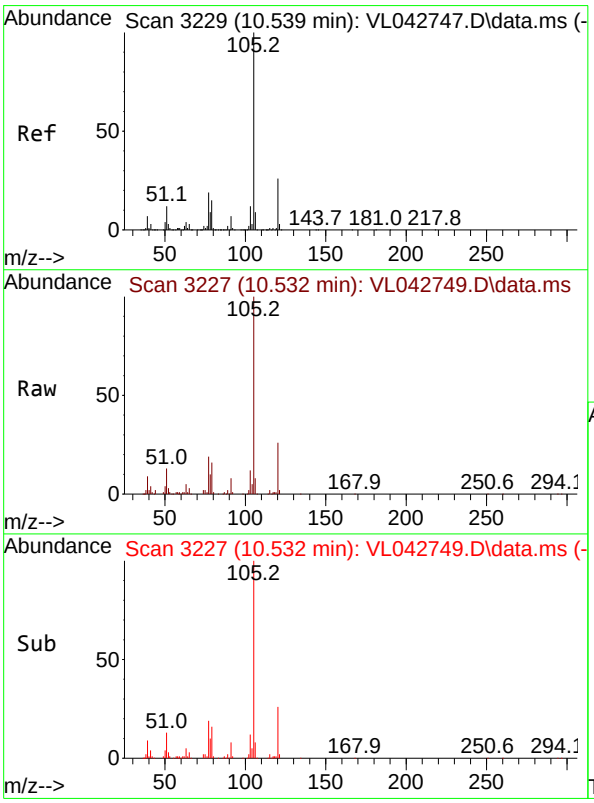
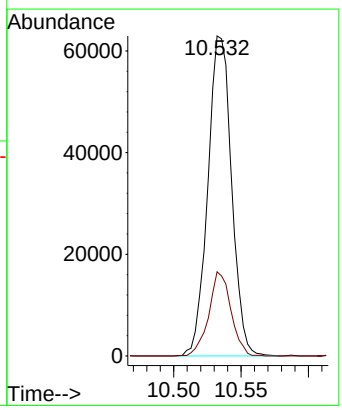
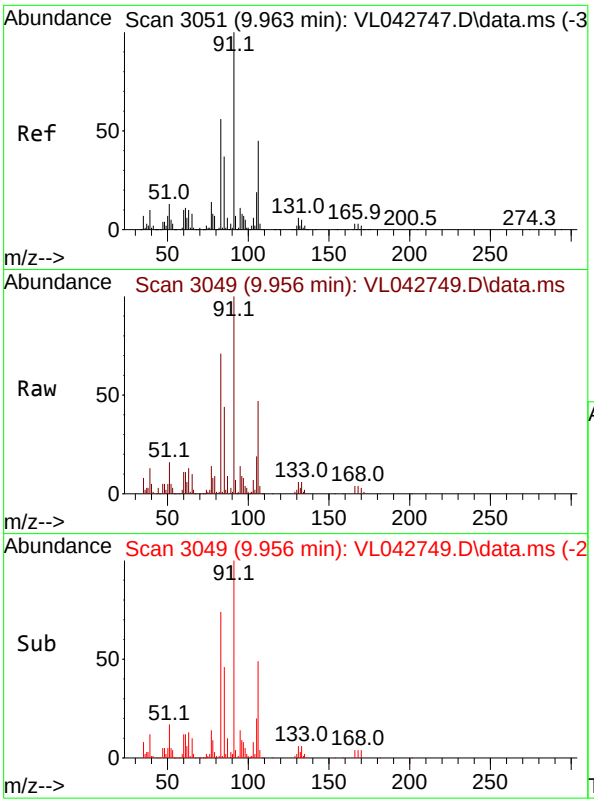


#62
Isopropylbenzene
Concen: 1.013 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 77278

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.5	30.7

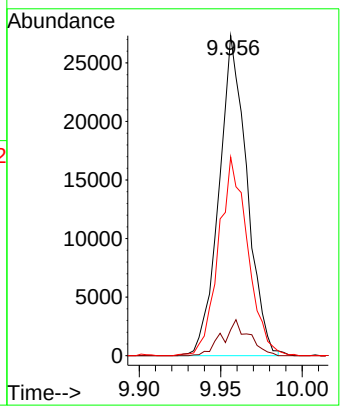




#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 3259

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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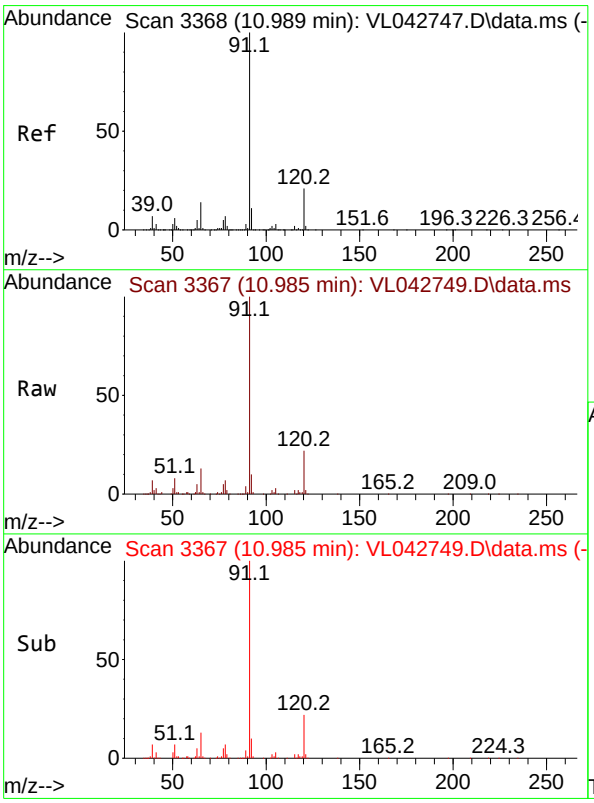
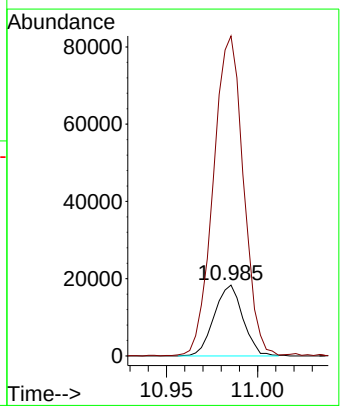
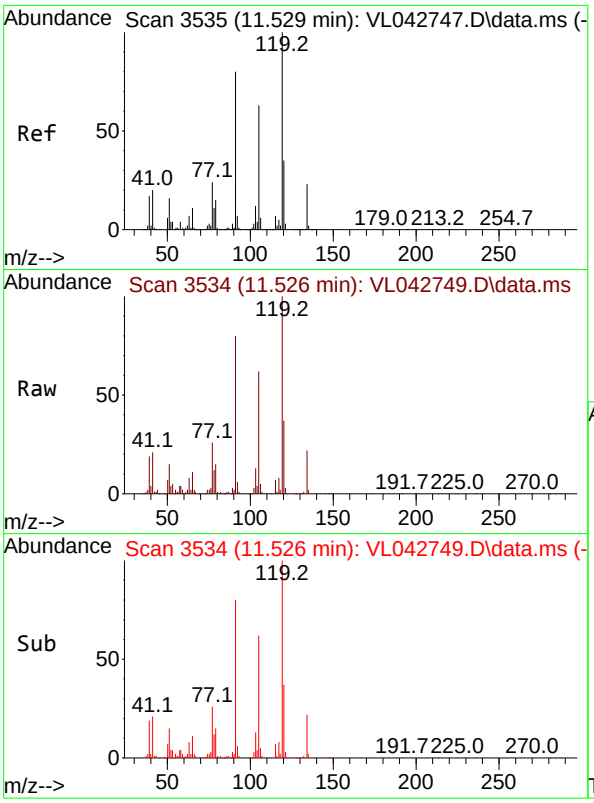


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:120 Resp: 20073

Ion	Ratio	Lower	Upper
120	100		
91	478.1	372.7	559.1

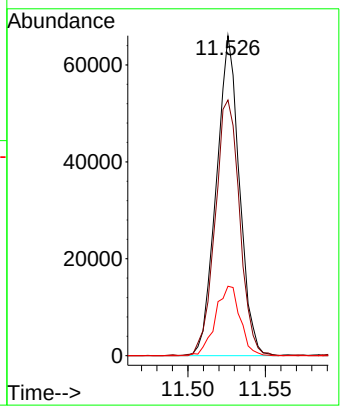




#65
tert-Butylbenzene
Concen: 1.010 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:119 Resp: 6842

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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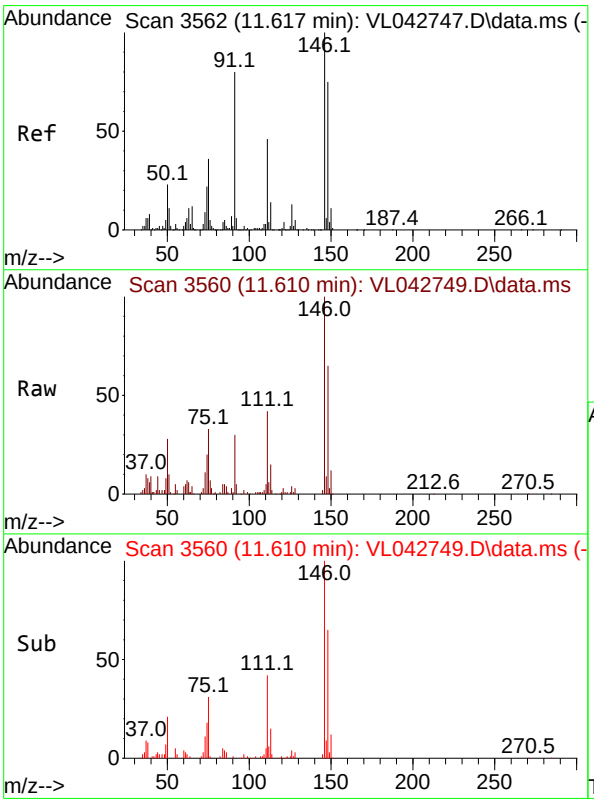
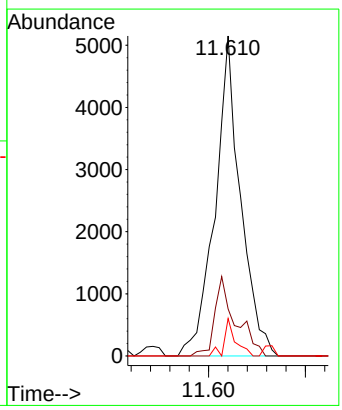
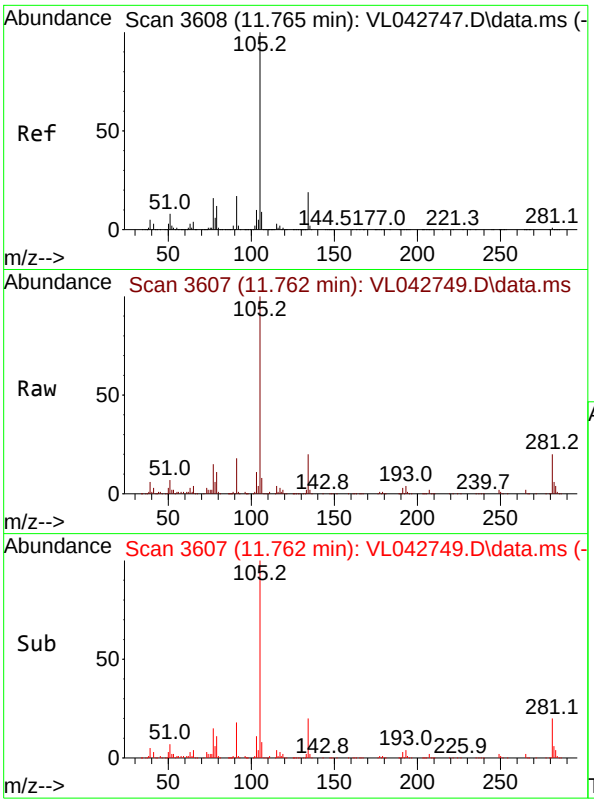


#66
Benzyl Chloride
Concen: 0.845 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4700

Ion	Ratio	Lower	Upper
91	100		
126	20.3	14.4	21.6
128	6.5	5.2	7.8

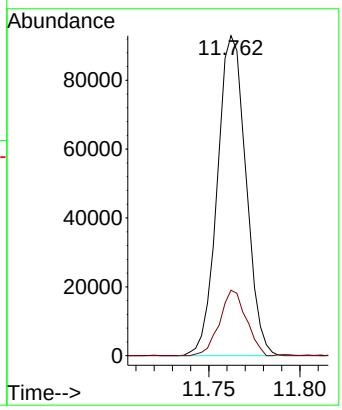




#67
sec-Butylbenzene
Concen: 1.053 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 10145

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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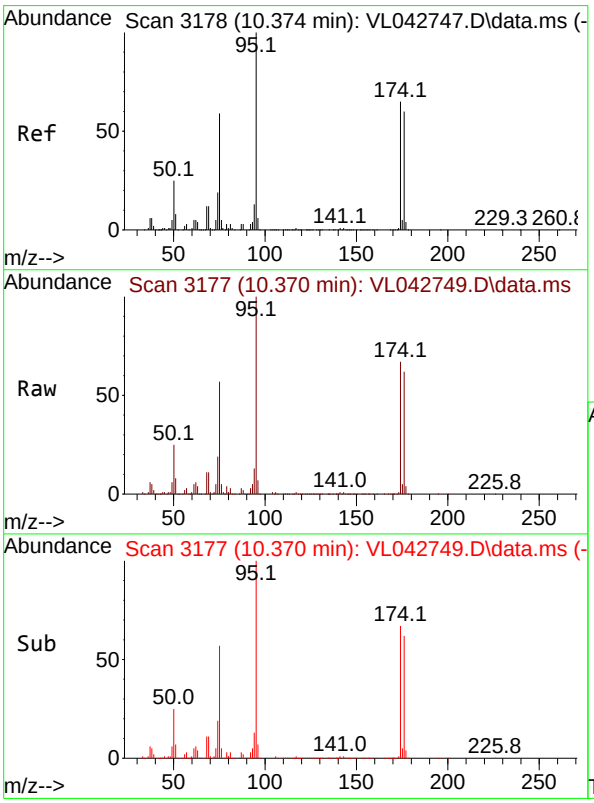
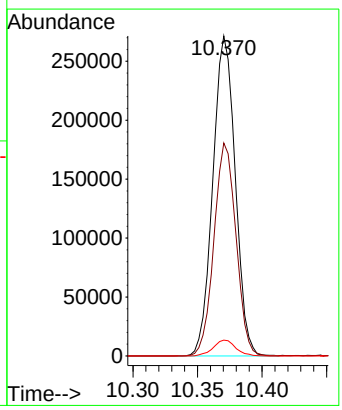
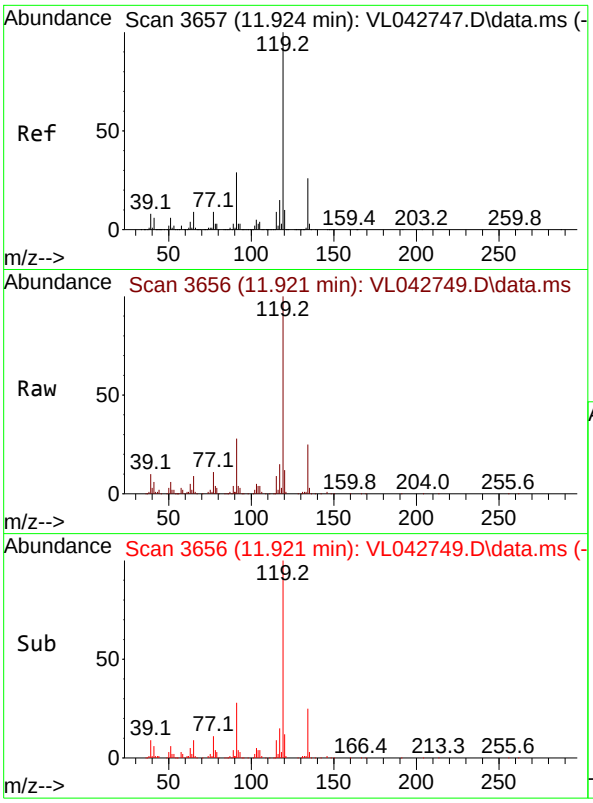


#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.0	4.0	6.0

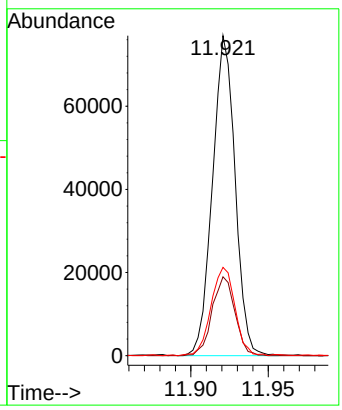




#69
p-Isopropyltoluene
Concen: 0.995 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:119 Resp: 7818

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.6	31.0
91	29.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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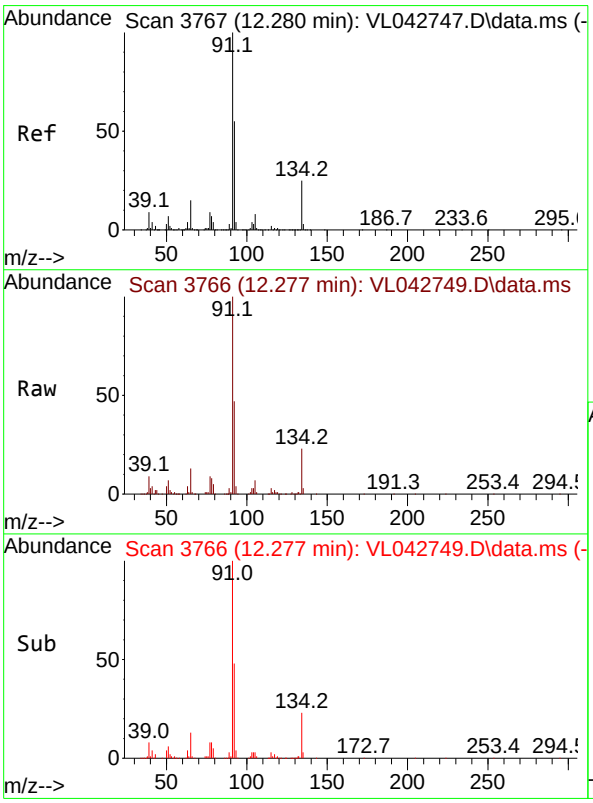
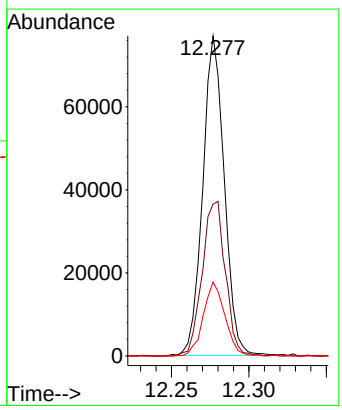
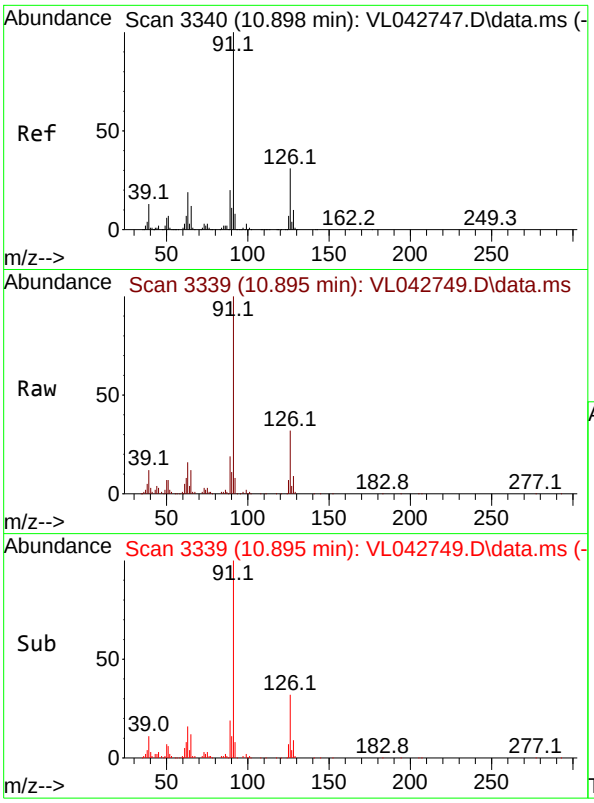


#70
n-Butylbenzene
Concen: 0.978 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 74257

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.4	65.2
134	23.4	19.6	29.4





#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

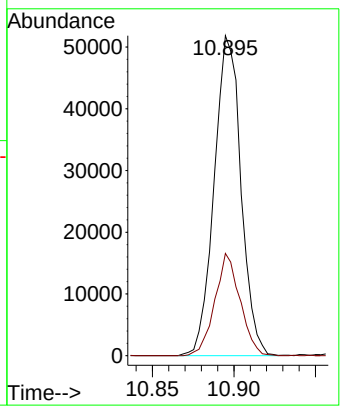
Tgt Ion: 91 Resp: 5919

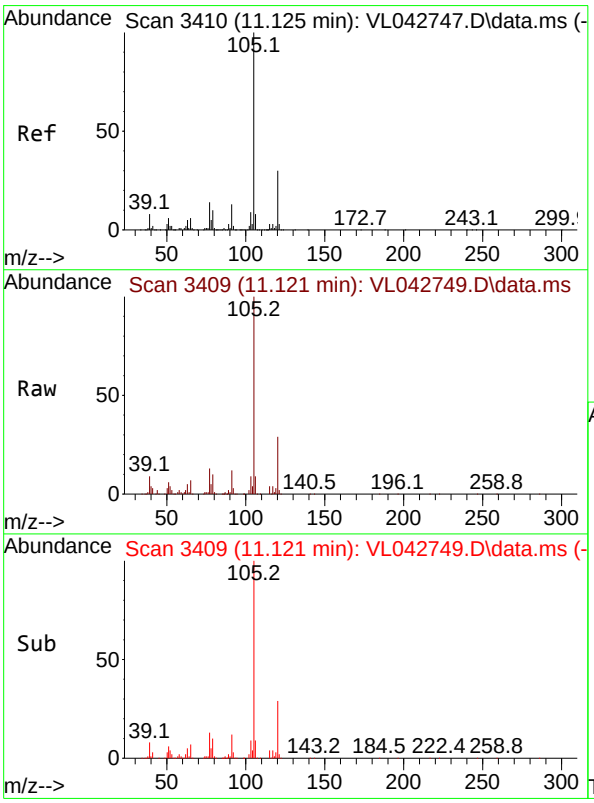
Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

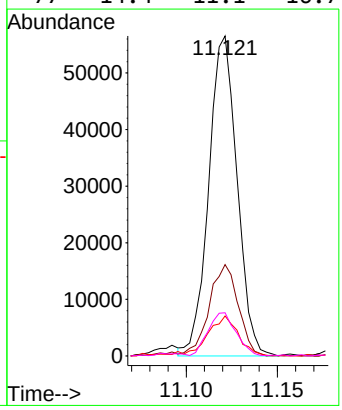


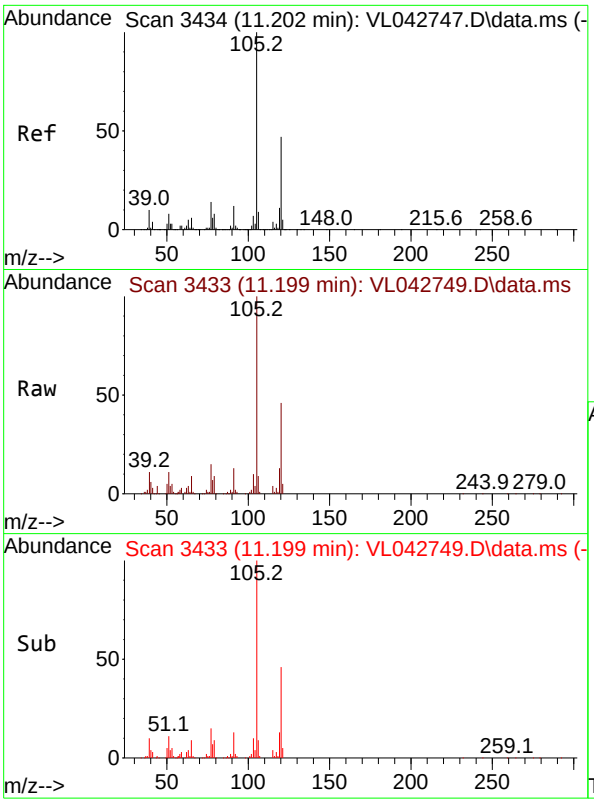


#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 61199

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	14.2	10.6	15.8
77	14.4	11.1	16.7

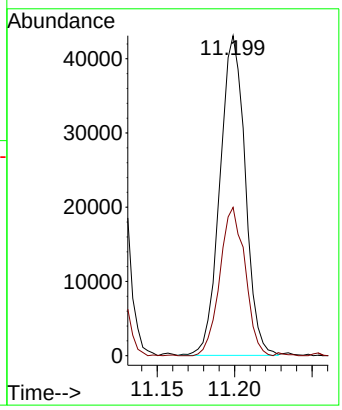




#73
1,3,5-Trimethylbenzene
Concen: 0.962 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 4890

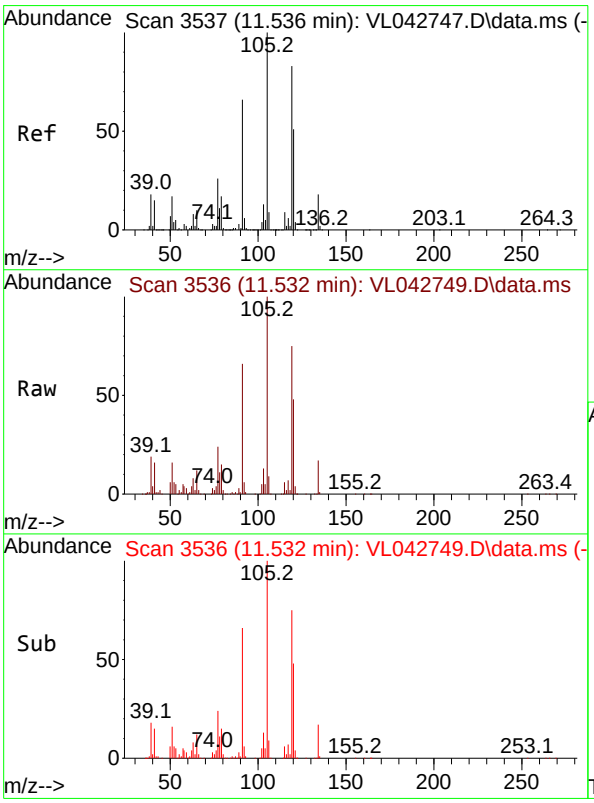
Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

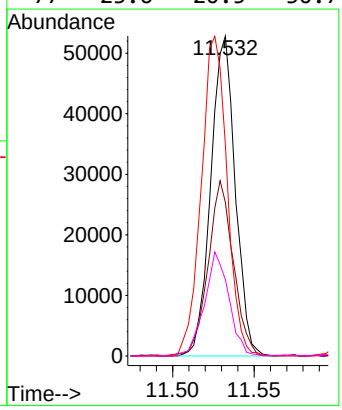
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

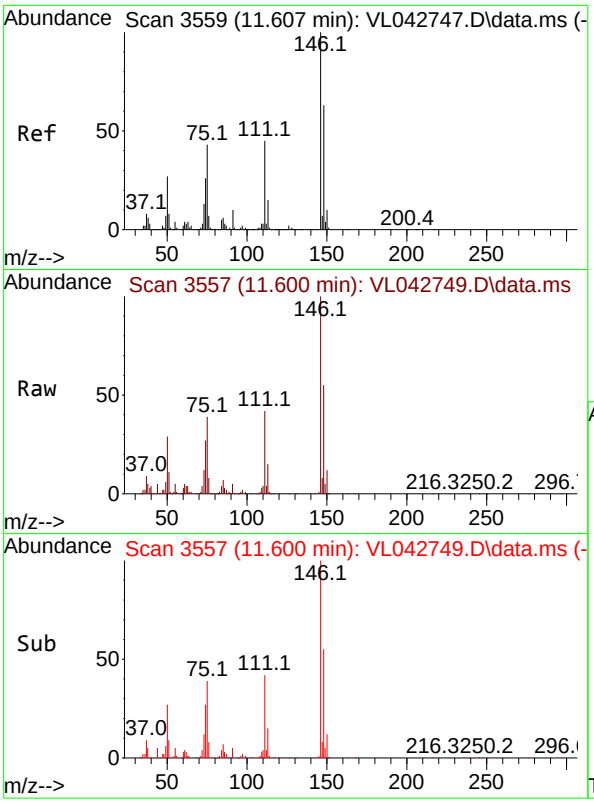


#74
1,2,4-Trimethylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153

Ion	Ratio	Lower	Upper
105	100		
120	48.0	40.8	61.2
91	65.8	53.0	79.4
77	23.6	20.5	30.7

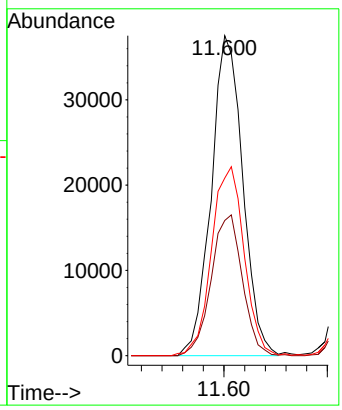




#75
1,3-Dichlorobenzene
Concen: 1.022 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 3975

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.7	68.0
148	61.0	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
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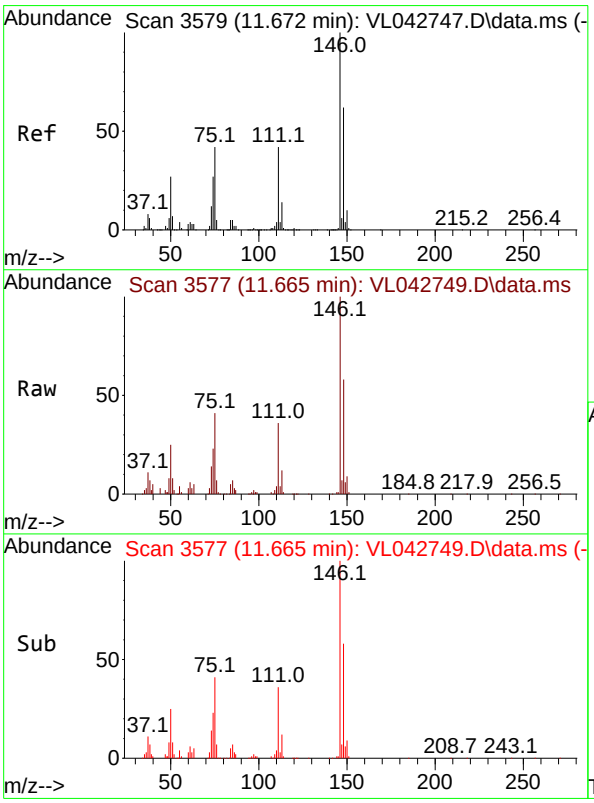
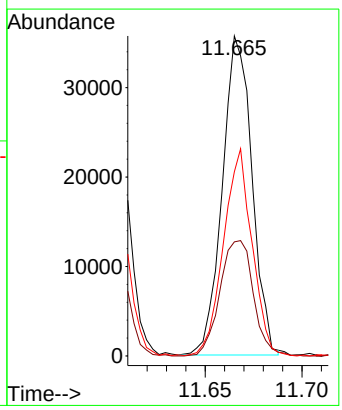
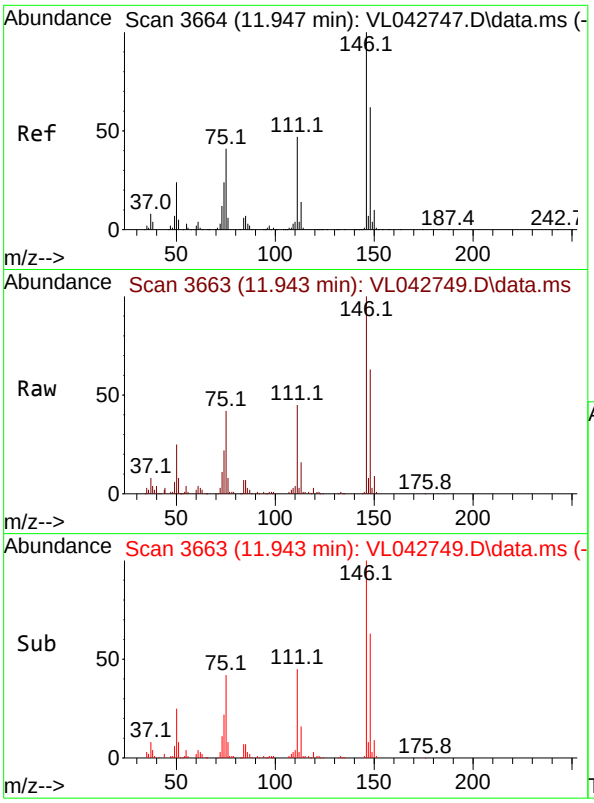


#76
1,4-Dichlorobenzene
Concen: 0.999 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 38018

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	63.1	32.1	96.3

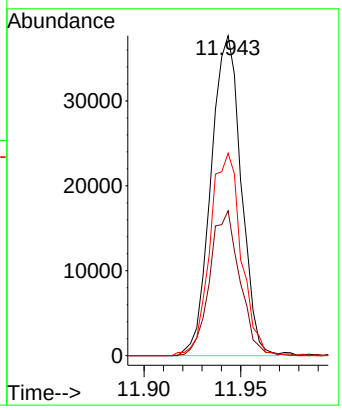




#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 4083

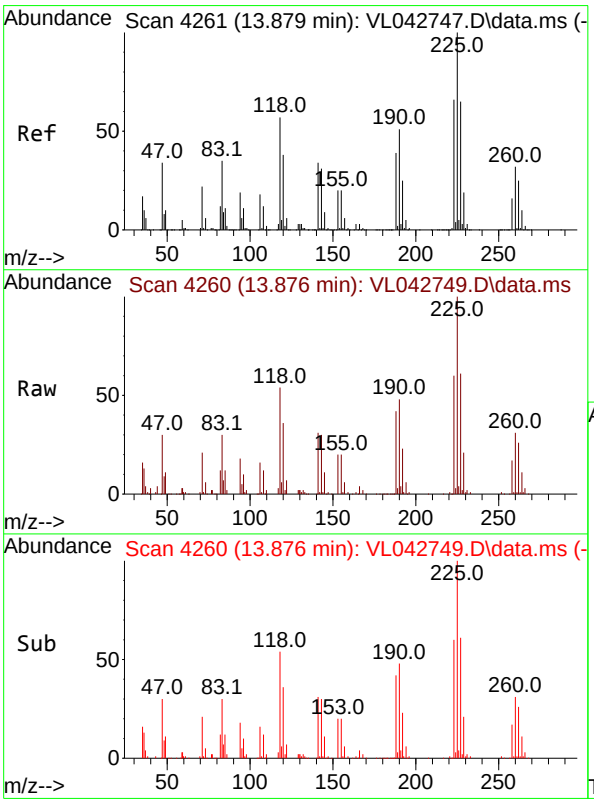
Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.7	71.1
148	65.5	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

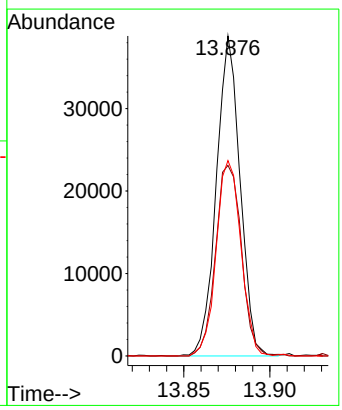
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

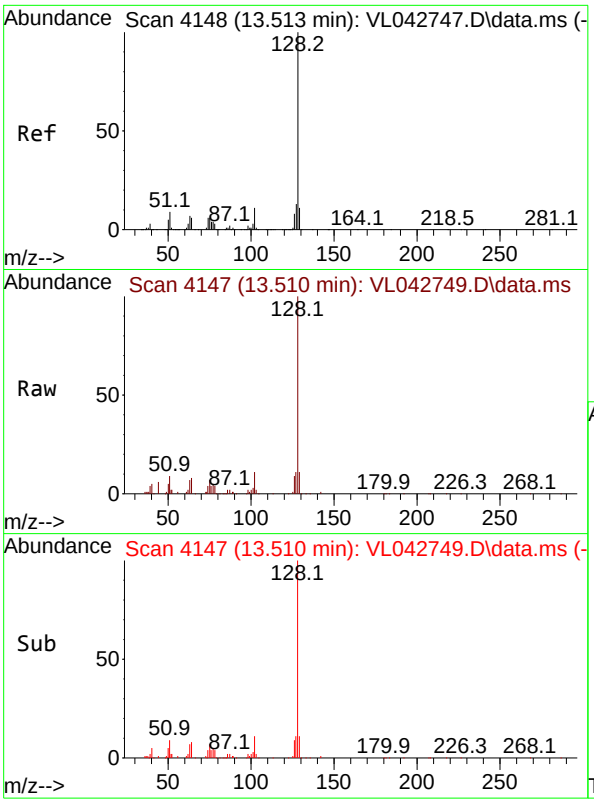


#78
Hexachloro-1,3-Butadiene
Concen: 1.076 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.7	76.1
227	63.9	50.5	75.7

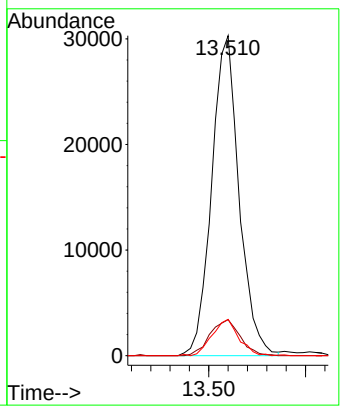




#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:128 Resp: 2979

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.5	15.7
129	11.4	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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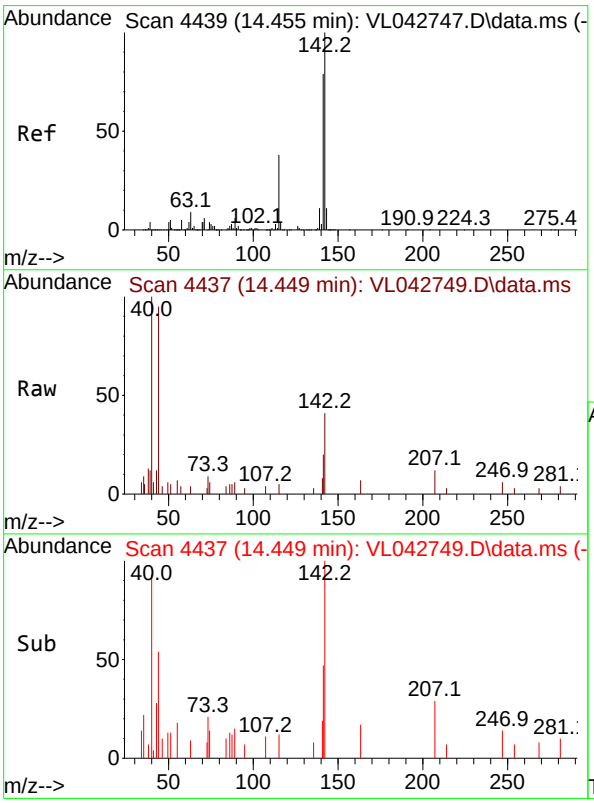
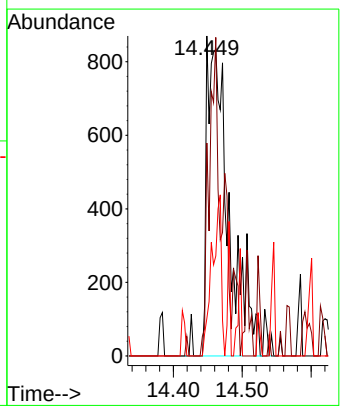
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

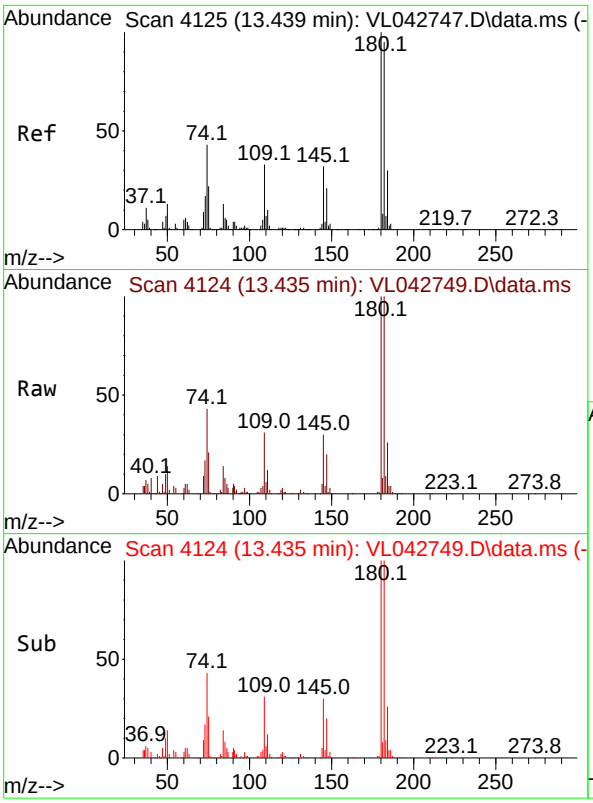


#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:142 Resp: 1950

Ion	Ratio	Lower	Upper
142	100		
141	63.5	65.8	98.8#
115	25.1	31.2	46.8#

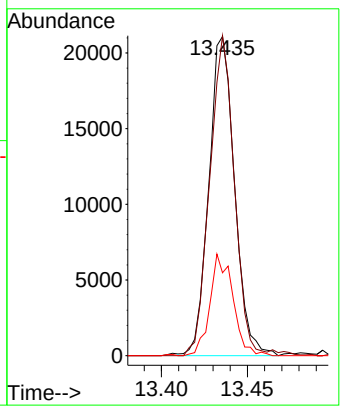




#81
1,2,4-Trichlorobenzene
Concen: 1.053 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:180 Resp: 2192

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
184	28.7	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	151256	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv		98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv		97
4) Chloromethane	1.531	50	4428	0.547	ppbv		96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv		97
6) Bromomethane	1.667	94	1717	0.556	ppbv	#	38
7) Chloroethane	1.703	64	2102	0.681	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv		97
9) Propene	1.483	41	4695	0.496	ppbv	#	77
10) Heptane	4.978	43	13003m	0.511	ppbv		
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv		98
13) Ethanol	1.719	45	1066m	0.498	ppbv		
14) Bromoethene	1.781	108	2971	0.536	ppbv	#	92
15) Acetone	1.836	43	14012	0.671	ppbv	#	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv		100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv	#	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv		77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv	#	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv		82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv	#	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv		88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv	#	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv	#	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv		97
26) Hexane	2.823	57	10019	0.494	ppbv		90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv	#	79
29) Chloroform	2.849	83	17100	0.546	ppbv	#	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv		89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv		99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv		97
34) 2-Butanone	2.557	43	16299	0.515	ppbv		94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv		90
36) Benzene	3.651	78	21800	0.515	ppbv		96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv	#	95
38) Trichloroethene	4.548	130	10097m	0.494	ppbv		
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv	#	90
40) 1,4-Dioxane	4.606	88	3963m	0.538	ppbv		
41) Tetrahydrofuran	3.056	42	8064m	0.507	ppbv		
42) Bromodichloromethane	4.487	83	16080m	0.484	ppbv		
43) Methyl Methacrylate	4.881	69	7162m	0.476	ppbv		
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv		93
45) t-1,3-Dichloropropene	6.412	75	7968m	0.472	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9709m	0.454	ppbv		
47) 1,1,2-Trichloroethane	6.574	97	8782m	0.527	ppbv		
48) Dibromochloromethane	7.383	129	12723m	0.481	ppbv		
49) Bromoform	9.481	173	10801	0.468	ppbv		97
50) 4-Methyl-2-Pentanone	5.768	43	19575m	0.486	ppbv		
51) 2-Hexanone	7.448	43	12813m	0.416	ppbv		
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv	#	81
53) Toluene	6.924	91	21324	0.469	ppbv		95
54) 1,2-Dibromoethane	7.649	107	12294m	0.521	ppbv		
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv	#	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv	#	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv		96
59) m/p-Xylene	9.549	91	47028m	0.912	ppbv		
60) o-Xylene	9.963	91	23603	0.458	ppbv		100
61) Styrene	9.872	104	9195	0.424	ppbv		97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv		99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv		99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv		95
66) Benzyl Chloride	11.617	91	2336m	0.421	ppbv		
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv		100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv		99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv		99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv		97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv	#	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv		96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv		96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv		97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv		99
79) Naphthalene	13.514	128	9916	0.592	ppbv		97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv	#	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv		95

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

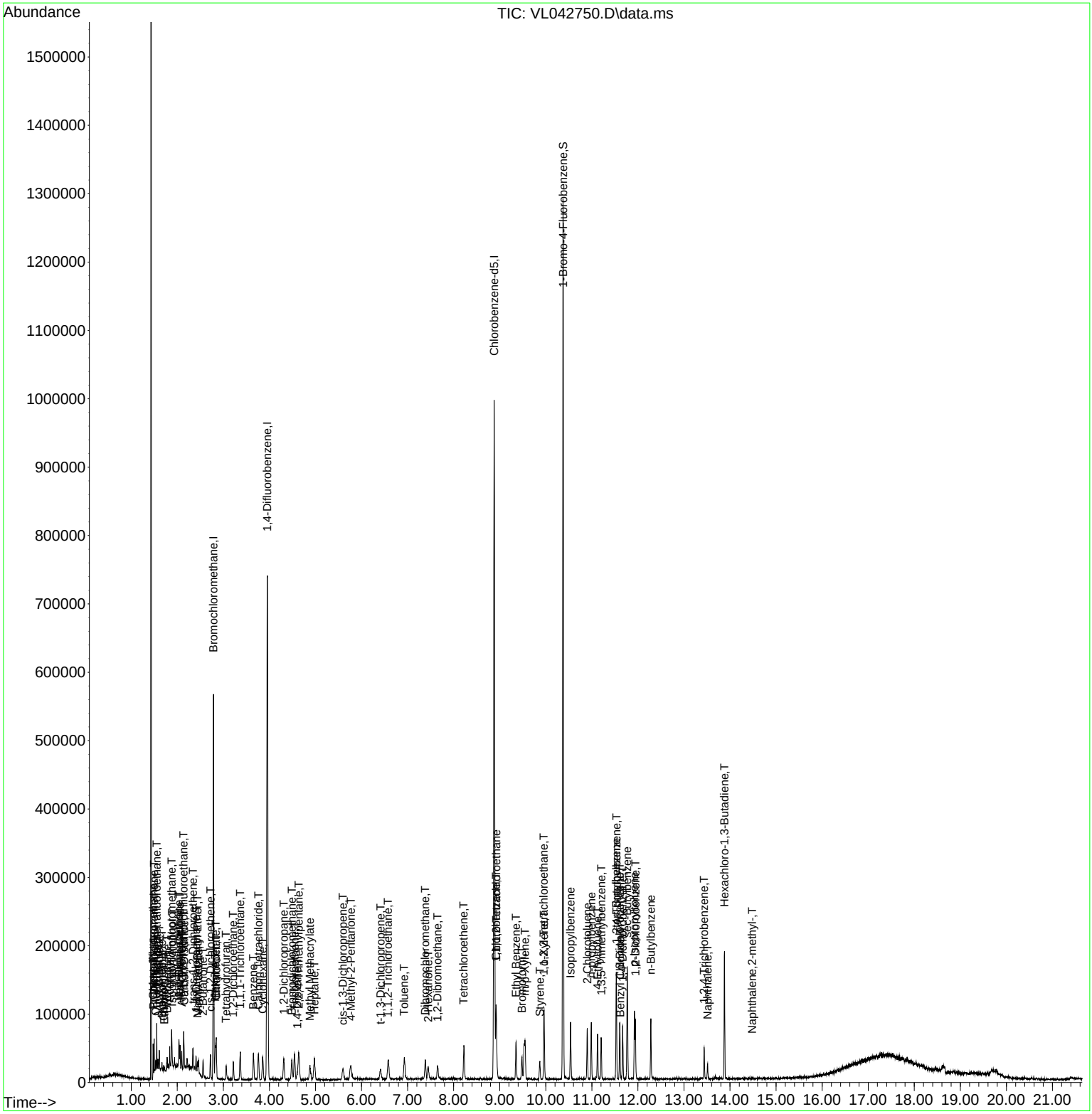
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

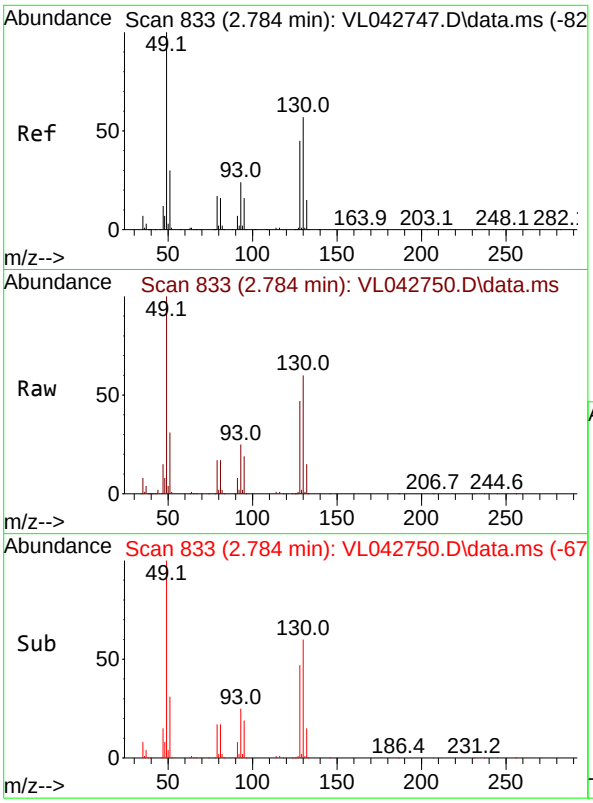
Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

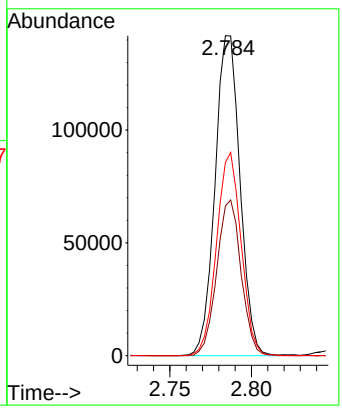




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 49 Resp: 15125

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	62.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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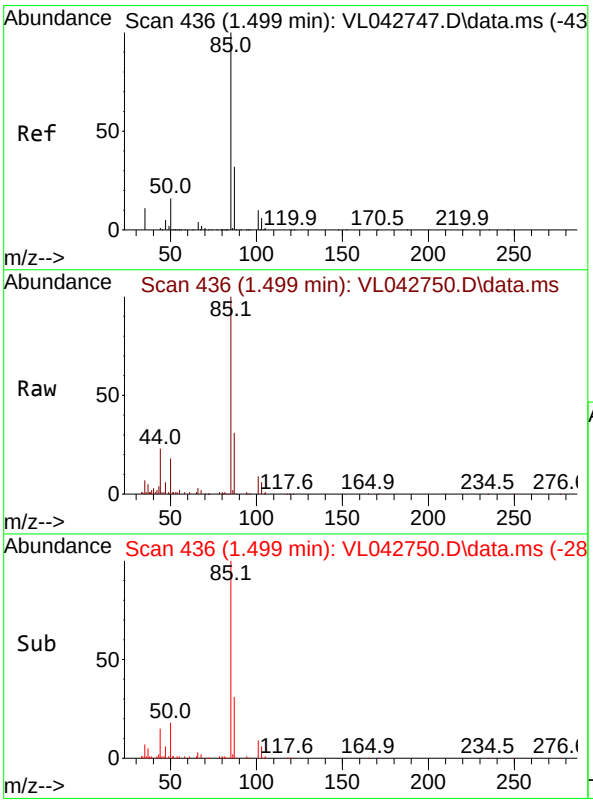
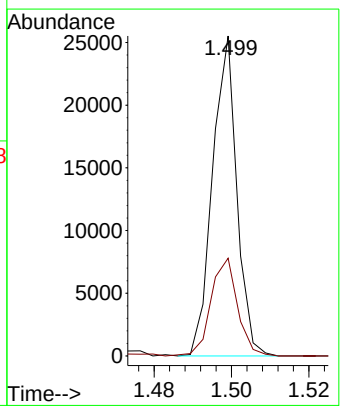
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

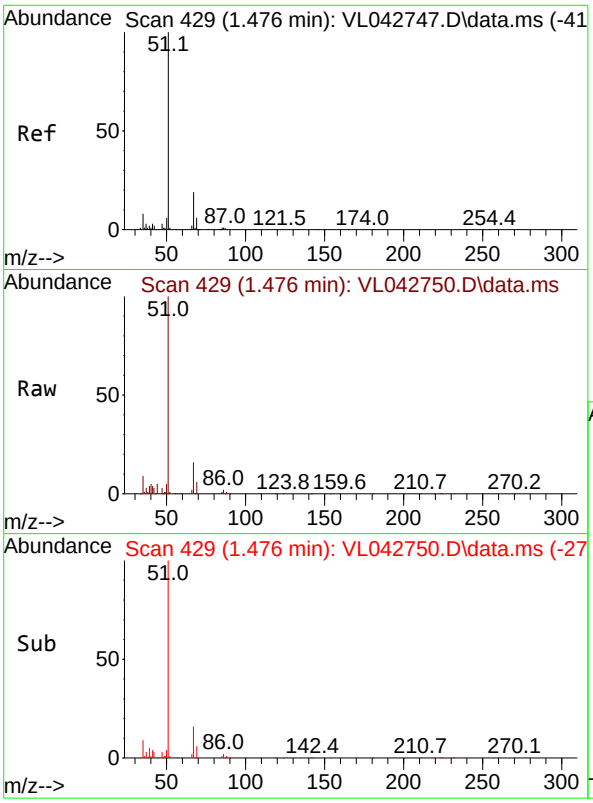


#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 11099

Ion	Ratio	Lower	Upper
85	100		
87	30.6	25.4	38.2

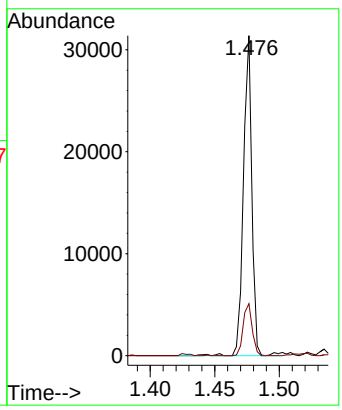




#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 51 Resp: 1429

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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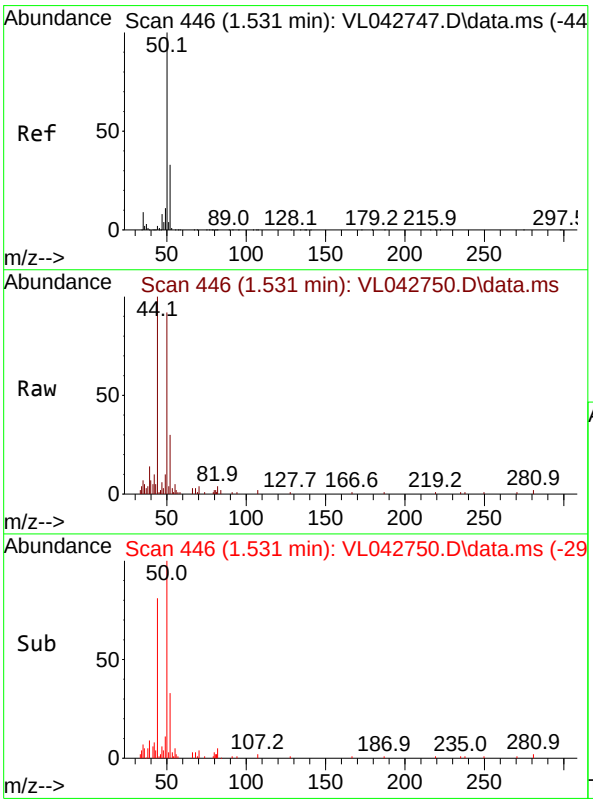
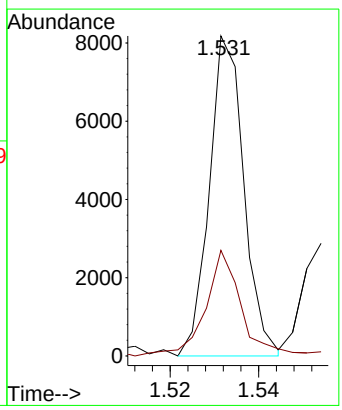
Supervised By :Mahesh Dadoda 07/24/2025

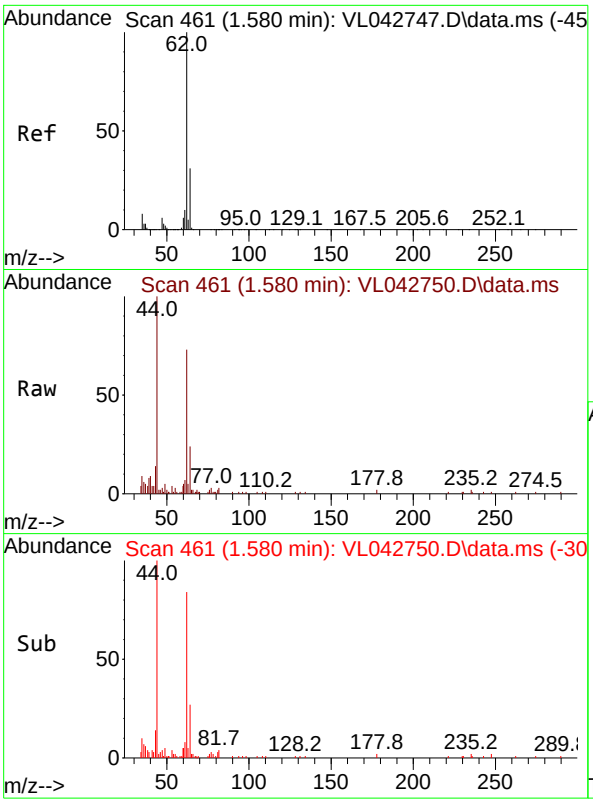


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 50 Resp: 4428

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0

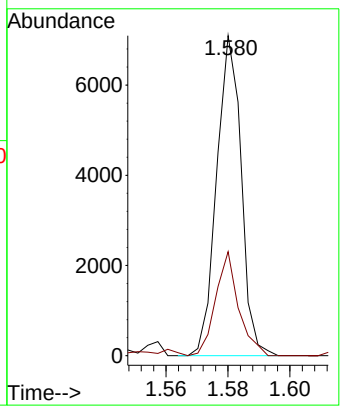




#5
Vinyl Chloride
Concen: 0.488 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 62 Resp: 390

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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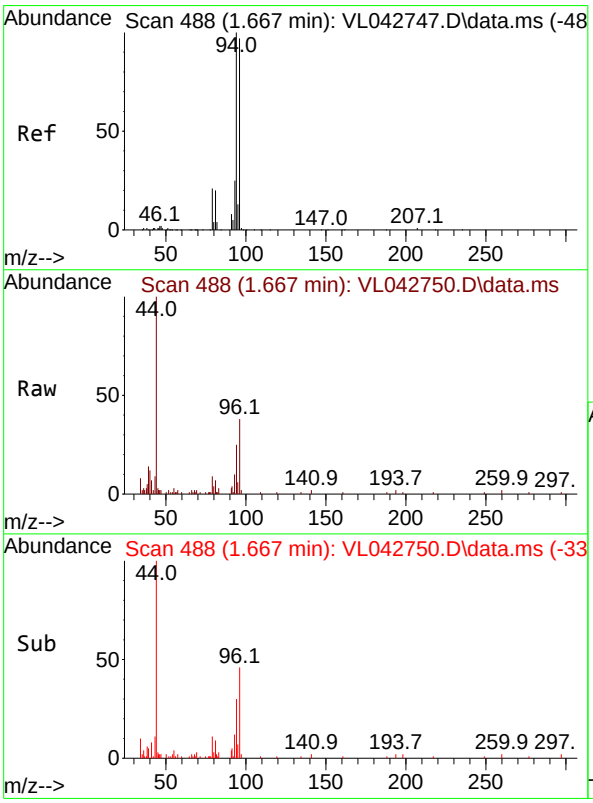
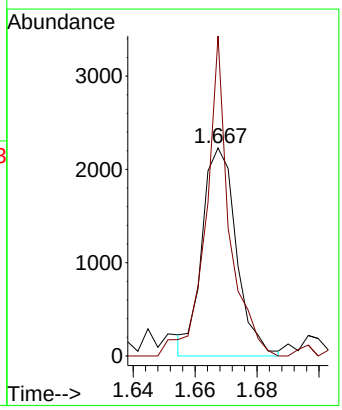
Supervised By :Mahesh Dadoda 07/24/2025

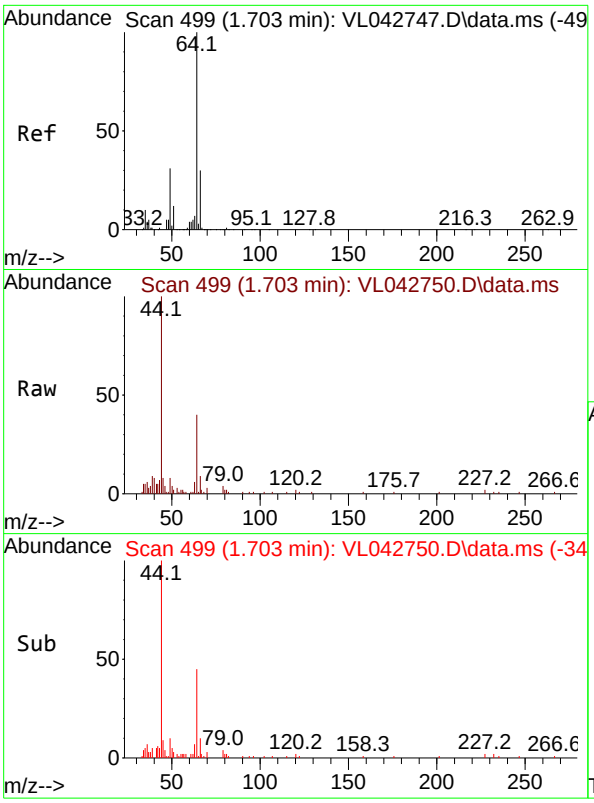


#6
Bromomethane
Concen: 0.556 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 94 Resp: 1717

Ion	Ratio	Lower	Upper
94	100		
96	157.5	77.6	116.4#

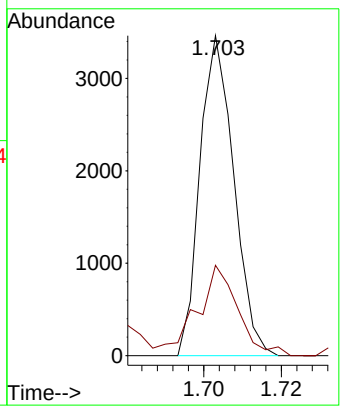




#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 64 Resp: 210

Ion	Ratio	Lower	Upper
64	100		
66	28.3	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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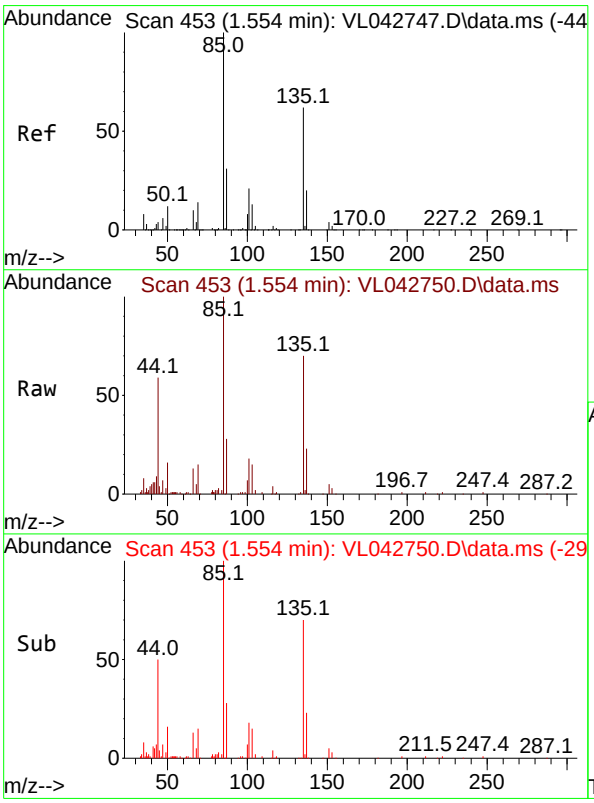
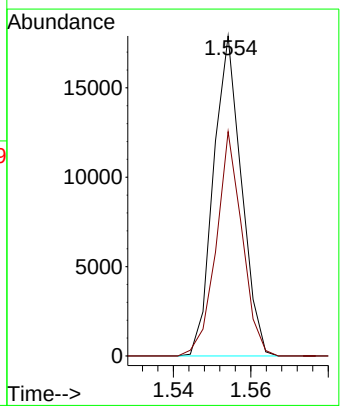
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

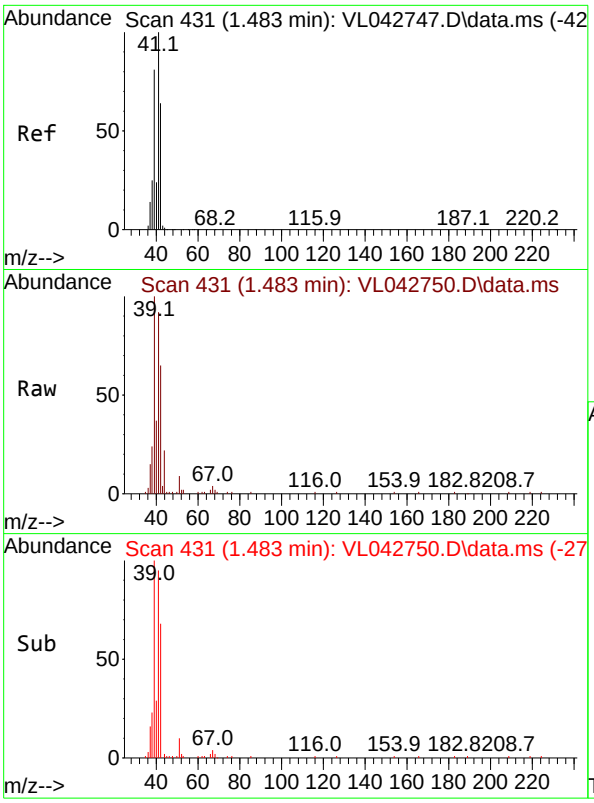


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 8971

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0

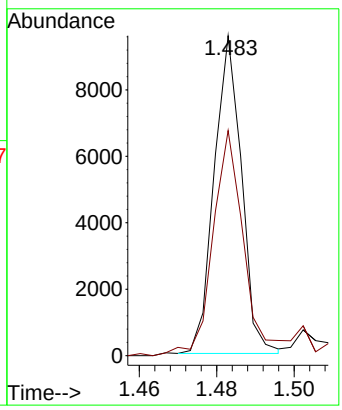




#9
Propene
Concen: 0.496 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 41 Resp: 469

Ion	Ratio	Lower	Upper
41	100		
42	84.9	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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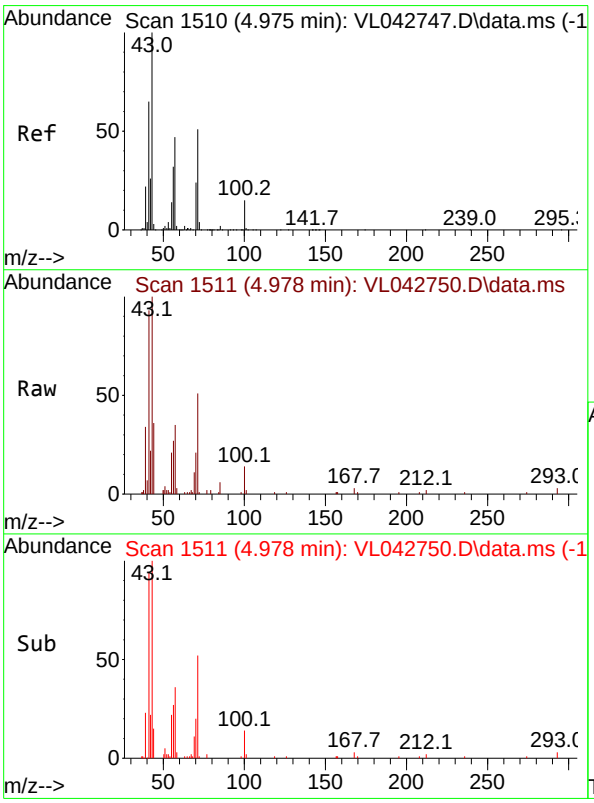
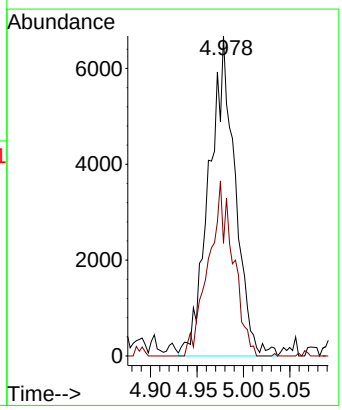
Supervised By :Mahesh Dadoda 07/24/2025

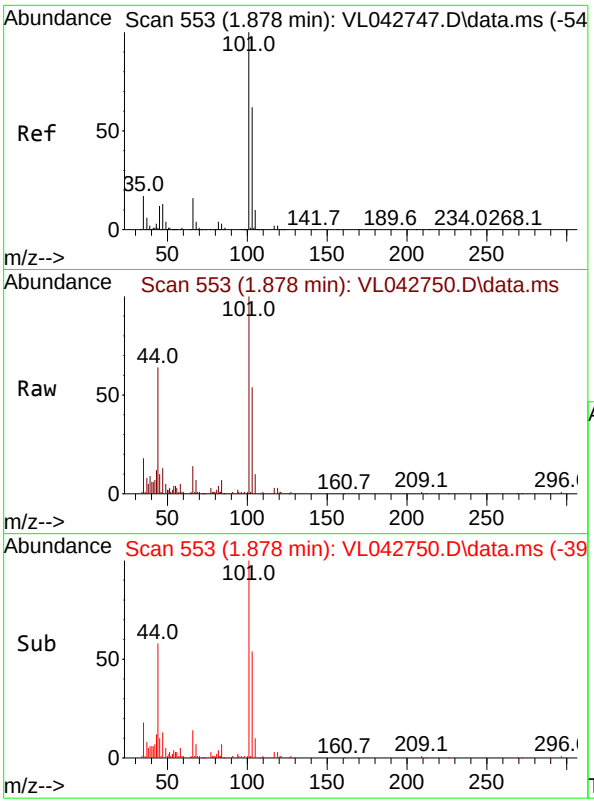


#10
Heptane
Concen: 0.511 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 13003

Ion	Ratio	Lower	Upper
43	100		
57	51.9	39.9	59.9

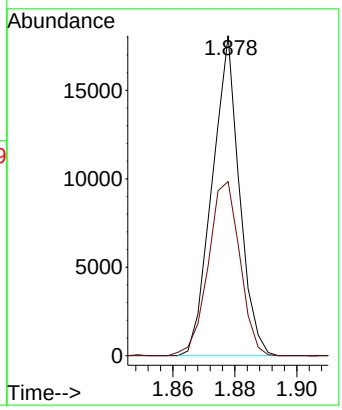




#11
Trichlorofluoromethane
Concen: 0.535 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 1102

Ion	Ratio	Lower	Upper
101	100		
103	54.4	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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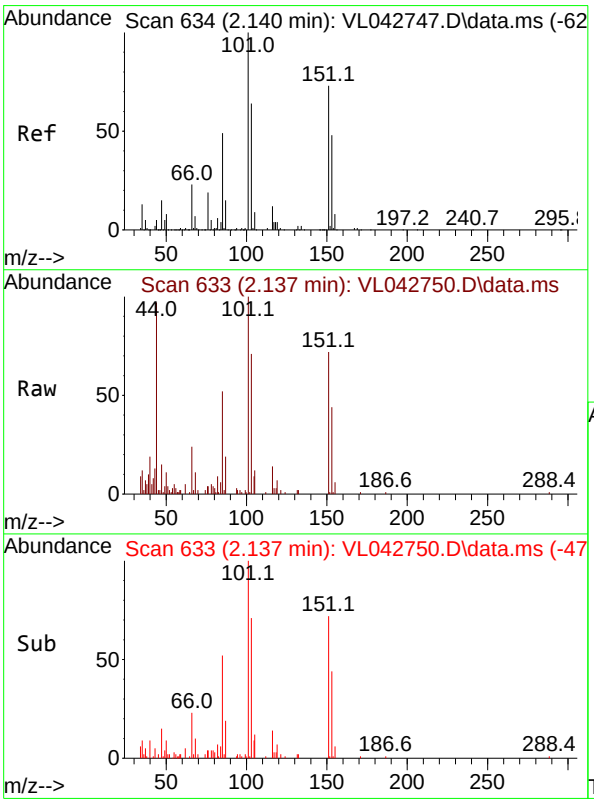
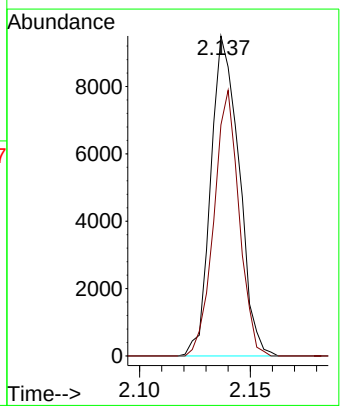
Supervised By :Mahesh Dadoda 07/24/2025

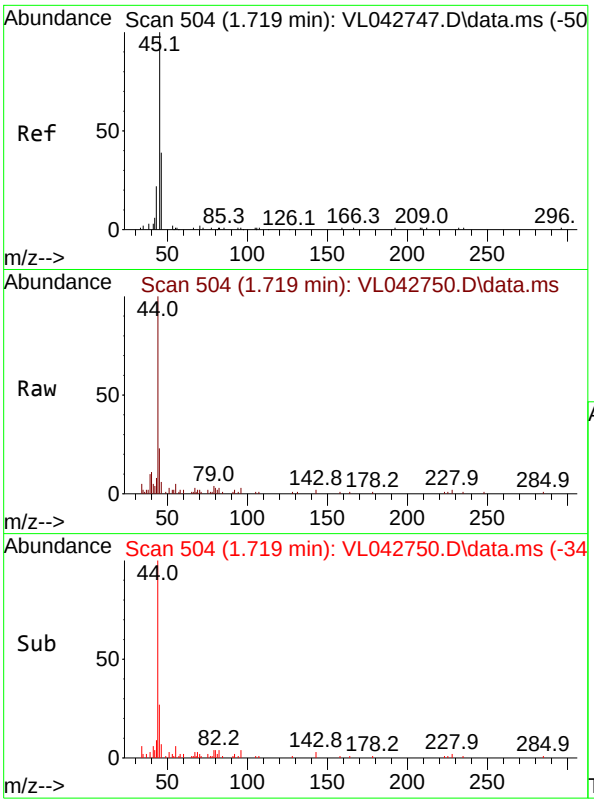


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.538 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 8430

Ion	Ratio	Lower	Upper
101	100		
151	74.0	60.5	90.7

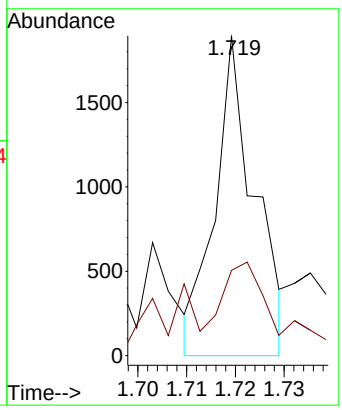




#13
Ethanol
Concen: 0.498 ppbv m
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 45 Resp: 106(

Ion	Ratio	Lower	Upper
45	100		
46	81.1	17.8	71.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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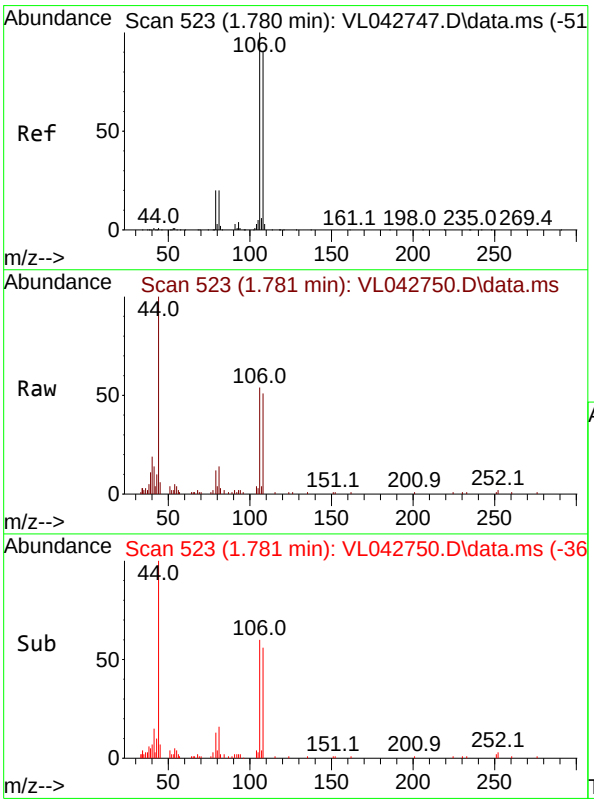
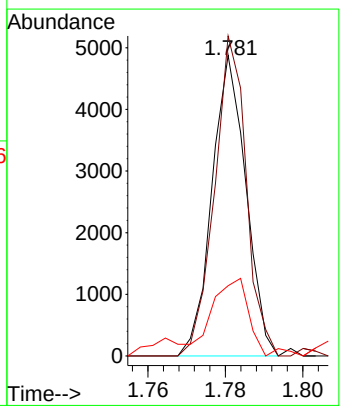
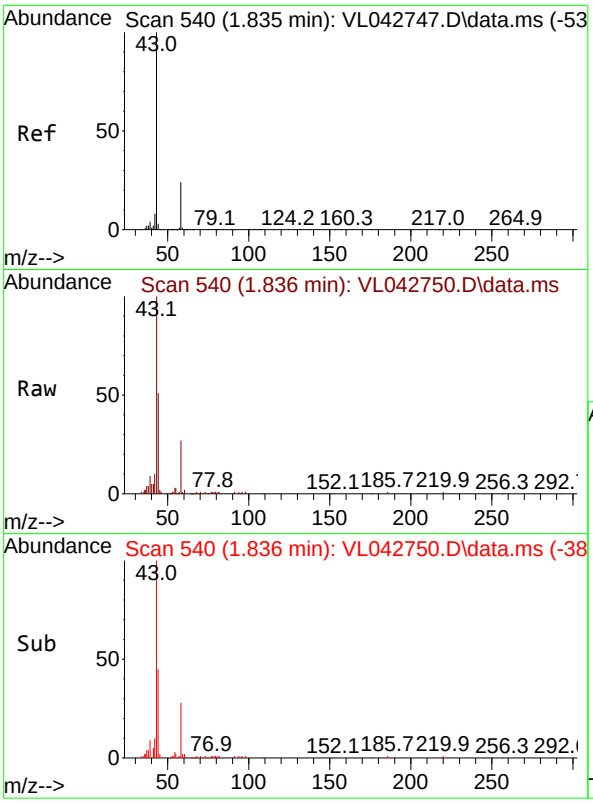


#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:108 Resp: 2971

Ion	Ratio	Lower	Upper
108	100		
106	102.0	84.7	127.1
79	35.4	17.4	26.2#

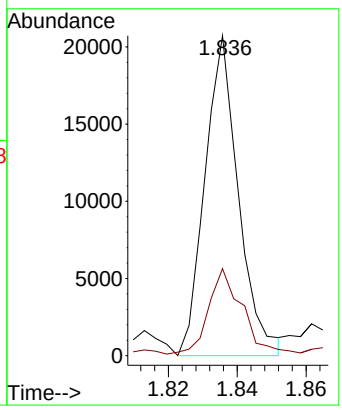




#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1401

Ion	Ratio	Lower	Upper
43	100		
58	30.8	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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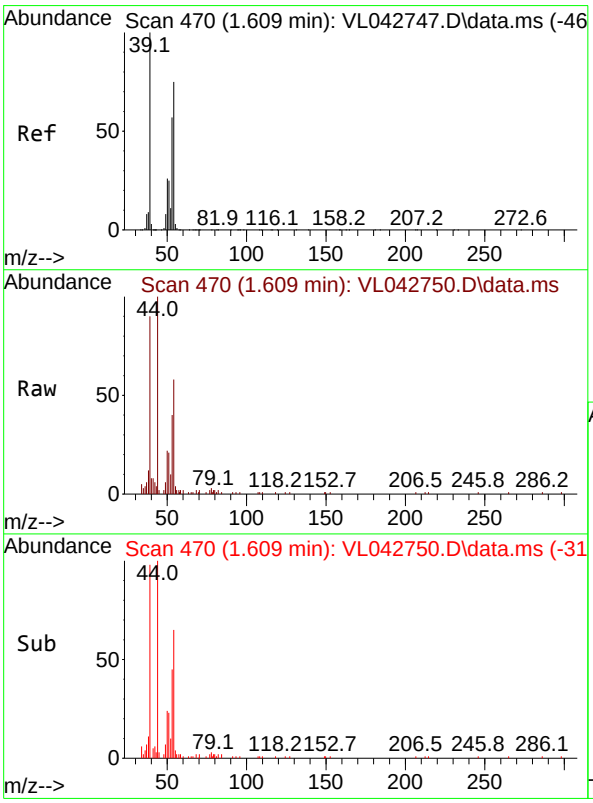
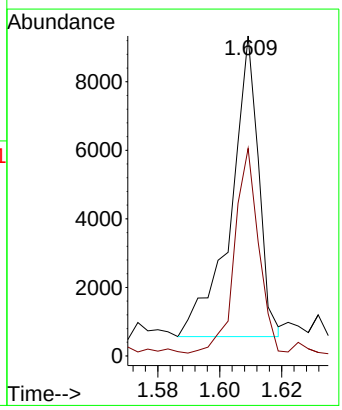
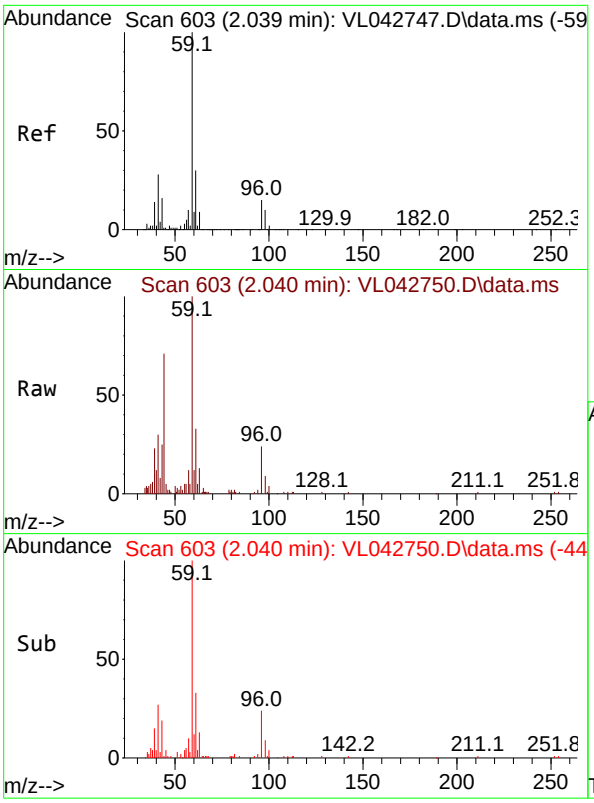


#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 39 Resp: 5488

Ion	Ratio	Lower	Upper
39	100		
54	67.8	54.5	81.7





#17
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 59 Resp: 1033

Ion	Ratio	Lower	Upper
59	100		
57	19.1	8.3	12.5#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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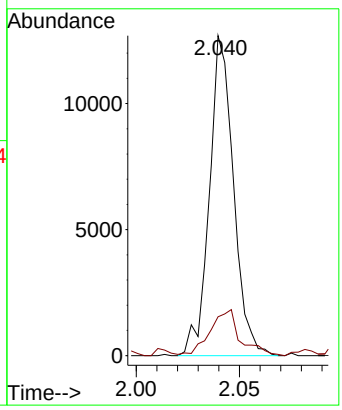
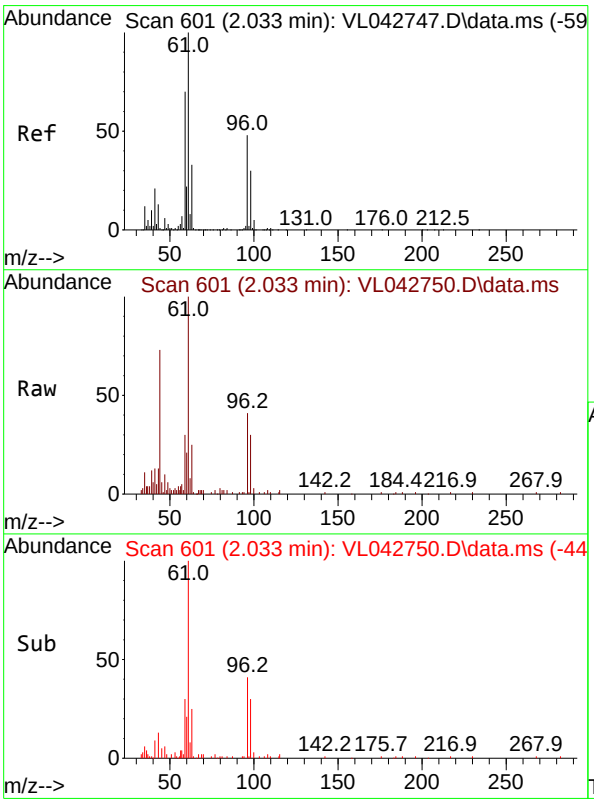
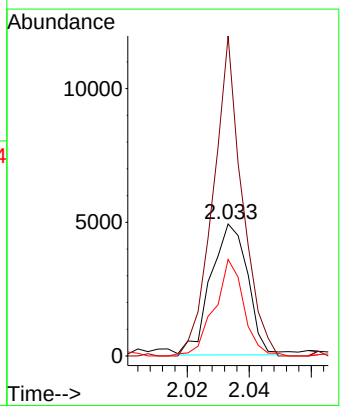


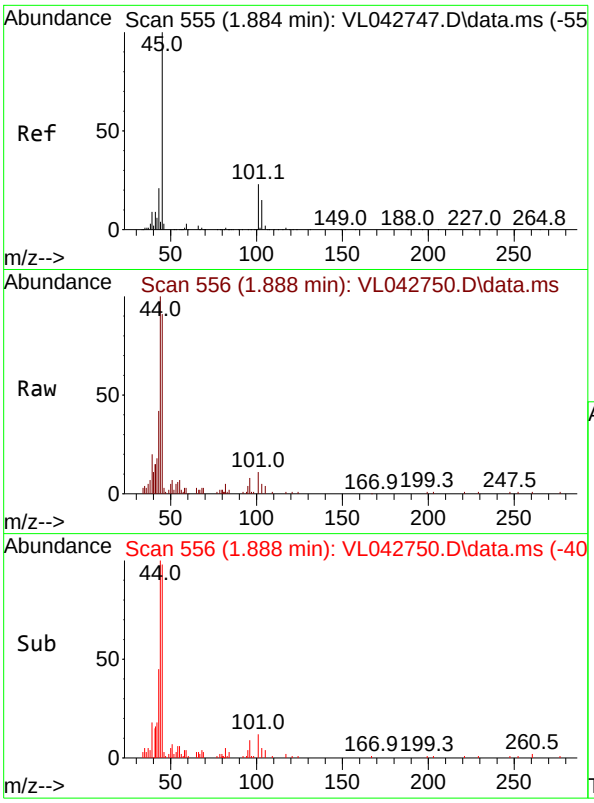


#18
1,1-Dichloroethene
Concen: 0.572 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4051

Ion	Ratio	Lower	Upper
96	100		
61	246.6	165.8	248.6
98	72.7	49.9	74.9

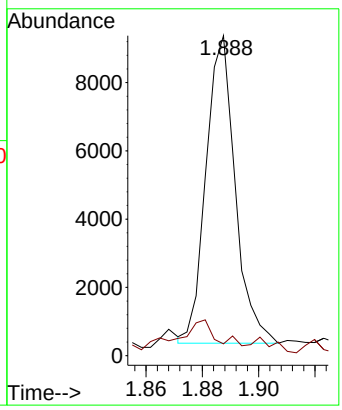




#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 45 Resp: 647

Ion	Ratio	Lower	Upper
45	100		
58	25.9	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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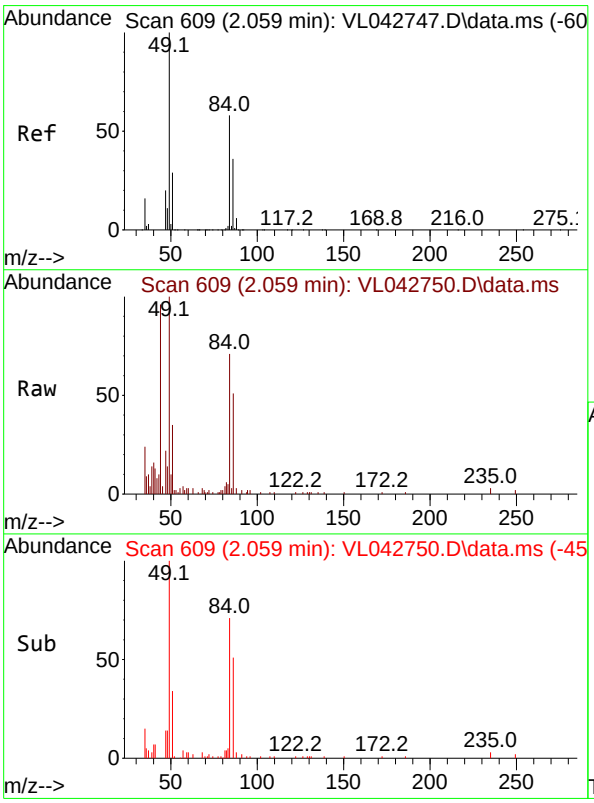
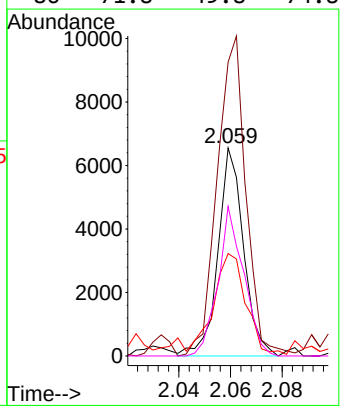
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

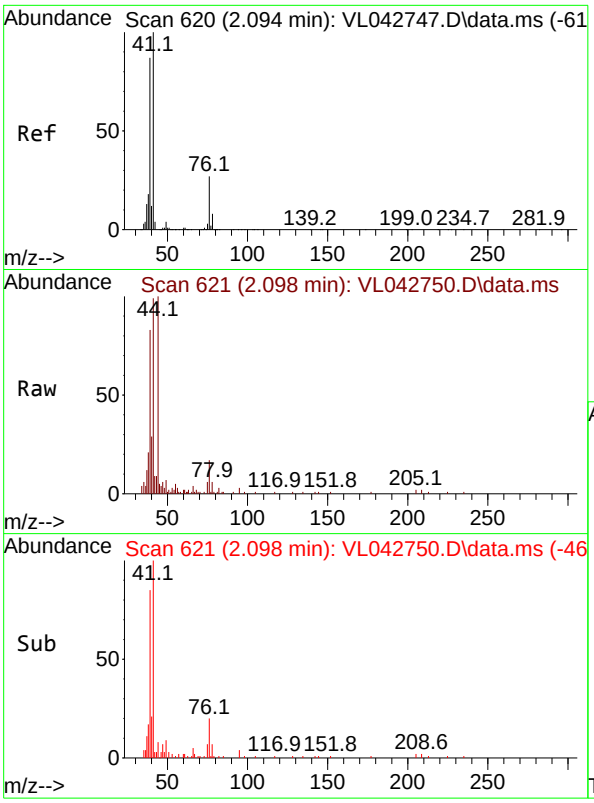


#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500

Ion	Ratio	Lower	Upper
84	100		
49	141.2	138.6	208.0
51	46.8	40.6	61.0
86	71.8	49.8	74.8

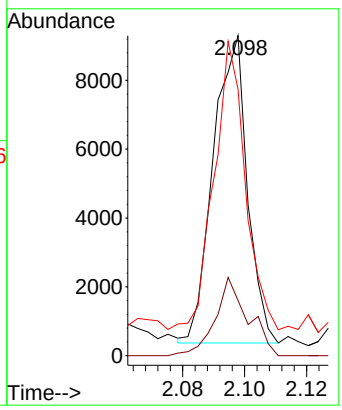




#21
Allyl Chloride
Concen: 0.531 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 41 Resp: 682

Ion	Ratio	Lower	Upper
41	100		
76	24.4	21.1	31.7
39	108.8	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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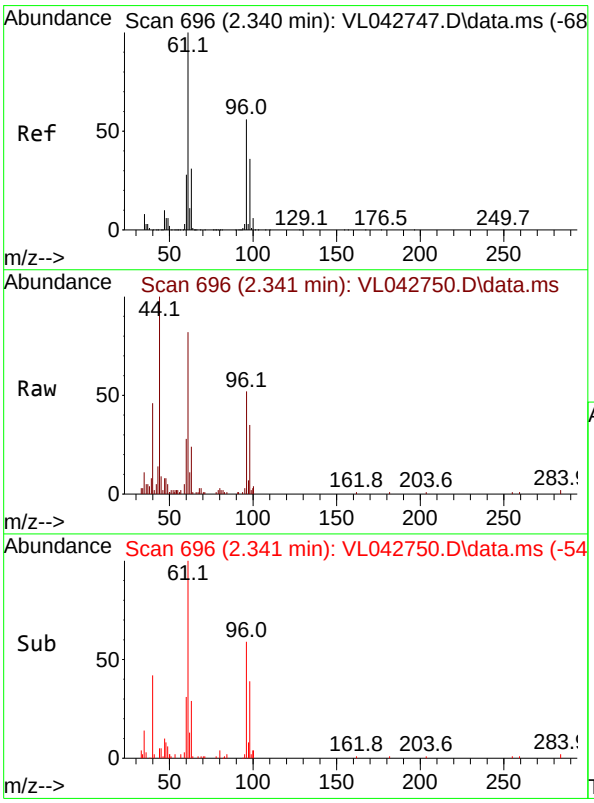
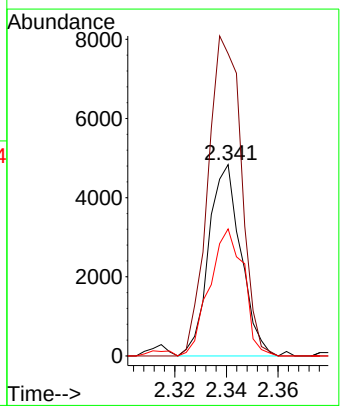
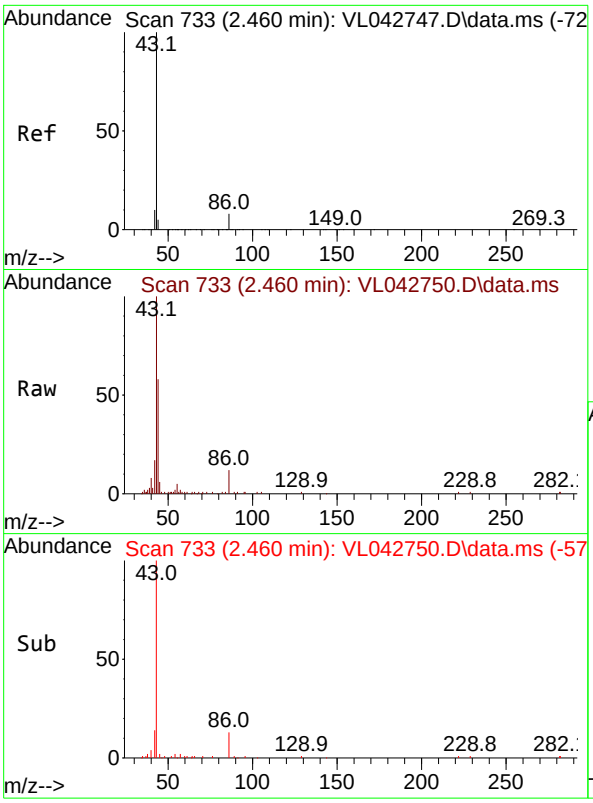


#22
trans-1,2-Dichloroethene
Concen: 0.551 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4186

Ion	Ratio	Lower	Upper
96	100		
61	157.9	142.3	213.5
98	66.4	50.6	76.0

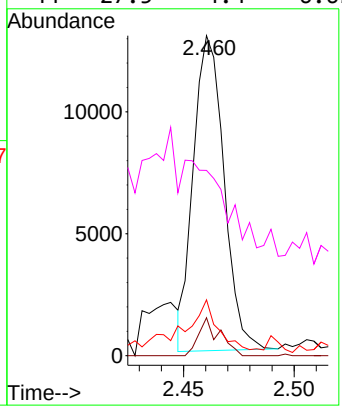




#23
Vinyl Acetate
Concen: 0.491 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1242

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.1	9.1#
42	13.5	7.8	11.8#
44	27.5	4.4	6.6#



Instrument :
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ClientSampleId :
VSTDICC0.5

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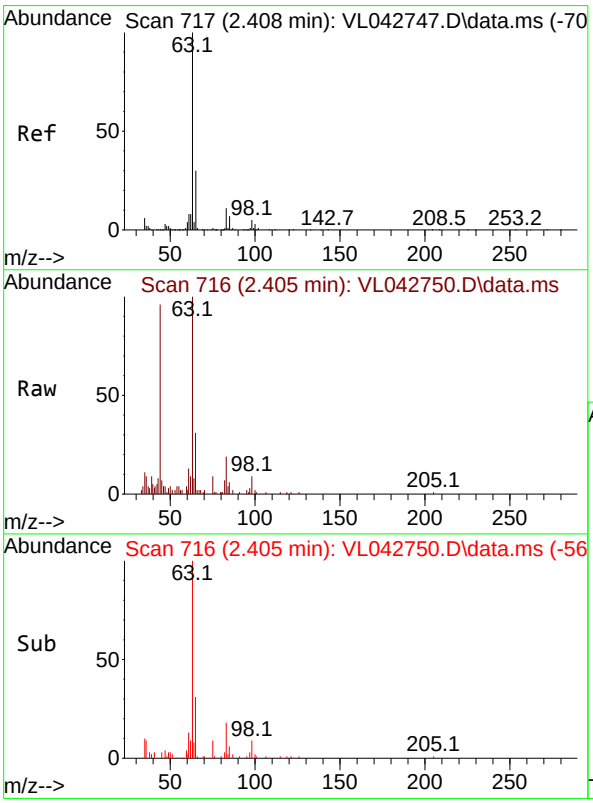
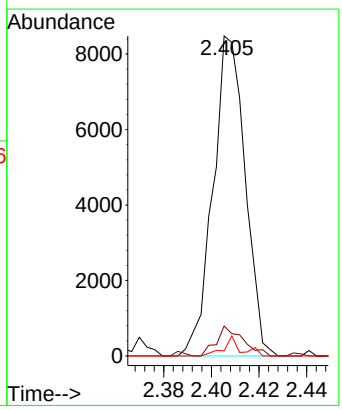
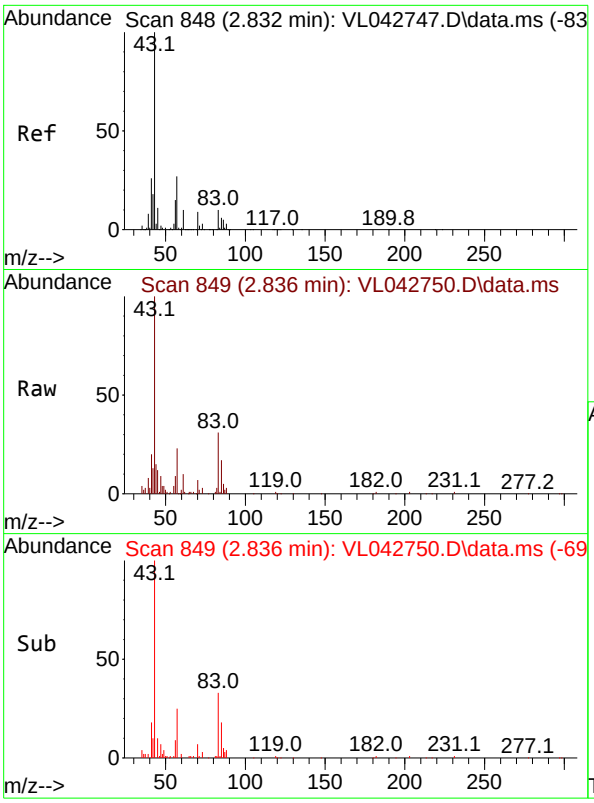


#24
1,1-Dichloroethane
Concen: 0.509 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 7962

Ion	Ratio	Lower	Upper
63	100		
98	9.4	2.5	7.4#
100	2.8	1.6	4.8

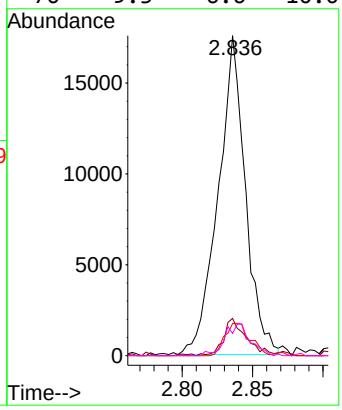




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 2363

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.8	6.7	10.1
70	9.3	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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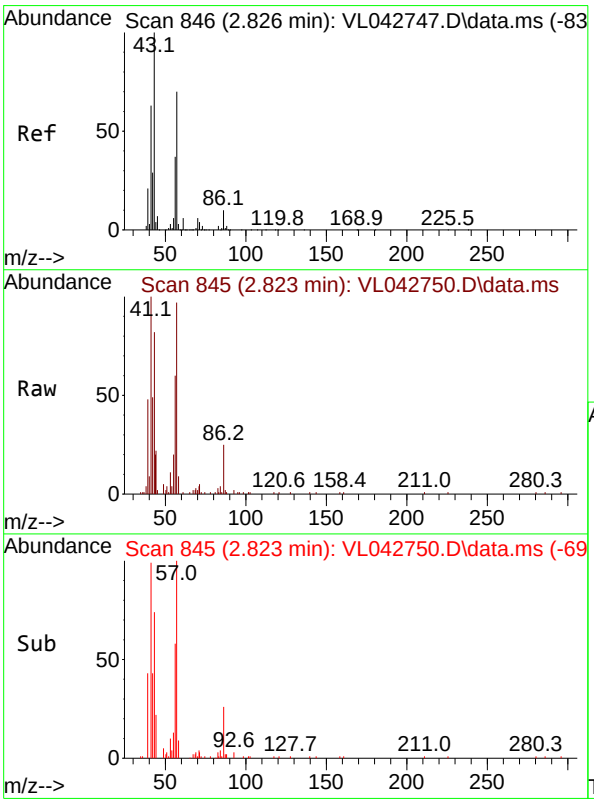
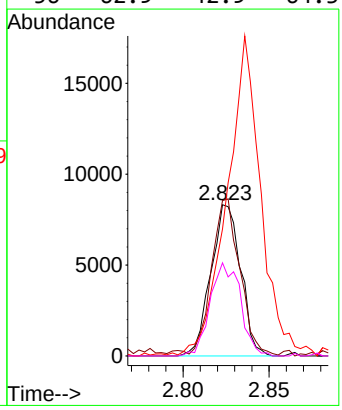
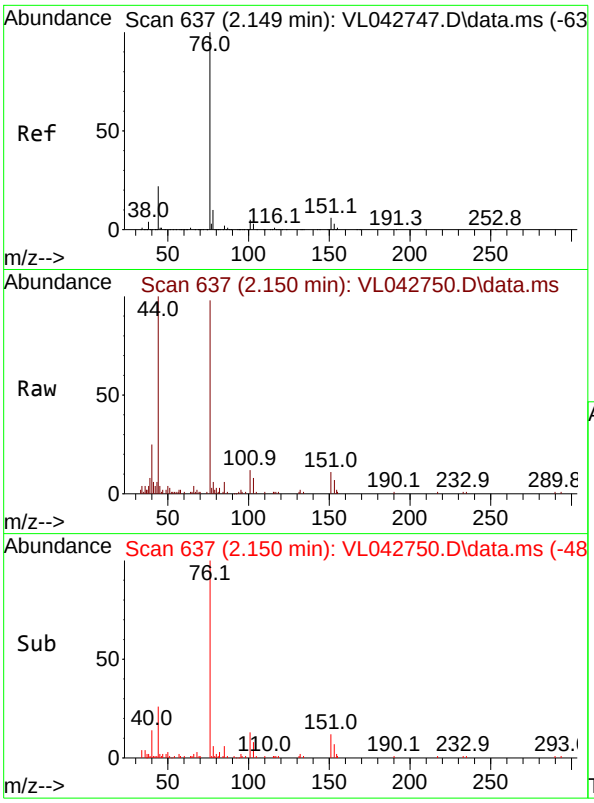


#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 10019

Ion	Ratio	Lower	Upper
57	100		
41	107.1	75.4	113.2
43	244.9	185.0	277.6
56	62.9	42.9	64.3

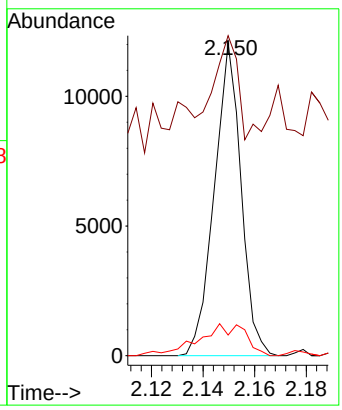




#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 76 Resp: 867

Ion	Ratio	Lower	Upper
76	100		
44	203.7	19.3	28.9#
78	19.1	9.9	14.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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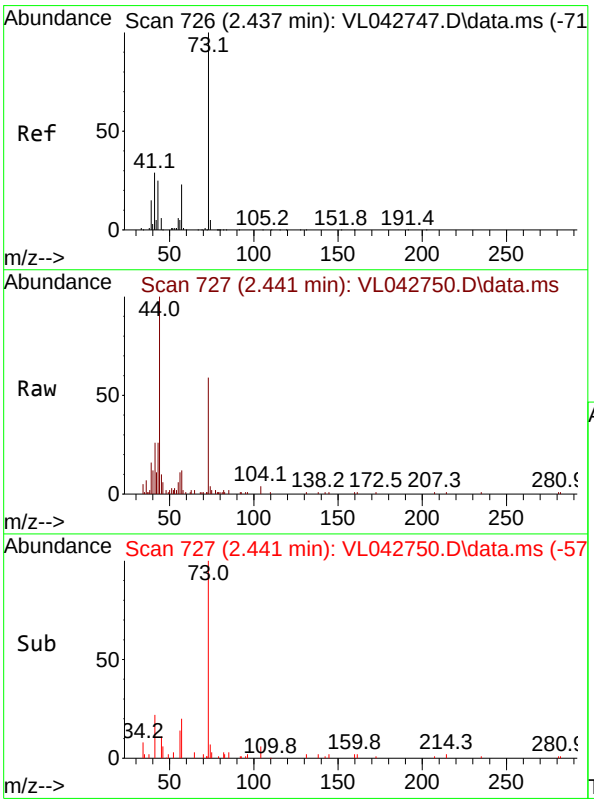
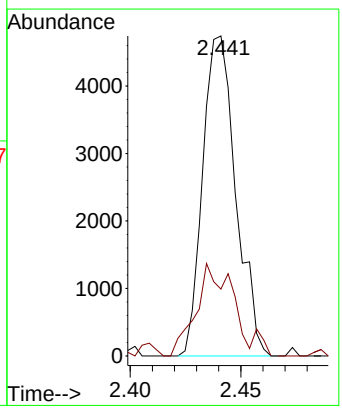
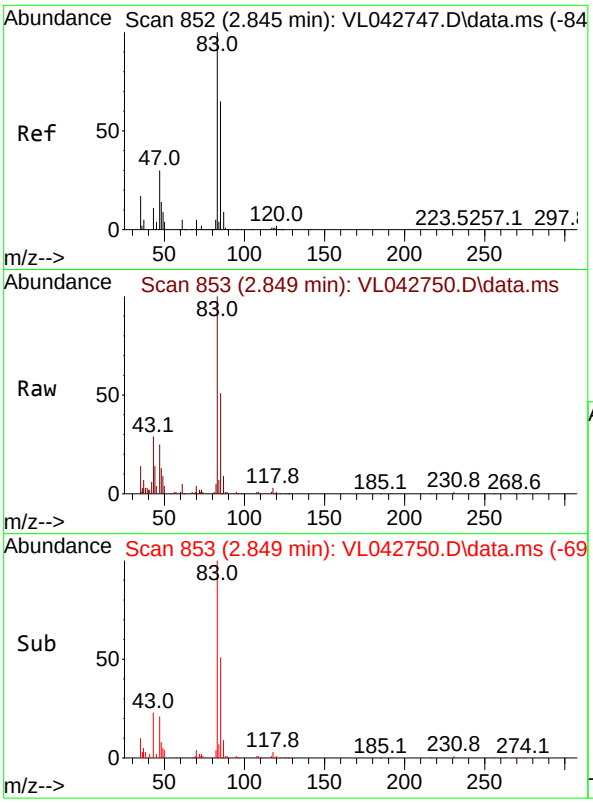


#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 73 Resp: 4937

Ion	Ratio	Lower	Upper
73	100		
57	35.2	19.8	29.8#





#29
Chloroform
Concen: 0.546 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 1710

Ion	Ratio	Lower	Upper
83	100		
85	50.7	52.2	78.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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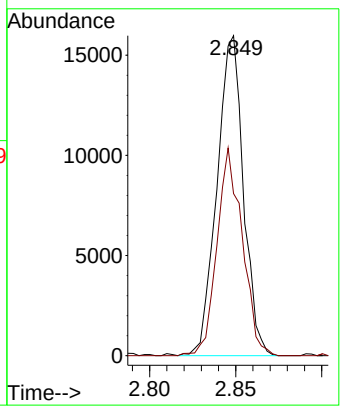
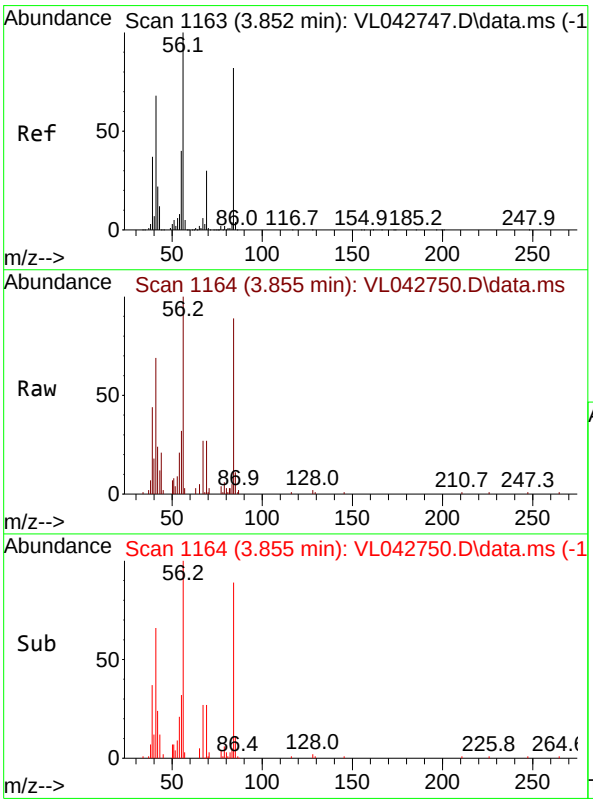
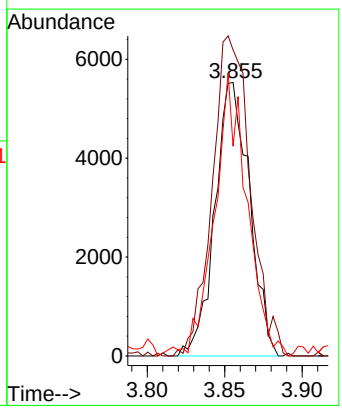


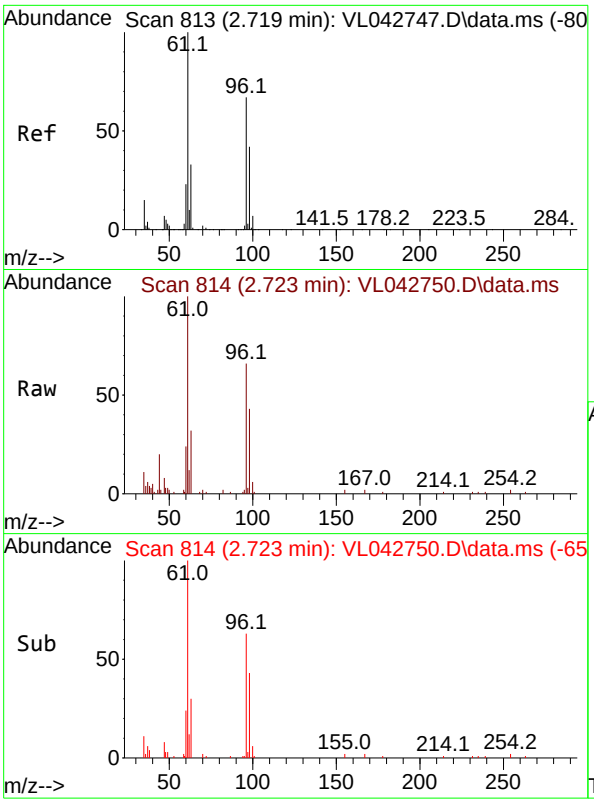


#30
Cyclohexane
Concen: 0.500 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 8596

Ion	Ratio	Lower	Upper
84	100		
56	129.6	97.5	146.3
41	98.8	67.2	100.8

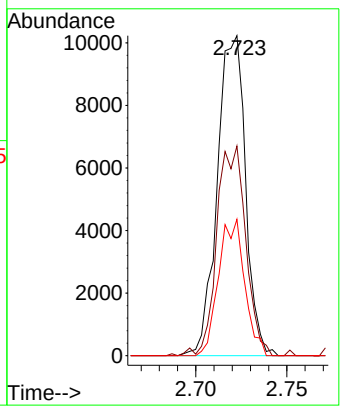




#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 61 Resp: 1103

Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.5	80.3
98	42.6	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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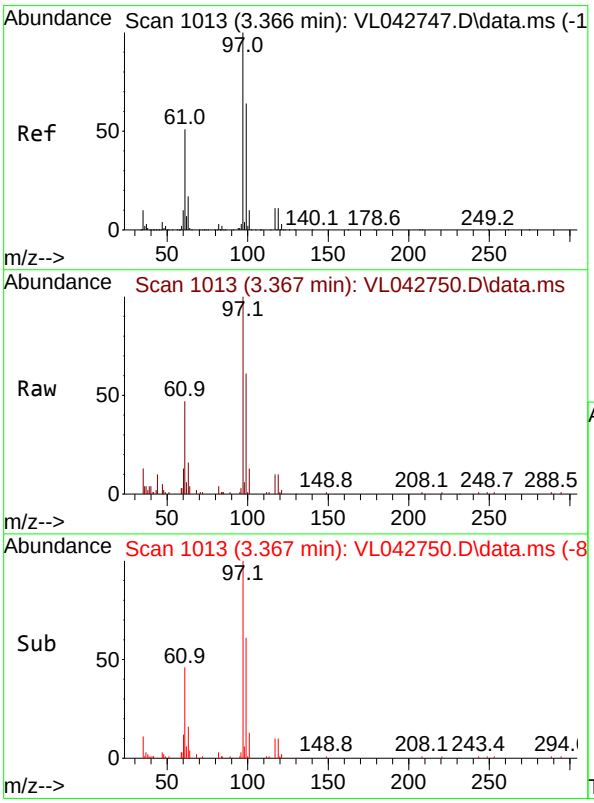
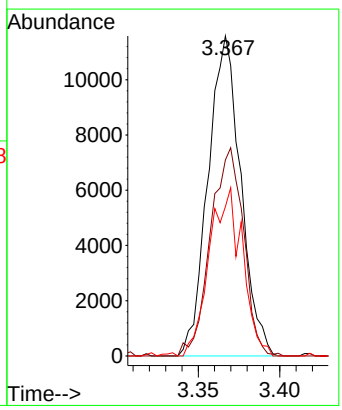
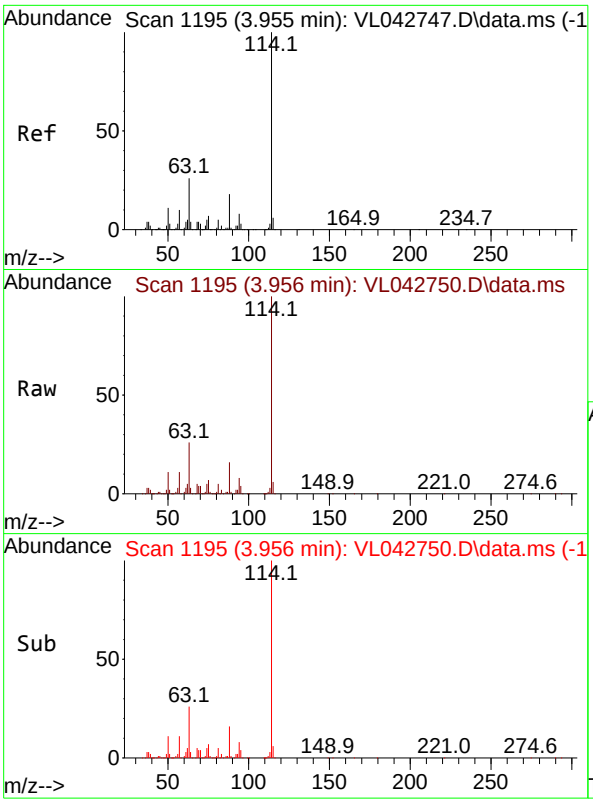


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 16132

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	53.8	40.9	61.3

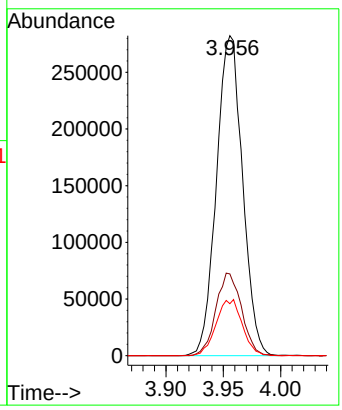




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:114 Resp: 44683

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.7	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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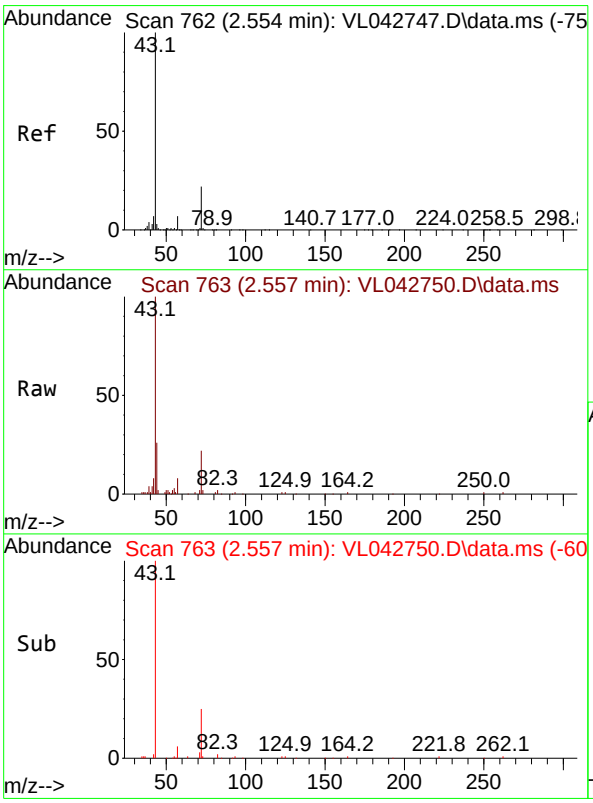
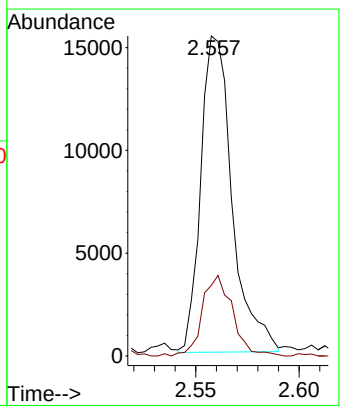
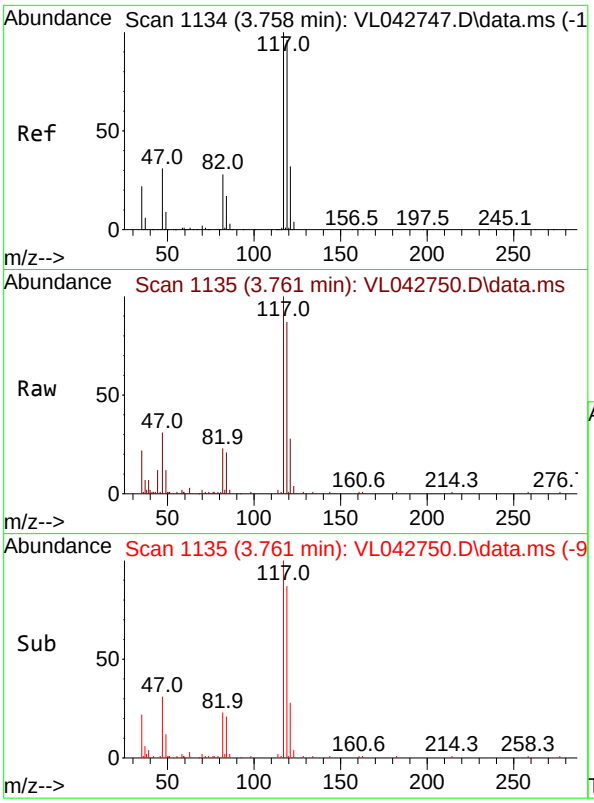


#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 16299

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0

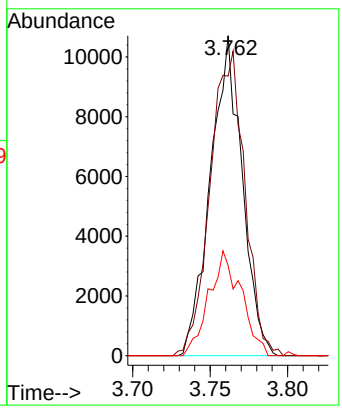




#35
Carbon Tetrachloride
Concen: 0.458 ppbv
RT: 3.761 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:117 Resp: 1520

Ion	Ratio	Lower	Upper
117	100		
119	86.0	77.1	115.7
121	28.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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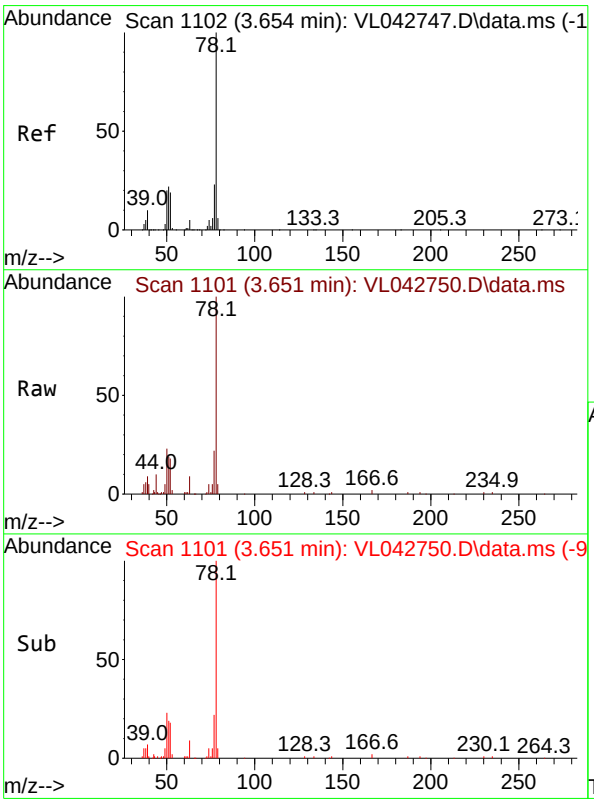
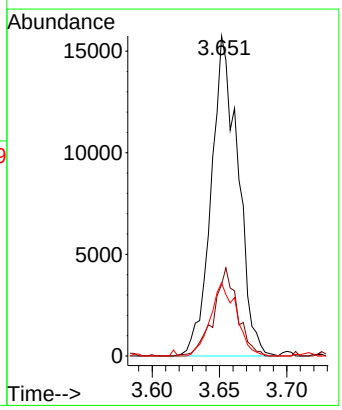
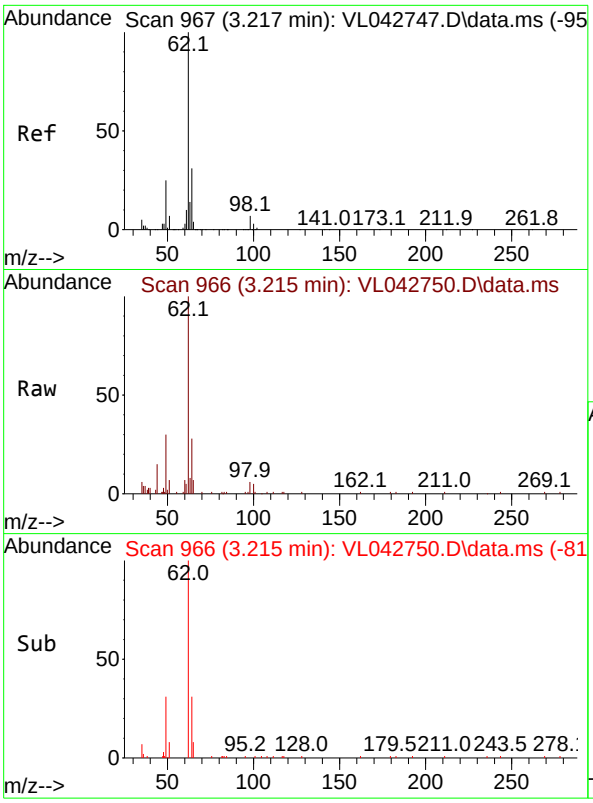


#36
Benzene
Concen: 0.515 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 78 Resp: 21800

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
50	22.8	16.2	24.2

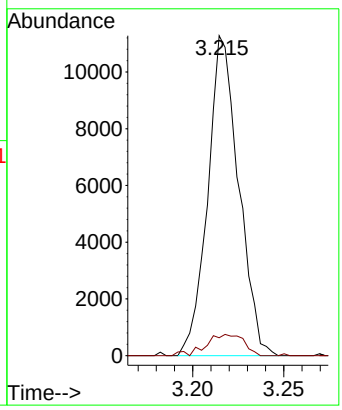




#37
1,2-Dichloroethane
Concen: 0.521 ppbv
RT: 3.215 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 62 Resp: 1329

Ion	Ratio	Lower	Upper
62	100		
98	8.3	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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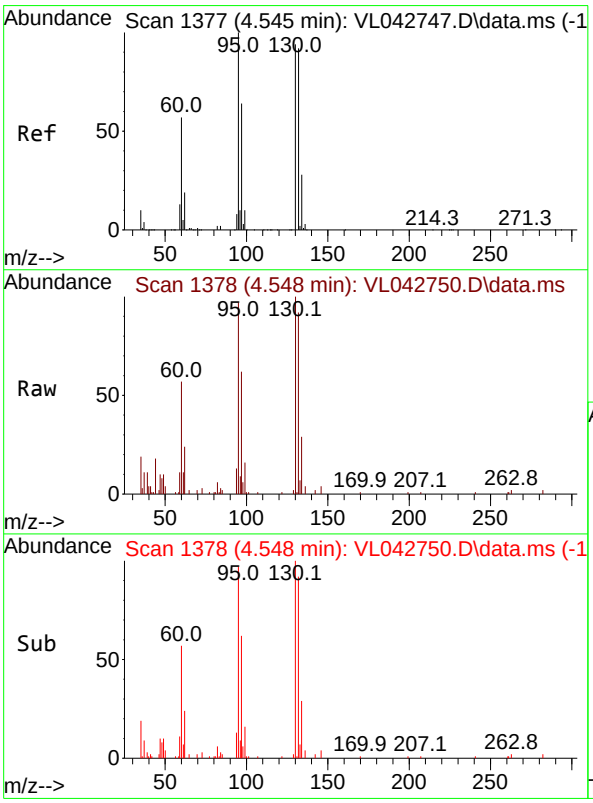
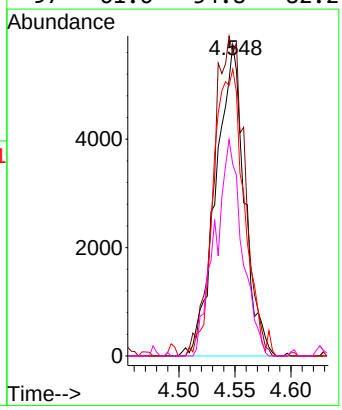
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

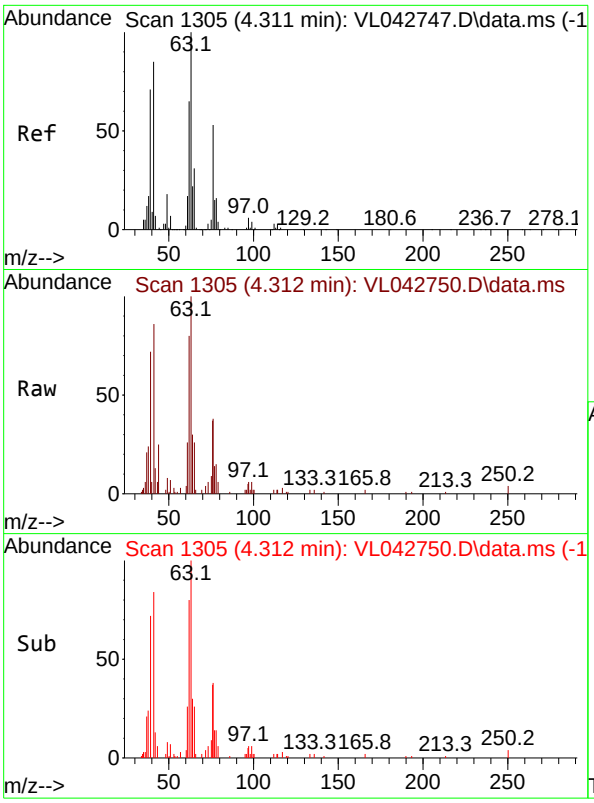


#38
Trichloroethene
Concen: 0.494 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 10097

Ion	Ratio	Lower	Upper
130	100		
95	97.3	85.4	128.2
132	92.1	78.2	117.2
97	61.6	54.8	82.2

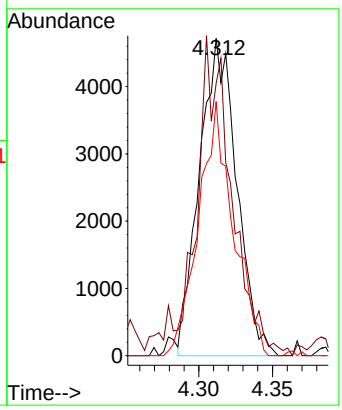




#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 829

Ion	Ratio	Lower	Upper
63	100		
41	83.1	68.2	102.4
62	80.1	52.0	78.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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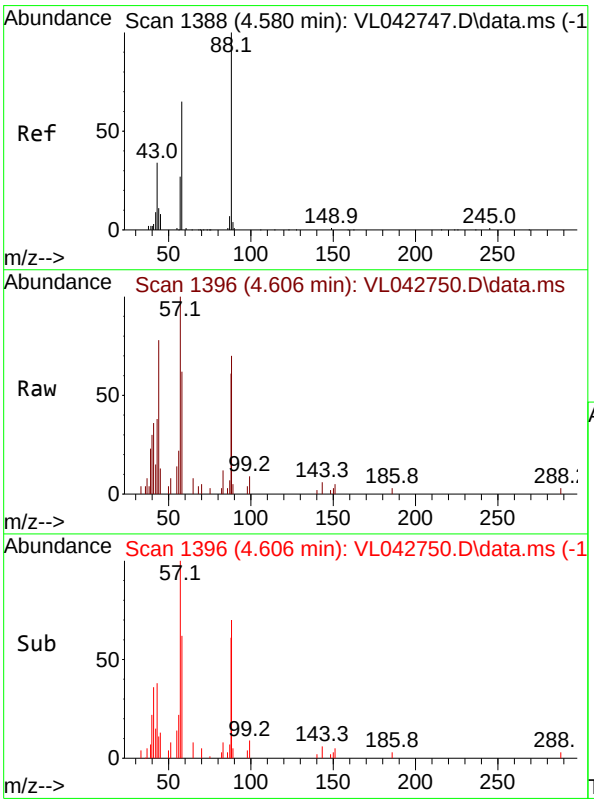
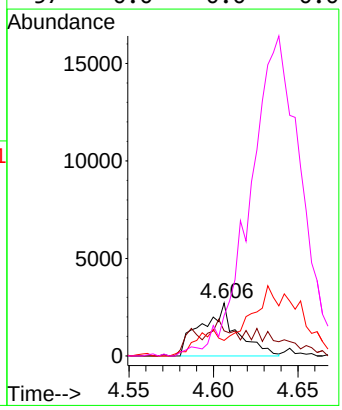
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

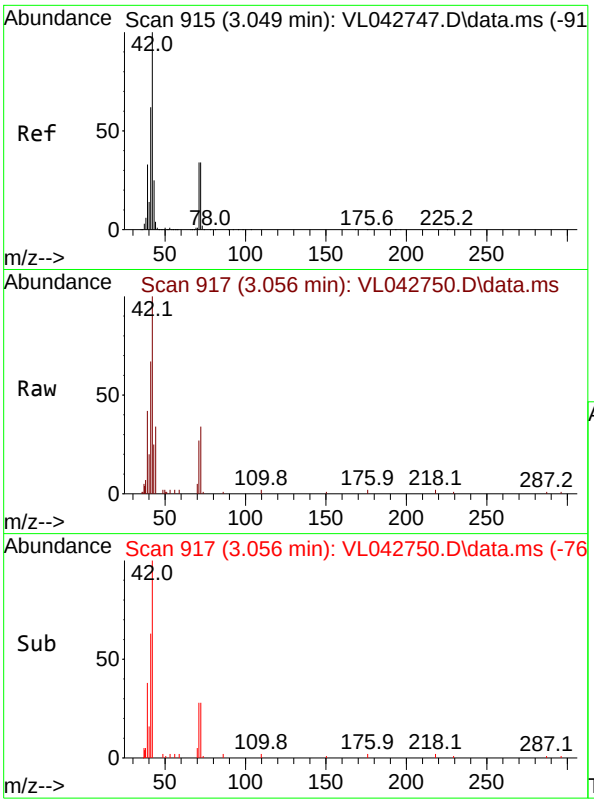


#40
1,4-Dioxane
Concen: 0.538 ppbv m
RT: 4.606 min Scan# 1396
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 88 Resp: 3963

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

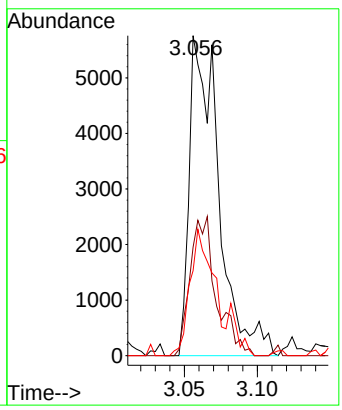




#41
Tetrahydrofuran
Concen: 0.507 ppbv m
RT: 3.056 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 42 Resp: 806

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	37.6	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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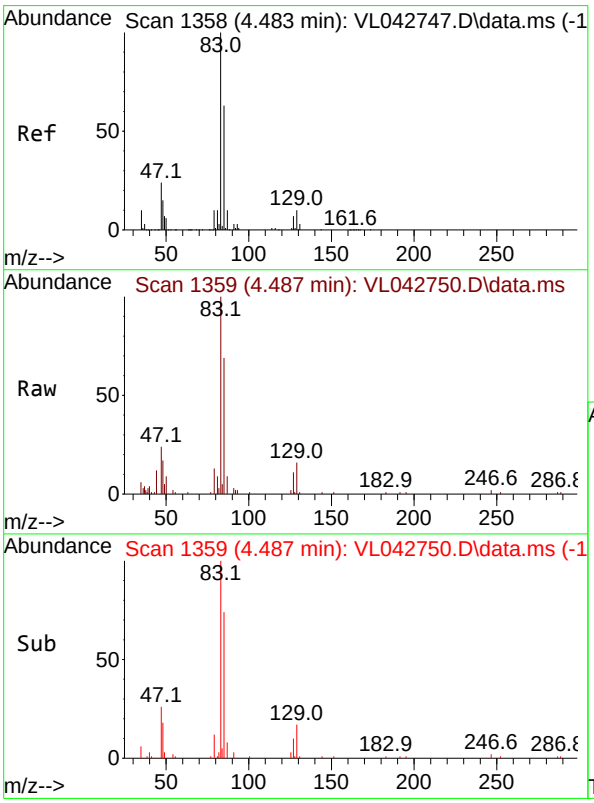
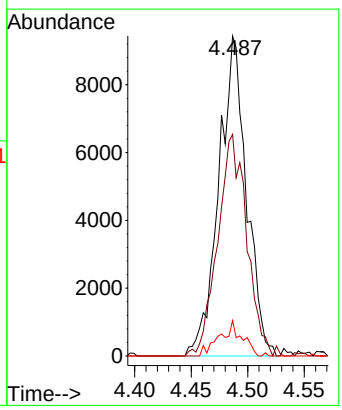
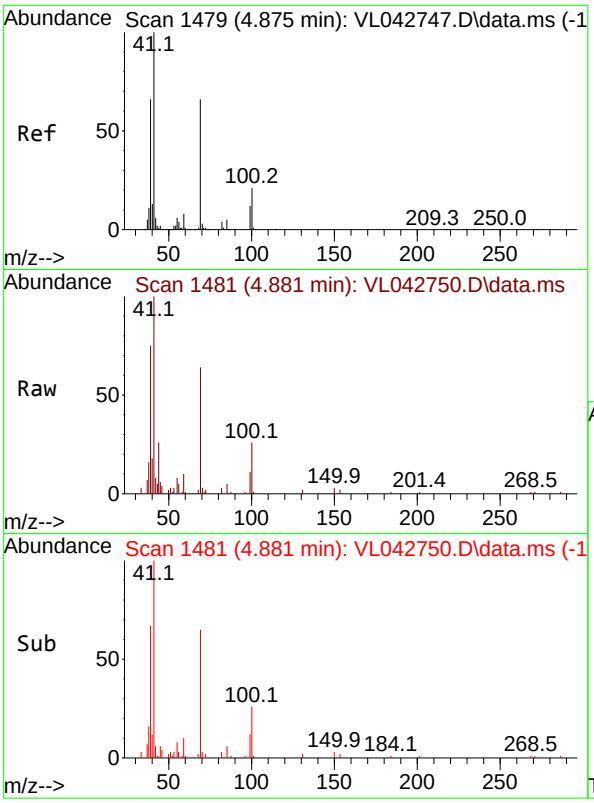


#42
Bromodichloromethane
Concen: 0.484 ppbv m
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 16080

Ion	Ratio	Lower	Upper
83	100		
85	69.3	50.2	75.4
127	11.1	5.4	8.2#

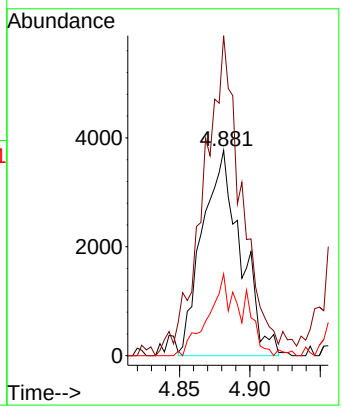




#43
Methyl Methacrylate
Concen: 0.476 ppbv m
RT: 4.881 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 69 Resp: 716

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	36.5	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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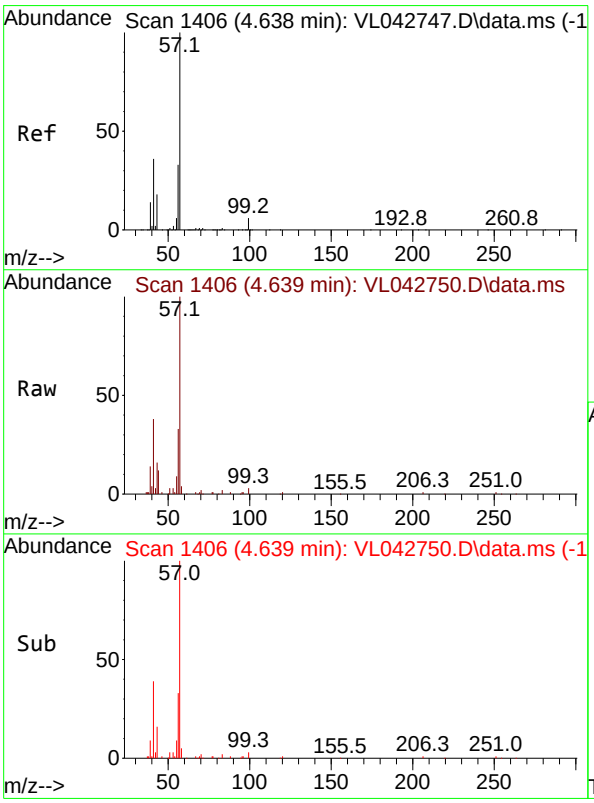
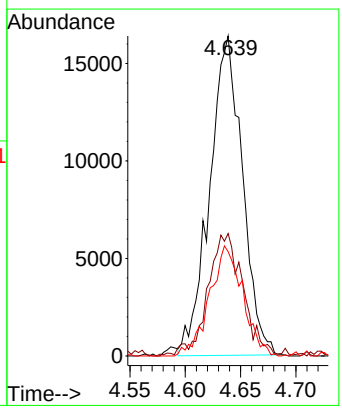
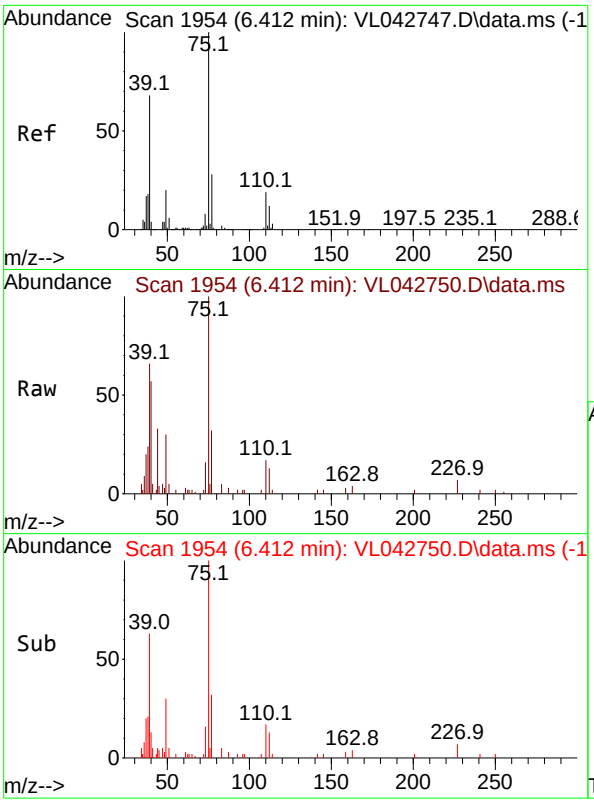


#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853

Ion	Ratio	Lower	Upper
57	100		
41	41.3	28.3	42.5
56	34.7	25.8	38.6

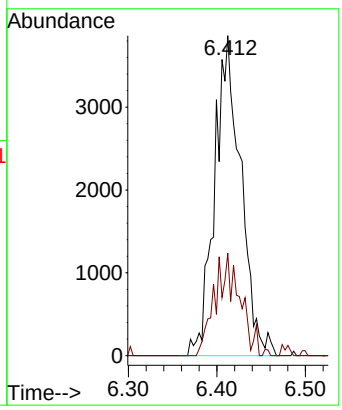




#45
t-1,3-Dichloropropene
Concen: 0.472 ppbv m
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 796

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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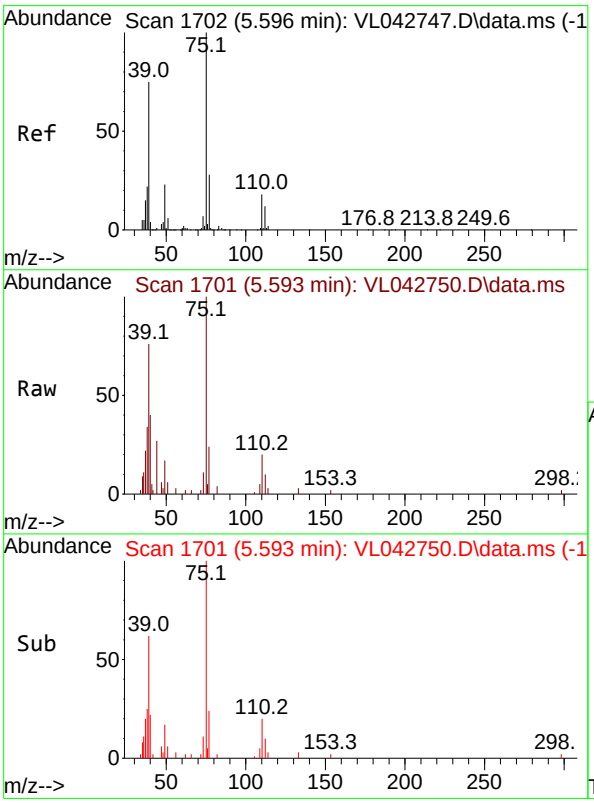
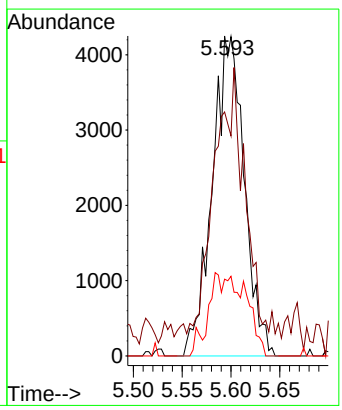
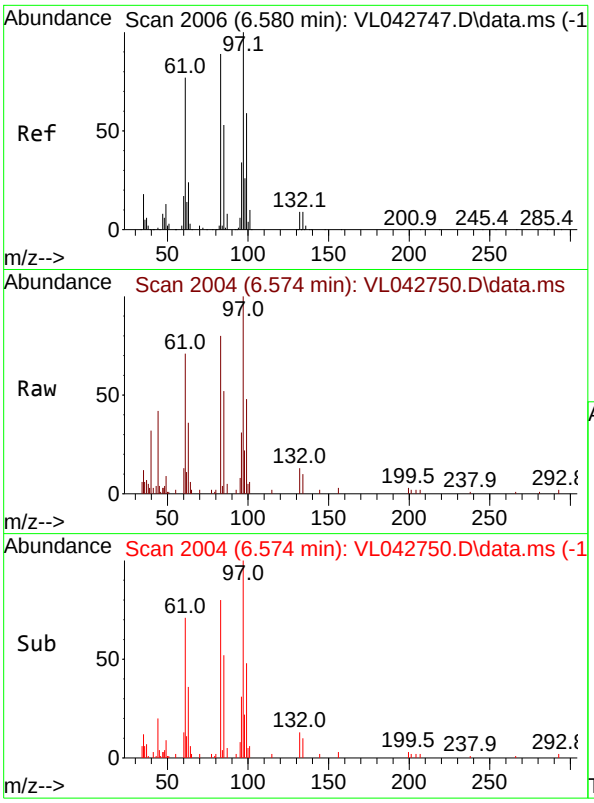


#46
cis-1,3-Dichloropropene
Concen: 0.454 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 9709

Ion	Ratio	Lower	Upper
75	100		
39	76.3	60.2	90.2
77	24.0	22.6	34.0

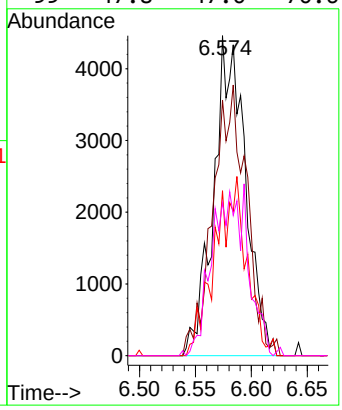




#47
1,1,2-Trichloroethane
Concen: 0.527 ppbv m
RT: 6.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 878

Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.1	106.7
85	51.6	43.0	64.4
99	47.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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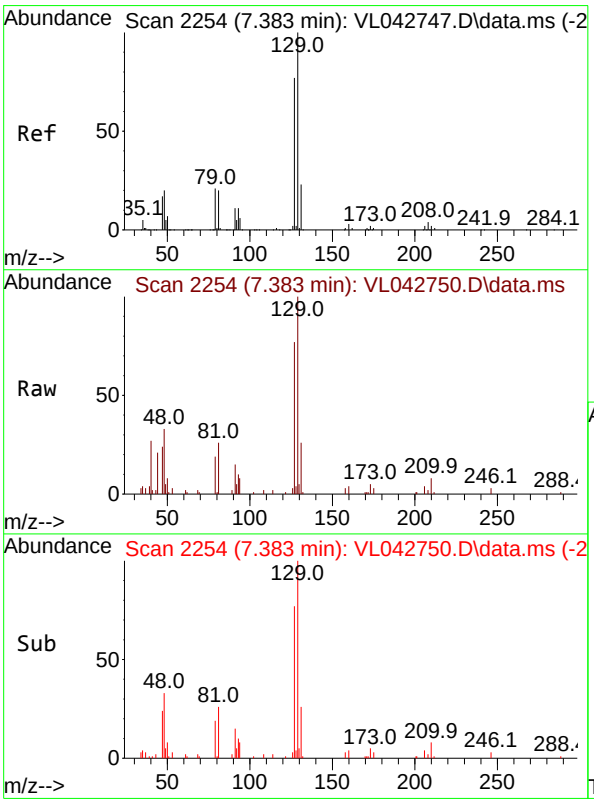
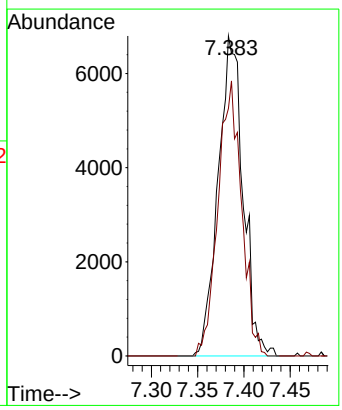
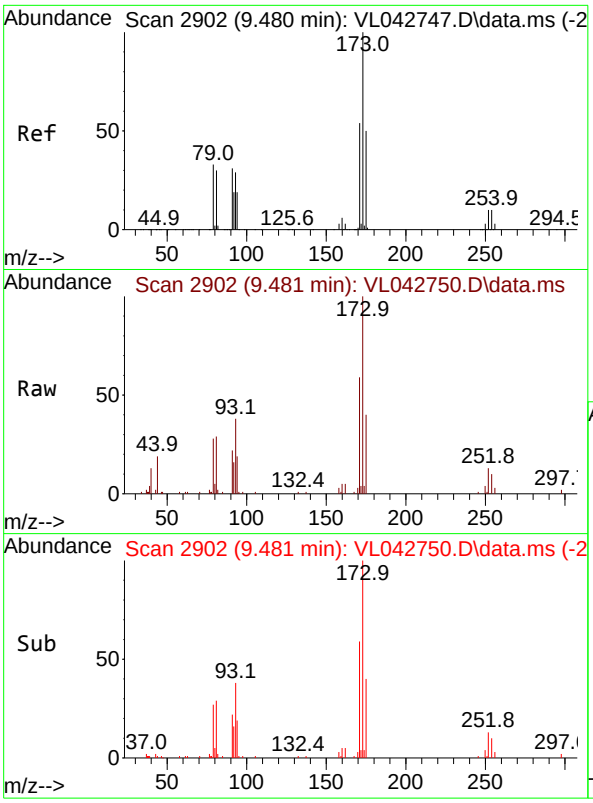


#48
Dibromochloromethane
Concen: 0.481 ppbv m
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:129 Resp: 12723

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.7	116.1

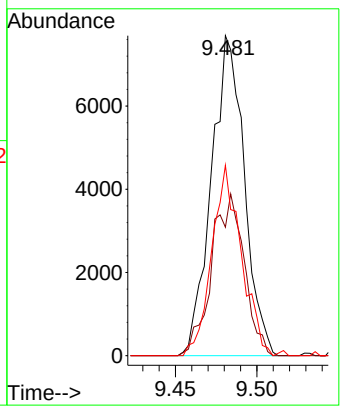




#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:173 Resp: 1080

Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.4	57.6
171	53.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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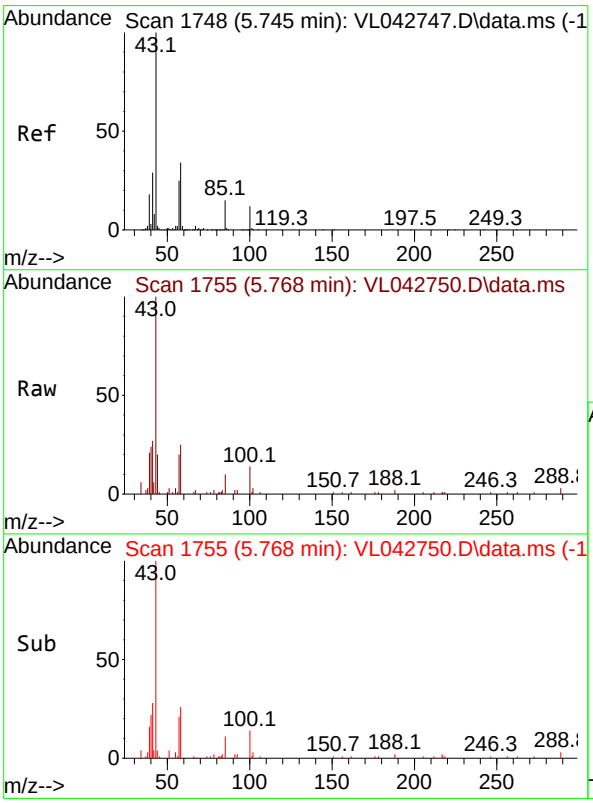
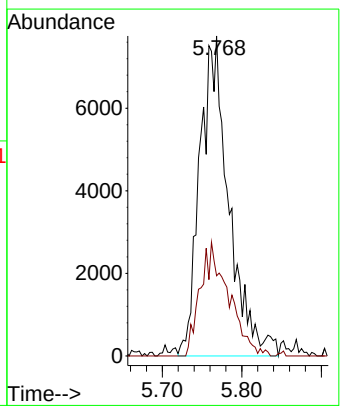
Supervised By :Mahesh Dadoda 07/24/2025

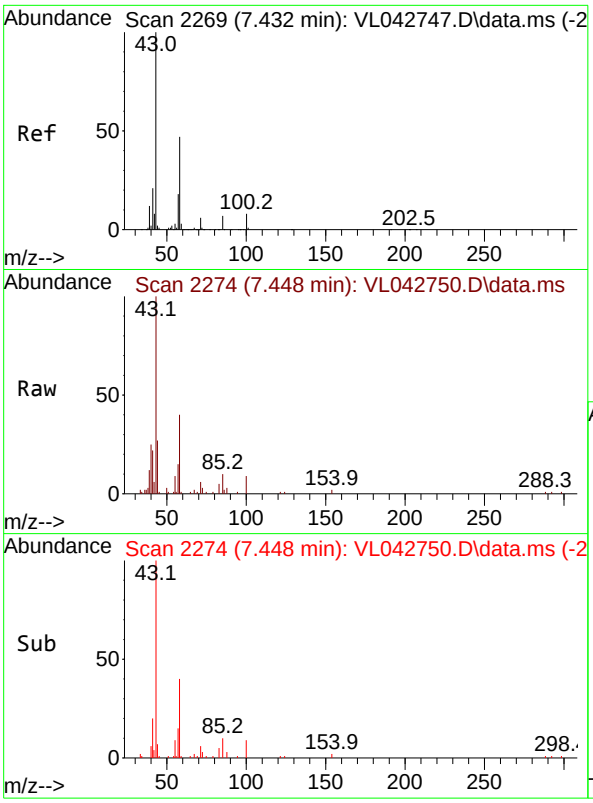


#50
4-Methyl-2-Pentanone
Concen: 0.486 ppbv m
RT: 5.768 min Scan# 1755
Delta R.T. 0.023 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 19575

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#

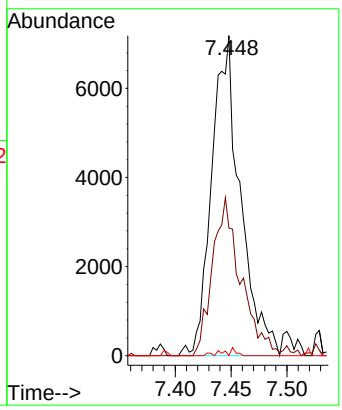




#51
2-Hexanone
Concen: 0.416 ppbv m
RT: 7.448 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1281

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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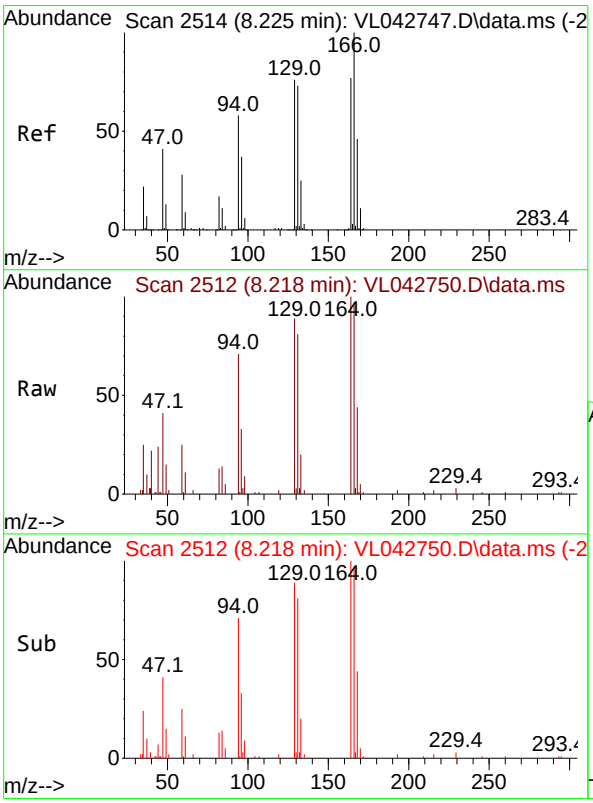
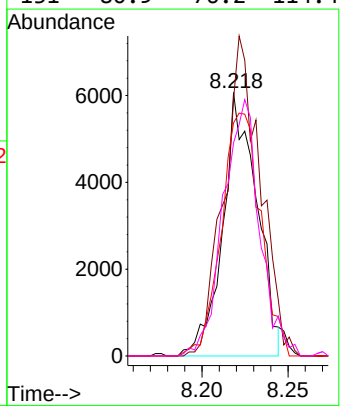
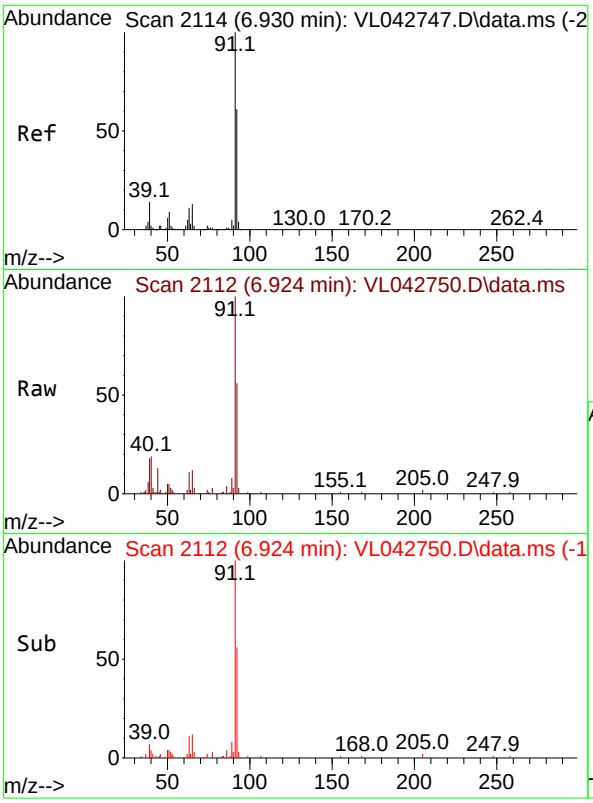


#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:164 Resp: 8359

Ion	Ratio	Lower	Upper
164	100		
166	97.5	104.0	156.0#
129	88.5	79.2	118.8
131	80.9	76.2	114.4

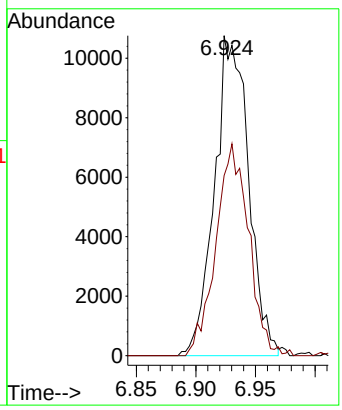




#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2132

Ion	Ratio	Lower	Upper
91	100		
92	63.9	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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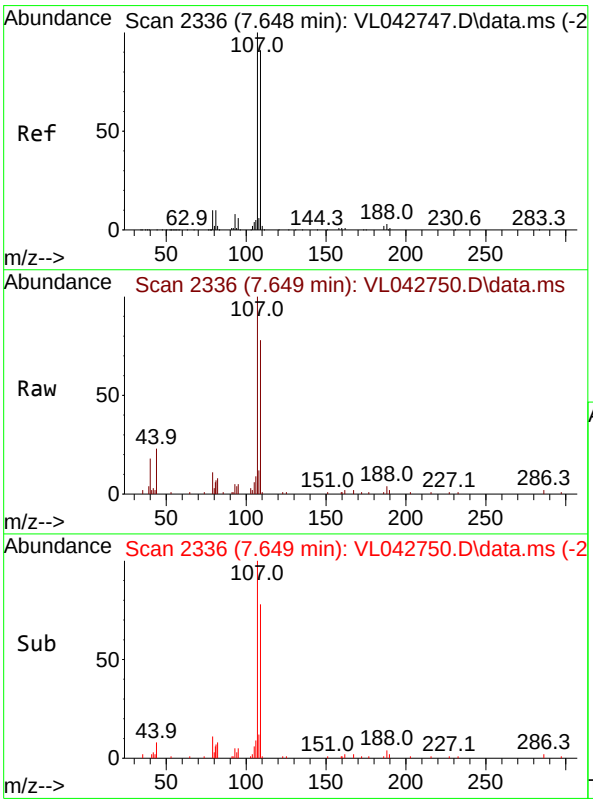
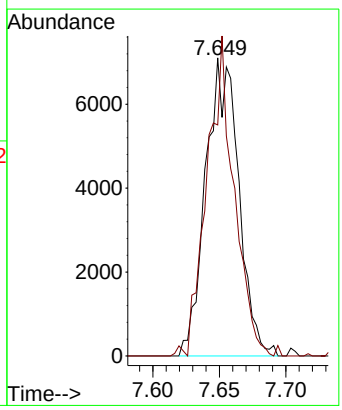
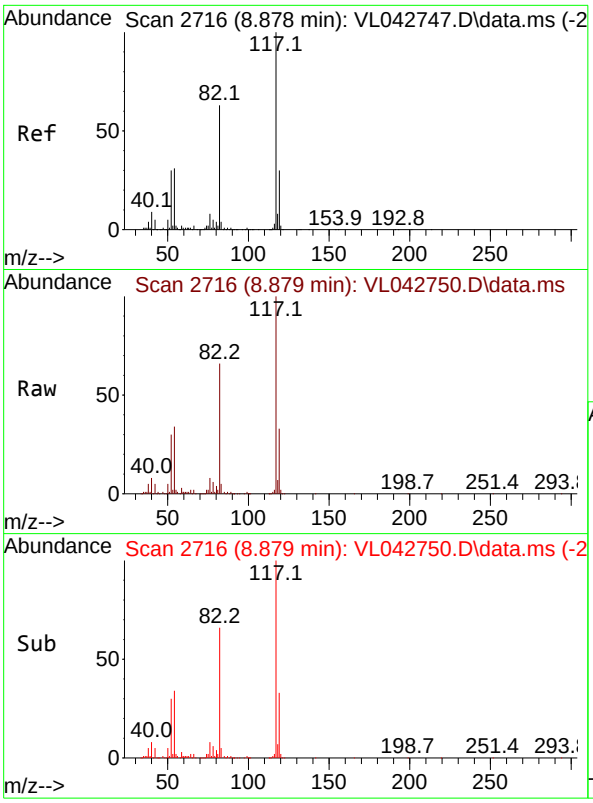


#54
1,2-Dibromoethane
Concen: 0.521 ppbv m
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:107 Resp: 12294

Ion	Ratio	Lower	Upper
107	100		
109	77.5	72.7	109.1

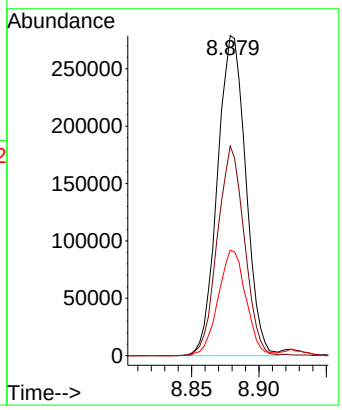




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:117 Resp: 40862

Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.3	79.9
119	32.3	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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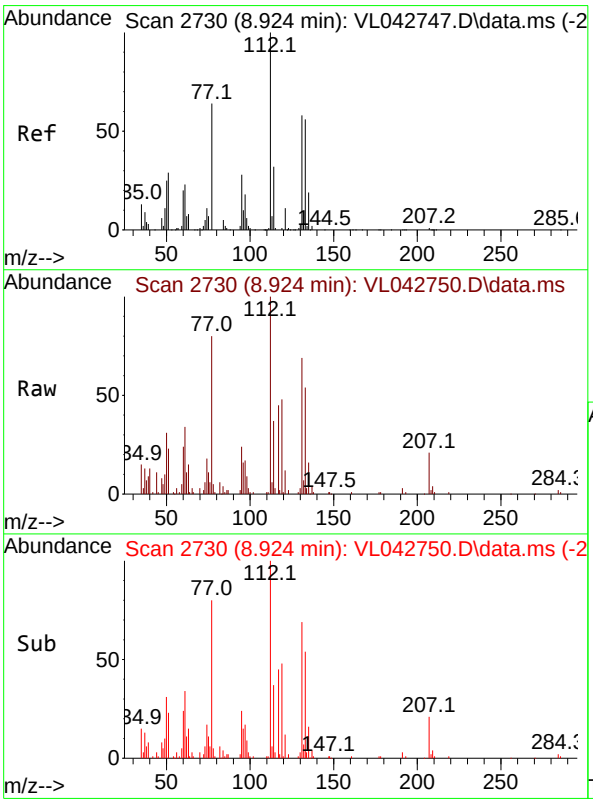
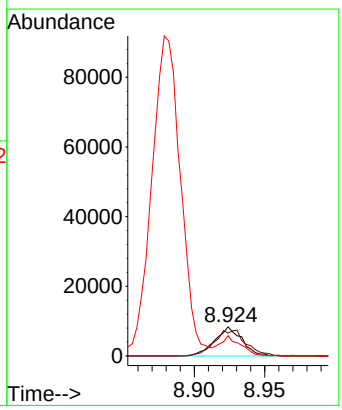
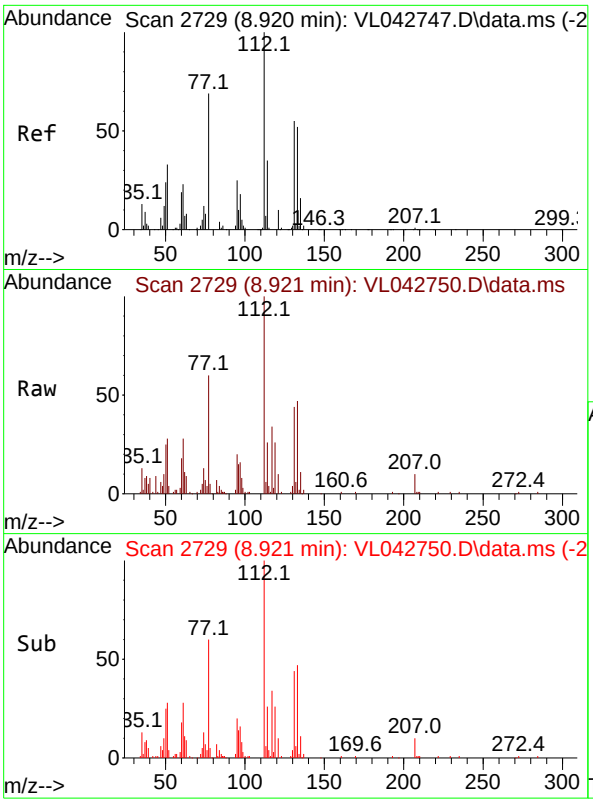


#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:131 Resp: 11191

Ion	Ratio	Lower	Upper
131	100		
133	104.0	76.8	115.2
119	1231.3	49.7	74.5#

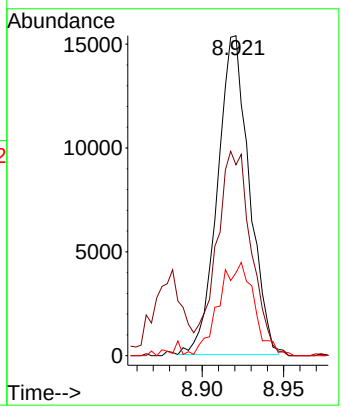




#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:112 Resp: 2082

Ion	Ratio	Lower	Upper
112	100		
77	58.4	56.4	84.6
114	23.8	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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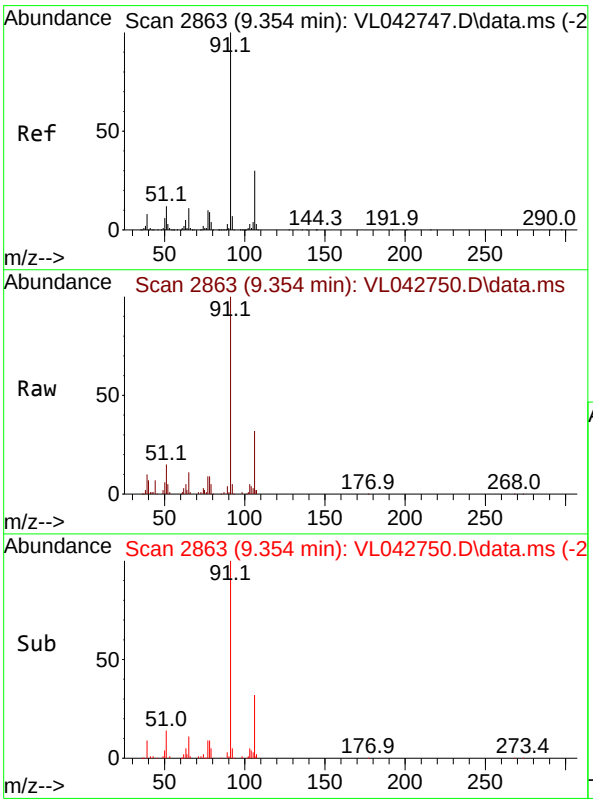
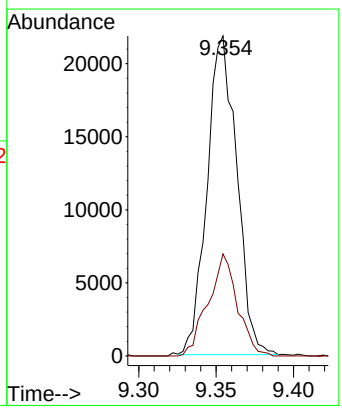
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

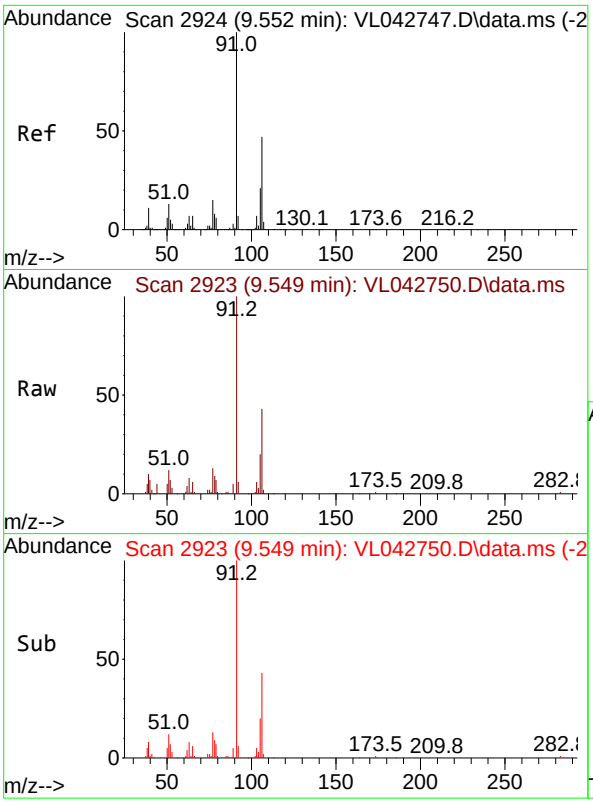


#58
Ethyl Benzene
Concen: 0.451 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29134

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.8	35.6

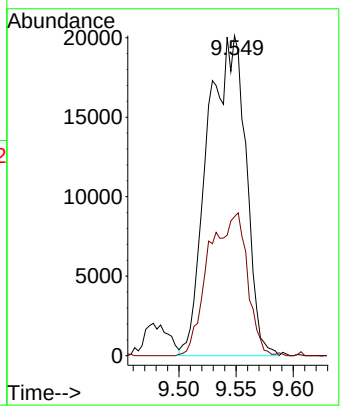




#59
m/p-Xylene
Concen: 0.912 ppbv m
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 4702

Ion	Ratio	Lower	Upper
91	100		
106	44.9	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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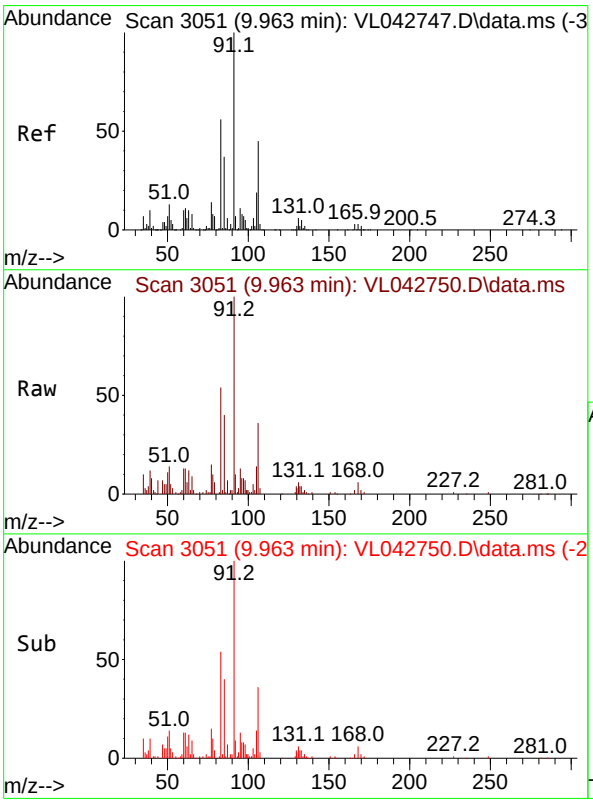
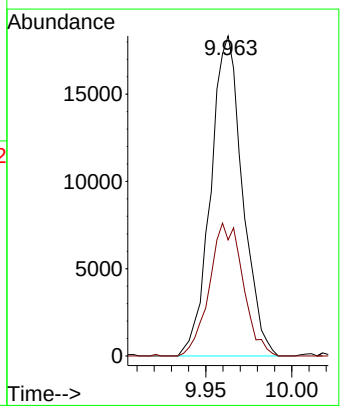
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

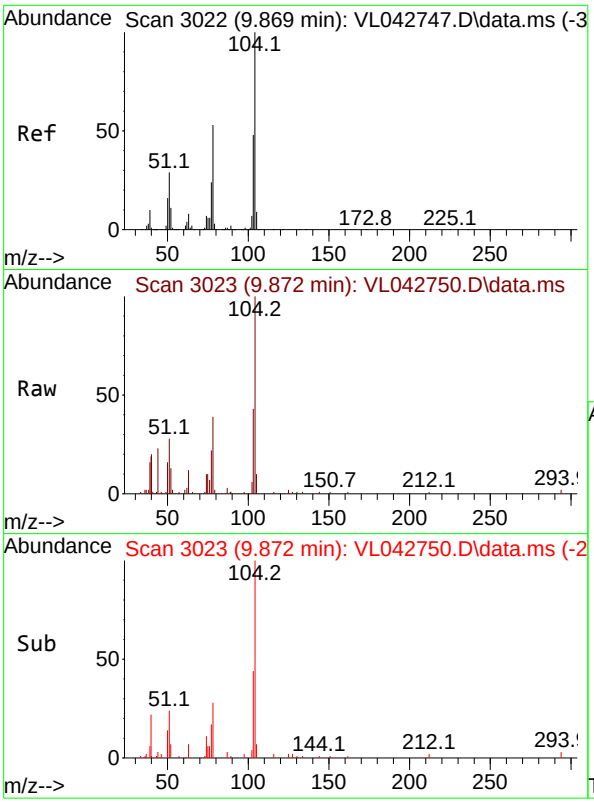


#60
o-Xylene
Concen: 0.458 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 23603

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.0	66.0

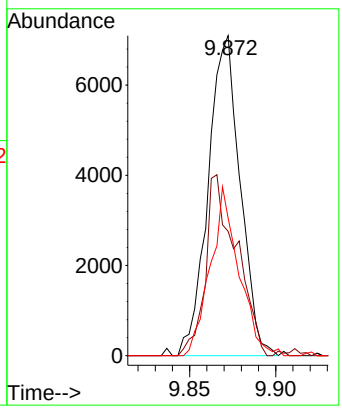




#61
Styrene
Concen: 0.424 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:104 Resp: 919

Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.5	62.3
103	47.0	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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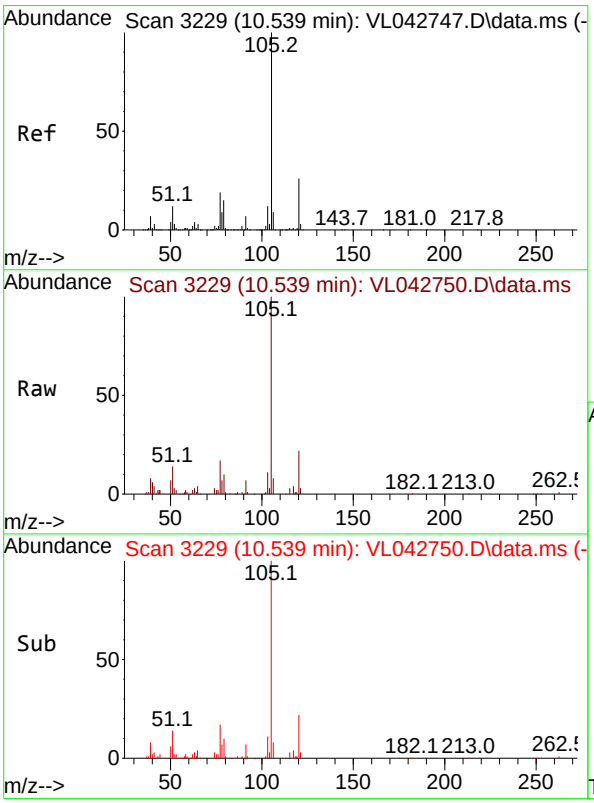
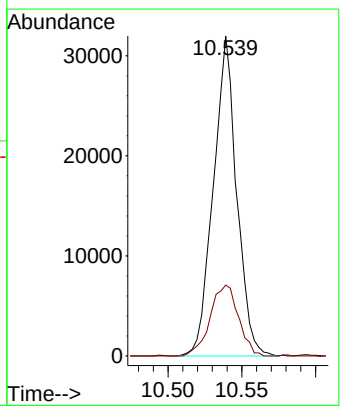
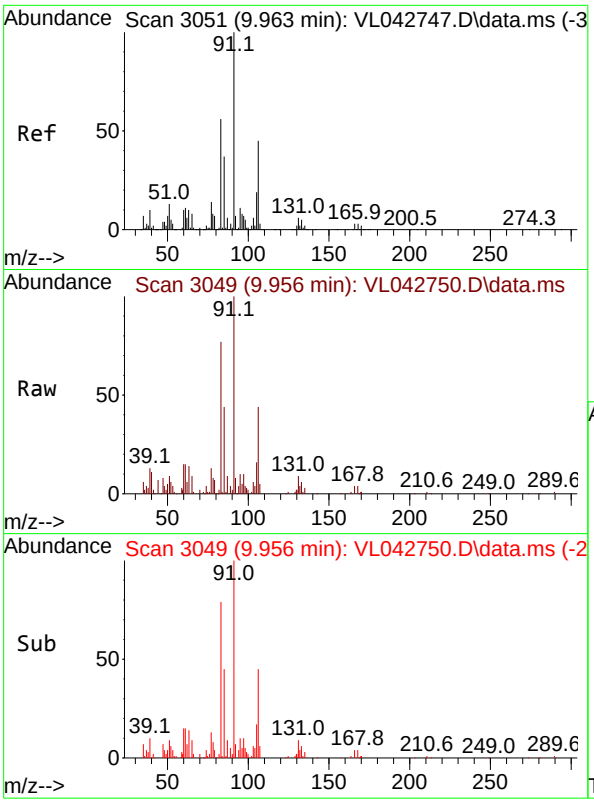


#62
Isopropylbenzene
Concen: 0.463 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 35189

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.5	30.7

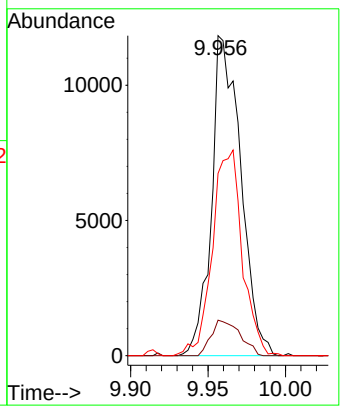




#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 1554

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	66.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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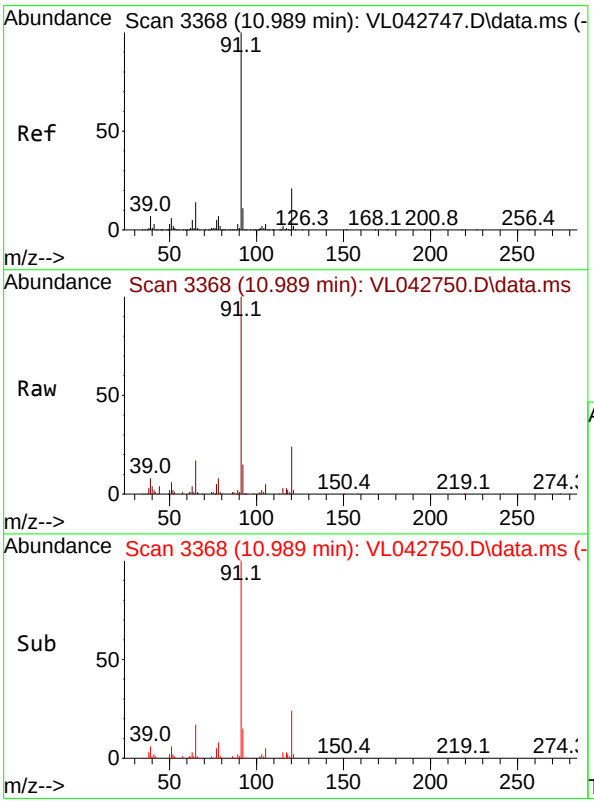
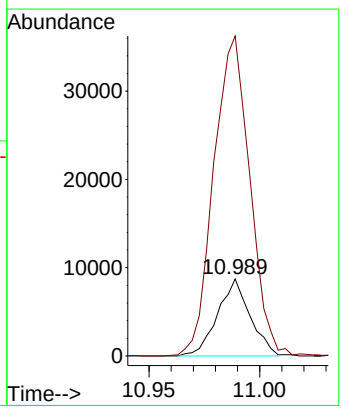
Supervised By :Mahesh Dadoda 07/24/2025

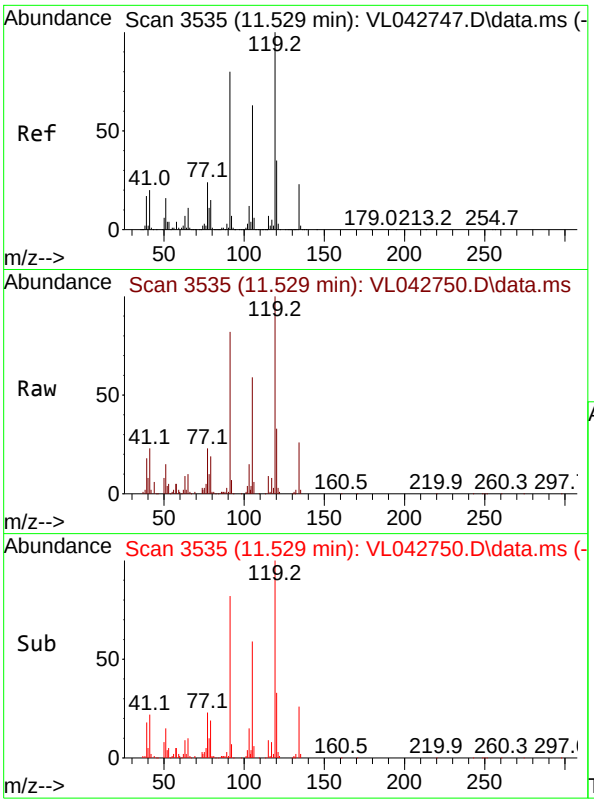


#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:120 Resp: 8924

Ion	Ratio	Lower	Upper
120	100		
91	464.1	372.7	559.1

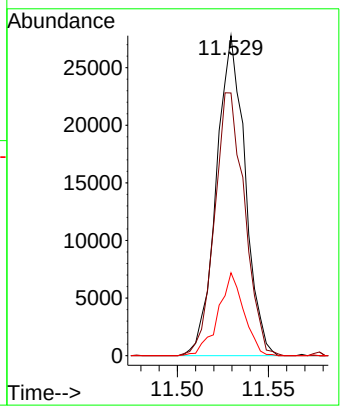




#65
tert-Butylbenzene
Concen: 0.453 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:119 Resp: 3056

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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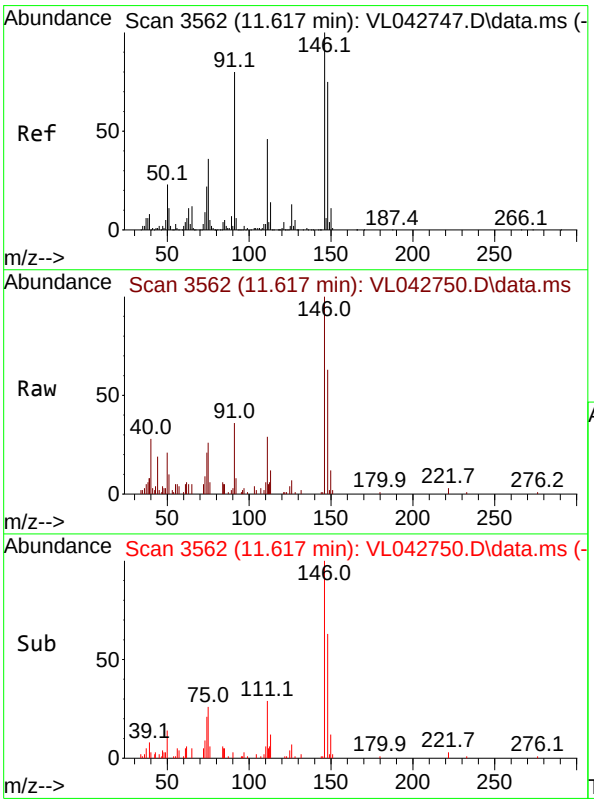
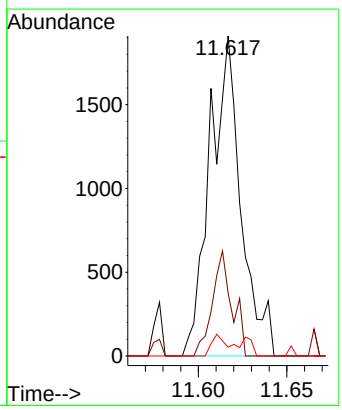
Supervised By :Mahesh Dadoda 07/24/2025

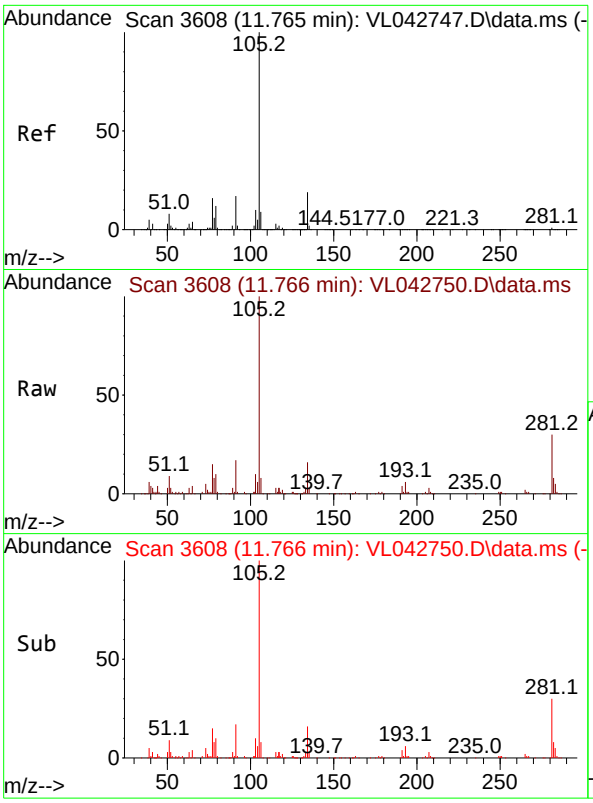


#66
Benzyl Chloride
Concen: 0.421 ppbv m
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2336

Ion	Ratio	Lower	Upper
91	100		
126	20.8	14.4	21.6
128	5.6	5.2	7.8

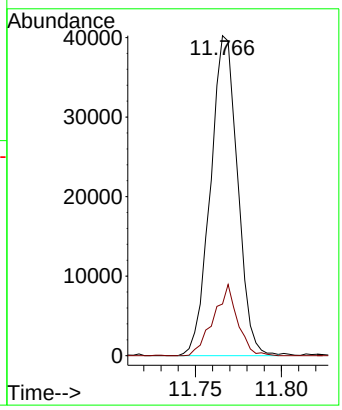




#67
sec-Butylbenzene
Concen: 0.460 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 4416

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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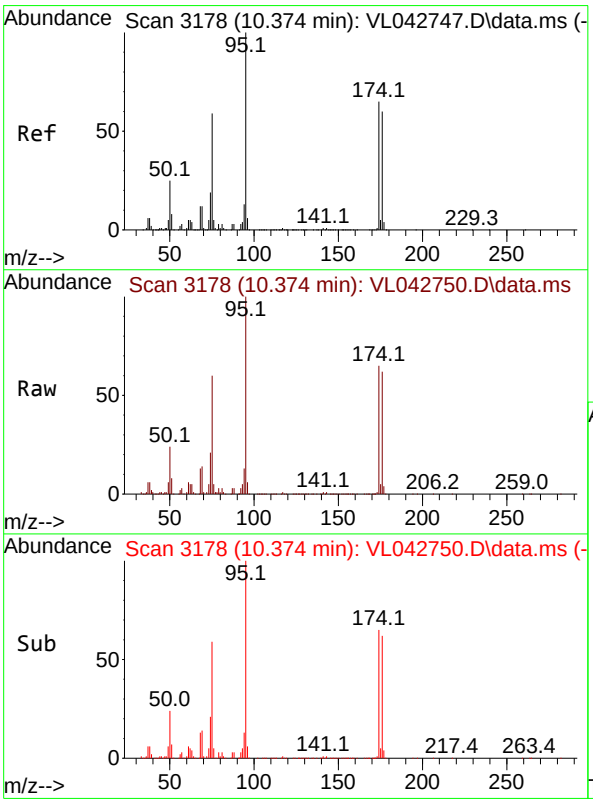
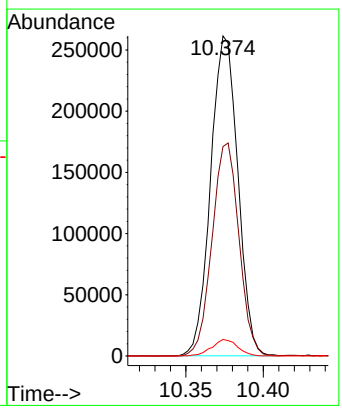
Supervised By :Mahesh Dadoda 07/24/2025

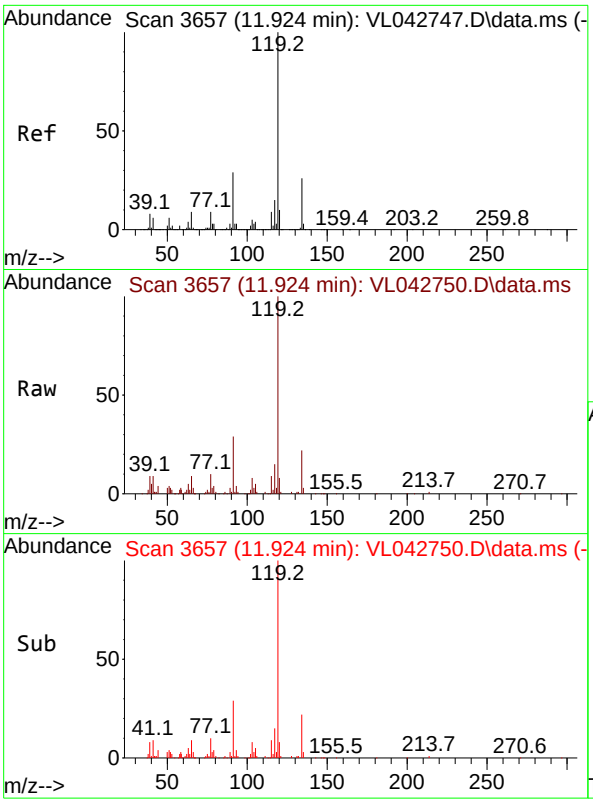


#68
1-Bromo-4-Fluorobenzene
Concen: 9.869 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 95 Resp: 319353

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	4.9	4.0	6.0

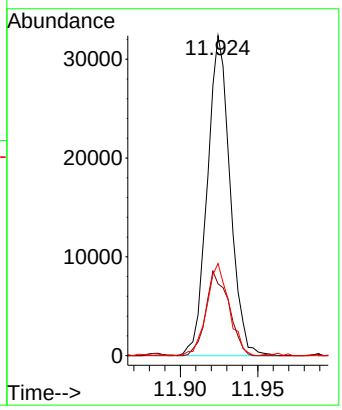




#69
p-Isopropyltoluene
Concen: 0.423 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:119 Resp: 3310

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.6	31.0
91	28.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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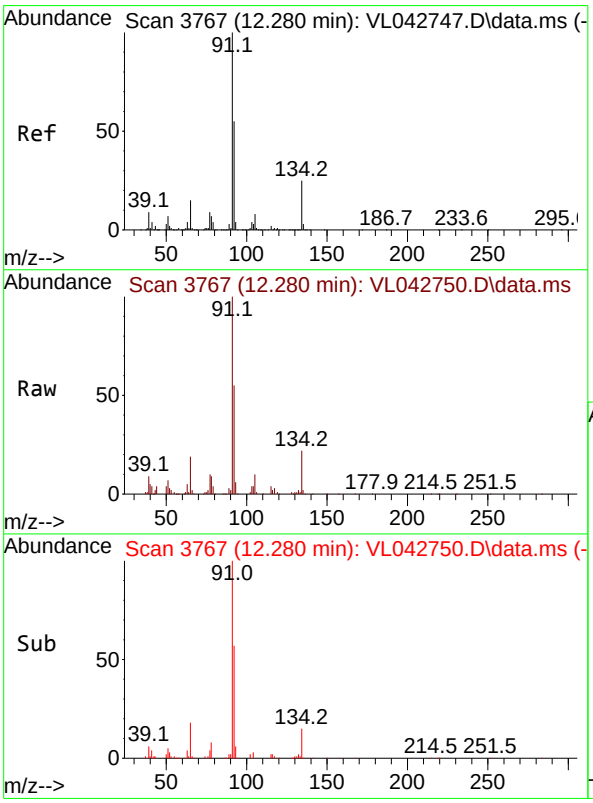
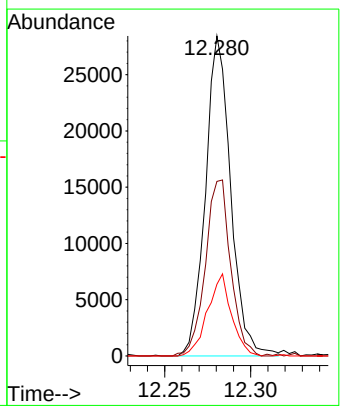
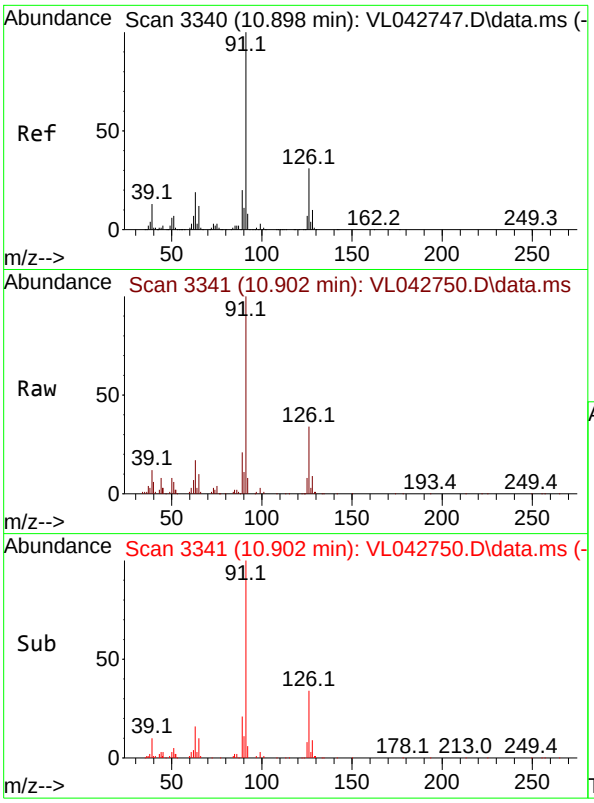


#70
n-Butylbenzene
Concen: 0.384 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29048

Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.4	65.2
134	24.3	19.6	29.4

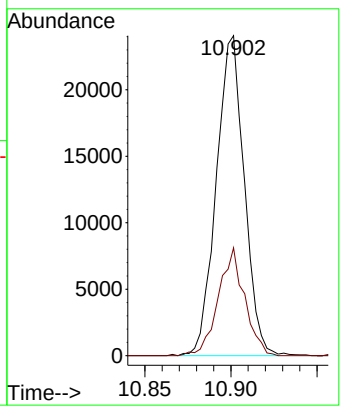




#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2718

Ion	Ratio	Lower	Upper
91	100		
126	31.7	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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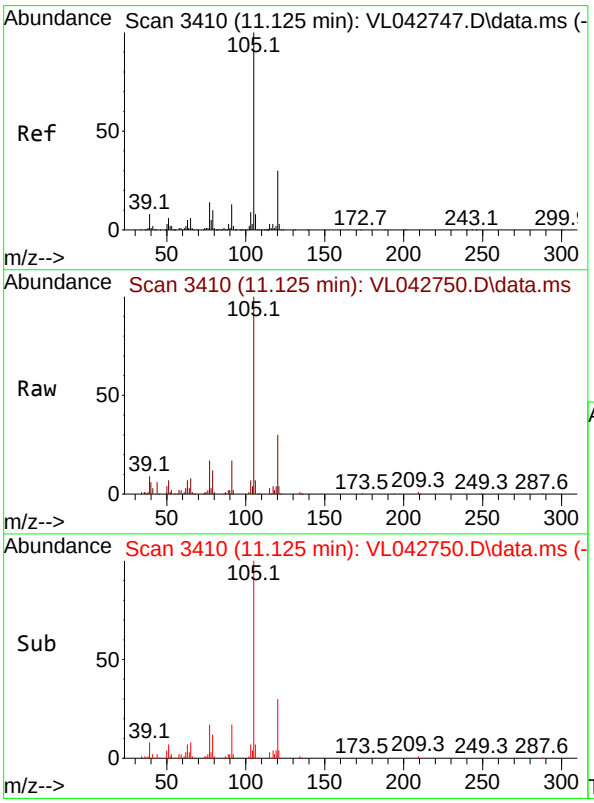
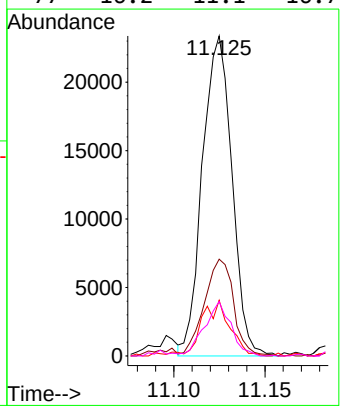
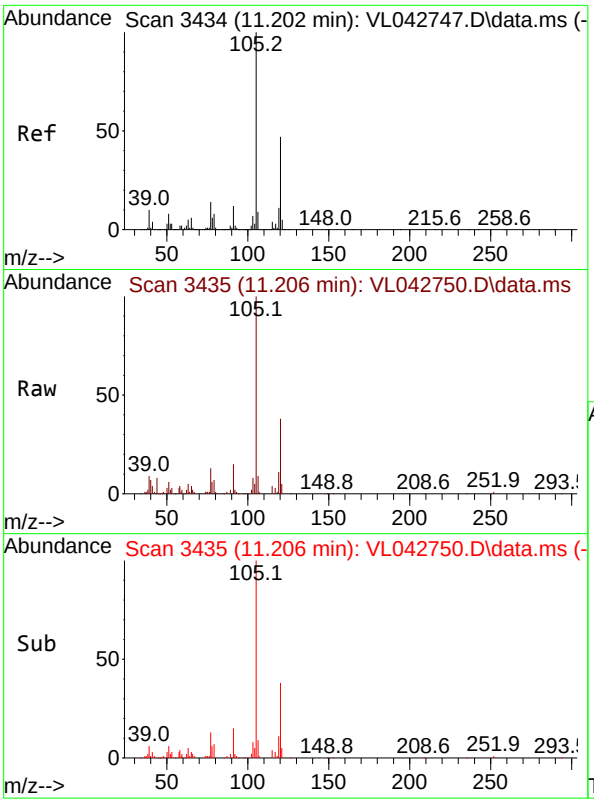


#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 26395

Ion	Ratio	Lower	Upper
105	100		
120	31.6	24.4	36.6
91	17.0	10.6	15.8#
77	16.2	11.1	16.7

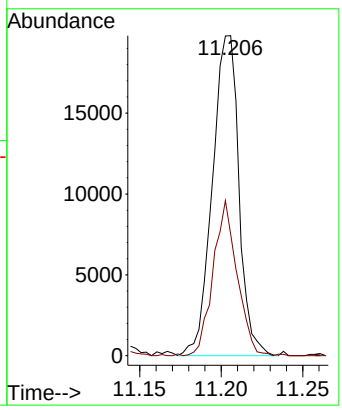




#73
1,3,5-Trimethylbenzene
Concen: 0.442 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 2239

Ion	Ratio	Lower	Upper
105	100		
120	37.5	37.8	56.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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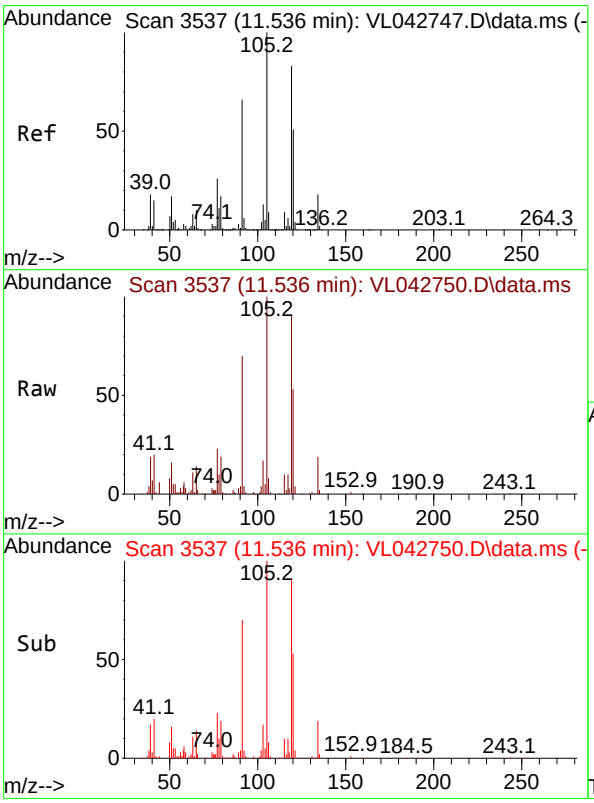
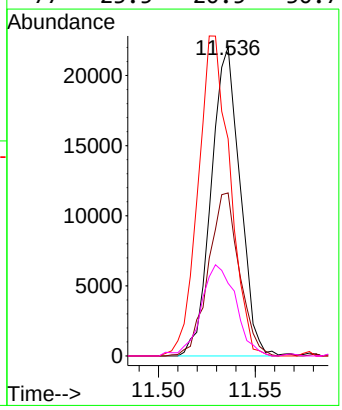
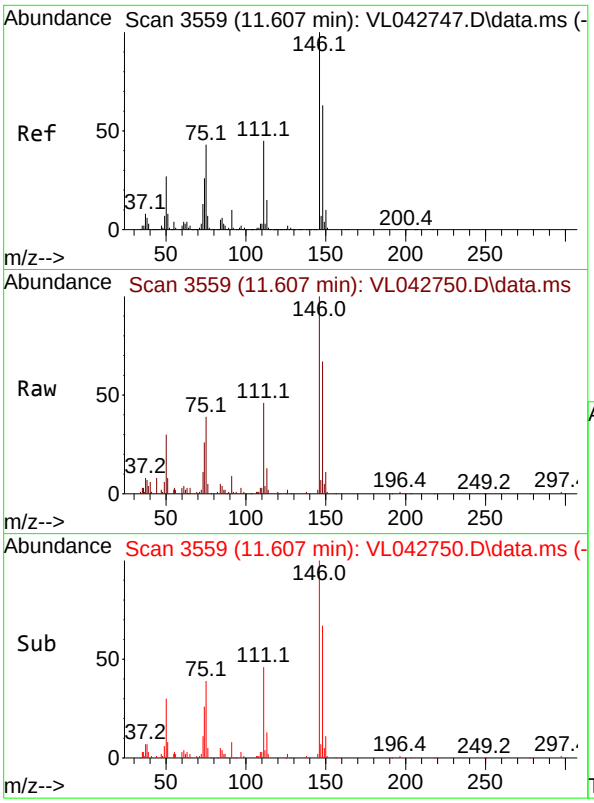


#74
1,2,4-Trimethylbenzene
Concen: 0.412 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

Ion	Ratio	Lower	Upper
105	100		
120	52.7	40.8	61.2
91	70.3	53.0	79.4
77	23.5	20.5	30.7

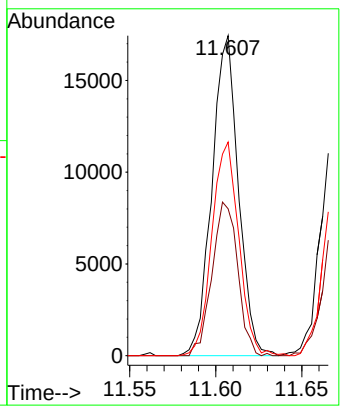




#75
1,3-Dichlorobenzene
Concen: 0.482 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 1868

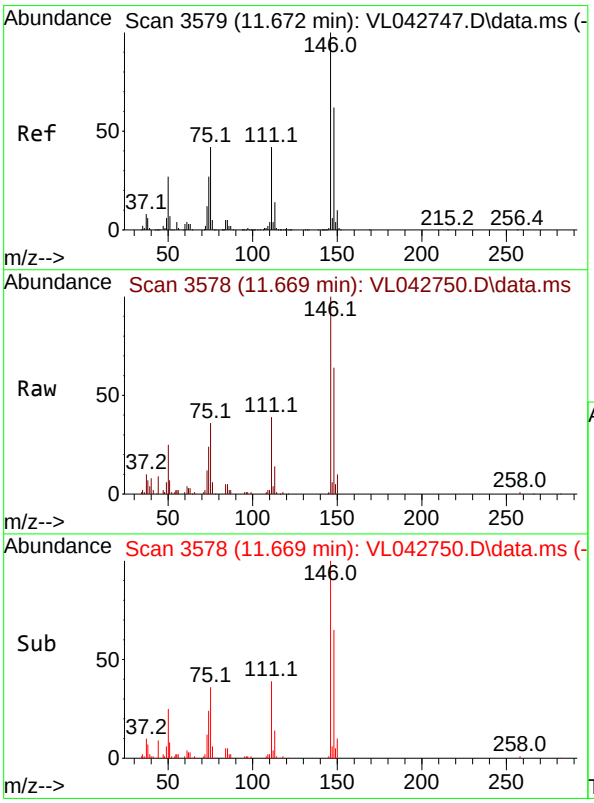
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.7	68.0
148	67.7	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

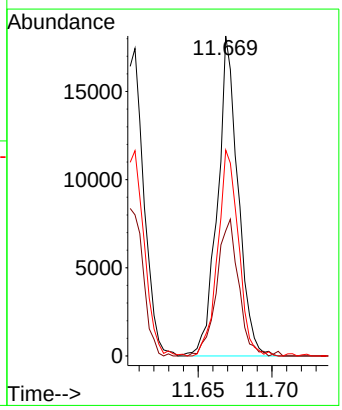
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

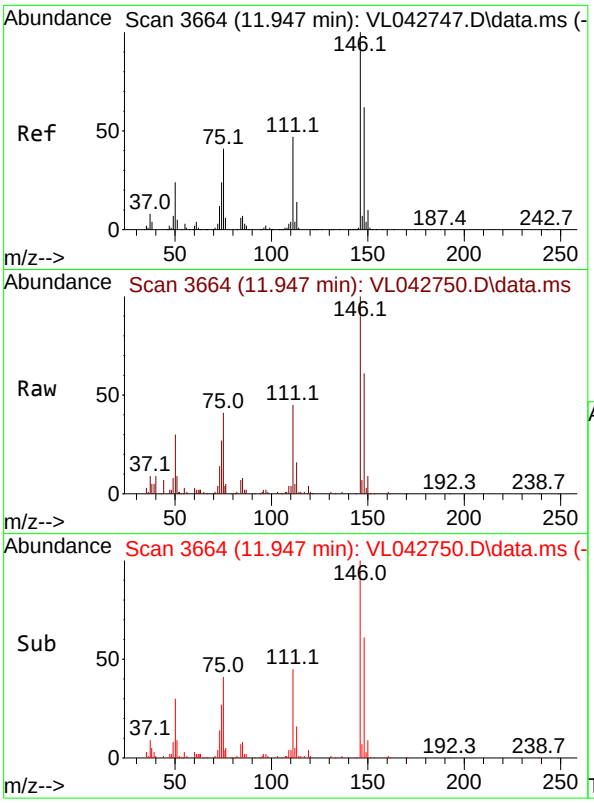


#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	65.4	32.1	96.3

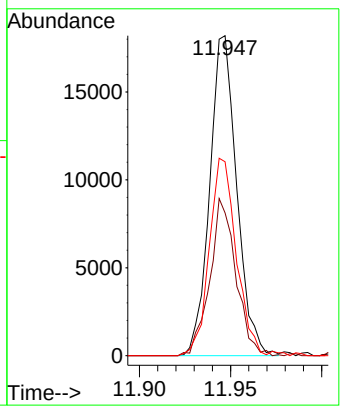




#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 1879

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.7	71.1
148	62.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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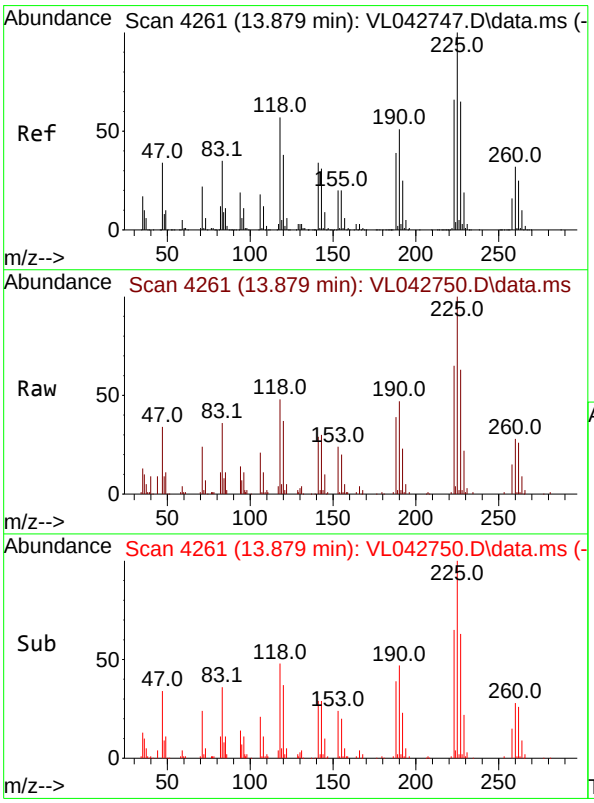
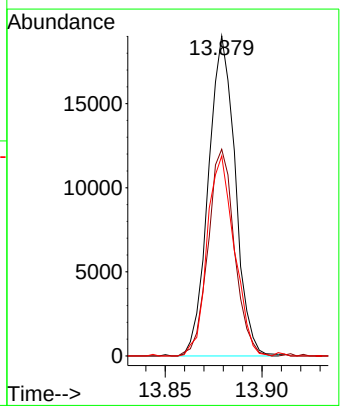
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

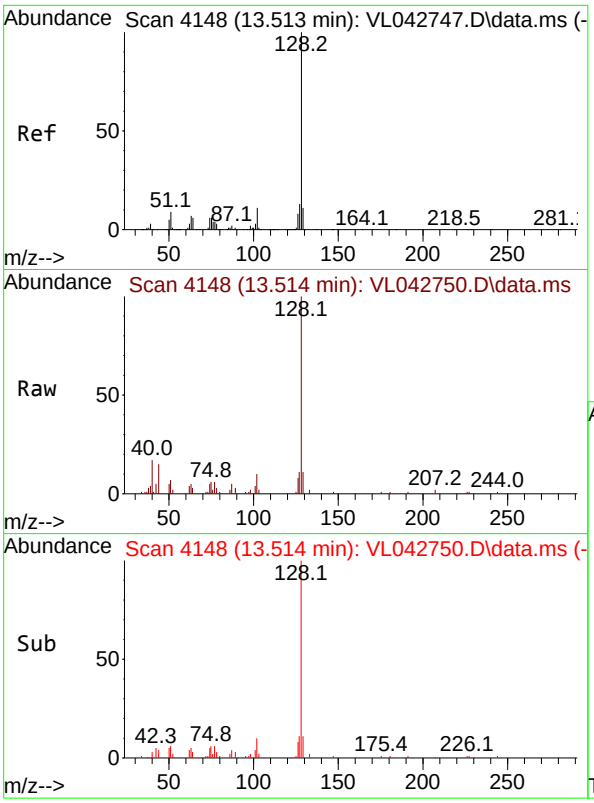


#78
Hexachloro-1,3-Butadiene
Concen: 0.532 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:225 Resp: 18330

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.7	76.1
227	63.7	50.5	75.7

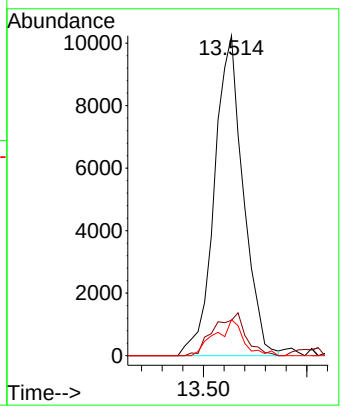




#79
Naphthalene
Concen: 0.592 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:128 Resp: 991

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.2	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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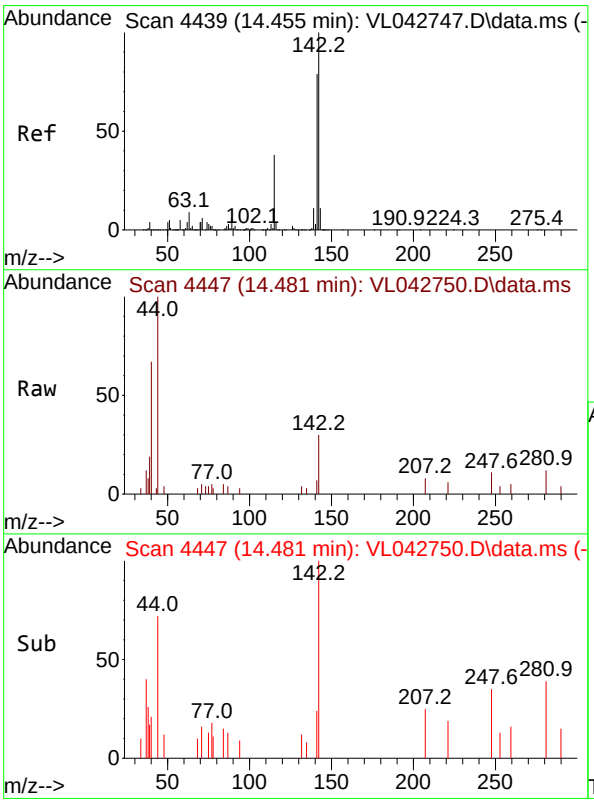
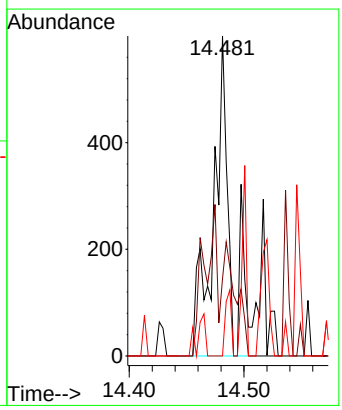
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

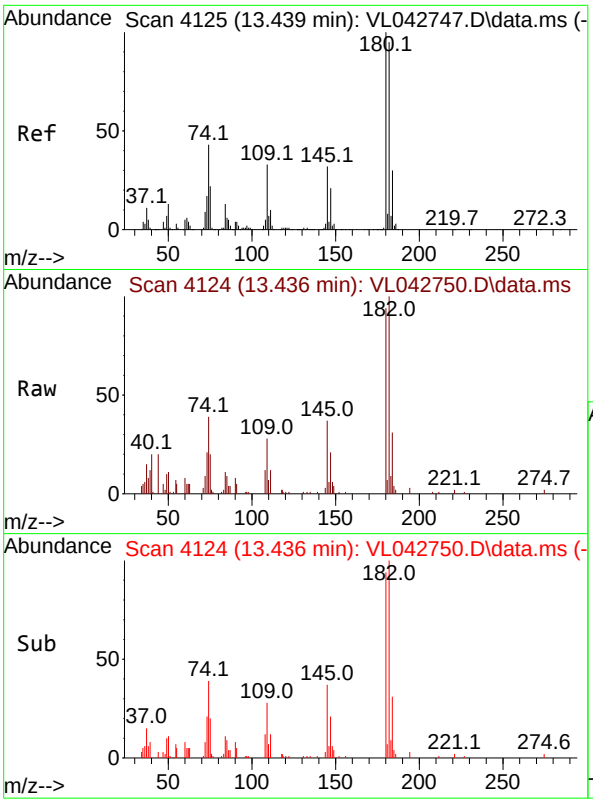


#80
Naphthalene,2-methyl-
Concen: 1.148 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:142 Resp: 731

Ion	Ratio	Lower	Upper
142	100		
141	54.6	65.8	98.8#
115	5.2	31.2	46.8#

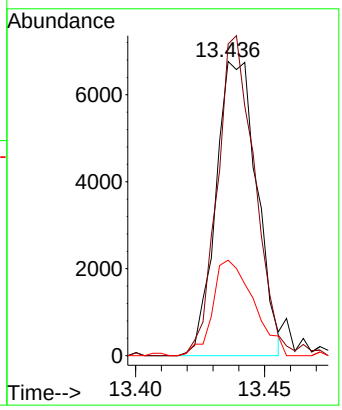




#81
1,2,4-Trichlorobenzene
Concen: 0.645 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:180 Resp: 745

Ion	Ratio	Lower	Upper
180	100		
182	100.9	76.2	114.2
184	33.0	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	376	0.047	ppbv	# 68
32) 1,1,1-Trichloroethane	3.366	97	1149m	0.035	ppbv	
35) Carbon Tetrachloride	3.755	117	1233m	0.038	ppbv	
38) Trichloroethene	4.535	130	664m	0.034	ppbv	
52) Tetrachloroethene	8.215	164	654m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1285m	0.040	ppbv	

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

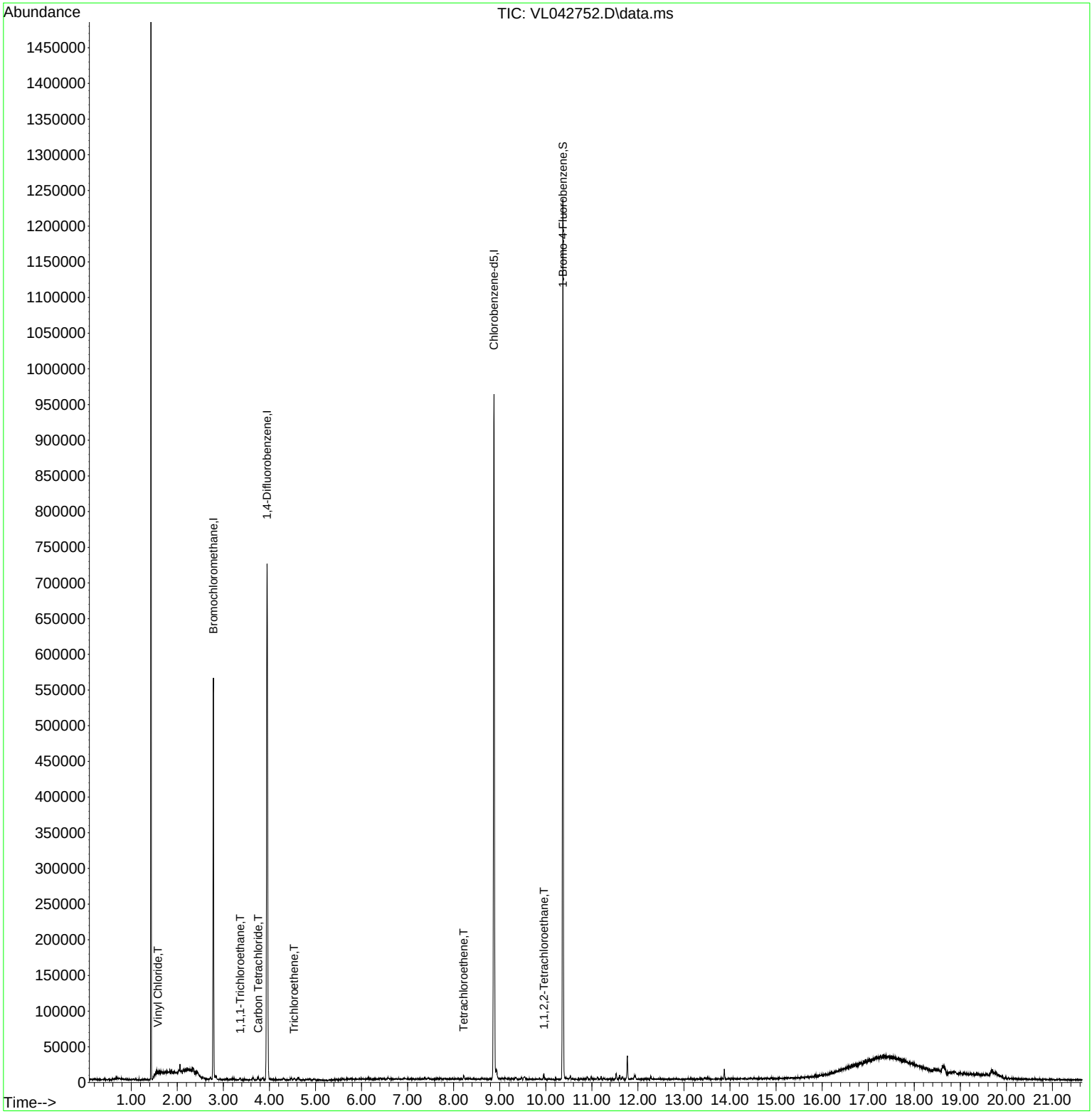
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

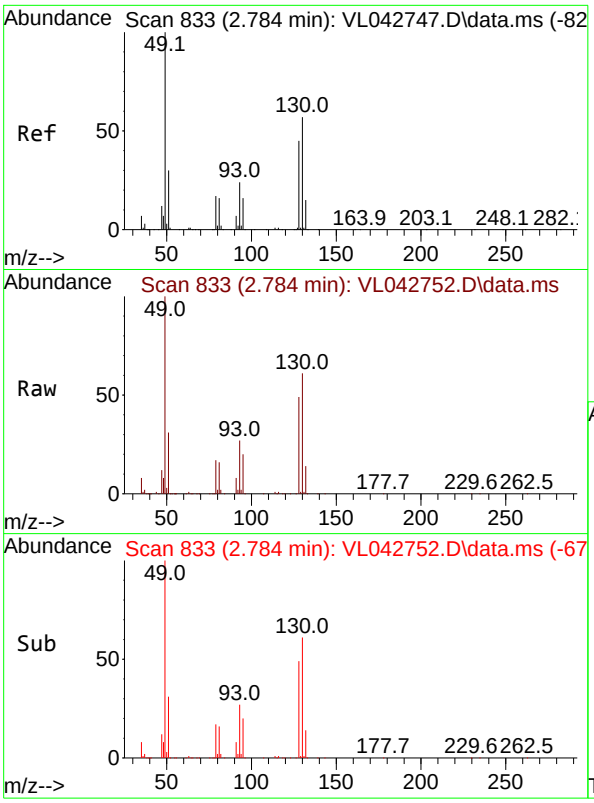
Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

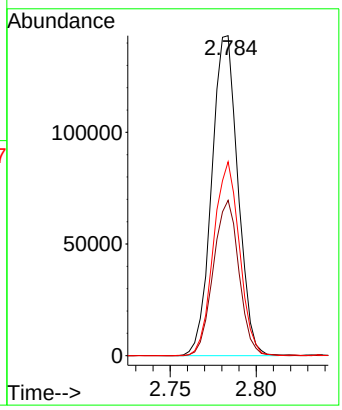




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 49 Resp: 15183

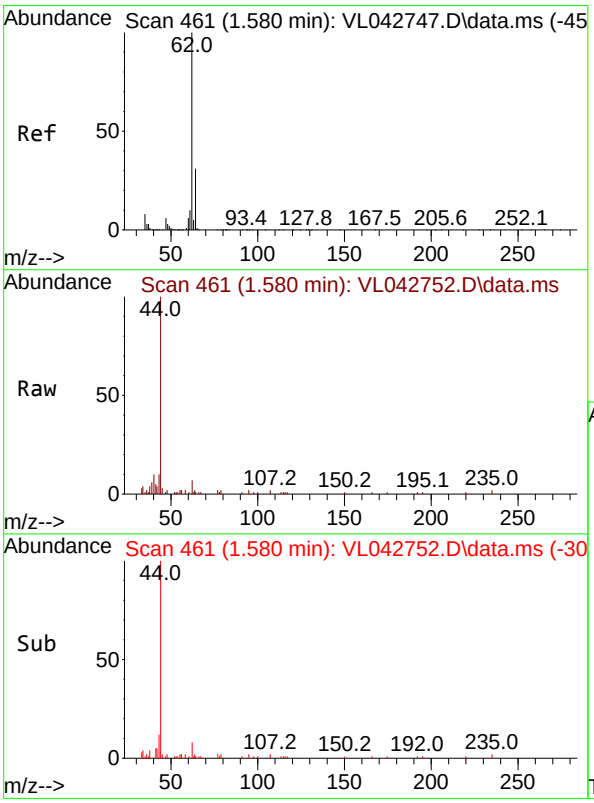
Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.6	71.0
130	60.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

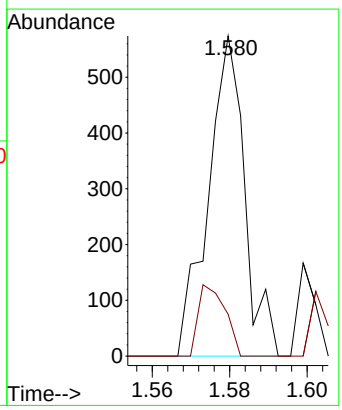
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

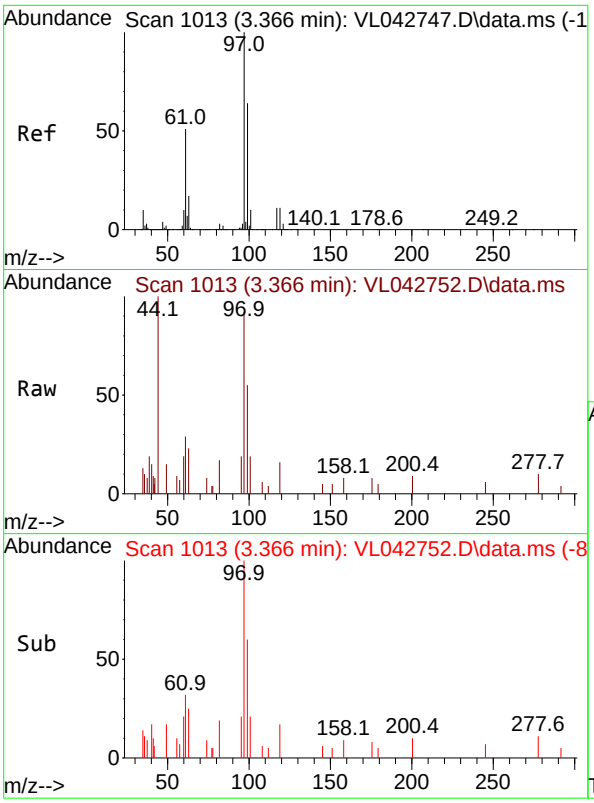


#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 62 Resp: 376

Ion	Ratio	Lower	Upper
62	100		
64	13.1	24.5	36.7#

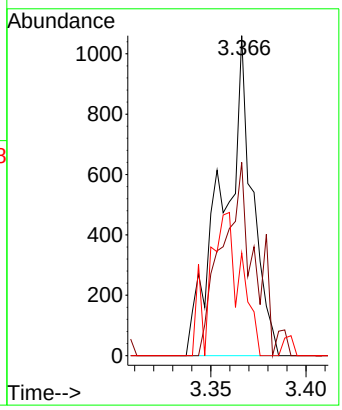




#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 3.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 97 Resp: 114

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	48.9	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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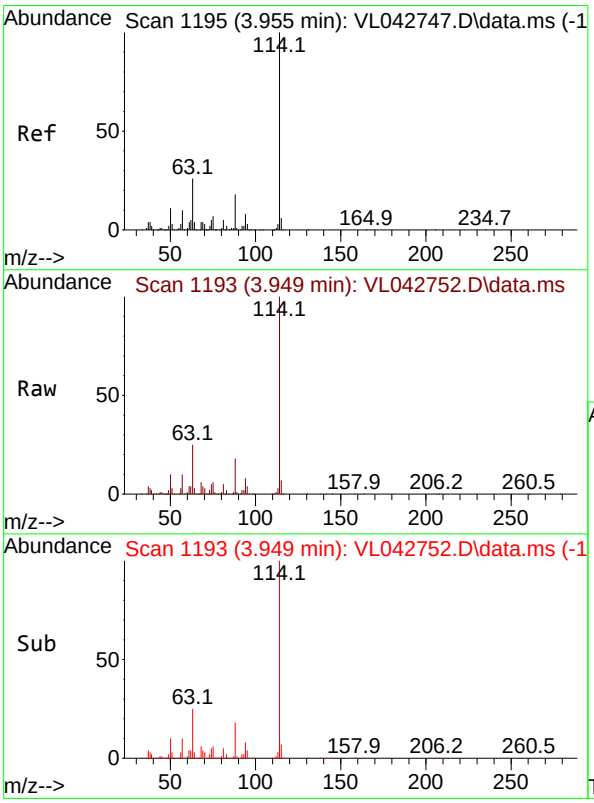
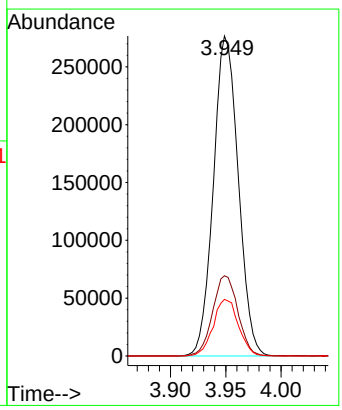
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

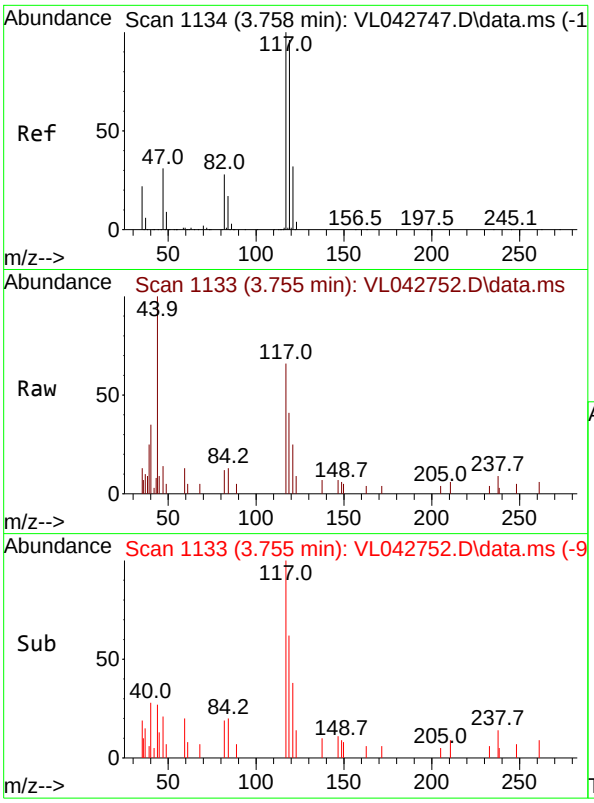


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:114 Resp: 432802

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0

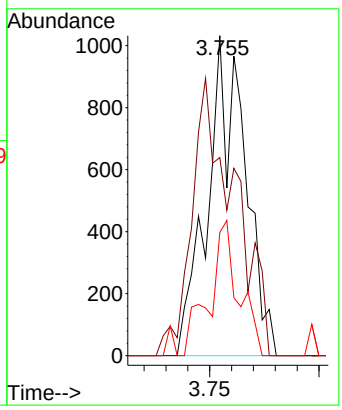




#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:117 Resp: 123

Ion	Ratio	Lower	Upper
117	100		
119	61.9	77.1	115.7#
121	38.5	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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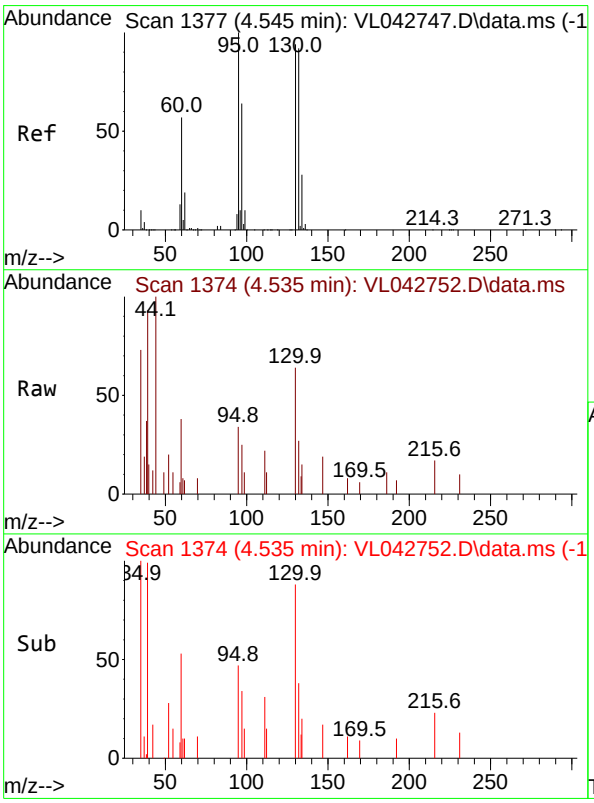
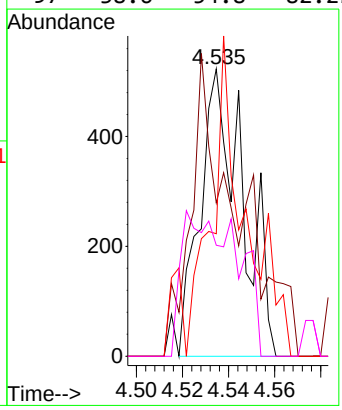
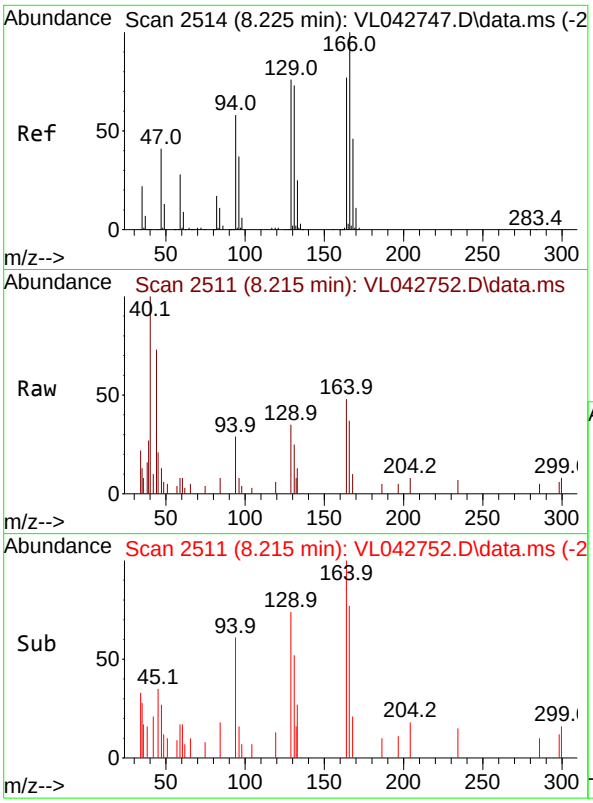


#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.535 min Scan# 1374
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:130 Resp: 664

Ion	Ratio	Lower	Upper
130	100		
95	53.3	85.4	128.2#
132	42.6	78.2	117.2#
97	38.6	54.8	82.2#

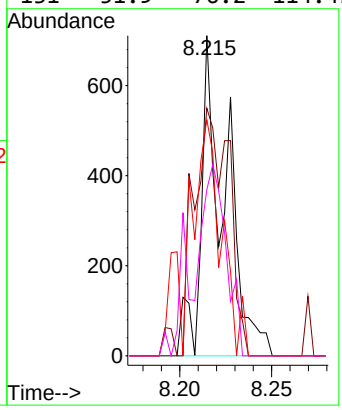




#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 8.215 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:164 Resp: 65

Ion	Ratio	Lower	Upper
164	100		
166	77.4	104.0	156.0#
129	73.7	79.2	118.8#
131	51.9	76.2	114.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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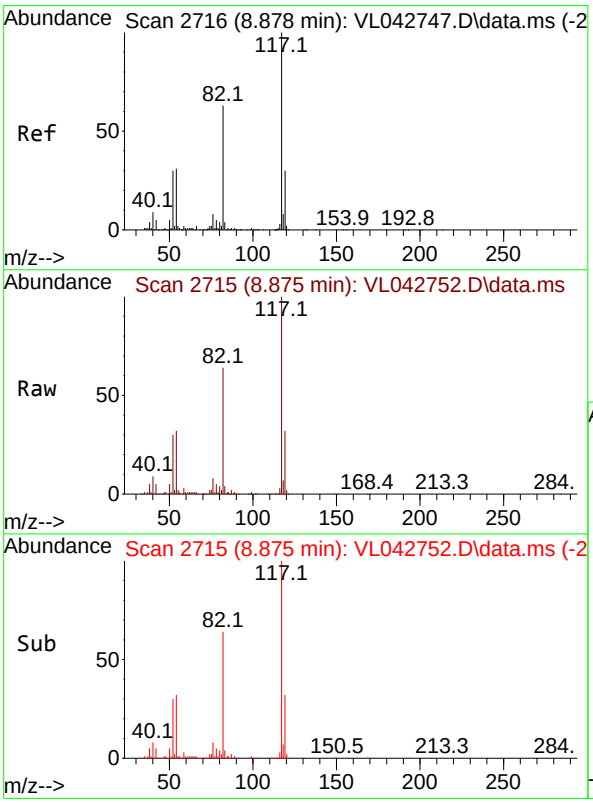
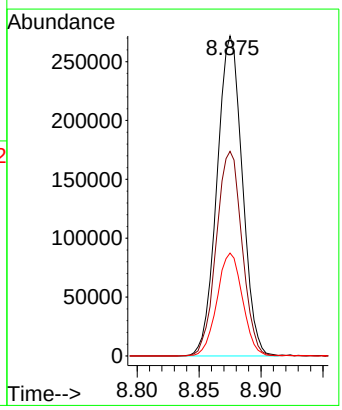
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

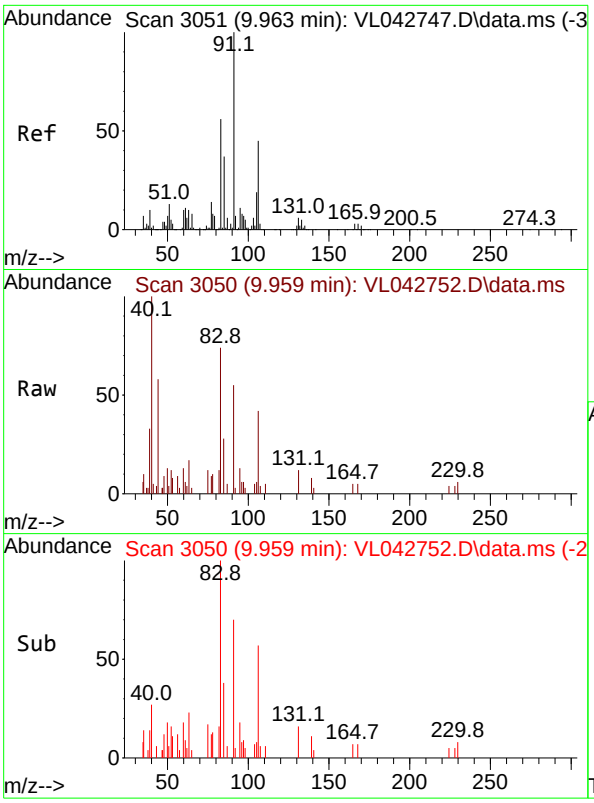


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:117 Resp: 387541

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.3	79.9
119	32.6	25.8	38.6

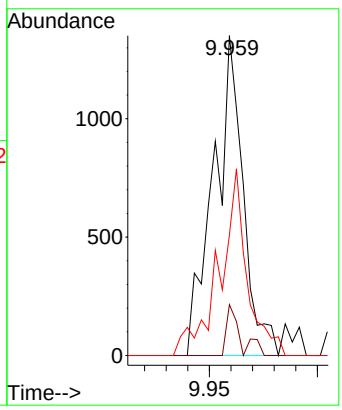




#63
1,1,2,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 83 Resp: 128

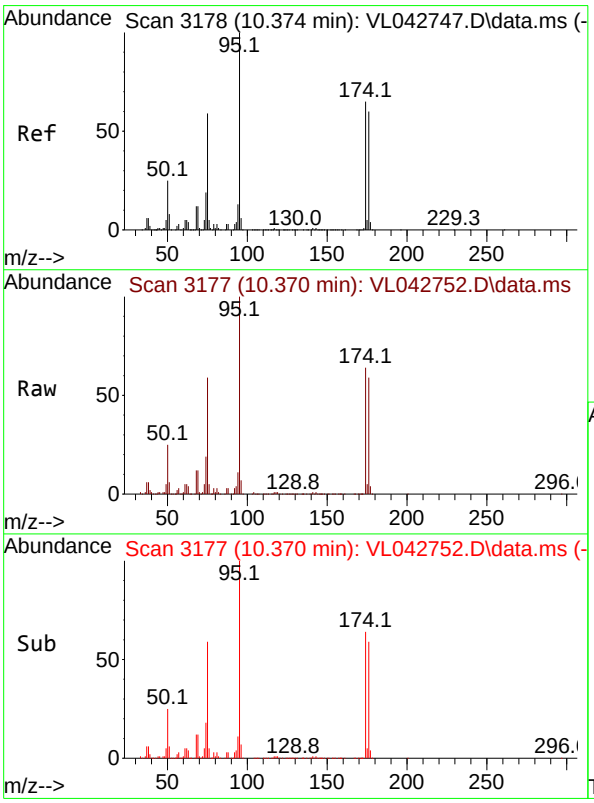
Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.0	15.0
85	54.6	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

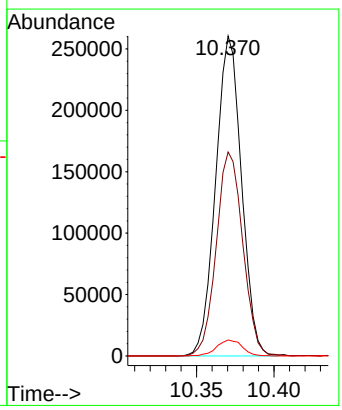
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 95 Resp: 302164

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.8	80.6
175	5.0	4.0	6.0



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	315293	10.335	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv		99
47)	1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv		96
48)	Dibromochloromethane	7.380	129	397179	15.695	ppbv		99
49)	Bromoform	9.477	173	352050	15.955	ppbv		97
50)	4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv		100
51)	2-Hexanone	7.428	43	485325	16.467	ppbv	#	100
52)	Tetrachloroethene	8.221	164	217184	12.899	ppbv		95
53)	Toluene	6.923	91	670142	15.405	ppbv		99
54)	1,2-Dibromoethane	7.645	107	338867	15.019	ppbv		96
56)	1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv		99
57)	Chlorobenzene	8.917	112	522894	14.025	ppbv		98
58)	Ethyl Benzene	9.351	91	940159	15.454	ppbv		99
59)	m/p-Xylene	9.545	91	1497932m	30.800	ppbv		
60)	o-Xylene	9.959	91	730161	15.030	ppbv		100
61)	Styrene	9.866	104	343429	16.805	ppbv		100
62)	Isopropylbenzene	10.536	105	1078393	15.049	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv		98
64)	n-propylbenzene	10.985	120	286724	15.348	ppbv		97
65)	tert-Butylbenzene	11.529	119	954459	14.995	ppbv		98
66)	Benzyl Chloride	11.610	91	94218	18.031	ppbv		98
67)	sec-Butylbenzene	11.762	105	1327393	14.662	ppbv		99
69)	p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv		99
70)	n-Butylbenzene	12.277	91	1152207	16.159	ppbv		100
71)	2-Chlorotoluene	10.898	91	838335	15.257	ppbv		99
72)	4-Ethyltoluene	11.121	105	918453	15.830	ppbv		99
73)	1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv		100
74)	1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv		97
75)	1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv		99
76)	1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv		100
77)	1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv		99
79)	Naphthalene	13.507	128	876734	15.265	ppbv		99
80)	Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv		98
81)	1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv		99

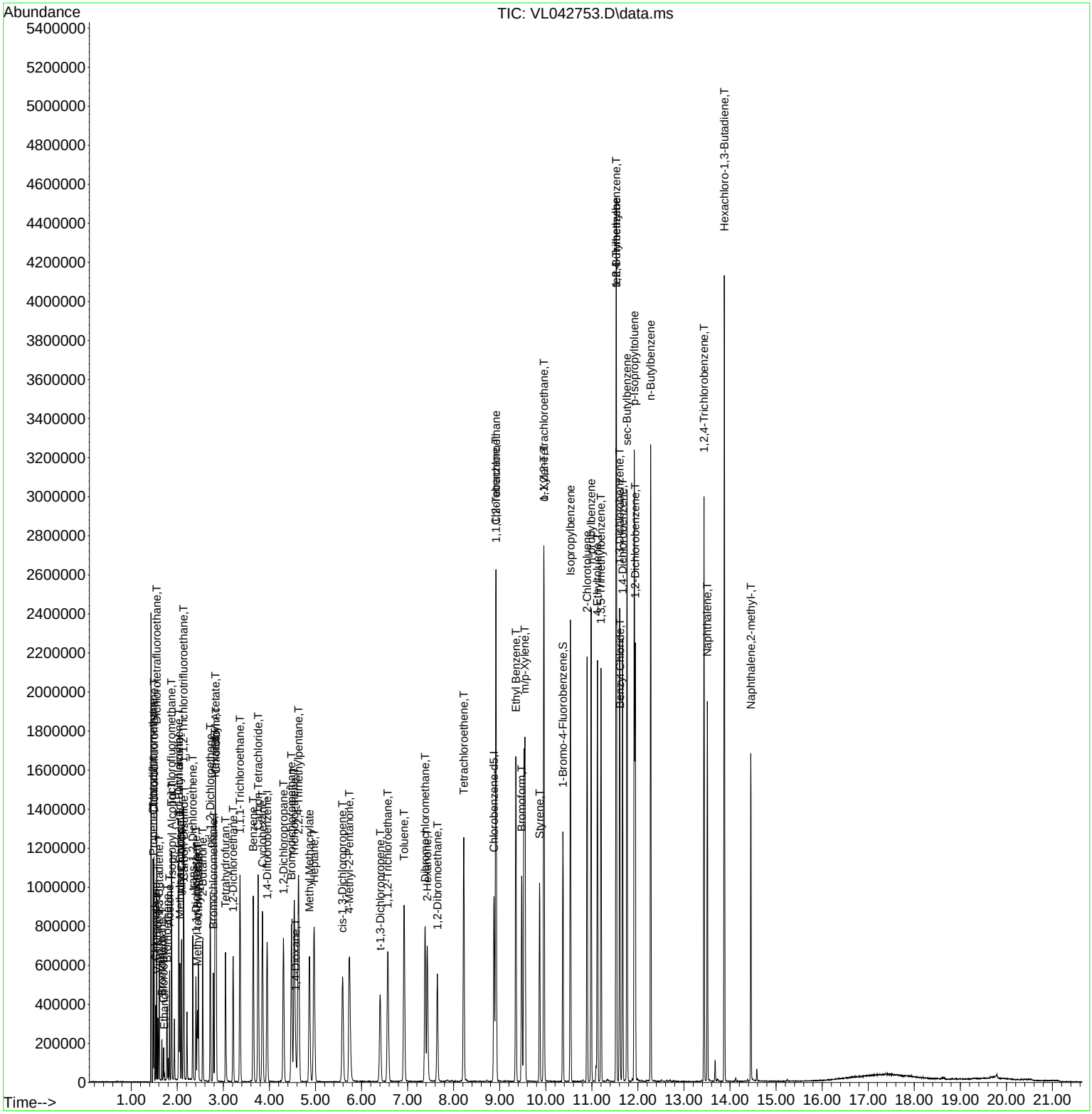
(#) = qualifier out of range (m) = manual integration (+) = signals summed

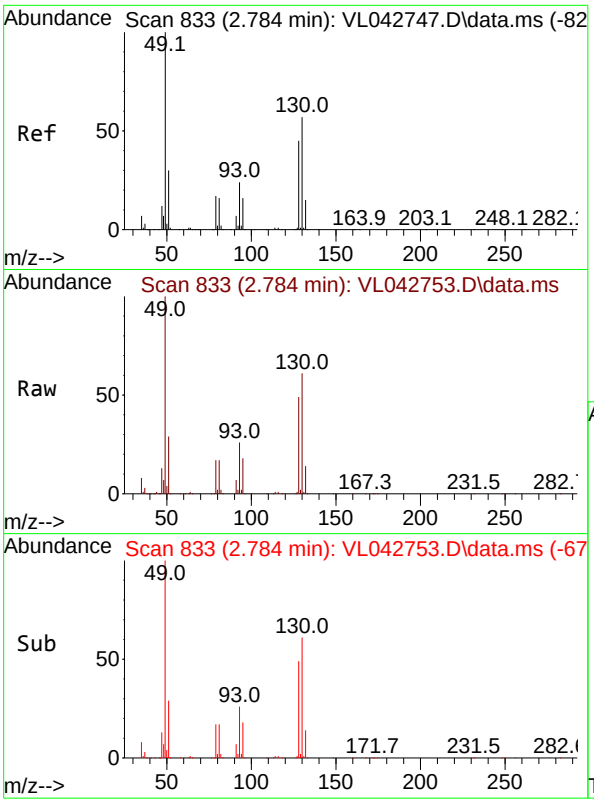
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

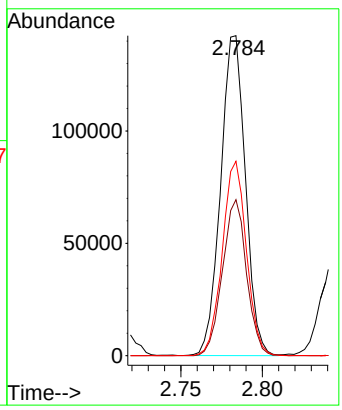




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 49 Resp: 15033

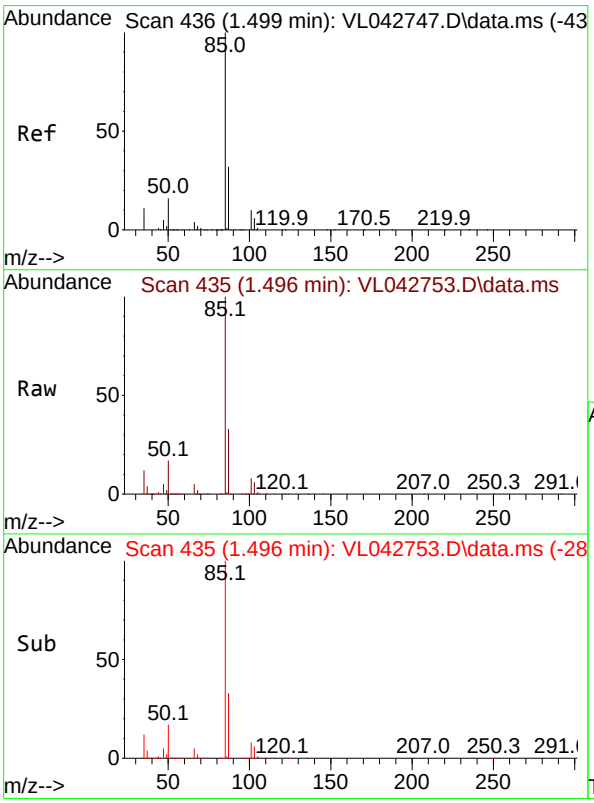
Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

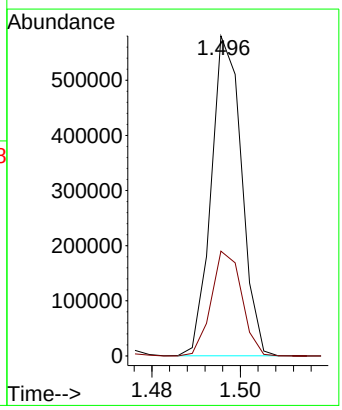
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

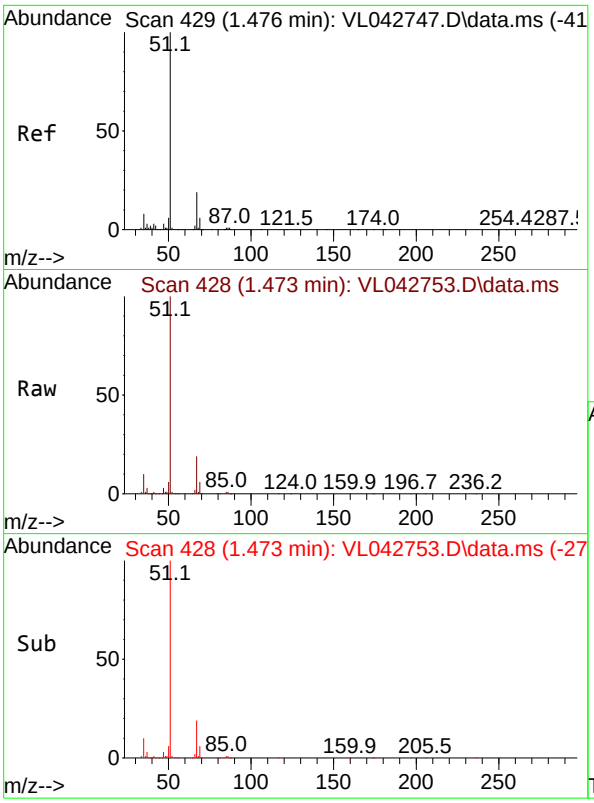


#2
Dichlorodifluoromethane
Concen: 13.938 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2

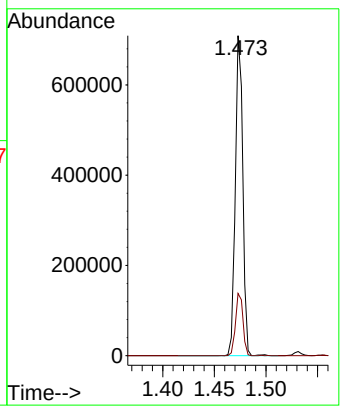




#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 51 Resp: 35345

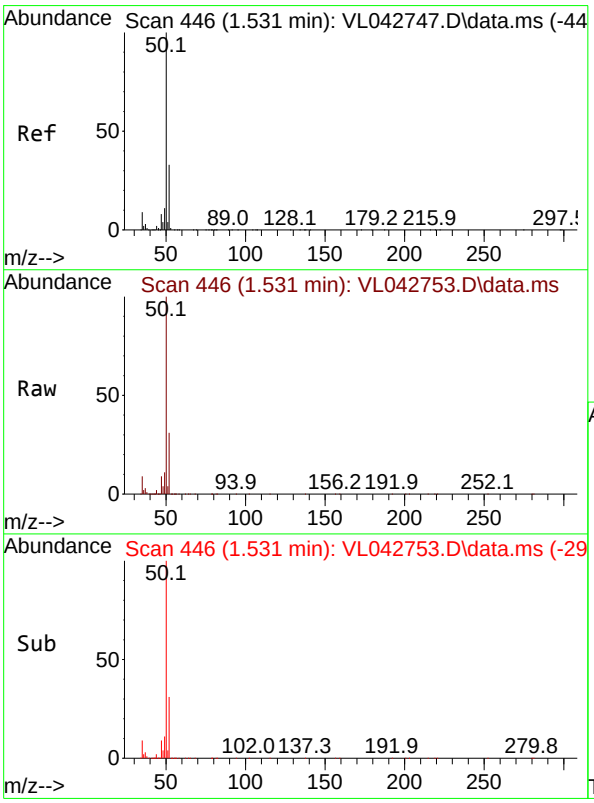
Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

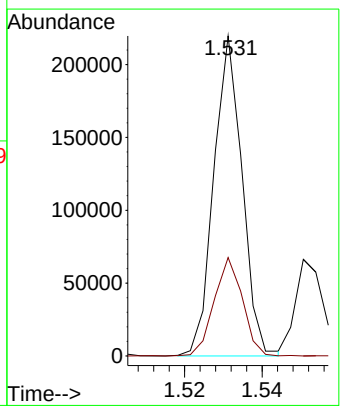
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

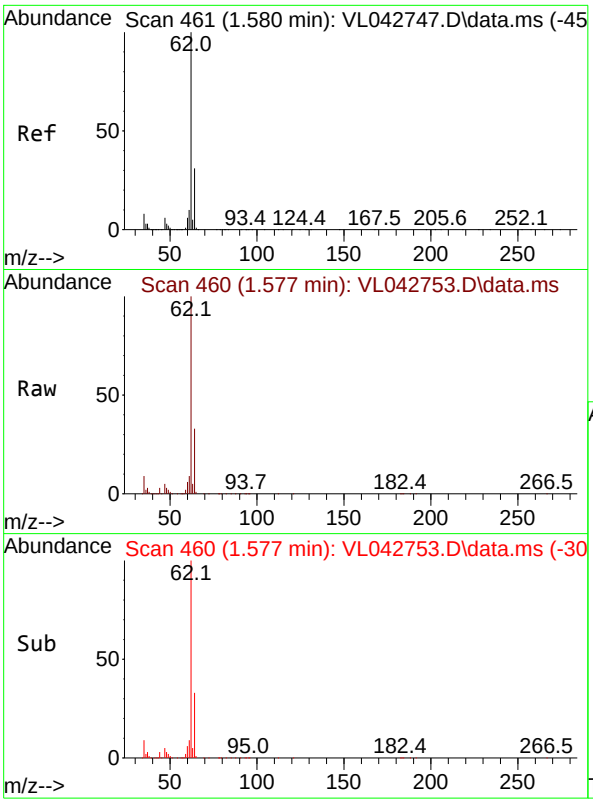


#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0

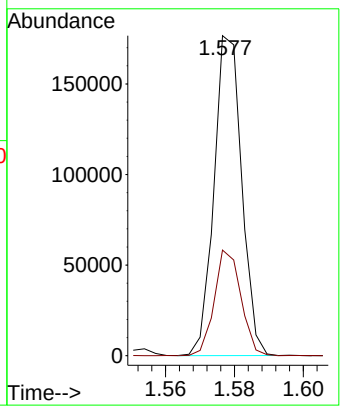




#5
Vinyl Chloride
Concen: 12.410 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 62 Resp: 9859

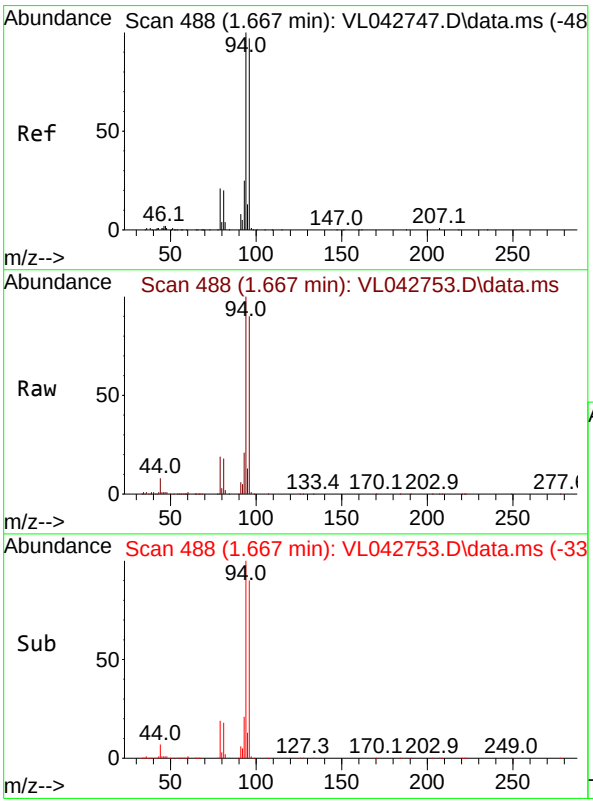
Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

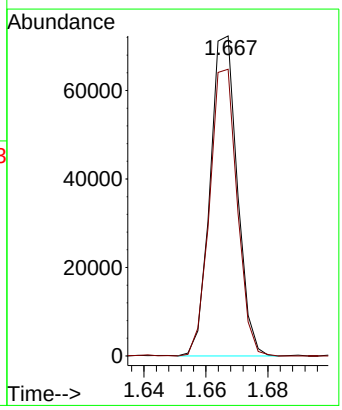
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

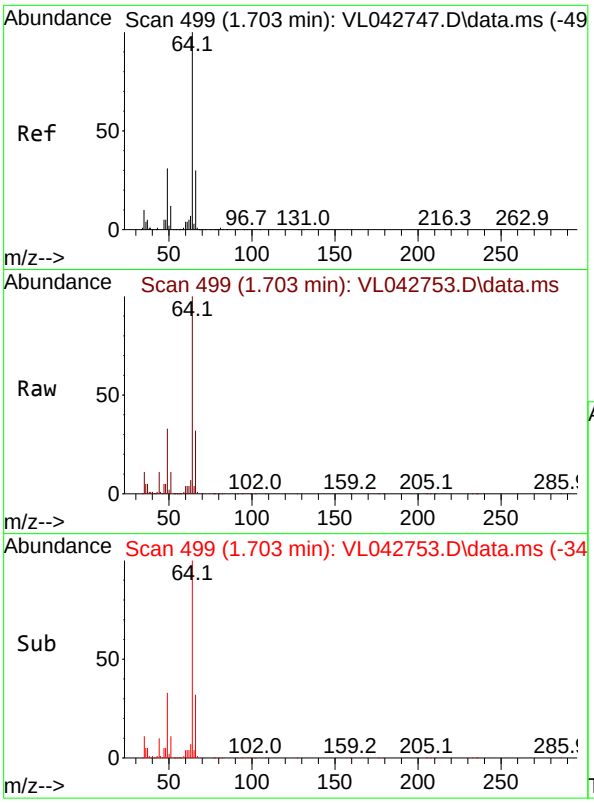


#6
Bromomethane
Concen: 14.372 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 94 Resp: 44144

Ion	Ratio	Lower	Upper
94	100		
96	89.6	77.6	116.4

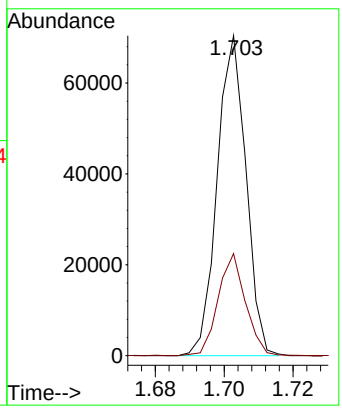




#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 64 Resp: 4090

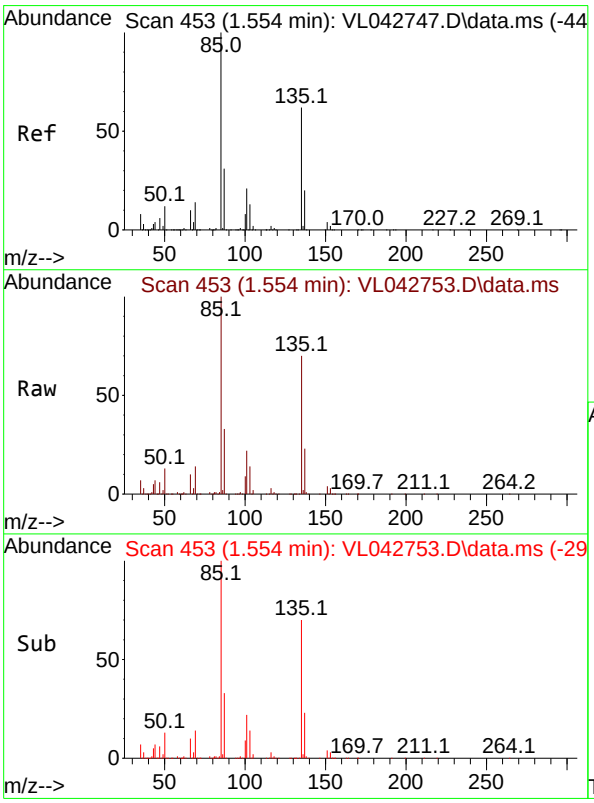
Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

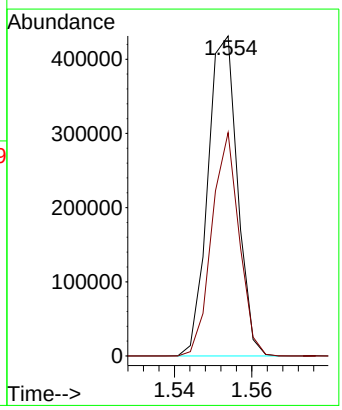
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

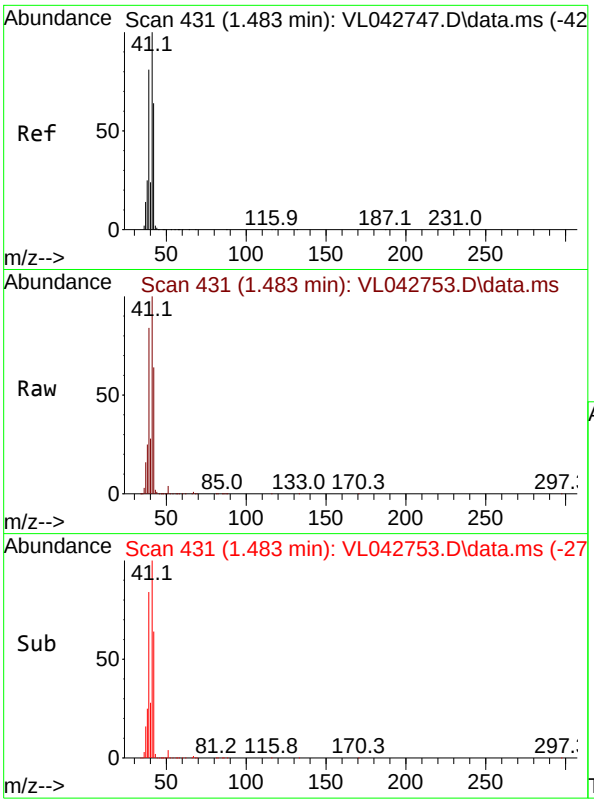


#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 229298

Ion	Ratio	Lower	Upper
85	100		
135	64.4	50.6	76.0

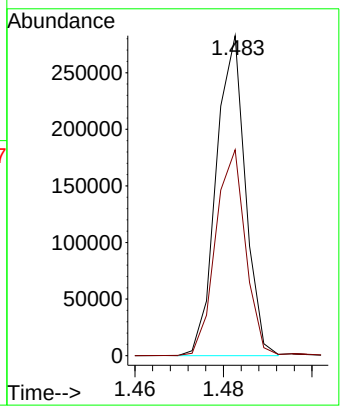




#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 41 Resp: 12906

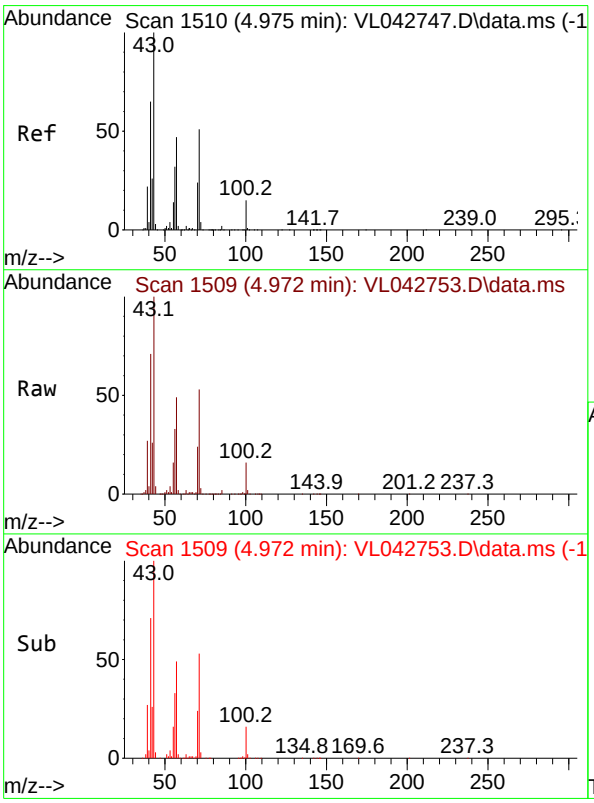
Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

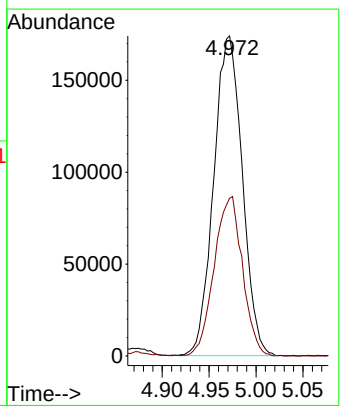
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

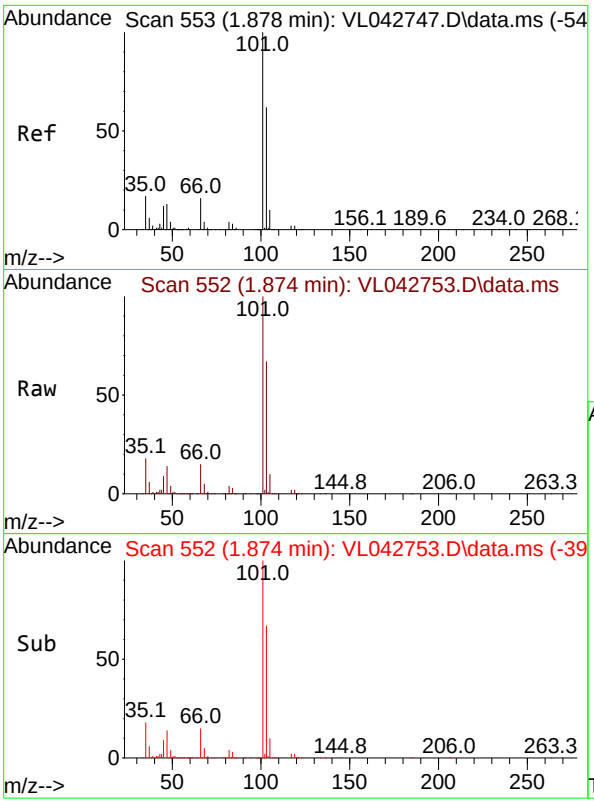


#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 368612

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9

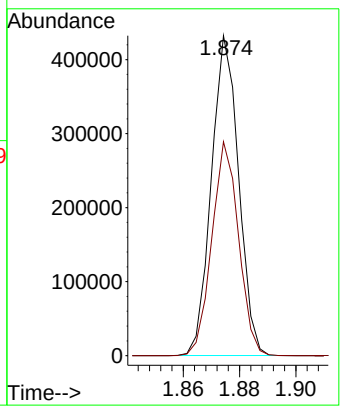




#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 28976

Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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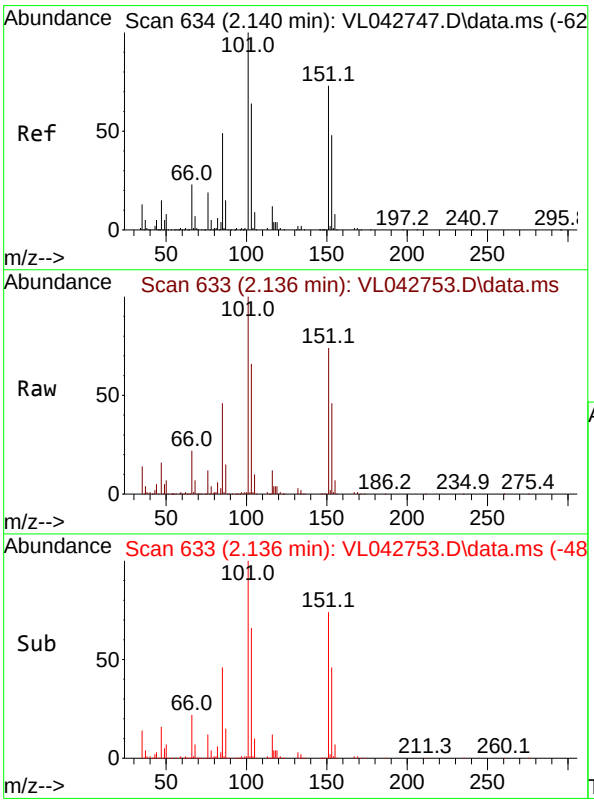
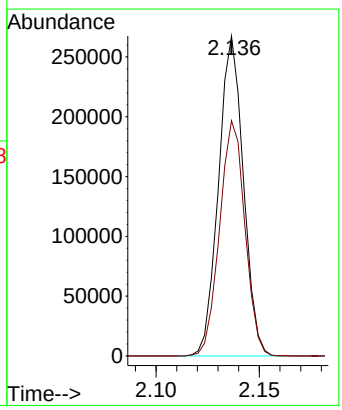
Supervised By :Mahesh Dadoda 07/24/2025

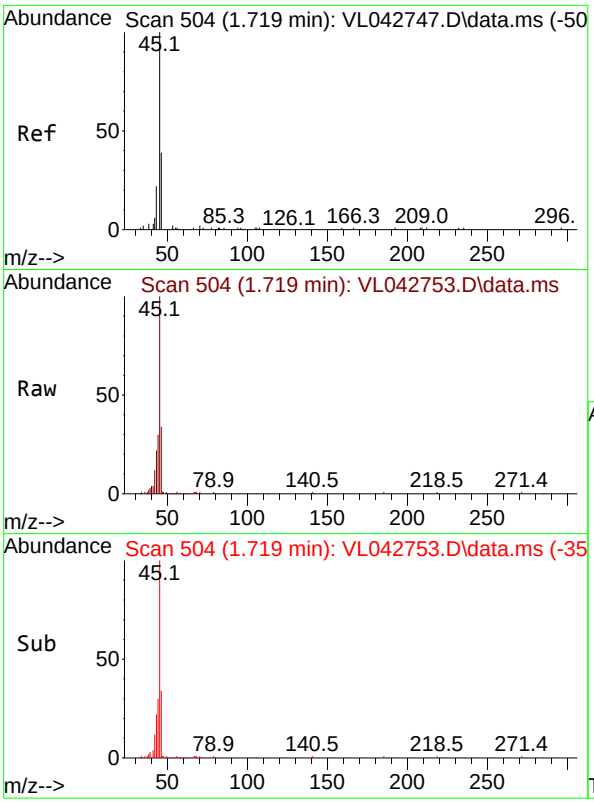


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 223552

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7

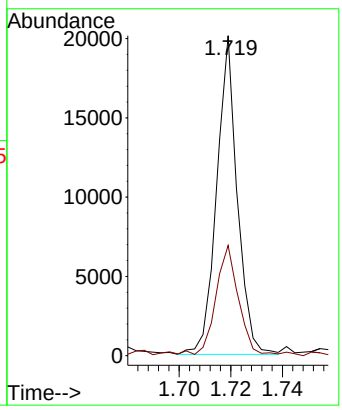




#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 45 Resp: 1114

Ion	Ratio	Lower	Upper
45	100		
46	35.4	17.8	71.4



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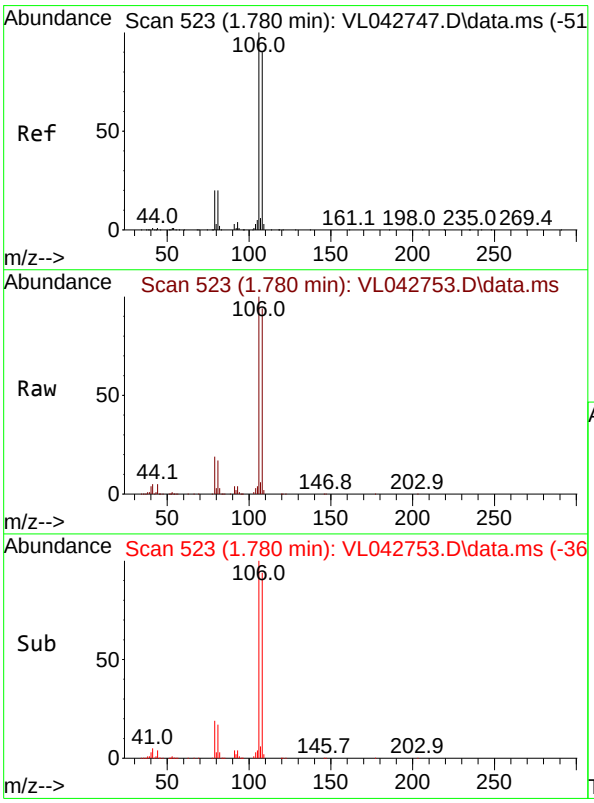
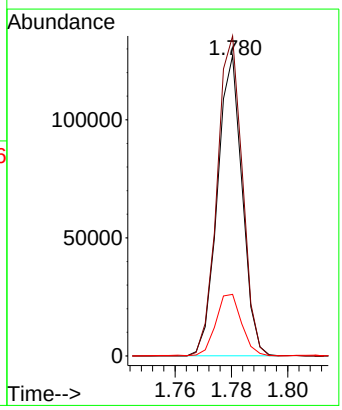
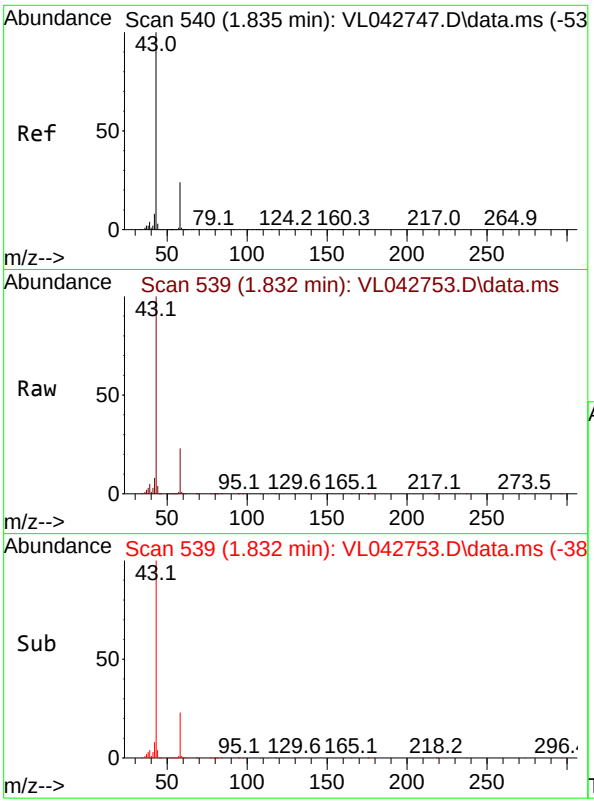


#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:108 Resp: 77435

Ion	Ratio	Lower	Upper
108	100		
106	108.5	84.7	127.1
79	22.3	17.4	26.2

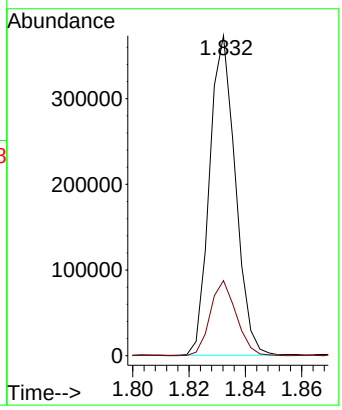




#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 23766

Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.8	29.8



Instrument :
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ClientSampleId :
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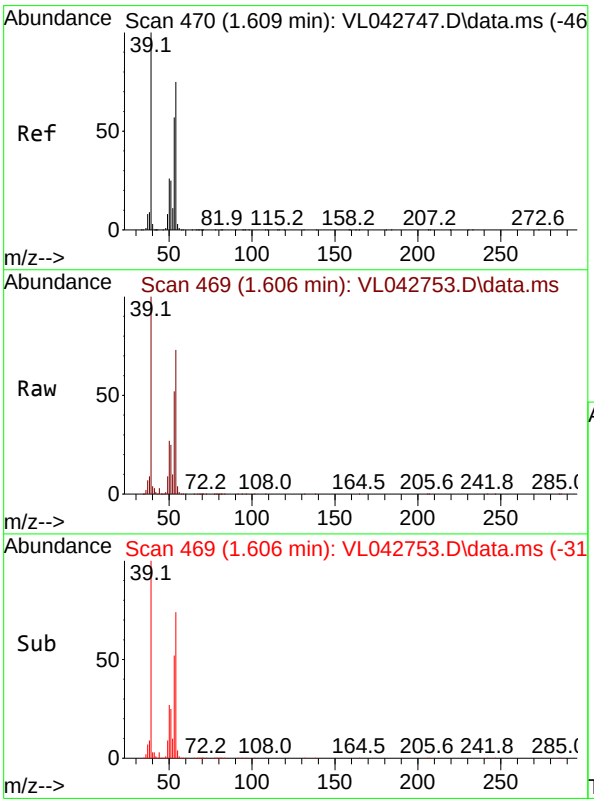
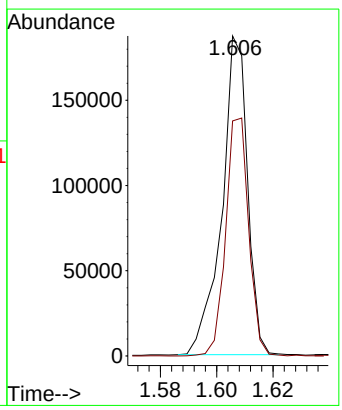
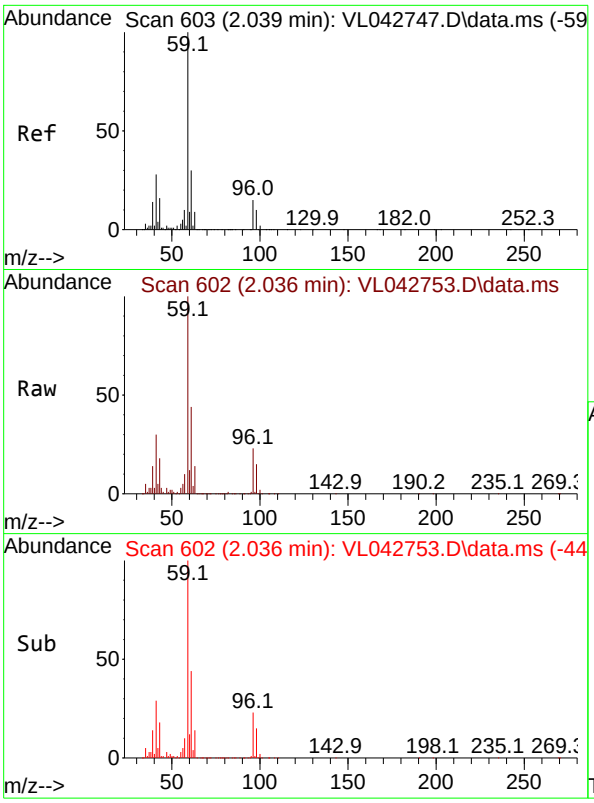


#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252

Ion	Ratio	Lower	Upper
39	100		
54	67.5	54.5	81.7

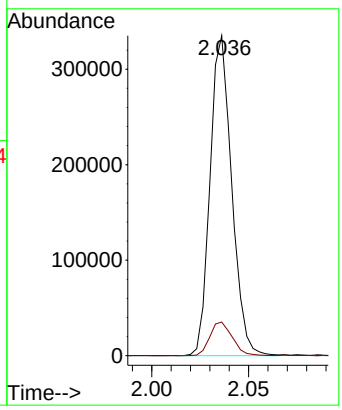




#17
tert-Butyl alcohol
Concen: 13.919 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 59 Resp: 26058

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5



Instrument :
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ClientSampleId :
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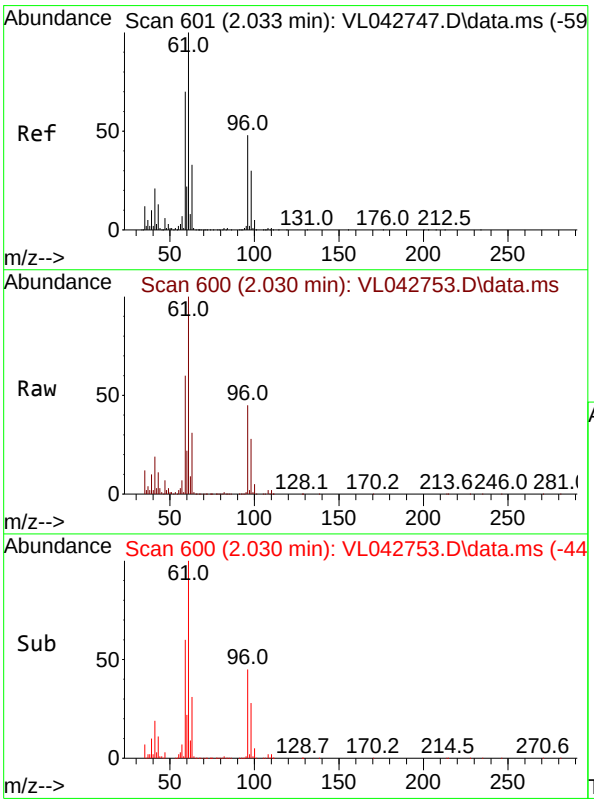
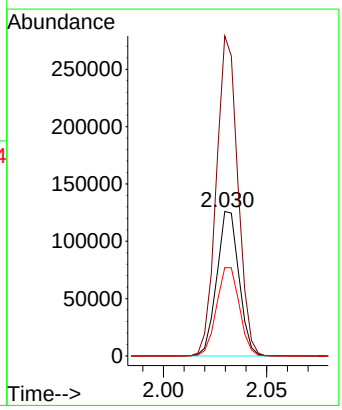
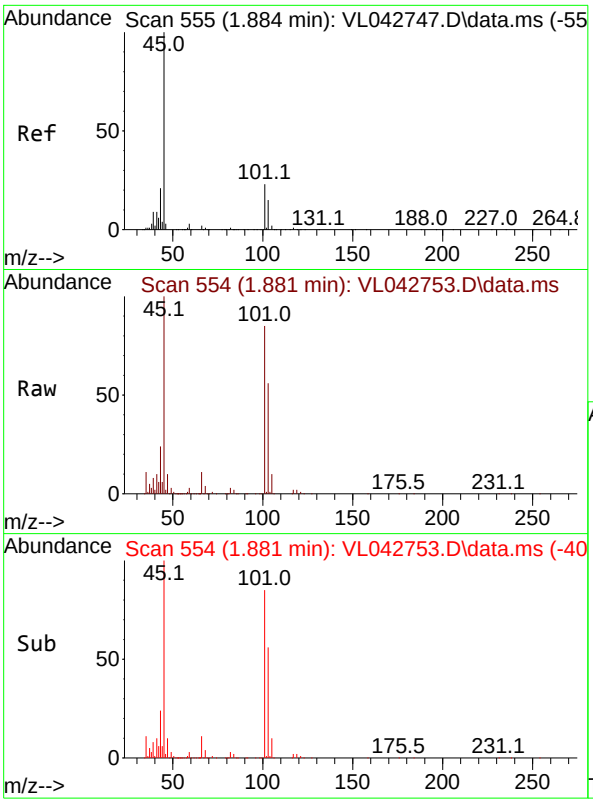


#18
1,1-Dichloroethene
Concen: 13.382 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 94140

Ion	Ratio	Lower	Upper
96	100		
61	221.6	165.8	248.6
98	61.2	49.9	74.9

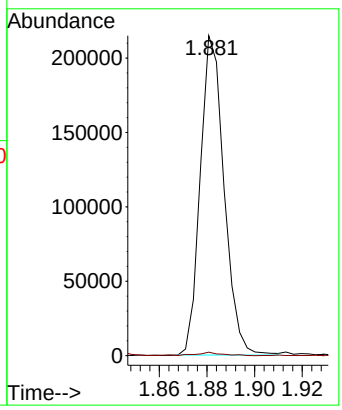




#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 45 Resp: 14946

Ion	Ratio	Lower	Upper
45	100		
58	38.1	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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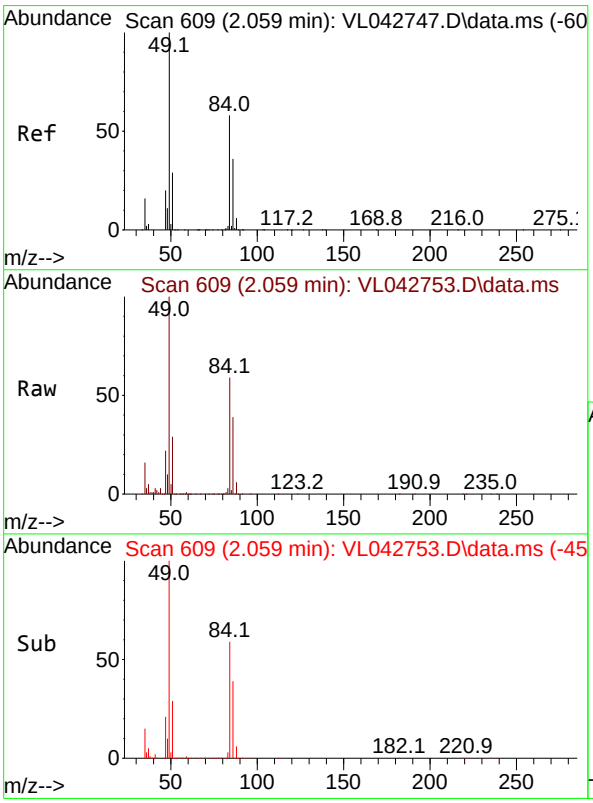
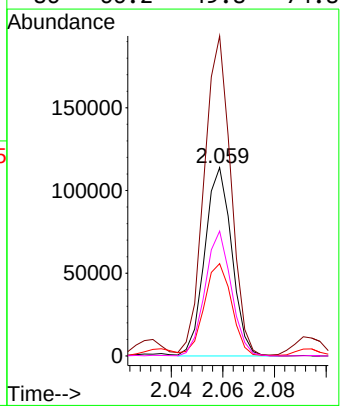
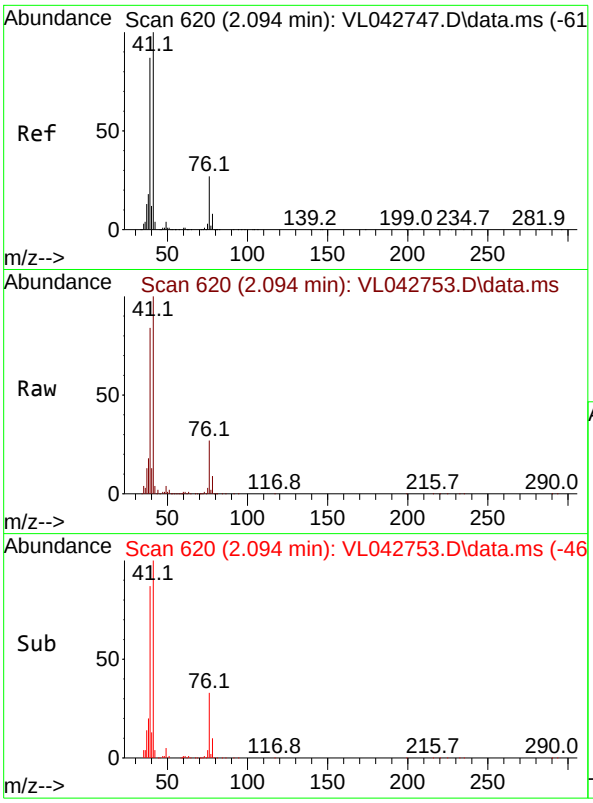


#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 82755

Ion	Ratio	Lower	Upper
84	100		
49	169.2	138.6	208.0
51	48.6	40.6	61.0
86	66.2	49.8	74.8

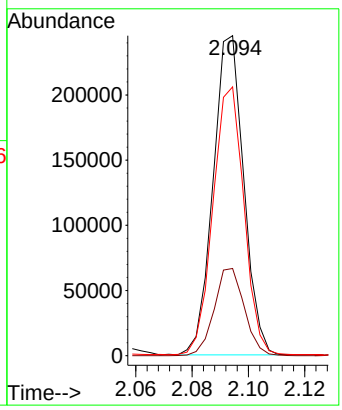




#21
Allyl Chloride
Concen: 14.476 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 41 Resp: 18520

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.1	31.7
39	85.2	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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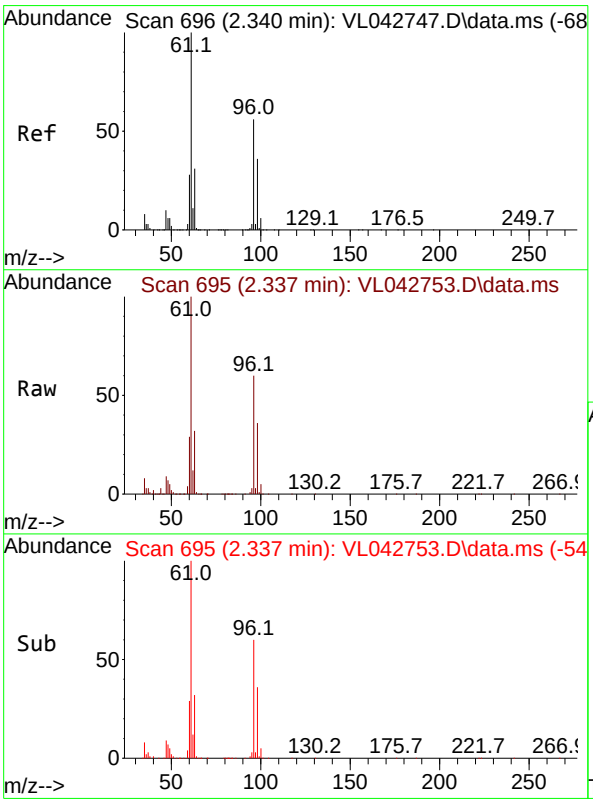
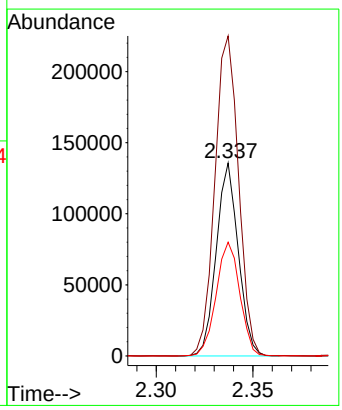
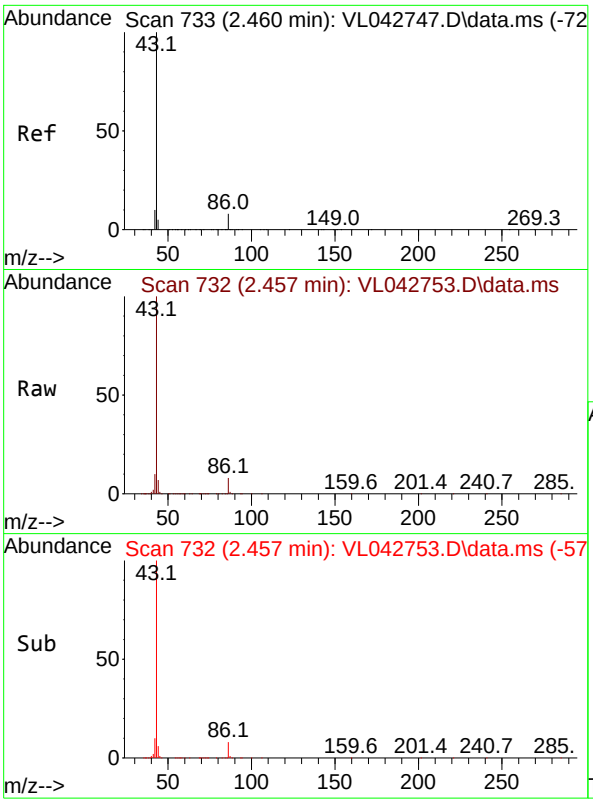


#22
trans-1,2-Dichloroethene
Concen: 14.160 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 107003

Ion	Ratio	Lower	Upper
96	100		
61	165.9	142.3	213.5
98	59.0	50.6	76.0

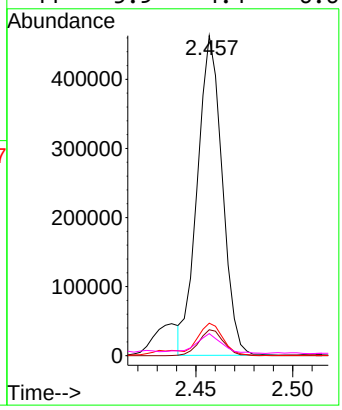




#23
Vinyl Acetate
Concen: 16.426 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 41337

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.1	9.1
42	10.1	7.8	11.8
44	5.9	4.4	6.6



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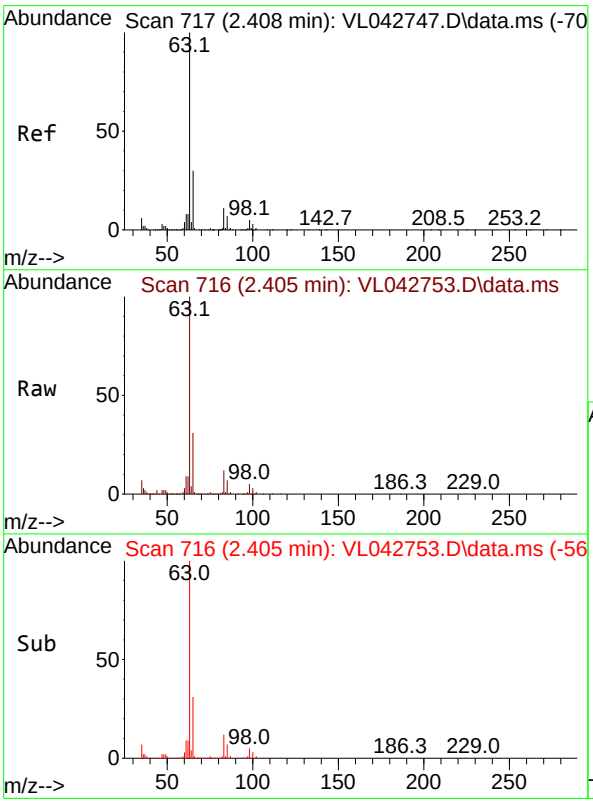
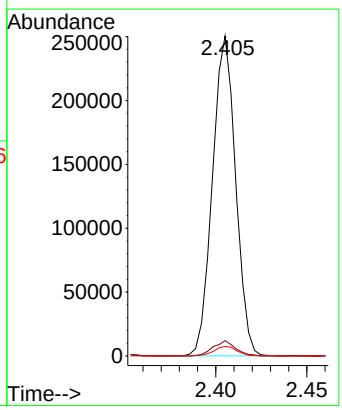
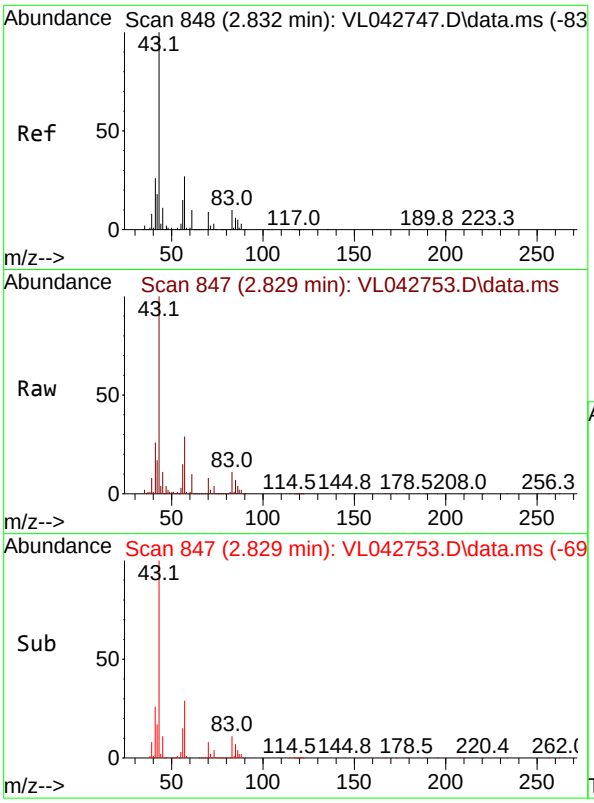


#24
1,1-Dichloroethane
Concen: 14.239 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 221175

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	2.9	1.6	4.8

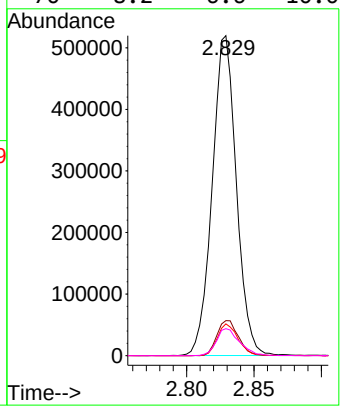




#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 64715(

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	8.6	6.7	10.1
70	8.2	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
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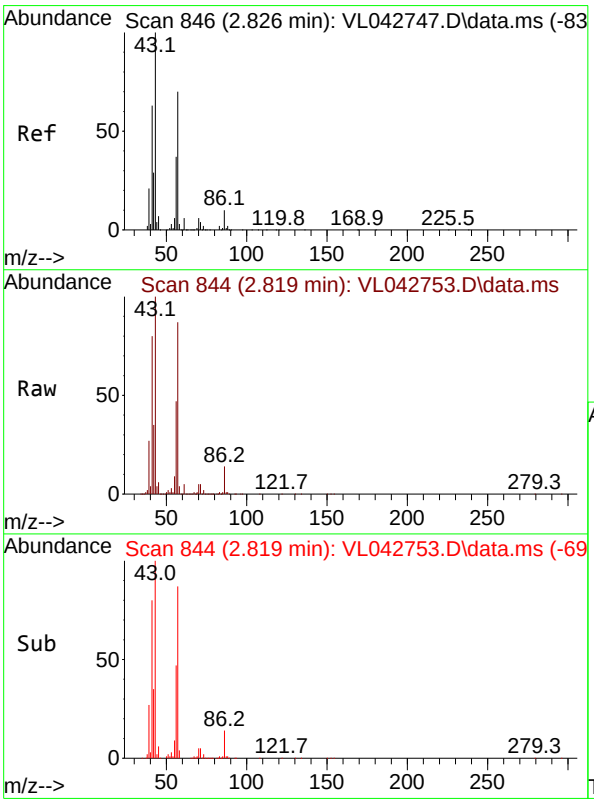
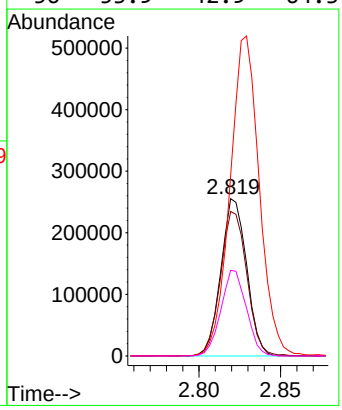
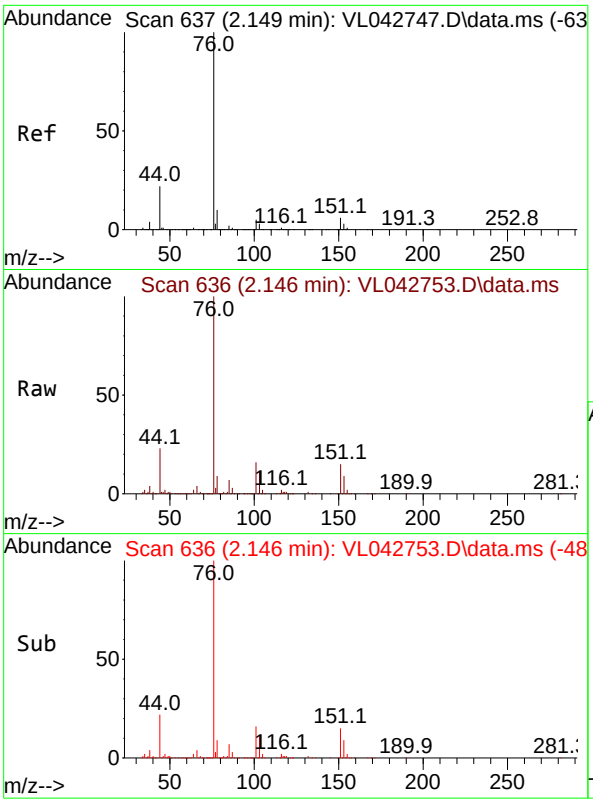


#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 279549

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.4	113.2
43	232.7	185.0	277.6
56	53.9	42.9	64.3

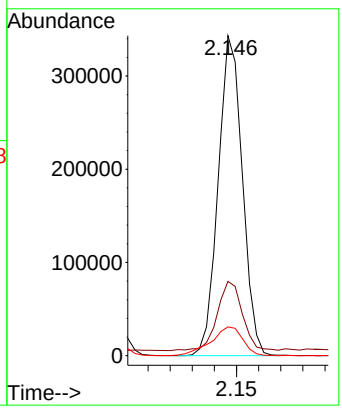




#27
Carbon Disulfide
Concen: 15.119 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 76 Resp: 26088

Ion	Ratio	Lower	Upper
76	100		
44	23.1	19.3	28.9
78	11.9	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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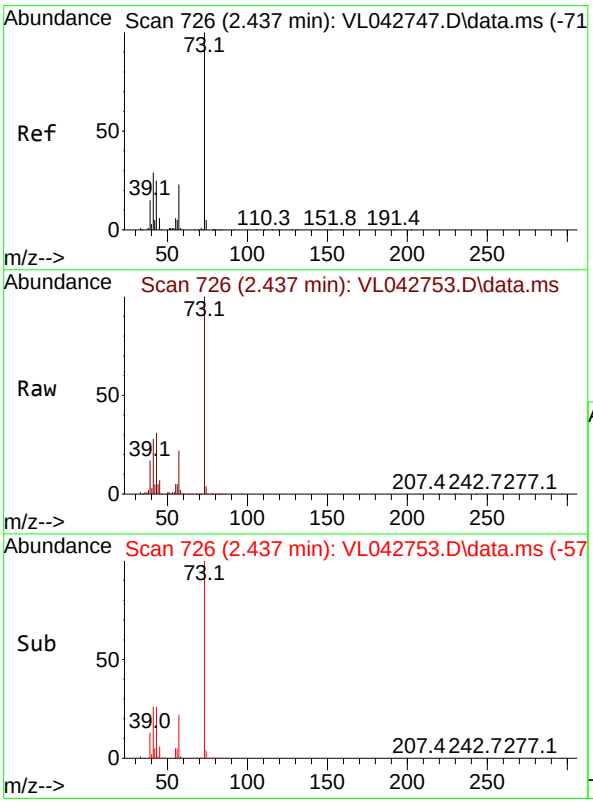
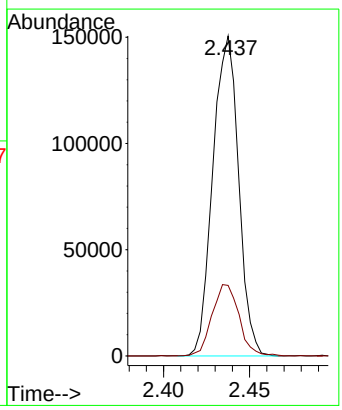
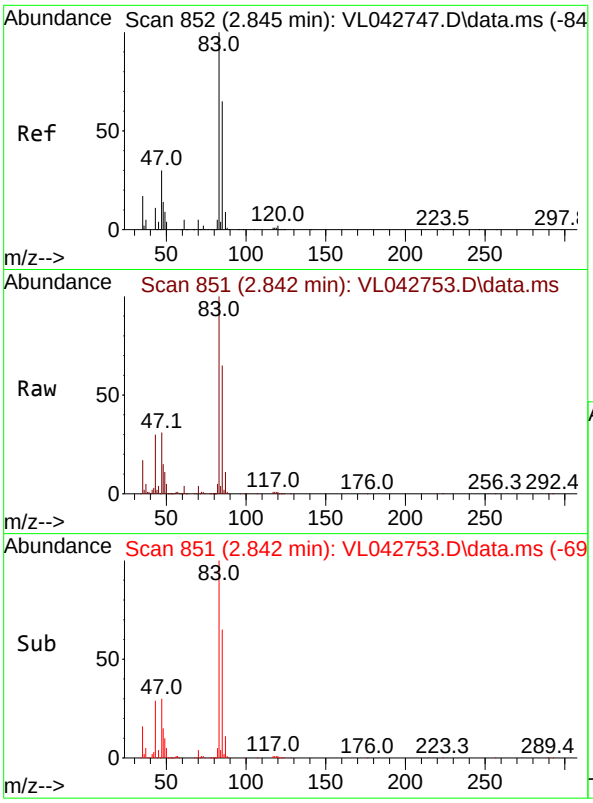


#28
Methyl tert-Butyl Ether
Concen: 16.477 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 73 Resp: 156895

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8

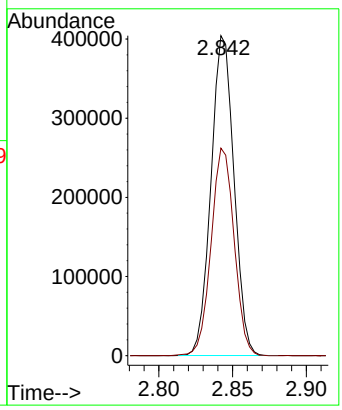




#29
Chloroform
Concen: 14.067 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 43815

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2



Instrument :
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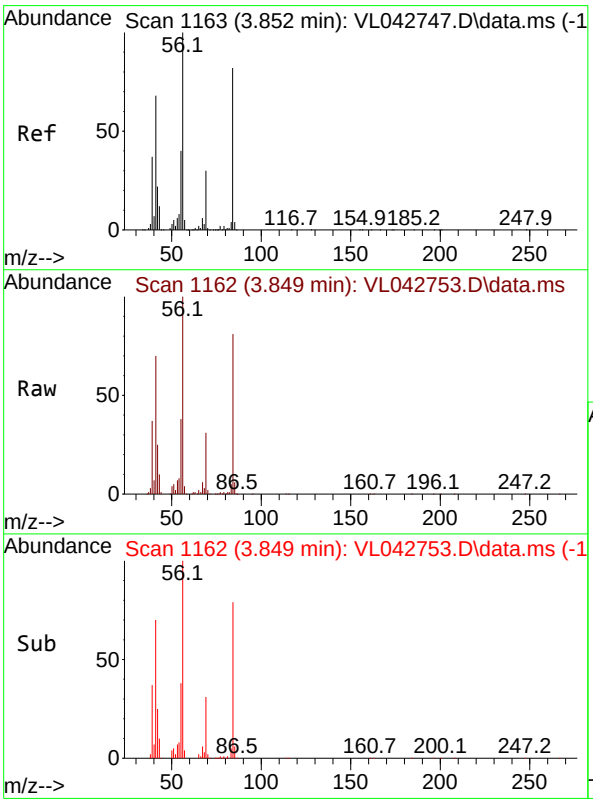
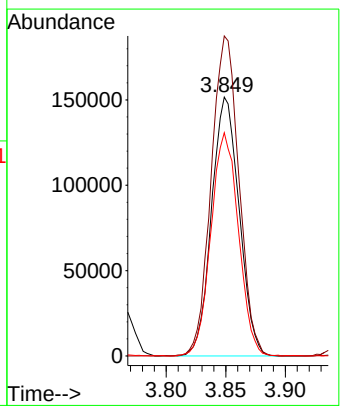
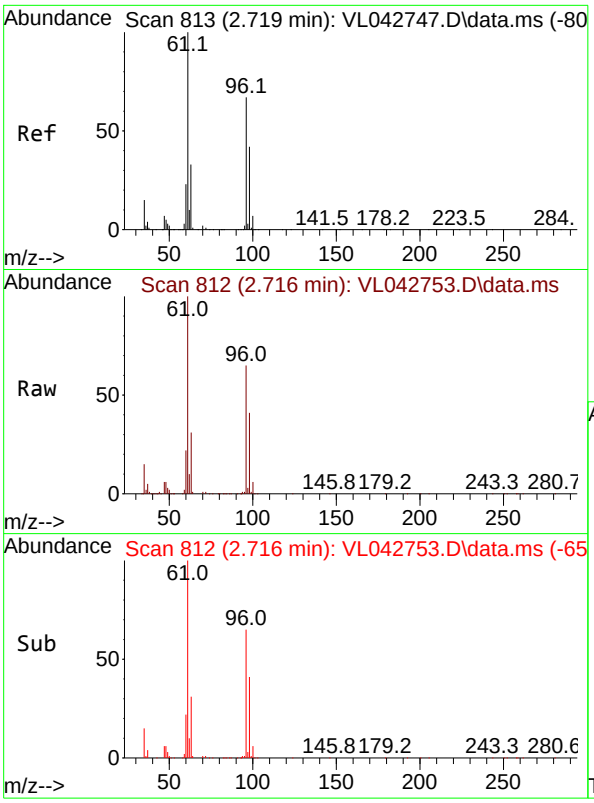


#30
Cyclohexane
Concen: 14.280 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 244116

Ion	Ratio	Lower	Upper
84	100		
56	124.4	97.5	146.3
41	85.9	67.2	100.8

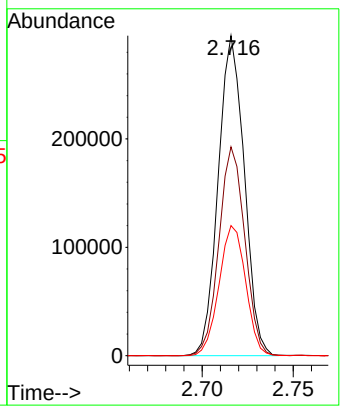




#31
cis-1,2-Dichloroethene
Concen: 14.192 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 61 Resp: 29394

Ion	Ratio	Lower	Upper
61	100		
96	65.3	53.5	80.3
98	40.7	33.6	50.4



Instrument :
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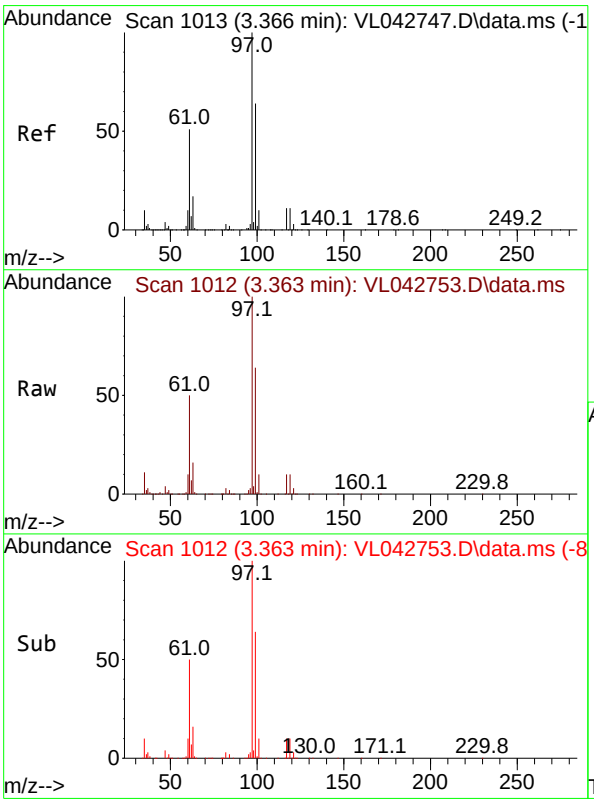
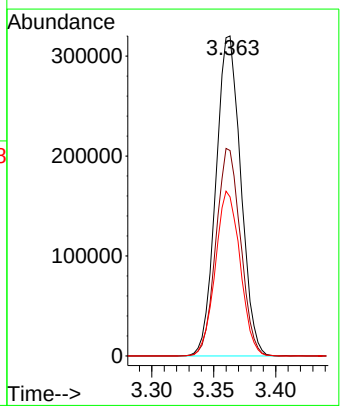
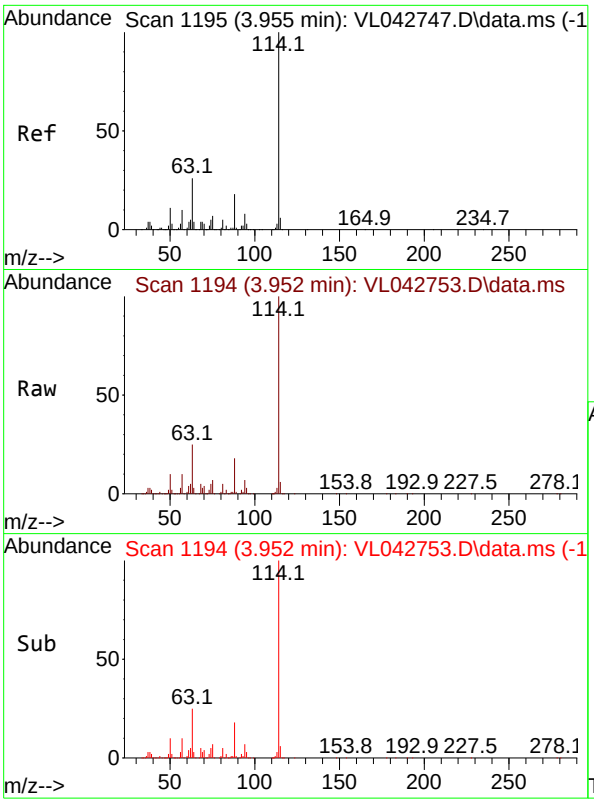


#32
1,1,1-Trichloroethane
Concen: 13.796 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 447592

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.5	40.9	61.3

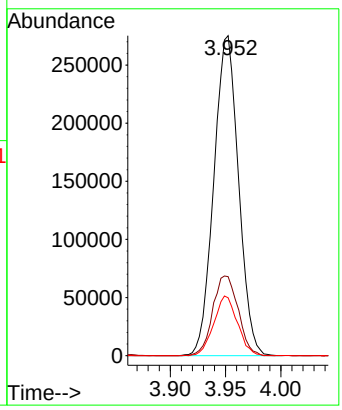




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:114 Resp: 42743

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.9	14.0	21.0



Instrument :
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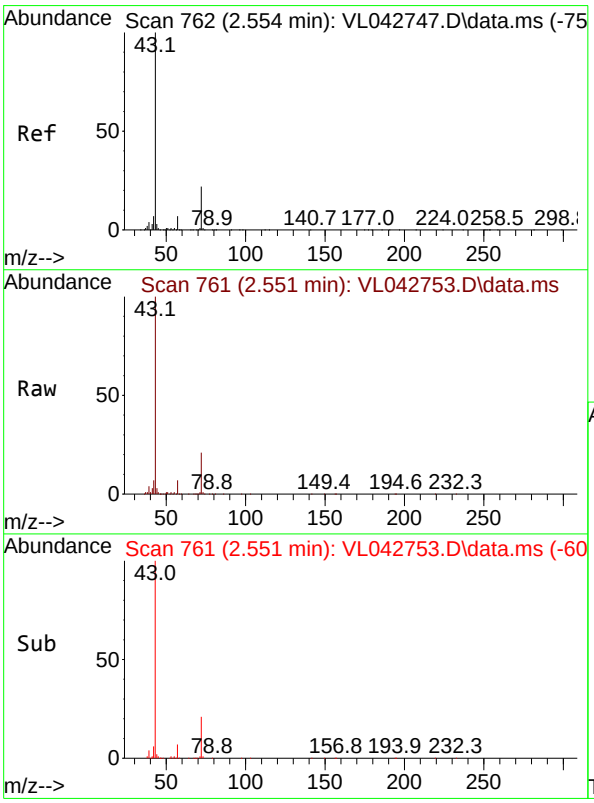
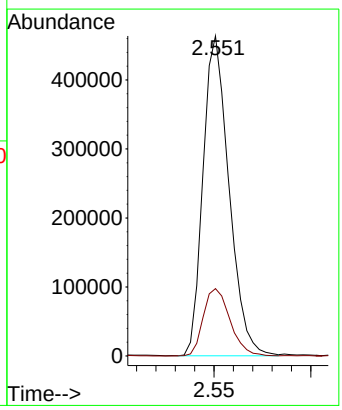
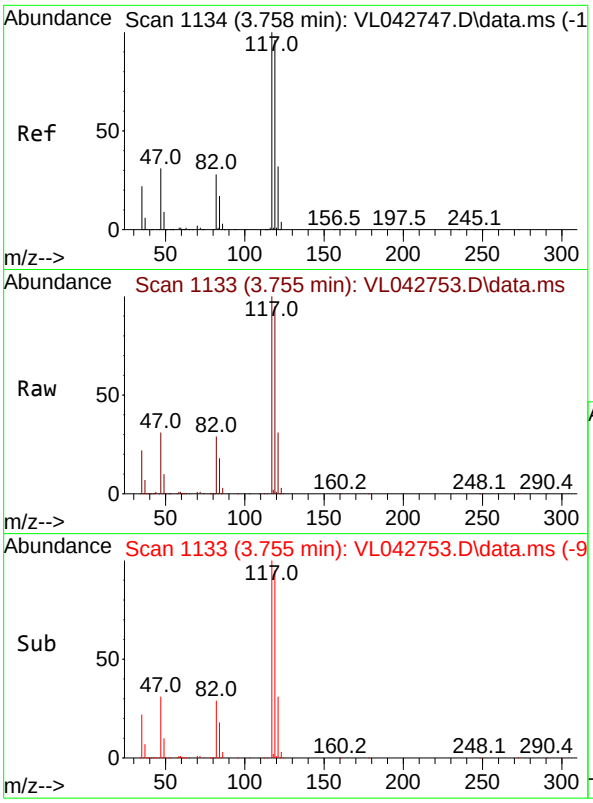


#34
2-Butanone
Concen: 14.297 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 432873

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0

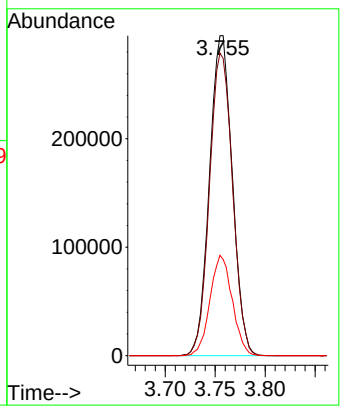




#35
Carbon Tetrachloride
Concen: 14.764 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:117 Resp: 46895

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
121	31.4	25.5	38.3



Instrument :
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ClientSampleId :
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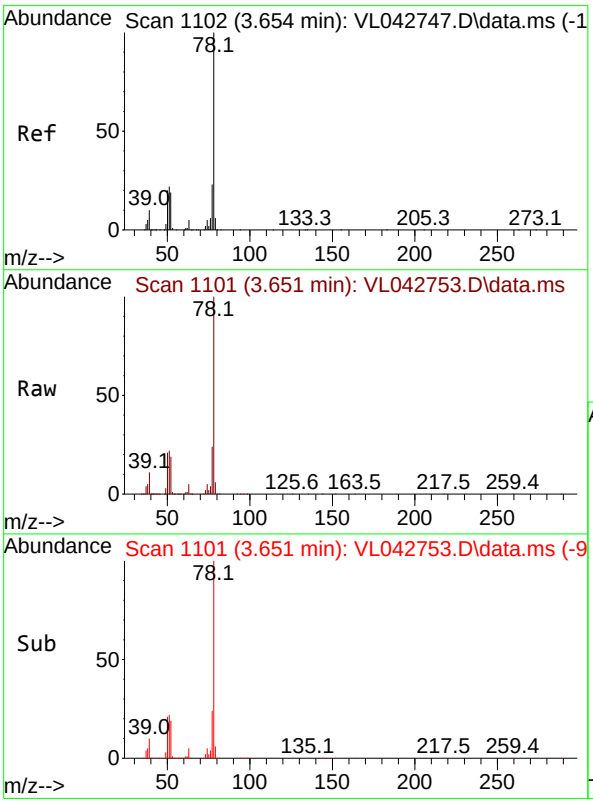
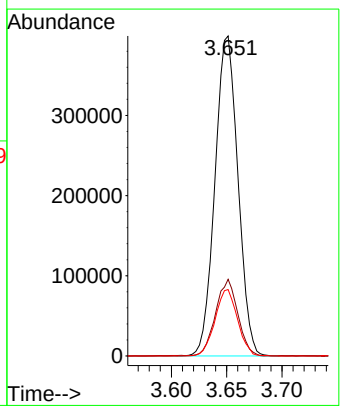
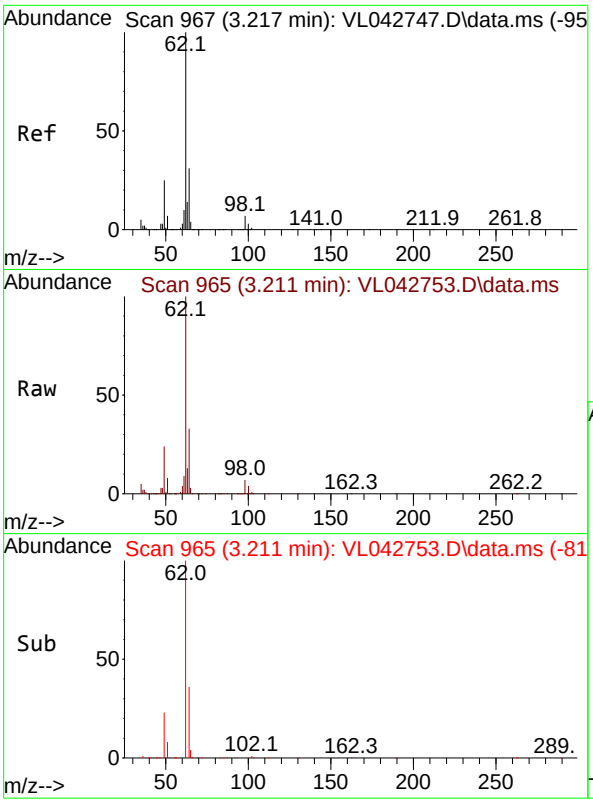


#36
Benzene
Concen: 14.247 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 78 Resp: 577153

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7
50	20.7	16.2	24.2

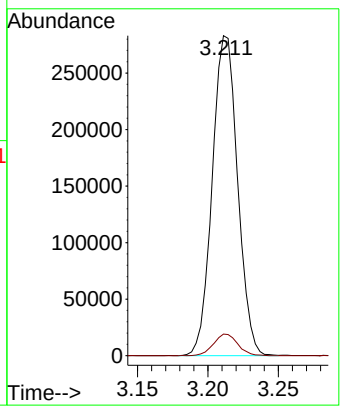




#37
1,2-Dichloroethane
Concen: 14.533 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 62 Resp: 35463

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8



Instrument :
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ClientSampleId :
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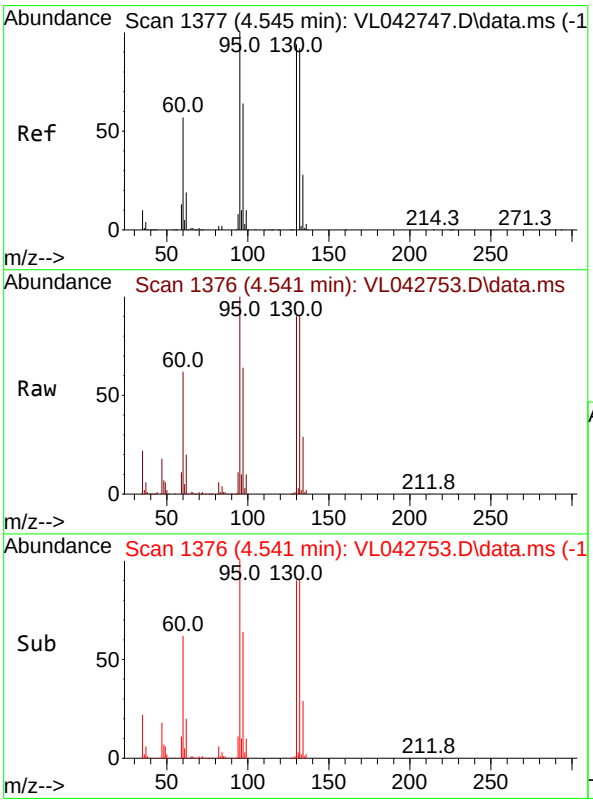
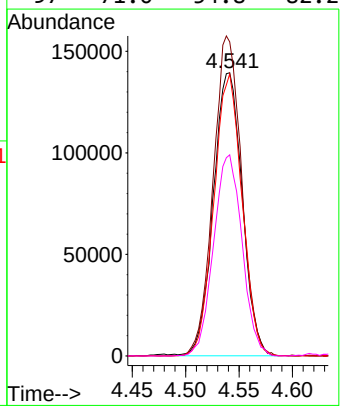
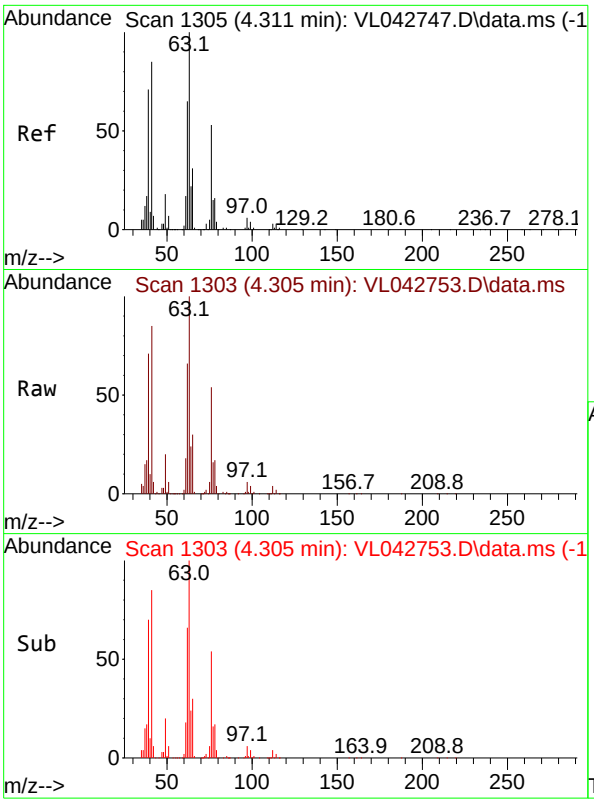


#38
Trichloroethene
Concen: 13.416 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

Ion	Ratio	Lower	Upper
130	100		
95	110.8	85.4	128.2
132	99.5	78.2	117.2
97	71.0	54.8	82.2

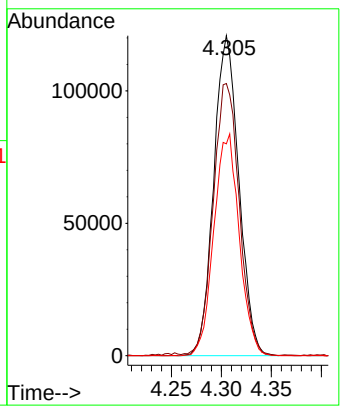




#39
1,2-Dichloropropane
Concen: 14.150 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 21159

Ion	Ratio	Lower	Upper
63	100		
41	85.0	68.2	102.4
62	66.2	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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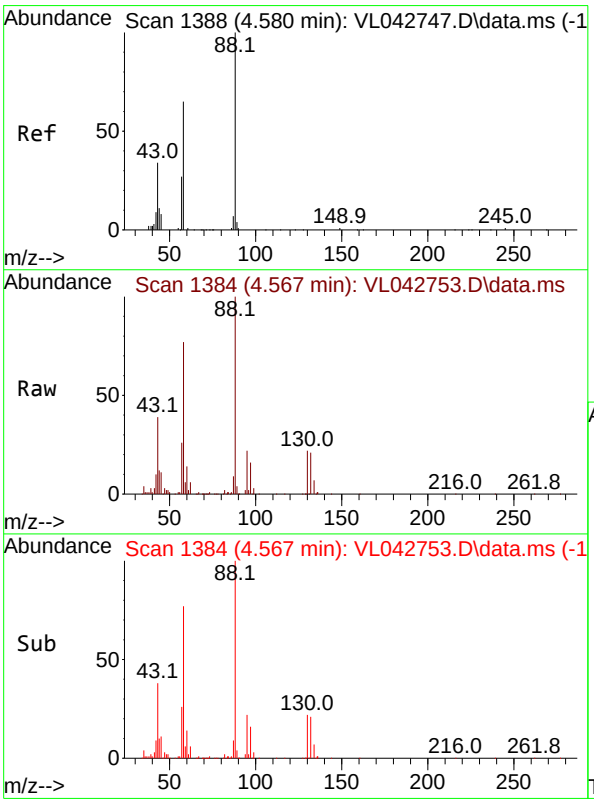
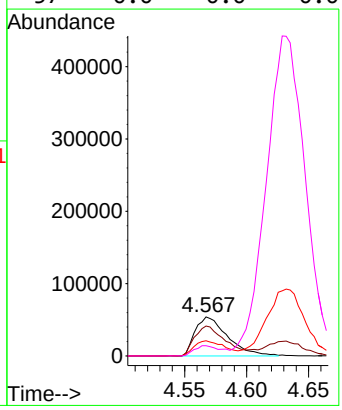
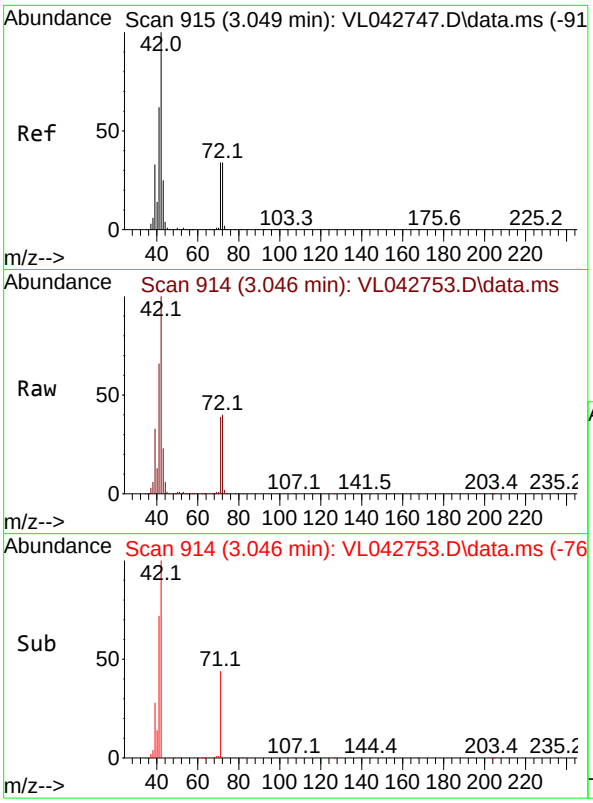


#40
1,4-Dioxane
Concen: 13.926 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.8	88.2
43	35.8	28.9	43.3
57	0.0	0.0	0.0

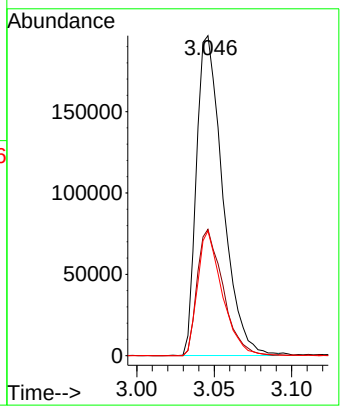




#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 42 Resp: 23239

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.9	46.3
71	36.6	28.6	43.0



Instrument :
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ClientSampleId :
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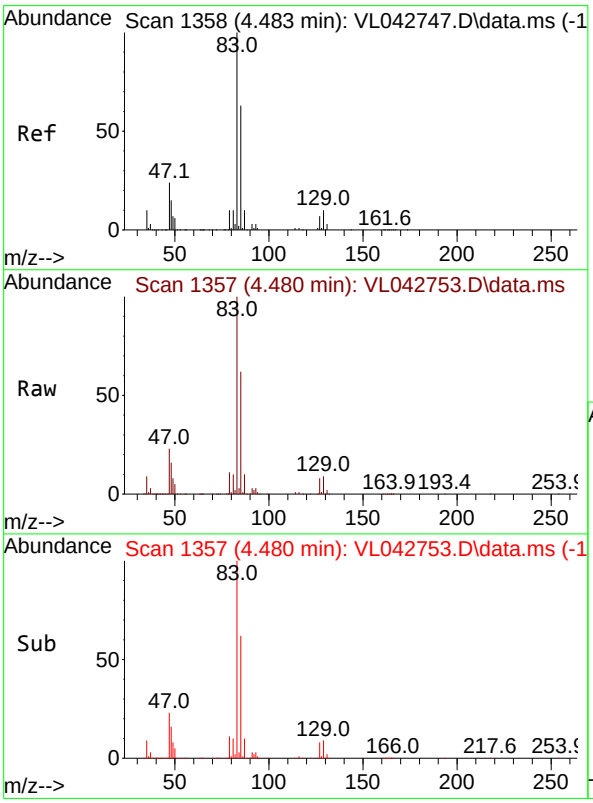
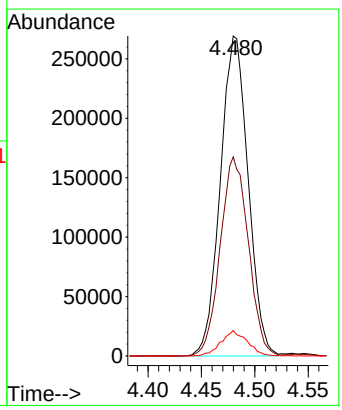
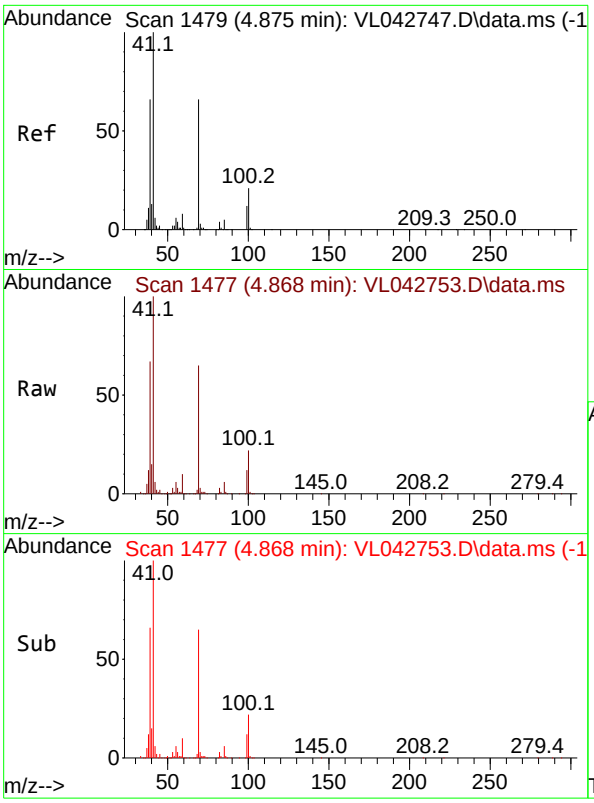


#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 486831

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.0	5.4	8.2

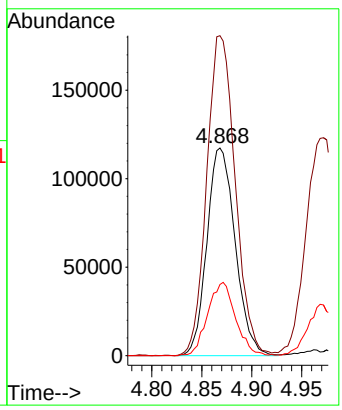




#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 69 Resp: 23122

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	34.8	28.6	42.8



Instrument :
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ClientSampleId :
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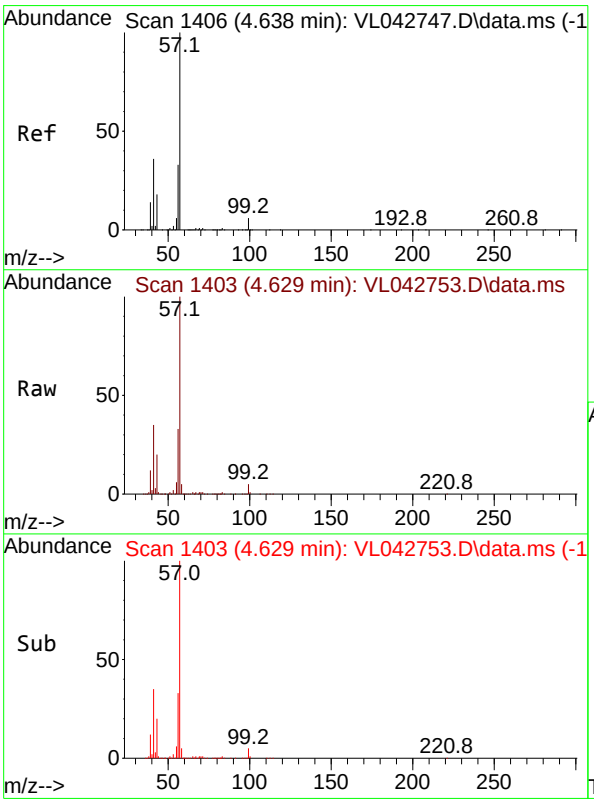
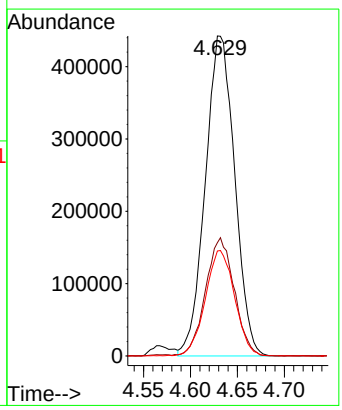
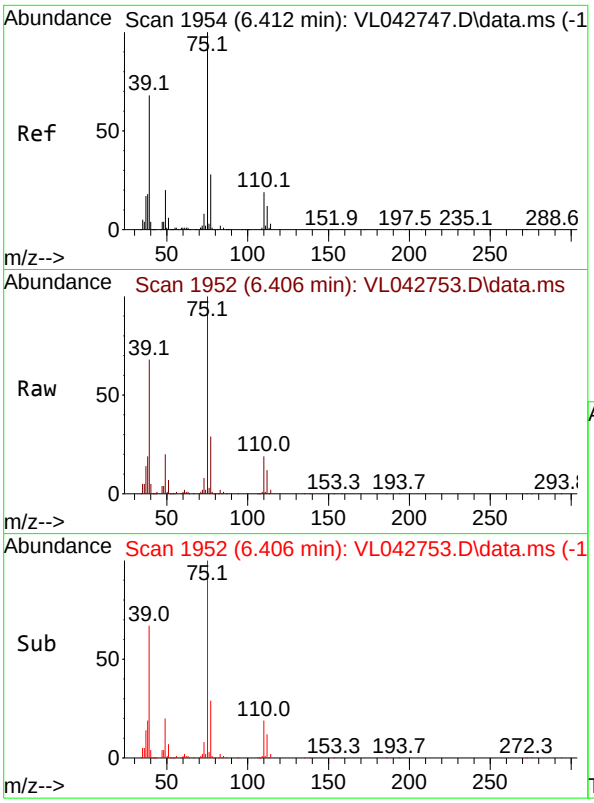


#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 963867

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.9	25.8	38.6

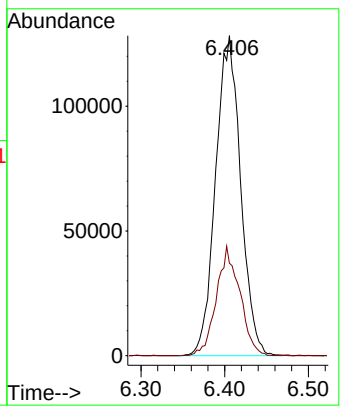




#45
t-1,3-Dichloropropene
Concen: 16.478 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 26619

Ion	Ratio	Lower	Upper
75	100		
77	28.9	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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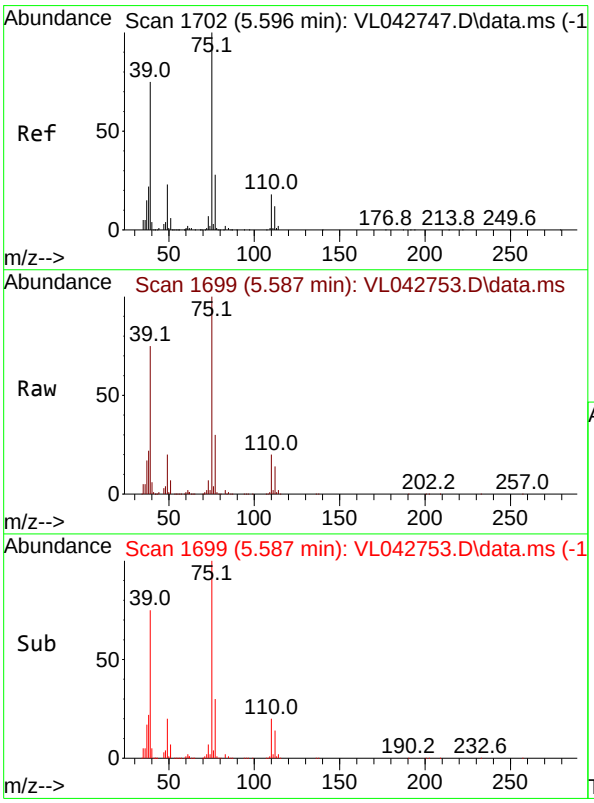
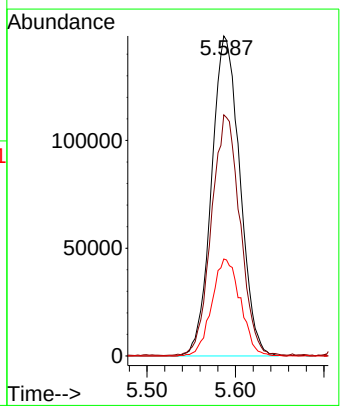
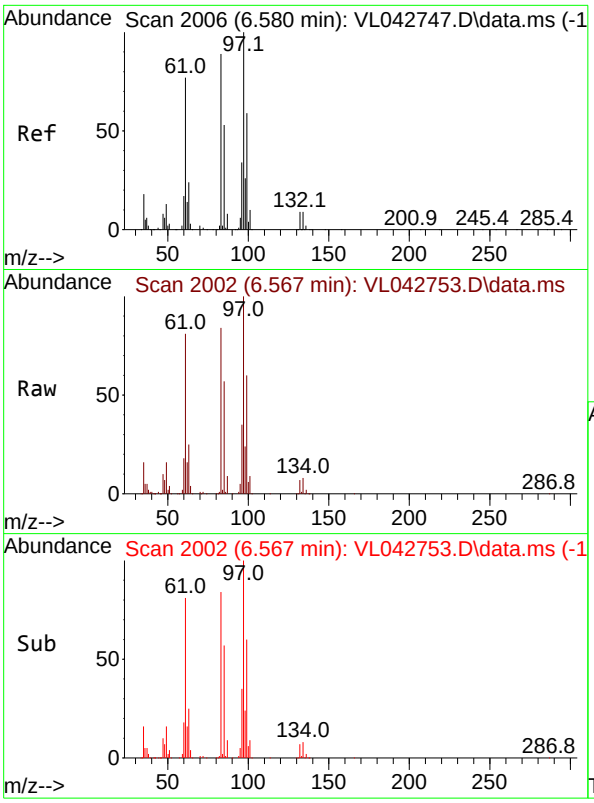


#46
cis-1,3-Dichloropropene
Concen: 16.115 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850

Ion	Ratio	Lower	Upper
75	100		
39	74.8	60.2	90.2
77	30.2	22.6	34.0

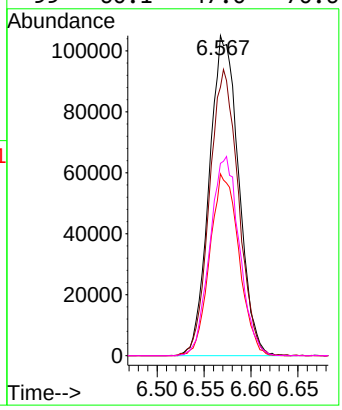




#47
1,1,2-Trichloroethane
Concen: 14.335 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 22849

Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.1	106.7
85	56.7	43.0	64.4
99	60.1	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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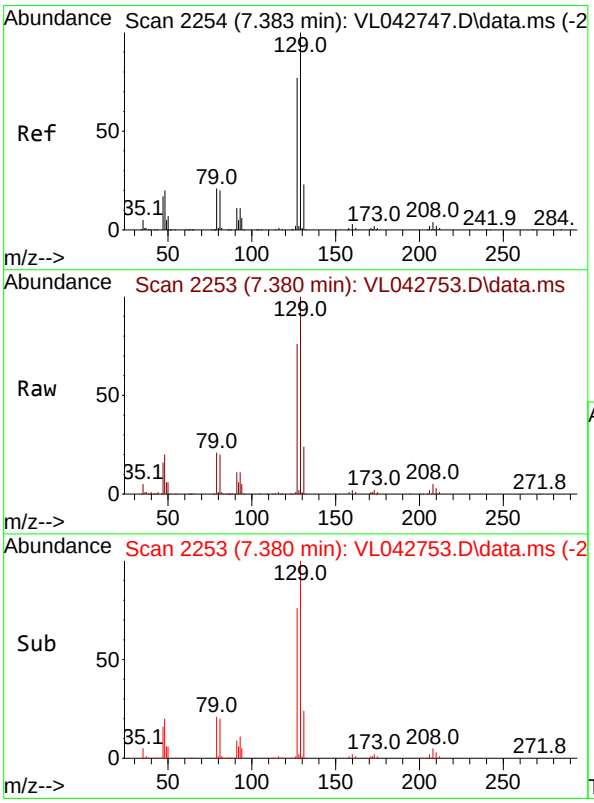
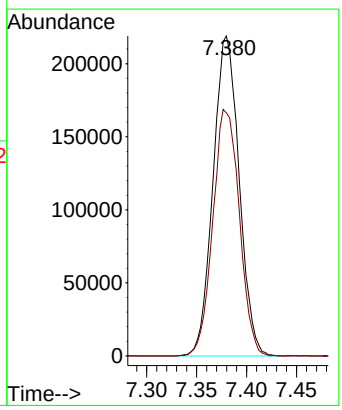
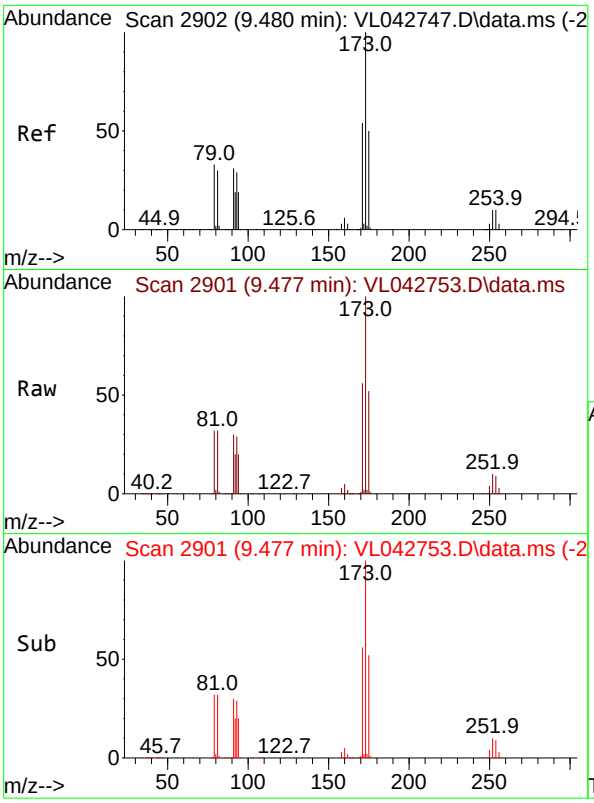


#48
Dibromochloromethane
Concen: 15.695 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:129 Resp: 397179

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.7	116.1

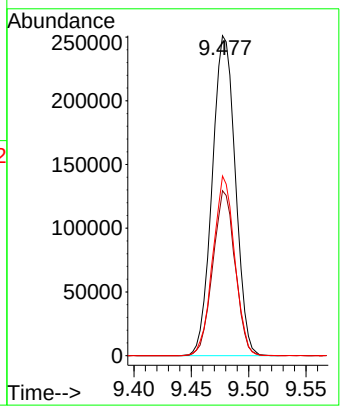




#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:173 Resp: 35205

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.4	57.6
171	53.1	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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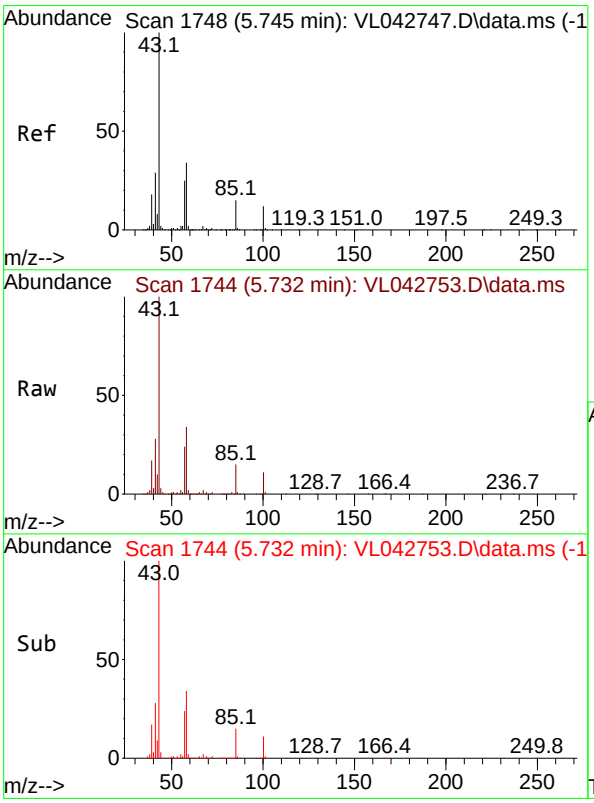
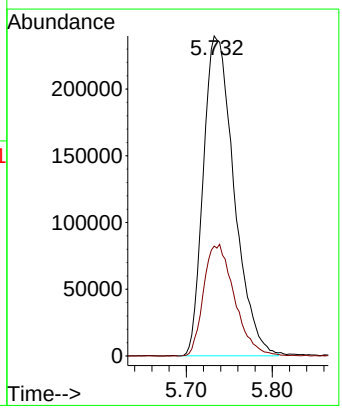
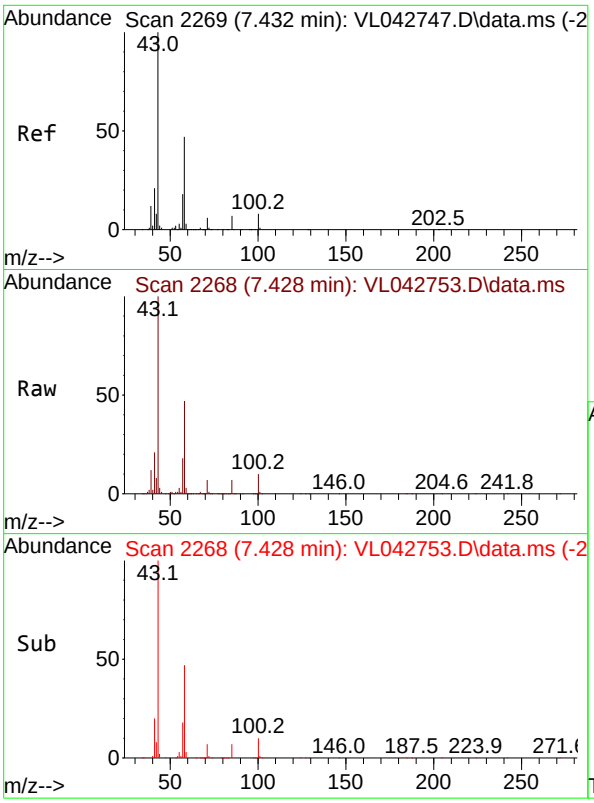


#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 594973

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.8





#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 48532

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.4	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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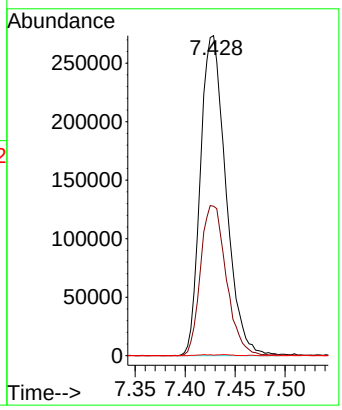
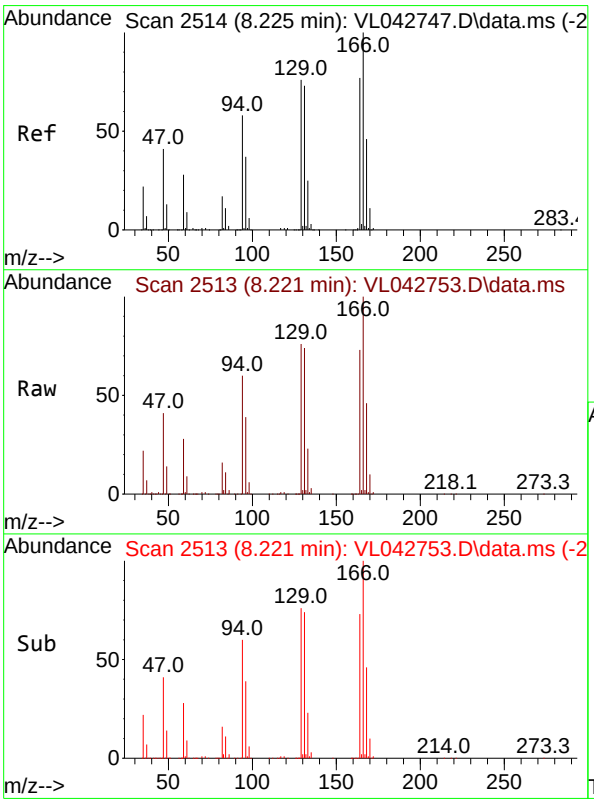
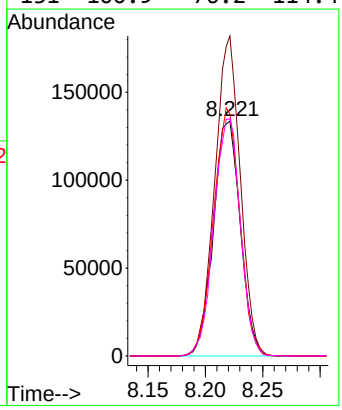


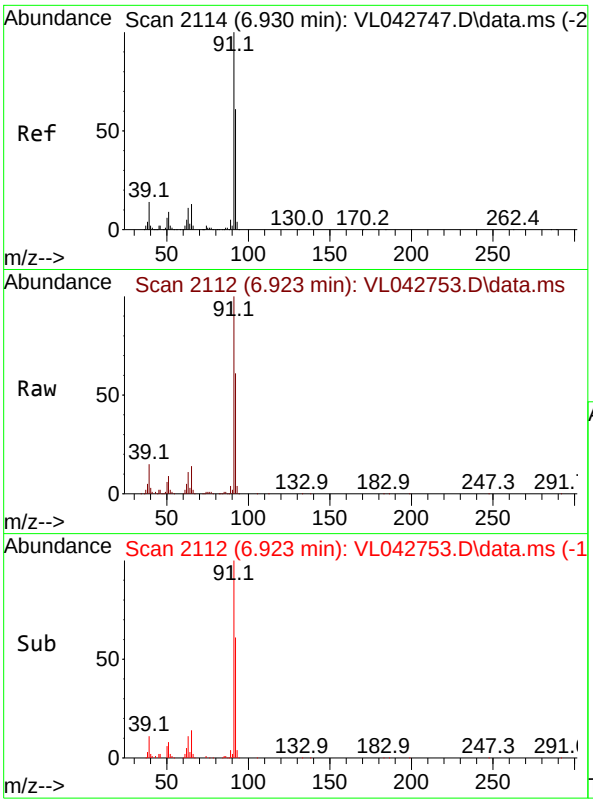


#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:164 Resp: 217184

Ion	Ratio	Lower	Upper
164	100		
166	136.3	104.0	156.0
129	103.1	79.2	118.8
131	100.9	76.2	114.4

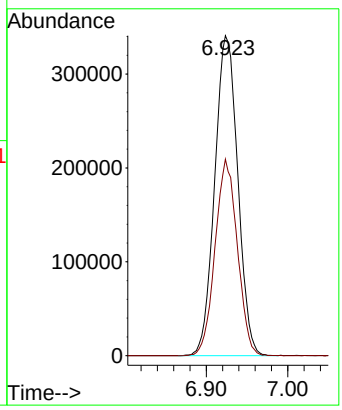




#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 67014

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0



Instrument :
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ClientSampleId :
VSTDICC015

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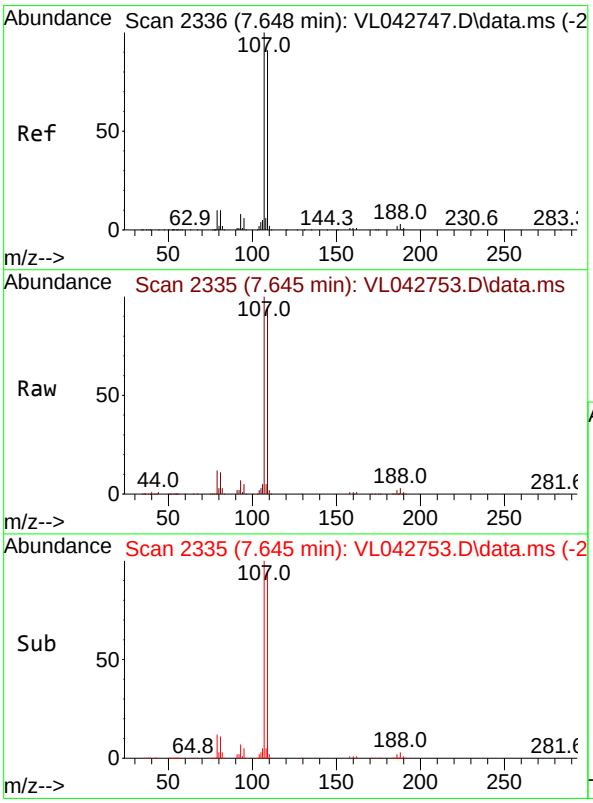
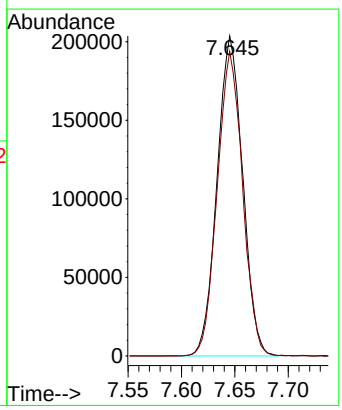
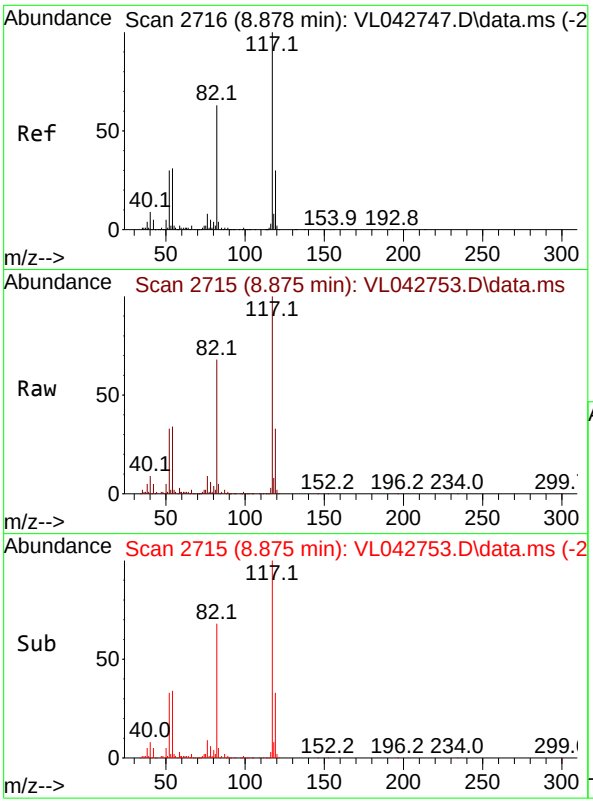


#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:107 Resp: 338867

Ion	Ratio	Lower	Upper
107	100		
109	95.1	72.7	109.1

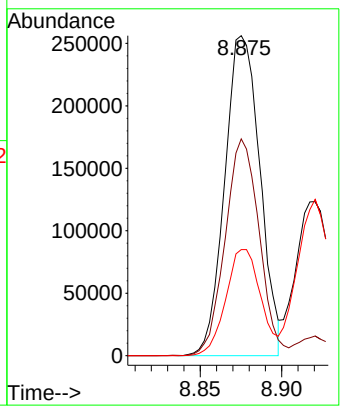




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:117 Resp: 38522

Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.3	79.9
119	32.3	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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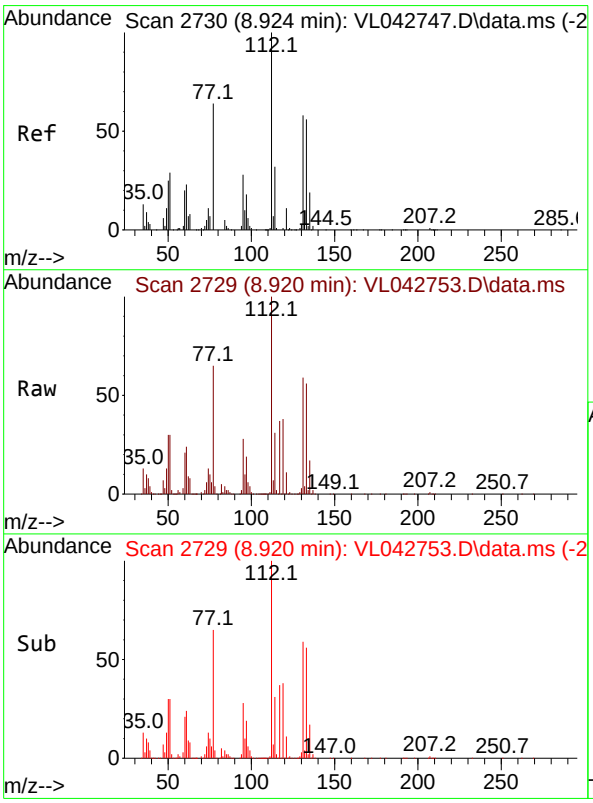
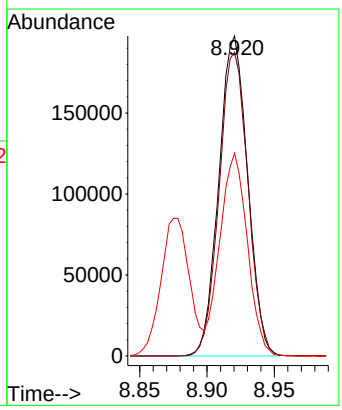
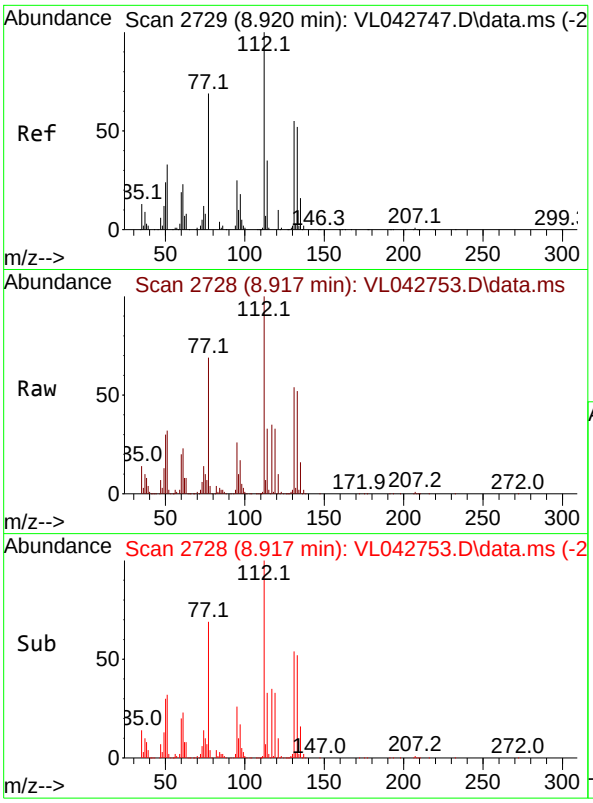


#56
1,1,1,2-Tetrachloroethane
Concen: 14.648 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:131 Resp: 293384

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.8	115.2
119	60.7	49.7	74.5

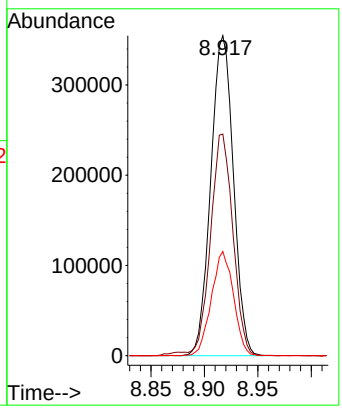




#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:112 Resp: 52289

Ion	Ratio	Lower	Upper
112	100		
77	69.2	56.4	84.6
114	32.6	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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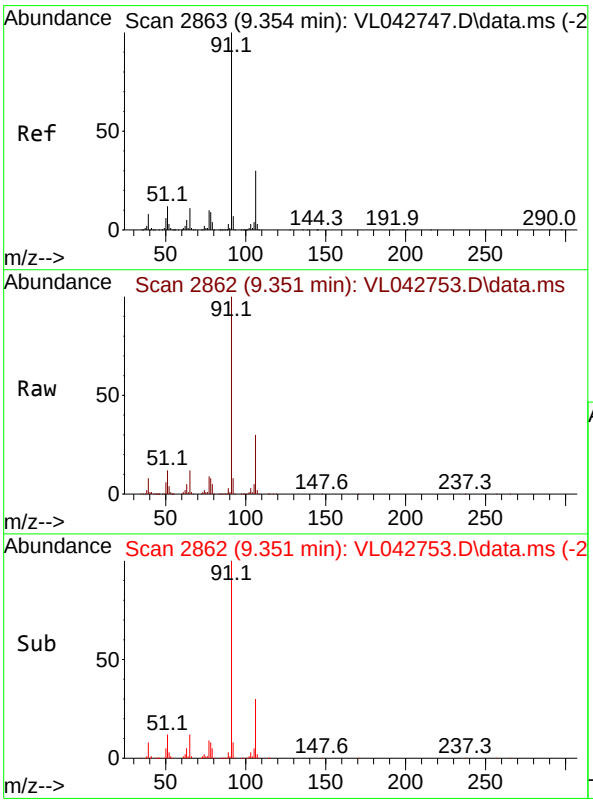
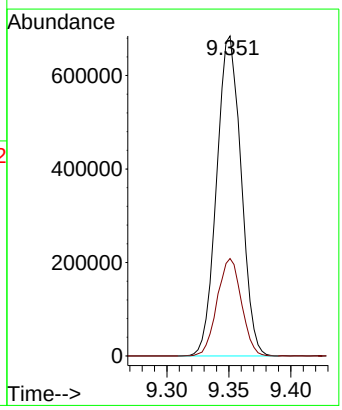
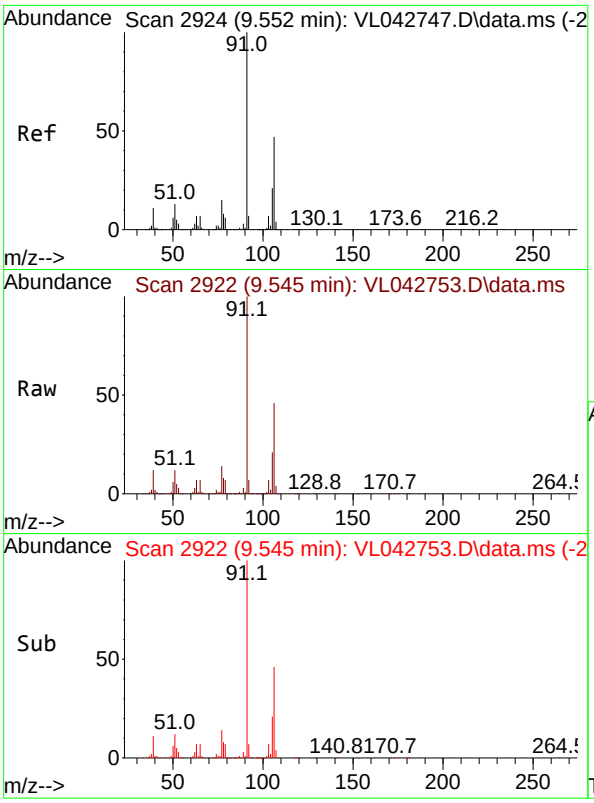


#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 940159

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6





#59
m/p-Xylene
Concen: 30.800 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 149793

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
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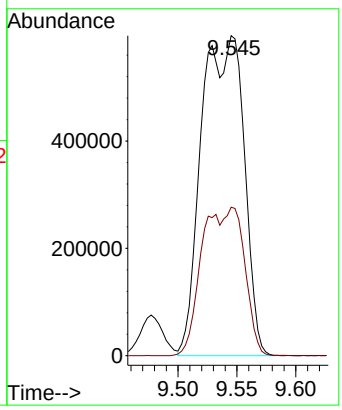
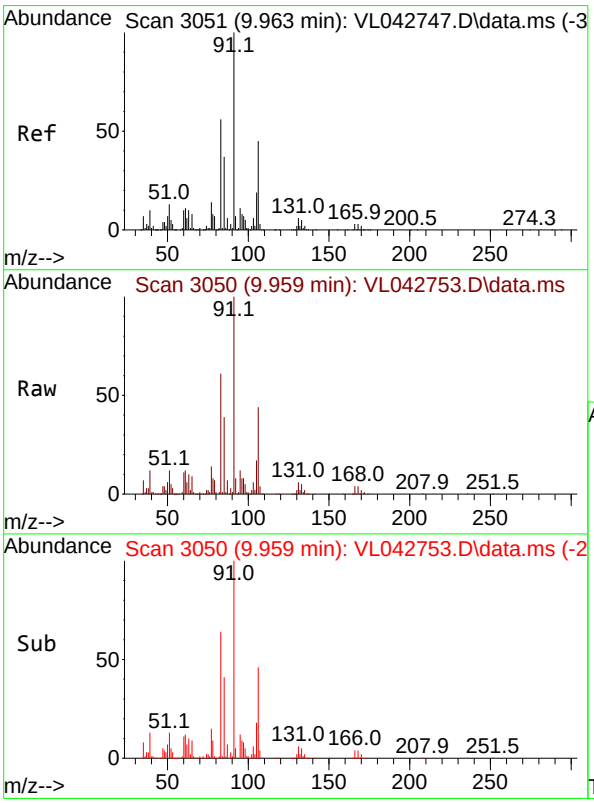
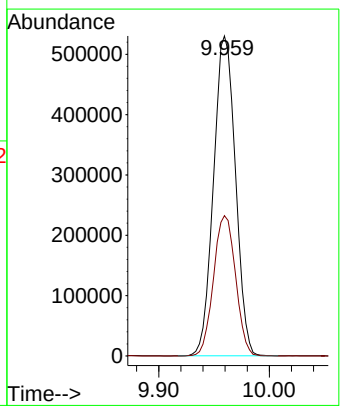


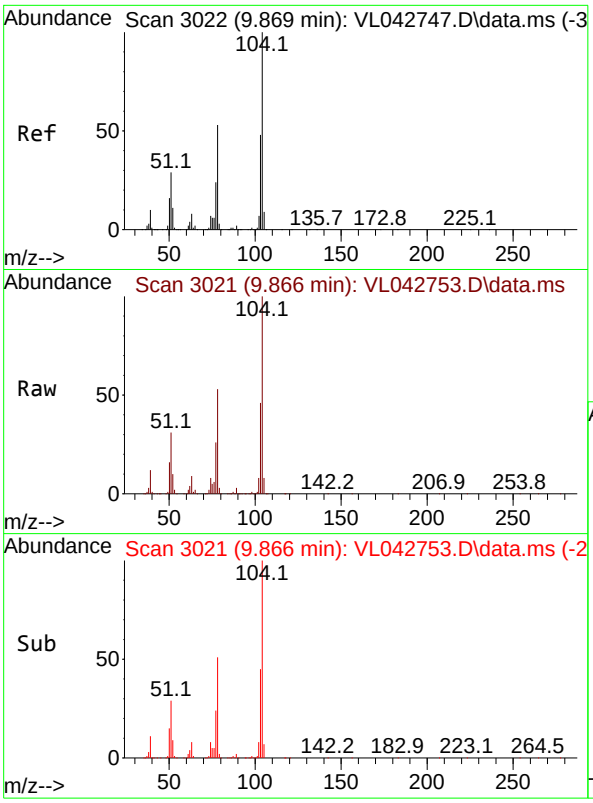


#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 730161

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.0	66.0

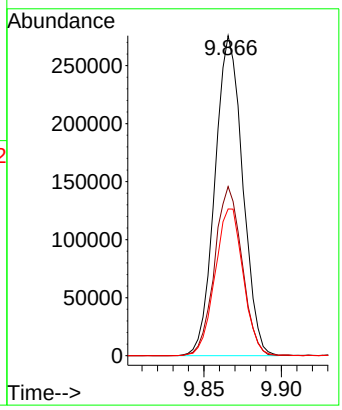




#61
Styrene
Concen: 16.805 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:104 Resp: 34342

Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.5	62.3
103	46.9	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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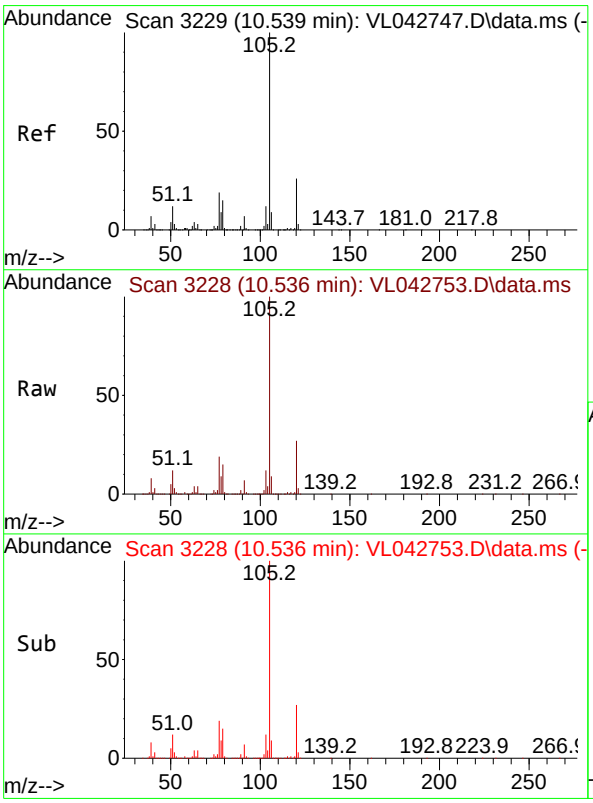
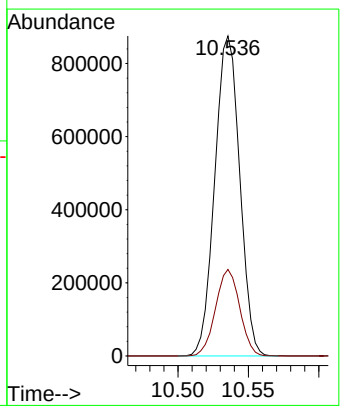
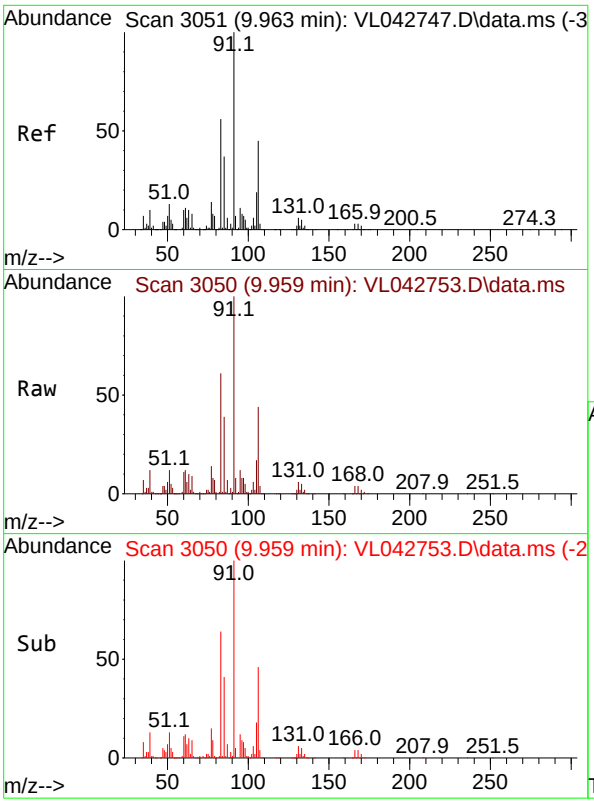


#62
Isopropylbenzene
Concen: 15.049 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 1078393

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7

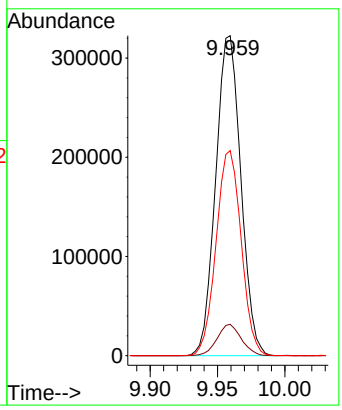




#63
1,1,2,2-Tetrachloroethane
Concen: 13.261 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 41973

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.8	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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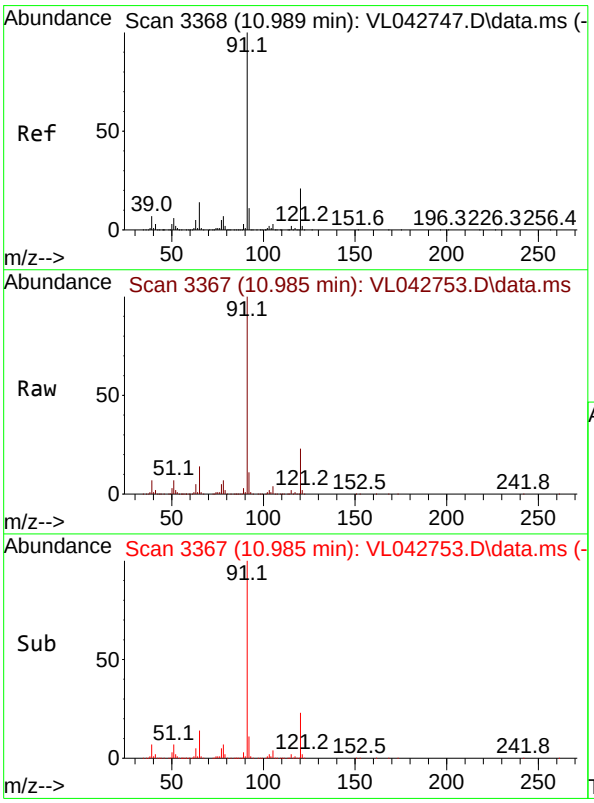
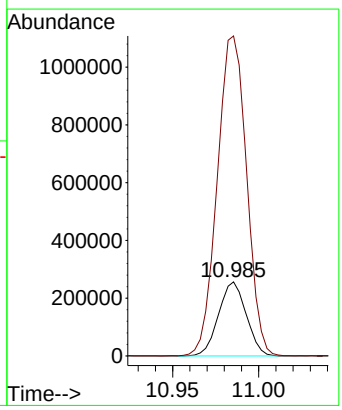
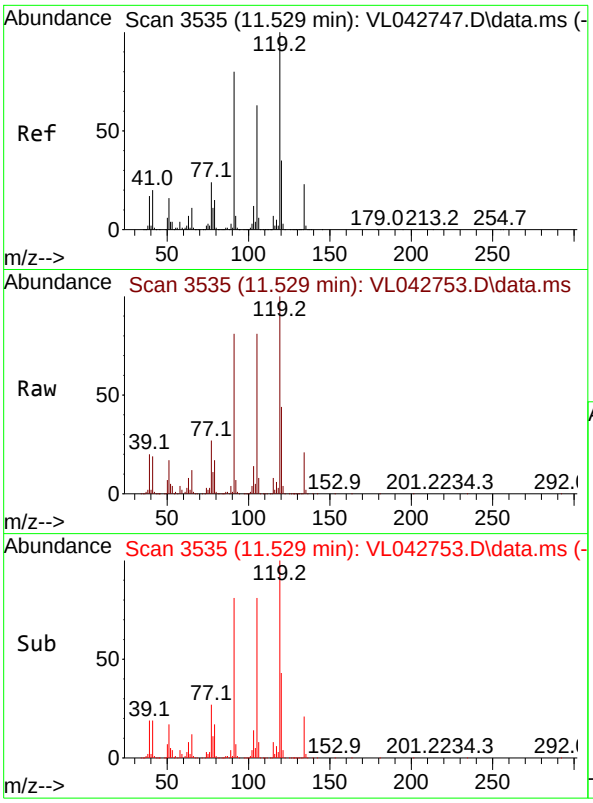


#64
n-propylbenzene
Concen: 15.348 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:120 Resp: 286724

Ion	Ratio	Lower	Upper
120	100		
91	458.1	372.7	559.1

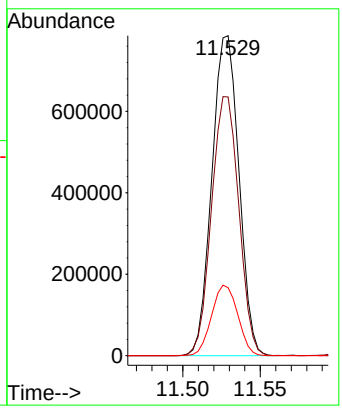




#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:119 Resp: 95445

Ion	Ratio	Lower	Upper
119	100		
91	81.9	64.0	96.0
134	21.4	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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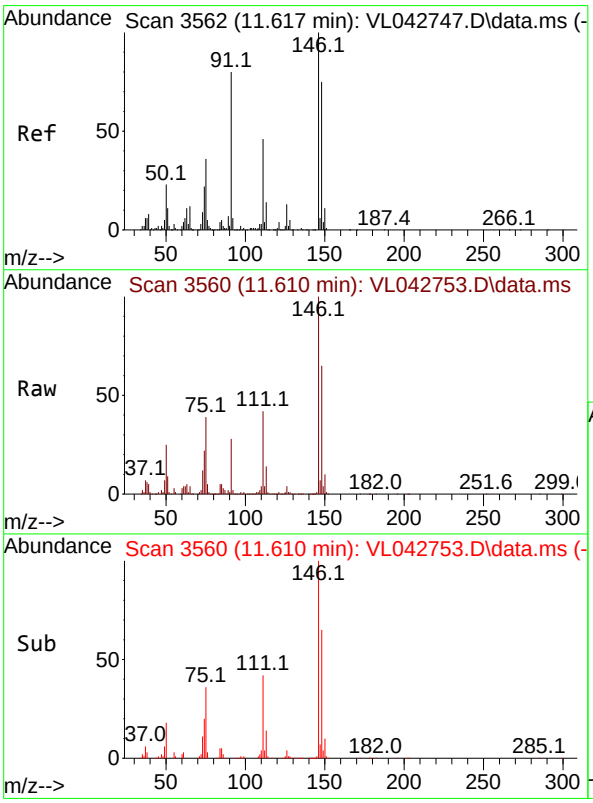
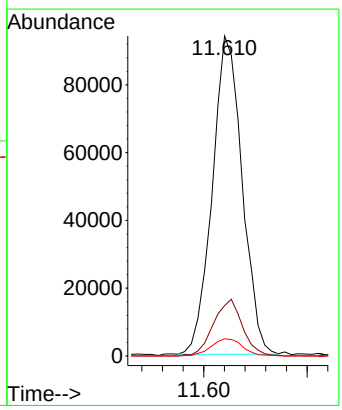
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

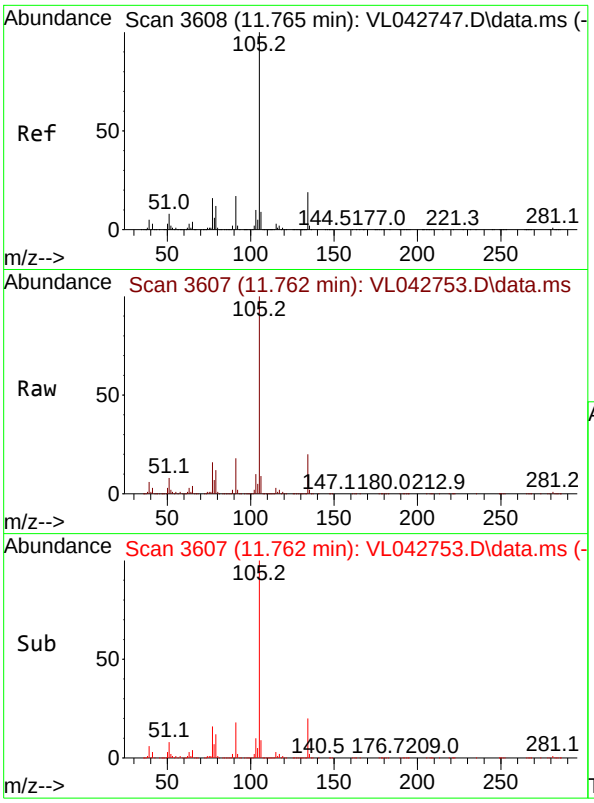


#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 94218

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.7	5.2	7.8

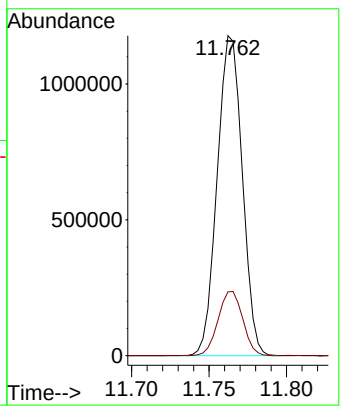




#67
sec-Butylbenzene
Concen: 14.662 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 132739

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3



Instrument :
MSVOA_L
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VSTDICC015

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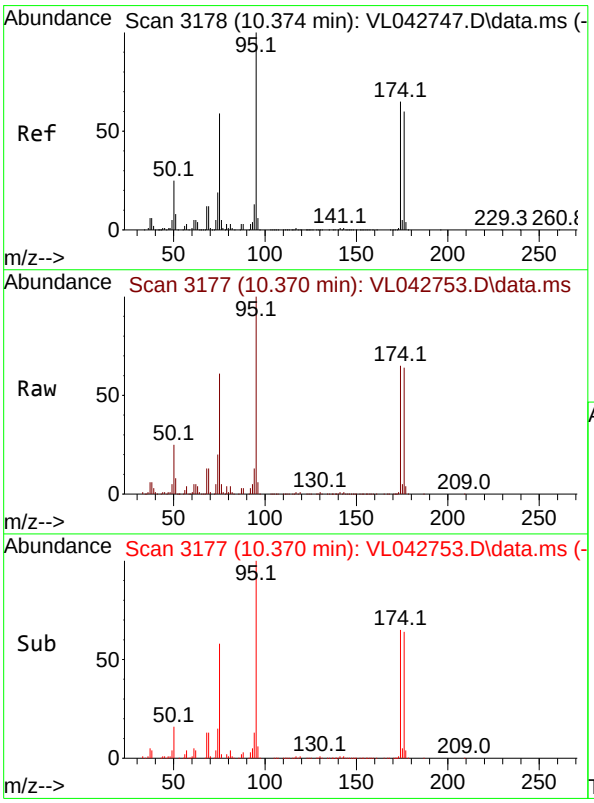
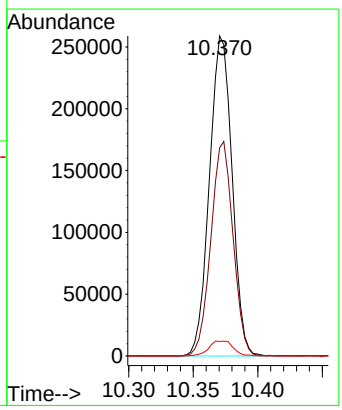
Supervised By :Mahesh Dadoda 07/24/2025

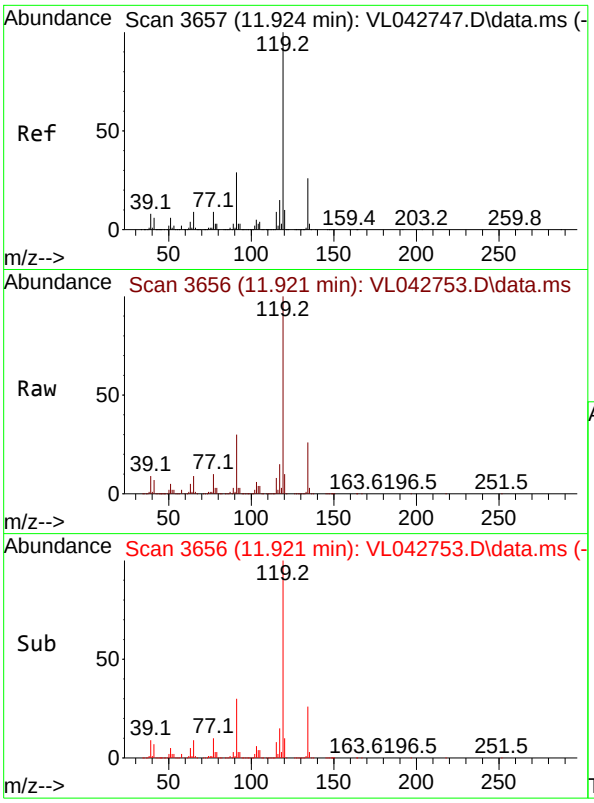


#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 95 Resp: 315293

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	5.0	4.0	6.0

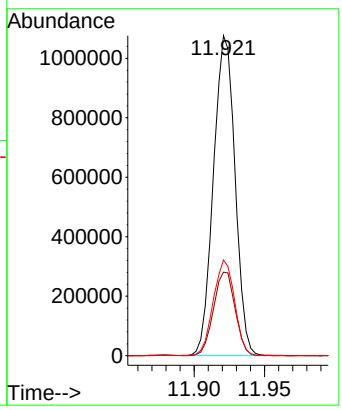




#69
p-Isopropyltoluene
Concen: 15.571 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:119 Resp: 114941

Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	29.6	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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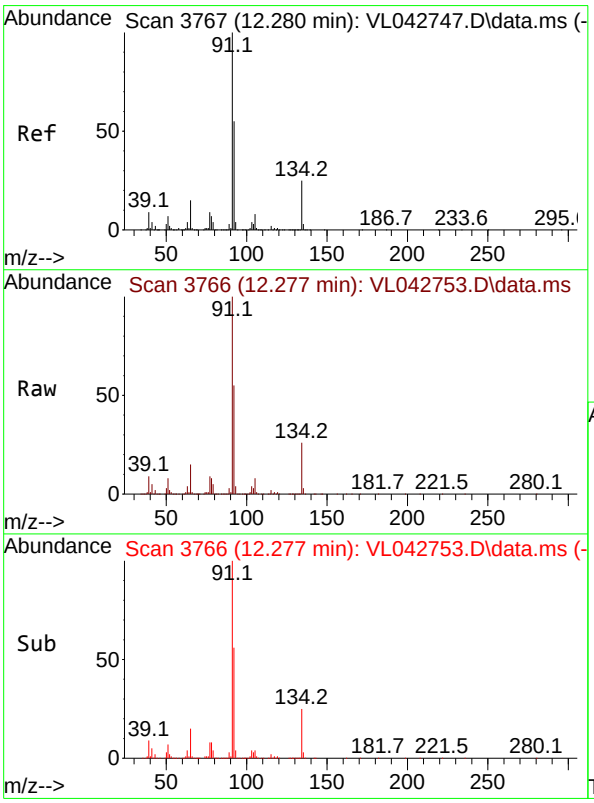
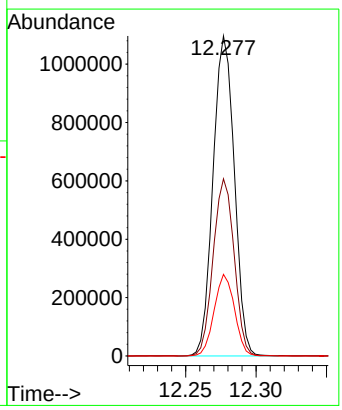
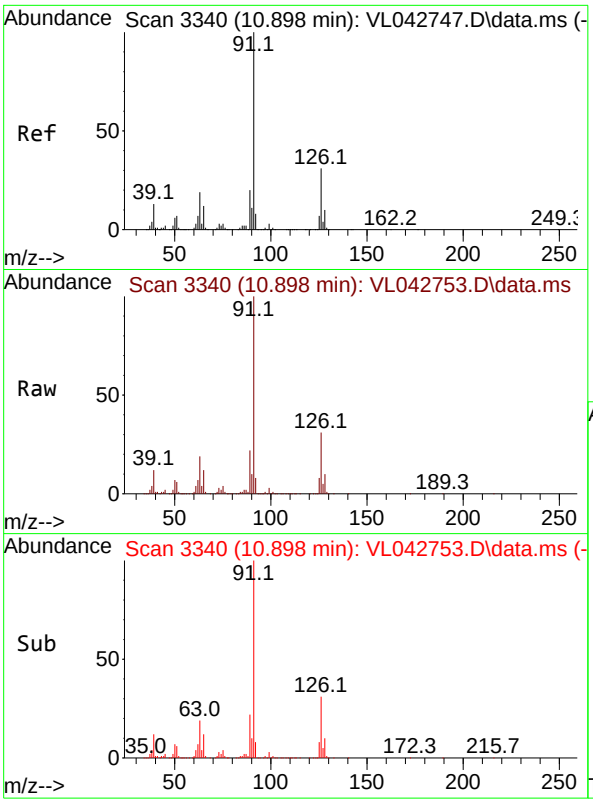


#70
n-Butylbenzene
Concen: 16.159 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 1152207

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.4	65.2
134	24.5	19.6	29.4

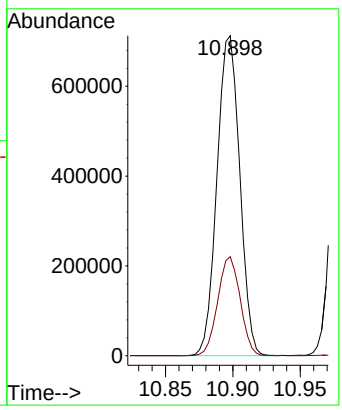




#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 83833

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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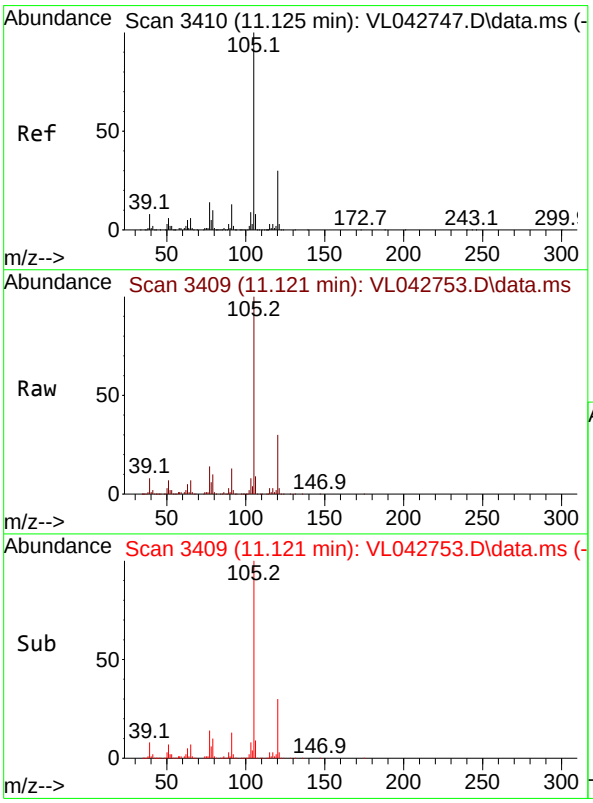
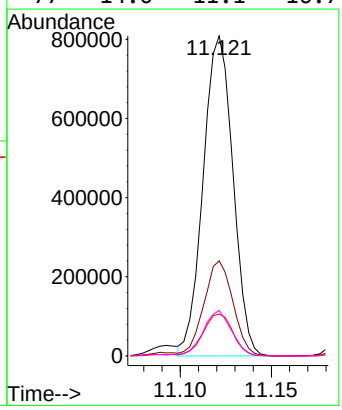
Supervised By :Mahesh Dadoda 07/24/2025

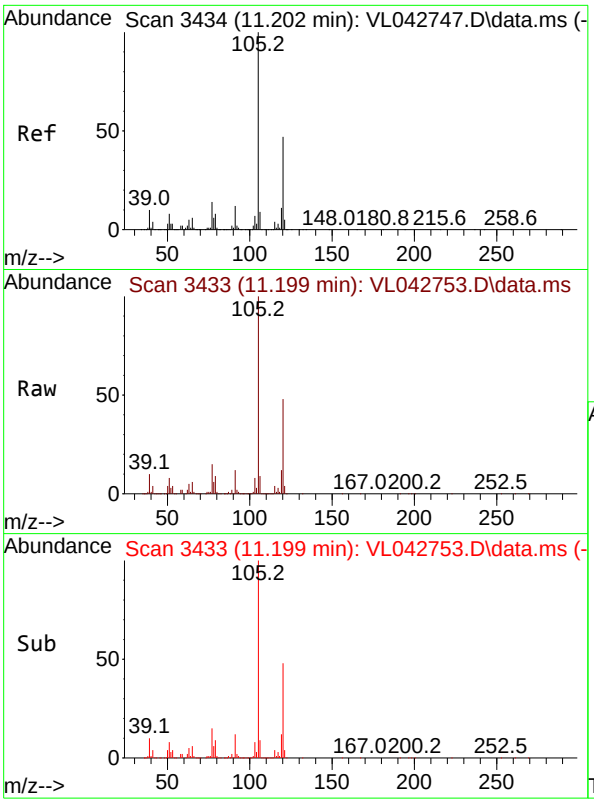


#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 918453

Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.4	36.6
91	13.5	10.6	15.8
77	14.0	11.1	16.7

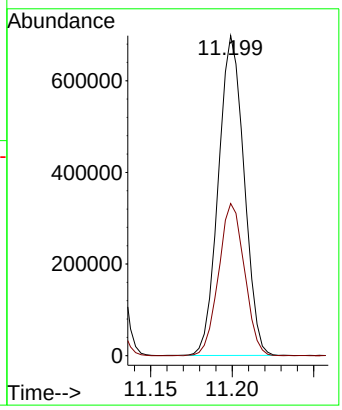




#73
1,3,5-Trimethylbenzene
Concen: 15.977 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 76321

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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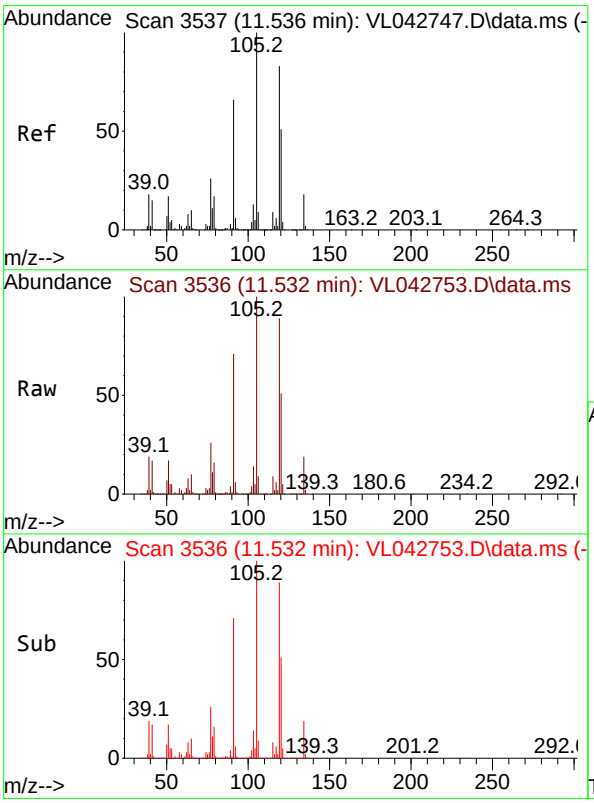
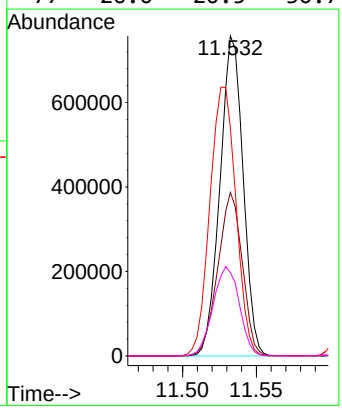
Supervised By :Mahesh Dadoda 07/24/2025

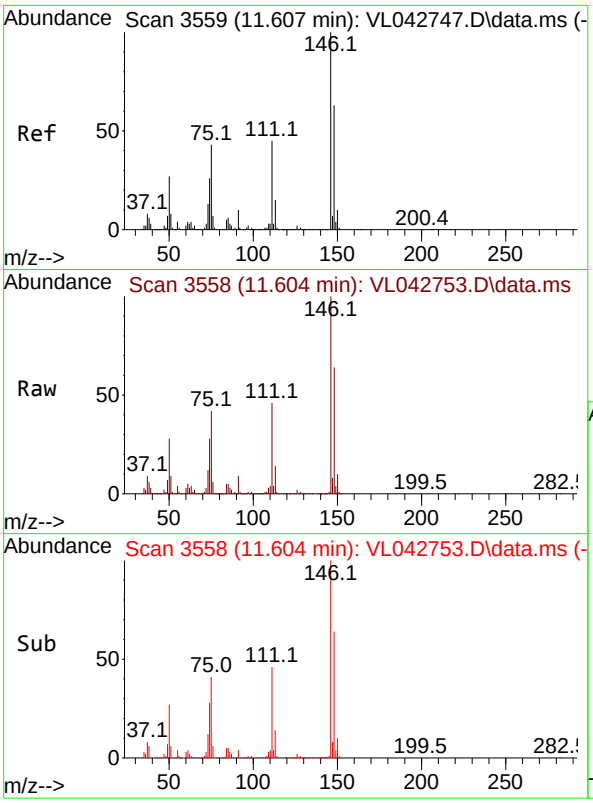


#74
1,2,4-Trimethylbenzene
Concen: 15.873 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

Ion	Ratio	Lower	Upper
105	100		
120	51.1	40.8	61.2
91	71.2	53.0	79.4
77	26.0	20.5	30.7

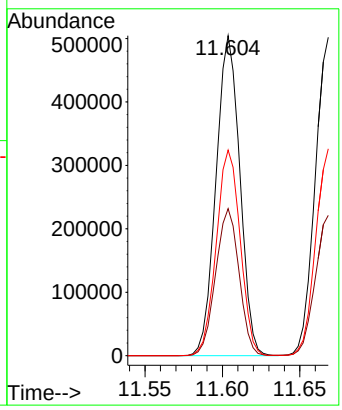




#75
1,3-Dichlorobenzene
Concen: 14.761 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 53928

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	64.6	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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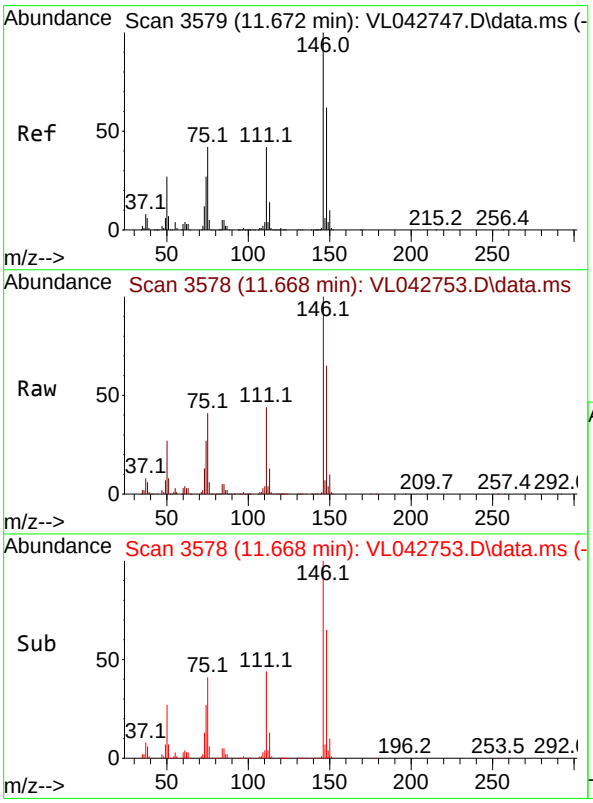
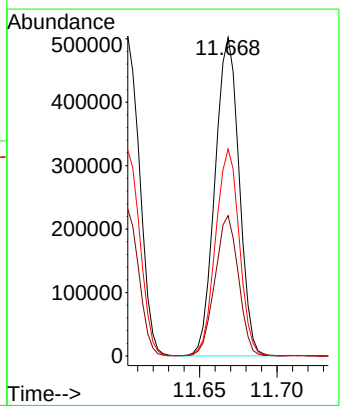
Supervised By :Mahesh Dadoda 07/24/2025

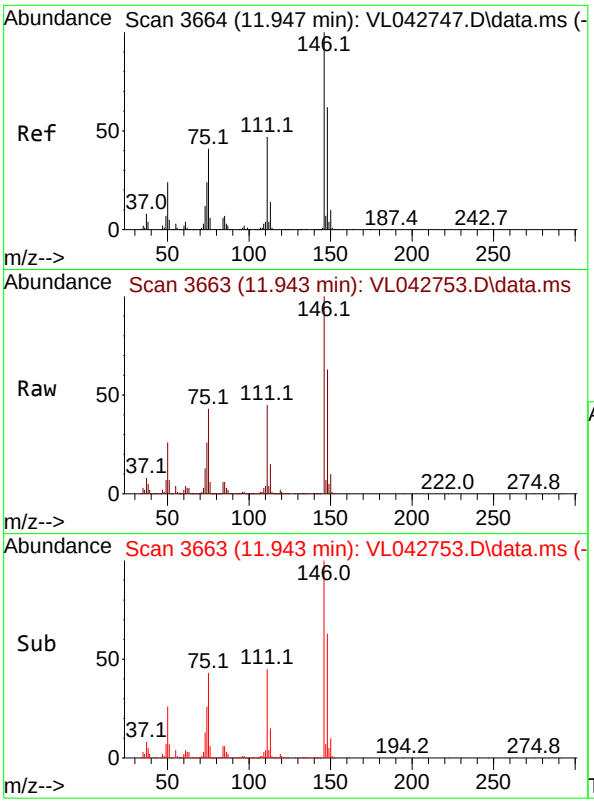


#76
1,4-Dichlorobenzene
Concen: 15.188 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 542998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	64.3	32.1	96.3

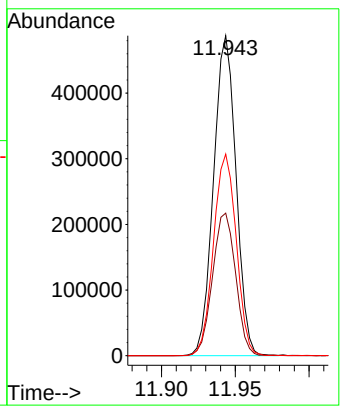




#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 51671

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.0	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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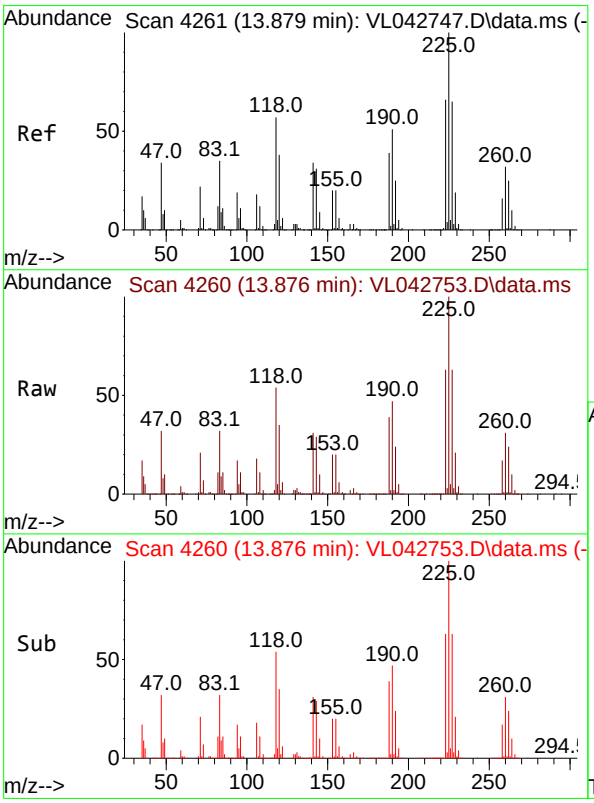
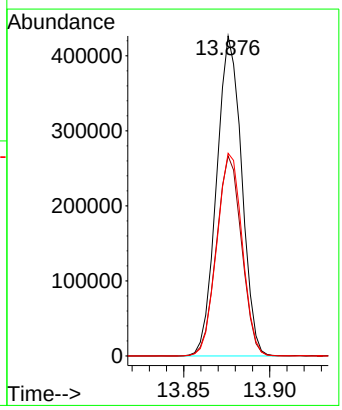
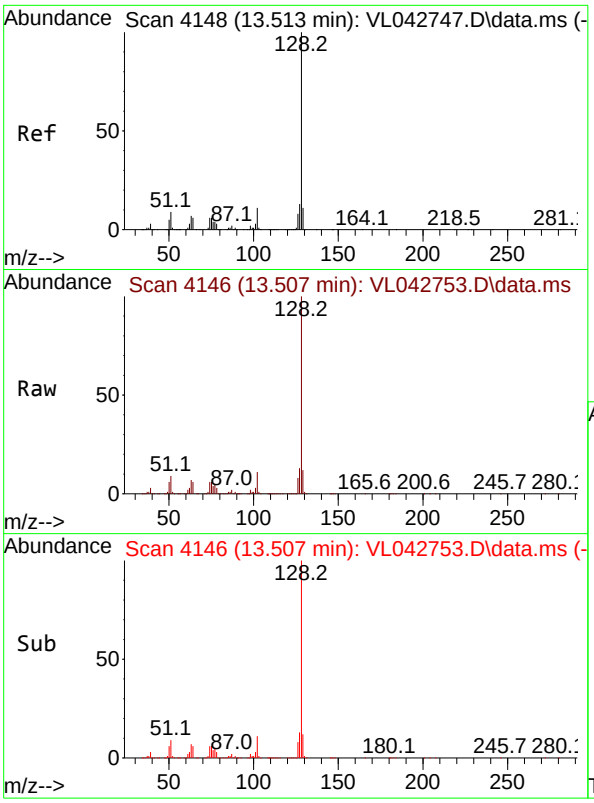


#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:225 Resp: 432138

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	64.3	50.5	75.7

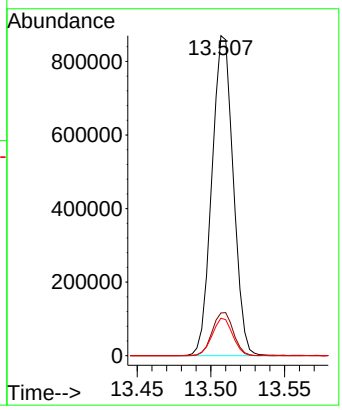




#79
Naphthalene
Concen: 15.265 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:128 Resp: 87673

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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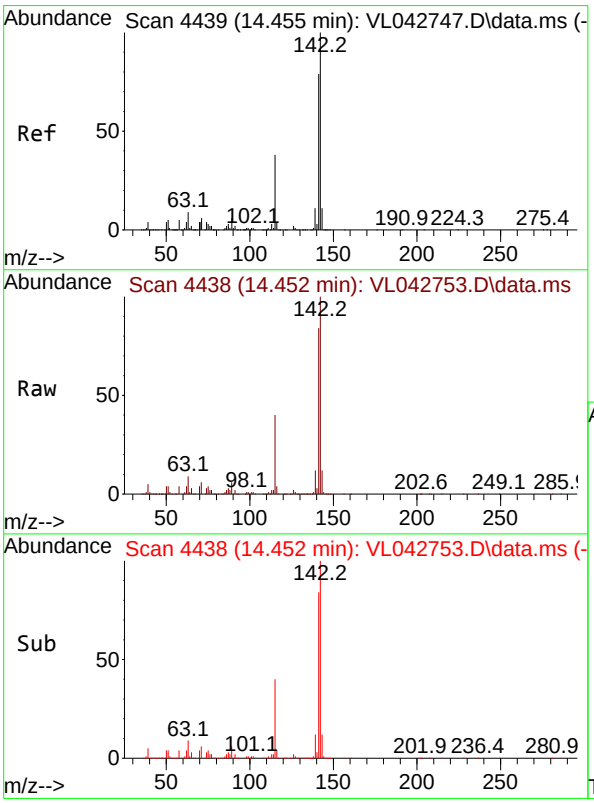
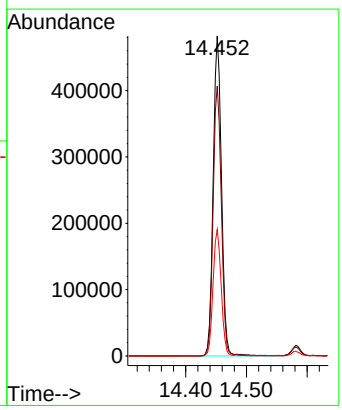
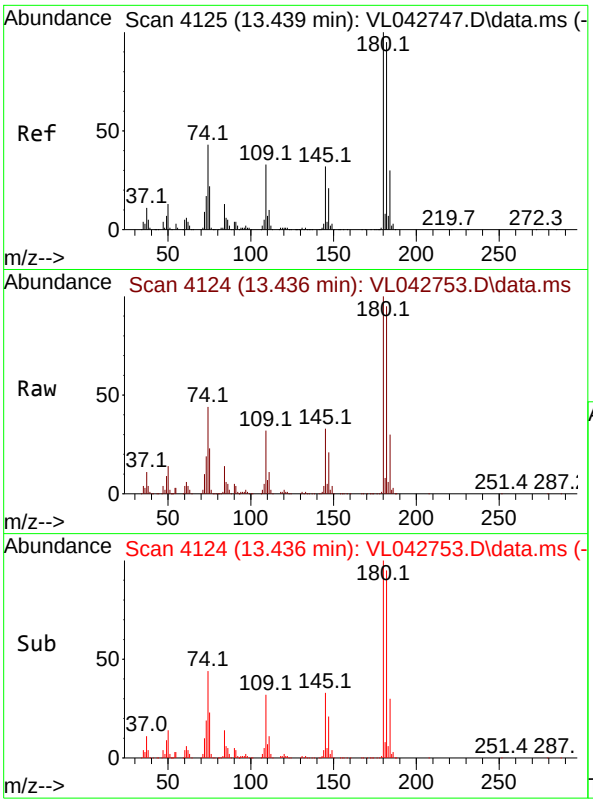


#80
Naphthalene,2-methyl-
Concen: 15.438 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:142 Resp: 456529

Ion	Ratio	Lower	Upper
142	100		
141	84.4	65.8	98.8
115	39.2	31.2	46.8

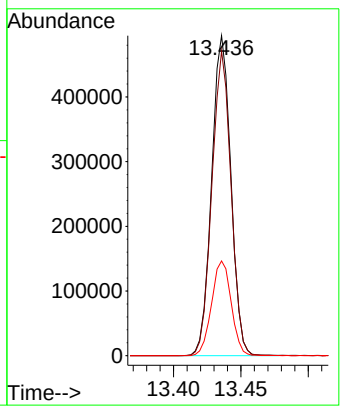




#81
1,2,4-Trichlorobenzene
Concen: 15.200 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:180 Resp: 49057

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.3	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	152358	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	438604	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	393042	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	298283	9.583	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	837	0.104	ppbv #	60
32) 1,1,1-Trichloroethane	3.363	97	3550	0.108	ppbv	96
35) Carbon Tetrachloride	3.758	117	3035m	0.093	ppbv	
38) Trichloroethene	4.555	130	2207m	0.110	ppbv	
52) Tetrachloroethene	8.222	164	1852m	0.107	ppbv	
54) 1,2-Dibromoethane	7.665	107	2184m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	3084m	0.095	ppbv	
79) Naphthalene	13.514	128	2509	0.475	ppbv #	96

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

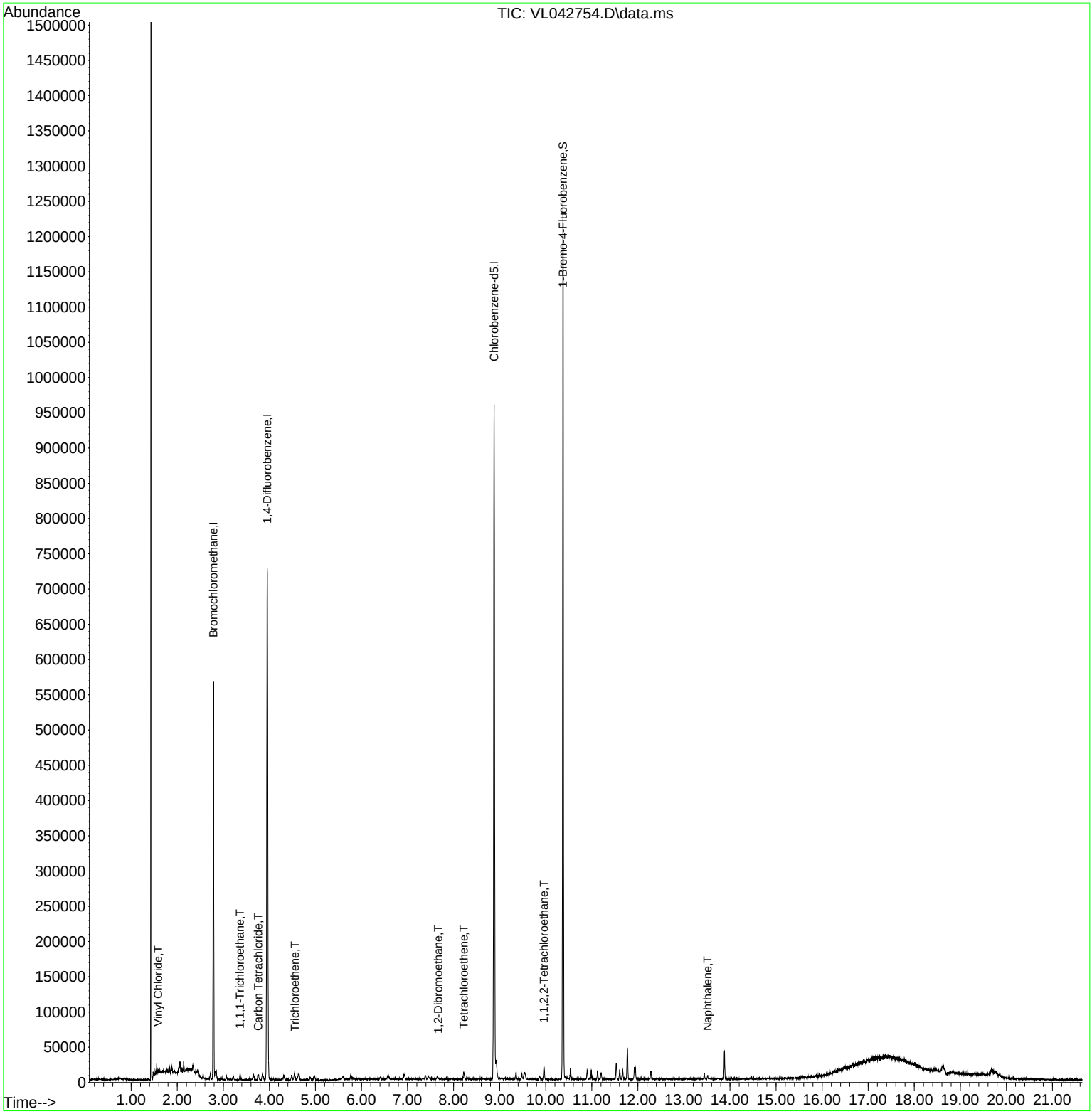
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

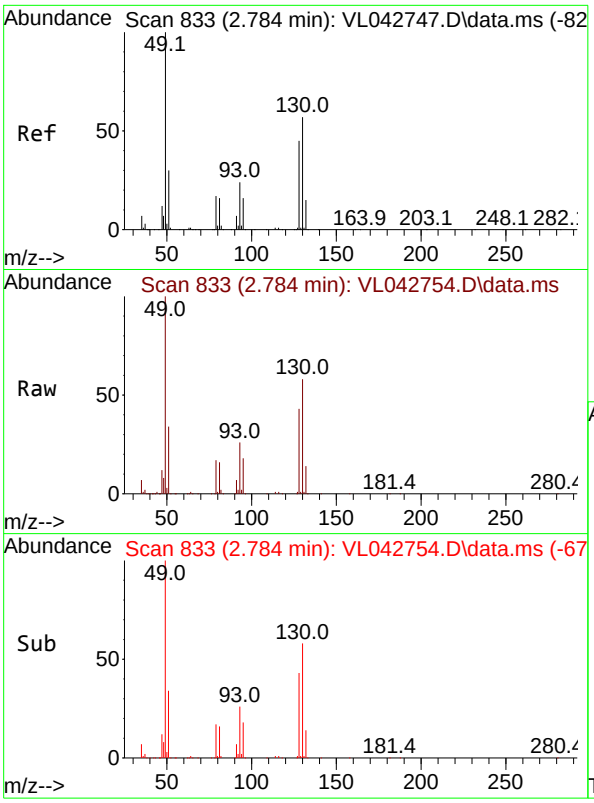
Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

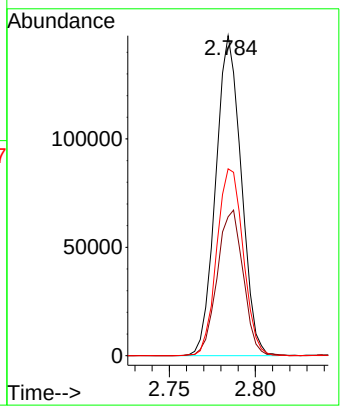




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 49 Resp: 15235

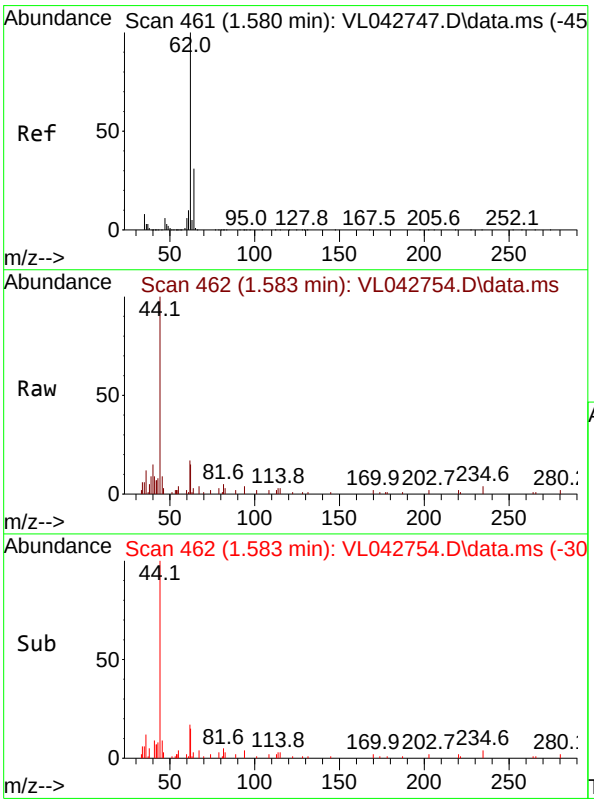
Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.6	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

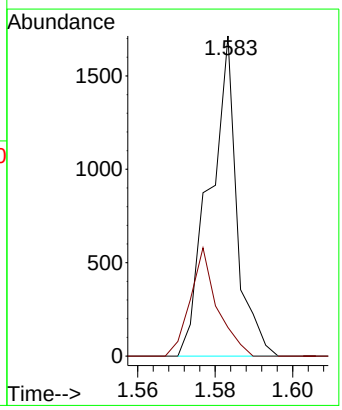
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

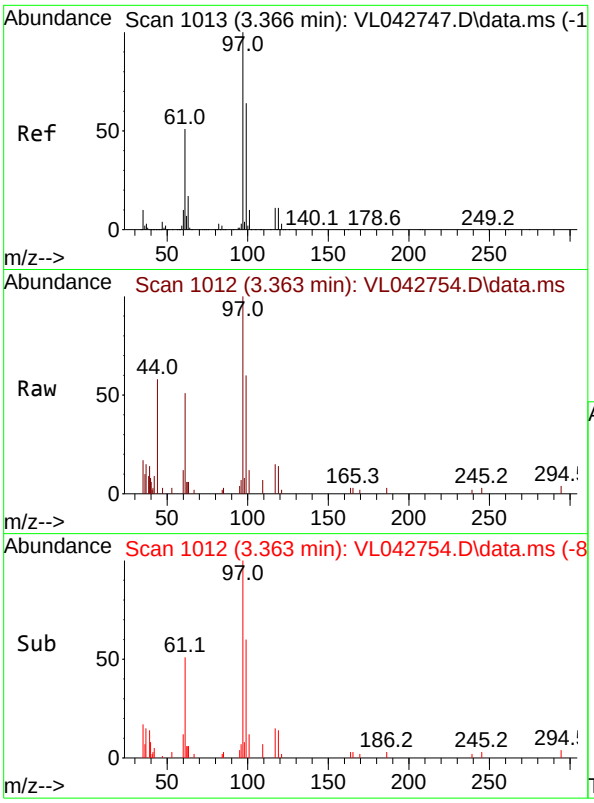


#5
Vinyl Chloride
Concen: 0.104 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 62 Resp: 837

Ion	Ratio	Lower	Upper
62	100		
64	8.9	24.5	36.7#

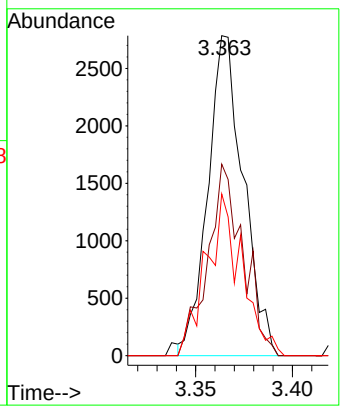




#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv
RT: 3.363 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 97 Resp: 355

Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.0	76.6
61	50.4	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
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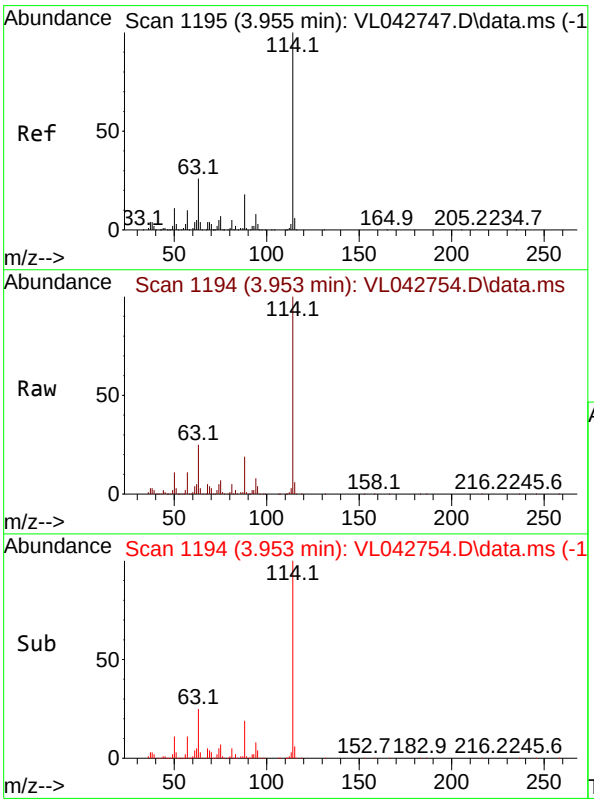
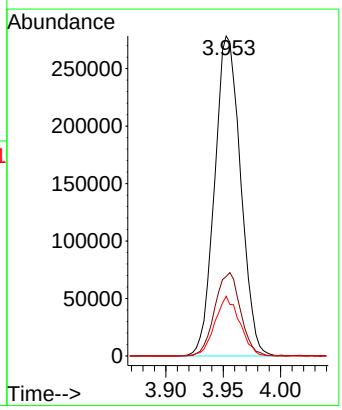
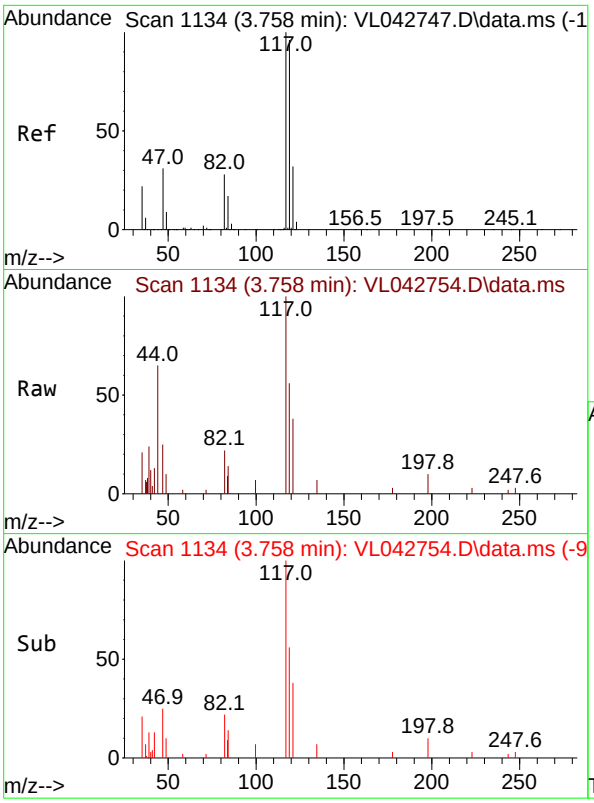


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:114 Resp: 438604

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0

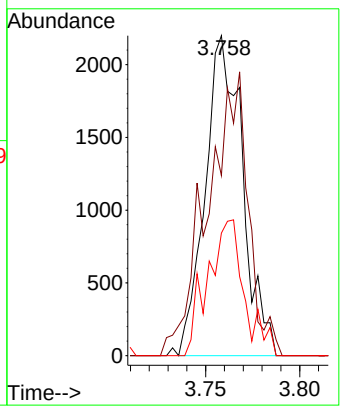




#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 3.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:117 Resp: 303

Ion	Ratio	Lower	Upper
117	100		
119	56.3	77.1	115.7#
121	38.3	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
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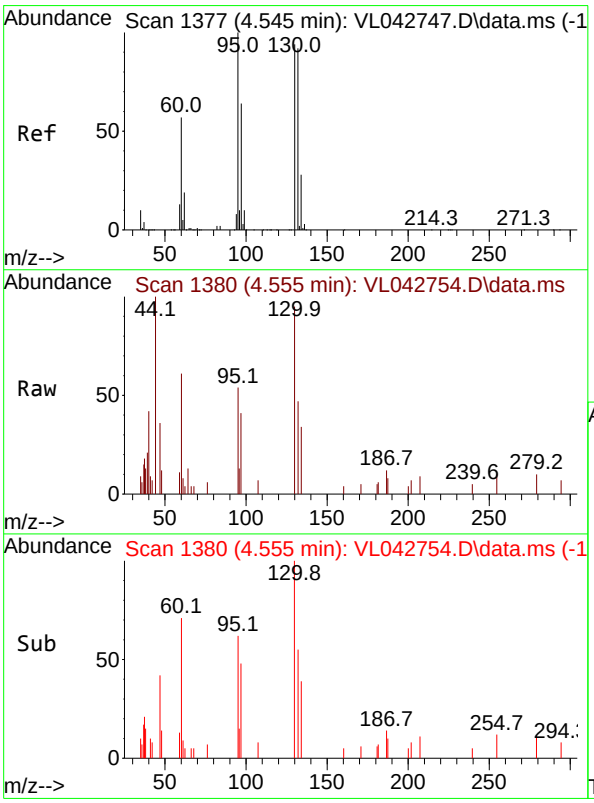
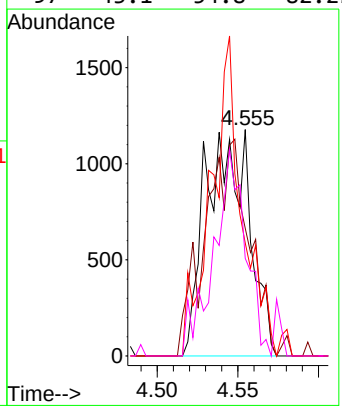
Supervised By :Mahesh Dadoda 07/24/2025

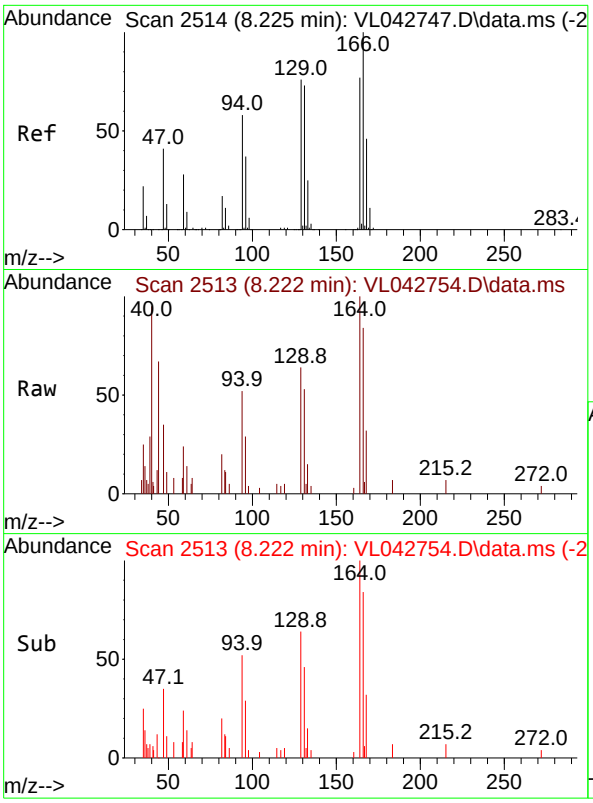


#38
Trichloroethene
Concen: 0.110 ppbv m
RT: 4.555 min Scan# 1380
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:130 Resp: 2207

Ion	Ratio	Lower	Upper
130	100		
95	56.4	85.4	128.2#
132	49.9	78.2	117.2#
97	43.1	54.8	82.2#

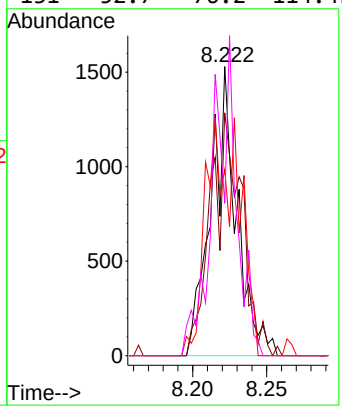




#52
Tetrachloroethene
Concen: 0.107 ppbv m
RT: 8.222 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:164 Resp: 185

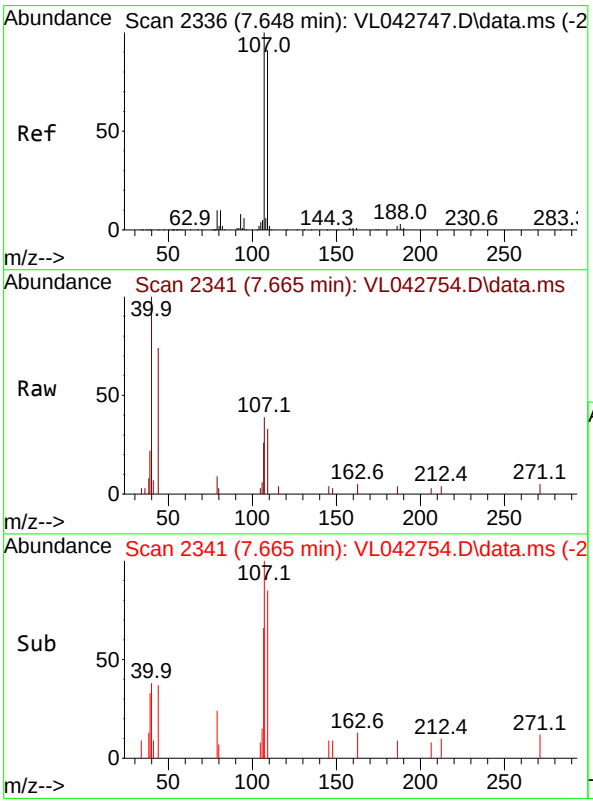
Ion	Ratio	Lower	Upper
164	100		
166	84.0	104.0	156.0#
129	64.3	79.2	118.8#
131	52.7	76.2	114.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

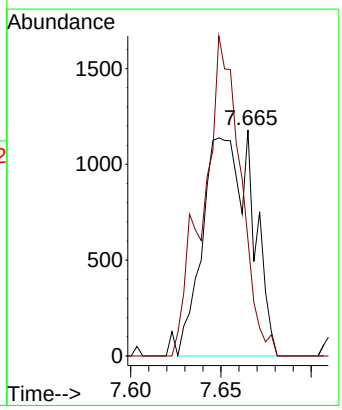
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

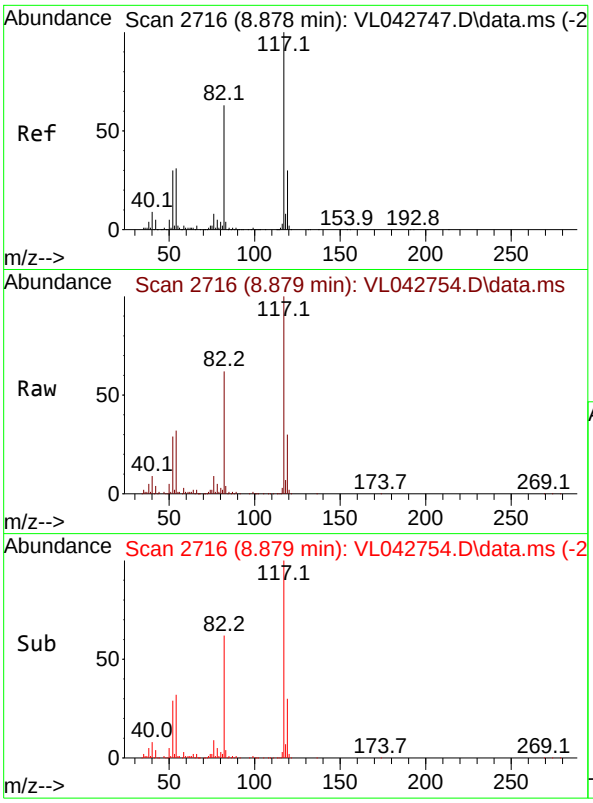


#54
1,2-Dibromoethane
Concen: 0.094 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:107 Resp: 2184

Ion	Ratio	Lower	Upper
107	100		
109	85.2	72.7	109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

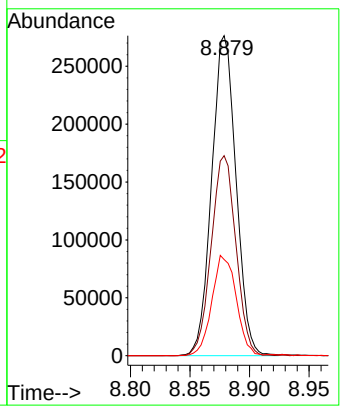
Tgt Ion:117 Resp: 39304

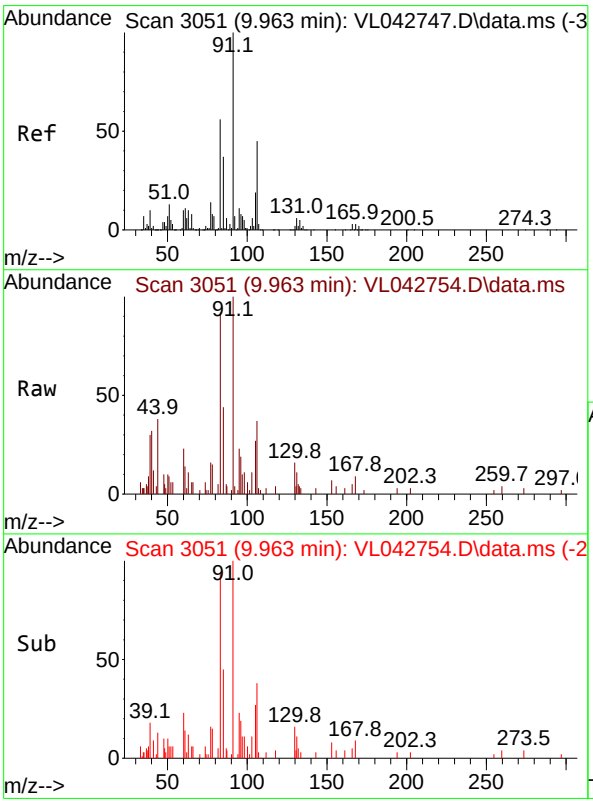
Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.3	79.9
119	31.7	25.8	38.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

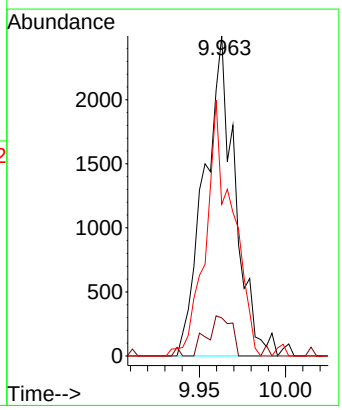


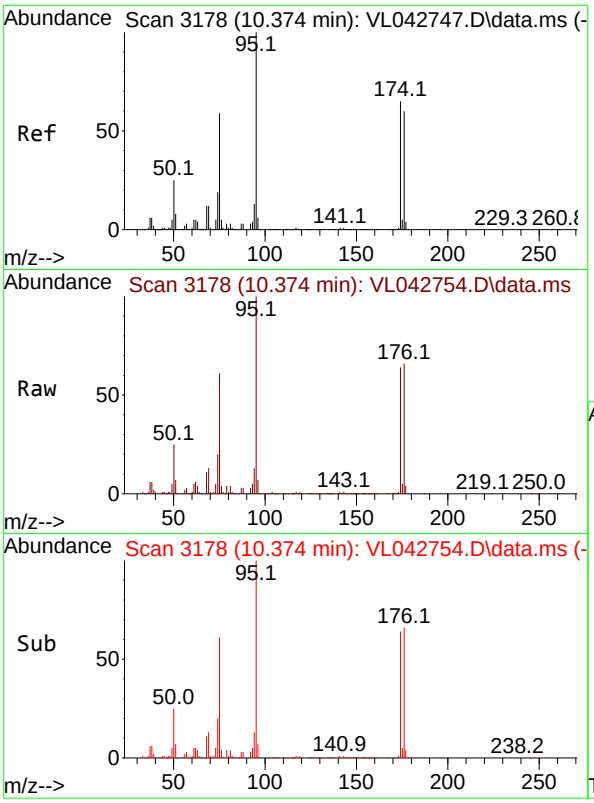


#63
1,1,2,2-Tetrachloroethane
Concen: 0.095 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 83 Resp: 3084

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	70.7	32.6	97.7

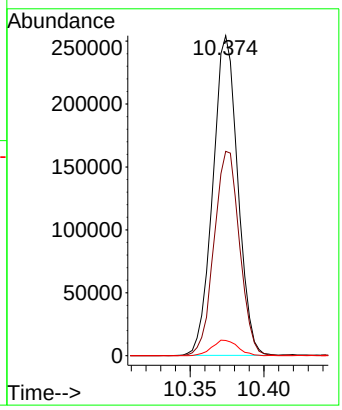




#68
1-Bromo-4-Fluorobenzene
Concen: 9.583 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 95 Resp: 29828

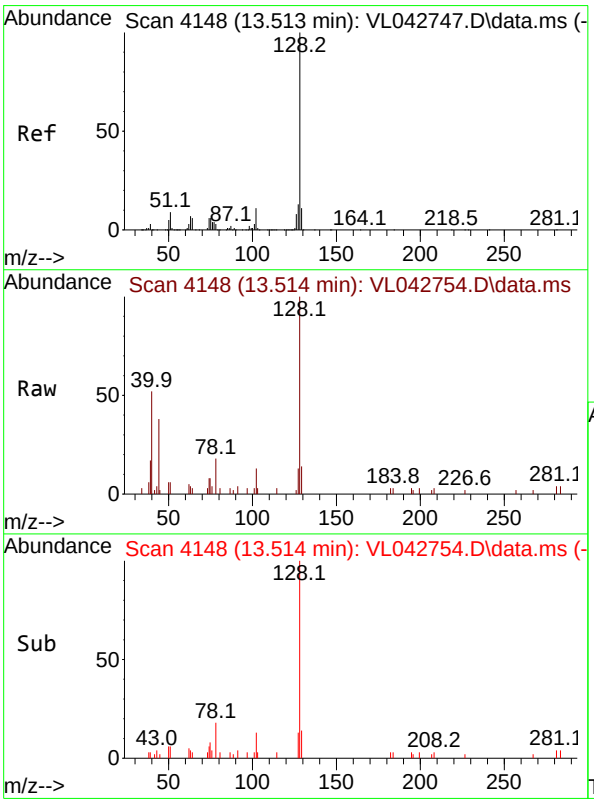
Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

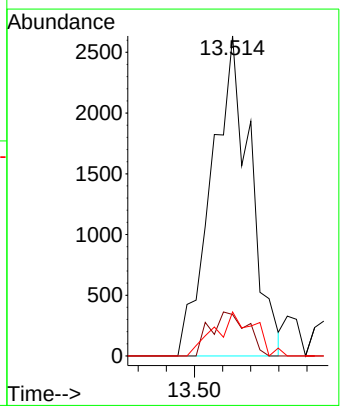
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.514 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:128 Resp: 2509

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.7	8.6	13.0#



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	148064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	380539	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	313324	10.397	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185425	9.472	ppbv	99
3) Chlorodifluoromethane	1.473	51	242908	9.525	ppbv	99
4) Chloromethane	1.531	50	72221	9.119	ppbv	98
5) Vinyl Chloride	1.577	62	64673	8.265	ppbv	100
6) Bromomethane	1.664	94	27096	8.957	ppbv	99
7) Chloroethane	1.700	64	26125	8.641	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	148833	9.244	ppbv	100
9) Propene	1.479	41	86343	9.316	ppbv	95
10) Heptane	4.965	43	247934	9.921	ppbv	99
11) Trichlorofluoromethane	1.874	101	179643	8.902	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	138363	9.023	ppbv	98
13) Ethanol	1.719	45	7690	10.243	ppbv	92
14) Bromoethene	1.777	108	48972	9.020	ppbv	98
15) Acetone	1.832	43	149742	7.324	ppbv	99
16) 1,3-Butadiene	1.606	39	79112	9.072	ppbv	98
17) tert-Butyl alcohol	2.036	59	170096	9.225	ppbv	98
18) 1,1-Dichloroethene	2.030	96	62149	8.970	ppbv	96
19) Isopropyl Alcohol	1.881	45	97844	9.006	ppbv	99
20) Methylene Chloride	2.056	84	53608	8.320	ppbv	98
21) Allyl Chloride	2.091	41	118958	9.441	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	69482	9.322	ppbv	97
23) Vinyl Acetate	2.457	43	261938	10.568	ppbv	98
24) 1,1-Dichloroethane	2.402	63	137586	8.993	ppbv	99
25) Ethyl Acetate	2.829	43	444208	9.816	ppbv	99
26) Hexane	2.819	57	190523	9.597	ppbv	98
27) Carbon Disulfide	2.146	76	164040	9.652	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	85480	9.114	ppbv	98
29) Chloroform	2.842	83	295808	9.643	ppbv	99
30) Cyclohexane	3.849	84	164554	9.773	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	199970	9.802	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	293074	9.172	ppbv	100
34) 2-Butanone	2.551	43	294837	9.869	ppbv	99
35) Carbon Tetrachloride	3.755	117	310129	9.900	ppbv	96
36) Benzene	3.648	78	393085	9.834	ppbv	99
37) 1,2-Dichloroethane	3.211	62	238249	9.895	ppbv	100
38) Trichloroethene	4.538	130	178600	9.301	ppbv	97
39) 1,2-Dichloropropane	4.305	63	141316	9.578	ppbv	95
40) 1,4-Dioxane	4.570	88	65204	9.481	ppbv #	94
41) Tetrahydrofuran	3.046	42	158159	10.404	ppbv	99
42) Bromodichloromethane	4.477	83	321549	10.254	ppbv	98
43) Methyl Methacrylate	4.865	69	152551	10.738	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	649720	9.973	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	169563	10.643	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	215596	10.679	ppbv		97
47) 1,1,2-Trichloroethane	6.564	97	154882m	9.848	ppbv		
48) Dibromochloromethane	7.380	129	261174	10.460	ppbv		98
49) Bromoform	9.477	173	233573	10.729	ppbv		99
50) 4-Methyl-2-Pentanone	5.736	43	396506	10.303	ppbv		100
51) 2-Hexanone	7.428	43	320740	11.029	ppbv	#	100
52) Tetrachloroethene	8.218	164	151810	9.163	ppbv		98
53) Toluene	6.927	91	441829	10.294	ppbv		100
54) 1,2-Dibromoethane	7.645	107	229563	10.331	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.920	131	193089	9.759	ppbv		99
57) Chlorobenzene	8.914	112	354412	9.623	ppbv		96
58) Ethyl Benzene	9.348	91	631247	10.504	ppbv		99
59) m/p-Xylene	9.545	91	1016249m	21.160	ppbv		
60) o-Xylene	9.959	91	503849	10.499	ppbv		99
61) Styrene	9.866	104	225799	11.185	ppbv		99
62) Isopropylbenzene	10.536	105	736044	10.398	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.956	83	287775	9.340	ppbv		99
64) n-propylbenzene	10.982	120	193034	10.460	ppbv		98
65) tert-Butylbenzene	11.526	119	660966	10.512	ppbv		99
66) Benzyl Chloride	11.610	91	60055	11.634	ppbv		99
67) sec-Butylbenzene	11.762	105	914046	10.221	ppbv		100
69) p-Isopropyltoluene	11.921	119	778601	10.677	ppbv		99
70) n-Butylbenzene	12.277	91	788734	11.197	ppbv		99
71) 2-Chlorotoluene	10.895	91	563193	10.376	ppbv		99
72) 4-Ethyltoluene	11.121	105	617355	10.772	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	516735	10.951	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	567186	11.017	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	366855	10.165	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	364937	10.333	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	348999	9.839	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	291861	9.091	ppbv		99
79) Naphthalene	13.510	128	578563	10.342	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	277798	9.951	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	319897	10.181	ppbv		100

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

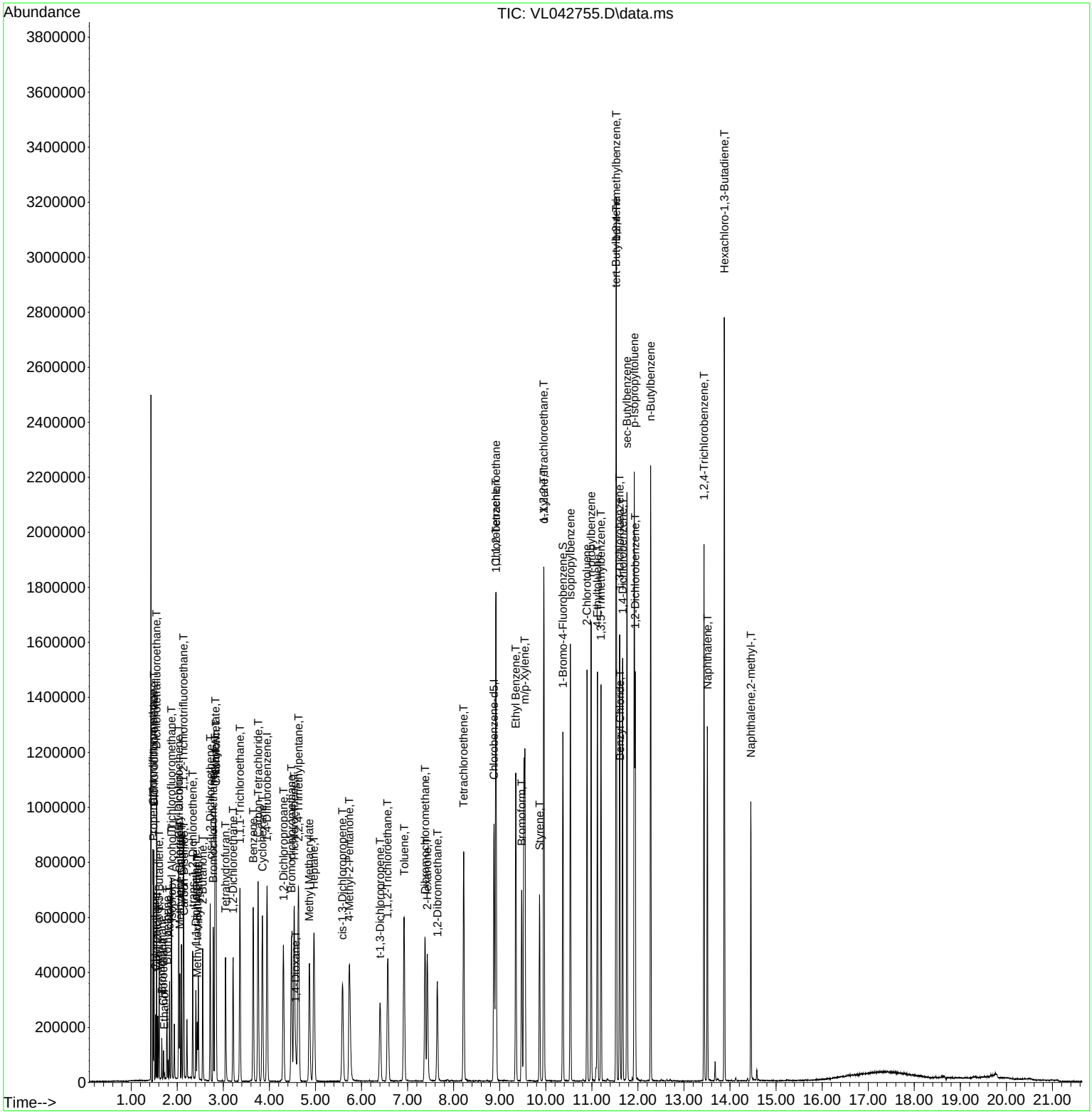
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

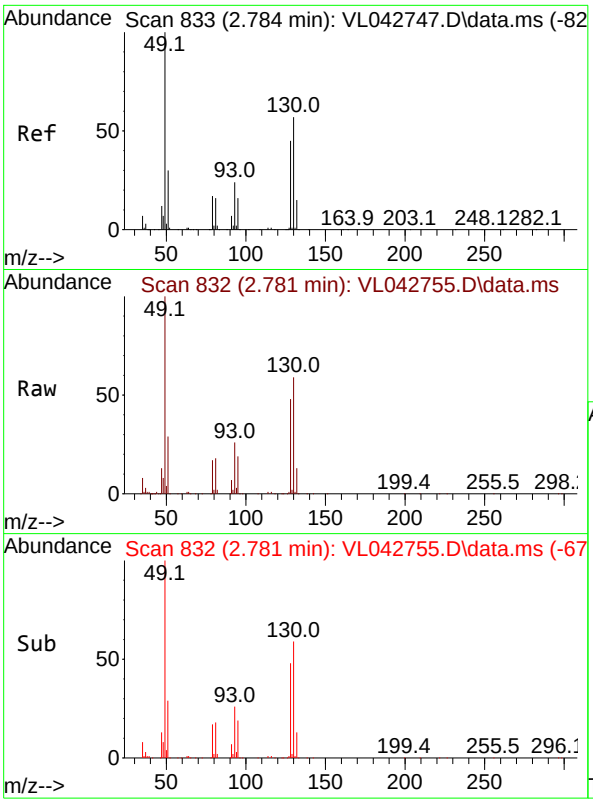
Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

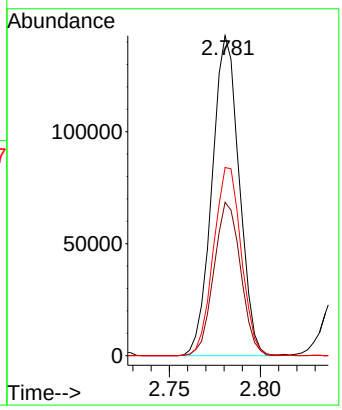




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 49 Resp: 14806

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	60.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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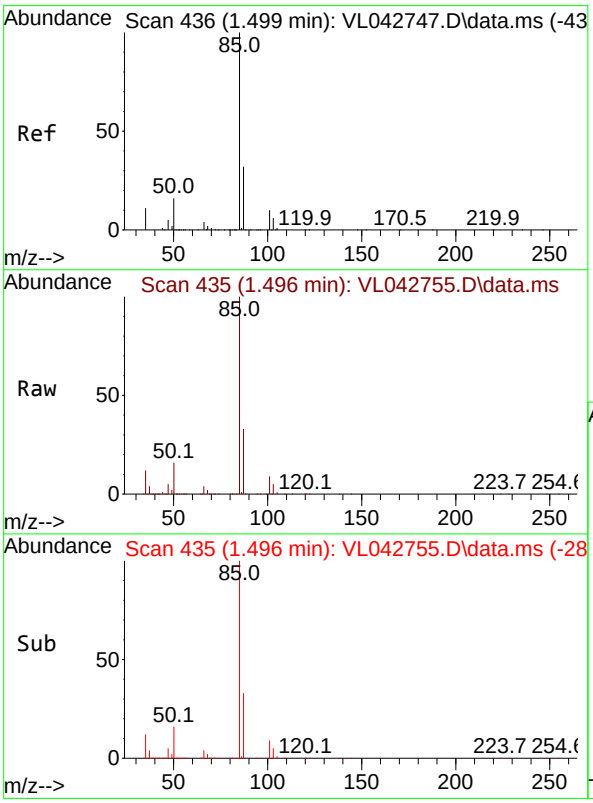
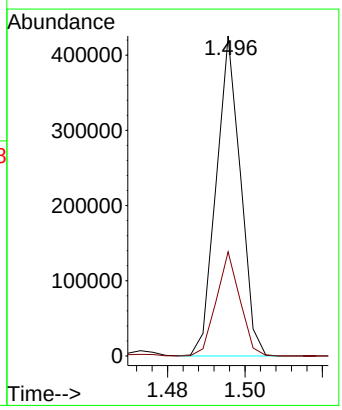
Supervised By :Mahesh Dadoda 07/24/2025

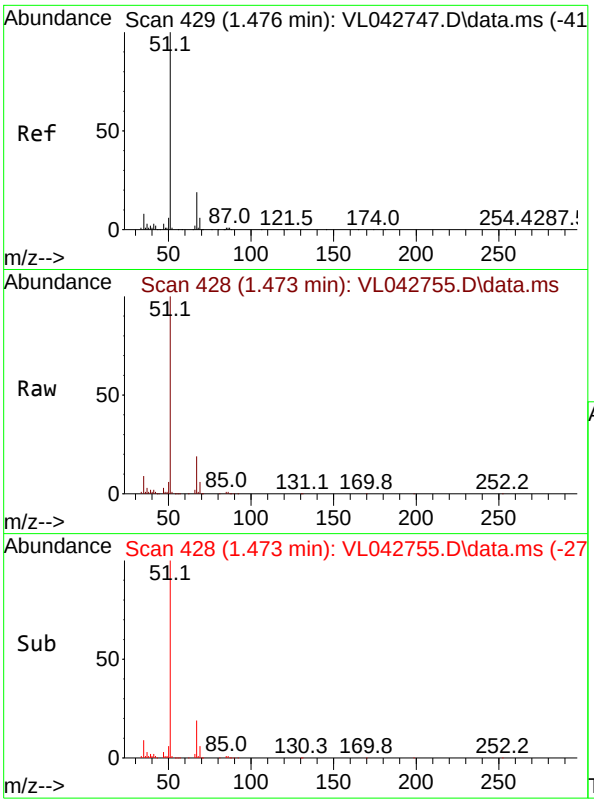


#2
Dichlorodifluoromethane
Concen: 9.472 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 185425

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2

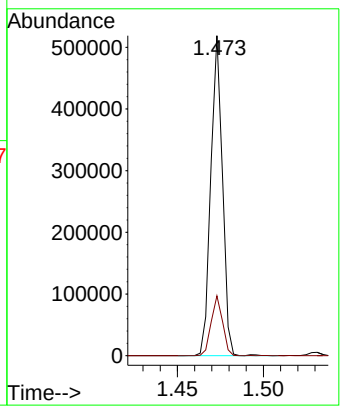




#3
Chlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 51 Resp: 24290

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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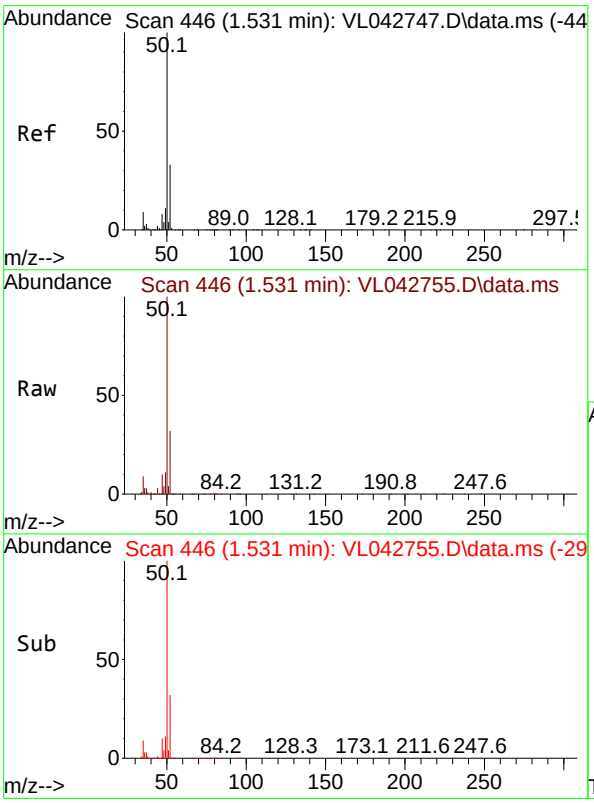
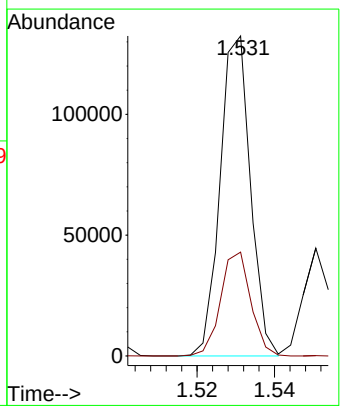
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

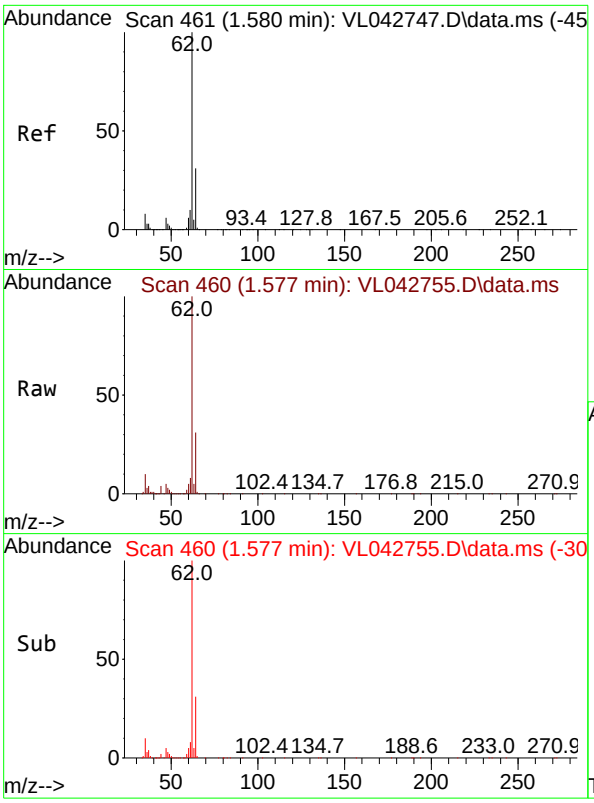


#4
Chloromethane
Concen: 9.119 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 50 Resp: 72221

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	40.0

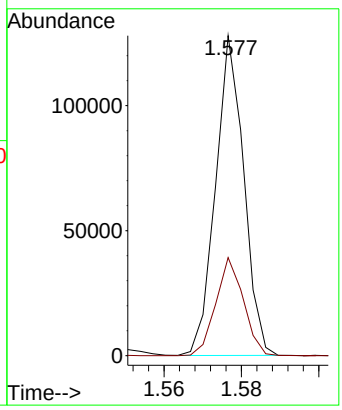




#5
Vinyl Chloride
Concen: 8.265 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 62 Resp: 6467

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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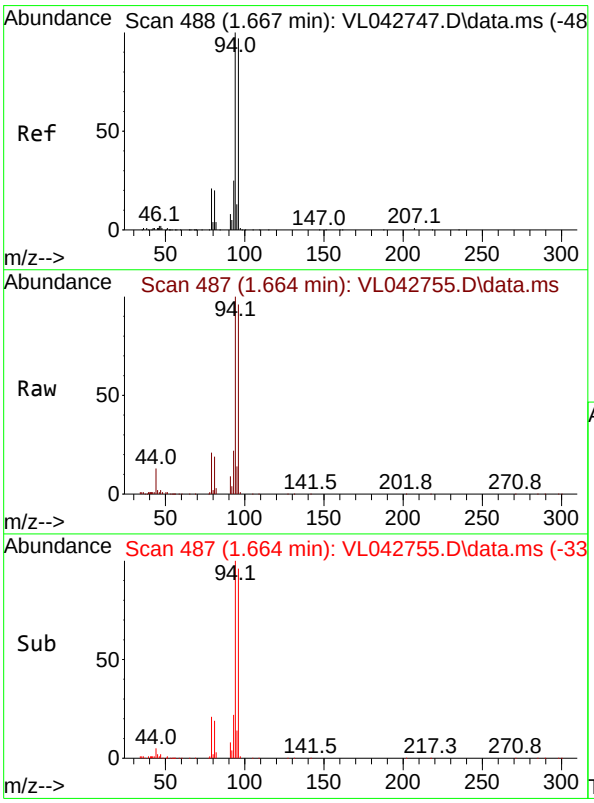
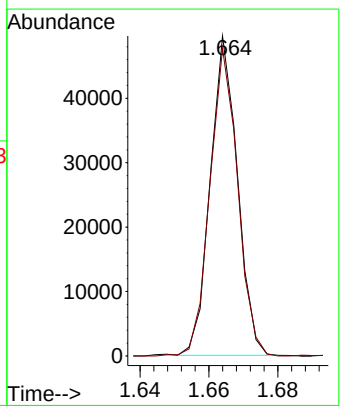
Supervised By :Mahesh Dadoda 07/24/2025

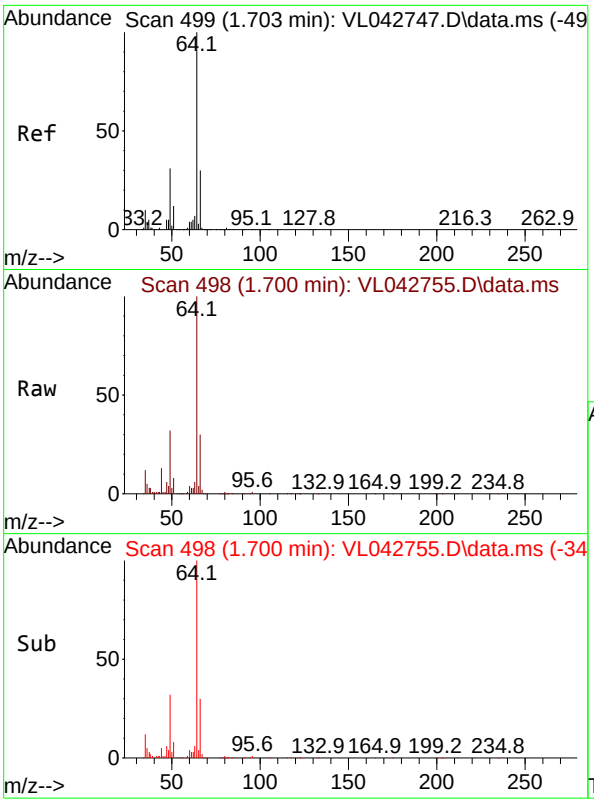


#6
Bromomethane
Concen: 8.957 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 27096

Ion	Ratio	Lower	Upper
94	100		
96	96.3	77.6	116.4

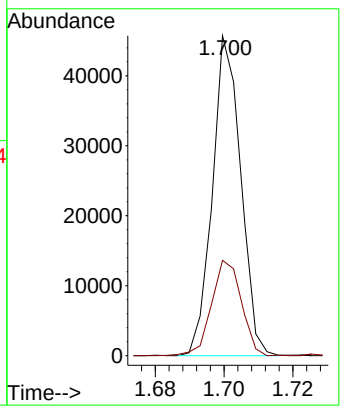




#7
Chloroethane
Concen: 8.641 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 64 Resp: 2612

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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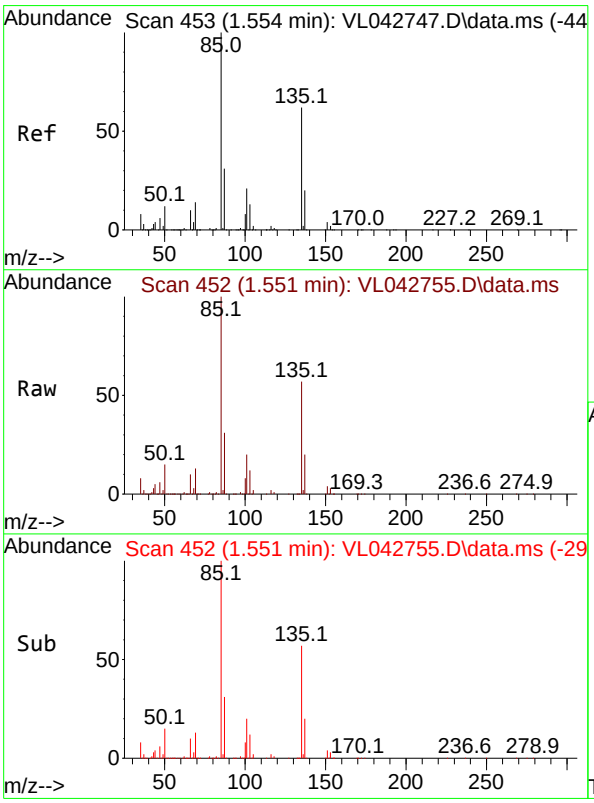
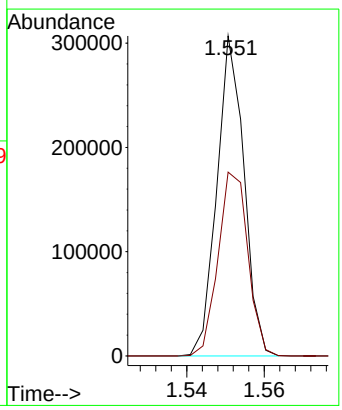
Supervised By :Mahesh Dadoda 07/24/2025

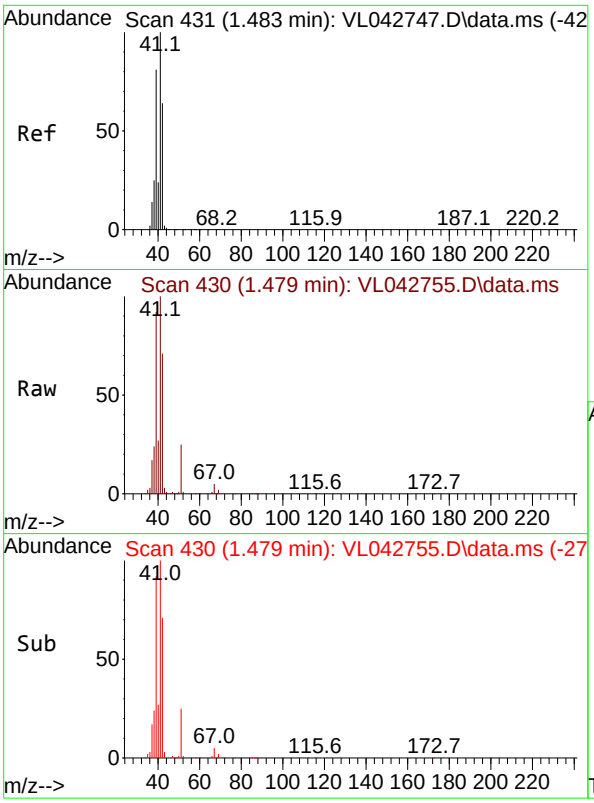


#8
Dichlorotetrafluoroethane
Concen: 9.244 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 148833

Ion	Ratio	Lower	Upper
85	100		
135	63.6	50.6	76.0

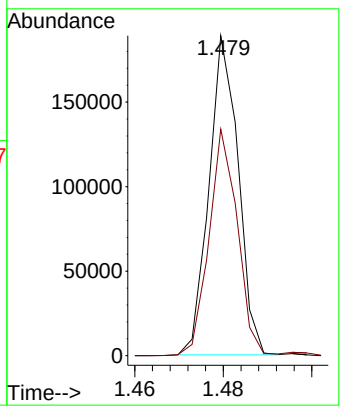




#9
Propene
Concen: 9.316 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 41 Resp: 8634

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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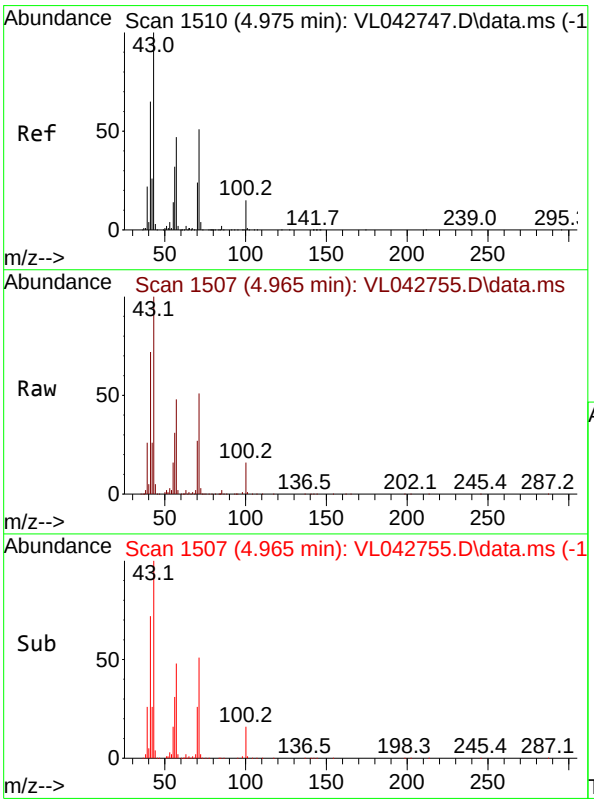
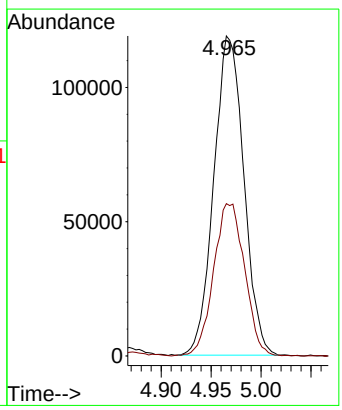
Supervised By :Mahesh Dadoda 07/24/2025

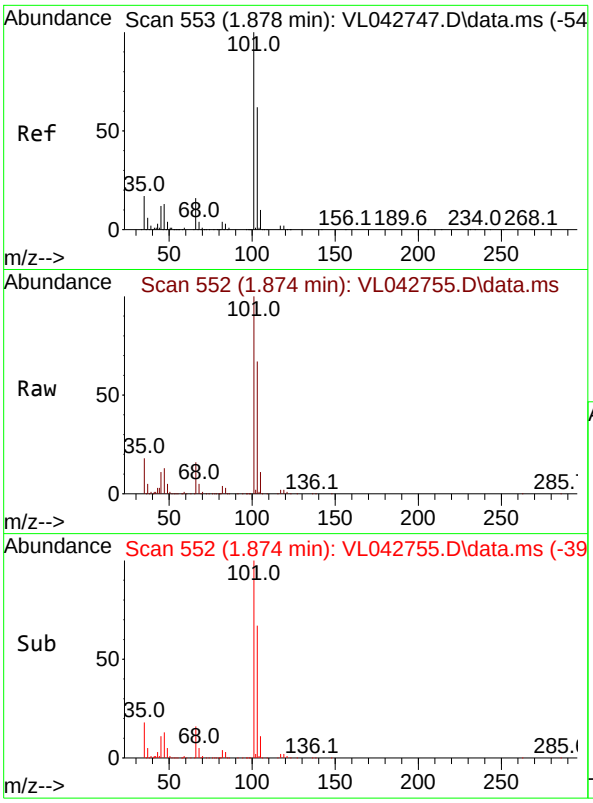


#10
Heptane
Concen: 9.921 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 247934

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.9	59.9





#11
Trichlorofluoromethane
Concen: 8.902 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 17964

Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.6	74.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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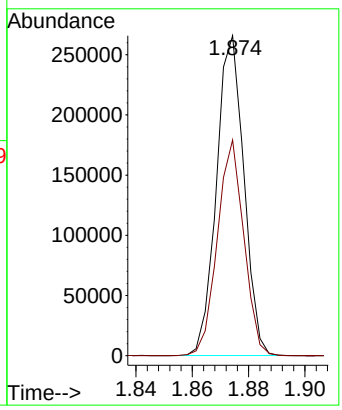
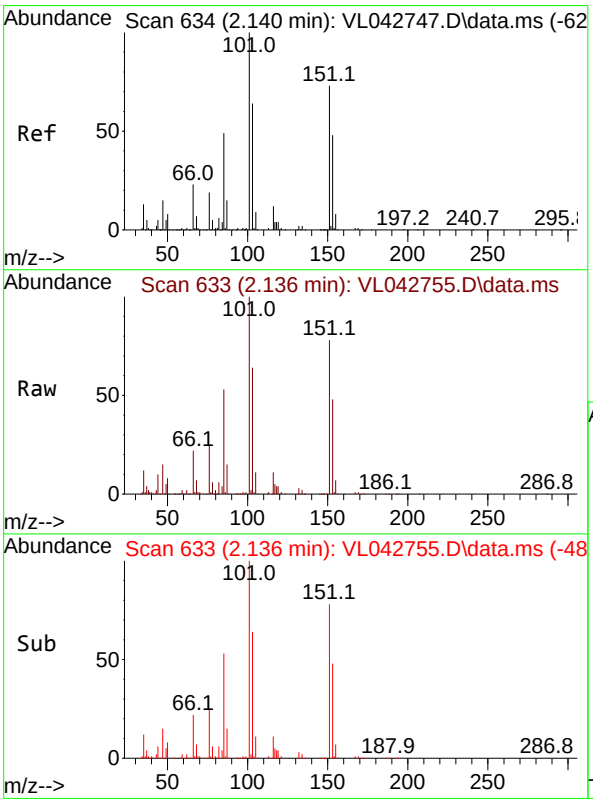
Supervised By :Mahesh Dadoda 07/24/2025

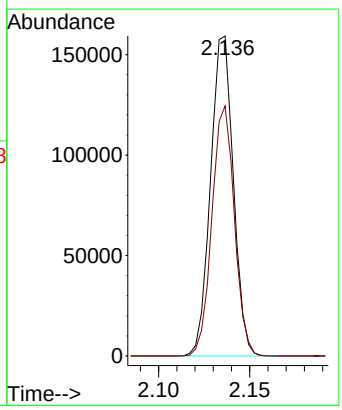


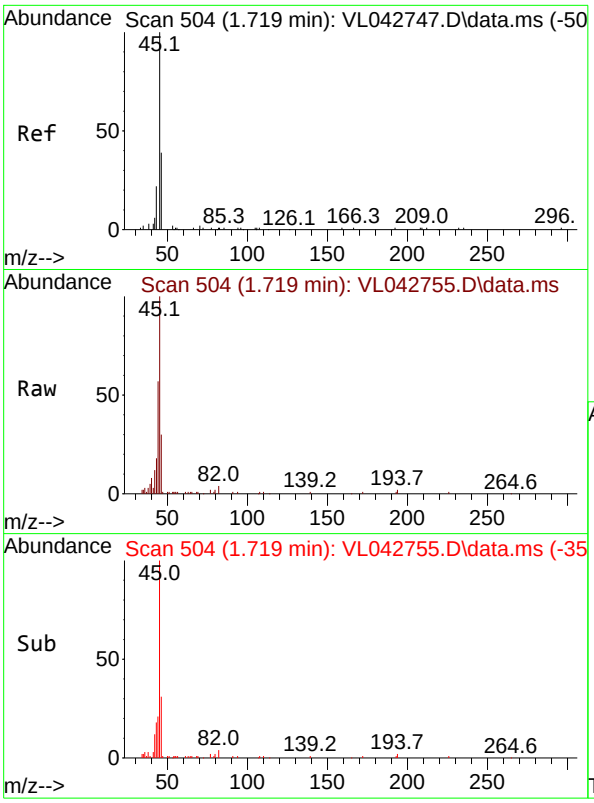


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.023 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 138363

Ion	Ratio	Lower	Upper
101	100		
151	76.9	60.5	90.7

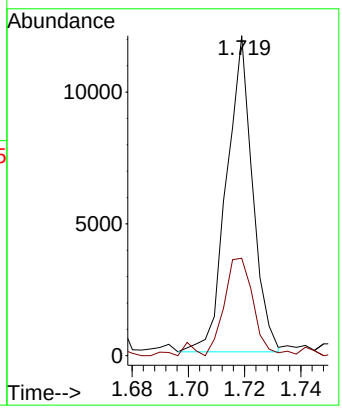




#13
Ethanol
Concen: 10.243 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 45 Resp: 769(

Ion	Ratio	Lower	Upper
45	100		
46	39.7	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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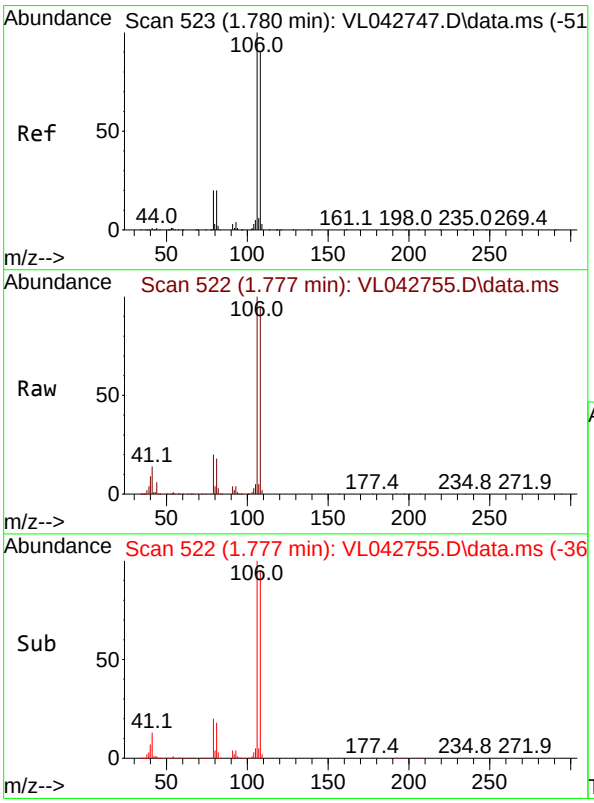
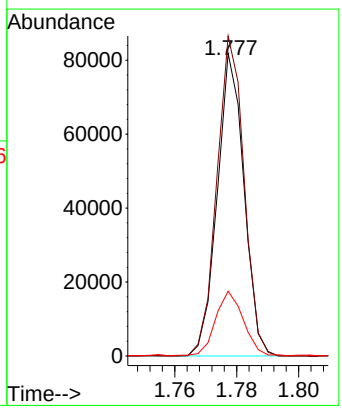
Supervised By :Mahesh Dadoda 07/24/2025

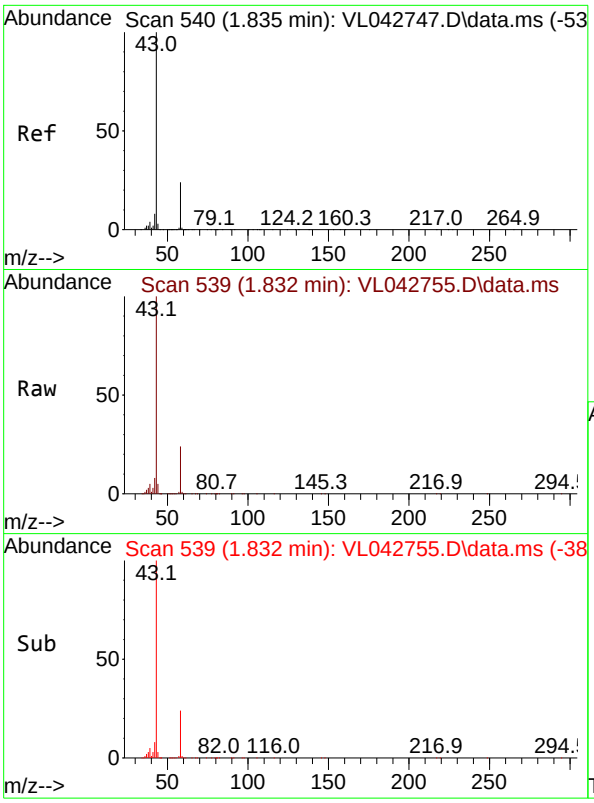


#14
Bromoethene
Concen: 9.020 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:108 Resp: 48972

Ion	Ratio	Lower	Upper
108	100		
106	107.5	84.7	127.1
79	23.5	17.4	26.2

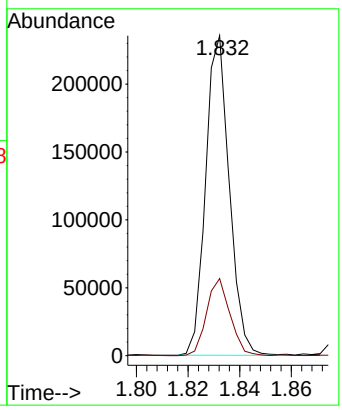




#15
Acetone
Concen: 7.324 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 14974

Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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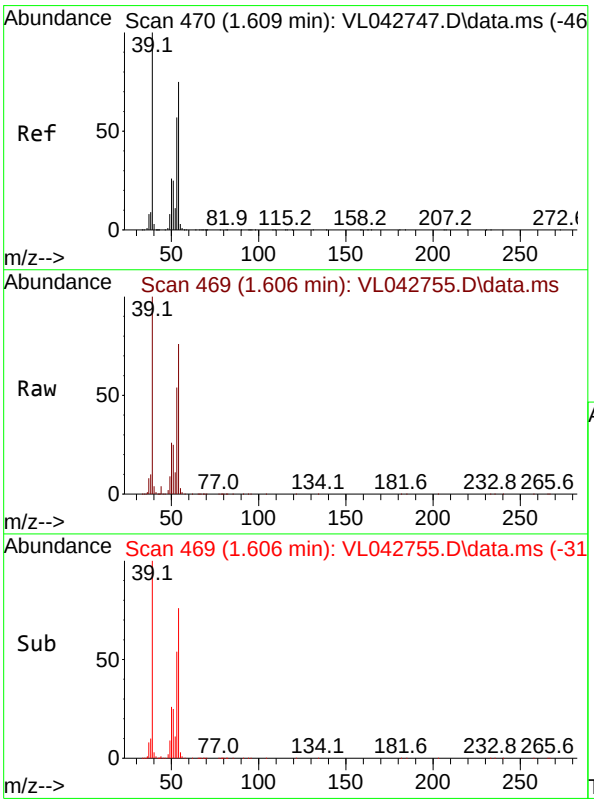
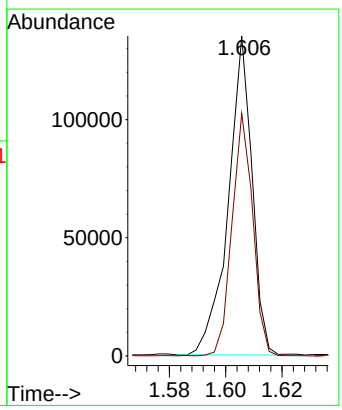
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

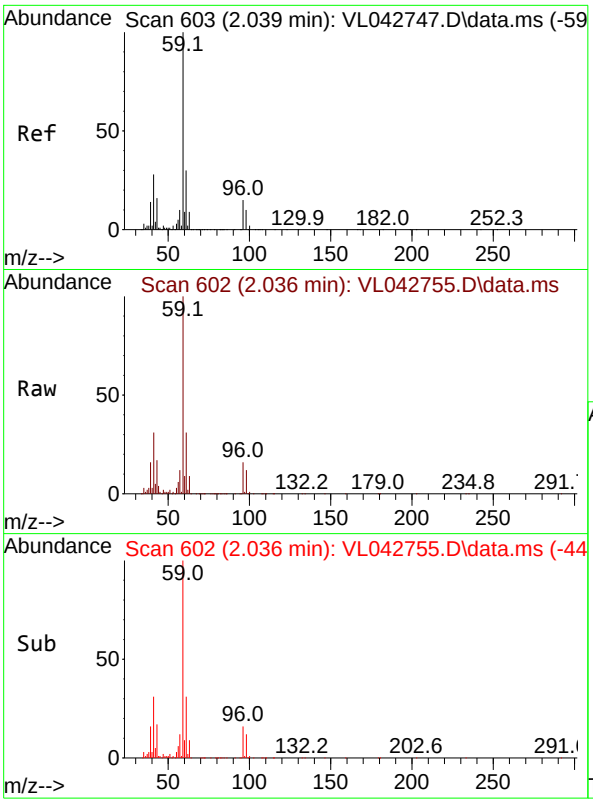


#16
1,3-Butadiene
Concen: 9.072 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 39 Resp: 79112

Ion	Ratio	Lower	Upper
39	100		
54	66.6	54.5	81.7

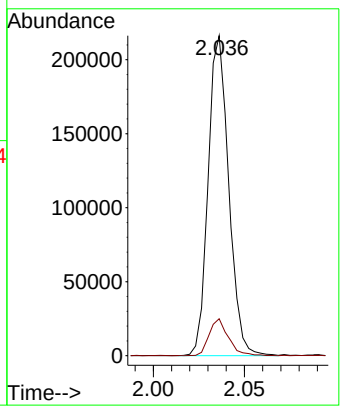




#17
tert-Butyl alcohol
Concen: 9.225 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 59 Resp: 17009

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5



Instrument :
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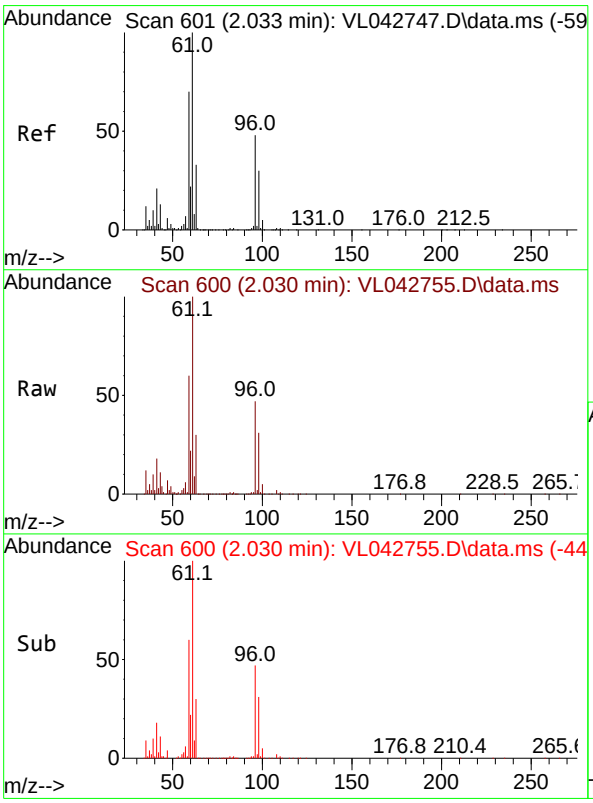
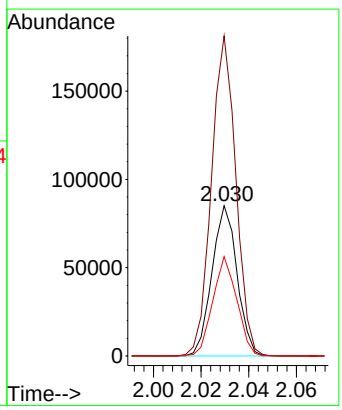
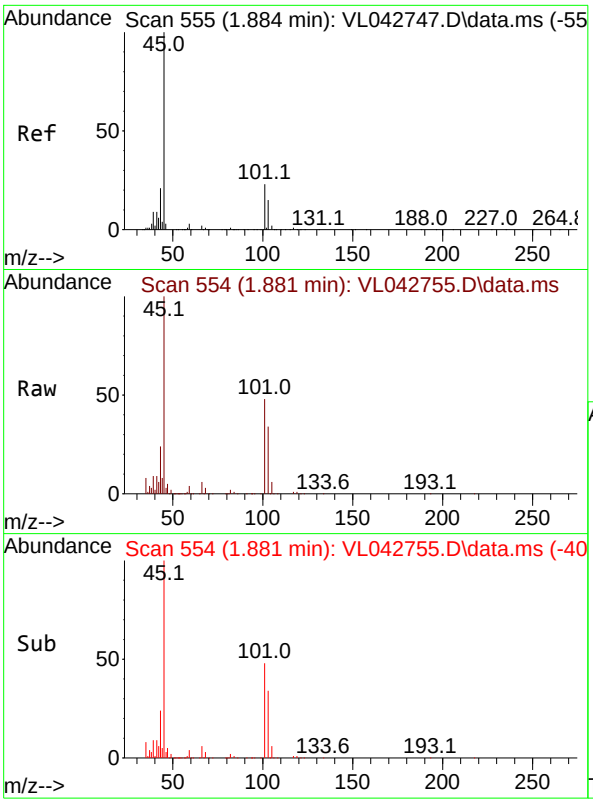


#18
1,1-Dichloroethene
Concen: 8.970 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 62149

Ion	Ratio	Lower	Upper
96	100		
61	212.9	165.8	248.6
98	66.1	49.9	74.9

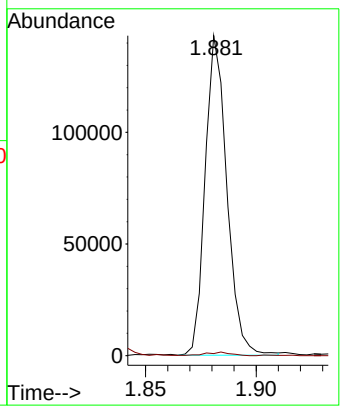




#19
Isopropyl Alcohol
Concen: 9.006 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 45 Resp: 9784

Ion	Ratio	Lower	Upper
45	100		
58	37.1	30.0	45.0



Instrument :
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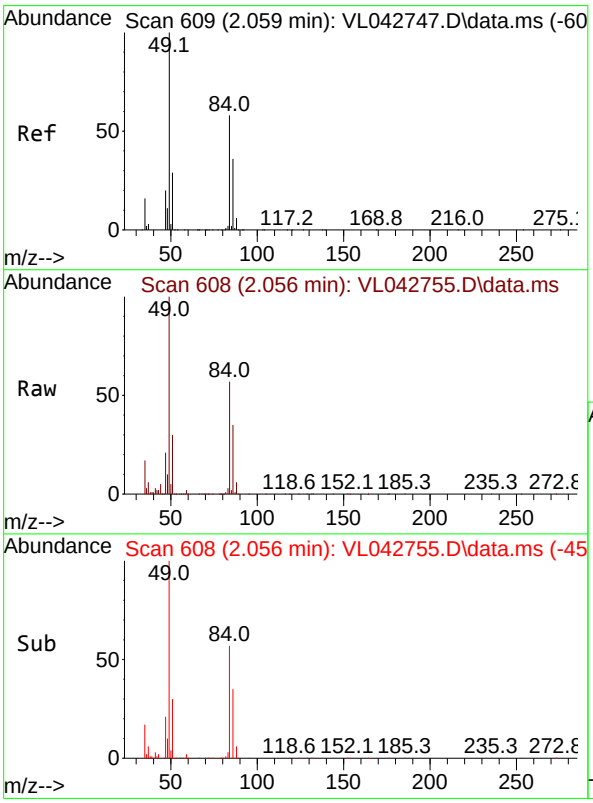
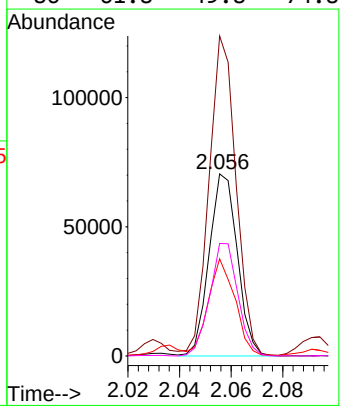
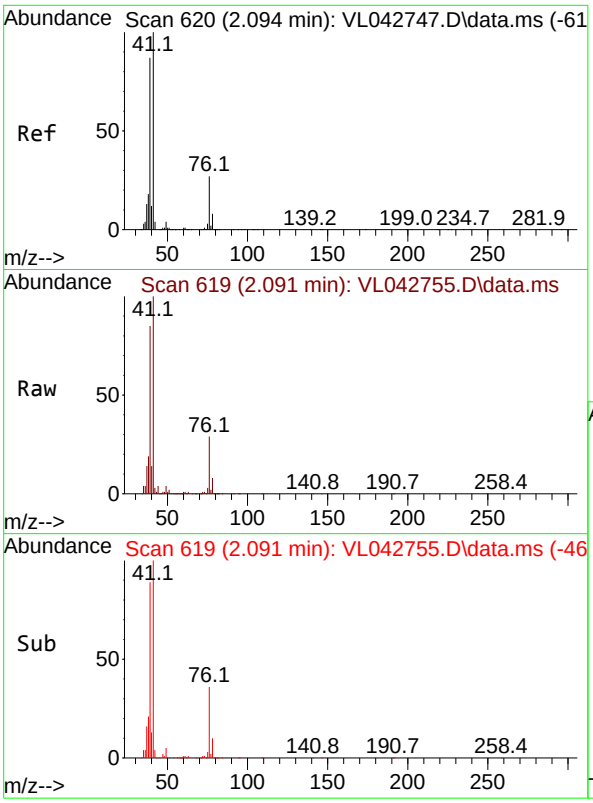


#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 53608

Ion	Ratio	Lower	Upper
84	100		
49	175.3	138.6	208.0
51	53.0	40.6	61.0
86	61.8	49.8	74.8

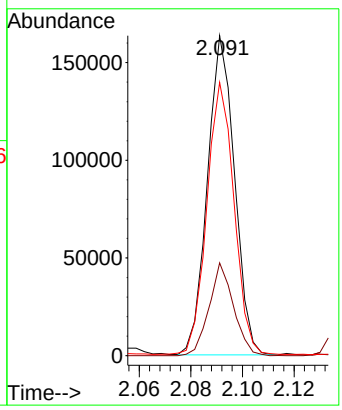




#21
Allyl Chloride
Concen: 9.441 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 41 Resp: 11895

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	85.9	68.3	102.5



Instrument :
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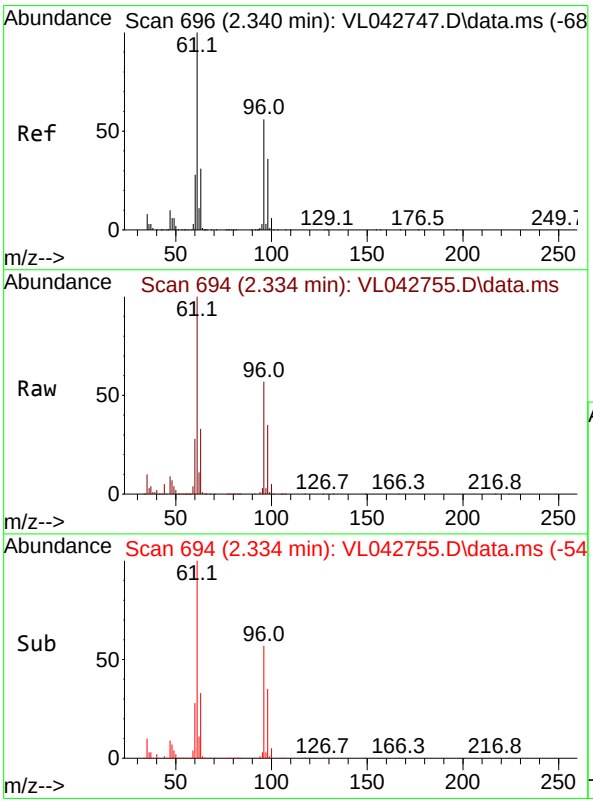
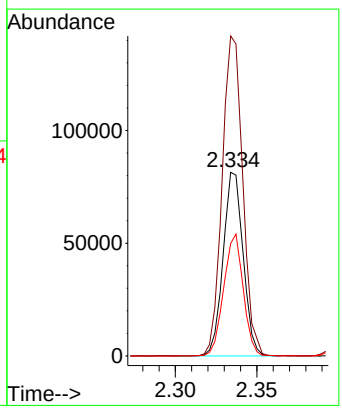
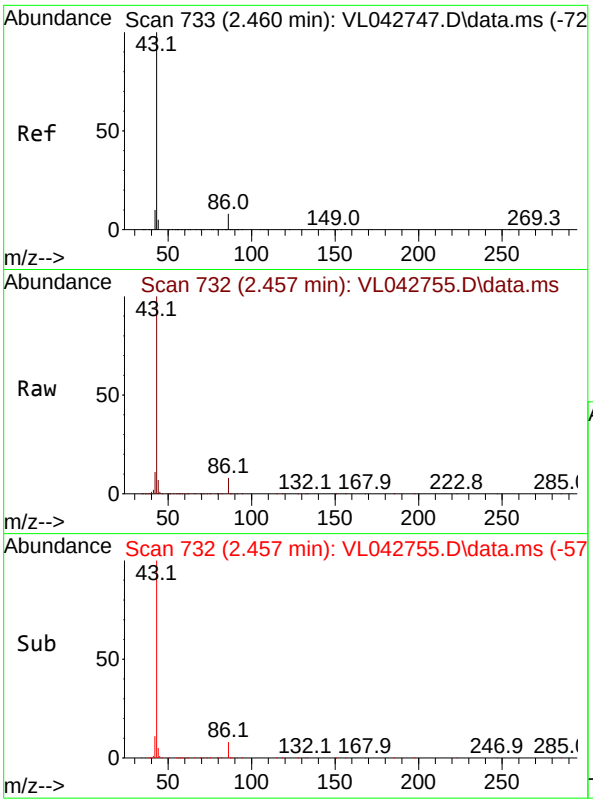


#22
trans-1,2-Dichloroethene
Concen: 9.322 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 69482

Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.3	213.5
98	61.3	50.6	76.0

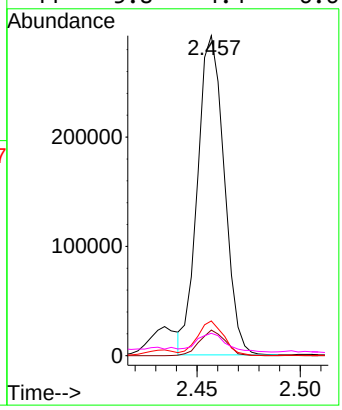




#23
Vinyl Acetate
Concen: 10.568 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 26193

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	10.7	7.8	11.8
44	5.8	4.4	6.6



Instrument :
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ClientSampleId :
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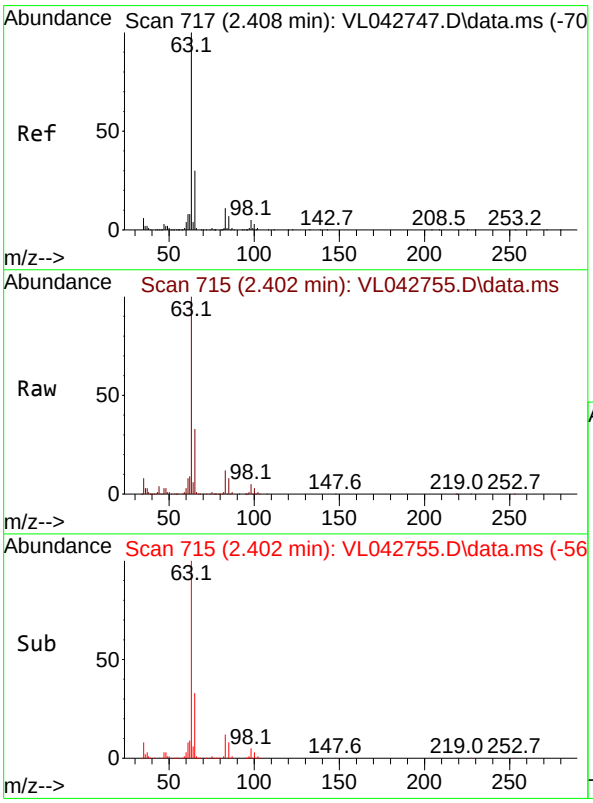
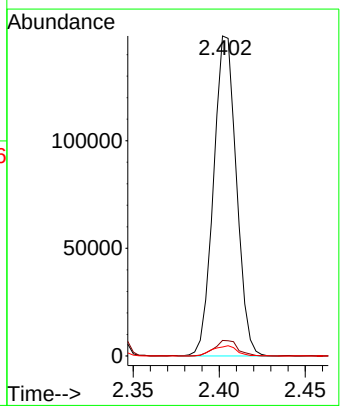
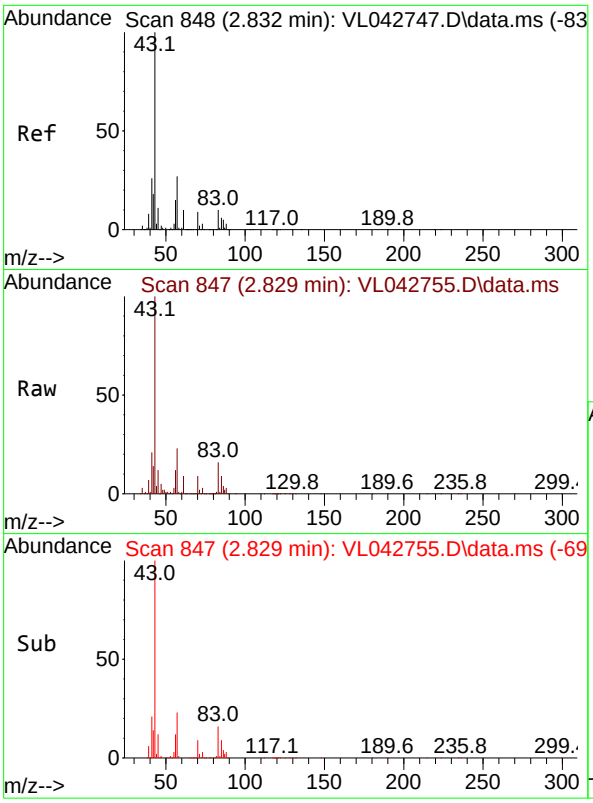


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 137586

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	2.8	1.6	4.8

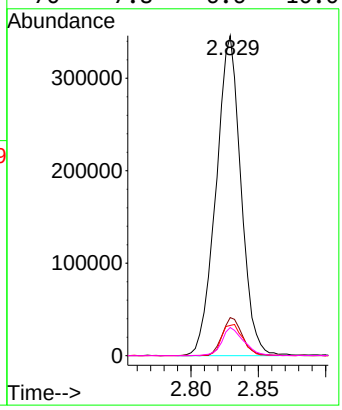




#25
Ethyl Acetate
Concen: 9.816 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 44420

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	6.7	10.1
70	7.8	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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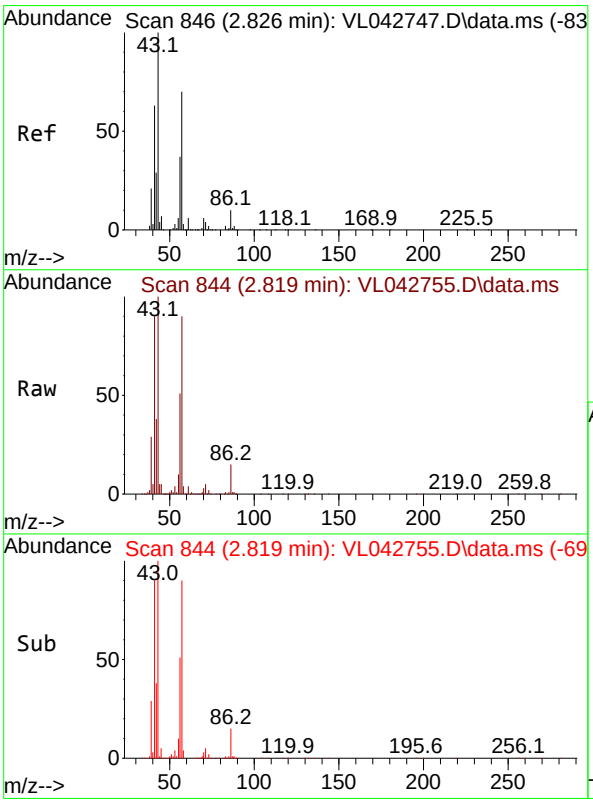
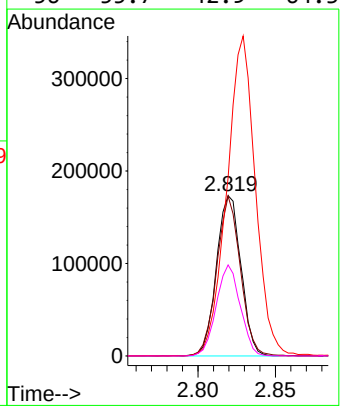
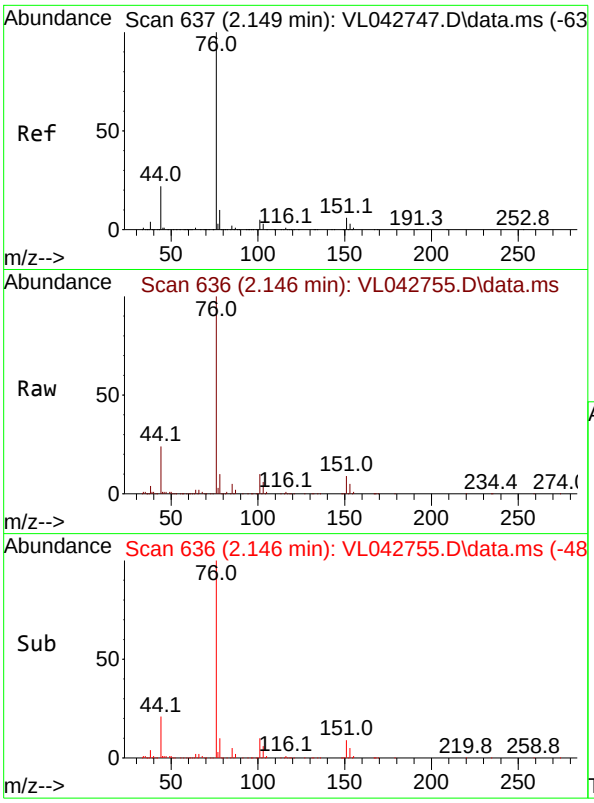


#26
Hexane
Concen: 9.597 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 190523

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.4	113.2
43	234.2	185.0	277.6
56	55.7	42.9	64.3

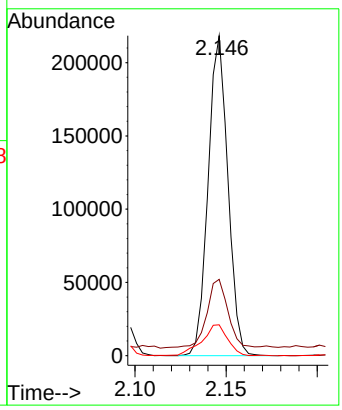




#27
Carbon Disulfide
Concen: 9.652 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 76 Resp: 16404

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.3	28.9
78	12.7	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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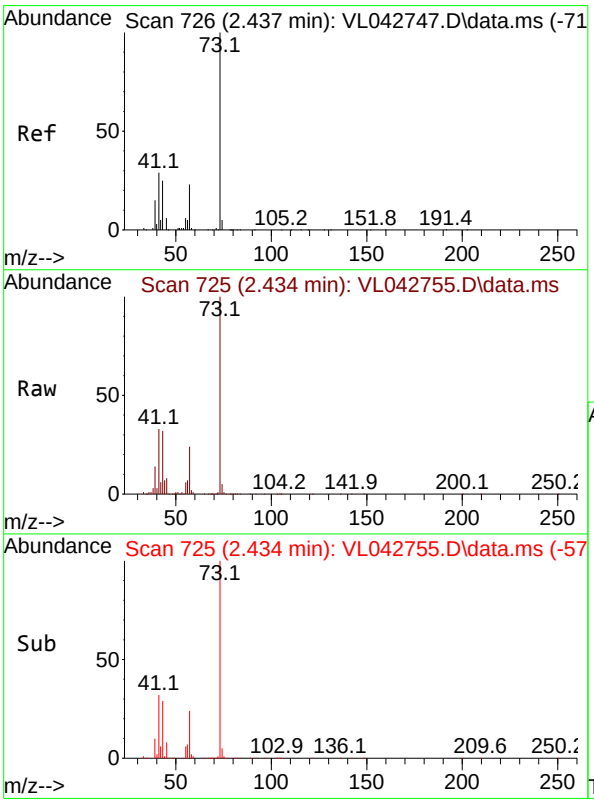
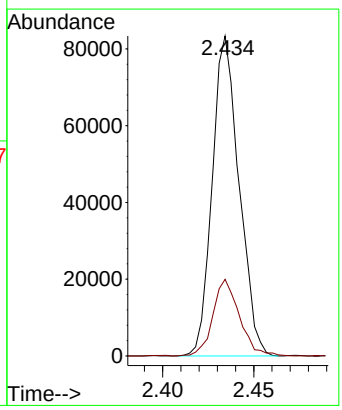
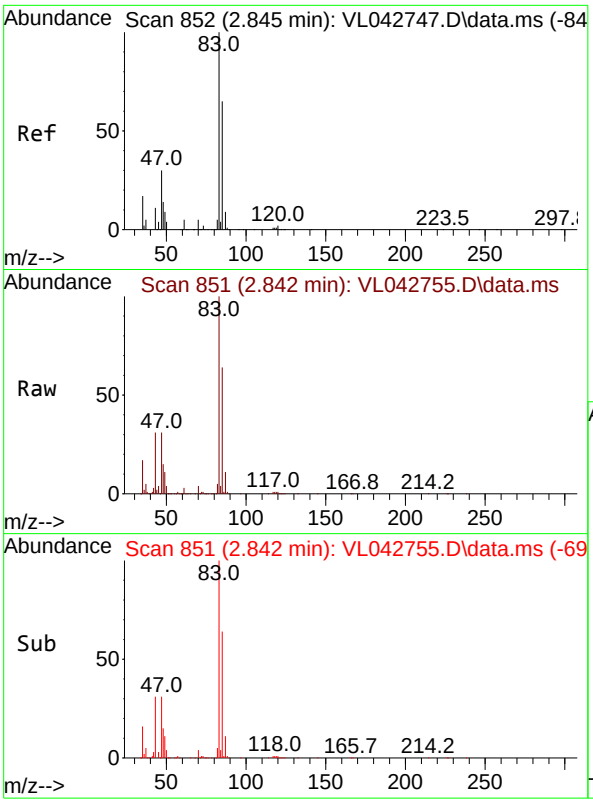


#28
Methyl tert-Butyl Ether
Concen: 9.114 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 73 Resp: 85480

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.8	29.8

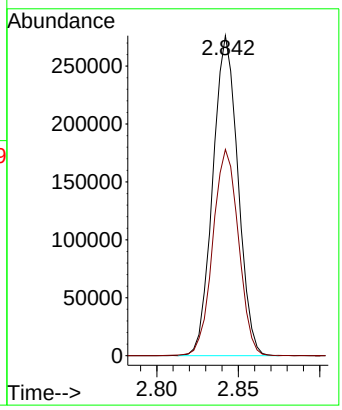




#29
Chloroform
Concen: 9.643 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 29580

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2



Instrument :
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ClientSampleId :
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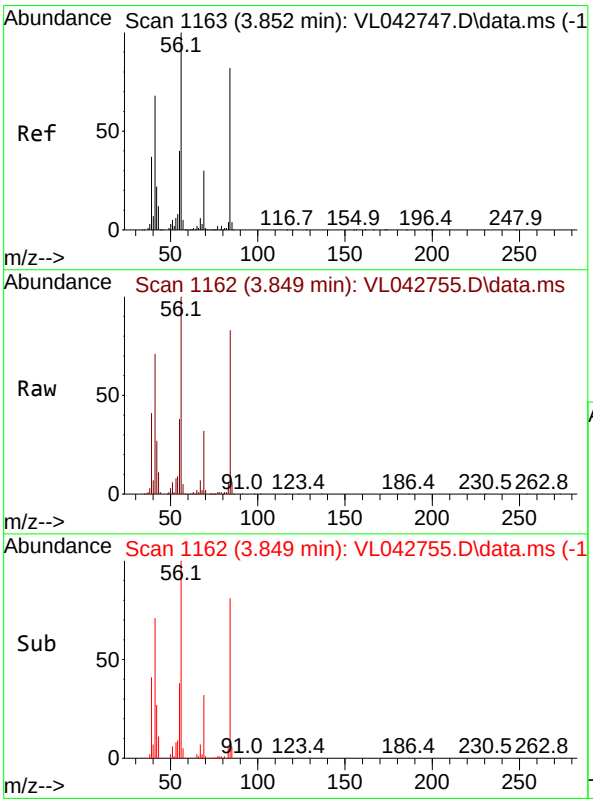
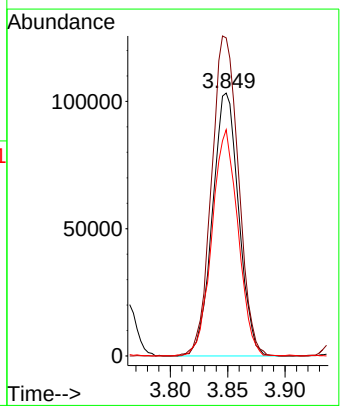
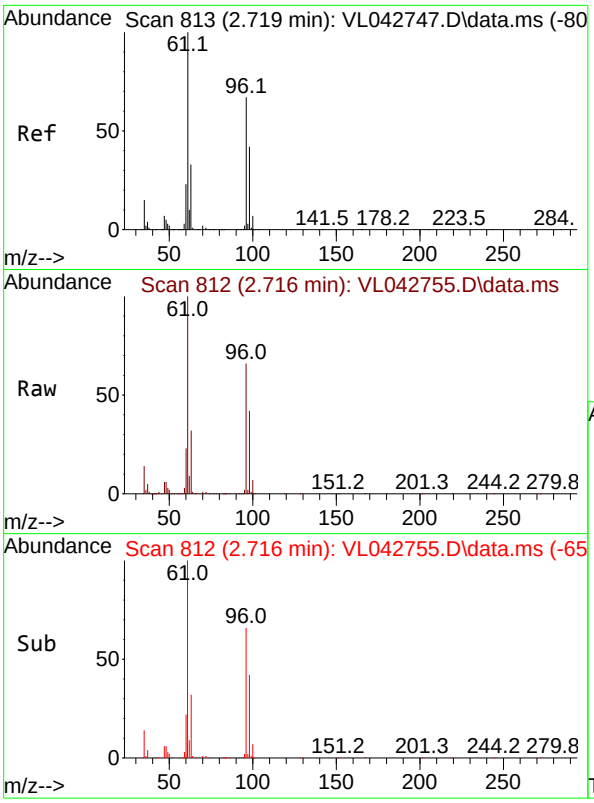


#30
Cyclohexane
Concen: 9.773 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 164554

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	85.5	67.2	100.8

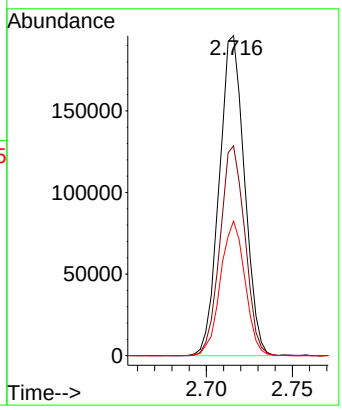




#31
cis-1,2-Dichloroethene
Concen: 9.802 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 61 Resp: 19997

Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.5	80.3
98	42.1	33.6	50.4



Instrument :
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ClientSampleId :
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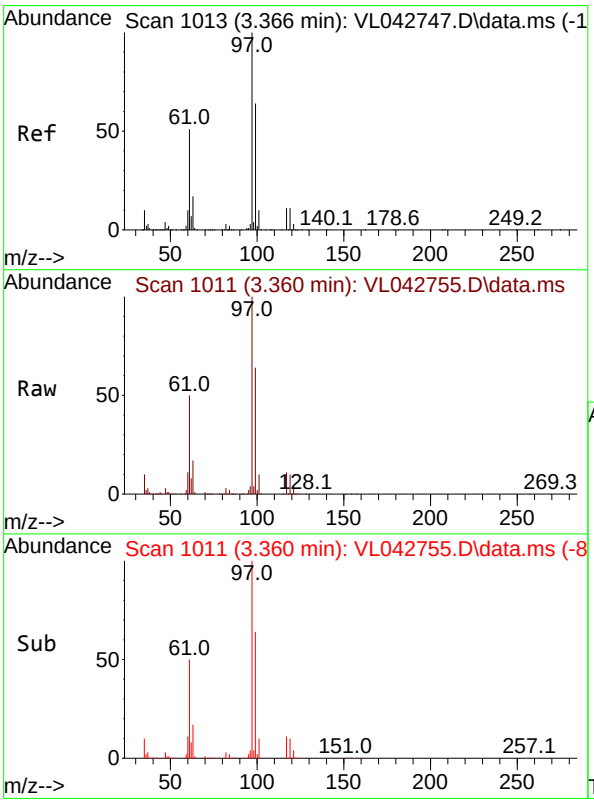
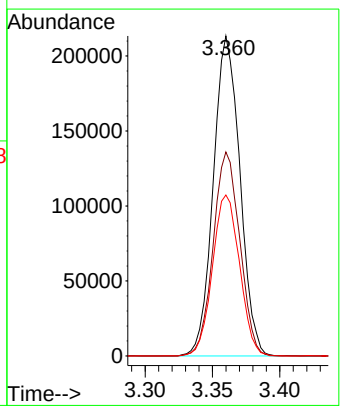
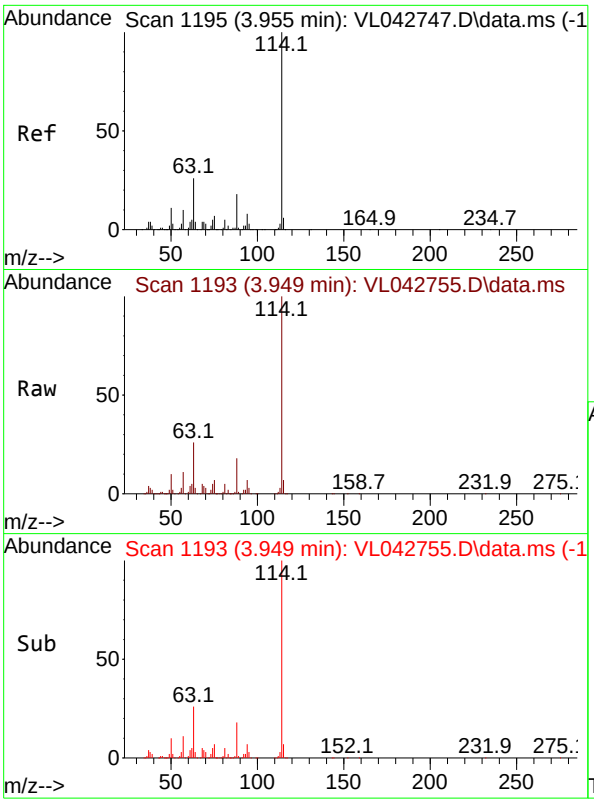


#32
1,1,1-Trichloroethane
Concen: 9.172 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 293074

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	51.4	40.9	61.3

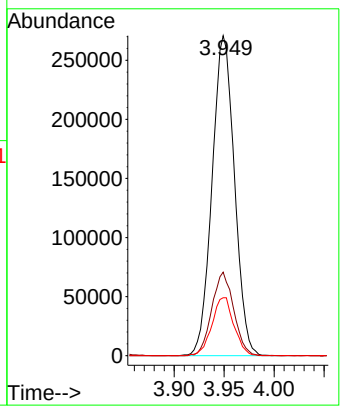




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:114 Resp: 42174

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.8	14.0	21.0



Instrument :
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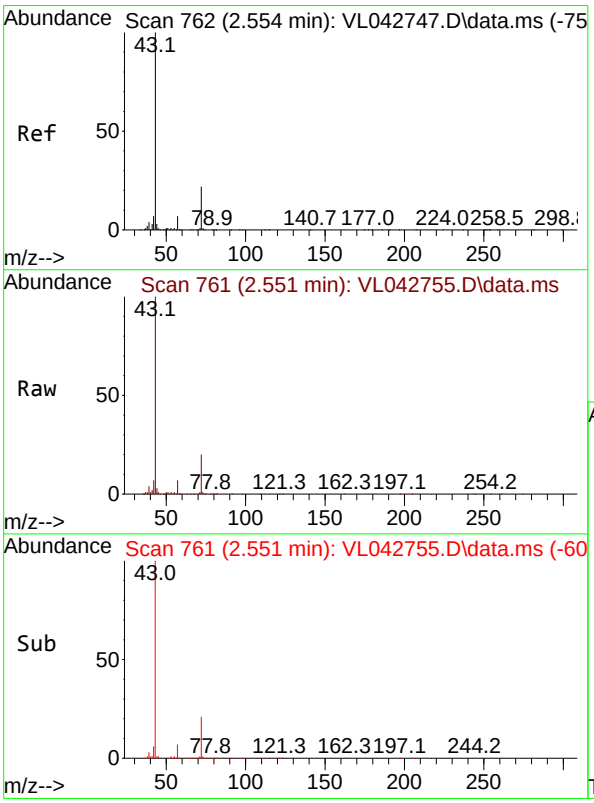
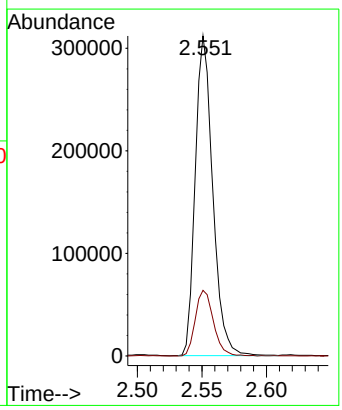
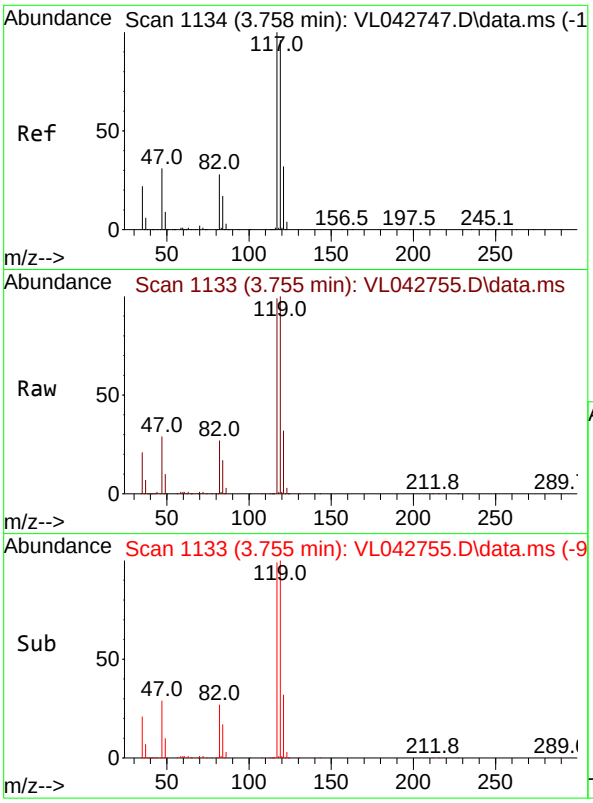


#34
2-Butanone
Concen: 9.869 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 294837

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.0

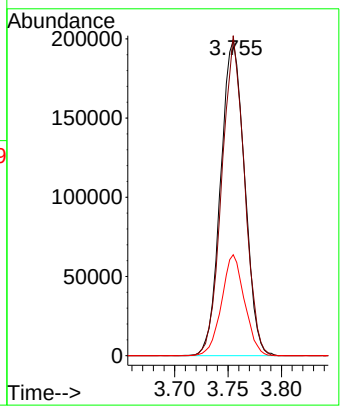




#35
Carbon Tetrachloride
Concen: 9.900 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:117 Resp: 31012

Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.1	115.7
121	32.0	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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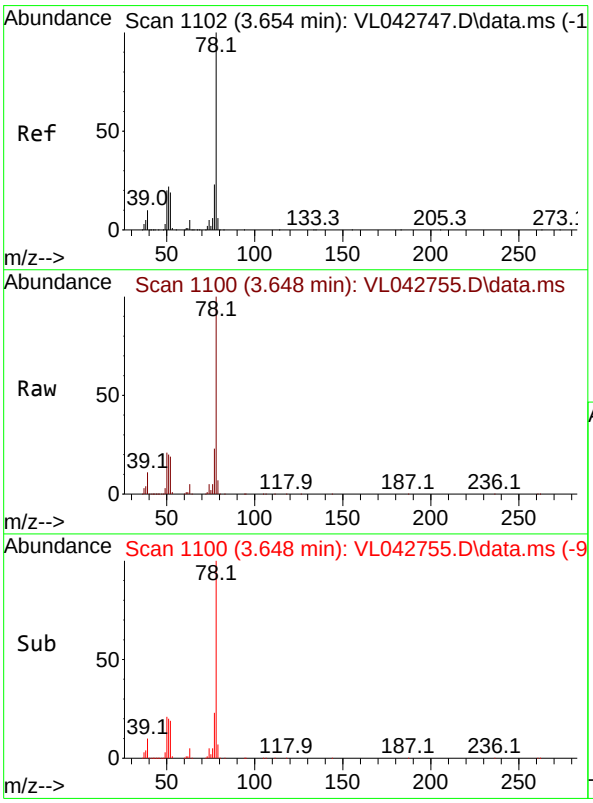
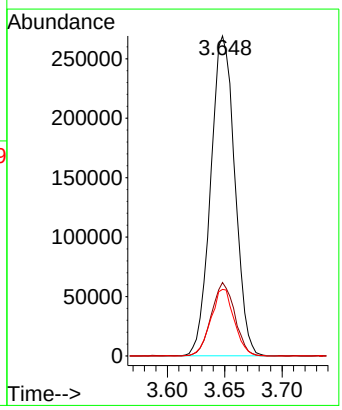
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

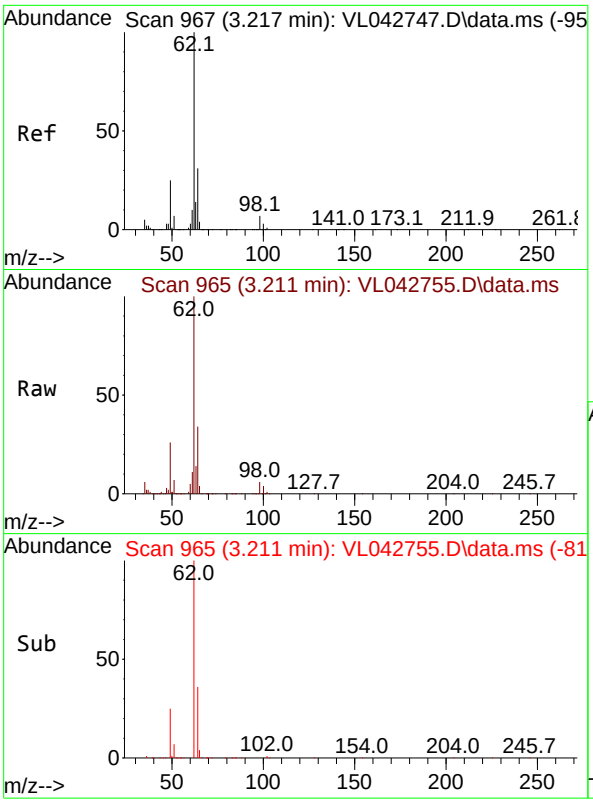


#36
Benzene
Concen: 9.834 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 78 Resp: 393085

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	20.8	16.2	24.2

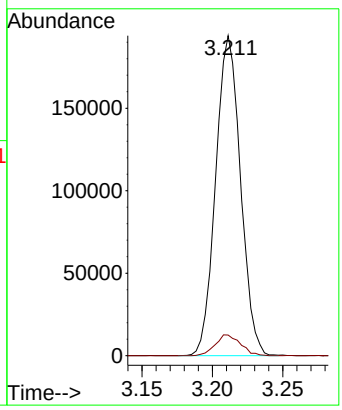




#37
1,2-Dichloroethane
Concen: 9.895 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 62 Resp: 23824

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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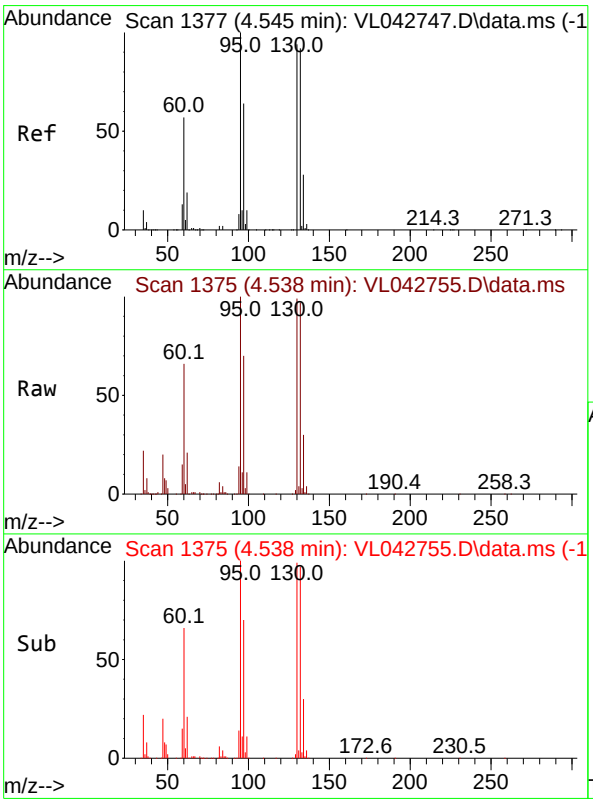
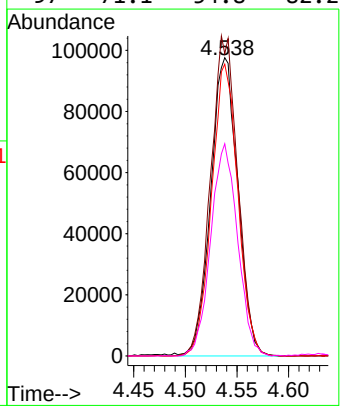
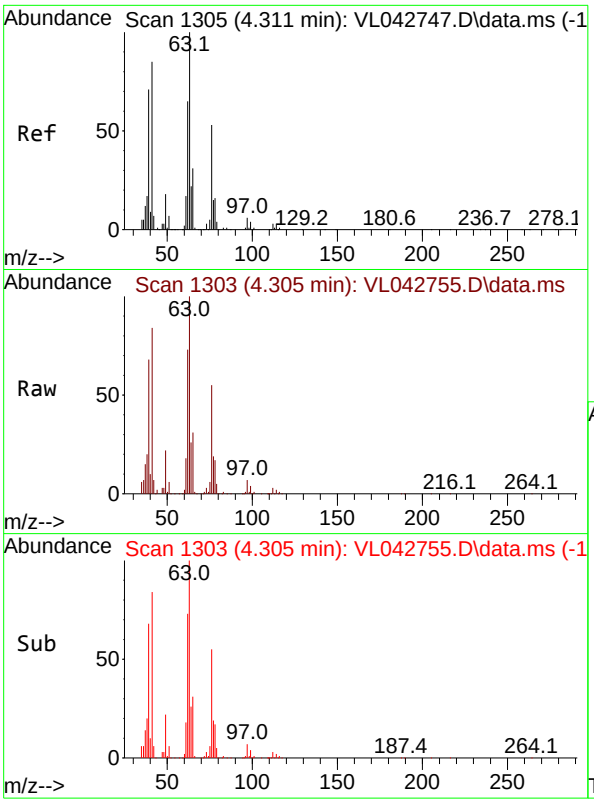


#38
Trichloroethene
Concen: 9.301 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:130 Resp: 178600

Ion	Ratio	Lower	Upper
130	100		
95	101.3	85.4	128.2
132	97.7	78.2	117.2
97	71.1	54.8	82.2

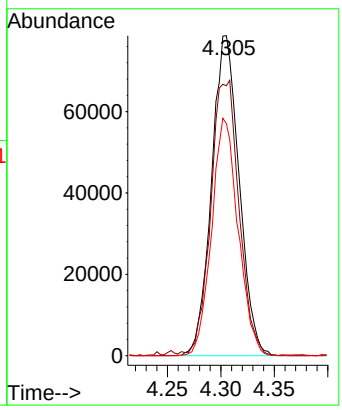




#39
1,2-Dichloropropane
Concen: 9.578 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 14131

Ion	Ratio	Lower	Upper
63	100		
41	84.3	68.2	102.4
62	72.5	52.0	78.0



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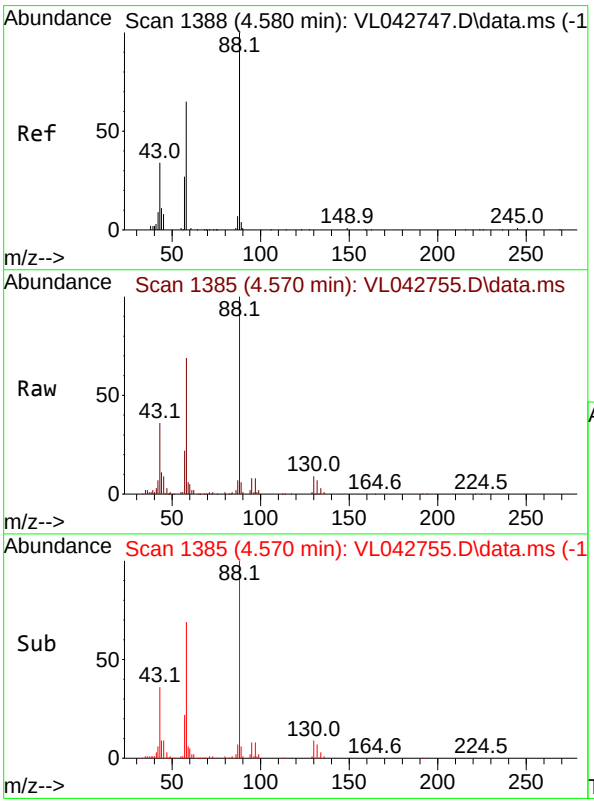
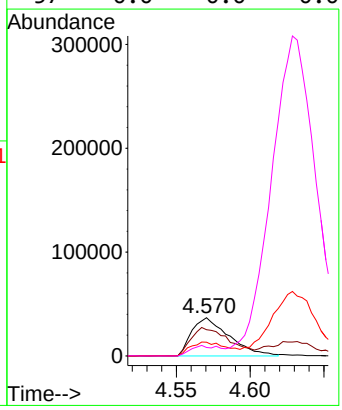
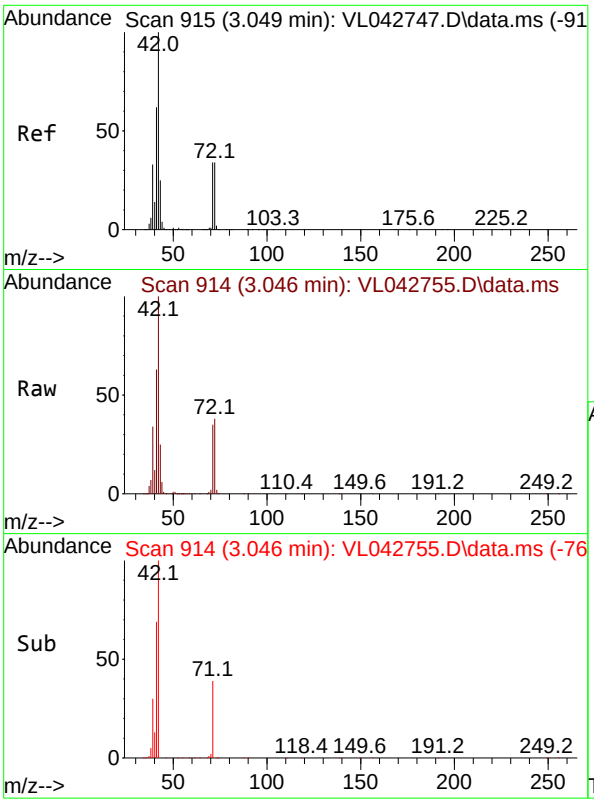


#40
1,4-Dioxane
Concen: 9.481 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 65204

Ion	Ratio	Lower	Upper
88	100		
58	78.4	58.8	88.2
43	32.6	28.9	43.3
57	0.0	0.0	0.0

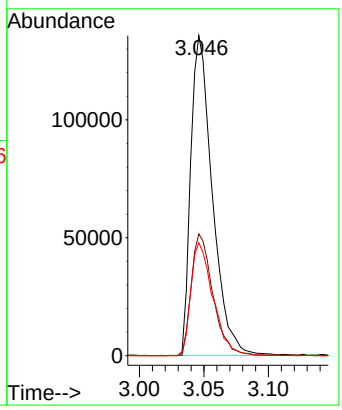




#41
Tetrahydrofuran
Concen: 10.404 ppbv
RT: 3.046 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 42 Resp: 15815

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.9	46.3
71	36.2	28.6	43.0



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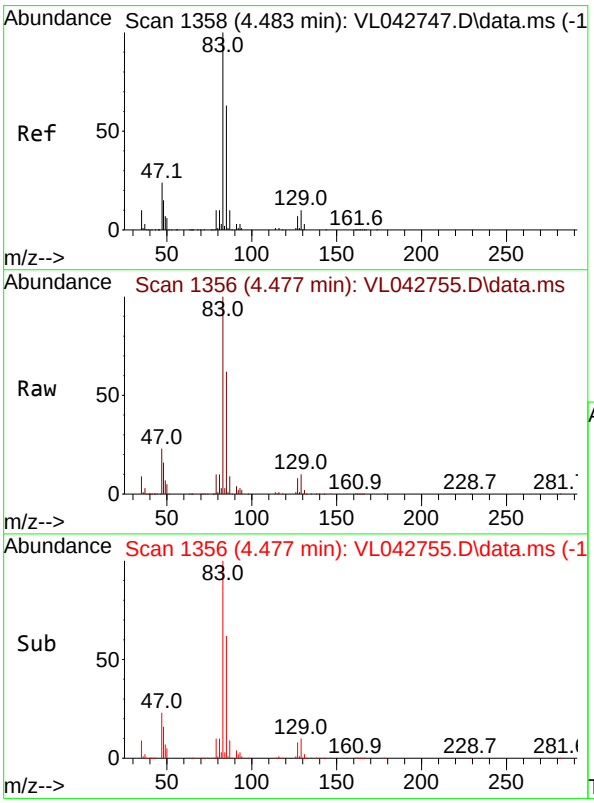
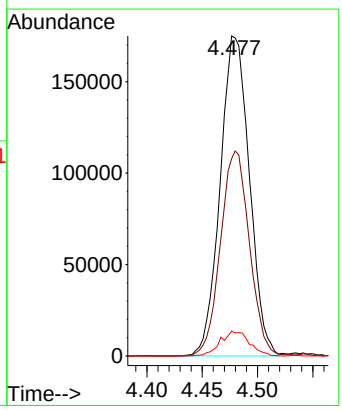
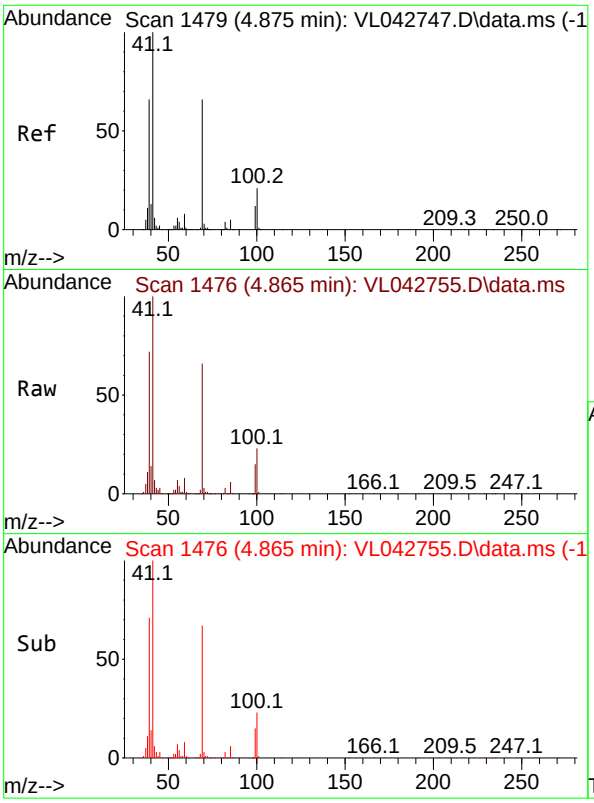


#42
Bromodichloromethane
Concen: 10.254 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 321549

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	7.7	5.4	8.2

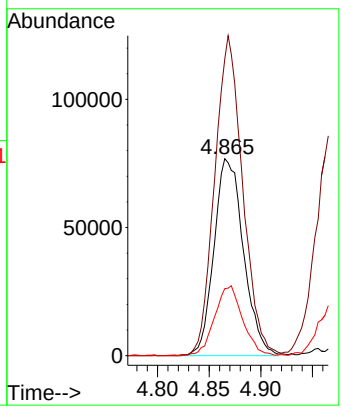




#43
Methyl Methacrylate
Concen: 10.738 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 69 Resp: 15255

Ion	Ratio	Lower	Upper
69	100		
41	153.9	125.7	188.5
100	33.9	28.6	42.8



Instrument :
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ClientSampleId :
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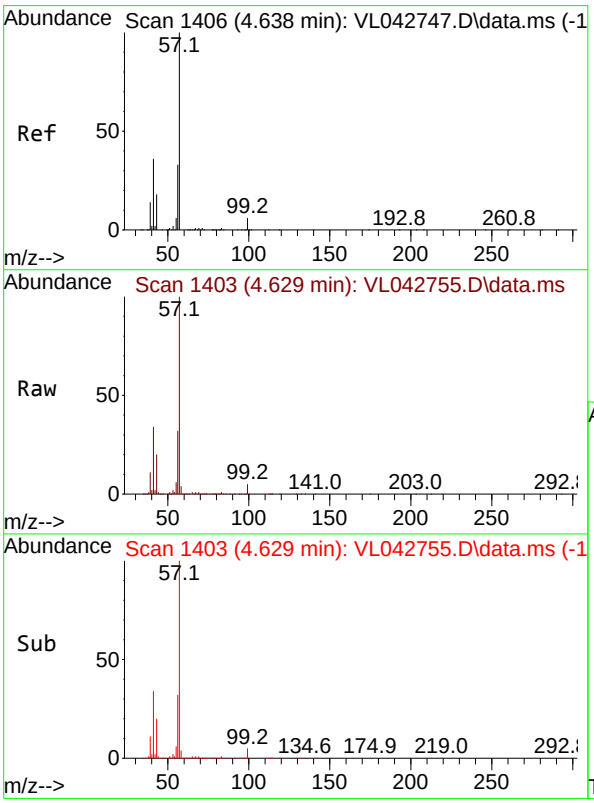
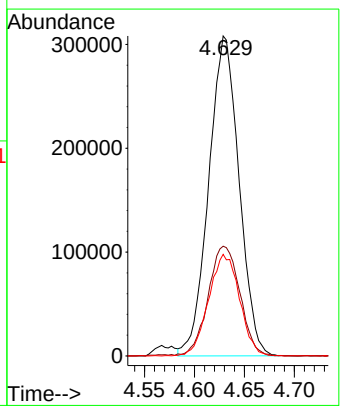
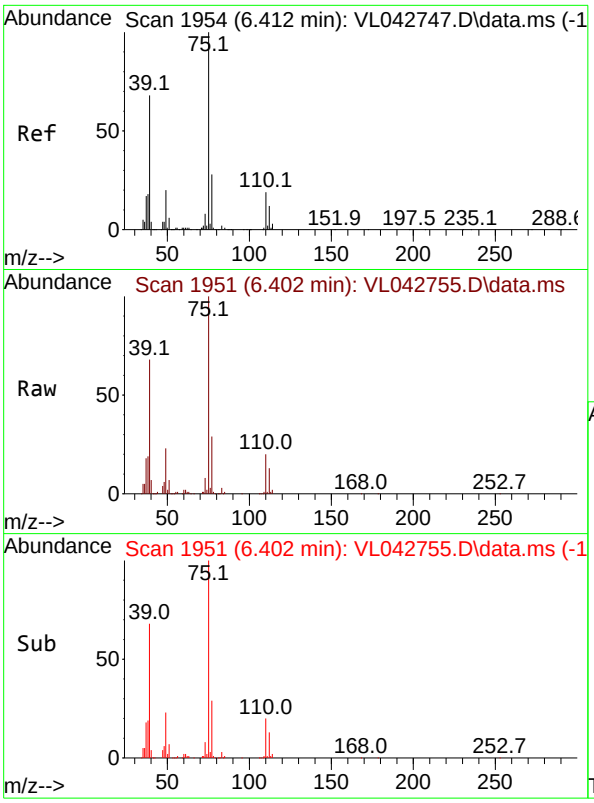


#44
2,2,4-Trimethylpentane
Concen: 9.973 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 649720

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.3	42.5
56	32.4	25.8	38.6

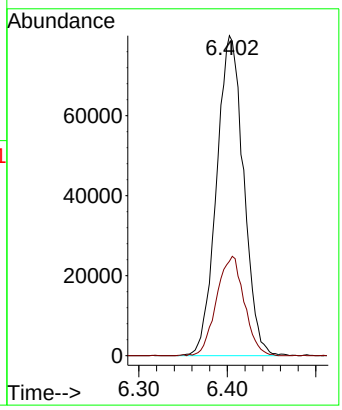




#45
t-1,3-Dichloropropene
Concen: 10.643 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 16956

Ion	Ratio	Lower	Upper
75	100		
77	29.5	22.4	33.6



Instrument :
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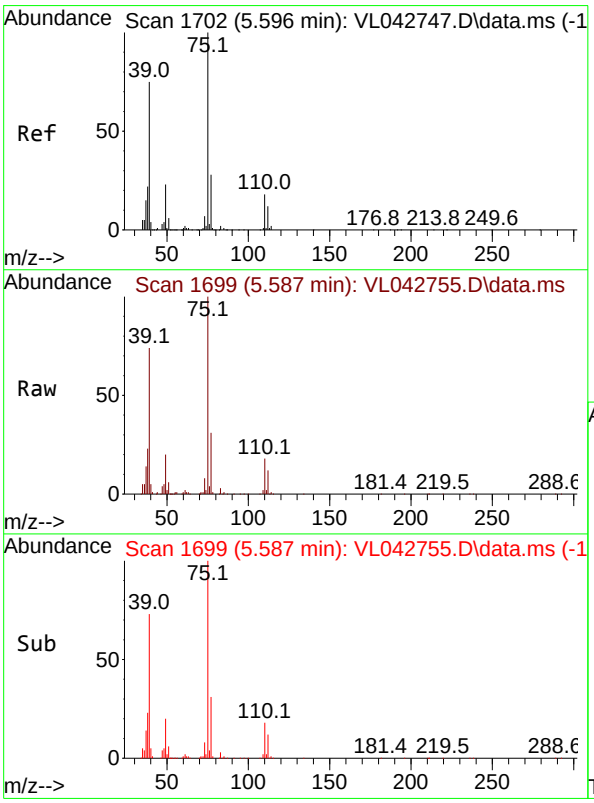
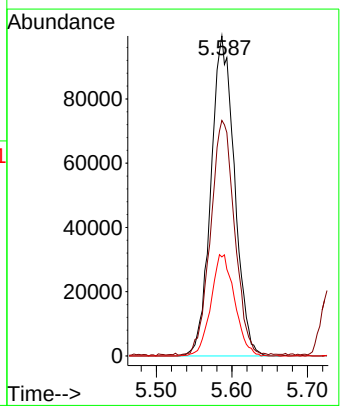
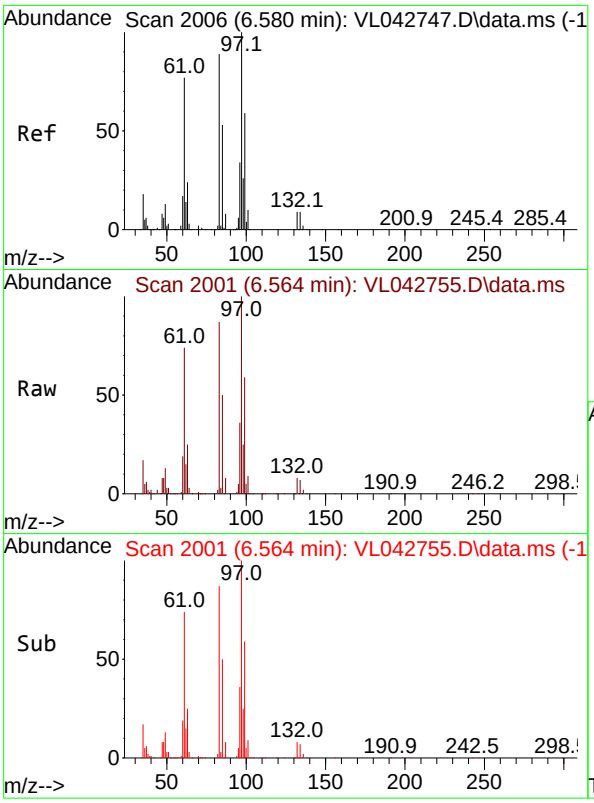


#46
cis-1,3-Dichloropropene
Concen: 10.679 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 215596

Ion	Ratio	Lower	Upper
75	100		
39	73.3	60.2	90.2
77	30.9	22.6	34.0

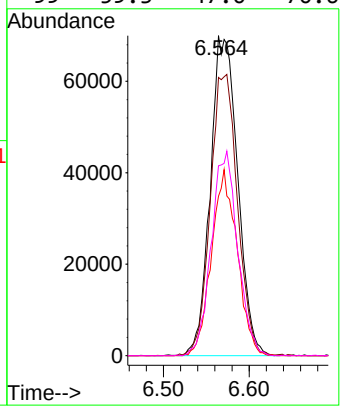




#47
1,1,2-Trichloroethane
Concen: 9.848 ppbv m
RT: 6.564 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 15488

Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.1	106.7
85	49.8	43.0	64.4
99	59.3	47.0	70.6



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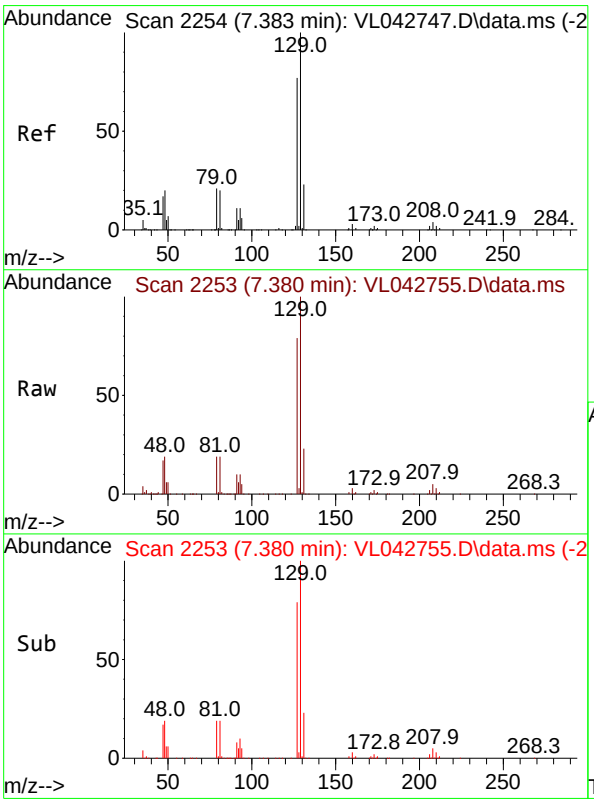
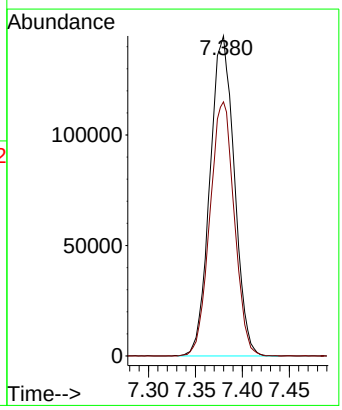
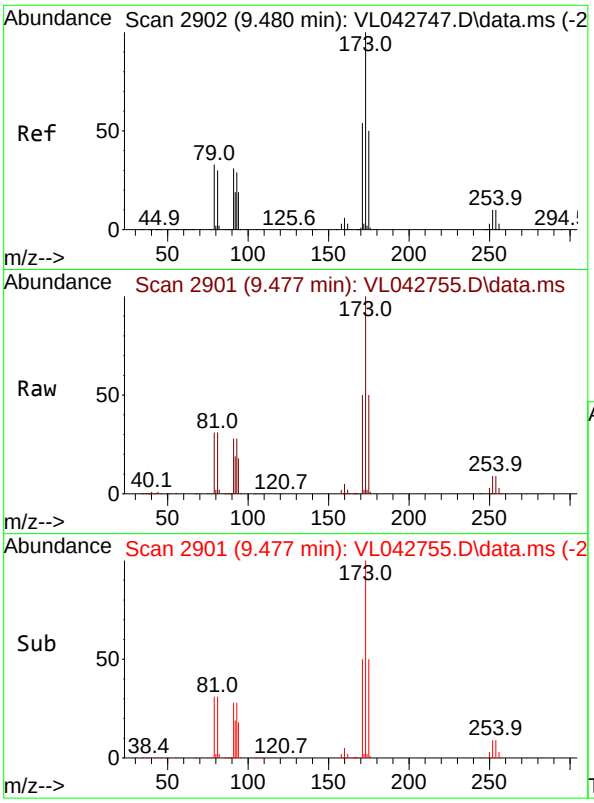


#48
Dibromochloromethane
Concen: 10.460 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:129 Resp: 261174

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.7	116.1

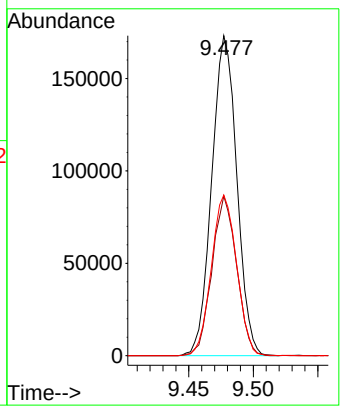




#49
Bromoform
Concen: 10.729 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:173 Resp: 23357

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.4	57.6
171	50.7	40.9	61.3



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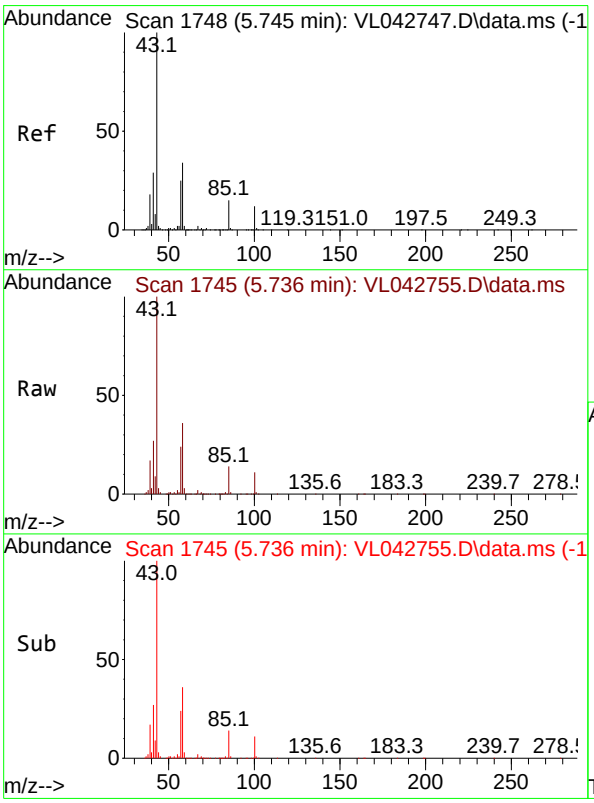
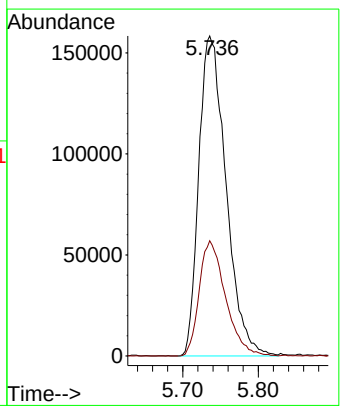
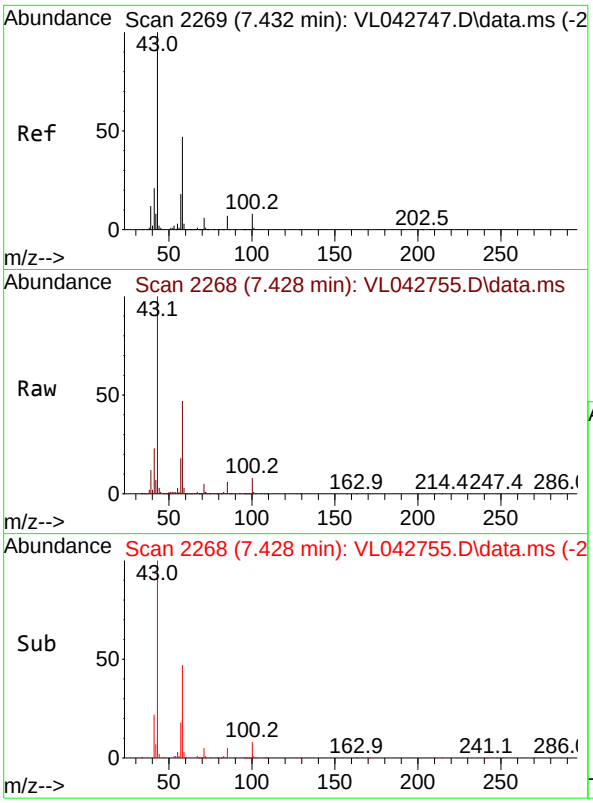


#50
4-Methyl-2-Pentanone
Concen: 10.303 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 396506

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8





#51
2-Hexanone
Concen: 11.029 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 32074

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.0	57.0
98	0.5	0.2	0.4

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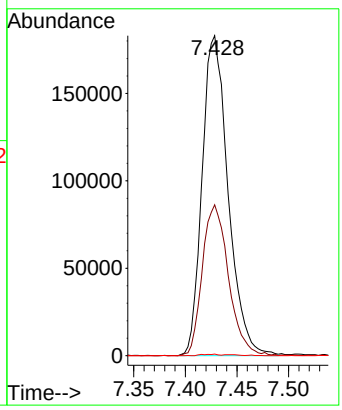
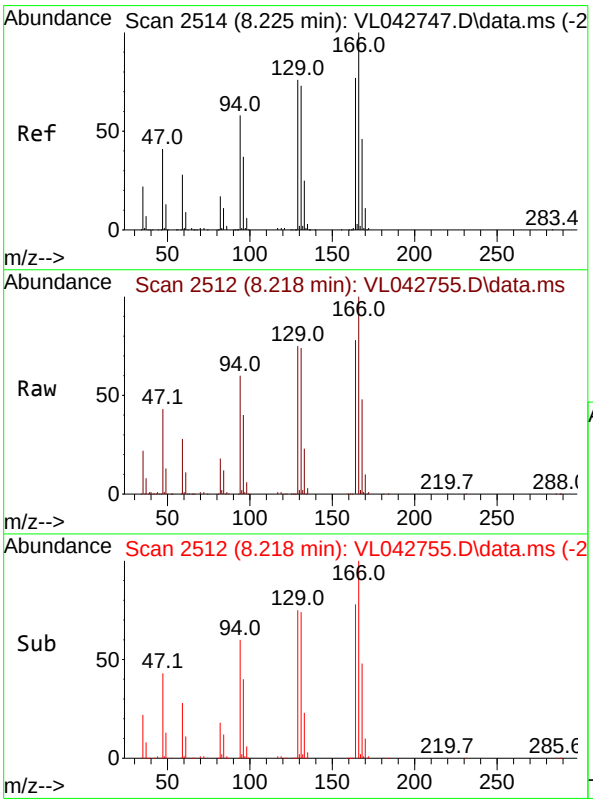
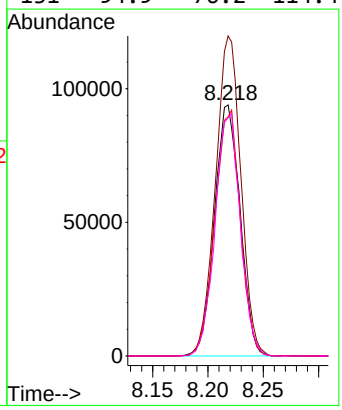


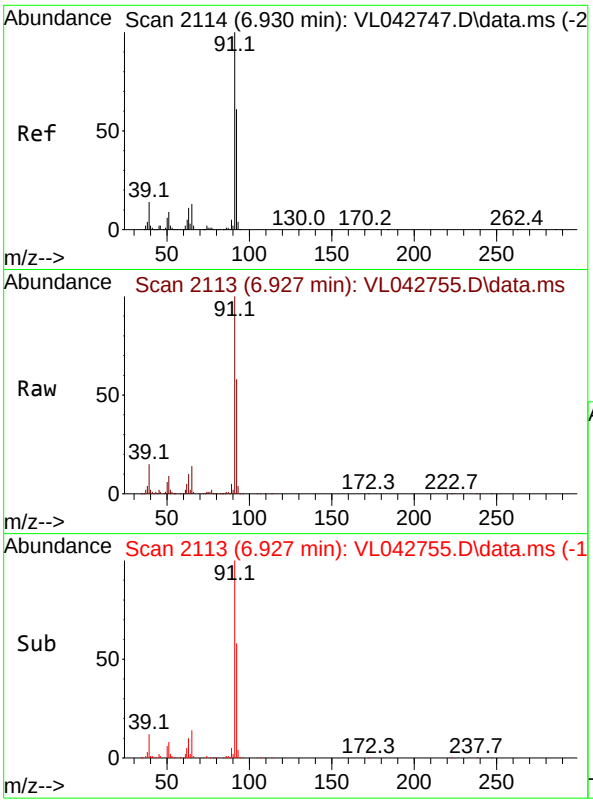


#52
Tetrachloroethene
Concen: 9.163 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:164 Resp: 151810

Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.0	156.0
129	95.3	79.2	118.8
131	94.9	76.2	114.4

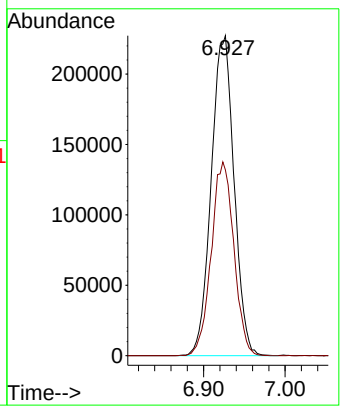




#53
Toluene
Concen: 10.294 ppbv
RT: 6.927 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 44182

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0



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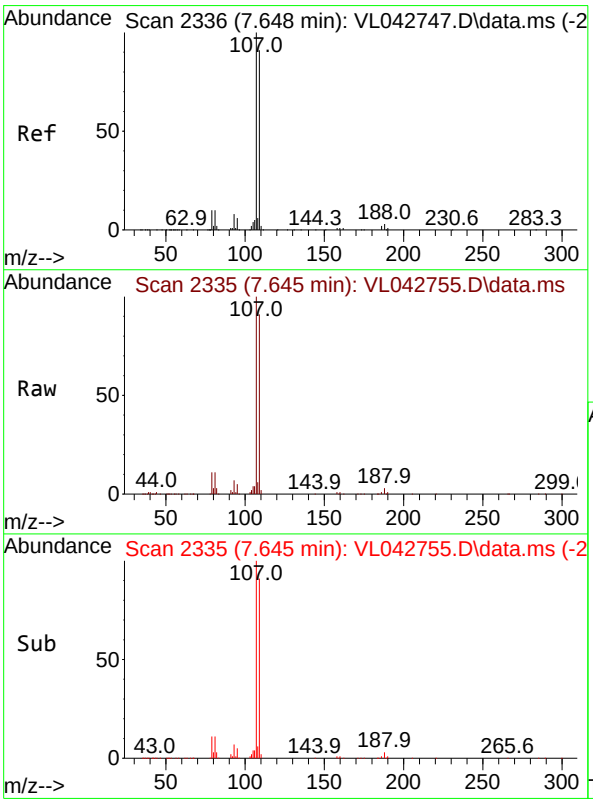
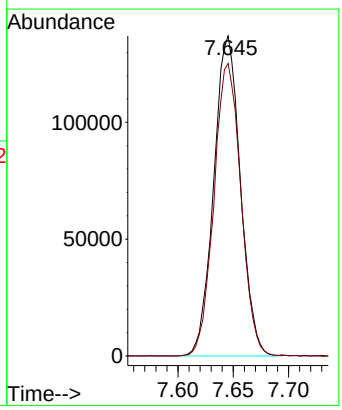
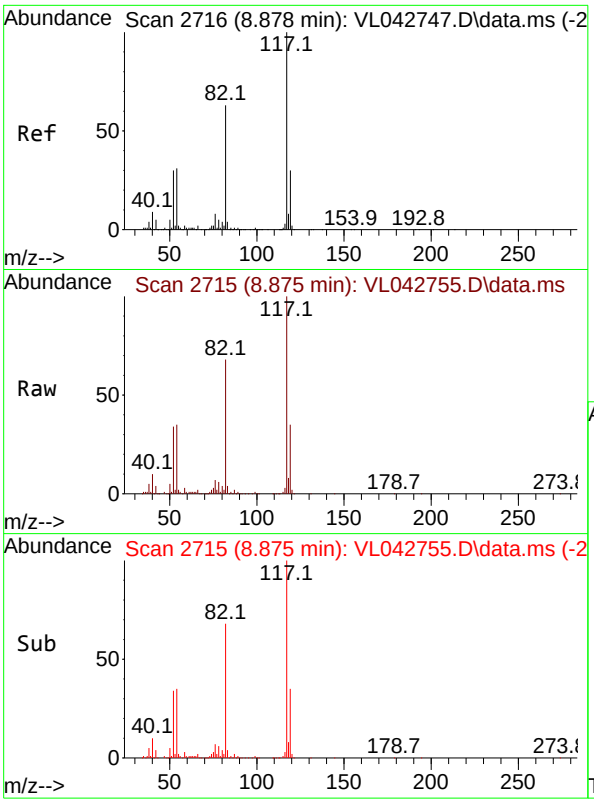


#54
1,2-Dibromoethane
Concen: 10.331 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:107 Resp: 229563

Ion	Ratio	Lower	Upper
107	100		
109	91.3	72.7	109.1

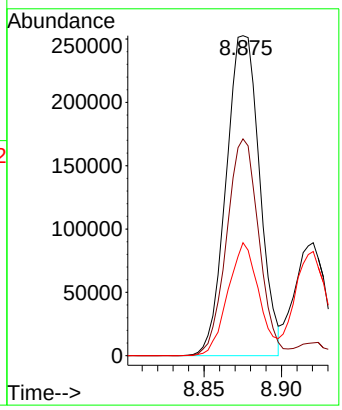




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:117 Resp: 38053

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.3	79.9
119	33.0	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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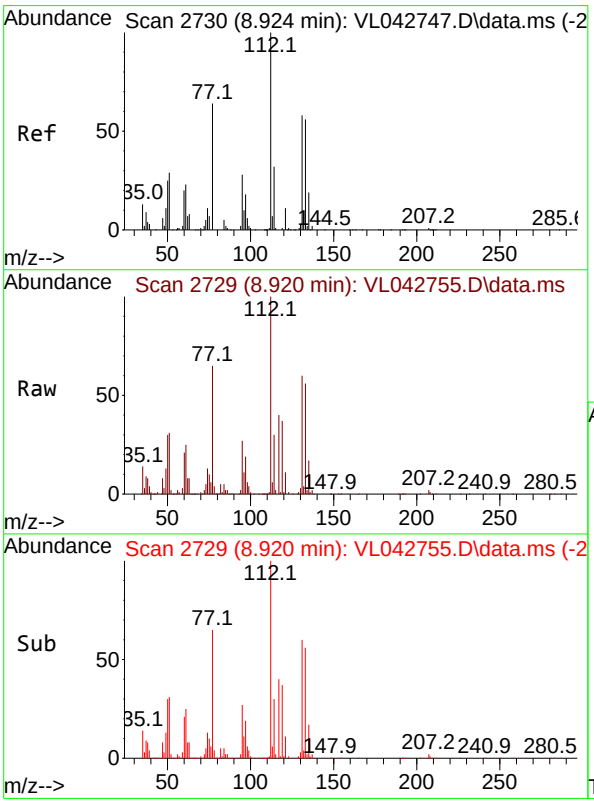
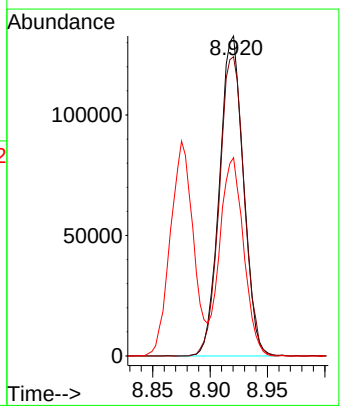
Supervised By :Mahesh Dadoda 07/24/2025

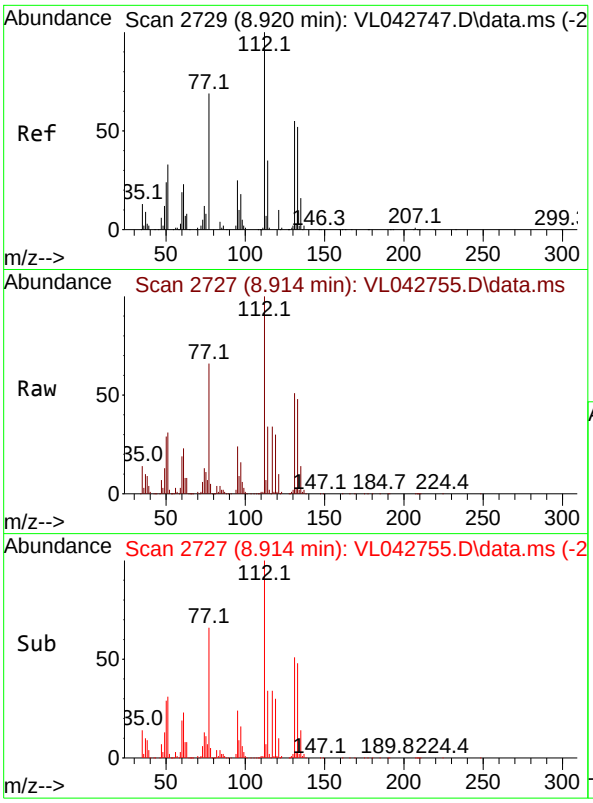


#56
1,1,1,2-Tetrachloroethane
Concen: 9.759 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:131 Resp: 193089

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.8	115.2
119	61.2	49.7	74.5





#57
Chlorobenzene
Concen: 9.623 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:112 Resp: 35441

Ion	Ratio	Lower	Upper
112	100		
77	66.4	56.4	84.6
114	34.0	31.2	38.2

Instrument :
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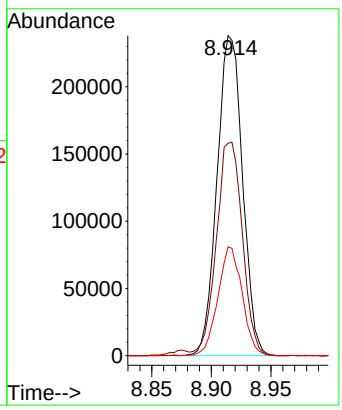
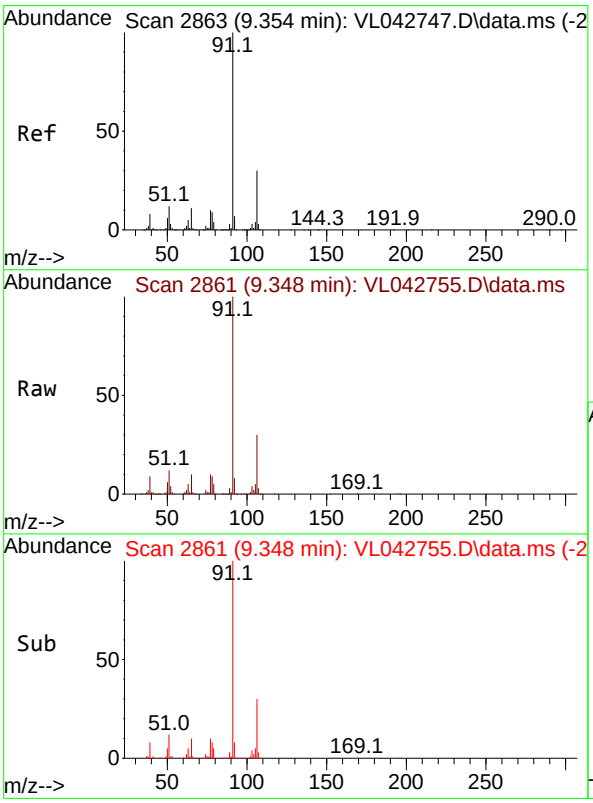
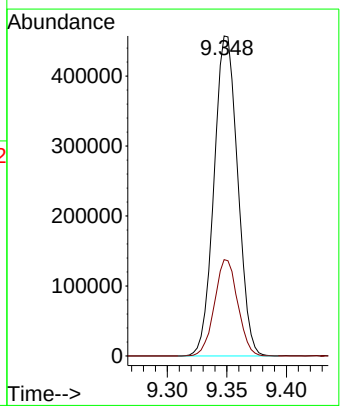


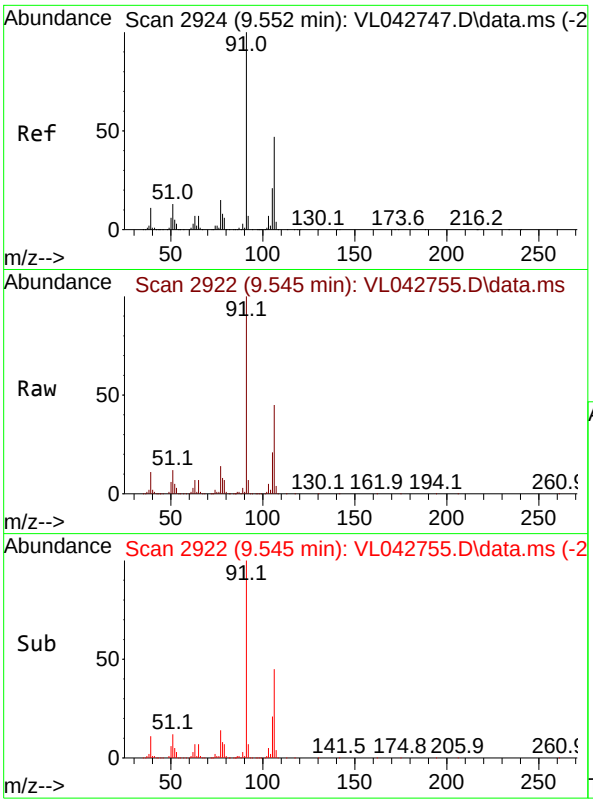


#58
Ethyl Benzene
Concen: 10.504 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 631247

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6

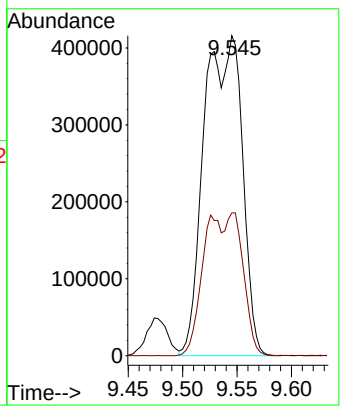




#59
m/p-Xylene
Concen: 21.160 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 101624

Ion	Ratio	Lower	Upper
91	100		
106	45.4	37.4	56.2



Instrument :
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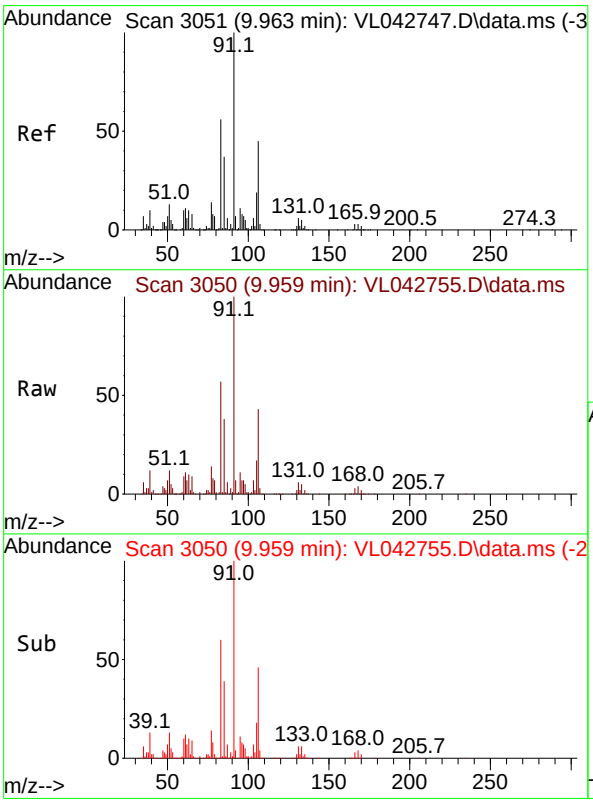
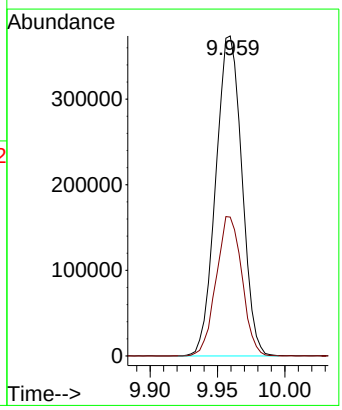
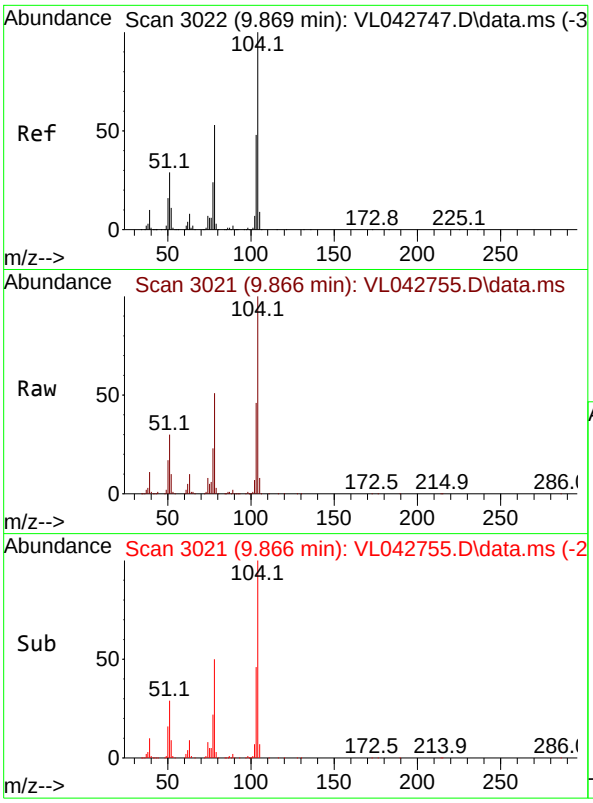


#60
o-Xylene
Concen: 10.499 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 503849

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.0	66.0

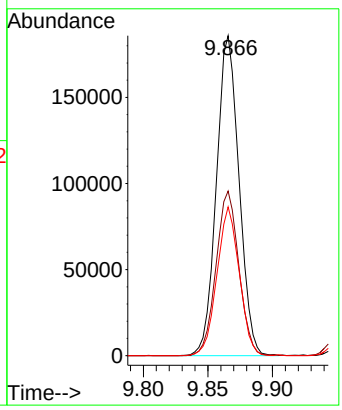




#61
Styrene
Concen: 11.185 ppbv
RT: 9.866 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:104 Resp: 22579(

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.0	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
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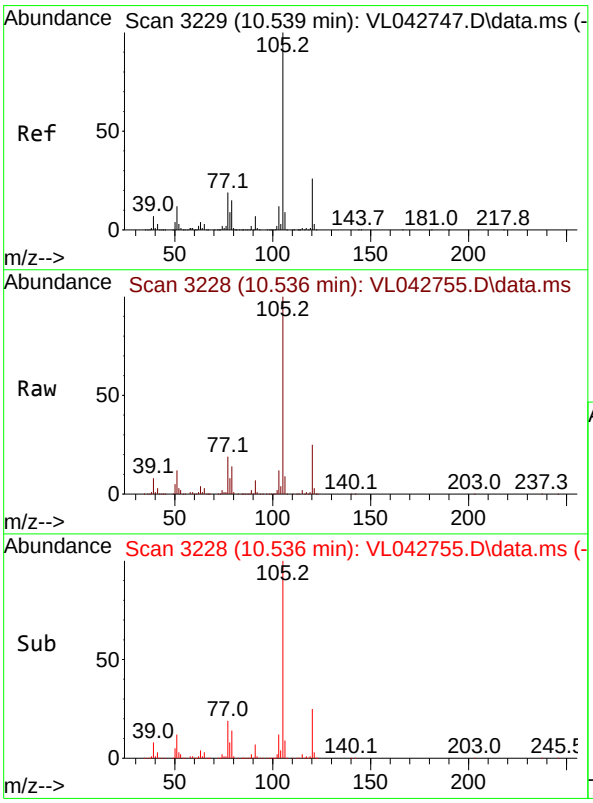
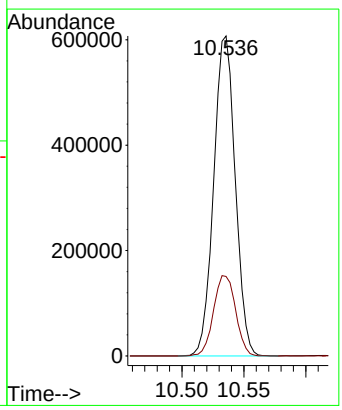
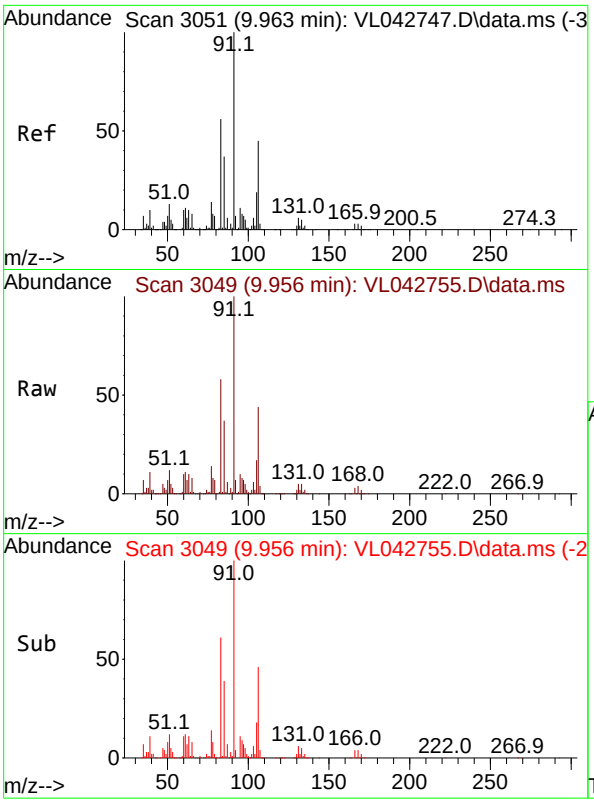


#62
Isopropylbenzene
Concen: 10.398 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 736044

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7

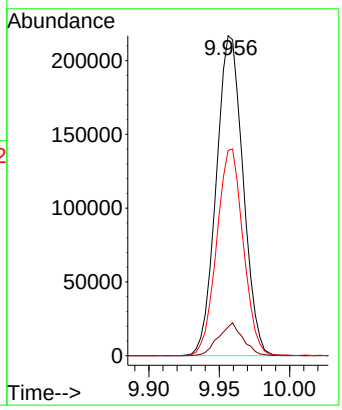




#63
1,1,2,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 28777

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	15.0
85	64.0	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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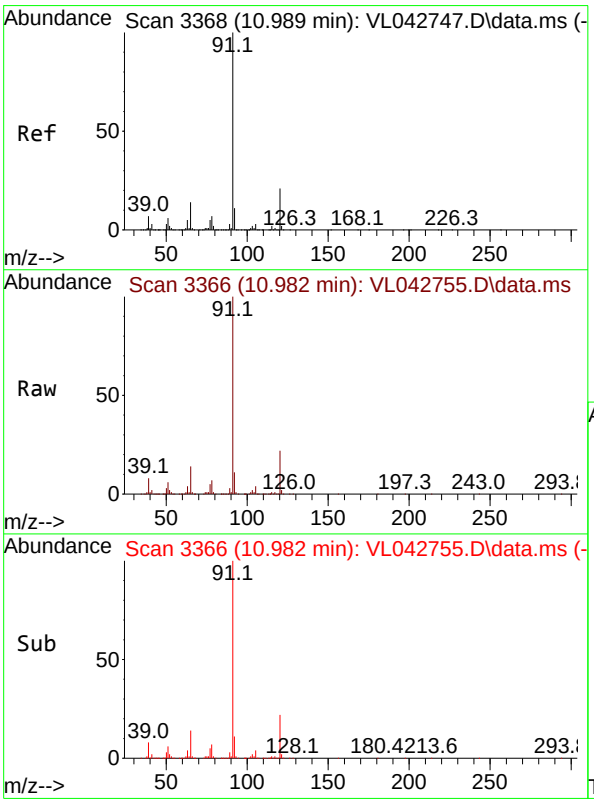
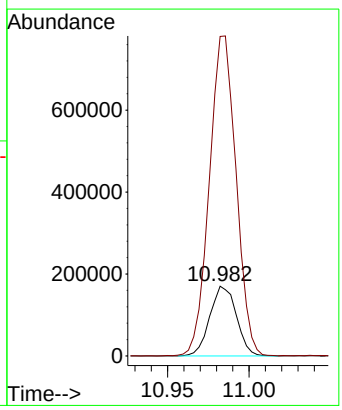
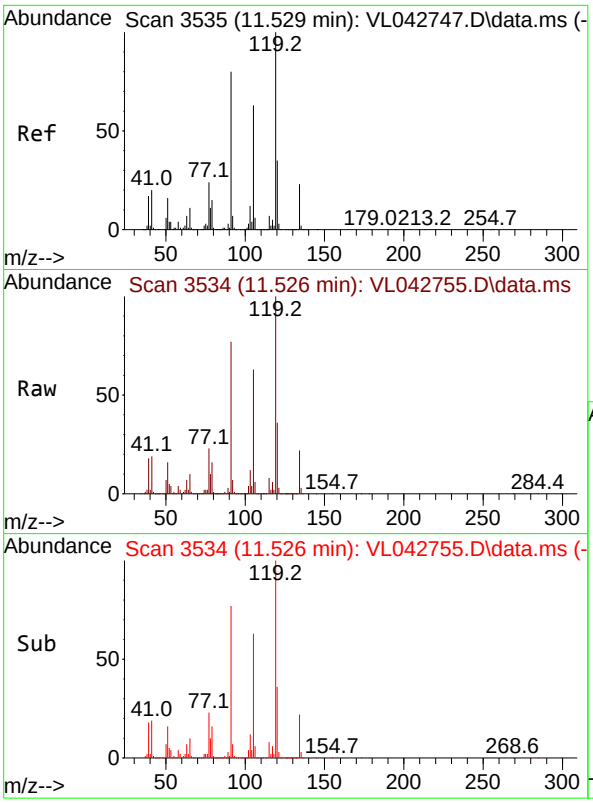


#64
n-propylbenzene
Concen: 10.460 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:120 Resp: 193034

Ion	Ratio	Lower	Upper
120	100		
91	461.7	372.7	559.1

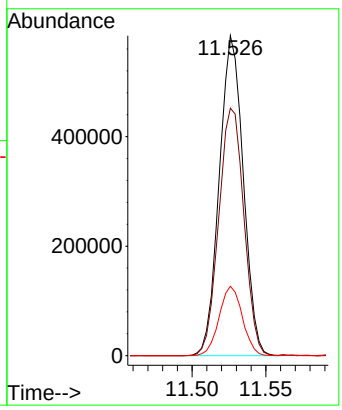




#65
tert-Butylbenzene
Concen: 10.512 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:119 Resp: 66096

Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.0	96.0
134	21.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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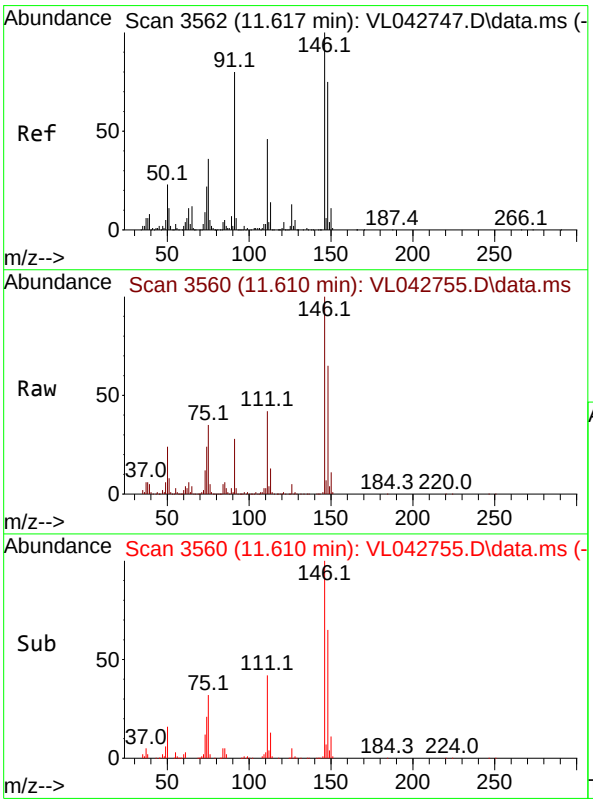
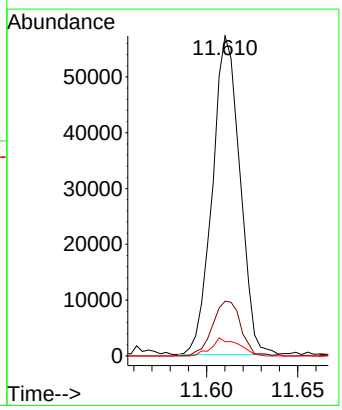
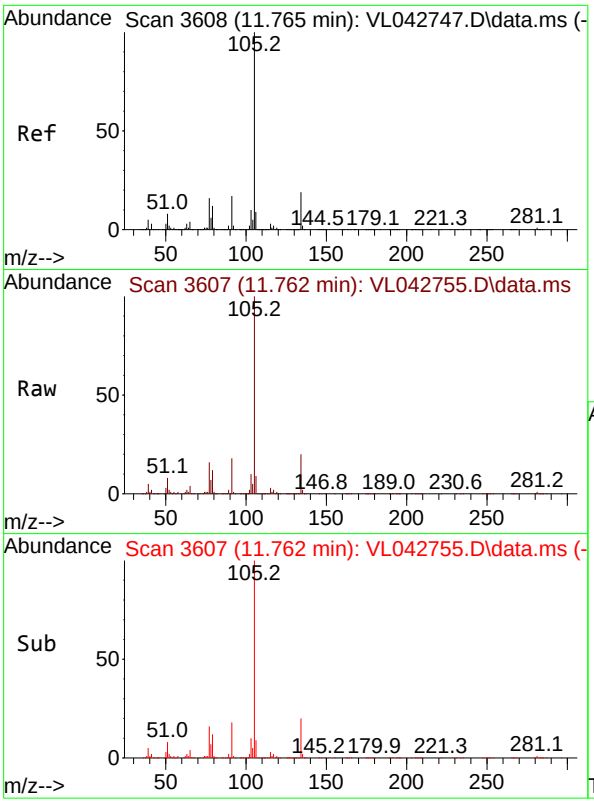


#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 60055

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.6	5.2	7.8

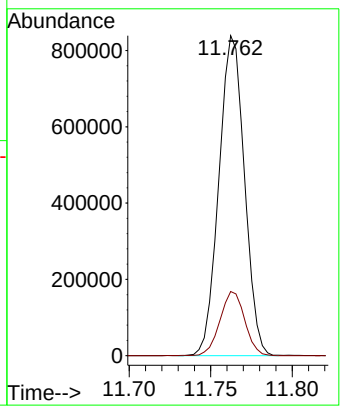




#67
sec-Butylbenzene
Concen: 10.221 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 91404

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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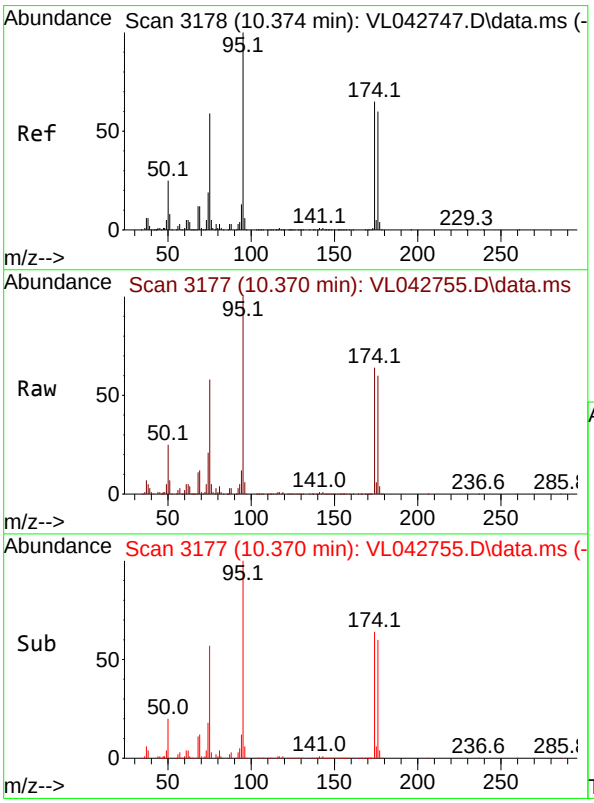
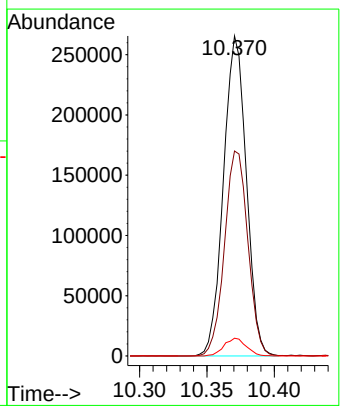
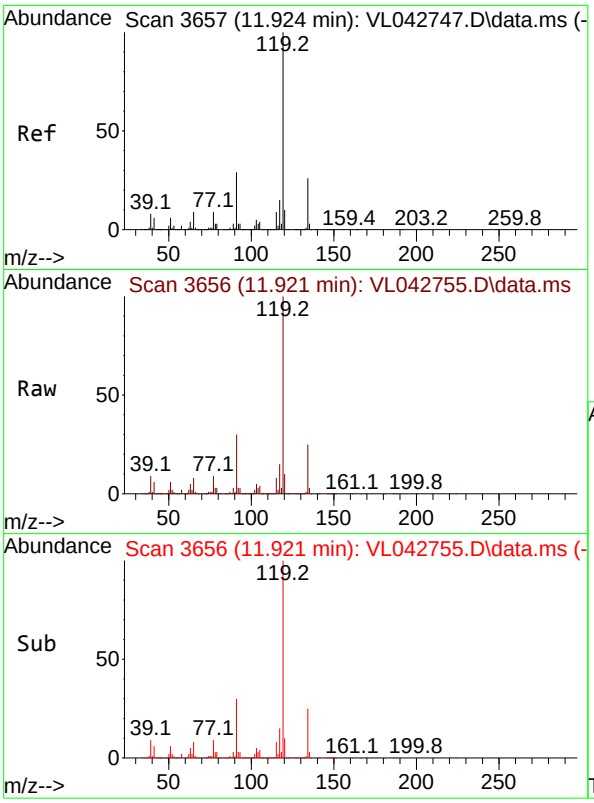


#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 95 Resp: 313324

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.4	4.0	6.0

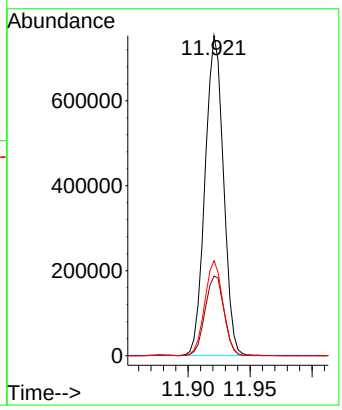




#69
p-Isopropyltoluene
Concen: 10.677 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:119 Resp: 77860

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.5	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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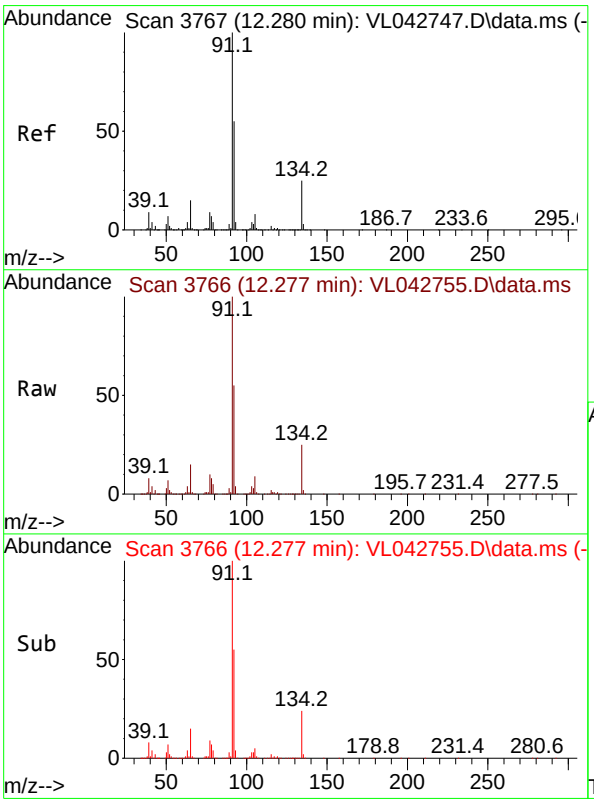
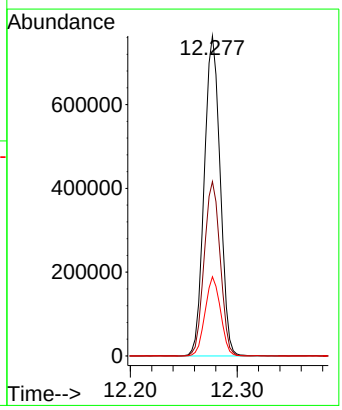
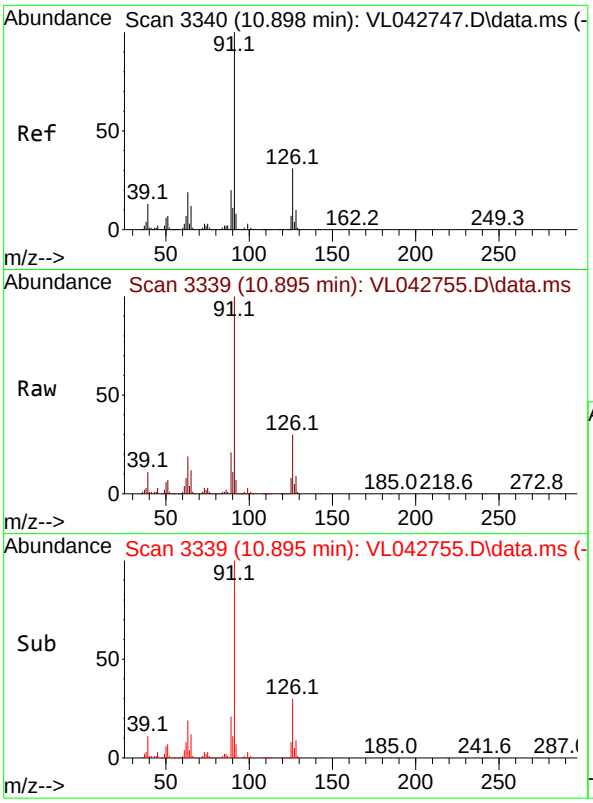


#70
n-Butylbenzene
Concen: 11.197 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 788734

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.4	65.2
134	24.1	19.6	29.4

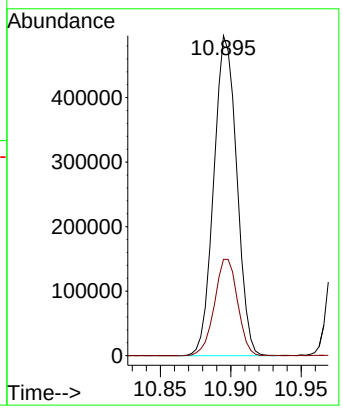




#71
2-Chlorotoluene
Concen: 10.376 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 56319

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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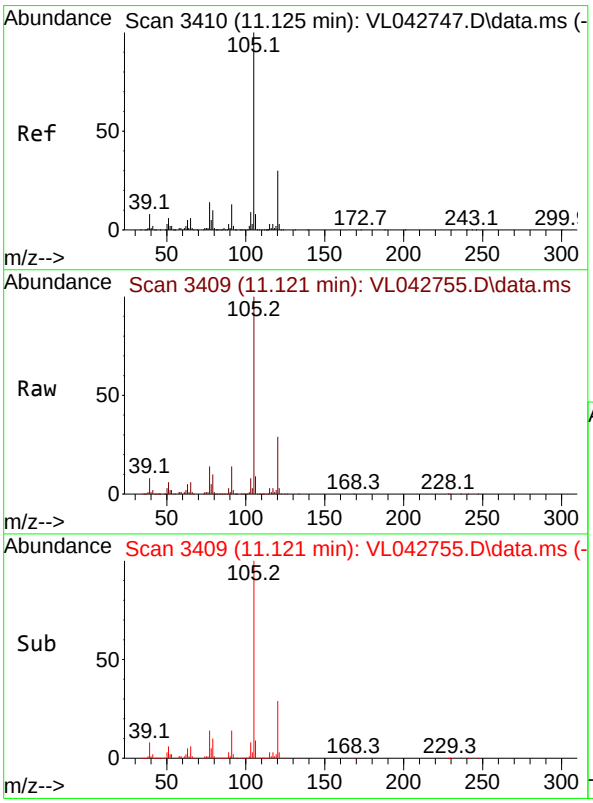
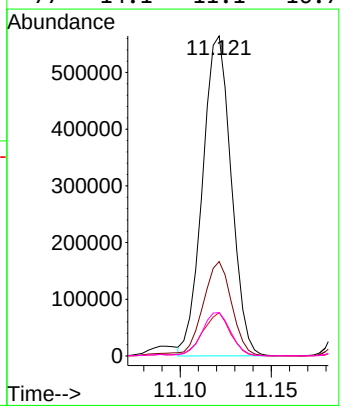
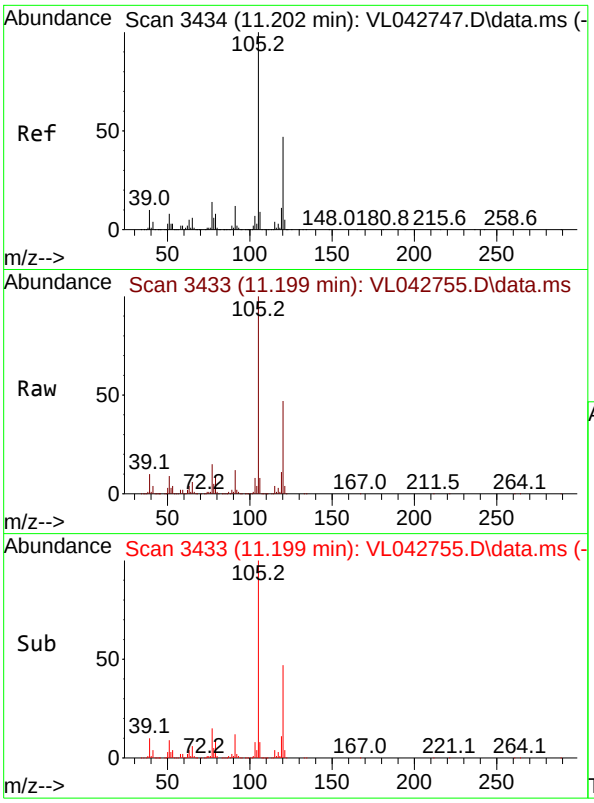


#72
4-Ethyltoluene
Concen: 10.772 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 617355

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	13.4	10.6	15.8
77	14.1	11.1	16.7

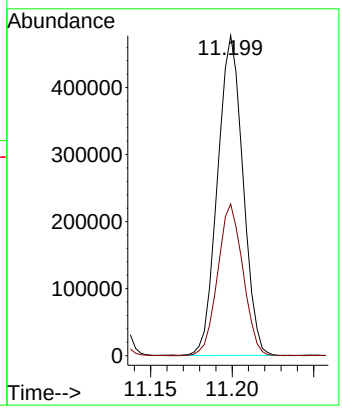




#73
1,3,5-Trimethylbenzene
Concen: 10.951 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 51673

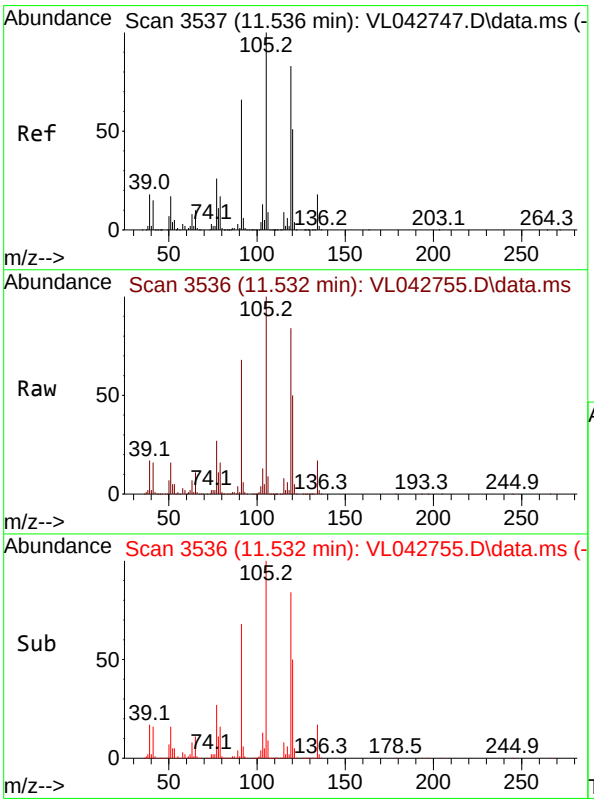
Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

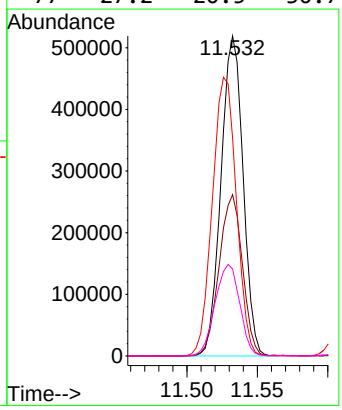
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

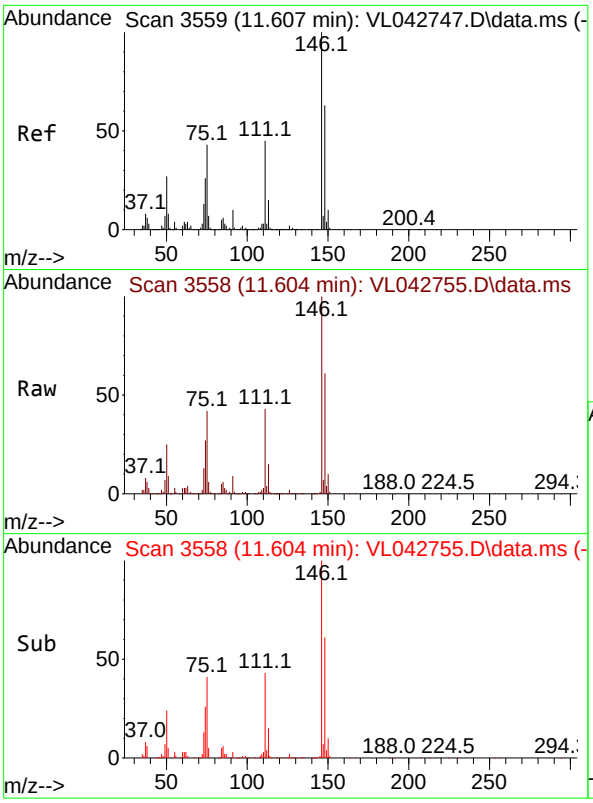


#74
1,2,4-Trimethylbenzene
Concen: 11.017 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 567186

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.8	61.2
91	68.1	53.0	79.4
77	27.2	20.5	30.7

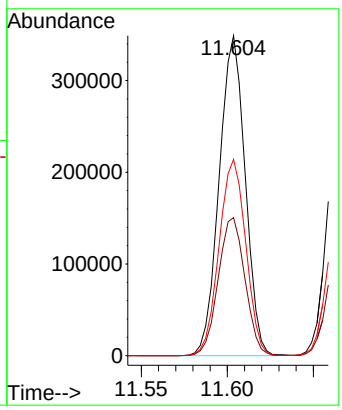




#75
1,3-Dichlorobenzene
Concen: 10.165 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 36685

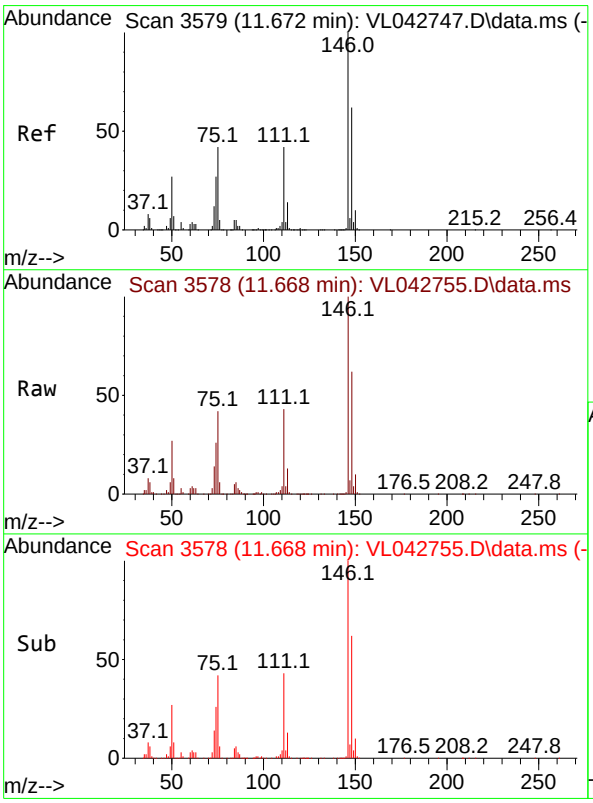
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.7	68.0
148	63.1	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

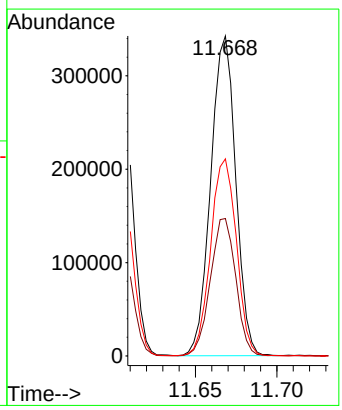
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

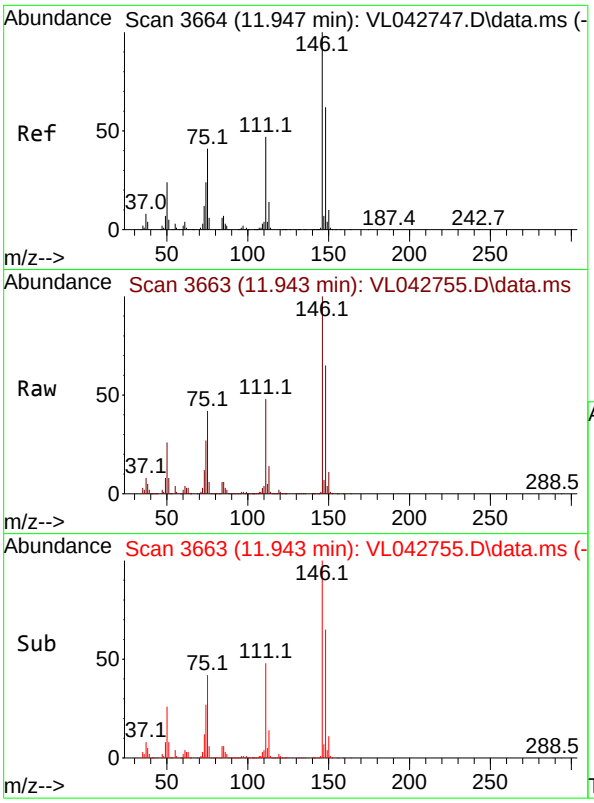


#76
1,4-Dichlorobenzene
Concen: 10.333 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 364937

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	63.8	32.1	96.3

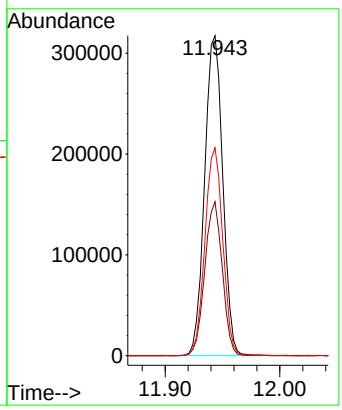




#77
1,2-Dichlorobenzene
Concen: 9.839 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 34899

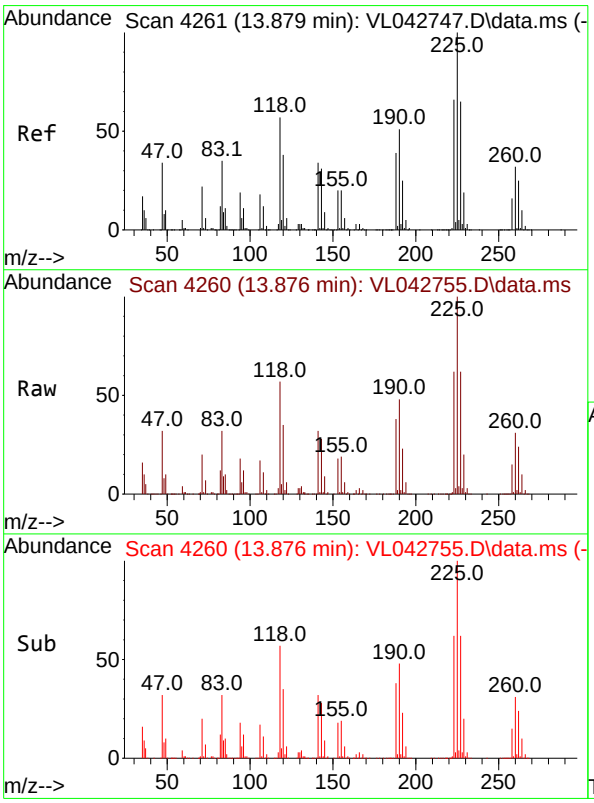
Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	63.8	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

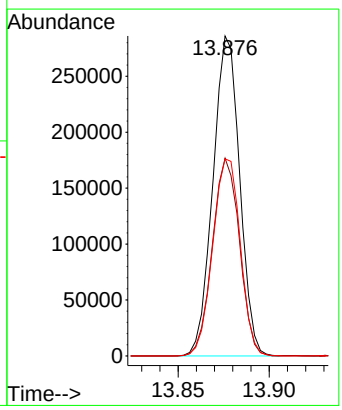
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

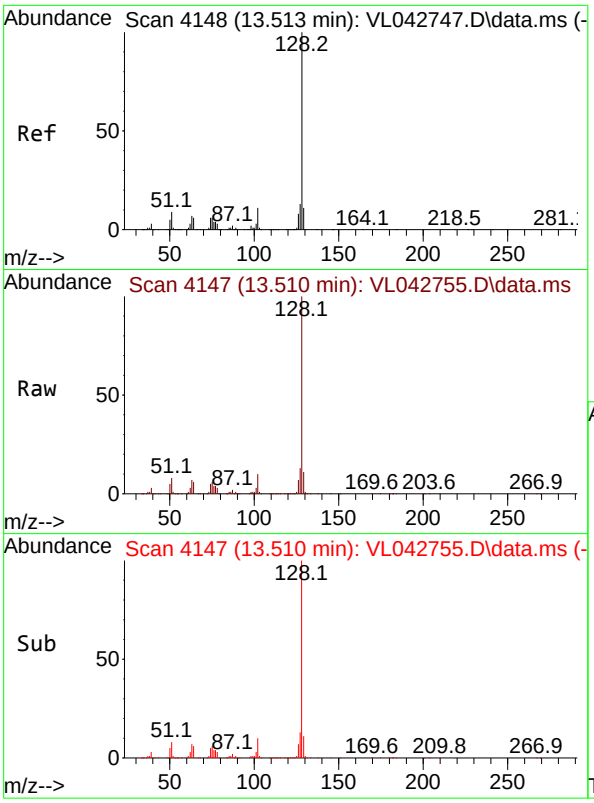


#78
Hexachloro-1,3-Butadiene
Concen: 9.091 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:225 Resp: 291861

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.5	50.5	75.7

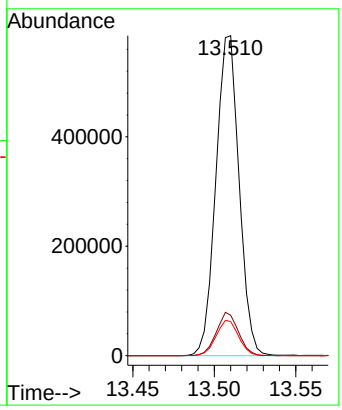




#79
Naphthalene
Concen: 10.342 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:128 Resp: 57856

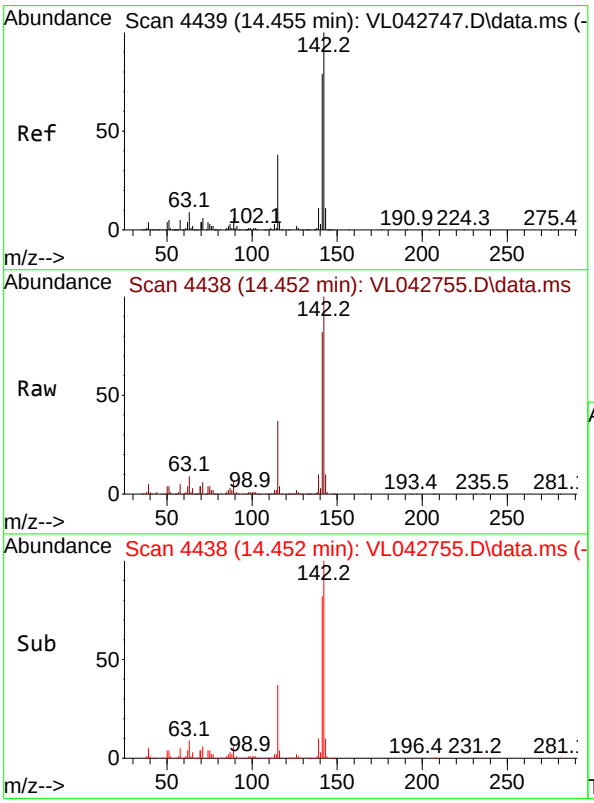
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.6	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

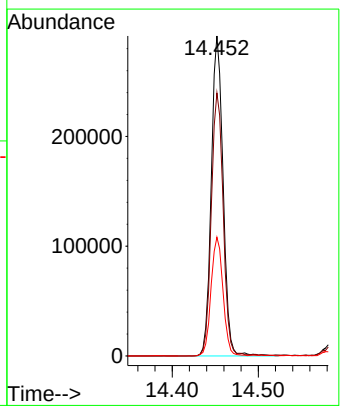
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

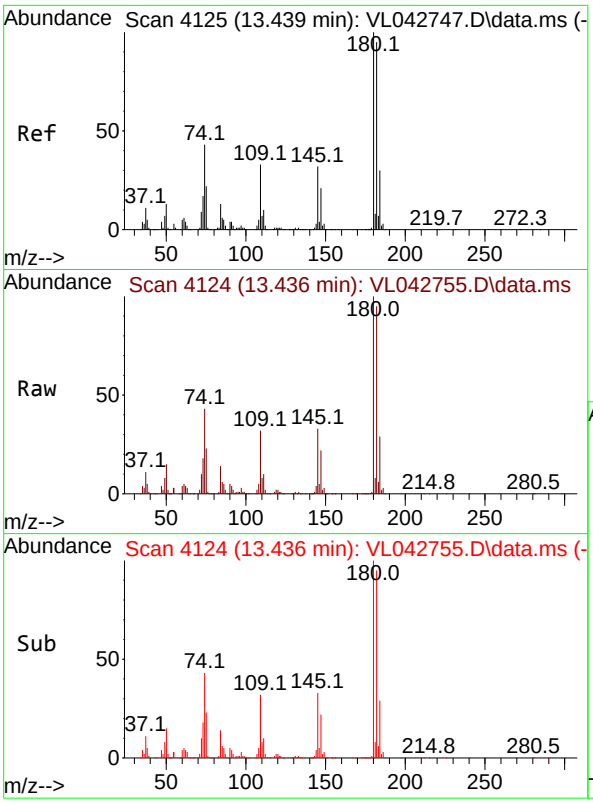


#80
Naphthalene,2-methyl-
Concen: 9.951 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:142 Resp: 277798

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.8
115	38.2	31.2	46.8

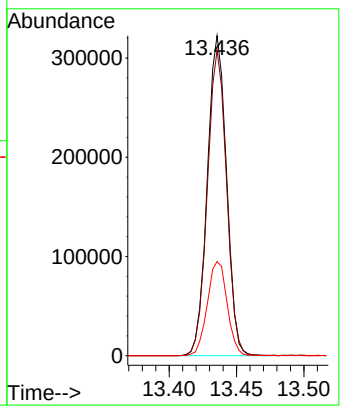




#81
1,2,4-Trichlorobenzene
Concen: 10.181 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:180 Resp: 31989

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
184	30.5	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	1.322	1.252	5.3	97	0.00
3		Chlorodifluoromethane	1.722	1.641	4.7	94	0.00
4		Chloromethane	0.535	0.488	8.8	94	0.00
5	T	Vinyl Chloride	0.528	0.437	17.2	99	0.00
6	T	Bromomethane	0.204	0.183	10.3	96	0.00
7		Chloroethane	0.204	0.176	13.7	93	0.00
8	T	Dichlorotetrafluoroethane	1.087	1.005	7.5	95	0.00
9	T	Propene	0.626	0.583	6.9	91	0.00
10	T	Heptane	1.688	1.675	0.8	95	0.00
11	T	Trichlorofluoromethane	1.363	1.213	11.0	92	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.036	0.934	9.8	92	0.00
13		Ethanol	0.083	0.052	37.3#	97	0.00
14	T	Bromoethene	0.367	0.331	9.8	91	0.00
15	T	Acetone	1.381	1.011	26.8	94	0.00
16	T	1,3-Butadiene	0.589	0.534	9.3	98	0.00
17		tert-Butyl alcohol	1.245	1.149	7.7	92	0.00
18	T	1,1-Dichloroethene	0.468	0.420	10.3	97	0.00
19	T	Isopropyl Alcohol	0.734	0.661	9.9	93	0.00
20	T	Methylene Chloride	0.435	0.362	16.8	100	0.00
21	T	Allyl Chloride	0.851	0.803	5.6	94	0.00
22	T	trans-1,2-Dichloroethene	0.503	0.469	6.8	95	0.00
23	T	Vinyl Acetate	1.674	1.769	-5.7	97	0.00
24	T	1,1-Dichloroethane	1.033	0.929	10.1	92	0.00
25	T	Ethyl Acetate	3.056	3.000	1.8	95	0.00
26	T	Hexane	1.341	1.287	4.0	93	0.00
27	T	Carbon Disulfide	1.148	1.108	3.5	95	0.00
28	T	Methyl tert-Butyl Ether	0.633	0.577	8.8	97	0.00
29	T	Chloroform	2.072	1.998	3.6	97	0.00
30	T	Cyclohexane	1.137	1.111	2.3	92	0.00
31	T	cis-1,2-Dichloroethene	1.378	1.351	2.0	96	0.00
32	T	1,1,1-Trichloroethane	2.158	1.979	8.3	94	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.708	0.699	1.3	96	0.00
35	T	Carbon Tetrachloride	0.743	0.735	1.1	96	0.00
36	T	Benzene	0.948	0.932	1.7	95	0.00
37	T	1,2-Dichloroethane	0.571	0.565	1.1	96	0.00
38	T	Trichloroethene	0.455	0.423	7.0	95	0.00
39	T	1,2-Dichloropropane	0.350	0.335	4.3	94	0.00
40	T	1,4-Dioxane	0.163	0.155	4.9	100	0.00
41	T	Tetrahydrofuran	0.360	0.375	-4.2	95	0.00
42	T	Bromodichloromethane	0.744	0.762	-2.4	96	0.00
43		Methyl Methacrylate	0.337	0.362	-7.4	95	0.00
44	T	2,2,4-Trimethylpentane	1.545	1.541	0.3	94	0.00
45	T	t-1,3-Dichloropropene	0.378	0.402	-6.3	91	0.00
46	T	cis-1,3-Dichloropropene	0.479	0.511	-6.7	92	0.00
47	T	1,1,2-Trichloroethane	0.373	0.367	1.6	97	-0.02
48	T	Dibromochloromethane	0.592	0.619	-4.6	94	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.516	0.554	-7.4	95	0.00
50	T	4-Methyl-2-Pentanone	0.912	0.940	-3.1	96	0.00
51	T	2-Hexanone	0.690	0.761	-10.3	95	0.00
52	T	Tetrachloroethene	0.393	0.360	8.4	97	0.00
53	T	Toluene	1.018	1.048	-2.9	93	0.00
54	T	1,2-Dibromoethane	0.527	0.544	-3.2	96	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.520	0.507	2.5	95	0.00
57	T	Chlorobenzene	0.968	0.931	3.8	95	0.00
58	T	Ethyl Benzene	1.579	1.659	-5.1	96	0.00
59	T	m/p-Xylene	1.262	1.335	-5.8	97	0.00
60	T	o-Xylene	1.261	1.324	-5.0	97	0.00
61	T	Styrene	0.531	0.593	-11.7	95	0.00
62		Isopropylbenzene	1.860	1.934	-4.0	97	0.00
63	T	1,1,2,2-Tetrachloroethane	0.810	0.756	6.7	98	0.00
64		n-propylbenzene	0.485	0.507	-4.5	97	0.00
65		tert-Butylbenzene	1.652	1.737	-5.1	97	0.00
66	T	Benzyl Chloride	0.136	0.158	-16.2	90	0.00
67		sec-Butylbenzene	2.350	2.402	-2.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	0.792	0.823	-3.9	93	0.00
69		p-Isopropyltoluene	1.916	2.046	-6.8	96	0.00
70		n-Butylbenzene	1.851	2.073	-12.0	96	0.00
71		2-Chlorotoluene	1.426	1.480	-3.8	96	0.00
72	T	4-Ethyltoluene	1.506	1.622	-7.7	96	0.00
73	T	1,3,5-Trimethylbenzene	1.240	1.358	-9.5	96	0.00
74	T	1,2,4-Trimethylbenzene	1.353	1.490	-10.1	97	0.00
75	T	1,3-Dichlorobenzene	0.948	0.964	-1.7	98	0.00
76	T	1,4-Dichlorobenzene	0.928	0.959	-3.3	97	0.00
77	T	1,2-Dichlorobenzene	0.932	0.917	1.6	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.844	0.767	9.1	97	0.00
79	T	Naphthalene	0.958	1.520	-58.7#	97	0.00
80	T	Naphthalene,2-methyl-	0.326	0.730	-123.9#	96	0.00
81	T	1,2,4-Trichlorobenzene	0.635	0.841	-32.4#	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	10.000	9.472	5.3	97	0.00
3		Chlorodifluoromethane	10.000	9.525	4.7	94	0.00
4		Chloromethane	10.000	9.119	8.8	94	0.00
5	T	Vinyl Chloride	10.000	8.265	17.3	99	0.00
6	T	Bromomethane	10.000	8.957	10.4	96	0.00
7		Chloroethane	10.000	8.641	13.6	93	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.244	7.6	95	0.00
9	T	Propene	10.000	9.316	6.8	91	0.00
10	T	Heptane	10.000	9.921	0.8	95	0.00
11	T	Trichlorofluoromethane	10.000	8.902	11.0	92	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.023	9.8	92	0.00
13		Ethanol	10.000	10.243	-2.4	97	0.00
14	T	Bromoethene	10.000	9.020	9.8	91	0.00
15	T	Acetone	10.000	7.324	26.8	94	0.00
16	T	1,3-Butadiene	10.000	9.072	9.3	98	0.00
17		tert-Butyl alcohol	10.000	9.225	7.8	92	0.00
18	T	1,1-Dichloroethene	10.000	8.970	10.3	97	0.00
19	T	Isopropyl Alcohol	10.000	9.006	9.9	93	0.00
20	T	Methylene Chloride	10.000	8.320	16.8	100	0.00
21	T	Allyl Chloride	10.000	9.441	5.6	94	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.322	6.8	95	0.00
23	T	Vinyl Acetate	10.000	10.568	-5.7	97	0.00
24	T	1,1-Dichloroethane	10.000	8.993	10.1	92	0.00
25	T	Ethyl Acetate	10.000	9.816	1.8	95	0.00
26	T	Hexane	10.000	9.597	4.0	93	0.00
27	T	Carbon Disulfide	10.000	9.652	3.5	95	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.114	8.9	97	0.00
29	T	Chloroform	10.000	9.643	3.6	97	0.00
30	T	Cyclohexane	10.000	9.773	2.3	92	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.802	2.0	96	0.00
32	T	1,1,1-Trichloroethane	10.000	9.172	8.3	94	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	9.869	1.3	96	0.00
35	T	Carbon Tetrachloride	10.000	9.900	1.0	96	0.00
36	T	Benzene	10.000	9.834	1.7	95	0.00
37	T	1,2-Dichloroethane	10.000	9.895	1.1	96	0.00
38	T	Trichloroethene	10.000	9.301	7.0	95	0.00
39	T	1,2-Dichloropropane	10.000	9.578	4.2	94	0.00
40	T	1,4-Dioxane	10.000	9.481	5.2	100	0.00
41	T	Tetrahydrofuran	10.000	10.404	-4.0	95	0.00
42	T	Bromodichloromethane	10.000	10.254	-2.5	96	0.00
43		Methyl Methacrylate	10.000	10.738	-7.4	95	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.973	0.3	94	0.00
45	T	t-1,3-Dichloropropene	10.000	10.643	-6.4	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	10.679	-6.8	92	0.00
47	T	1,1,2-Trichloroethane	10.000	9.848	1.5	97	-0.02
48	T	Dibromochloromethane	10.000	10.460	-4.6	94	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	10.729	-7.3	95	0.00
50	T	4-Methyl-2-Pentanone	10.000	10.303	-3.0	96	0.00
51	T	2-Hexanone	10.000	11.029	-10.3	95	0.00
52	T	Tetrachloroethene	10.000	9.163	8.4	97	0.00
53	T	Toluene	10.000	10.294	-2.9	93	0.00
54	T	1,2-Dibromoethane	10.000	10.331	-3.3	96	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.759	2.4	95	0.00
57	T	Chlorobenzene	10.000	9.623	3.8	95	0.00
58	T	Ethyl Benzene	10.000	10.504	-5.0	96	0.00
59	T	m/p-Xylene	20.000	21.160	-5.8	97	0.00
60	T	o-Xylene	10.000	10.499	-5.0	97	0.00
61	T	Styrene	10.000	11.185	-11.9	95	0.00
62		Isopropylbenzene	10.000	10.398	-4.0	97	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.340	6.6	98	0.00
64		n-propylbenzene	10.000	10.460	-4.6	97	0.00
65		tert-Butylbenzene	10.000	10.512	-5.1	97	0.00
66	T	Benzyl Chloride	10.000	11.634	-16.3	90	0.00
67		sec-Butylbenzene	10.000	10.221	-2.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.397	-4.0	93	0.00
69		p-Isopropyltoluene	10.000	10.677	-6.8	96	0.00
70		n-Butylbenzene	10.000	11.197	-12.0	96	0.00
71		2-Chlorotoluene	10.000	10.376	-3.8	96	0.00
72	T	4-Ethyltoluene	10.000	10.772	-7.7	96	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.951	-9.5	96	0.00
74	T	1,2,4-Trimethylbenzene	10.000	11.017	-10.2	97	0.00
75	T	1,3-Dichlorobenzene	10.000	10.165	-1.6	98	0.00
76	T	1,4-Dichlorobenzene	10.000	10.333	-3.3	97	0.00
77	T	1,2-Dichlorobenzene	10.000	9.839	1.6	97	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.091	9.1	97	0.00
79	T	Naphthalene	10.000	10.342	-3.4	97	0.00
80	T	Naphthalene,2-methyl-	10.000	9.951	0.5	96	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.181	-1.8	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL081325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Aug 14 02:12:54 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042847.D 0.1 =VL042846.D 0.5 =VL042845.D 1 =VL042844.D 2 =VL042843.D 10 =VL042842.D 15 =VL042848.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.566	1.525	1.511	1.343	1.383	1.466	6.61
3)		Chlorodifluoro...			1.752	1.621	1.714	1.509	1.504	1.620	7.05
4)		Chloromethane			0.648	0.618	0.606	0.533	0.551	0.591	8.09
5)	T	Vinyl Chloride	0.728	0.639	0.593	0.559	0.550	0.502	0.507	0.582	13.72
6)	T	Bromomethane			0.248	0.268	0.239	0.203	0.206	0.233	12.06
7)		Chloroethane			0.266	0.240	0.219	0.202	0.210	0.227	11.46
8)	T	Dichlorotetraf...			1.273	1.235	1.245	1.122	1.122	1.199	6.02
9)	T	Propene			0.824	0.692	0.715	0.656	0.611	0.700	11.40
10)	T	Heptane			2.009	2.011	1.917	1.718	1.713	1.874	7.96
11)	T	Trichlorofluor...			1.614	1.533	1.467	1.271	1.345	1.446	9.59
12)	T	1,1,2-Trichlor...			1.259	1.202	1.189	1.047	1.066	1.152	7.95
13)		Ethanol			0.089	0.069	0.070	0.046	0.047	0.064	27.87
14)	T	Bromoethene			0.462	0.416	0.436	0.381	0.391	0.417	7.89
15)	T	Acetone			1.708	1.475	1.476	0.950	1.005	1.323	24.92
16)	T	1,3-Butadiene			0.783	0.633	0.579	0.500	0.503	0.600	19.47
17)		tert-Butyl alc...			1.920	1.660	1.557	1.371	1.335	1.569	15.14
18)	T	1,1-Dichloroet...			0.552	0.509	0.532	0.469	0.472	0.507	7.21
19)	T	Isopropyl Alcohol			0.976	0.847	0.799	0.649	0.679	0.790	16.79
20)	T	Methylene Chlo...			0.792	0.596	0.544	0.414	0.425	0.554	27.79
21)	T	Allyl Chloride			1.122	0.902	0.945	0.850	0.854	0.935	11.98
22)	T	trans-1,2-Dich...			0.630	0.613	0.604	0.537	0.546	0.586	7.10
23)	T	Vinyl Acetate			2.161	1.733	1.849	1.663	1.689	1.819	11.22
24)	T	1,1-Dichloroet...			1.317	1.223	1.185	1.040	1.088	1.171	9.38
25)	T	Ethyl Acetate			3.491	3.346	3.324	2.932	2.914	3.202	8.19
26)	T	Hexane			1.557	1.552	1.522	1.392	1.366	1.478	6.19
27)	T	Carbon Disulfide			1.504	1.513	1.511	1.314	1.348	1.438	6.84
28)	T	Methyl tert-Bu...			0.833	0.747	0.817	0.661	0.710	0.754	9.61
29)	T	Chloroform			2.299	2.183	2.166	1.932	1.970	2.110	7.32
30)	T	Cyclohexane			1.425	1.283	1.340	1.214	1.217	1.296	6.87
31)	T	cis-1,2-Dichlo...			1.625	1.524	1.524	1.346	1.362	1.476	8.06
32)	T	1,1,1-Trichlor...	2.448	2.528	2.209	2.148	2.215	1.999	2.063	2.230	8.69
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.753	0.702	0.700	0.610	0.611	0.675	9.33
35)	T	Carbon Tetrach...	0.736	0.738	0.682	0.700	0.692	0.636	0.643	0.689	5.84
36)	T	Benzene			1.013	0.978	0.990	0.912	0.896	0.958	5.33
37)	T	1,2-Dichloroet...			0.512	0.516	0.503	0.483	0.488	0.500	2.87
38)	T	Trichloroethene	0.416	0.448	0.501	0.448	0.453	0.399	0.397	0.437	8.35
39)	T	1,2-Dichloropr...			0.378	0.365	0.356	0.324	0.326	0.350	6.84

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL081325AIR.M

40)	T	1,4-Dioxane			0.189	0.185	0.166	0.148	0.144	0.166	12.22
41)	T	Tetrahydrofuran			0.395	0.389	0.392	0.355	0.351	0.376	5.64
42)	T	Bromodichlorom...			0.786	0.742	0.777	0.708	0.714	0.745	4.77
43)		Methyl Methacr...			0.427	0.402	0.415	0.368	0.362	0.394	7.31
44)	T	2,2,4-Trimethy...			1.728	1.719	1.676	1.515	1.489	1.625	7.06
45)	T	t-1,3-Dichloro...			0.450	0.464	0.456	0.428	0.427	0.445	3.73
46)	T	cis-1,3-Dichlo...			0.568	0.559	0.578	0.539	0.529	0.555	3.67
47)	T	1,1,2-Trichlor...			0.395	0.382	0.386	0.341	0.348	0.371	6.52
48)	T	Dibromochlorom...			0.596	0.605	0.632	0.584	0.581	0.600	3.44
49)	T	Bromoform			0.466	0.514	0.535	0.491	0.467	0.495	6.07
50)	T	4-Methyl-2-Pen...			0.960	0.917	0.946	0.881	0.859	0.913	4.67
51)	T	2-Hexanone			0.723	0.737	0.750	0.699	0.683	0.718	3.82
52)	T	Tetrachloroethene	0.391	0.379	0.369	0.333	0.345	0.313	0.295	0.346	10.19
53)	T	Toluene			1.219	1.180	1.160	1.072	1.061	1.138	6.09
54)	T	1,2-Dibromoethane		0.599	0.549	0.532	0.552	0.506	0.512	0.542	6.24
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.534	0.549	0.551	0.476	0.476	0.517	7.39
57)	T	Chlorobenzene			1.026	0.990	0.994	0.878	0.866	0.951	7.68
58)	T	Ethyl Benzene			1.854	1.866	1.838	1.636	1.630	1.765	6.84
59)	T	m/p-Xylene			1.447	1.454	1.455	1.283	1.277	1.383	6.81
60)	T	o-Xylene			1.532	1.472	1.445	1.266	1.242	1.391	9.31
61)	T	Styrene			0.711	0.677	0.660	0.610	0.601	0.652	7.09
62)		Isopropylbenzene			2.149	2.194	2.133	1.852	1.838	2.033	8.53
63)	T	1,1,2,2-Tetrac...	0.881	0.774	0.795	0.784	0.772	0.674	0.677	0.765	9.39
64)		n-propylbenzene			0.570	0.528	0.549	0.475	0.472	0.519	8.47
65)		tert-Butylbenzene			1.907	1.991	1.910	1.605	1.549	1.793	11.19
66)	T	Benzyl Chloride			0.232	0.226	0.246	0.227	0.207	0.228	6.21
67)		sec-Butylbenzene			2.669	2.754	2.706	2.250	2.202	2.516	10.62
68)	S	1-Bromo-4-Fluo...	0.736	0.746	0.755	0.760	0.744	0.755	0.754	0.750	1.09
69)		p-Isopropyltol...			2.338	2.372	2.328	1.905	1.856	2.160	11.85
70)		n-Butylbenzene			2.234	2.303	2.333	1.927	1.915	2.142	9.58
71)		2-Chlorotoluene			1.709	1.719	1.641	1.418	1.408	1.579	9.77
72)	T	4-Ethyltoluene			1.738	1.806	1.784	1.563	1.543	1.687	7.39
73)	T	1,3,5-Trimethy...			1.548	1.535	1.512	1.293	1.283	1.434	9.37
74)	T	1,2,4-Trimethy...			1.710	1.706	1.698	1.394	1.365	1.574	11.33
75)	T	1,3-Dichlorobe...			0.937	0.946	0.967	0.831	0.795	0.895	8.59
76)	T	1,4-Dichlorobe...			0.966	0.946	0.978	0.833	0.803	0.905	8.93
77)	T	1,2-Dichlorobe...			0.937	0.956	0.947	0.781	0.761	0.876	11.03
78)	T	Hexachloro-1,3...			0.814	0.845	0.804	0.572	0.556	0.718	19.74
79)	T	Naphthalene		1.174	1.383	1.647	1.746	1.315	1.300	1.427	15.50
80)	T	Naphthalene,2-...			0.430	0.554	0.708	0.478	0.497	0.533	20.15
81)	T	1,2,4-Trichlor...			0.623	0.797	0.855	0.661	0.650	0.717	14.24

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	133104	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413632	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	370372	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279557	10.064	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	178799	9.166	ppbv	100
3) Chlorodifluoromethane	1.476	51	200866	9.306	ppbv	100
4) Chloromethane	1.534	50	70952	9.013	ppbv	100
5) Vinyl Chloride	1.583	62	66768	8.612	ppbv	100
6) Bromomethane	1.670	94	26964	8.698	ppbv	100
7) Chloroethane	1.706	64	26884	8.879	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	149341	9.355	ppbv	100
9) Propene	1.486	41	87352	9.380	ppbv	100
10) Heptane	4.988	43	228679	9.186	ppbv	100
11) Trichlorofluoromethane	1.881	101	169157	8.789	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	139340	9.083	ppbv	100
13) Ethanol	1.722	45	6172	6.690	ppbv	100
14) Bromoethene	1.784	108	50730	9.135	ppbv	100
15) Acetone	1.839	43	126419	7.180	ppbv	100
16) 1,3-Butadiene	1.612	39	66595	8.343	ppbv	100
17) tert-Butyl alcohol	2.043	59	182511	8.741	ppbv	100
18) 1,1-Dichloroethene	2.036	96	62397	9.252	ppbv	100
19) Isopropyl Alcohol	1.887	45	86367	8.213	ppbv	100
20) Methylene Chloride	2.065	84	55107	7.471	ppbv	100
21) Allyl Chloride	2.098	41	113105	9.093	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	71518	9.482	ppbv	100
23) Vinyl Acetate	2.467	43	221395	9.558	ppbv	100
24) 1,1-Dichloroethane	2.412	63	138444	8.885	ppbv	100
25) Ethyl Acetate	2.839	43	390295	9.159	ppbv	100
26) Hexane	2.829	57	185288	9.420	ppbv	100
27) Carbon Disulfide	2.153	76	174928	9.138	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	87929	8.767	ppbv	100
29) Chloroform	2.852	83	257176	9.158	ppbv	100
30) Cyclohexane	3.862	84	161540	9.367	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	179162	9.107	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	266021	8.946	ppbv	100
34) 2-Butanone	2.560	43	252300	9.033	ppbv	100
35) Carbon Tetrachloride	3.771	117	262983	9.222	ppbv	100
36) Benzene	3.664	78	377113	9.521	ppbv	100
37) 1,2-Dichloroethane	3.224	62	199762	9.653	ppbv	100
38) Trichloroethene	4.557	130	164881	9.115	ppbv	100
39) 1,2-Dichloropropane	4.324	63	133996	9.263	ppbv	100
40) 1,4-Dioxane	4.590	88	61378	9.064	ppbv #	100
41) Tetrahydrofuran	3.059	42	147025	9.442	ppbv	100
42) Bromodichloromethane	4.499	83	292909	9.499	ppbv	100
43) Methyl Methacrylate	4.891	69	152035	9.357	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	626465	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	177207	9.616	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	222921	9.635	ppbv		100
47) 1,1,2-Trichloroethane	6.590	97	141105	9.215	ppbv		100
48) Dibromochloromethane	7.396	129	241553	9.739	ppbv		100
49) Bromoform	9.490	173	202975	9.923	ppbv		100
50) 4-Methyl-2-Pentanone	5.761	43	364306	9.616	ppbv		100
51) 2-Hexanone	7.441	43	289052	9.730	ppbv	#	100
52) Tetrachloroethene	8.234	164	129484	9.026	ppbv		100
53) Toluene	6.943	91	443400	9.407	ppbv		100
54) 1,2-Dibromoethane	7.661	107	209330	9.345	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.933	131	176135	9.196	ppbv		100
57) Chlorobenzene	8.930	112	325303	9.237	ppbv		100
58) Ethyl Benzene	9.364	91	605785	9.268	ppbv		100
59) m/p-Xylene	9.542	91	950548m	18.524	ppbv		
60) o-Xylene	9.972	91	469073	9.102	ppbv		100
61) Styrene	9.879	104	226056	9.362	ppbv		100
62) Isopropylbenzene	10.549	105	685983	9.108	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	249621	8.870	ppbv		100
64) n-propylbenzene	10.995	120	175986	9.158	ppbv		100
65) tert-Butylbenzene	11.539	119	594314	8.951	ppbv		100
66) Benzyl Chloride	11.620	91	84156	9.985	ppbv		100
67) sec-Butylbenzene	11.772	105	833378	8.943	ppbv		100
69) p-Isopropyltoluene	11.931	119	705700	8.820	ppbv		100
70) n-Butylbenzene	12.287	91	713713	8.995	ppbv		100
71) 2-Chlorotoluene	10.908	91	525235	8.981	ppbv		100
72) 4-Ethyltoluene	11.131	105	578931	9.267	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	478784	9.012	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	516253	8.853	ppbv		100
75) 1,3-Dichlorobenzene	11.613	146	307640	9.280	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	308542	9.203	ppbv		100
77) 1,2-Dichlorobenzene	11.953	146	289119	8.907	ppbv		100
78) Hexachloro-1,3-Butadiene	13.885	225	211996	7.968	ppbv		100
79) Naphthalene	13.516	128	487174	9.335	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	176880	9.000	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	244998	9.220	ppbv		100

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

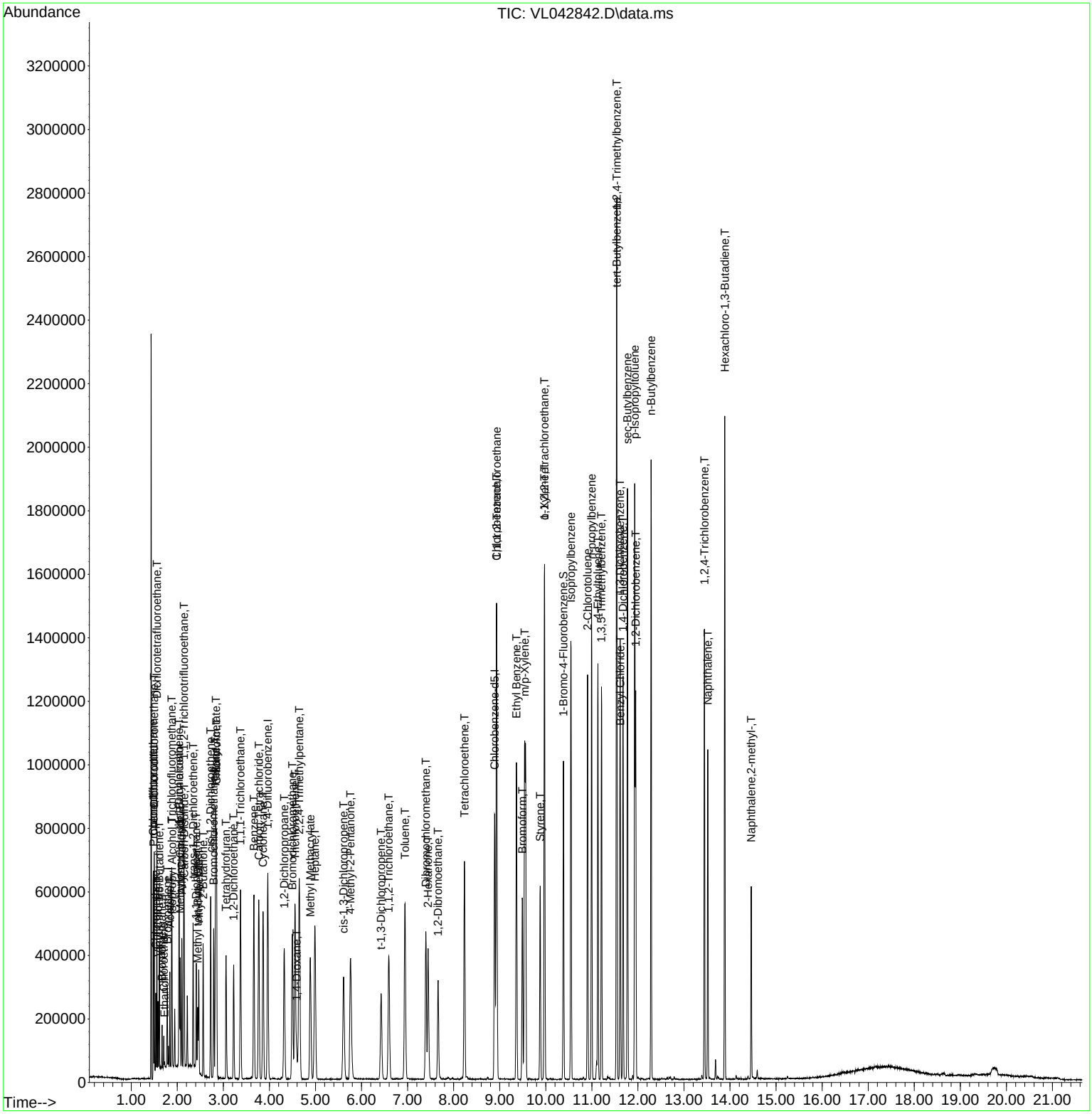
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

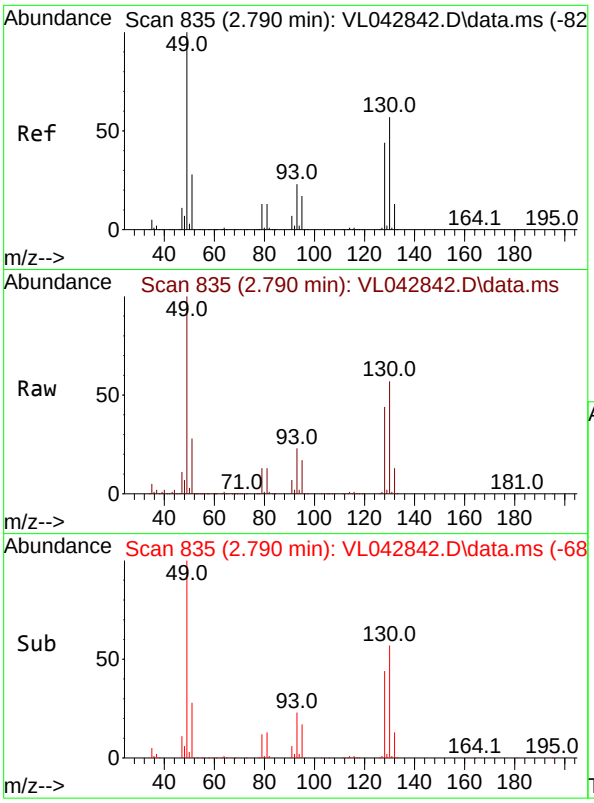
Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

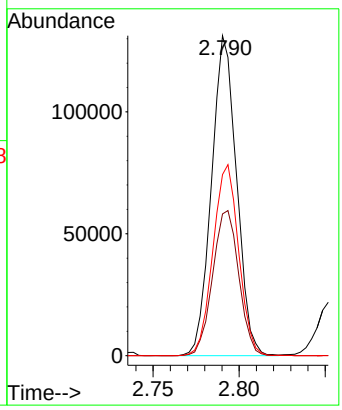




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 49 Resp: 13310

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.7	71.1
130	61.1	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
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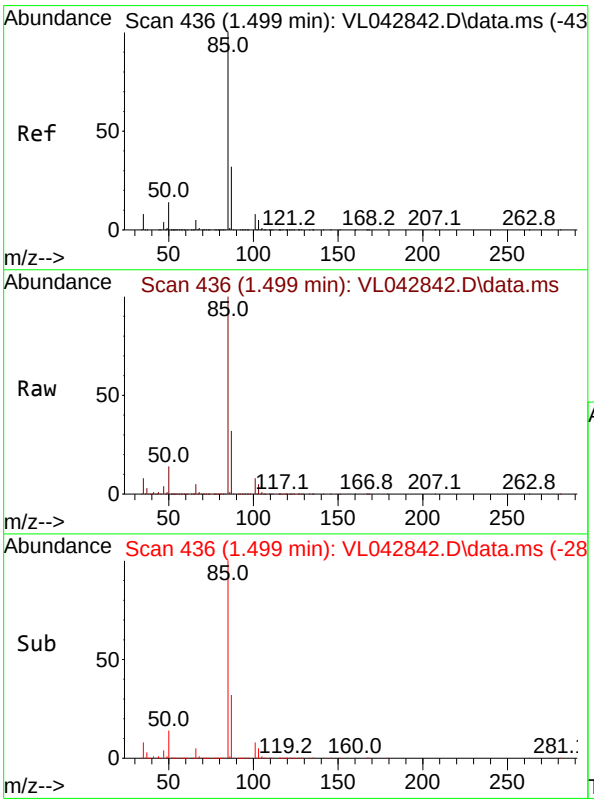
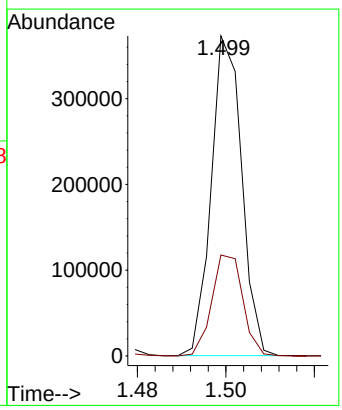
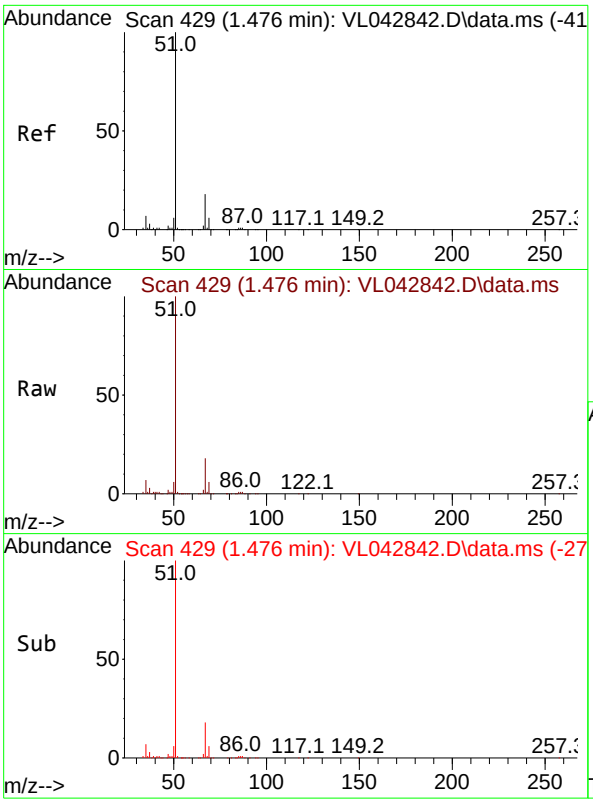


#2
Dichlorodifluoromethane
Concen: 9.166 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 178799

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9

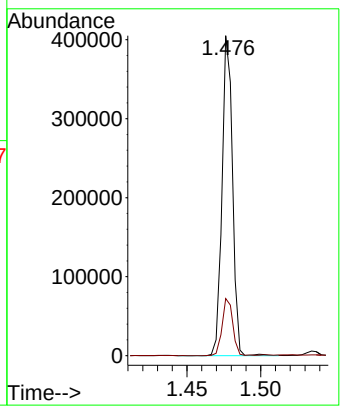




#3
Chlorodifluoromethane
Concen: 9.306 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 51 Resp: 20086

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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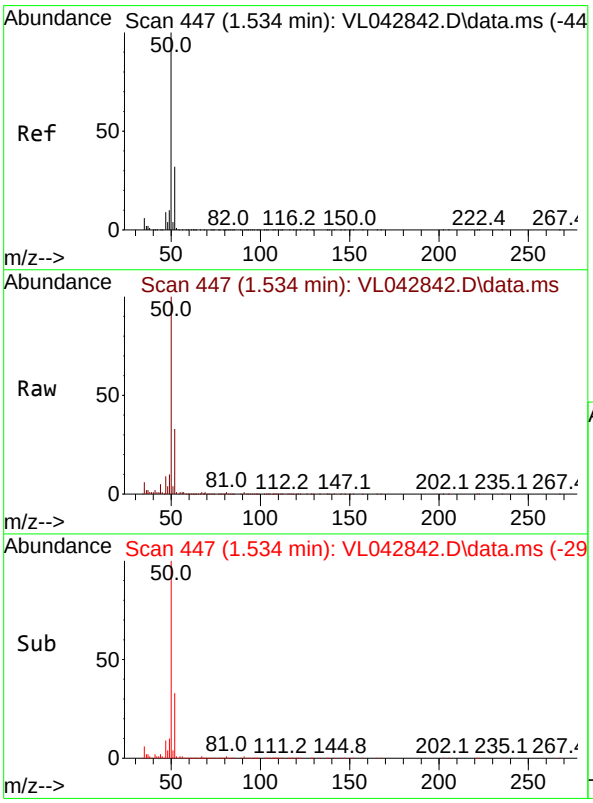
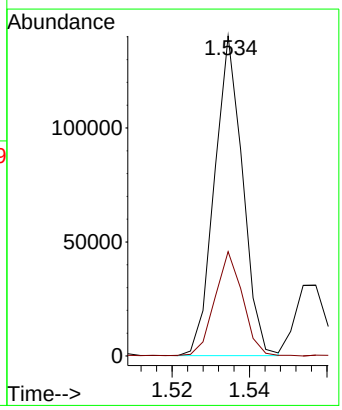
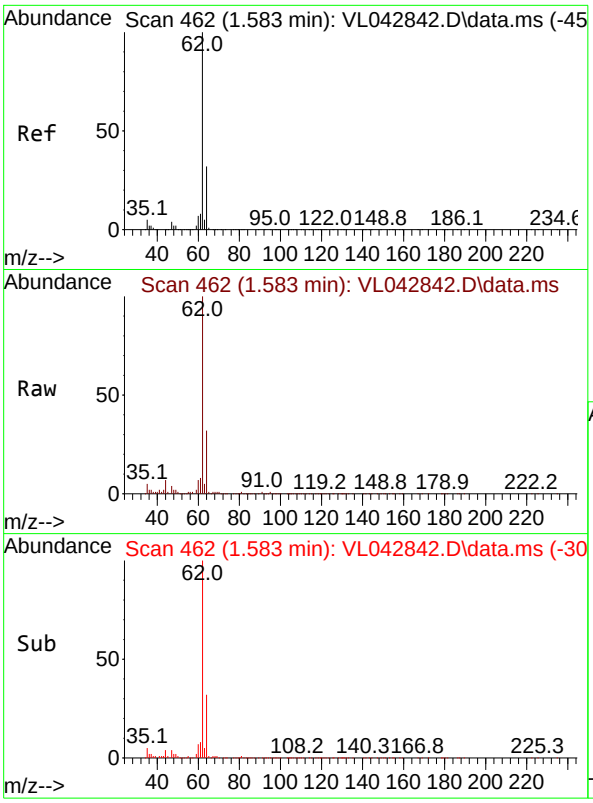


#4
Chloromethane
Concen: 9.013 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 50 Resp: 70952

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9





#5
Vinyl Chloride
Concen: 8.612 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 62 Resp: 6676

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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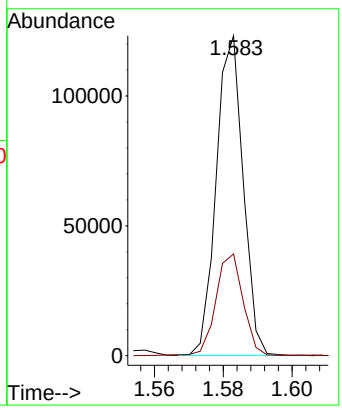
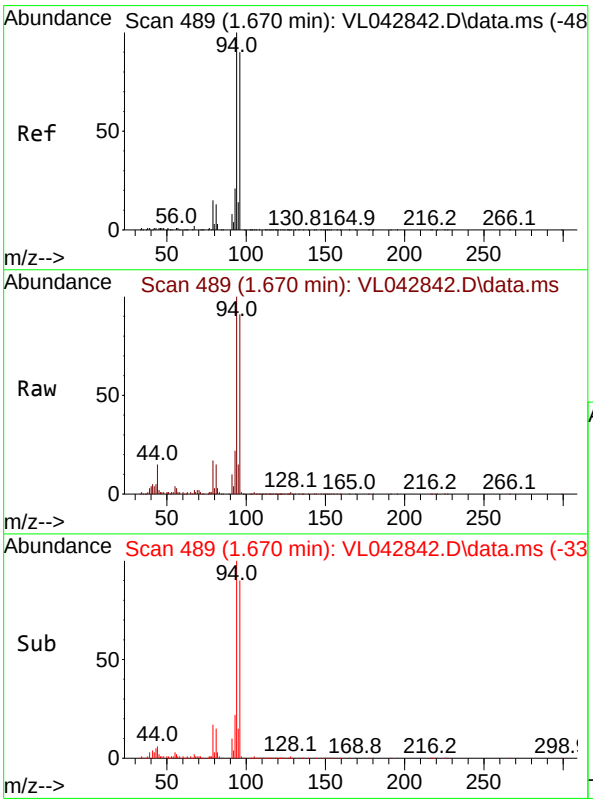
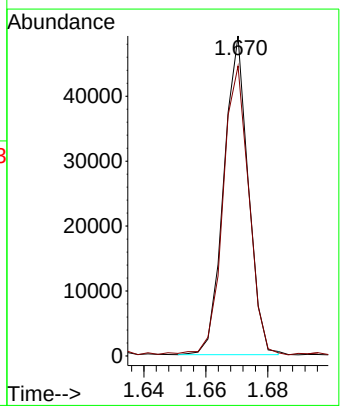


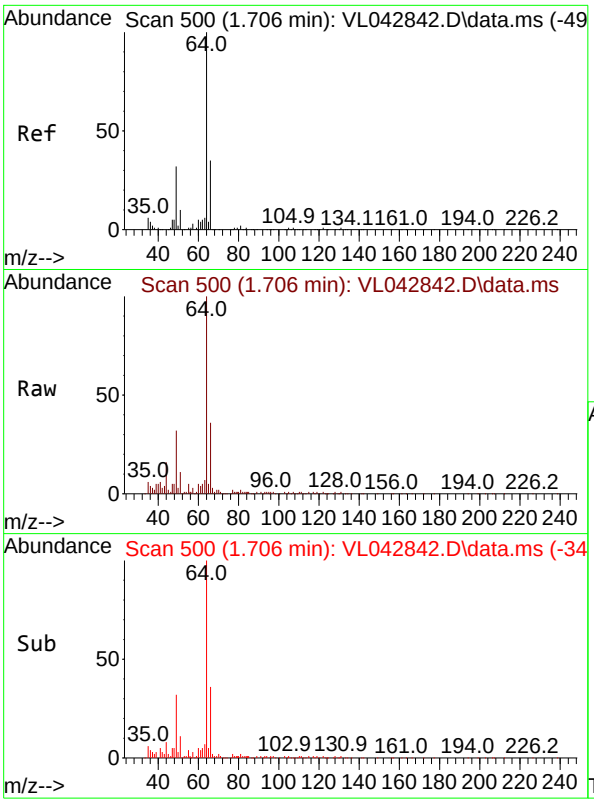


#6
Bromomethane
Concen: 8.698 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 94 Resp: 26964

Ion	Ratio	Lower	Upper
94	100		
96	90.1	72.1	108.1

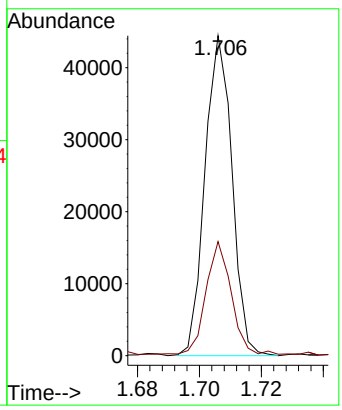




#7
Chloroethane
Concen: 8.879 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 64 Resp: 2688

Ion	Ratio	Lower	Upper
64	100		
66	35.7	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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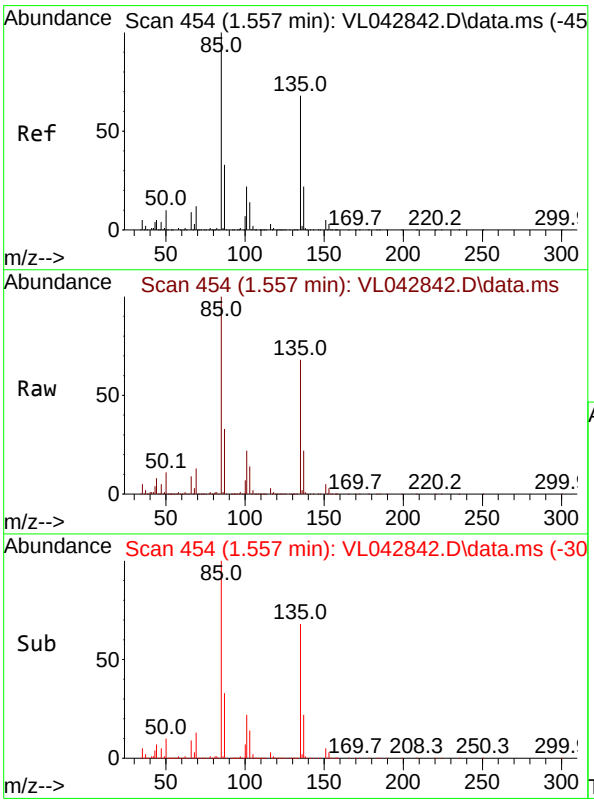
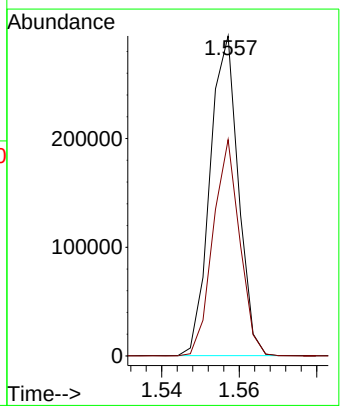
Supervised By :Mahesh Dadoda 08/18/2025

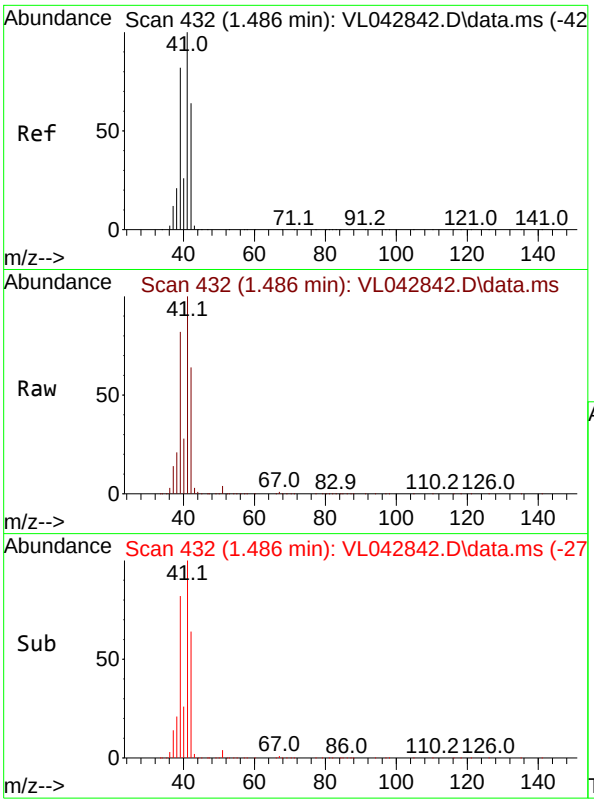


#8
Dichlorotetrafluoroethane
Concen: 9.355 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 149341

Ion	Ratio	Lower	Upper
85	100		
135	64.0	51.2	76.8

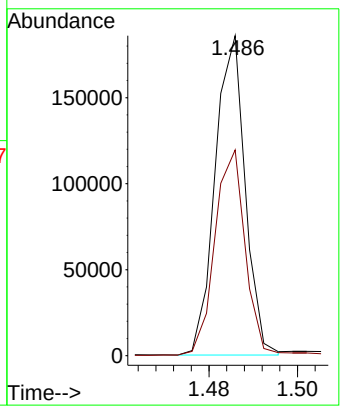




#9
Propene
Concen: 9.380 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 41 Resp: 8735

Ion	Ratio	Lower	Upper
41	100		
42	66.2	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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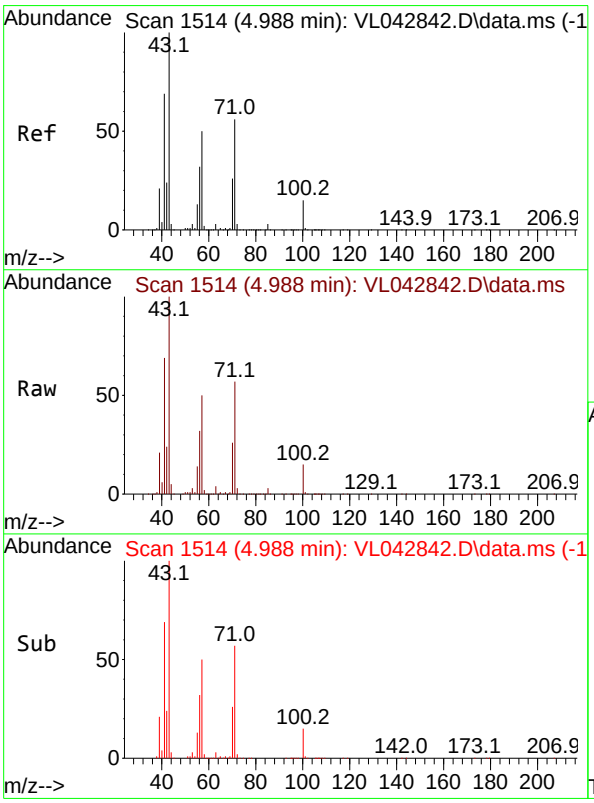
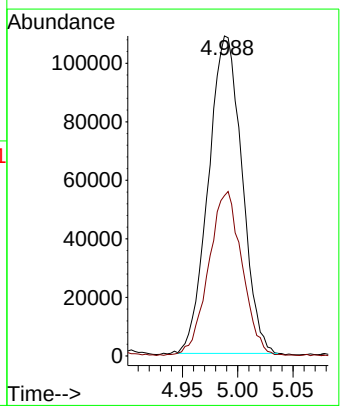
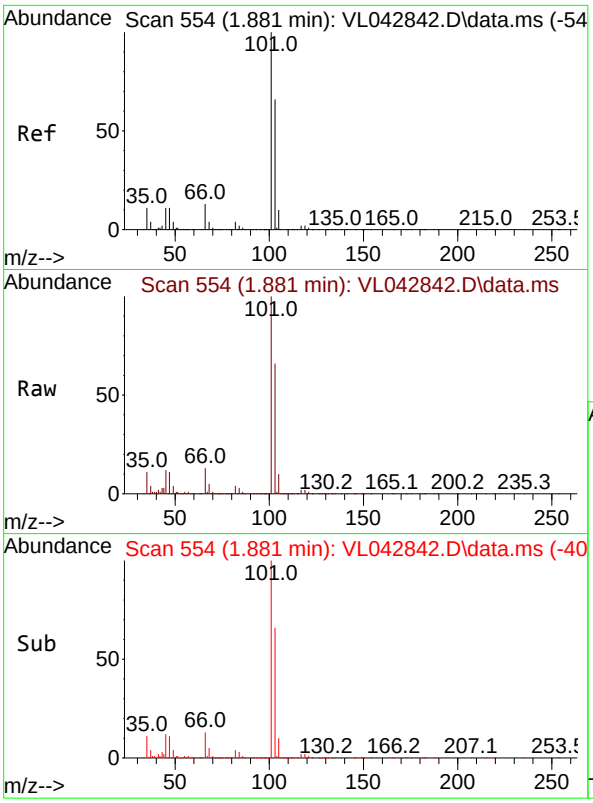


#10
Heptane
Concen: 9.186 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 228679

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.4	62.0

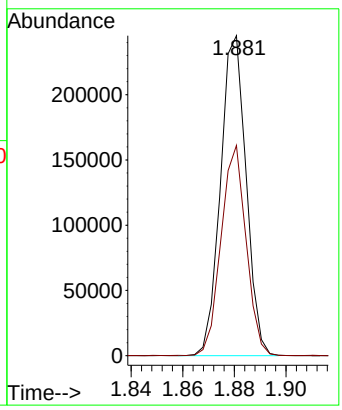




#11
Trichlorofluoromethane
Concen: 8.789 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:101 Resp: 16915

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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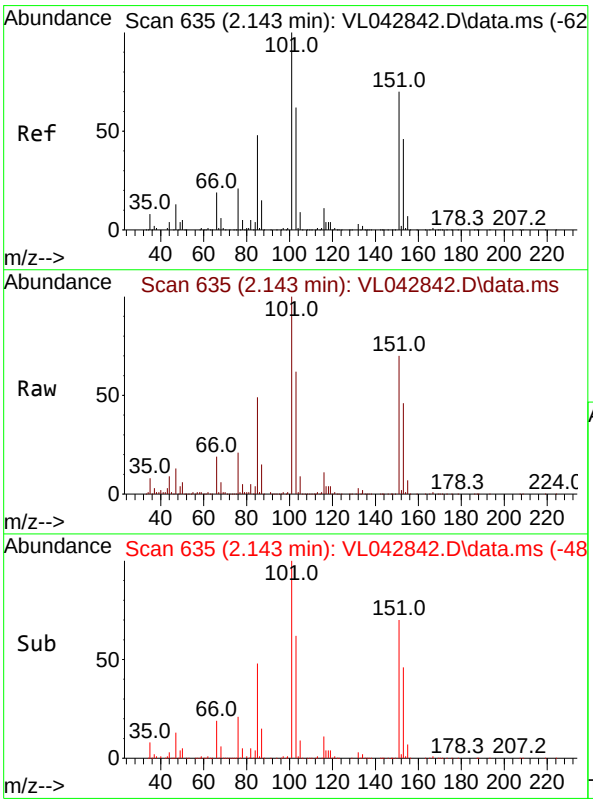
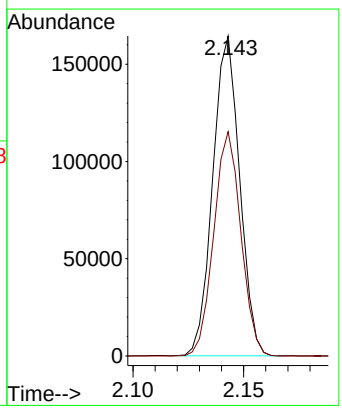
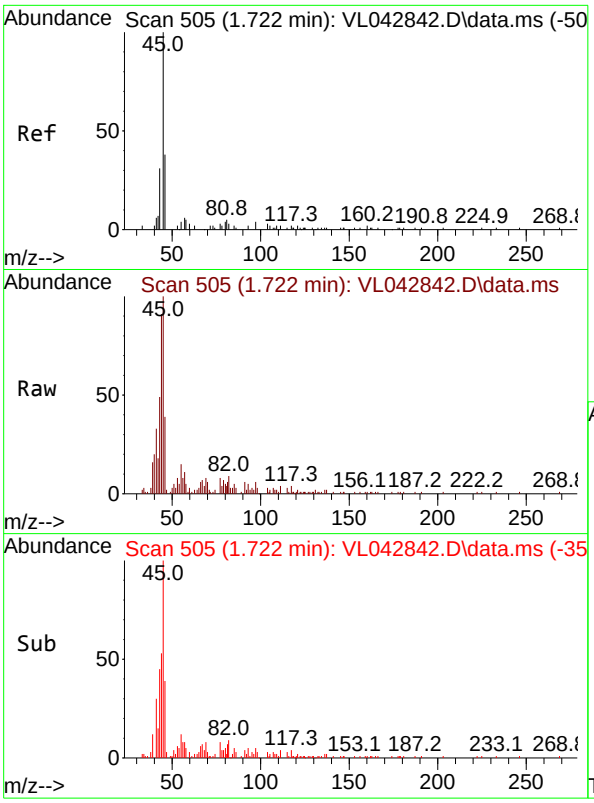


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.083 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:101 Resp: 139340

Ion	Ratio	Lower	Upper
101	100		
151	70.5	56.4	84.6

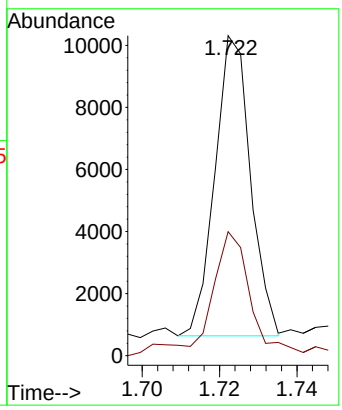




#13
Ethanol
Concen: 6.690 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 45 Resp: 617

Ion	Ratio	Lower	Upper
45	100		
46	43.7	17.5	69.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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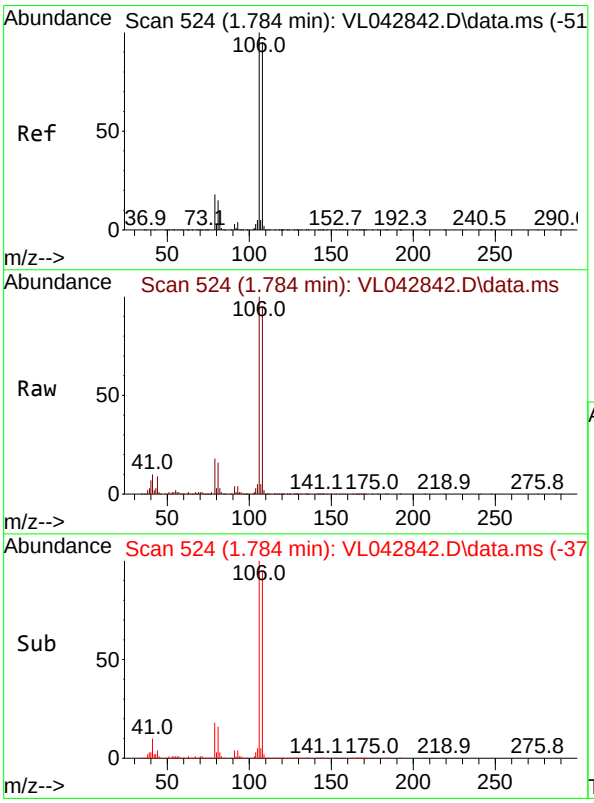
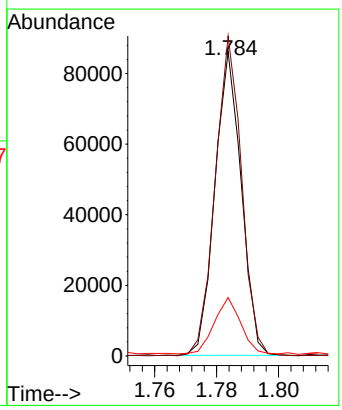
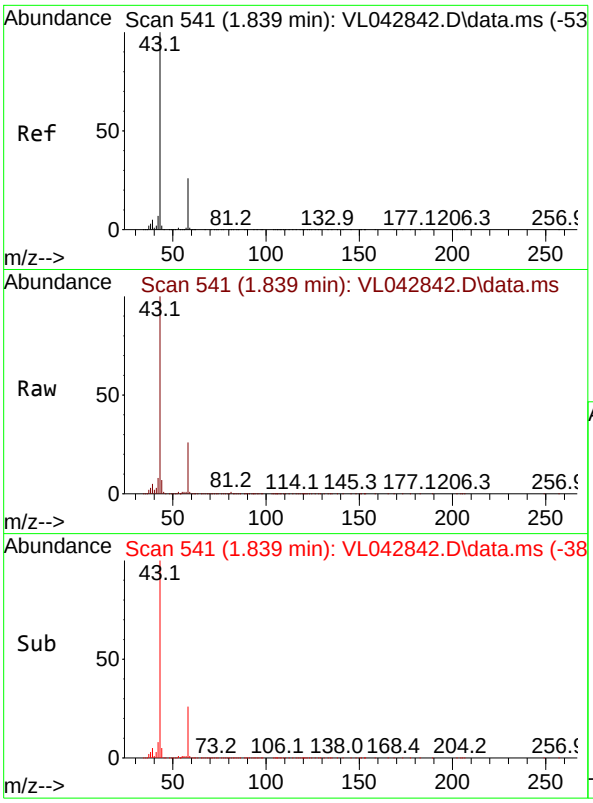


#14
Bromoethene
Concen: 9.135 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:108 Resp: 50730

Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.1	127.7
79	20.4	16.3	24.5

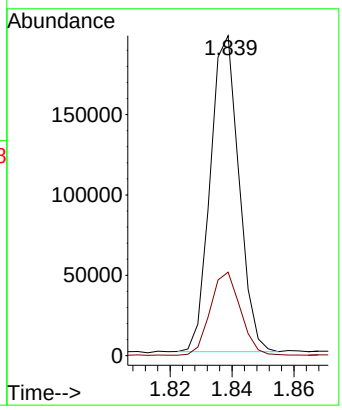




#15
Acetone
Concen: 7.180 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 12641

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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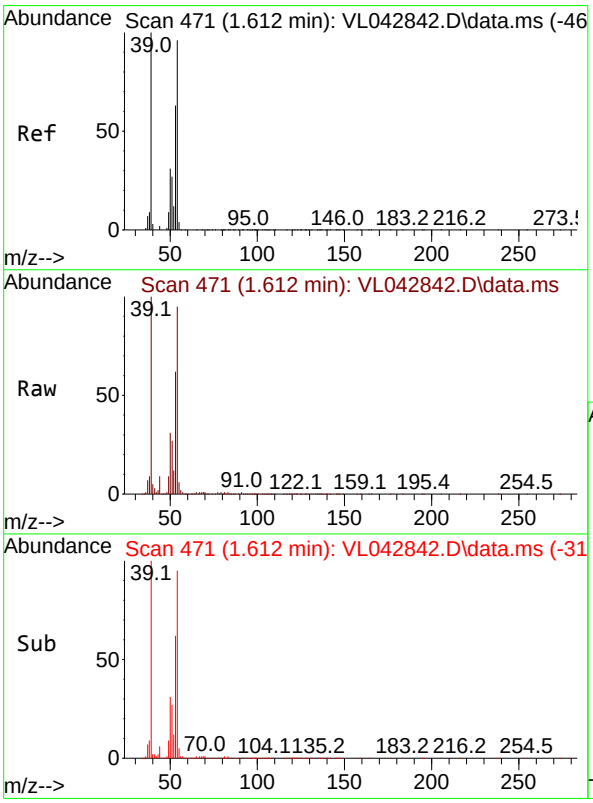
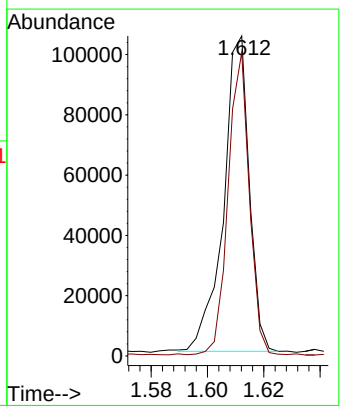
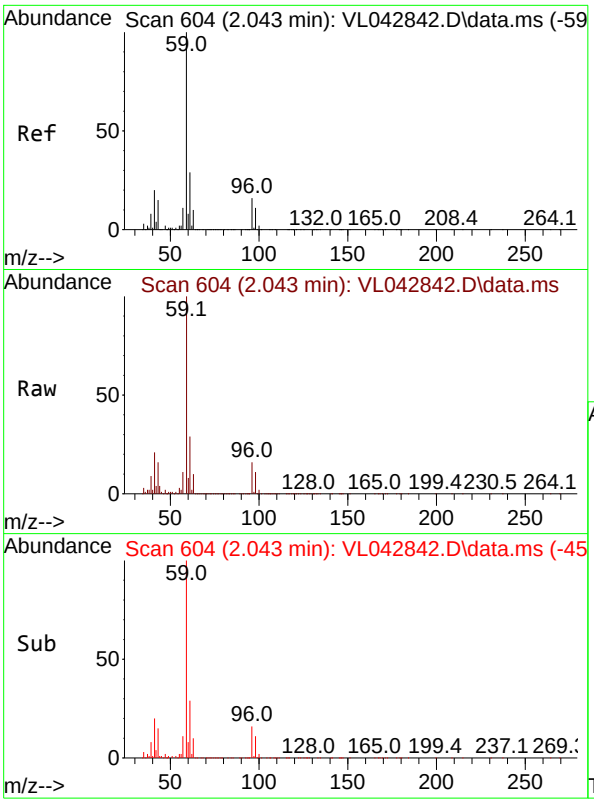


#16
1,3-Butadiene
Concen: 8.343 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 39 Resp: 66595

Ion	Ratio	Lower	Upper
39	100		
54	79.5	63.6	95.4

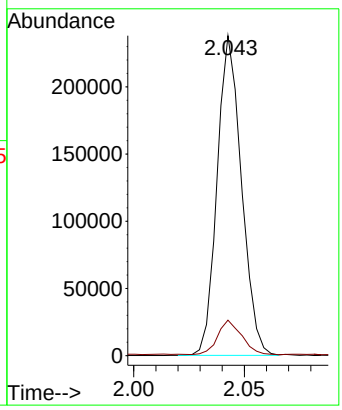




#17
tert-Butyl alcohol
Concen: 8.741 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 59 Resp: 18251

Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4



Instrument :
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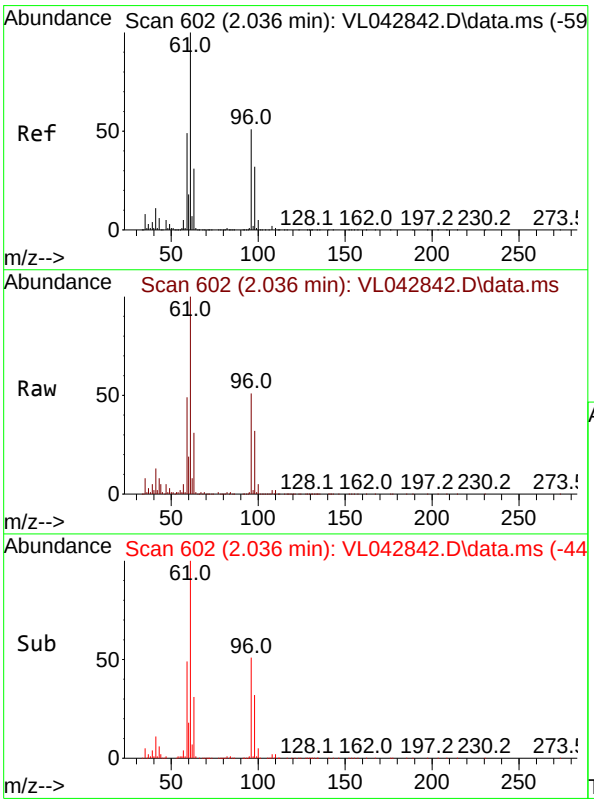
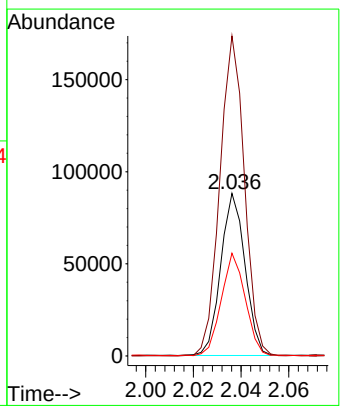
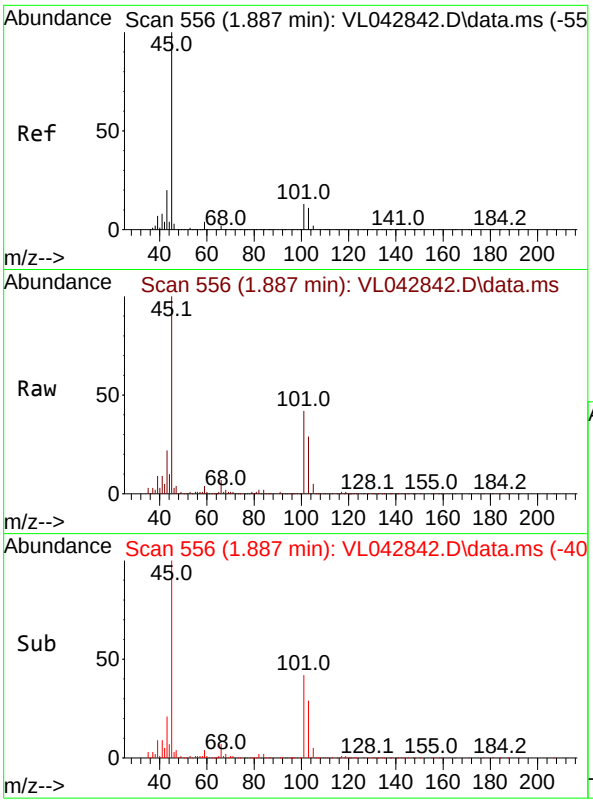


#18
1,1-Dichloroethene
Concen: 9.252 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 96 Resp: 62397

Ion	Ratio	Lower	Upper
96	100		
61	197.8	158.2	237.4
98	63.3	50.6	76.0

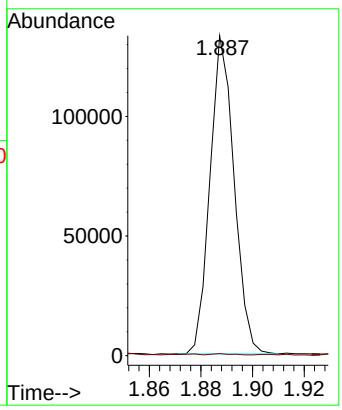




#19
Isopropyl Alcohol
Concen: 8.213 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 45 Resp: 8636

Ion	Ratio	Lower	Upper
45	100		
58	40.9	32.7	49.1



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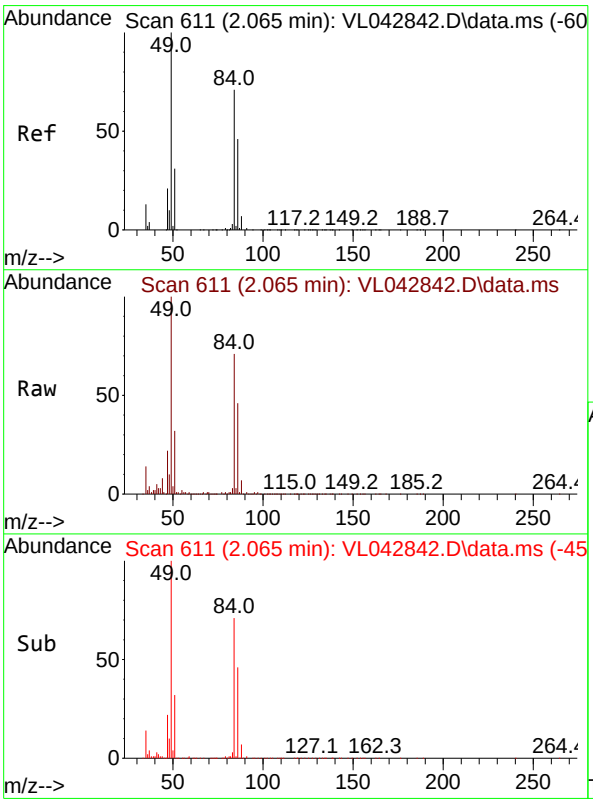
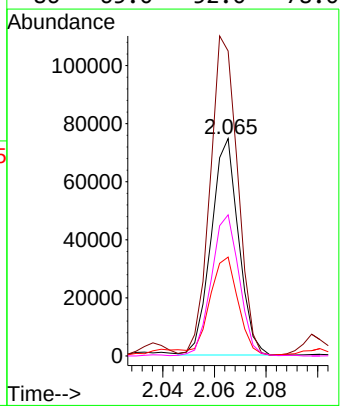
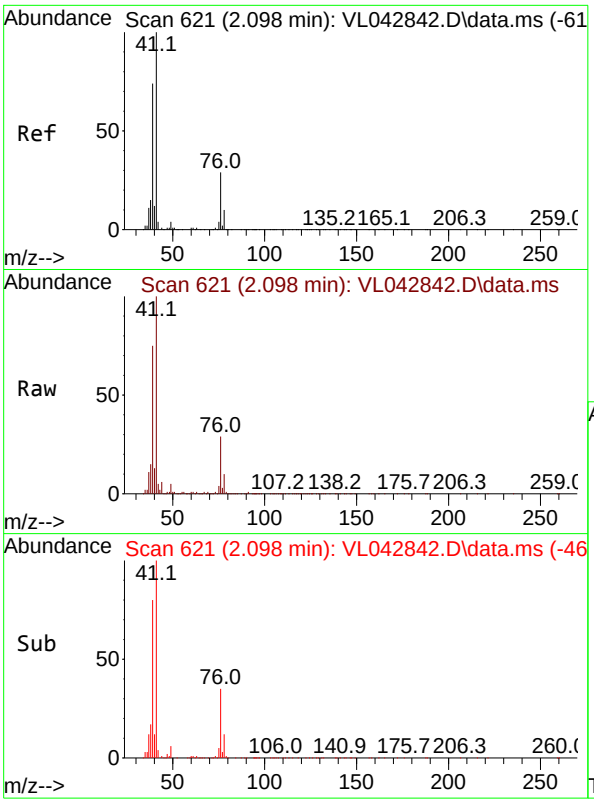


#20
Methylene Chloride
Concen: 7.471 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 55107

Ion	Ratio	Lower	Upper
84	100		
49	140.4	112.3	168.5
51	45.0	36.0	54.0
86	65.0	52.0	78.0

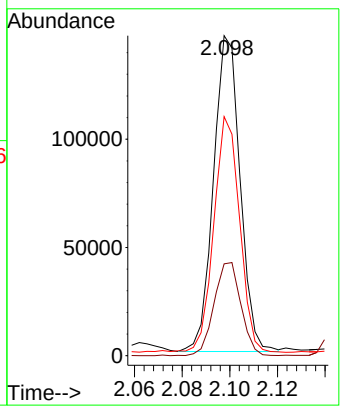




#21
Allyl Chloride
Concen: 9.093 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 41 Resp: 11310

Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.9	35.9
39	72.2	57.8	86.6



Instrument :
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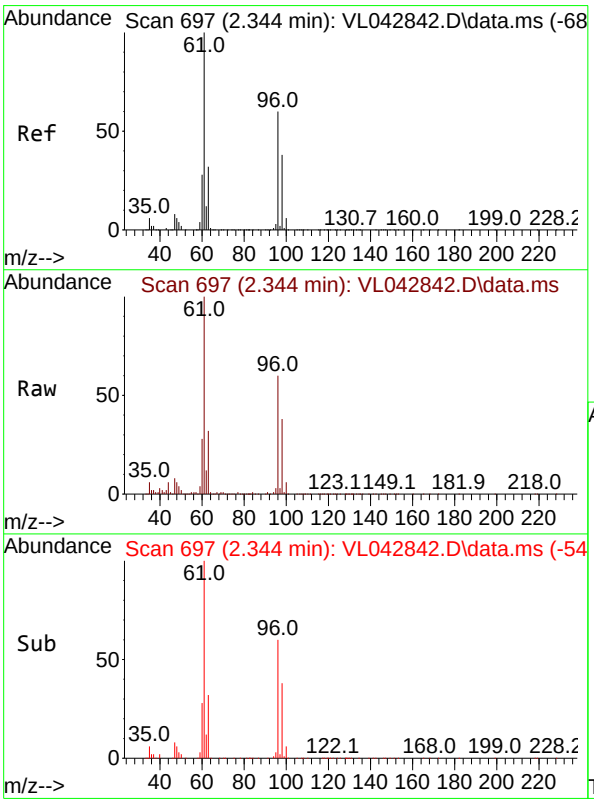
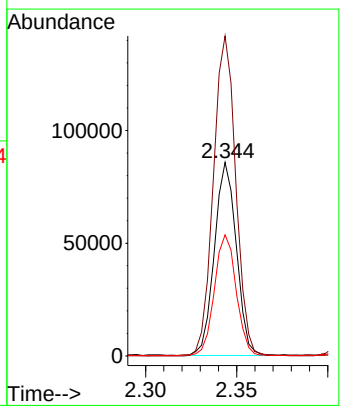
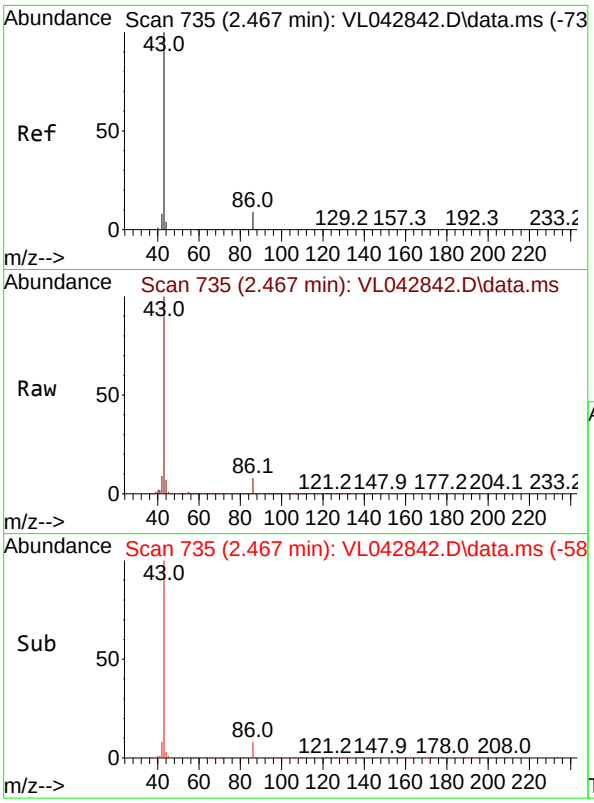


#22
trans-1,2-Dichloroethene
Concen: 9.482 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 96 Resp: 71518

Ion	Ratio	Lower	Upper
96	100		
61	165.8	132.6	199.0
98	62.5	50.0	75.0

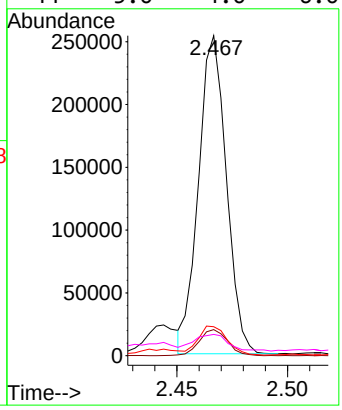




#23
Vinyl Acetate
Concen: 9.558 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 22139

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.8	7.0	10.6
44	5.0	4.0	6.0



Instrument :
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ClientSampleId :
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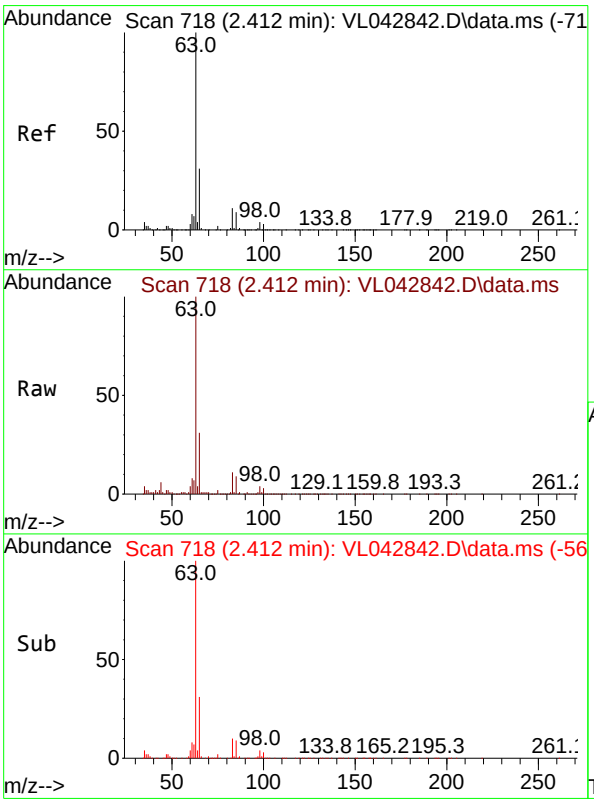
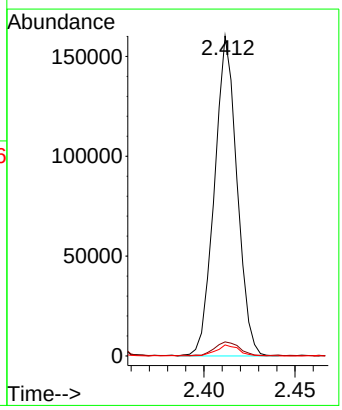
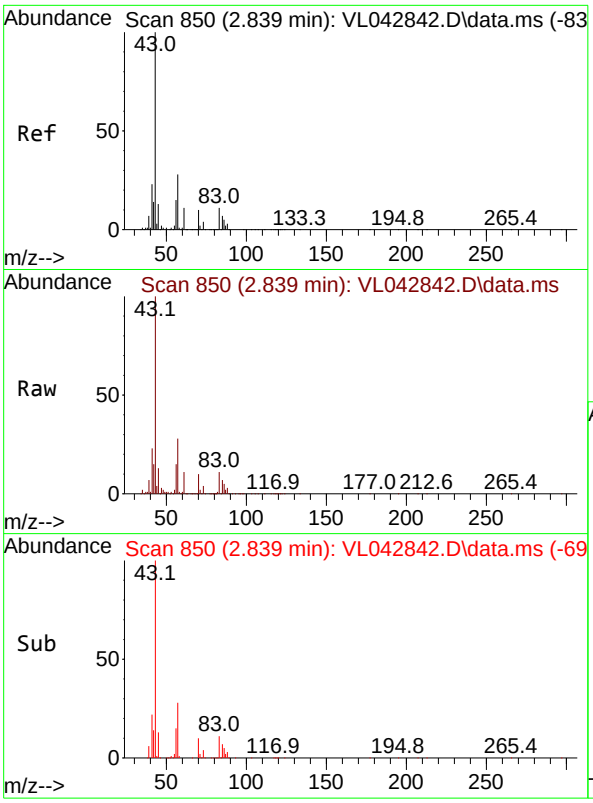


#24
1,1-Dichloroethane
Concen: 8.885 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 63 Resp: 138444

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	3.4	1.7	5.1

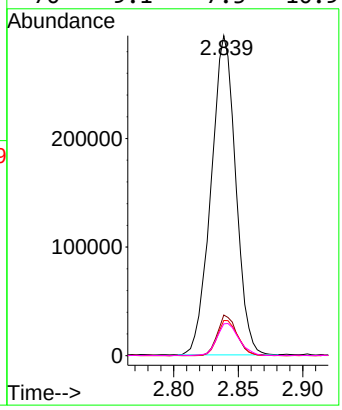




#25
Ethyl Acetate
Concen: 9.159 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 39029

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.3	7.4	11.2
70	9.1	7.3	10.9



Instrument :
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ClientSampleId :
VSTDICCC010

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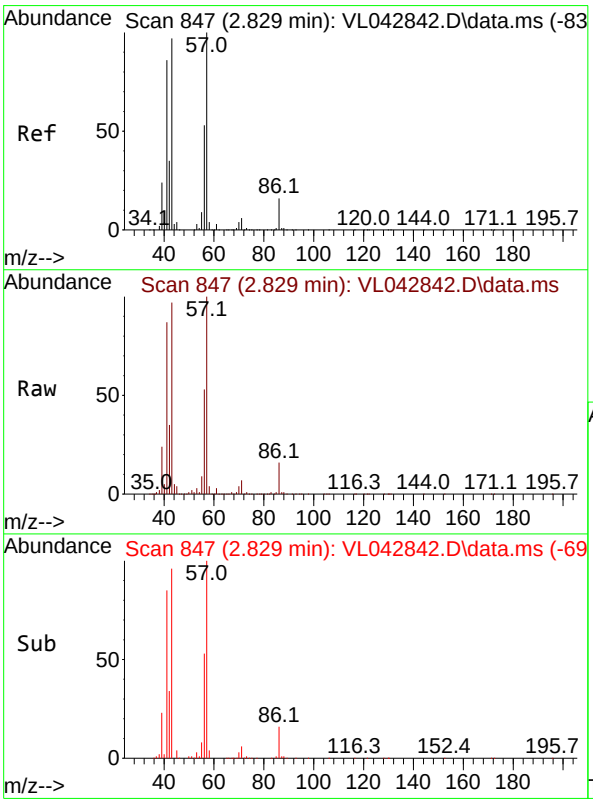
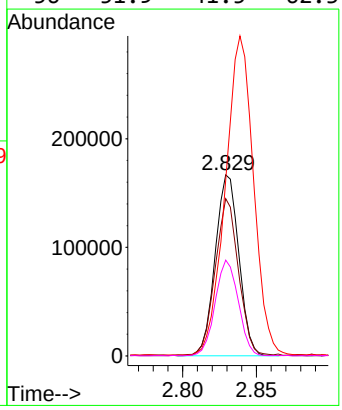
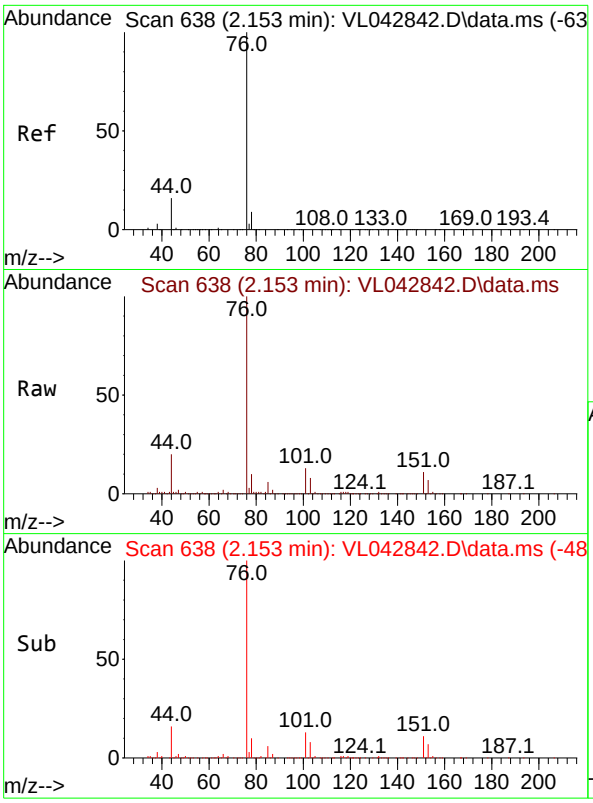


#26
Hexane
Concen: 9.420 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 57 Resp: 185288

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	210.6	168.5	252.7
56	51.9	41.5	62.3

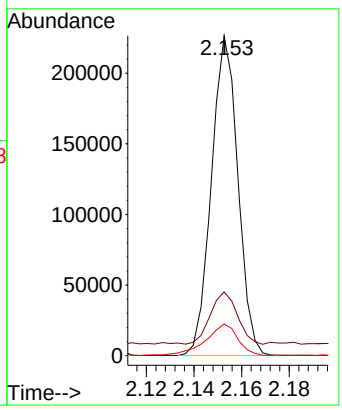




#27
Carbon Disulfide
Concen: 9.138 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 76 Resp: 17492

Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.9	23.9
78	11.9	9.5	14.3



Instrument :
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ClientSampleId :
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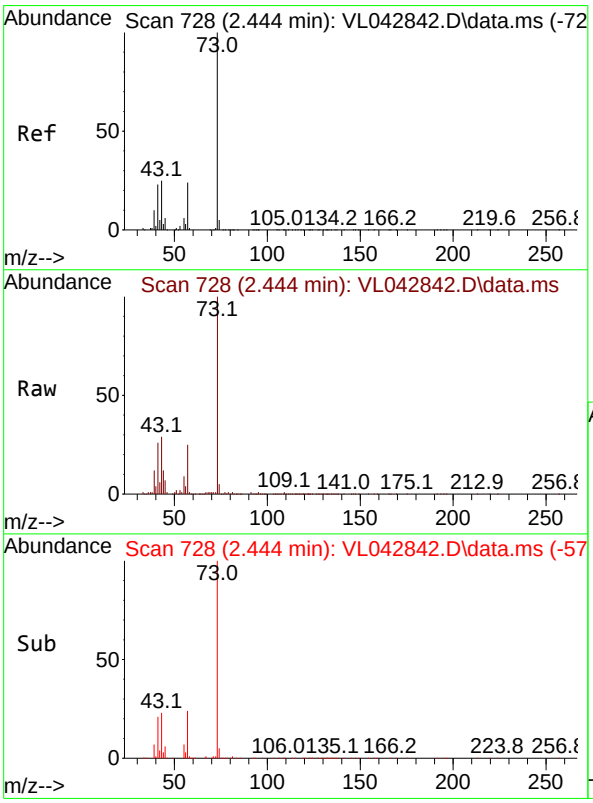
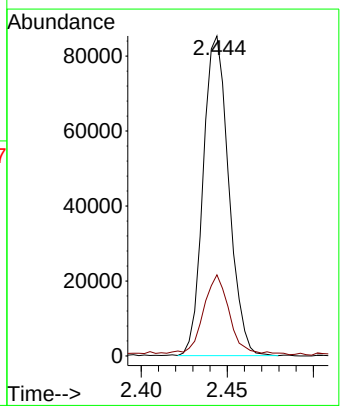
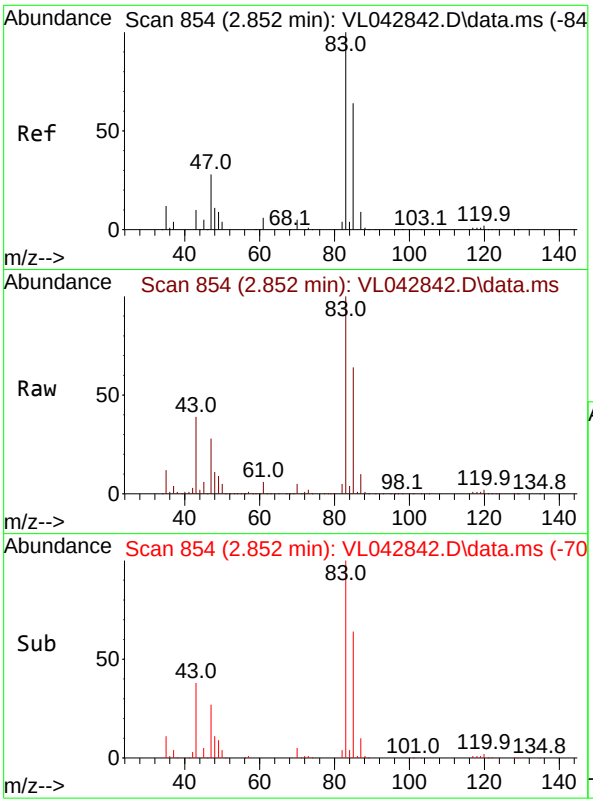


#28
Methyl tert-Butyl Ether
Concen: 8.767 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 73 Resp: 87929

Ion	Ratio	Lower	Upper
73	100		
57	27.0	21.6	32.4





#29
Chloroform
Concen: 9.158 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 83 Resp: 25717

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7

Instrument :
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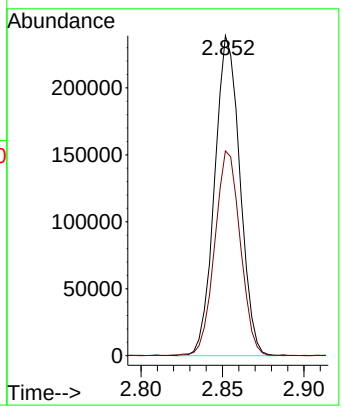
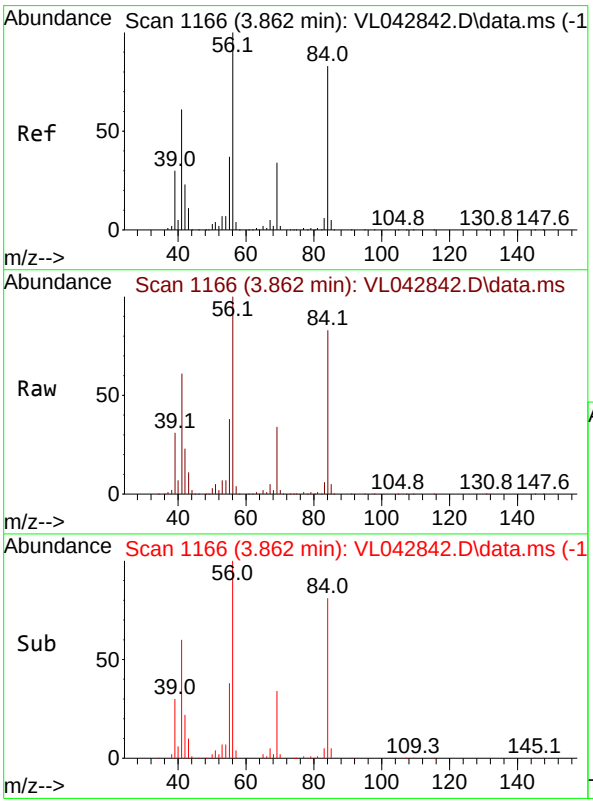
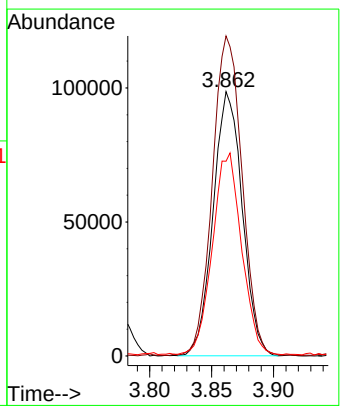


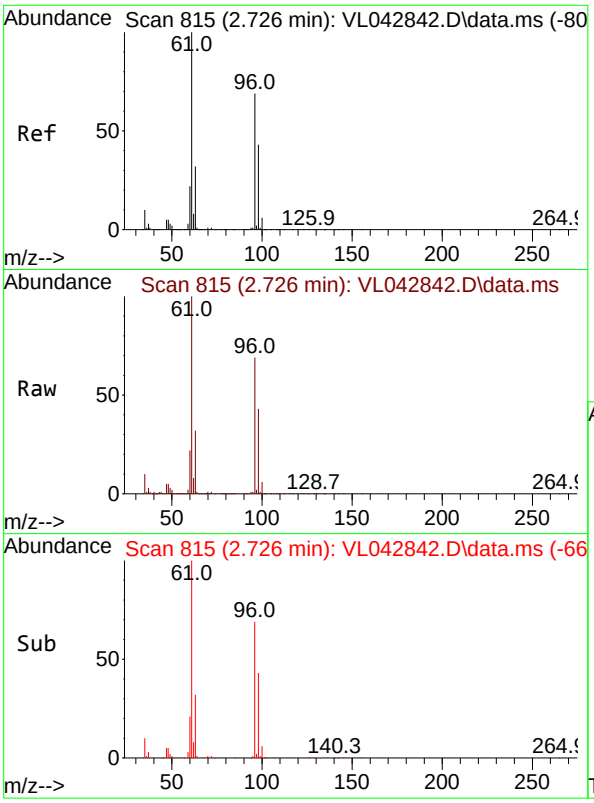


#30
Cyclohexane
Concen: 9.367 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 161540

Ion	Ratio	Lower	Upper
84	100		
56	123.5	98.8	148.2
41	76.6	61.3	91.9

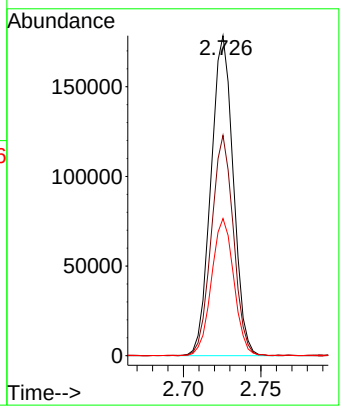




#31
cis-1,2-Dichloroethene
Concen: 9.107 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 61 Resp: 17916

Ion	Ratio	Lower	Upper
61	100		
96	68.8	55.0	82.6
98	42.9	34.3	51.5



Instrument :
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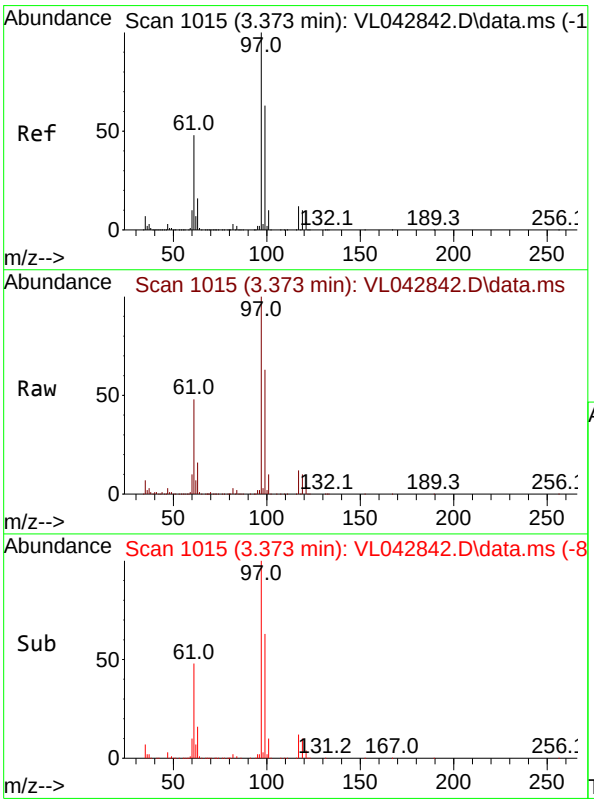
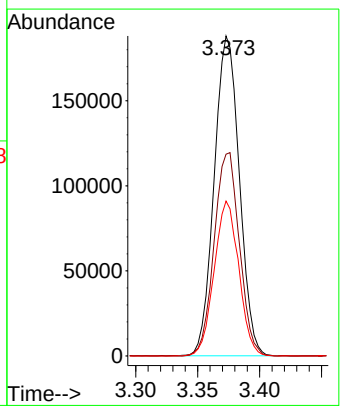
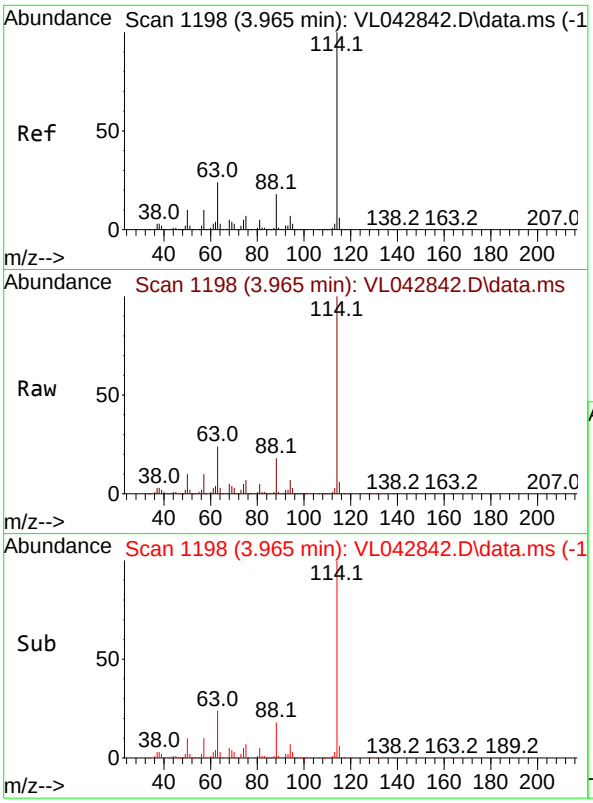


#32
1,1,1-Trichloroethane
Concen: 8.946 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 97 Resp: 266021

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	47.5	38.0	57.0

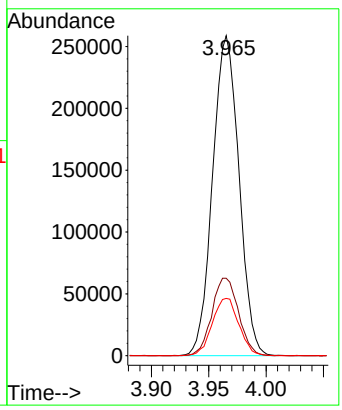




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:114 Resp: 41363

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.0	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
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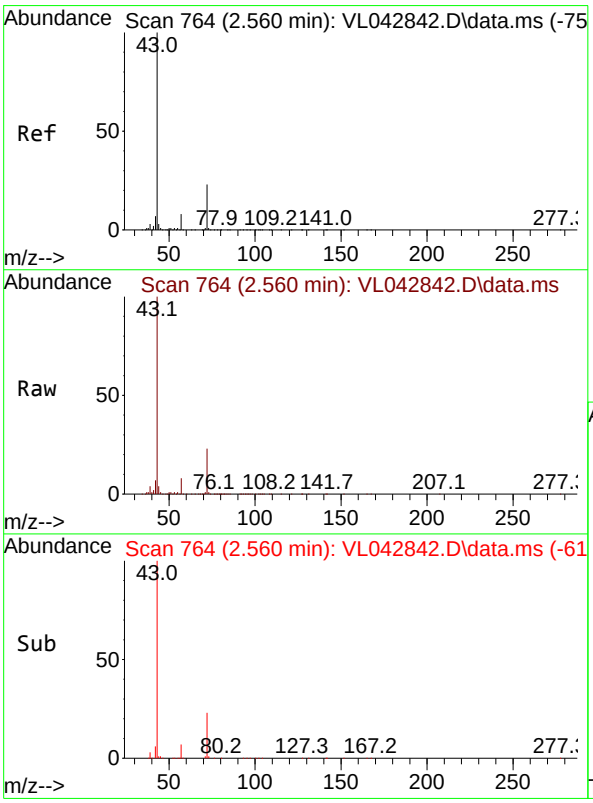
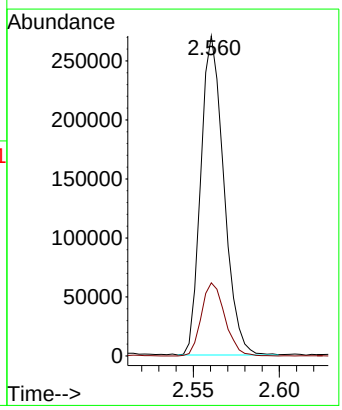
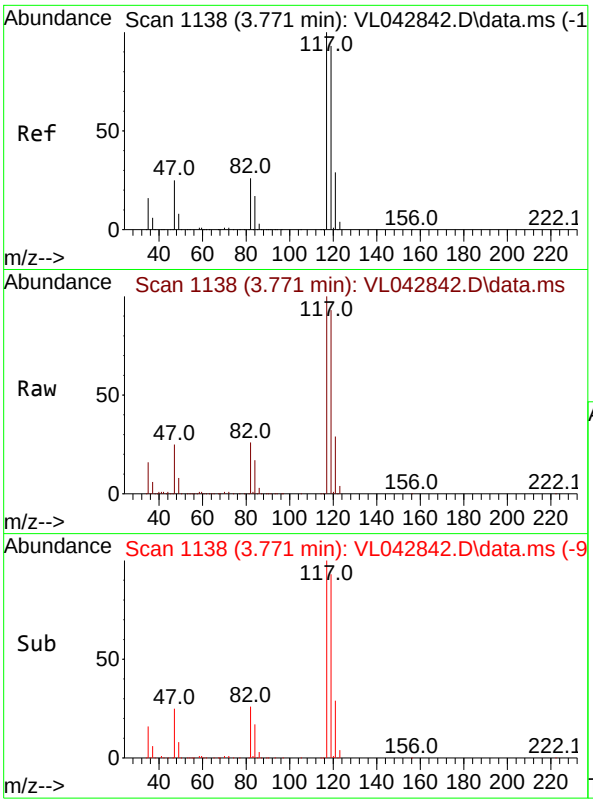


#34
2-Butanone
Concen: 9.033 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 252300

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

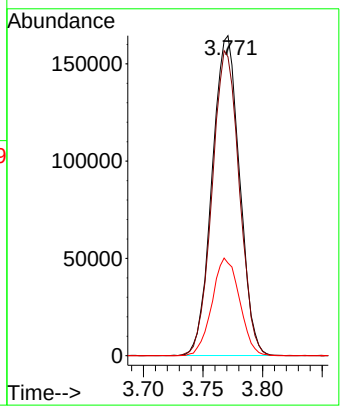




#35
Carbon Tetrachloride
Concen: 9.222 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:117 Resp: 26298

Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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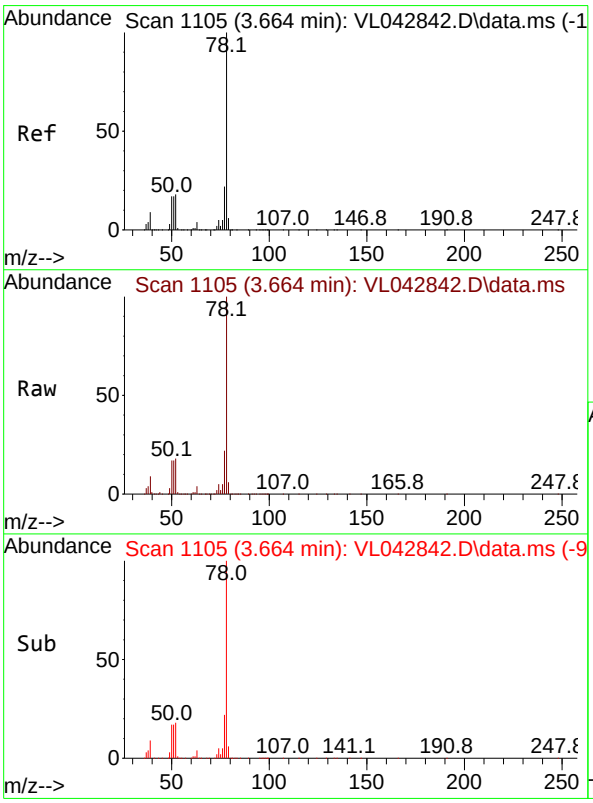
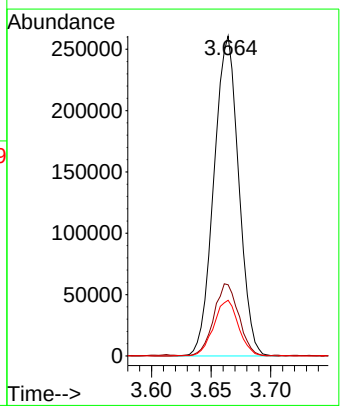
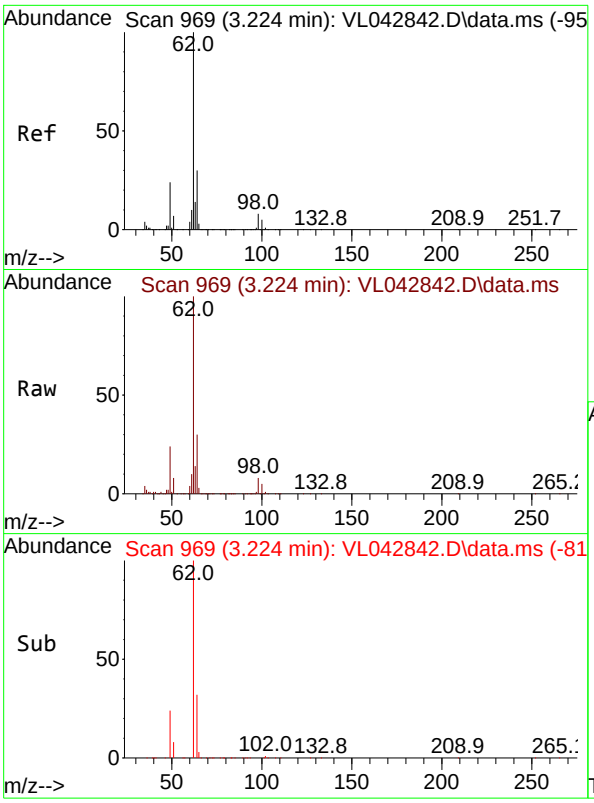


#36
Benzene
Concen: 9.521 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 78 Resp: 377113

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.7	26.5
50	17.4	13.9	20.9

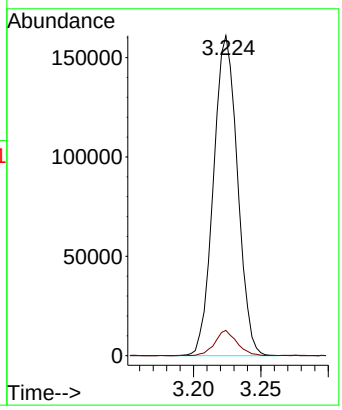




#37
1,2-Dichloroethane
Concen: 9.653 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 62 Resp: 19976

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.9	8.9



Instrument :
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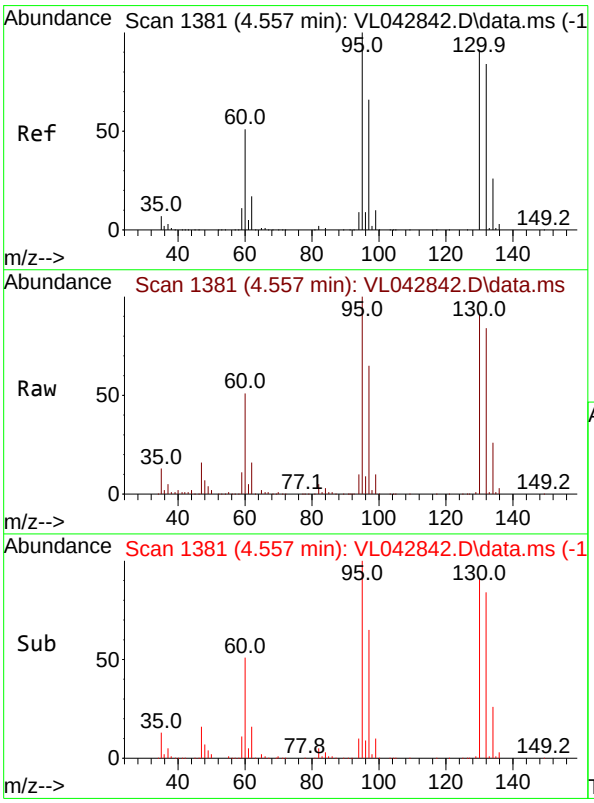
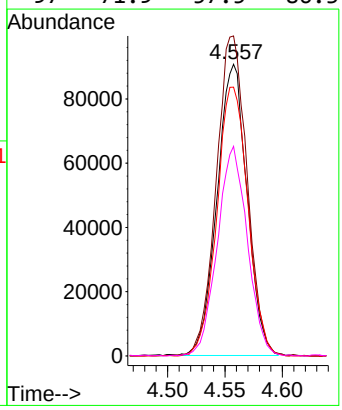
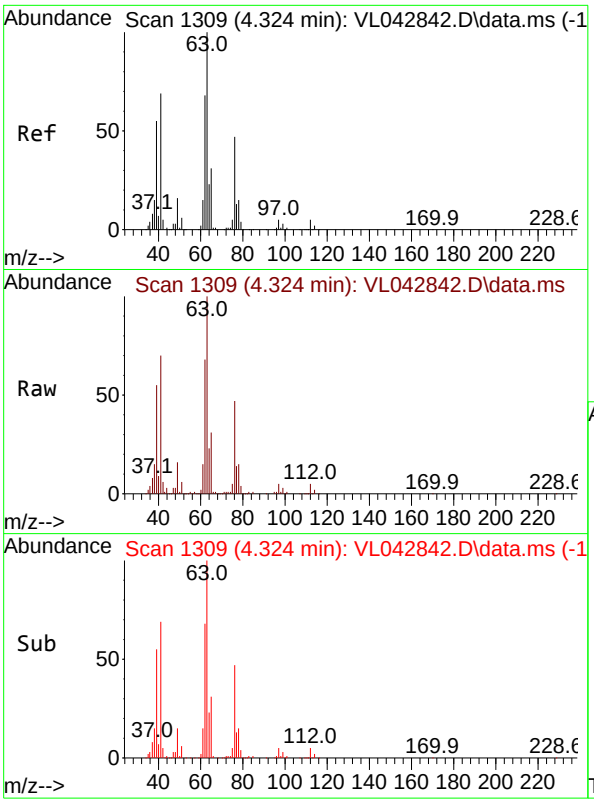


#38
Trichloroethene
Concen: 9.115 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:130 Resp: 164881

Ion	Ratio	Lower	Upper
130	100		
95	109.5	87.6	131.4
132	92.3	73.8	110.8
97	71.9	57.5	86.3

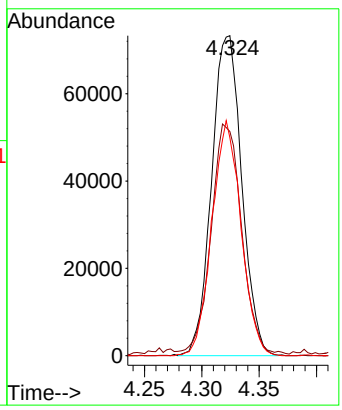




#39
1,2-Dichloropropane
Concen: 9.263 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 63 Resp: 13399

Ion	Ratio	Lower	Upper
63	100		
41	68.7	55.0	82.4
62	68.0	54.4	81.6



Instrument :
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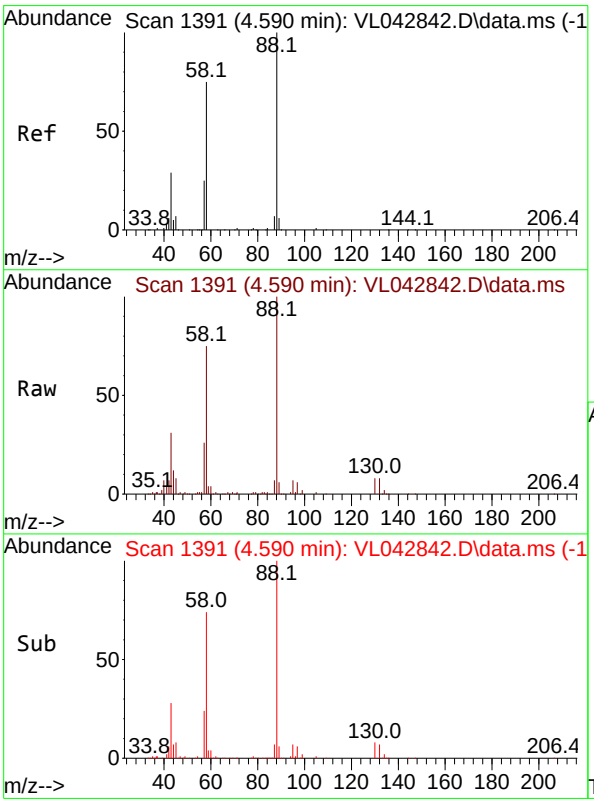
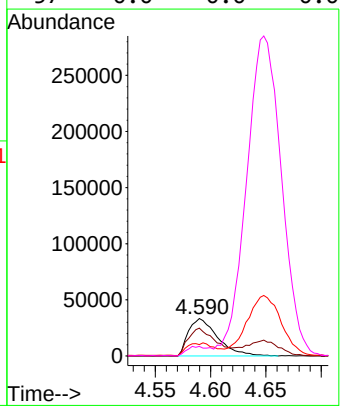
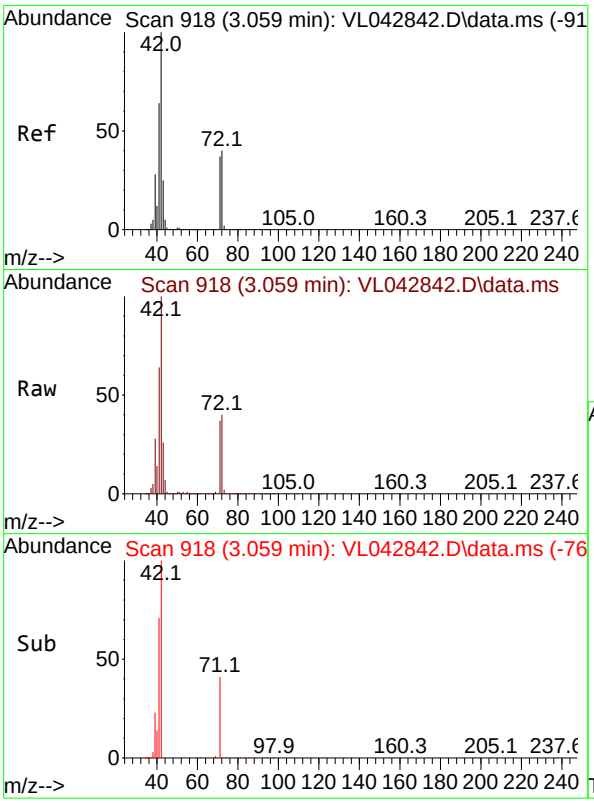


#40
1,4-Dioxane
Concen: 9.064 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 88 Resp: 61378

Ion	Ratio	Lower	Upper
88	100		
58	67.2	53.8	80.6
43	28.5	22.8	34.2
57	0.0	0.0	0.0

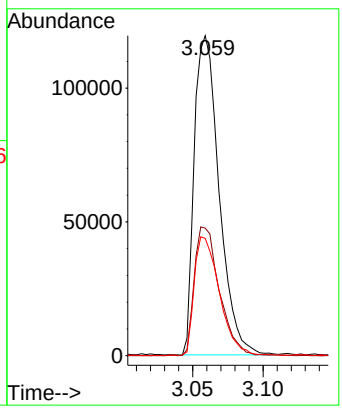




#41
Tetrahydrofuran
Concen: 9.442 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 42 Resp: 14702

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.6	48.8
71	37.5	30.0	45.0



Instrument :
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ClientSampleId :
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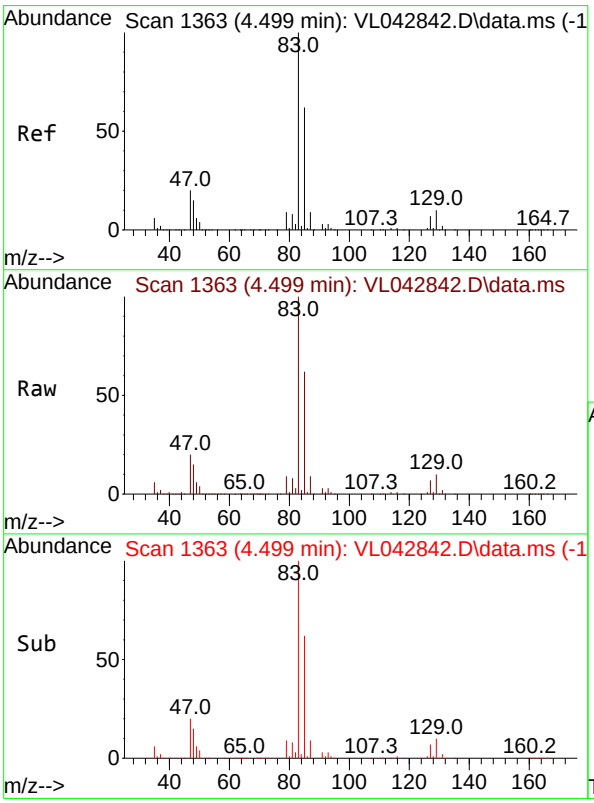
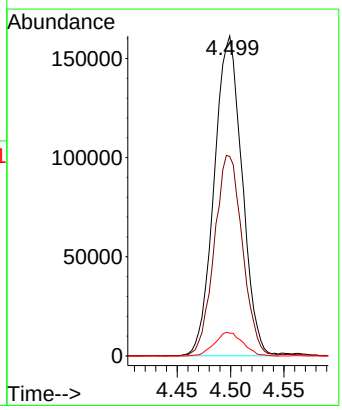
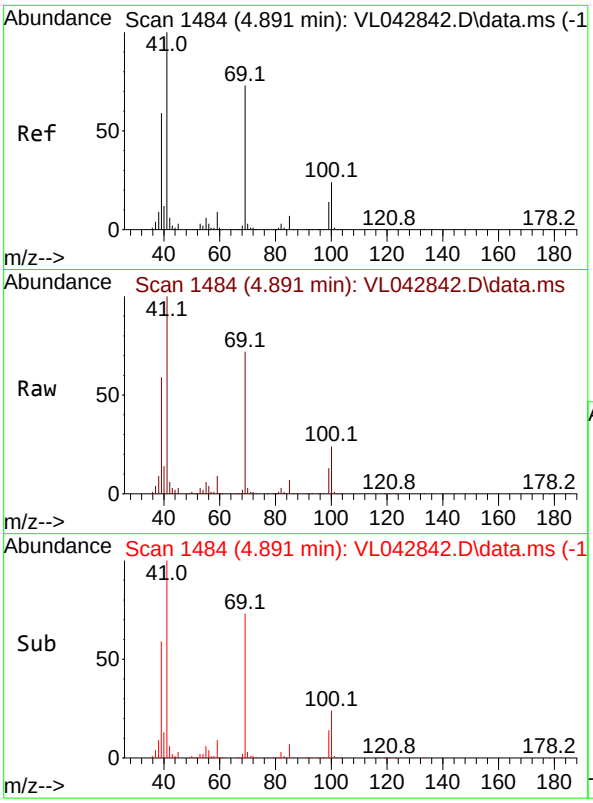


#42
Bromodichloromethane
Concen: 9.499 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 83 Resp: 292909

Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.8	74.8
127	7.2	5.8	8.6

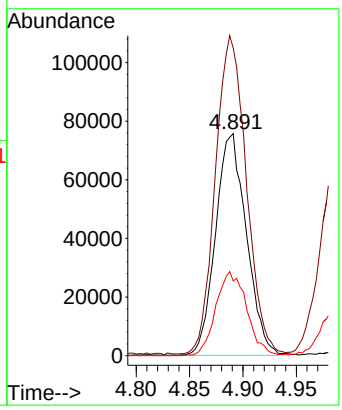




#43
Methyl Methacrylate
Concen: 9.357 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 69 Resp: 15203

Ion	Ratio	Lower	Upper
69	100		
41	143.3	114.6	172.0
100	37.8	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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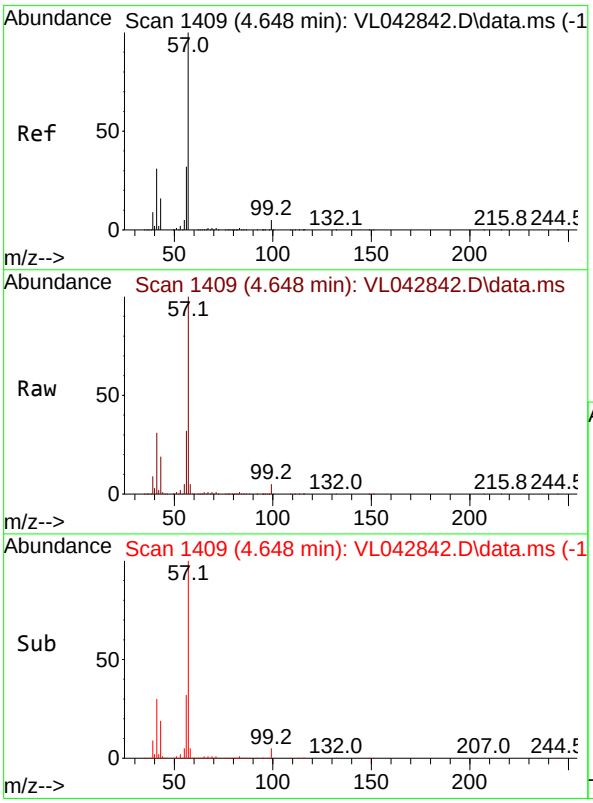
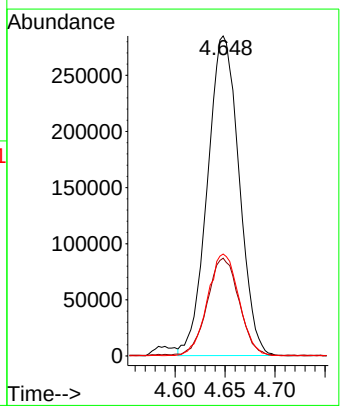
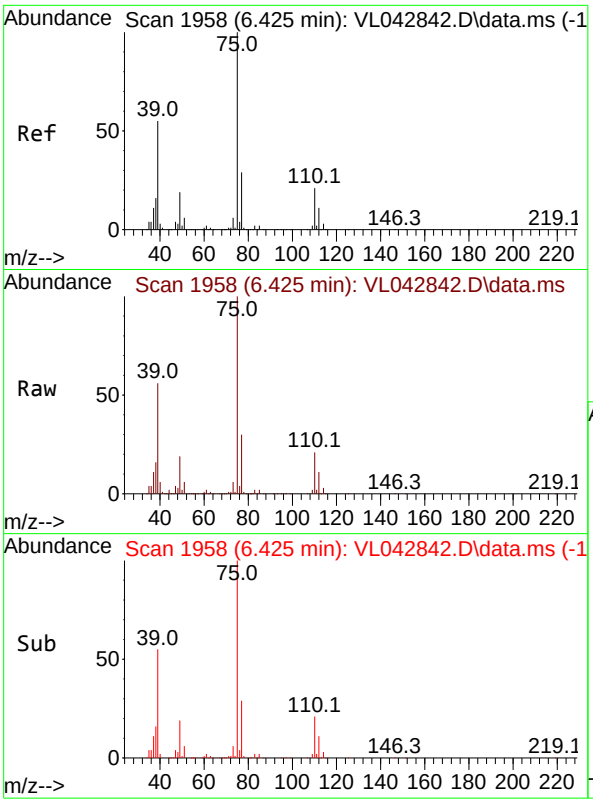


#44
2,2,4-Trimethylpentane
Concen: 9.420 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 57 Resp: 626465

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.8	37.2
56	31.9	25.5	38.3

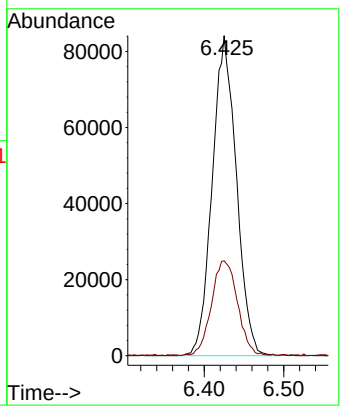




#45
t-1,3-Dichloropropene
Concen: 9.616 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 75 Resp: 17720

Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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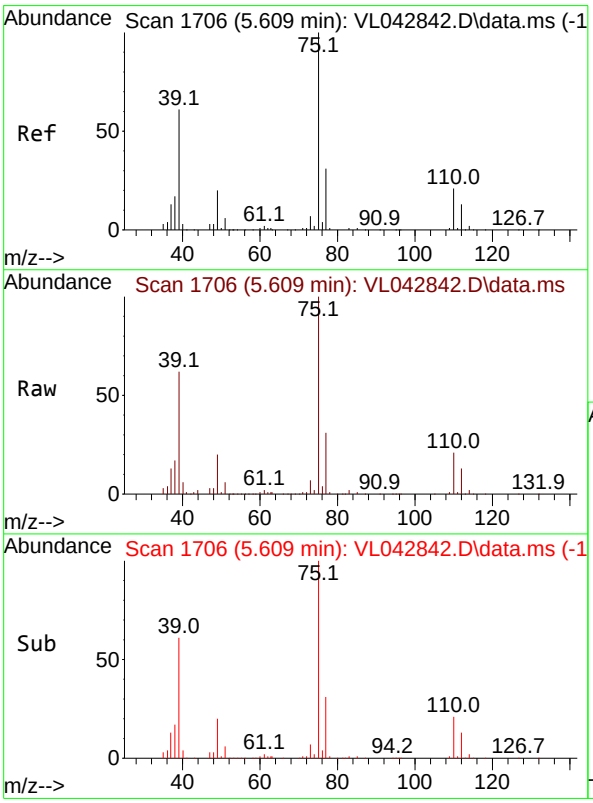
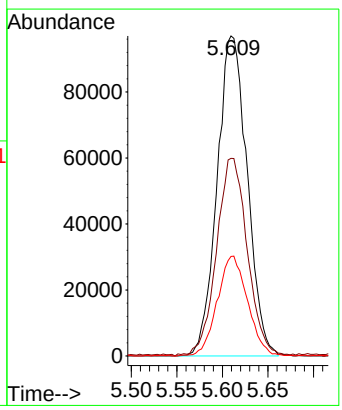
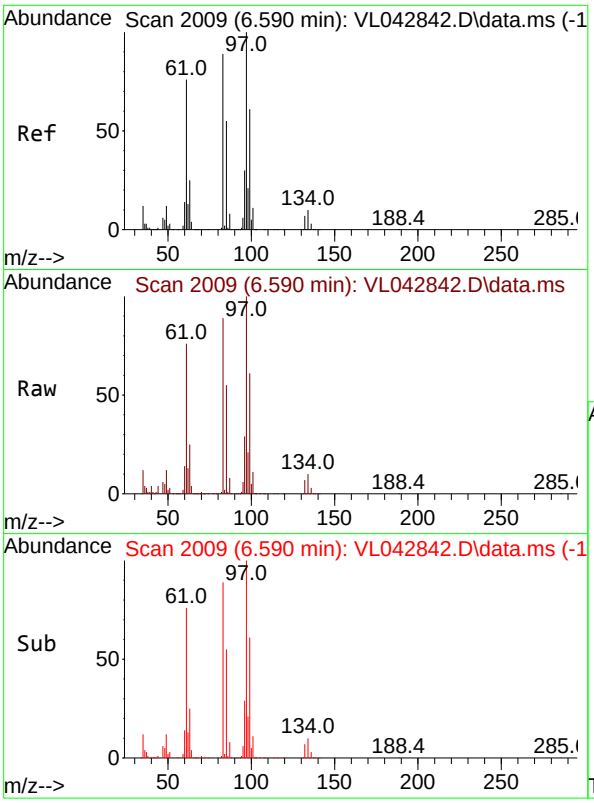


#46
cis-1,3-Dichloropropene
Concen: 9.635 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 75 Resp: 222921

Ion	Ratio	Lower	Upper
75	100		
39	61.1	48.9	73.3
77	31.1	24.9	37.3

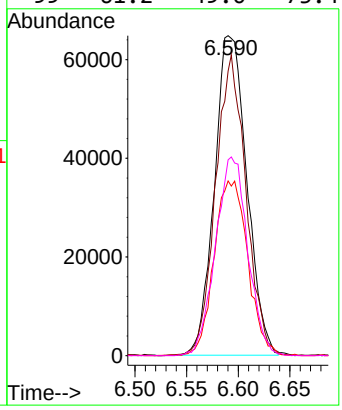




#47
1,1,2-Trichloroethane
Concen: 9.215 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 97 Resp: 14110

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	54.5	43.6	65.4
99	61.2	49.0	73.4



Instrument :
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ClientSampleId :
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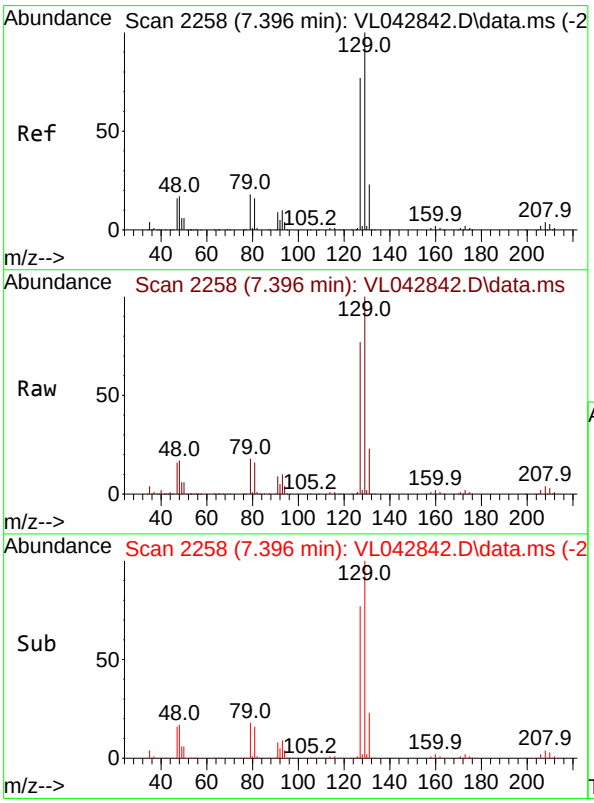
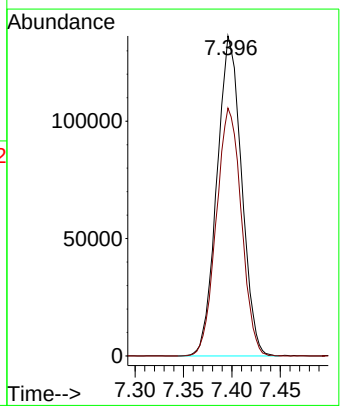
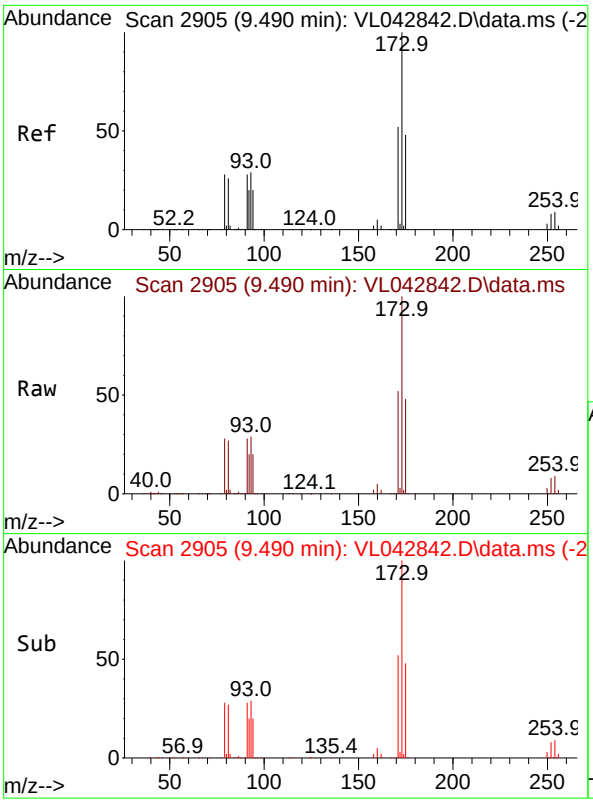


#48
Dibromochloromethane
Concen: 9.739 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:129 Resp: 241553

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2

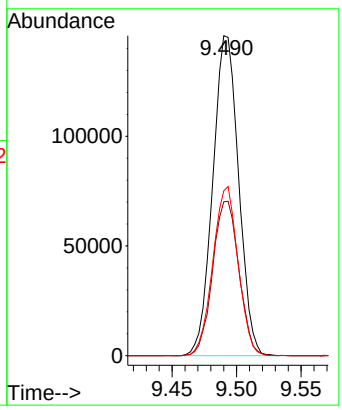




#49
Bromoform
Concen: 9.923 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:173 Resp: 20297

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.2	58.8
171	51.6	41.3	61.9



Instrument :
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ClientSampleId :
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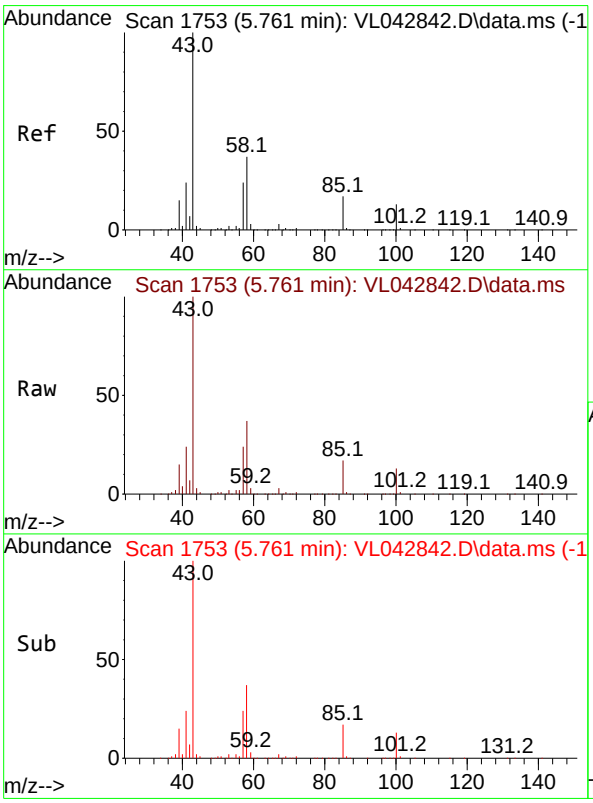
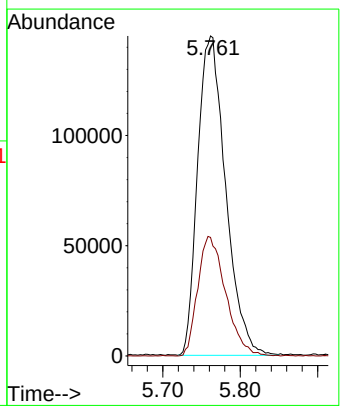
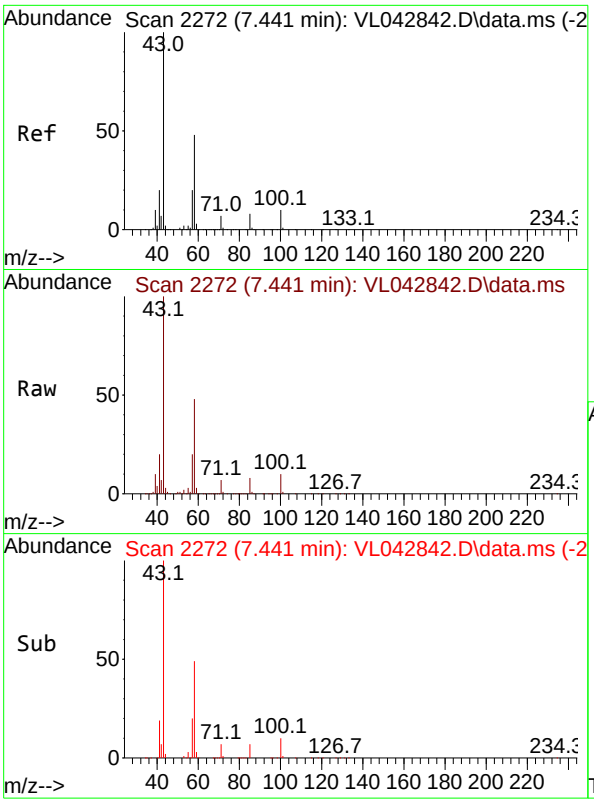


#50
4-Methyl-2-Pentanone
Concen: 9.616 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 364306

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.8	44.8

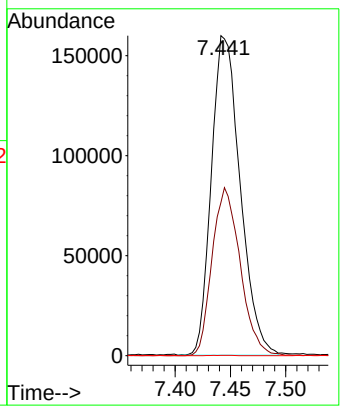




#51
2-Hexanone
Concen: 9.730 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 28905

Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.0	61.6
98	0.1	0.1	0.1



Instrument :
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ClientSampleId :
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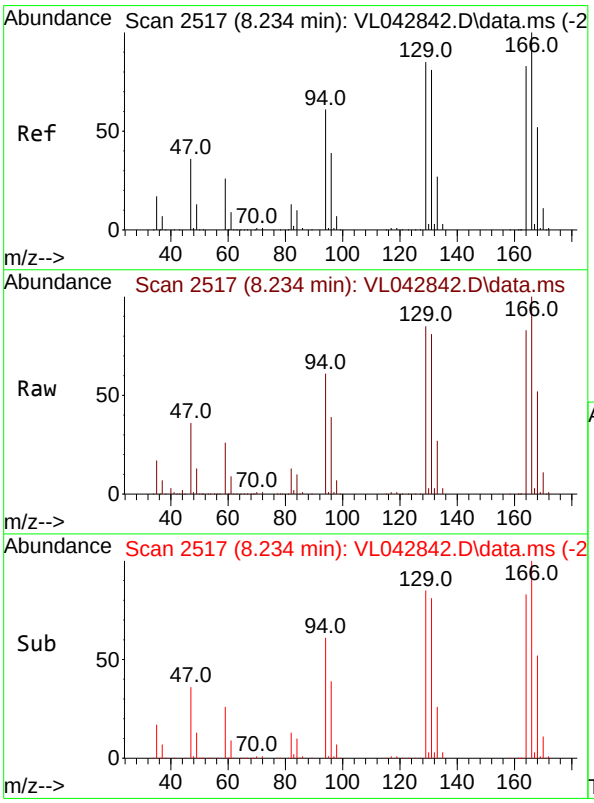
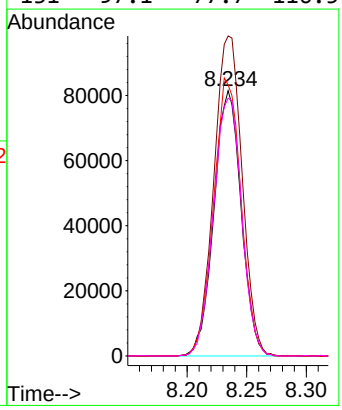
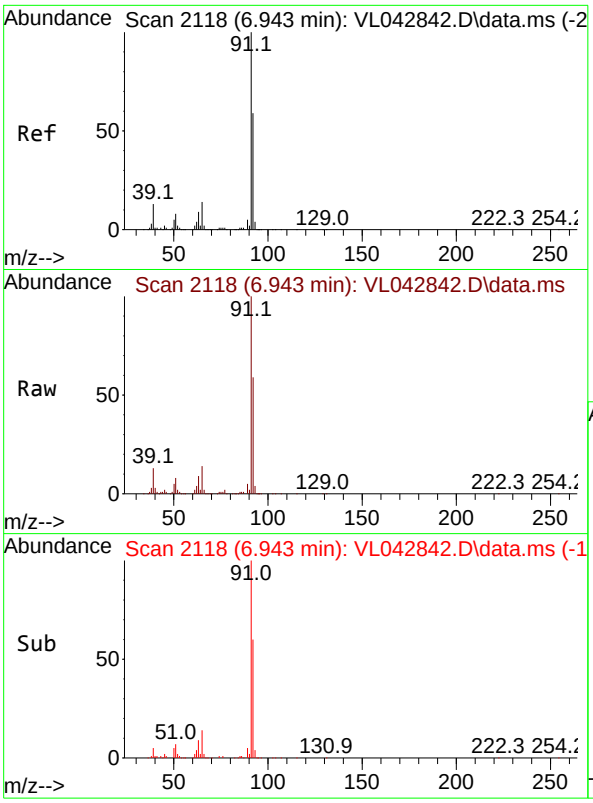


#52
Tetrachloroethene
Concen: 9.026 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:164 Resp: 129484

Ion	Ratio	Lower	Upper
164	100		
166	120.6	96.5	144.7
129	102.2	81.8	122.6
131	97.1	77.7	116.5

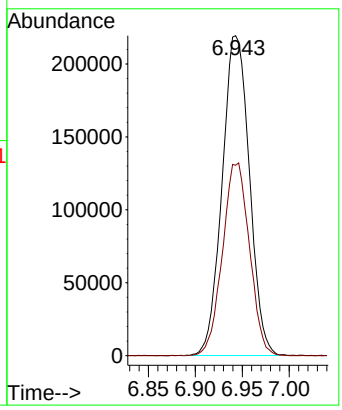




#53
Toluene
Concen: 9.407 ppbv
RT: 6.943 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 44340

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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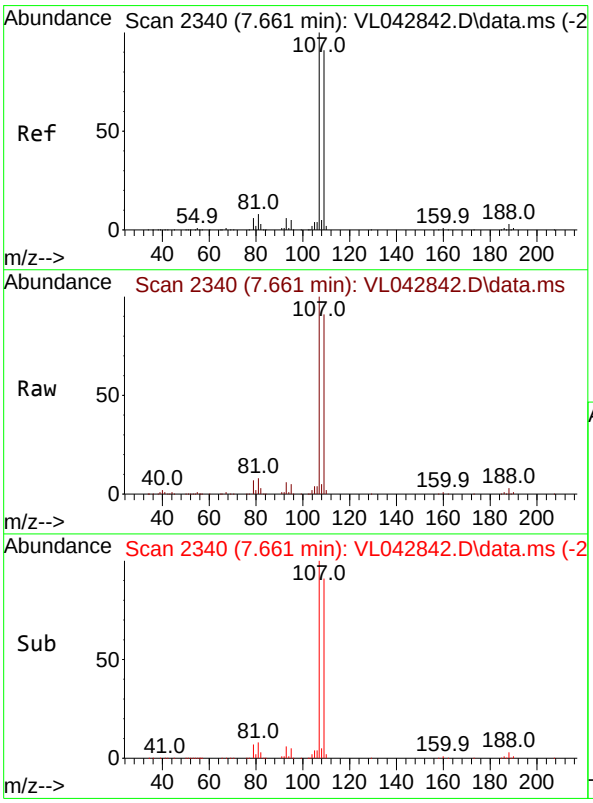
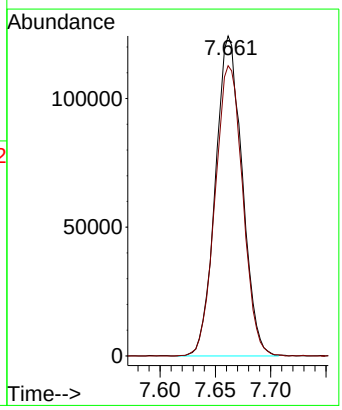
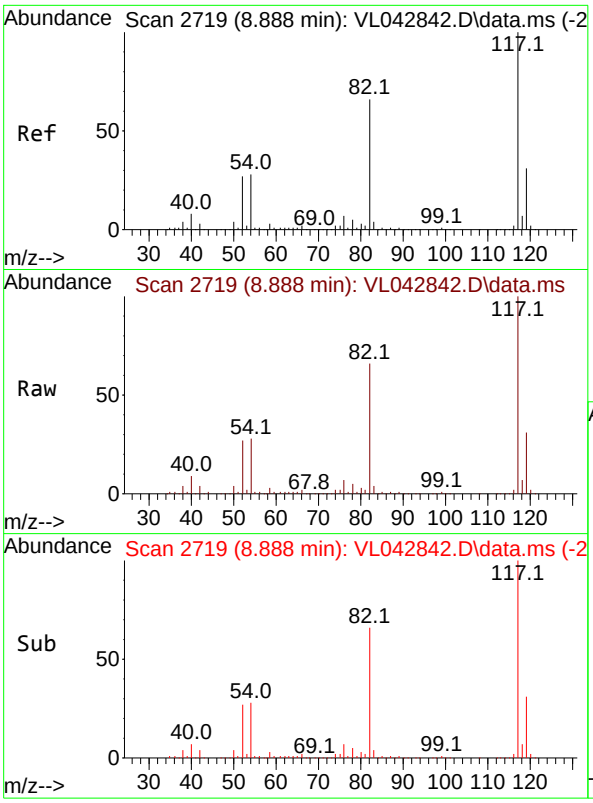


#54
1,2-Dibromoethane
Concen: 9.345 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:107 Resp: 209330

Ion	Ratio	Lower	Upper
107	100		
109	90.6	72.5	108.7

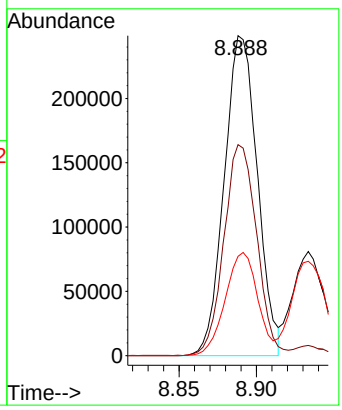




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:117 Resp: 37037

Ion	Ratio	Lower	Upper
117	100		
82	68.2	54.6	81.8
119	32.4	25.9	38.9



Instrument :
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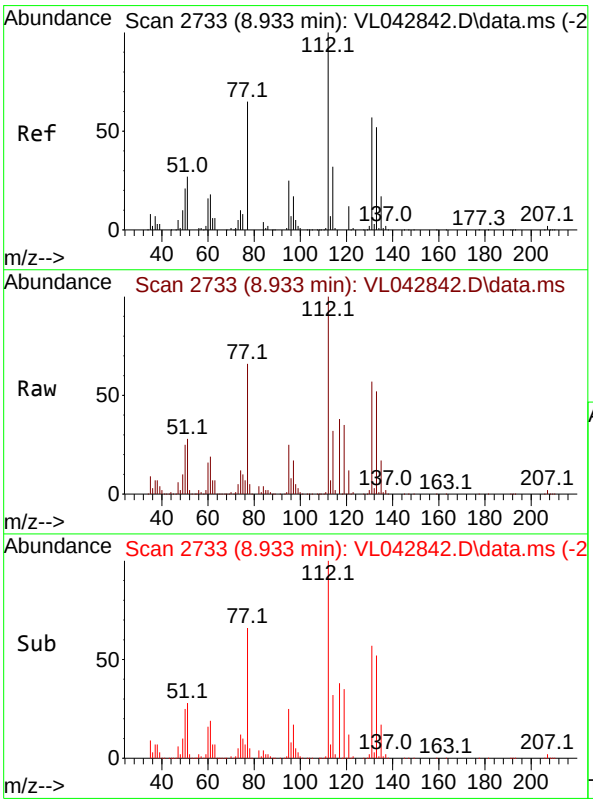
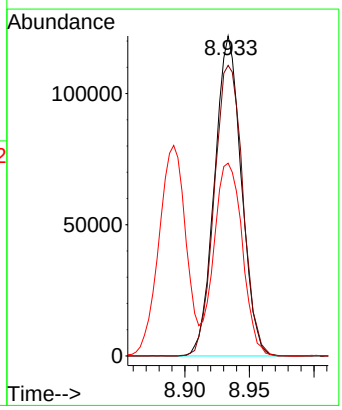
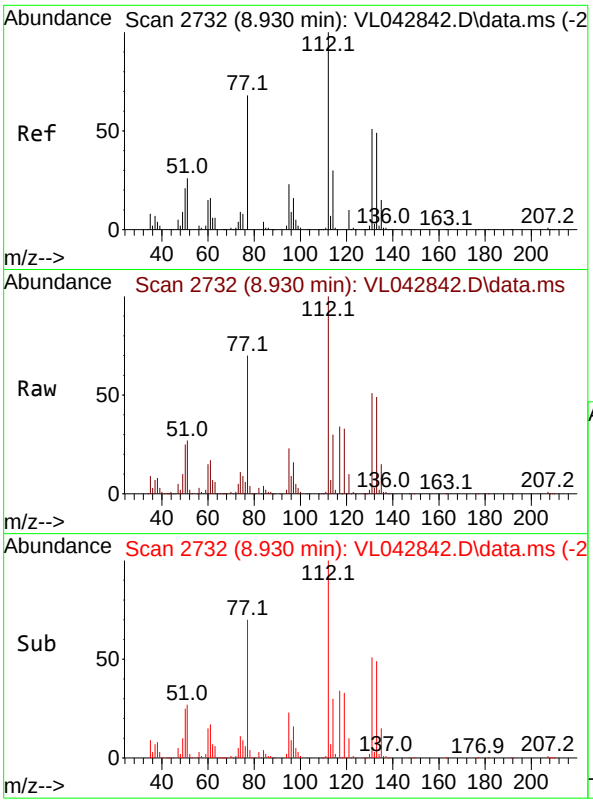


#56
1,1,1,2-Tetrachloroethane
Concen: 9.196 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:131 Resp: 176135

Ion	Ratio	Lower	Upper
131	100		
133	96.7	77.4	116.0
119	64.0	51.2	76.8

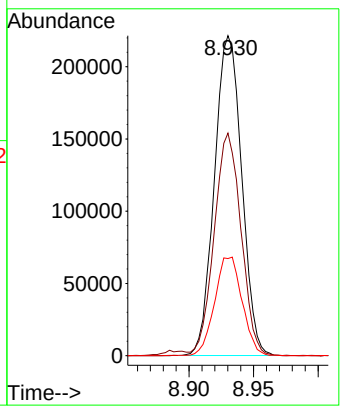




#57
Chlorobenzene
Concen: 9.237 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:112 Resp: 32530

Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.5	83.3
114	30.2	27.2	33.2



Instrument :
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ClientSampleId :
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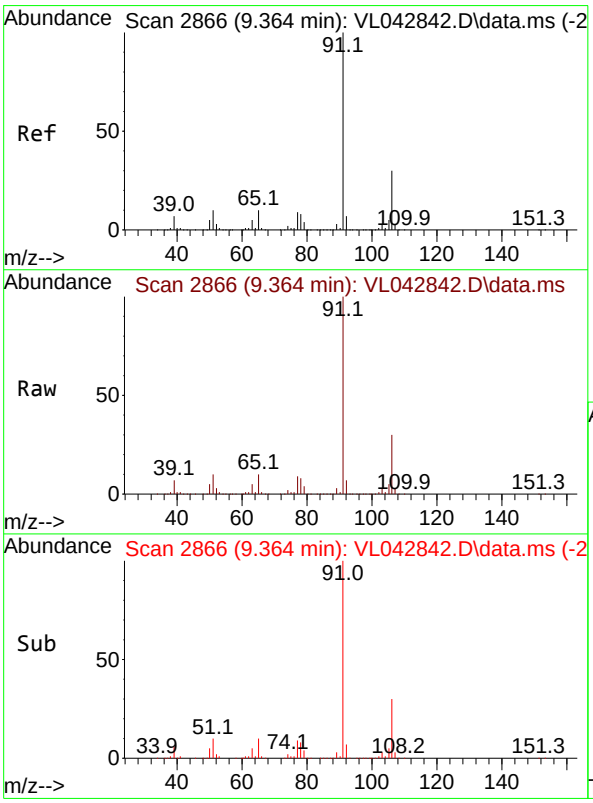
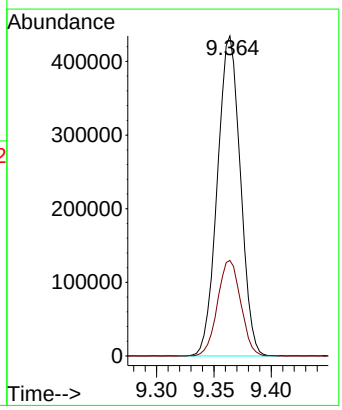
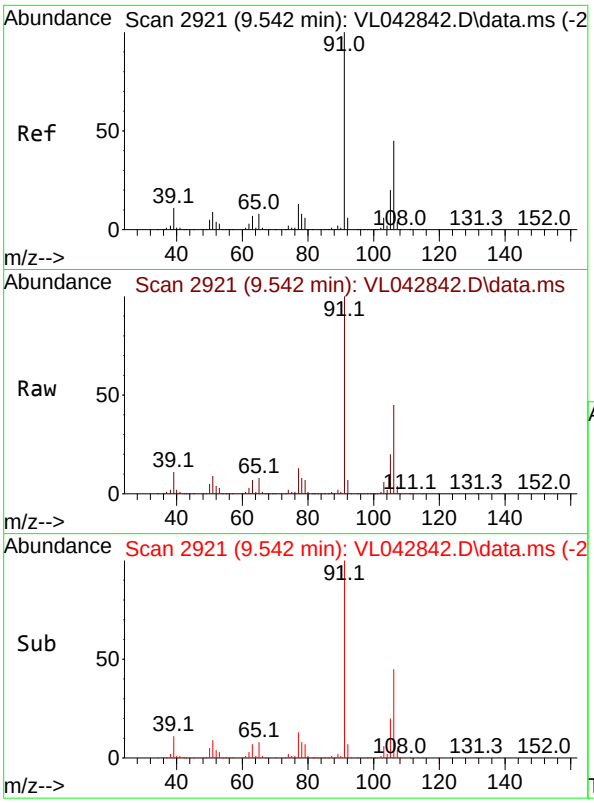


#58
Ethyl Benzene
Concen: 9.268 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 605785

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

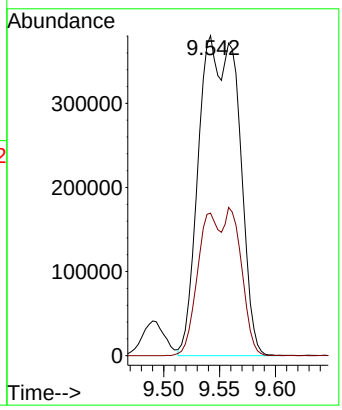




#59
m/p-Xylene
Concen: 18.524 ppbv m
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 95054

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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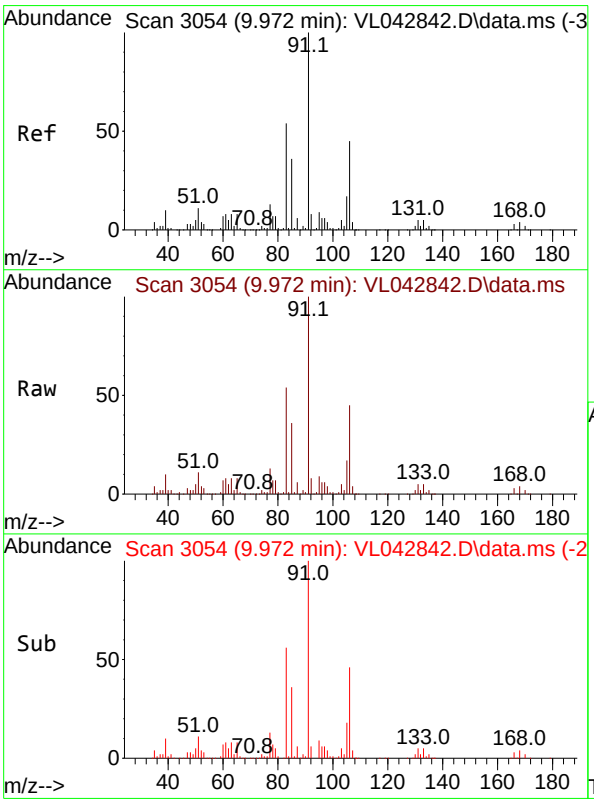
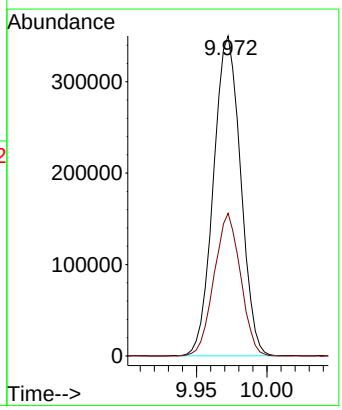
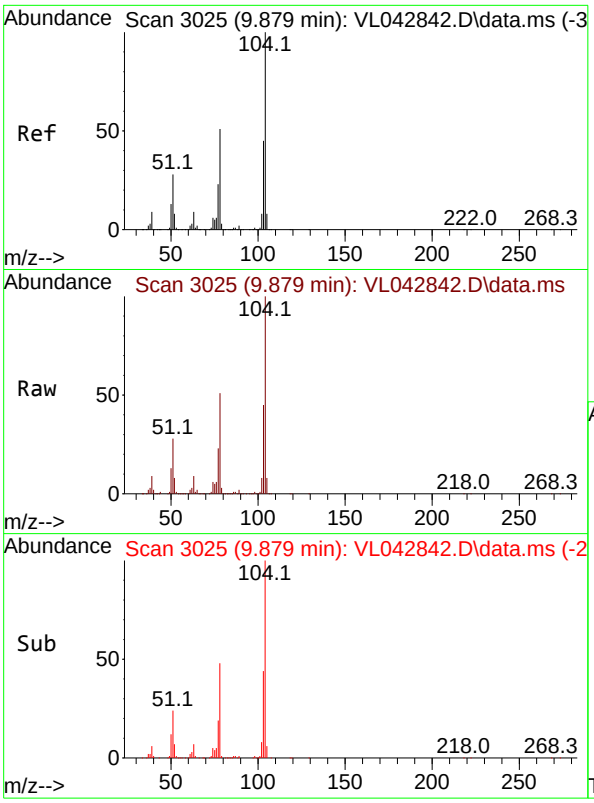


#60
o-Xylene
Concen: 9.102 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 469073

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.8	65.4

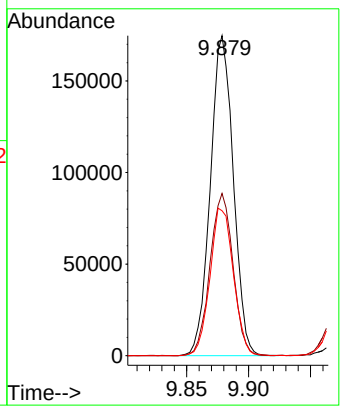




#61
Styrene
Concen: 9.362 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:104 Resp: 22605

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.6	61.0
103	47.1	37.7	56.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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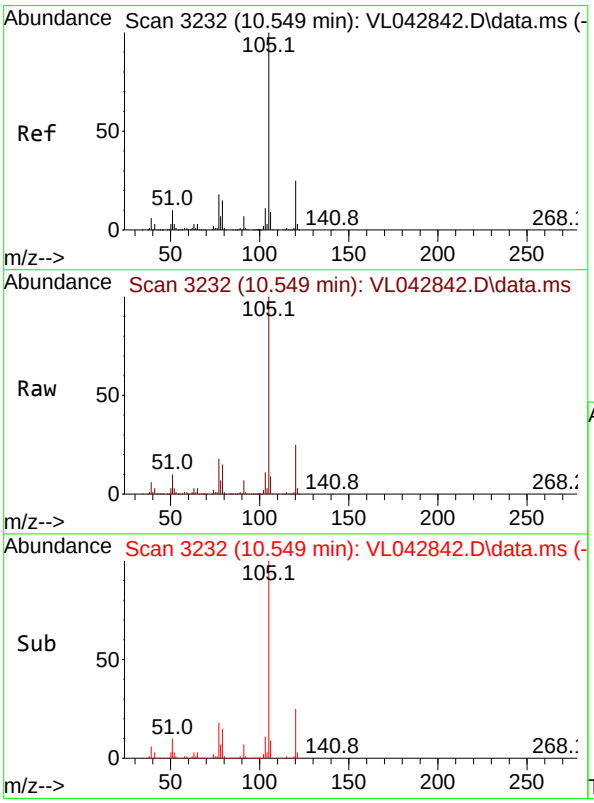
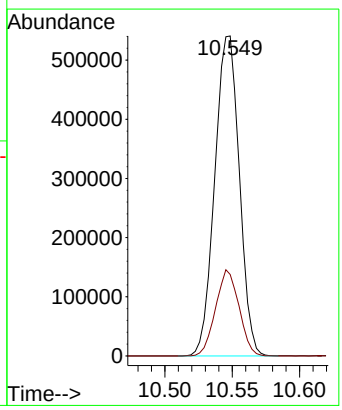
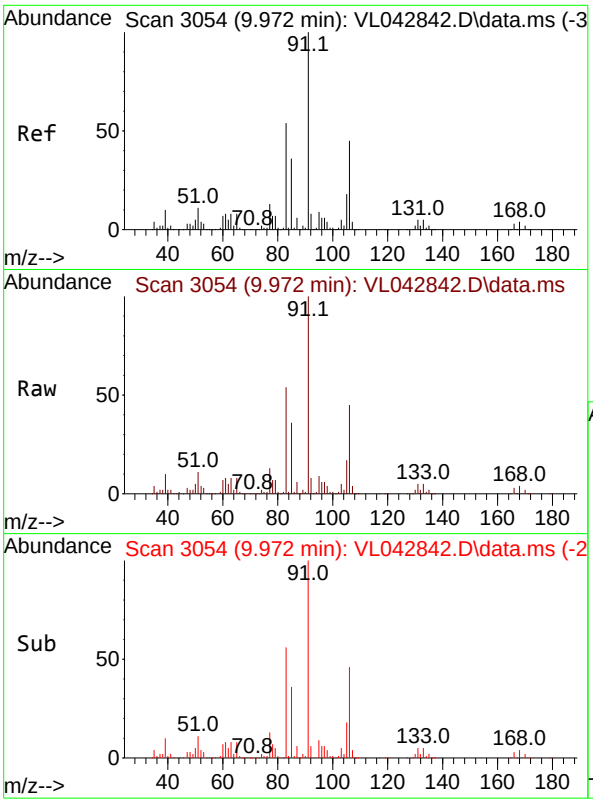


#62
Isopropylbenzene
Concen: 9.108 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 685983

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	30.8

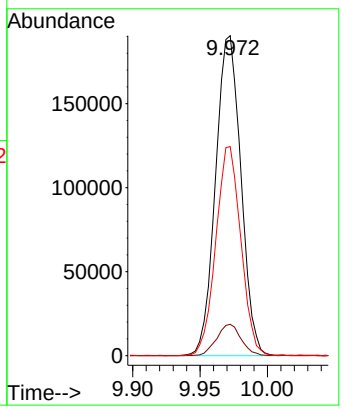




#63
1,1,2,2-Tetrachloroethane
Concen: 8.870 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 83 Resp: 24962

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.5	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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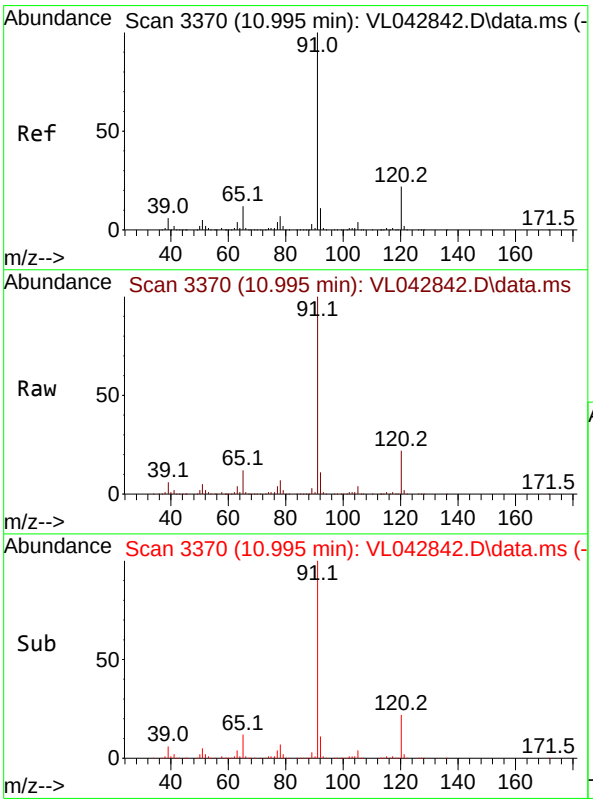
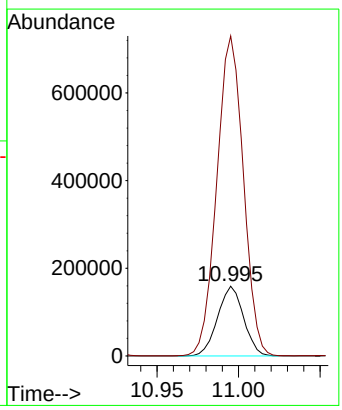
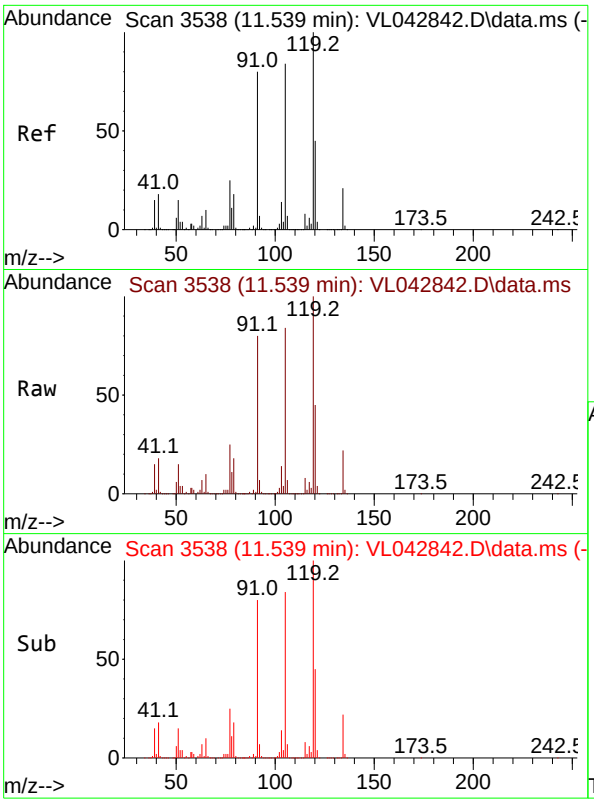


#64
n-propylbenzene
Concen: 9.158 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:120 Resp: 175986

Ion	Ratio	Lower	Upper
120	100		
91	469.7	375.8	563.6

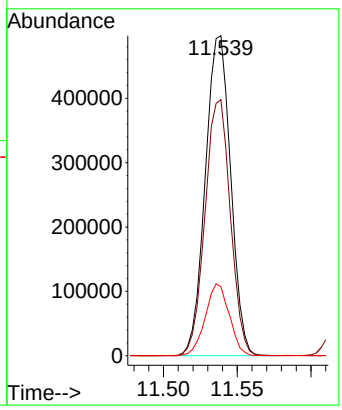




#65
tert-Butylbenzene
Concen: 8.951 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:119 Resp: 59431

Ion	Ratio	Lower	Upper
119	100		
91	79.9	63.9	95.9
134	21.2	17.0	25.4



Instrument :
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ClientSampleId :
VSTDICCC010

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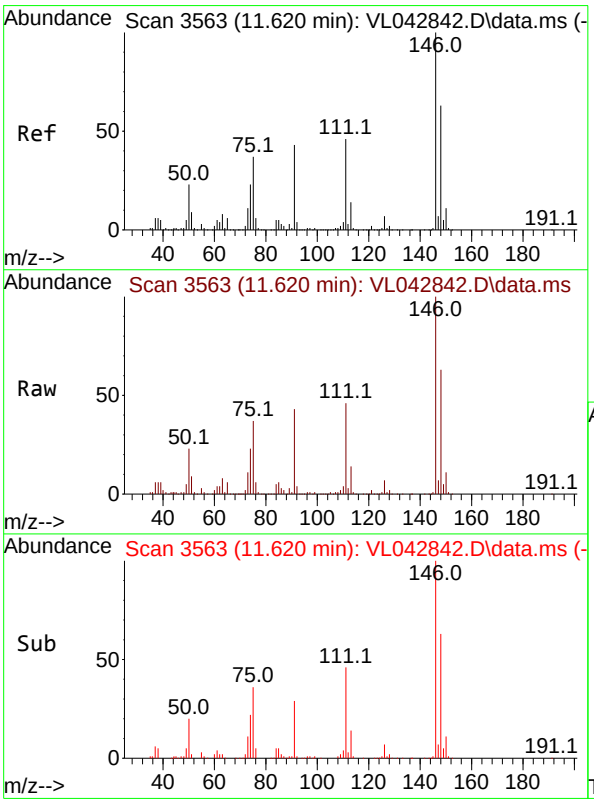
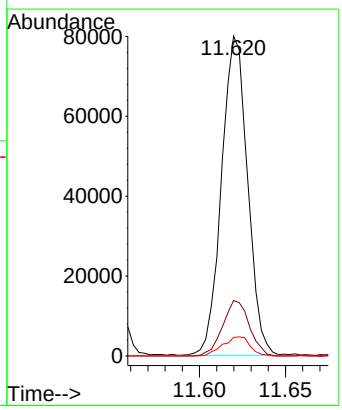
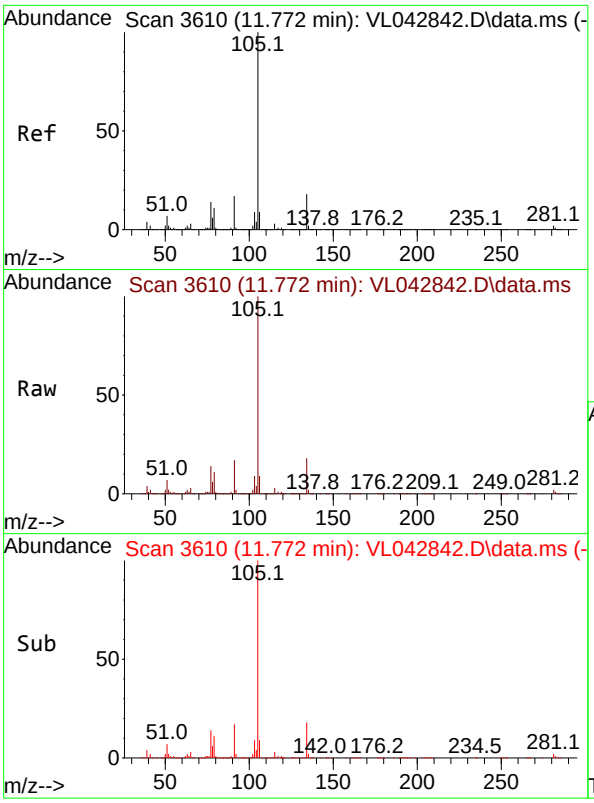


#66
Benzyl Chloride
Concen: 9.985 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 84156

Ion	Ratio	Lower	Upper
91	100		
126	17.8	14.2	21.4
128	6.3	5.0	7.6

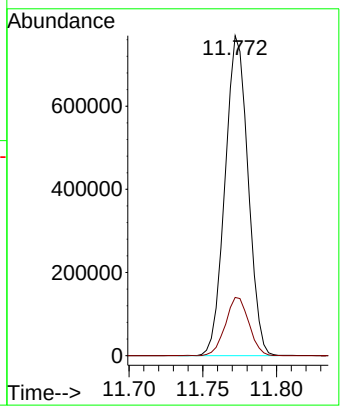




#67
sec-Butylbenzene
Concen: 8.943 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 83337

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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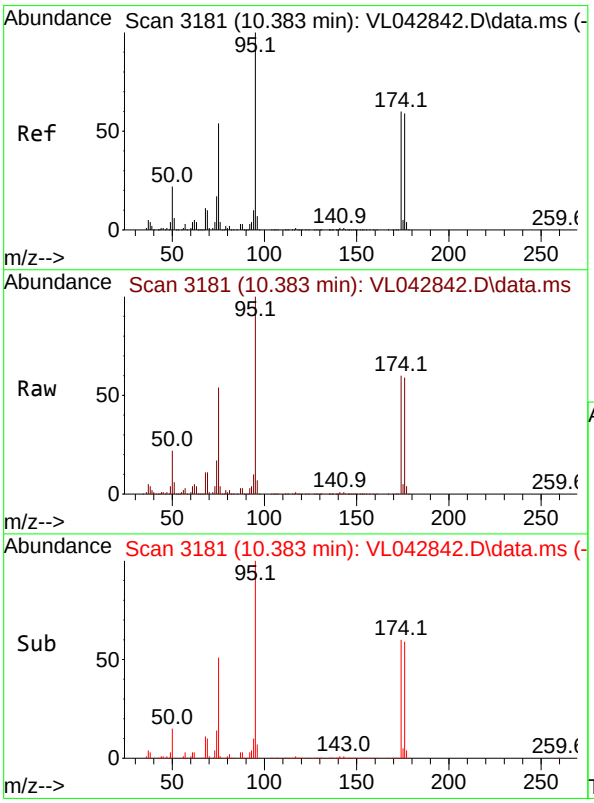
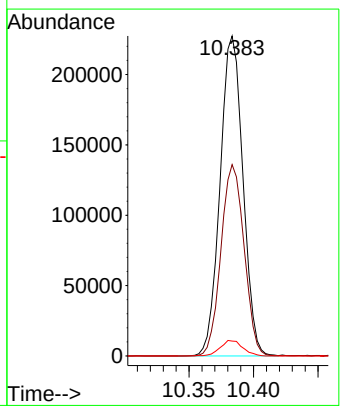
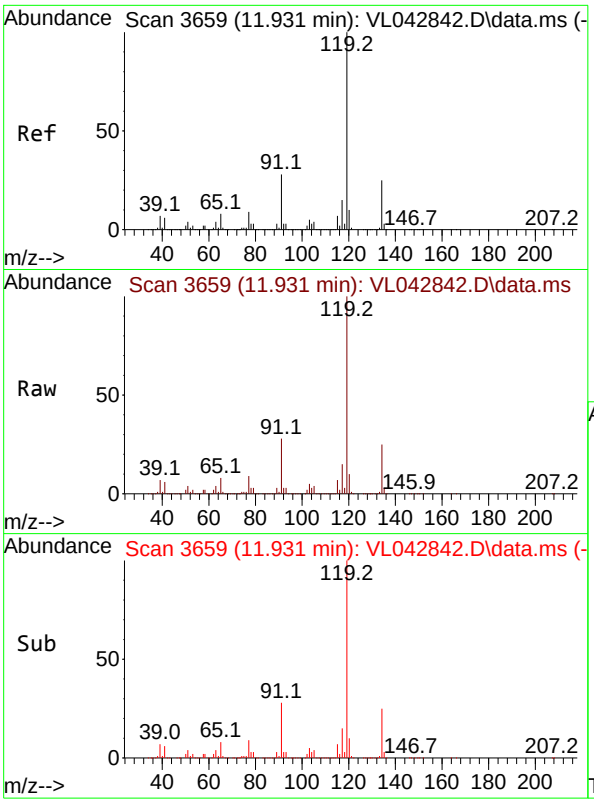


#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 95 Resp: 279557

Ion	Ratio	Lower	Upper
95	100		
174	60.5	48.4	72.6
175	4.8	3.8	5.8

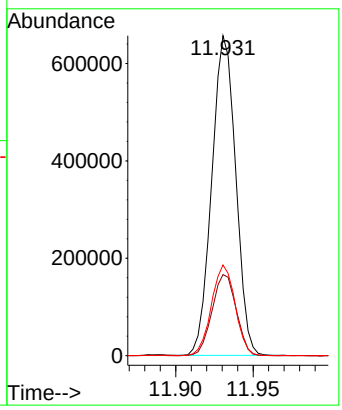




#69
p-Isopropyltoluene
Concen: 8.820 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:119 Resp: 70570

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	28.3	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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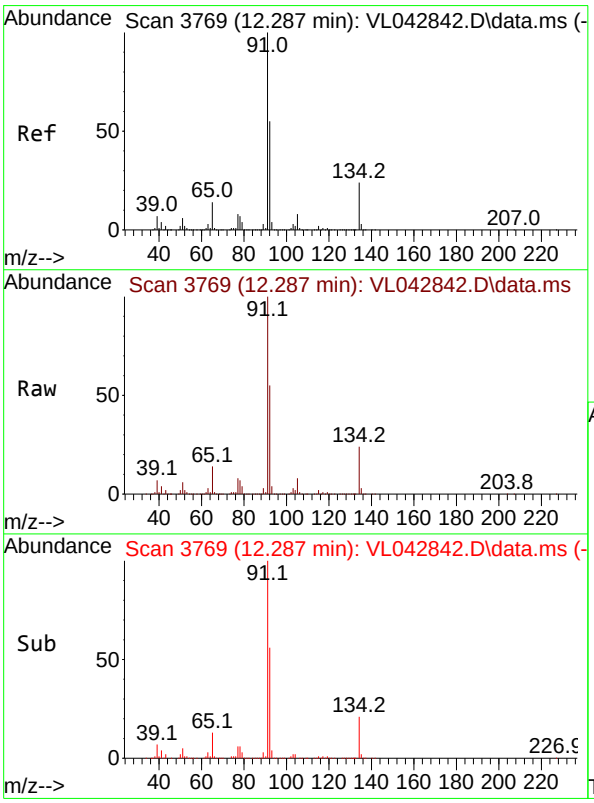
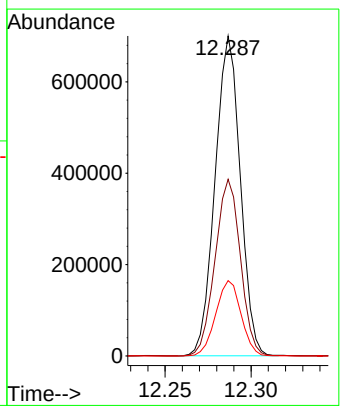
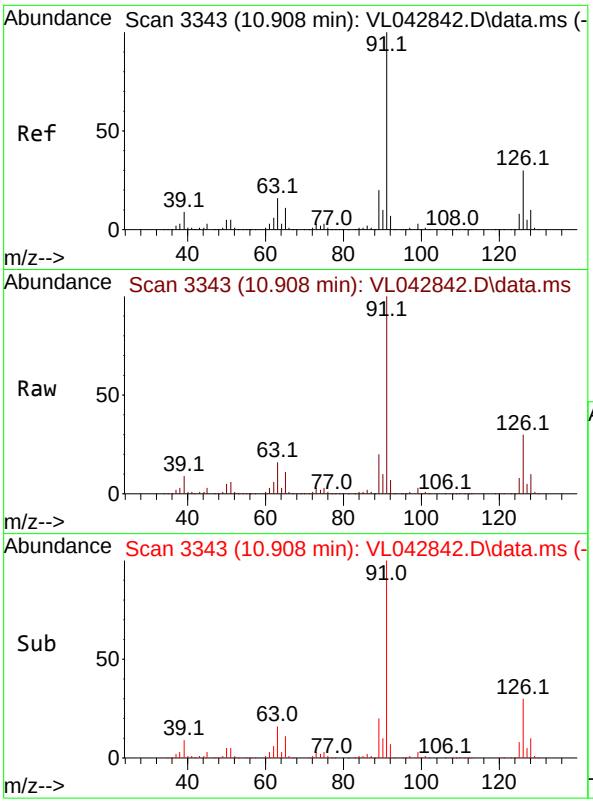


#70
n-Butylbenzene
Concen: 8.995 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 713713

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.6	66.8
134	23.7	19.0	28.4

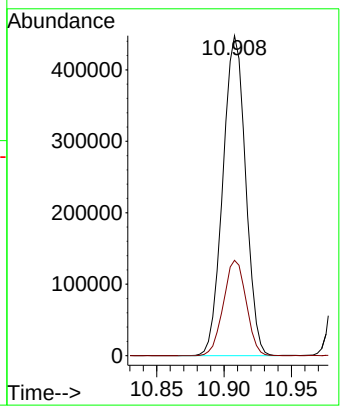




#71
2-Chlorotoluene
Concen: 8.981 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 52523

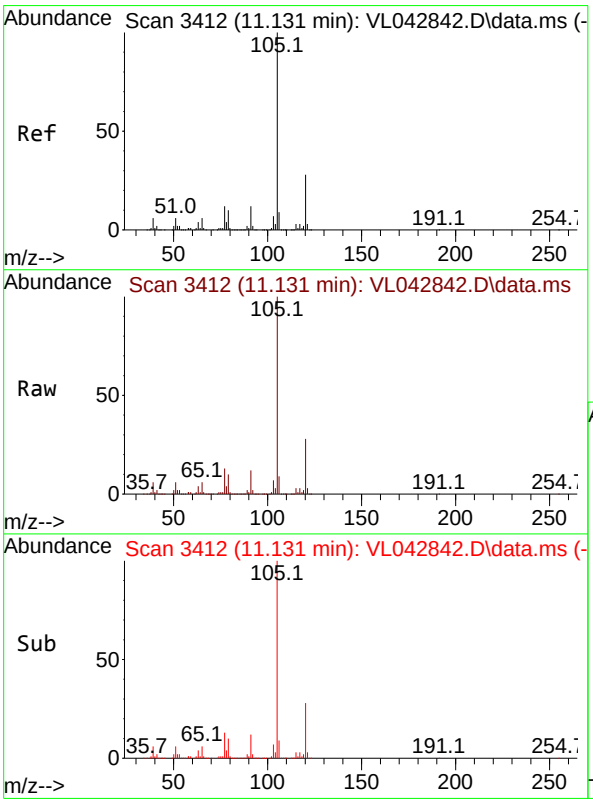
Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

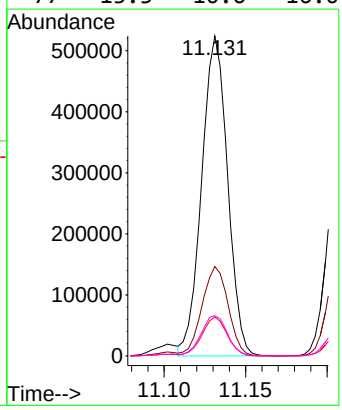
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

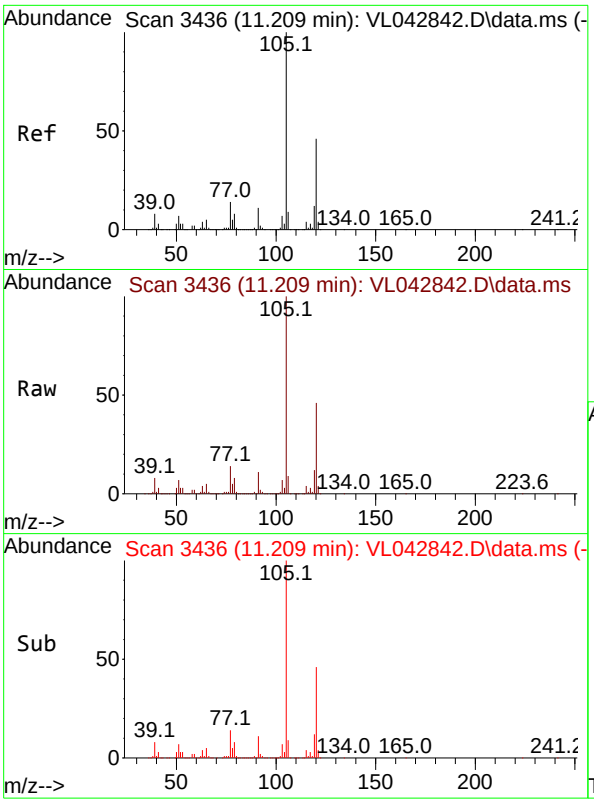


#72
4-Ethyltoluene
Concen: 9.267 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 578931

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.4	35.2
91	12.2	9.8	14.6
77	13.3	10.6	16.0

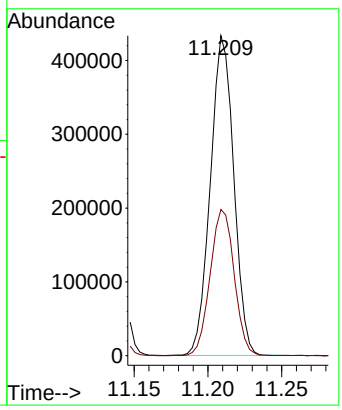




#73
1,3,5-Trimethylbenzene
Concen: 9.012 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 47878

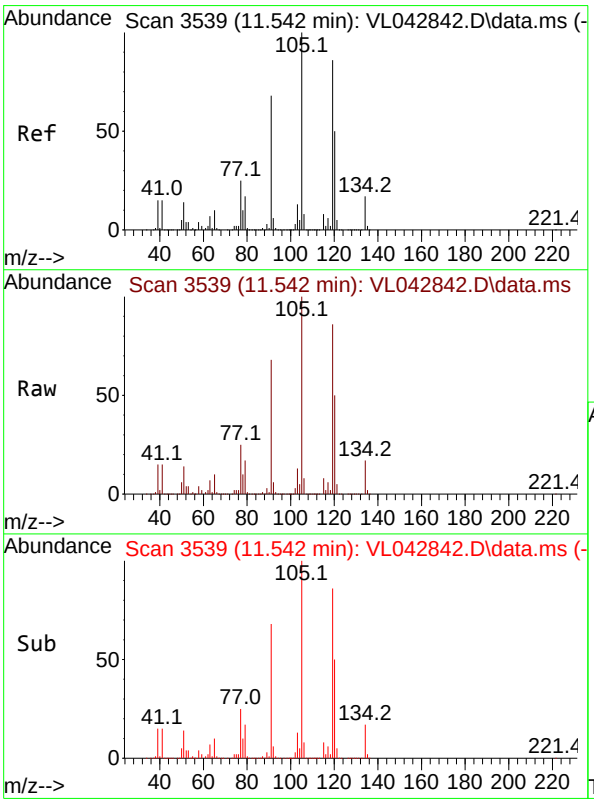
Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

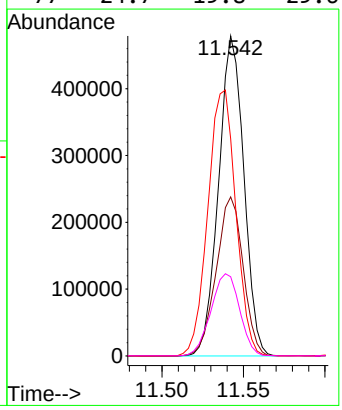
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

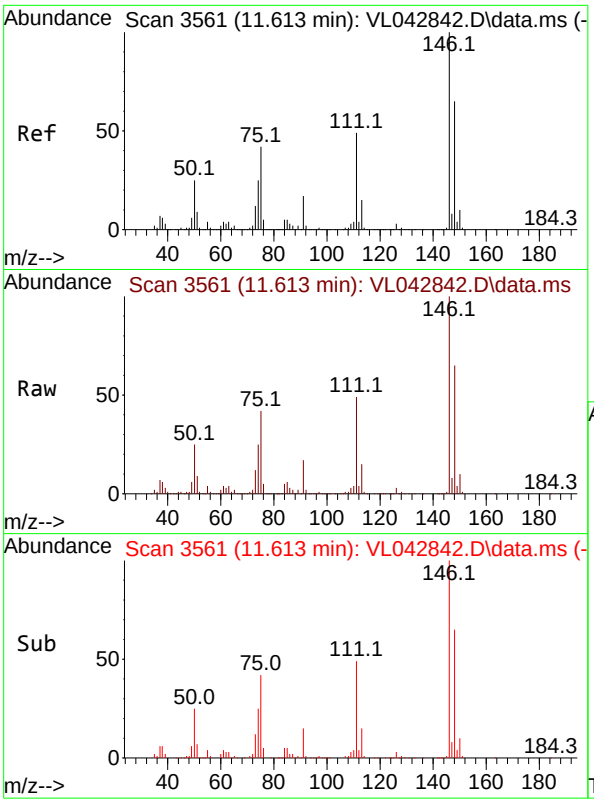


#74
1,2,4-Trimethylbenzene
Concen: 8.853 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 516253

Ion	Ratio	Lower	Upper
105	100		
120	49.7	39.8	59.6
91	67.8	54.2	81.4
77	24.7	19.8	29.6

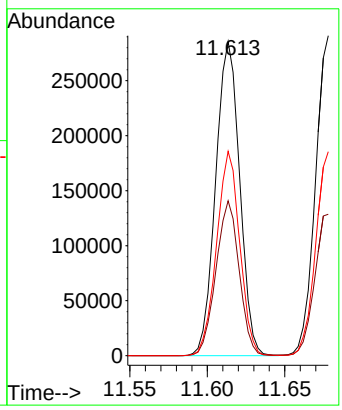




#75
1,3-Dichlorobenzene
Concen: 9.280 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 30764

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.9	71.7
148	62.7	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
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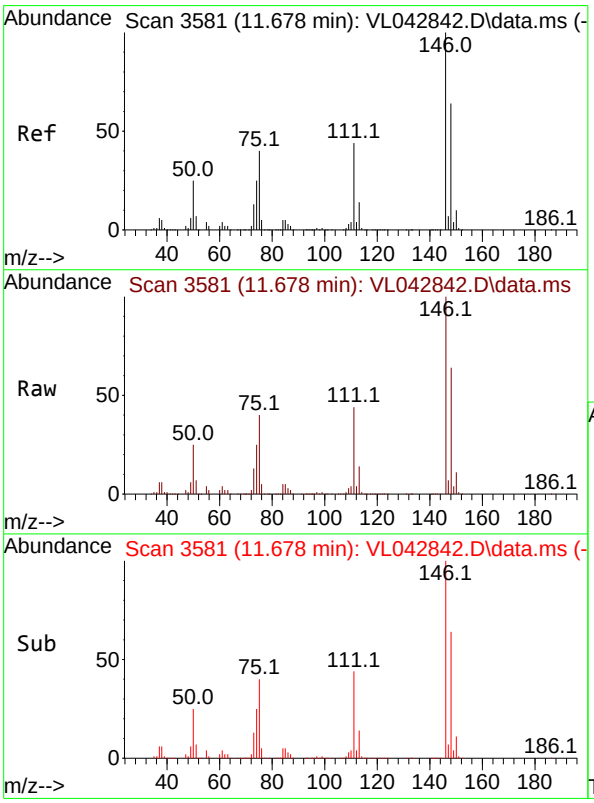
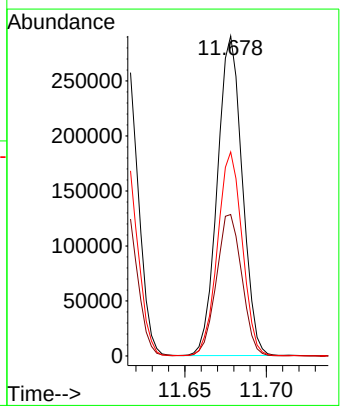
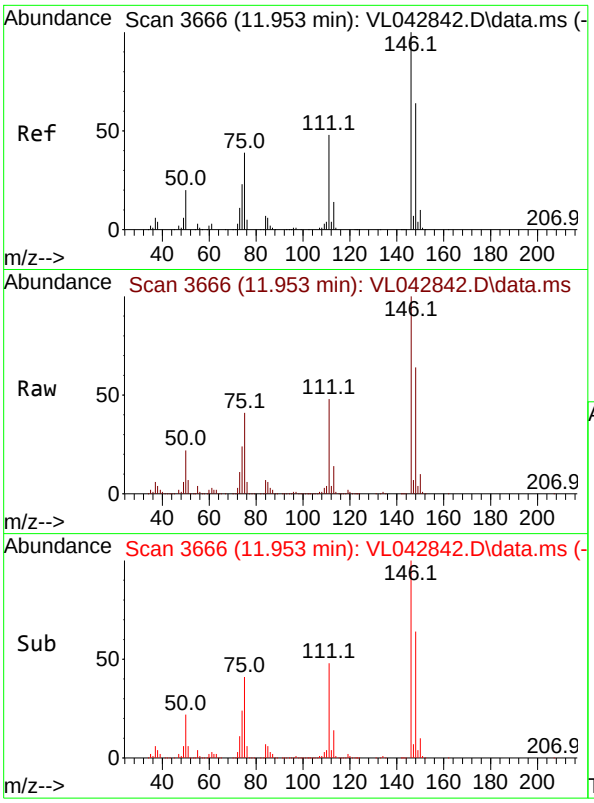


#76
1,4-Dichlorobenzene
Concen: 9.203 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 308542

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.7	68.1
148	63.5	31.8	95.3

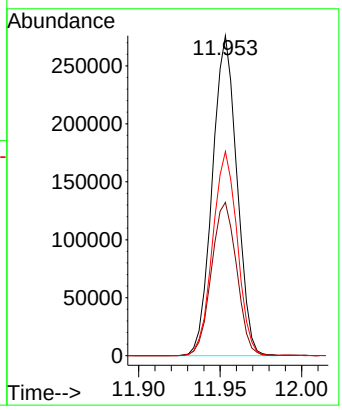




#77
1,2-Dichlorobenzene
Concen: 8.907 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 28911

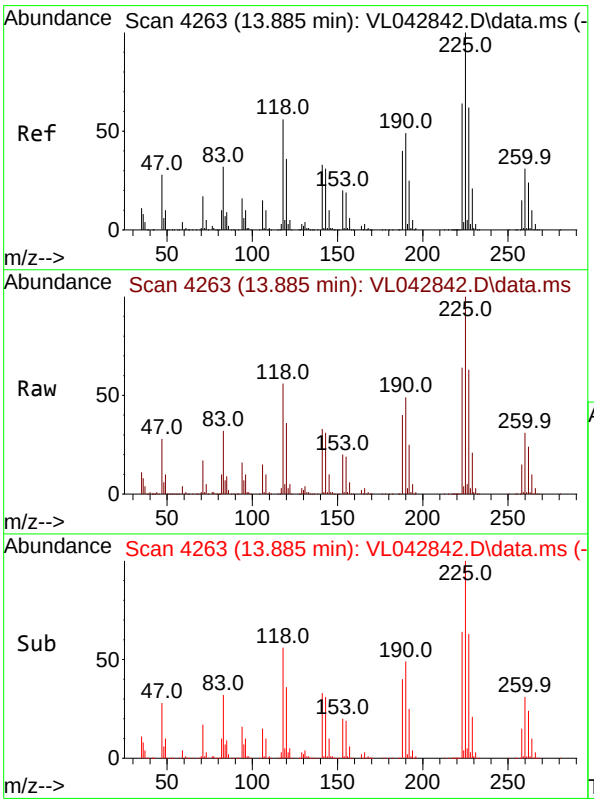
Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	74.0
148	64.0	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

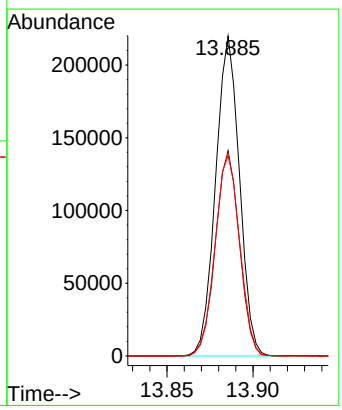
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

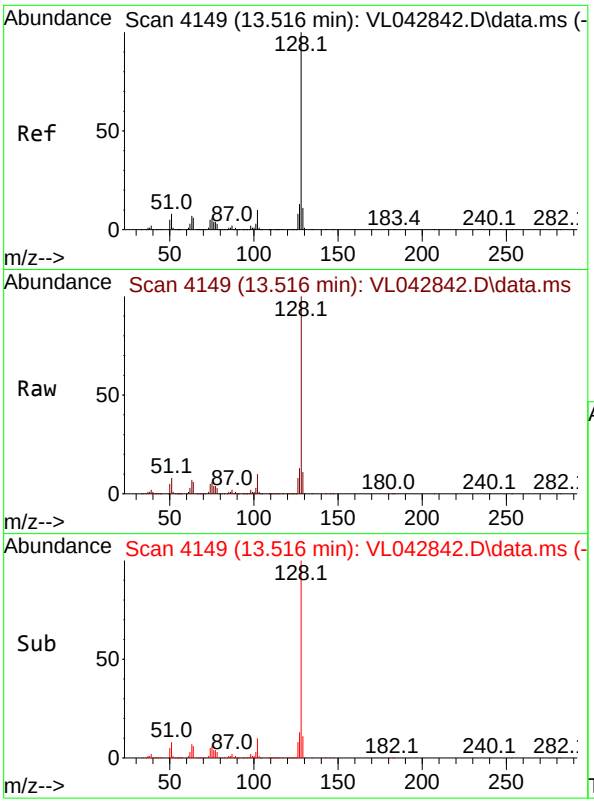


#78
Hexachloro-1,3-Butadiene
Concen: 7.968 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:225 Resp: 211996

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.9	51.9	77.9

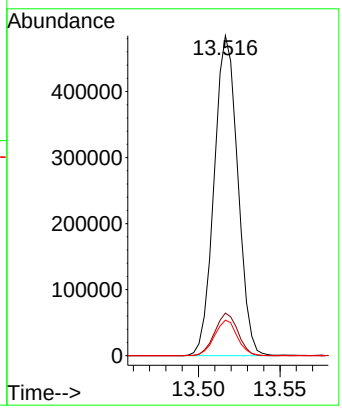




#79
Naphthalene
Concen: 9.335 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:128 Resp: 48717

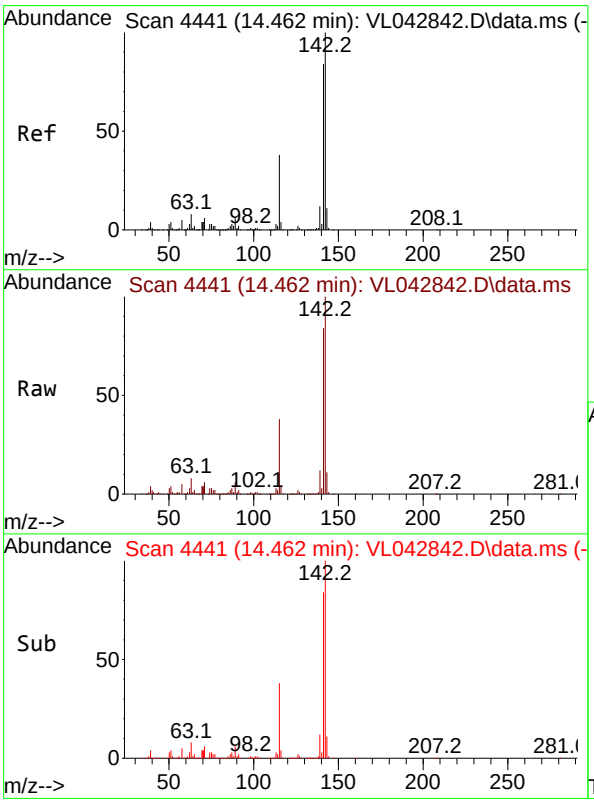
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

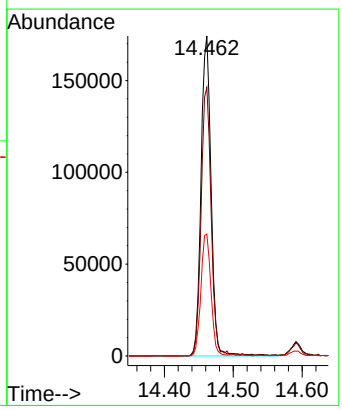
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

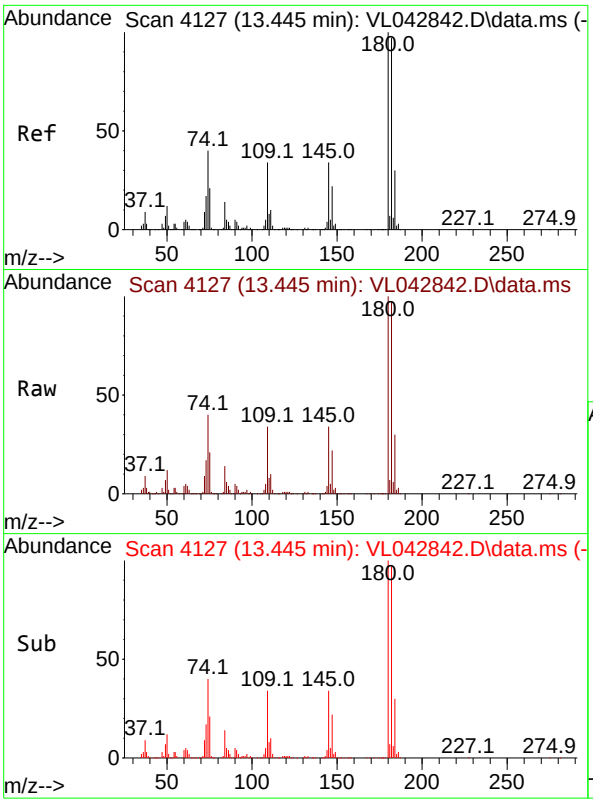


#80
Naphthalene,2-methyl-
Concen: 9.000 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:142 Resp: 176880

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	38.6	30.9	46.3

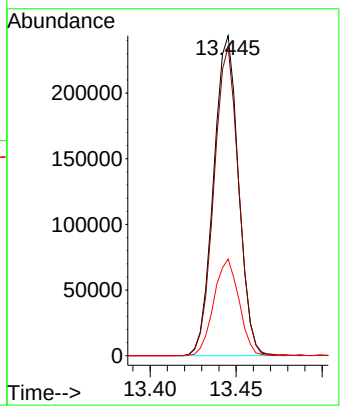




#81
1,2,4-Trichlorobenzene
Concen: 9.220 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:180 Resp: 24499

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	130555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	408144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	363830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	270774	9.923	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	39443	2.061	ppbv	99
3) Chlorodifluoromethane	1.480	51	44759	2.114	ppbv	96
4) Chloromethane	1.535	50	15826	2.050	ppbv	99
5) Vinyl Chloride	1.583	62	14358	1.888	ppbv	97
6) Bromomethane	1.670	94	6248	2.055	ppbv	97
7) Chloroethane	1.706	64	5717	1.925	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	32496	2.075	ppbv	98
9) Propene	1.486	41	18678	2.045	ppbv	89
10) Heptane	4.991	43	50062	2.050	ppbv	97
11) Trichlorofluoromethane	1.881	101	38308	2.029	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	31052	2.064	ppbv	99
13) Ethanol	1.725	45	1817m	2.008	ppbv	
14) Bromoethene	1.784	108	11376	2.089	ppbv	96
15) Acetone	1.839	43	38531	2.231	ppbv	96
16) 1,3-Butadiene	1.612	39	15122	1.932	ppbv	98
17) tert-Butyl alcohol	2.046	59	40652	1.985	ppbv	97
18) 1,1-Dichloroethene	2.039	96	13883	2.099	ppbv	95
19) Isopropyl Alcohol	1.891	45	20866	2.023	ppbv #	39
20) Methylene Chloride	2.065	84	14204	1.963	ppbv #	92
21) Allyl Chloride	2.101	41	24662	2.021	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	15773	2.132	ppbv	96
23) Vinyl Acetate	2.467	43	48269	2.125	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	30931	2.024	ppbv	98
25) Ethyl Acetate	2.842	43	86804	2.077	ppbv	98
26) Hexane	2.832	57	39735	2.060	ppbv	94
27) Carbon Disulfide	2.156	76	39466	2.102	ppbv #	15
28) Methyl tert-Butyl Ether	2.444	73	21341	2.169	ppbv	96
29) Chloroform	2.855	83	56553	2.053	ppbv	95
30) Cyclohexane	3.868	84	34992	2.069	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	39783	2.062	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	57837	1.983	ppbv	100
34) 2-Butanone	2.564	43	57172	2.075	ppbv	98
35) Carbon Tetrachloride	3.771	117	56459	2.007	ppbv	97
36) Benzene	3.664	78	80781	2.067	ppbv	98
37) 1,2-Dichloroethane	3.227	62	41034	2.010	ppbv	97
38) Trichloroethene	4.561	130	36990	2.072	ppbv #	86
39) 1,2-Dichloropropane	4.328	63	29059	2.036	ppbv	98
40) 1,4-Dioxane	4.606	88	13510m	2.022	ppbv	
41) Tetrahydrofuran	3.062	42	31994	2.082	ppbv	97
42) Bromodichloromethane	4.503	83	63436	2.085	ppbv	97
43) Methyl Methacrylate	4.888	69	33851m	2.111	ppbv	
44) 2,2,4-Trimethylpentane	4.655	57	136794	2.085	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	37248	2.048	ppbv	90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	47201m	2.067	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	31477m	2.083	ppbv	
48) Dibromochloromethane	7.399	129	51620	2.109	ppbv	100
49) Bromoform	9.493	173	43662	2.163	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	77225	2.066	ppbv	99
51) 2-Hexanone	7.451	43	61210	2.088	ppbv #	98
52) Tetrachloroethene	8.234	164	28166	1.990	ppbv	92
53) Toluene	6.946	91	94690	2.036	ppbv	98
54) 1,2-Dibromoethane	7.665	107	45071	2.039	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.933	131	40090	2.131	ppbv	97
57) Chlorobenzene	8.933	112	72296	2.090	ppbv	97
58) Ethyl Benzene	9.364	91	133719	2.083	ppbv	99
59) m/p-Xylene	9.558	91	211704m	4.200	ppbv	
60) o-Xylene	9.972	91	105125	2.077	ppbv	100
61) Styrene	9.879	104	48027	2.025	ppbv	96
62) Isopropylbenzene	10.545	105	155223	2.098	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	56139	2.031	ppbv	98
64) n-propylbenzene	10.995	120	39922	2.115	ppbv	97
65) tert-Butylbenzene	11.536	119	139019	2.132	ppbv	99
66) Benzyl Chloride	11.623	91	17893	2.161	ppbv	97
67) sec-Butylbenzene	11.772	105	196899	2.151	ppbv	98
69) p-Isopropyltoluene	11.931	119	169429	2.156	ppbv	99
70) n-Butylbenzene	12.287	91	169768	2.178	ppbv	99
71) 2-Chlorotoluene	10.908	91	119382	2.078	ppbv	99
72) 4-Ethyltoluene	11.131	105	129786	2.115	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	110043	2.109	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	123554	2.157	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	70330	2.160	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	71160	2.161	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	68944	2.162	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	58509	2.239	ppbv	100
79) Naphthalene	13.517	128	127025	2.478	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	51541	2.670	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	62216	2.384	ppbv	98

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

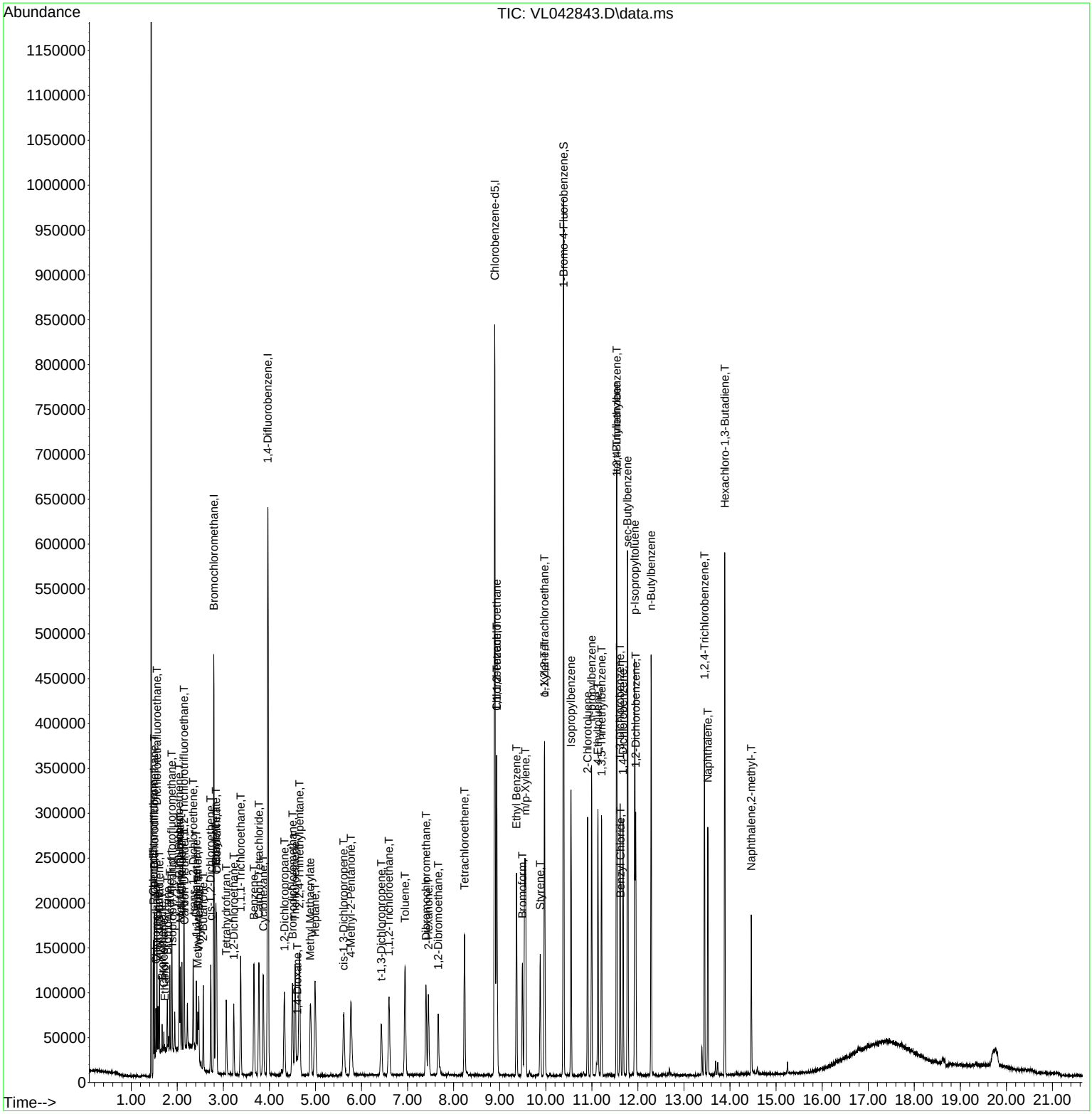
Quantitation Report (QT Reviewed)

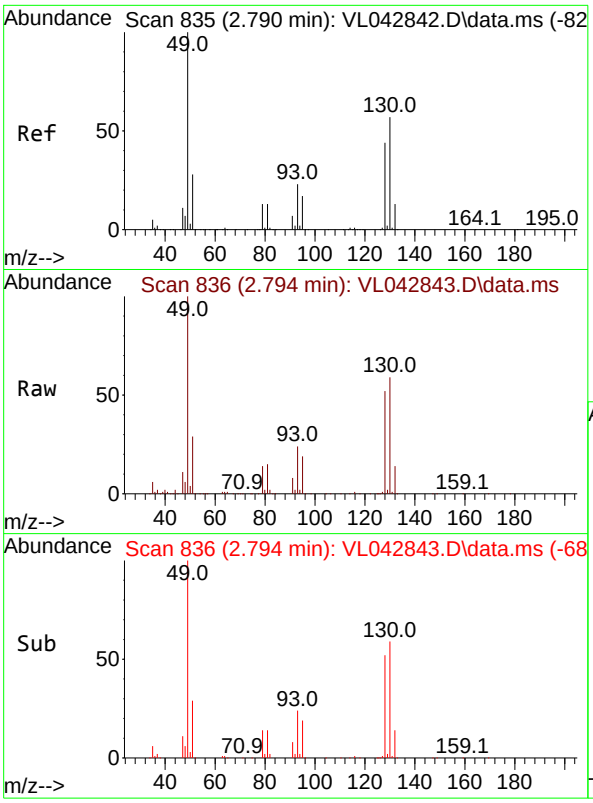
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

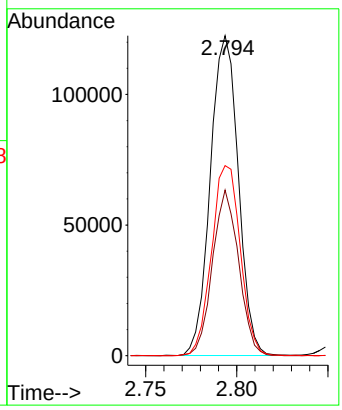




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 49 Resp: 13055

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.7	71.1
130	61.3	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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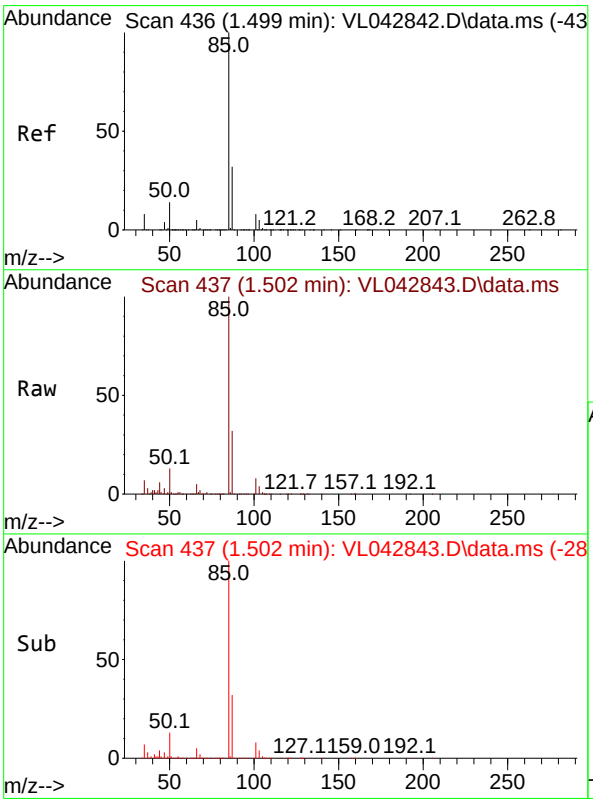
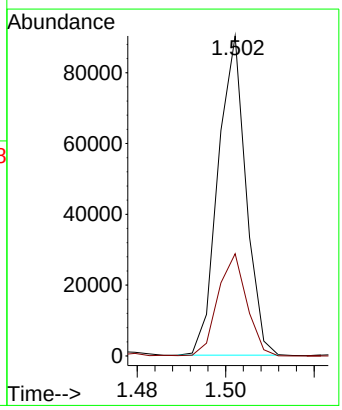
Supervised By :Mahesh Dadoda 08/18/2025

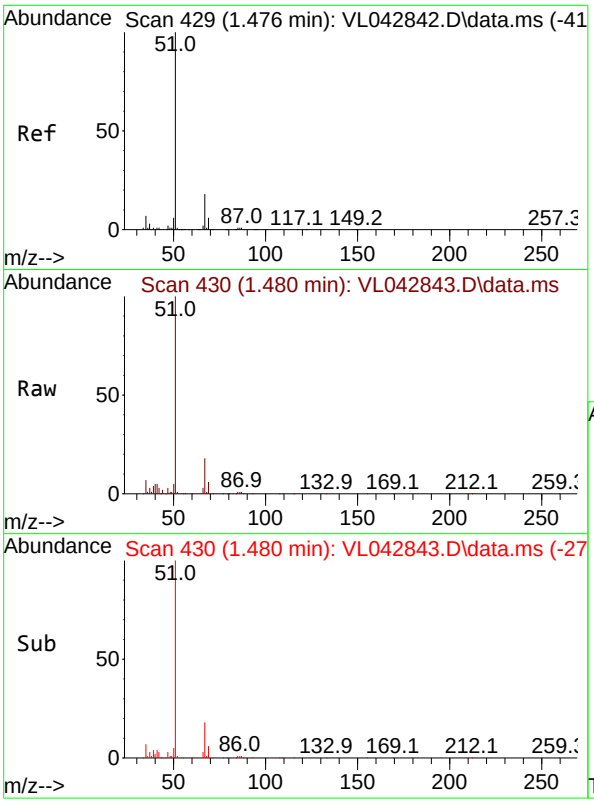


#2
Dichlorodifluoromethane
Concen: 2.061 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 85 Resp: 39443

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.3	37.9

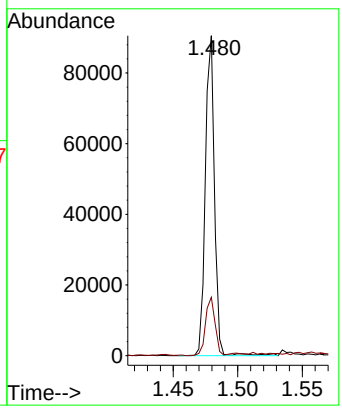




#3
Chlorodifluoromethane
Concen: 2.114 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 51 Resp: 4475

Ion	Ratio	Lower	Upper
51	100		
67	20.3	14.9	22.3



Instrument :
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ClientSampleId :
VSTDICC002

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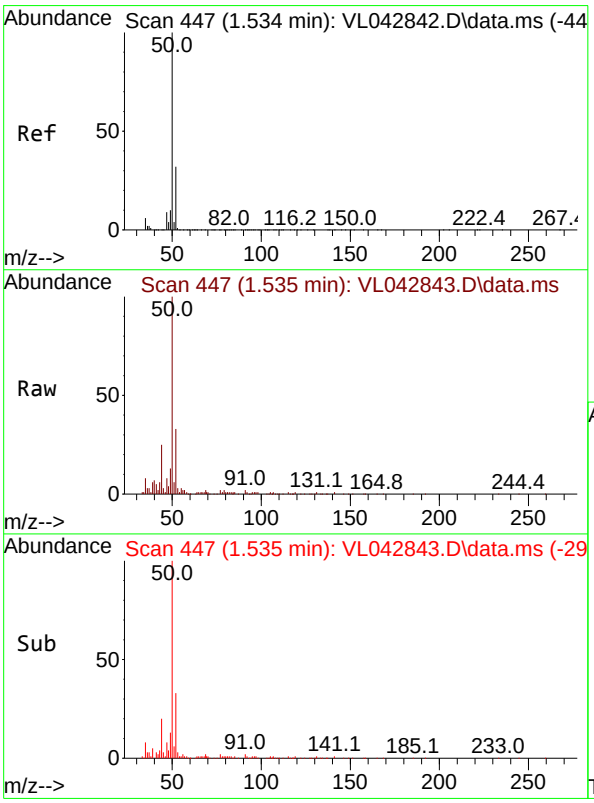
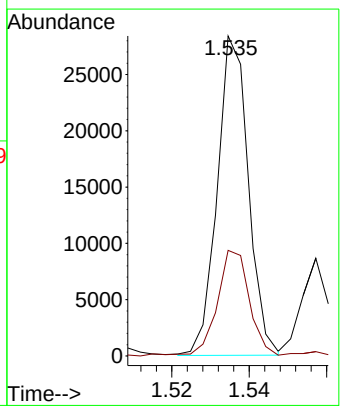
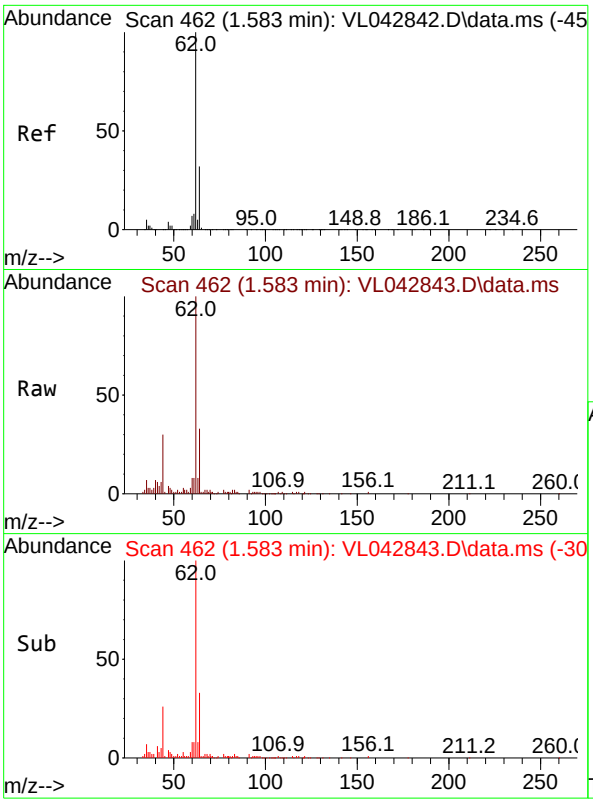


#4
Chloromethane
Concen: 2.050 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 50 Resp: 15826

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.9	38.9

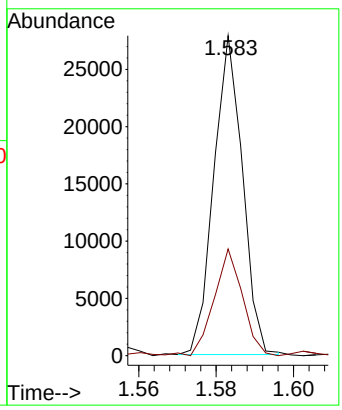




#5
Vinyl Chloride
Concen: 1.888 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 62 Resp: 1435

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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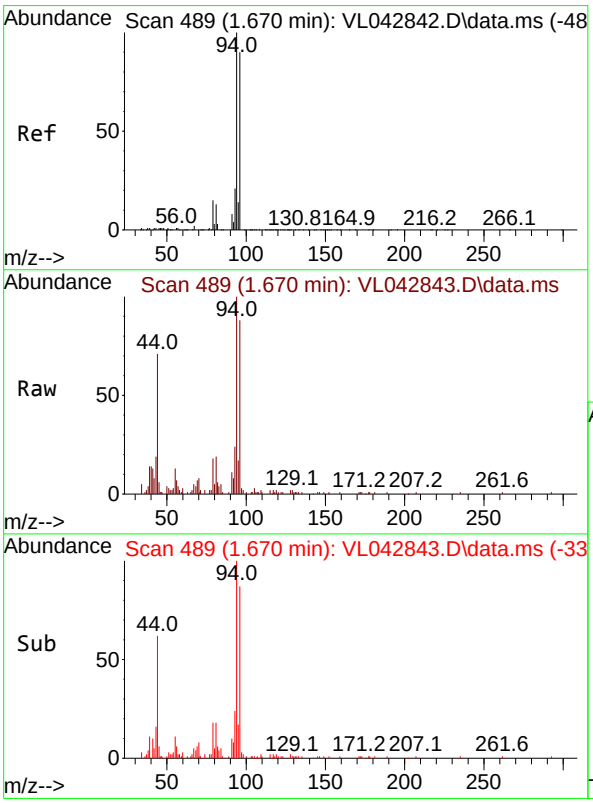
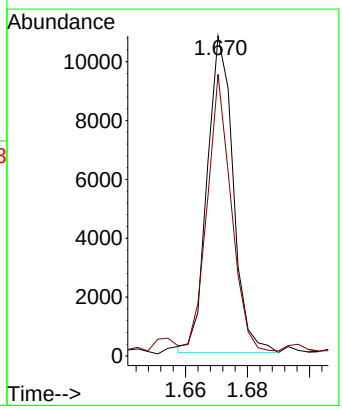
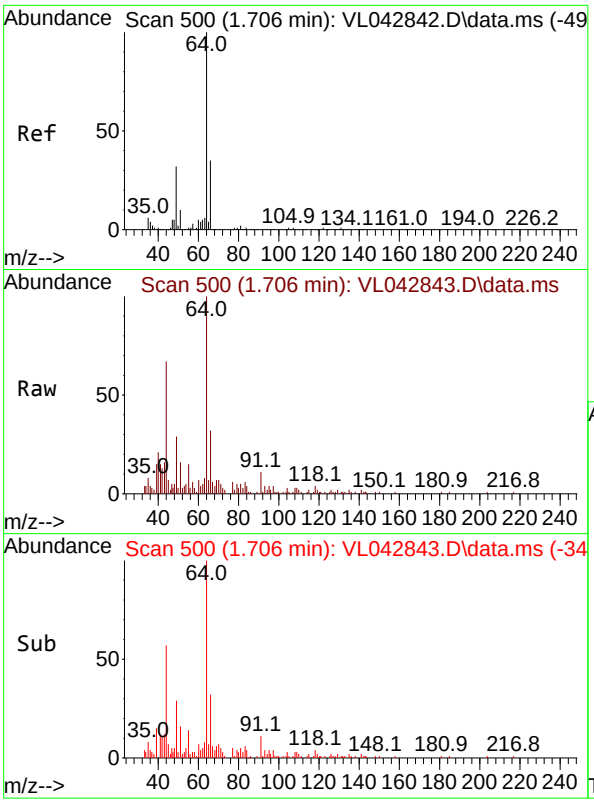


#6
Bromomethane
Concen: 2.055 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 94 Resp: 6248

Ion	Ratio	Lower	Upper
94	100		
96	87.4	72.1	108.1

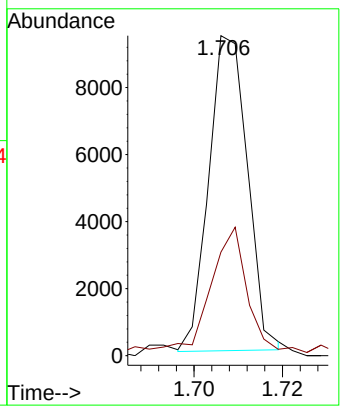




#7
Chloroethane
Concen: 1.925 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 64 Resp: 571

Ion	Ratio	Lower	Upper
64	100		
66	32.3	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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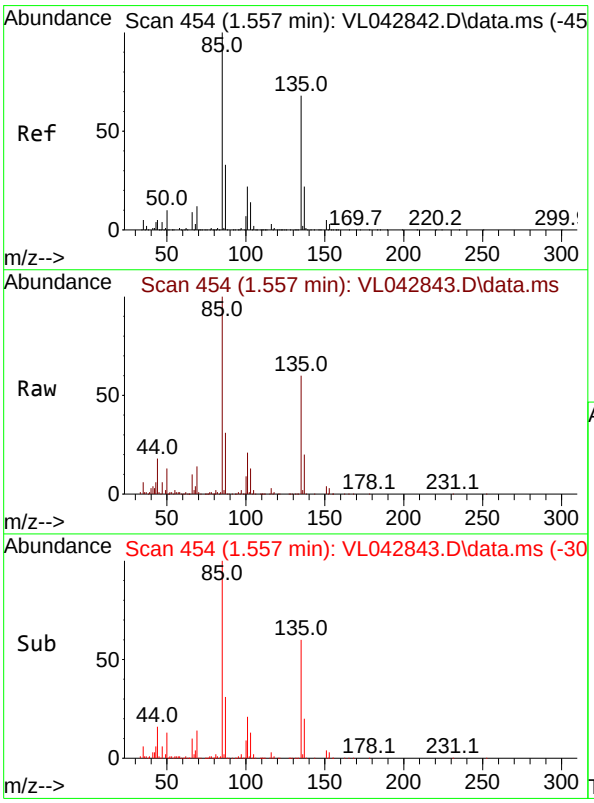
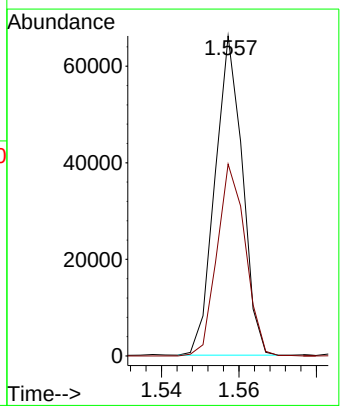
Supervised By :Mahesh Dadoda 08/18/2025

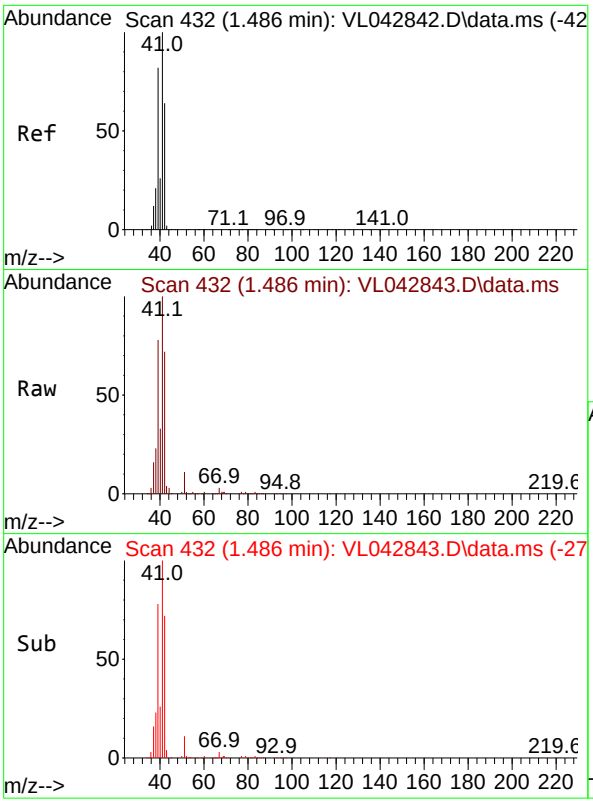


#8
Dichlorotetrafluoroethane
Concen: 2.075 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 85 Resp: 32496

Ion	Ratio	Lower	Upper
85	100		
135	62.7	51.2	76.8

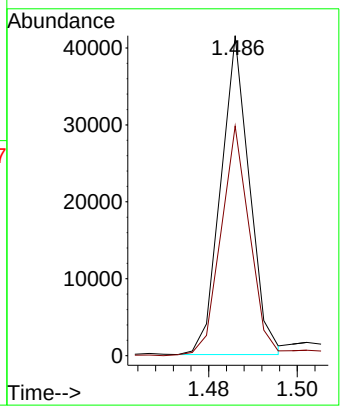




#9
Propene
Concen: 2.045 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 41 Resp: 1867

Ion	Ratio	Lower	Upper
41	100		
42	74.8	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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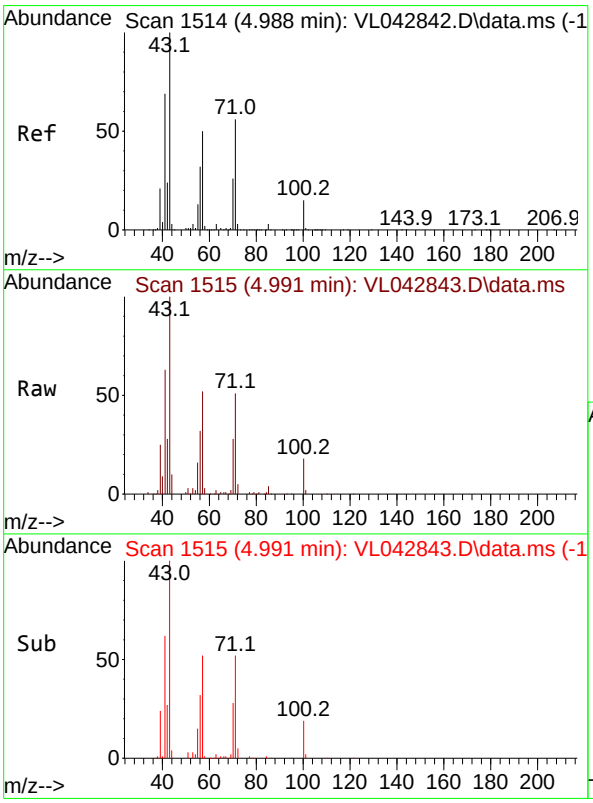
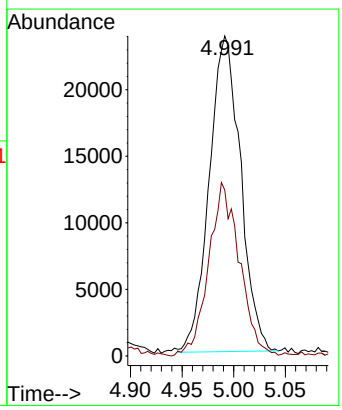
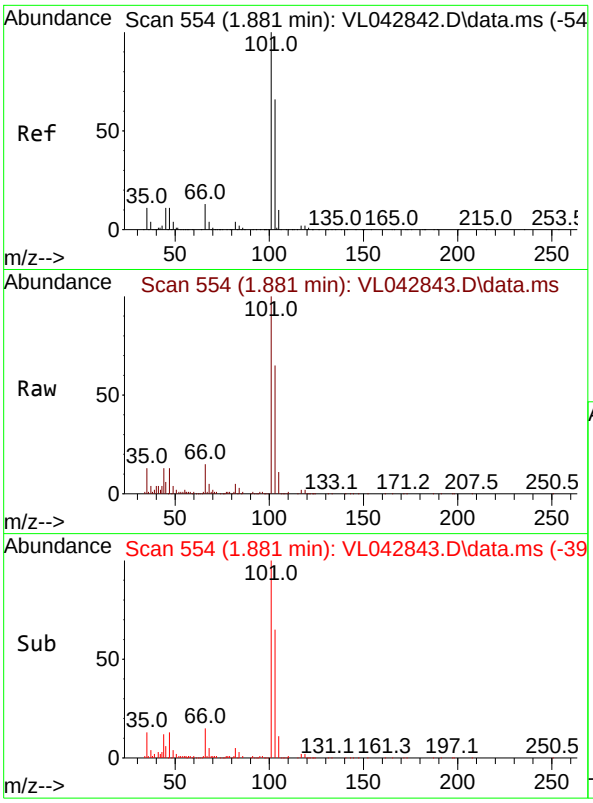


#10
Heptane
Concen: 2.050 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 50062

Ion	Ratio	Lower	Upper
43	100		
57	54.1	41.4	62.0

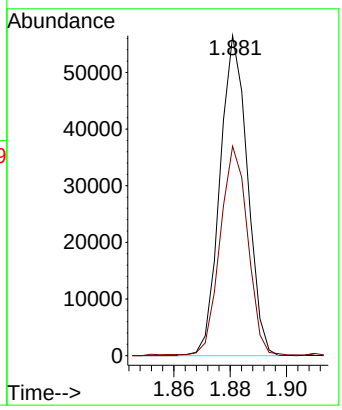




#11
Trichlorofluoromethane
Concen: 2.029 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:101 Resp: 3830

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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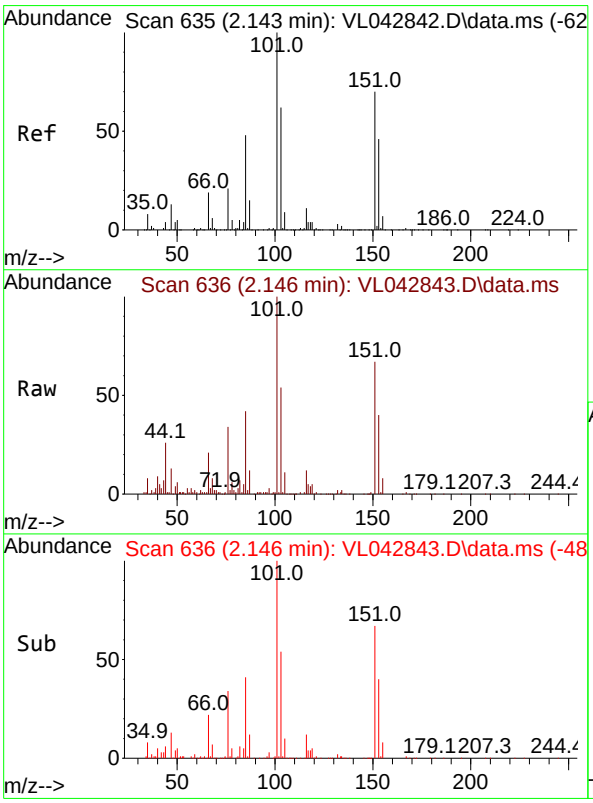
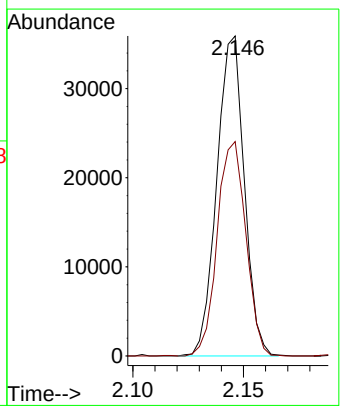
Supervised By :Mahesh Dadoda 08/18/2025

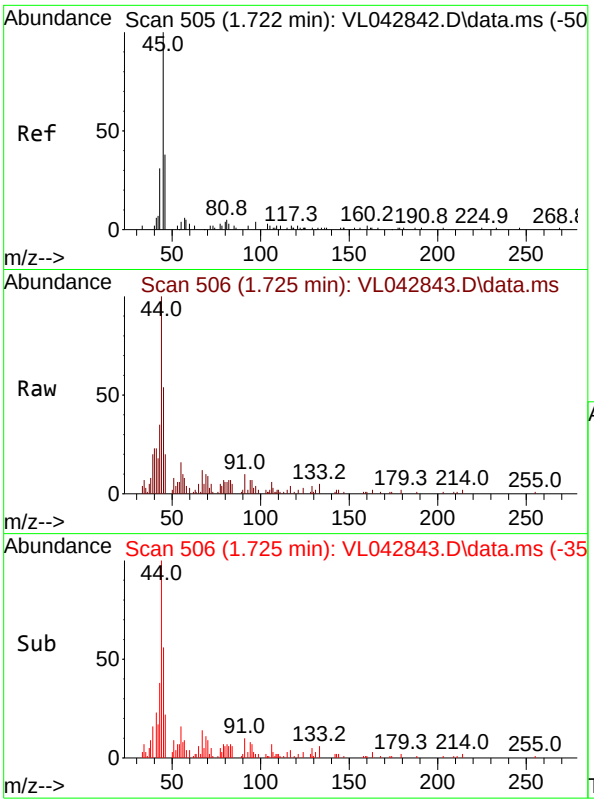


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.064 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:101 Resp: 31052

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6

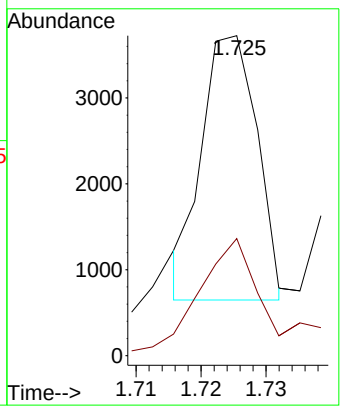




#13
Ethanol
Concen: 2.008 ppbv m
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 45 Resp: 181

Ion	Ratio	Lower	Upper
45	100		
46	60.5	17.5	69.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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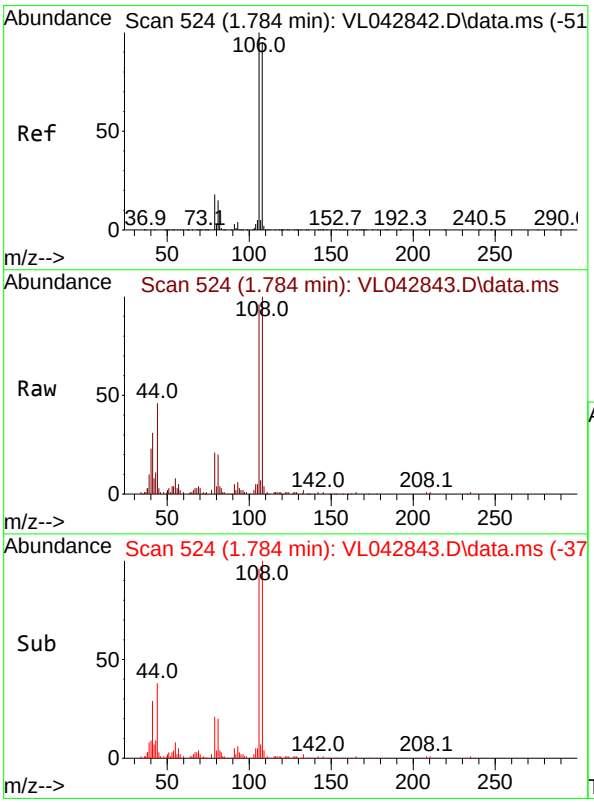
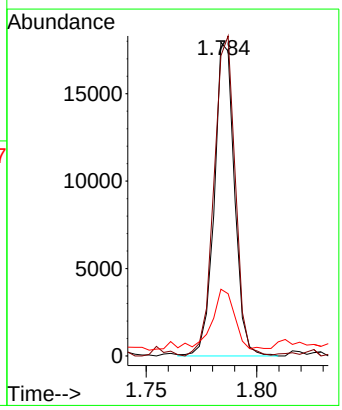
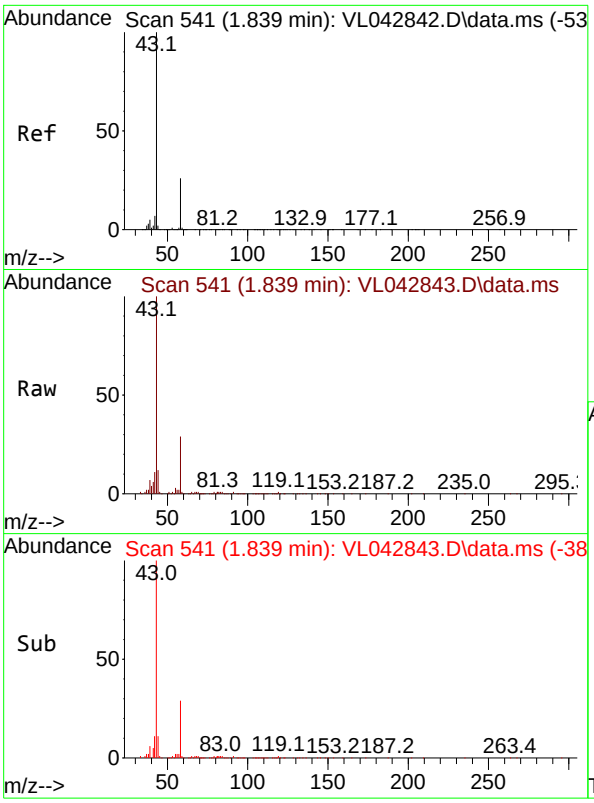


#14
Bromoethene
Concen: 2.089 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:108 Resp: 11376

Ion	Ratio	Lower	Upper
108	100		
106	110.8	85.1	127.7
79	22.6	16.3	24.5

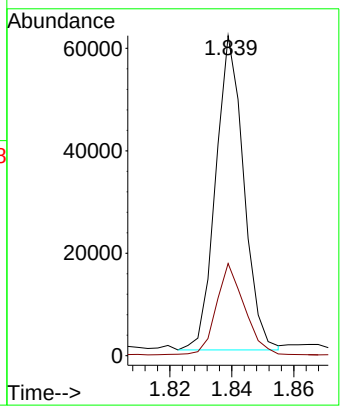




#15
Acetone
Concen: 2.231 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 3853

Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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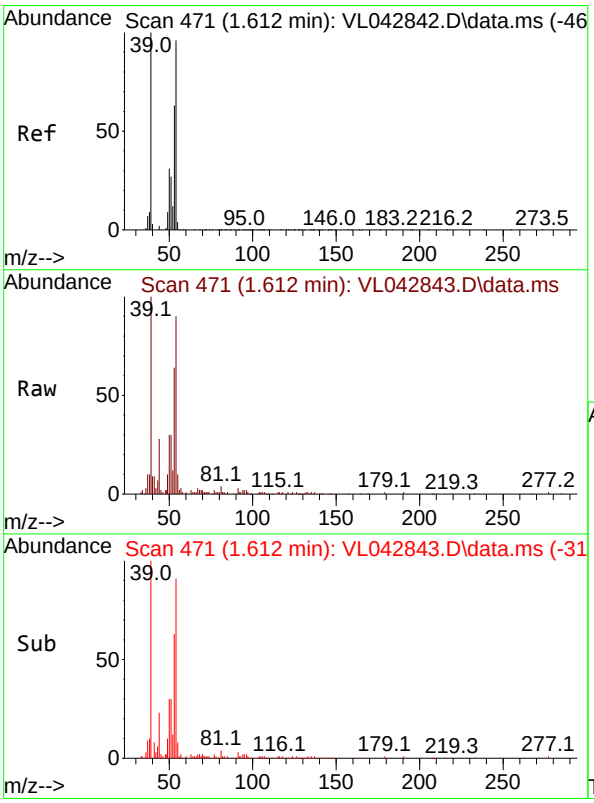
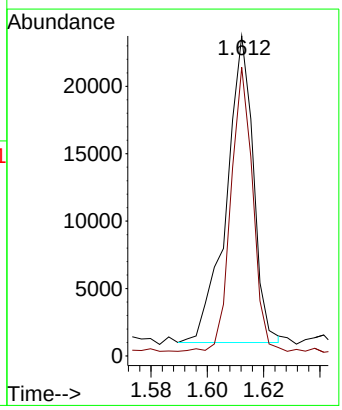
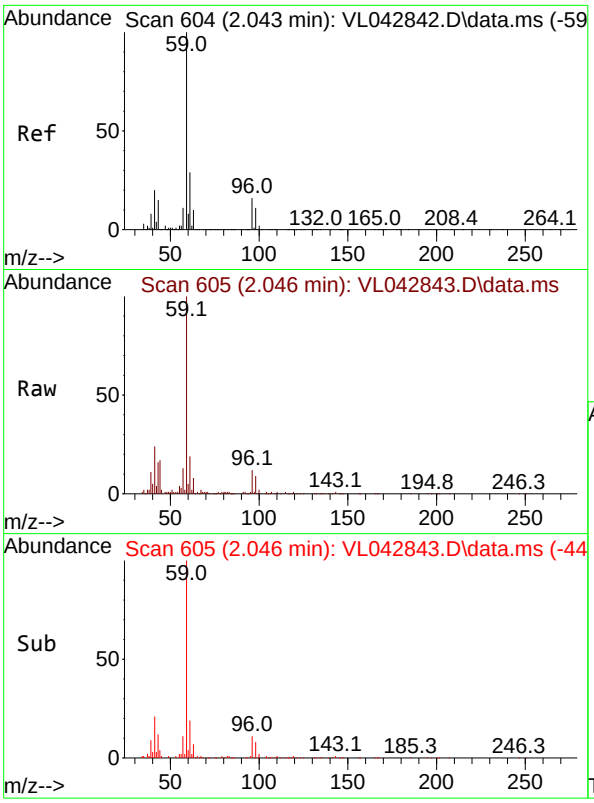


#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 39 Resp: 15122

Ion	Ratio	Lower	Upper
39	100		
54	80.8	63.6	95.4





#17
tert-Butyl alcohol
Concen: 1.985 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 59 Resp: 4065

Ion	Ratio	Lower	Upper
59	100		
57	12.4	9.0	13.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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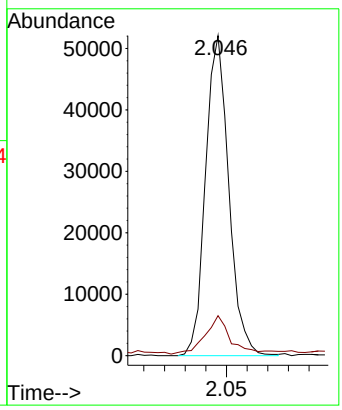
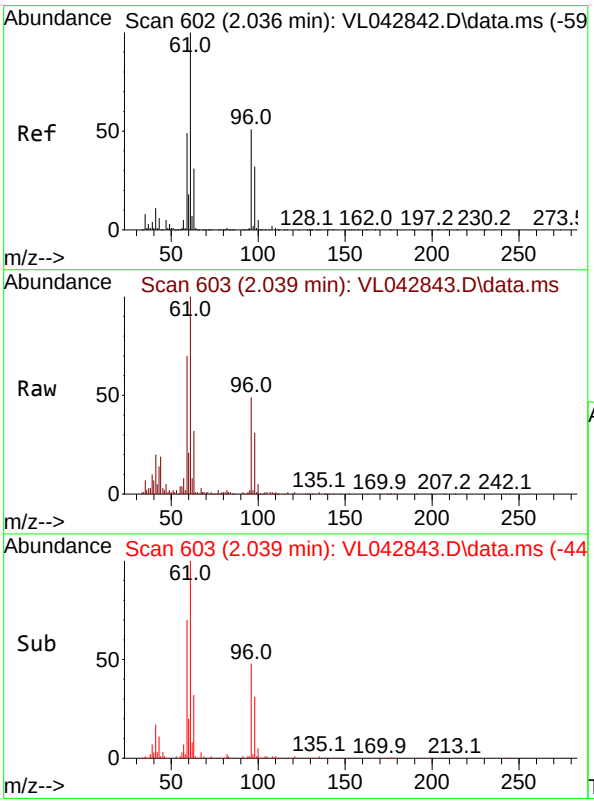
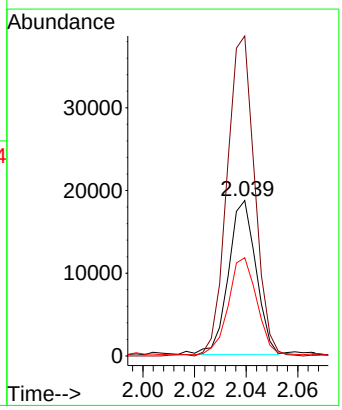


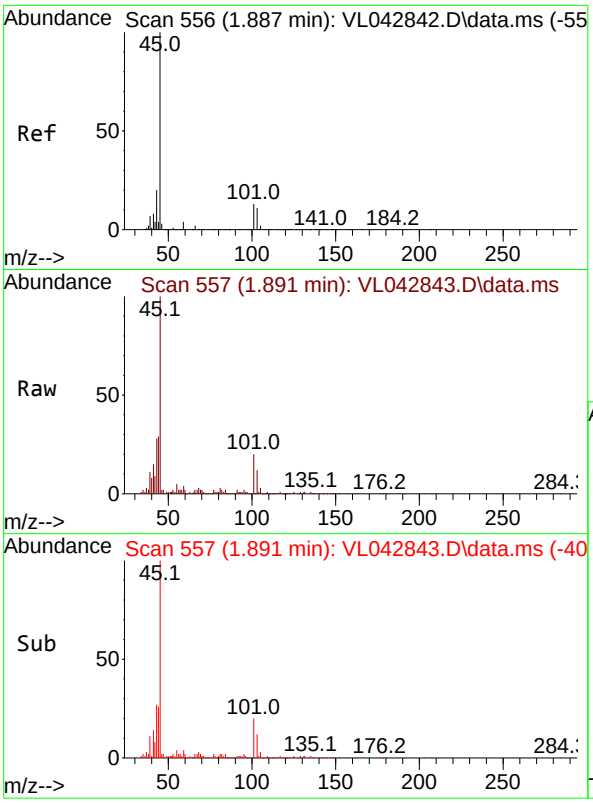


#18
1,1-Dichloroethene
Concen: 2.099 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 13883

Ion	Ratio	Lower	Upper
96	100		
61	207.1	158.2	237.4
98	62.6	50.6	76.0

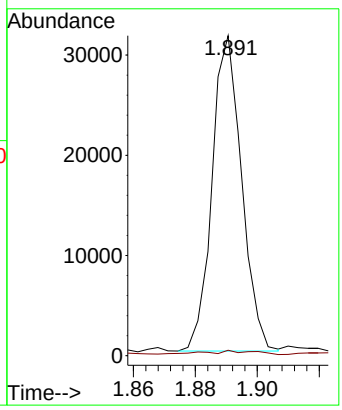




#19
Isopropyl Alcohol
Concen: 2.023 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 45 Resp: 2086

Ion	Ratio	Lower	Upper
45	100		
58	3.1	32.7	49.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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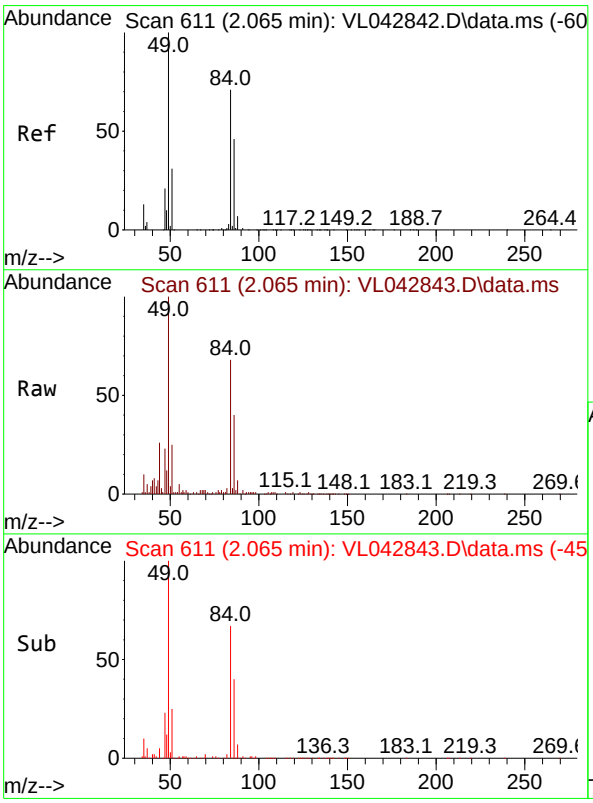
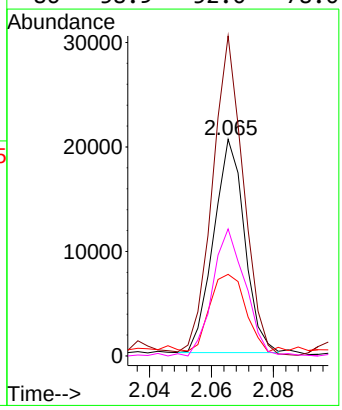
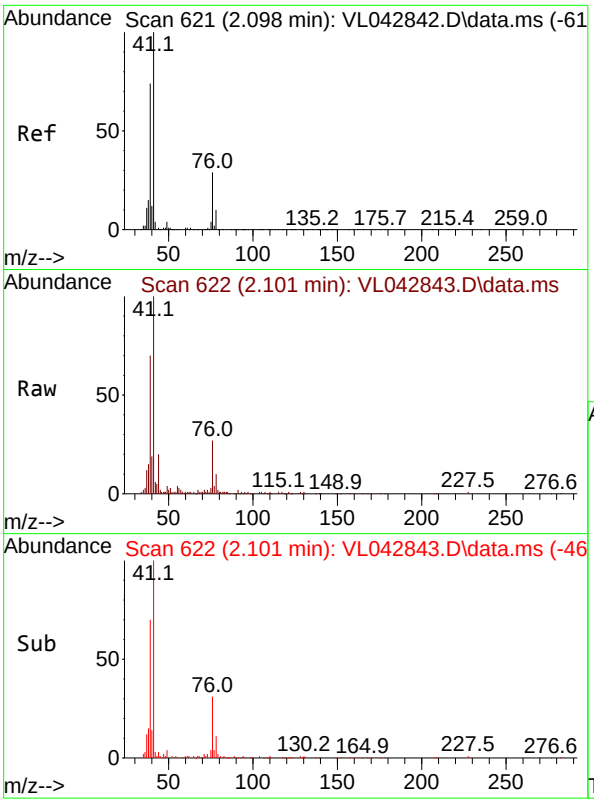


#20
Methylene Chloride
Concen: 1.963 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 84 Resp: 14204

Ion	Ratio	Lower	Upper
84	100		
49	148.1	112.3	168.5
51	35.3	36.0	54.0#
86	58.9	52.0	78.0

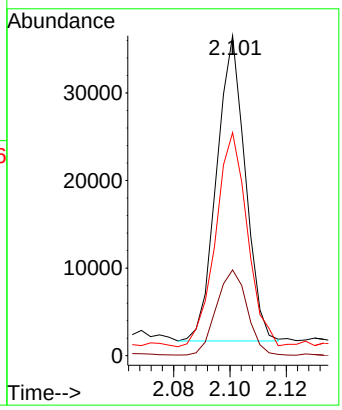




#21
Allyl Chloride
Concen: 2.021 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 41 Resp: 2466

Ion	Ratio	Lower	Upper
41	100		
76	31.2	23.9	35.9
39	76.0	57.8	86.6



Instrument :
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ClientSampleId :
VSTDICC002

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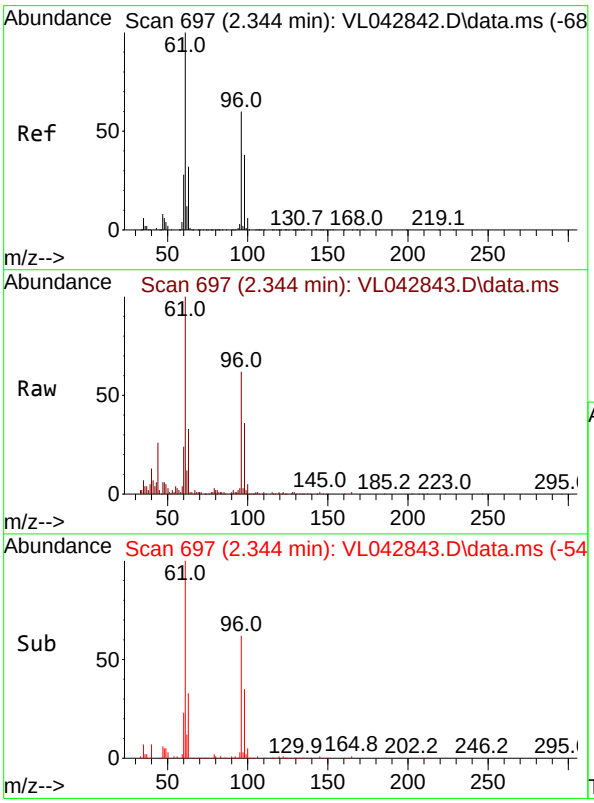
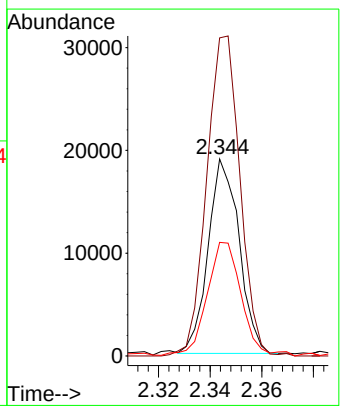
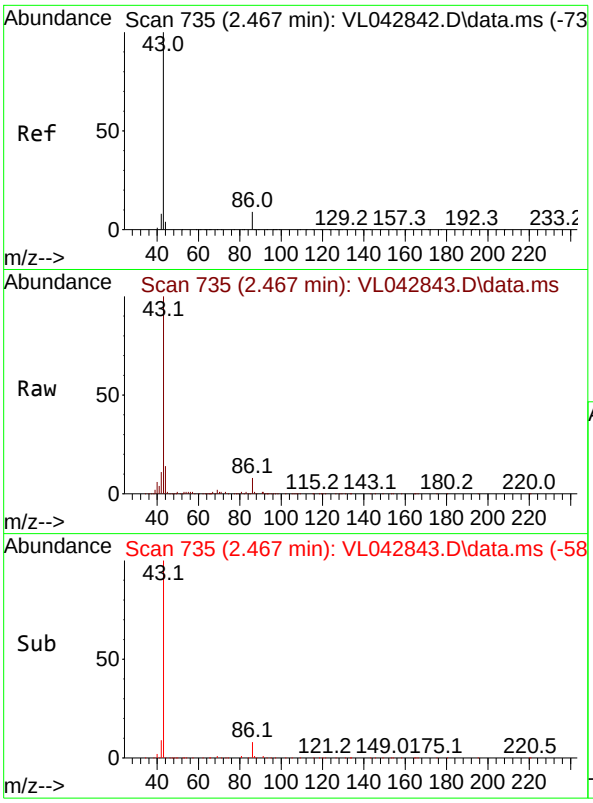


#22
trans-1,2-Dichloroethene
Concen: 2.132 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 15773

Ion	Ratio	Lower	Upper
96	100		
61	162.8	132.6	199.0
98	56.7	50.0	75.0

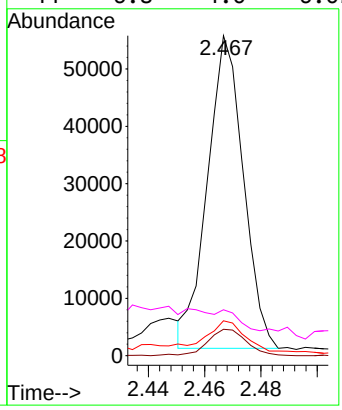




#23
Vinyl Acetate
Concen: 2.125 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 4826

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	9.7	7.0	10.6
44	6.8	4.0	6.0#



Instrument :
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ClientSampleId :
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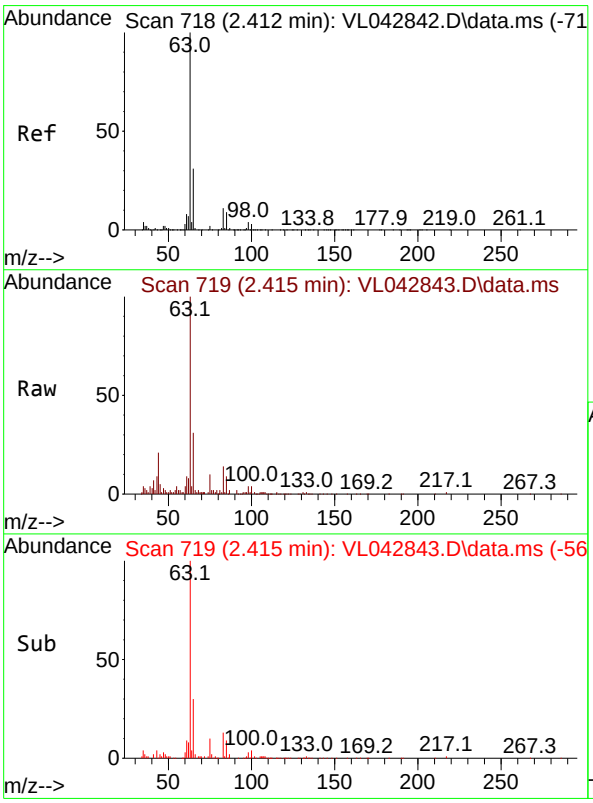
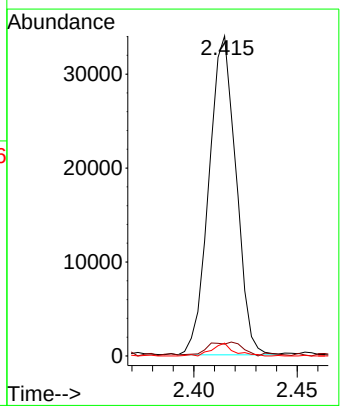
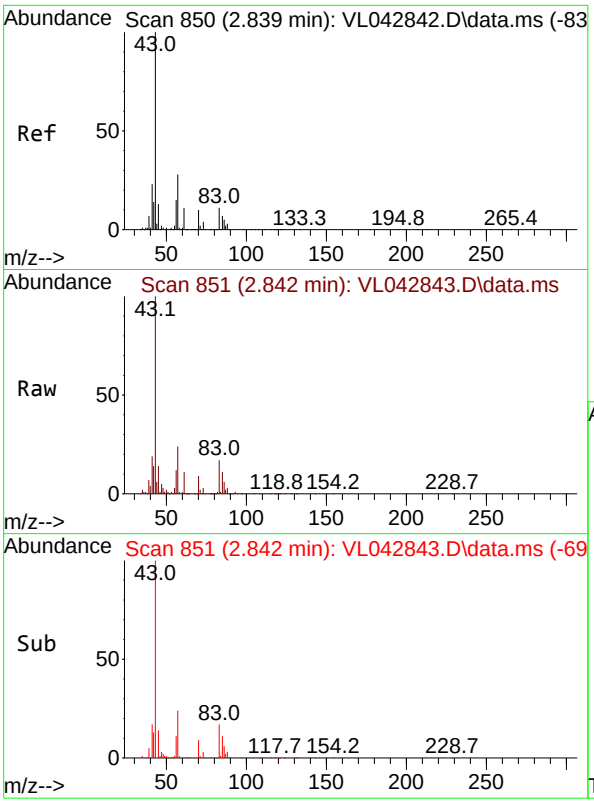


#24
1,1-Dichloroethane
Concen: 2.024 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 63 Resp: 30931

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.5
100	4.0	1.7	5.1

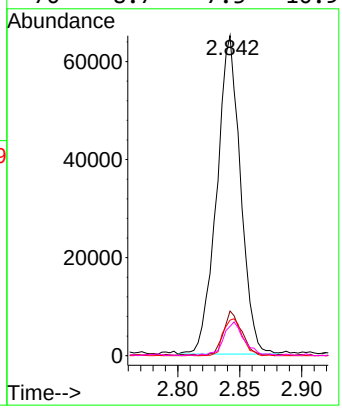




#25
Ethyl Acetate
Concen: 2.077 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 8680

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.1	12.1
61	9.4	7.4	11.2
70	8.7	7.3	10.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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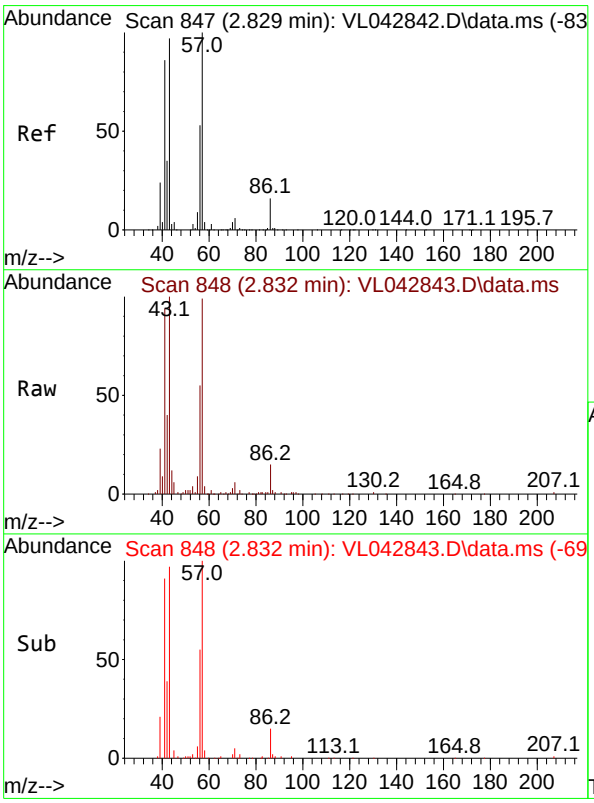
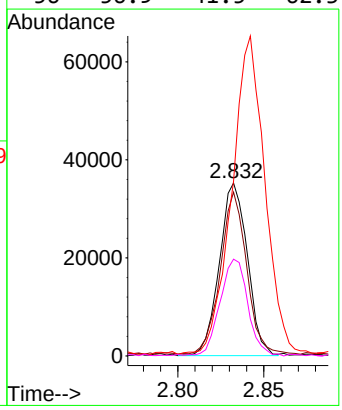
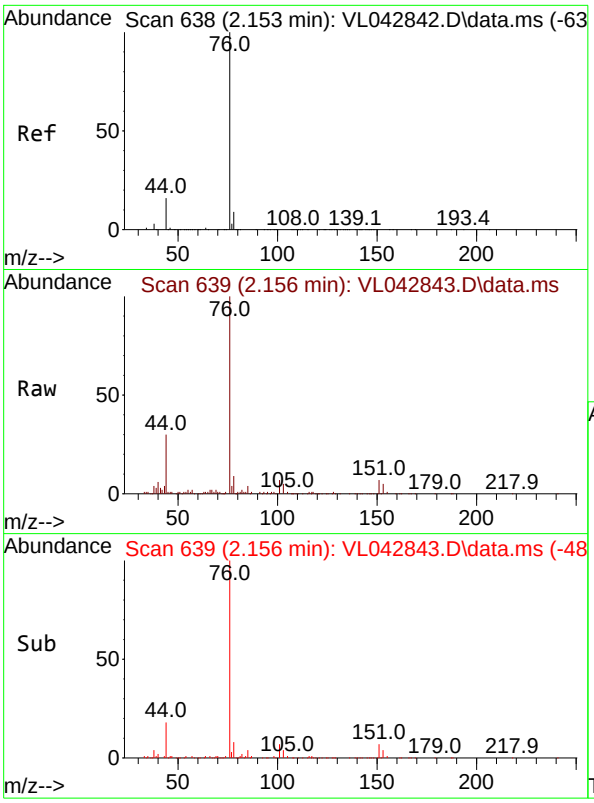


#26
Hexane
Concen: 2.060 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 57 Resp: 39735

Ion	Ratio	Lower	Upper
57	100		
41	90.3	68.6	103.0
43	219.4	168.5	252.7
56	56.9	41.5	62.3

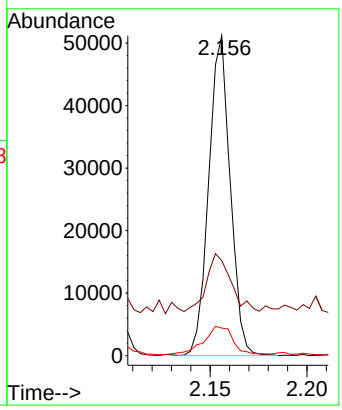




#27
Carbon Disulfide
Concen: 2.102 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 76 Resp: 3946

Ion	Ratio	Lower	Upper
76	100		
44	81.0	15.9	23.9#
78	13.8	9.5	14.3



Instrument :
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ClientSampleId :
VSTDICC002

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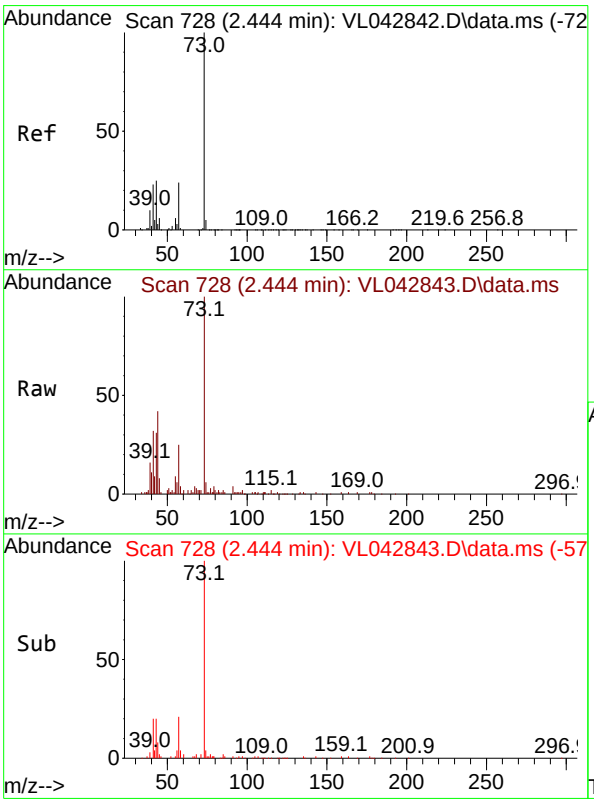
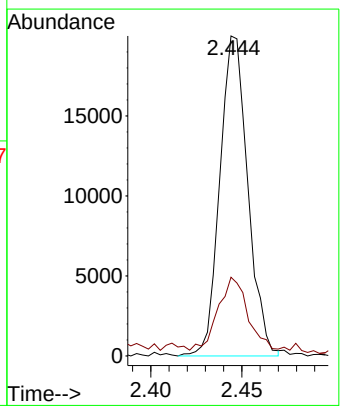
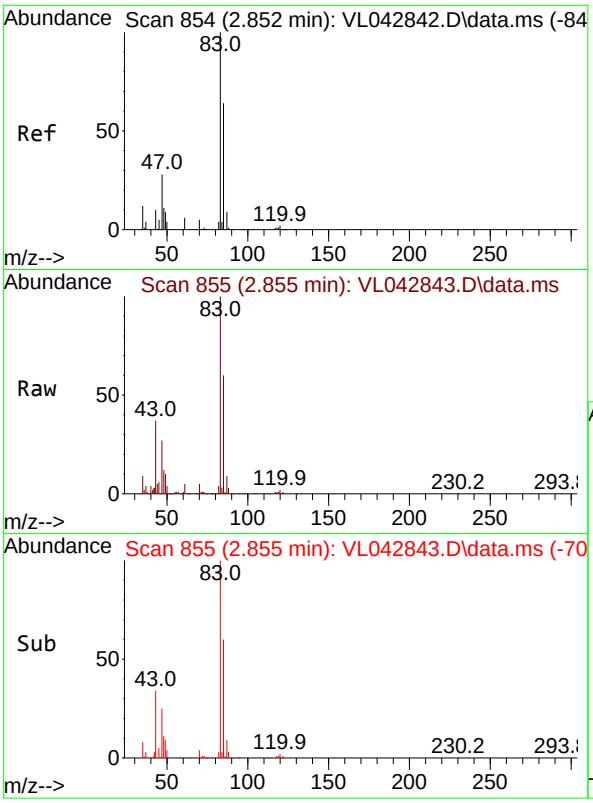


#28
Methyl tert-Butyl Ether
Concen: 2.169 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 73 Resp: 21341

Ion	Ratio	Lower	Upper
73	100		
57	24.8	21.6	32.4





#29
Chloroform
Concen: 2.053 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 83 Resp: 5655

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.1	76.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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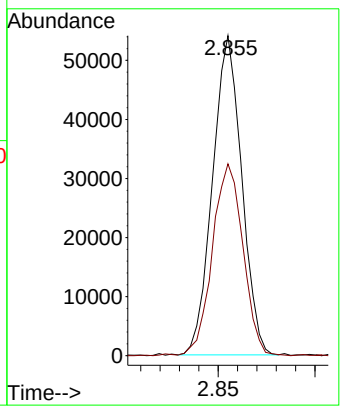
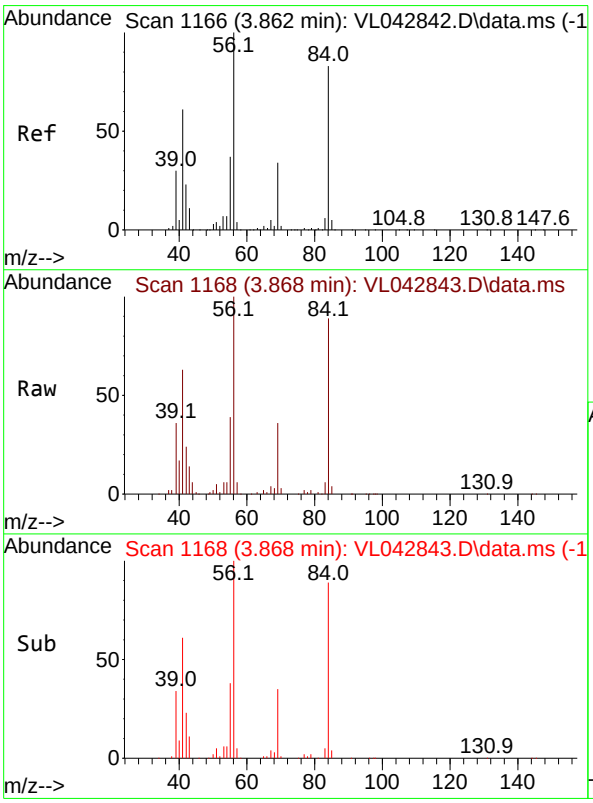
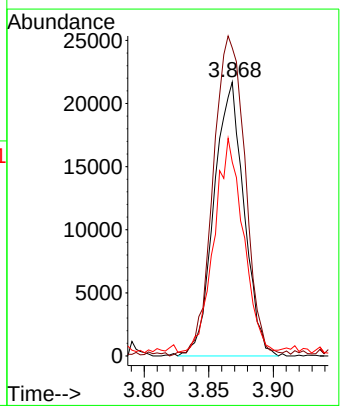


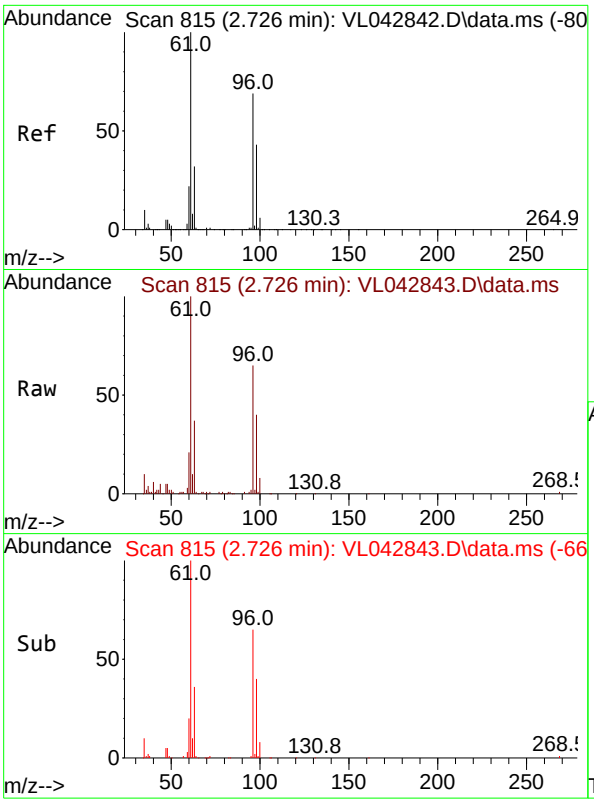


#30
Cyclohexane
Concen: 2.069 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 84 Resp: 34992

Ion	Ratio	Lower	Upper
84	100		
56	123.9	98.8	148.2
41	79.6	61.3	91.9





#31
cis-1,2-Dichloroethene
Concen: 2.062 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 61 Resp: 3978

Ion	Ratio	Lower	Upper
61	100		
96	64.8	55.0	82.6
98	39.9	34.3	51.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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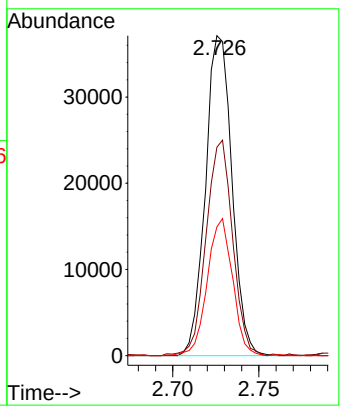
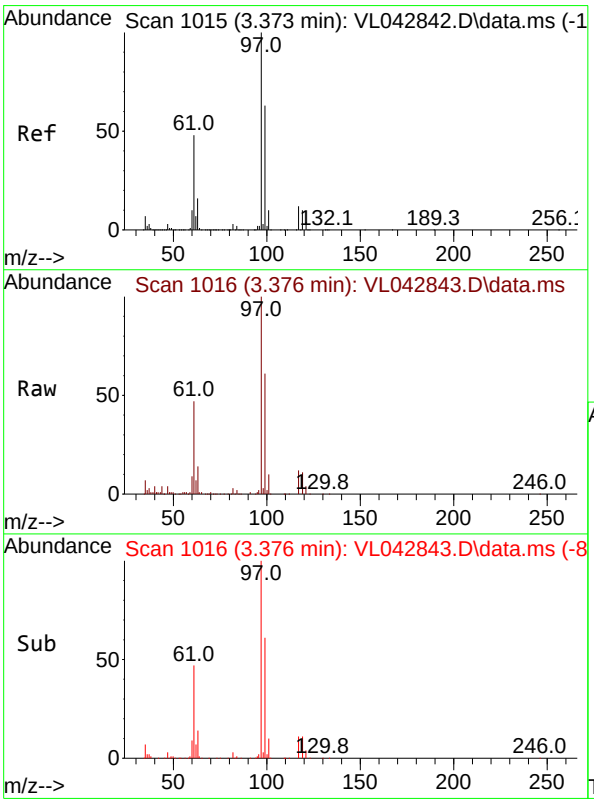
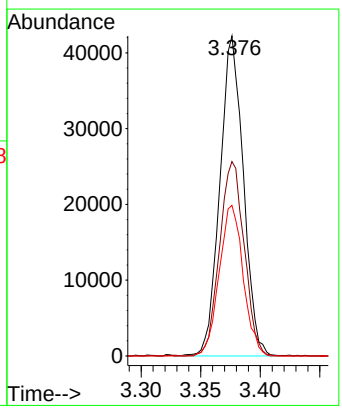


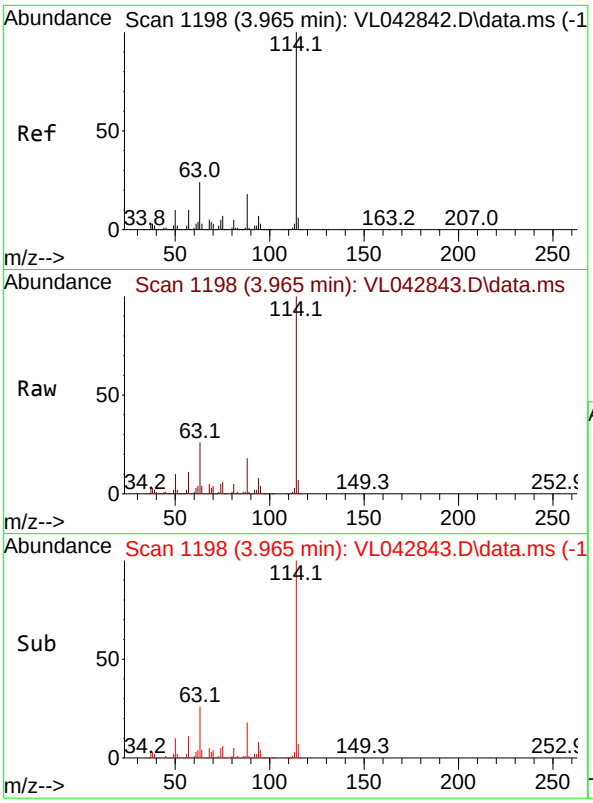


#32
1,1,1-Trichloroethane
Concen: 1.983 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 97 Resp: 57837

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	48.1	38.0	57.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:114 Resp: 40814

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.7	29.5
88	18.1	14.4	21.6

Instrument :
MSVOA_L
ClientSampleId :
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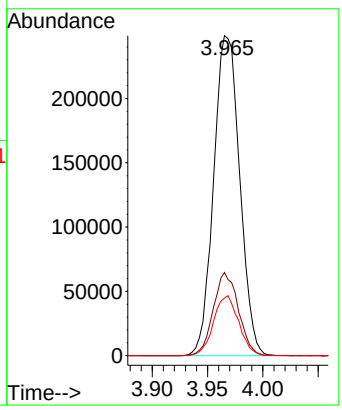
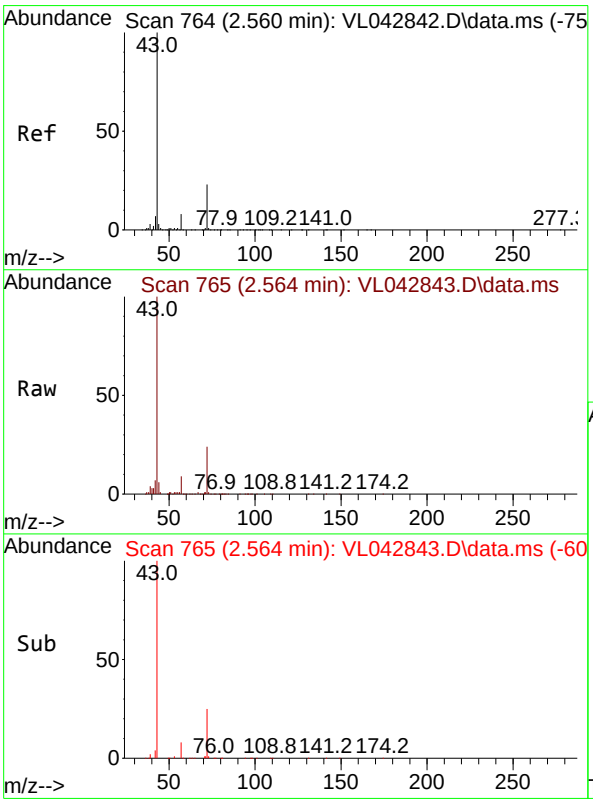
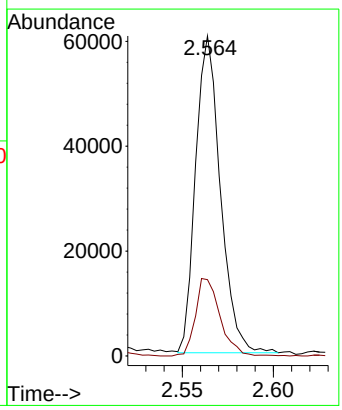


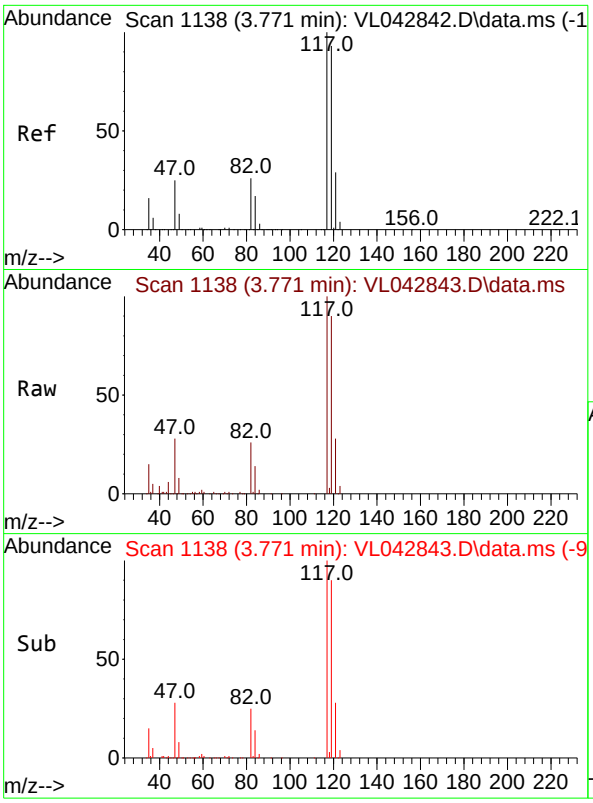


#34
2-Butanone
Concen: 2.075 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 57172

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.6	28.0

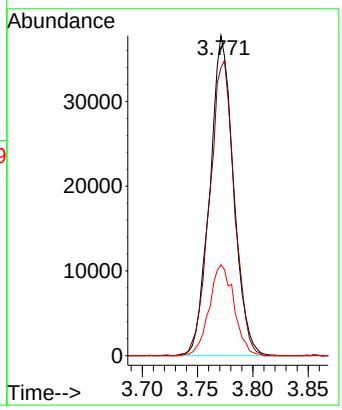




#35
Carbon Tetrachloride
Concen: 2.007 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:117 Resp: 5645

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.7	112.1
121	28.4	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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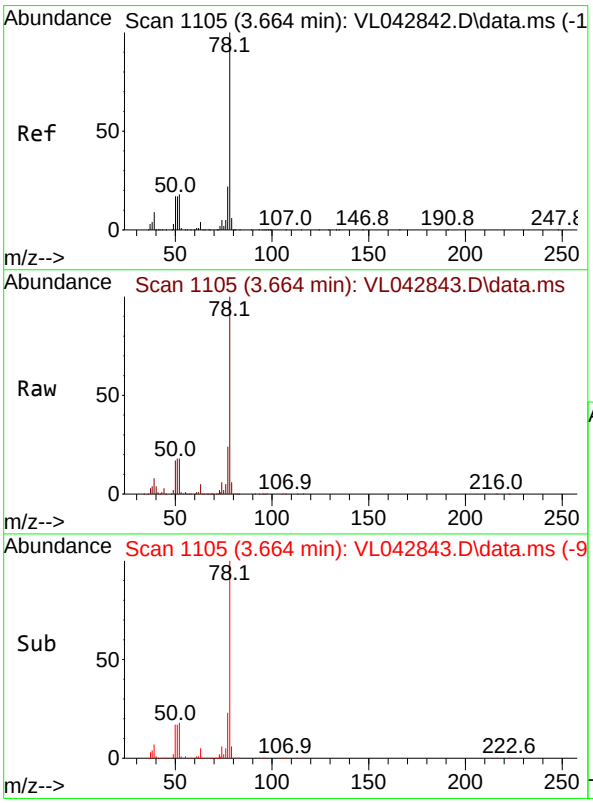
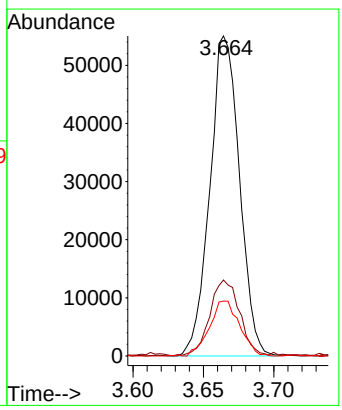
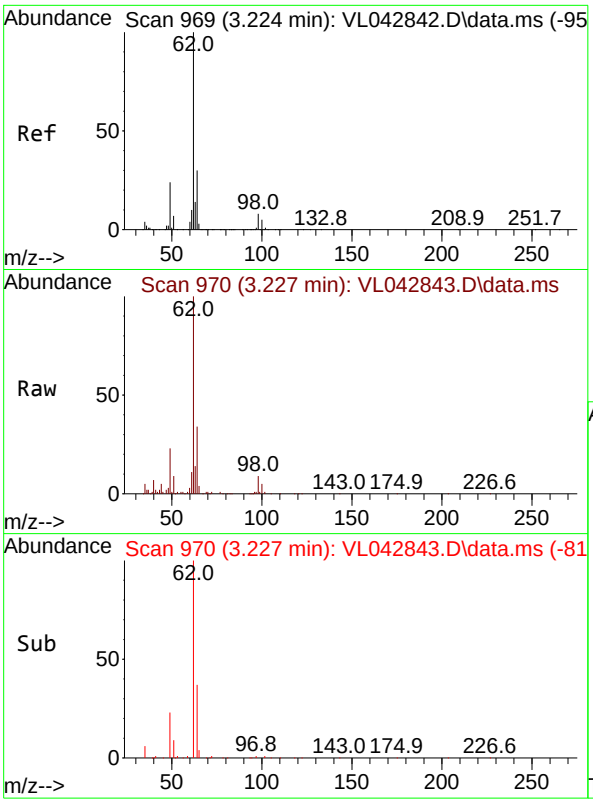


#36
Benzene
Concen: 2.067 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 78 Resp: 80781

Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.7	26.5
50	17.2	13.9	20.9

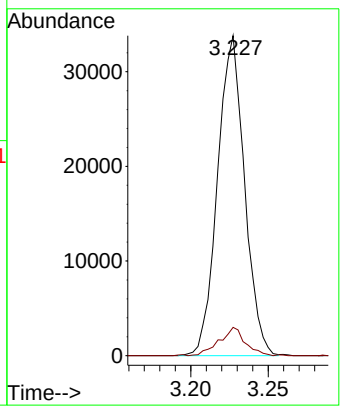




#37
1,2-Dichloroethane
Concen: 2.010 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 62 Resp: 4103

Ion	Ratio	Lower	Upper
62	100		
98	8.6	5.9	8.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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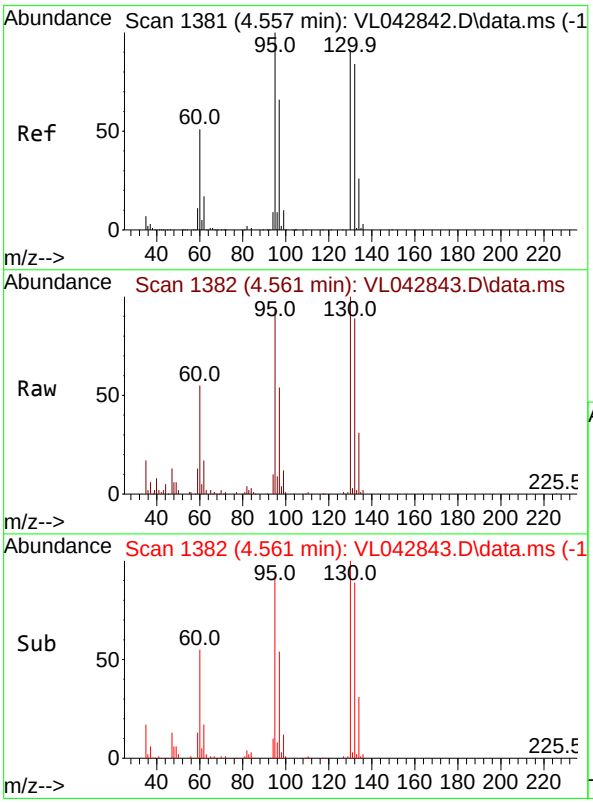
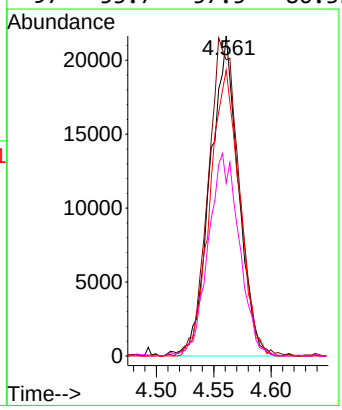
Supervised By :Mahesh Dadoda 08/18/2025

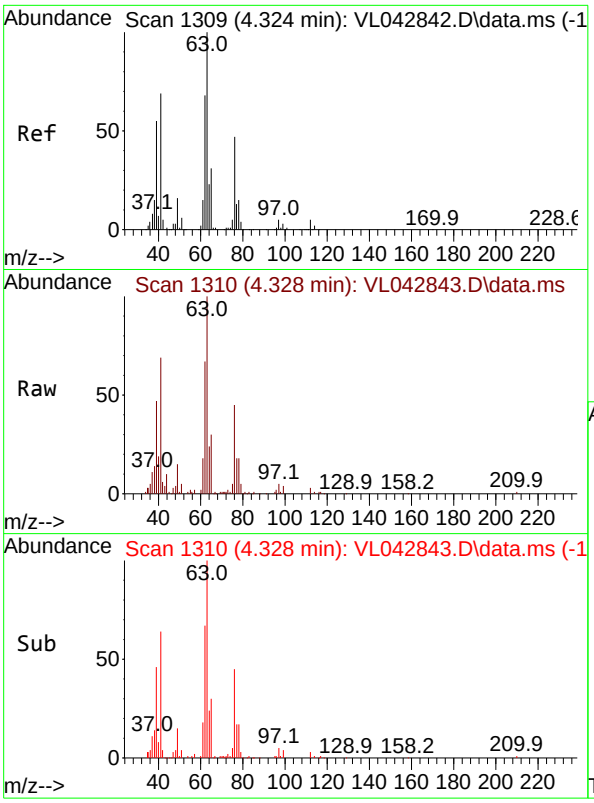


#38
Trichloroethene
Concen: 2.072 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:130 Resp: 36990

Ion	Ratio	Lower	Upper
130	100		
95	91.5	87.6	131.4
132	89.3	73.8	110.8
97	53.7	57.5	86.3#

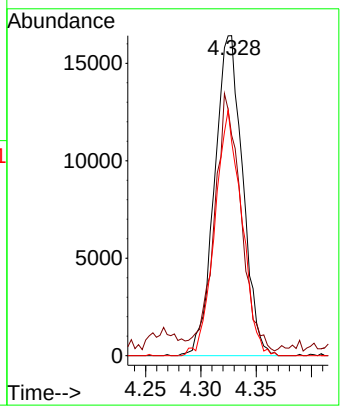




#39
1,2-Dichloropropane
Concen: 2.036 ppbv
RT: 4.328 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 63 Resp: 2905

Ion	Ratio	Lower	Upper
63	100		
41	66.8	55.0	82.4
62	66.9	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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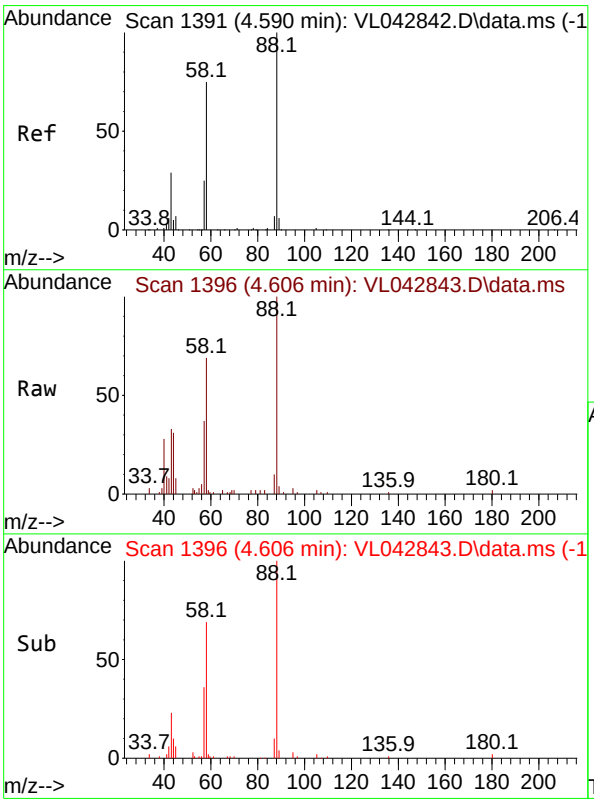
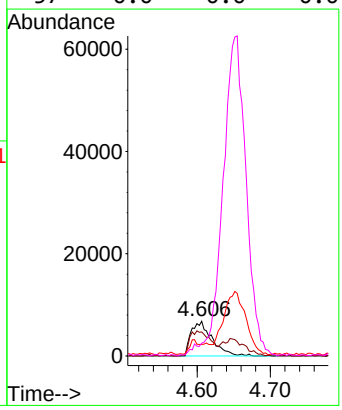
Supervised By :Mahesh Dadoda 08/18/2025

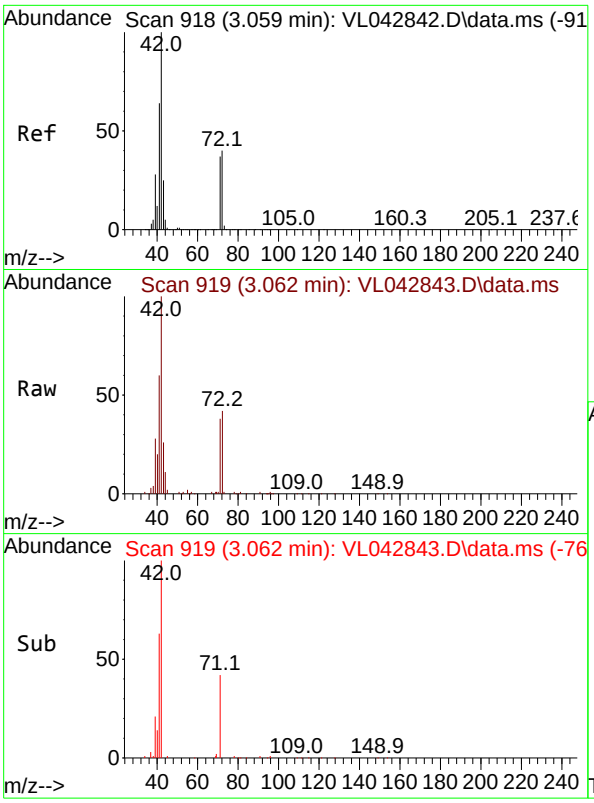


#40
1,4-Dioxane
Concen: 2.022 ppbv m
RT: 4.606 min Scan# 1396
Delta R.T. 0.016 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 88 Resp: 13510

Ion	Ratio	Lower	Upper
88	100		
58	69.3	53.8	80.6
43	0.0	22.8	34.2#
57	0.0	0.0	0.0

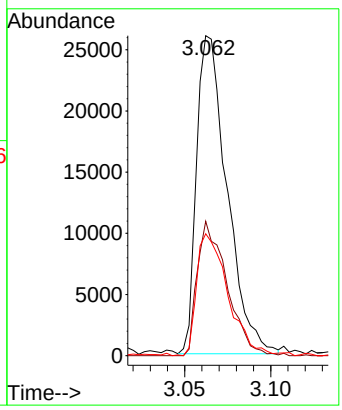




#41
Tetrahydrofuran
Concen: 2.082 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 42 Resp: 3199

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.6	48.8
71	40.1	30.0	45.0



Instrument :
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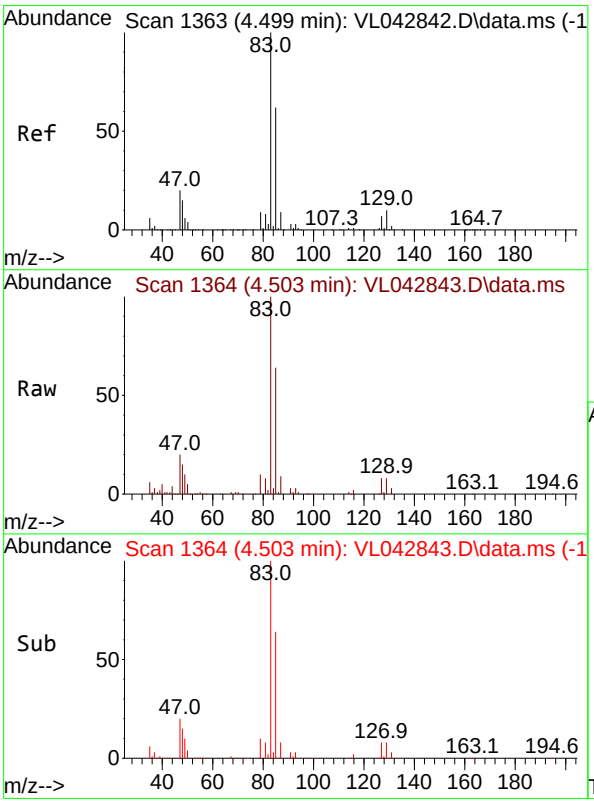
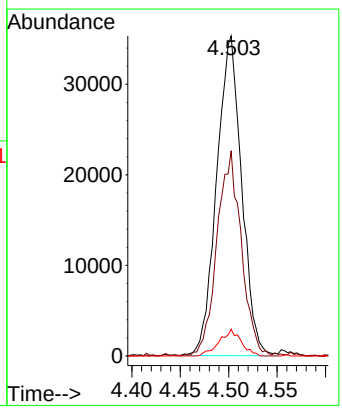
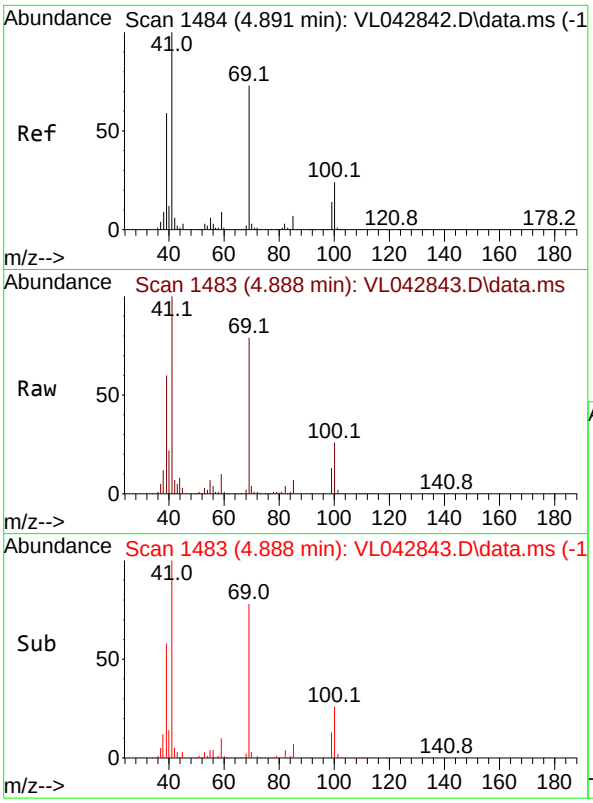


#42
Bromodichloromethane
Concen: 2.085 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 83 Resp: 63436

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.8	74.8
127	8.4	5.8	8.6

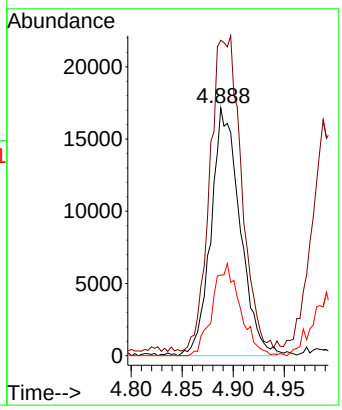




#43
Methyl Methacrylate
Concen: 2.111 ppbv m
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 69 Resp: 3385

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.6	172.0#
100	0.0	30.2	45.4#



Instrument :
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ClientSampleId :
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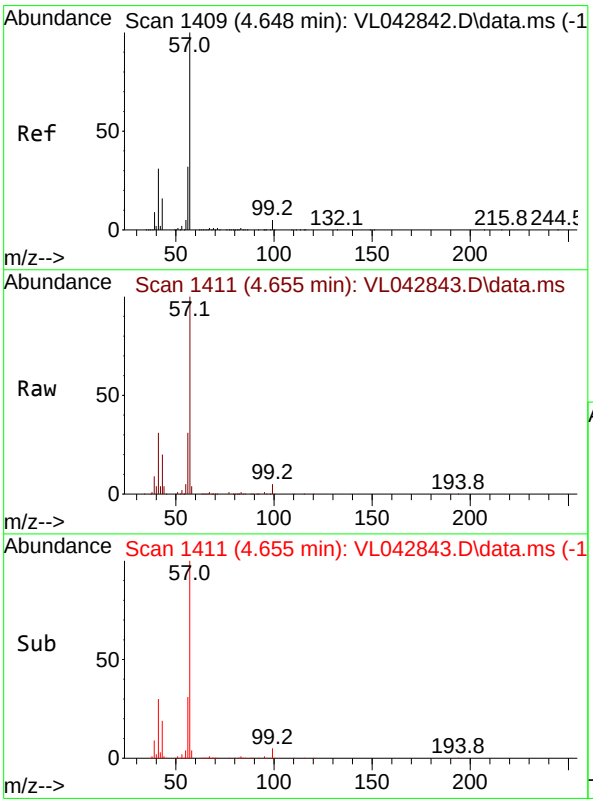
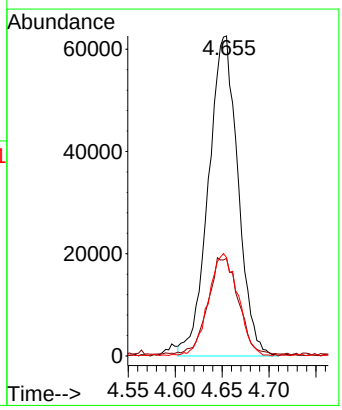
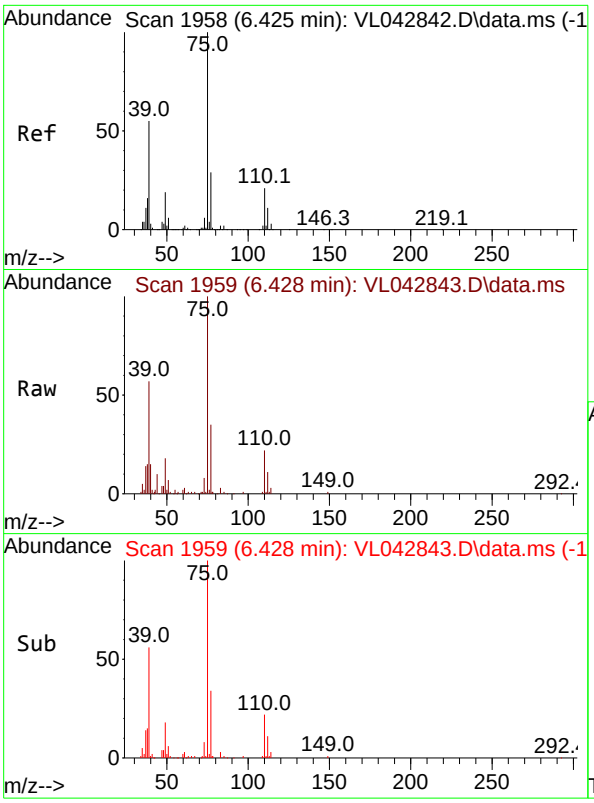


#44
2,2,4-Trimethylpentane
Concen: 2.085 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 57 Resp: 136794

Ion	Ratio	Lower	Upper
57	100		
41	32.5	24.8	37.2
56	32.6	25.5	38.3

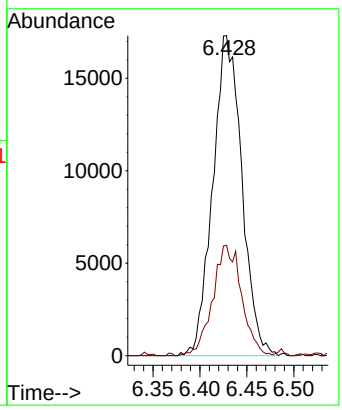




#45
t-1,3-Dichloropropene
Concen: 2.048 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 75 Resp: 3724

Ion	Ratio	Lower	Upper
75	100		
77	35.2	23.8	35.6



Instrument :
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ClientSampleId :
VSTDICC002

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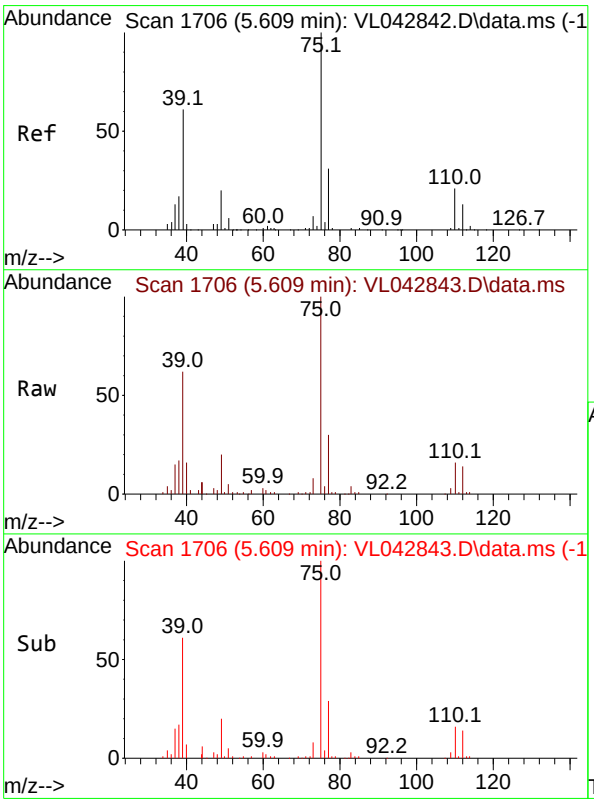
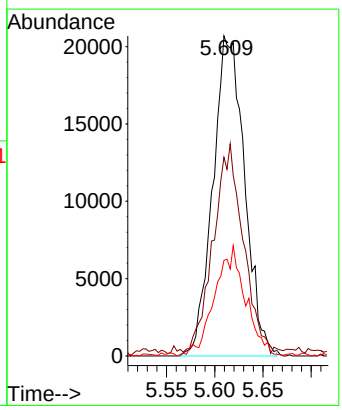
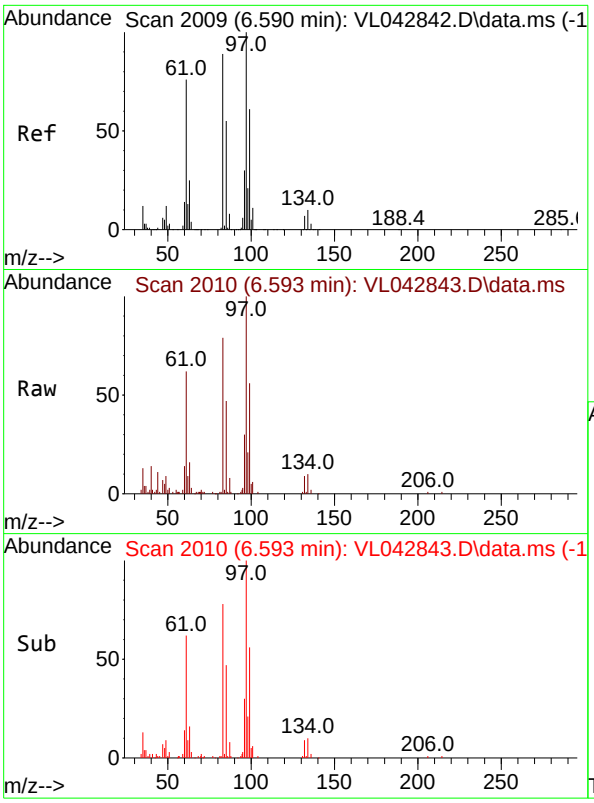


#46
cis-1,3-Dichloropropene
Concen: 2.067 ppbv m
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 75 Resp: 47201

Ion	Ratio	Lower	Upper
75	100		
39	62.1	48.9	73.3
77	29.8	24.9	37.3

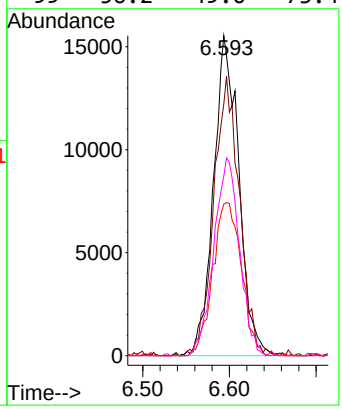




#47
1,1,2-Trichloroethane
Concen: 2.083 ppbv m
RT: 6.593 min Scan# 2(
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 97 Resp: 3147

Ion	Ratio	Lower	Upper
97	100		
83	78.7	71.0	106.4
85	47.3	43.6	65.4
99	56.2	49.0	73.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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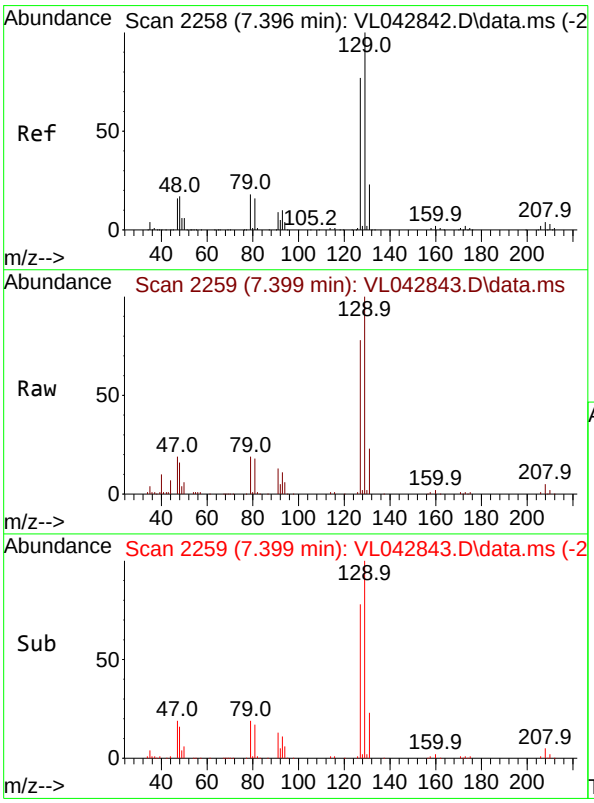
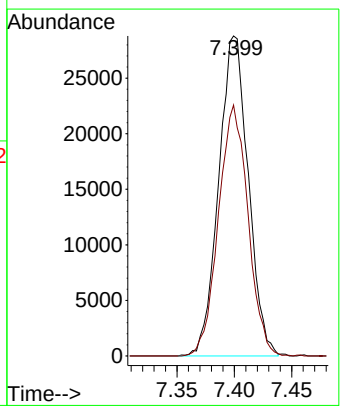
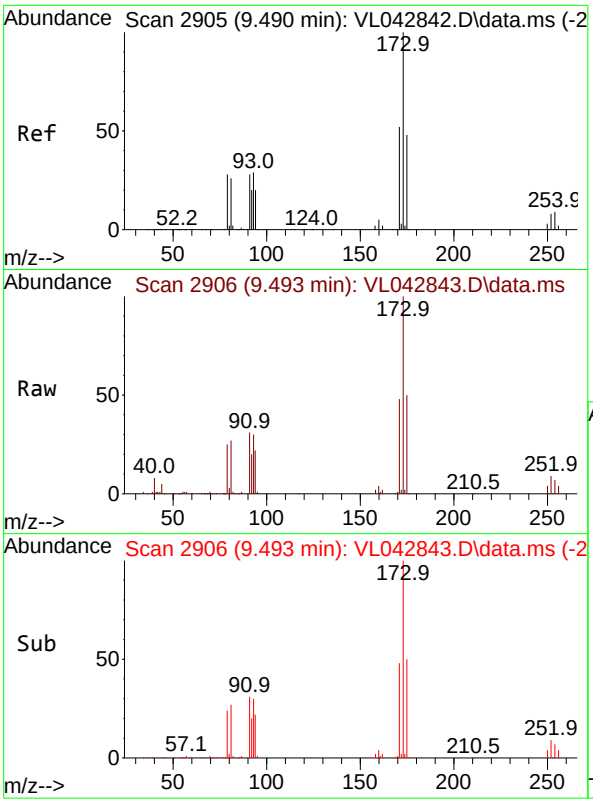


#48
Dibromochloromethane
Concen: 2.109 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:129 Resp: 51620

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2

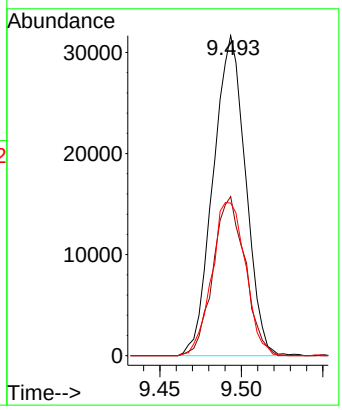




#49
Bromoform
Concen: 2.163 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:173 Resp: 4366

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.2	58.8
171	50.0	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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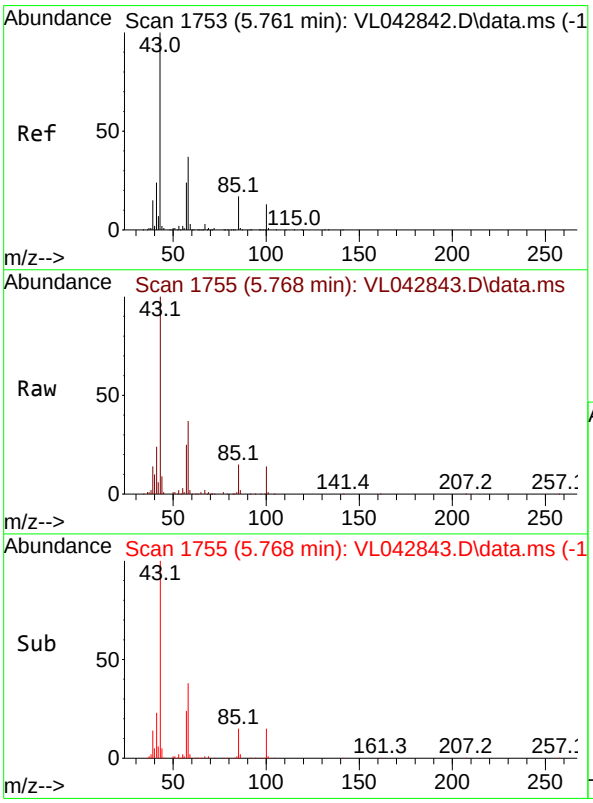
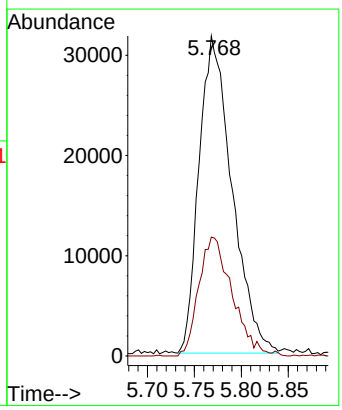
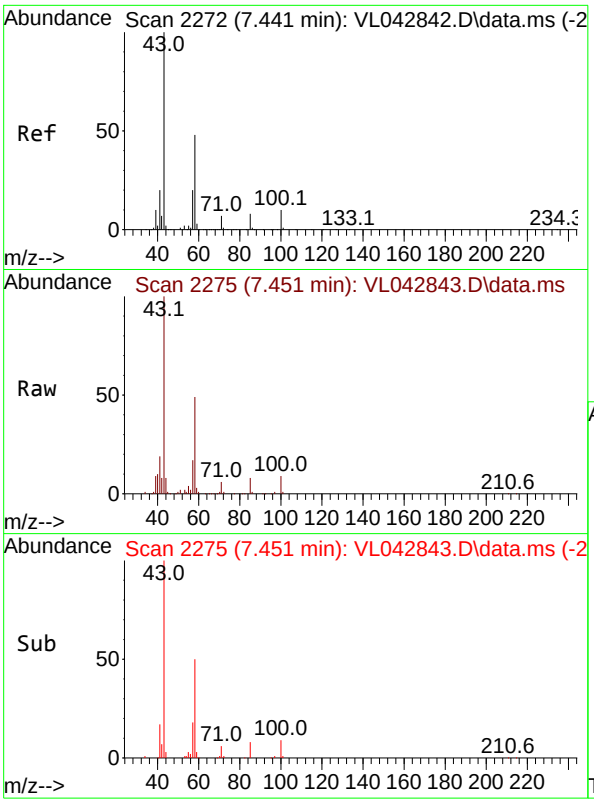


#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 77225

Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.8	44.8

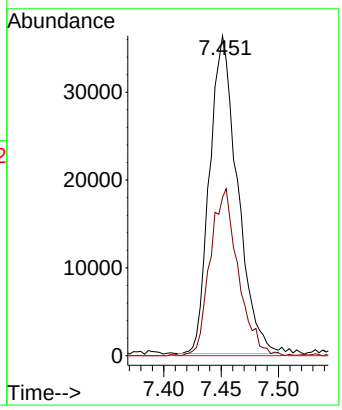




#51
2-Hexanone
Concen: 2.088 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 6121

Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.0	61.6
98	0.0	0.1	0.1#



Instrument :
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ClientSampleId :
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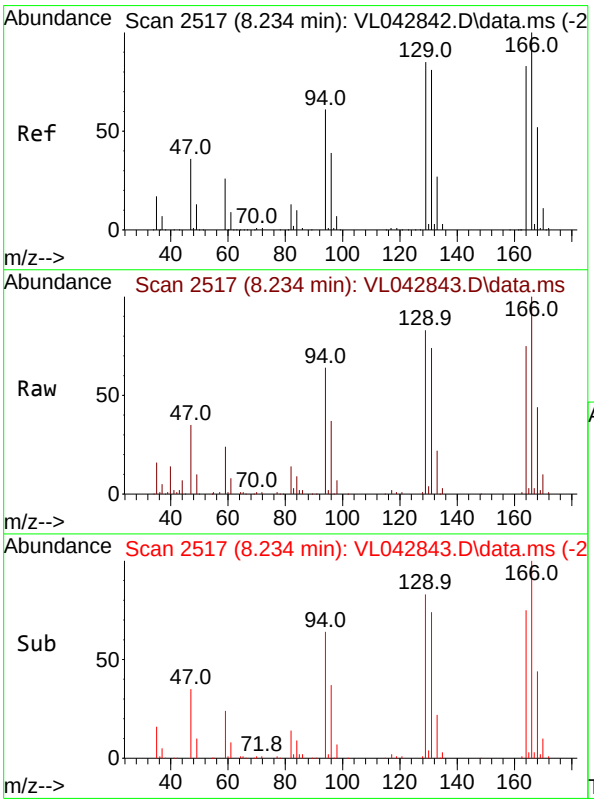
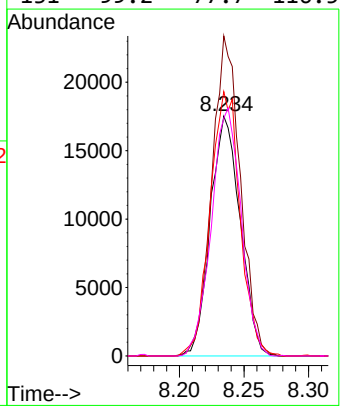
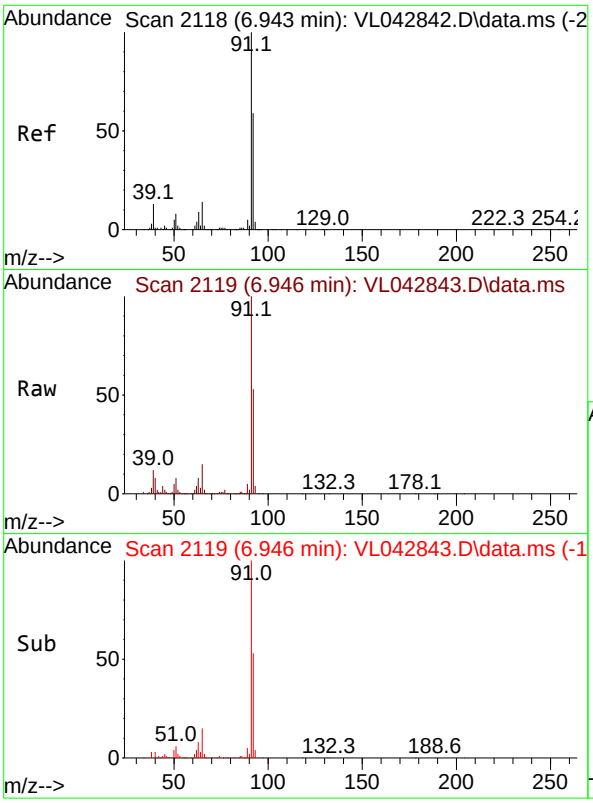


#52
Tetrachloroethene
Concen: 1.990 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:164 Resp: 28166

Ion	Ratio	Lower	Upper
164	100		
166	133.5	96.5	144.7
129	110.3	81.8	122.6
131	99.2	77.7	116.5

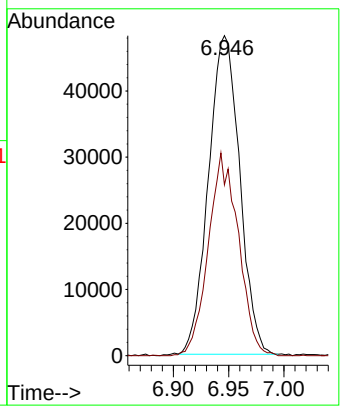




#53
Toluene
Concen: 2.036 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 9469

Ion	Ratio	Lower	Upper
91	100		
92	61.1	47.8	71.6



Instrument :
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ClientSampleId :
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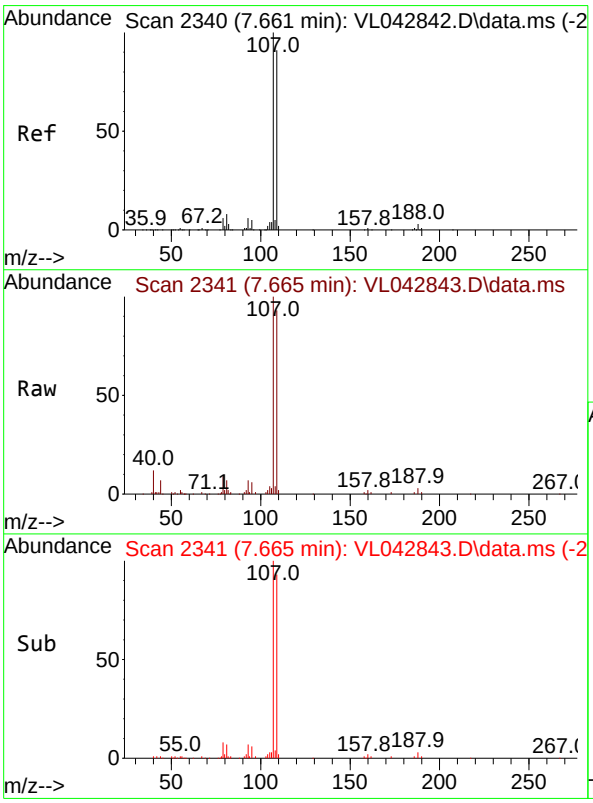
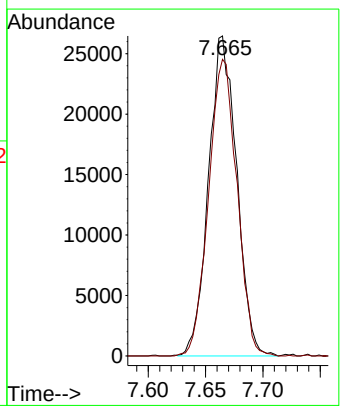
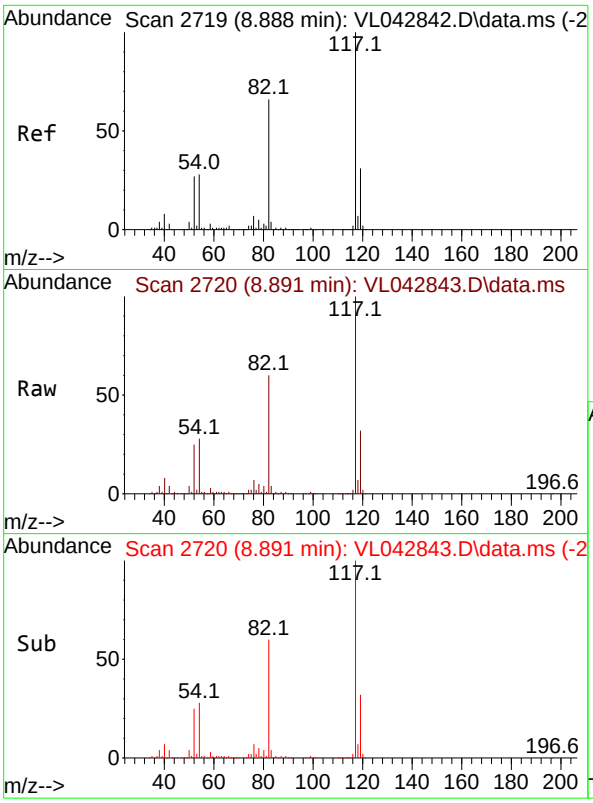


#54
1,2-Dibromoethane
Concen: 2.039 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:107 Resp: 45071

Ion	Ratio	Lower	Upper
107	100		
109	92.7	72.5	108.7

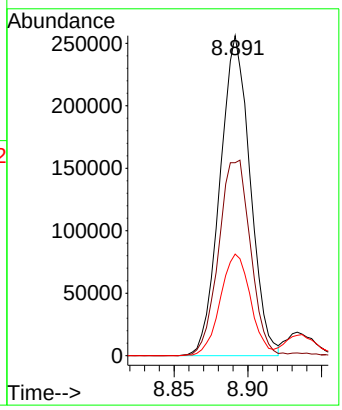




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:117 Resp: 36383

Ion	Ratio	Lower	Upper
117	100		
82	65.4	54.6	81.8
119	32.8	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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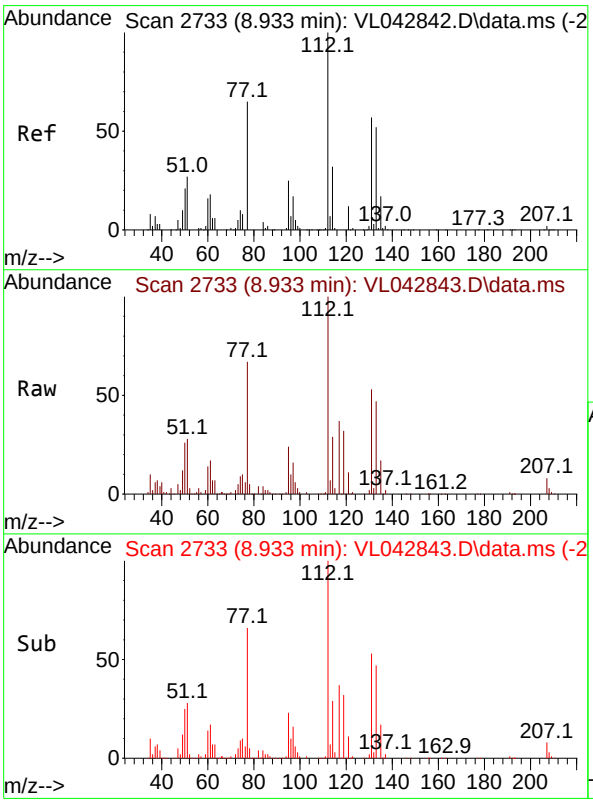
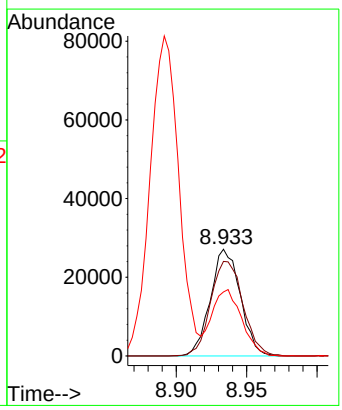
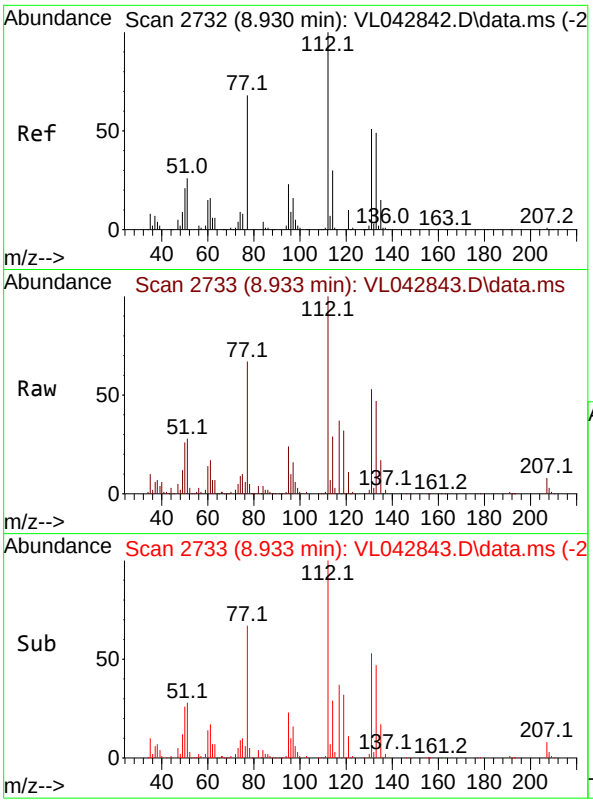


#56
1,1,1,2-Tetrachloroethane
Concen: 2.131 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:131 Resp: 40090

Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.4	116.0
119	59.3	51.2	76.8

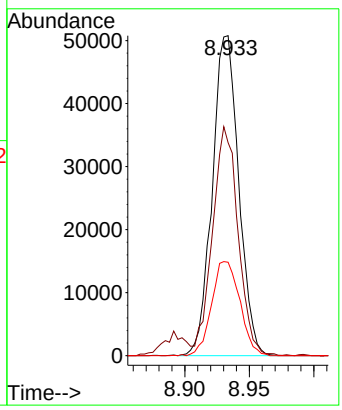




#57
Chlorobenzene
Concen: 2.090 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:112 Resp: 7229

Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.5	83.3
114	29.2	27.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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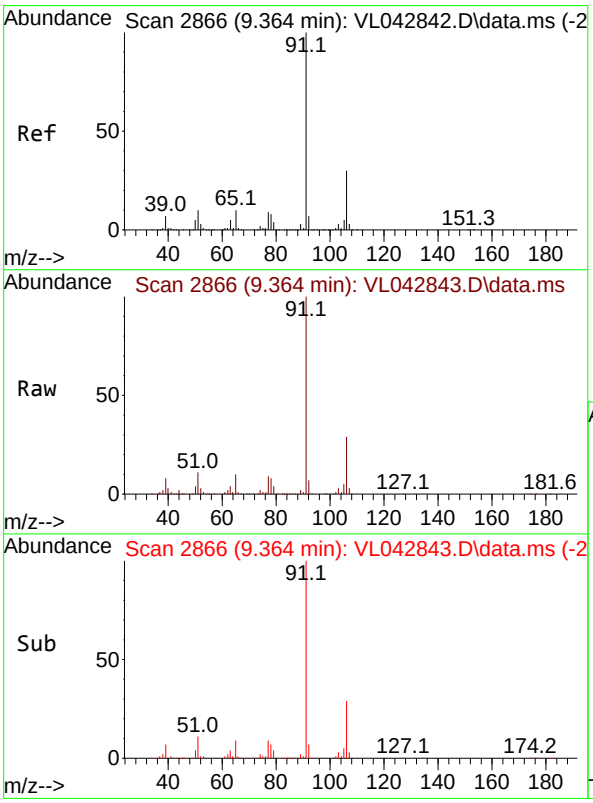
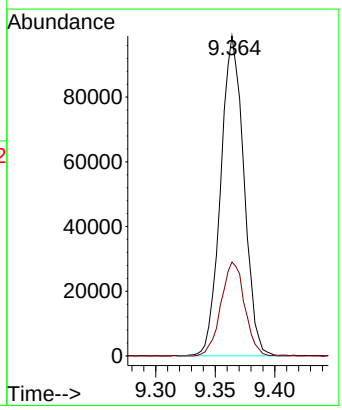
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

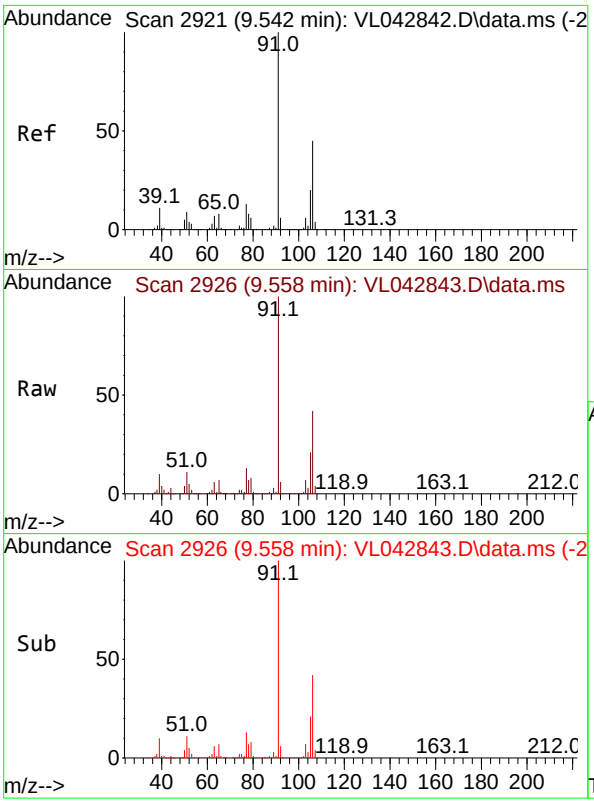


#58
Ethyl Benzene
Concen: 2.083 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 133719

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9

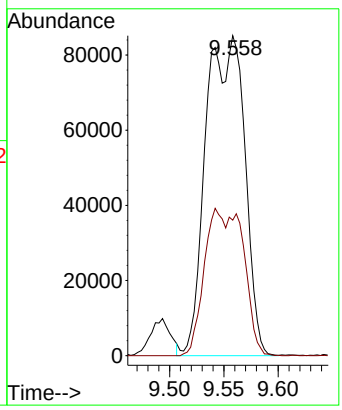




#59
m/p-Xylene
Concen: 4.200 ppbv m
RT: 9.558 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 21170

Ion	Ratio	Lower	Upper
91	100		
106	46.1	0.0	0.0



Instrument :
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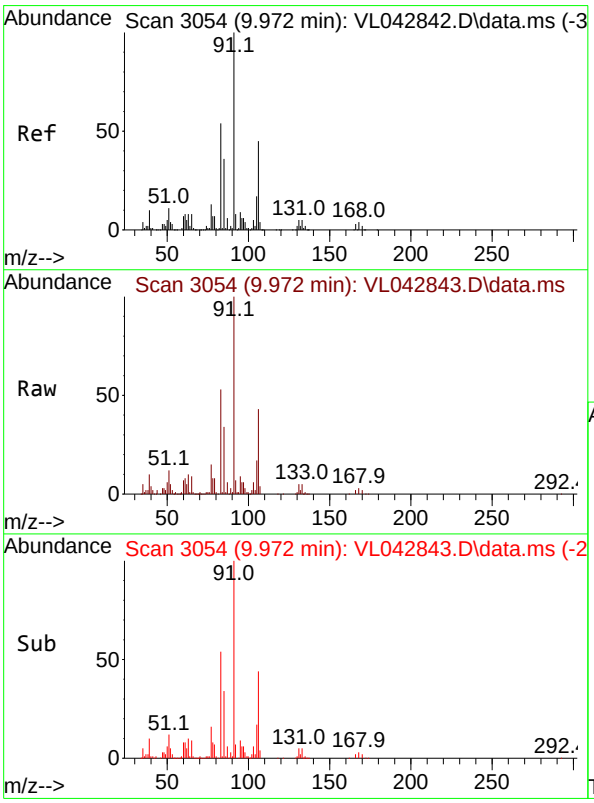
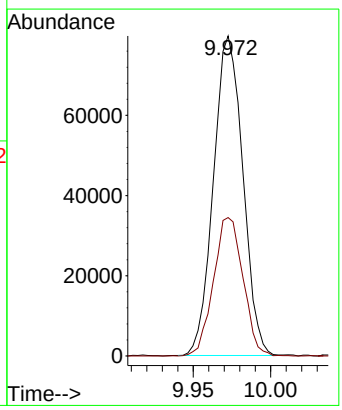
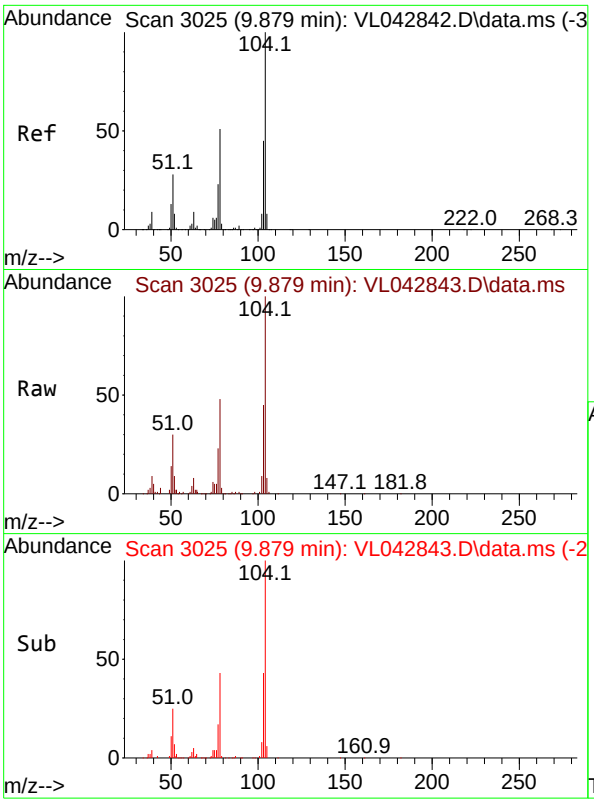


#60
o-Xylene
Concen: 2.077 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 105125

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.8	65.4

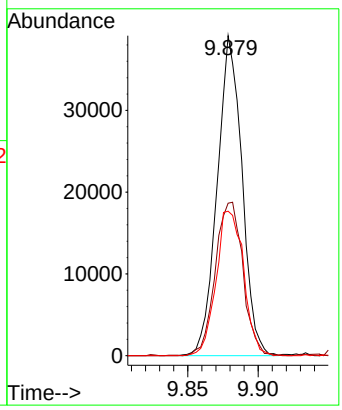




#61
Styrene
Concen: 2.025 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:104 Resp: 4802

Ion	Ratio	Lower	Upper
104	100		
78	53.4	40.6	61.0
103	50.1	37.7	56.5



Instrument :
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ClientSampleId :
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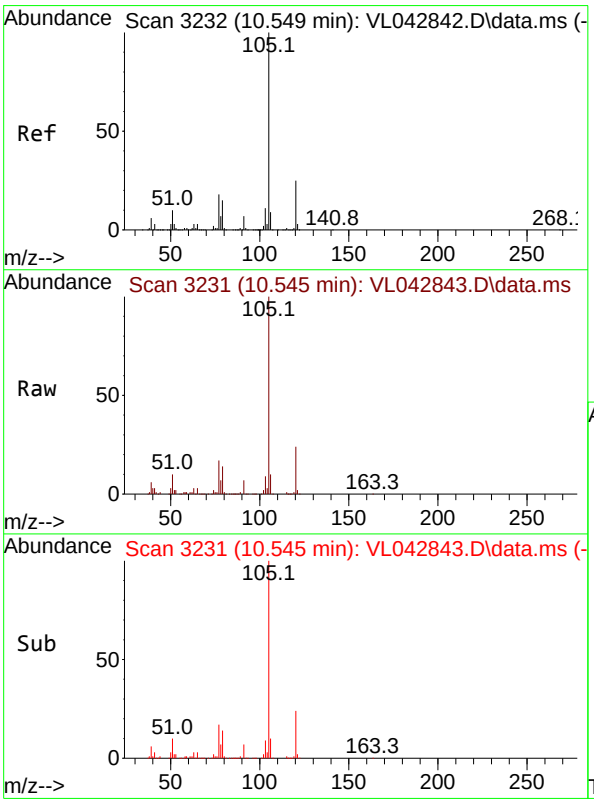
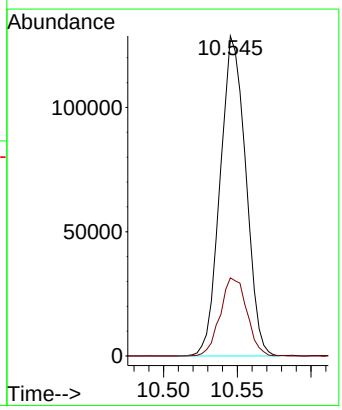
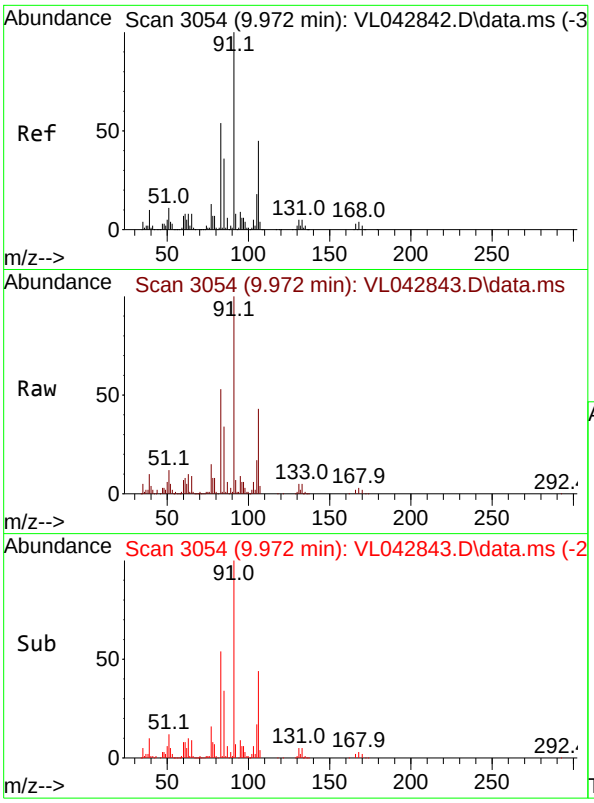


#62
Isopropylbenzene
Concen: 2.098 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 155223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	30.8

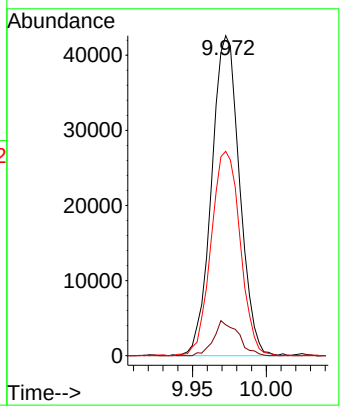




#63
1,1,2,2-Tetrachloroethane
Concen: 2.031 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 83 Resp: 5613

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	66.5	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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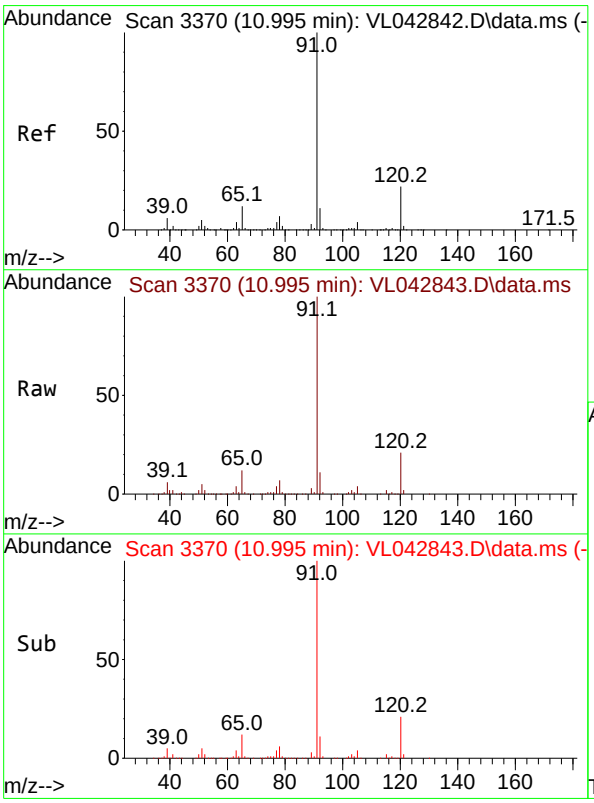
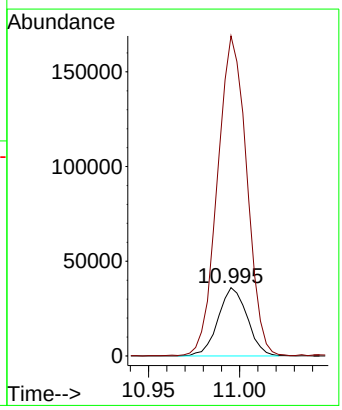
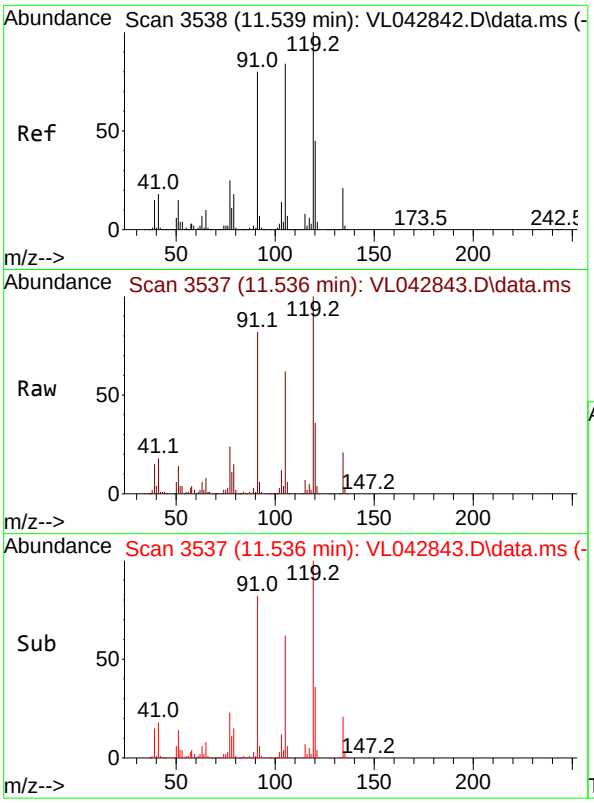


#64
n-propylbenzene
Concen: 2.115 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:120 Resp: 39922

Ion	Ratio	Lower	Upper
120	100		
91	476.7	375.8	563.6

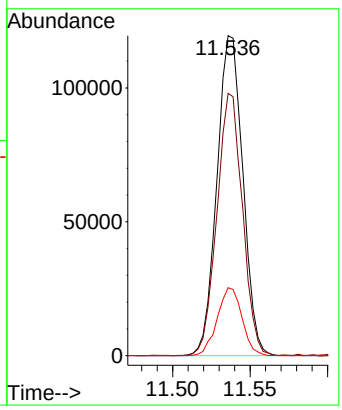




#65
tert-Butylbenzene
Concen: 2.132 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:119 Resp: 13901

Ion	Ratio	Lower	Upper
119	100		
91	80.9	63.9	95.9
134	20.3	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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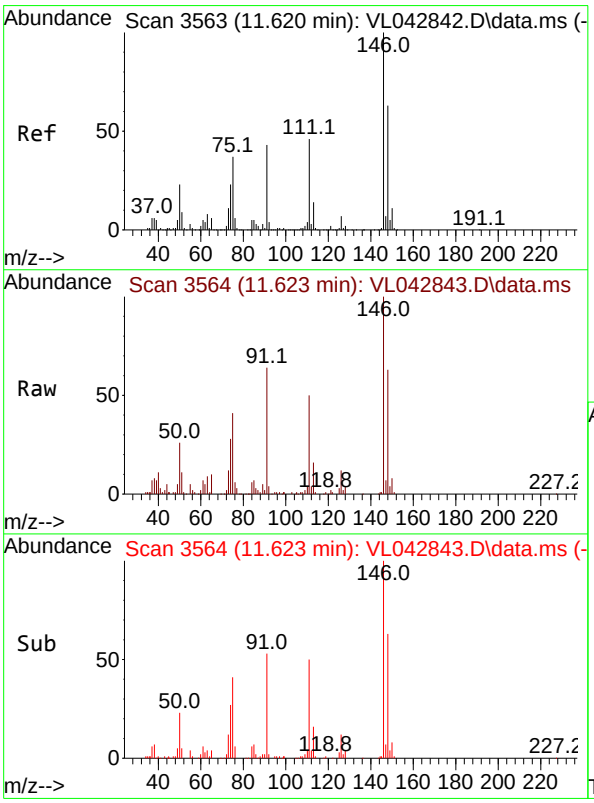
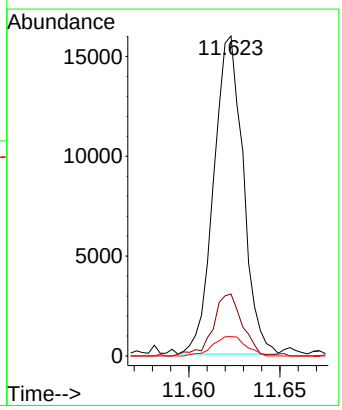
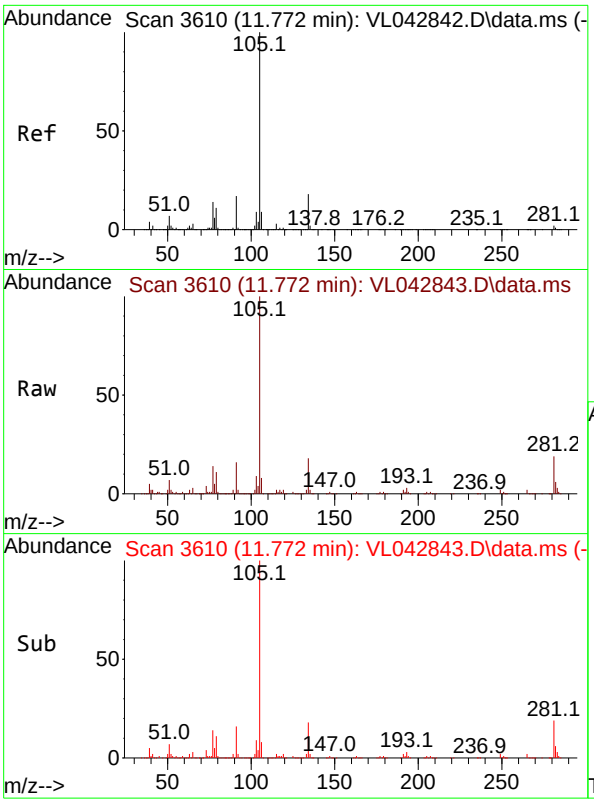


#66
Benzyl Chloride
Concen: 2.161 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 17893

Ion	Ratio	Lower	Upper
91	100		
126	19.5	14.2	21.4
128	6.9	5.0	7.6

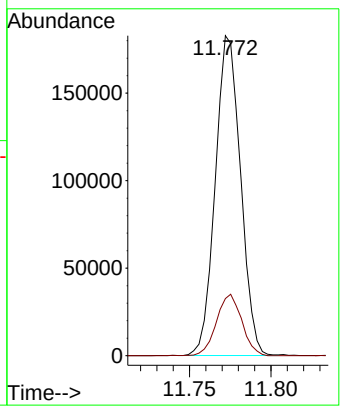




#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 19689

Ion	Ratio	Lower	Upper
105	100		
134	19.3	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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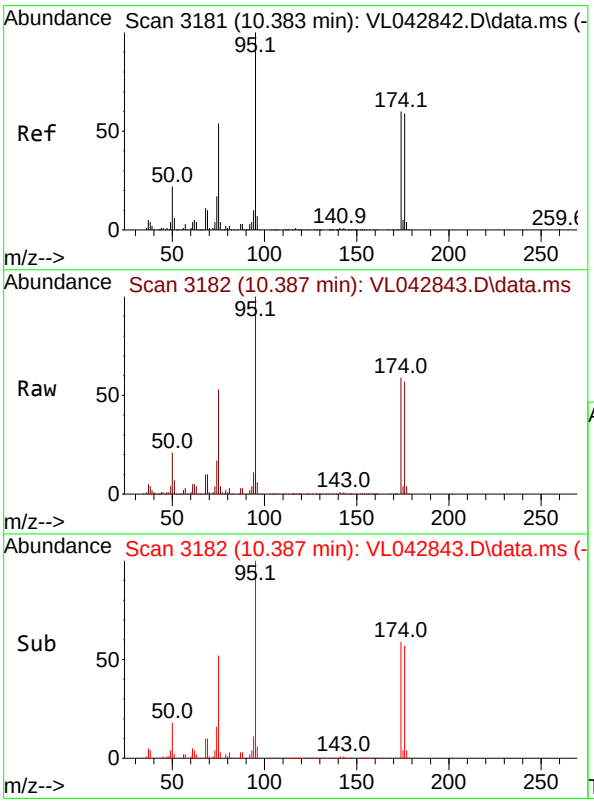
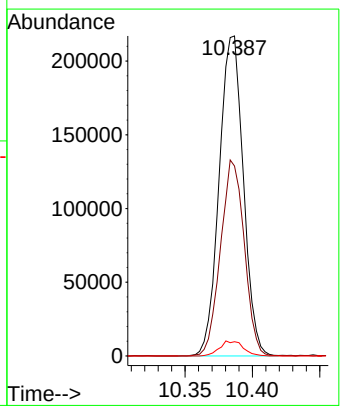
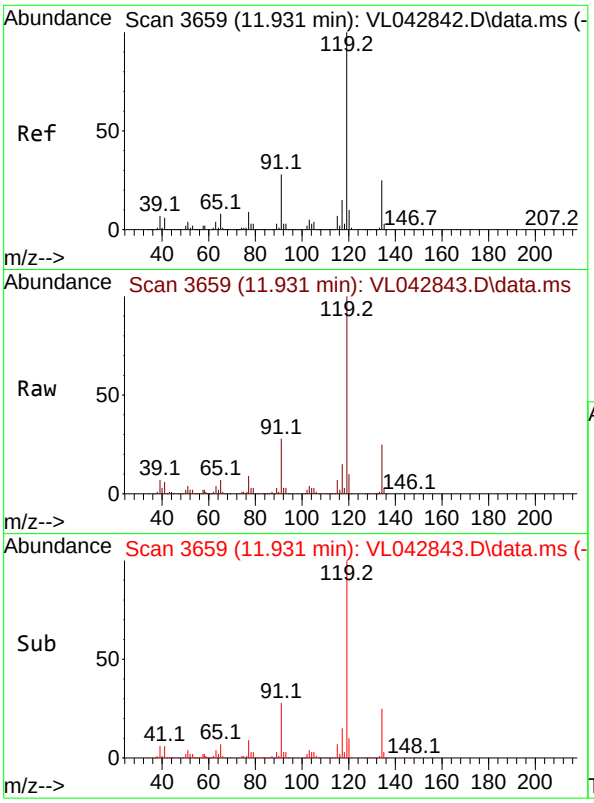


#68
1-Bromo-4-Fluorobenzene
Concen: 9.923 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 95 Resp: 270774

Ion	Ratio	Lower	Upper
95	100		
174	60.2	48.4	72.6
175	4.6	3.8	5.8

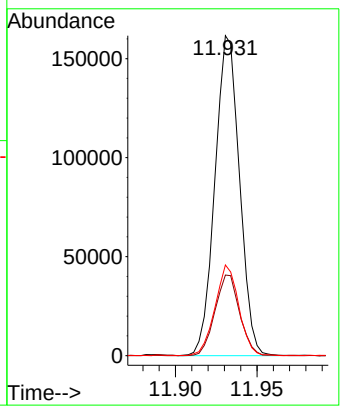




#69
p-Isopropyltoluene
Concen: 2.156 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:119 Resp: 16942

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	27.4	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
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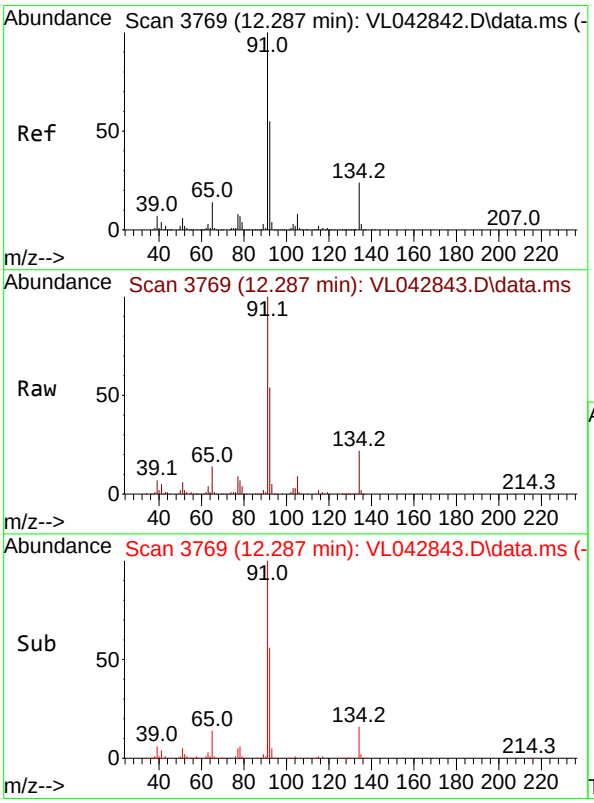
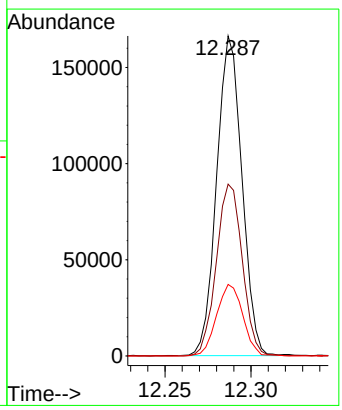
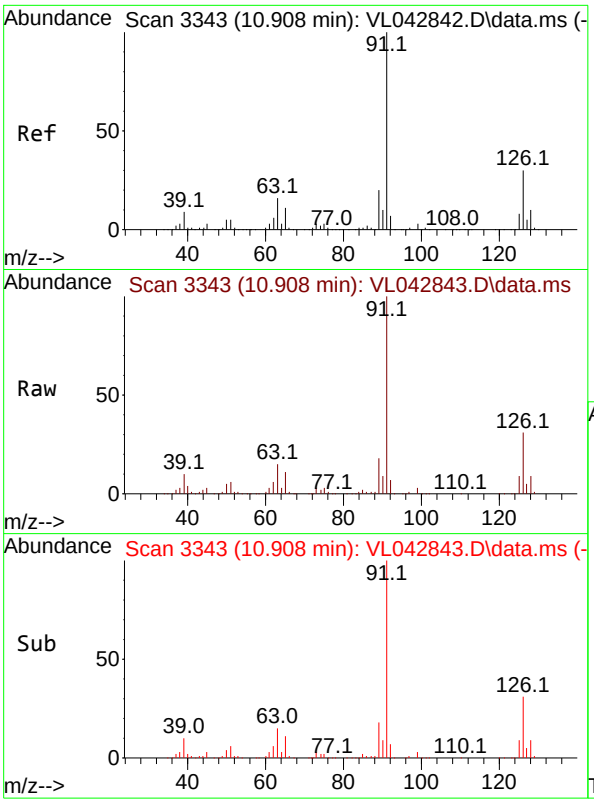


#70
n-Butylbenzene
Concen: 2.178 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 169768

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.6	66.8
134	23.3	19.0	28.4

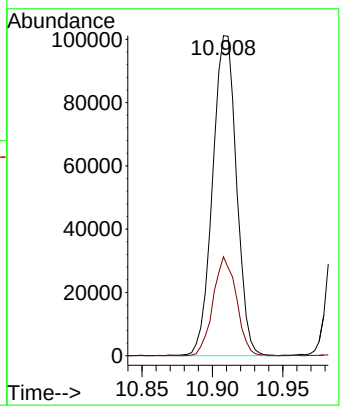




#71
2-Chlorotoluene
Concen: 2.078 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 11938

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8



Instrument :
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ClientSampleId :
VSTDICC002

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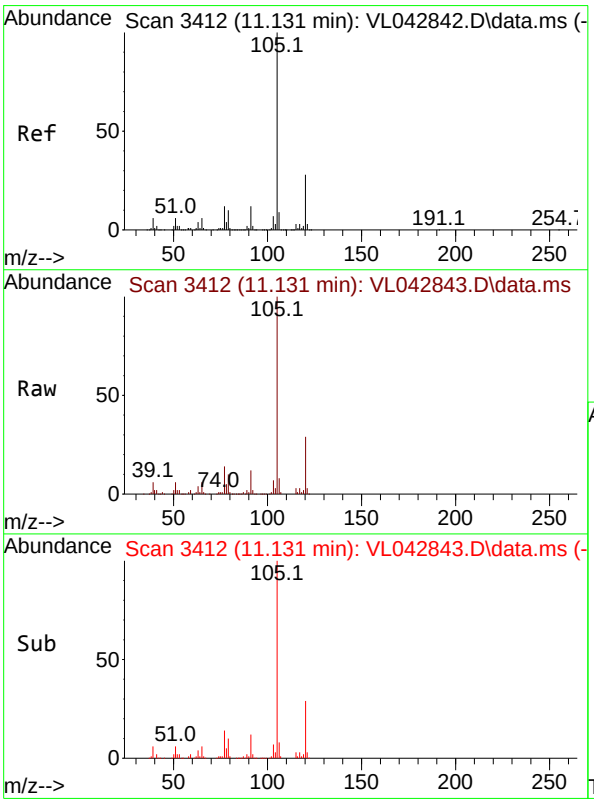
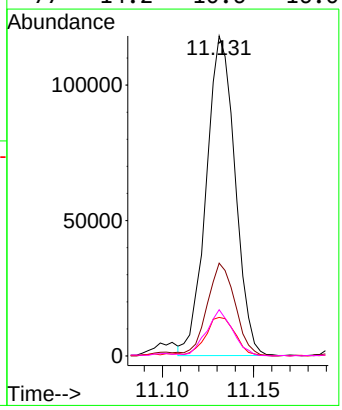
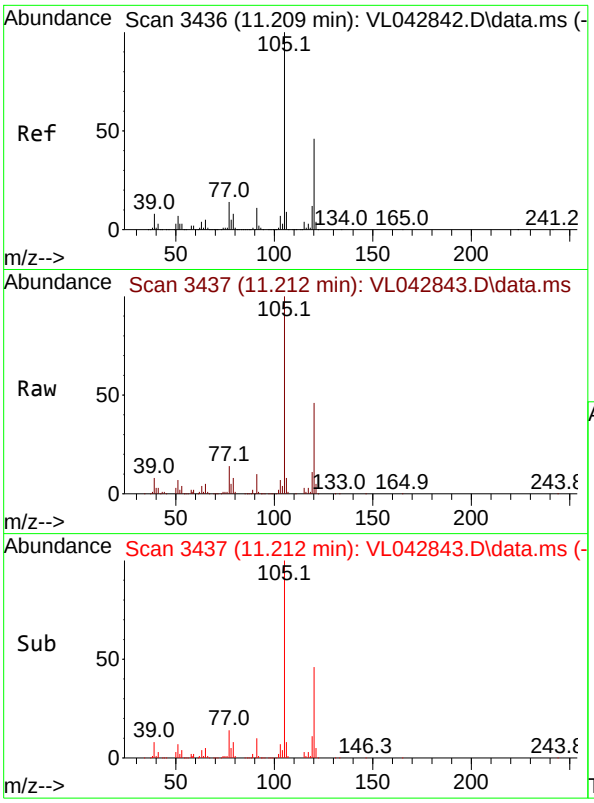


#72
4-Ethyltoluene
Concen: 2.115 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 129786

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.4	35.2
91	13.3	9.8	14.6
77	14.2	10.6	16.0

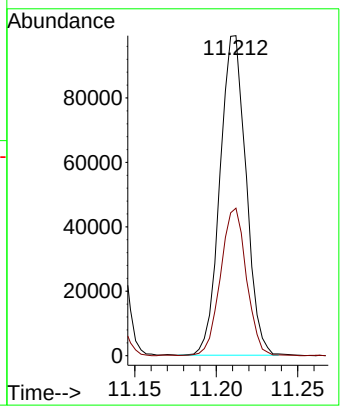




#73
1,3,5-Trimethylbenzene
Concen: 2.109 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 11004

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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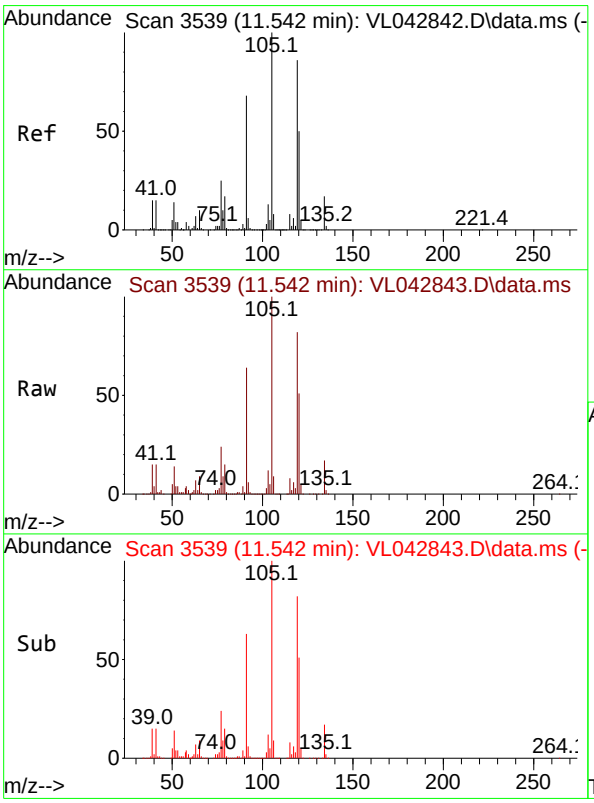
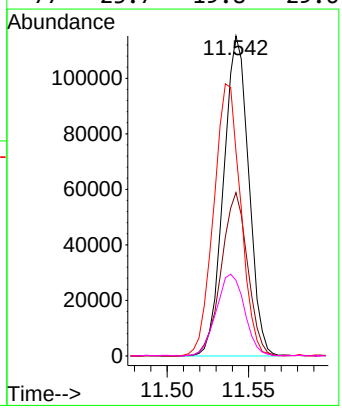
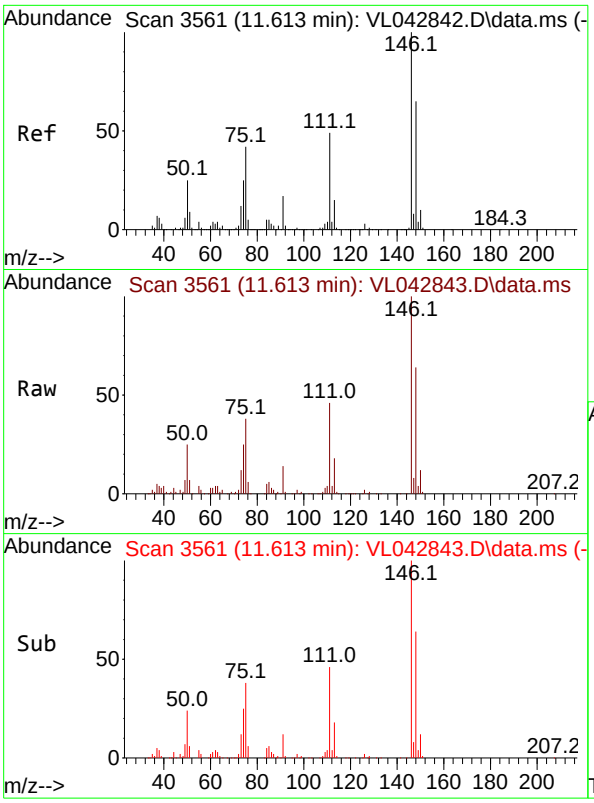


#74
1,2,4-Trimethylbenzene
Concen: 2.157 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 123554

Ion	Ratio	Lower	Upper
105	100		
120	51.0	39.8	59.6
91	63.9	54.2	81.4
77	23.7	19.8	29.6

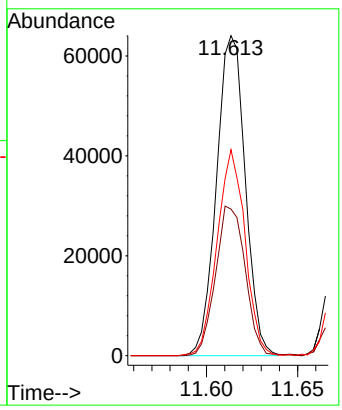




#75
1,3-Dichlorobenzene
Concen: 2.160 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:146 Resp: 7033

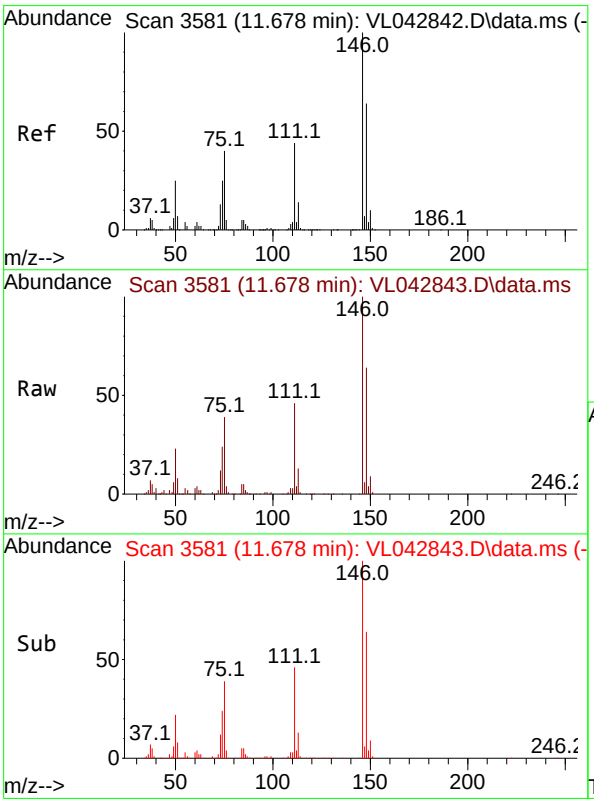
Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	62.5	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

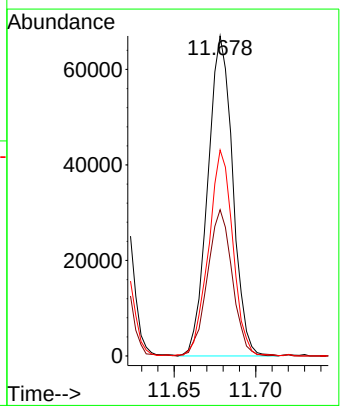
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

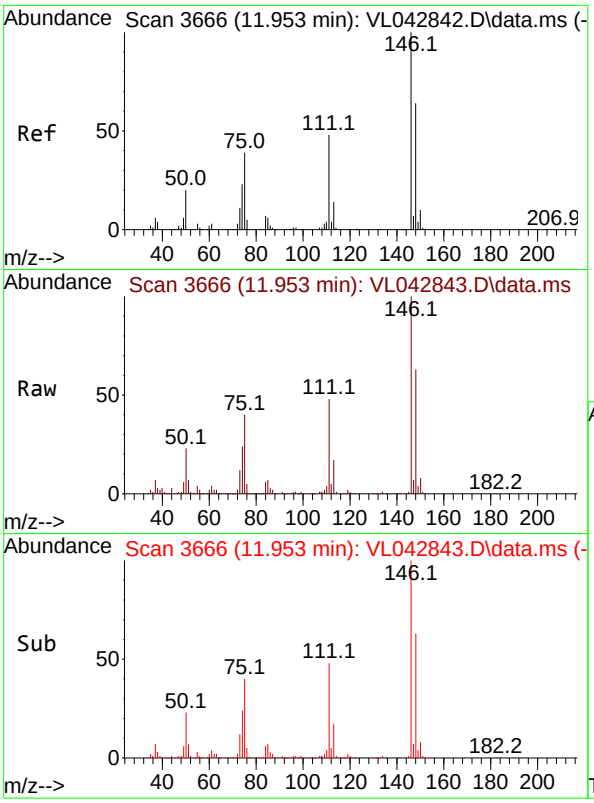


#76
1,4-Dichlorobenzene
Concen: 2.161 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:146 Resp: 71160

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.1
148	62.9	31.8	95.3

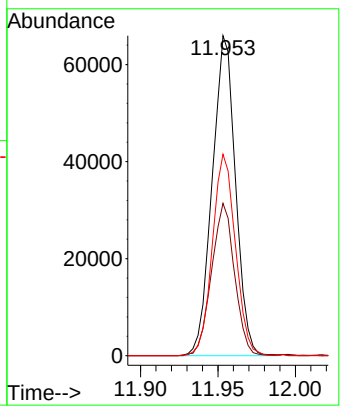




#77
1,2-Dichlorobenzene
Concen: 2.162 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:146 Resp: 6894

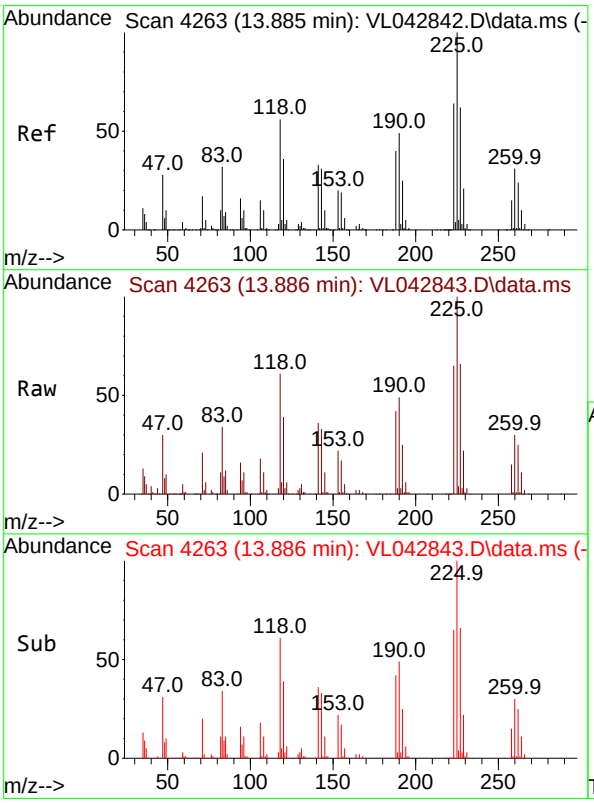
Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.6	74.0
148	62.5	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

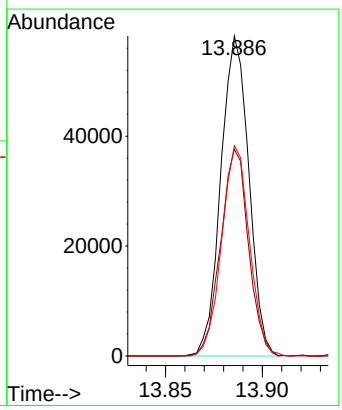
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

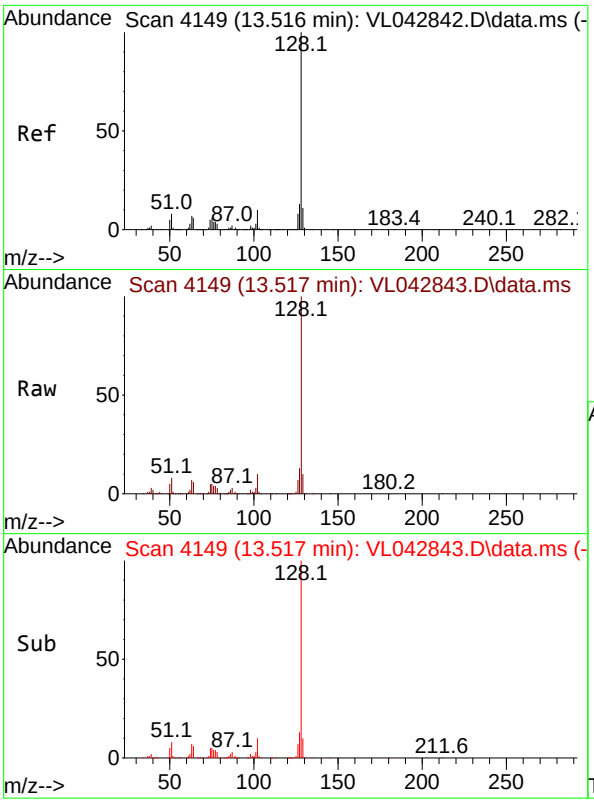


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:225 Resp: 58509

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.2
227	65.2	51.9	77.9

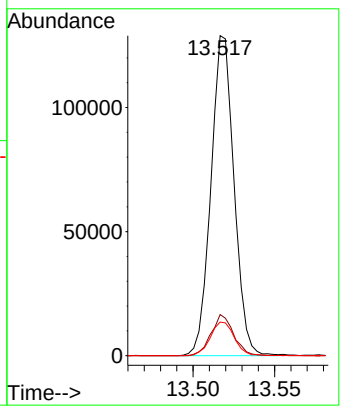




#79
Naphthalene
Concen: 2.478 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:128 Resp: 12702

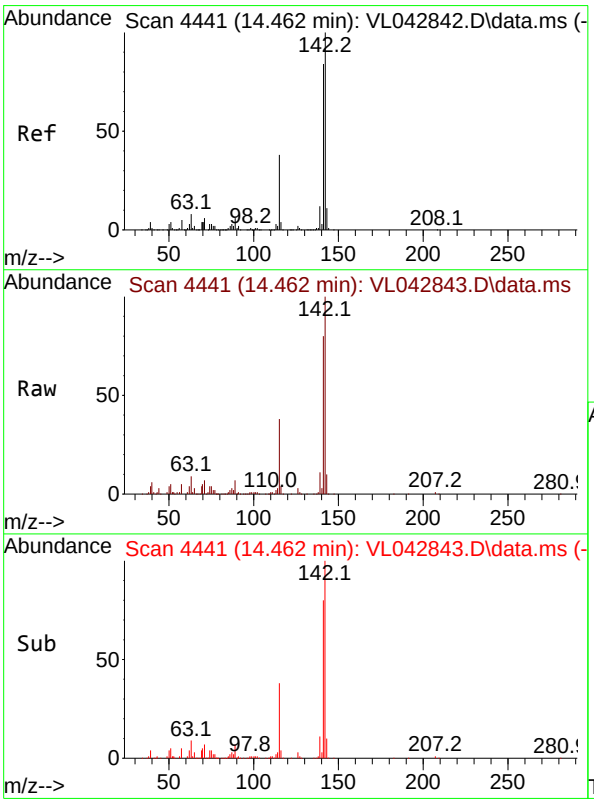
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.5	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

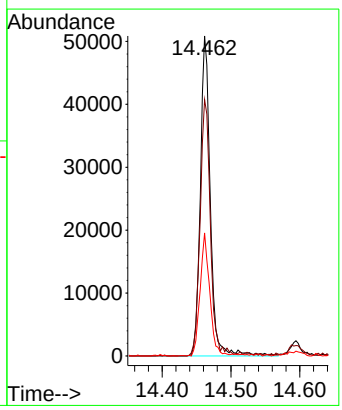
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

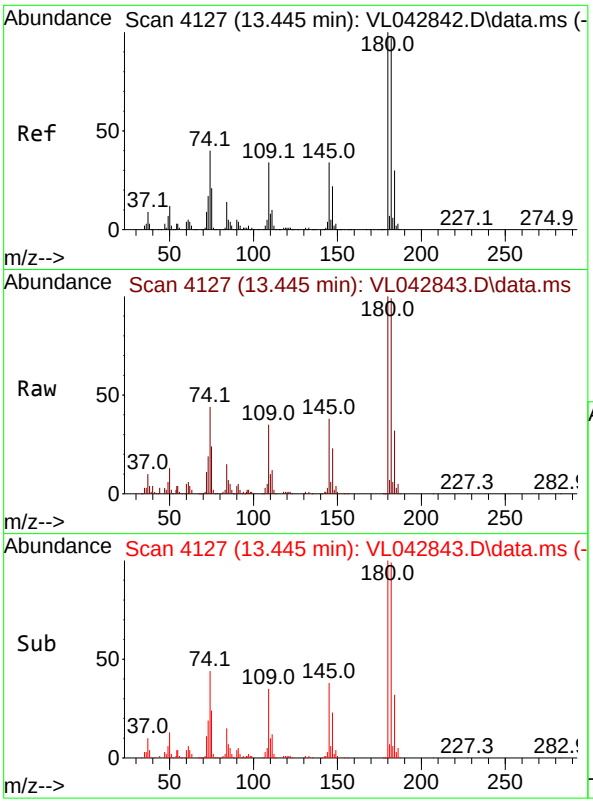


#80
Naphthalene,2-methyl-
Concen: 2.670 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:142 Resp: 51541

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	37.8	30.9	46.3

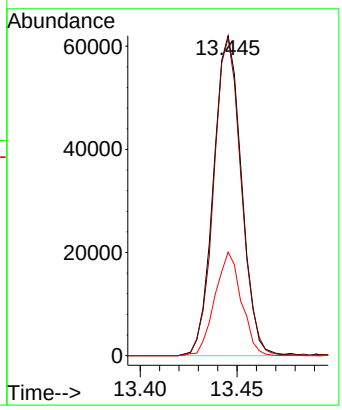




#81
1,2,4-Trichlorobenzene
Concen: 2.384 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:180 Resp: 6221

Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.9	115.3
184	30.8	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.791	49	128542	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	400305	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	349577	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	265708	10.135	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	19603	1.041	ppbv		99
3) Chlorodifluoromethane	1.476	51	20833	0.999	ppbv		93
4) Chloromethane	1.535	50	7948	1.045	ppbv		96
5) Vinyl Chloride	1.583	62	7189	0.960	ppbv		96
6) Bromomethane	1.667	94	3446	1.151	ppbv		84
7) Chloroethane	1.706	64	3089	1.056	ppbv		93
8) Dichlorotetrafluoroethane	1.557	85	15872	1.030	ppbv		100
9) Propene	1.486	41	8897	0.989	ppbv		89
10) Heptane	4.985	43	25850m	1.075	ppbv		
11) Trichlorofluoromethane	1.881	101	19701	1.060	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.143	101	15446	1.043	ppbv		97
13) Ethanol	1.722	45	883m	0.991	ppbv		
14) Bromoethene	1.784	108	5343	0.996	ppbv	#	78
15) Acetone	1.839	43	18961	1.115	ppbv		98
16) 1,3-Butadiene	1.609	39	8133	1.055	ppbv		98
17) tert-Butyl alcohol	2.046	59	21342	1.058	ppbv	#	93
18) 1,1-Dichloroethene	2.040	96	6549	1.006	ppbv		93
19) Isopropyl Alcohol	1.888	45	10893	1.073	ppbv	#	39
20) Methylene Chloride	2.062	84	7661	1.076	ppbv	#	90
21) Allyl Chloride	2.098	41	11598	0.966	ppbv		88
22) trans-1,2-Dichloroethene	2.344	96	7882m	1.082	ppbv		
23) Vinyl Acetate	2.467	43	22270	0.996	ppbv	#	96
24) 1,1-Dichloroethane	2.412	63	15727	1.045	ppbv		98
25) Ethyl Acetate	2.842	43	43007	1.045	ppbv		98
26) Hexane	2.829	57	19944	1.050	ppbv		92
27) Carbon Disulfide	2.153	76	19450	1.052	ppbv	#	2
28) Methyl tert-Butyl Ether	2.444	73	9600	0.991	ppbv	#	88
29) Chloroform	2.852	83	28055	1.034	ppbv		97
30) Cyclohexane	3.865	84	16492	0.990	ppbv		90
31) cis-1,2-Dichloroethene	2.723	61	19591	1.031	ppbv		98
32) 1,1,1-Trichloroethane	3.373	97	27607	0.961	ppbv		97
34) 2-Butanone	2.564	43	28105	1.040	ppbv		98
35) Carbon Tetrachloride	3.768	117	28008	1.015	ppbv		93
36) Benzene	3.661	78	39137	1.021	ppbv	#	94
37) 1,2-Dichloroethane	3.224	62	20645	1.031	ppbv		97
38) Trichloroethene	4.555	130	17921	1.024	ppbv	#	89
39) 1,2-Dichloropropane	4.325	63	14595m	1.042	ppbv		
40) 1,4-Dioxane	4.603	88	7386m	1.127	ppbv		
41) Tetrahydrofuran	3.062	42	15552	1.032	ppbv		94
42) Bromodichloromethane	4.499	83	29683	0.995	ppbv		99
43) Methyl Methacrylate	4.885	69	16073m	1.022	ppbv		
44) 2,2,4-Trimethylpentane	4.645	57	68813m	1.069	ppbv		
45) t-1,3-Dichloropropene	6.419	75	18580m	1.042	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	22372	0.999	ppbv		94
47) 1,1,2-Trichloroethane	6.597	97	15295	1.032	ppbv		86
48) Dibromochloromethane	7.396	129	24214	1.009	ppbv		99
49) Bromoform	9.490	173	20579	1.040	ppbv		98
50) 4-Methyl-2-Pentanone	5.768	43	36710	1.001	ppbv		98
51) 2-Hexanone	7.451	43	29487	1.026	ppbv	#	99
52) Tetrachloroethene	8.235	164	13322	0.960	ppbv		90
53) Toluene	6.946	91	47256	1.036	ppbv		99
54) 1,2-Dibromoethane	7.665	107	21280	0.982	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.930	131	19176	1.061	ppbv		96
57) Chlorobenzene	8.930	112	34617	1.041	ppbv	#	91
58) Ethyl Benzene	9.361	91	65223	1.057	ppbv		95
59) m/p-Xylene	9.558	91	101634m	2.098	ppbv		
60) o-Xylene	9.969	91	51445	1.058	ppbv		99
61) Styrene	9.879	104	23660	1.038	ppbv		100
62) Isopropylbenzene	10.546	105	76708	1.079	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.969	83	27410	1.032	ppbv		98
64) n-propylbenzene	10.995	120	18462	1.018	ppbv		90
65) tert-Butylbenzene	11.536	119	69617	1.111	ppbv		99
66) Benzyl Chloride	11.617	91	7900	0.993	ppbv		98
67) sec-Butylbenzene	11.772	105	96288	1.095	ppbv		98
69) p-Isopropyltoluene	11.931	119	82934	1.098	ppbv		99
70) n-Butylbenzene	12.287	91	80511	1.075	ppbv		99
71) 2-Chlorotoluene	10.908	91	60086	1.089	ppbv		100
72) 4-Ethyltoluene	11.131	105	63147	1.071	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	53676	1.070	ppbv		95
74) 1,2,4-Trimethylbenzene	11.539	105	59633	1.083	ppbv		96
75) 1,3-Dichlorobenzene	11.610	146	33061	1.057	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	33064	1.045	ppbv		96
77) 1,2-Dichlorobenzene	11.950	146	33404	1.090	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	29555	1.177	ppbv		95
79) Naphthalene	13.517	128	57580	1.169	ppbv		97
80) Naphthalene,2-methyl-	14.462	142	19375	1.045	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	27861	1.111	ppbv		99

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

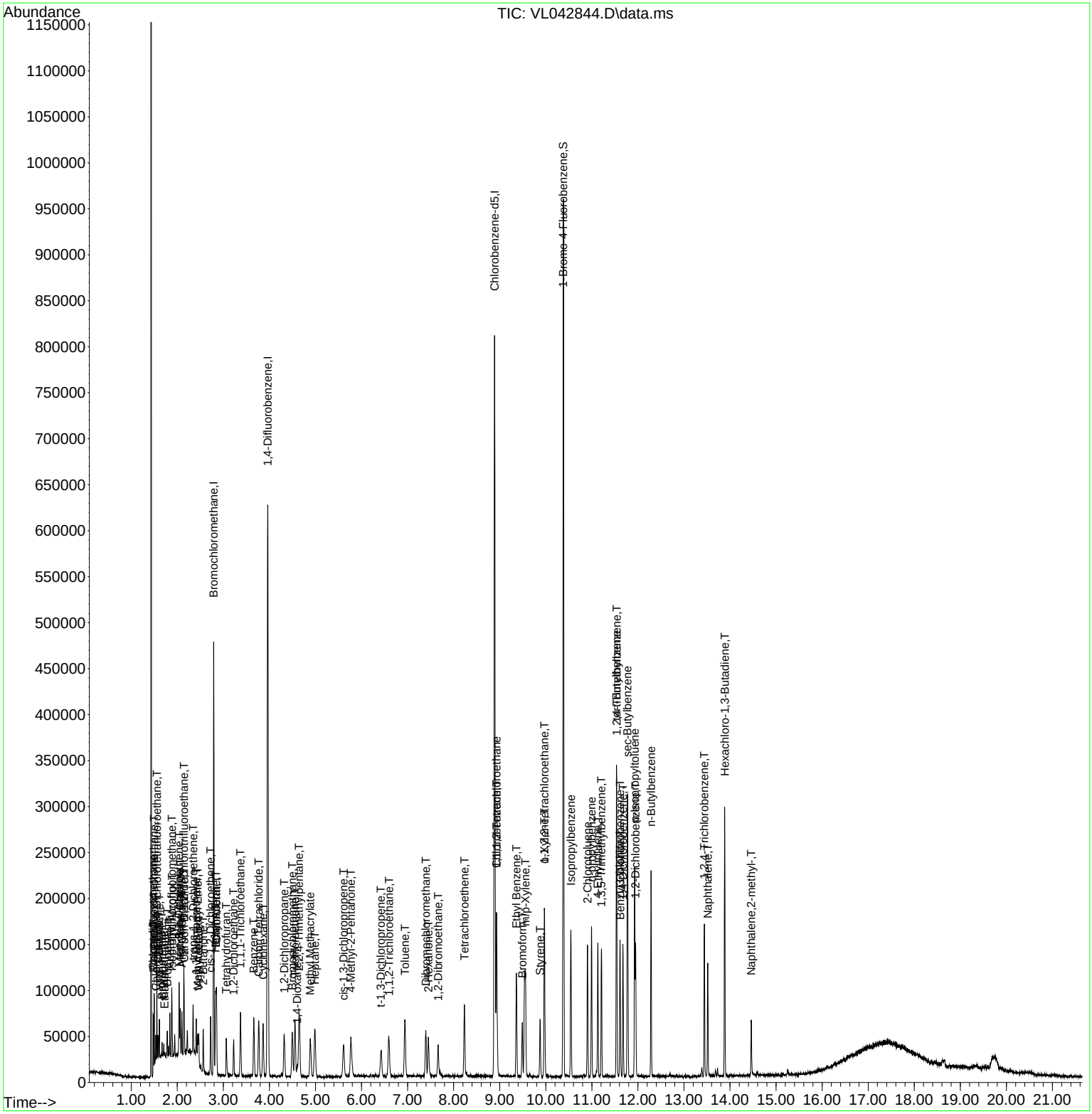
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

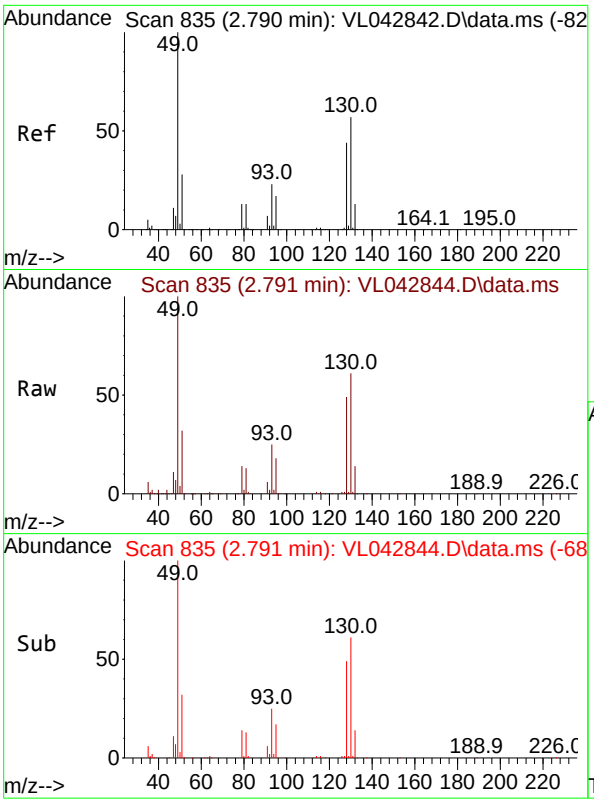
Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

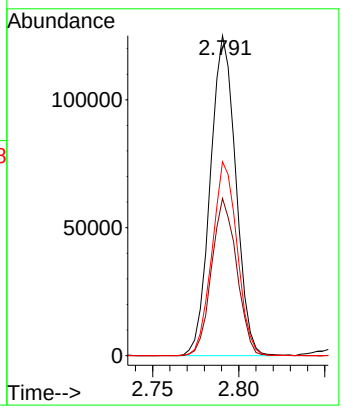




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.001 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 49 Resp: 12854

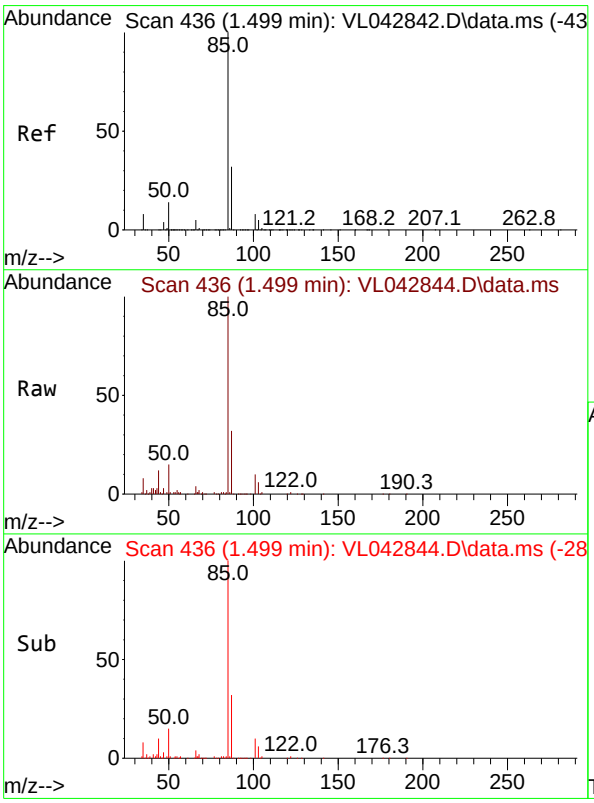
Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.7	71.1
130	59.9	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

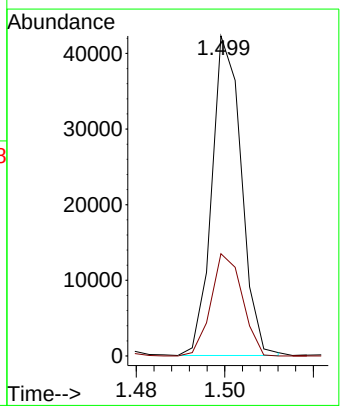
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

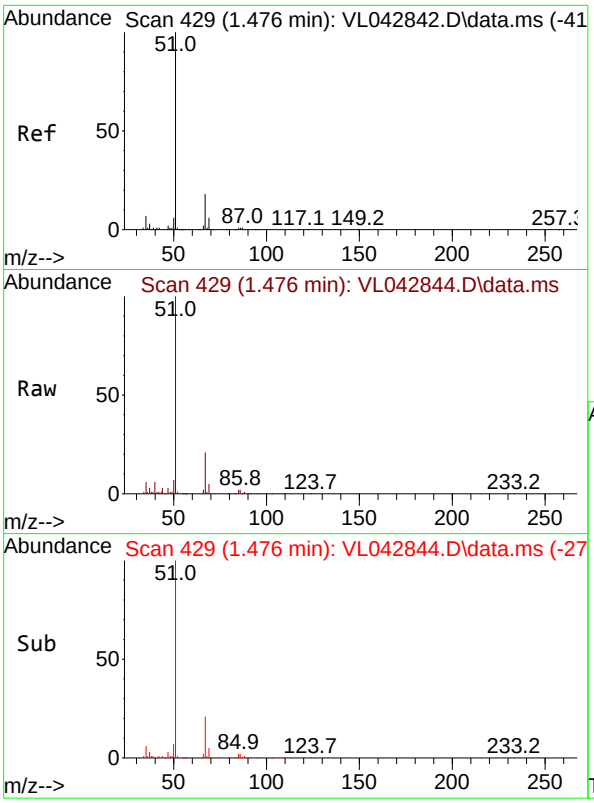


#2
Dichlorodifluoromethane
Concen: 1.041 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 19603

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.3	37.9

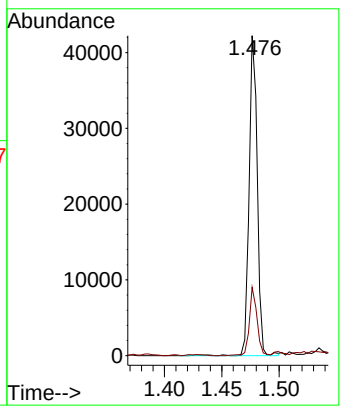




#3
Chlorodifluoromethane
Concen: 0.999 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 51 Resp: 2083

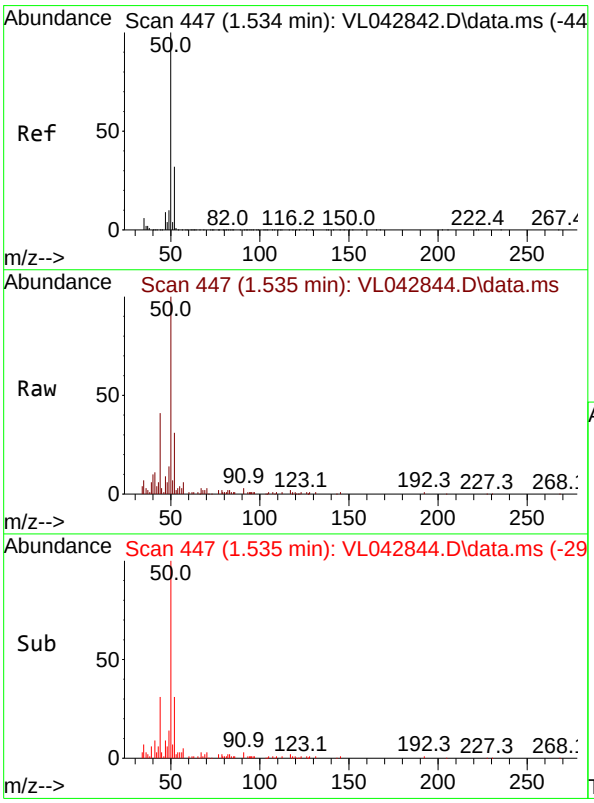
Ion	Ratio	Lower	Upper
51	100		
67	21.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

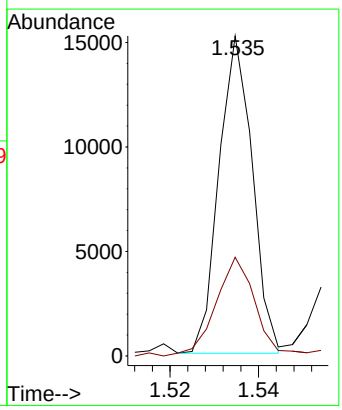
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

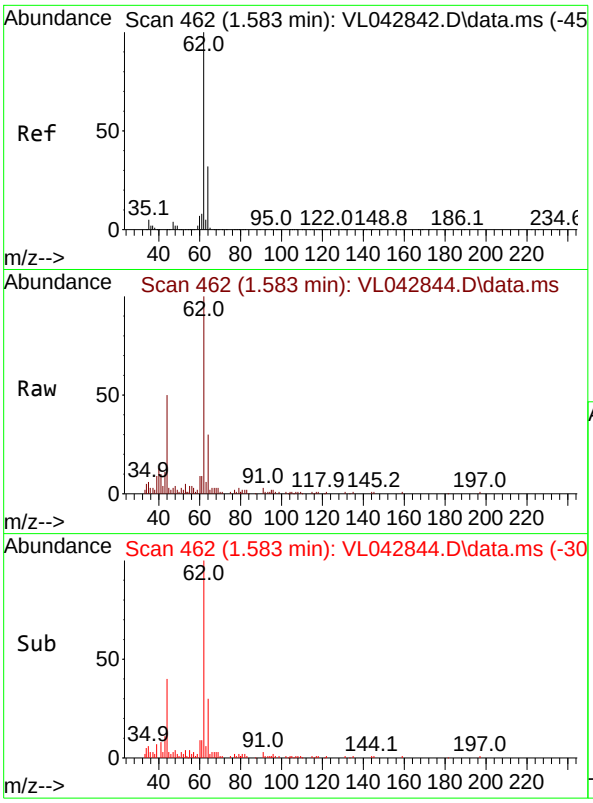


#4
Chloromethane
Concen: 1.045 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 50 Resp: 7948

Ion	Ratio	Lower	Upper
50	100		
52	30.2	25.9	38.9

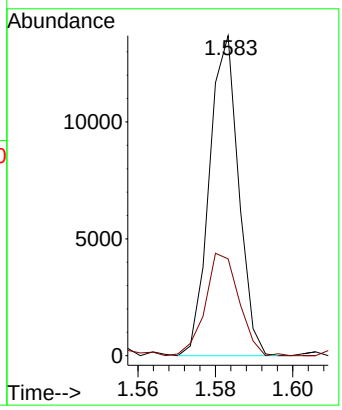




#5
Vinyl Chloride
Concen: 0.960 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 62 Resp: 718

Ion	Ratio	Lower	Upper
62	100		
64	29.7	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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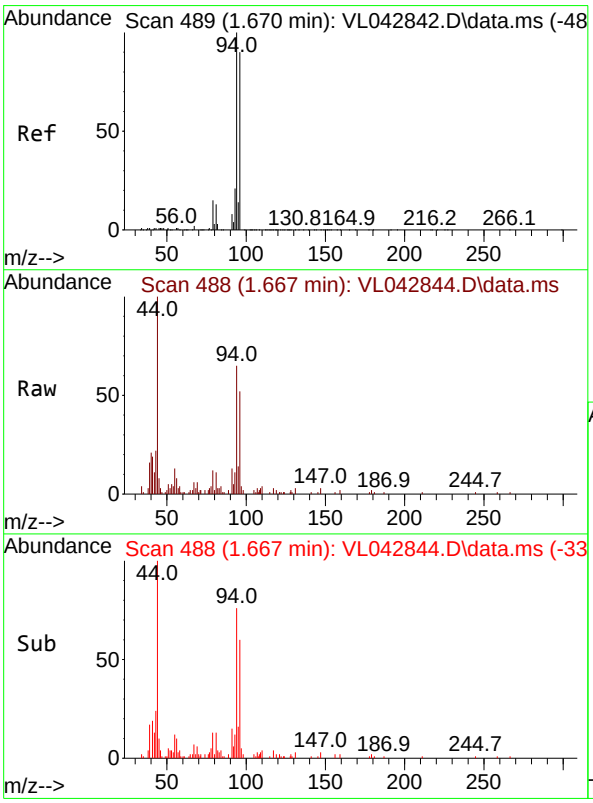
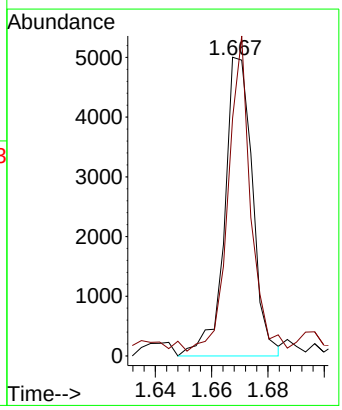
Supervised By :Mahesh Dadoda 08/18/2025

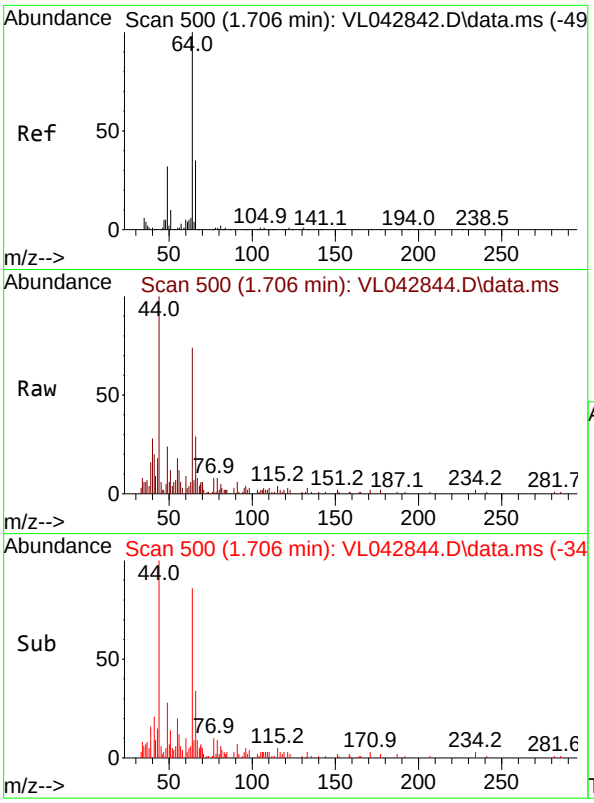


#6
Bromomethane
Concen: 1.151 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 94 Resp: 3446

Ion	Ratio	Lower	Upper
94	100		
96	74.7	72.1	108.1

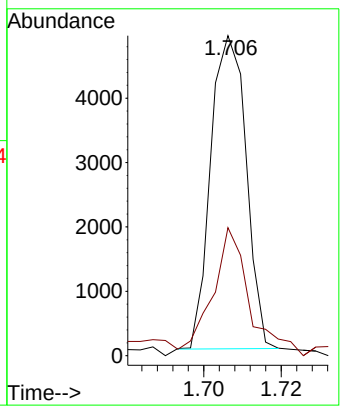




#7
Chloroethane
Concen: 1.056 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 64 Resp: 308

Ion	Ratio	Lower	Upper
64	100		
66	40.0	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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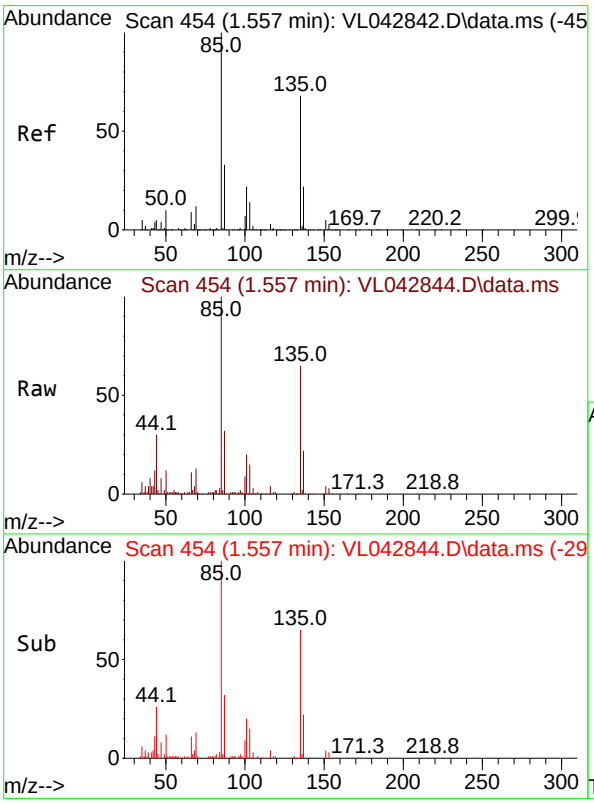
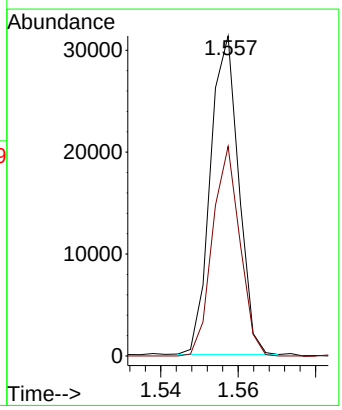
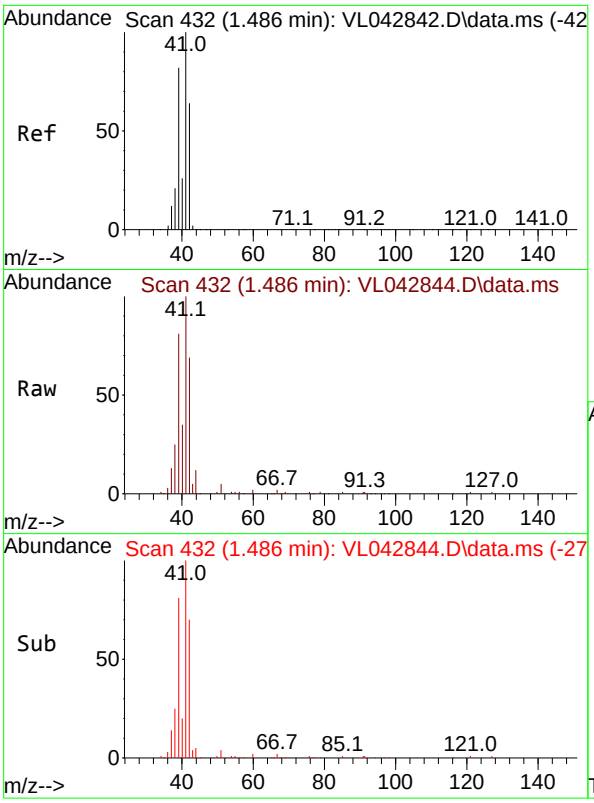


#8
Dichlorotetrafluoroethane
Concen: 1.030 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 15872

Ion	Ratio	Lower	Upper
85	100		
135	63.7	51.2	76.8

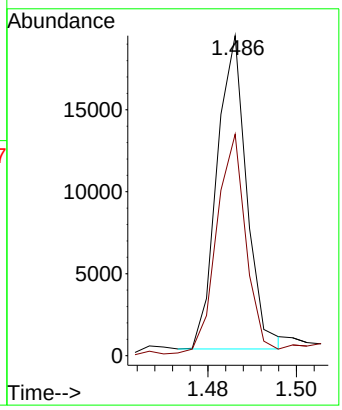




#9
Propene
Concen: 0.989 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 41 Resp: 889

Ion	Ratio	Lower	Upper
41	100		
42	74.9	53.0	79.4



Instrument :
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ClientSampleId :
VSTDICC001

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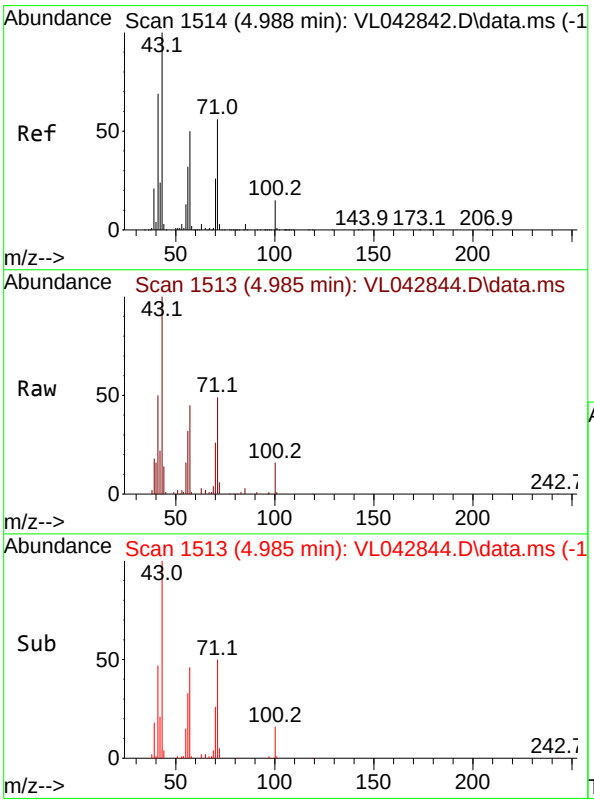
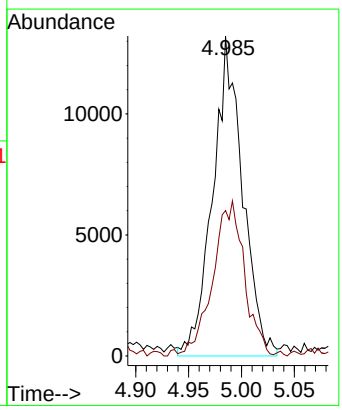
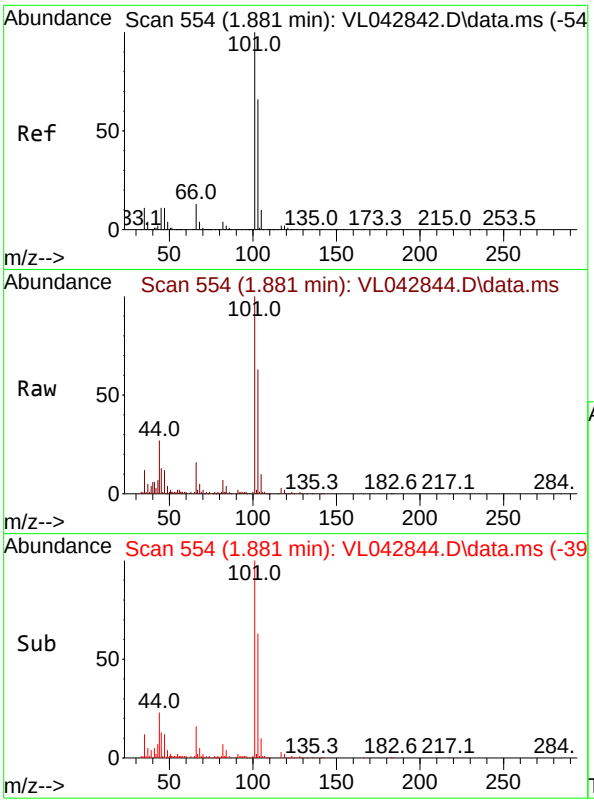


#10
Heptane
Concen: 1.075 ppbv m
RT: 4.985 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 25850

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.4	62.0

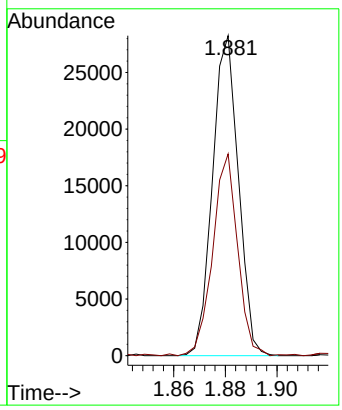




#11
Trichlorofluoromethane
Concen: 1.060 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:101 Resp: 1970

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.5	78.7



Instrument :
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ClientSampleId :
VSTDICC001

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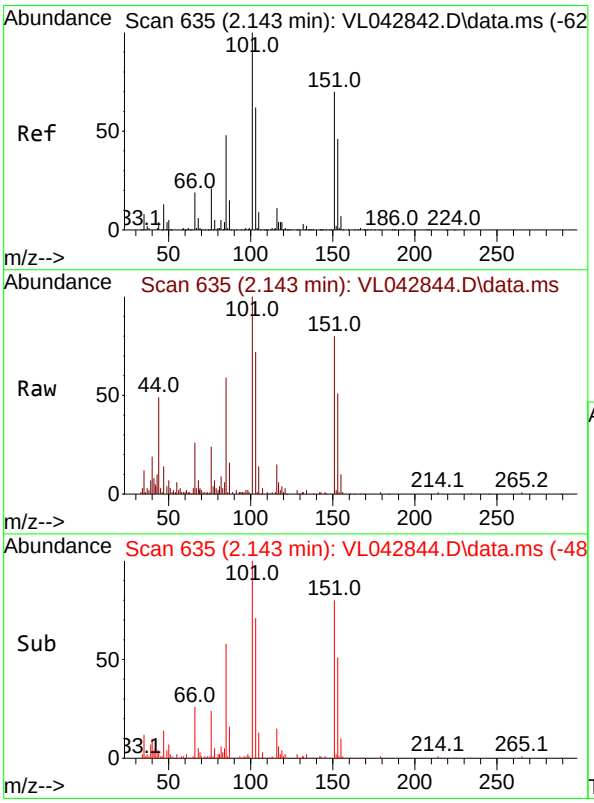
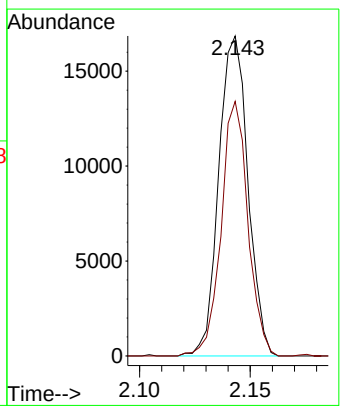
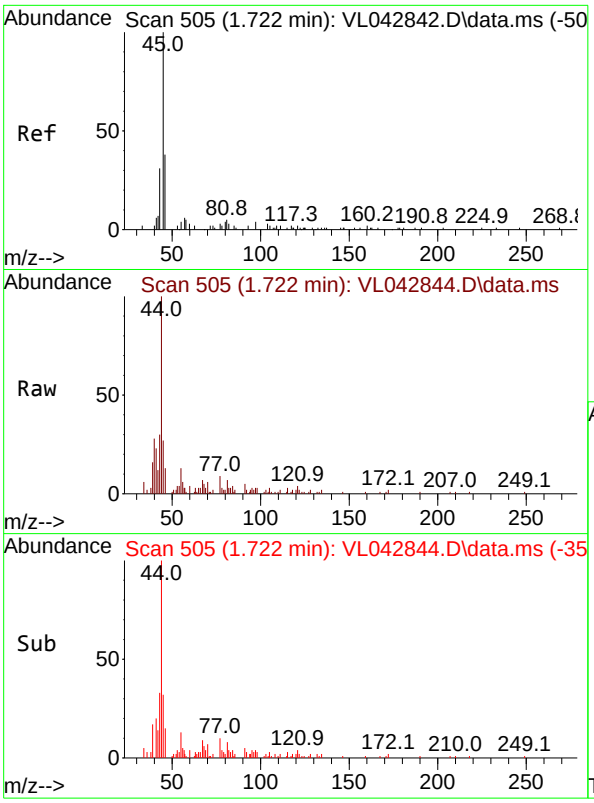


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.043 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:101 Resp: 15446

Ion	Ratio	Lower	Upper
101	100		
151	73.2	56.4	84.6





#13
Ethanol
Concen: 0.991 ppbv m
RT: 1.722 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 45 Resp: 88

Ion	Ratio	Lower	Upper
45	100		
46	92.1	17.5	69.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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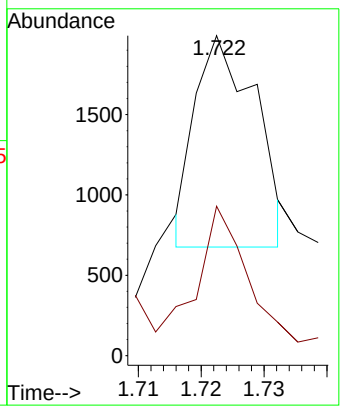
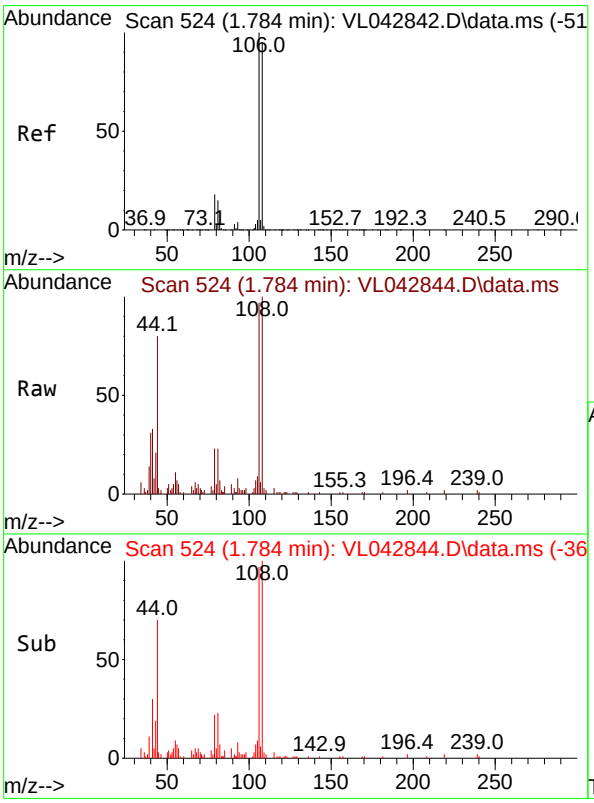
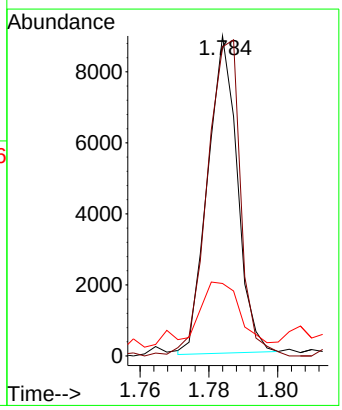


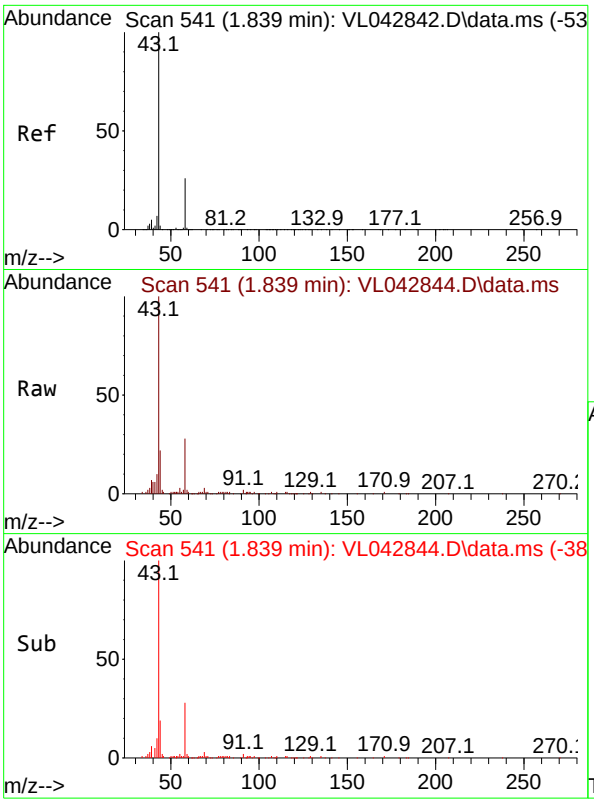


#14
Bromoethene
Concen: 0.996 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:108 Resp: 5343

Ion	Ratio	Lower	Upper
108	100		
106	117.1	85.1	127.7
79	58.9	16.3	24.5#

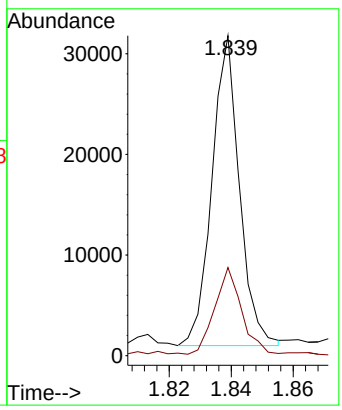




#15
Acetone
Concen: 1.115 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 1896

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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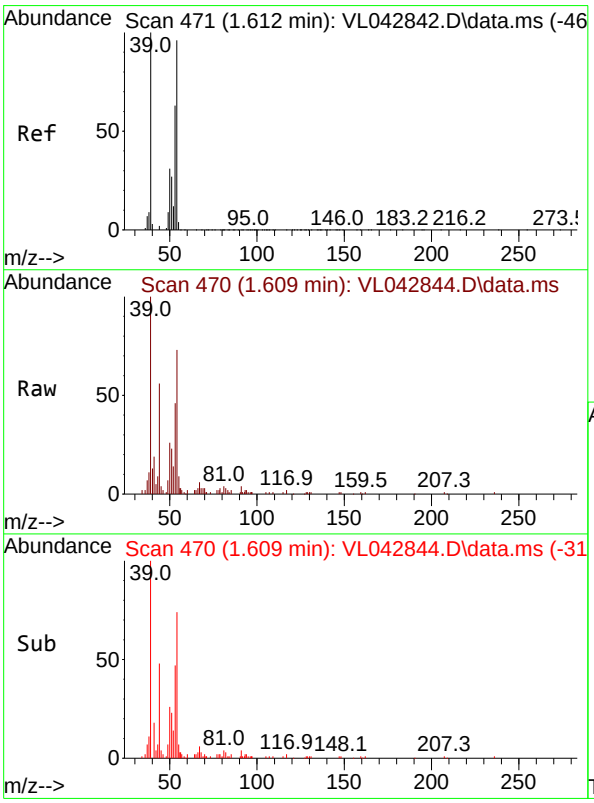
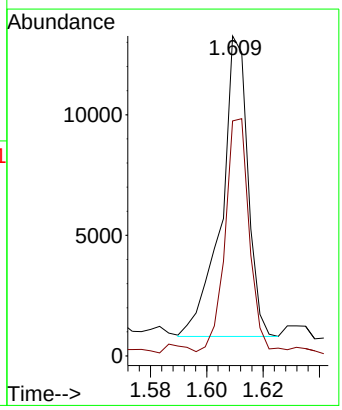
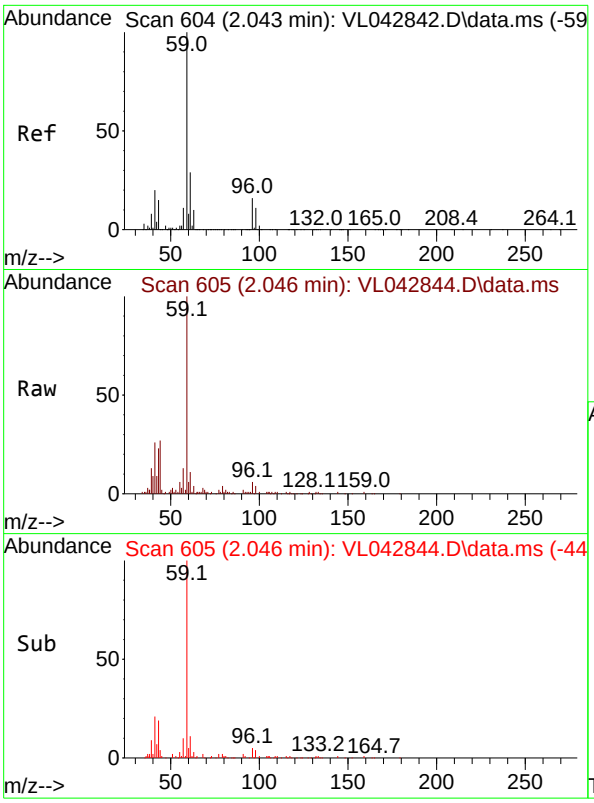


#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 39 Resp: 8133

Ion	Ratio	Lower	Upper
39	100		
54	78.0	63.6	95.4

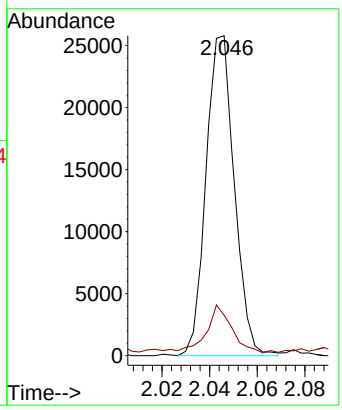




#17
tert-Butyl alcohol
Concen: 1.058 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 59 Resp: 2134

Ion	Ratio	Lower	Upper
59	100		
57	13.7	9.0	13.4



Instrument :
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ClientSampleId :
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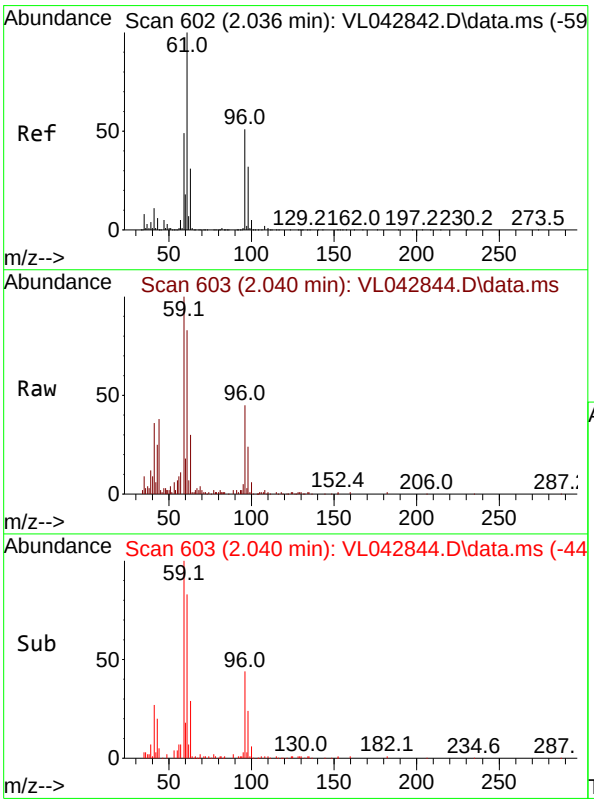
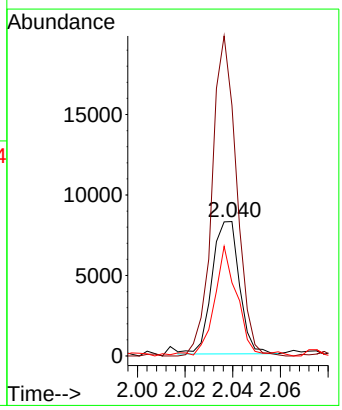
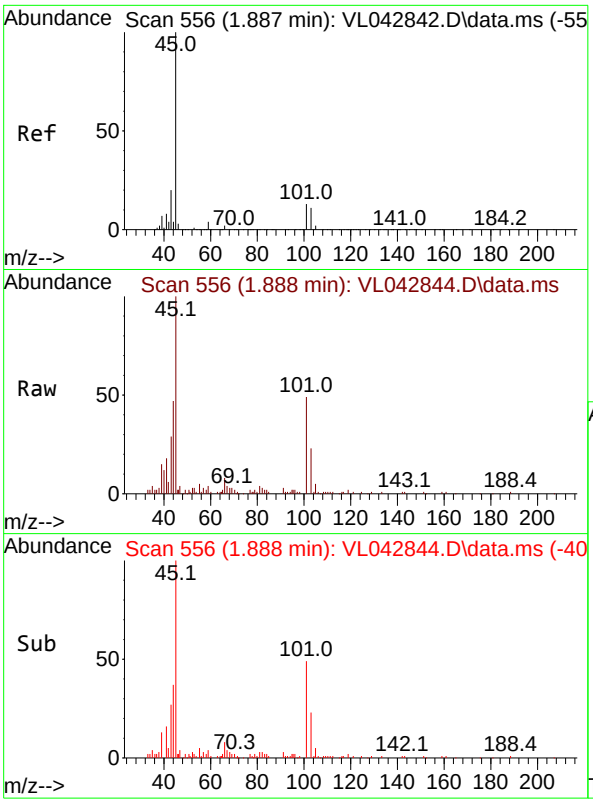


#18
1,1-Dichloroethene
Concen: 1.006 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 96 Resp: 6549

Ion	Ratio	Lower	Upper
96	100		
61	189.6	158.2	237.4
98	53.1	50.6	76.0

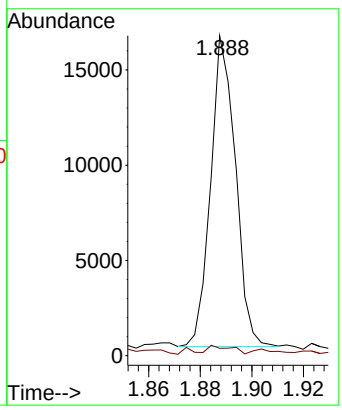




#19
Isopropyl Alcohol
Concen: 1.073 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 45 Resp: 1089

Ion	Ratio	Lower	Upper
45	100		
58	2.9	32.7	49.1#



Instrument :
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ClientSampleId :
VSTDICC001

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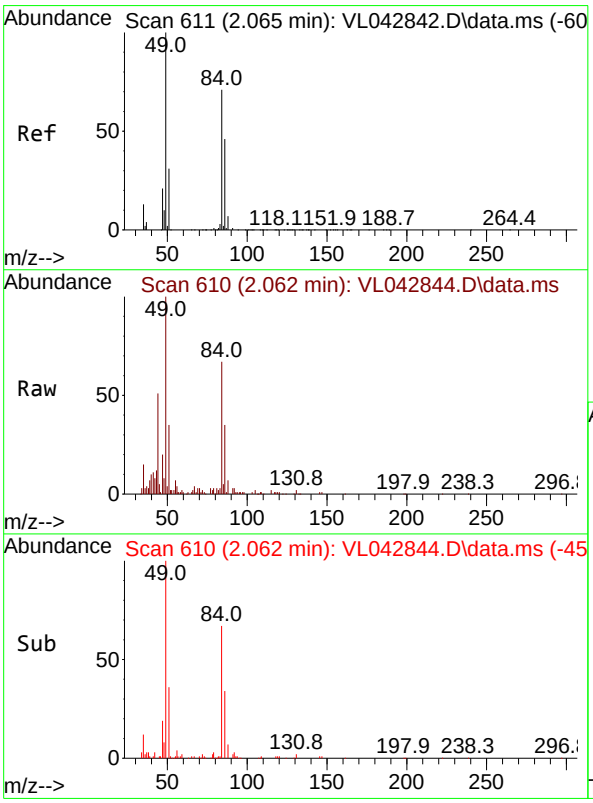
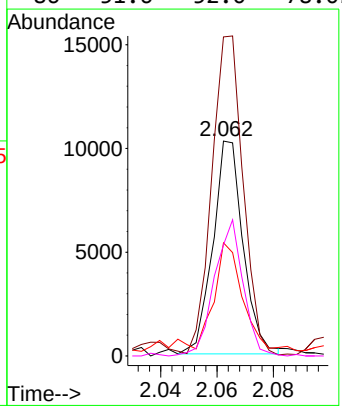
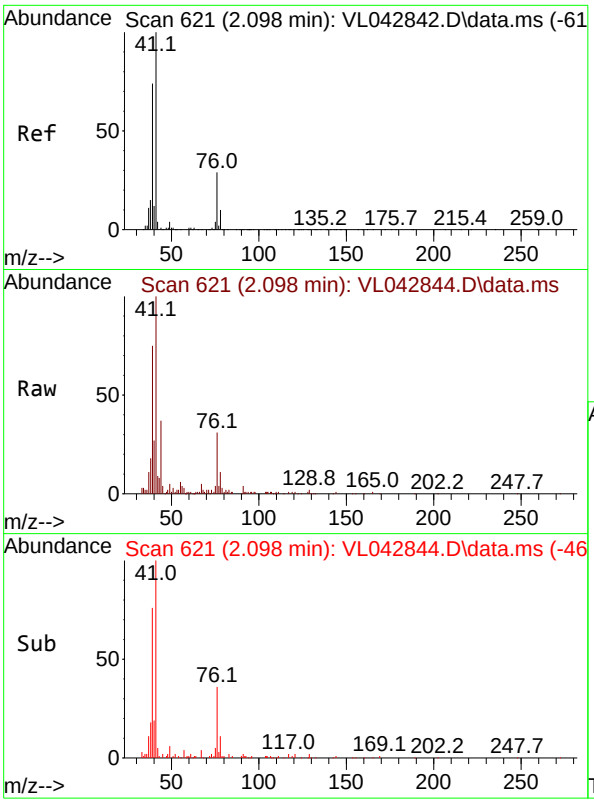


#20
Methylene Chloride
Concen: 1.076 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 84 Resp: 7661

Ion	Ratio	Lower	Upper
84	100		
49	149.4	112.3	168.5
51	49.2	36.0	54.0
86	51.6	52.0	78.0#

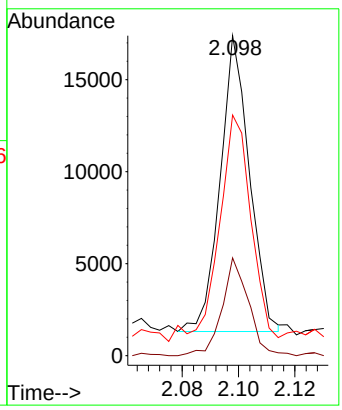




#21
Allyl Chloride
Concen: 0.966 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 41 Resp: 1159

Ion	Ratio	Lower	Upper
41	100		
76	30.9	23.9	35.9
39	86.2	57.8	86.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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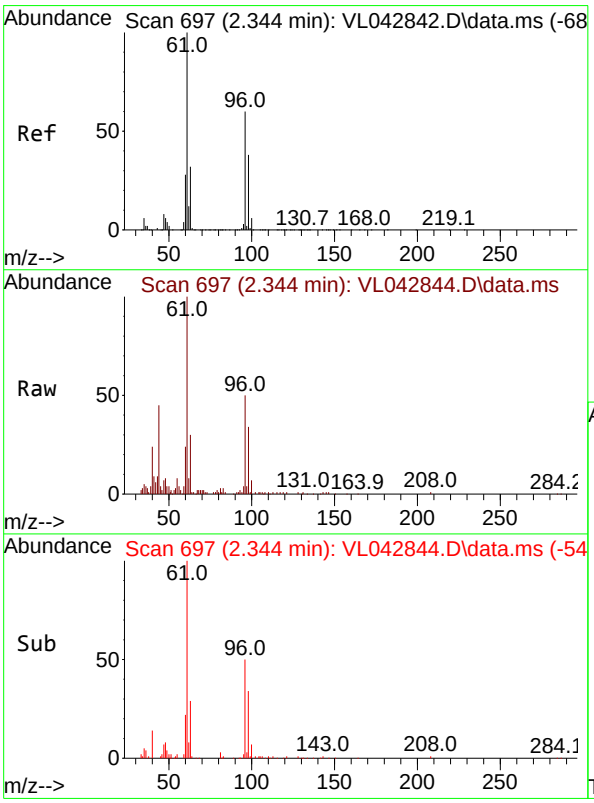
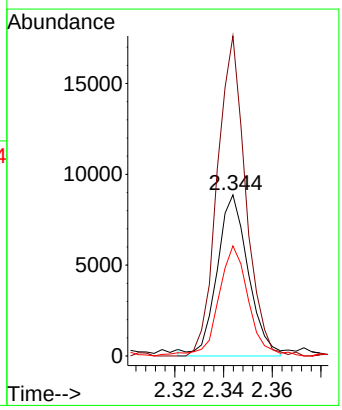
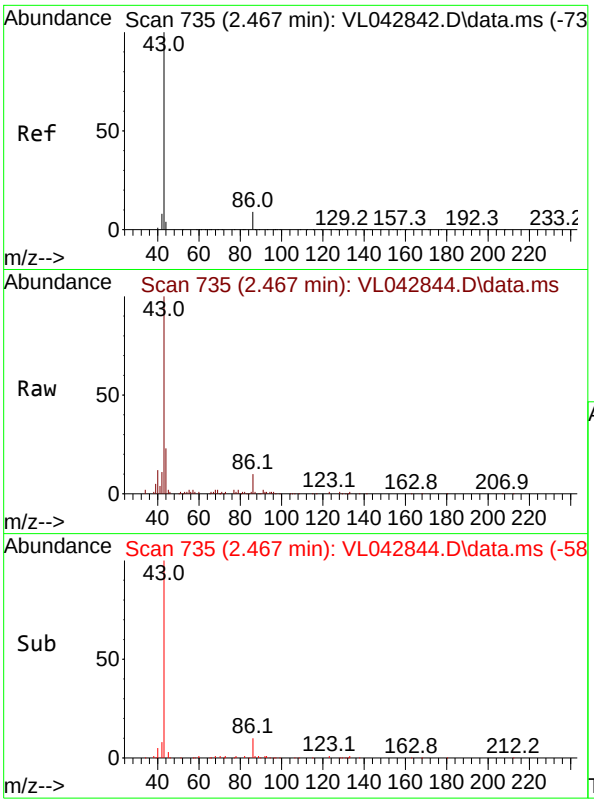


#22
trans-1,2-Dichloroethene
Concen: 1.082 ppbv m
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 96 Resp: 7882

Ion	Ratio	Lower	Upper
96	100		
61	198.6	132.6	199.0
98	68.3	50.0	75.0

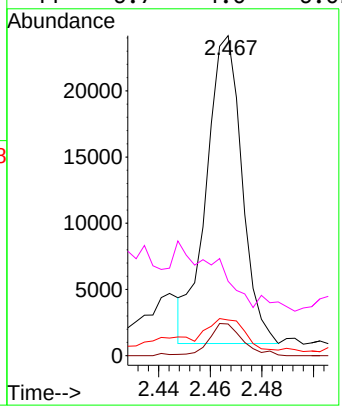




#23
Vinyl Acetate
Concen: 0.996 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 2227

Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	9.8#
42	9.8	7.0	10.6
44	6.7	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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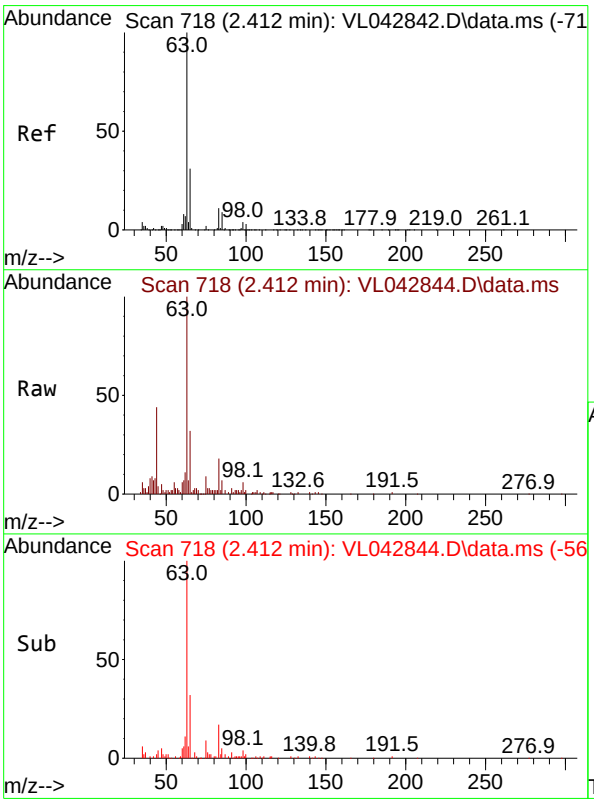
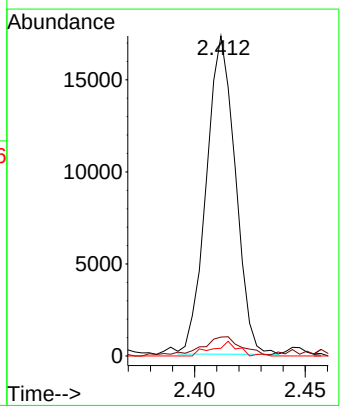
Supervised By :Mahesh Dadoda 08/18/2025

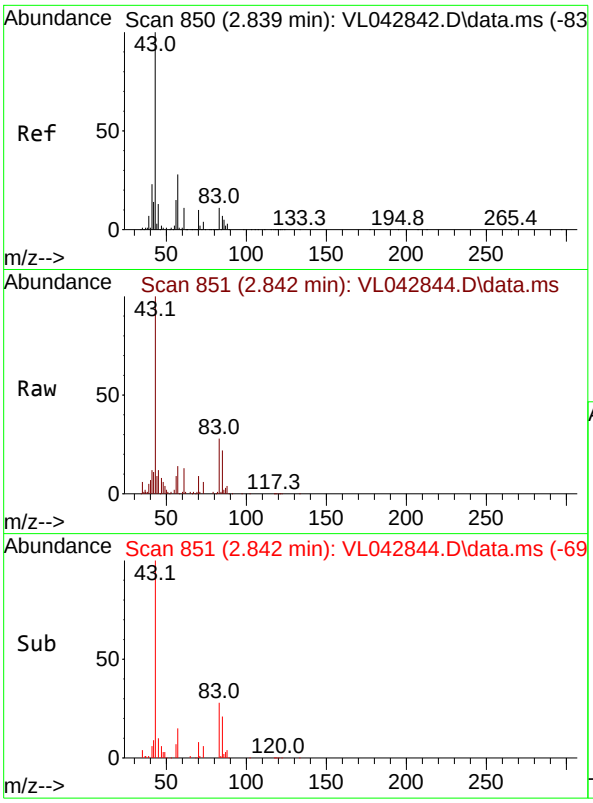


#24
1,1-Dichloroethane
Concen: 1.045 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 63 Resp: 15727

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.7	5.1

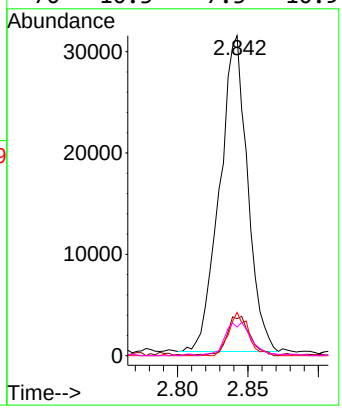




#25
Ethyl Acetate
Concen: 1.045 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 4300

Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	9.7	7.4	11.2
70	10.3	7.3	10.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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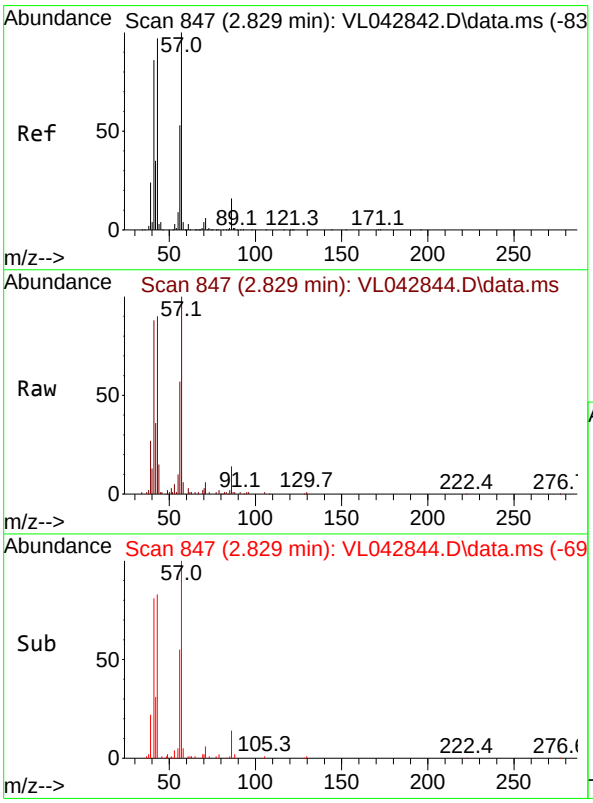
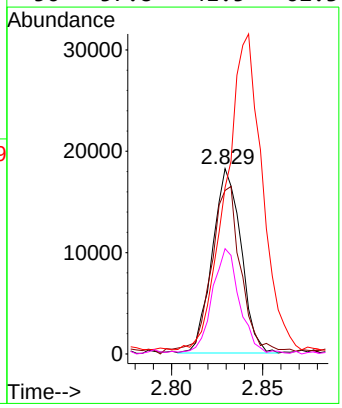
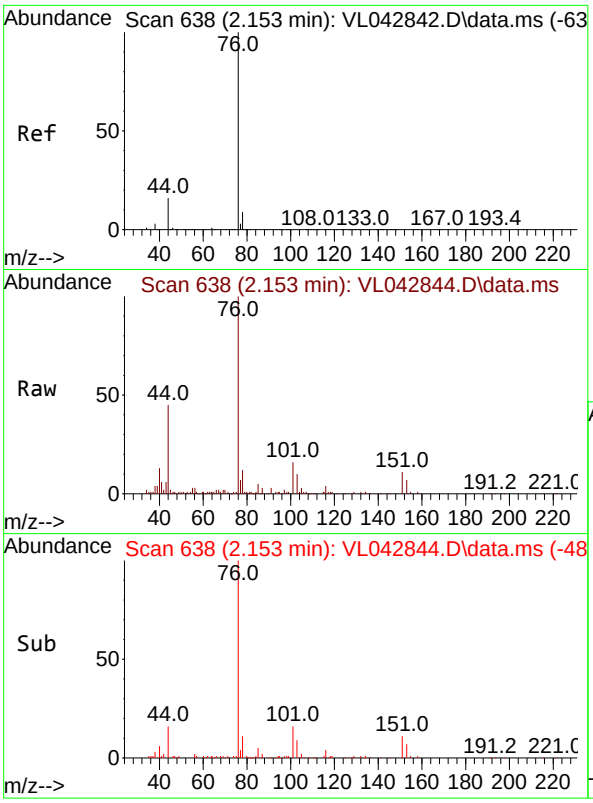


#26
Hexane
Concen: 1.050 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 57 Resp: 19944

Ion	Ratio	Lower	Upper
57	100		
41	93.6	68.6	103.0
43	222.4	168.5	252.7
56	57.8	41.5	62.3

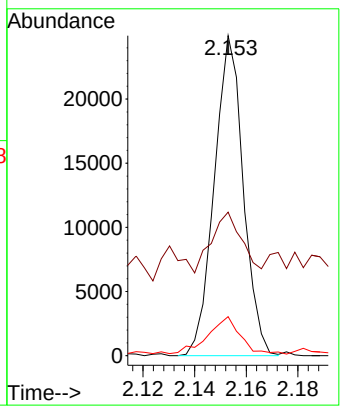




#27
Carbon Disulfide
Concen: 1.052 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 76 Resp: 1945

Ion	Ratio	Lower	Upper
76	100		
44	88.3	15.9	23.9#
78	17.1	9.5	14.3#



Instrument :
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ClientSampleId :
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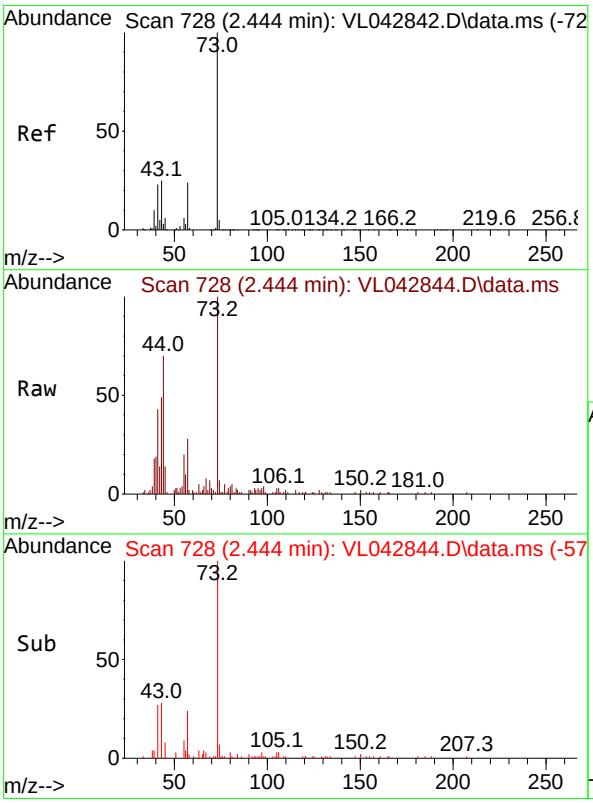
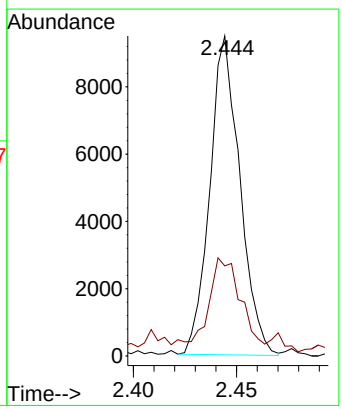
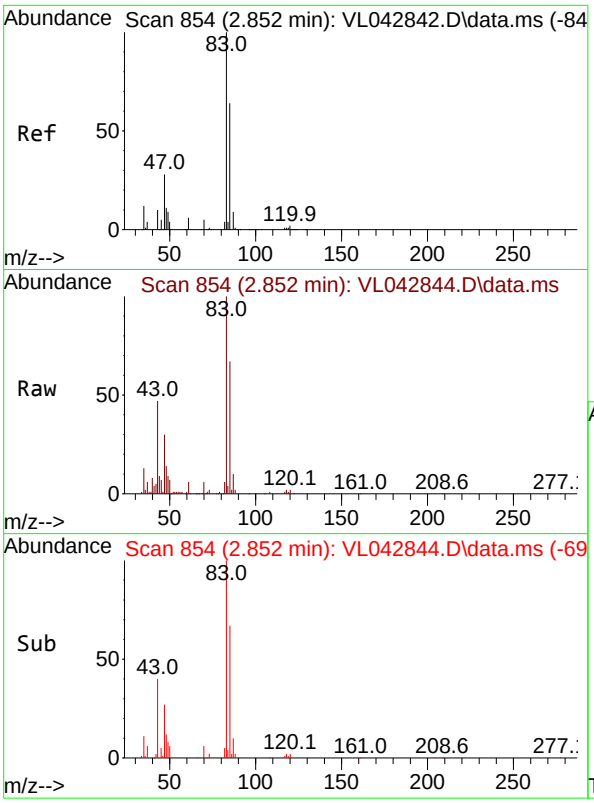


#28
Methyl tert-Butyl Ether
Concen: 0.991 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 73 Resp: 9600

Ion	Ratio	Lower	Upper
73	100		
57	33.4	21.6	32.4#

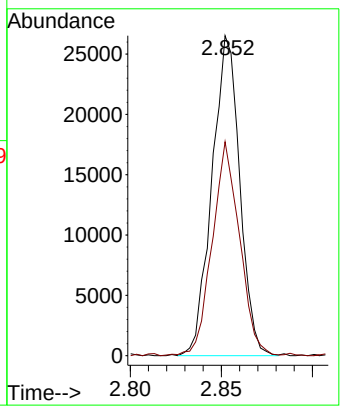




#29
Chloroform
Concen: 1.034 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 2805

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.1	76.7



Instrument :
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ClientSampleId :
VSTDICC001

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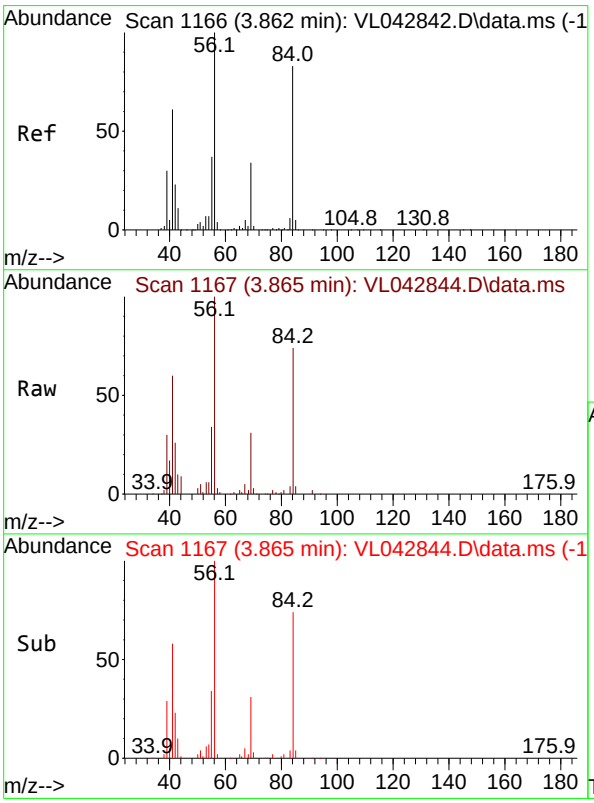
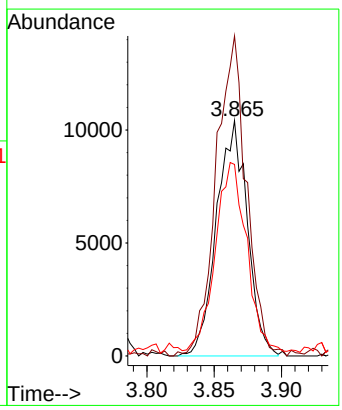
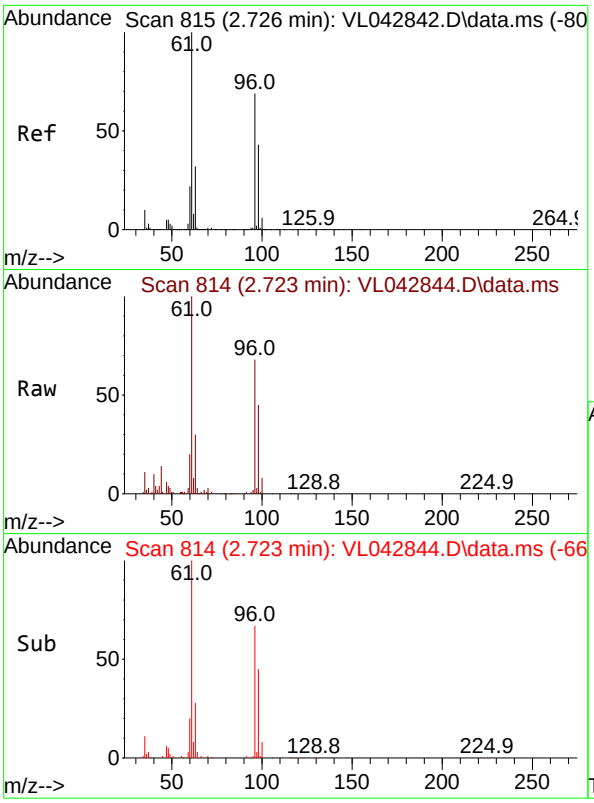


#30
Cyclohexane
Concen: 0.990 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 84 Resp: 16492

Ion	Ratio	Lower	Upper
84	100		
56	135.9	98.8	148.2
41	84.9	61.3	91.9

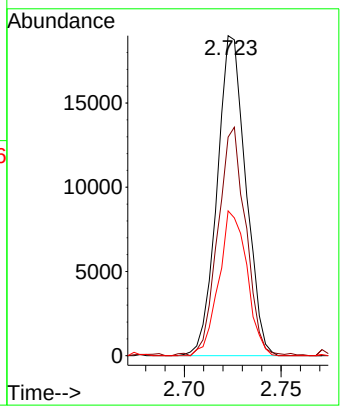




#31
cis-1,2-Dichloroethene
Concen: 1.031 ppbv
RT: 2.723 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 61 Resp: 1959

Ion	Ratio	Lower	Upper
61	100		
96	67.7	55.0	82.6
98	45.2	34.3	51.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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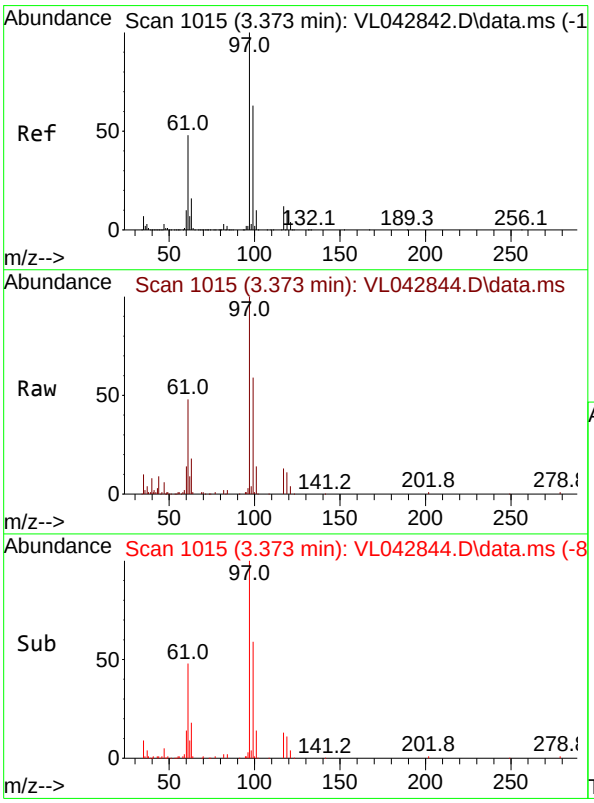
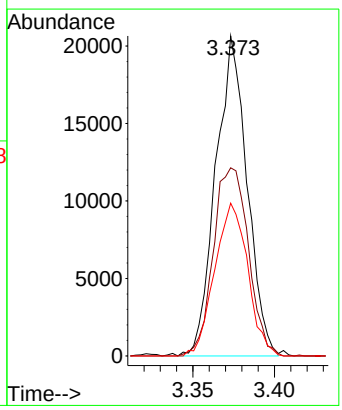
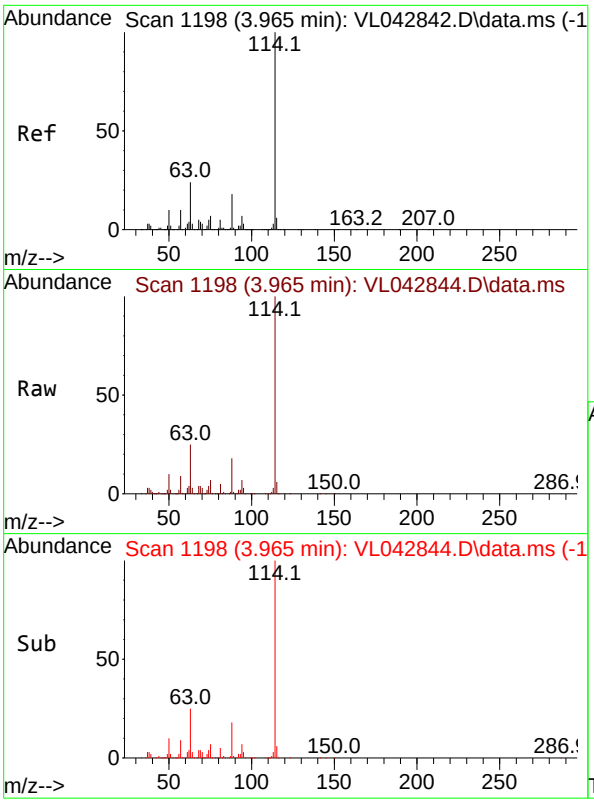


#32
1,1,1-Trichloroethane
Concen: 0.961 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 97 Resp: 27607

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.6
61	50.2	38.0	57.0

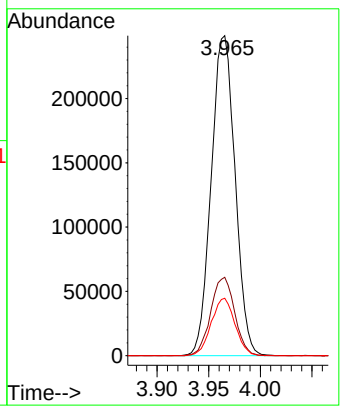




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:114 Resp: 40030

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	17.9	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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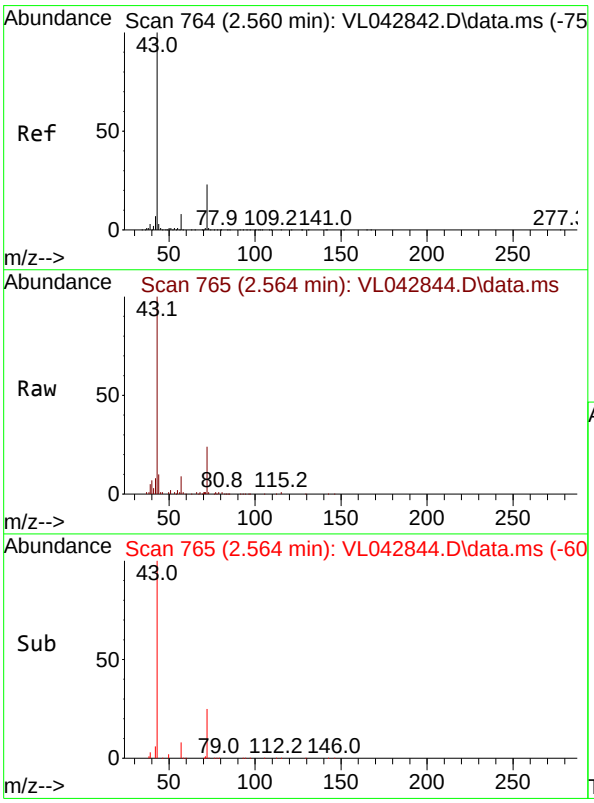
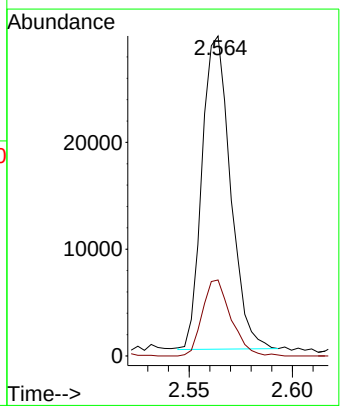
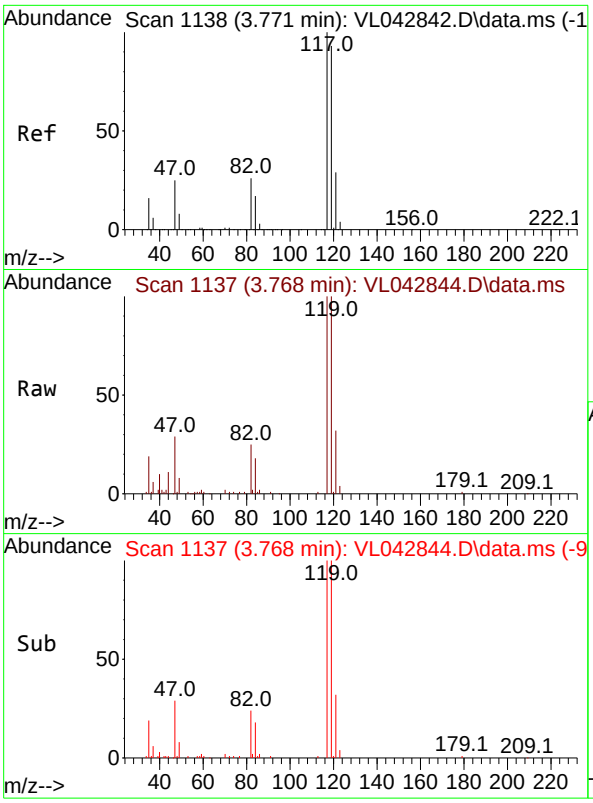


#34
2-Butanone
Concen: 1.040 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 28105

Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.6	28.0

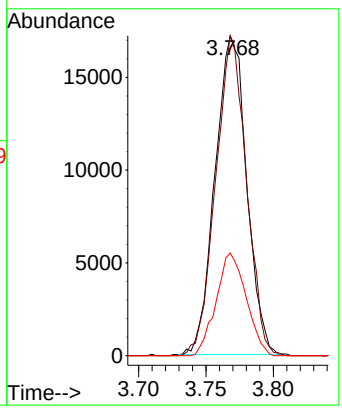




#35
Carbon Tetrachloride
Concen: 1.015 ppbv
RT: 3.768 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:117 Resp: 2800

Ion	Ratio	Lower	Upper
117	100		
119	100.5	74.7	112.1
121	32.3	23.2	34.8



Instrument :
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ClientSampleId :
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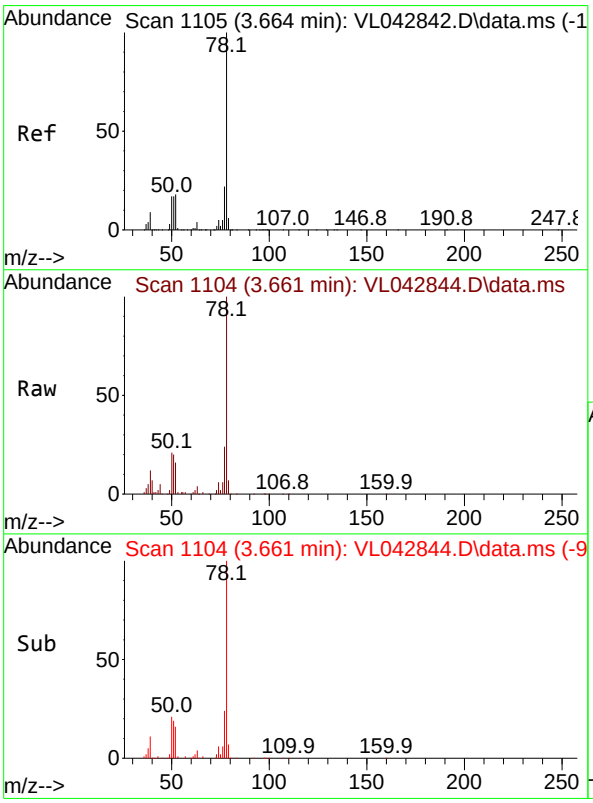
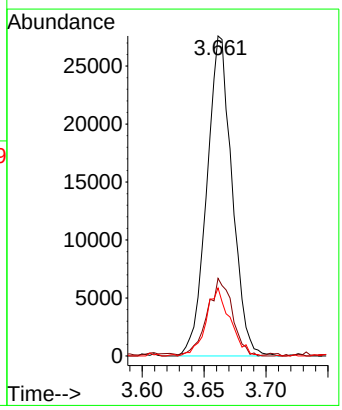
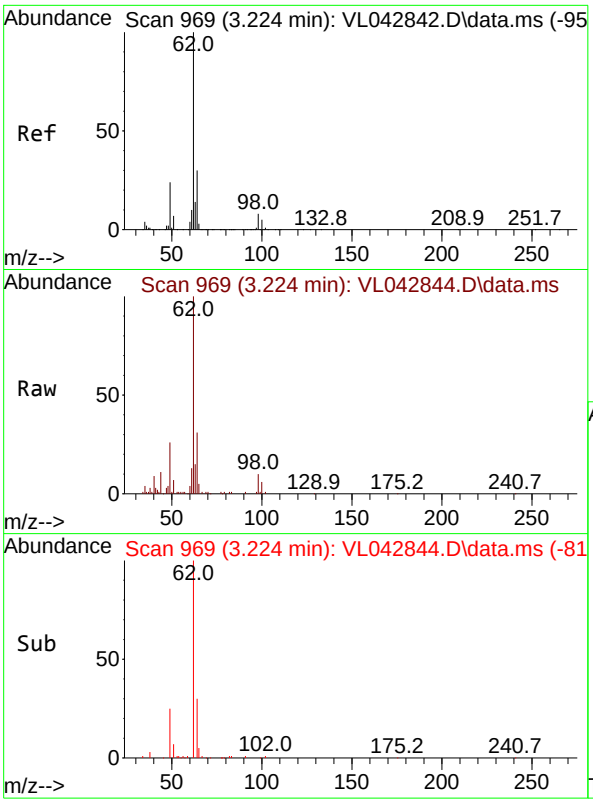


#36
Benzene
Concen: 1.021 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 78 Resp: 39137

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.7	26.5
50	21.1	13.9	20.9#





#37
1,2-Dichloroethane
Concen: 1.031 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 62 Resp: 2064

Ion	Ratio	Lower	Upper
62	100		
98	8.4	5.9	8.9

Instrument :
MSVOA_L
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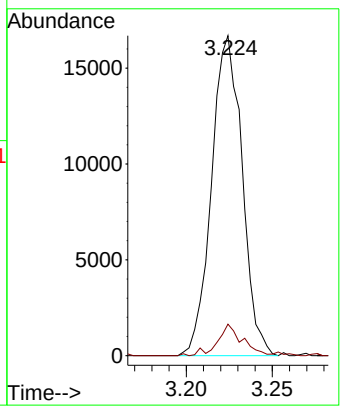
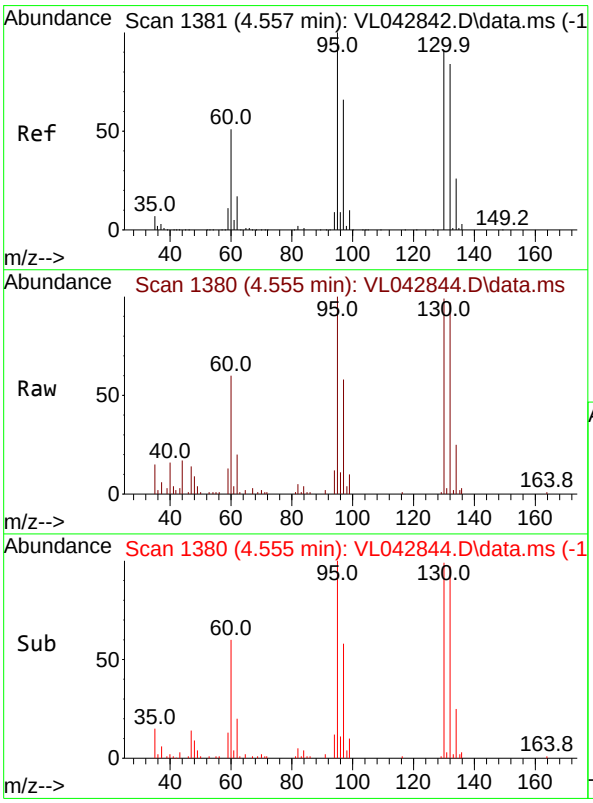
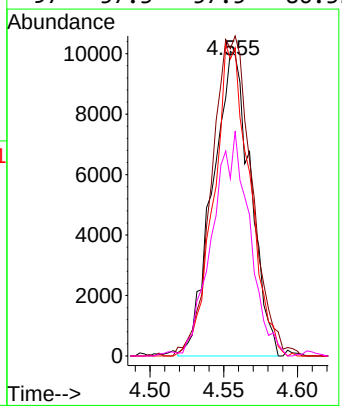


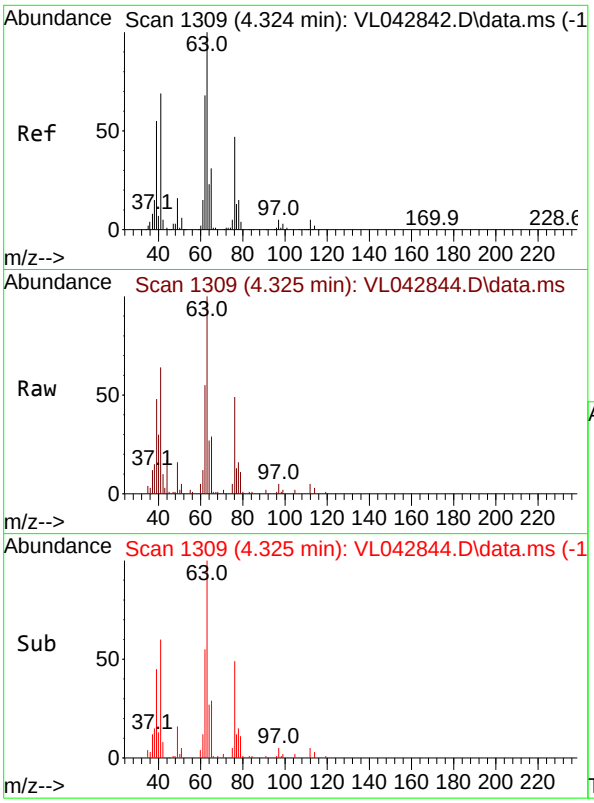


#38
Trichloroethene
Concen: 1.024 ppbv
RT: 4.555 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:130 Resp: 17921

Ion	Ratio	Lower	Upper
130	100		
95	97.9	87.6	131.4
132	96.6	73.8	110.8
97	57.3	57.5	86.3#

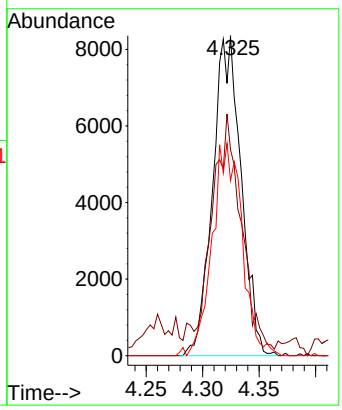




#39
1,2-Dichloropropane
Concen: 1.042 ppbv m
RT: 4.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 63 Resp: 1459

Ion	Ratio	Lower	Upper
63	100		
41	64.4	55.0	82.4
62	54.7	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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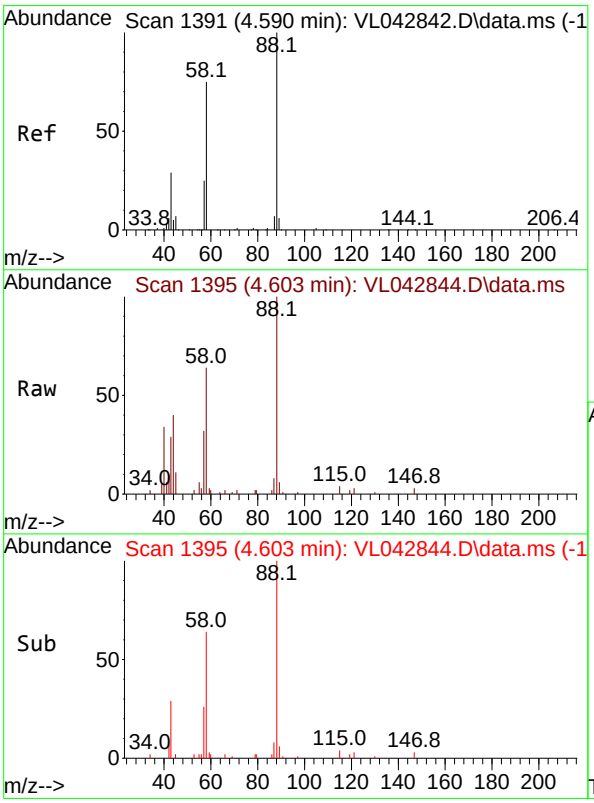
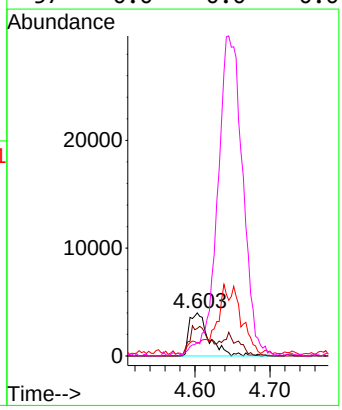
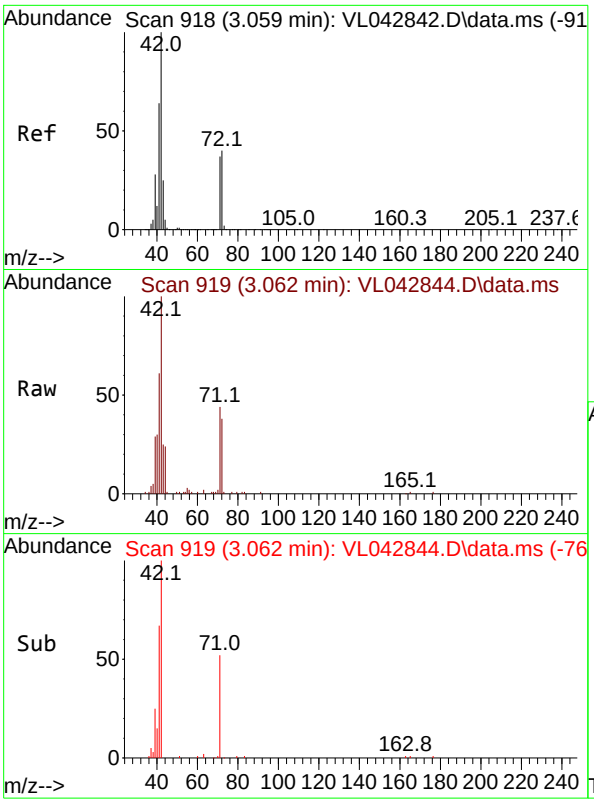


#40
1,4-Dioxane
Concen: 1.127 ppbv m
RT: 4.603 min Scan# 1395
Delta R.T. 0.013 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 88 Resp: 7386

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.8	80.6#
43	0.0	22.8	34.2#
57	0.0	0.0	0.0

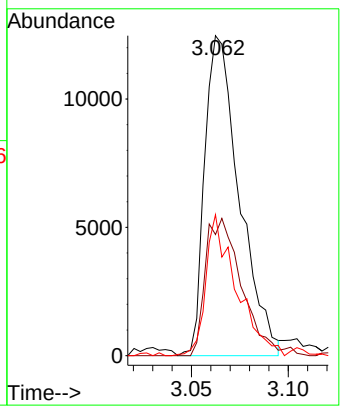




#41
Tetrahydrofuran
Concen: 1.032 ppbv
RT: 3.062 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 42 Resp: 1555

Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.6	48.8
71	40.1	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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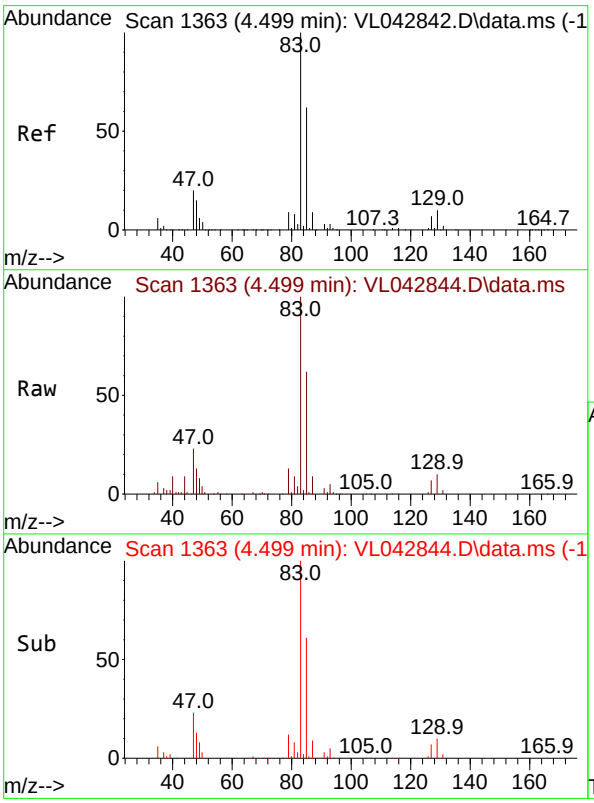
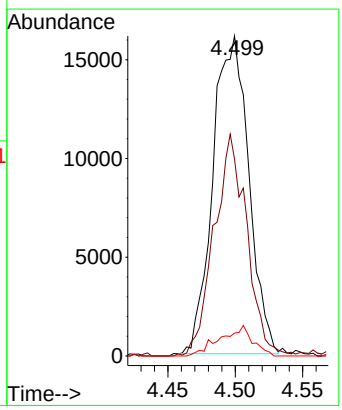
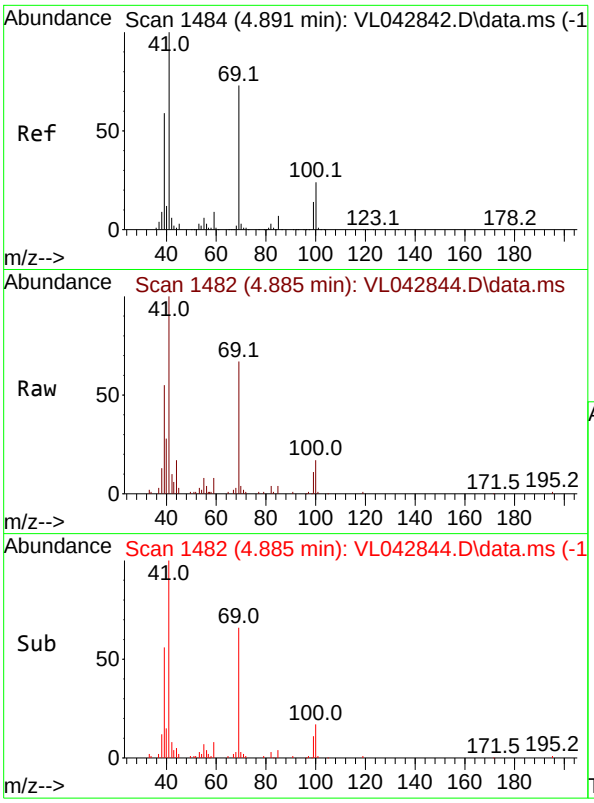


#42
Bromodichloromethane
Concen: 0.995 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 29683

Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.8	74.8
127	7.2	5.8	8.6

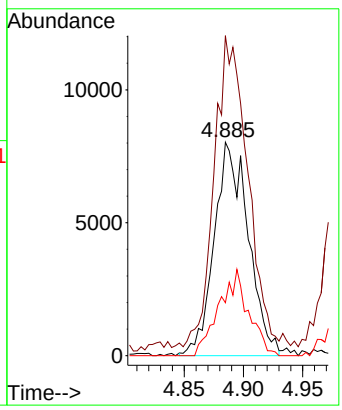




#43
Methyl Methacrylate
Concen: 1.022 ppbv m
RT: 4.885 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 69 Resp: 1607

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.6	172.0
100	35.1	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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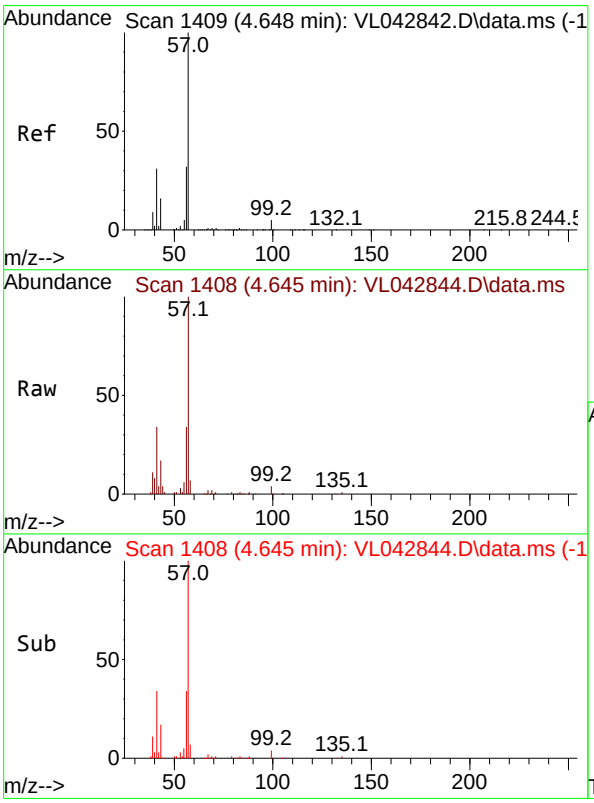
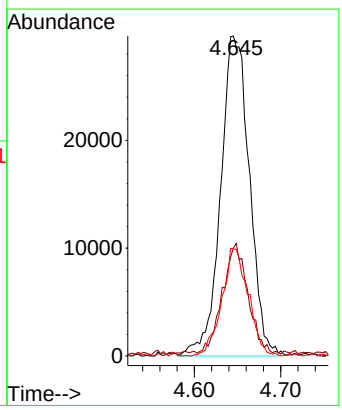
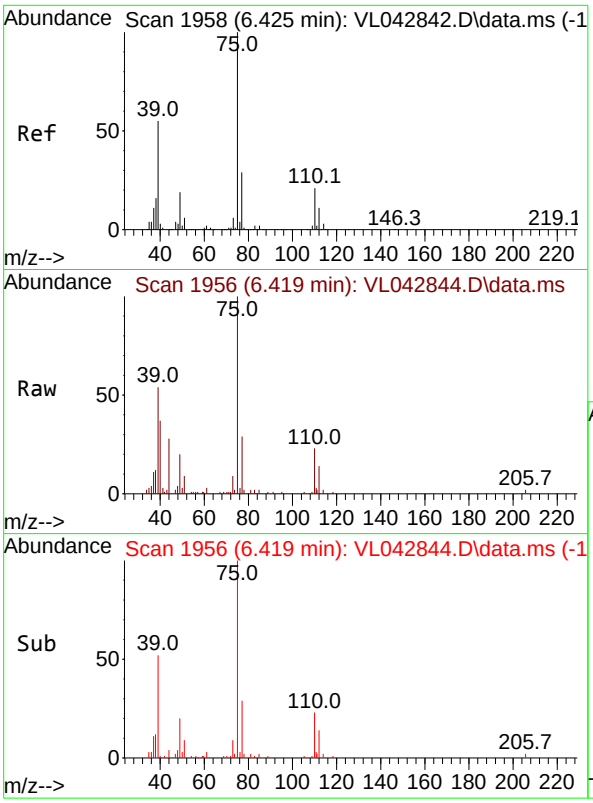


#44
2,2,4-Trimethylpentane
Concen: 1.069 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 57 Resp: 68813

Ion	Ratio	Lower	Upper
57	100		
41	32.7	24.8	37.2
56	31.3	25.5	38.3

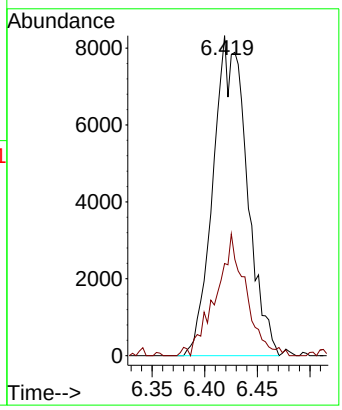




#45
t-1,3-Dichloropropene
Concen: 1.042 ppbv m
RT: 6.419 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 75 Resp: 1858

Ion	Ratio	Lower	Upper
75	100		
77	28.8	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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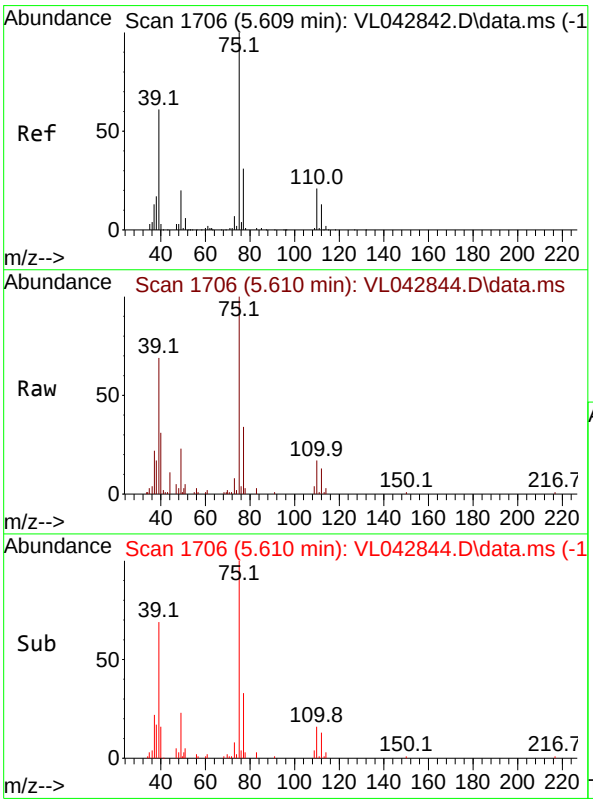
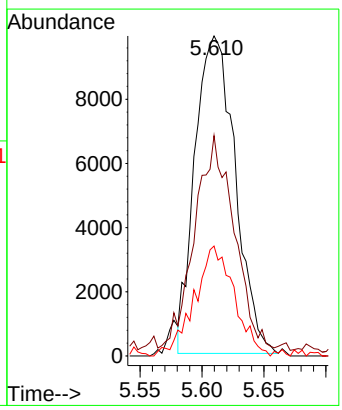
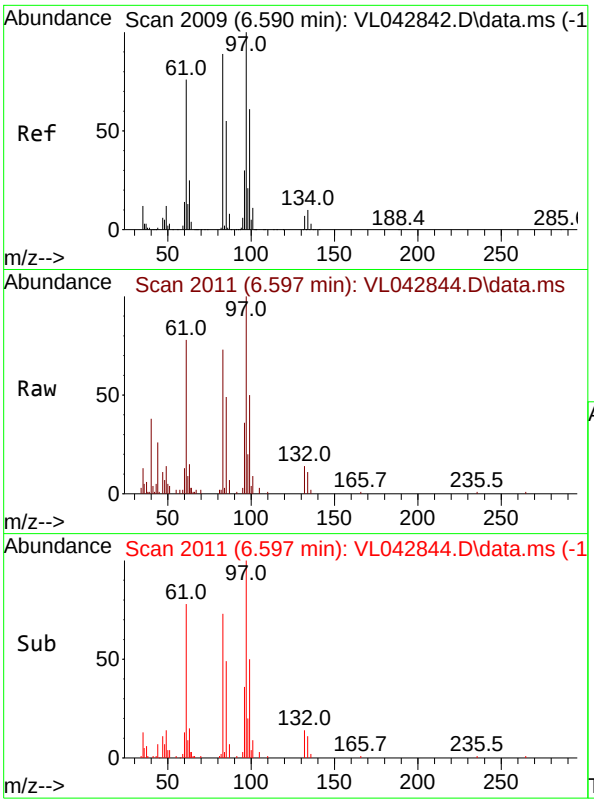


#46
cis-1,3-Dichloropropene
Concen: 0.999 ppbv
RT: 5.610 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 75 Resp: 22372

Ion	Ratio	Lower	Upper
75	100		
39	66.4	48.9	73.3
77	33.8	24.9	37.3

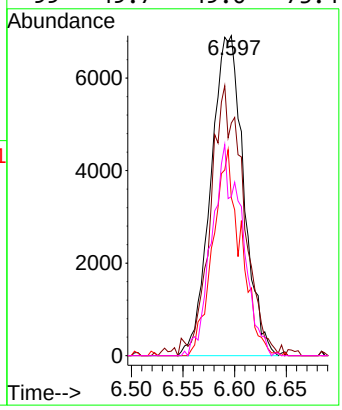




#47
1,1,2-Trichloroethane
Concen: 1.032 ppbv
RT: 6.597 min Scan# 2(
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 97 Resp: 1529

Ion	Ratio	Lower	Upper
97	100		
83	72.7	71.0	106.4
85	49.4	43.6	65.4
99	49.7	49.0	73.4



Instrument :
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ClientSampleId :
VSTDICC001

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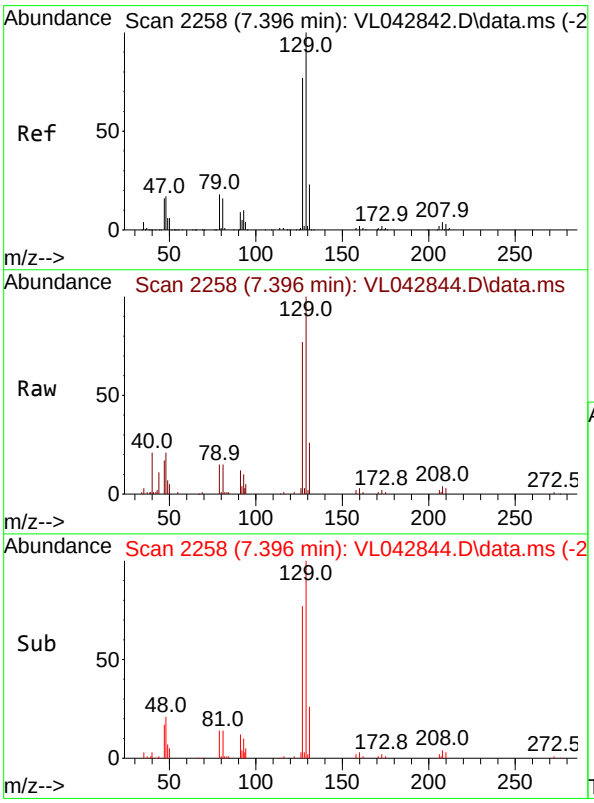
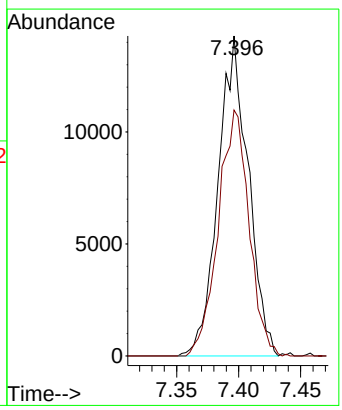
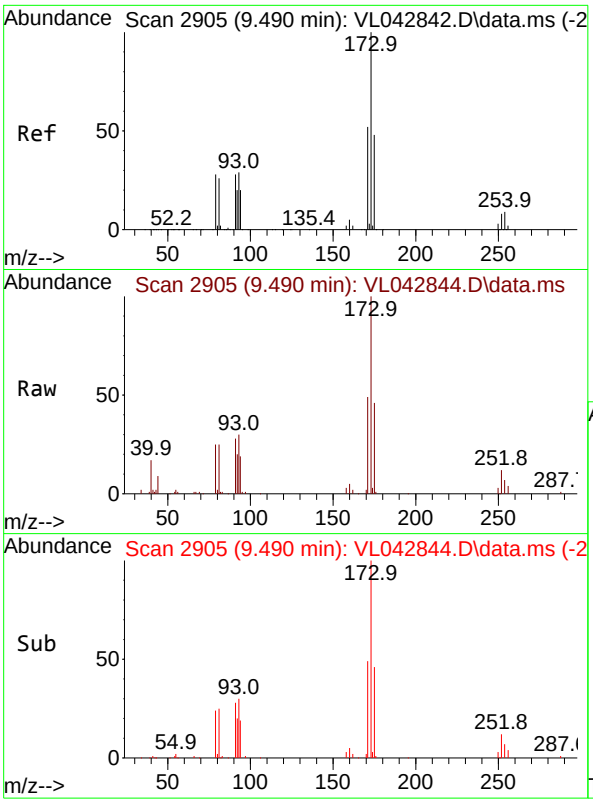


#48
Dibromochloromethane
Concen: 1.009 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:129 Resp: 24214

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2

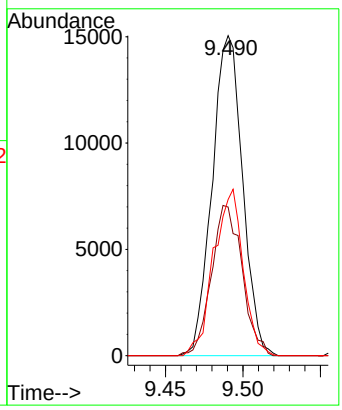




#49
Bromoform
Concen: 1.040 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:173 Resp: 2057

Ion	Ratio	Lower	Upper
173	100		
175	47.3	39.2	58.8
171	50.3	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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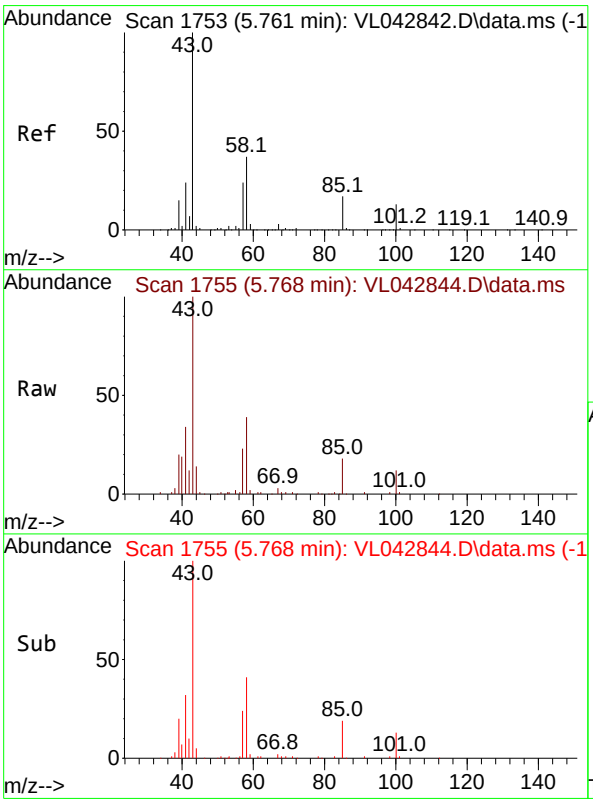
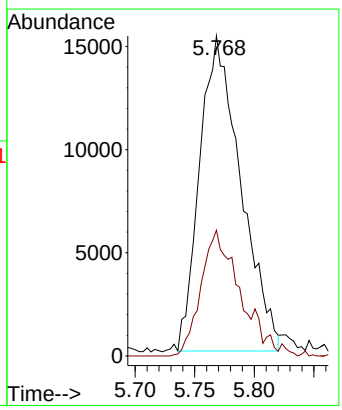
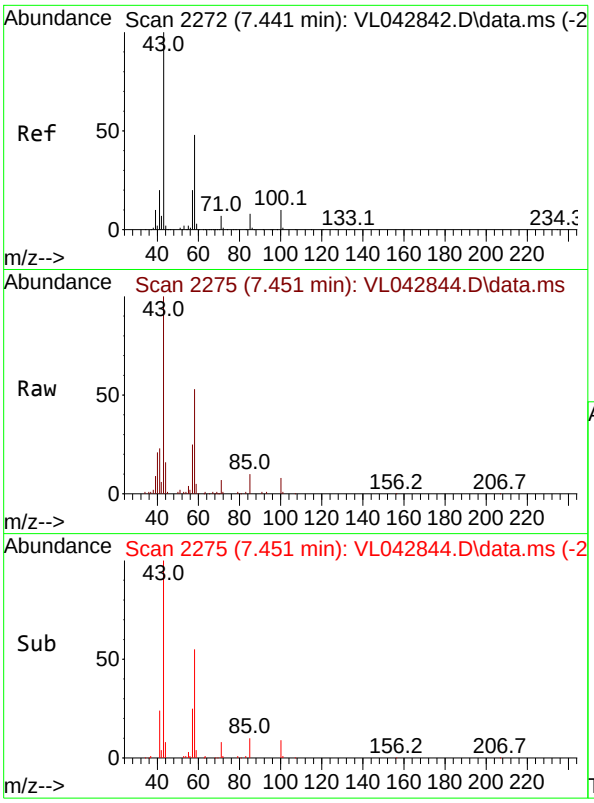


#50
4-Methyl-2-Pentanone
Concen: 1.001 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 36710

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.8	44.8

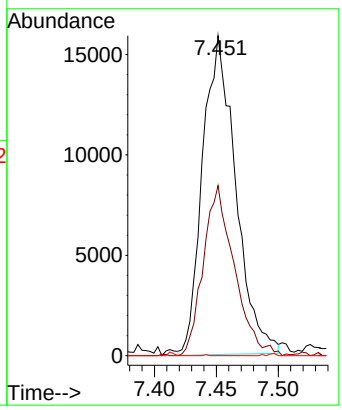




#51
2-Hexanone
Concen: 1.026 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 2948

Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.0	61.6
98	0.2	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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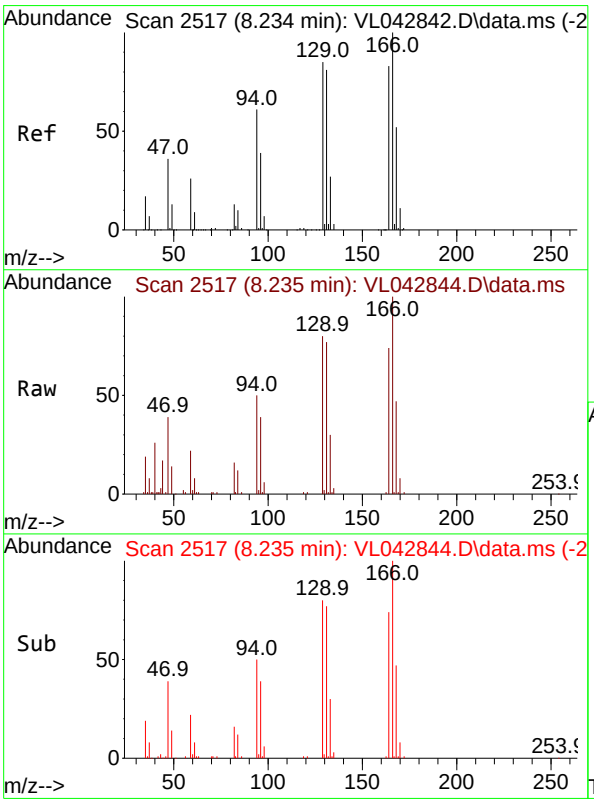
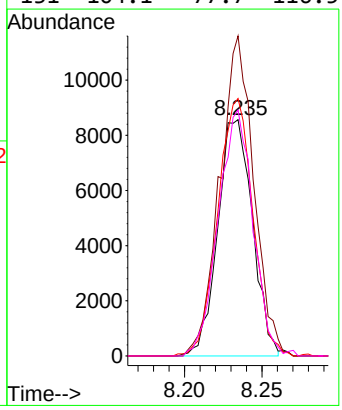
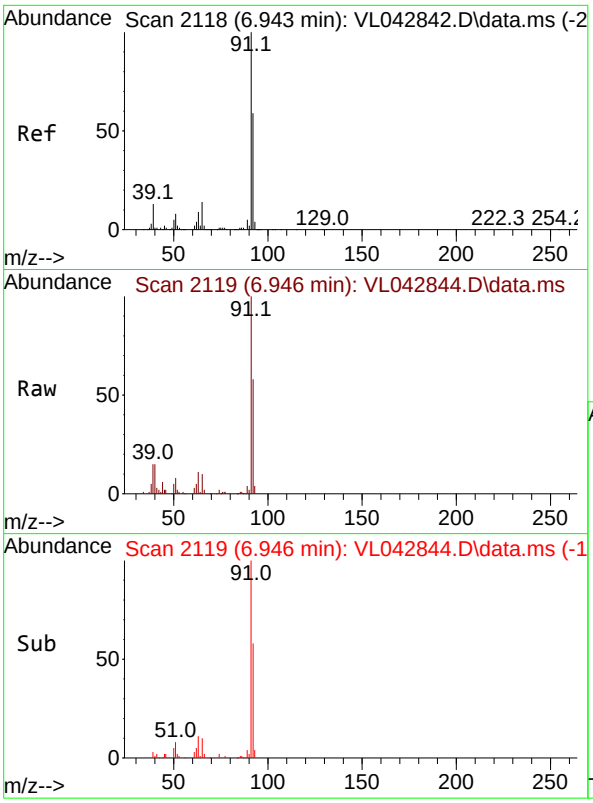


#52
Tetrachloroethene
Concen: 0.960 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:164 Resp: 13322

Ion	Ratio	Lower	Upper
164	100		
166	135.4	96.5	144.7
129	110.5	81.8	122.6
131	104.1	77.7	116.5

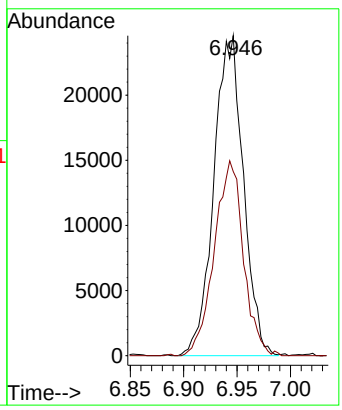




#53
Toluene
Concen: 1.036 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 4725

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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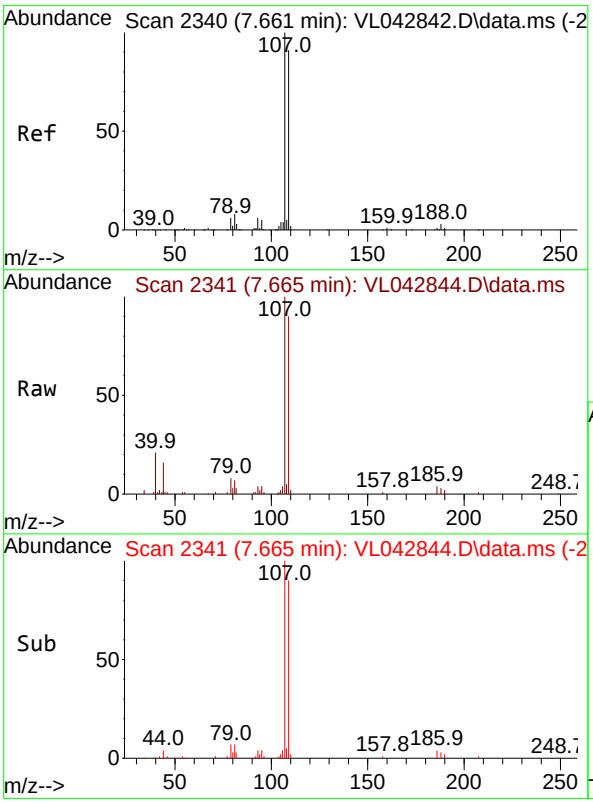
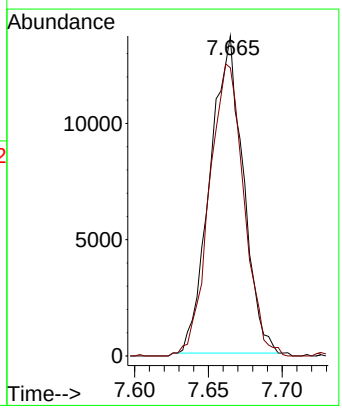
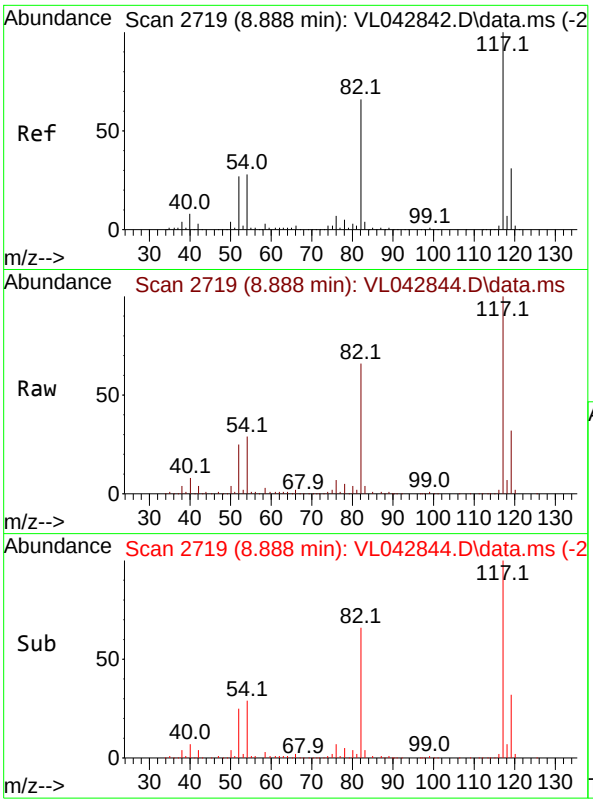


#54
1,2-Dibromoethane
Concen: 0.982 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:107 Resp: 21280

Ion	Ratio	Lower	Upper
107	100		
109	89.9	72.5	108.7

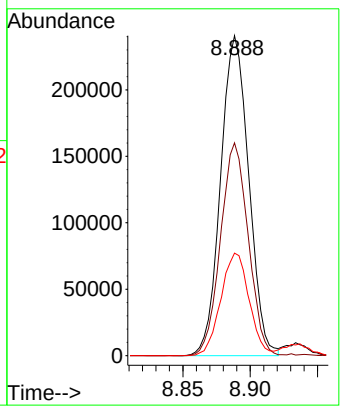




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:117 Resp: 34957

Ion	Ratio	Lower	Upper
117	100		
82	65.9	54.6	81.8
119	32.9	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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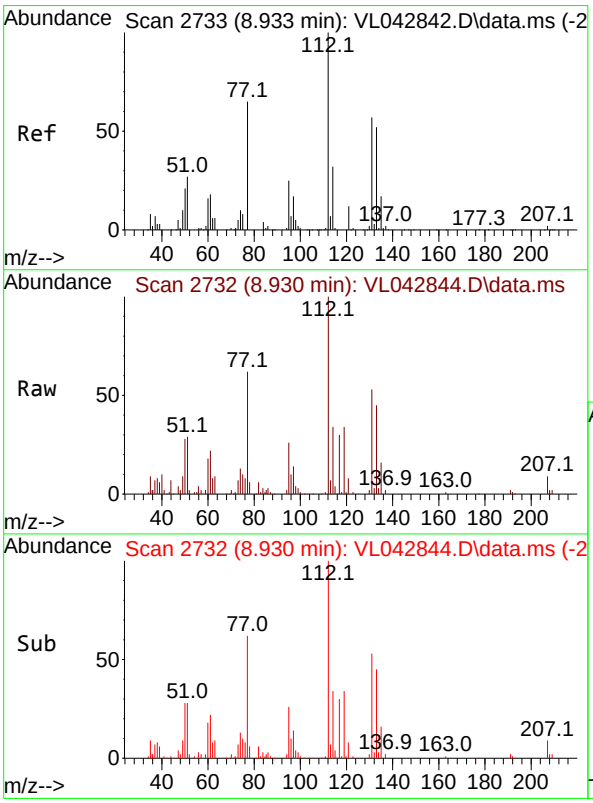
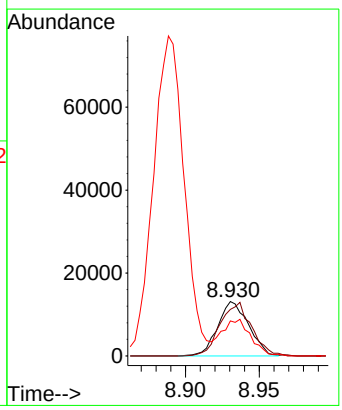
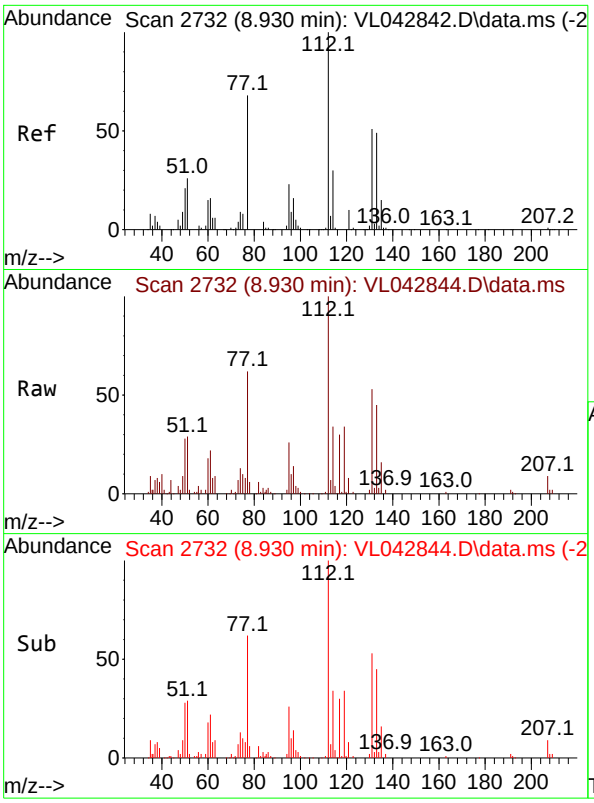


#56
1,1,1,2-Tetrachloroethane
Concen: 1.061 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:131 Resp: 19176

Ion	Ratio	Lower	Upper
131	100		
133	99.8	77.4	116.0
119	59.0	51.2	76.8

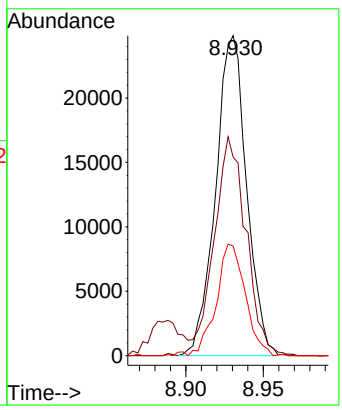




#57
Chlorobenzene
Concen: 1.041 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:112 Resp: 3461

Ion	Ratio	Lower	Upper
112	100		
77	61.0	55.5	83.3
114	34.0	27.2	33.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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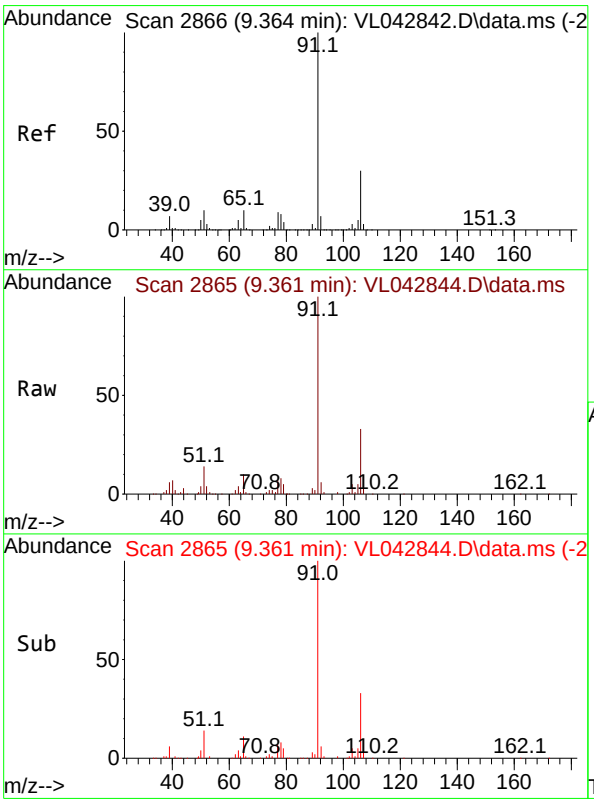
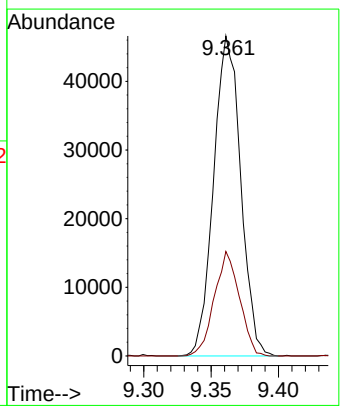
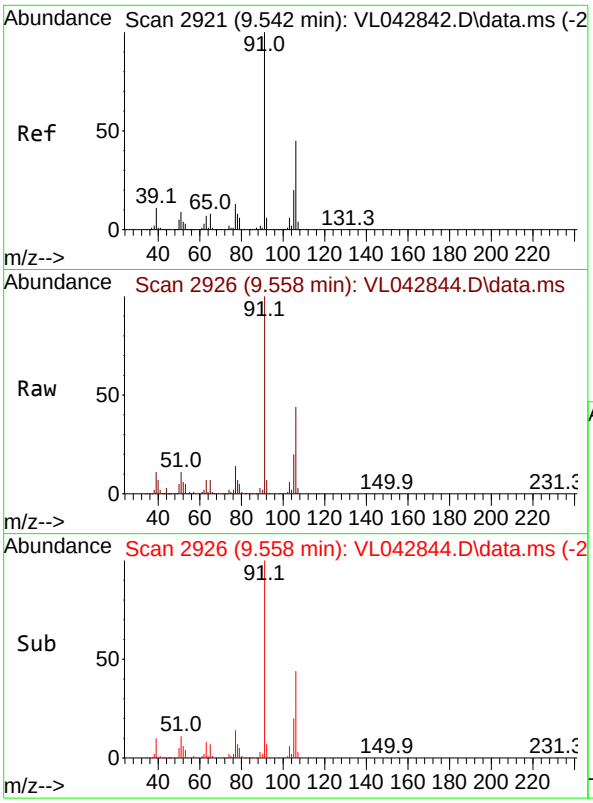


#58
Ethyl Benzene
Concen: 1.057 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 65223

Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.9	35.9

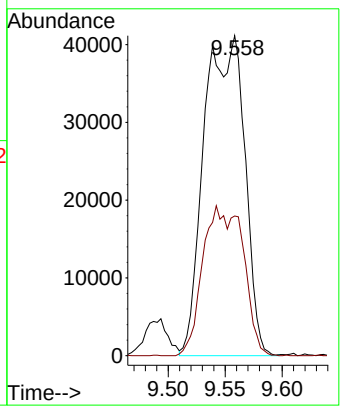




#59
m/p-Xylene
Concen: 2.098 ppbv m
RT: 9.558 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 10163

Ion	Ratio	Lower	Upper
91	100		
106	46.6	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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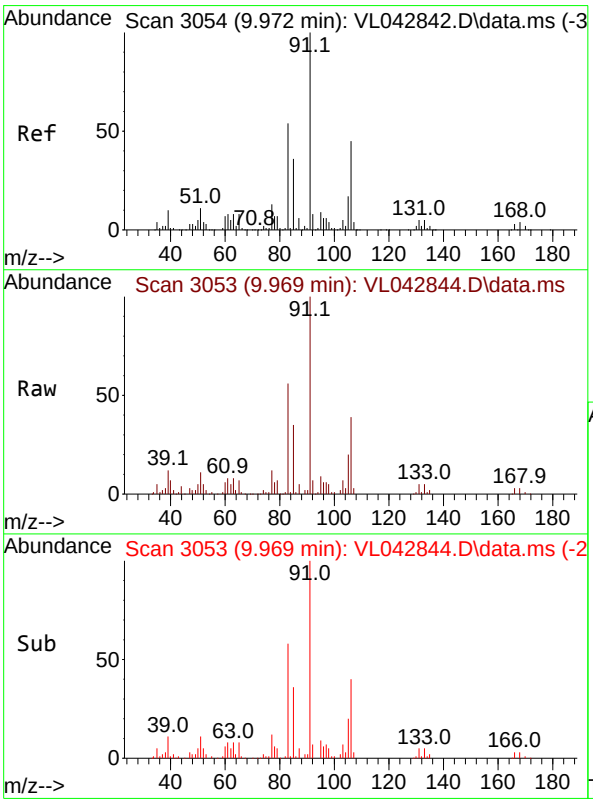
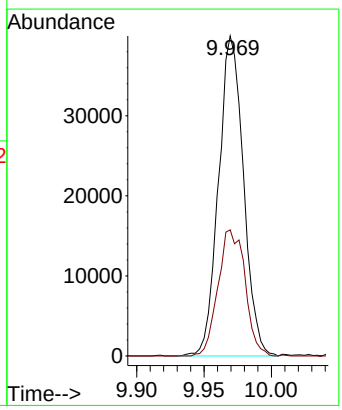
Supervised By :Mahesh Dadoda 08/18/2025

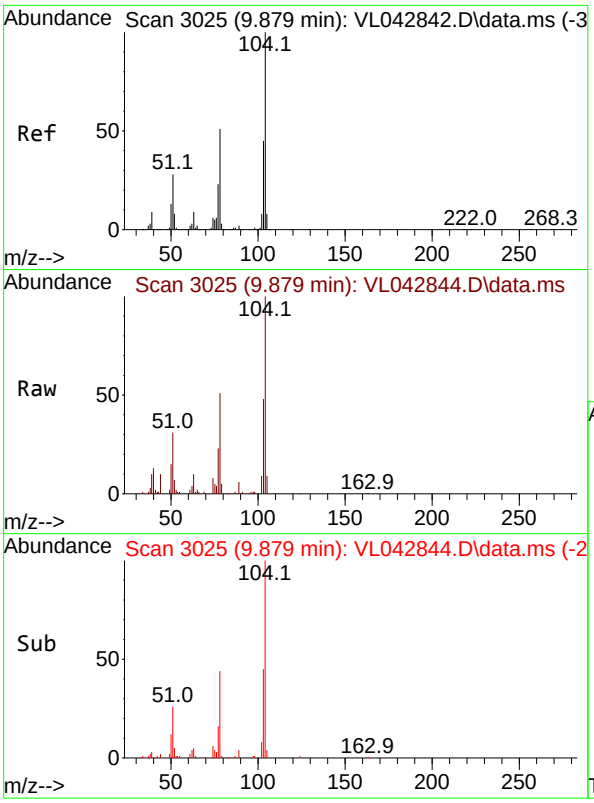


#60
o-Xylene
Concen: 1.058 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 51445

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.8	65.4

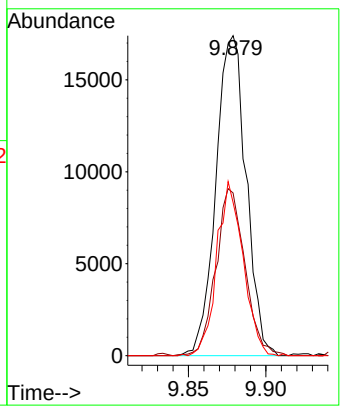




#61
Styrene
Concen: 1.038 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:104 Resp: 2366

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.6	61.0
103	47.3	37.7	56.5



Instrument :
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ClientSampleId :
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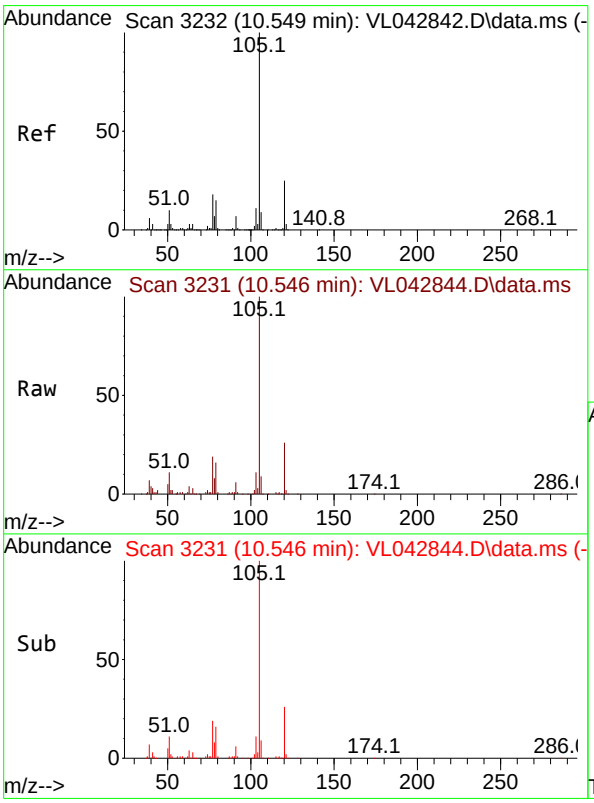
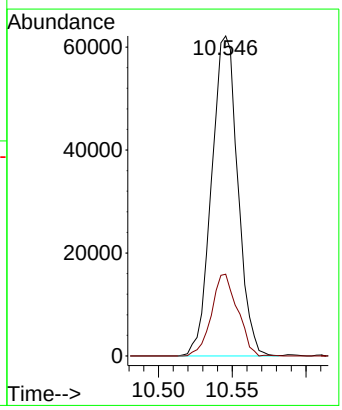
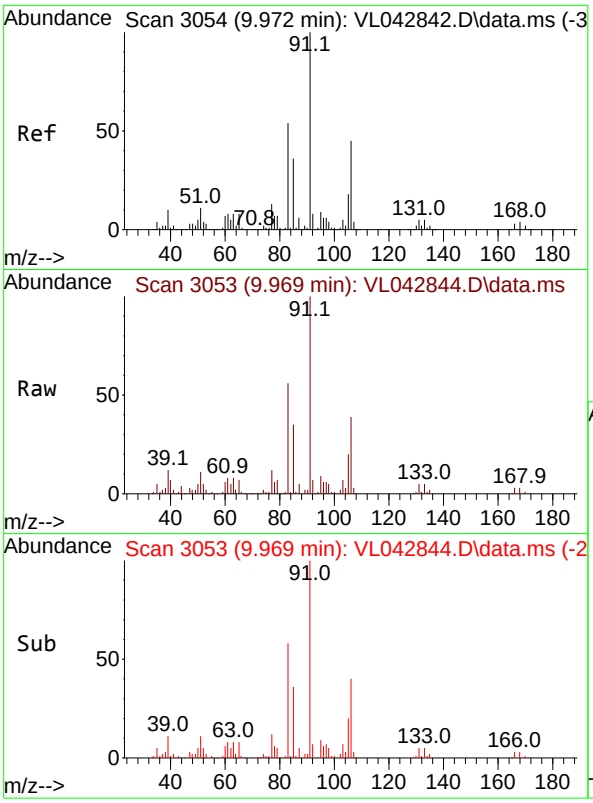


#62
Isopropylbenzene
Concen: 1.079 ppbv
RT: 10.546 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 76708

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	30.8

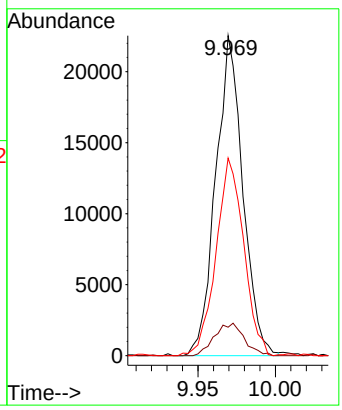




#63
1,1,2,2-Tetrachloroethane
Concen: 1.032 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 2741

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.8	14.3
85	63.5	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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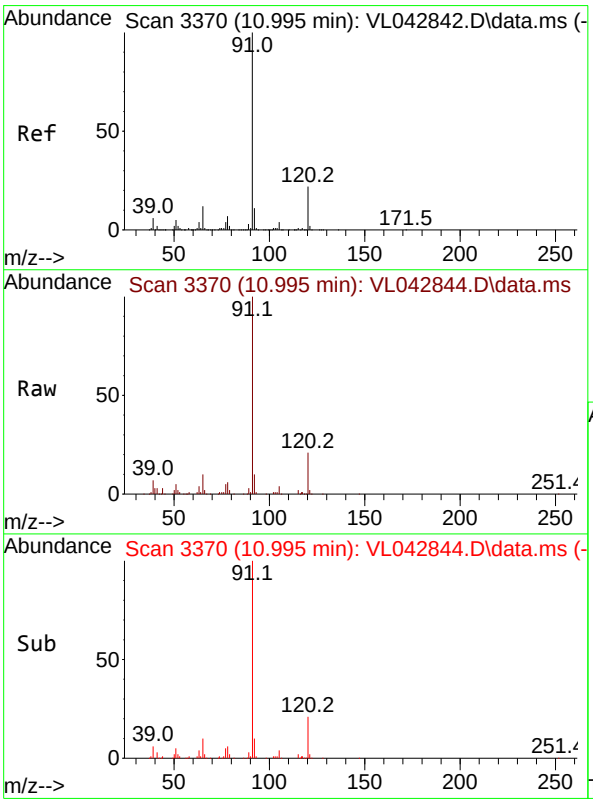
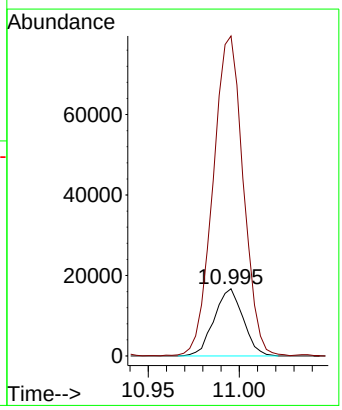
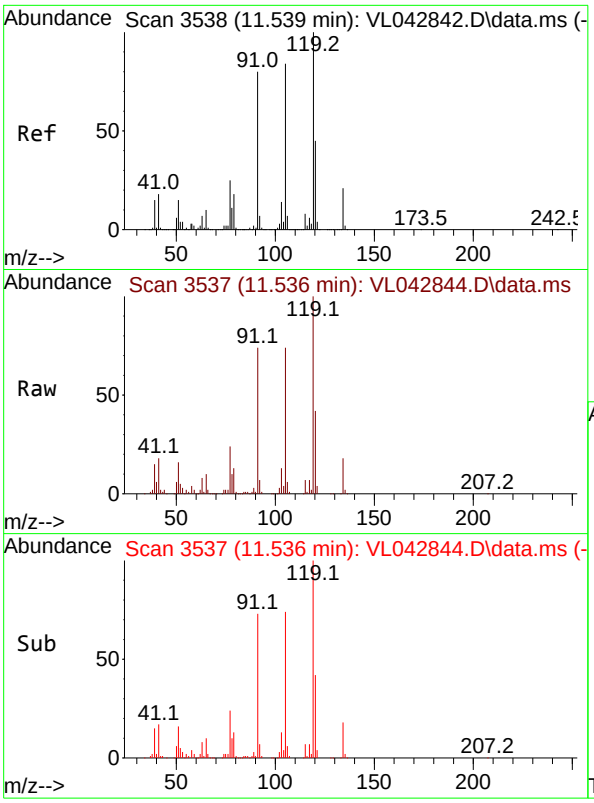


#64
n-propylbenzene
Concen: 1.018 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:120 Resp: 18462

Ion	Ratio	Lower	Upper
120	100		
91	496.0	375.8	563.6

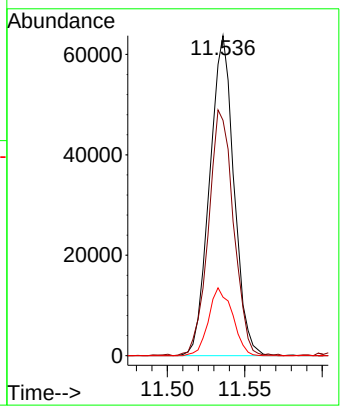




#65
tert-Butylbenzene
Concen: 1.111 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:119 Resp: 6961

Ion	Ratio	Lower	Upper
119	100		
91	79.3	63.9	95.9
134	20.9	17.0	25.4



Instrument :
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ClientSampleId :
VSTDICC001

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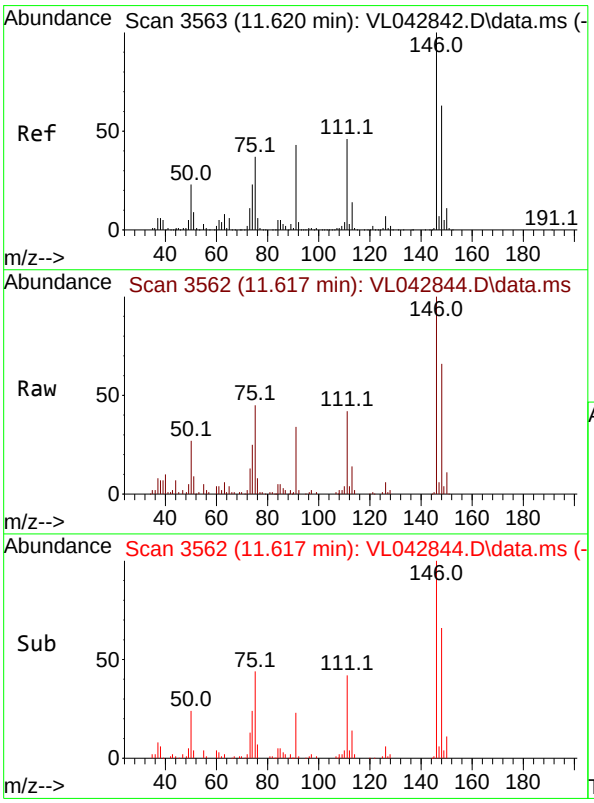
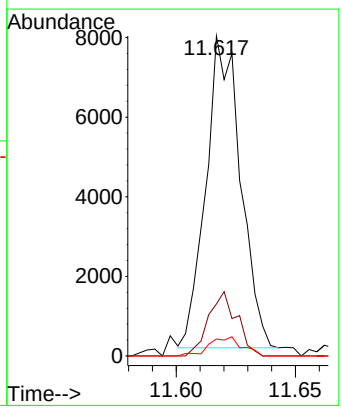
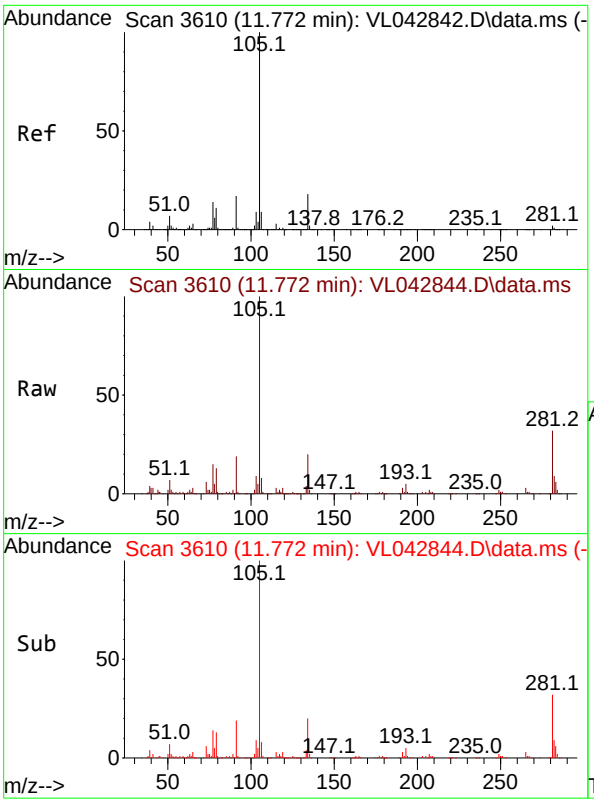


#66
Benzyl Chloride
Concen: 0.993 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 7900

Ion	Ratio	Lower	Upper
91	100		
126	16.9	14.2	21.4
128	5.8	5.0	7.6

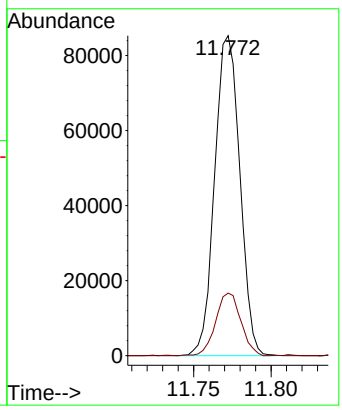




#67
sec-Butylbenzene
Concen: 1.095 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 9628

Ion	Ratio	Lower	Upper
105	100		
134	19.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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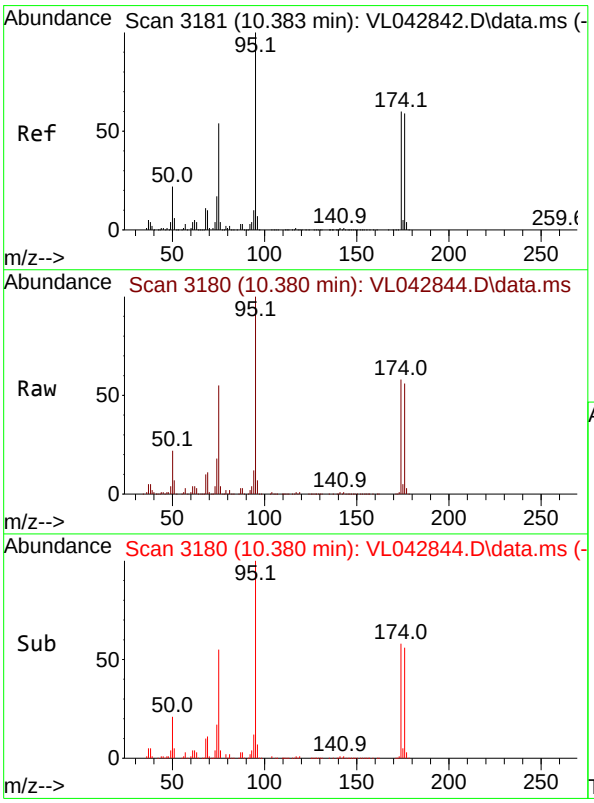
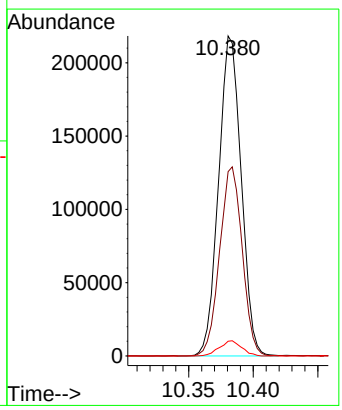
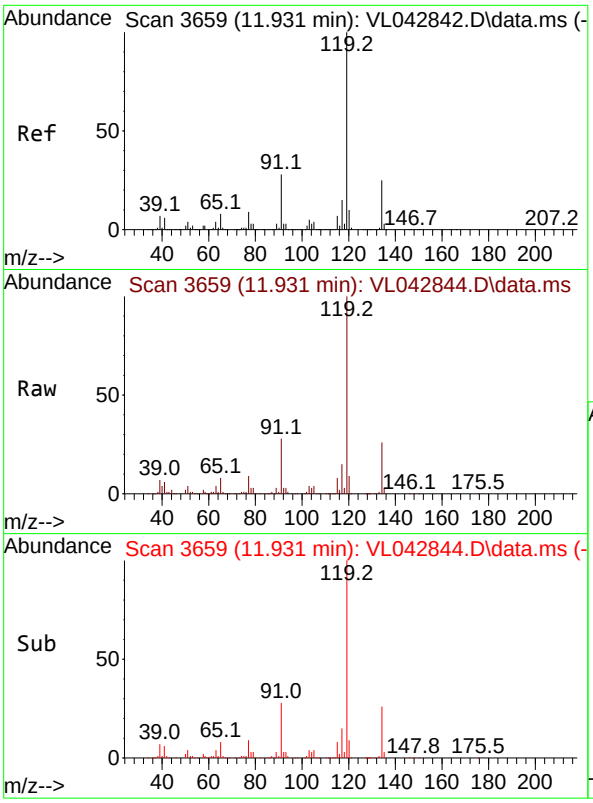


#68
1-Bromo-4-Fluorobenzene
Concen: 10.135 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 95 Resp: 265708

Ion	Ratio	Lower	Upper
95	100		
174	59.1	48.4	72.6
175	4.7	3.8	5.8

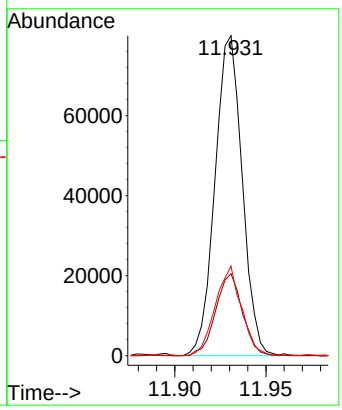




#69
p-Isopropyltoluene
Concen: 1.098 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:119 Resp: 8293

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	27.2	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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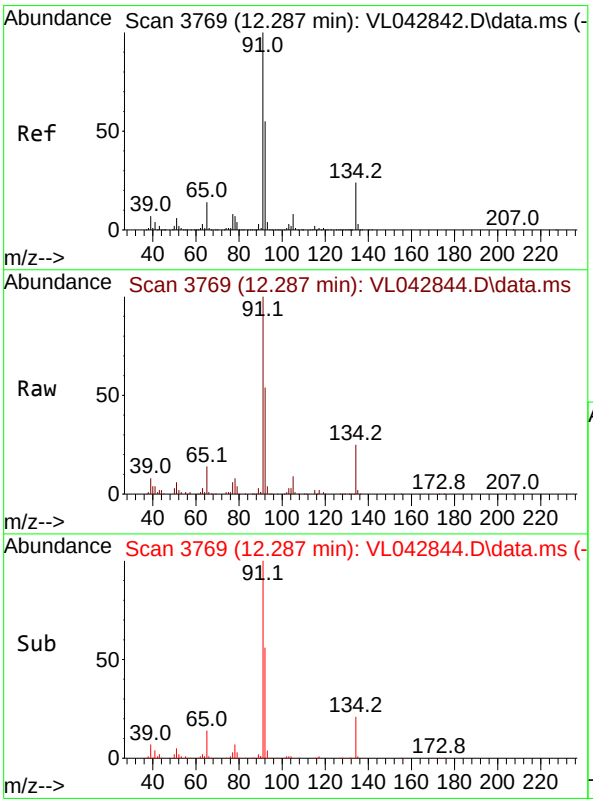
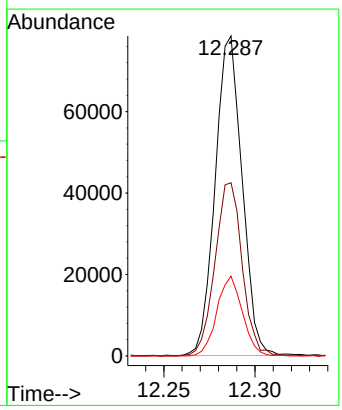
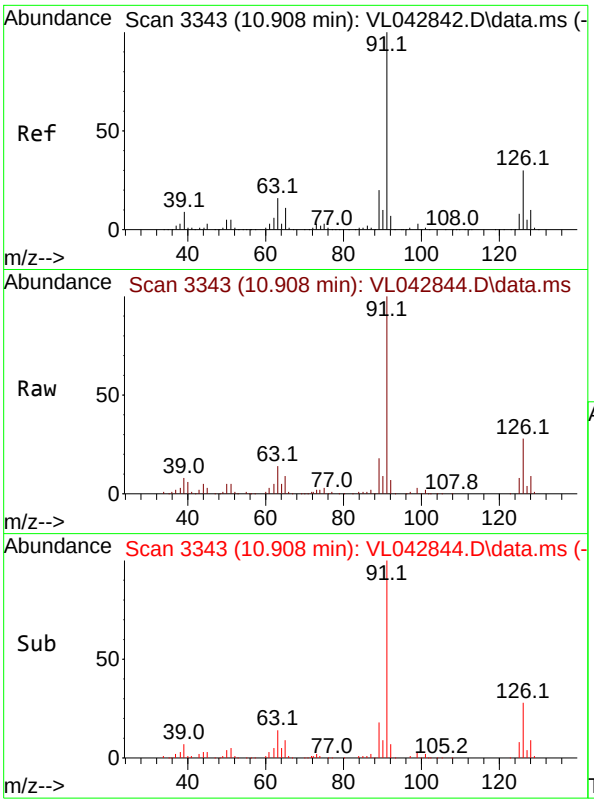


#70
n-Butylbenzene
Concen: 1.075 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 80511

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	23.7	19.0	28.4

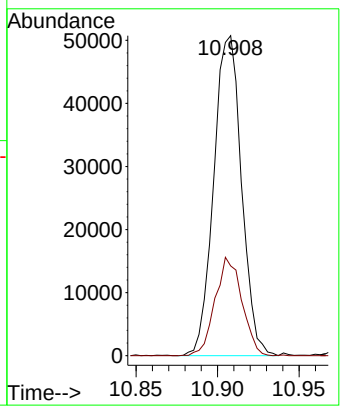




#71
2-Chlorotoluene
Concen: 1.089 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 6008

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	47.8



Instrument :
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ClientSampleId :
VSTDICC001

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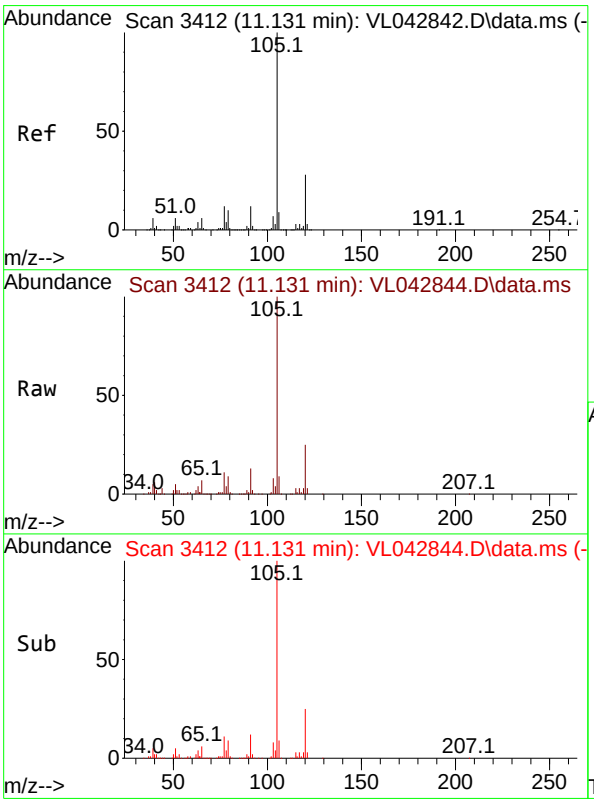
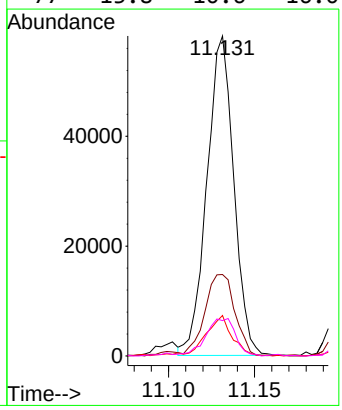
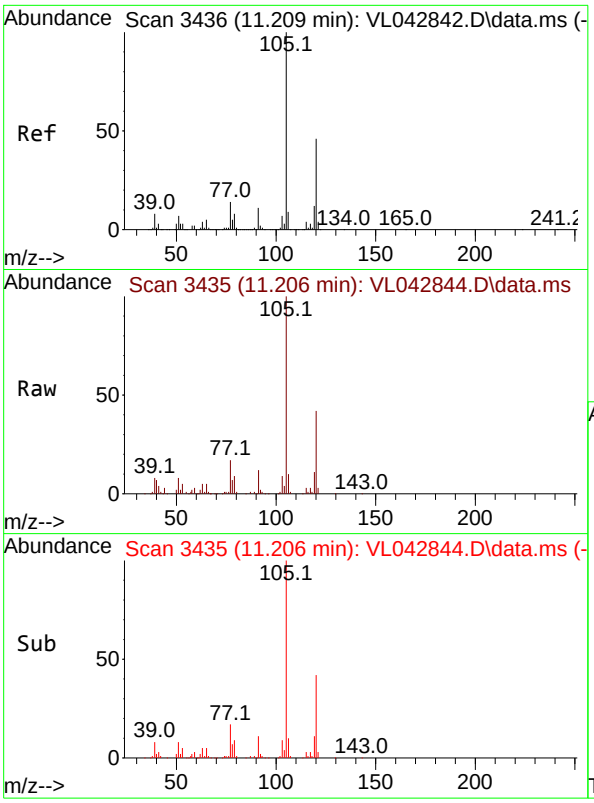


#72
4-Ethyltoluene
Concen: 1.071 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 63147

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.4	35.2
91	13.0	9.8	14.6
77	13.8	10.6	16.0

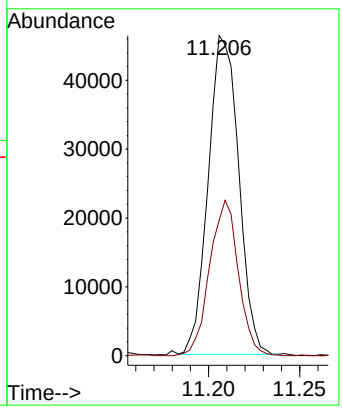




#73
1,3,5-Trimethylbenzene
Concen: 1.070 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 5367

Ion	Ratio	Lower	Upper
105	100		
120	42.3	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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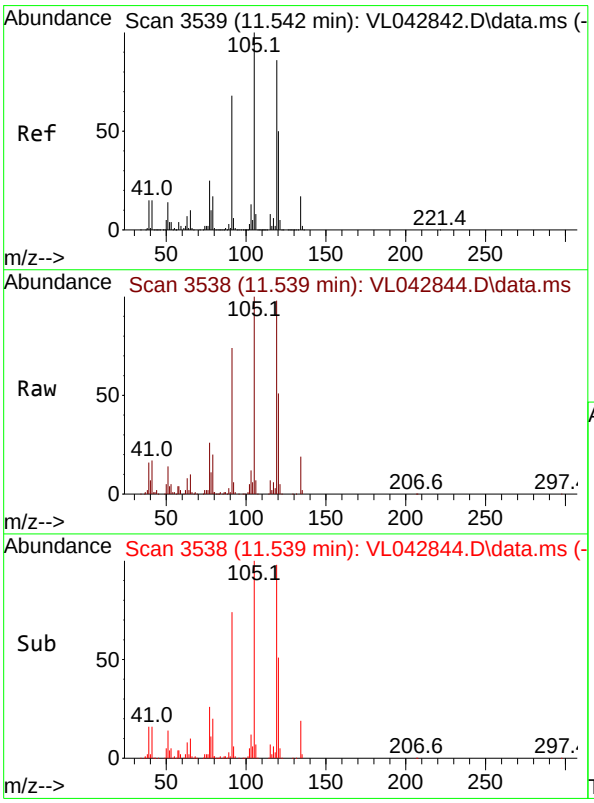
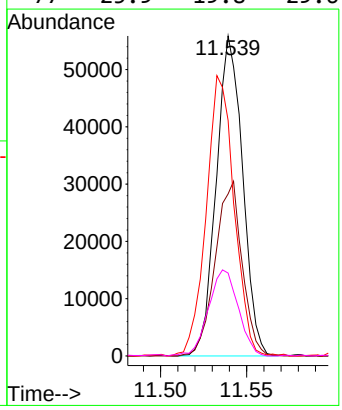
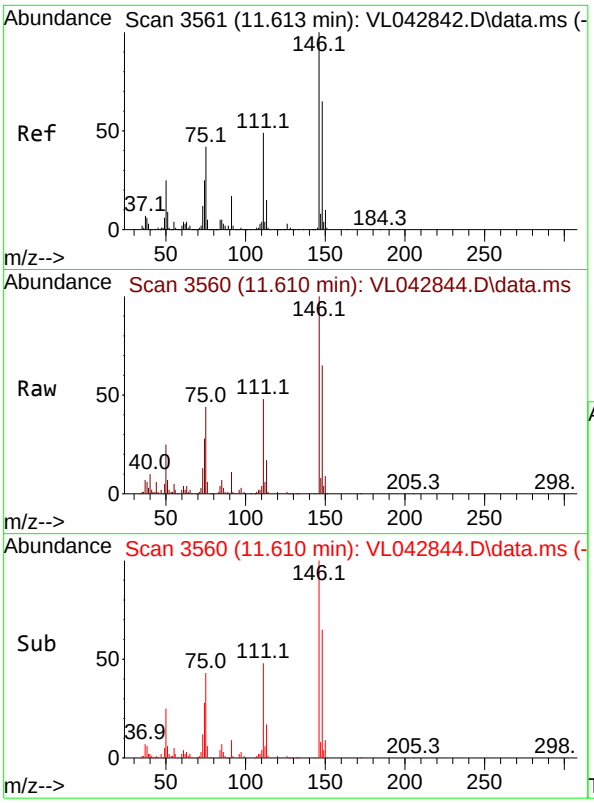


#74
1,2,4-Trimethylbenzene
Concen: 1.083 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 59633

Ion	Ratio	Lower	Upper
105	100		
120	50.7	39.8	59.6
91	73.3	54.2	81.4
77	25.9	19.8	29.6

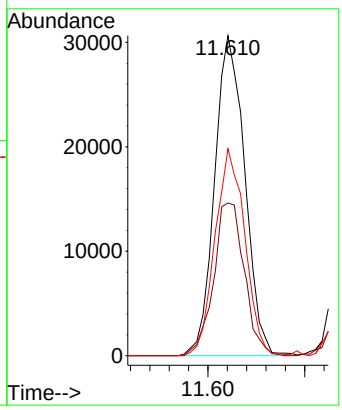




#75
1,3-Dichlorobenzene
Concen: 1.057 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:146 Resp: 3306

Ion	Ratio	Lower	Upper
146	100		
111	48.6	23.9	71.7
148	64.1	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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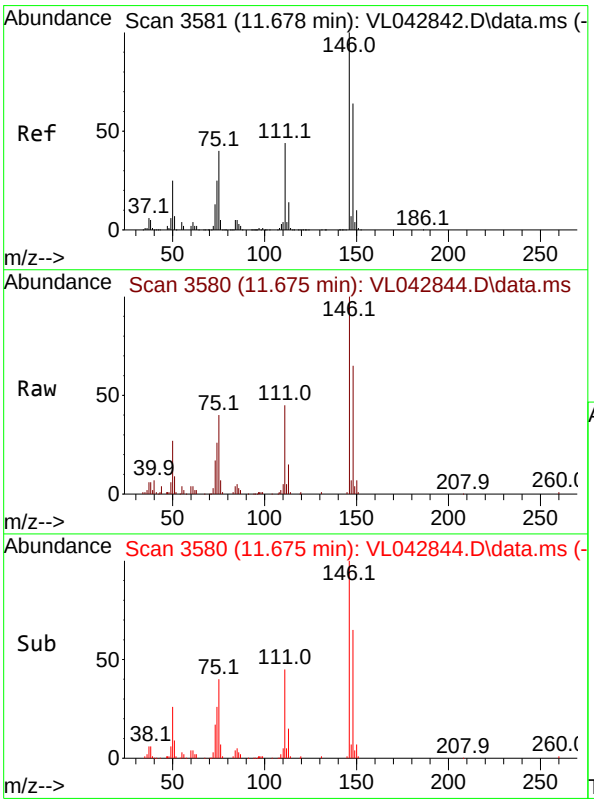
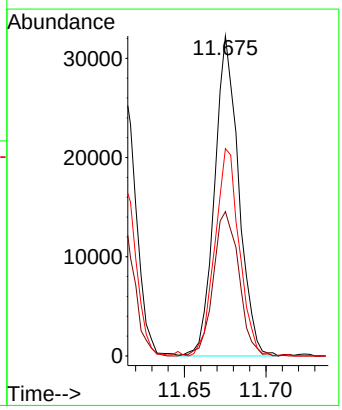
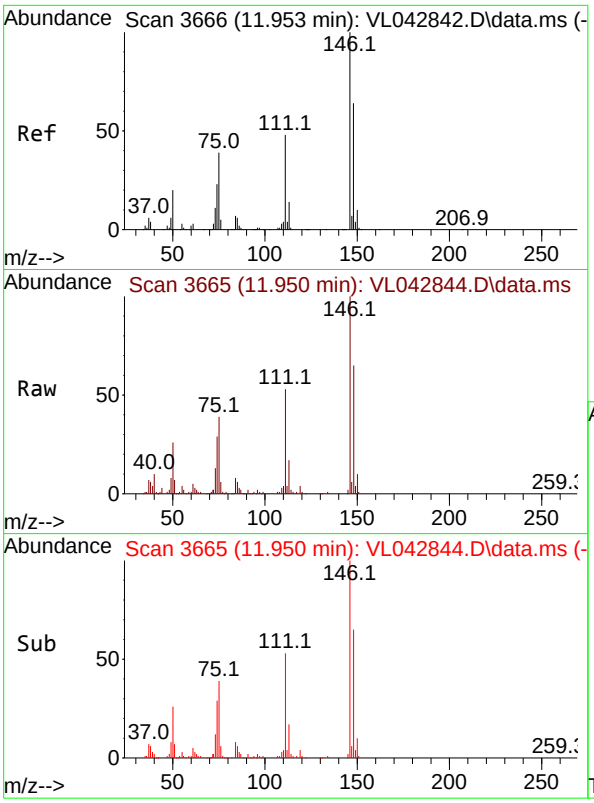


#76
1,4-Dichlorobenzene
Concen: 1.045 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:146 Resp: 33064

Ion	Ratio	Lower	Upper
146	100		
111	48.1	22.7	68.1
148	66.0	31.8	95.3

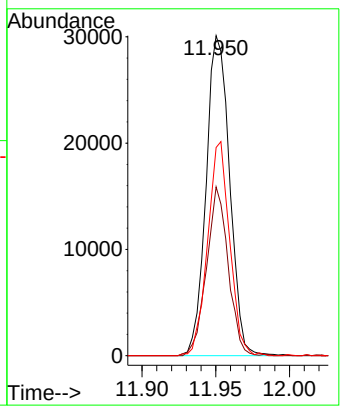




#77
1,2-Dichlorobenzene
Concen: 1.090 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:146 Resp: 3340

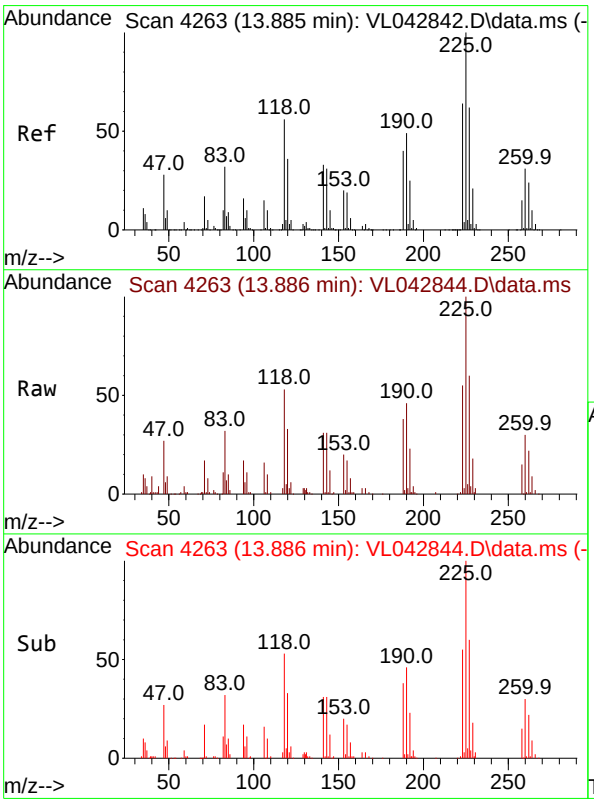
Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.6	74.0
148	62.7	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

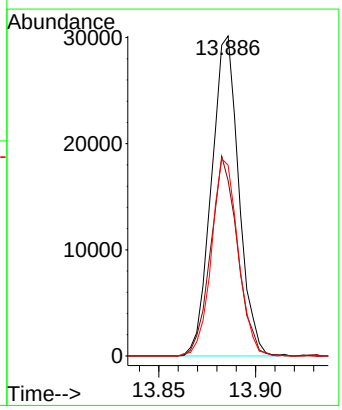
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

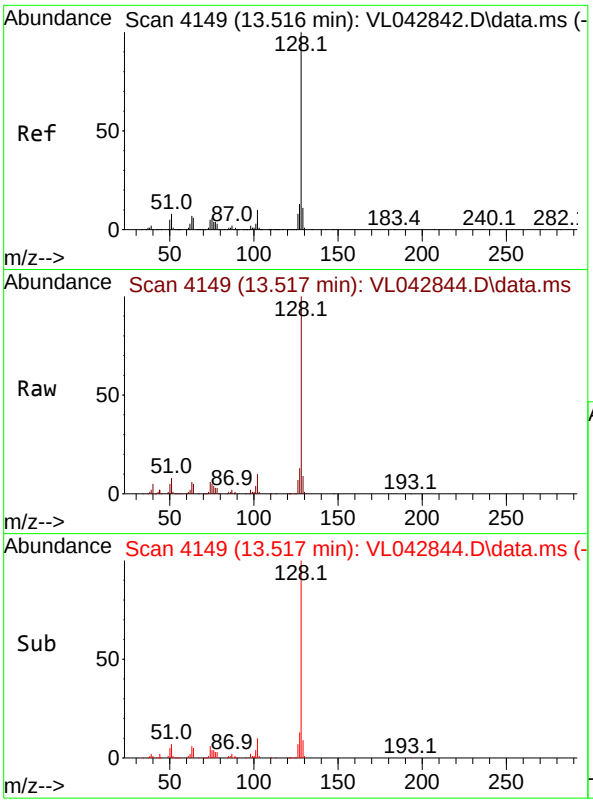


#78
Hexachloro-1,3-Butadiene
Concen: 1.177 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:225 Resp: 29555

Ion	Ratio	Lower	Upper
225	100		
223	61.2	51.4	77.2
227	60.0	51.9	77.9

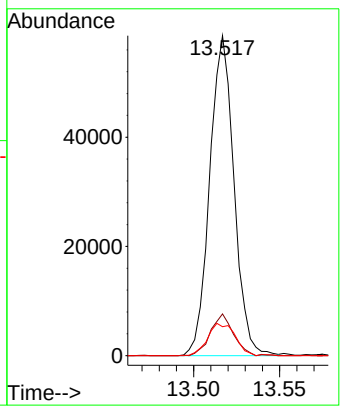




#79
Naphthalene
Concen: 1.169 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:128 Resp: 5758

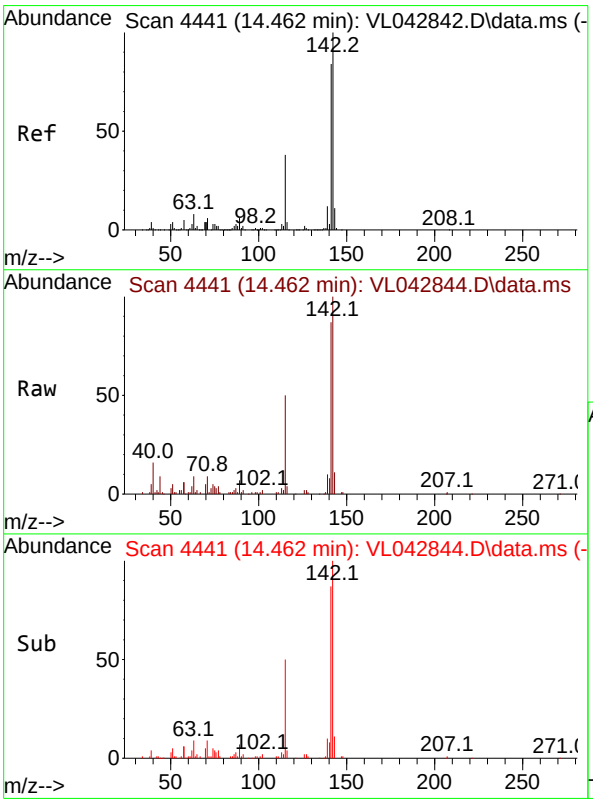
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	9.1	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

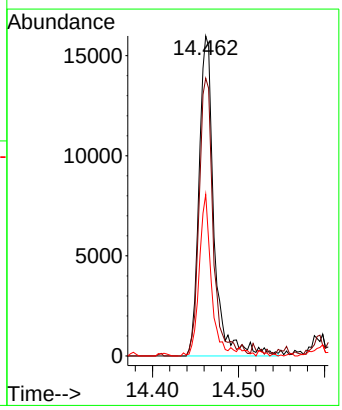
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

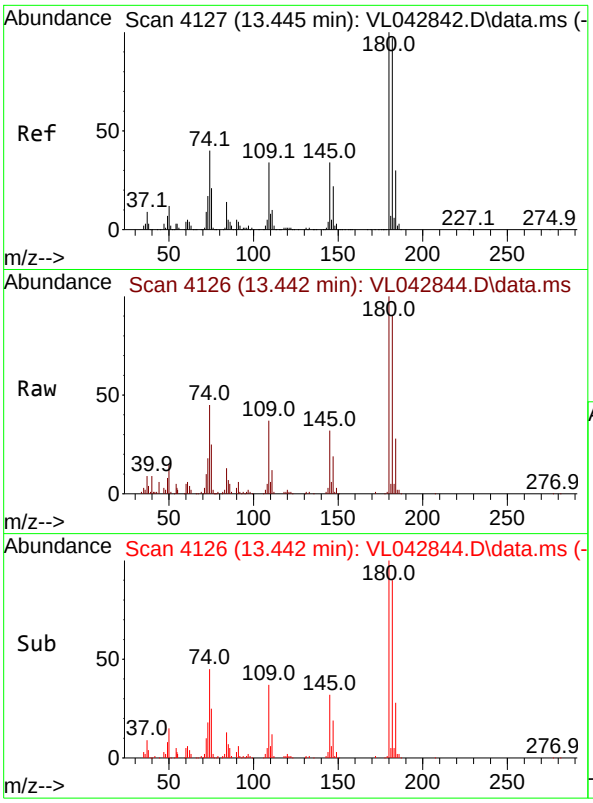


#80
Naphthalene,2-methyl-
Concen: 1.045 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:142 Resp: 19375

Ion	Ratio	Lower	Upper
142	100		
141	81.6	67.0	100.6
115	43.2	30.9	46.3

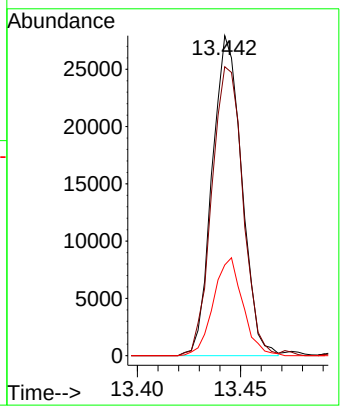




#81
1,2,4-Trichlorobenzene
Concen: 1.111 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:180 Resp: 2786

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
184	30.3	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	126879	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	396264	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.895	117	348005	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	262663	10.064	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9937	0.534	ppbv		100
3) Chlorodifluoromethane	1.479	51	11115	0.540	ppbv		96
4) Chloromethane	1.538	50	4112	0.548	ppbv		90
5) Vinyl Chloride	1.586	62	3762	0.509	ppbv		94
6) Bromomethane	1.674	94	1576	0.533	ppbv		82
7) Chloroethane	1.709	64	1690	0.586	ppbv	#	85
8) Dichlorotetrafluoroethane	1.557	85	8079	0.531	ppbv		95
9) Propene	1.489	41	5225	0.589	ppbv		91
10) Heptane	4.998	43	12747	0.537	ppbv		93
11) Trichlorofluoromethane	1.884	101	10238	0.558	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7984	0.546	ppbv		98
13) Ethanol	1.725	45	562	0.639	ppbv	#	1
14) Bromoethene	1.787	108	2932	0.554	ppbv	#	85
15) Acetone	1.842	43	10836	0.646	ppbv		98
16) 1,3-Butadiene	1.612	39	4970	0.653	ppbv		99
17) tert-Butyl alcohol	2.049	59	12182	0.612	ppbv	#	89
18) 1,1-Dichloroethene	2.039	96	3501	0.545	ppbv		92
19) Isopropyl Alcohol	1.891	45	6194	0.618	ppbv	#	56
20) Methylene Chloride	2.069	84	5025	0.715	ppbv		90
21) Allyl Chloride	2.104	41	7120	0.600	ppbv	#	76
22) trans-1,2-Dichloroethene	2.350	96	3996	0.556	ppbv		96
23) Vinyl Acetate	2.470	43	13709	0.621	ppbv	#	98
24) 1,1-Dichloroethane	2.418	63	8354	0.562	ppbv	#	96
25) Ethyl Acetate	2.845	43	22148	0.545	ppbv	#	96
26) Hexane	2.832	57	9879	0.527	ppbv		85
27) Carbon Disulfide	2.156	76	9539	0.523	ppbv	#	1
28) Methyl tert-Butyl Ether	2.447	73	5284	0.553	ppbv	#	62
29) Chloroform	2.858	83	14586	0.545	ppbv		100
30) Cyclohexane	3.868	84	9037	0.550	ppbv		94
31) cis-1,2-Dichloroethene	2.729	61	10308	0.550	ppbv	#	86
32) 1,1,1-Trichloroethane	3.379	97	14011	0.494	ppbv		97
34) 2-Butanone	2.567	43	14923	0.558	ppbv		100
35) Carbon Tetrachloride	3.774	117	13507	0.494	ppbv		97
36) Benzene	3.671	78	20073	0.529	ppbv		98
37) 1,2-Dichloroethane	3.230	62	10141	0.512	ppbv	#	93
38) Trichloroethene	4.564	130	9918	0.572	ppbv	#	88
39) 1,2-Dichloropropane	4.334	63	7491	0.541	ppbv		86
40) 1,4-Dioxane	4.613	88	3743m	0.577	ppbv		
41) Tetrahydrofuran	3.072	42	7827	0.525	ppbv		93
42) Bromodichloromethane	4.509	83	15580	0.527	ppbv	#	94
43) Methyl Methacrylate	4.897	69	8461m	0.544	ppbv		
44) 2,2,4-Trimethylpentane	4.661	57	34237m	0.537	ppbv		
45) t-1,3-Dichloropropene	6.435	75	8911m	0.505	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	11259m	0.508	ppbv		
47) 1,1,2-Trichloroethane	6.603	97	7835m	0.534	ppbv		
48) Dibromochloromethane	7.406	129	11805	0.497	ppbv		100
49) Bromoform	9.497	173	9232	0.471	ppbv		95
50) 4-Methyl-2-Pentanone	5.778	43	19028m	0.524	ppbv		
51) 2-Hexanone	7.458	43	14329	0.503	ppbv	#	99
52) Tetrachloroethene	8.244	164	7304	0.531	ppbv	#	87
53) Toluene	6.956	91	24155m	0.535	ppbv		
54) 1,2-Dibromoethane	7.668	107	10873	0.507	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.940	131	9300	0.517	ppbv	#	1
57) Chlorobenzene	8.937	112	17845	0.539	ppbv	#	96
58) Ethyl Benzene	9.370	91	32261	0.525	ppbv		99
59) m/p-Xylene	9.561	91	50372m	1.045	ppbv		
60) o-Xylene	9.979	91	26662	0.551	ppbv		100
61) Styrene	9.885	104	12379	0.546	ppbv		95
62) Isopropylbenzene	10.552	105	37401	0.529	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.976	83	13828	0.523	ppbv		95
64) n-propylbenzene	10.998	120	9922	0.550	ppbv		98
65) tert-Butylbenzene	11.542	119	33183	0.532	ppbv		97
66) Benzyl Chloride	11.626	91	4039	0.510	ppbv	#	97
67) sec-Butylbenzene	11.778	105	46433	0.530	ppbv		96
69) p-Isopropyltoluene	11.934	119	40686	0.541	ppbv		99
70) n-Butylbenzene	12.290	91	38867	0.521	ppbv		99
71) 2-Chlorotoluene	10.911	91	29736	0.541	ppbv		97
72) 4-Ethyltoluene	11.138	105	30234	0.515	ppbv		97
73) 1,3,5-Trimethylbenzene	11.212	105	26942	0.540	ppbv		99
74) 1,2,4-Trimethylbenzene	11.545	105	29750	0.543	ppbv		94
75) 1,3-Dichlorobenzene	11.617	146	16311	0.524	ppbv		95
76) 1,4-Dichlorobenzene	11.681	146	16803	0.533	ppbv		98
77) 1,2-Dichlorobenzene	11.956	146	16306	0.535	ppbv		97
78) Hexachloro-1,3-Butadiene	13.885	225	14165	0.567	ppbv		99
79) Naphthalene	13.520	128	24056	0.491	ppbv		96
80) Naphthalene,2-methyl-	14.465	142	7482	0.405	ppbv		95
81) 1,2,4-Trichlorobenzene	13.449	180	10844	0.434	ppbv		97

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

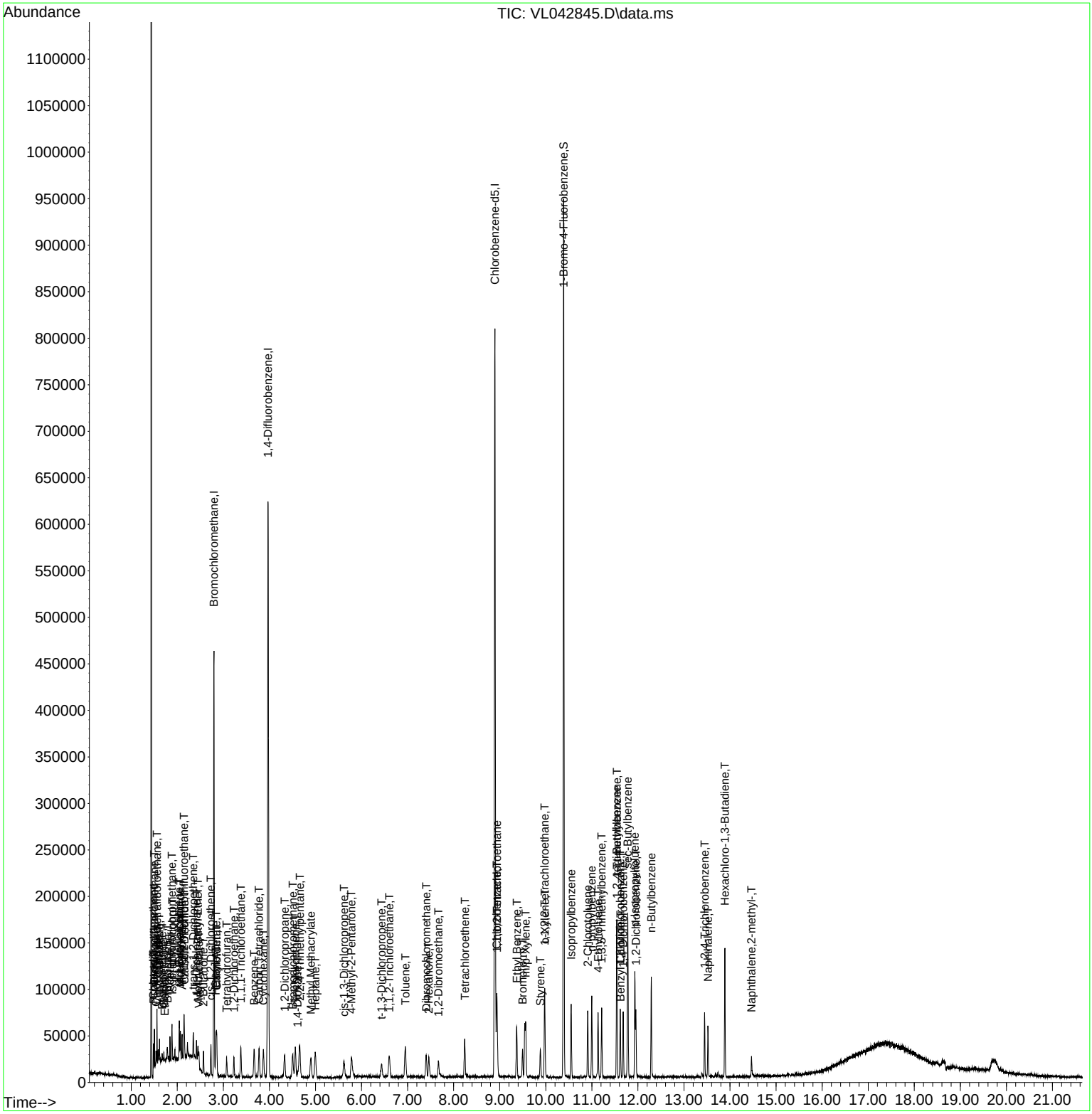
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

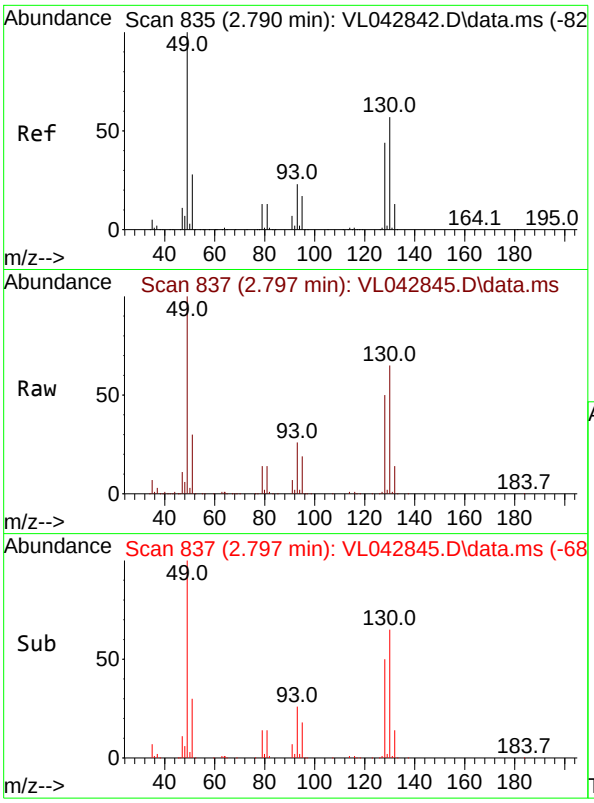
Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

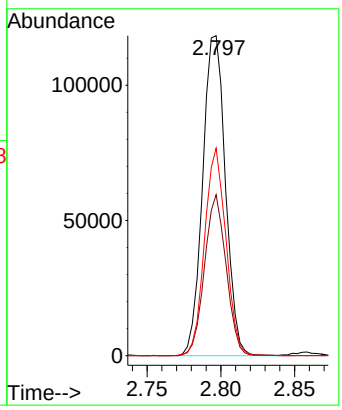




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 49 Resp: 12687

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.7	71.1
130	60.9	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
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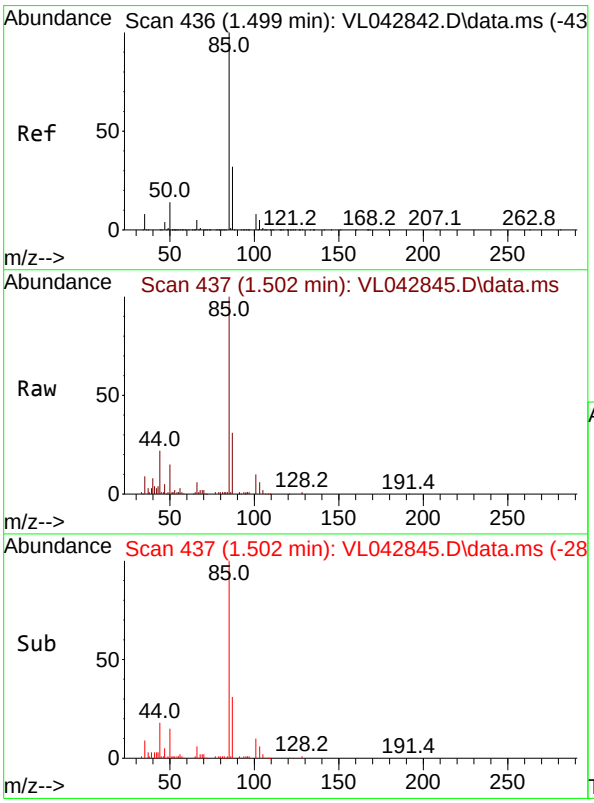
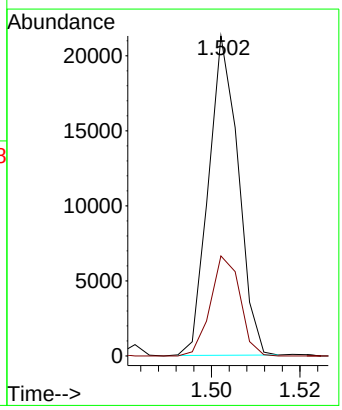
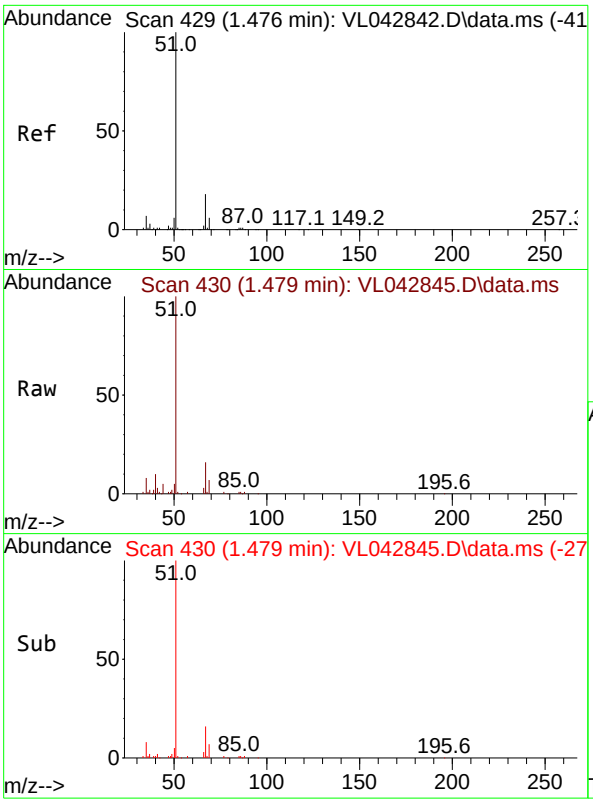


#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 9937

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.3	37.9

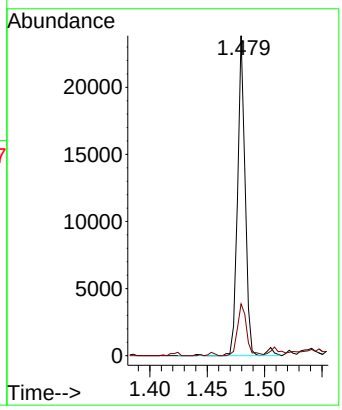




#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 51 Resp: 1111

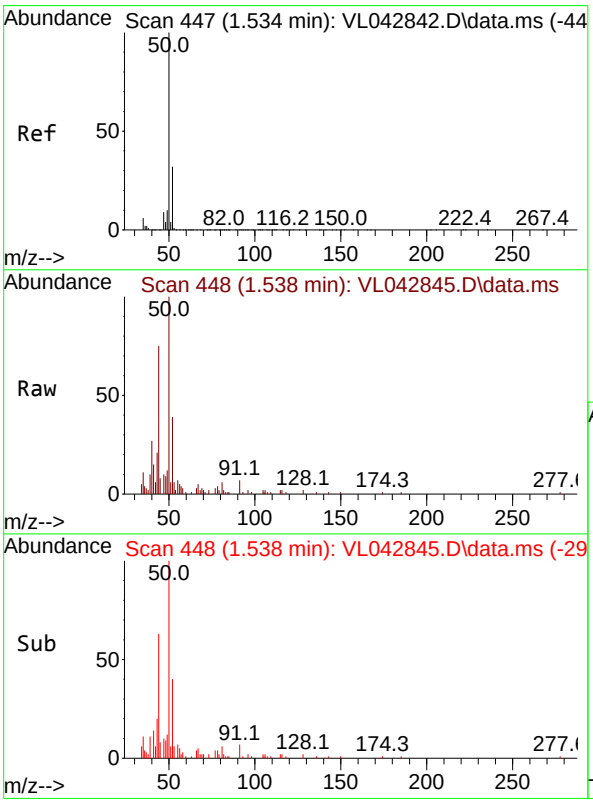
Ion	Ratio	Lower	Upper
51	100		
67	20.5	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

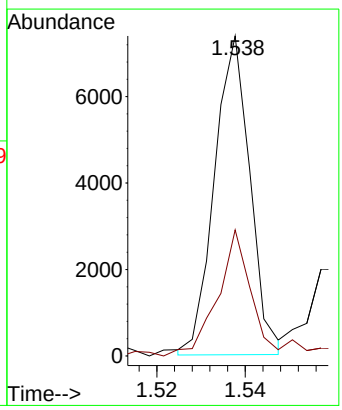
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

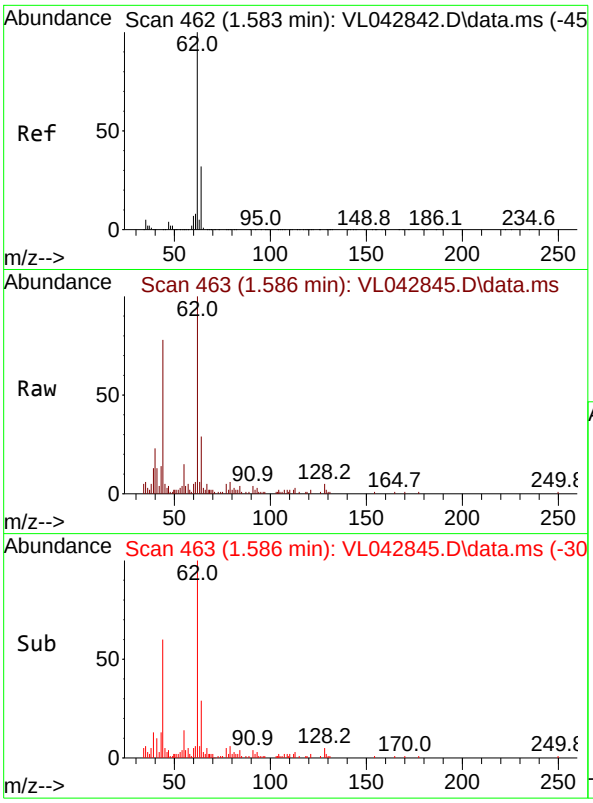


#4
Chloromethane
Concen: 0.548 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 50 Resp: 4112

Ion	Ratio	Lower	Upper
50	100		
52	38.2	25.9	38.9

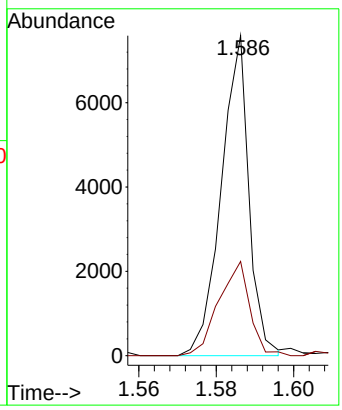




#5
Vinyl Chloride
Concen: 0.509 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 62 Resp: 376

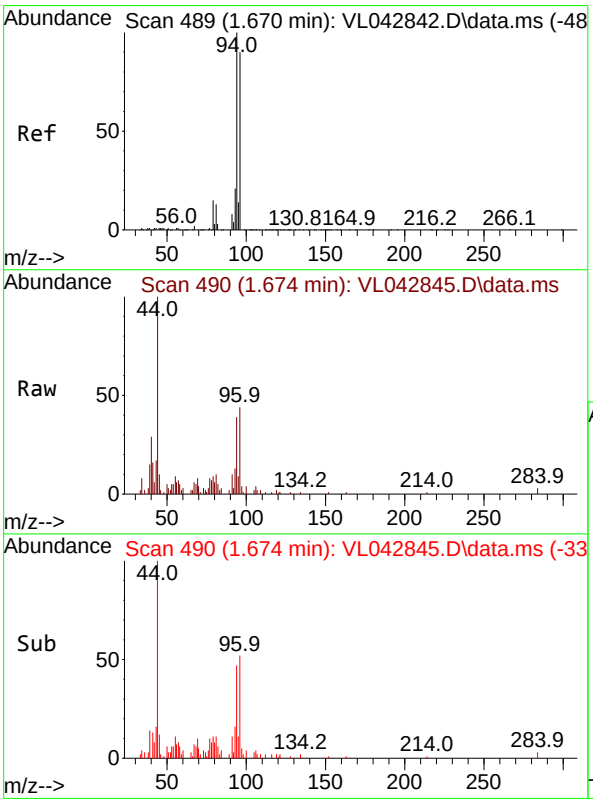
Ion	Ratio	Lower	Upper
62	100		
64	28.3	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

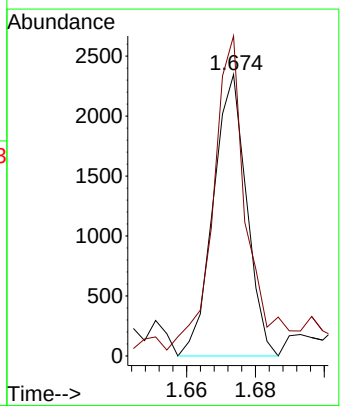
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

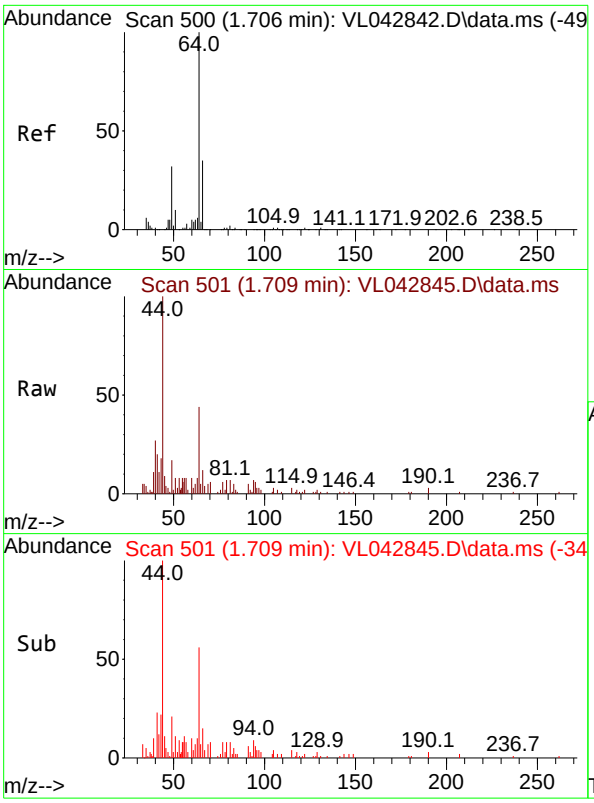


#6
Bromomethane
Concen: 0.533 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 94 Resp: 1576

Ion	Ratio	Lower	Upper
94	100		
96	106.9	72.1	108.1

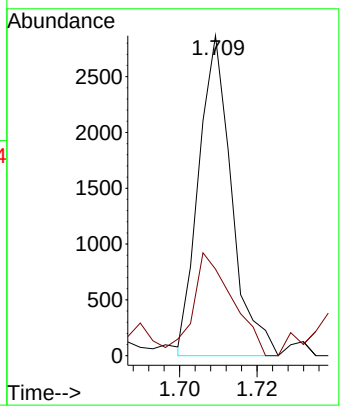




#7
Chloroethane
Concen: 0.586 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 64 Resp: 169

Ion	Ratio	Lower	Upper
64	100		
66	27.0	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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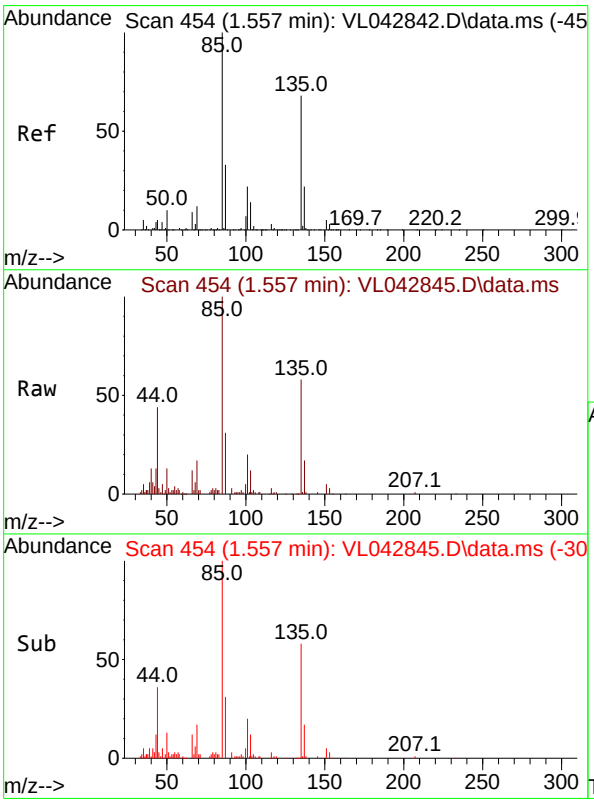
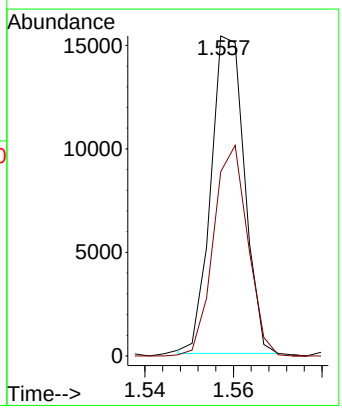
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

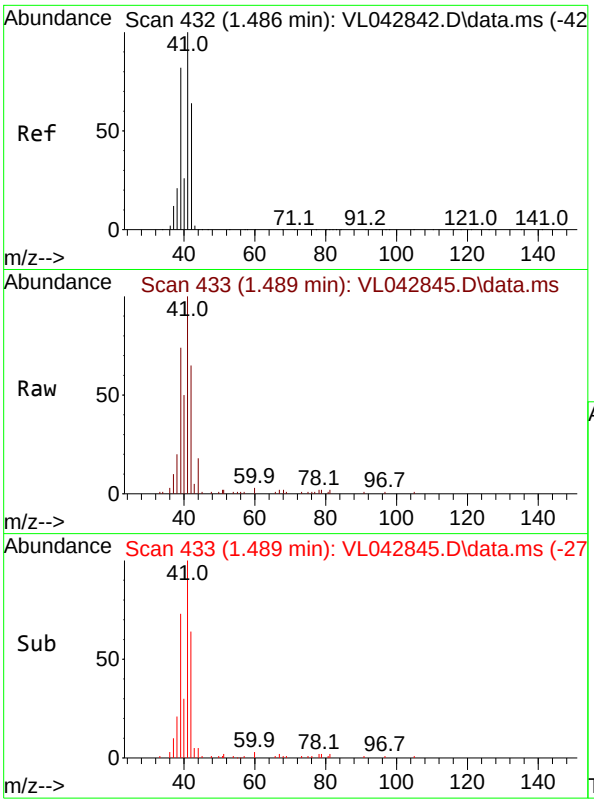


#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 8079

Ion	Ratio	Lower	Upper
85	100		
135	67.7	51.2	76.8

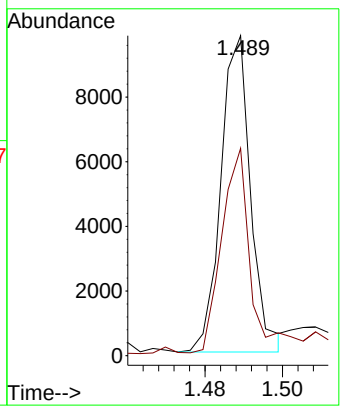




#9
Propene
Concen: 0.589 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 41 Resp: 522

Ion	Ratio	Lower	Upper
41	100		
42	73.7	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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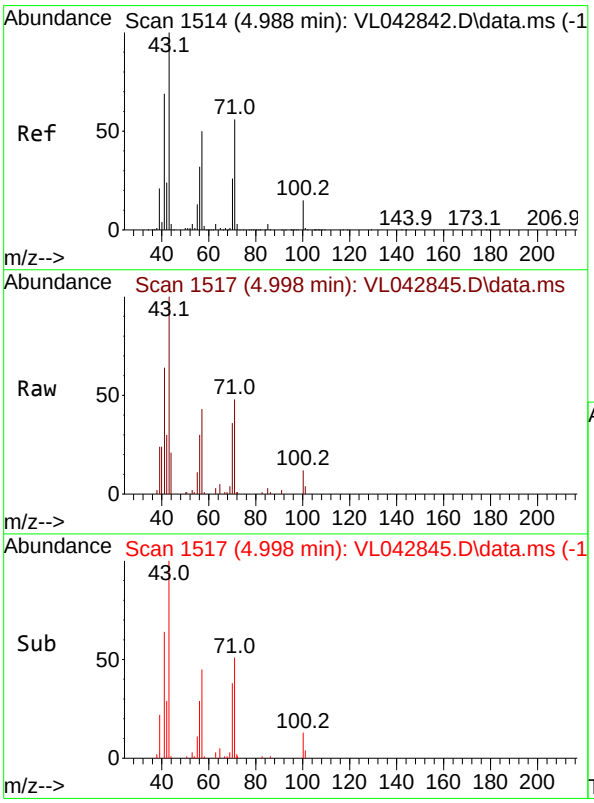
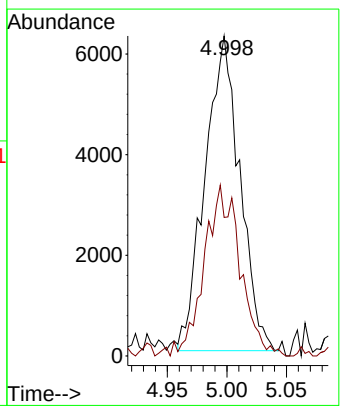
Supervised By :Mahesh Dadoda 08/18/2025

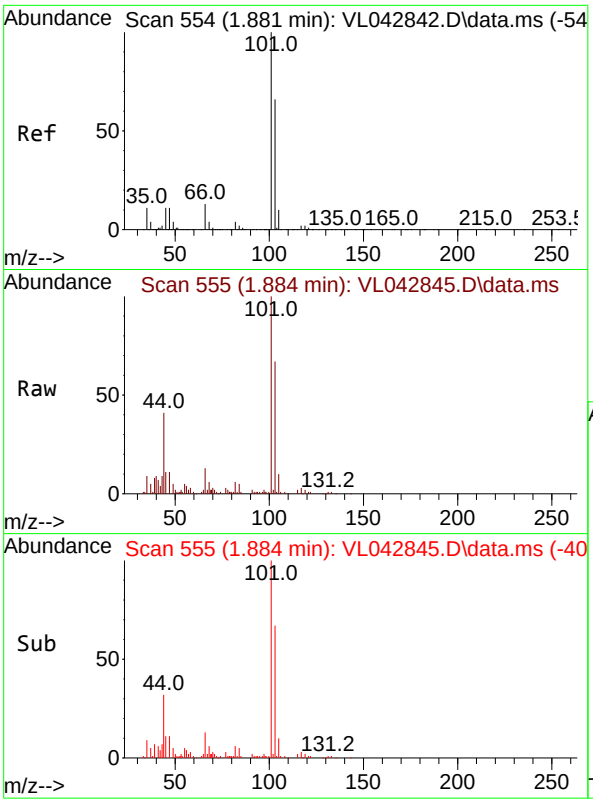


#10
Heptane
Concen: 0.537 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 12747

Ion	Ratio	Lower	Upper
43	100		
57	56.9	41.4	62.0

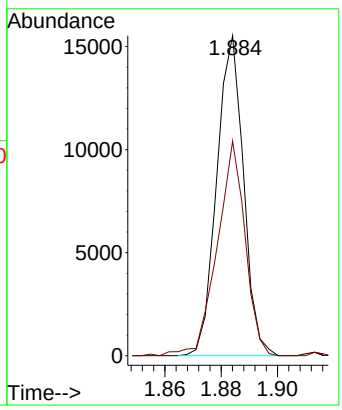




#11
Trichlorofluoromethane
Concen: 0.558 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:101 Resp: 1023

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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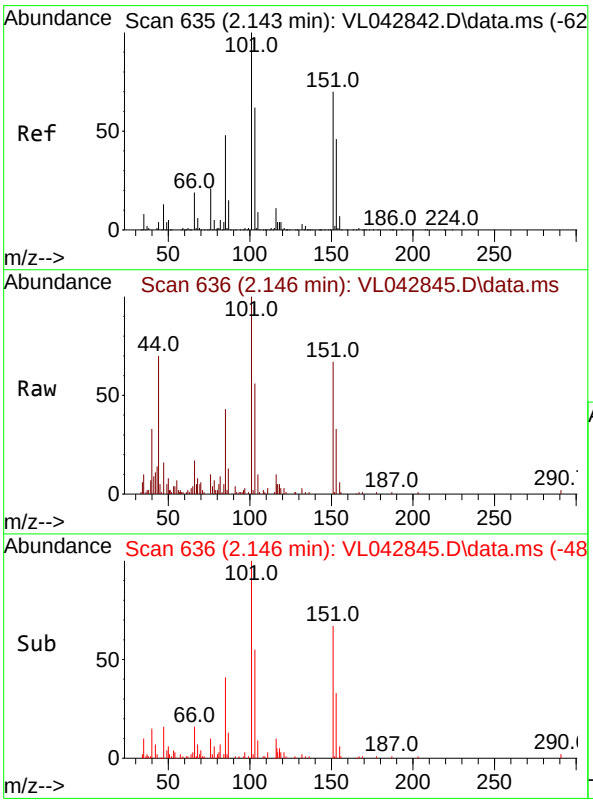
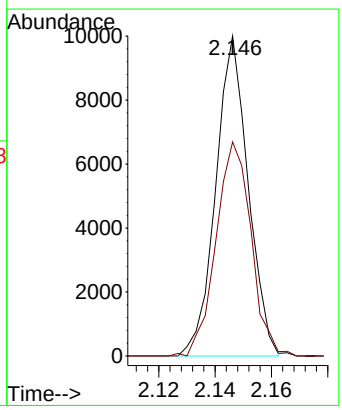
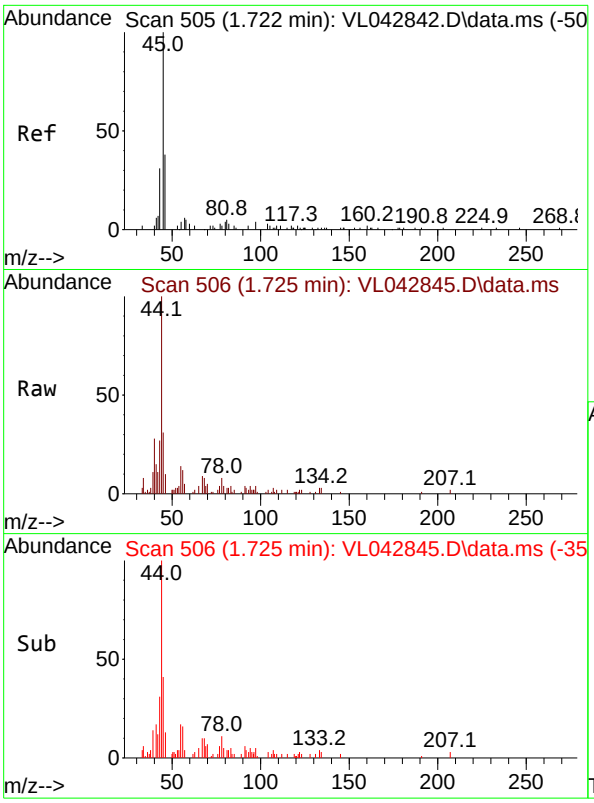


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.546 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:101 Resp: 7984

Ion	Ratio	Lower	Upper
101	100		
151	72.3	56.4	84.6

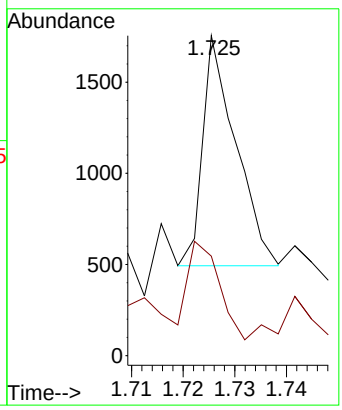




#13
Ethanol
Concen: 0.639 ppbv
RT: 1.725 min Scan# 5(
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 45 Resp: 56

Ion	Ratio	Lower	Upper
45	100		
46	131.5	17.5	69.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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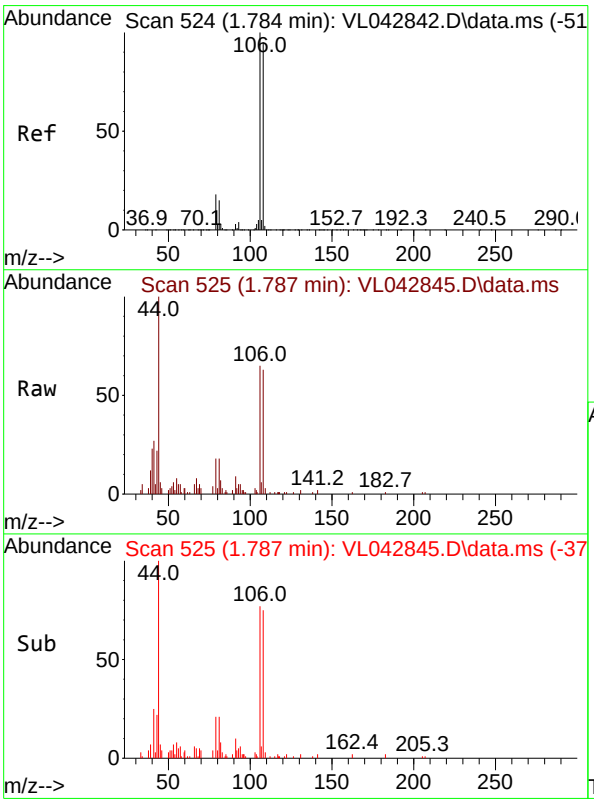
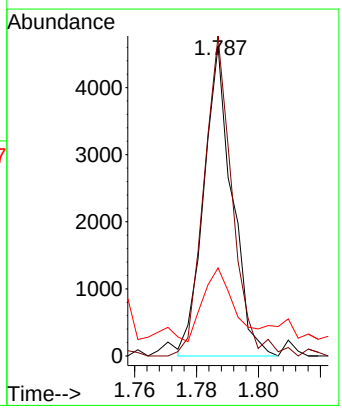
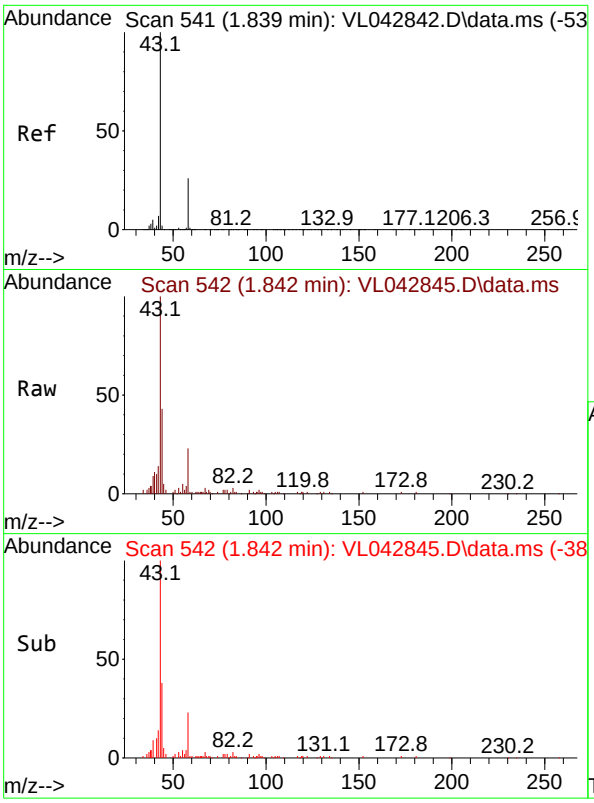


#14
Bromoethene
Concen: 0.554 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:108 Resp: 2932

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.1	127.7
79	62.6	16.3	24.5#

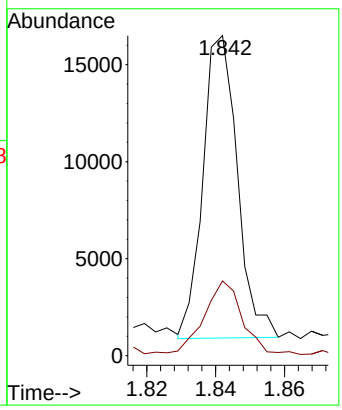




#15
Acetone
Concen: 0.646 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 1083

Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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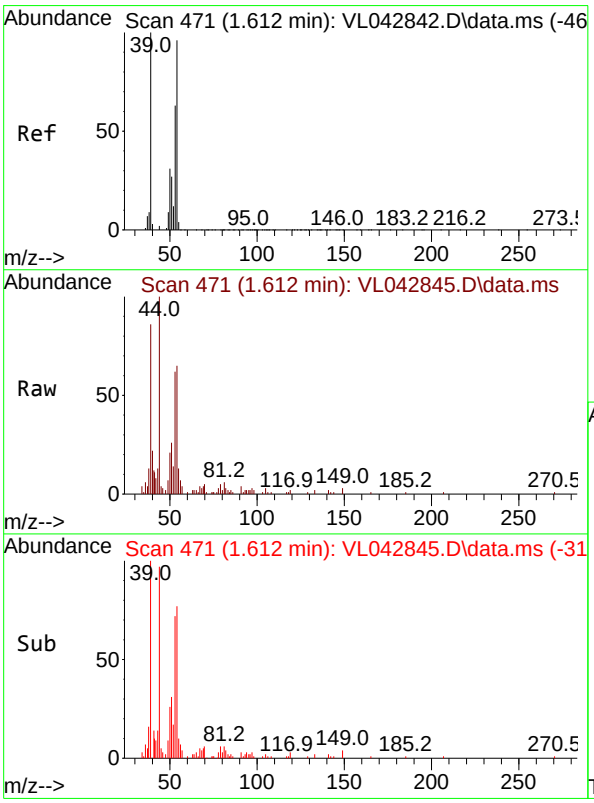
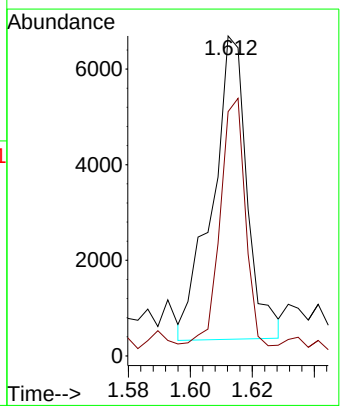
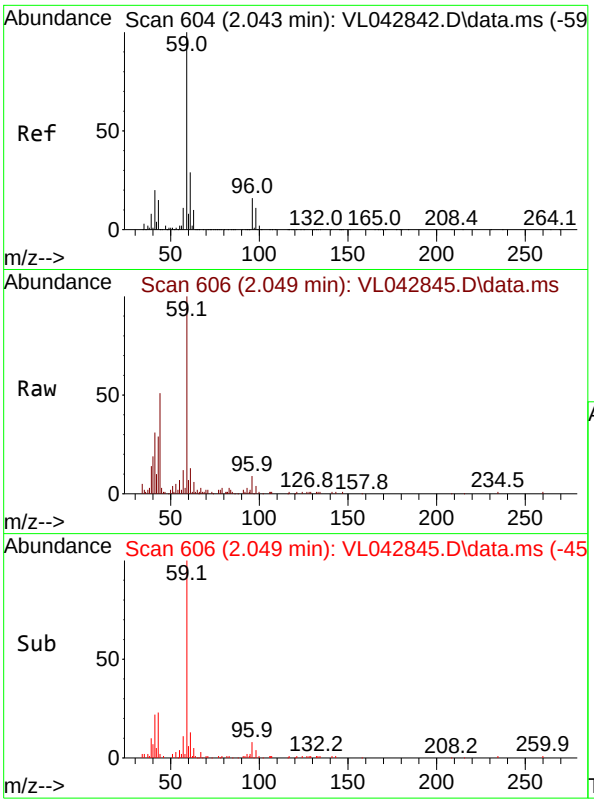


#16
1,3-Butadiene
Concen: 0.653 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 39 Resp: 4970

Ion	Ratio	Lower	Upper
39	100		
54	78.6	63.6	95.4

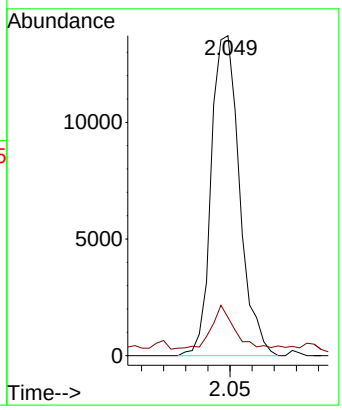




#17
tert-Butyl alcohol
Concen: 0.612 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 59 Resp: 1218

Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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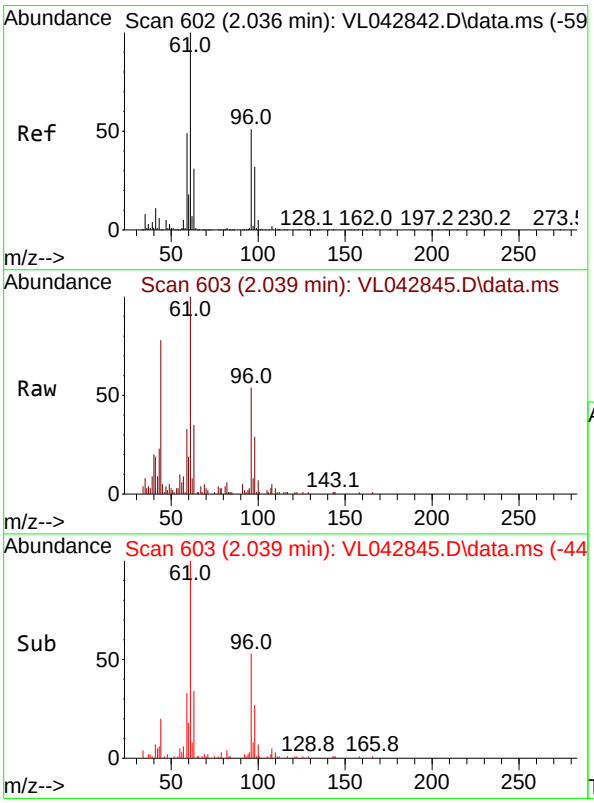
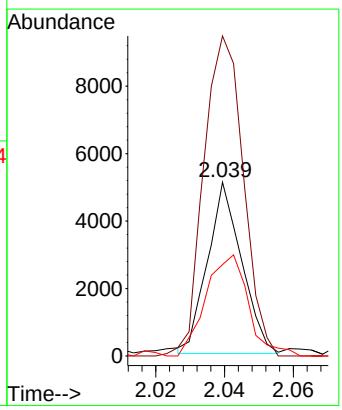
Supervised By :Mahesh Dadoda 08/18/2025

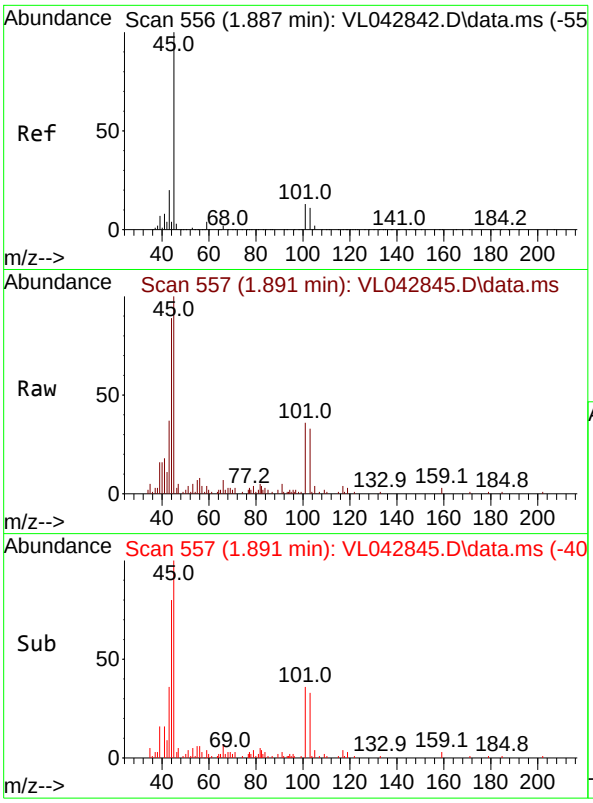


#18
1,1-Dichloroethene
Concen: 0.545 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3501

Ion	Ratio	Lower	Upper
96	100		
61	188.2	158.2	237.4
98	53.8	50.6	76.0

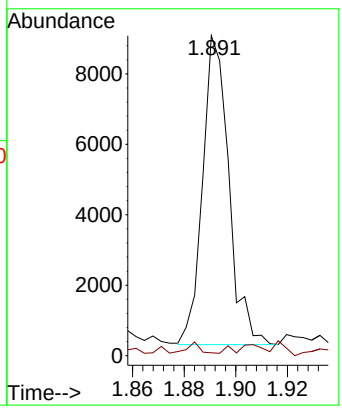




#19
Isopropyl Alcohol
Concen: 0.618 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 45 Resp: 619

Ion	Ratio	Lower	Upper
45	100		
58	13.3	32.7	49.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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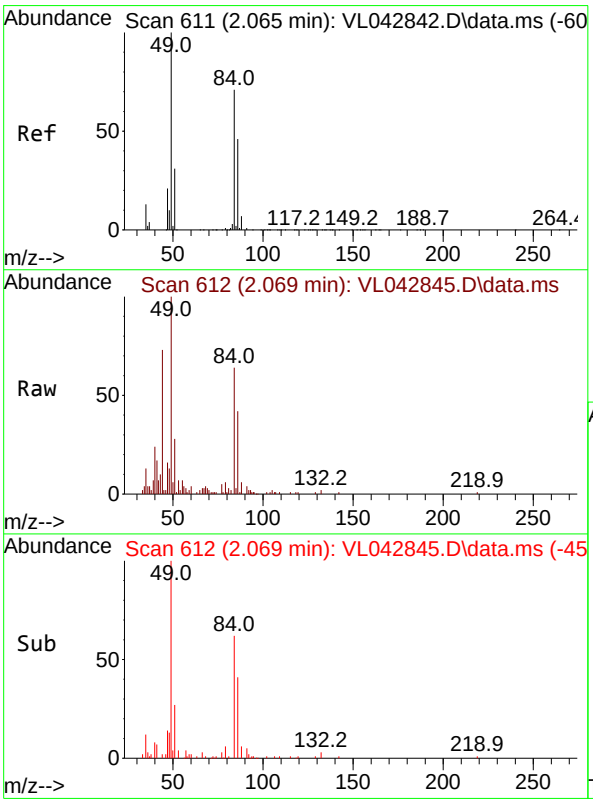
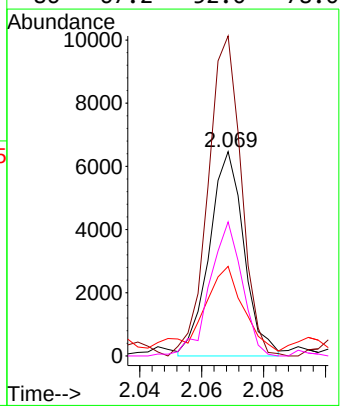
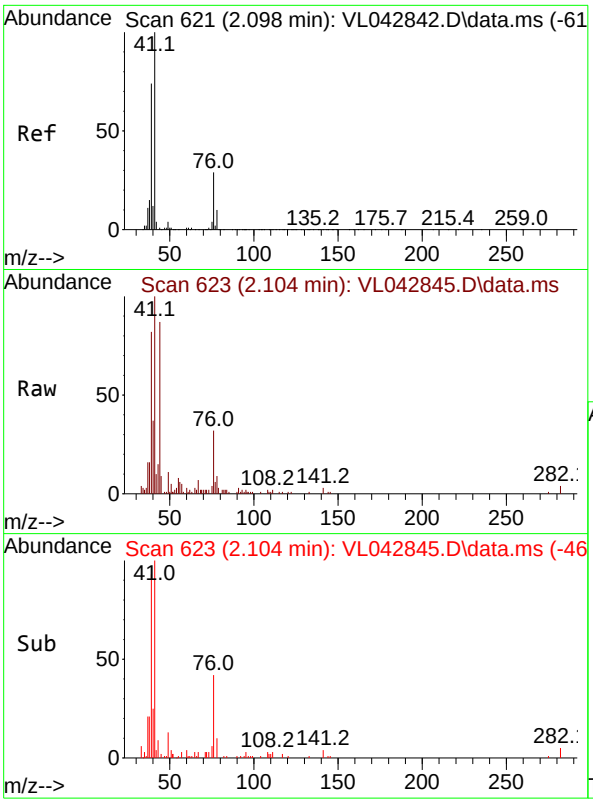


#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 84 Resp: 5025

Ion	Ratio	Lower	Upper
84	100		
49	159.3	112.3	168.5
51	42.5	36.0	54.0
86	67.2	52.0	78.0

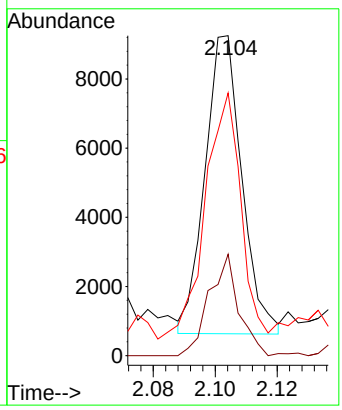




#21
Allyl Chloride
Concen: 0.600 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 41 Resp: 712

Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.9	35.9
39	98.9	57.8	86.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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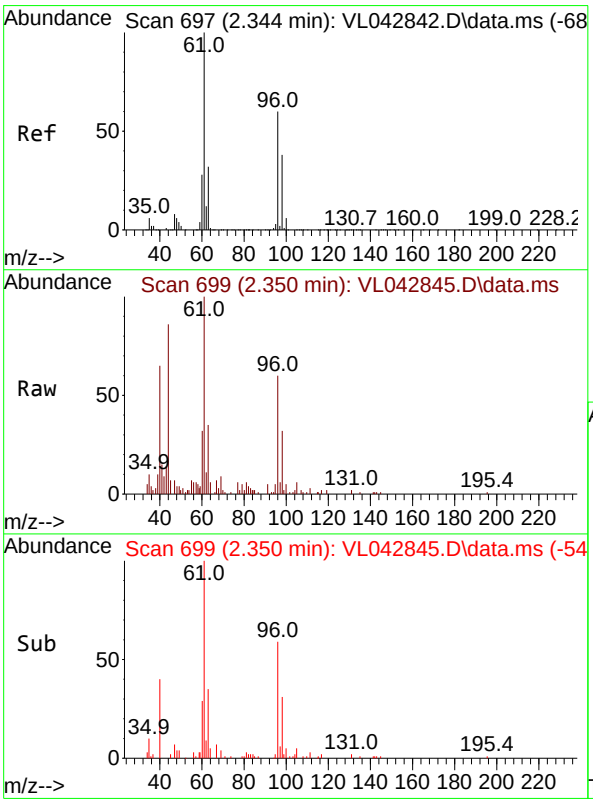
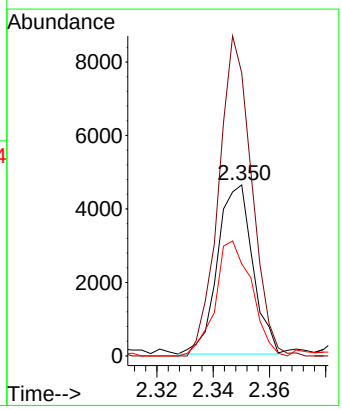
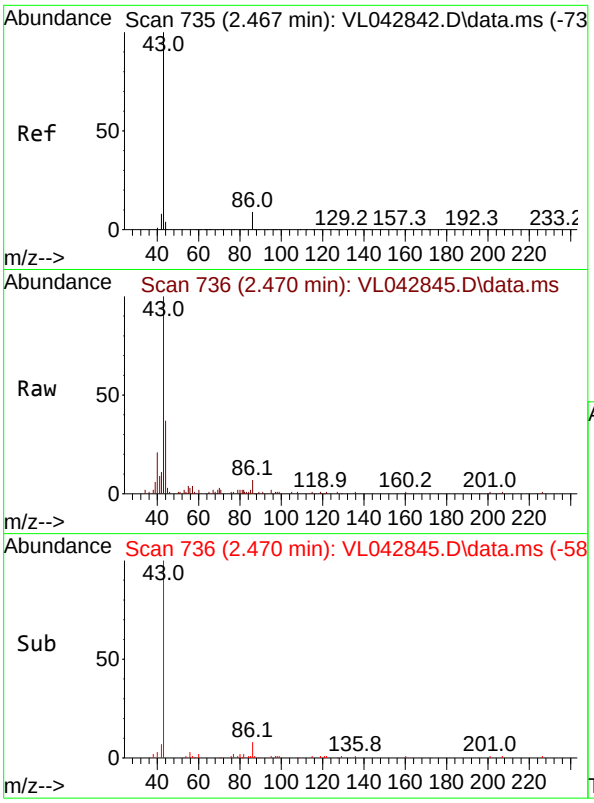


#22
trans-1,2-Dichloroethene
Concen: 0.556 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3996

Ion	Ratio	Lower	Upper
96	100		
61	167.3	132.6	199.0
98	54.4	50.0	75.0

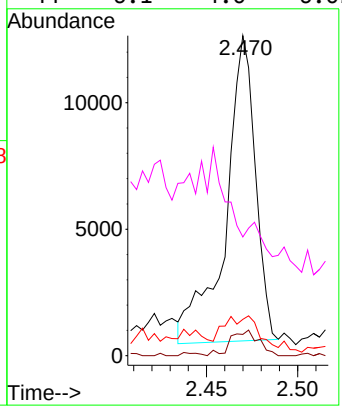




#23
Vinyl Acetate
Concen: 0.621 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 1370

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	9.8
42	9.3	7.0	10.6
44	6.1	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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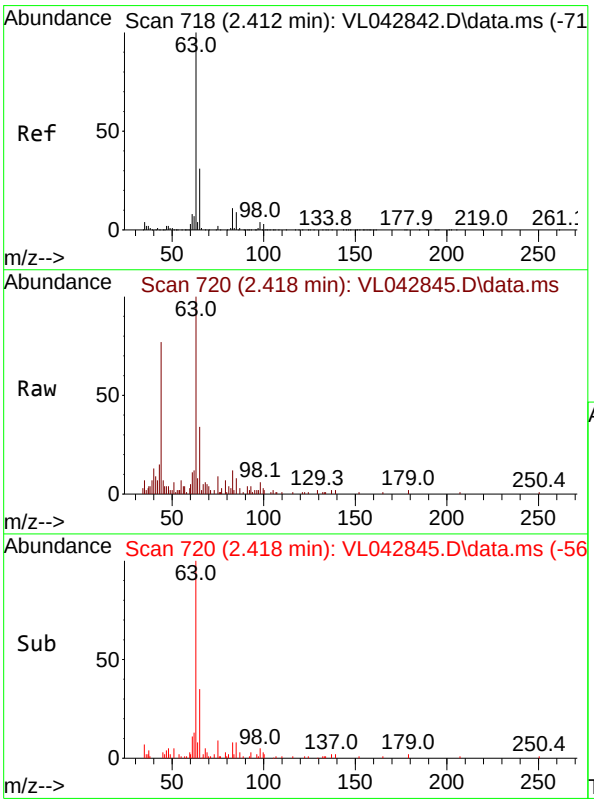
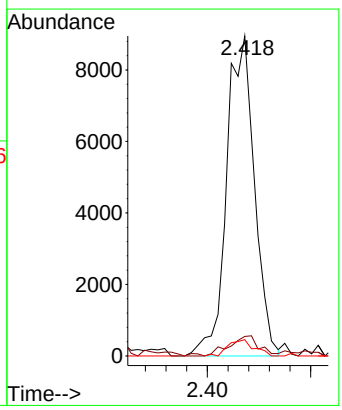
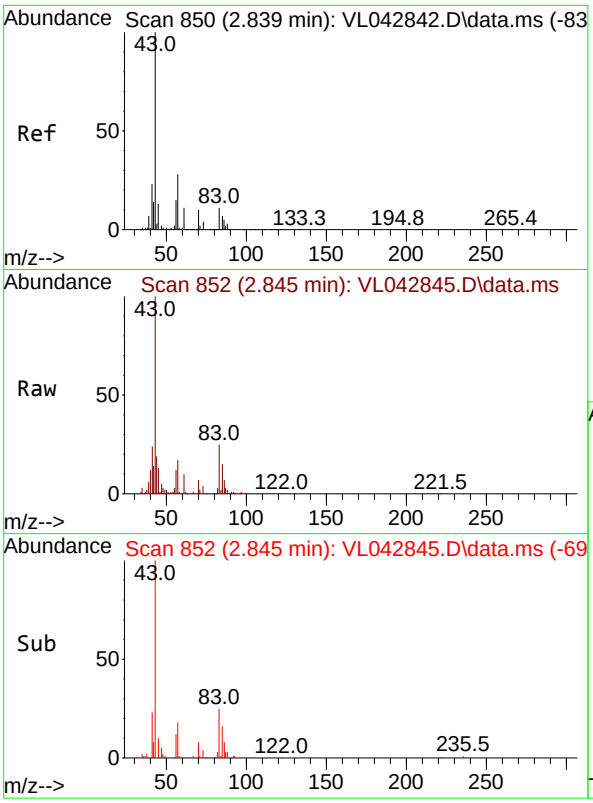


#24
1,1-Dichloroethane
Concen: 0.562 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 63 Resp: 8354

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.1	6.5
100	5.1	1.7	5.1#

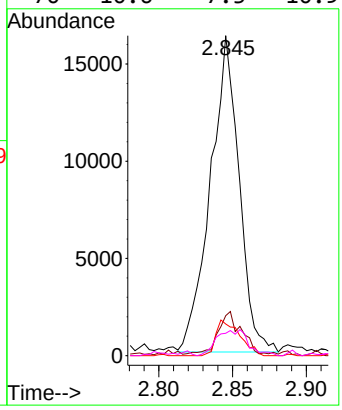




#25
Ethyl Acetate
Concen: 0.545 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 2214

Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.1	12.1
61	9.4	7.4	11.2
70	10.6	7.3	10.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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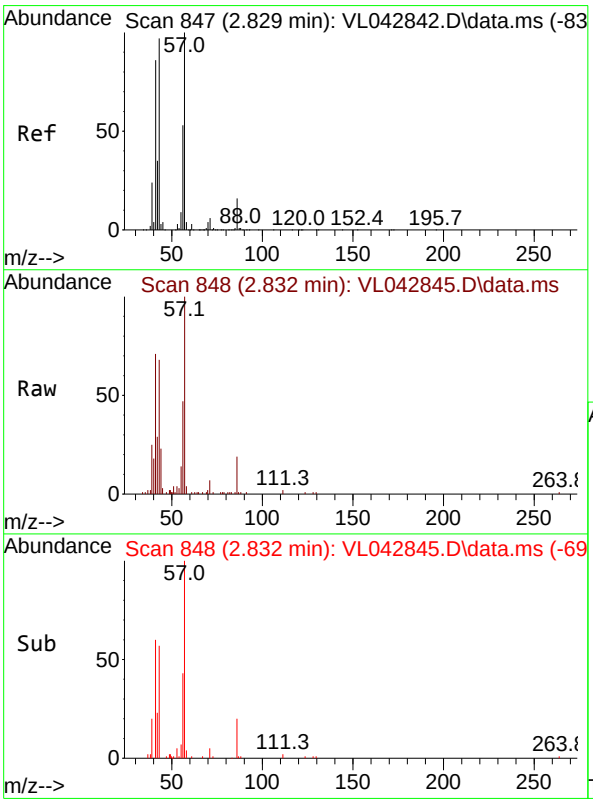
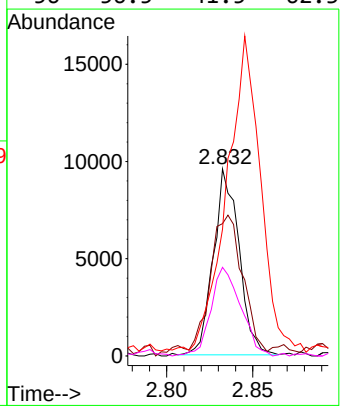
Supervised By :Mahesh Dadoda 08/18/2025

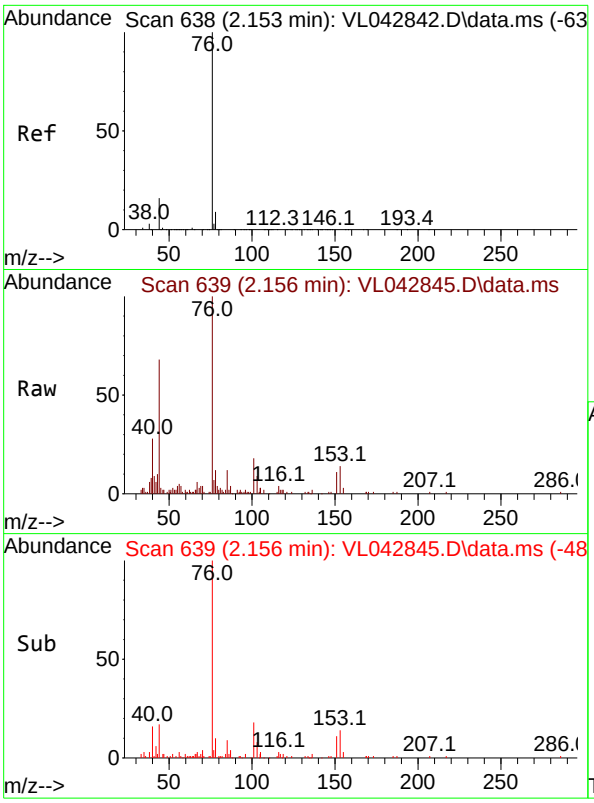


#26
Hexane
Concen: 0.527 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 57 Resp: 9879

Ion	Ratio	Lower	Upper
57	100		
41	100.6	68.6	103.0
43	236.9	168.5	252.7
56	56.5	41.5	62.3

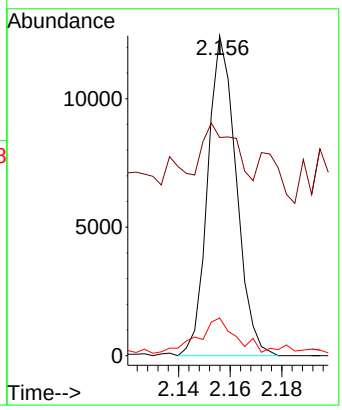




#27
Carbon Disulfide
Concen: 0.523 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 76 Resp: 953

Ion	Ratio	Lower	Upper
76	100		
44	136.8	15.9	23.9#
78	22.2	9.5	14.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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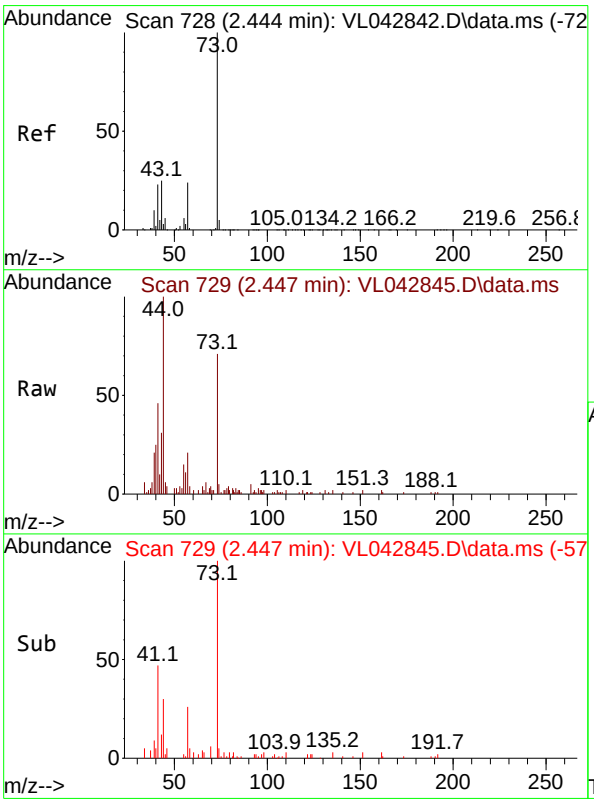
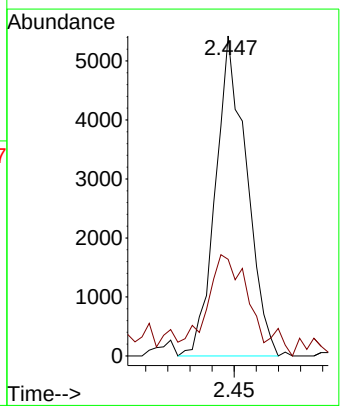
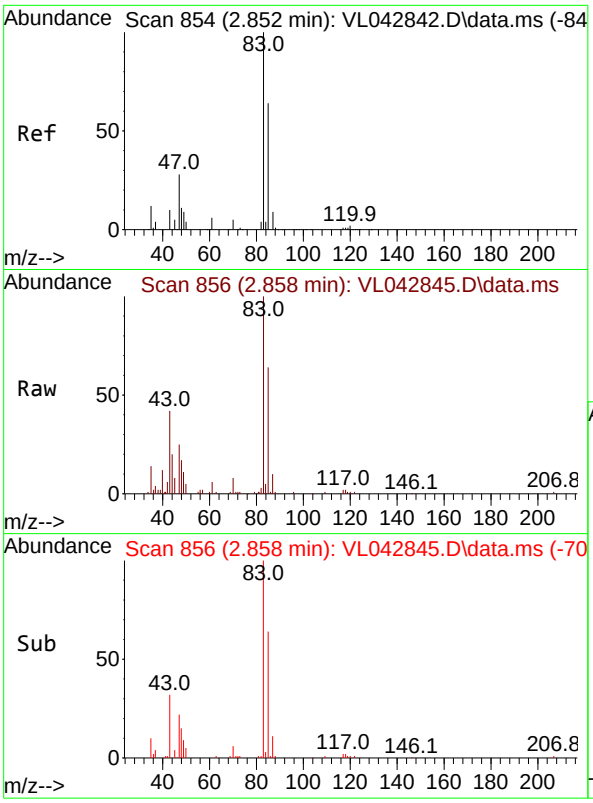


#28
Methyl tert-Butyl Ether
Concen: 0.553 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 73 Resp: 5284

Ion	Ratio	Lower	Upper
73	100		
57	46.5	21.6	32.4#





#29
Chloroform
Concen: 0.545 ppbv
RT: 2.858 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 83 Resp: 1458

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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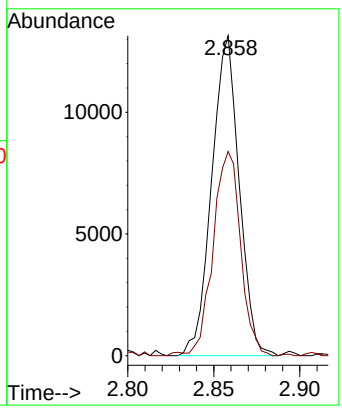
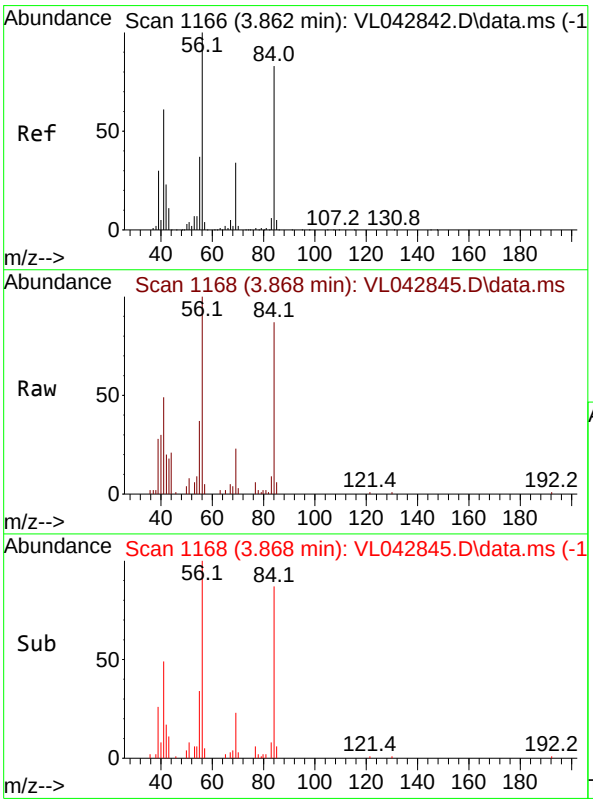
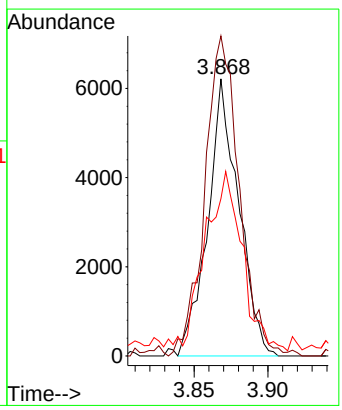


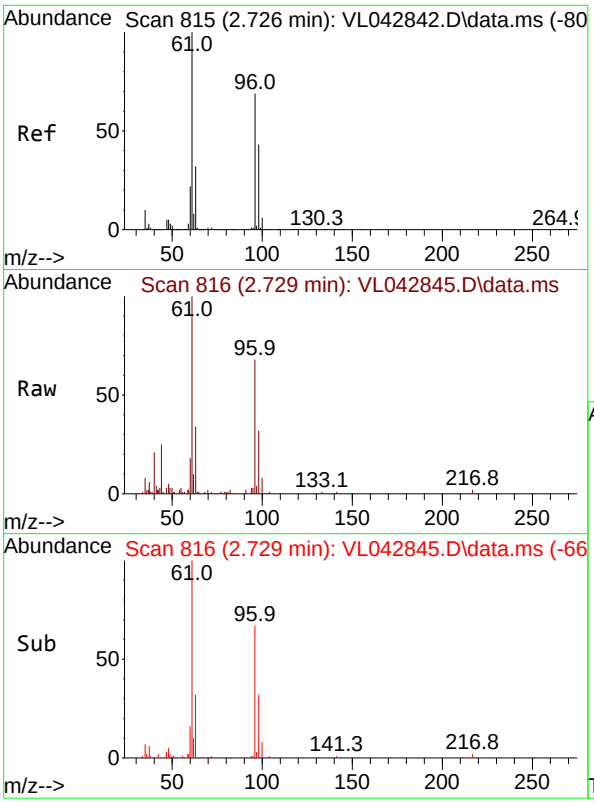


#30
Cyclohexane
Concen: 0.550 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 84 Resp: 9037

Ion	Ratio	Lower	Upper
84	100		
56	131.1	98.8	148.2
41	80.1	61.3	91.9

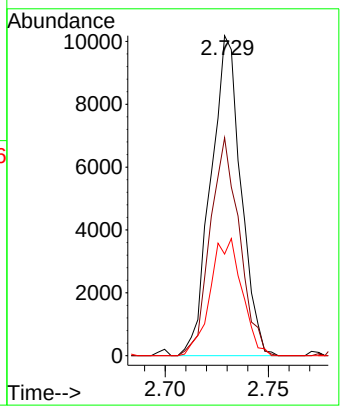




#31
cis-1,2-Dichloroethene
Concen: 0.550 ppbv
RT: 2.729 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 61 Resp: 1030

Ion	Ratio	Lower	Upper
61	100		
96	61.7	55.0	82.6
98	28.7	34.3	51.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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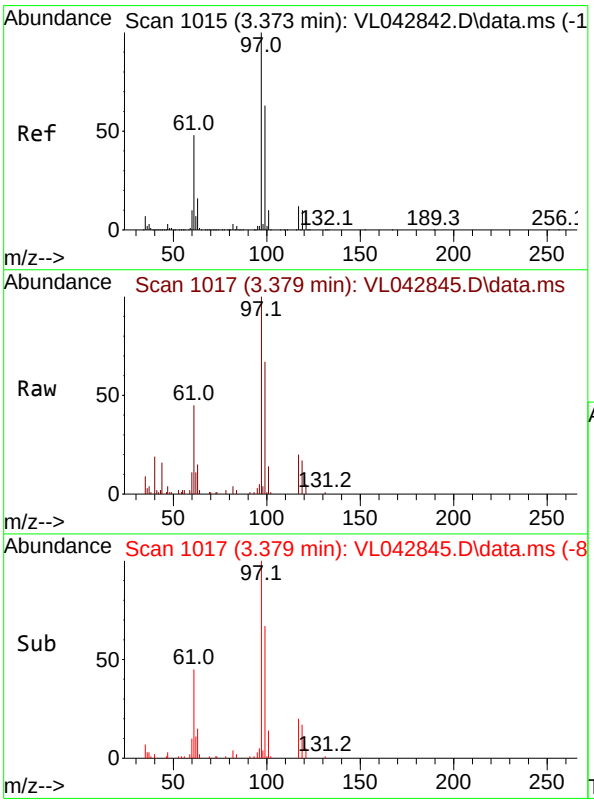
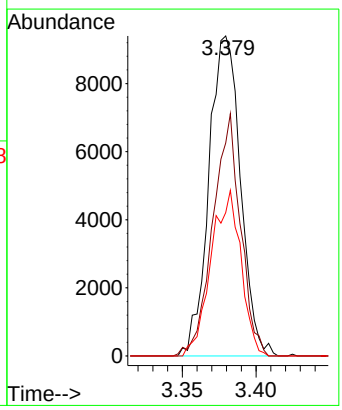
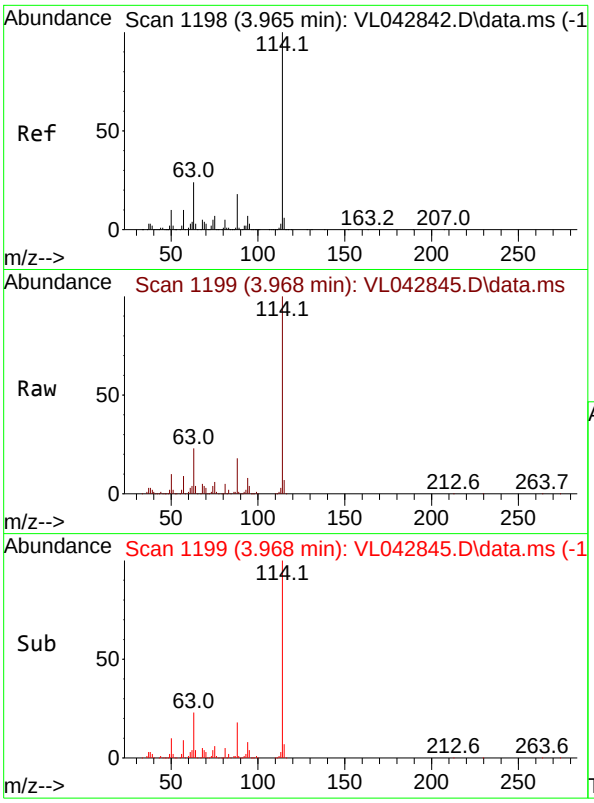


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.379 min Scan# 1017
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 97 Resp: 14011

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.0	76.6
61	48.9	38.0	57.0

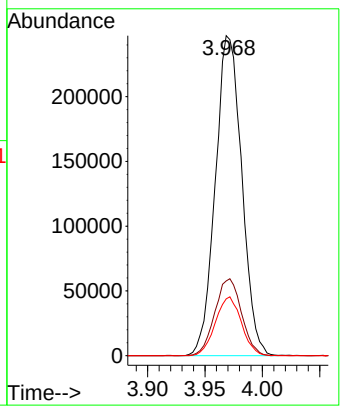




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:114 Resp: 39626

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.7	29.5
88	18.1	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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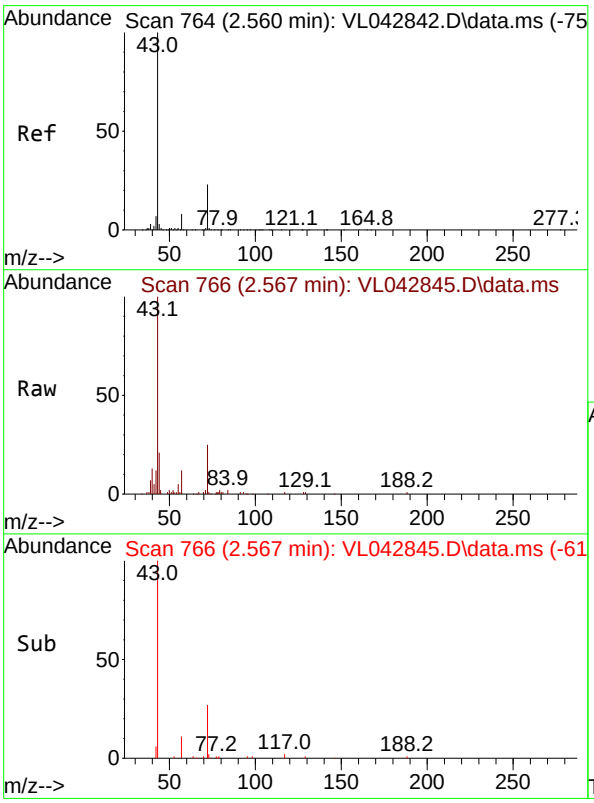
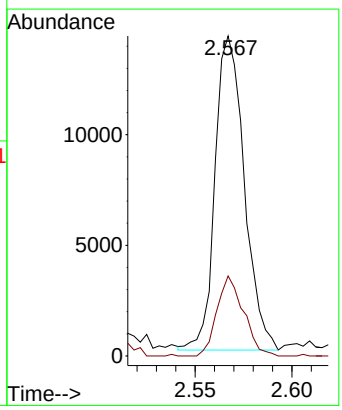
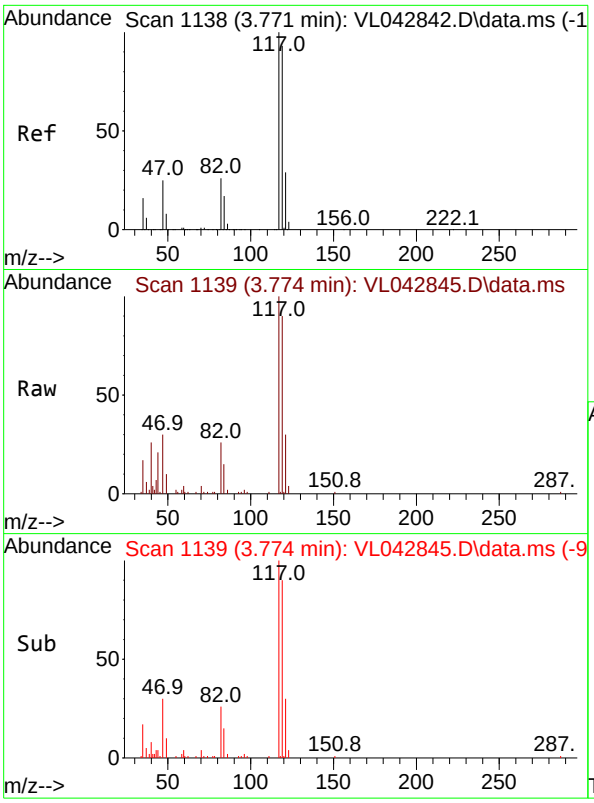


#34
2-Butanone
Concen: 0.558 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 14923

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

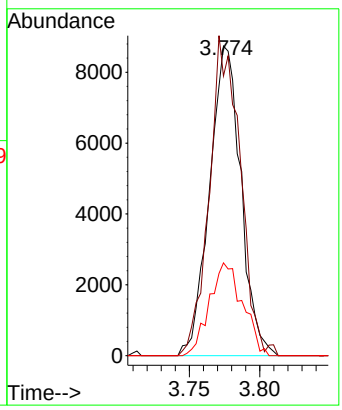




#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.774 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:117 Resp: 1350

Ion	Ratio	Lower	Upper
117	100		
119	90.3	74.7	112.1
121	30.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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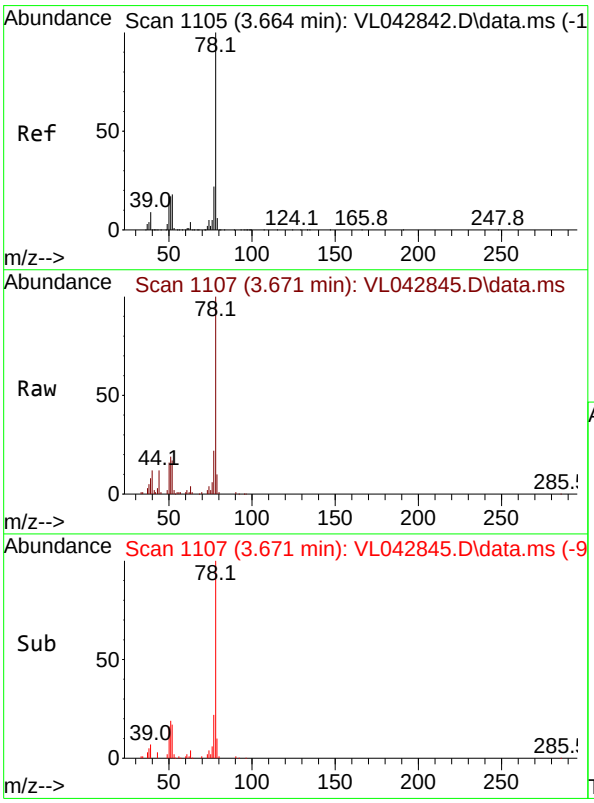
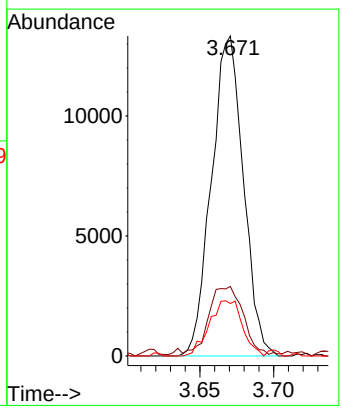
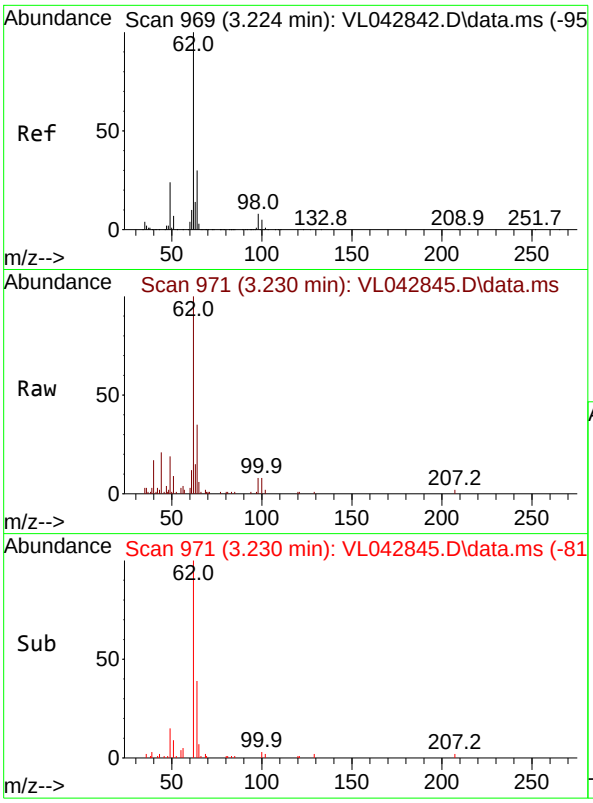


#36
Benzene
Concen: 0.529 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 78 Resp: 20073

Ion	Ratio	Lower	Upper
78	100		
77	21.0	17.7	26.5
50	16.4	13.9	20.9





#37
1,2-Dichloroethane
Concen: 0.512 ppbv
RT: 3.230 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 62 Resp: 1014

Ion	Ratio	Lower	Upper
62	100		
98	10.0	5.9	8.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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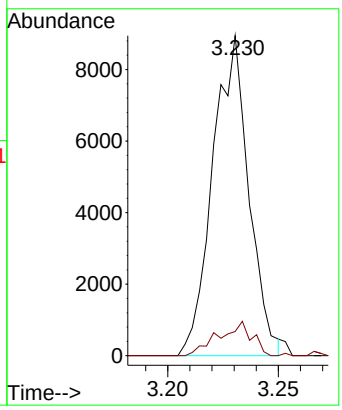
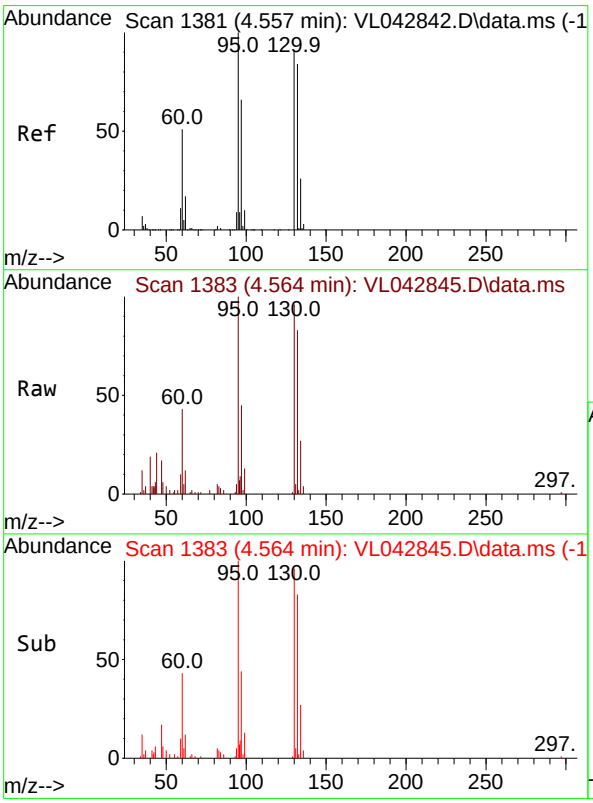
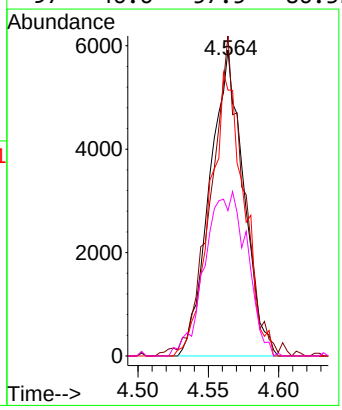


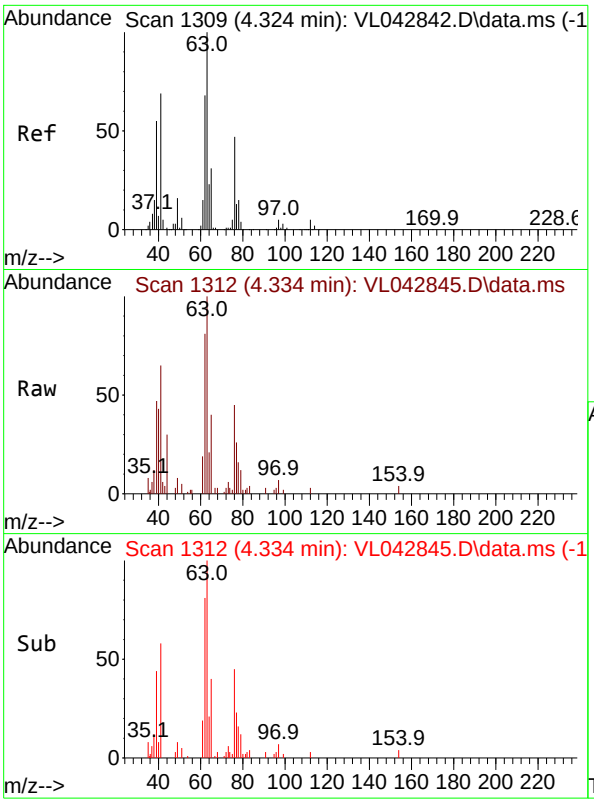


#38
Trichloroethene
Concen: 0.572 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:130 Resp: 9918

Ion	Ratio	Lower	Upper
130	100		
95	103.5	87.6	131.4
132	86.9	73.8	110.8
97	46.6	57.5	86.3#

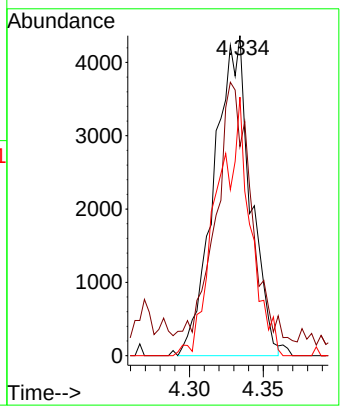




#39
1,2-Dichloropropane
Concen: 0.541 ppbv
RT: 4.334 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 63 Resp: 749

Ion	Ratio	Lower	Upper
63	100		
41	57.8	55.0	82.4
62	79.7	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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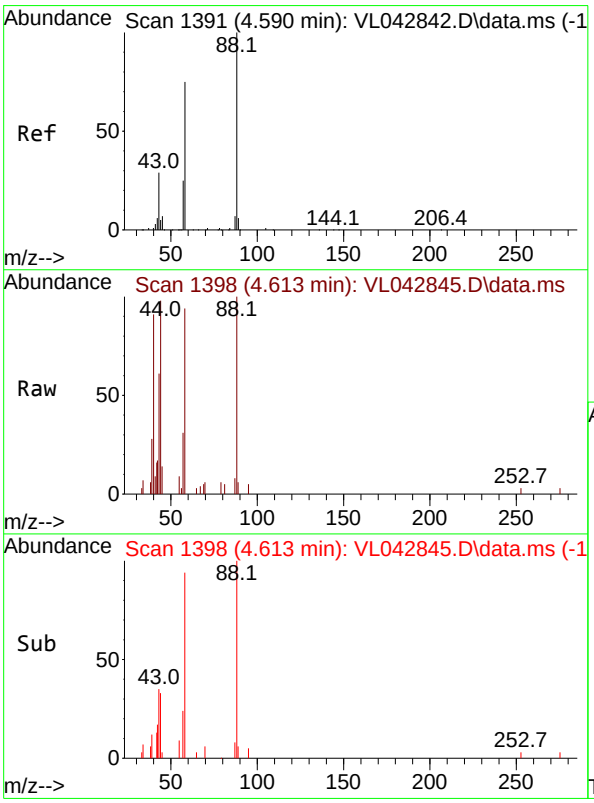
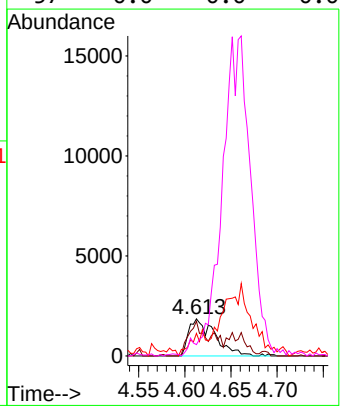
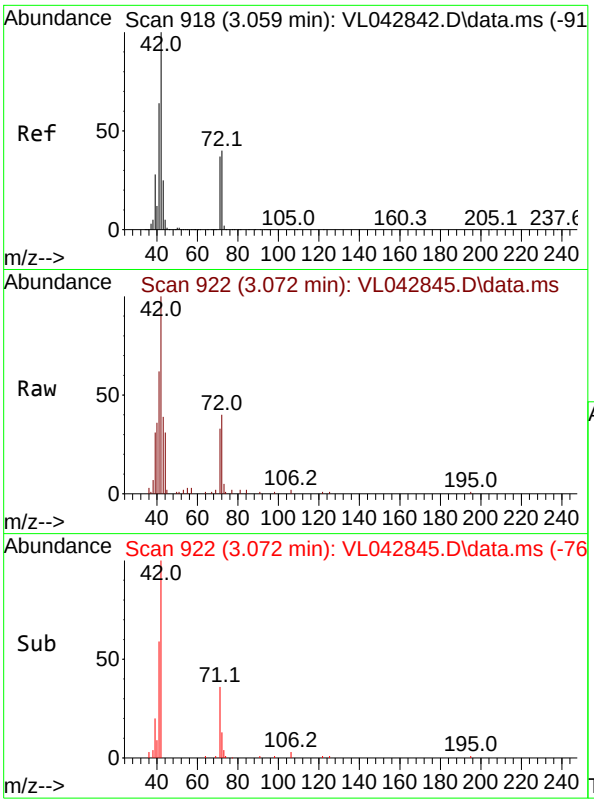


#40
1,4-Dioxane
Concen: 0.577 ppbv m
RT: 4.613 min Scan# 1398
Delta R.T. 0.023 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 88 Resp: 3743

Ion	Ratio	Lower	Upper
88	100		
58	118.4	53.8	80.6#
43	0.0	22.8	34.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.525 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 42 Resp: 782

Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.6	48.8
71	42.0	30.0	45.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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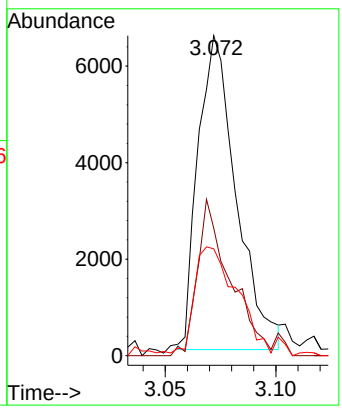
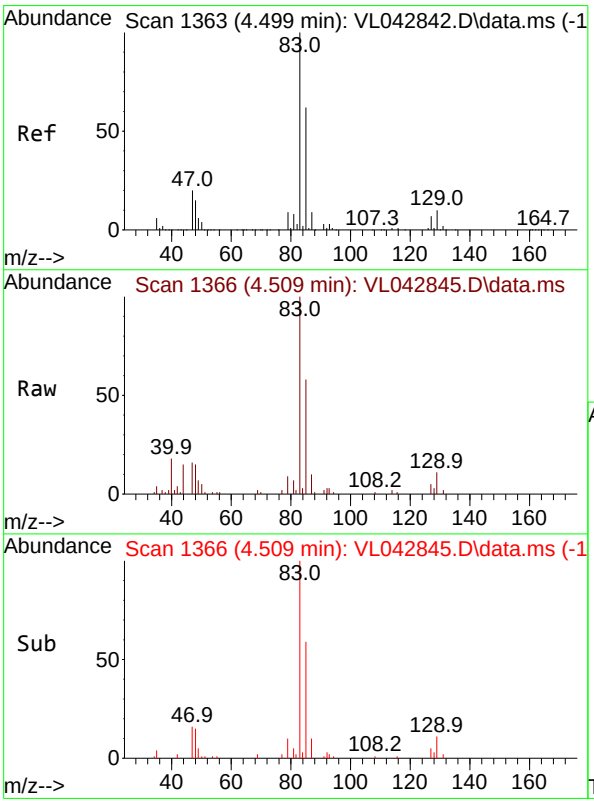
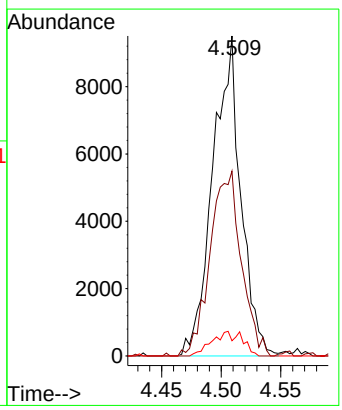


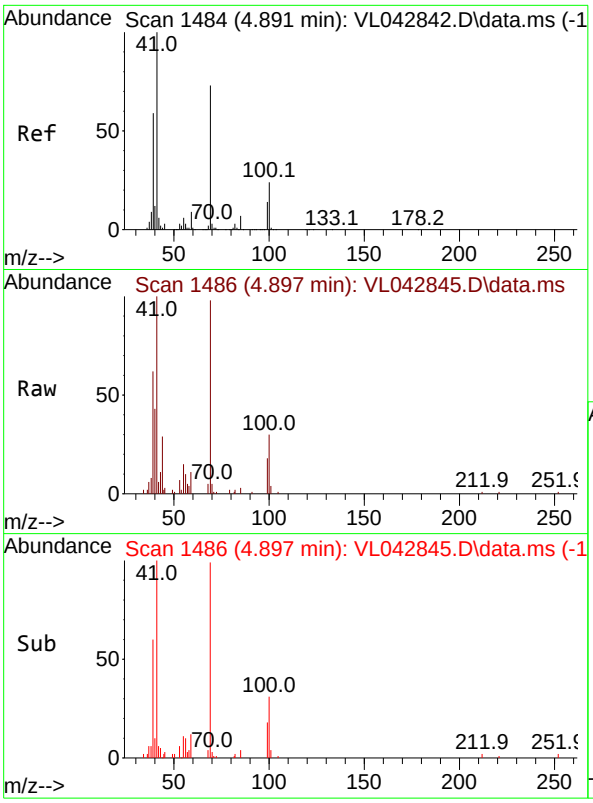


#42
Bromodichloromethane
Concen: 0.527 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 83 Resp: 15580

Ion	Ratio	Lower	Upper
83	100		
85	57.7	49.8	74.8
127	4.7	5.8	8.6#

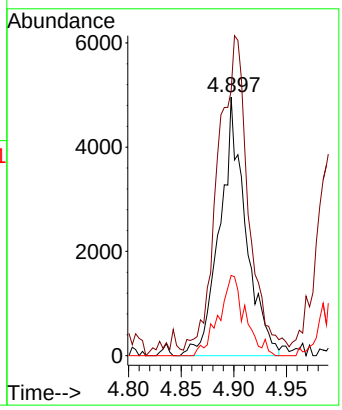




#43
Methyl Methacrylate
Concen: 0.544 ppbv m
RT: 4.897 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 69 Resp: 846

Ion	Ratio	Lower	Upper
69	100		
41	141.3	114.6	172.0
100	31.7	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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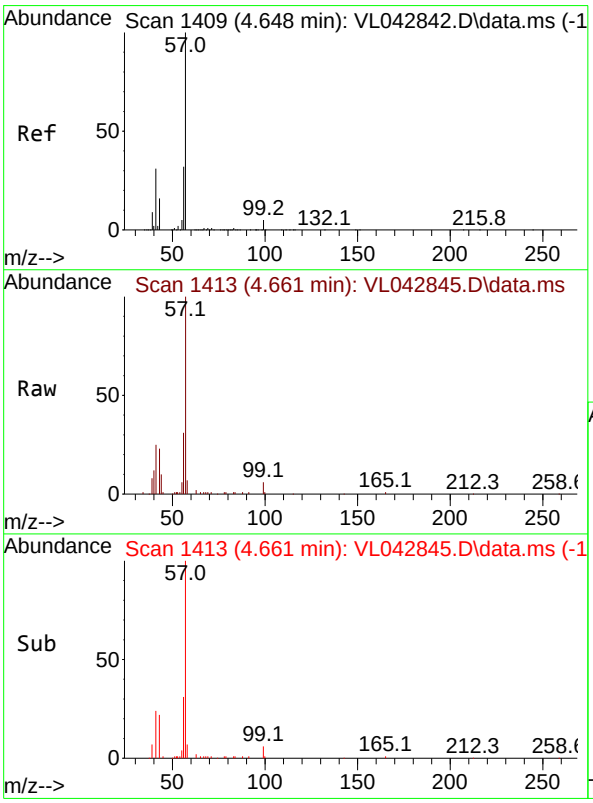
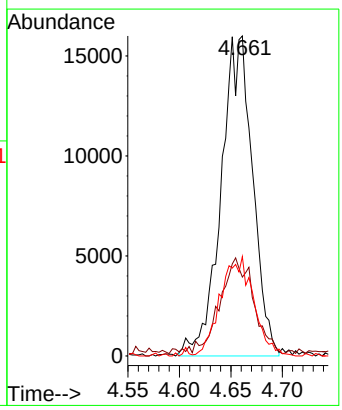
Supervised By :Mahesh Dadoda 08/18/2025

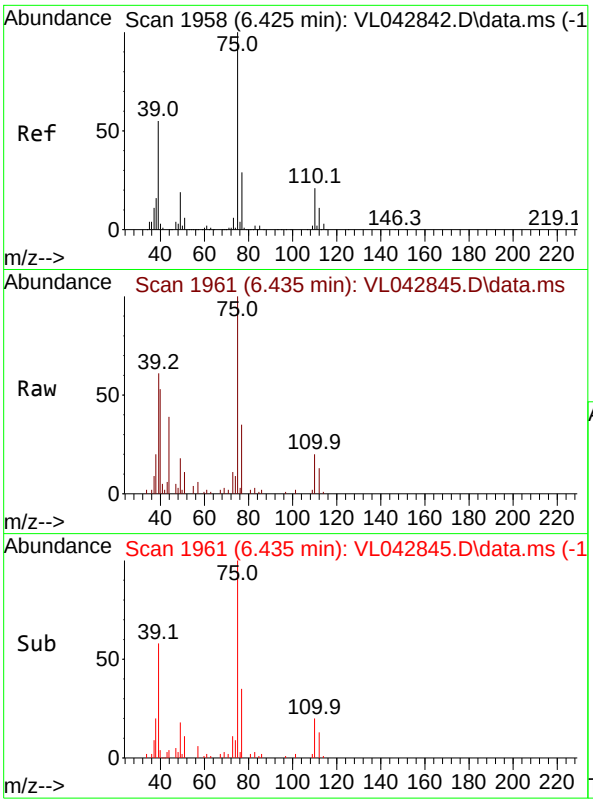


#44
2,2,4-Trimethylpentane
Concen: 0.537 ppbv m
RT: 4.661 min Scan# 1413
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 57 Resp: 34237

Ion	Ratio	Lower	Upper
57	100		
41	32.2	24.8	37.2
56	0.0	25.5	38.3#

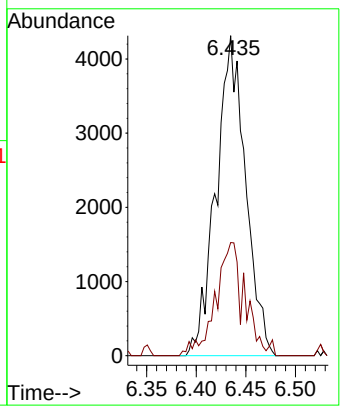




#45
t-1,3-Dichloropropene
Concen: 0.505 ppbv m
RT: 6.435 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 75 Resp: 891

Ion	Ratio	Lower	Upper
75	100		
77	35.4	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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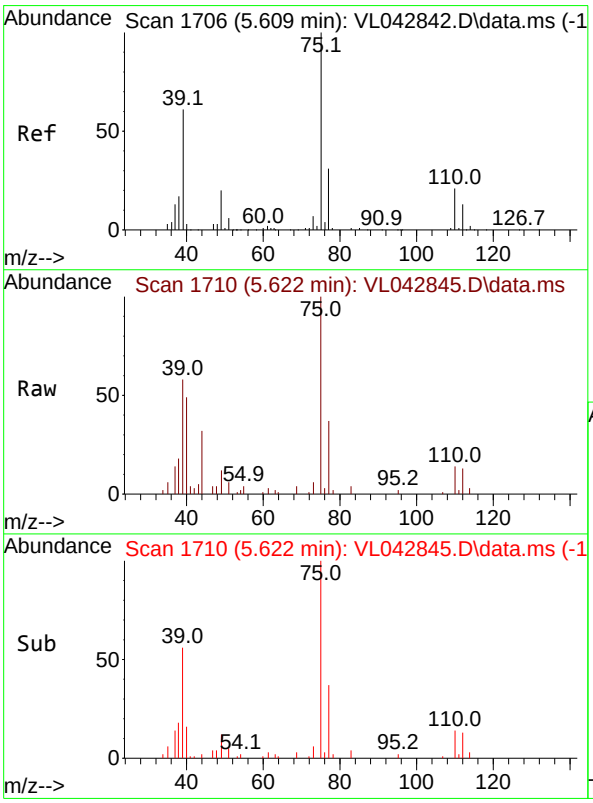
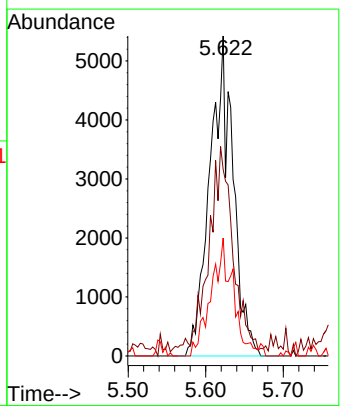
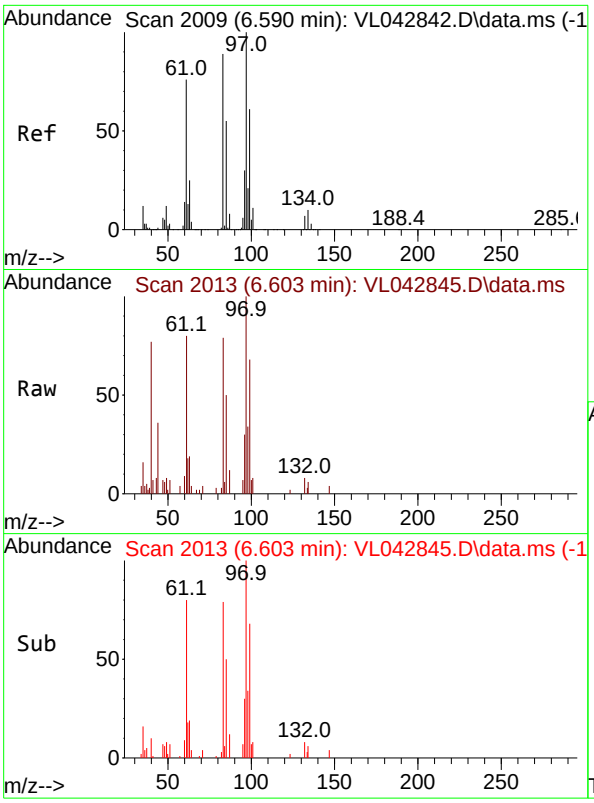


#46
cis-1,3-Dichloropropene
Concen: 0.508 ppbv m
RT: 5.622 min Scan# 1710
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 75 Resp: 11259

Ion	Ratio	Lower	Upper
75	100		
39	58.3	48.9	73.3
77	36.9	24.9	37.3

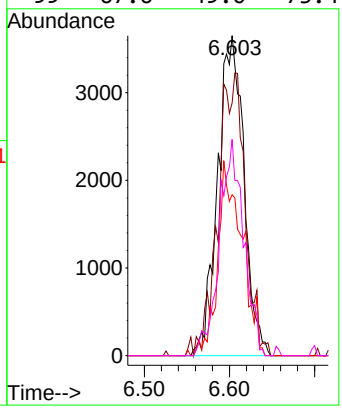




#47
1,1,2-Trichloroethane
Concen: 0.534 ppbv m
RT: 6.603 min Scan# 2(
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 97 Resp: 783

Ion	Ratio	Lower	Upper
97	100		
83	78.9	71.0	106.4
85	50.3	43.6	65.4
99	67.6	49.0	73.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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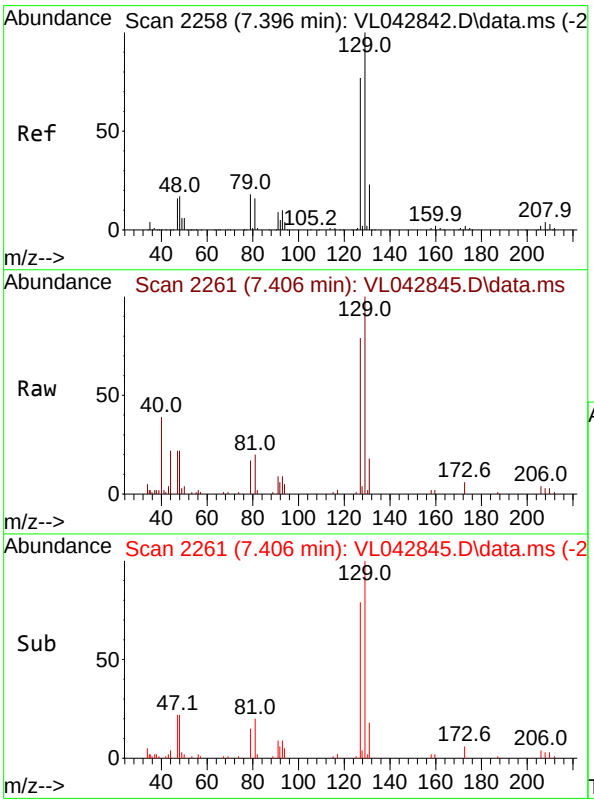
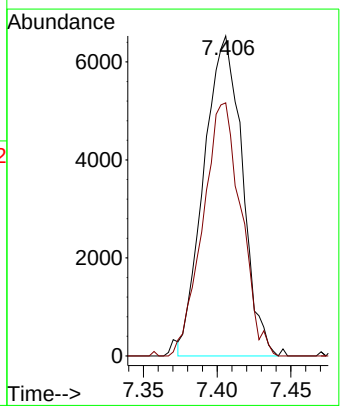
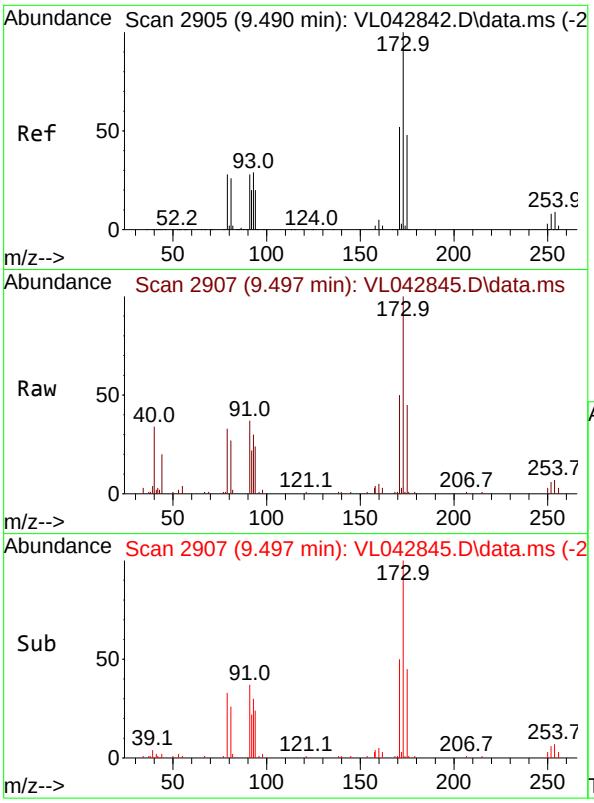


#48
Dibromochloromethane
Concen: 0.497 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:129 Resp: 11805

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.4	118.2

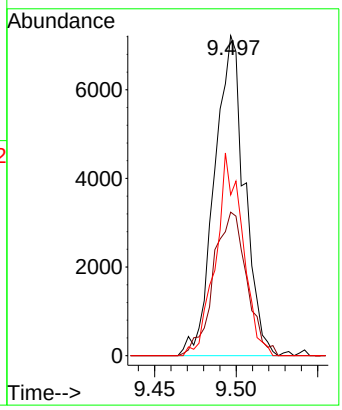




#49
Bromoform
Concen: 0.471 ppbv
RT: 9.497 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:173 Resp: 923

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.2	58.8
171	57.0	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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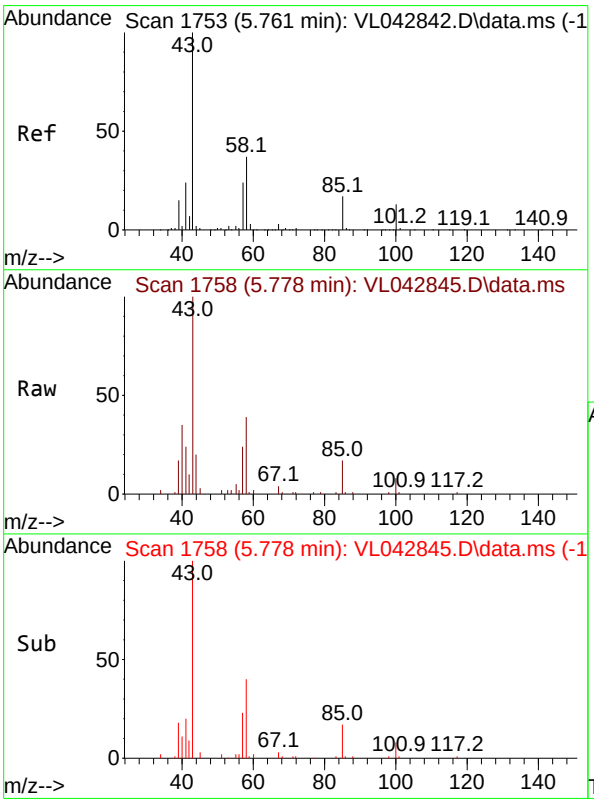
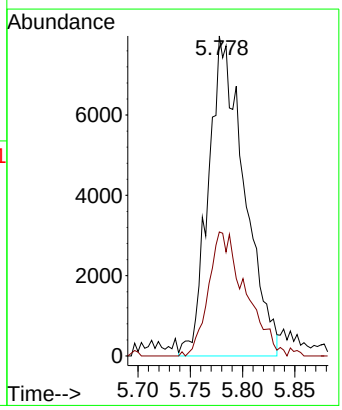
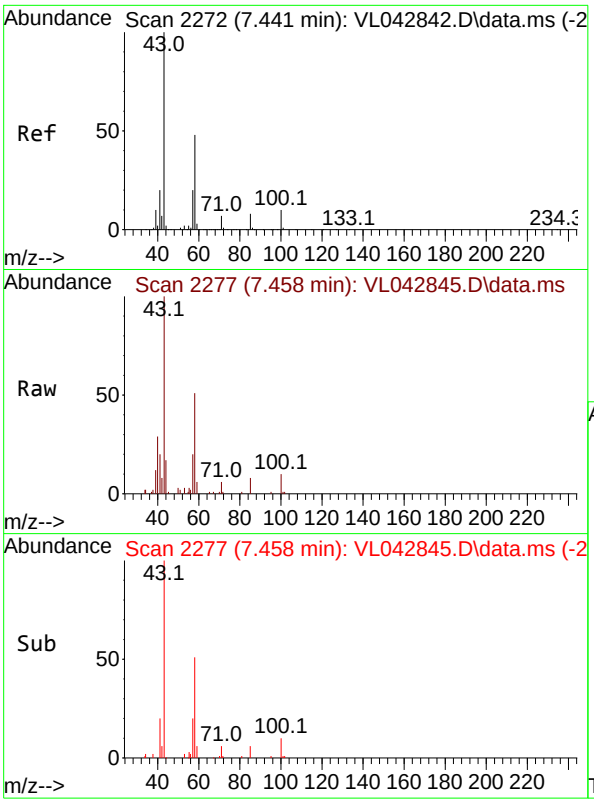


#50
4-Methyl-2-Pentanone
Concen: 0.524 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 19028

Ion	Ratio	Lower	Upper
43	100		
58	40.4	29.8	44.8





#51
2-Hexanone
Concen: 0.503 ppbv
RT: 7.458 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 1432

Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.0	61.6
98	0.0	0.1	0.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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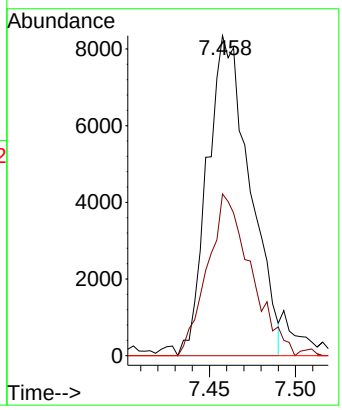
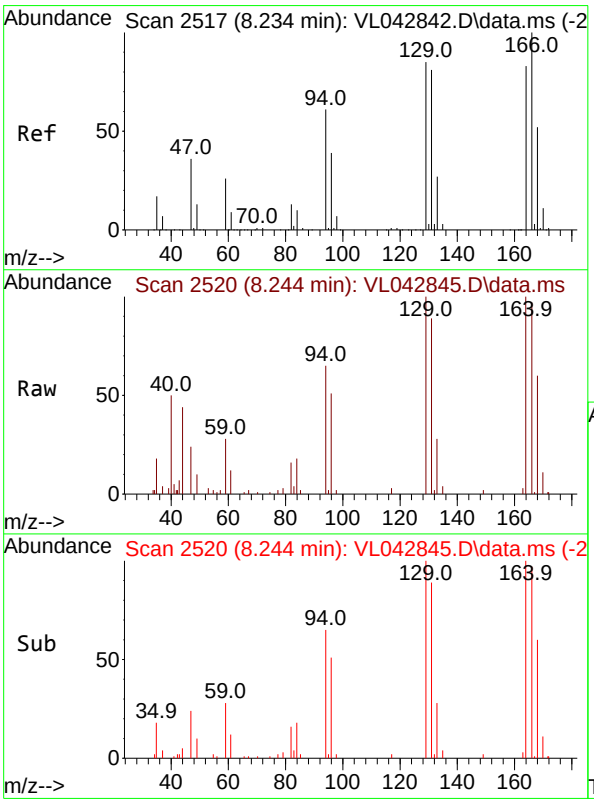
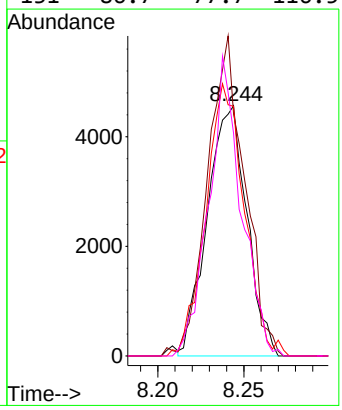


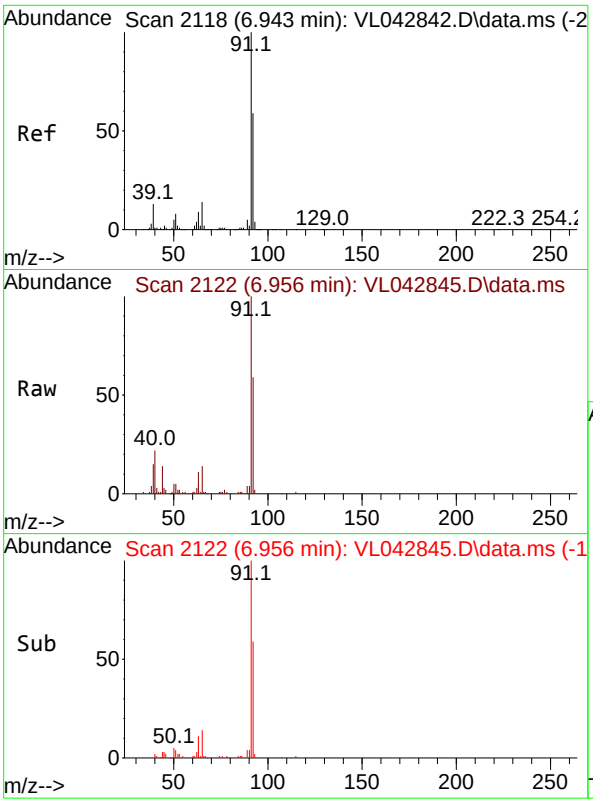


#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:164 Resp: 7304

Ion	Ratio	Lower	Upper
164	100		
166	95.1	96.5	144.7#
129	98.0	81.8	122.6
131	86.7	77.7	116.5

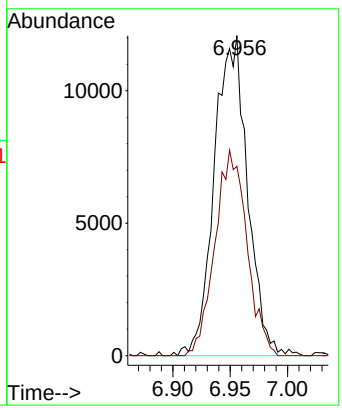




#53
Toluene
Concen: 0.535 ppbv m
RT: 6.956 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 2415

Ion	Ratio	Lower	Upper
91	100		
92	62.1	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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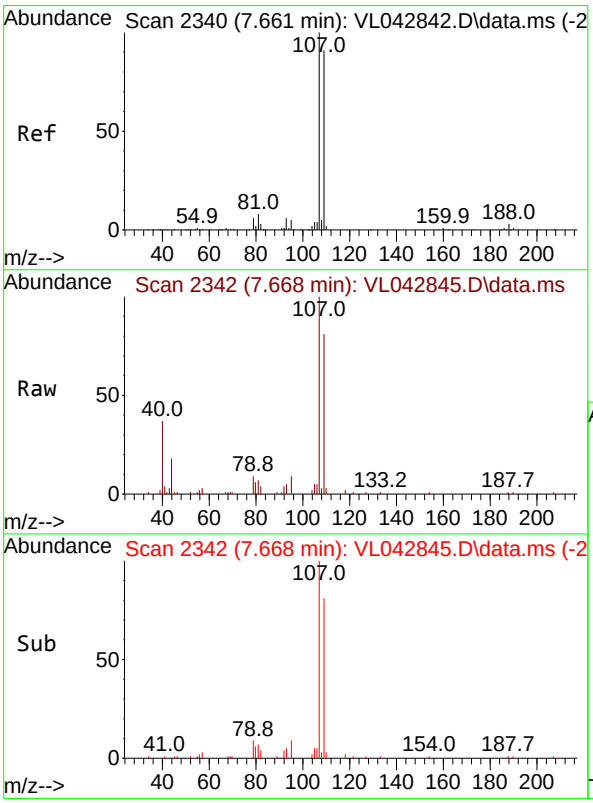
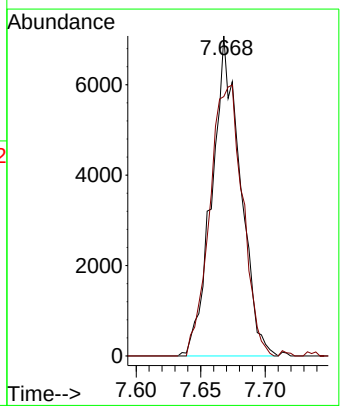
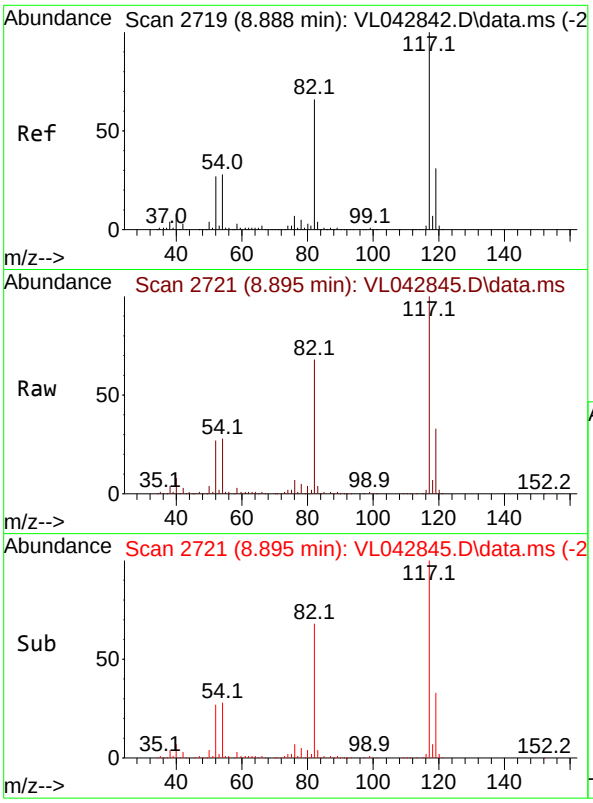


#54
1,2-Dibromoethane
Concen: 0.507 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:107 Resp: 10873

Ion	Ratio	Lower	Upper
107	100		
109	81.0	72.5	108.7

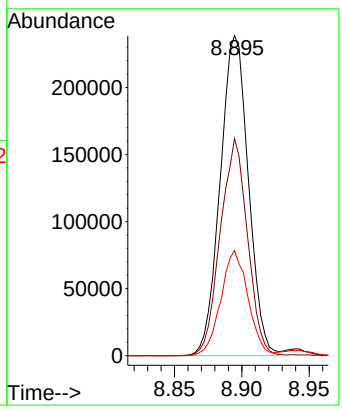




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:117 Resp: 34800

Ion	Ratio	Lower	Upper
117	100		
82	65.4	54.6	81.8
119	33.4	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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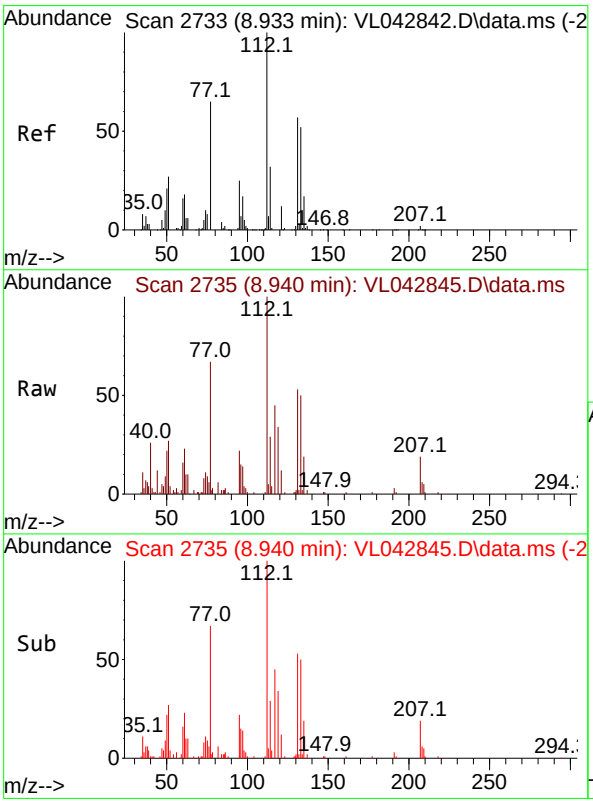
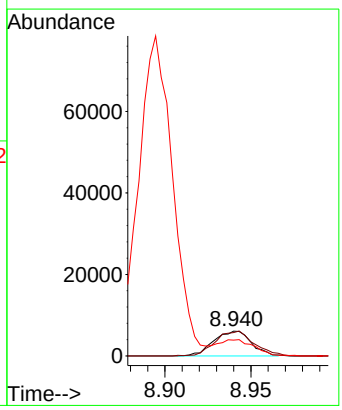
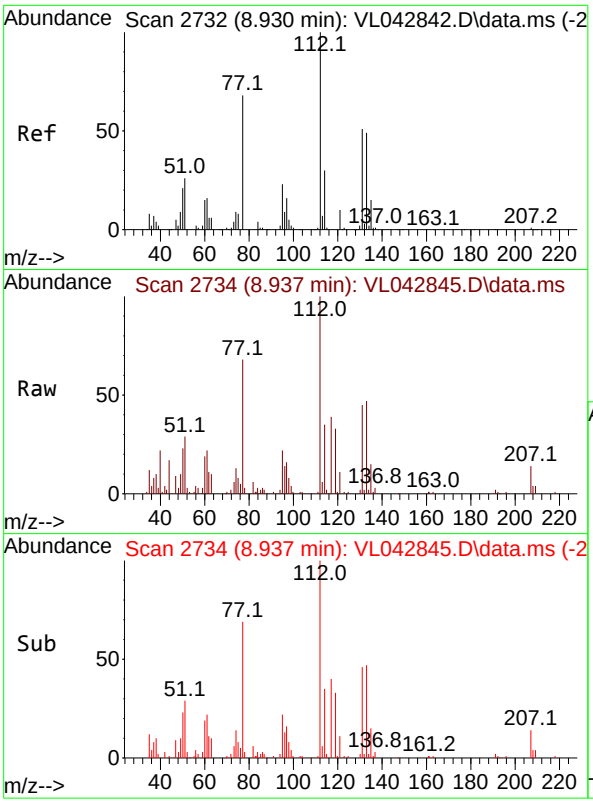


#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:131 Resp: 9300

Ion	Ratio	Lower	Upper
131	100		
133	102.5	77.4	116.0
119	1250.4	51.2	76.8#





#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 8.937 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:112 Resp: 1784

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	35.2	27.2	33.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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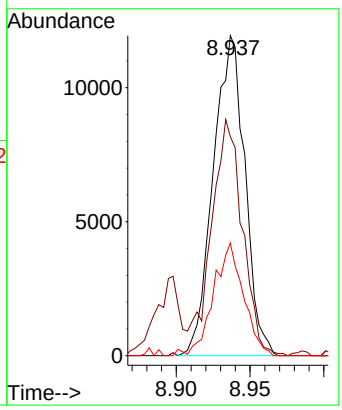
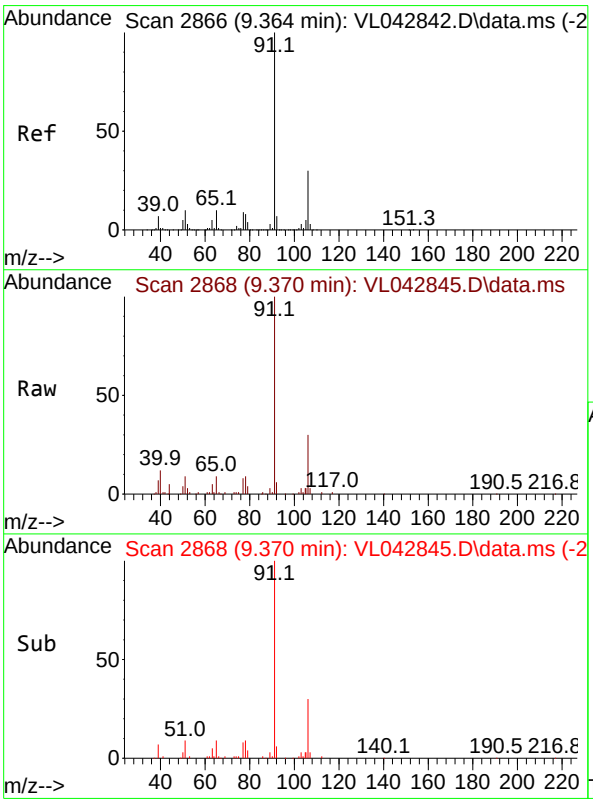
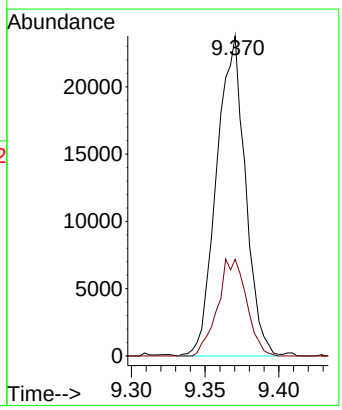


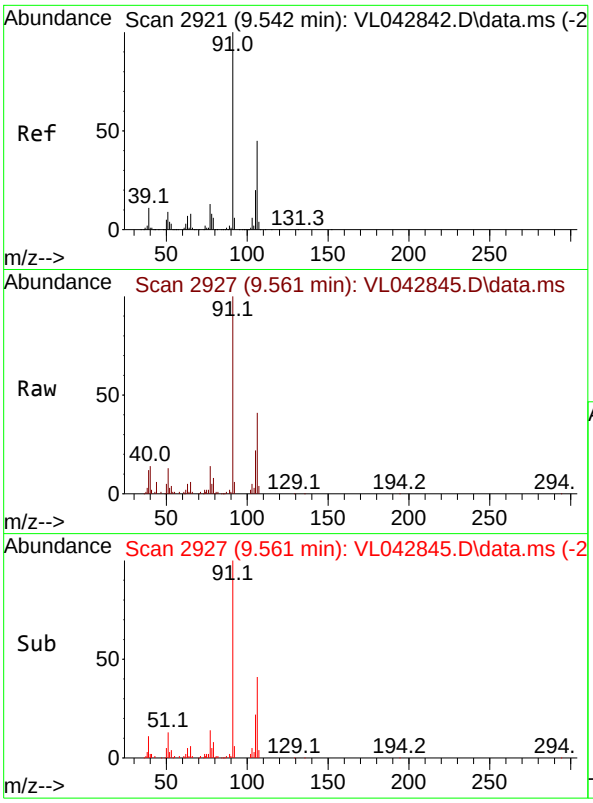


#58
Ethyl Benzene
Concen: 0.525 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 32261

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

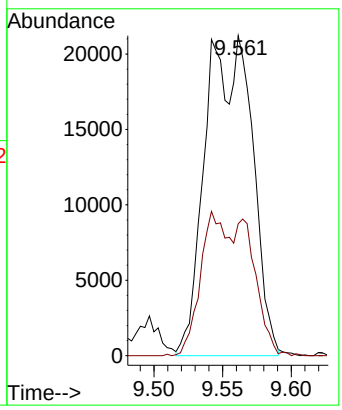




#59
m/p-Xylene
Concen: 1.045 ppbv m
RT: 9.561 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 5037

Ion	Ratio	Lower	Upper
91	100		
106	46.9	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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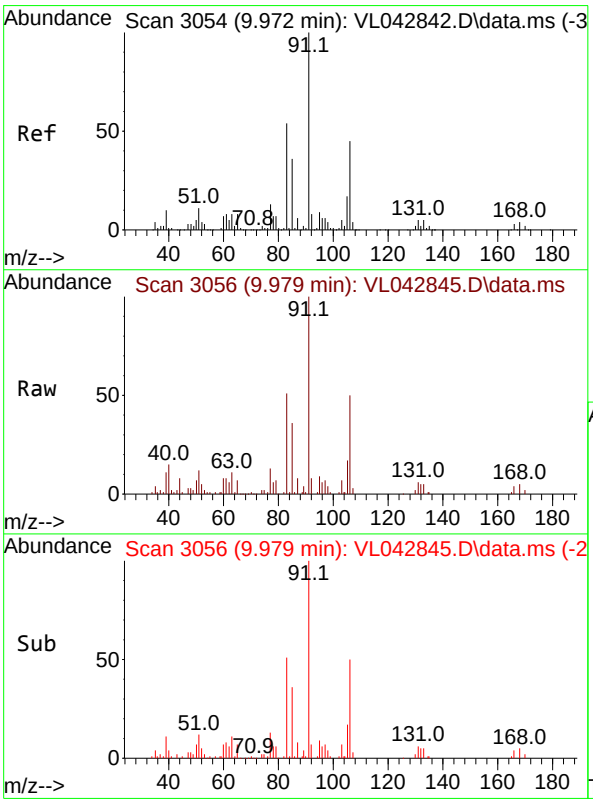
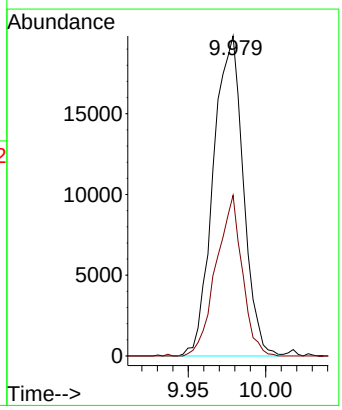
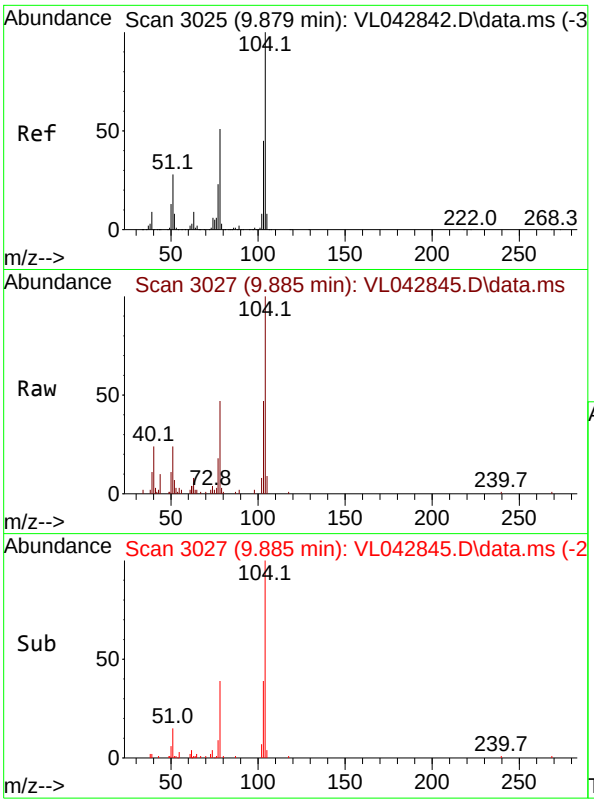


#60
o-Xylene
Concen: 0.551 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 26662

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.8	65.4

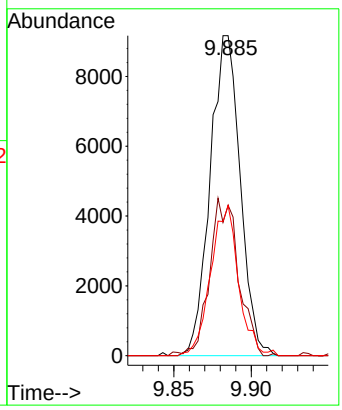




#61
Styrene
Concen: 0.546 ppbv
RT: 9.885 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:104 Resp: 1237

Ion	Ratio	Lower	Upper
104	100		
78	47.4	40.6	61.0
103	43.4	37.7	56.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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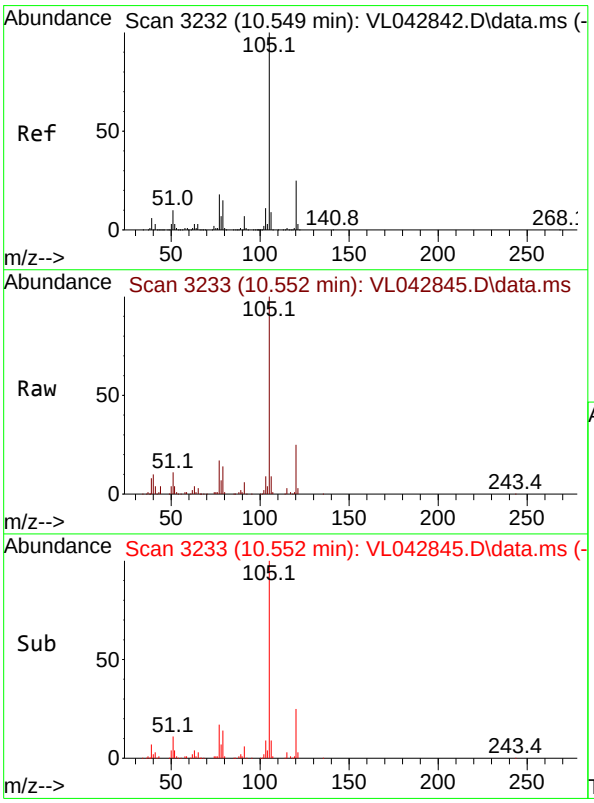
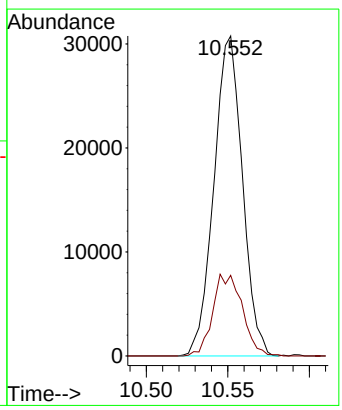
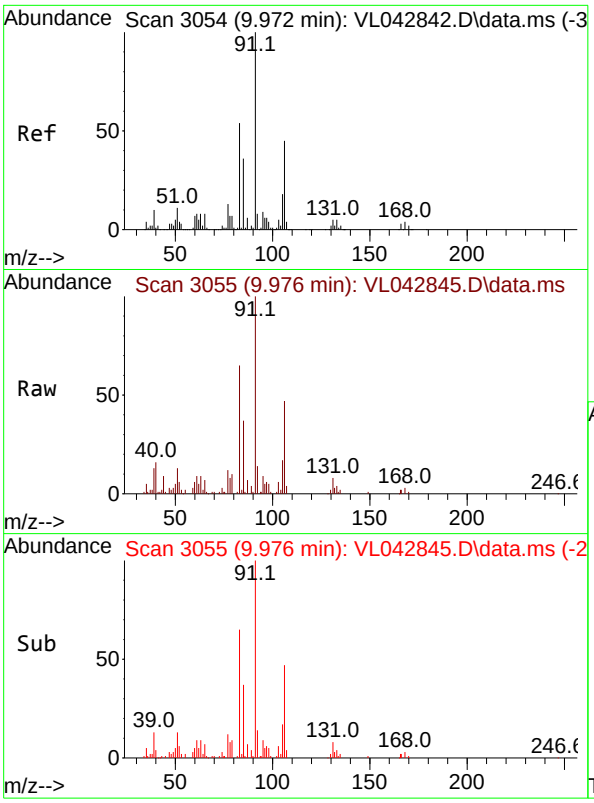


#62
Isopropylbenzene
Concen: 0.529 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 37401

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.6	30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 9.976 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 83 Resp: 1382

Ion	Ratio	Lower	Upper
83	100		
131	12.0	4.8	14.3
85	68.3	32.3	96.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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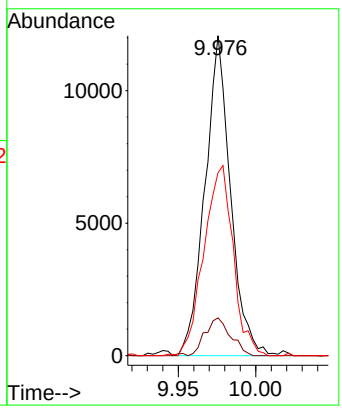
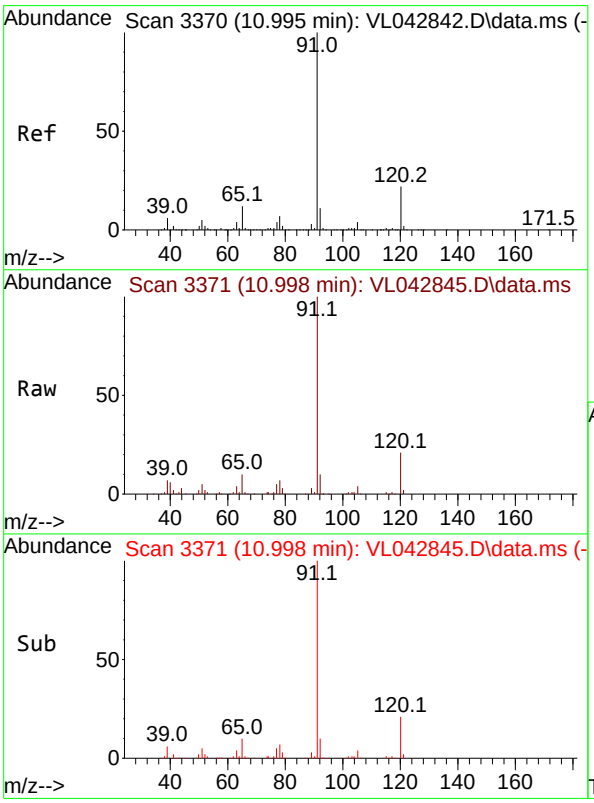
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

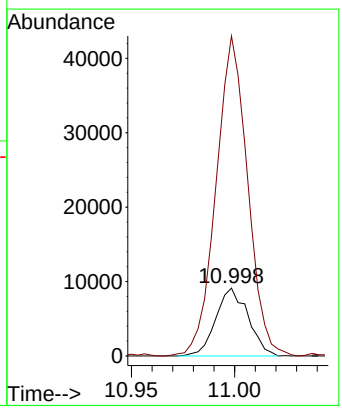


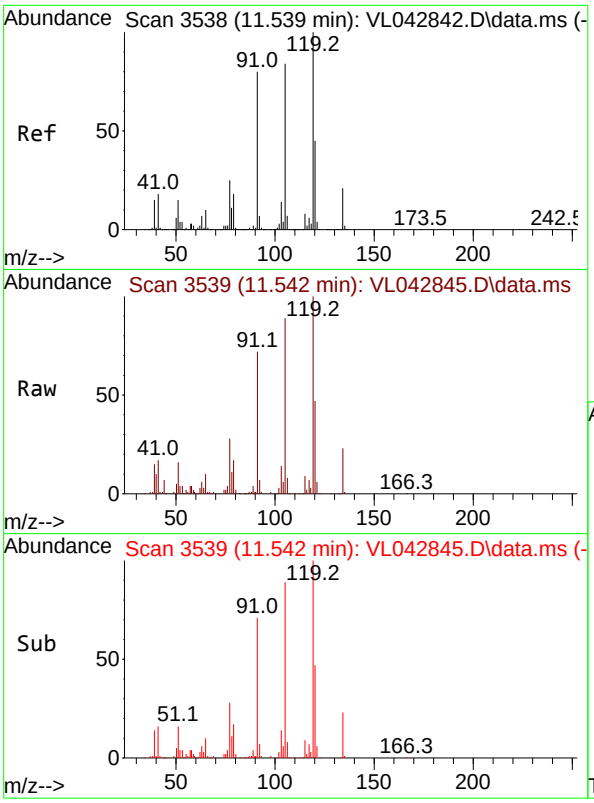


#64
n-propylbenzene
Concen: 0.550 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:120 Resp: 9922

Ion	Ratio	Lower	Upper
120	100		
91	463.3	375.8	563.6

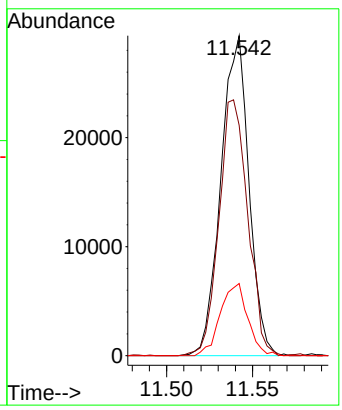




#65
tert-Butylbenzene
Concen: 0.532 ppbv
RT: 11.542 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:119 Resp: 3318

Ion	Ratio	Lower	Upper
119	100		
91	82.8	63.9	95.9
134	22.1	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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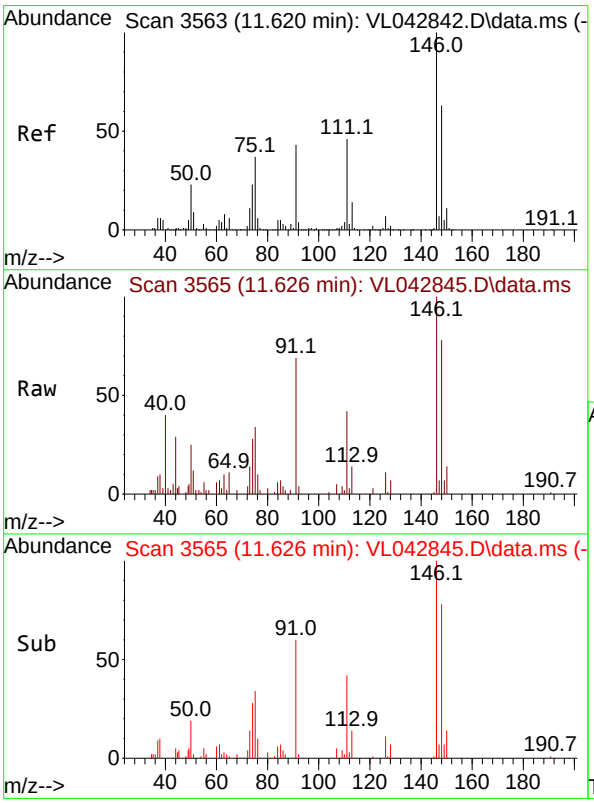
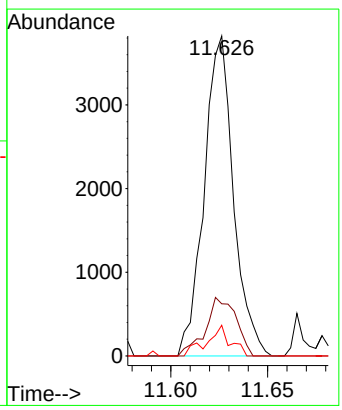
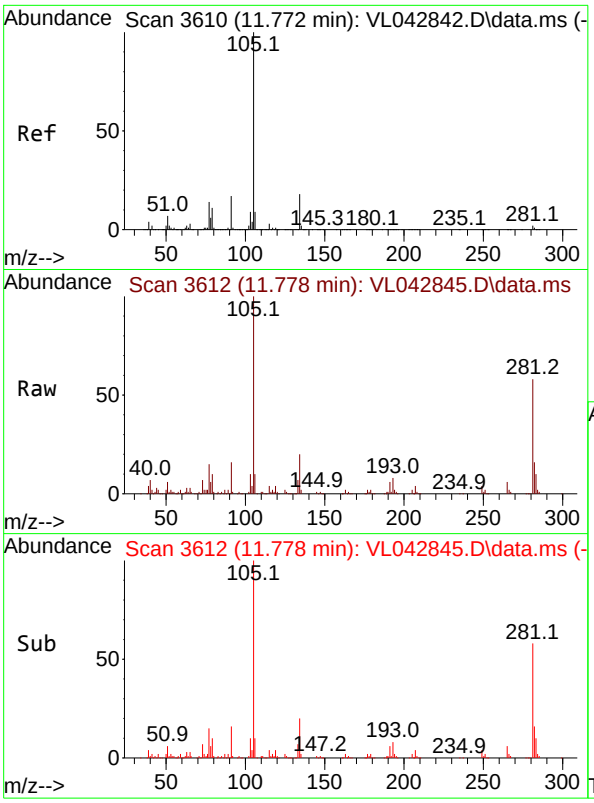


#66
Benzyl Chloride
Concen: 0.510 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 4039

Ion	Ratio	Lower	Upper
91	100		
126	19.0	14.2	21.4
128	7.6	5.0	7.6#

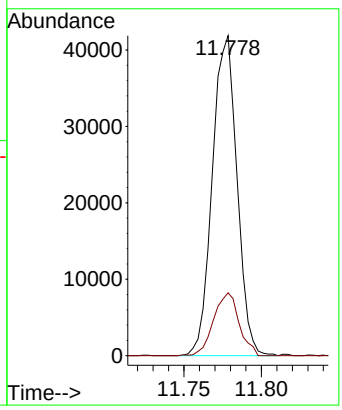




#67
sec-Butylbenzene
Concen: 0.530 ppbv
RT: 11.778 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 4643

Ion	Ratio	Lower	Upper
105	100		
134	20.3	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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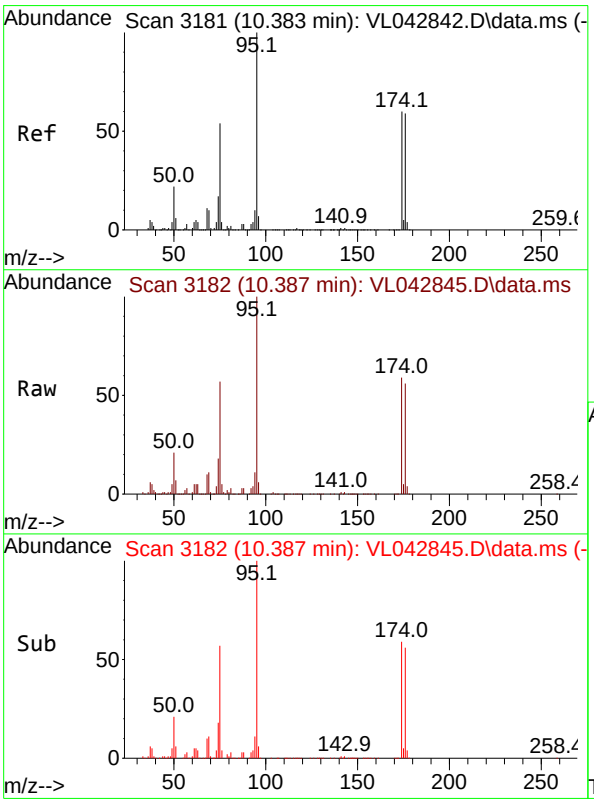
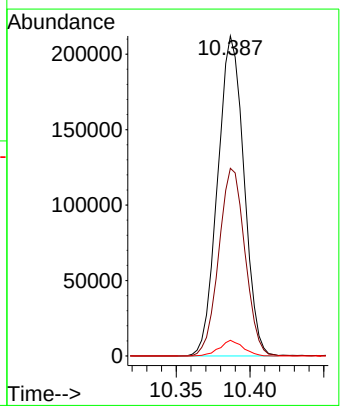
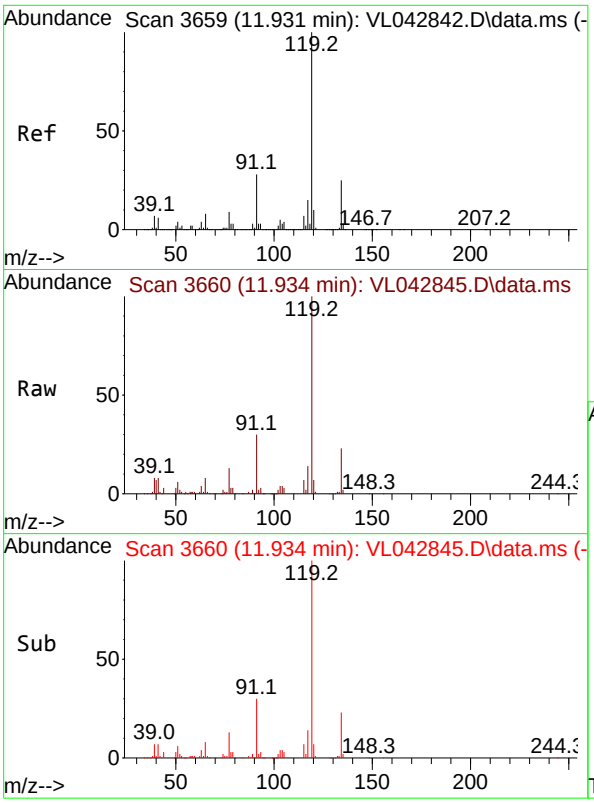


#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 95 Resp: 262663

Ion	Ratio	Lower	Upper
95	100		
174	58.8	48.4	72.6
175	4.4	3.8	5.8

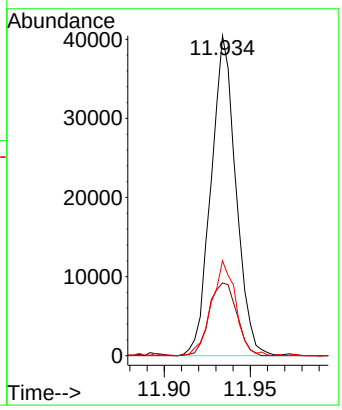




#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:119 Resp: 4068

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.0	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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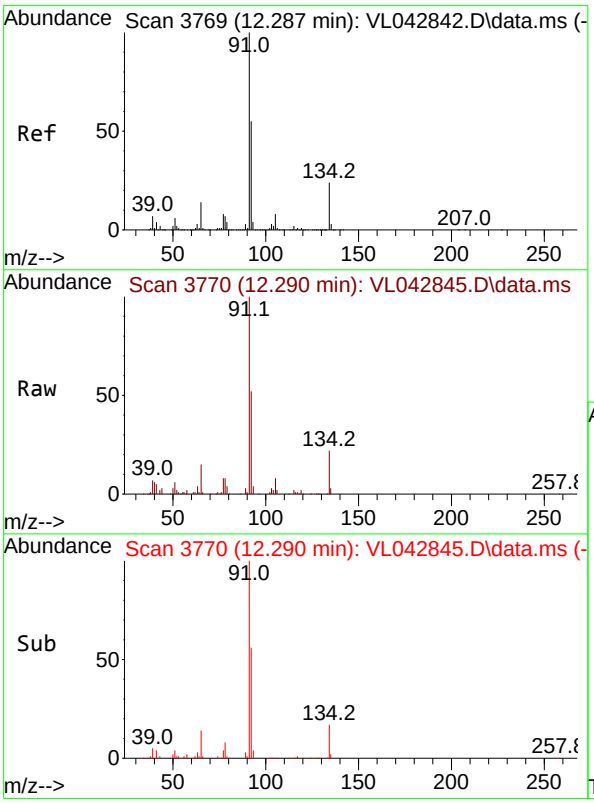
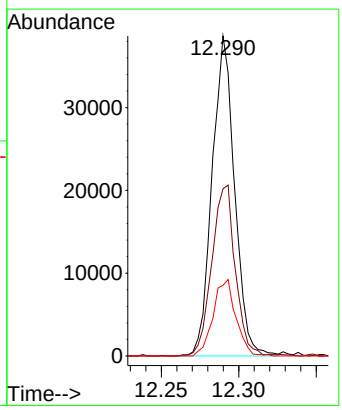
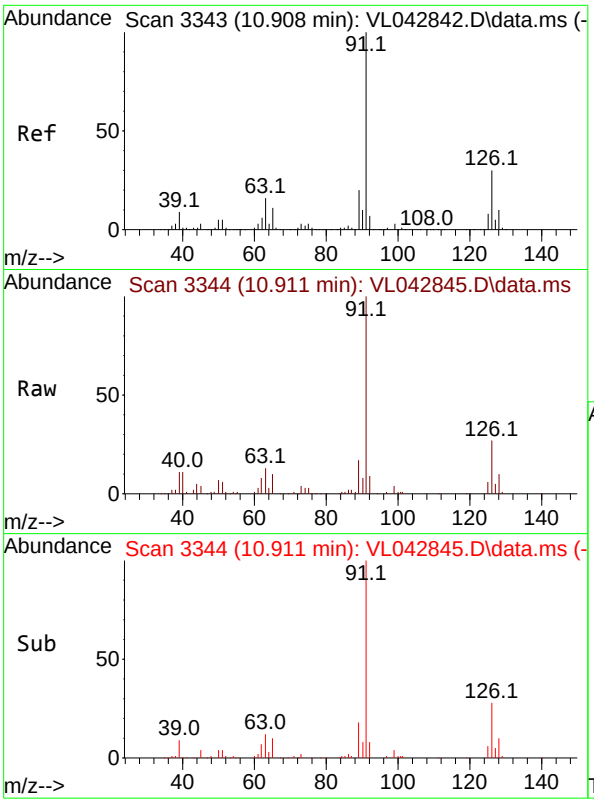


#70
n-Butylbenzene
Concen: 0.521 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 38867

Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.6	66.8
134	24.2	19.0	28.4

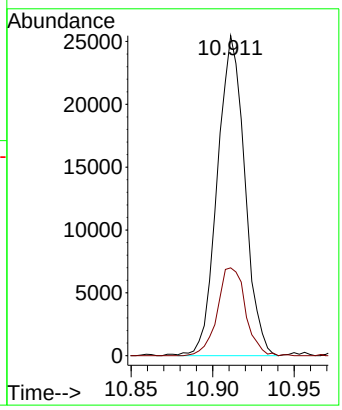




#71
2-Chlorotoluene
Concen: 0.541 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 2973

Ion	Ratio	Lower	Upper
91	100		
126	28.2	12.0	47.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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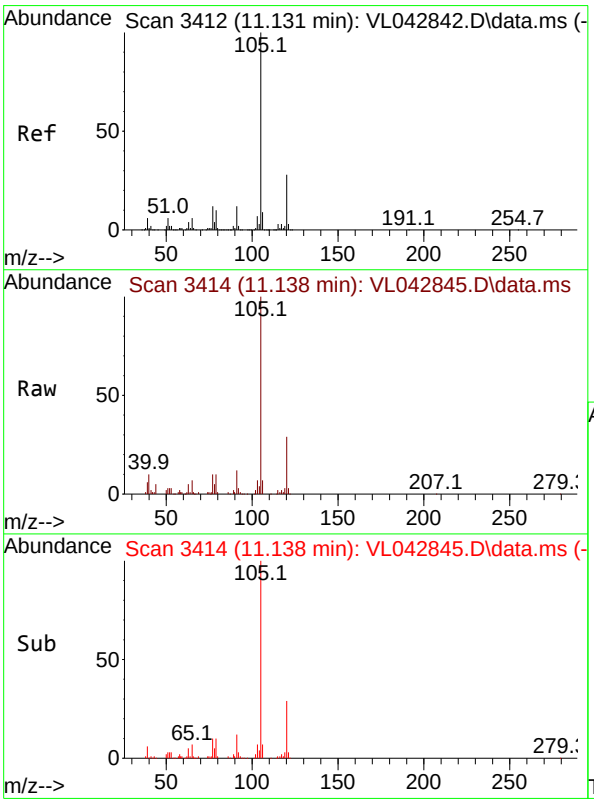
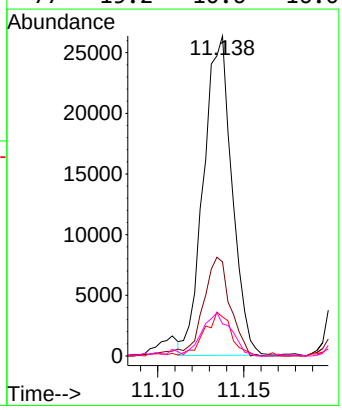
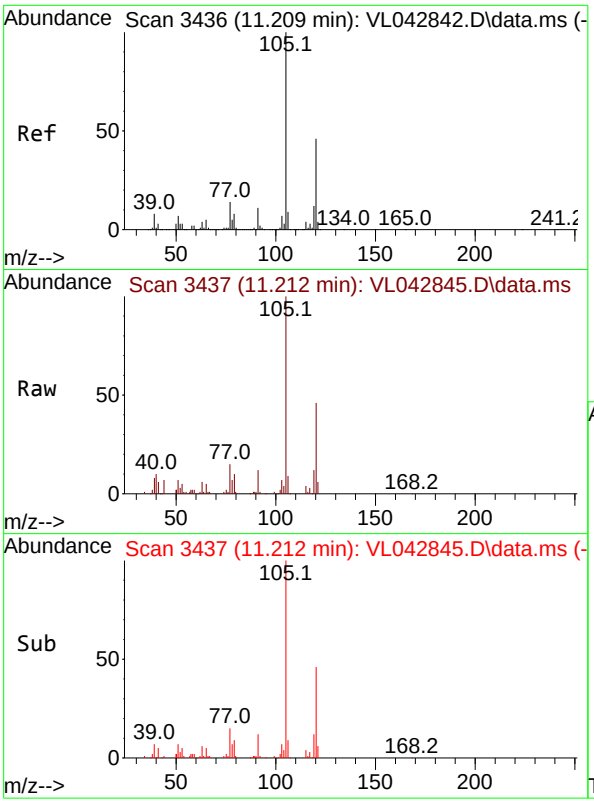


#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 30234

Ion	Ratio	Lower	Upper
105	100		
120	30.5	23.4	35.2
91	13.8	9.8	14.6
77	15.2	10.6	16.0

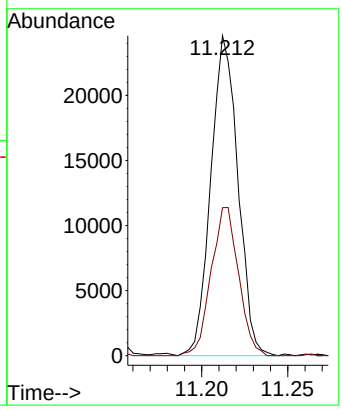




#73
1,3,5-Trimethylbenzene
Concen: 0.540 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 2694

Ion	Ratio	Lower	Upper
105	100		
120	46.2	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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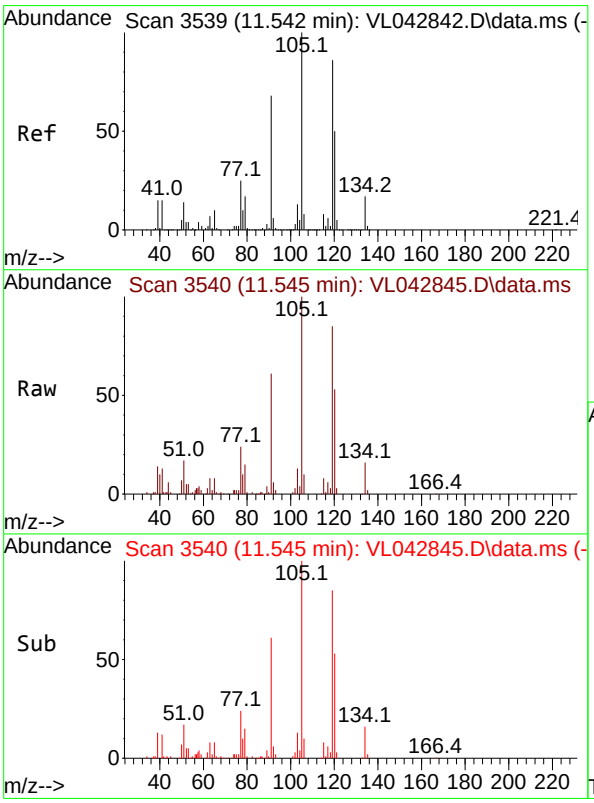
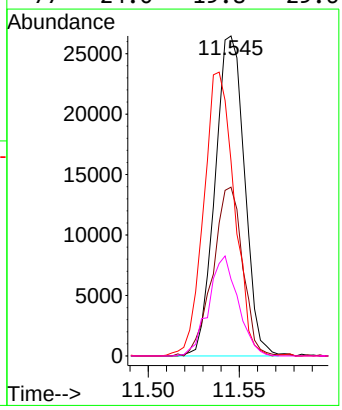
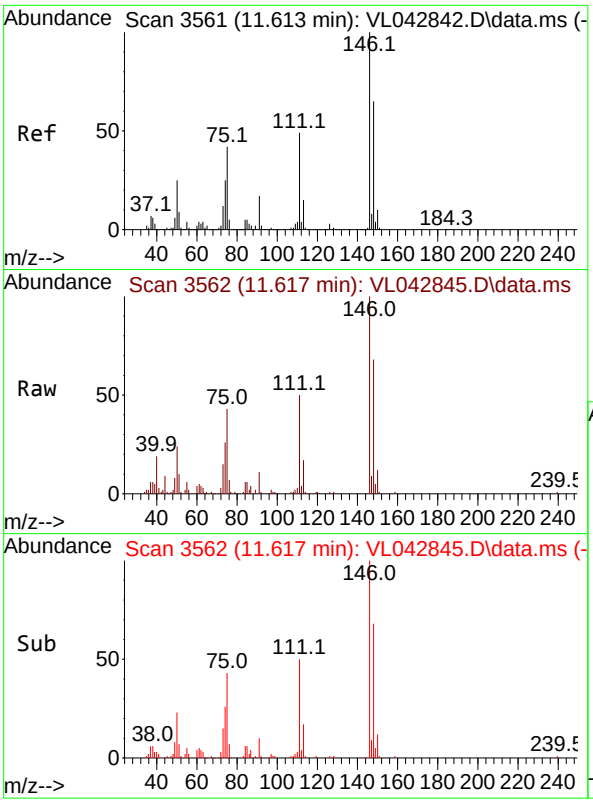


#74
1,2,4-Trimethylbenzene
Concen: 0.543 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 29750

Ion	Ratio	Lower	Upper
105	100		
120	52.4	39.8	59.6
91	60.6	54.2	81.4
77	24.0	19.8	29.6

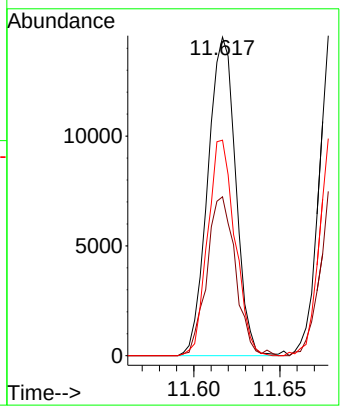




#75
1,3-Dichlorobenzene
Concen: 0.524 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:146 Resp: 1631

Ion	Ratio	Lower	Upper
146	100		
111	51.2	23.9	71.7
148	66.5	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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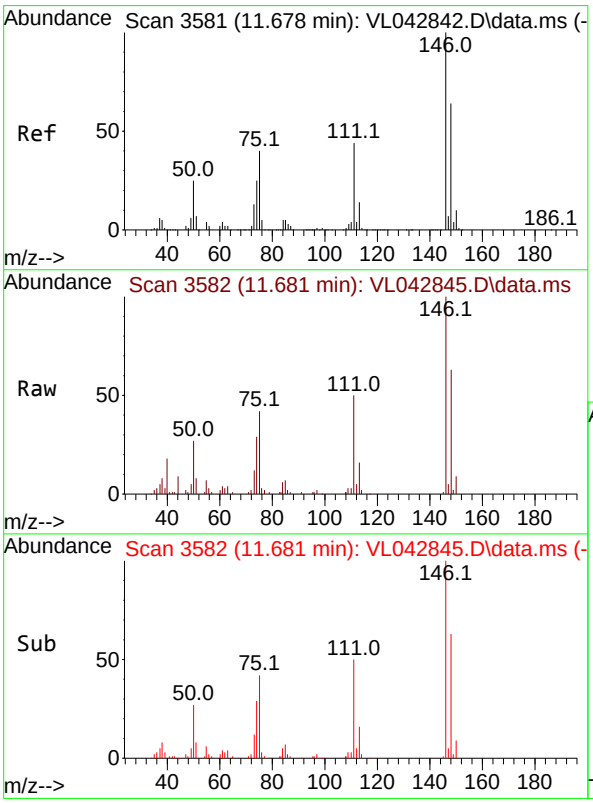
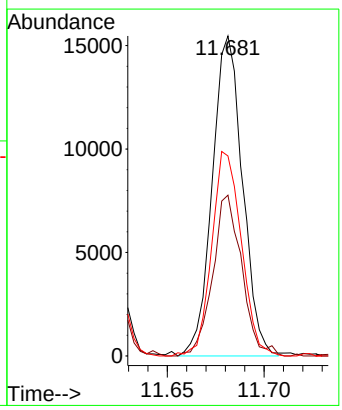
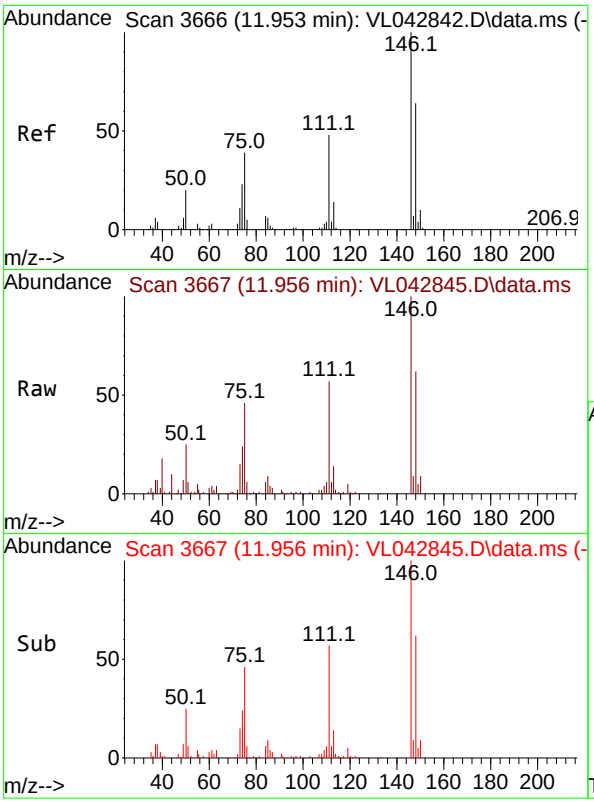


#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:146 Resp: 16803

Ion	Ratio	Lower	Upper
146	100		
111	48.3	22.7	68.1
148	62.7	31.8	95.3

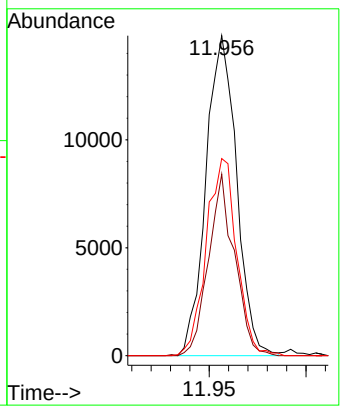




#77
1,2-Dichlorobenzene
Concen: 0.535 ppbv
RT: 11.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:146 Resp: 1630

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.6	74.0
148	61.1	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
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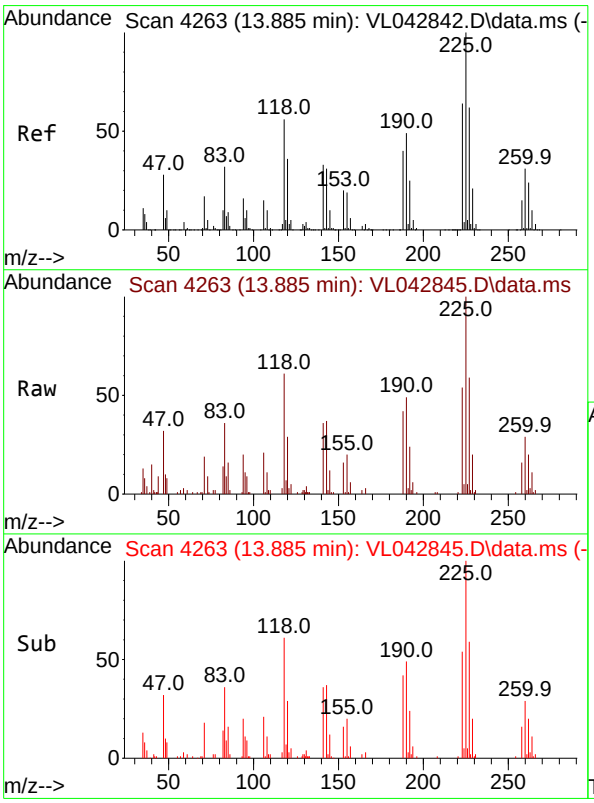
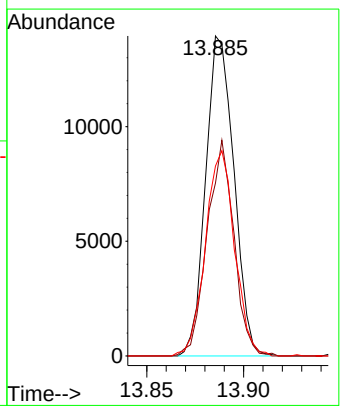
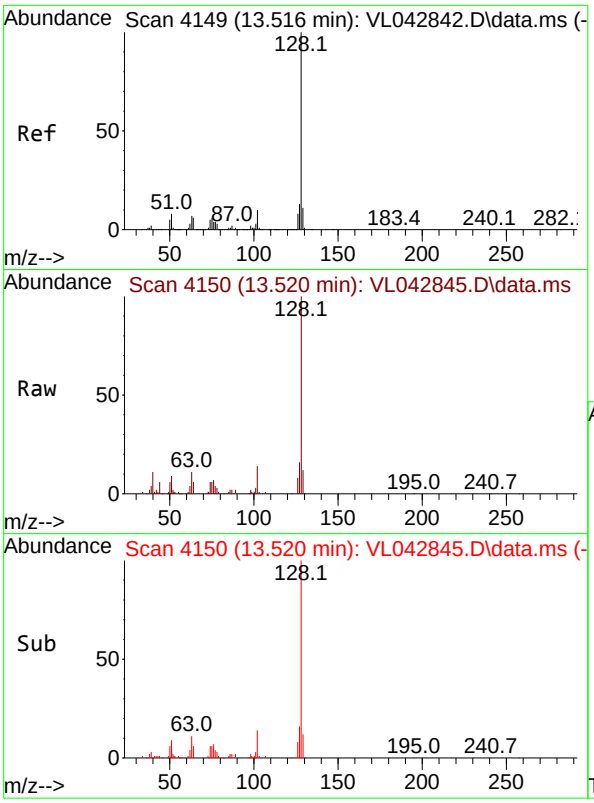


#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:225 Resp: 14165

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.4	77.2
227	66.2	51.9	77.9

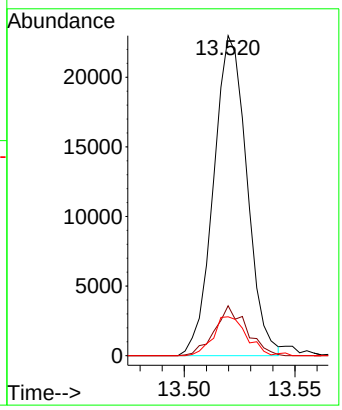




#79
Naphthalene
Concen: 0.491 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:128 Resp: 2405

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	16.0
129	12.2	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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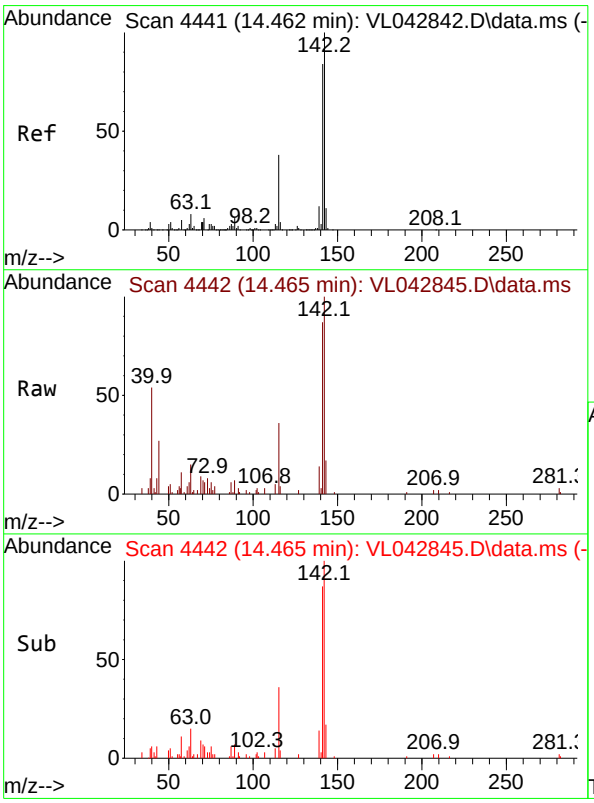
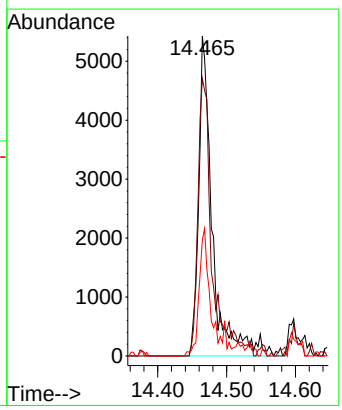
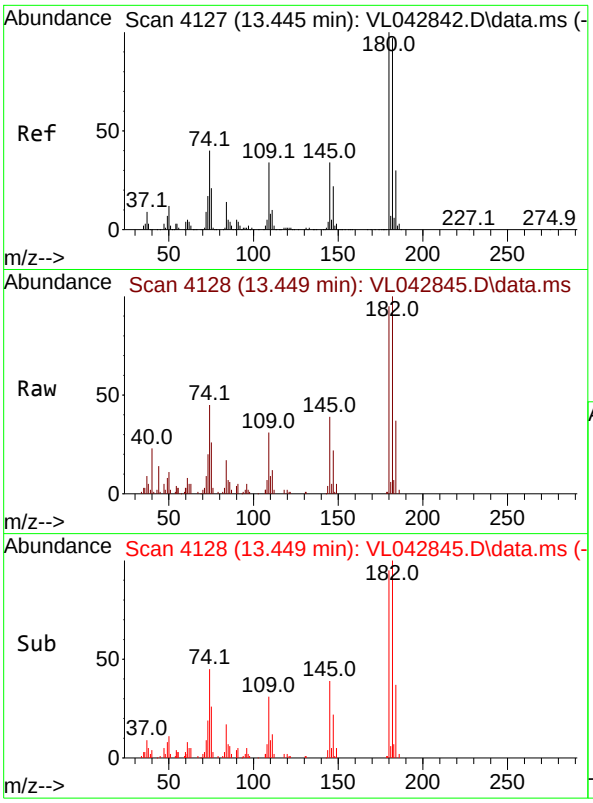


#80
Naphthalene,2-methyl-
Concen: 0.405 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:142 Resp: 7482

Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.0	100.6
115	38.5	30.9	46.3

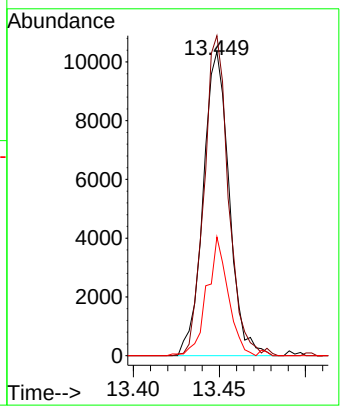




#81
1,2,4-Trichlorobenzene
Concen: 0.434 ppbv
RT: 13.449 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:180 Resp: 1084

Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.9	115.3
184	32.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt
08/14/2025
Supervised By :Mahesh Dadoda
08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	123711	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390520	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	345073	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	257439	9.948	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	790	0.110	ppbv #	86
32) 1,1,1-Trichloroethane	3.373	97	3128m	0.113	ppbv	
35) Carbon Tetrachloride	3.774	117	2883	0.107	ppbv	89
38) Trichloroethene	4.557	130	1748m	0.102	ppbv	
52) Tetrachloroethene	8.234	164	1479m	0.109	ppbv	
54) 1,2-Dibromoethane	7.665	107	2339m	0.111	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	2672	0.102	ppbv	99
79) Naphthalene	13.520	128	4051m	0.083	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

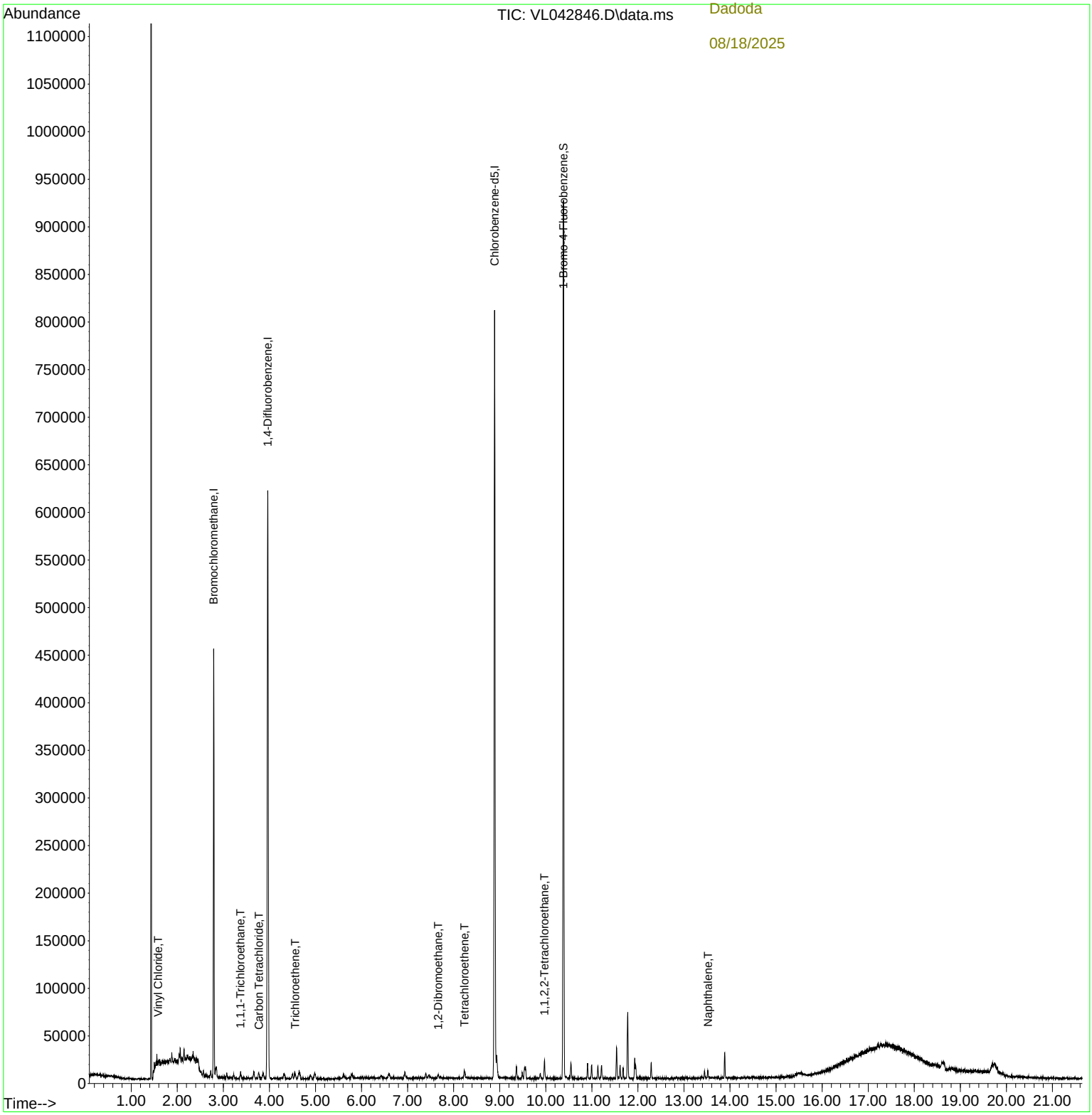
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

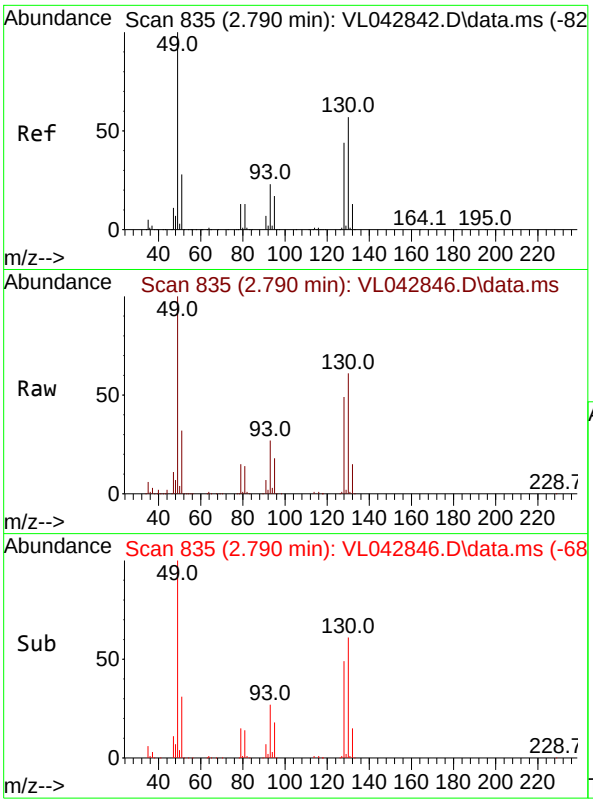
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

08/18/2025

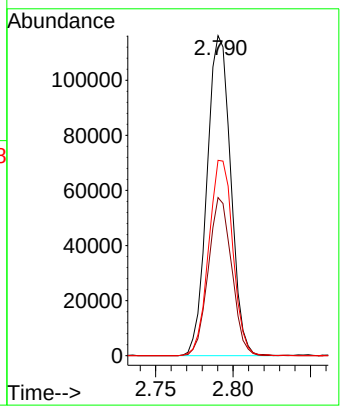




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 49 Resp: 12371

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.7	71.1
130	62.1	30.6	91.6



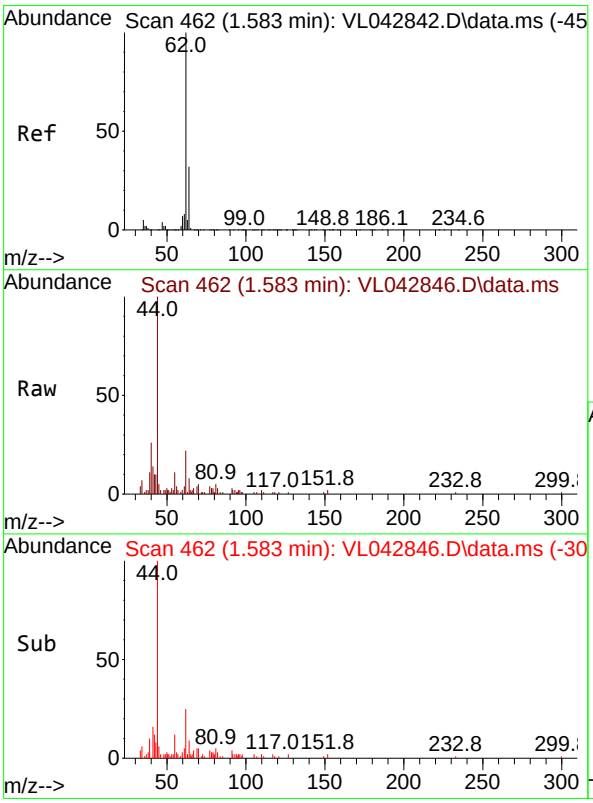
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

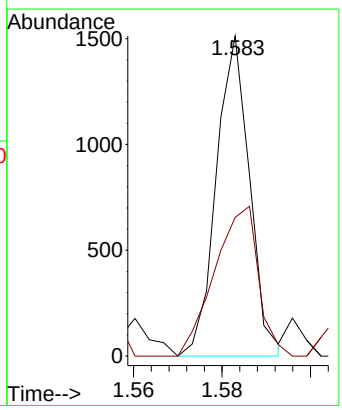
08/18/2025

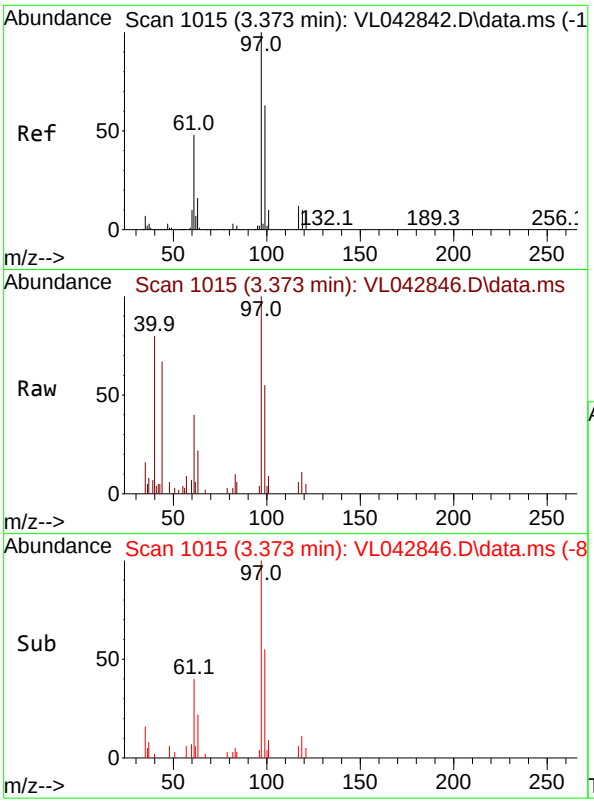


#5
Vinyl Chloride
Concen: 0.110 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 62 Resp: 790

Ion	Ratio	Lower	Upper
62	100		
64	39.7	25.4	38.2#

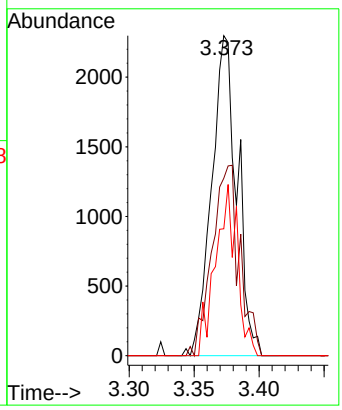




#32
1,1,1-Trichloroethane
Concen: 0.113 ppbv m
RT: 3.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 97 Resp: 312

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	45.6	38.0	57.0



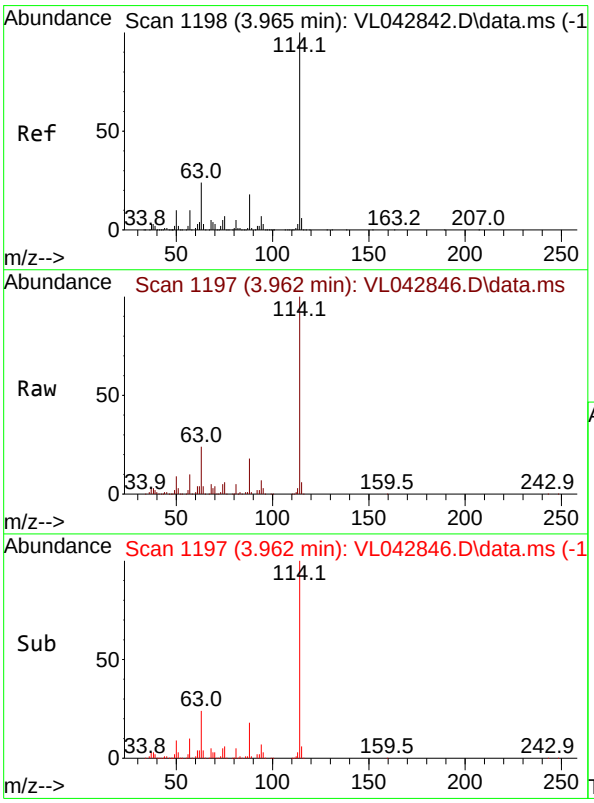
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

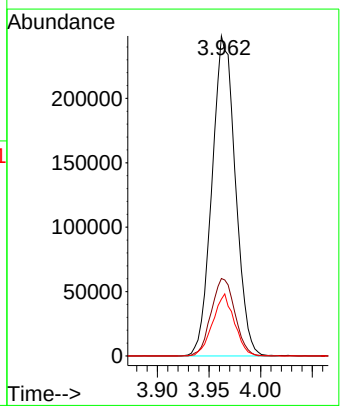
08/18/2025

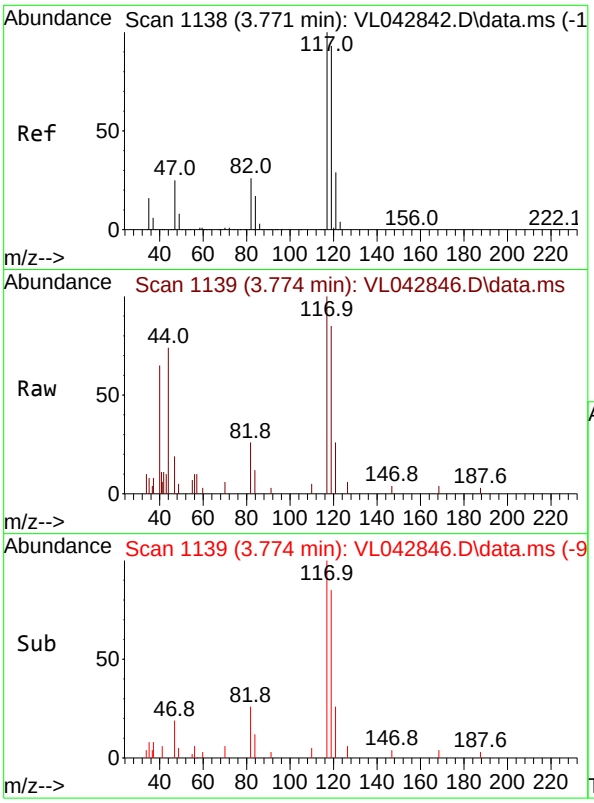


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:114 Resp: 390520

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6

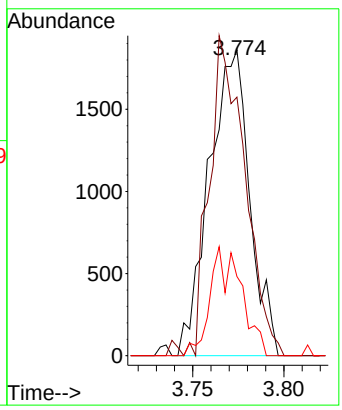




#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.774 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:117 Resp: 288

Ion	Ratio	Lower	Upper
117	100		
119	81.8	74.7	112.1
121	25.9	23.2	34.8



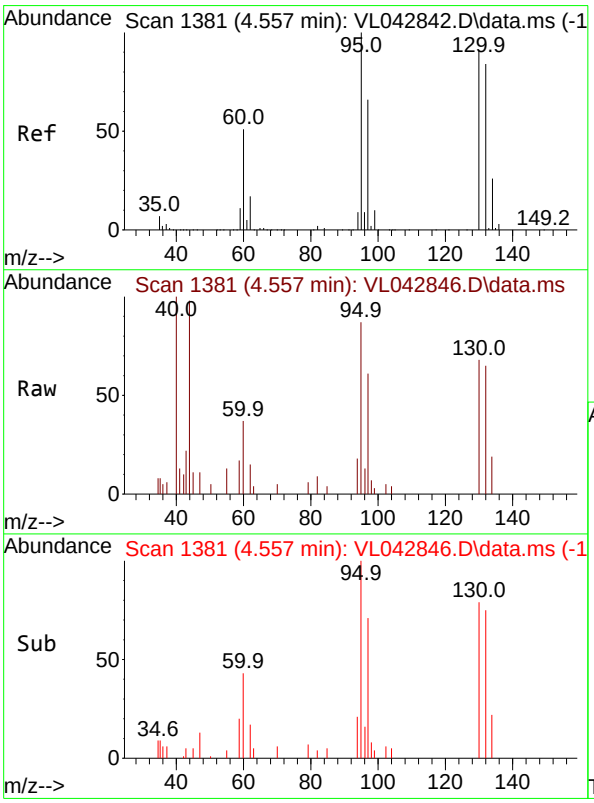
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

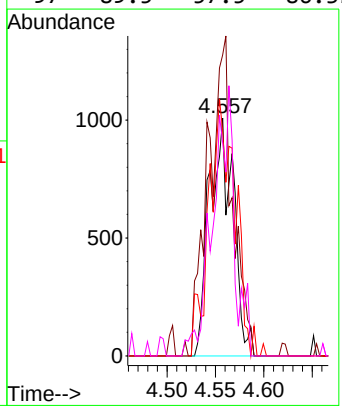
08/18/2025

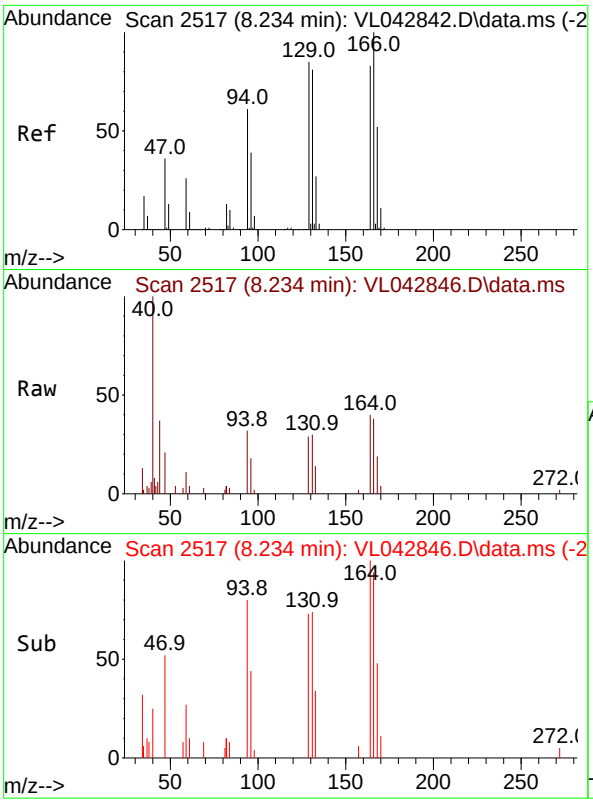


#38
Trichloroethene
Concen: 0.102 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:130 Resp: 1748

Ion	Ratio	Lower	Upper
130	100		
95	126.6	87.6	131.4
132	94.4	73.8	110.8
97	89.5	57.5	86.3#

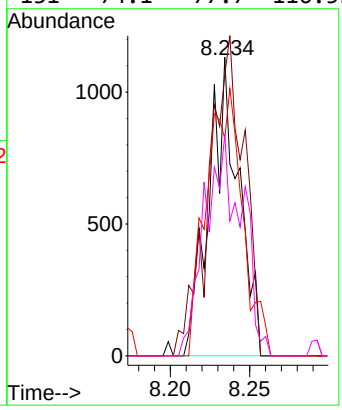




#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 8.234 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:164 Resp: 147

Ion	Ratio	Lower	Upper
164	100		
166	94.0	96.5	144.7#
129	72.7	81.8	122.6#
131	74.1	77.7	116.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

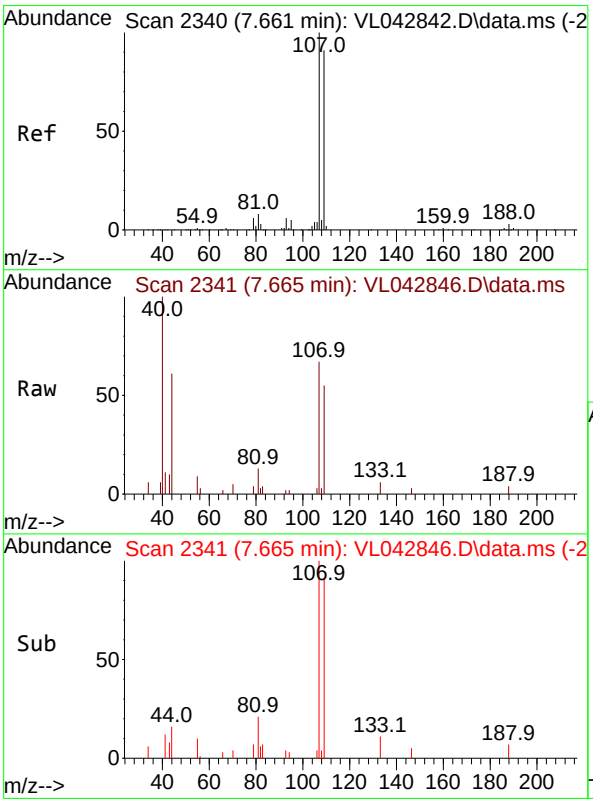
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025

Supervised By :Mahesh Dadoda

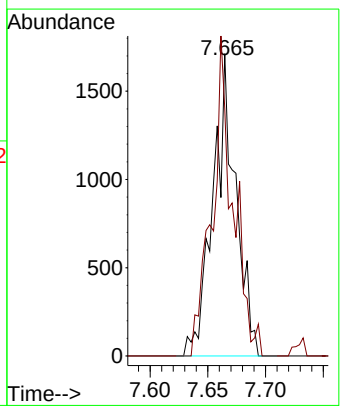
08/18/2025

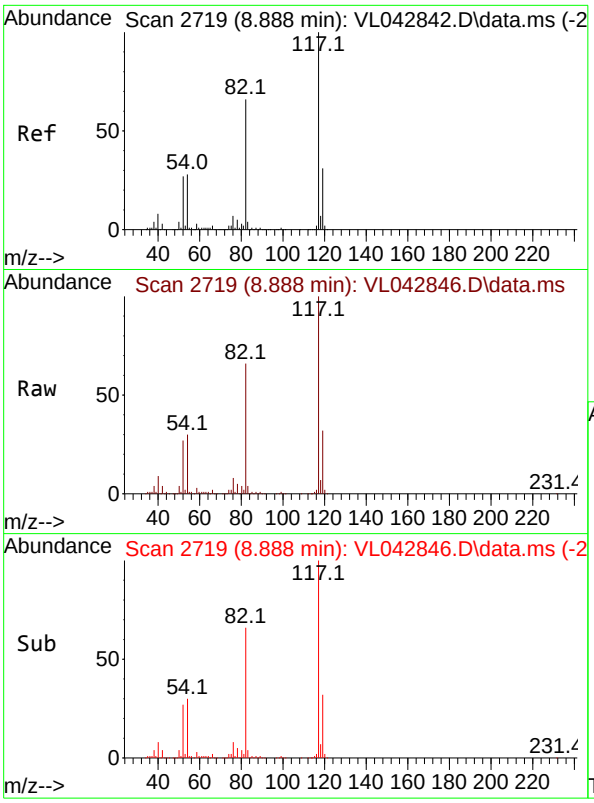


#54
1,2-Dibromoethane
Concen: 0.111 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:107 Resp: 2339

Ion	Ratio	Lower	Upper
107	100		
109	82.0	72.5	108.7

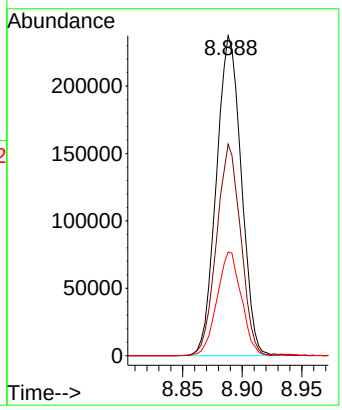




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:117 Resp: 34507

Ion	Ratio	Lower	Upper
117	100		
82	64.3	54.6	81.8
119	32.2	25.9	38.9



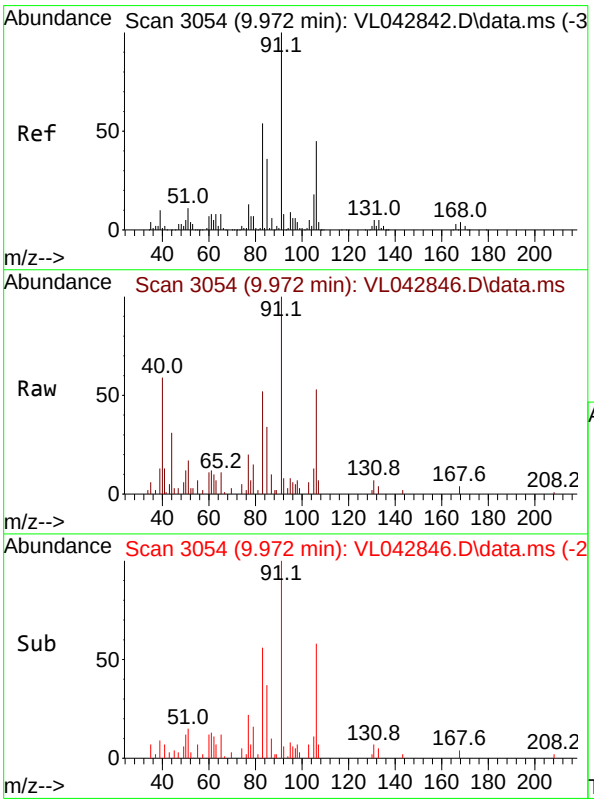
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

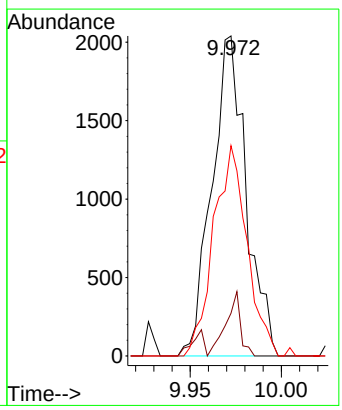
08/18/2025

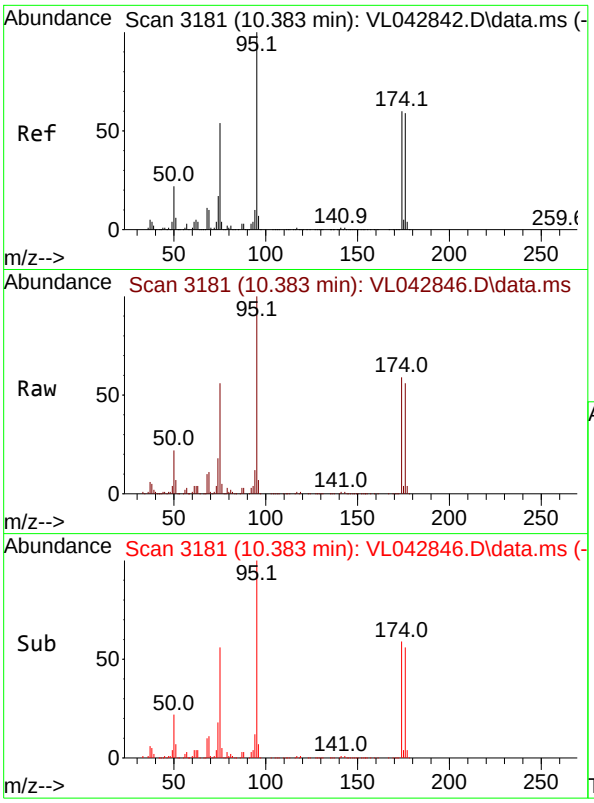


#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 83 Resp: 2672

Ion	Ratio	Lower	Upper
83	100		
131	11.4	4.8	14.3
85	64.3	32.3	96.8

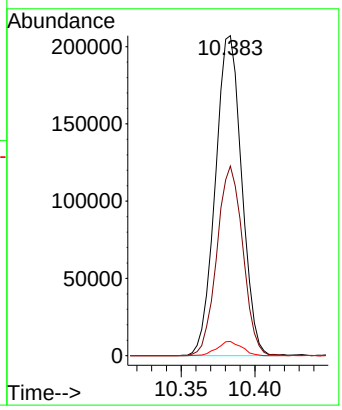




#68
1-Bromo-4-Fluorobenzene
Concen: 9.948 ppbv
RT: 10.383 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 95 Resp: 25743

Ion	Ratio	Lower	Upper
95	100		
174	58.3	48.4	72.6
175	4.2	3.8	5.8



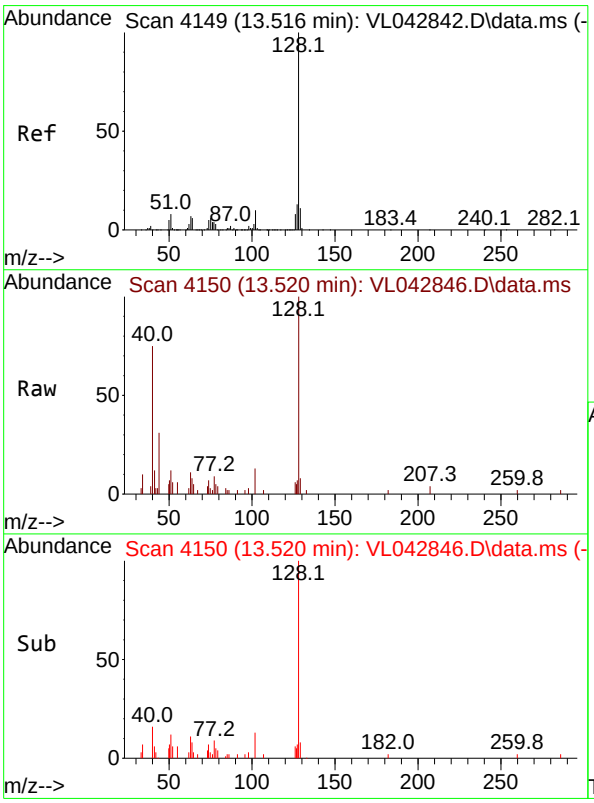
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

08/14/2025
Supervised By :Mahesh Dadoda

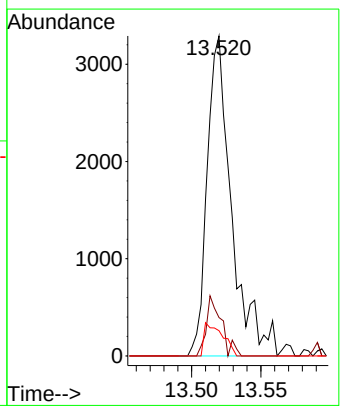
08/18/2025



#79
Naphthalene
Concen: 0.083 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:128 Resp: 4051

Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.6	16.0#
129	7.9	8.9	13.3#



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	122705	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	390076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	339700	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	250082	9.816	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	268	0.037	ppbv	# 81
32) 1,1,1-Trichloroethane	3.379	97	901m	0.033	ppbv	
35) Carbon Tetrachloride	3.774	117	861m	0.032	ppbv	
38) Trichloroethene	4.573	130	487m	0.029	ppbv	
52) Tetrachloroethene	8.241	164	458m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	898m	0.035	ppbv	

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

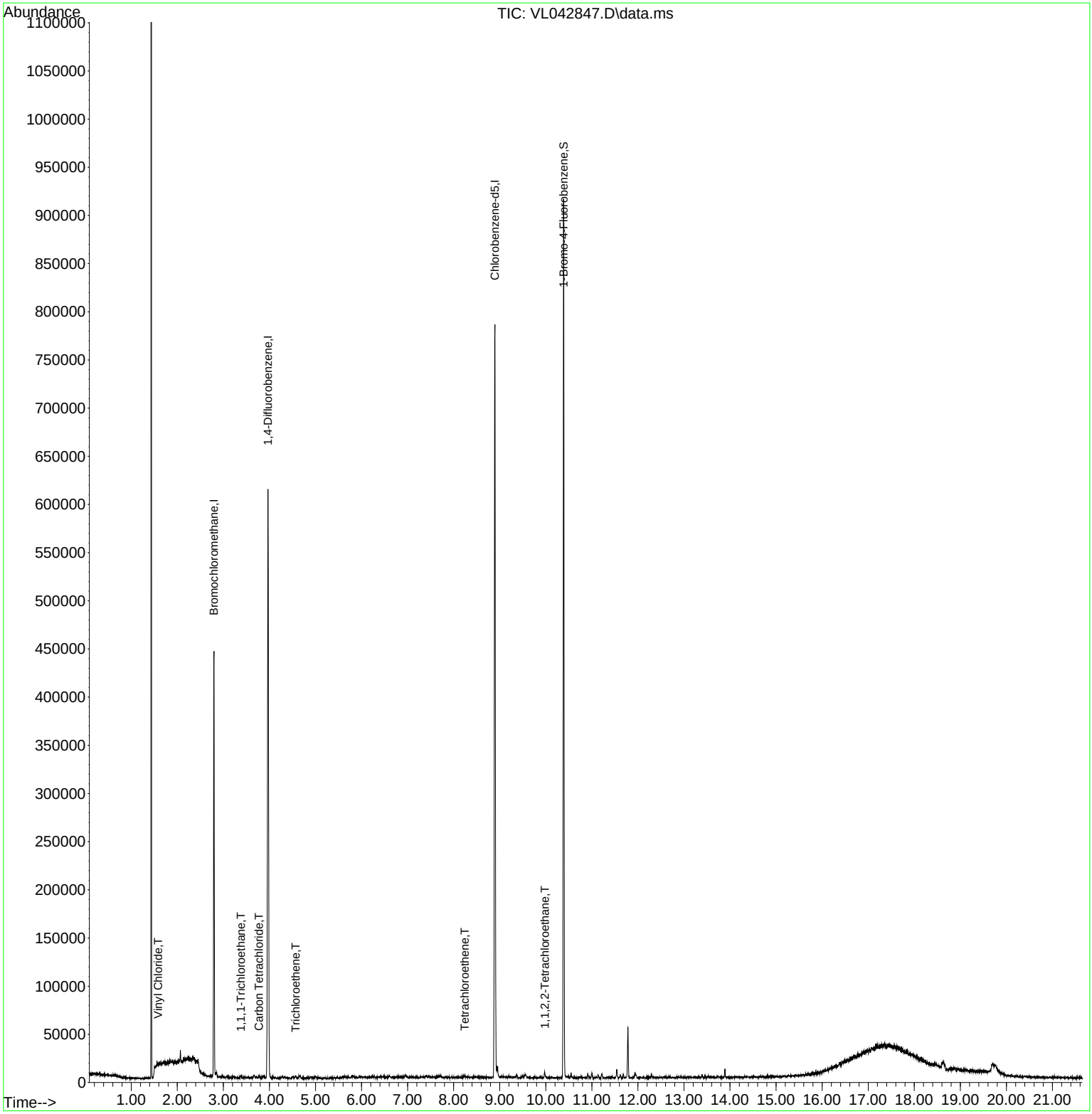
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

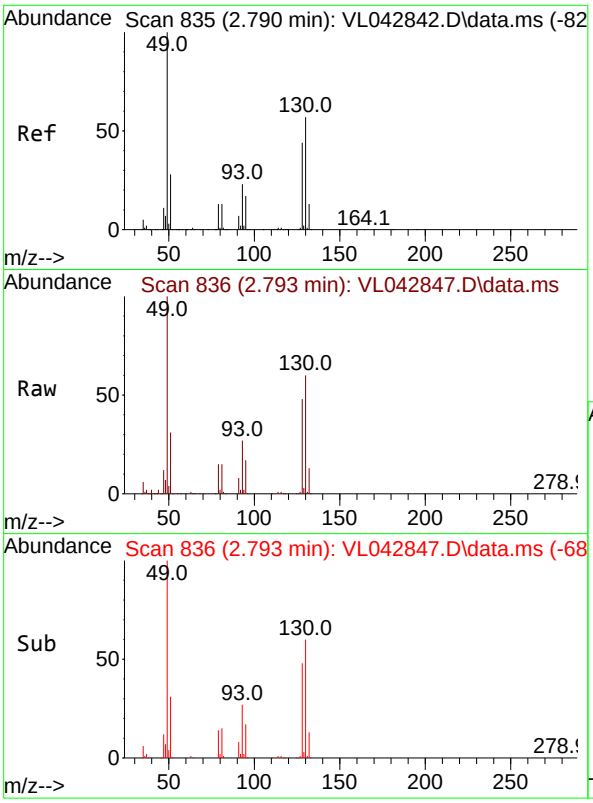
Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

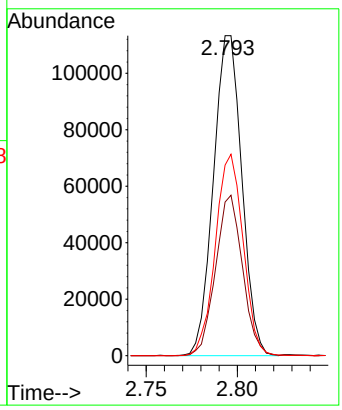




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 49 Resp: 12270

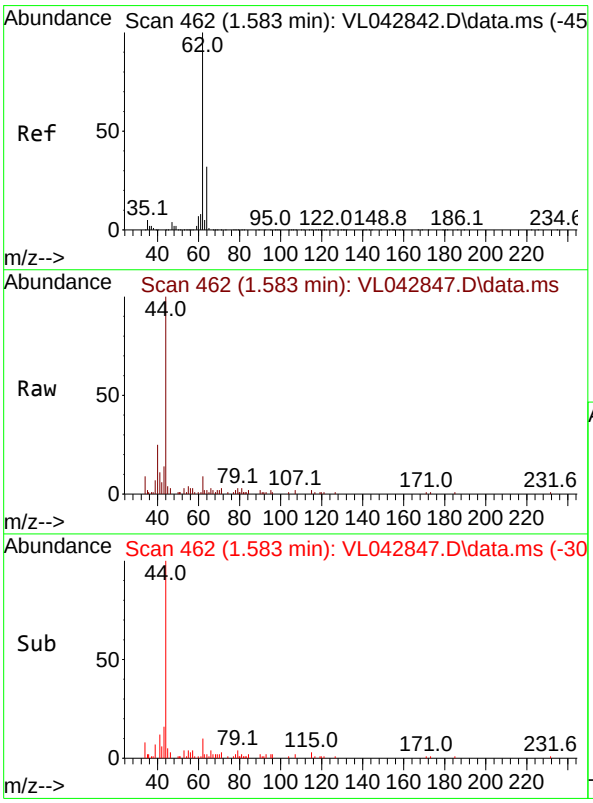
Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.7	71.1
130	61.6	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

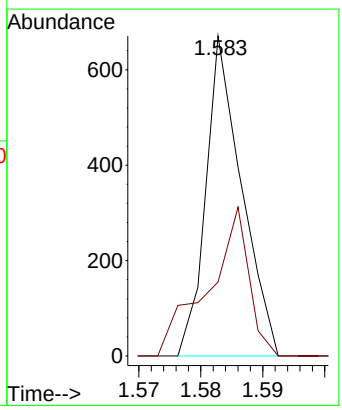
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

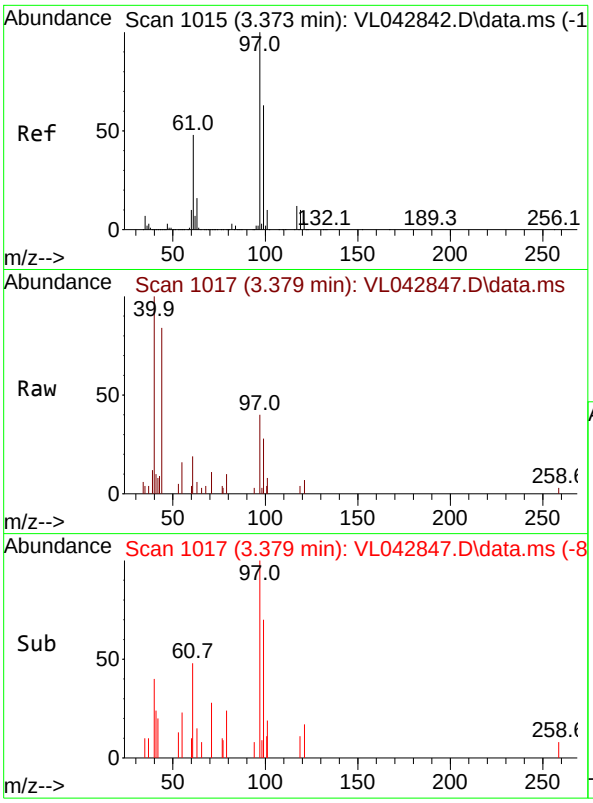


#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 62 Resp: 268

Ion	Ratio	Lower	Upper
62	100		
64	21.2	25.4	38.2#

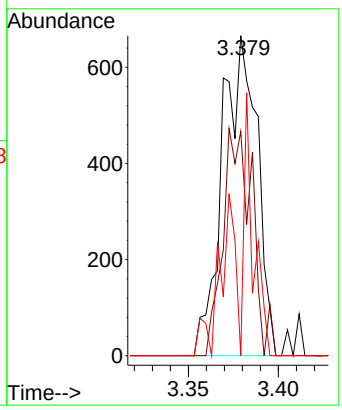




#32
1,1,1-Trichloroethane
Concen: 0.033 ppbv m
RT: 3.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 97 Resp: 90

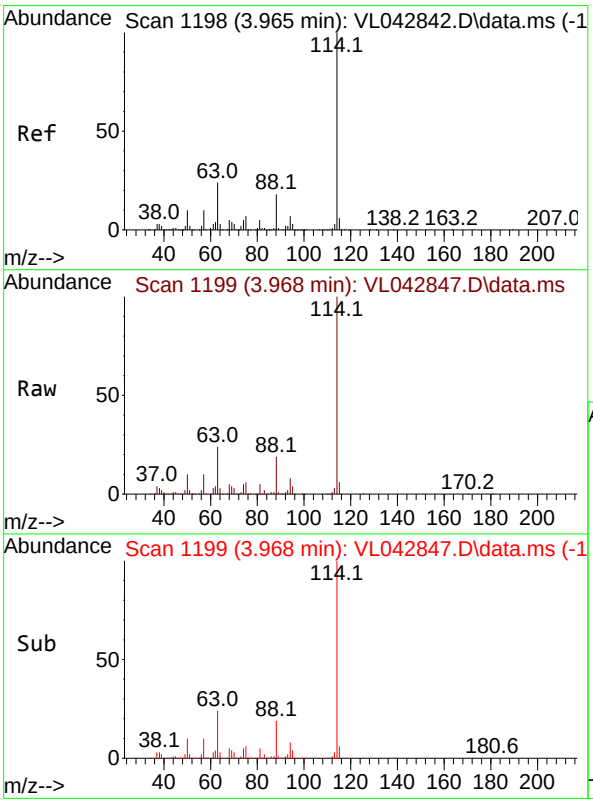
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6
61	45.2	38.0	57.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

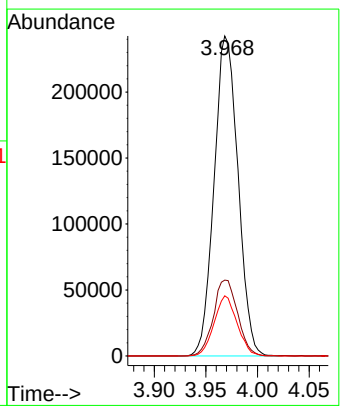
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

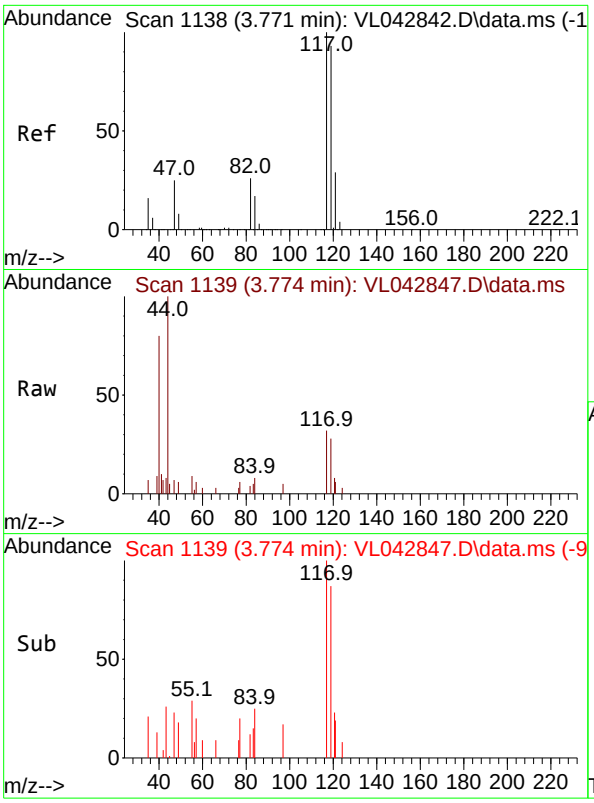


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:114 Resp: 390076

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.7	29.5
88	18.1	14.4	21.6

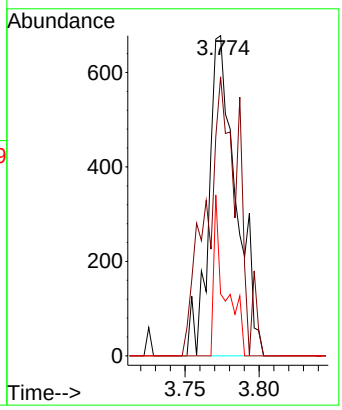




#35
Carbon Tetrachloride
Concen: 0.032 ppbv m
RT: 3.774 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:117 Resp: 86

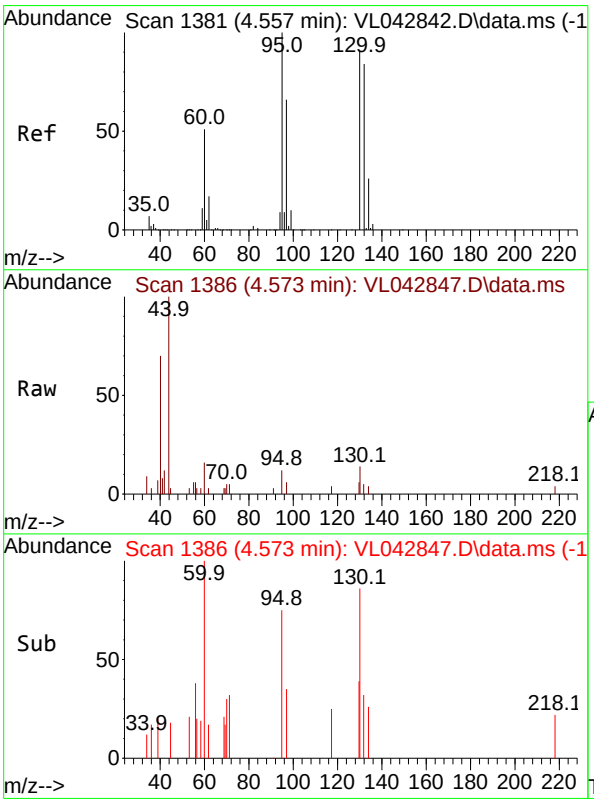
Ion	Ratio	Lower	Upper
117	100		
119	87.2	74.7	112.1
121	19.3	23.2	34.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

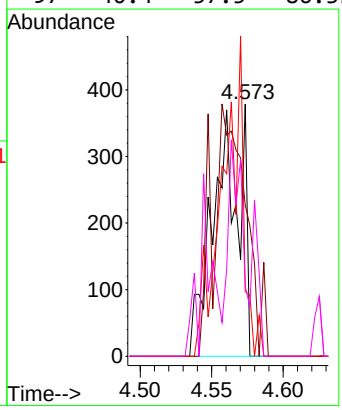
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

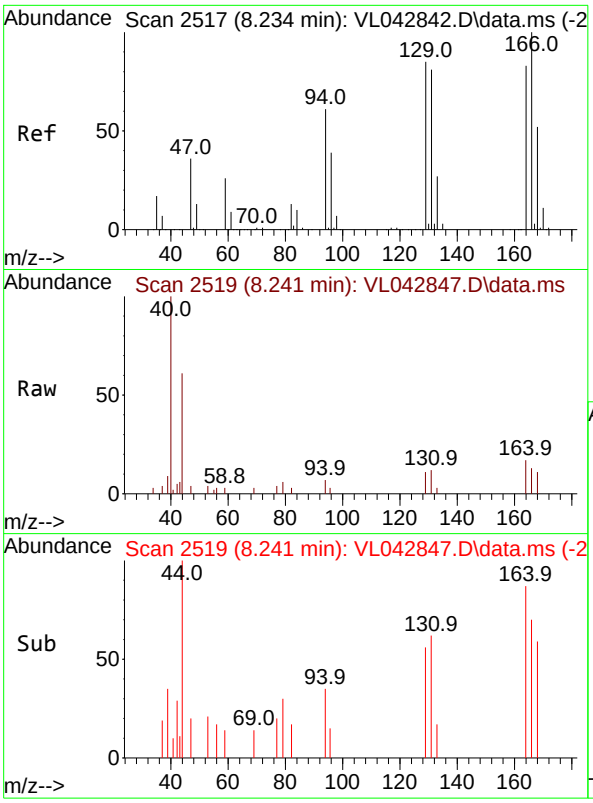


#38
Trichloroethene
Concen: 0.029 ppbv m
RT: 4.573 min Scan# 1386
Delta R.T. 0.016 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:130 Resp: 487

Ion	Ratio	Lower	Upper
130	100		
95	87.3	87.6	131.4#
132	37.3	73.8	110.8#
97	40.4	57.5	86.3#

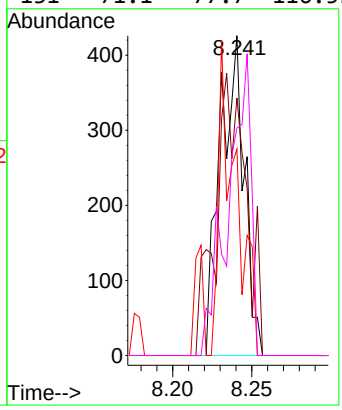




#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 8.241 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:164 Resp: 45

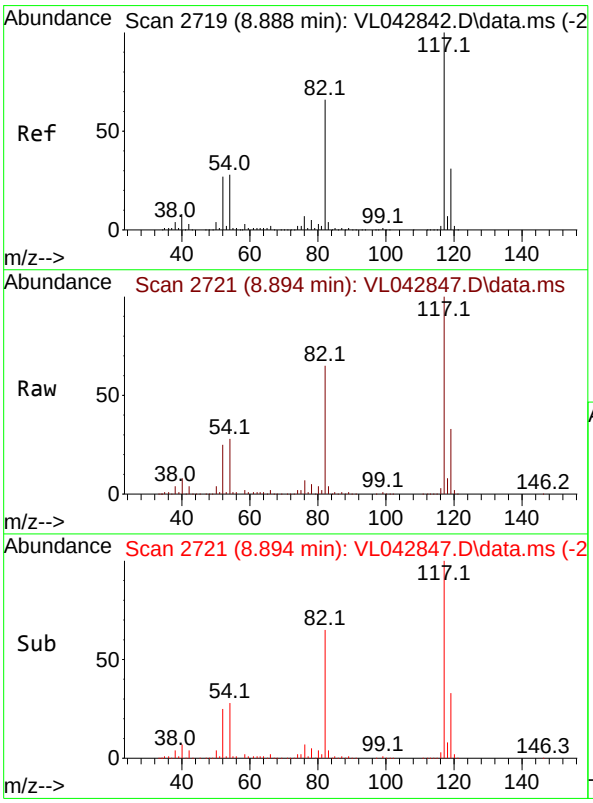
Ion	Ratio	Lower	Upper
164	100		
166	80.5	96.5	144.7#
129	64.6	81.8	122.6#
131	71.1	77.7	116.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

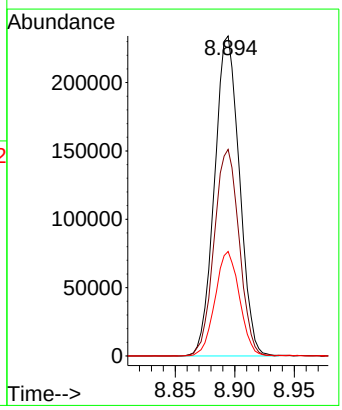
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

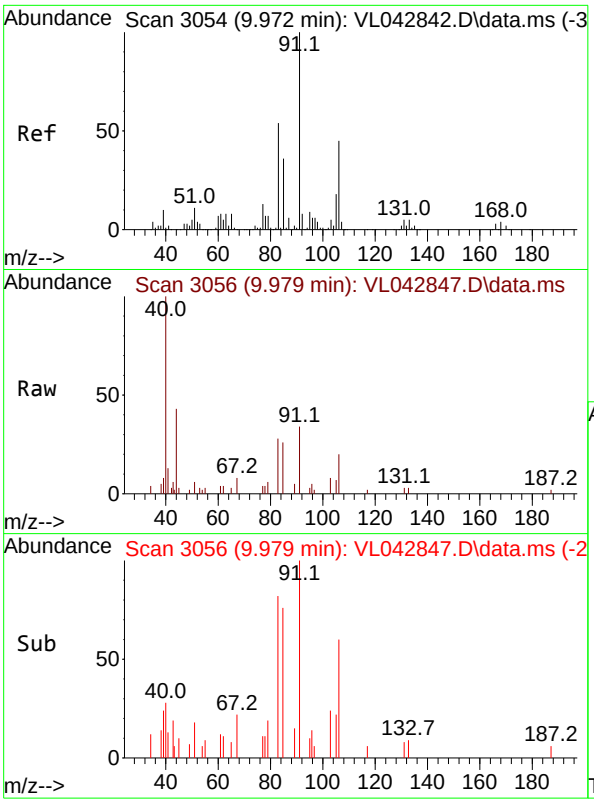


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:117 Resp: 339700

Ion	Ratio	Lower	Upper
117	100		
82	65.1	54.6	81.8
119	32.2	25.9	38.9

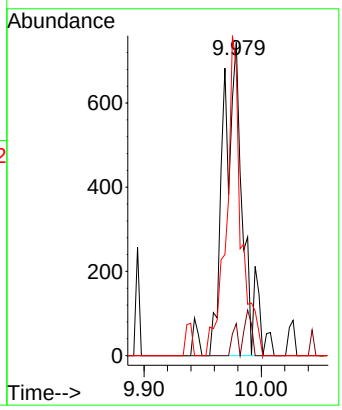




#63
1,1,2,2-Tetrachloroethane
Concen: 0.035 ppbv m
RT: 9.979 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 83 Resp: 89

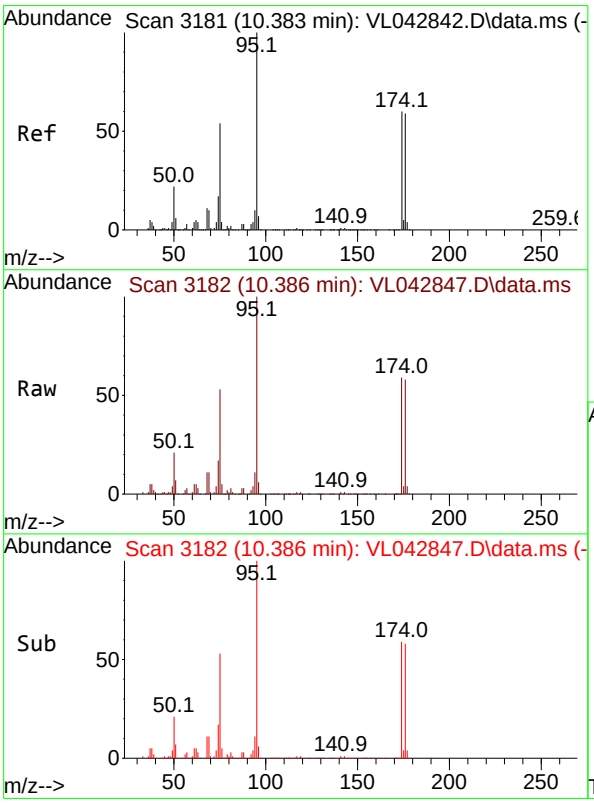
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3
85	77.5	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

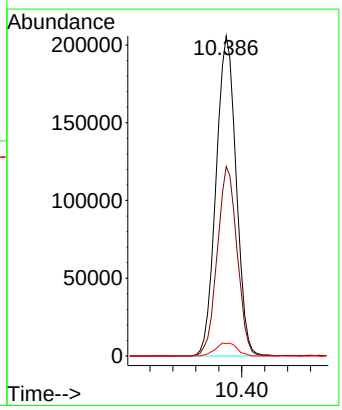
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.816 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 95 Resp: 250082

Ion	Ratio	Lower	Upper
95	100		
174	58.5	48.4	72.6
175	4.4	3.8	5.8



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	122073	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	380877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	337876	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	254655	10.050	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	253151	14.150	ppbv	99
3) Chlorodifluoromethane	1.480	51	275350	13.910	ppbv	99
4) Chloromethane	1.535	50	100974	13.986	ppbv	99
5) Vinyl Chloride	1.583	62	92812	13.053	ppbv	100
6) Bromomethane	1.671	94	37740	13.275	ppbv	96
7) Chloroethane	1.706	64	38398	13.828	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	205386	14.029	ppbv	98
9) Propene	1.486	41	111824	13.094	ppbv	99
10) Heptane	4.988	43	313734	13.742	ppbv	99
11) Trichlorofluoromethane	1.881	101	246354	13.957	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	195231	13.877	ppbv	99
13) Ethanol	1.722	45	8534	10.086	ppbv	98
14) Bromoethene	1.784	108	71671	14.072	ppbv	99
15) Acetone	1.839	43	184116	11.402	ppbv	100
16) 1,3-Butadiene	1.612	39	92068	12.577	ppbv	100
17) tert-Butyl alcohol	2.043	59	244441	12.765	ppbv	100
18) 1,1-Dichloroethene	2.036	96	86349	13.961	ppbv	97
19) Isopropyl Alcohol	1.887	45	124270	12.885	ppbv	99
20) Methylene Chloride	2.065	84	77749	11.494	ppbv	97
21) Allyl Chloride	2.101	41	156318	13.703	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	100064	14.465	ppbv	95
23) Vinyl Acetate	2.467	43	309236	14.557	ppbv	98
24) 1,1-Dichloroethane	2.412	63	199276	13.944	ppbv	98
25) Ethyl Acetate	2.839	43	533600	13.653	ppbv	99
26) Hexane	2.833	57	250189	13.869	ppbv	98
27) Carbon Disulfide	2.153	76	246868	14.062	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	129978	14.131	ppbv	91
29) Chloroform	2.855	83	360661	14.003	ppbv	99
30) Cyclohexane	3.865	84	222820	14.088	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	249376	13.821	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	377739	13.851	ppbv	100
34) 2-Butanone	2.561	43	348815	13.563	ppbv	99
35) Carbon Tetrachloride	3.771	117	367354	13.990	ppbv	97
36) Benzene	3.664	78	511811	14.033	ppbv	99
37) 1,2-Dichloroethane	3.224	62	278934	14.639	ppbv	99
38) Trichloroethene	4.558	130	227091	13.634	ppbv	96
39) 1,2-Dichloropropane	4.325	63	186277	13.984	ppbv	95
40) 1,4-Dioxane	4.593	88	82385	13.212	ppbv #	91
41) Tetrahydrofuran	3.056	42	200751	14.001	ppbv	99
42) Bromodichloromethane	4.499	83	408089	14.372	ppbv	97
43) Methyl Methacrylate	4.888	69	206590	13.808	ppbv	99
44) 2,2,4-Trimethylpentane	4.652	57	850847	13.895	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	244117	14.387	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	302339	14.191	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	199067	14.118	ppbv	98
48) Dibromochloromethane	7.399	129	331947	14.535	ppbv	99
49) Bromoform	9.494	173	266732	14.162	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	490917	14.073	ppbv	100
51) 2-Hexanone	7.448	43	389940	14.255	ppbv	100
52) Tetrachloroethene	8.238	164	168712	12.772	ppbv	98
53) Toluene	6.943	91	605941	13.961	ppbv	100
54) 1,2-Dibromoethane	7.665	107	292327	14.173	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.934	131	241293	13.810	ppbv	99
57) Chlorobenzene	8.934	112	439109	13.668	ppbv	99
58) Ethyl Benzene	9.364	91	826316	13.859	ppbv	99
59) m/p-Xylene	9.561	91	1294381m	27.650	ppbv	
60) o-Xylene	9.973	91	629445	13.389	ppbv	100
61) Styrene	9.882	104	304560	13.827	ppbv	99
62) Isopropylbenzene	10.549	105	931574	13.559	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.973	83	342890	13.356	ppbv	98
64) n-propylbenzene	10.999	120	239209	13.646	ppbv	98
65) tert-Butylbenzene	11.539	119	785250	12.965	ppbv	98
66) Benzyl Chloride	11.623	91	104698	13.617	ppbv	99
67) sec-Butylbenzene	11.775	105	1115979	13.127	ppbv	100
69) p-Isopropyltoluene	11.931	119	940888	12.891	ppbv	98
70) n-Butylbenzene	12.287	91	970700	13.410	ppbv	100
71) 2-Chlorotoluene	10.911	91	713696	13.378	ppbv	99
72) 4-Ethyltoluene	11.134	105	782057	13.722	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	650280	13.418	ppbv	99
74) 1,2,4-Trimethylbenzene	11.546	105	691709	13.003	ppbv	95
75) 1,3-Dichlorobenzene	11.617	146	402850	13.321	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	407214	13.314	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	385866	13.031	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	281581	11.602	ppbv	99
79) Naphthalene	13.517	128	658732	13.837	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	251753	14.042	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	329641	13.599	ppbv	100

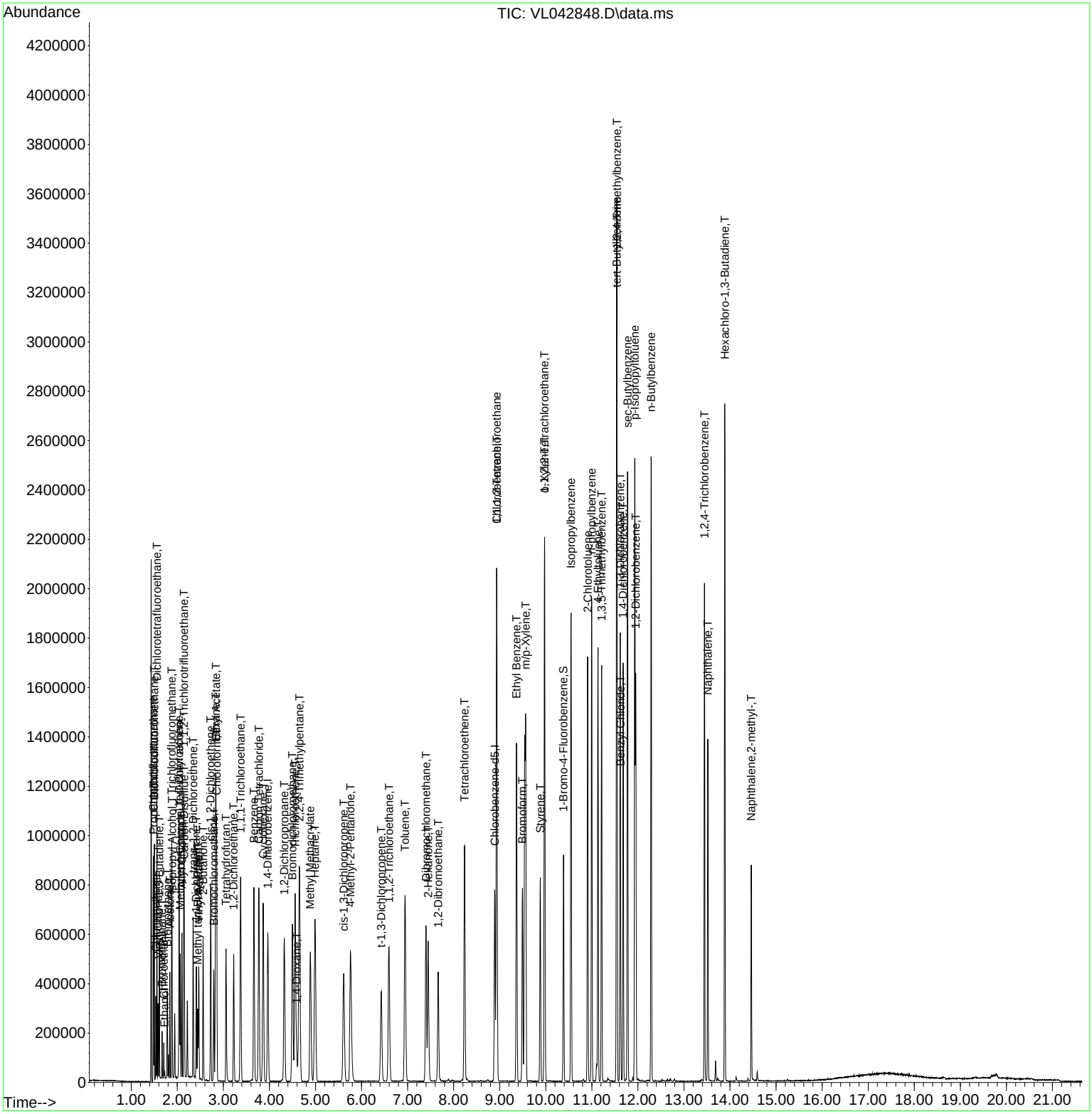
(#) = qualifier out of range (m) = manual integration (+) = signals summed

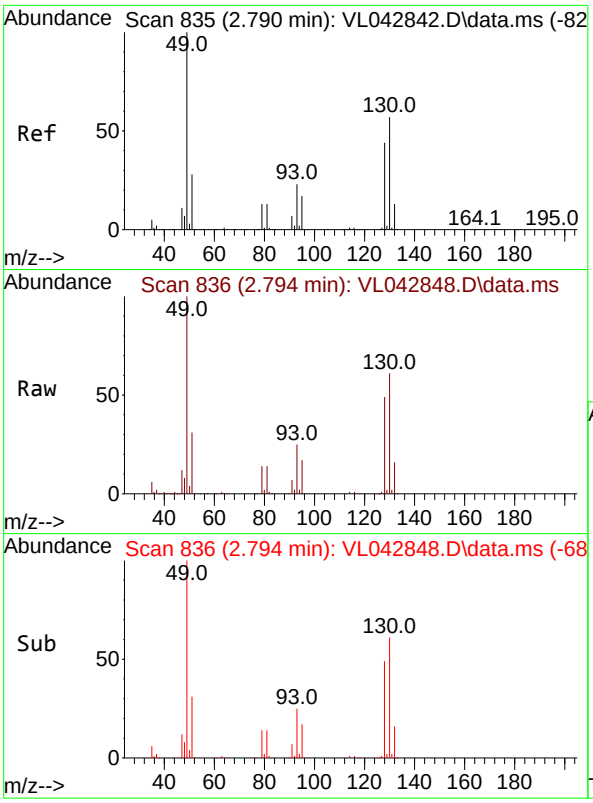
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

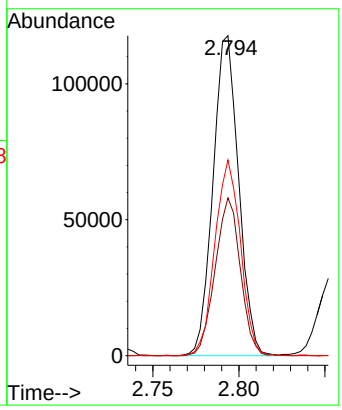




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 49 Resp: 12207

Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.7	71.1
130	61.2	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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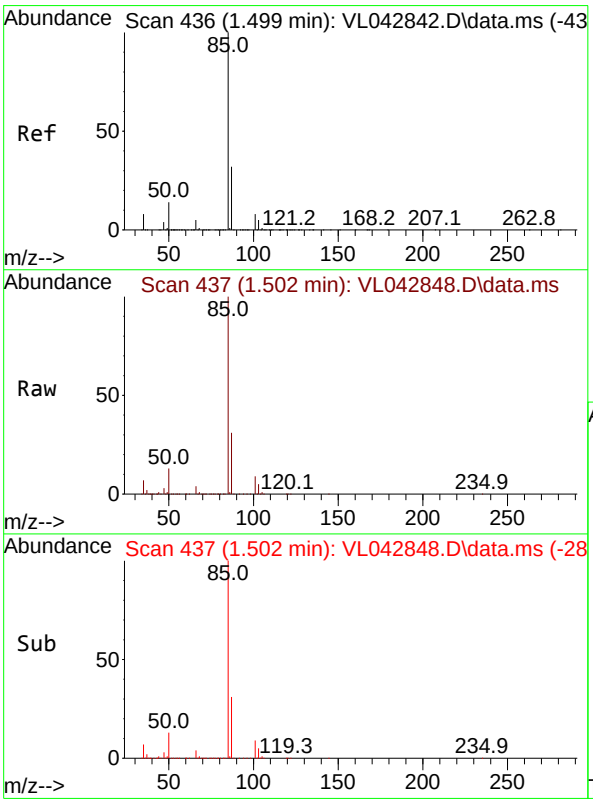
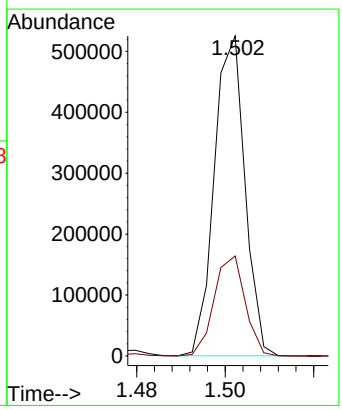
Supervised By :Mahesh Dadoda 08/18/2025

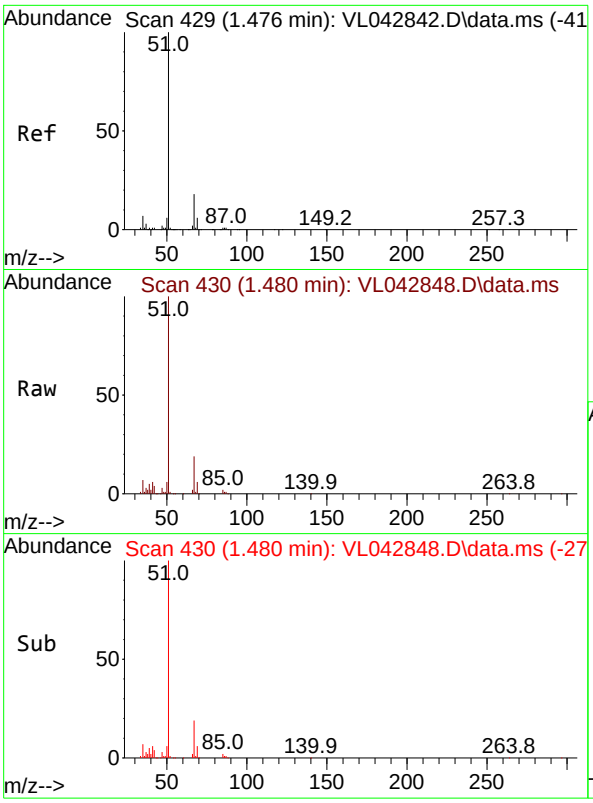


#2
Dichlorodifluoromethane
Concen: 14.150 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 253151

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.3	37.9

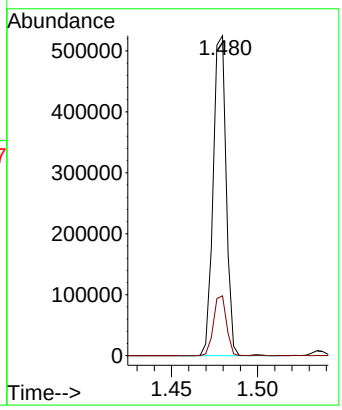




#3
Chlorodifluoromethane
Concen: 13.910 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 51 Resp: 27535

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.9	22.3



Instrument :
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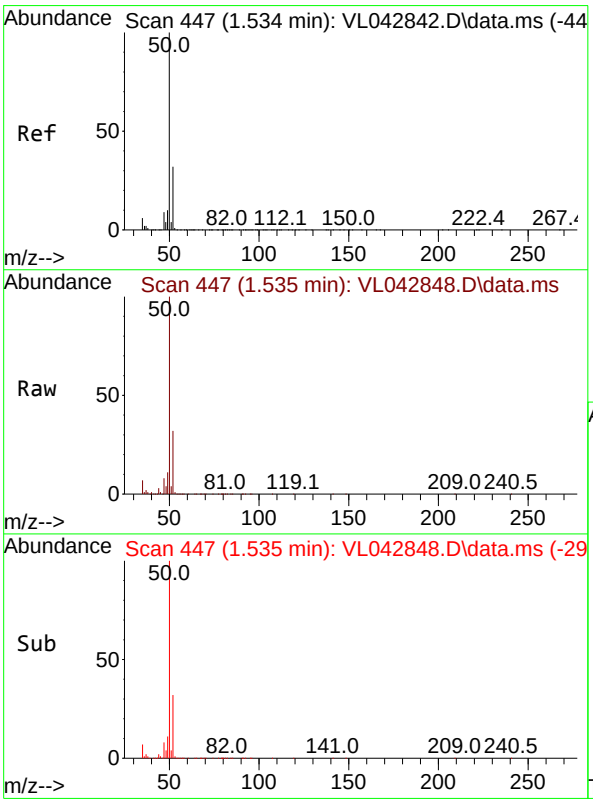
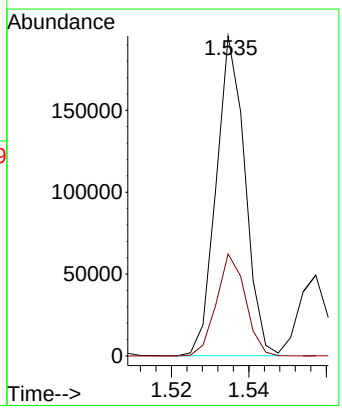
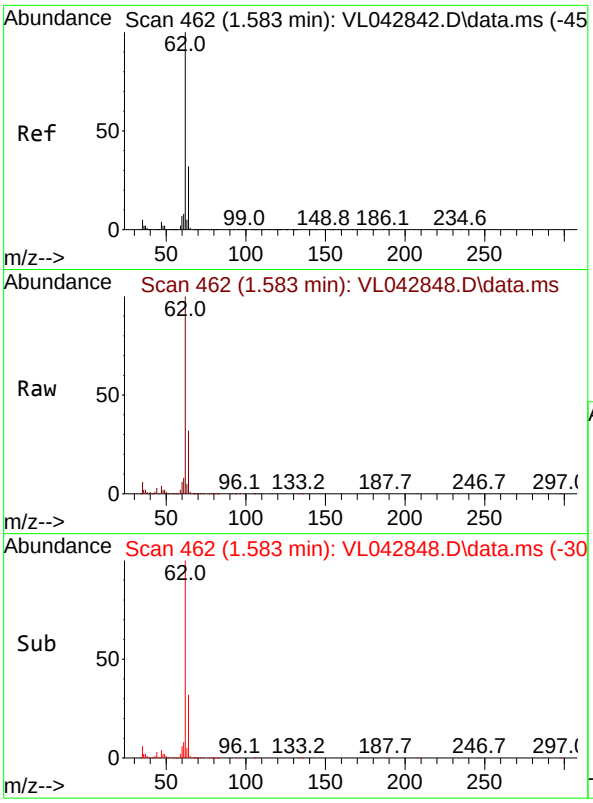


#4
Chloromethane
Concen: 13.986 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 50 Resp: 100974

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.9	38.9

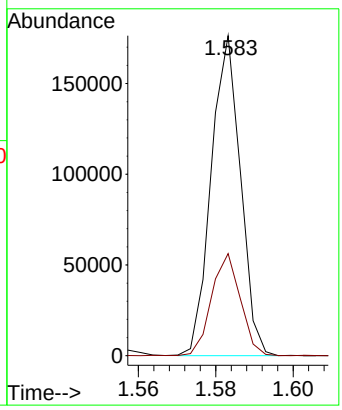




#5
Vinyl Chloride
Concen: 13.053 ppbv
RT: 1.583 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 62 Resp: 9281

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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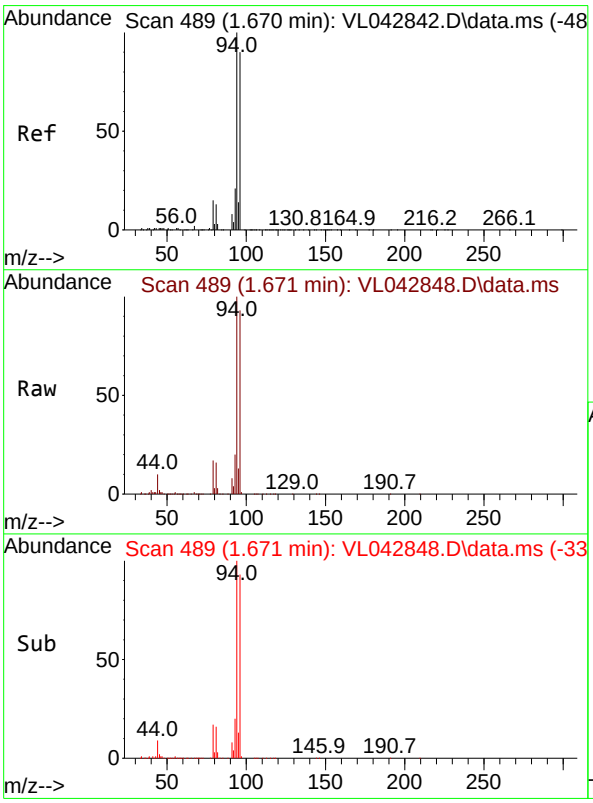
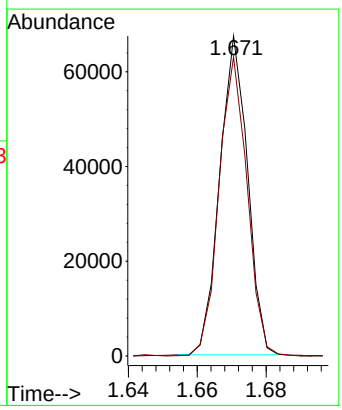
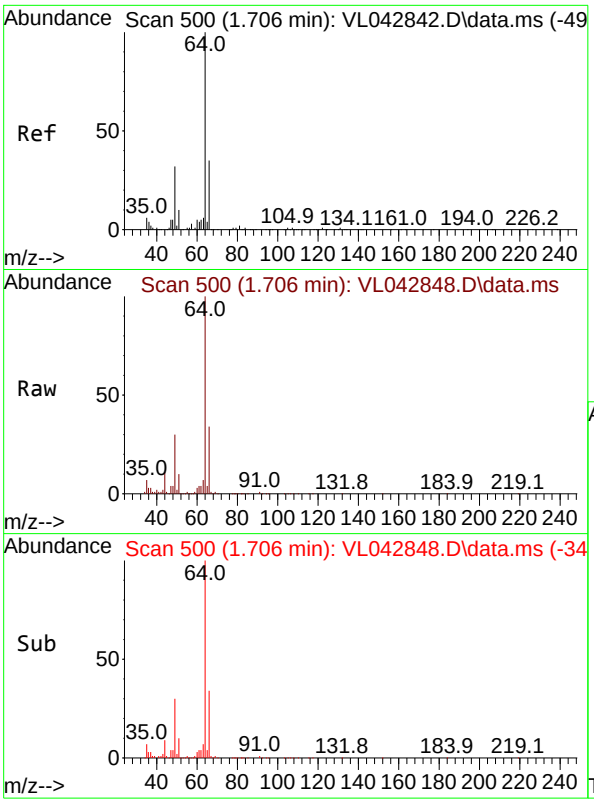


#6
Bromomethane
Concen: 13.275 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 94 Resp: 37740

Ion	Ratio	Lower	Upper
94	100		
96	93.7	72.1	108.1

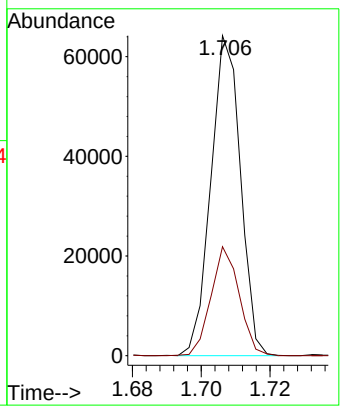




#7
Chloroethane
Concen: 13.828 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 64 Resp: 3839

Ion	Ratio	Lower	Upper
64	100		
66	34.1	28.6	42.8



Instrument :
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ClientSampleId :
VSTDICC015

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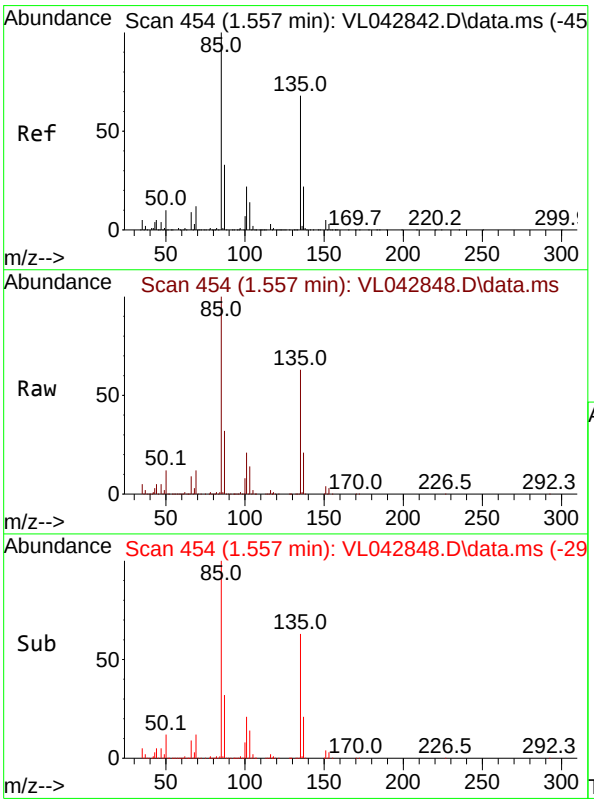
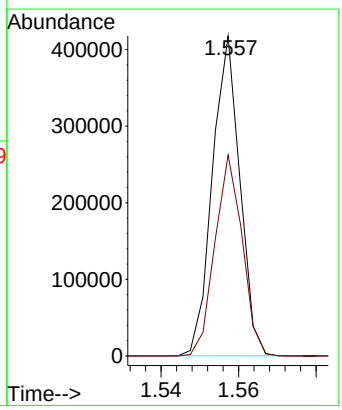
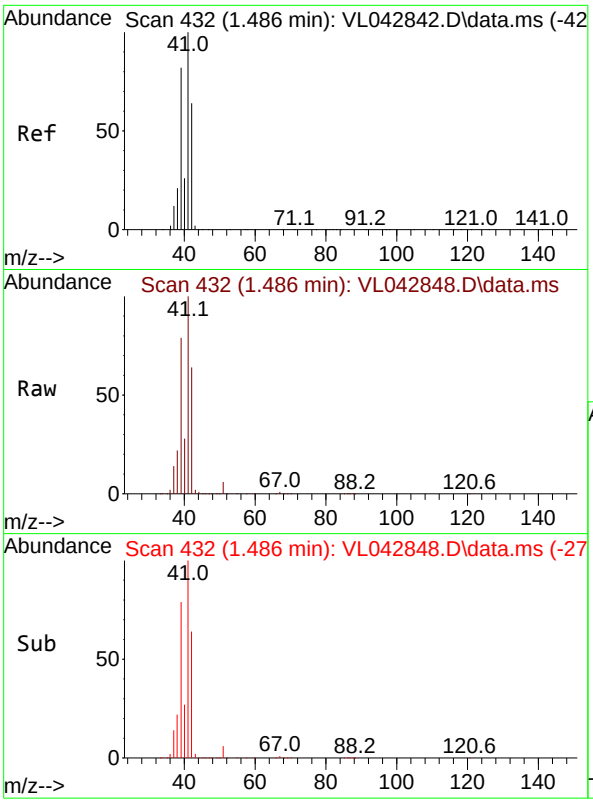


#8
Dichlorotetrafluoroethane
Concen: 14.029 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 205386

Ion	Ratio	Lower	Upper
85	100		
135	62.7	51.2	76.8

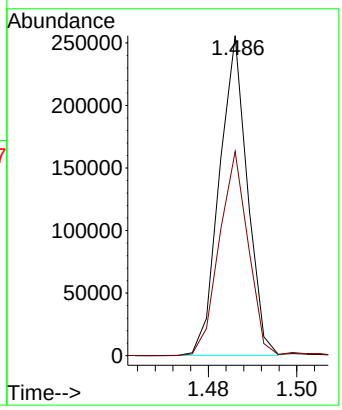




#9
Propene
Concen: 13.094 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 41 Resp: 11182

Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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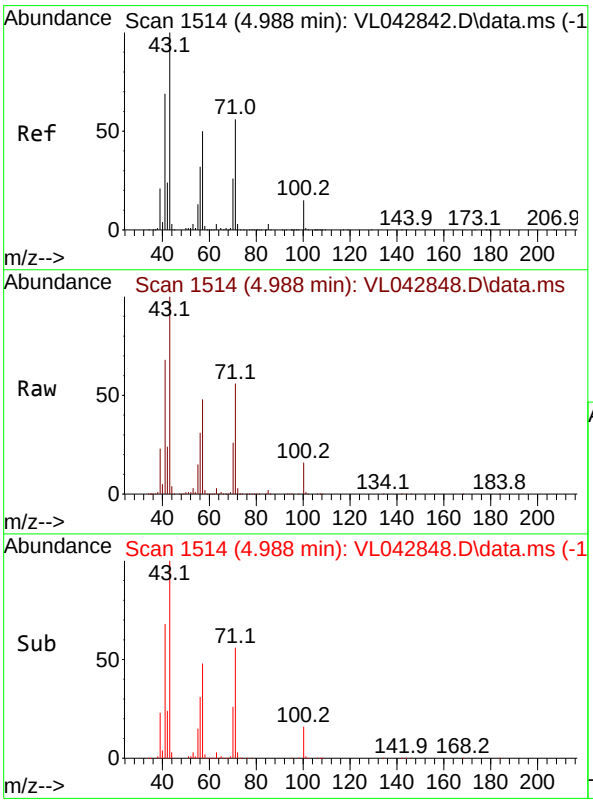
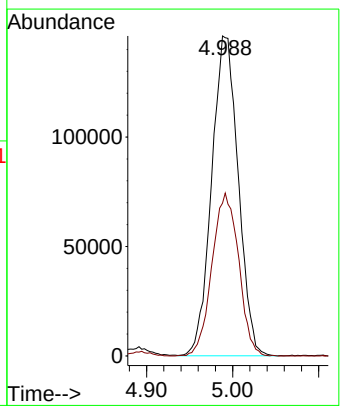
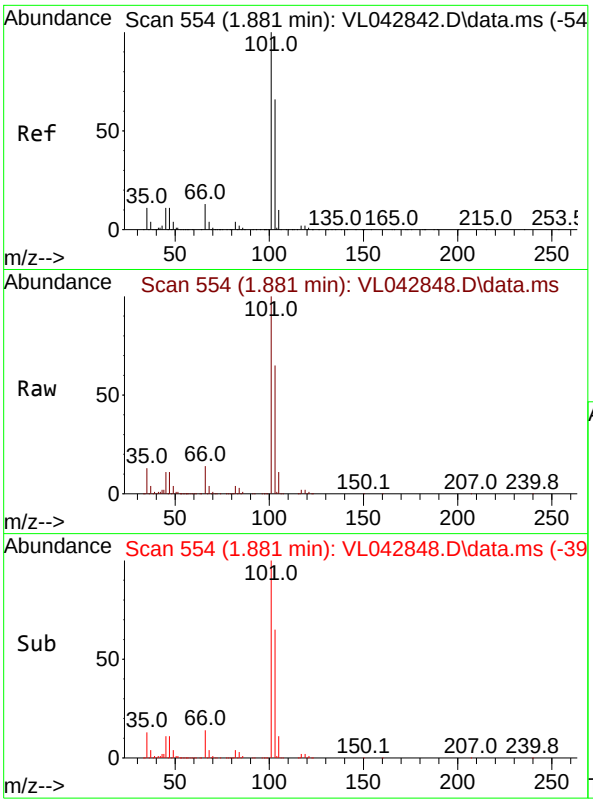


#10
Heptane
Concen: 13.742 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 313734

Ion	Ratio	Lower	Upper
43	100		
57	51.0	41.4	62.0

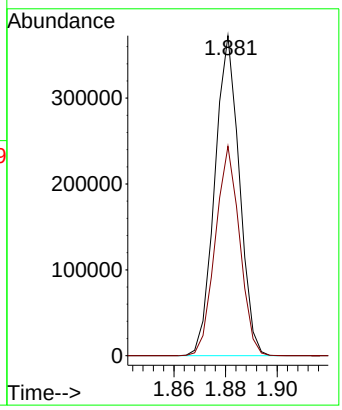




#11
Trichlorofluoromethane
Concen: 13.957 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:101 Resp: 24635

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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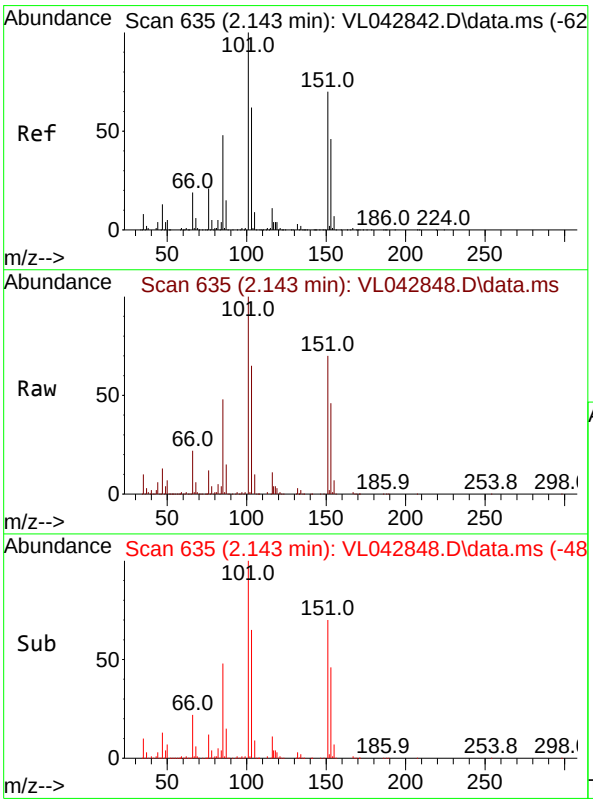
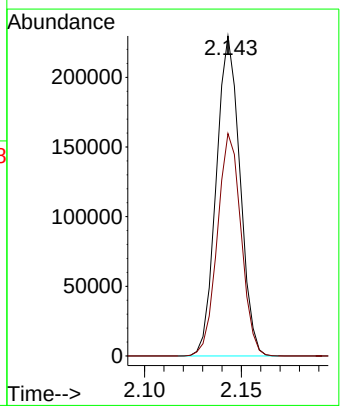
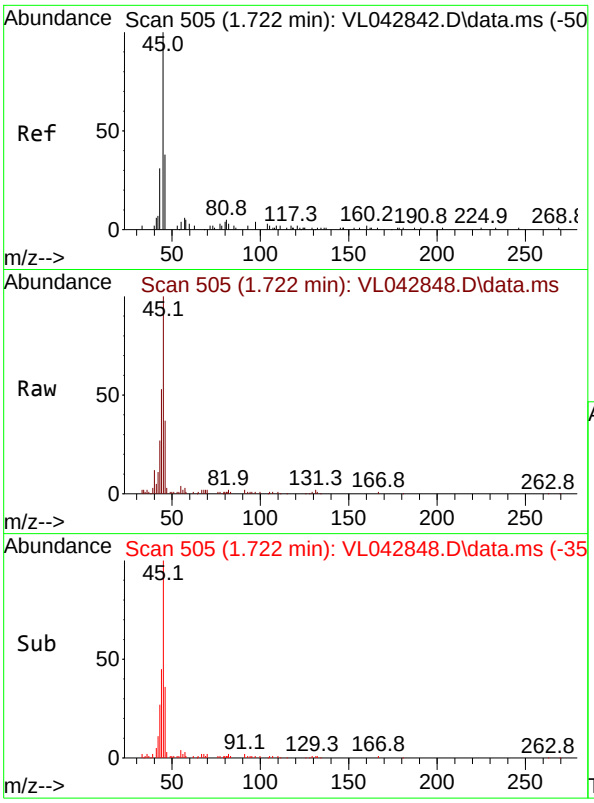


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.877 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:101 Resp: 195231

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6

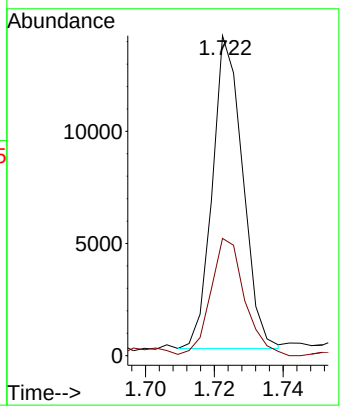




#13
Ethanol
Concen: 10.086 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 45 Resp: 853

Ion	Ratio	Lower	Upper
45	100		
46	42.3	17.5	69.9



Instrument :
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ClientSampleId :
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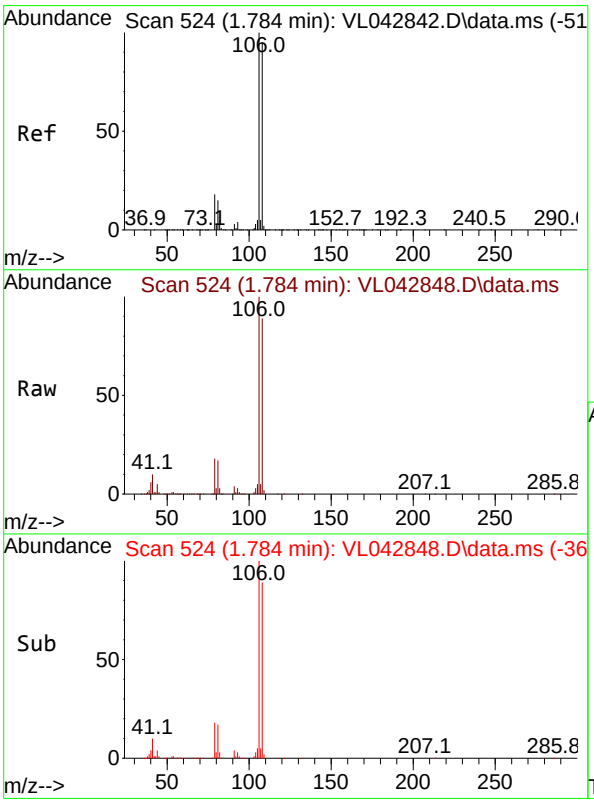
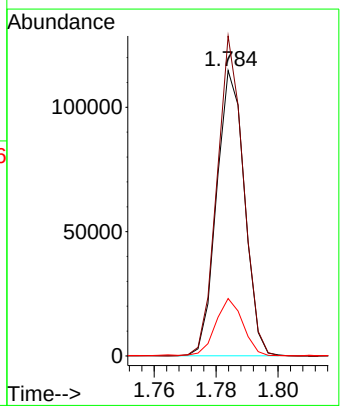
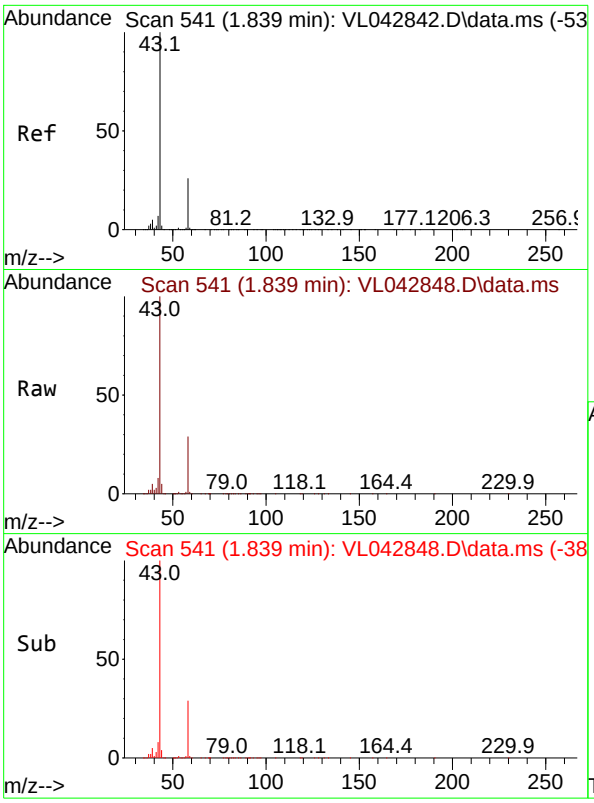


#14
Bromoethene
Concen: 14.072 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:108 Resp: 71671

Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.1	127.7
79	19.4	16.3	24.5

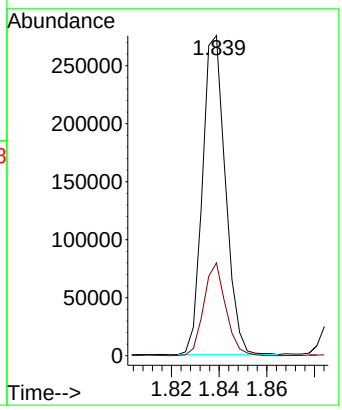




#15
Acetone
Concen: 11.402 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 18411

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6



Instrument :
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ClientSampleId :
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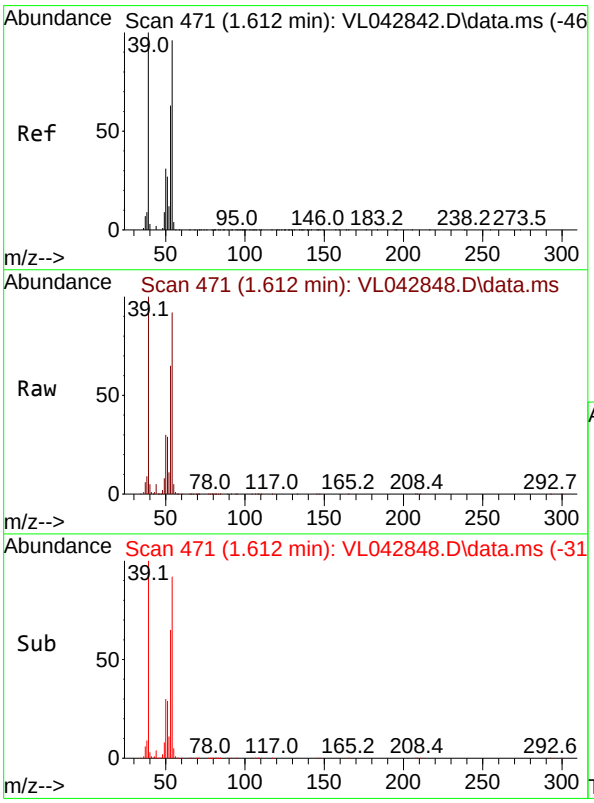
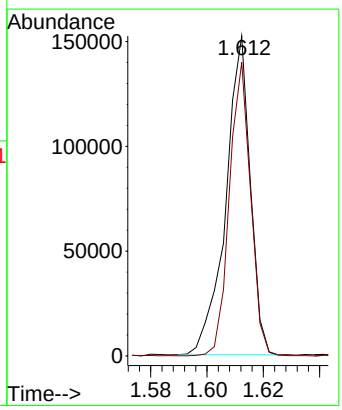
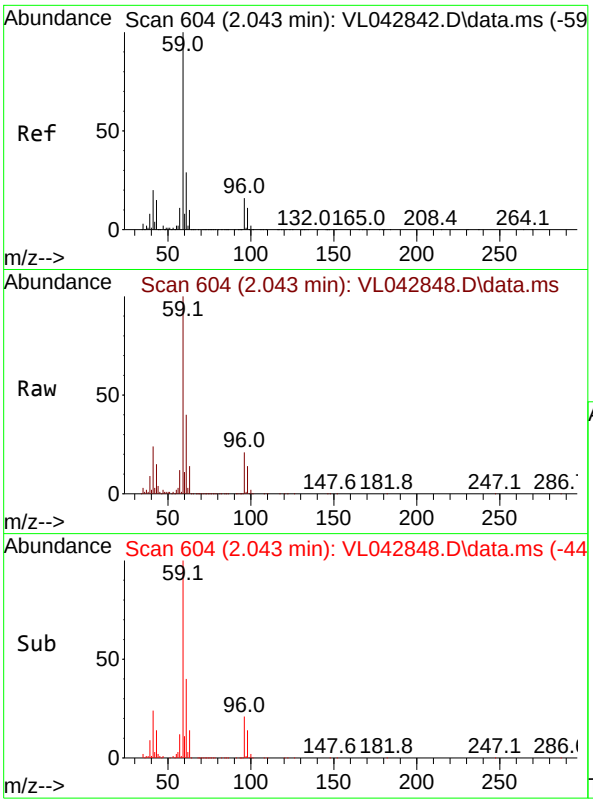


#16
1,3-Butadiene
Concen: 12.577 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 39 Resp: 92068

Ion	Ratio	Lower	Upper
39	100		
54	79.7	63.6	95.4

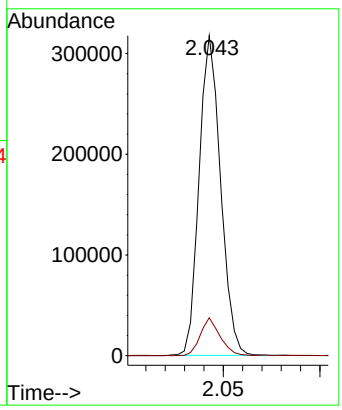




#17
tert-Butyl alcohol
Concen: 12.765 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 59 Resp: 24444

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
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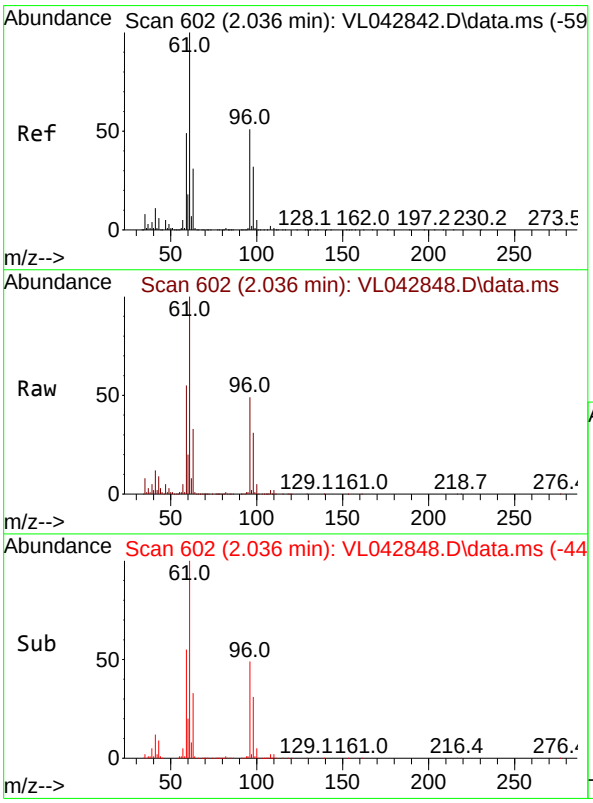
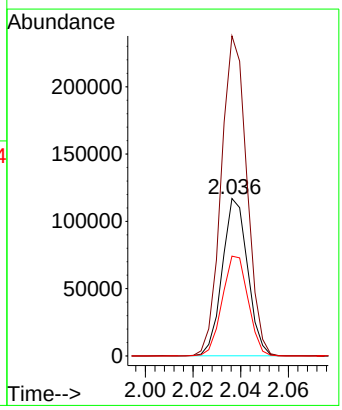
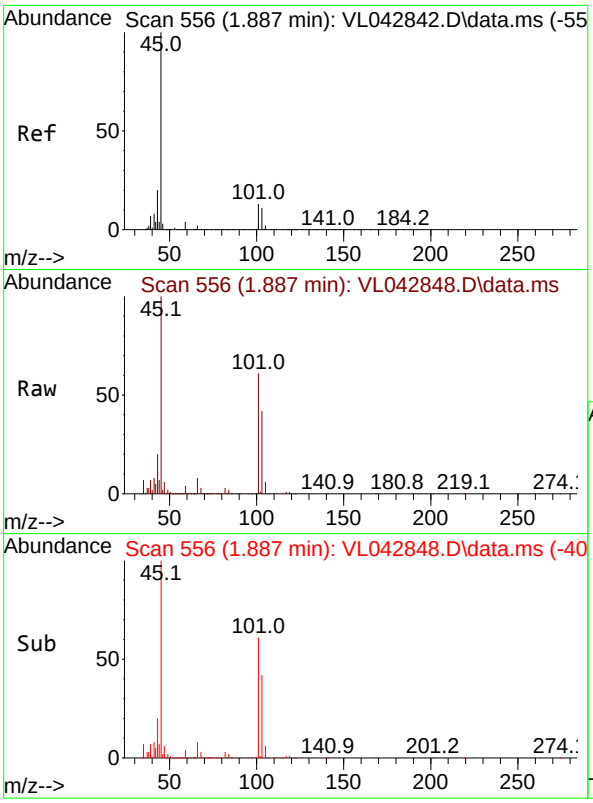


#18
1,1-Dichloroethene
Concen: 13.961 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 96 Resp: 86349

Ion	Ratio	Lower	Upper
96	100		
61	203.3	158.2	237.4
98	63.3	50.6	76.0

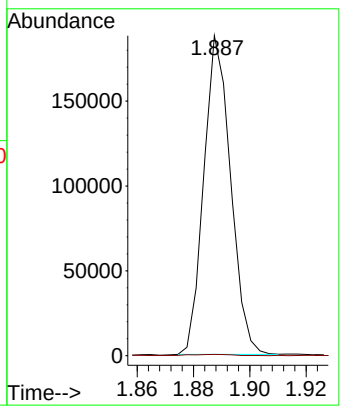




#19
Isopropyl Alcohol
Concen: 12.885 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 45 Resp: 12427

Ion	Ratio	Lower	Upper
45	100		
58	41.3	32.7	49.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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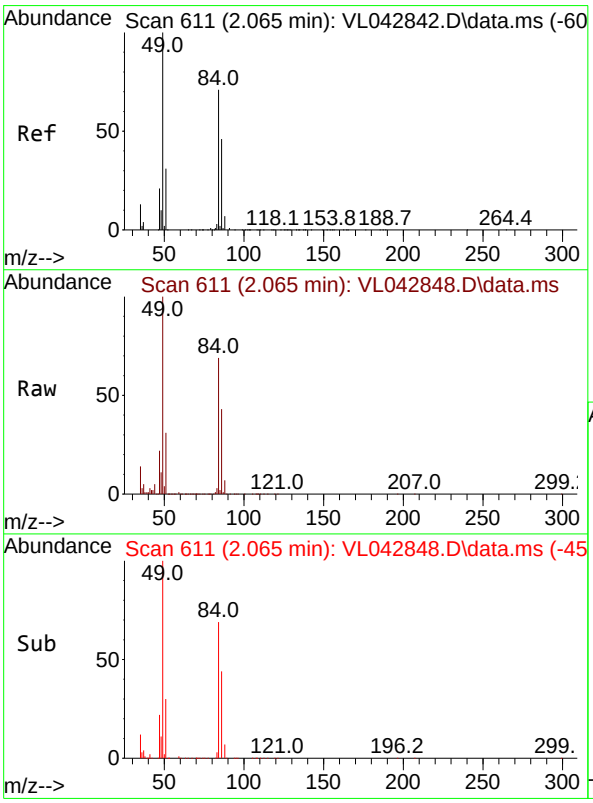
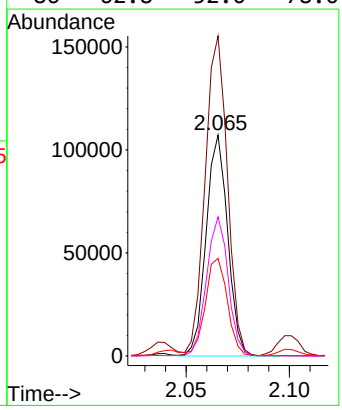
Supervised By :Mahesh Dadoda 08/18/2025

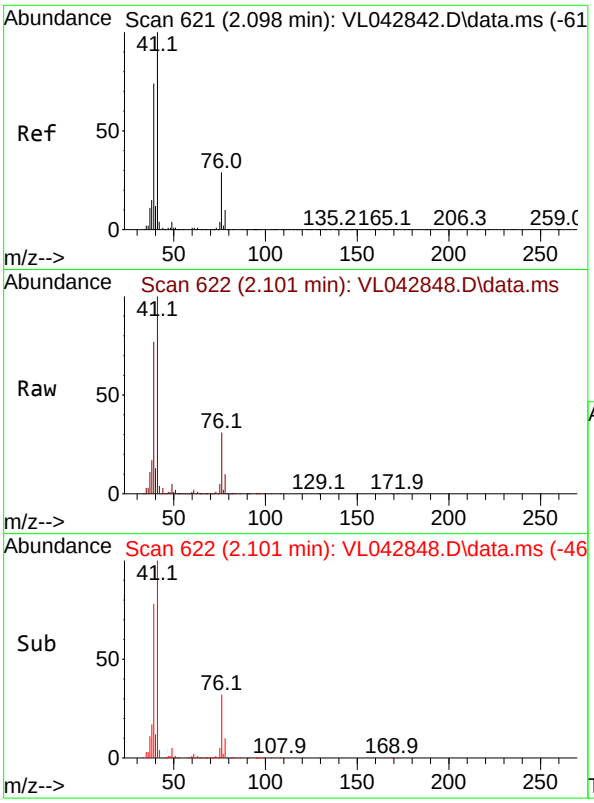


#20
Methylene Chloride
Concen: 11.494 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 84 Resp: 77749

Ion	Ratio	Lower	Upper
84	100		
49	143.1	112.3	168.5
51	42.5	36.0	54.0
86	62.8	52.0	78.0

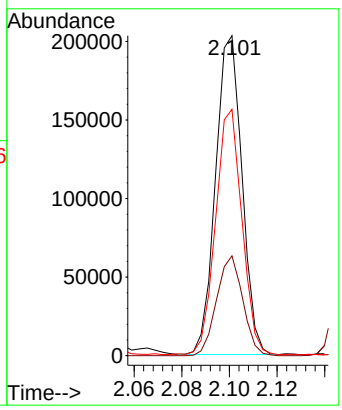




#21
Allyl Chloride
Concen: 13.703 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 41 Resp: 15631

Ion	Ratio	Lower	Upper
41	100		
76	30.9	23.9	35.9
39	76.9	57.8	86.6



Instrument :
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ClientSampleId :
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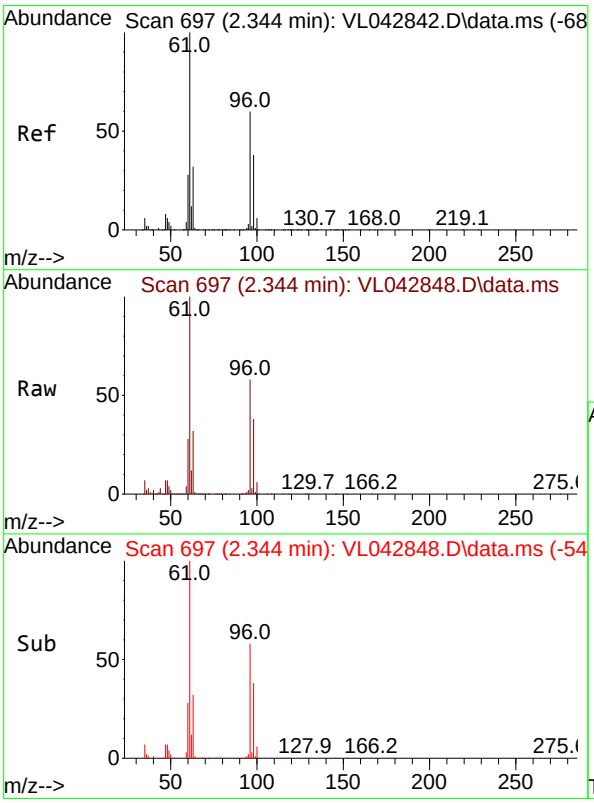
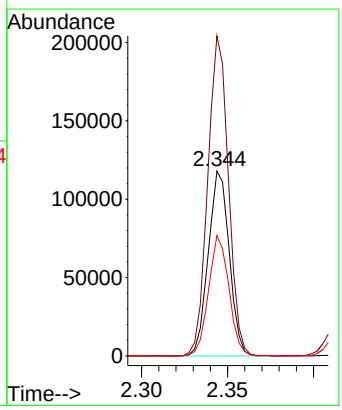
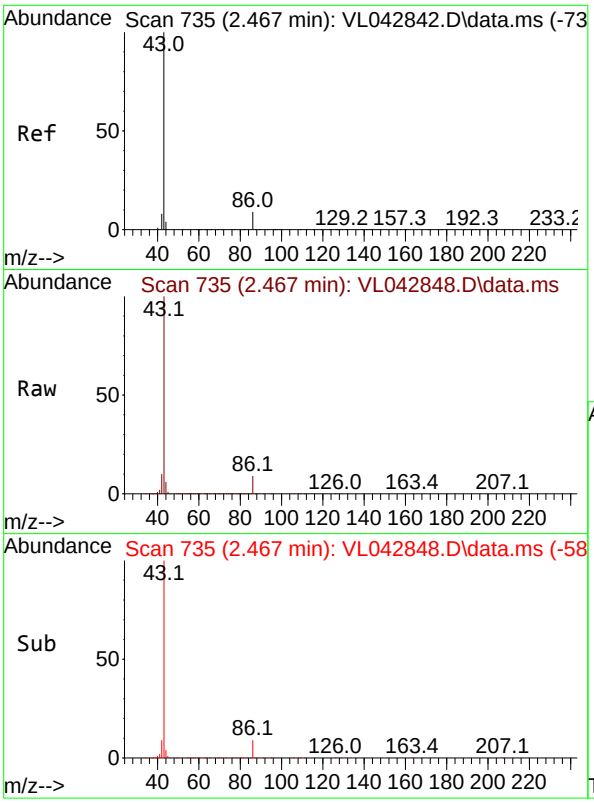


#22
trans-1,2-Dichloroethene
Concen: 14.465 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 96 Resp: 100064

Ion	Ratio	Lower	Upper
96	100		
61	173.1	132.6	199.0
98	65.2	50.0	75.0

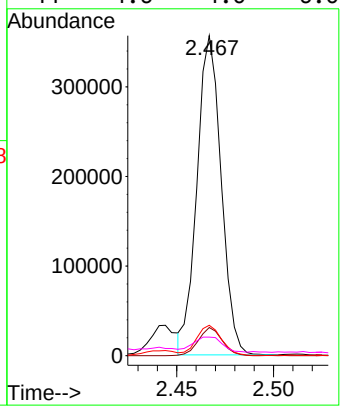




#23
Vinyl Acetate
Concen: 14.557 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 30923

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.4	7.0	10.6
44	4.6	4.0	6.0



Instrument :
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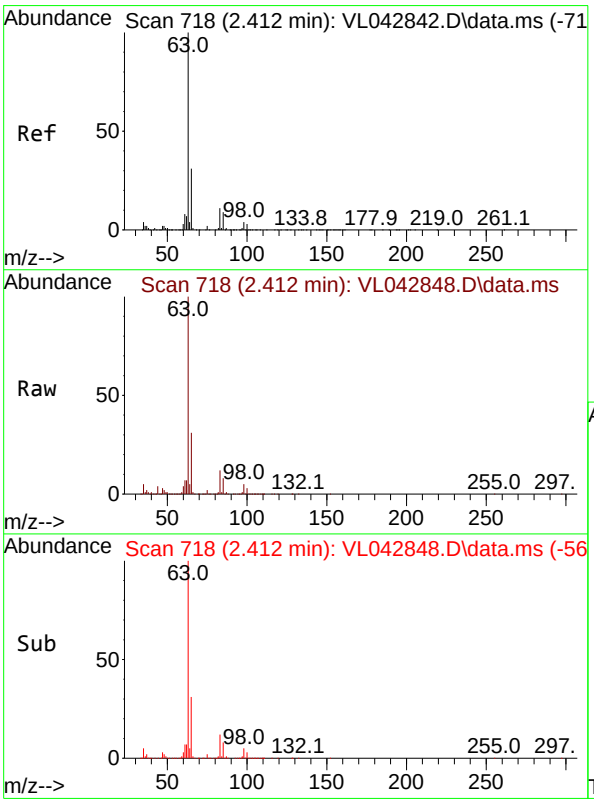
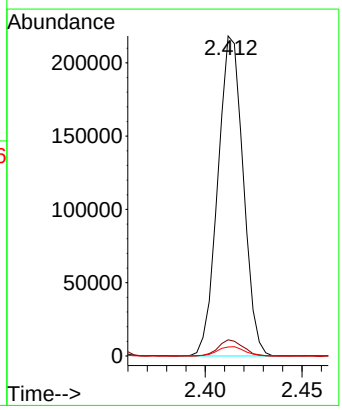
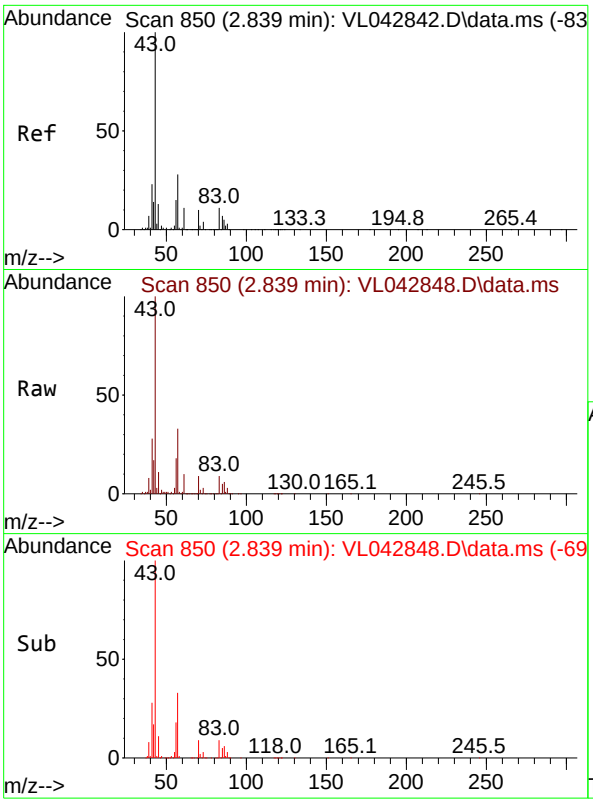


#24
1,1-Dichloroethane
Concen: 13.944 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 63 Resp: 199276

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.8	1.7	5.1

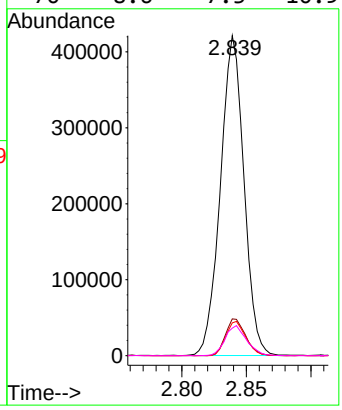




#25
Ethyl Acetate
Concen: 13.653 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 53360

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.2	7.4	11.2
70	8.6	7.3	10.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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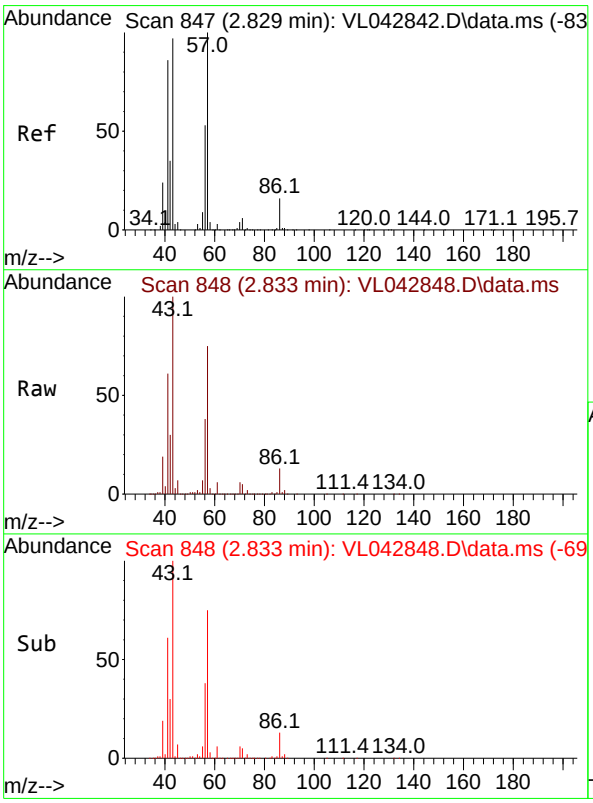
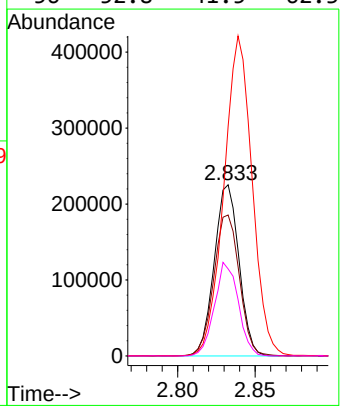
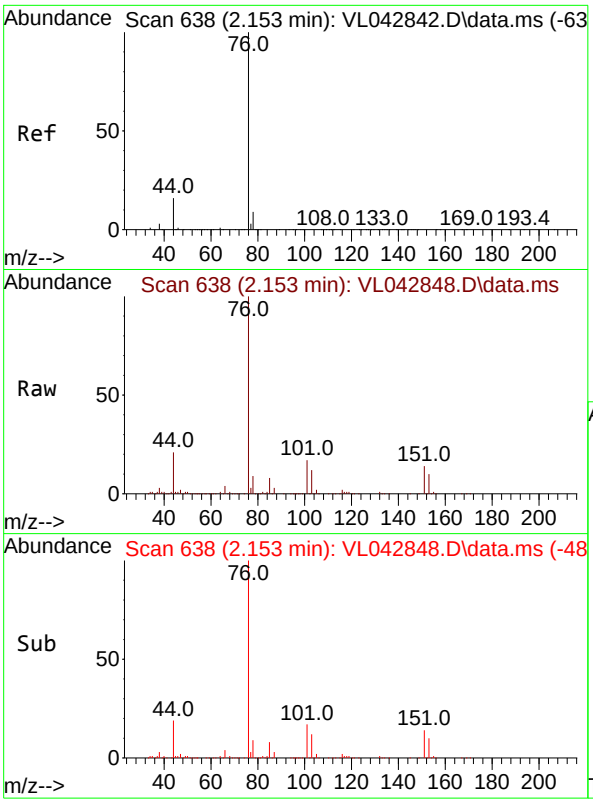


#26
Hexane
Concen: 13.869 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 250189

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	214.3	168.5	252.7
56	52.8	41.5	62.3

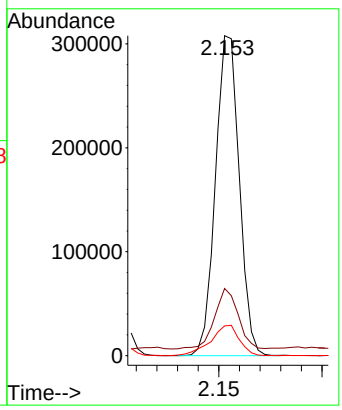




#27
Carbon Disulfide
Concen: 14.062 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 76 Resp: 24686

Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.9	23.9
78	11.4	9.5	14.3



Instrument :
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ClientSampleId :
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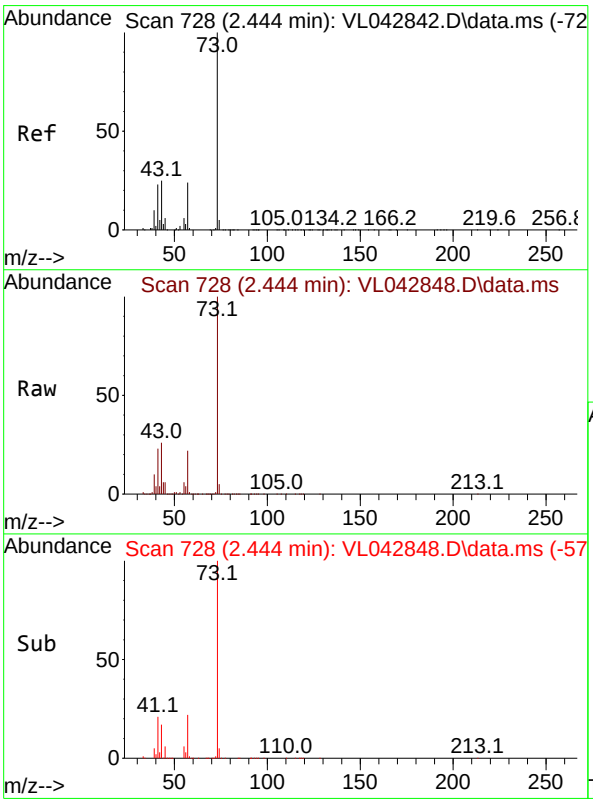
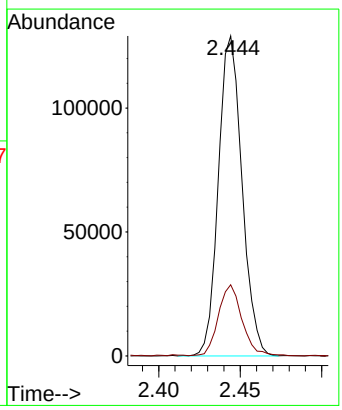
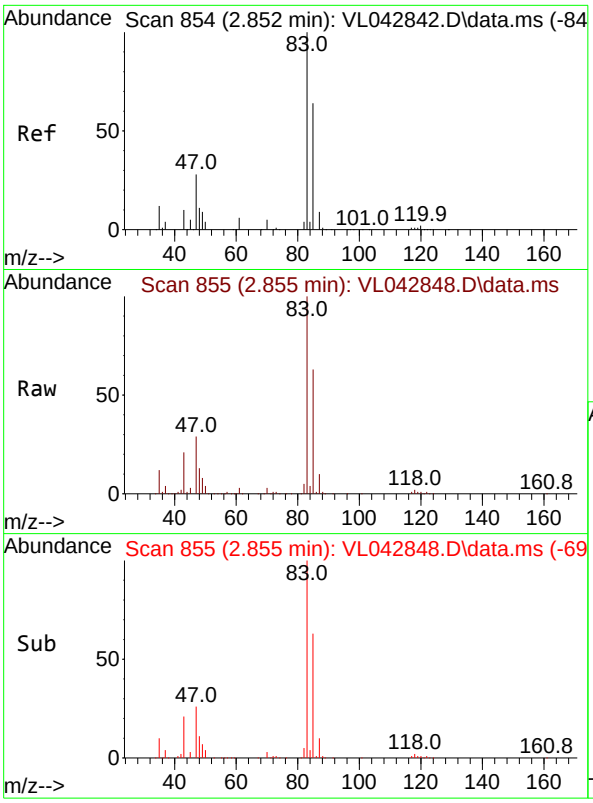


#28
Methyl tert-Butyl Ether
Concen: 14.131 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 73 Resp: 129978

Ion	Ratio	Lower	Upper
73	100		
57	22.5	21.6	32.4

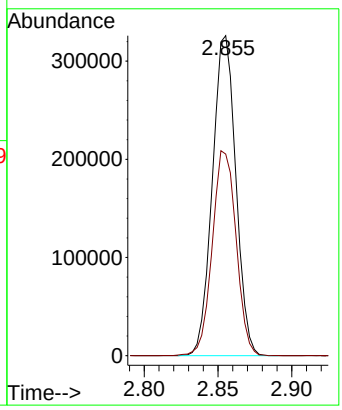




#29
Chloroform
Concen: 14.003 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 83 Resp: 36066

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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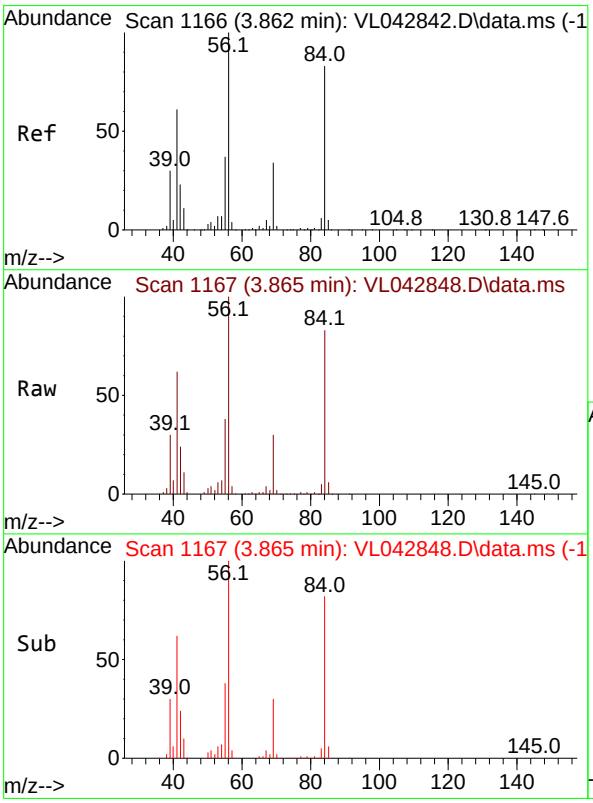
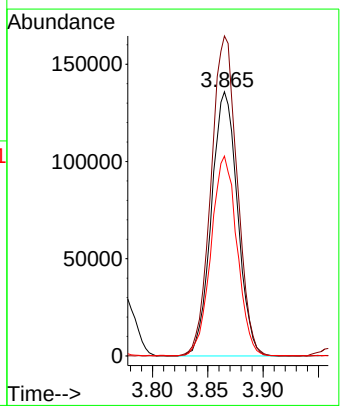
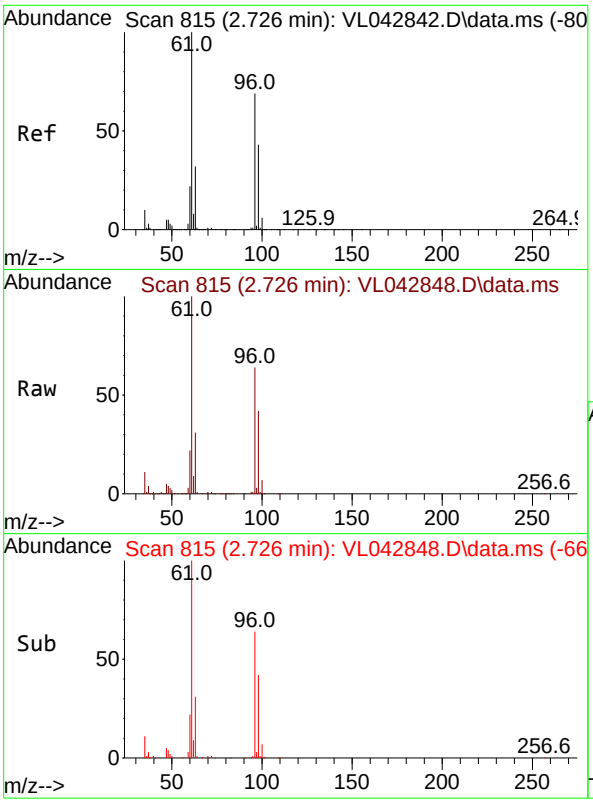


#30
Cyclohexane
Concen: 14.088 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 84 Resp: 222820

Ion	Ratio	Lower	Upper
84	100		
56	121.5	98.8	148.2
41	75.1	61.3	91.9

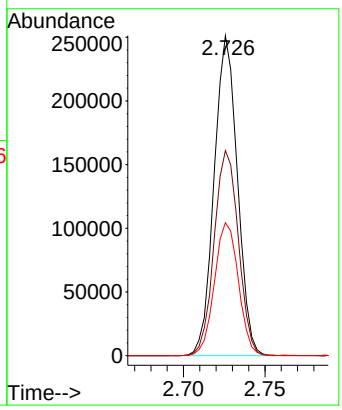




#31
cis-1,2-Dichloroethene
Concen: 13.821 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 61 Resp: 24937

Ion	Ratio	Lower	Upper
61	100		
96	64.1	55.0	82.6
98	41.6	34.3	51.5



Instrument :
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ClientSampleId :
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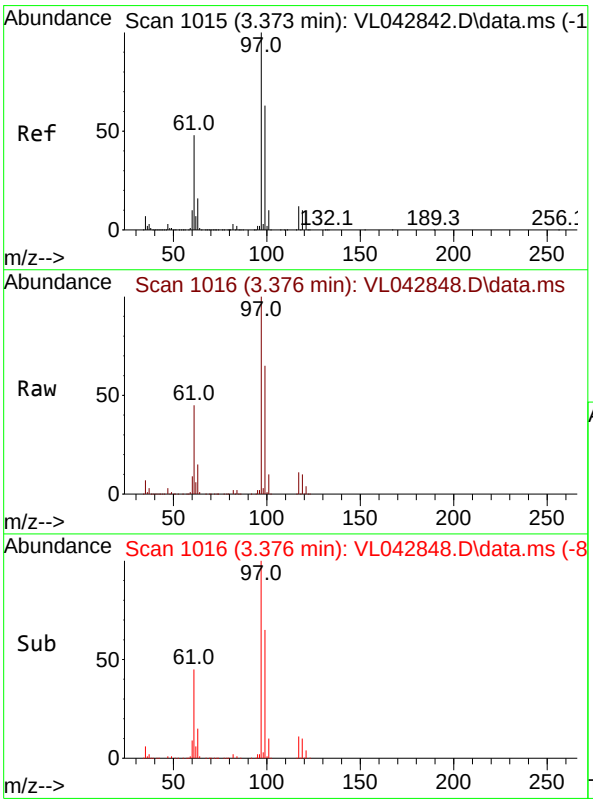
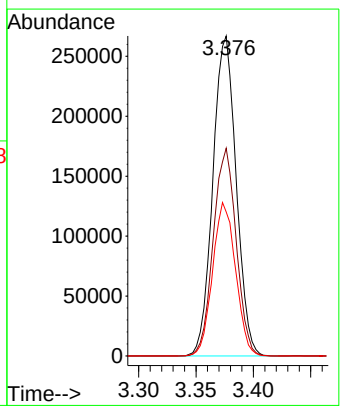
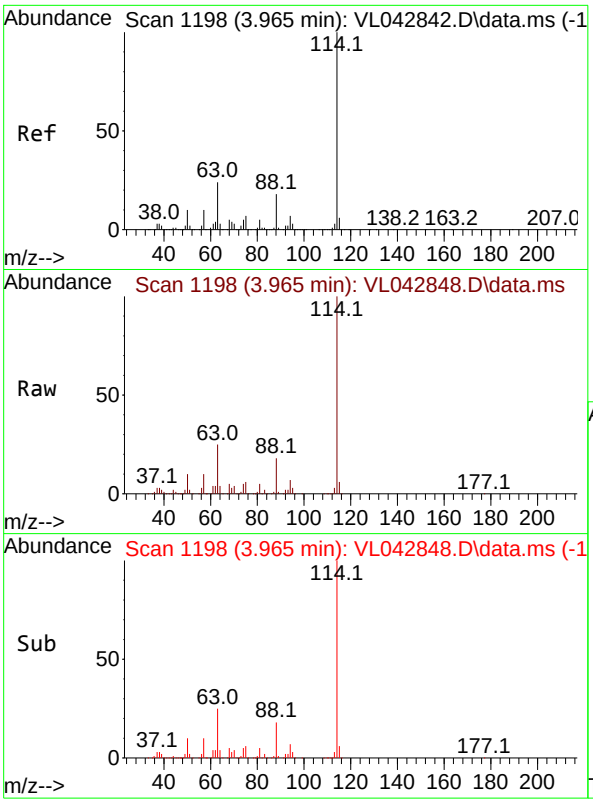


#32
1,1,1-Trichloroethane
Concen: 13.851 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 97 Resp: 377739

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	47.2	38.0	57.0

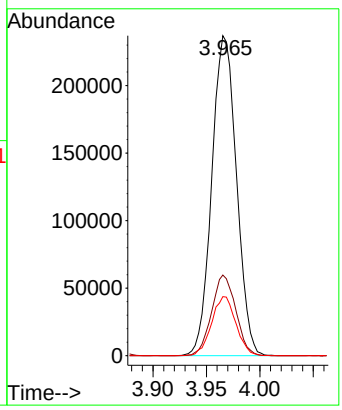




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:114 Resp: 38087

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6



Instrument :
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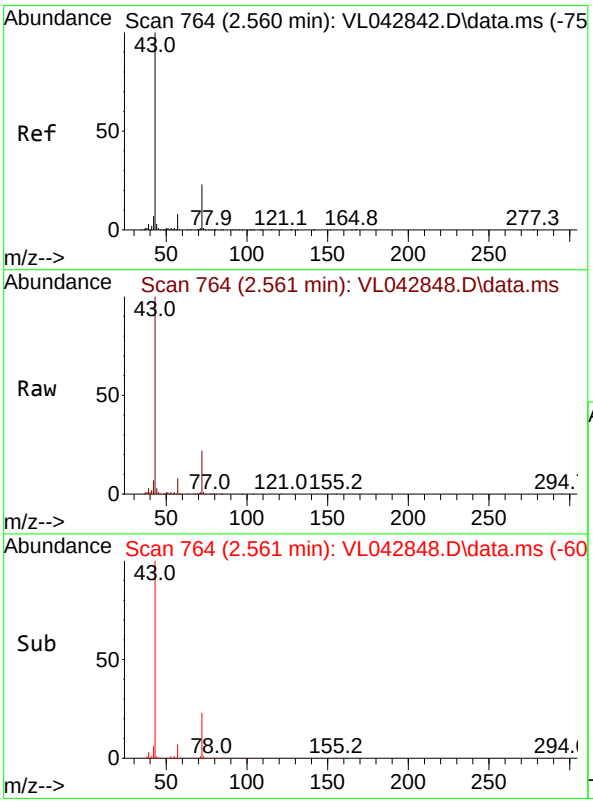
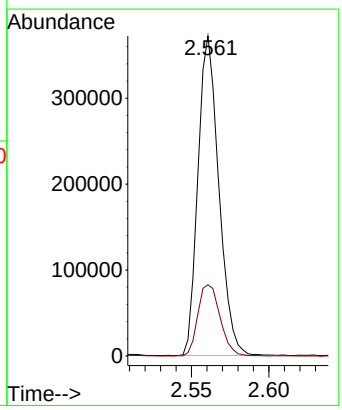
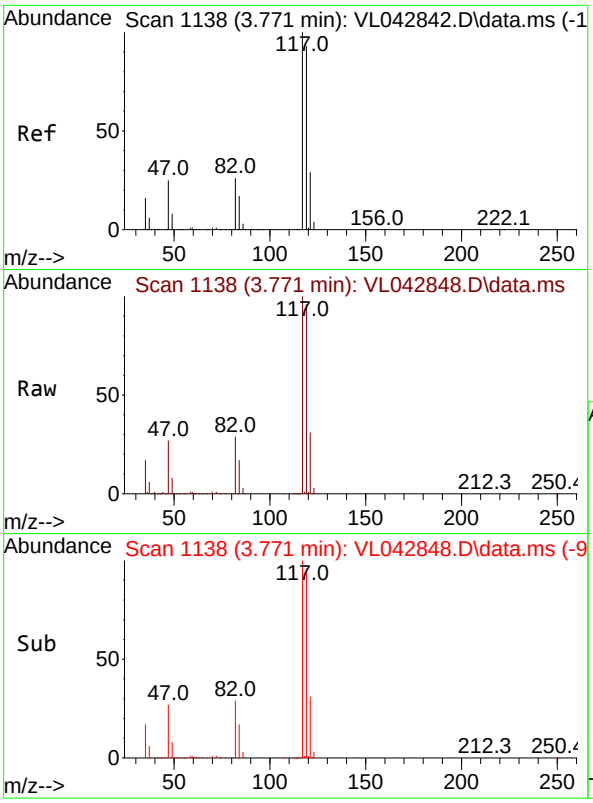


#34
2-Butanone
Concen: 13.563 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 348815

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0

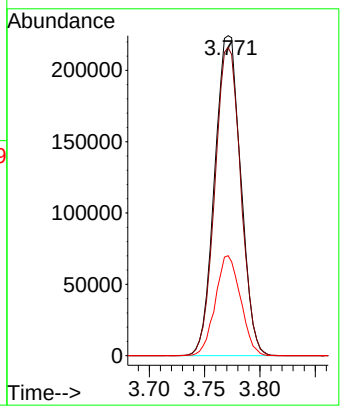




#35
Carbon Tetrachloride
Concen: 13.990 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:117 Resp: 36735

Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.7	112.1
121	31.2	23.2	34.8



Instrument :
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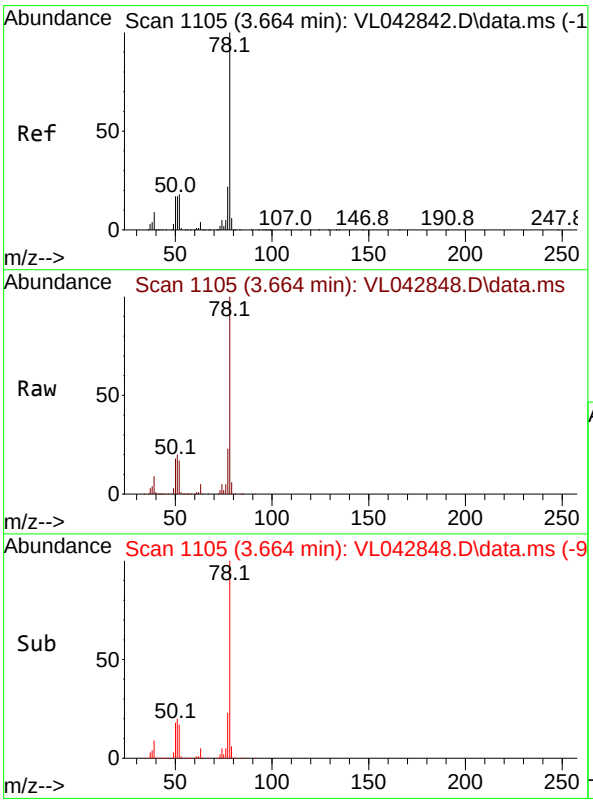
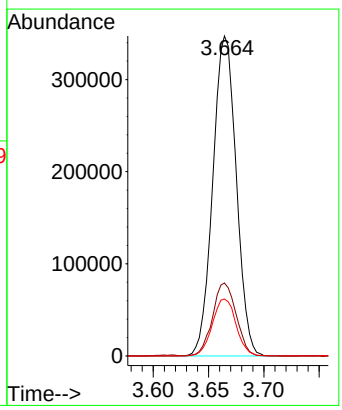
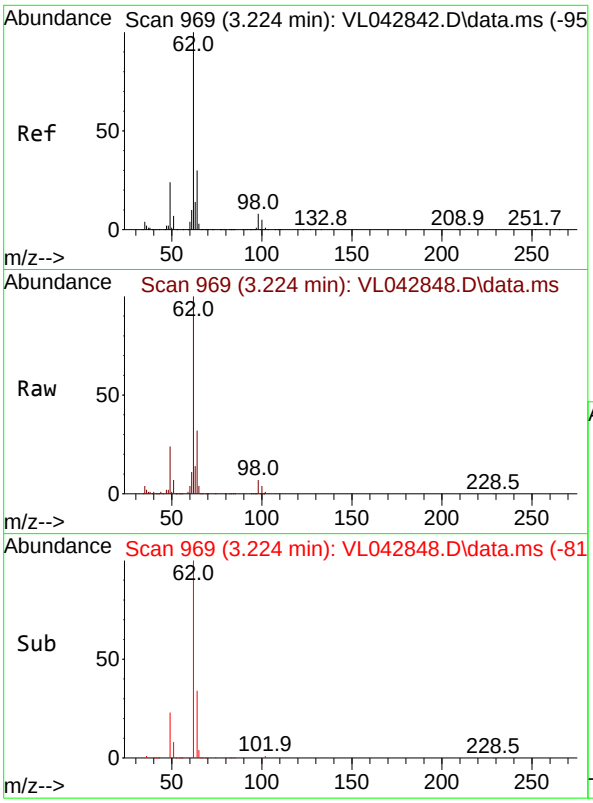


#36
Benzene
Concen: 14.033 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 78 Resp: 511811

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.7	26.5
50	17.8	13.9	20.9

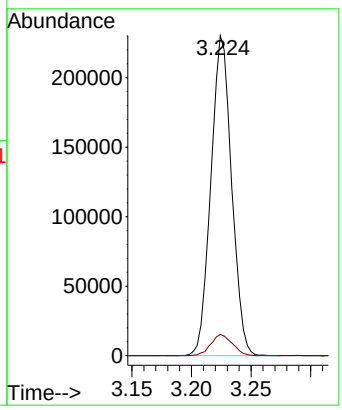




#37
1,2-Dichloroethane
Concen: 14.639 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 62 Resp: 27893

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.9	8.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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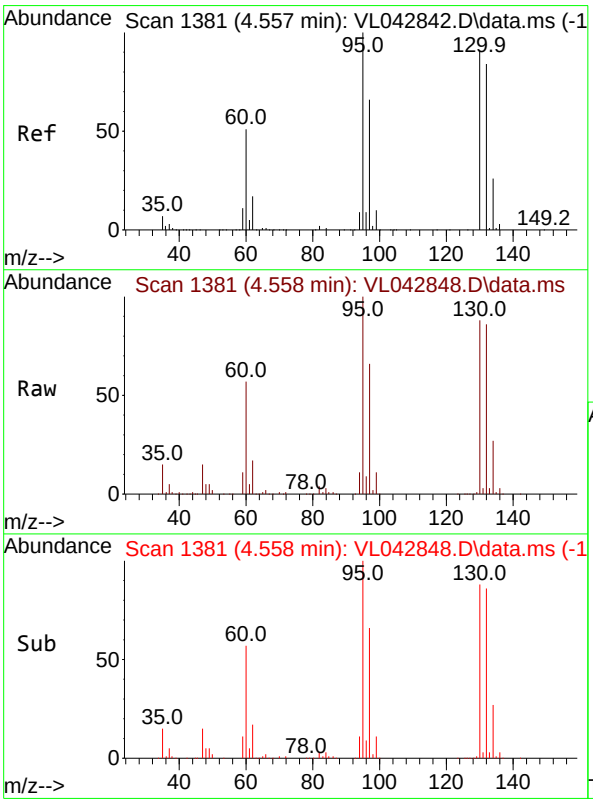
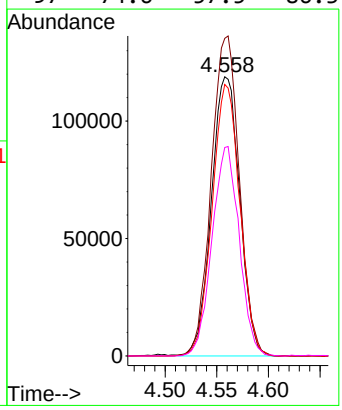
Supervised By :Mahesh Dadoda 08/18/2025

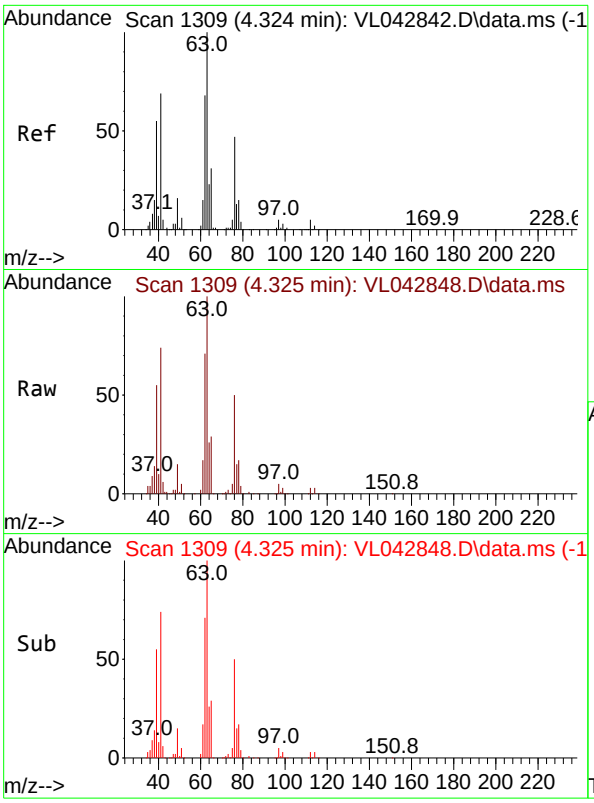


#38
Trichloroethene
Concen: 13.634 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:130 Resp: 227091

Ion	Ratio	Lower	Upper
130	100		
95	113.8	87.6	131.4
132	97.3	73.8	110.8
97	74.6	57.5	86.3

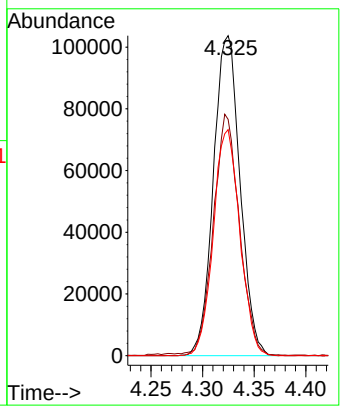




#39
1,2-Dichloropropane
Concen: 13.984 ppbv
RT: 4.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 63 Resp: 18627

Ion	Ratio	Lower	Upper
63	100		
41	73.5	55.0	82.4
62	70.6	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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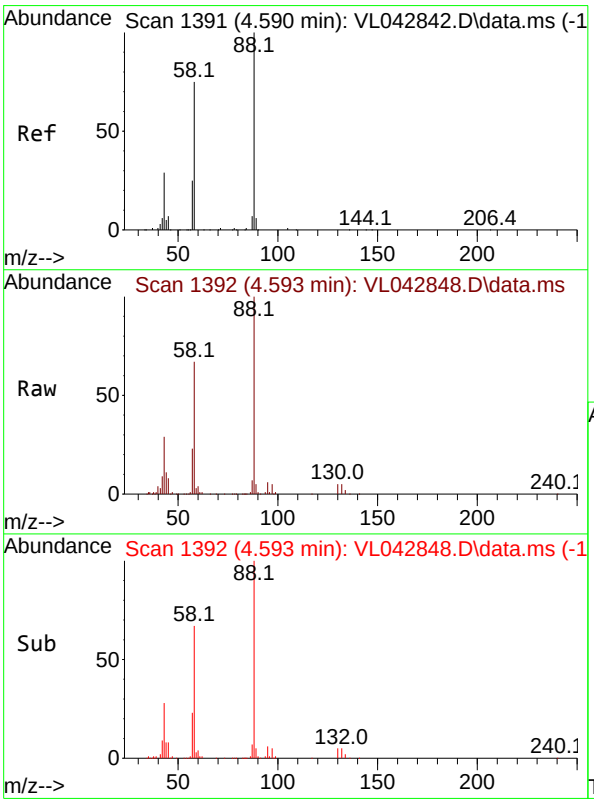
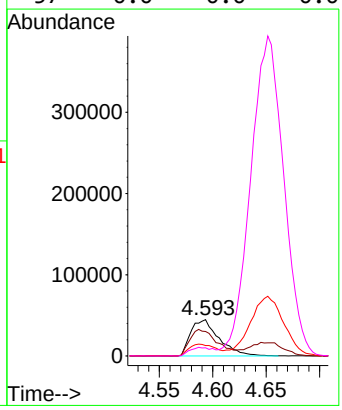
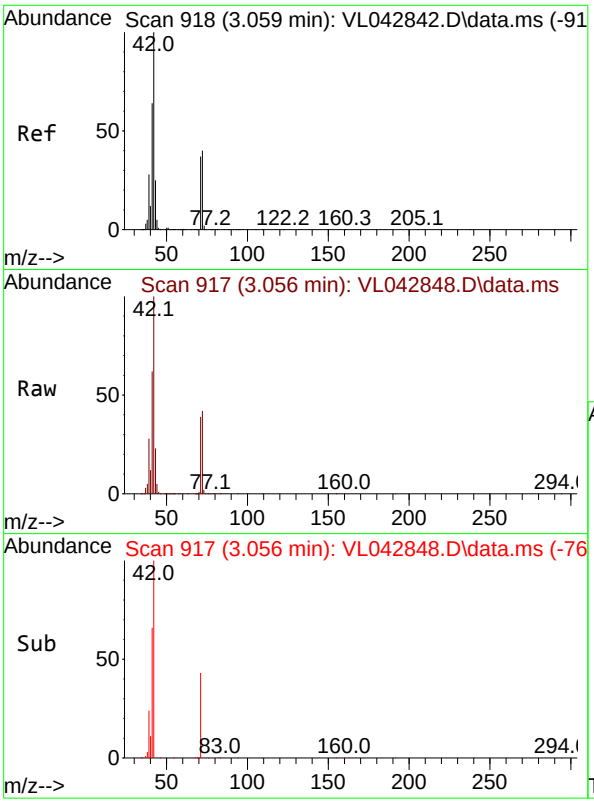


#40
1,4-Dioxane
Concen: 13.212 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 88 Resp: 82385

Ion	Ratio	Lower	Upper
88	100		
58	73.5	53.8	80.6
43	33.9	22.8	34.2
57	0.0	0.0	0.0

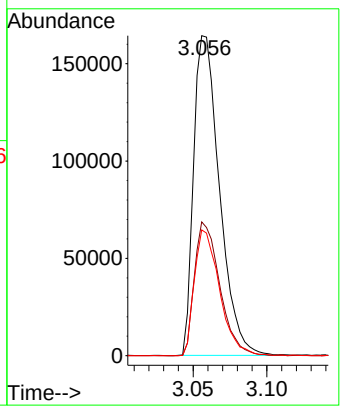




#41
Tetrahydrofuran
Concen: 14.001 ppbv
RT: 3.056 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 42 Resp: 20075

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.6	48.8
71	38.4	30.0	45.0



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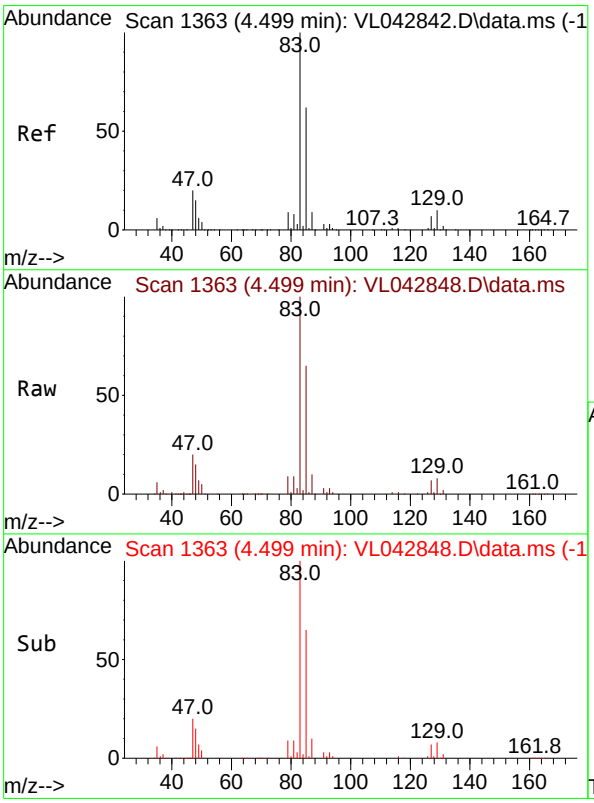
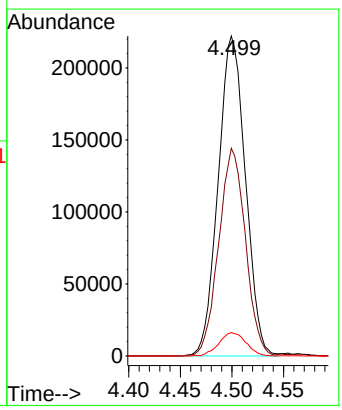
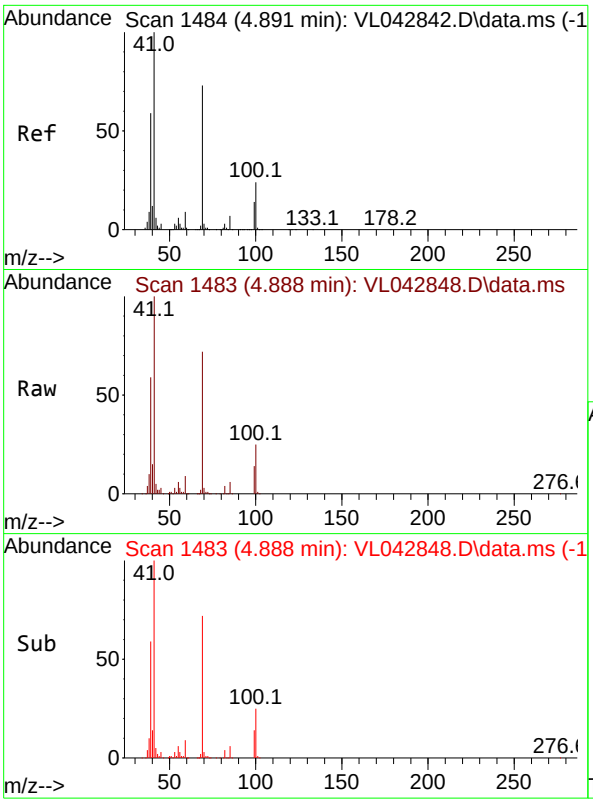


#42
Bromodichloromethane
Concen: 14.372 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 83 Resp: 408089

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.8	74.8
127	7.3	5.8	8.6

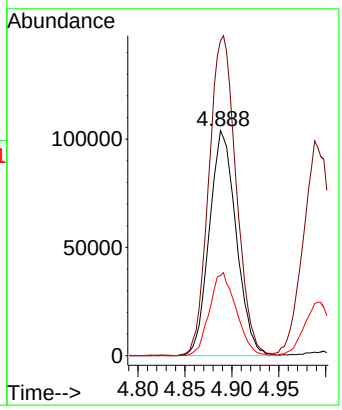




#43
Methyl Methacrylate
Concen: 13.808 ppbv
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 69 Resp: 20659(

Ion	Ratio	Lower	Upper
69	100		
41	144.8	114.6	172.0
100	36.8	30.2	45.4



Instrument :
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ClientSampleId :
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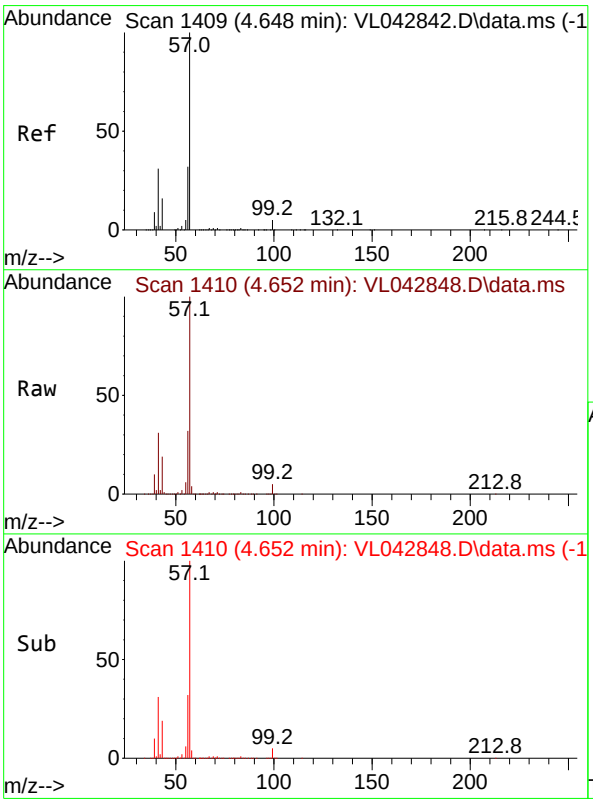
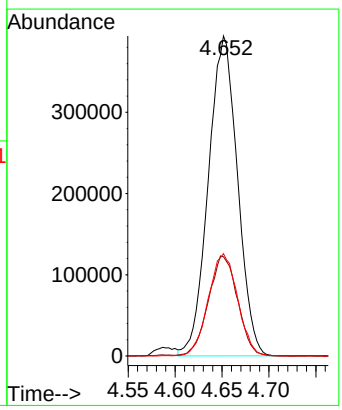
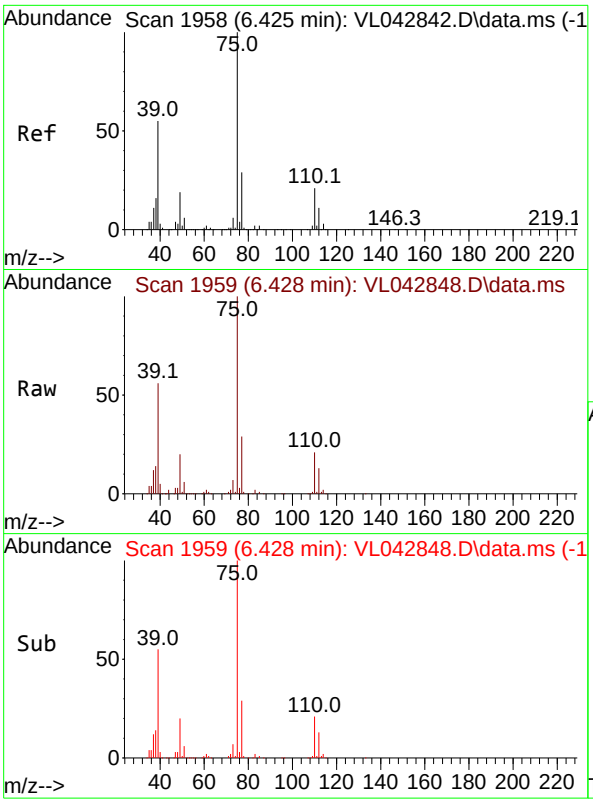


#44
2,2,4-Trimethylpentane
Concen: 13.895 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 850847

Ion	Ratio	Lower	Upper
57	100		
41	31.5	24.8	37.2
56	32.1	25.5	38.3

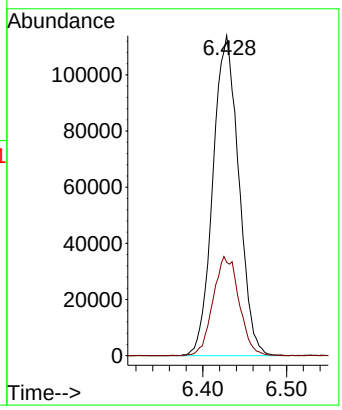




#45
t-1,3-Dichloropropene
Concen: 14.387 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 75 Resp: 24411

Ion	Ratio	Lower	Upper
75	100		
77	29.2	23.8	35.6



Instrument :
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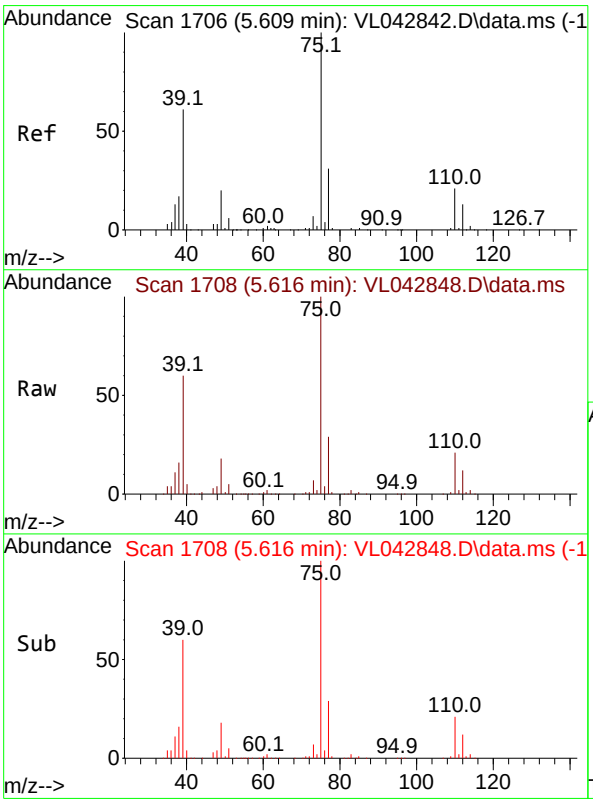
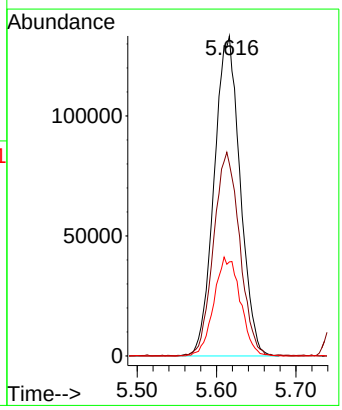
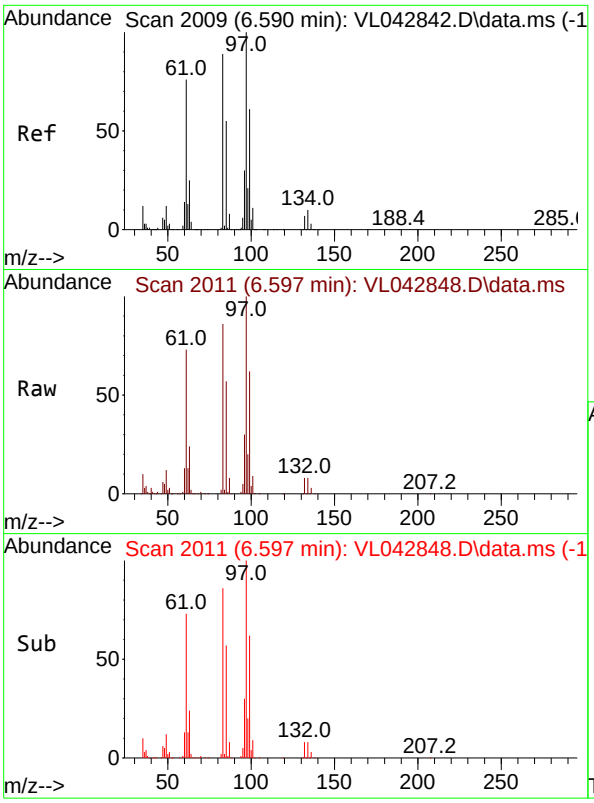


#46
cis-1,3-Dichloropropene
Concen: 14.191 ppbv
RT: 5.616 min Scan# 1708
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 75 Resp: 302339

Ion	Ratio	Lower	Upper
75	100		
39	59.9	48.9	73.3
77	29.4	24.9	37.3

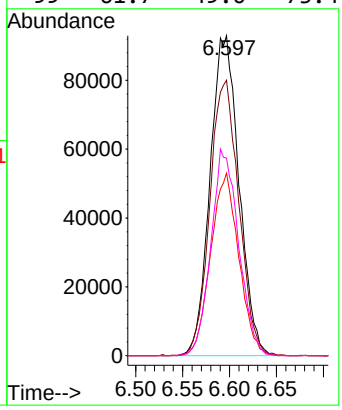




#47
1,1,2-Trichloroethane
Concen: 14.118 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 97 Resp: 19906

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	57.0	43.6	65.4
99	61.7	49.0	73.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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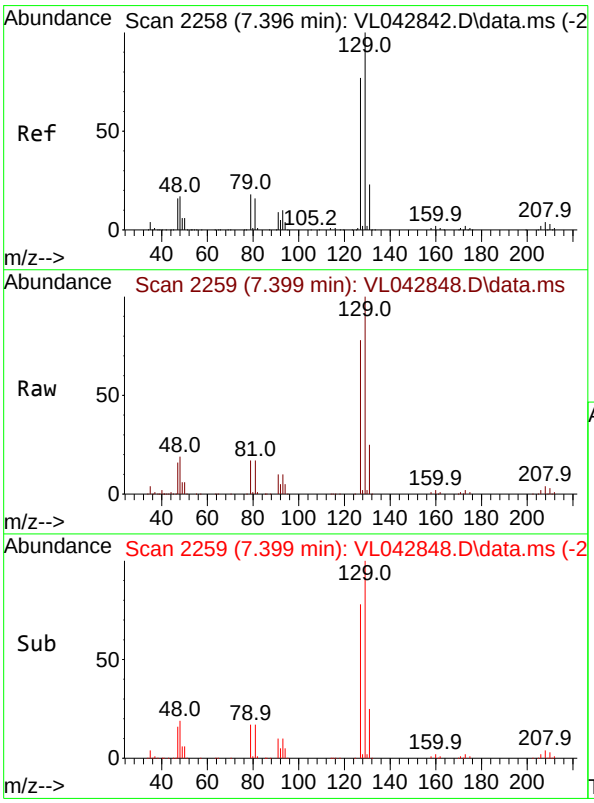
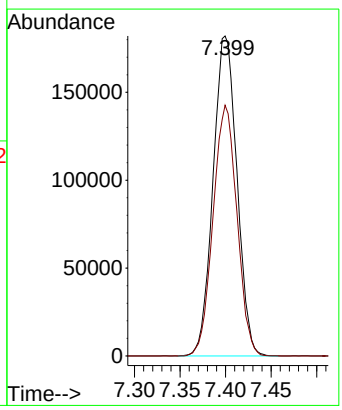
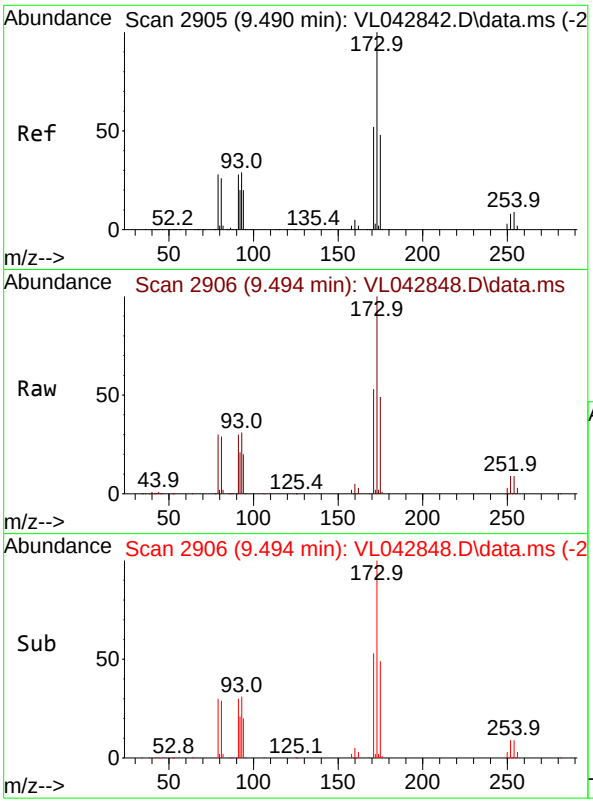


#48
Dibromochloromethane
Concen: 14.535 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:129 Resp: 331947

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2

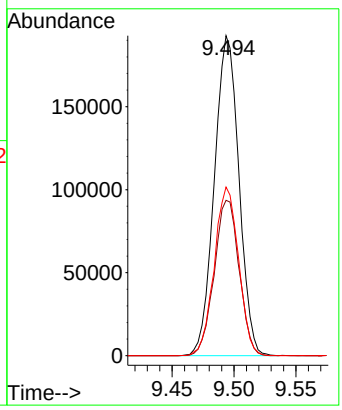




#49
Bromoform
Concen: 14.162 ppbv
RT: 9.494 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:173 Resp: 26673

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.2	58.8
171	52.1	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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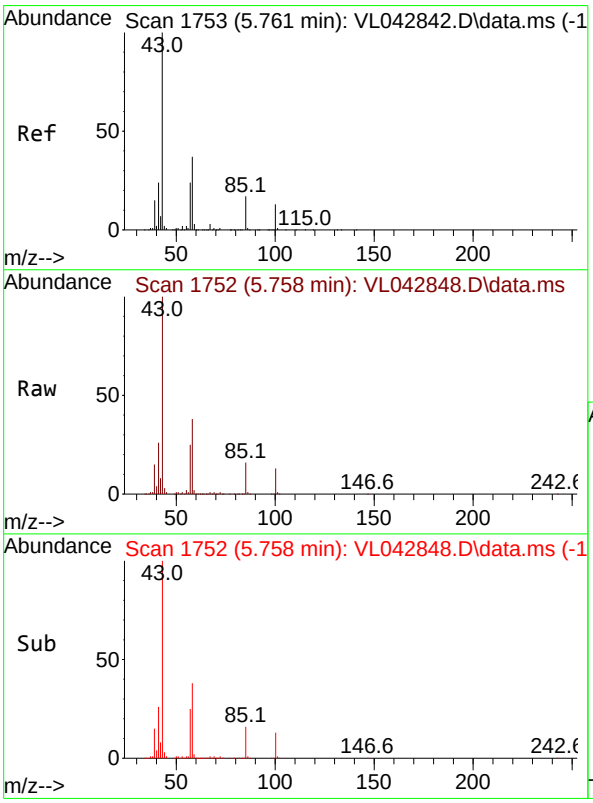
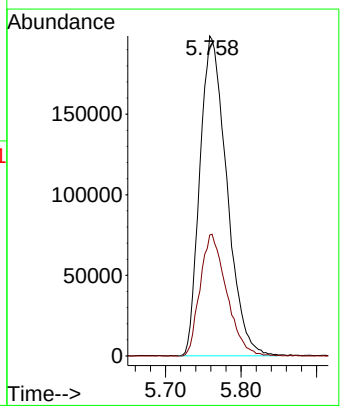
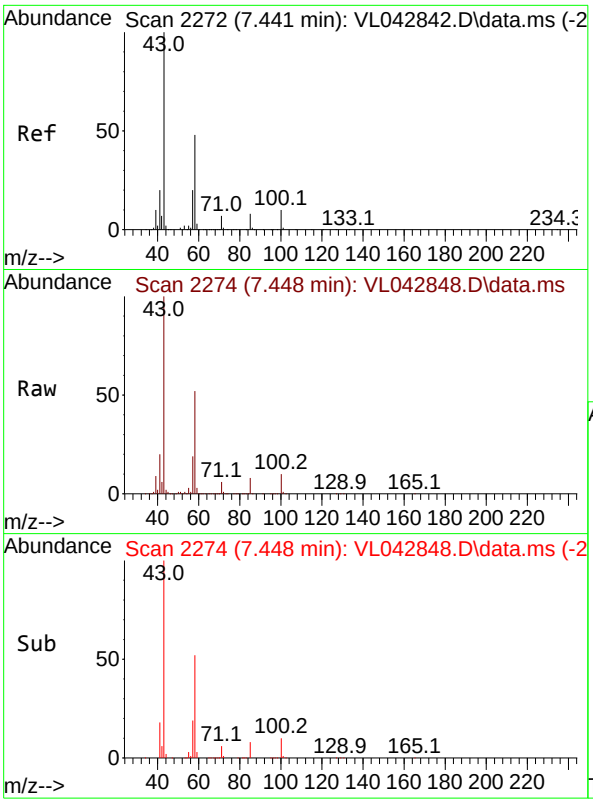


#50
4-Methyl-2-Pentanone
Concen: 14.073 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 490917

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.8	44.8

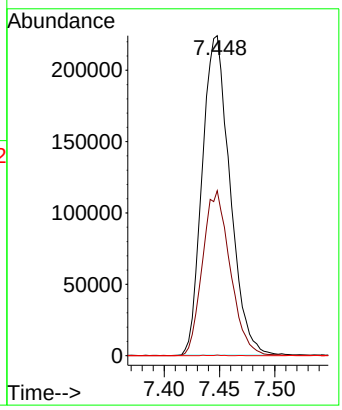




#51
2-Hexanone
Concen: 14.255 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 38994

Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.0	61.6
98	0.1	0.1	0.1



Instrument :
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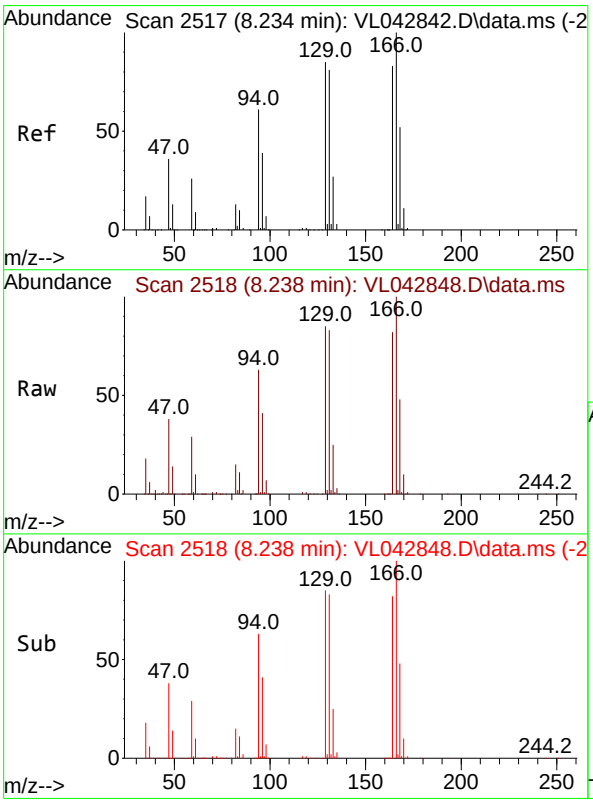
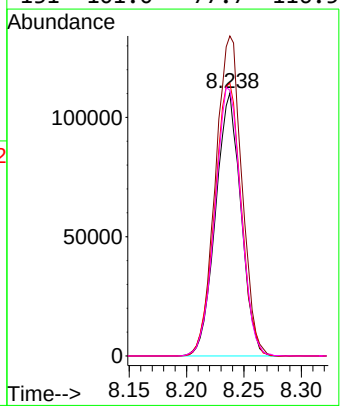
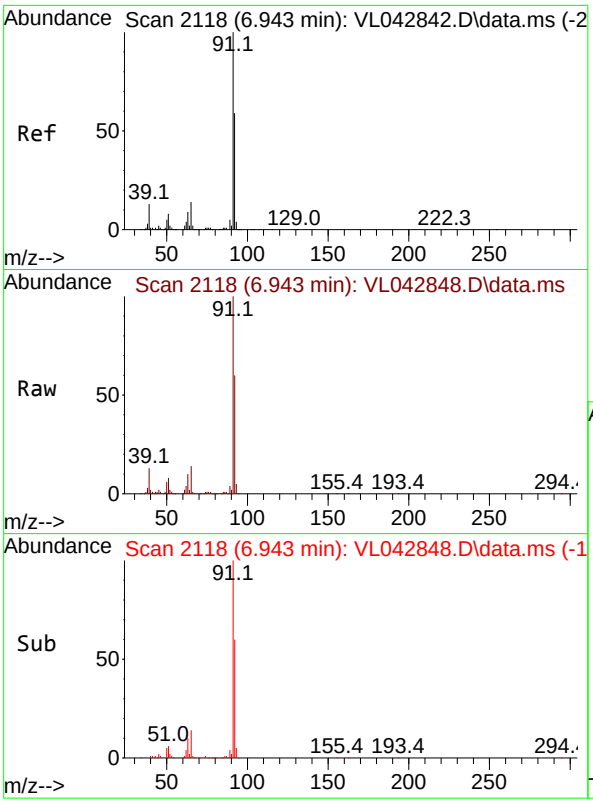


#52
Tetrachloroethene
Concen: 12.772 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:164 Resp: 168712

Ion	Ratio	Lower	Upper
164	100		
166	121.7	96.5	144.7
129	103.7	81.8	122.6
131	101.0	77.7	116.5





#53
Toluene
Concen: 13.961 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 60594

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.8	71.6

Instrument :
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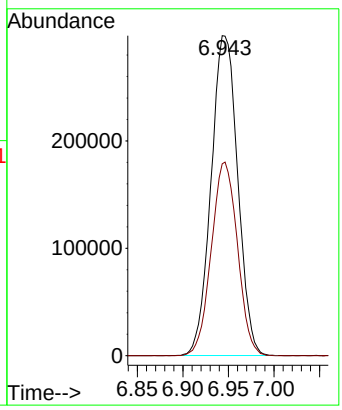
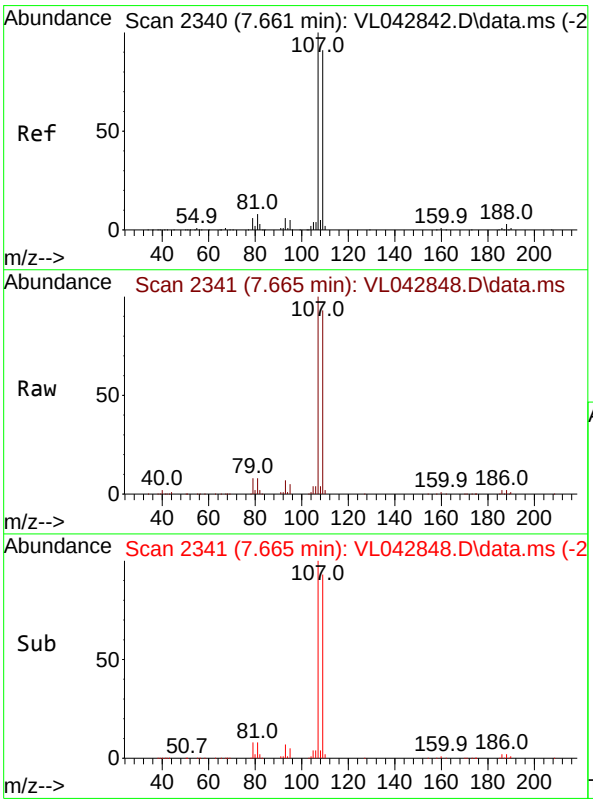
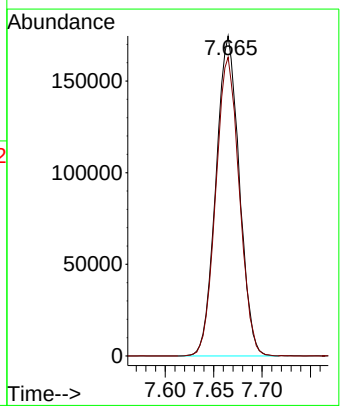


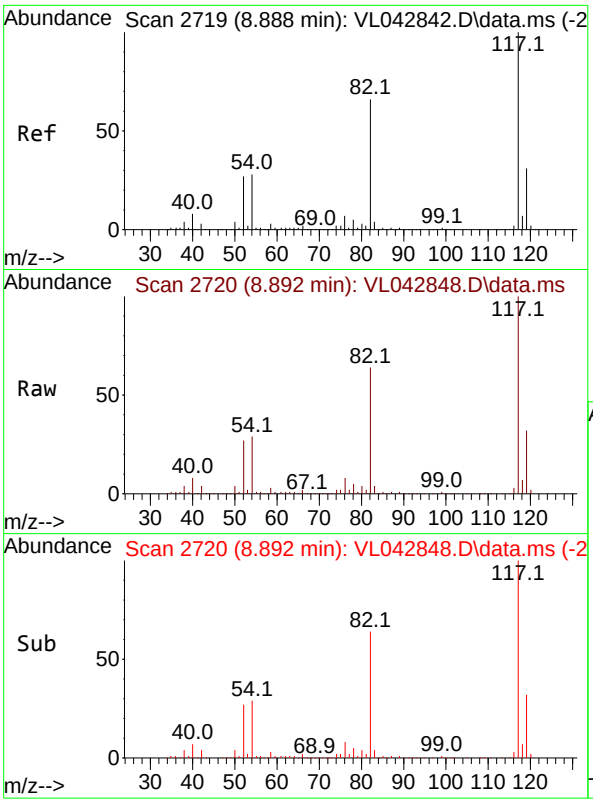


#54
1,2-Dibromoethane
Concen: 14.173 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:107 Resp: 292327

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.5	108.7

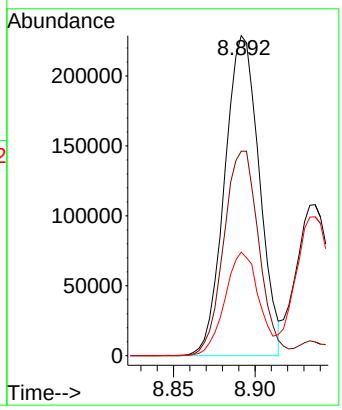




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:117 Resp: 33787

Ion	Ratio	Lower	Upper
117	100		
82	65.3	54.6	81.8
119	32.5	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
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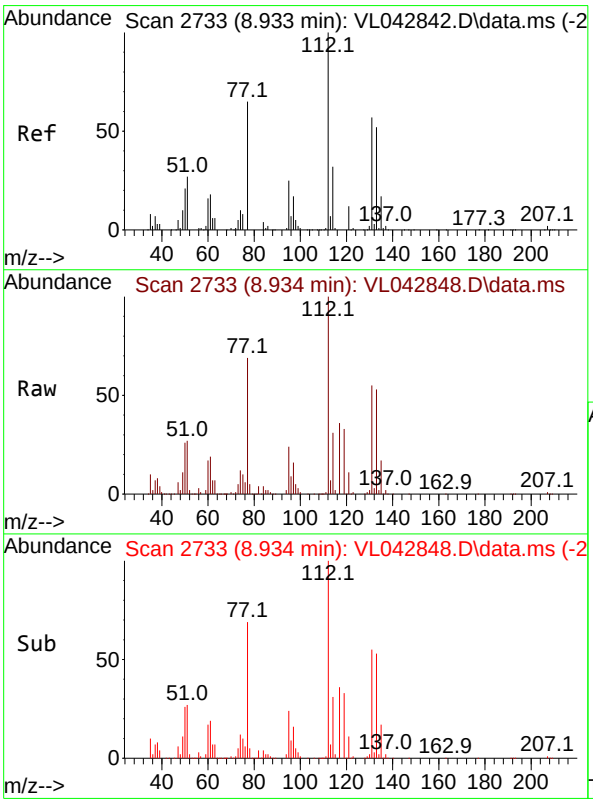
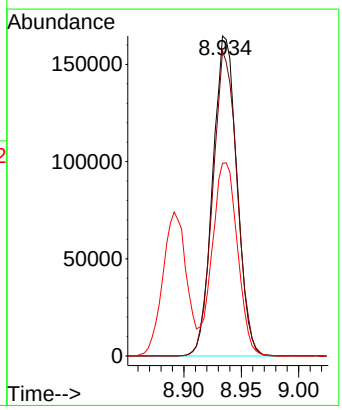
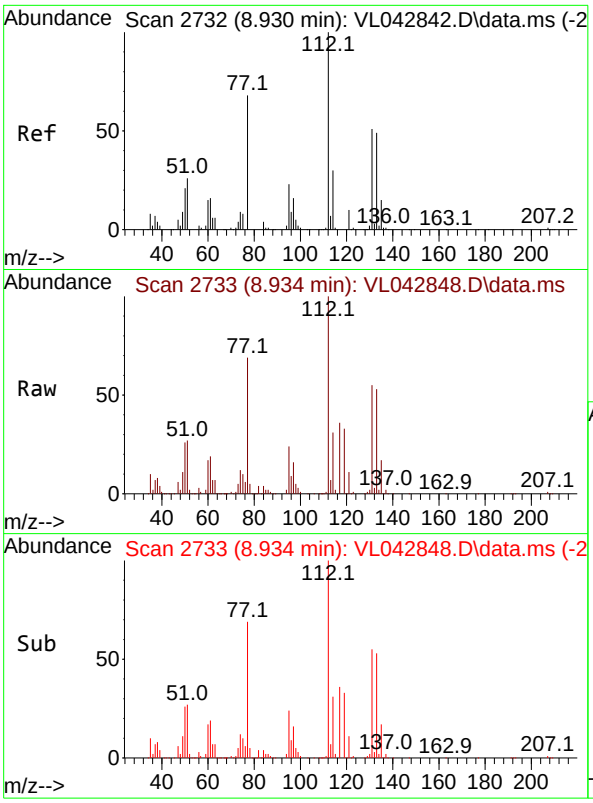


#56
1,1,1,2-Tetrachloroethane
Concen: 13.810 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:131 Resp: 241293

Ion	Ratio	Lower	Upper
131	100		
133	95.6	77.4	116.0
119	63.4	51.2	76.8

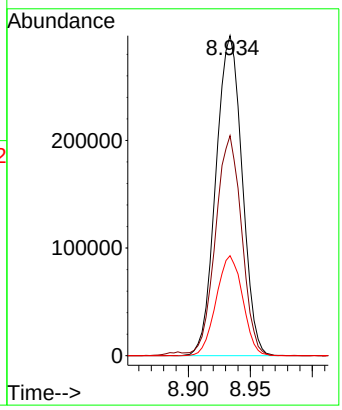




#57
Chlorobenzene
Concen: 13.668 ppbv
RT: 8.934 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:112 Resp: 43910

Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.5	83.3
114	31.2	27.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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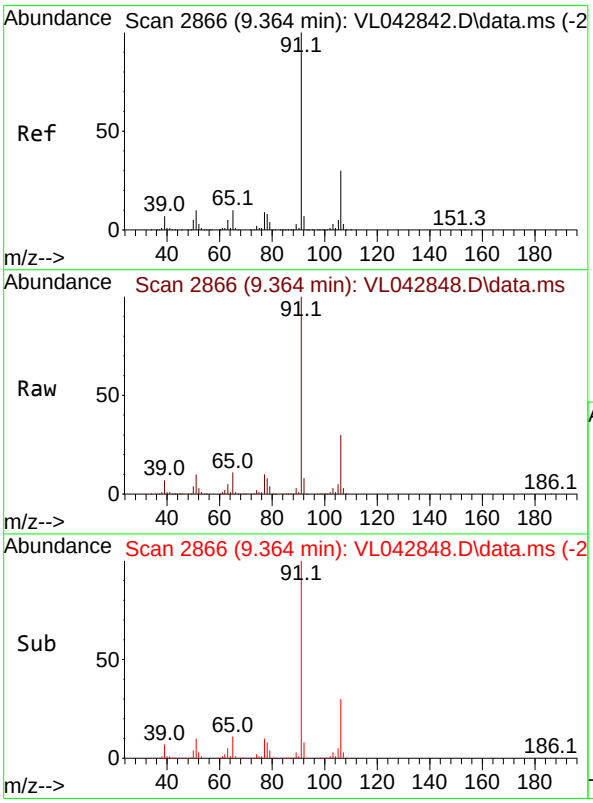
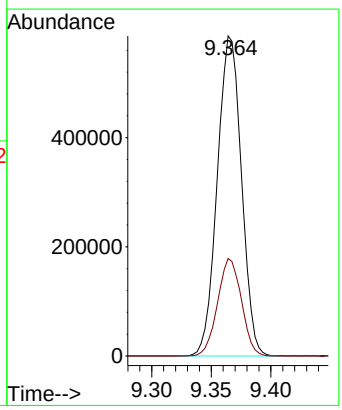
Supervised By :Mahesh Dadoda 08/18/2025

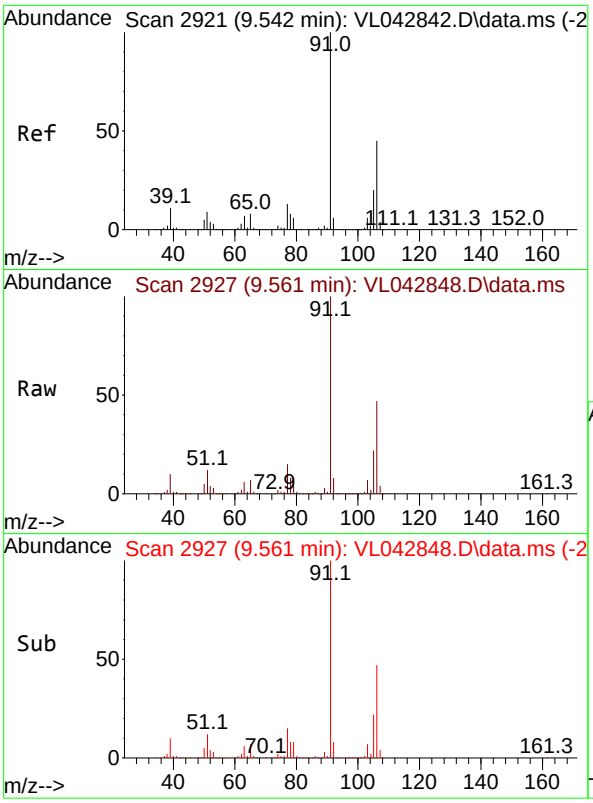


#58
Ethyl Benzene
Concen: 13.859 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 826316

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

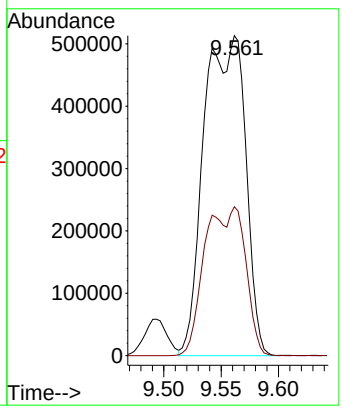




#59
m/p-Xylene
Concen: 27.650 ppbv m
RT: 9.561 min Scan# 2
Delta R.T. 0.020 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 129438

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
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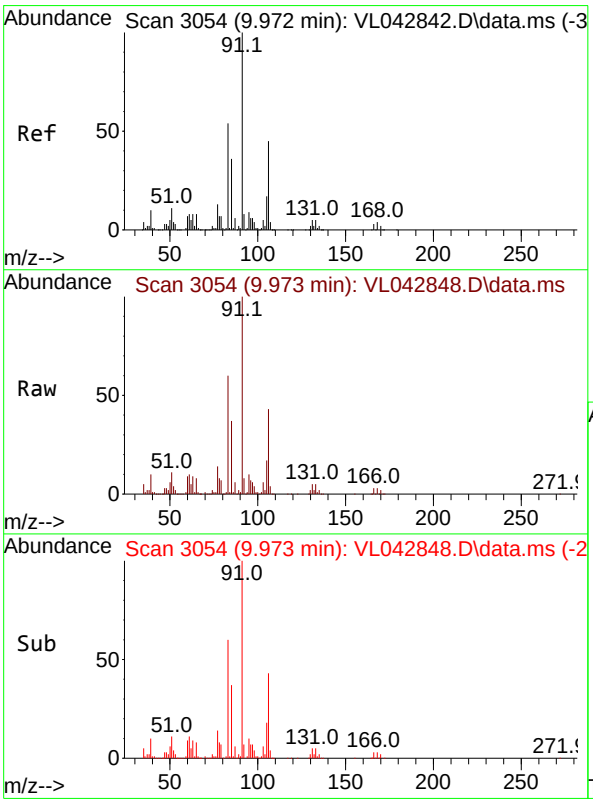
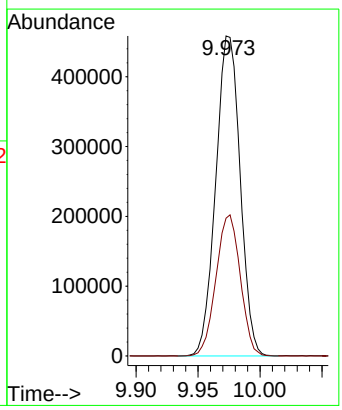
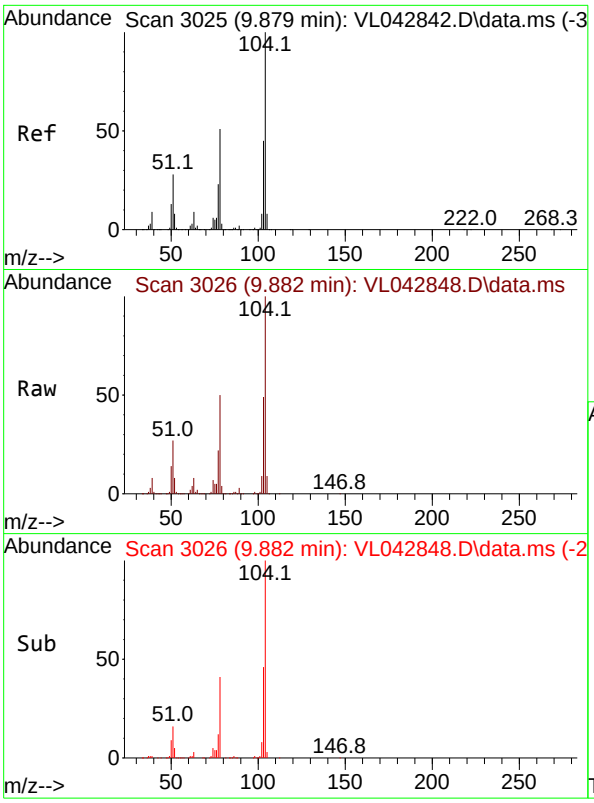


#60
o-Xylene
Concen: 13.389 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 629445

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.8	65.4

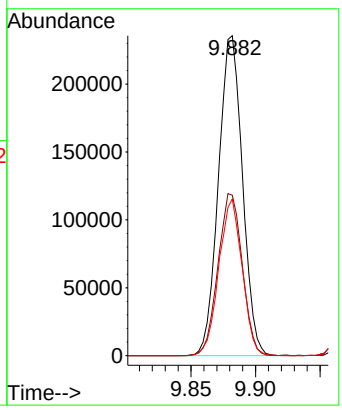




#61
Styrene
Concen: 13.827 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:104 Resp: 30456

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.6	61.0
103	47.6	37.7	56.5



Instrument :
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ClientSampleId :
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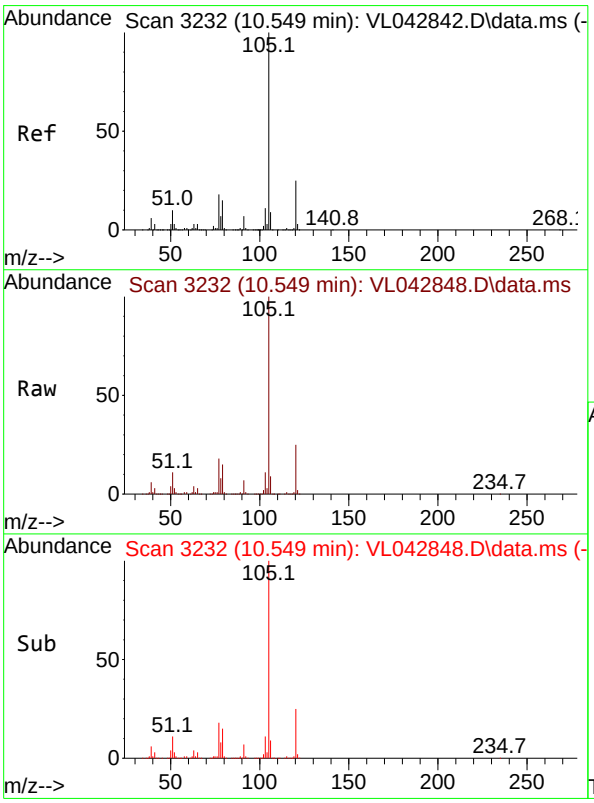
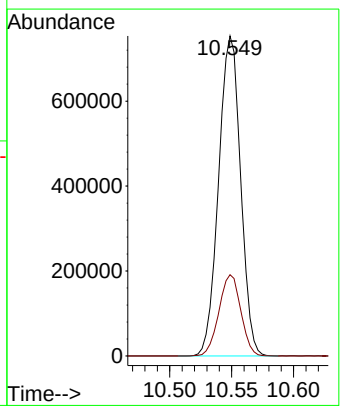
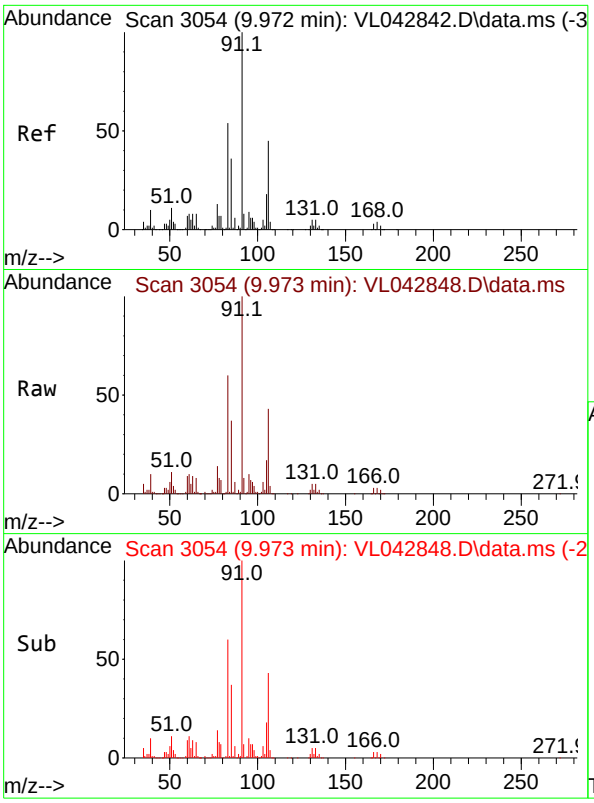


#62
Isopropylbenzene
Concen: 13.559 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 931574

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	30.8

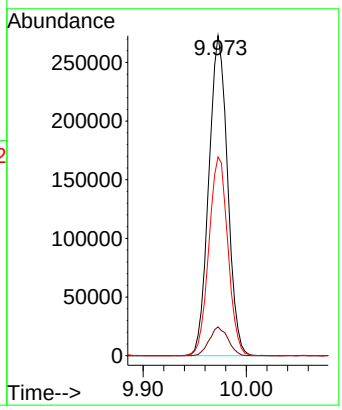




#63
1,1,2,2-Tetrachloroethane
Concen: 13.356 ppbv
RT: 9.973 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 83 Resp: 34289

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	63.0	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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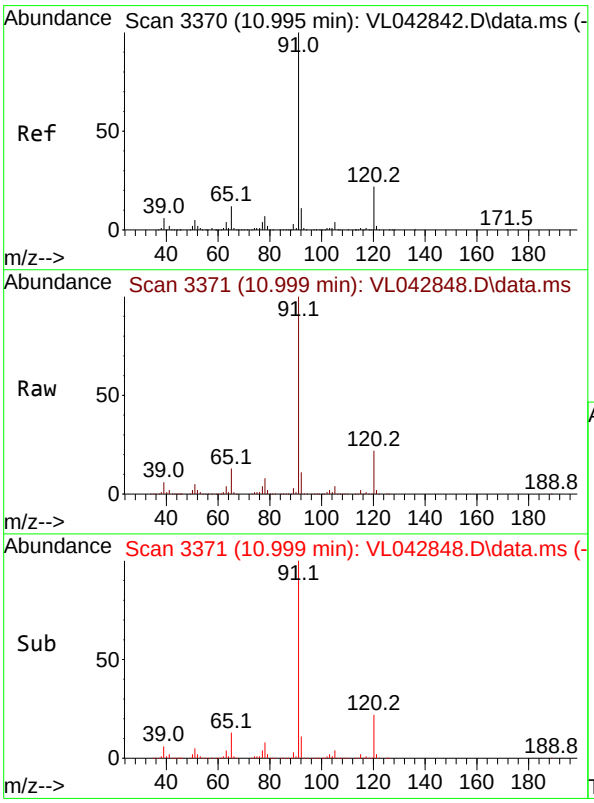
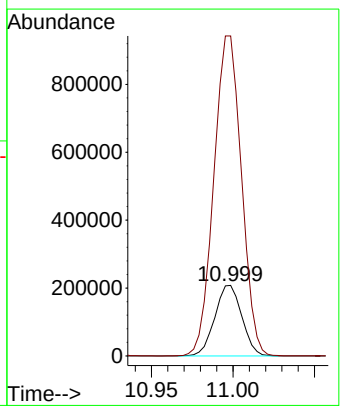
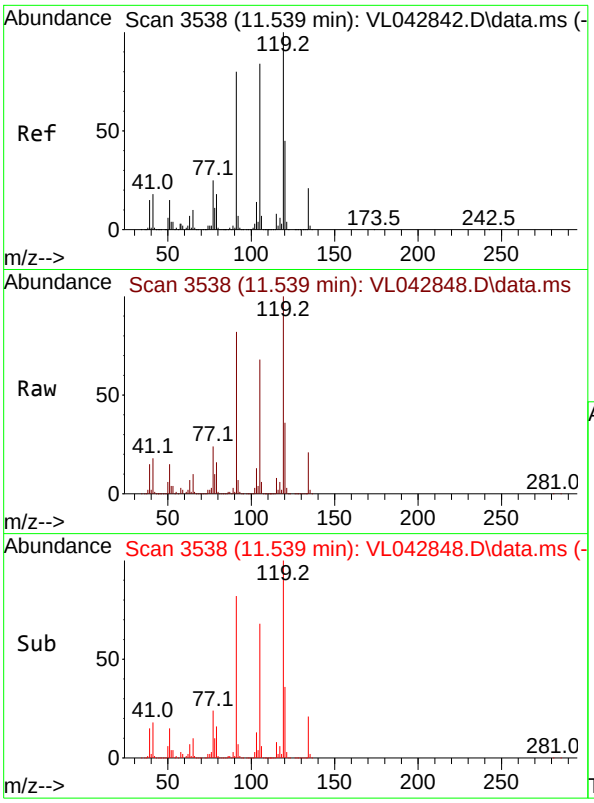


#64
n-propylbenzene
Concen: 13.646 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:120 Resp: 239209

Ion	Ratio	Lower	Upper
120	100		
91	465.1	375.8	563.6

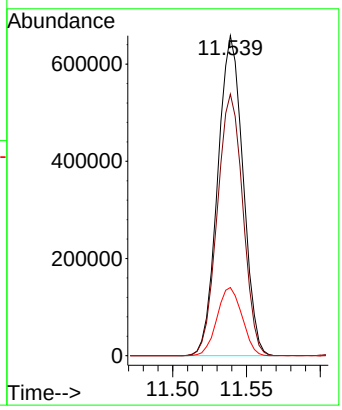




#65
tert-Butylbenzene
Concen: 12.965 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:119 Resp: 78525

Ion	Ratio	Lower	Upper
119	100		
91	82.4	63.9	95.9
134	21.1	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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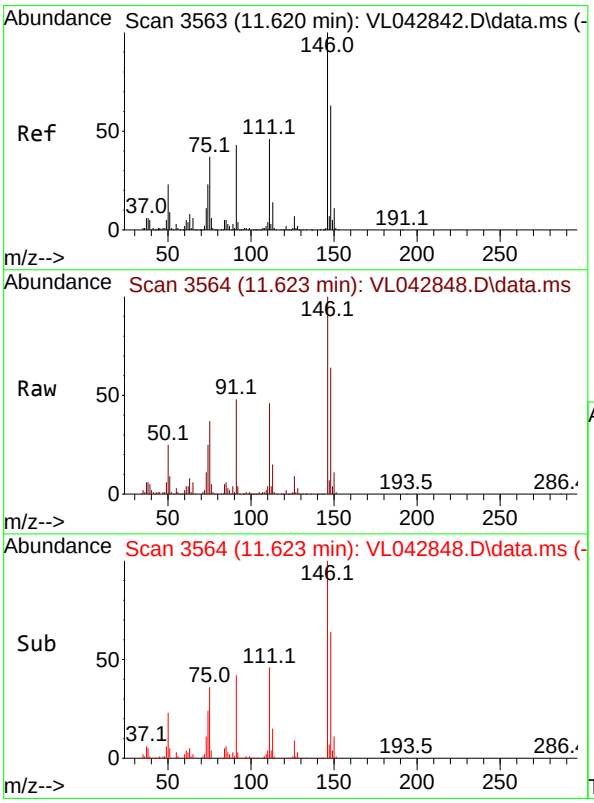
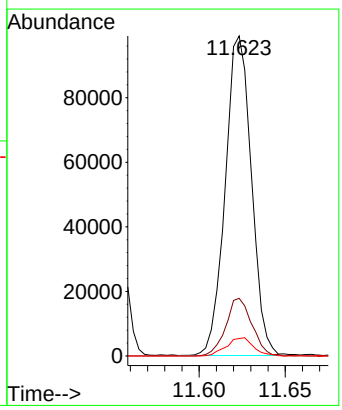
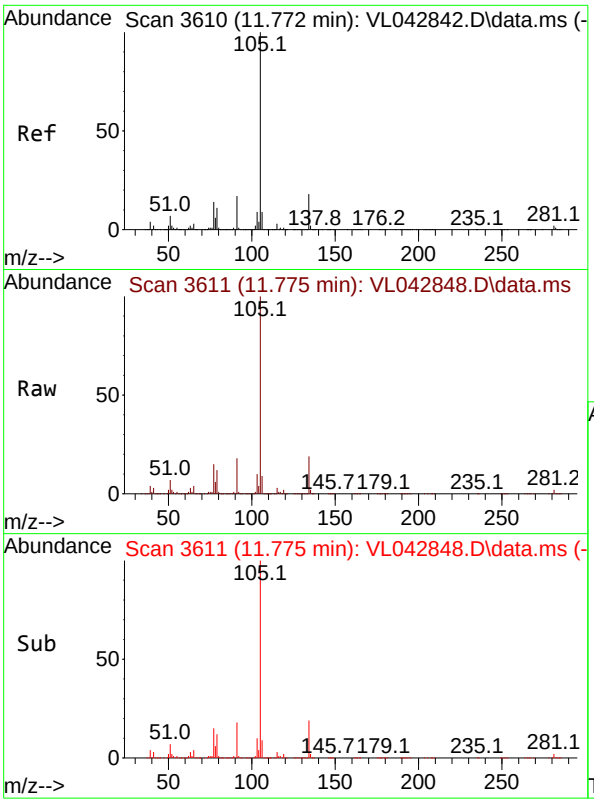


#66
Benzyl Chloride
Concen: 13.617 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 104698

Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.2	21.4
128	5.9	5.0	7.6

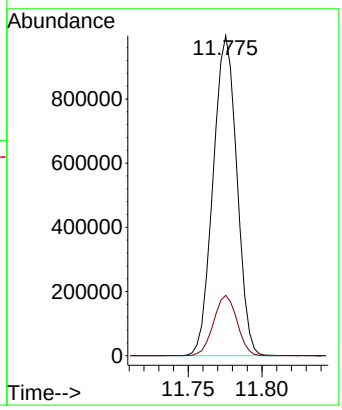




#67
sec-Butylbenzene
Concen: 13.127 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 111597

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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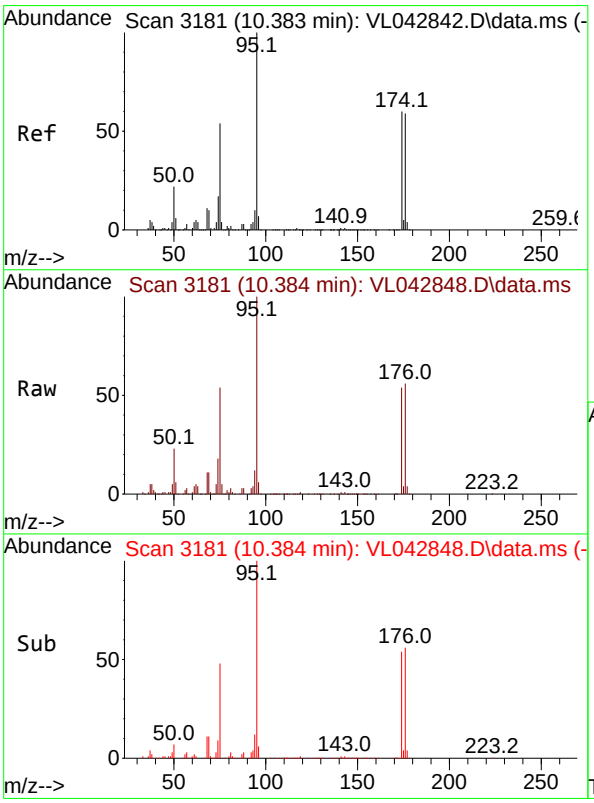
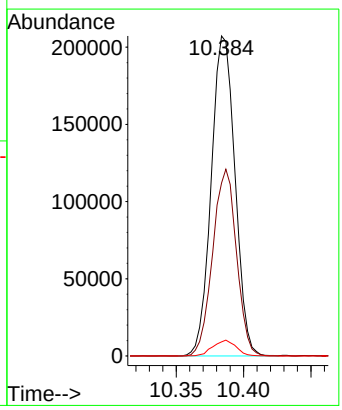
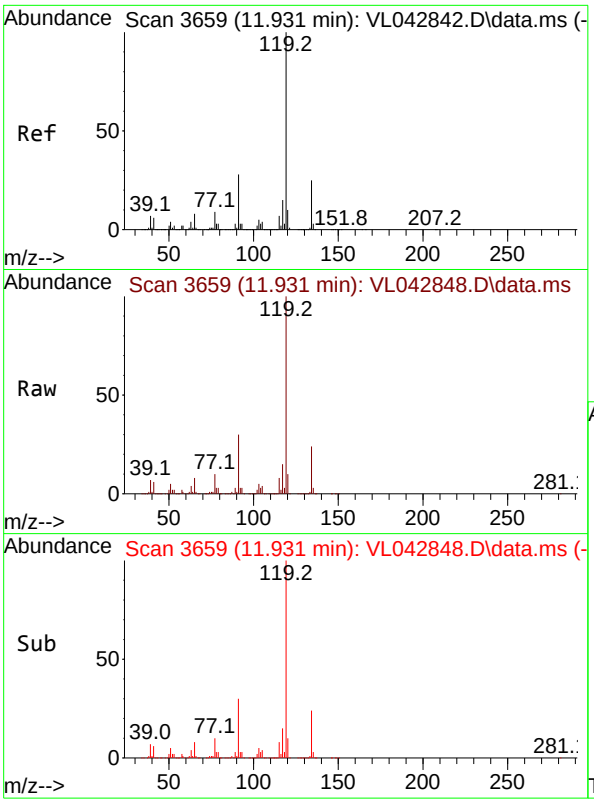


#68
1-Bromo-4-Fluorobenzene
Concen: 10.050 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 95 Resp: 254655

Ion	Ratio	Lower	Upper
95	100		
174	58.3	48.4	72.6
175	4.8	3.8	5.8

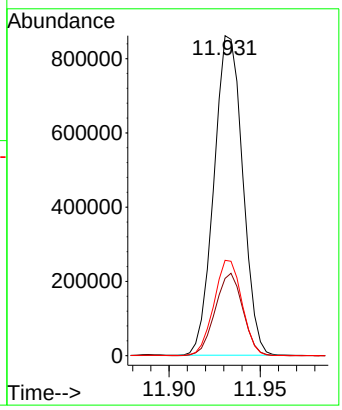




#69
p-Isopropyltoluene
Concen: 12.891 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:119 Resp: 94088

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.6	30.8
91	29.4	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
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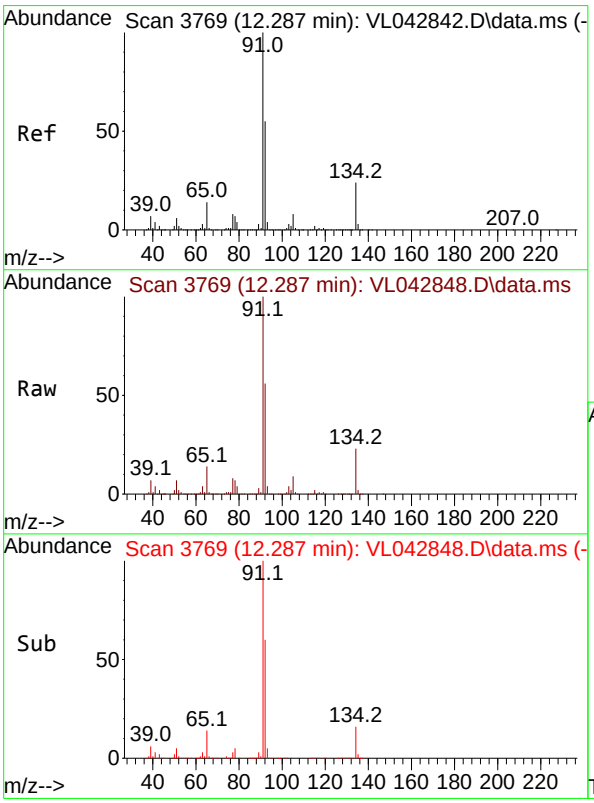
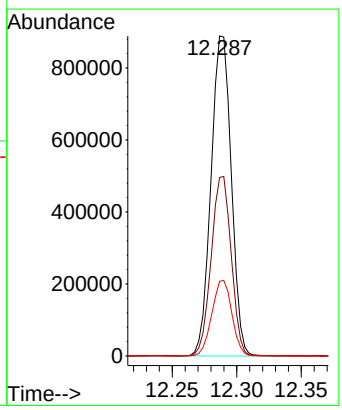
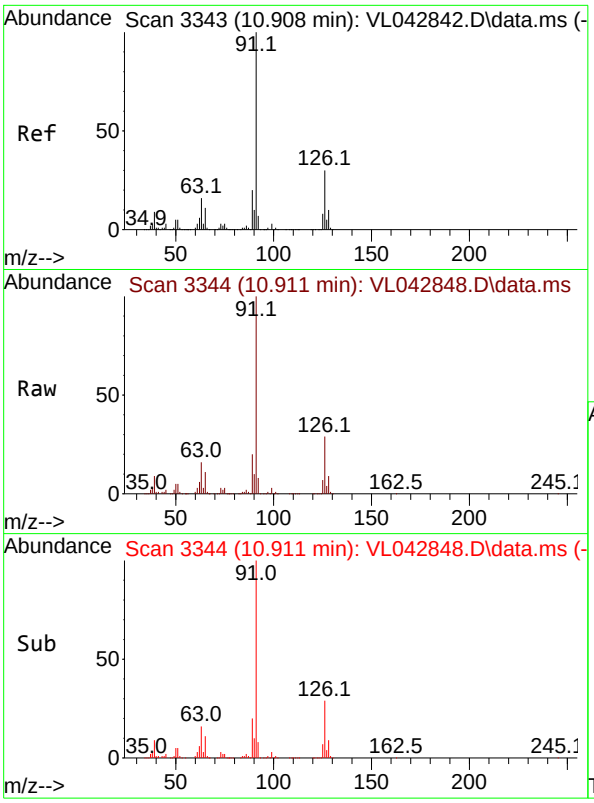


#70
n-Butylbenzene
Concen: 13.410 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 970700

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.6	66.8
134	23.3	19.0	28.4

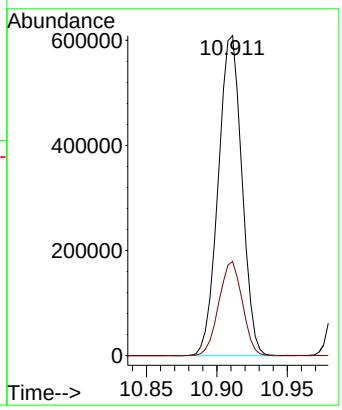




#71
2-Chlorotoluene
Concen: 13.378 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 71369

Ion	Ratio	Lower	Upper
91	100		
126	29.2	12.0	47.8



Instrument :
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ClientSampleId :
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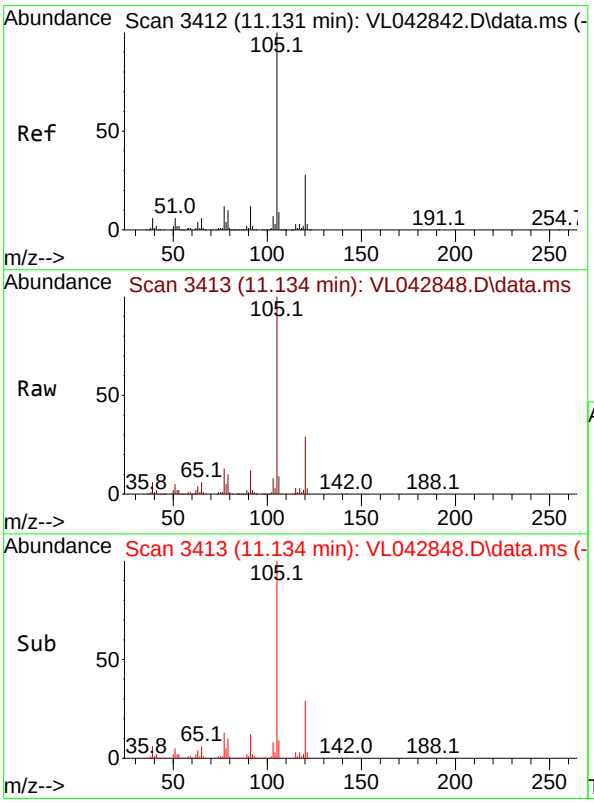
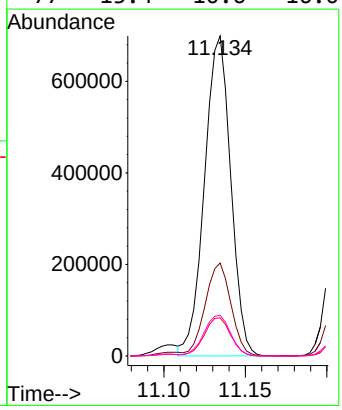
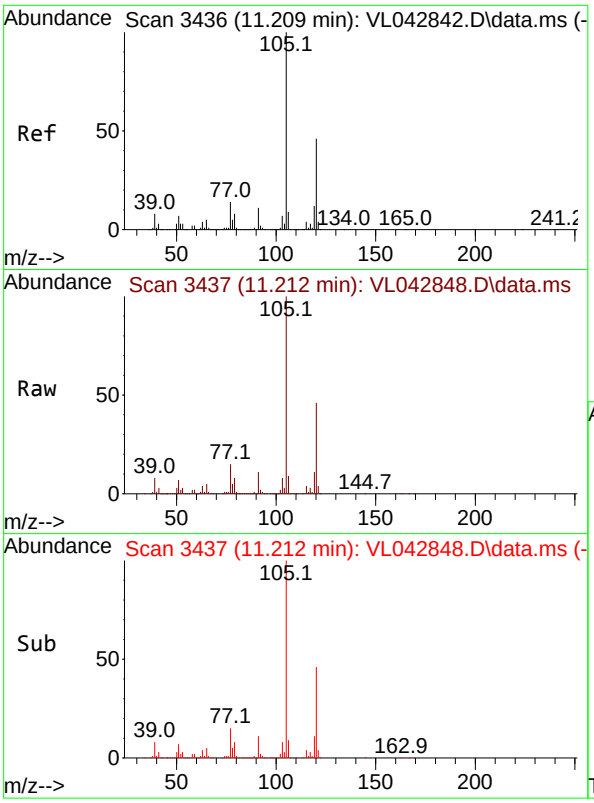


#72
4-Ethyltoluene
Concen: 13.722 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 782057

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.2
91	12.5	9.8	14.6
77	13.4	10.6	16.0

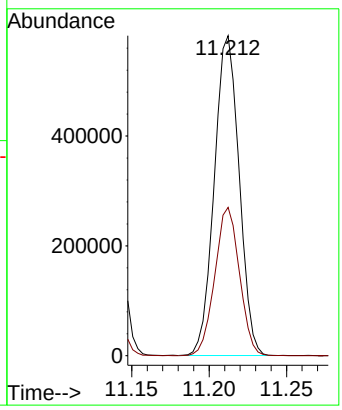




#73
1,3,5-Trimethylbenzene
Concen: 13.418 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 65028

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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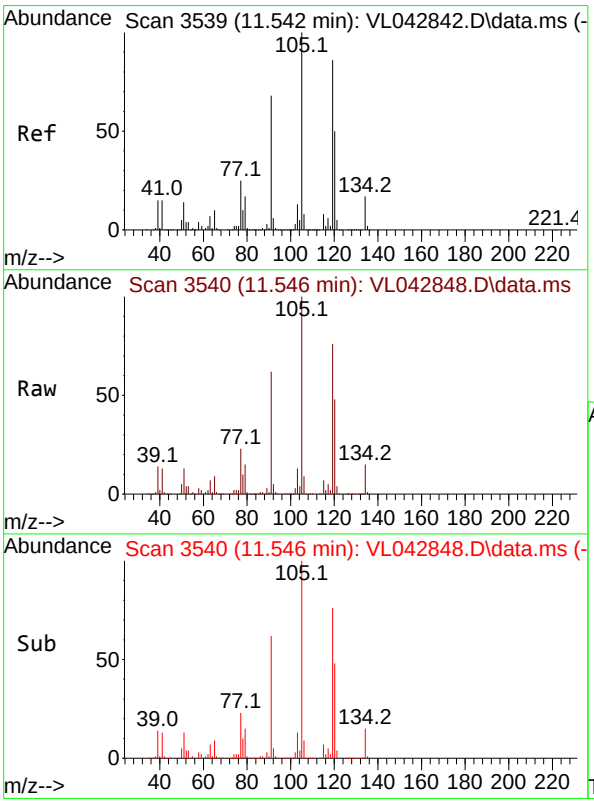
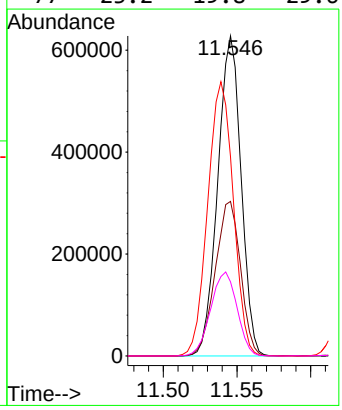
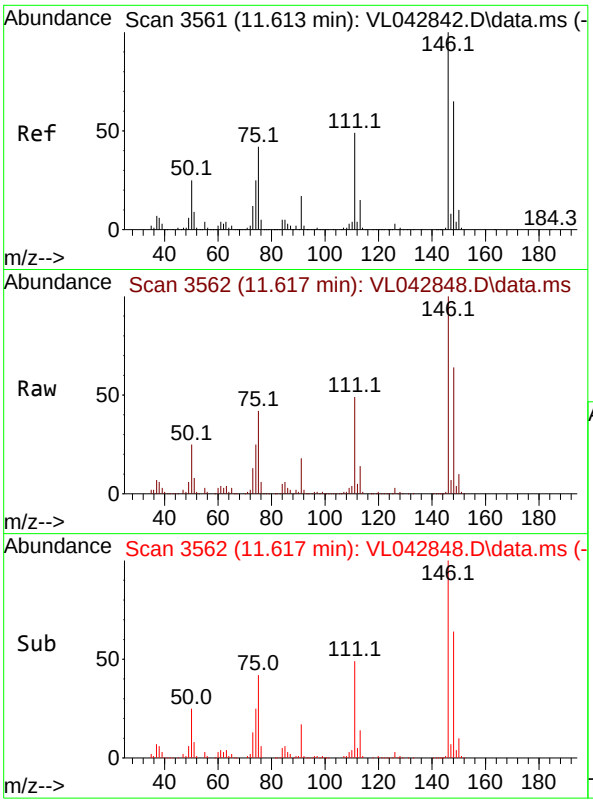


#74
1,2,4-Trimethylbenzene
Concen: 13.003 ppbv
RT: 11.546 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 691709

Ion	Ratio	Lower	Upper
105	100		
120	48.3	39.8	59.6
91	62.2	54.2	81.4
77	23.2	19.8	29.6

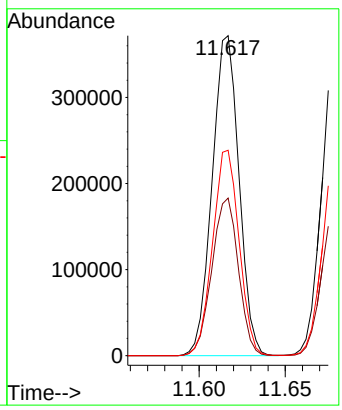




#75
1,3-Dichlorobenzene
Concen: 13.321 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:146 Resp: 40285

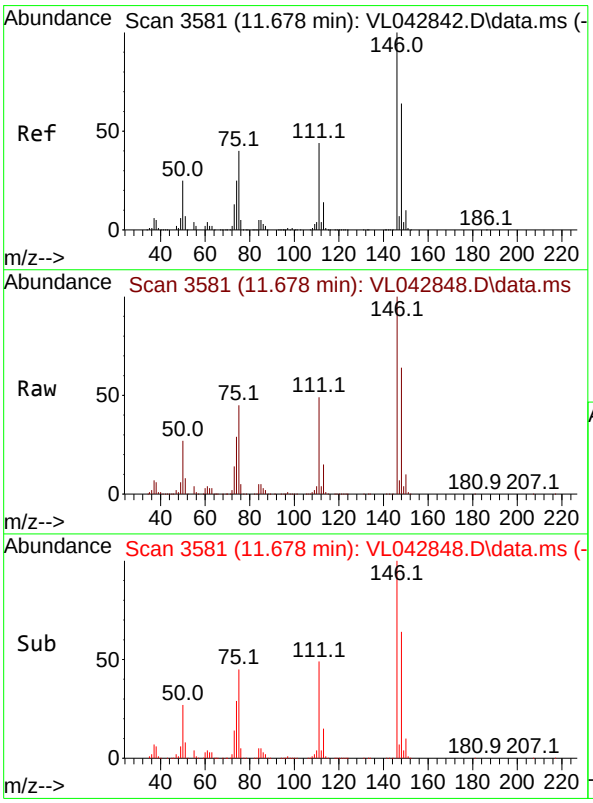
Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.9	71.7
148	63.5	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

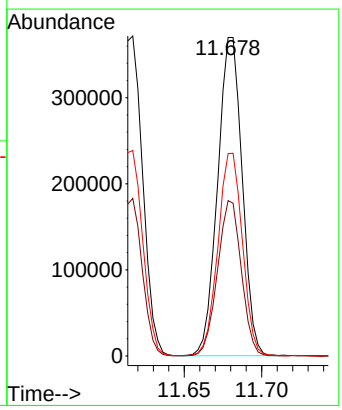
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

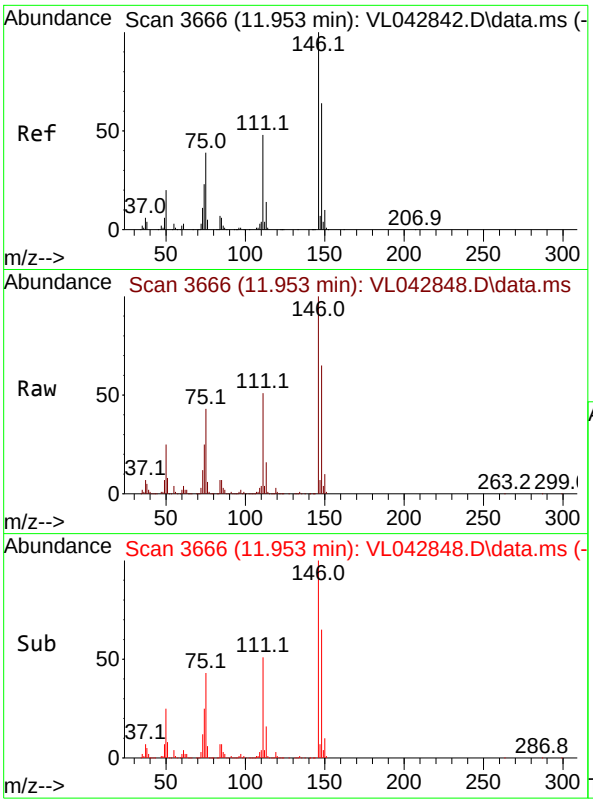


#76
1,4-Dichlorobenzene
Concen: 13.314 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:146 Resp: 407214

Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.7	68.1
148	63.8	31.8	95.3

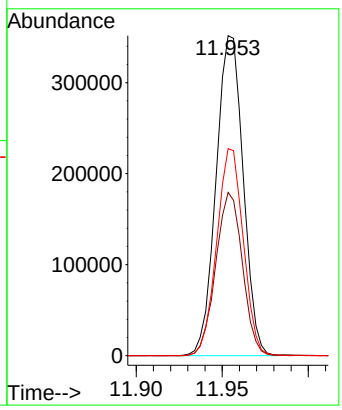




#77
1,2-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:146 Resp: 38586

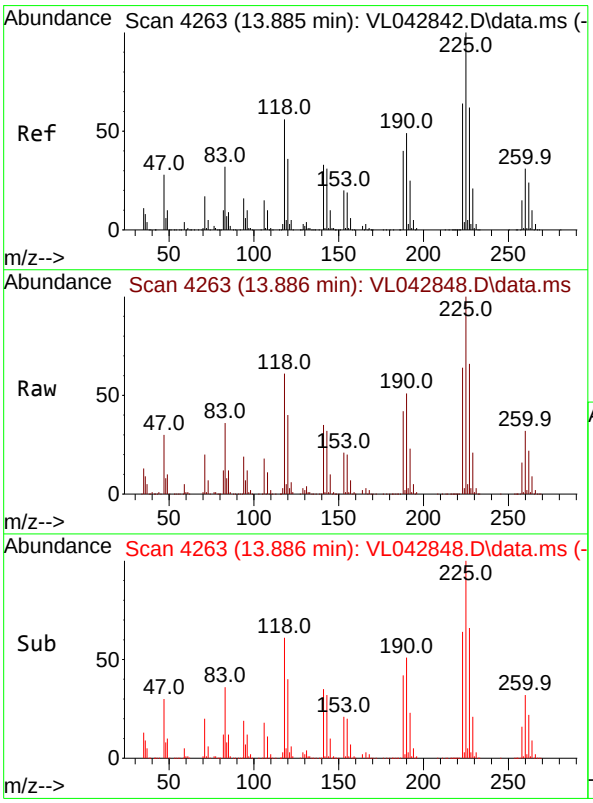
Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.6	74.0
148	63.3	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

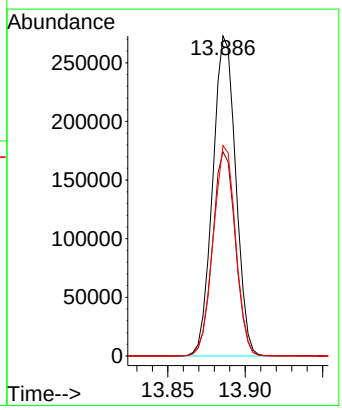
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

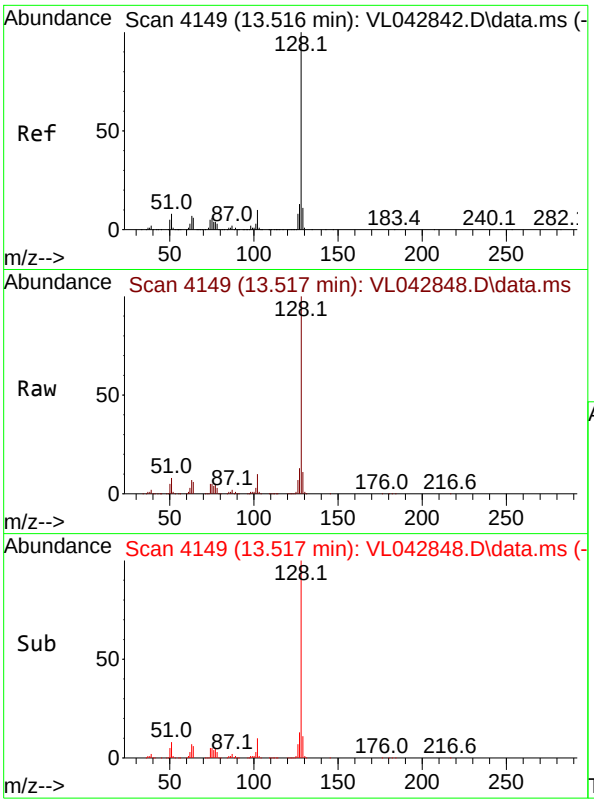


#78
Hexachloro-1,3-Butadiene
Concen: 11.602 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:225 Resp: 281581

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.4	77.2
227	64.2	51.9	77.9

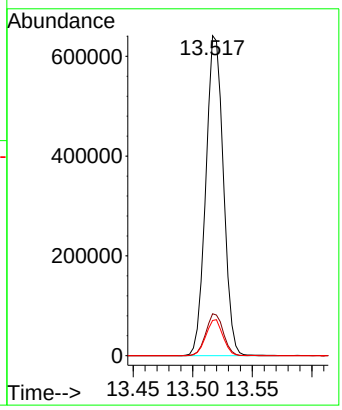




#79
Naphthalene
Concen: 13.837 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:128 Resp: 65873

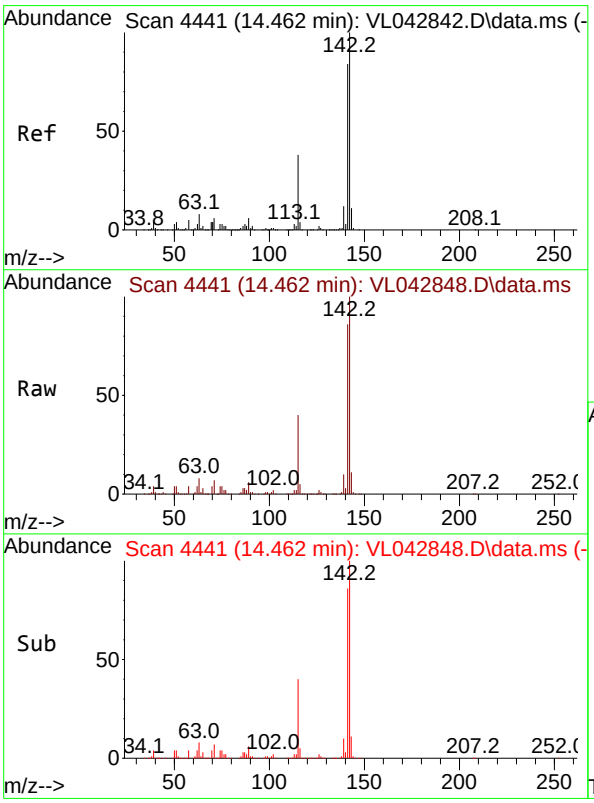
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

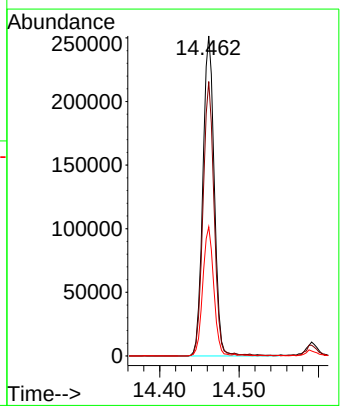
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

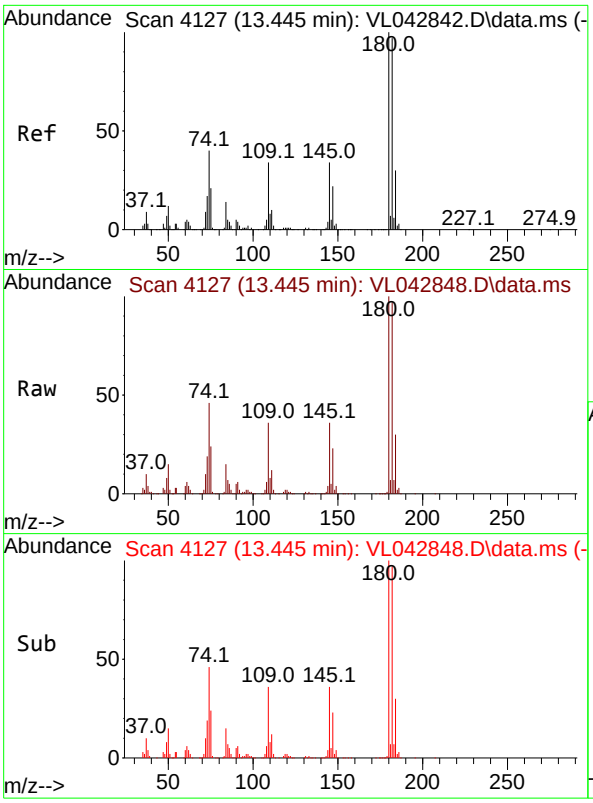


#80
Naphthalene,2-methyl-
Concen: 14.042 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:142 Resp: 251753

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	39.3	30.9	46.3

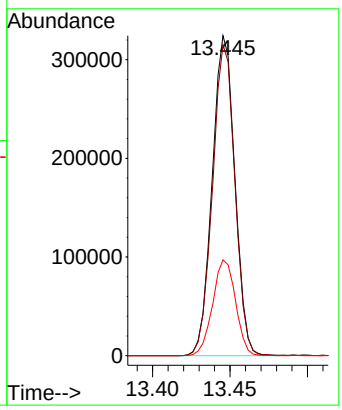




#81
1,2,4-Trichlorobenzene
Concen: 13.599 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:180 Resp: 32964

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.9	115.3
184	30.3	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	122486	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	374448	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	333493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	252268	10.086	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	163446	9.105	ppbv	96
3) Chlorodifluoromethane	1.476	51	185078	9.327	ppbv	100
4) Chloromethane	1.535	50	63634	8.784	ppbv	100
5) Vinyl Chloride	1.583	62	58729	8.232	ppbv	96
6) Bromomethane	1.670	94	25105	8.801	ppbv	97
7) Chloroethane	1.706	64	23293	8.360	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	135845	9.248	ppbv	99
9) Propene	1.483	41	76457	8.922	ppbv	97
10) Heptane	4.988	43	206333	8.990	ppbv	99
11) Trichlorofluoromethane	1.881	101	154211	8.707	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	124558	8.824	ppbv	99
13) Ethanol	1.722	45	6016	7.678	ppbv	96
14) Bromoethene	1.784	108	46528	9.105	ppbv	98
15) Acetone	1.839	43	119723	7.389	ppbv	99
16) 1,3-Butadiene	1.612	39	60853	8.285	ppbv	99
17) tert-Butyl alcohol	2.043	59	166457	8.663	ppbv	99
18) 1,1-Dichloroethene	2.036	96	56397	9.087	ppbv	94
19) Isopropyl Alcohol	1.887	45	78832	8.146	ppbv	98
20) Methylene Chloride	2.065	84	47793	7.041	ppbv	90
21) Allyl Chloride	2.098	41	102514	8.956	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	63932	8.904	ppbv	95
23) Vinyl Acetate	2.467	43	198083	8.891	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	127660	8.903	ppbv	99
25) Ethyl Acetate	2.839	43	362325	9.240	ppbv	99
26) Hexane	2.829	57	167364	9.246	ppbv	97
27) Carbon Disulfide	2.153	76	155729	8.841	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	82126	8.898	ppbv	92
29) Chloroform	2.855	83	242320	9.377	ppbv	99
30) Cyclohexane	3.865	84	147417	9.289	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	166268	9.196	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	252813	9.256	ppbv	99
34) 2-Butanone	2.561	43	230961	9.135	ppbv	100
35) Carbon Tetrachloride	3.771	117	244671	9.478	ppbv	95
36) Benzene	3.664	78	343952	9.592	ppbv	98
37) 1,2-Dichloroethane	3.224	62	187160	9.991	ppbv	100
38) Trichloroethene	4.558	130	150693	9.202	ppbv	96
39) 1,2-Dichloropropane	4.324	63	123566	9.436	ppbv	97
40) 1,4-Dioxane	4.590	88	55292	8.879	ppbv #	93
41) Tetrahydrofuran	3.059	42	132108	9.372	ppbv	99
42) Bromodichloromethane	4.499	83	270154	9.678	ppbv	99
43) Methyl Methacrylate	4.888	69	136329	9.229	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	565415	9.290	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	160784	9.645	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	199988m	9.628	ppbv		
47) 1,1,2-Trichloroethane	6.597	97	132548	9.553	ppbv		99
48) Dibromochloromethane	7.399	129	217970	9.708	ppbv		100
49) Bromoform	9.493	173	174914	9.446	ppbv		99
50) 4-Methyl-2-Pentanone	5.765	43	322264	9.430	ppbv		100
51) 2-Hexanone	7.445	43	263321	9.791	ppbv	#	98
52) Tetrachloroethene	8.234	164	110828	8.544	ppbv		89
53) Toluene	6.946	91	398138	9.340	ppbv		100
54) 1,2-Dibromoethane	7.665	107	193340	9.535	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.937	131	160225	9.291	ppbv		99
57) Chlorobenzene	8.933	112	297375	9.378	ppbv		97
58) Ethyl Benzene	9.364	91	554015	9.414	ppbv		100
59) m/p-Xylene	9.561	91	865106m	18.754	ppbv		
60) o-Xylene	9.972	91	428721	9.239	ppbv		99
61) Styrene	9.879	104	203858	9.377	ppbv		100
62) Isopropylbenzene	10.549	105	624287	9.206	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.972	83	225237	8.826	ppbv		100
64) n-propylbenzene	10.998	120	158234	9.145	ppbv		97
65) tert-Butylbenzene	11.539	119	534795	8.946	ppbv		98
66) Benzyl Chloride	11.623	91	68533	9.031	ppbv		99
67) sec-Butylbenzene	11.775	105	762602	9.088	ppbv		100
69) p-Isopropyltoluene	11.934	119	634670	8.810	ppbv		98
70) n-Butylbenzene	12.287	91	647453	9.062	ppbv		99
71) 2-Chlorotoluene	10.908	91	485171	9.214	ppbv		98
72) 4-Ethyltoluene	11.131	105	525262	9.338	ppbv		100
73) 1,3,5-Trimethylbenzene	11.212	105	435705	9.108	ppbv		98
74) 1,2,4-Trimethylbenzene	11.542	105	469573	8.943	ppbv		94
75) 1,3-Dichlorobenzene	11.613	146	274876	9.209	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	270976	8.976	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	255347	8.736	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	186318	7.778	ppbv		97
79) Naphthalene	13.520	128	441940	9.284	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	145644	8.188	ppbv		98
81) 1,2,4-Trichlorobenzene	13.445	180	215715	9.016	ppbv		99

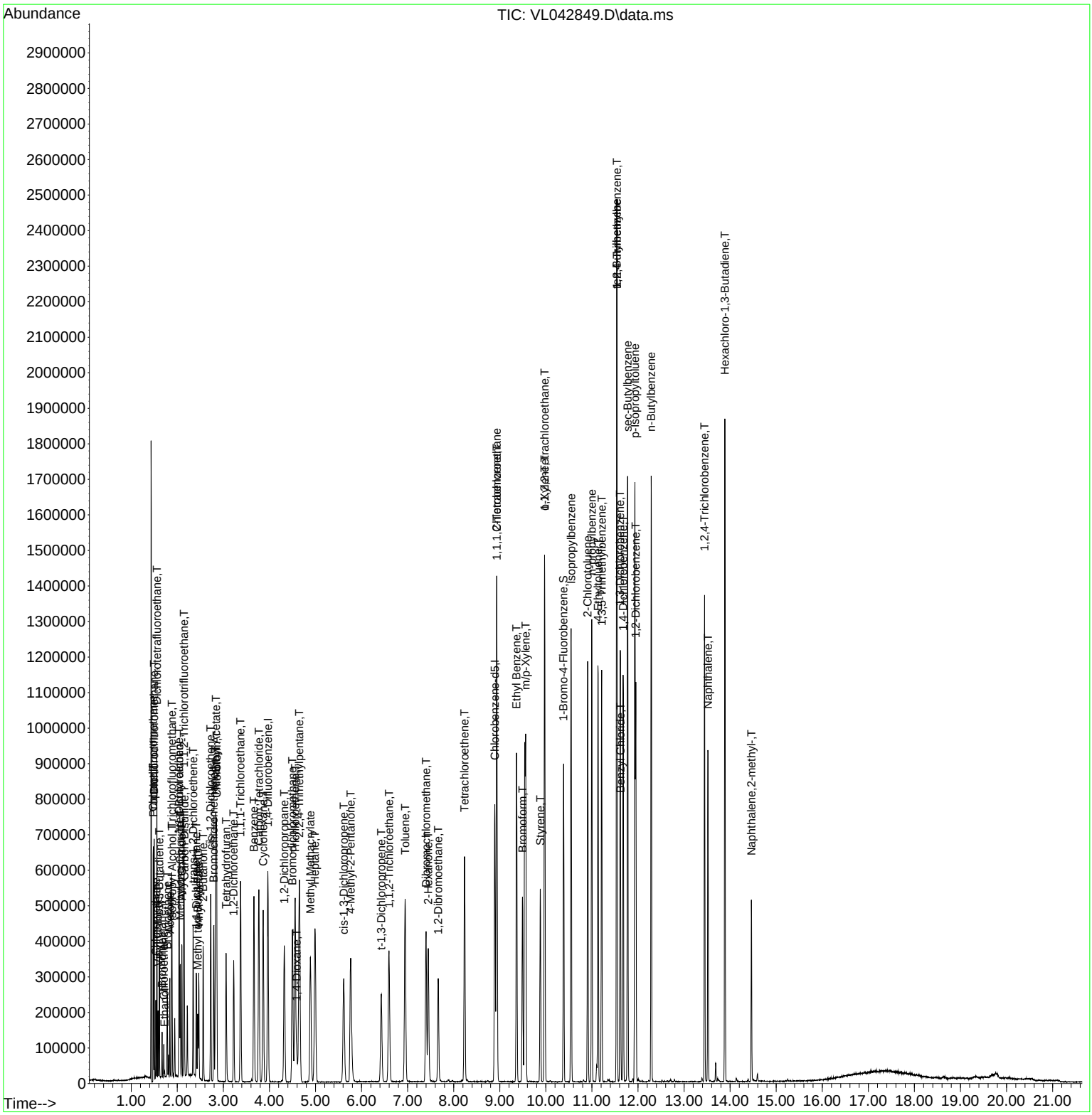
(#) = qualifier out of range (m) = manual integration (+) = signals summed

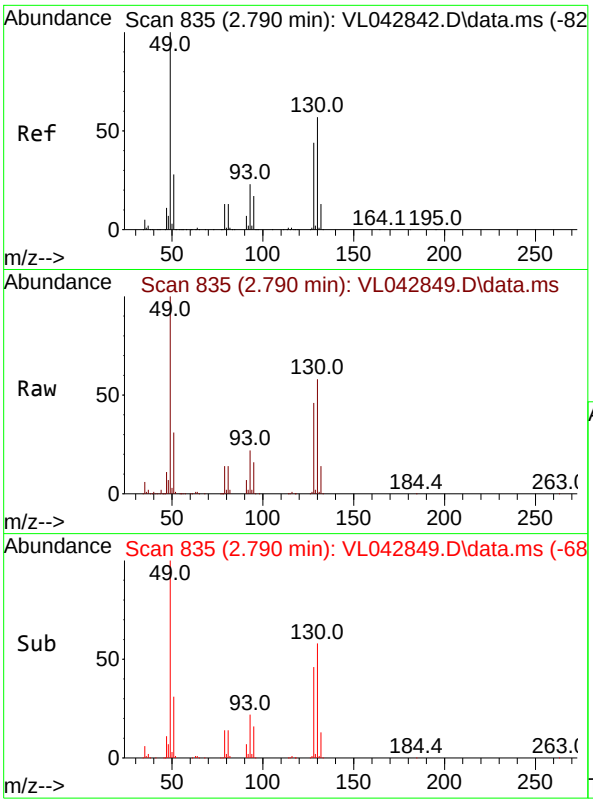
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

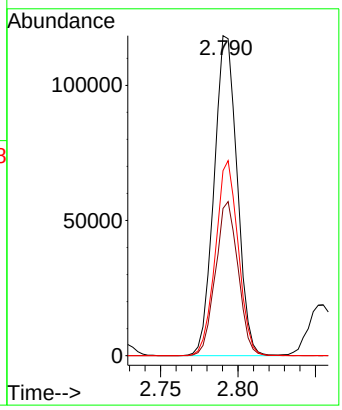




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 49 Resp: 12248

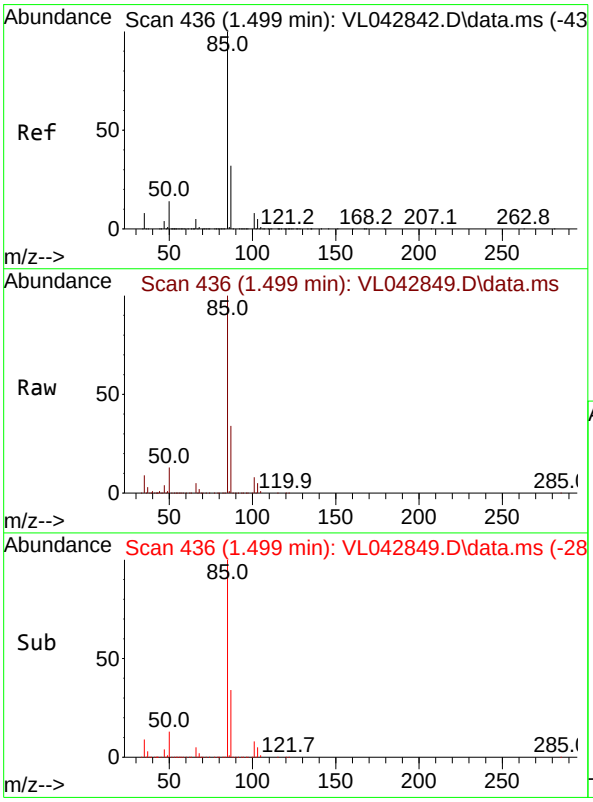
Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.7	71.1
130	60.0	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations
APPROVED

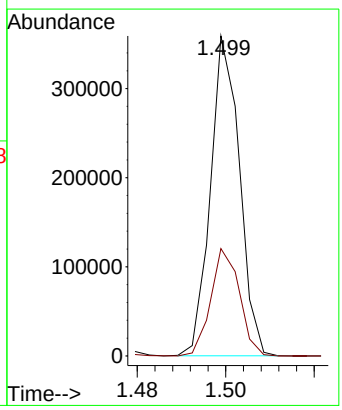
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

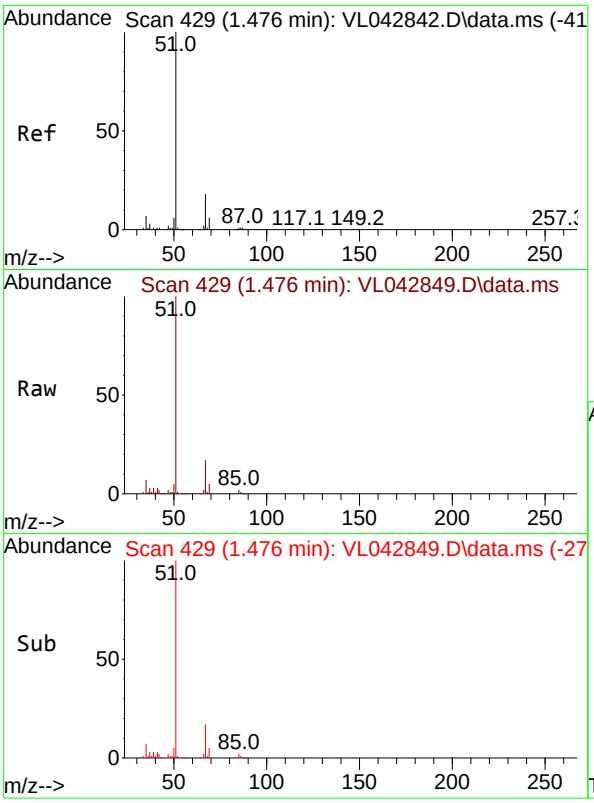


#2
Dichlorodifluoromethane
Concen: 9.105 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 85 Resp: 163446

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.3	37.9

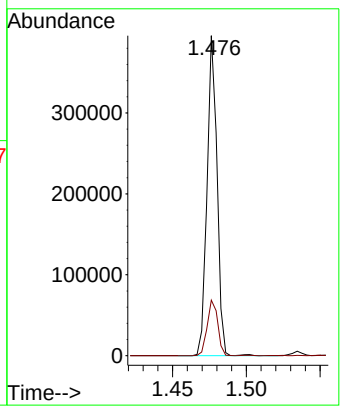




#3
Chlorodifluoromethane
Concen: 9.327 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 51 Resp: 18507

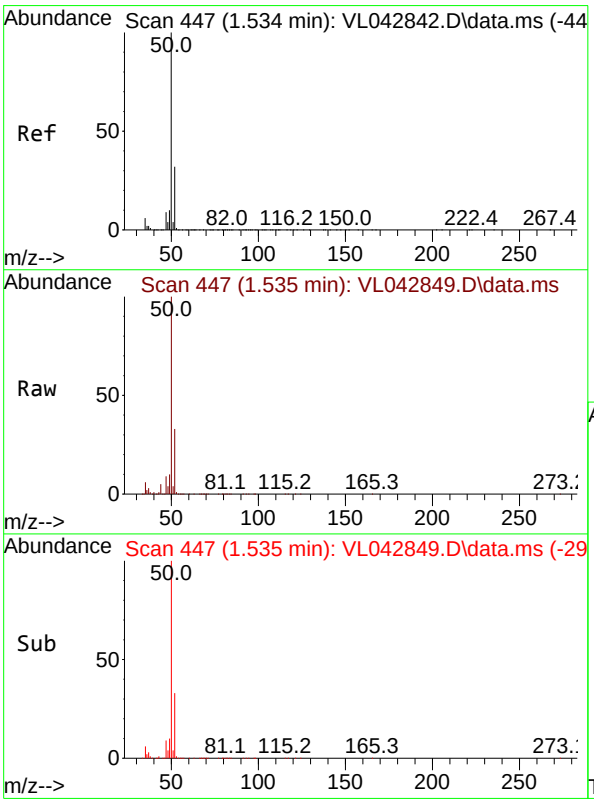
Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations
APPROVED

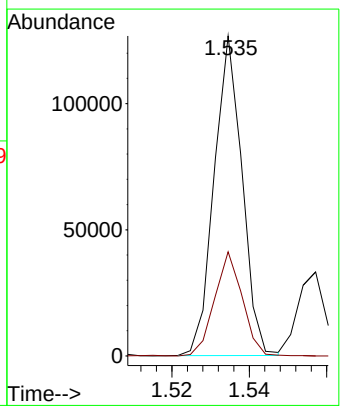
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

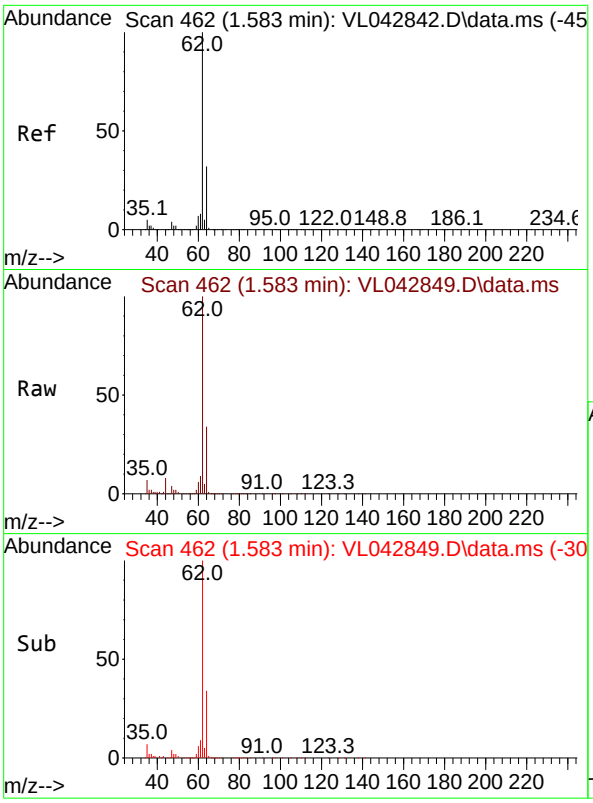


#4
Chloromethane
Concen: 8.784 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 50 Resp: 63634

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.9	38.9

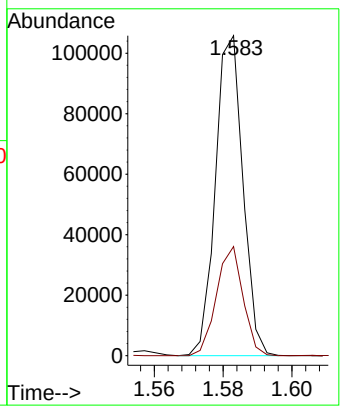




#5
Vinyl Chloride
Concen: 8.232 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 62 Resp: 5872

Ion	Ratio	Lower	Upper
62	100		
64	34.1	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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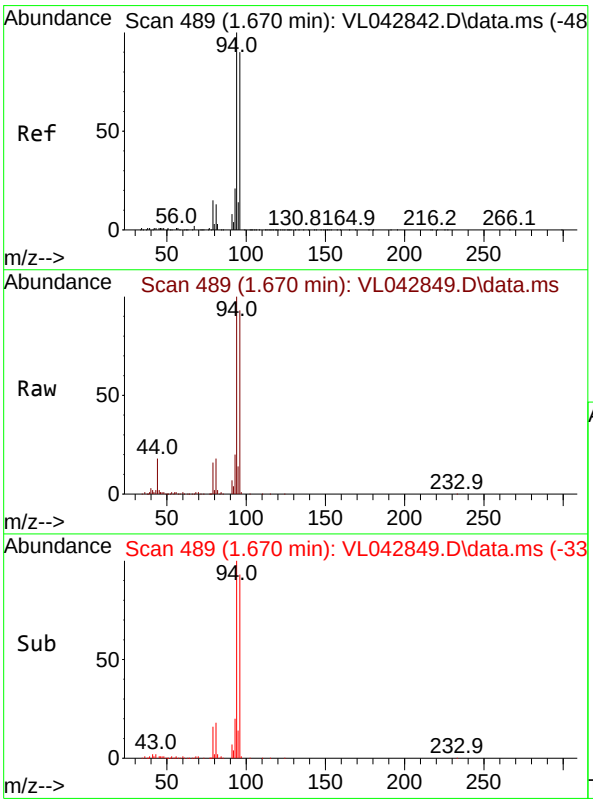
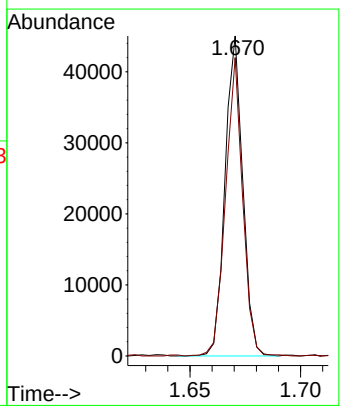
Supervised By :Mahesh Dadoda 08/18/2025

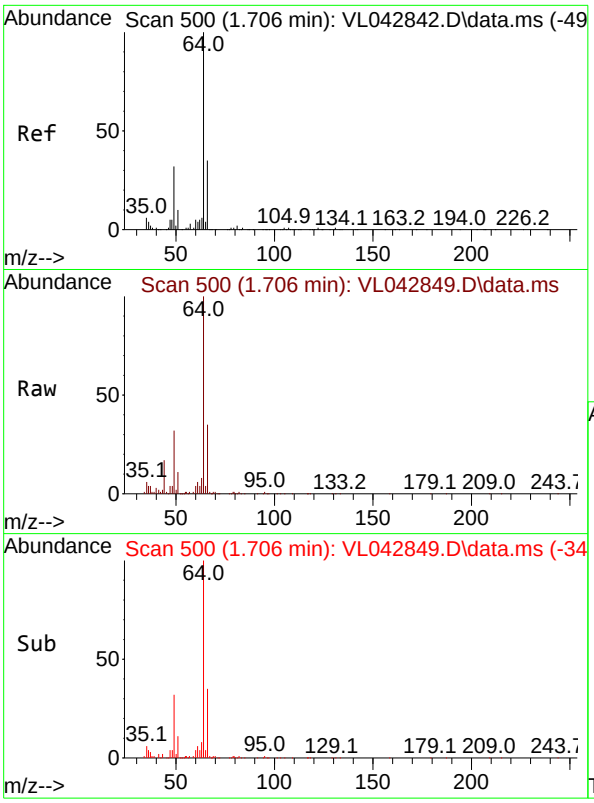


#6
Bromomethane
Concen: 8.801 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 94 Resp: 25105

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.1	108.1

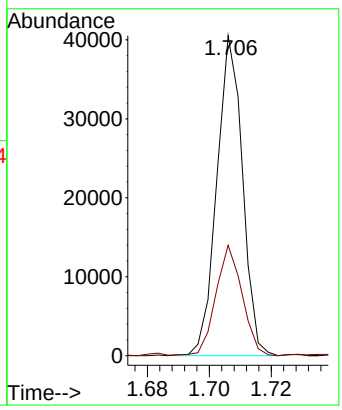




#7
Chloroethane
Concen: 8.360 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 64 Resp: 2329

Ion	Ratio	Lower	Upper
64	100		
66	34.5	28.6	42.8



Instrument :
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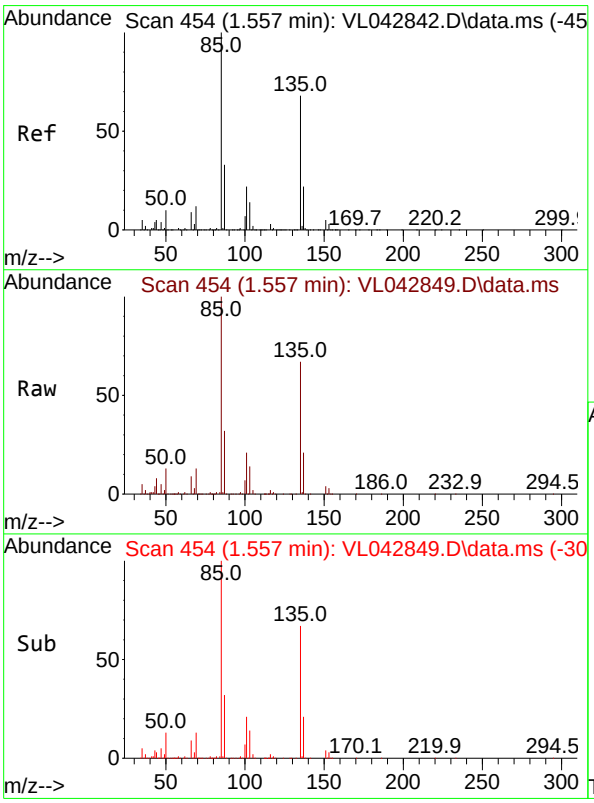
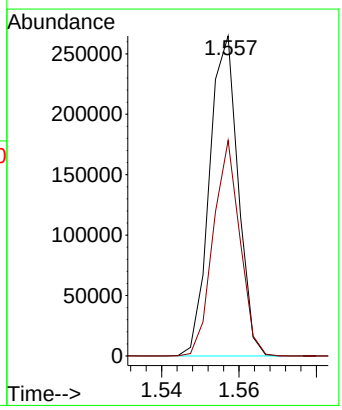
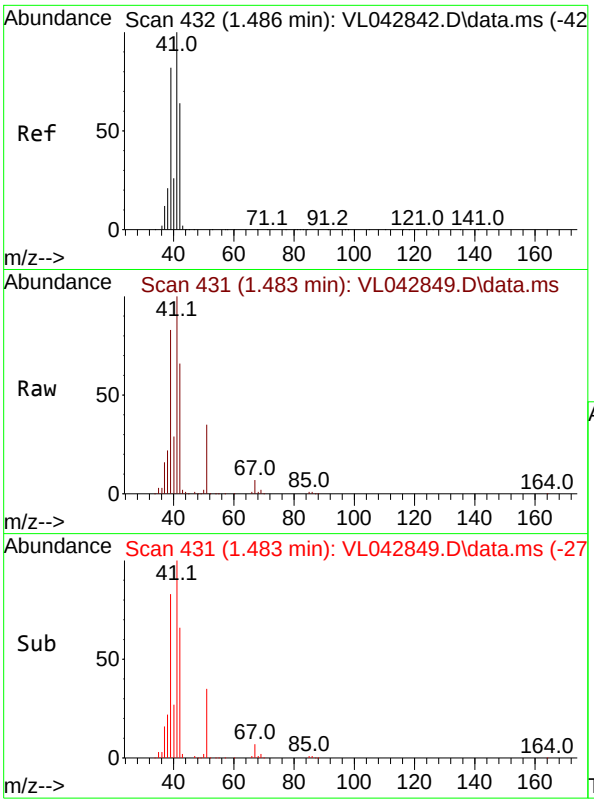


#8
Dichlorotetrafluoroethane
Concen: 9.248 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 85 Resp: 135845

Ion	Ratio	Lower	Upper
85	100		
135	62.9	51.2	76.8

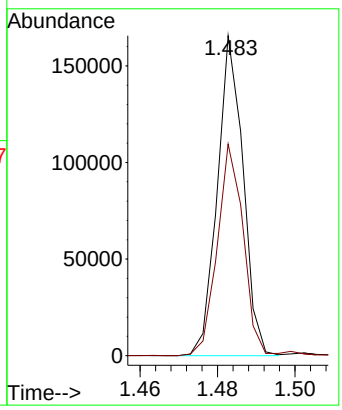




#9
Propene
Concen: 8.922 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 41 Resp: 7645

Ion	Ratio	Lower	Upper
41	100		
42	68.4	53.0	79.4



Instrument :
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ClientSampleId :
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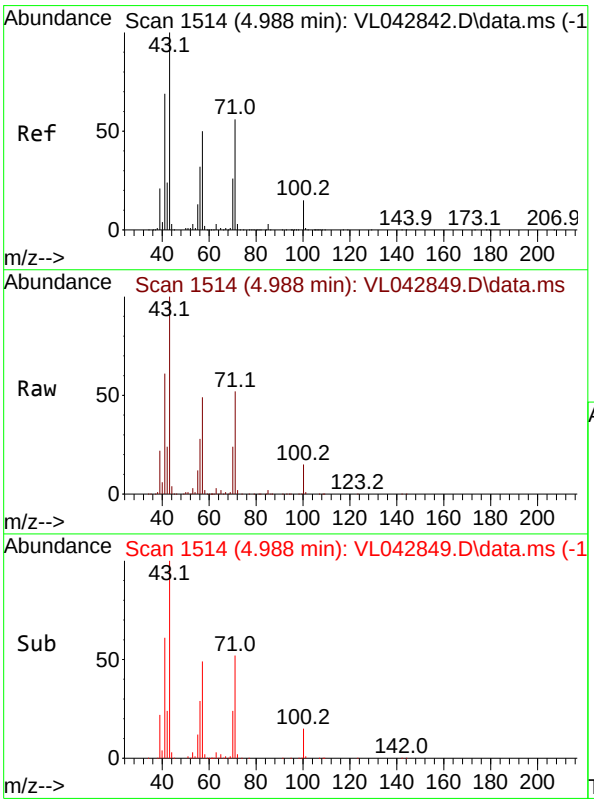
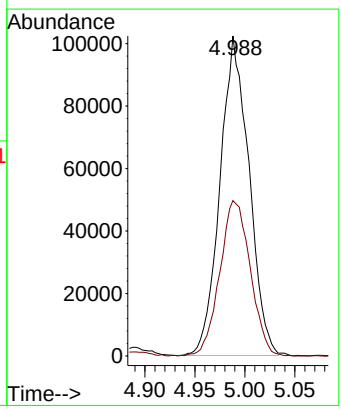
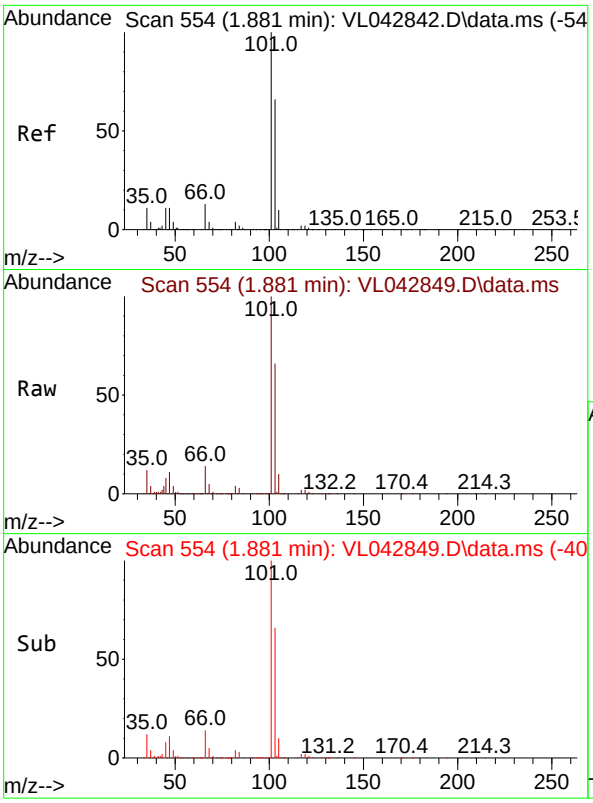


#10
Heptane
Concen: 8.990 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 206333

Ion	Ratio	Lower	Upper
43	100		
57	51.2	41.4	62.0

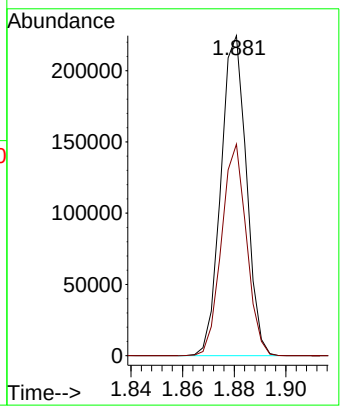




#11
Trichlorofluoromethane
Concen: 8.707 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:101 Resp: 15421

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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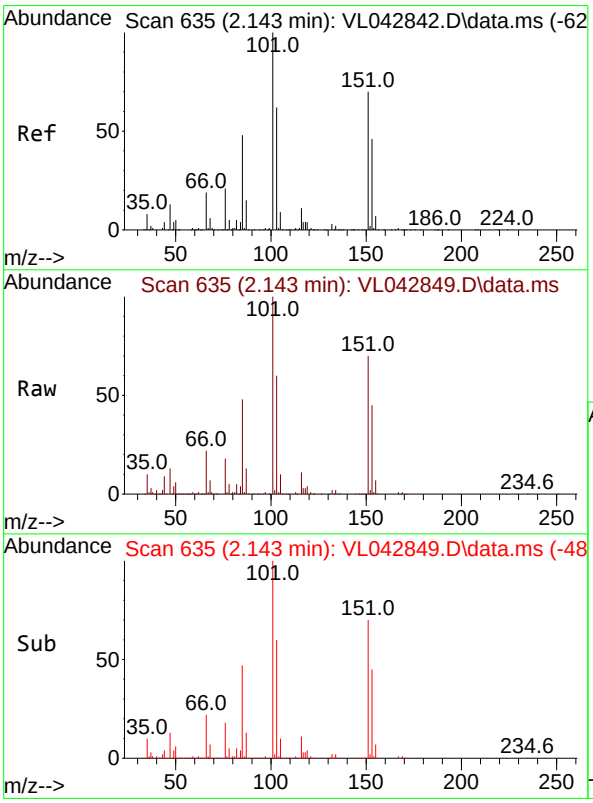
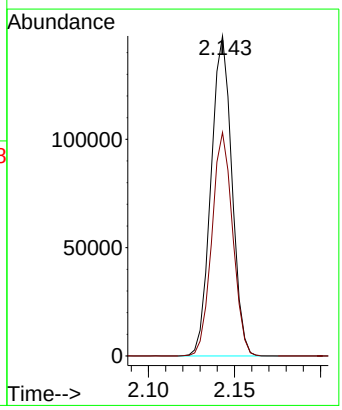
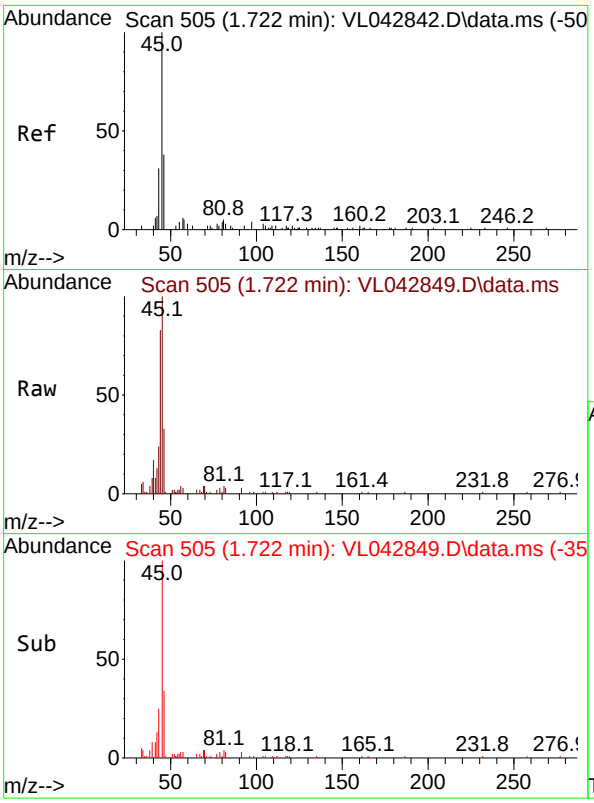


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.824 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:101 Resp: 124558

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6

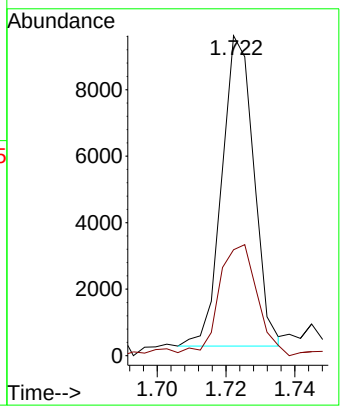




#13
Ethanol
Concen: 7.678 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 45 Resp: 601(

Ion	Ratio	Lower	Upper
45	100		
46	46.2	17.5	69.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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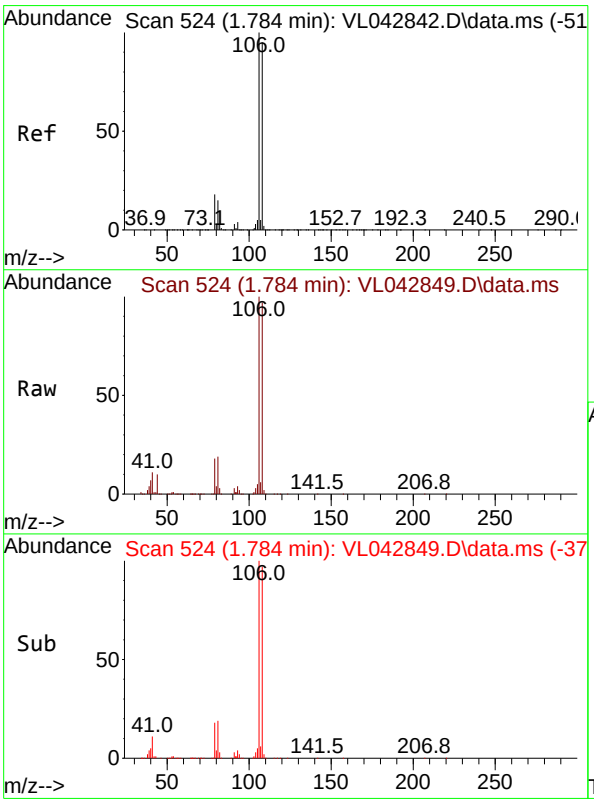
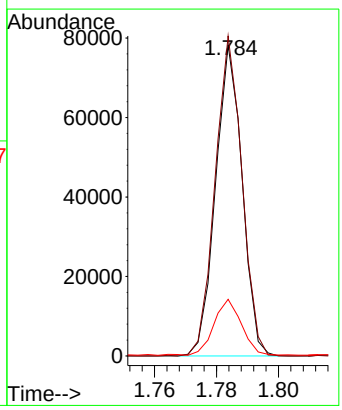
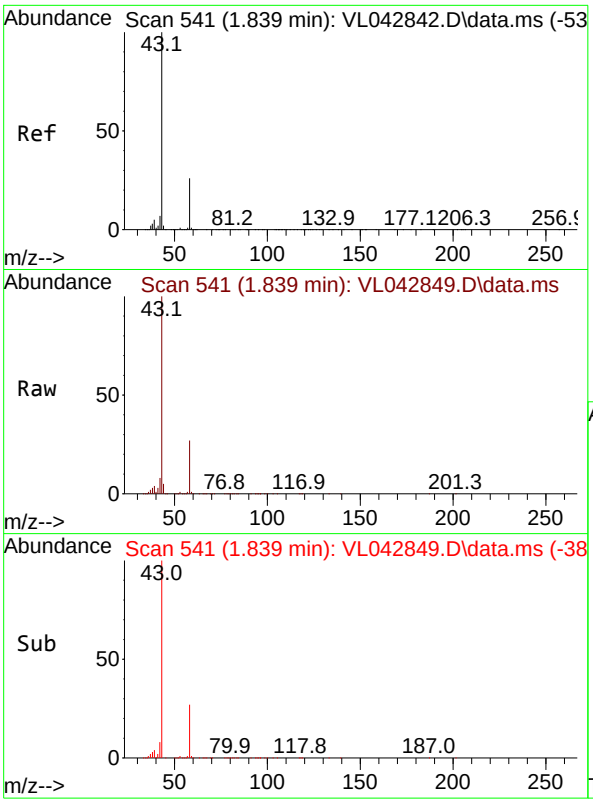


#14
Bromoethene
Concen: 9.105 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:108 Resp: 46528

Ion	Ratio	Lower	Upper
108	100		
106	104.1	85.1	127.7
79	19.8	16.3	24.5

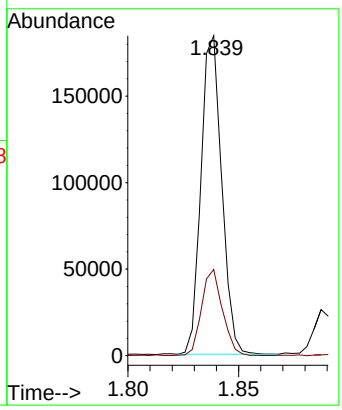




#15
Acetone
Concen: 7.389 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 11972

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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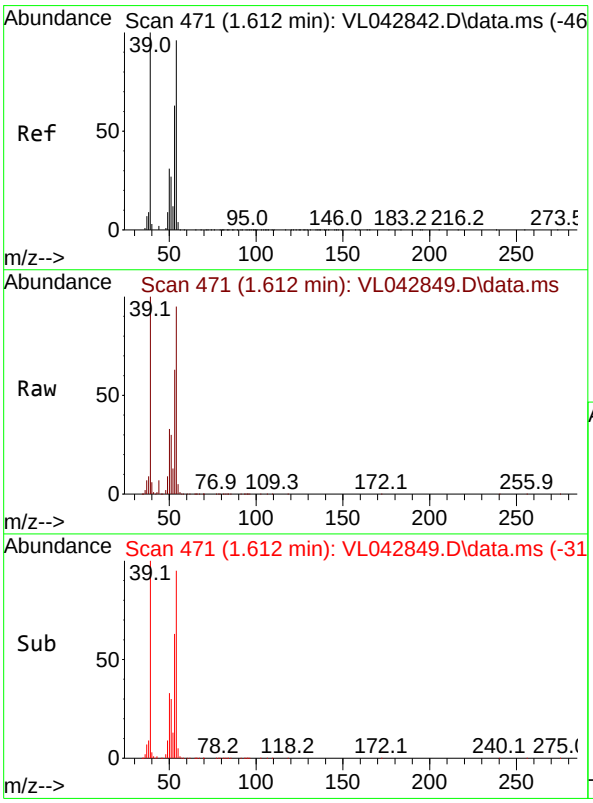
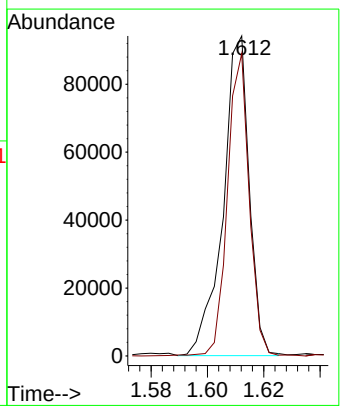
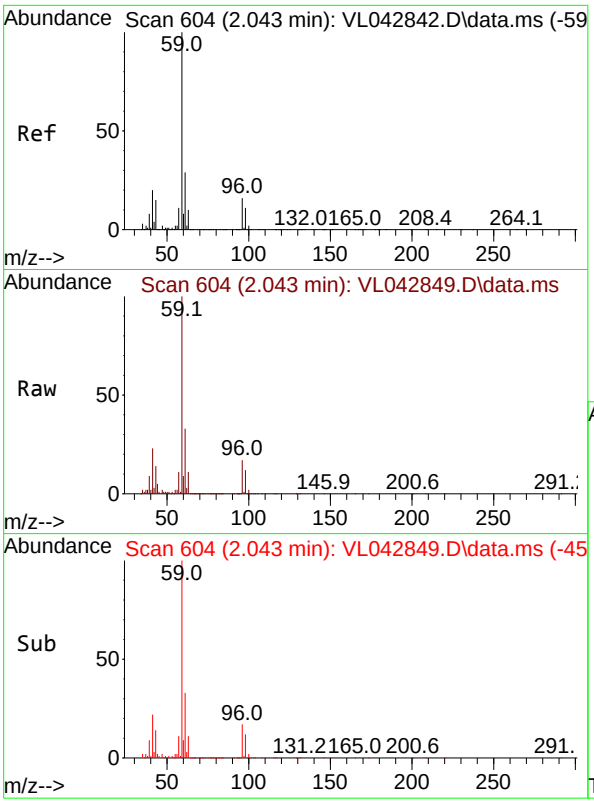


#16
1,3-Butadiene
Concen: 8.285 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 39 Resp: 60853

Ion	Ratio	Lower	Upper
39	100		
54	78.9	63.6	95.4

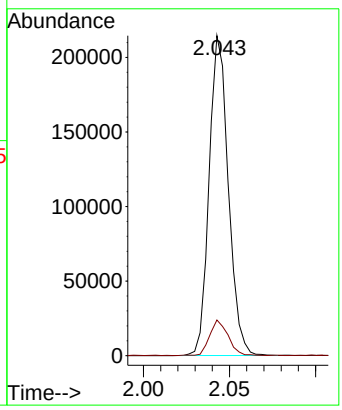




#17
tert-Butyl alcohol
Concen: 8.663 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 59 Resp: 16645

Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4



Instrument :
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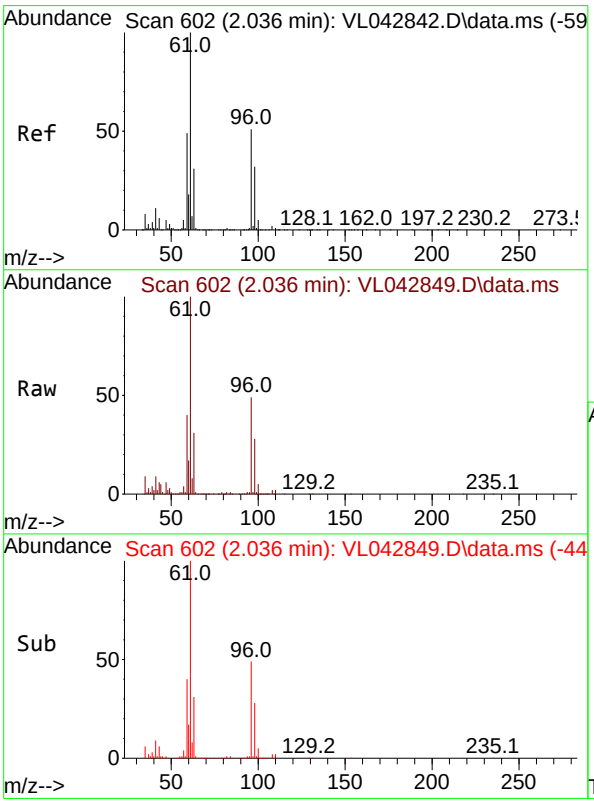
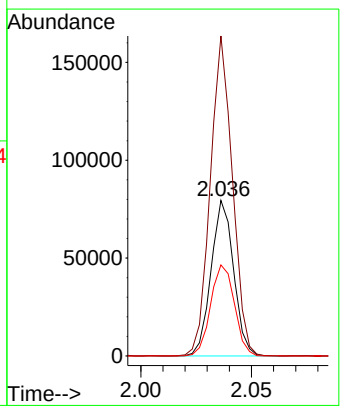
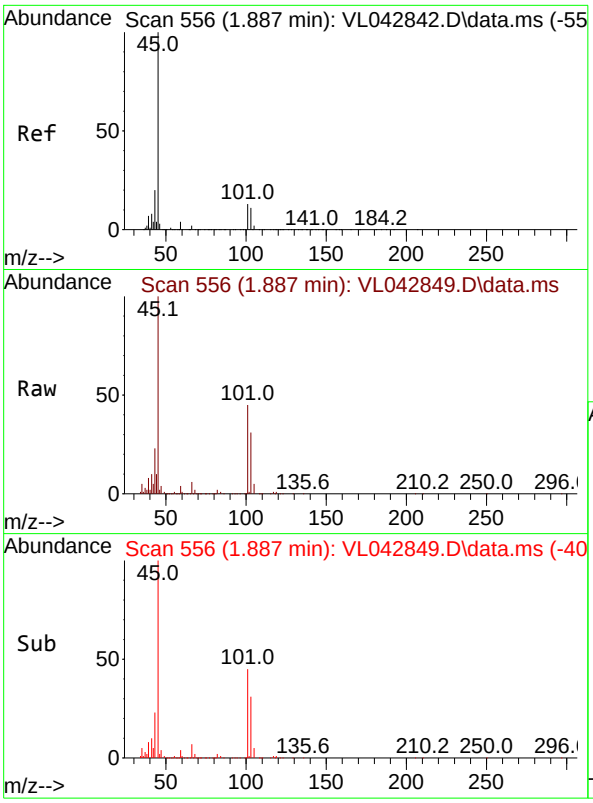


#18
1,1-Dichloroethene
Concen: 9.087 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 96 Resp: 56397

Ion	Ratio	Lower	Upper
96	100		
61	205.8	158.2	237.4
98	58.5	50.6	76.0

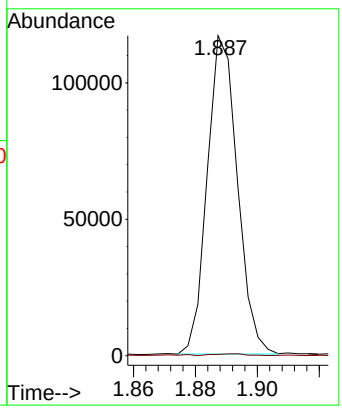




#19
Isopropyl Alcohol
Concen: 8.146 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 45 Resp: 7883

Ion	Ratio	Lower	Upper
45	100		
58	42.0	32.7	49.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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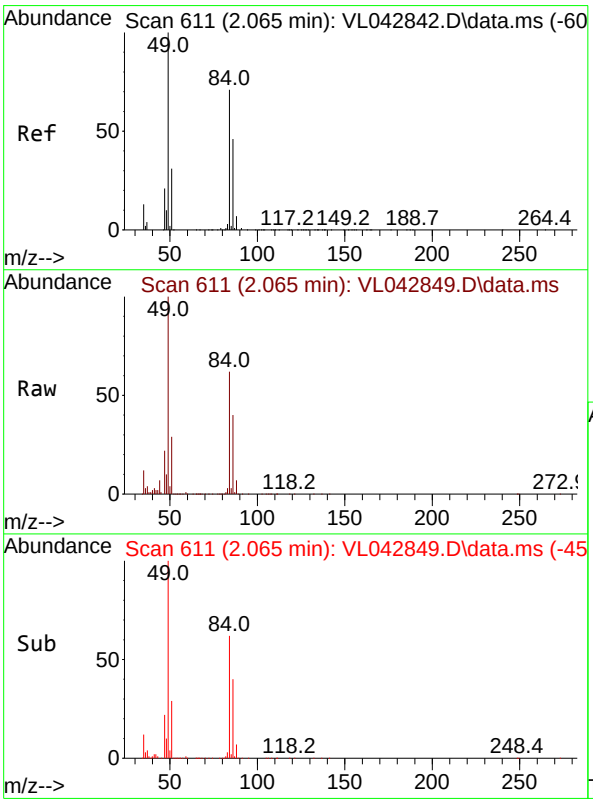
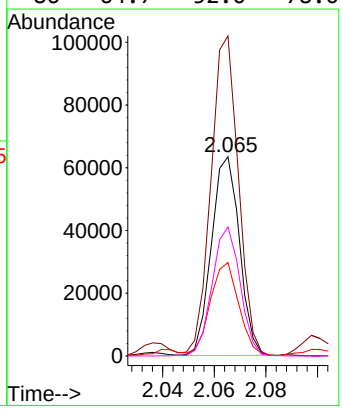
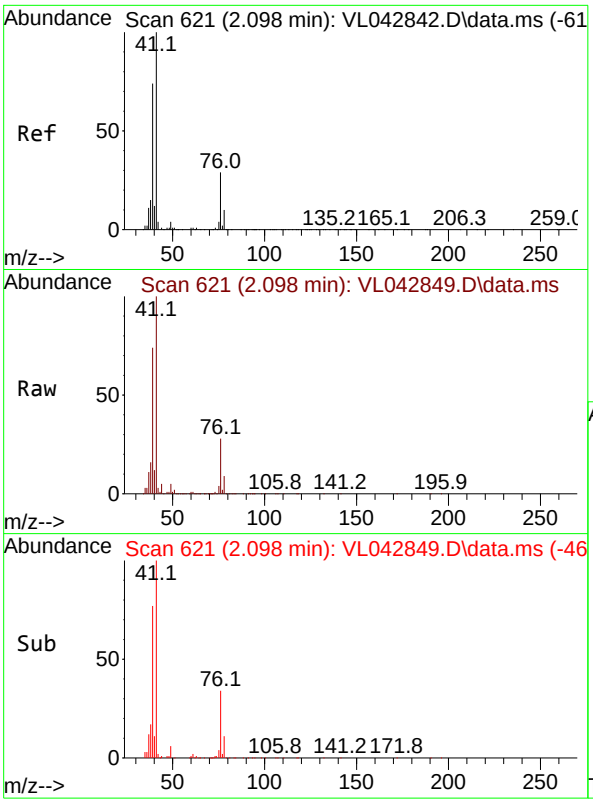


#20
Methylene Chloride
Concen: 7.041 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 84 Resp: 47793

Ion	Ratio	Lower	Upper
84	100		
49	160.7	112.3	168.5
51	46.9	36.0	54.0
86	64.7	52.0	78.0

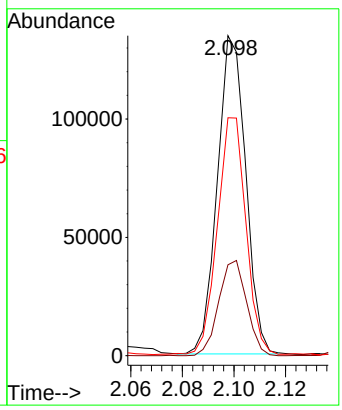




#21
Allyl Chloride
Concen: 8.956 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 41 Resp: 10251

Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.9	35.9
39	76.1	57.8	86.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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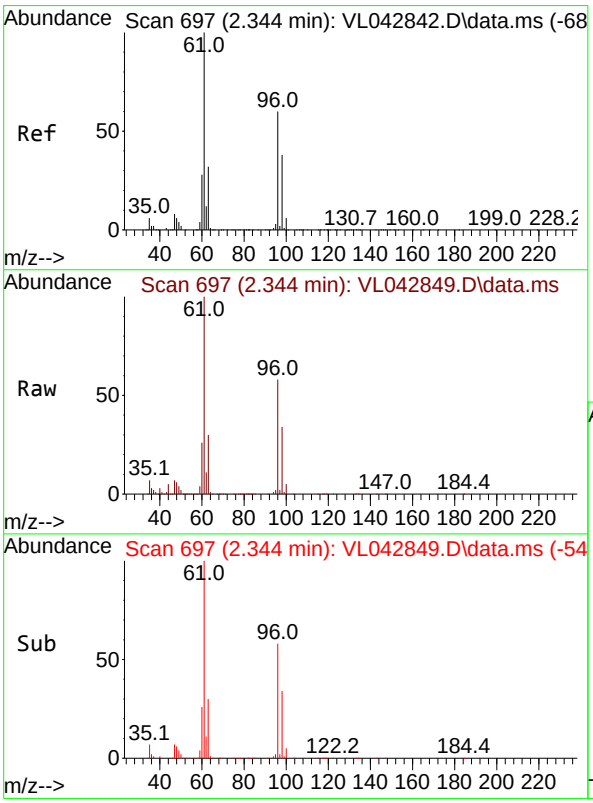
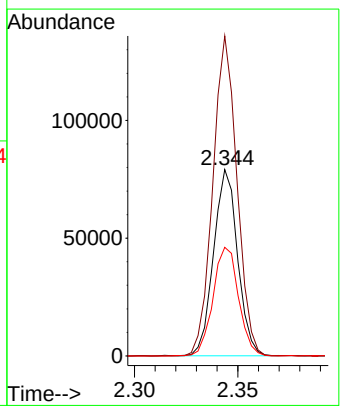
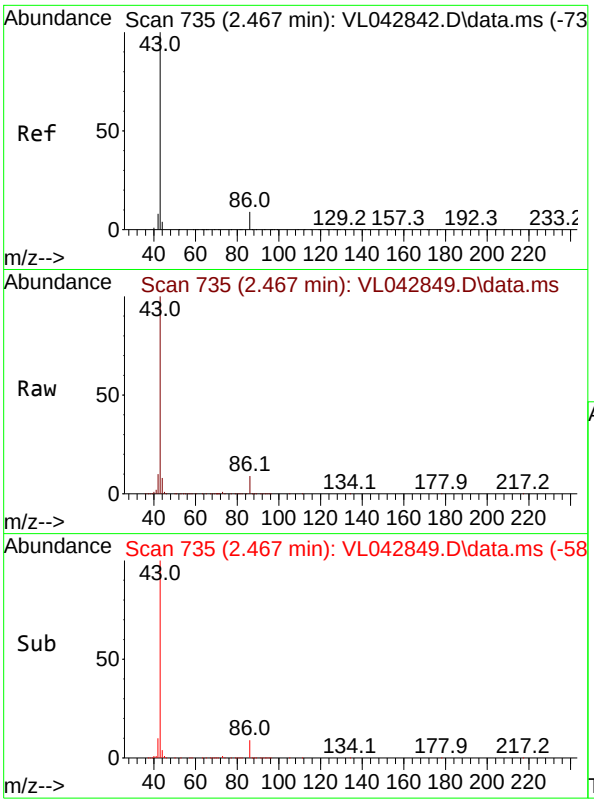


#22
trans-1,2-Dichloroethene
Concen: 8.904 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 96 Resp: 63932

Ion	Ratio	Lower	Upper
96	100		
61	171.8	132.6	199.0
98	58.3	50.0	75.0

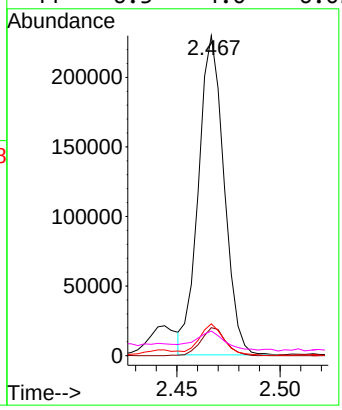




#23
Vinyl Acetate
Concen: 8.891 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 19808

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.8	7.0	10.6
44	6.3	4.0	6.0#



Instrument :
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ClientSampleId :
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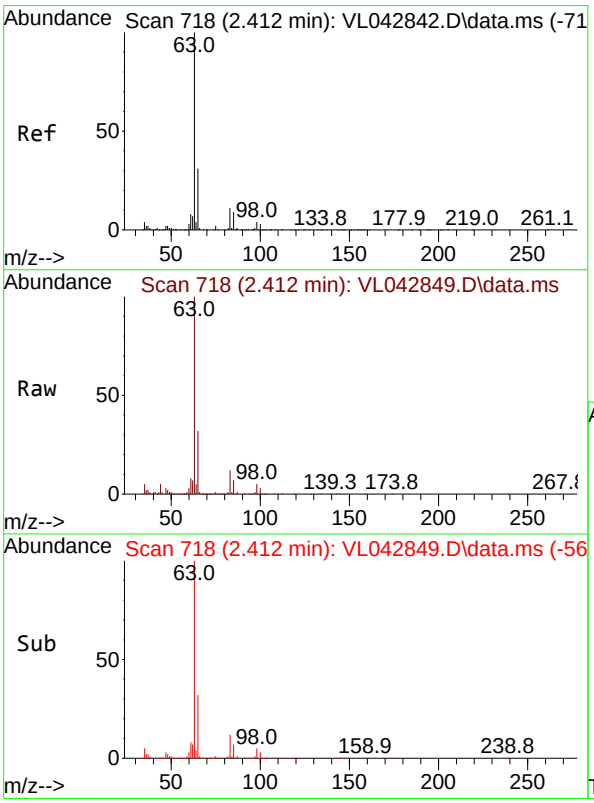
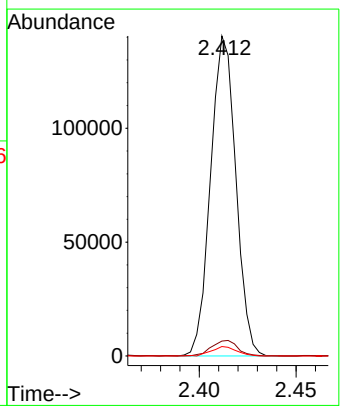
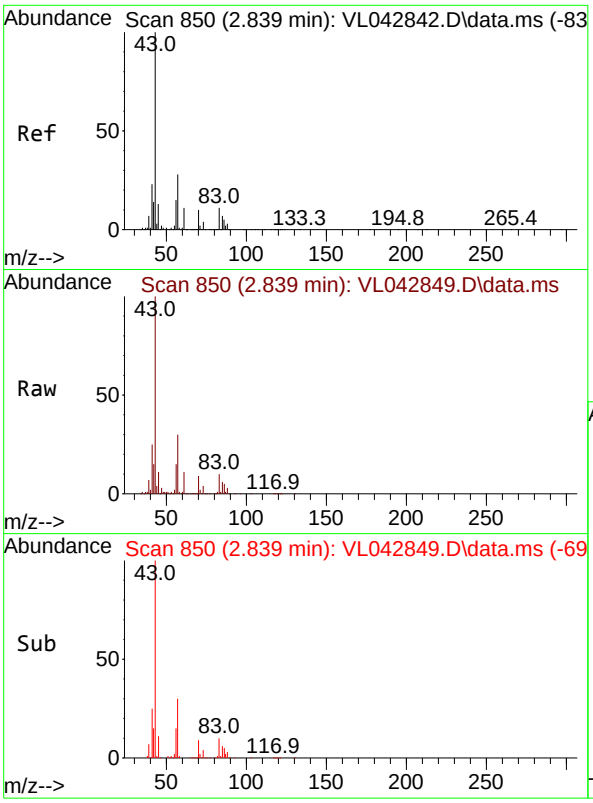


#24
1,1-Dichloroethane
Concen: 8.903 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 63 Resp: 127660

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	3.0	1.7	5.1

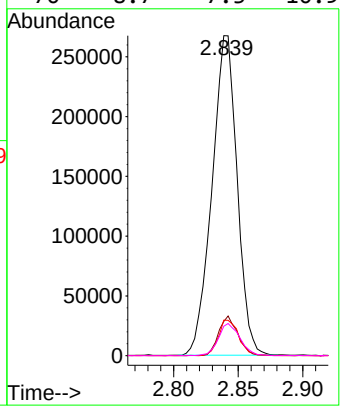




#25
Ethyl Acetate
Concen: 9.240 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 36232

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	9.1	7.4	11.2
70	8.7	7.3	10.9



Instrument :
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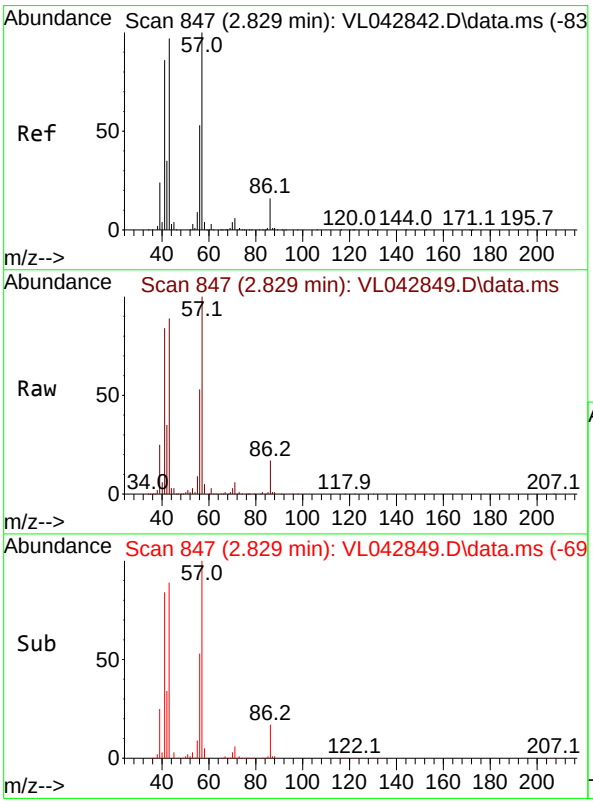
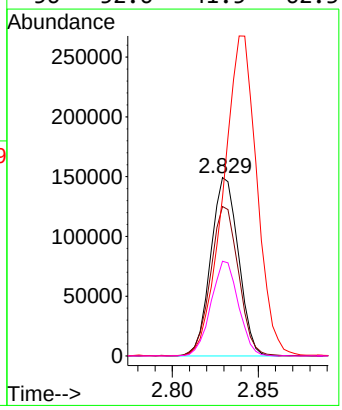
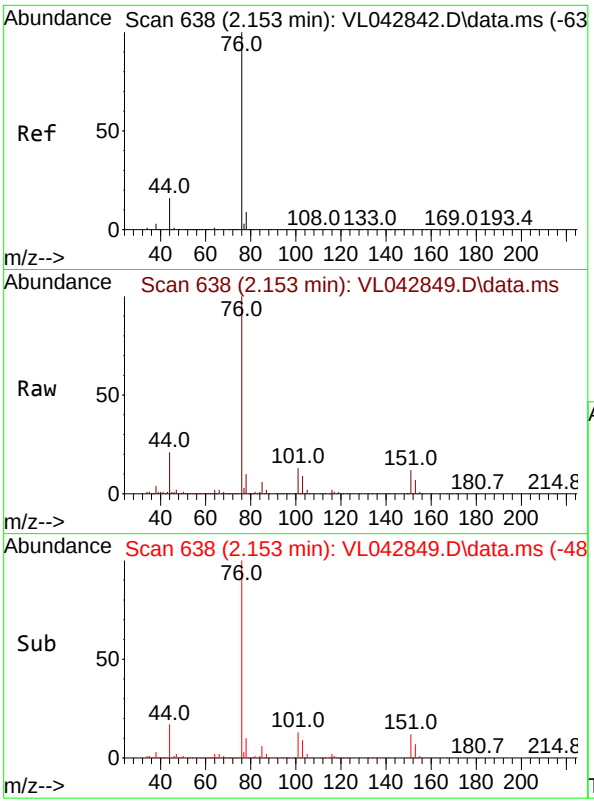


#26
Hexane
Concen: 9.246 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 57 Resp: 167364

Ion	Ratio	Lower	Upper
57	100		
41	85.0	68.6	103.0
43	218.2	168.5	252.7
56	52.6	41.5	62.3

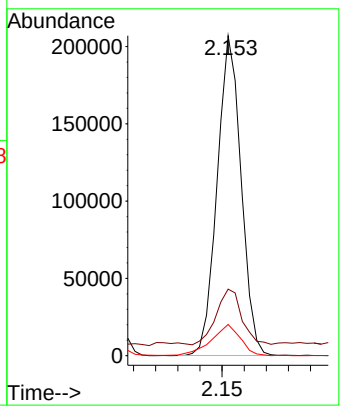




#27
Carbon Disulfide
Concen: 8.841 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 76 Resp: 15572

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.9	23.9
78	11.9	9.5	14.3



Instrument :
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ClientSampleId :
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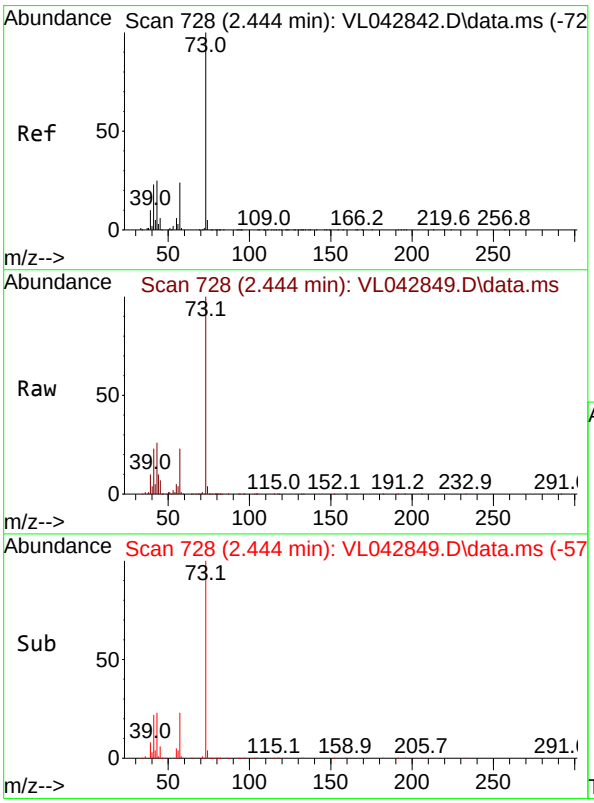
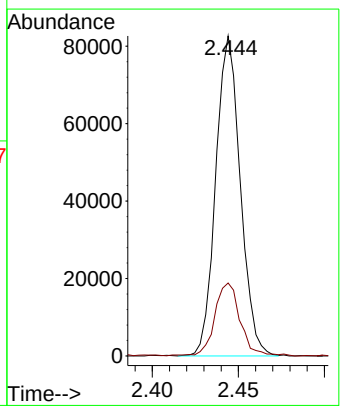
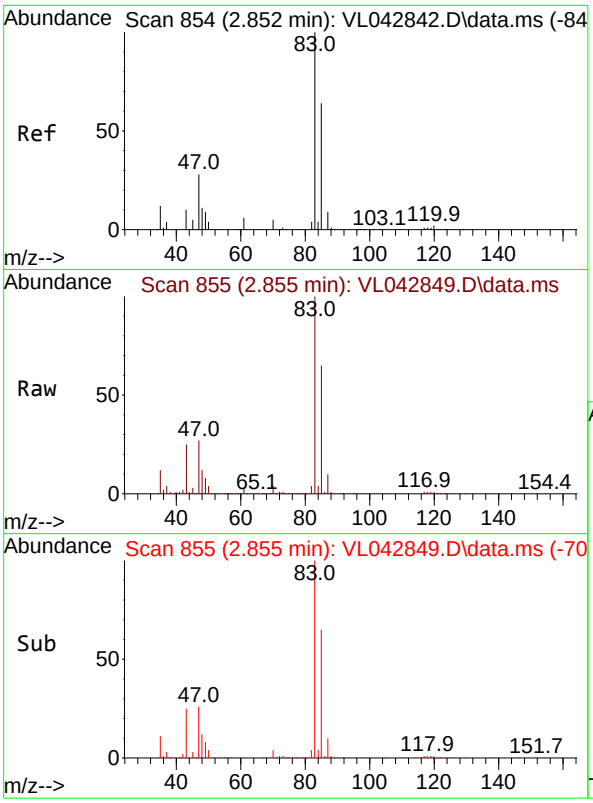


#28
Methyl tert-Butyl Ether
Concen: 8.898 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 73 Resp: 82126

Ion	Ratio	Lower	Upper
73	100		
57	22.9	21.6	32.4





#29
Chloroform
Concen: 9.377 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 83 Resp: 24232

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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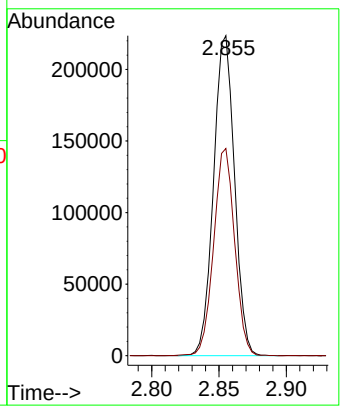
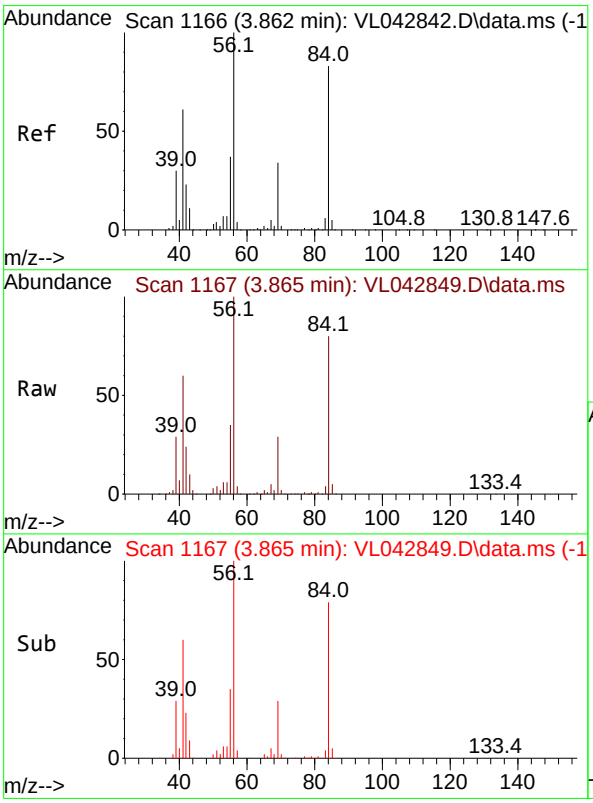
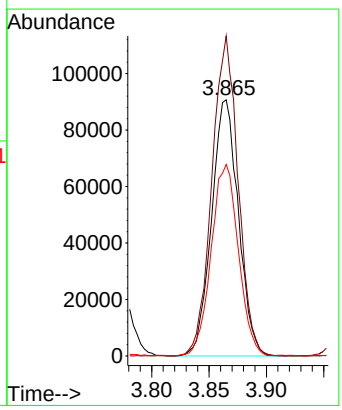


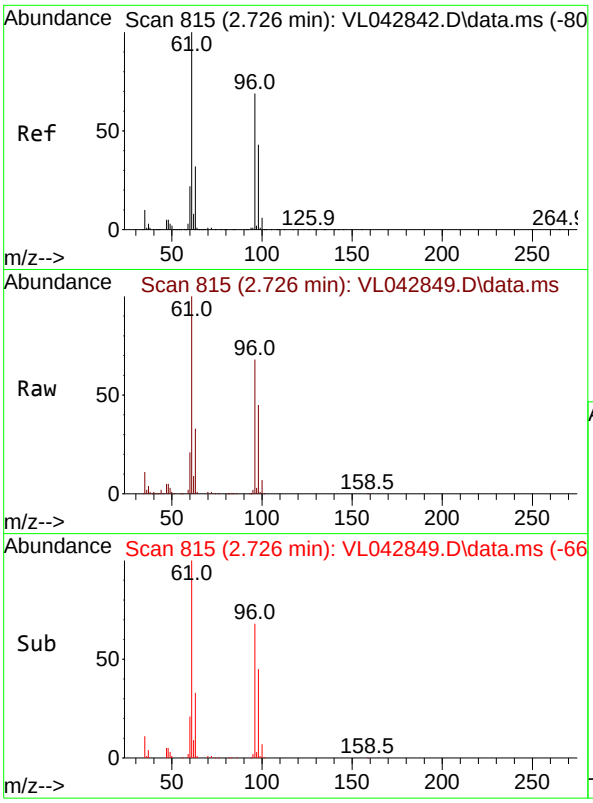


#30
Cyclohexane
Concen: 9.289 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 84 Resp: 147417

Ion	Ratio	Lower	Upper
84	100		
56	122.1	98.8	148.2
41	75.8	61.3	91.9

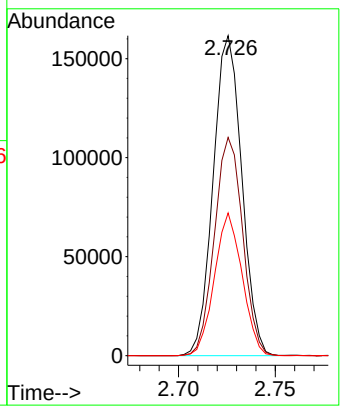




#31
cis-1,2-Dichloroethene
Concen: 9.196 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 61 Resp: 16626

Ion	Ratio	Lower	Upper
61	100		
96	68.2	55.0	82.6
98	44.5	34.3	51.5



Instrument :
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ClientSampleId :
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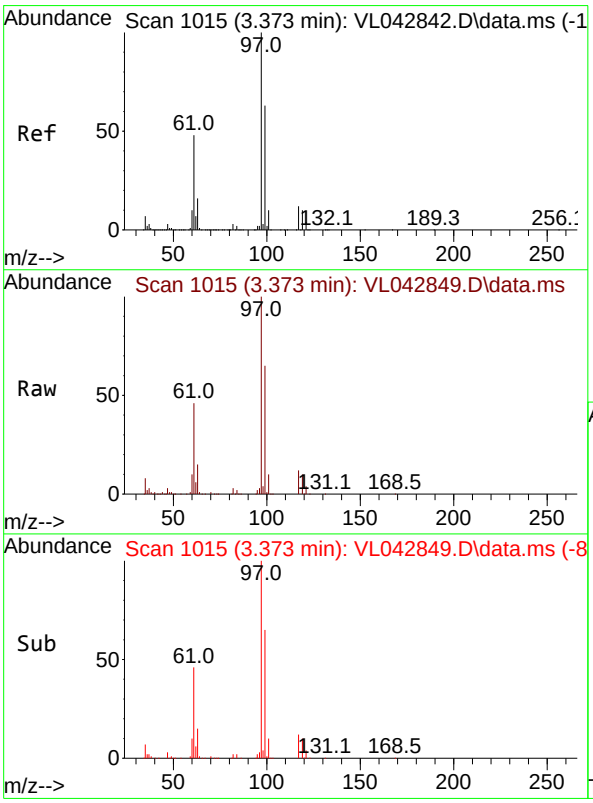
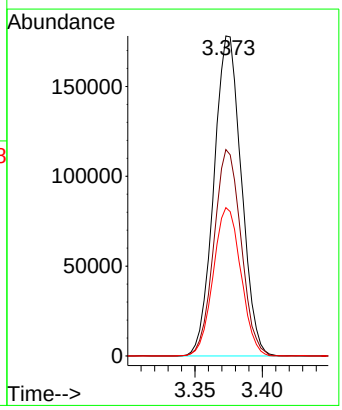
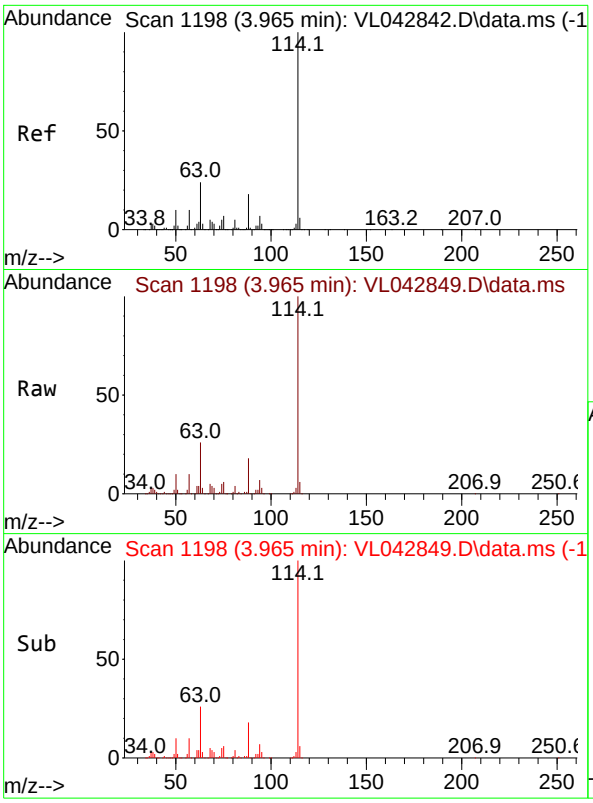


#32
1,1,1-Trichloroethane
Concen: 9.256 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 97 Resp: 252813

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	46.7	38.0	57.0

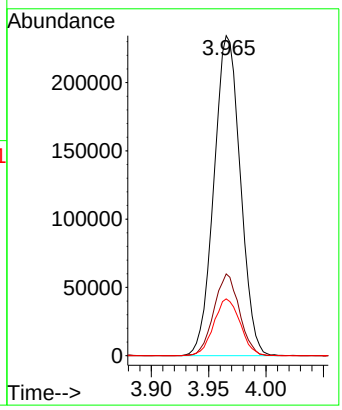




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:114 Resp: 37444

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	17.9	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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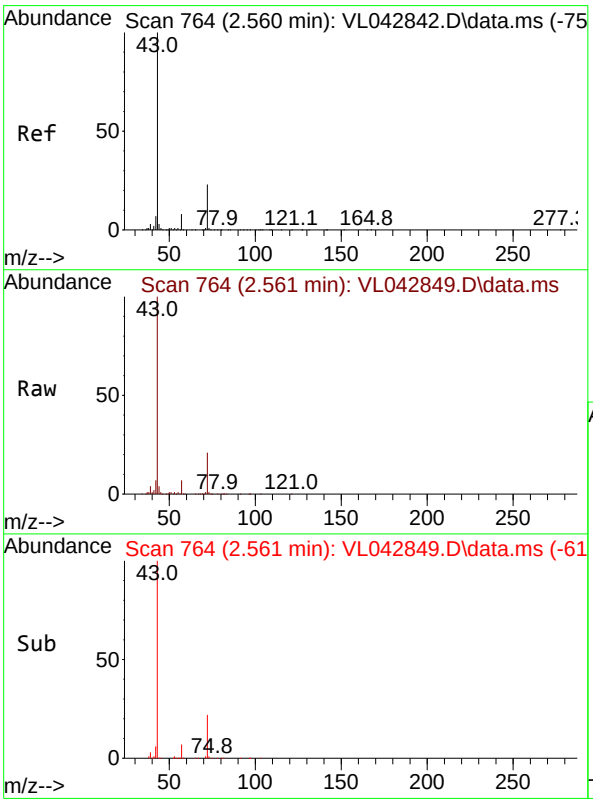
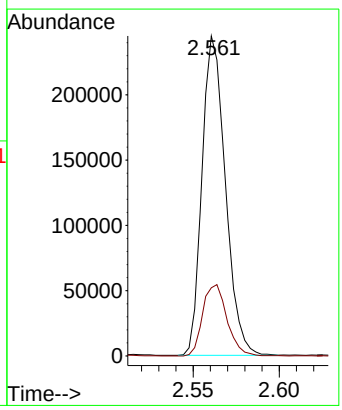
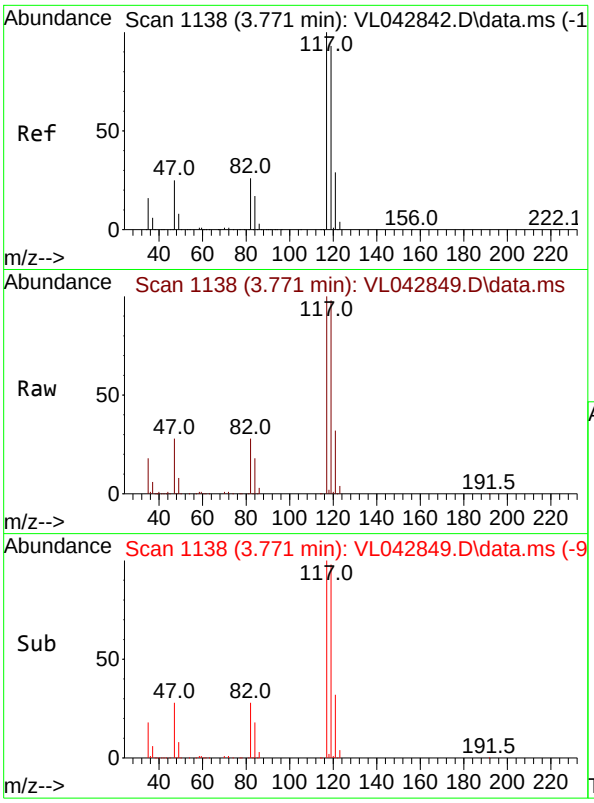


#34
2-Butanone
Concen: 9.135 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 230961

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	28.0

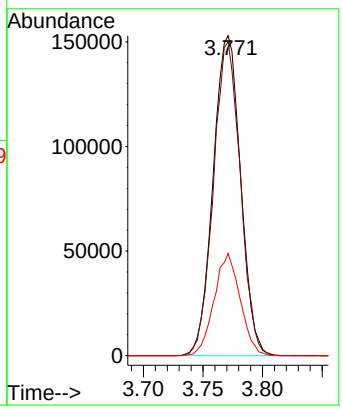




#35
Carbon Tetrachloride
Concen: 9.478 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:117 Resp: 24467

Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.7	112.1
121	32.0	23.2	34.8



Instrument :
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ClientSampleId :
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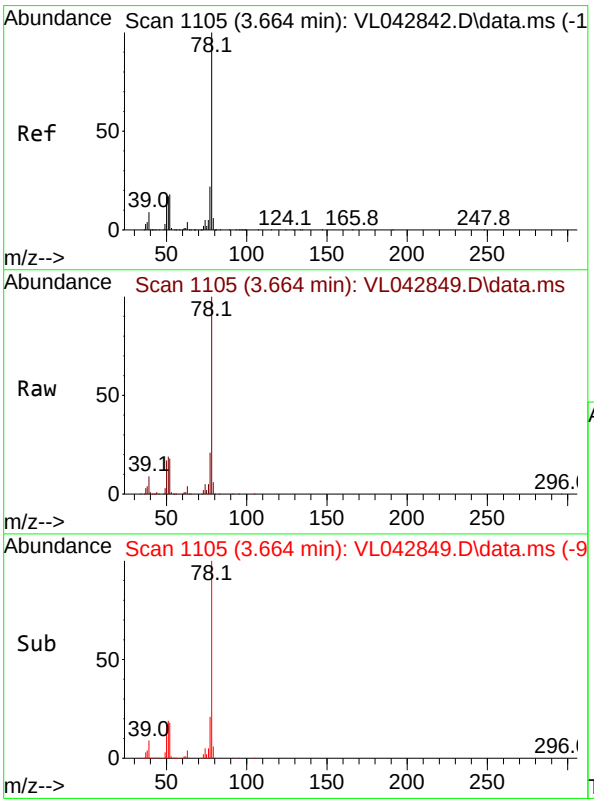
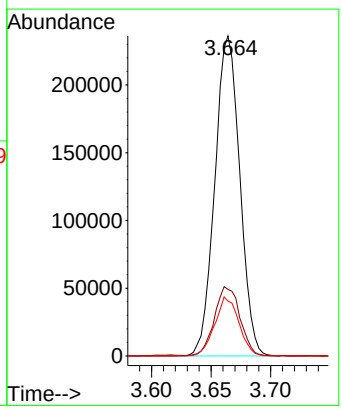
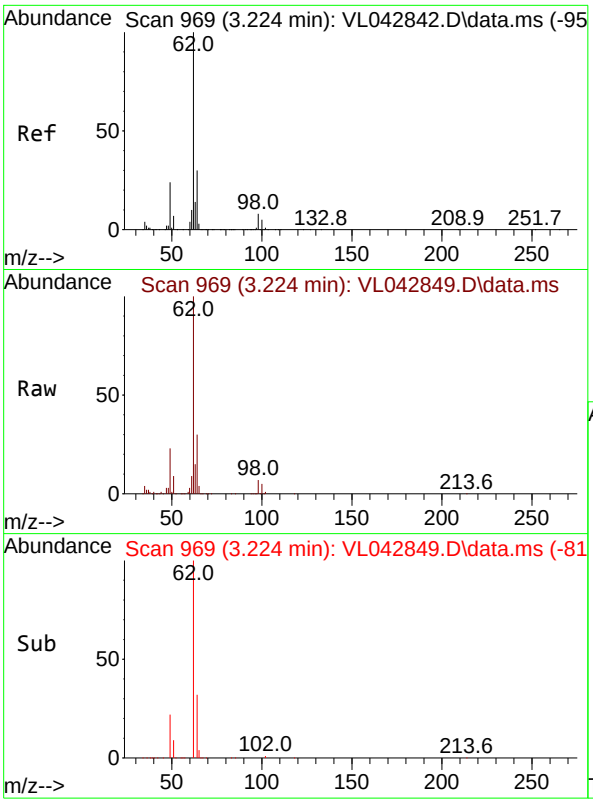


#36
Benzene
Concen: 9.592 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 78 Resp: 343952

Ion	Ratio	Lower	Upper
78	100		
77	20.8	17.7	26.5
50	17.1	13.9	20.9

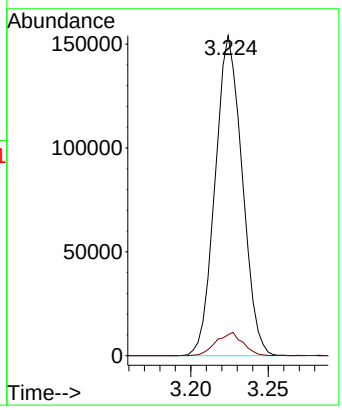




#37
1,2-Dichloroethane
Concen: 9.991 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 62 Resp: 18716

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.9	8.9



Instrument :
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ClientSampleId :
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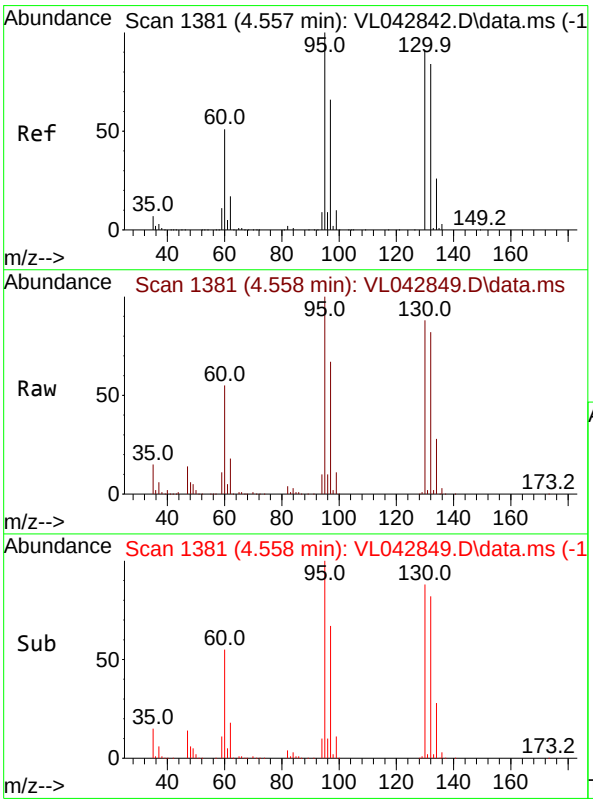
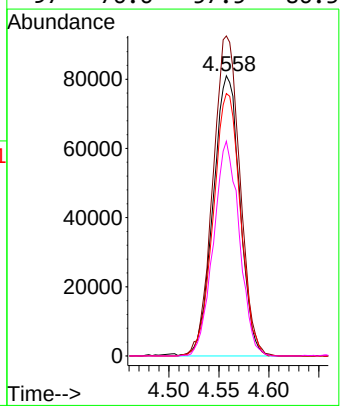
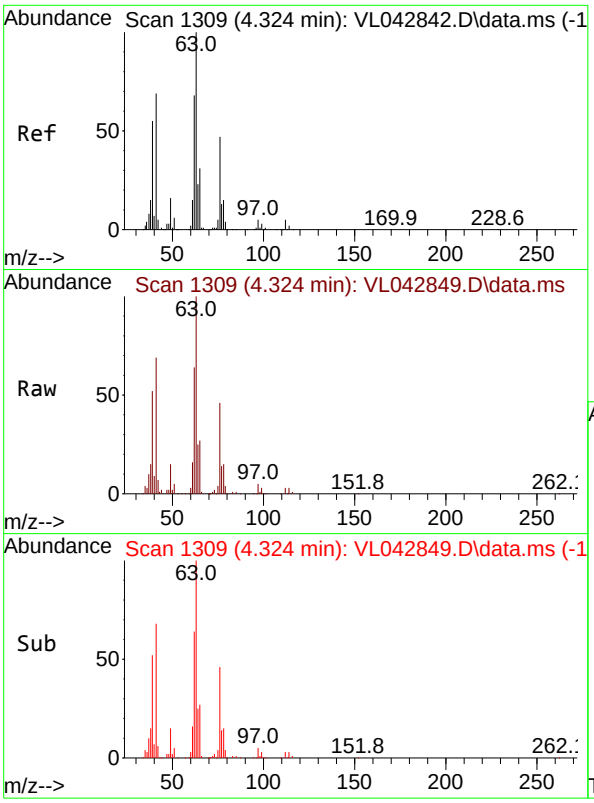


#38
Trichloroethene
Concen: 9.202 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:130 Resp: 150693

Ion	Ratio	Lower	Upper
130	100		
95	114.2	87.6	131.4
132	93.6	73.8	110.8
97	76.6	57.5	86.3

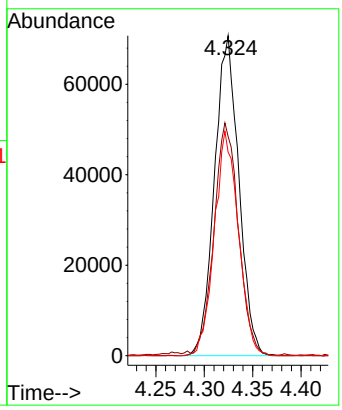




#39
1,2-Dichloropropane
Concen: 9.436 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 63 Resp: 12356

Ion	Ratio	Lower	Upper
63	100		
41	68.4	55.0	82.4
62	63.6	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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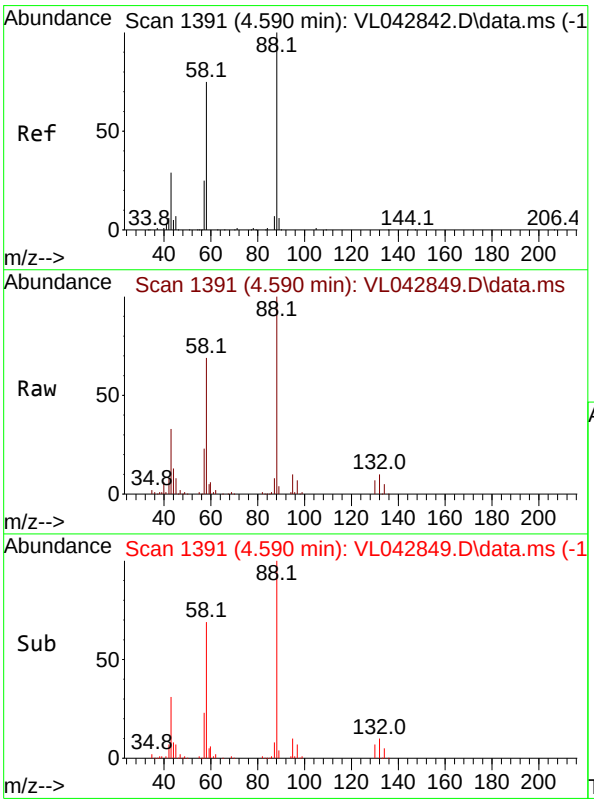
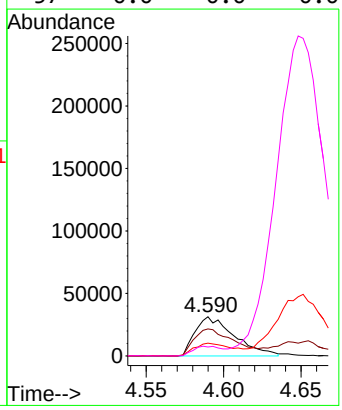
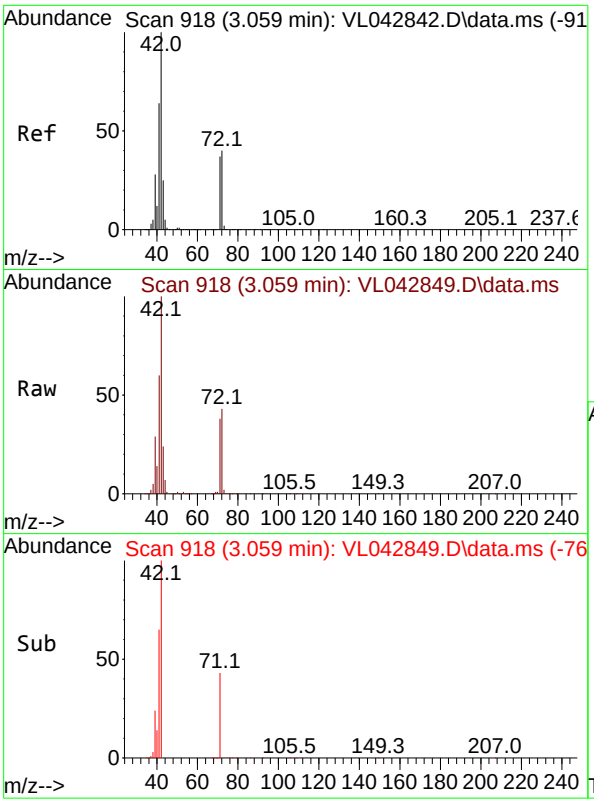


#40
1,4-Dioxane
Concen: 8.879 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 88 Resp: 55292

Ion	Ratio	Lower	Upper
88	100		
58	72.7	53.8	80.6
43	32.4	22.8	34.2
57	0.0	0.0	0.0

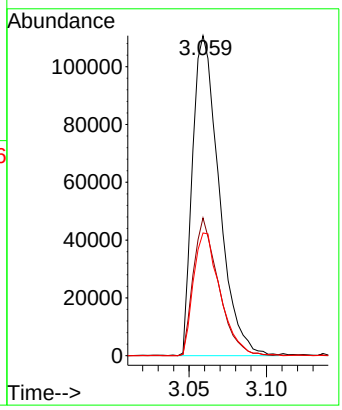




#41
Tetrahydrofuran
Concen: 9.372 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 42 Resp: 13210

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	48.8
71	39.0	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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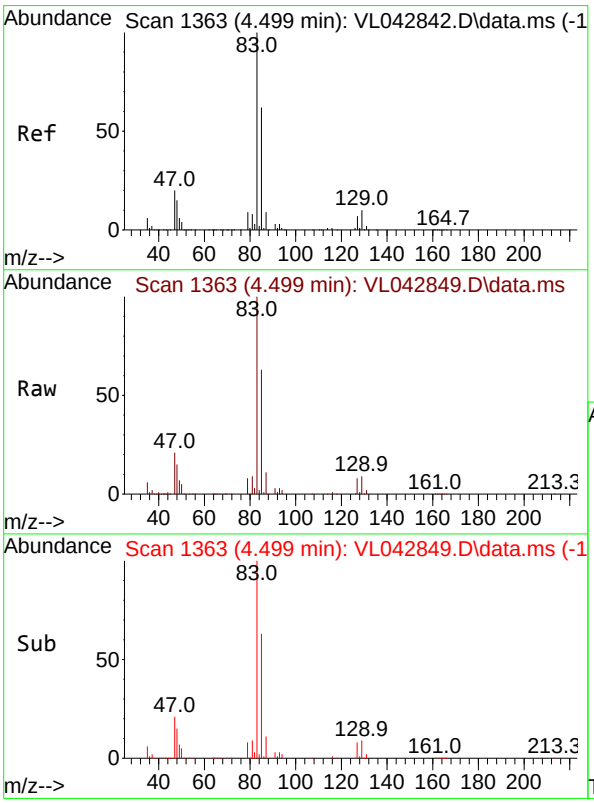
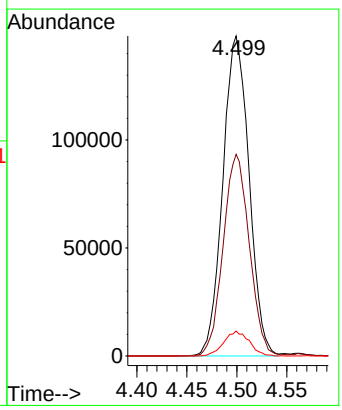
Supervised By :Mahesh Dadoda 08/18/2025

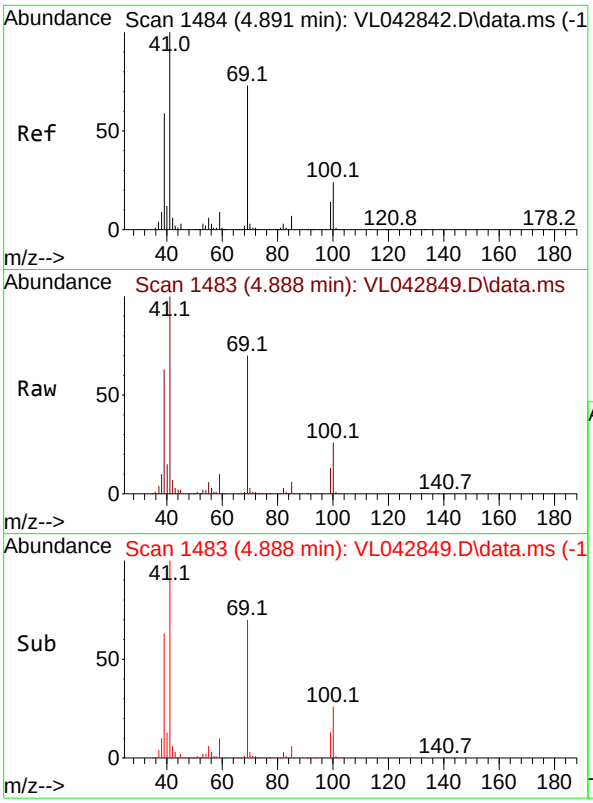


#42
Bromodichloromethane
Concen: 9.678 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 83 Resp: 270154

Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.8	74.8
127	7.8	5.8	8.6

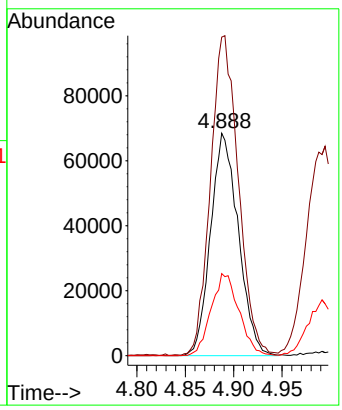




#43
Methyl Methacrylate
Concen: 9.229 ppbv
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 69 Resp: 13632

Ion	Ratio	Lower	Upper
69	100		
41	144.9	114.6	172.0
100	37.0	30.2	45.4



Instrument :
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ClientSampleId :
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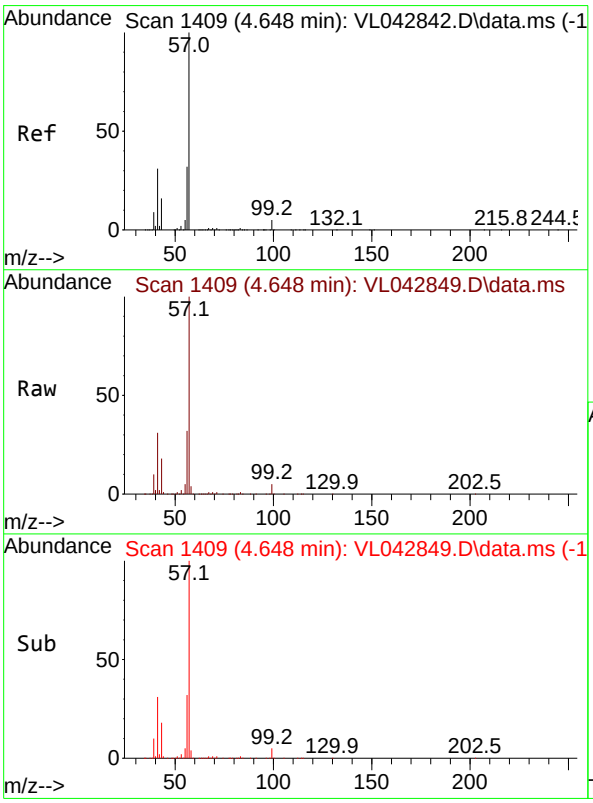
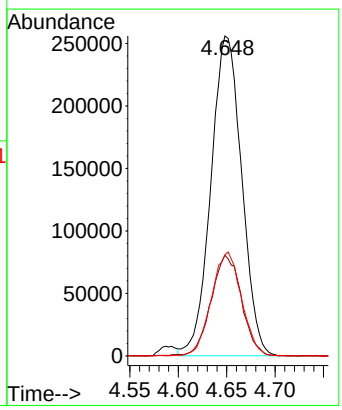
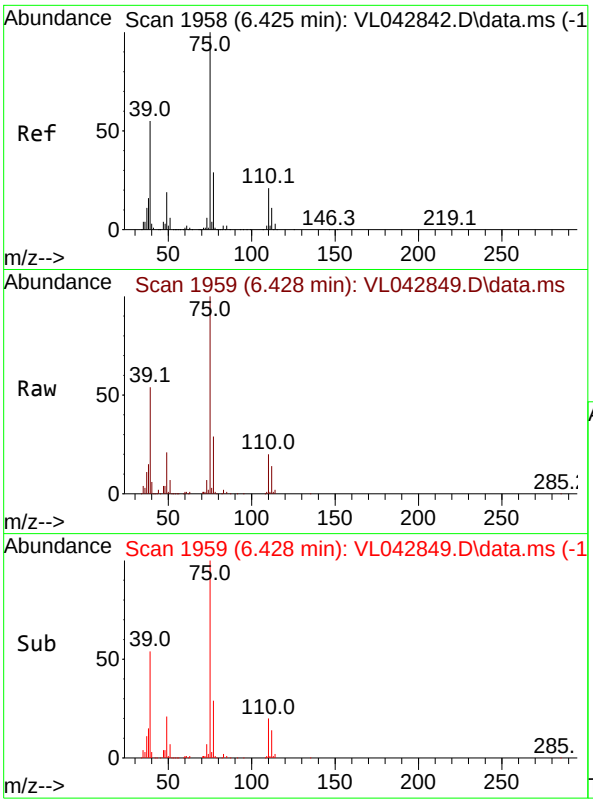


#44
2,2,4-Trimethylpentane
Concen: 9.290 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 57 Resp: 565415

Ion	Ratio	Lower	Upper
57	100		
41	31.3	24.8	37.2
56	31.9	25.5	38.3

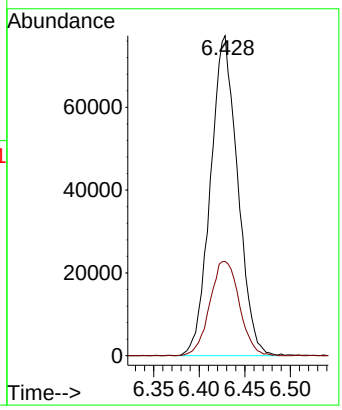




#45
t-1,3-Dichloropropene
Concen: 9.645 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 75 Resp: 16078

Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
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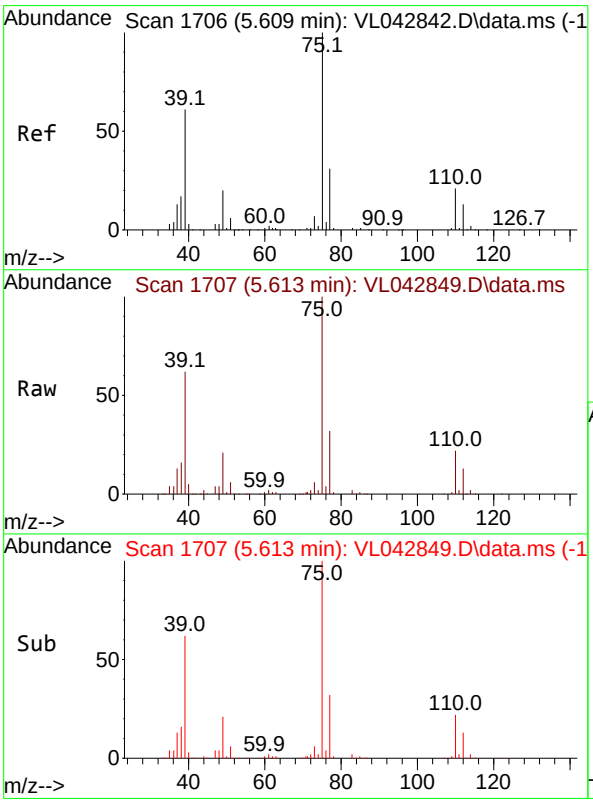
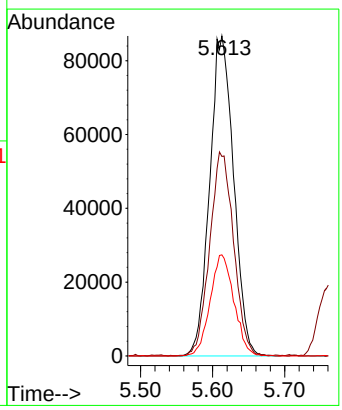
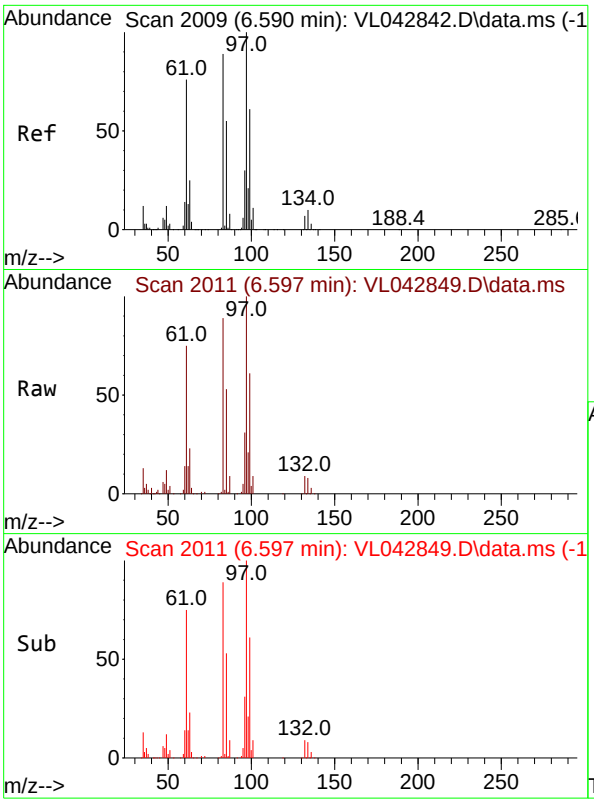


#46
cis-1,3-Dichloropropene
Concen: 9.628 ppbv m
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 75 Resp: 199988

Ion	Ratio	Lower	Upper
75	100		
39	62.4	48.9	73.3
77	31.6	24.9	37.3

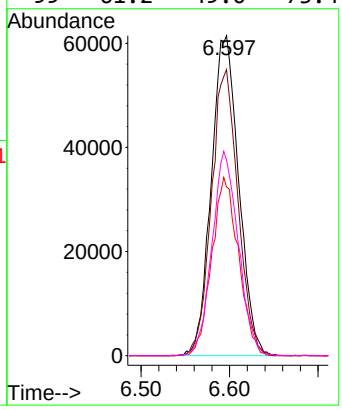




#47
1,1,2-Trichloroethane
Concen: 9.553 ppbv
RT: 6.597 min Scan# 2(
Delta R.T. 0.007 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 97 Resp: 13254(

Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.0	106.4
85	52.6	43.6	65.4
99	61.2	49.0	73.4



Instrument :
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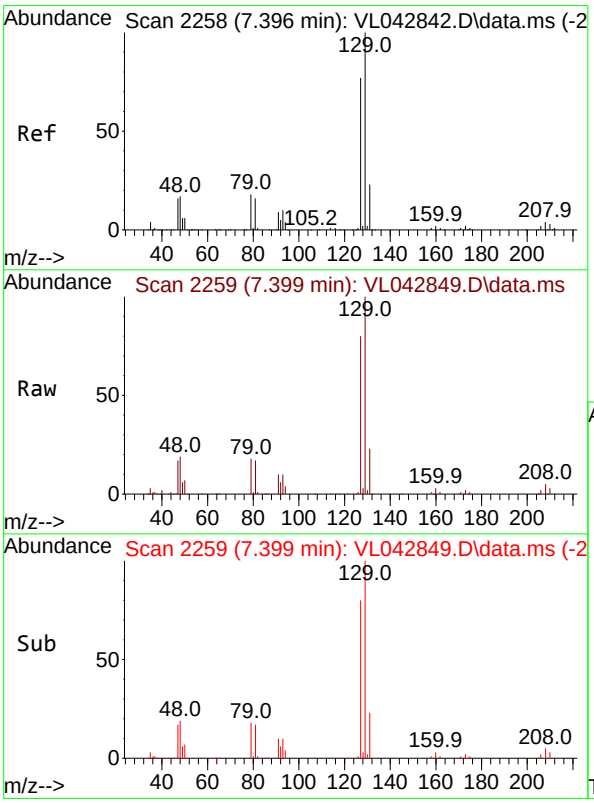
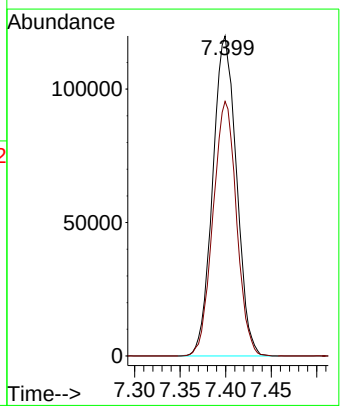
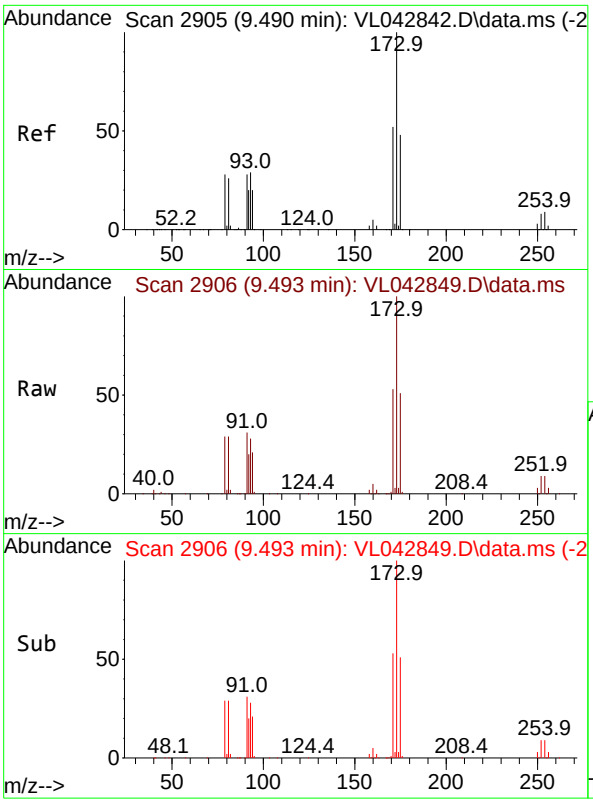


#48
Dibromochloromethane
Concen: 9.708 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:129 Resp: 217970

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.2

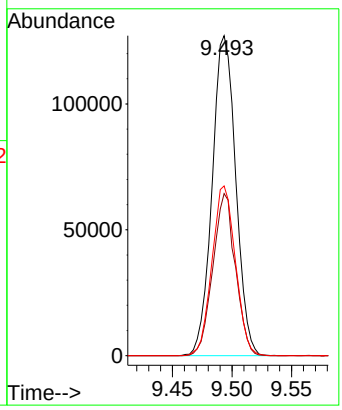




#49
Bromoform
Concen: 9.446 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:173 Resp: 17491

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.2	58.8
171	52.6	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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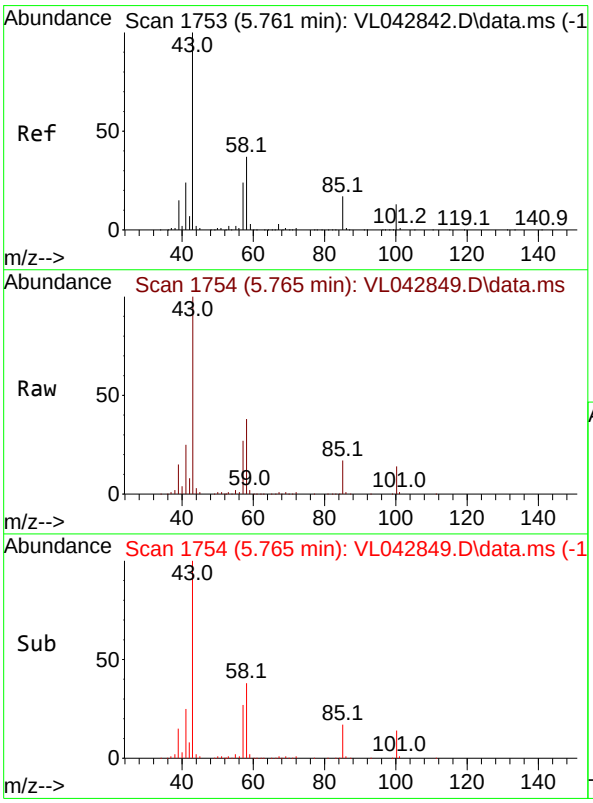
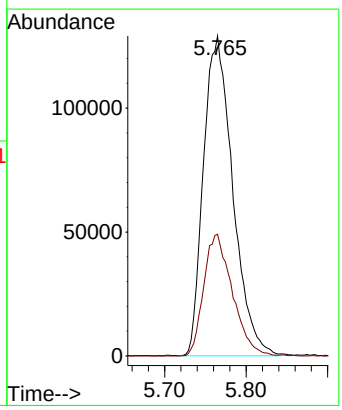
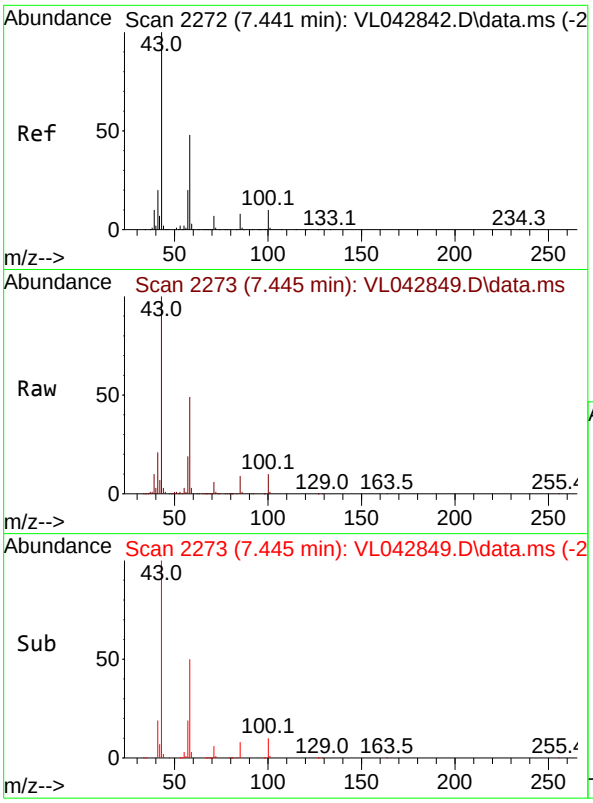


#50
4-Methyl-2-Pentanone
Concen: 9.430 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 322264

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.8	44.8





#51
2-Hexanone
Concen: 9.791 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 26332

Ion	Ratio	Lower	Upper
43	100		
58	49.9	41.0	61.6
98	0.1	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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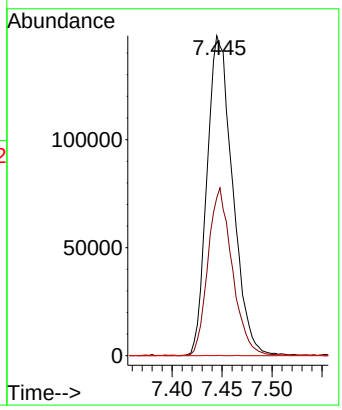
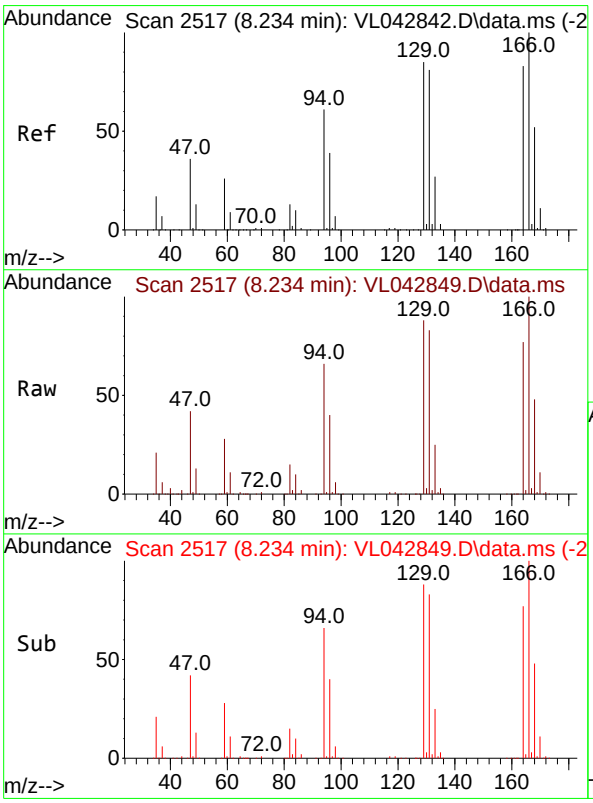
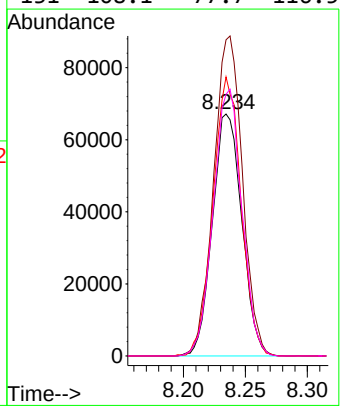


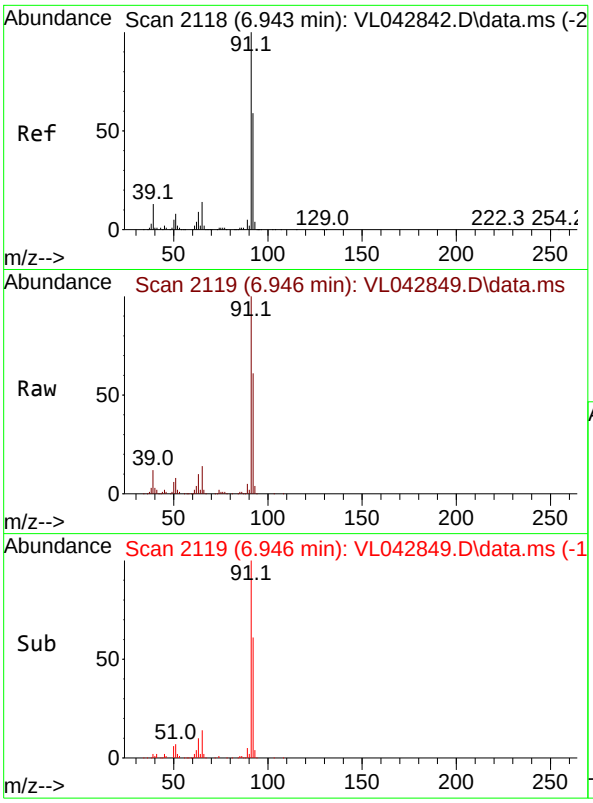


#52
Tetrachloroethene
Concen: 8.544 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:164 Resp: 110828

Ion	Ratio	Lower	Upper
164	100		
166	130.6	96.5	144.7
129	115.3	81.8	122.6
131	108.1	77.7	116.5

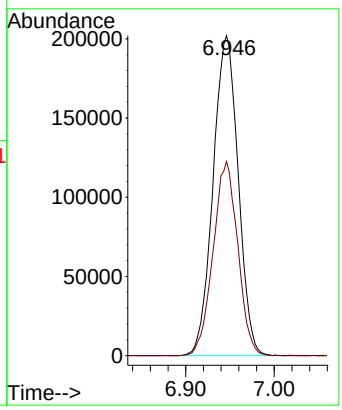




#53
Toluene
Concen: 9.340 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 39813

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6



Instrument :
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ClientSampleId :
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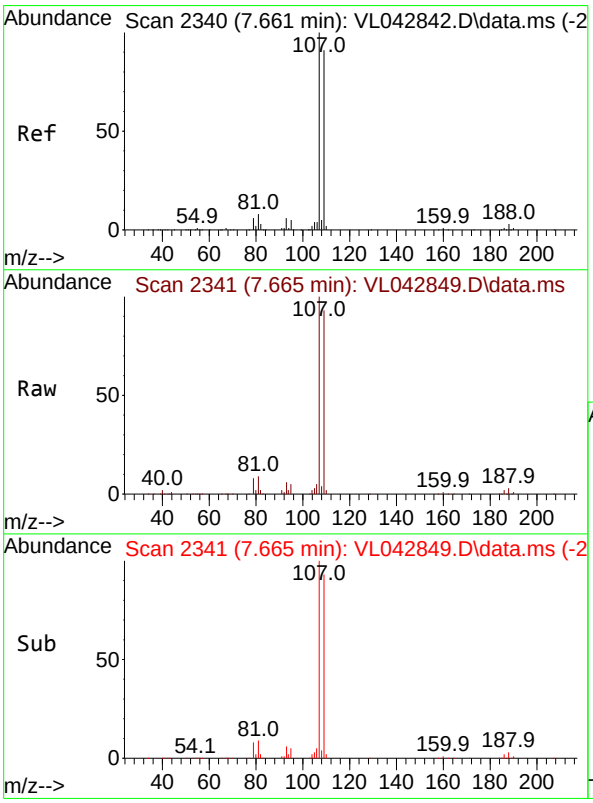
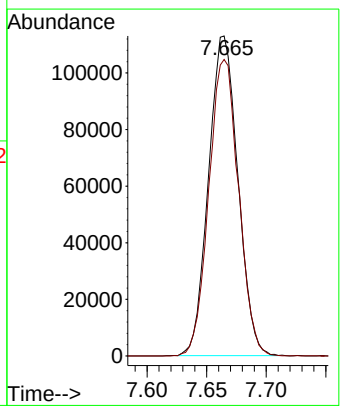
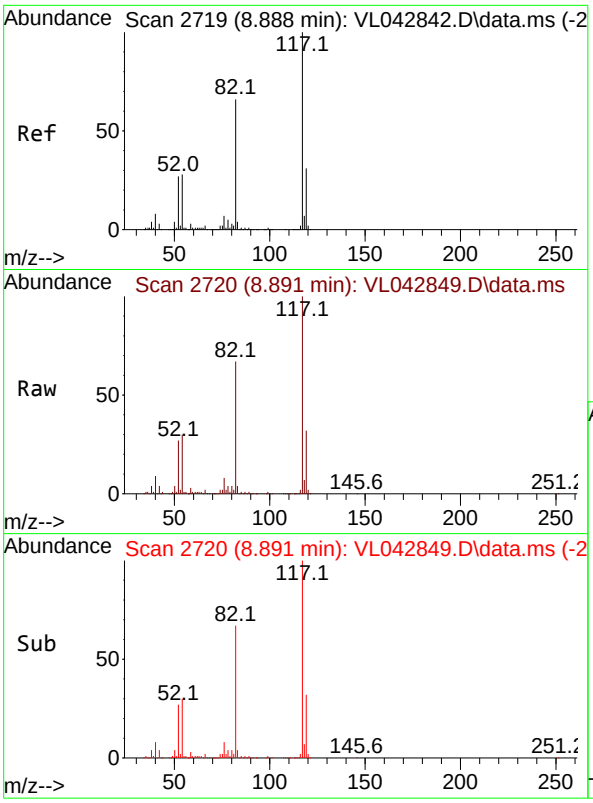


#54
1,2-Dibromoethane
Concen: 9.535 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:107 Resp: 193340

Ion	Ratio	Lower	Upper
107	100		
109	92.7	72.5	108.7

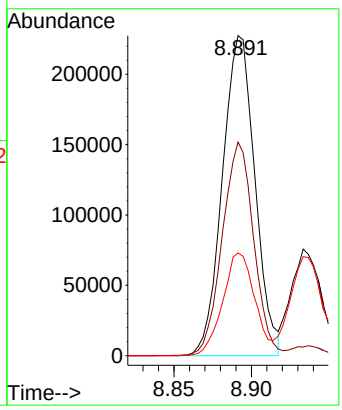




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:117 Resp: 33349

Ion	Ratio	Lower	Upper
117	100		
82	67.3	54.6	81.8
119	31.8	25.9	38.9



Instrument :
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ClientSampleId :
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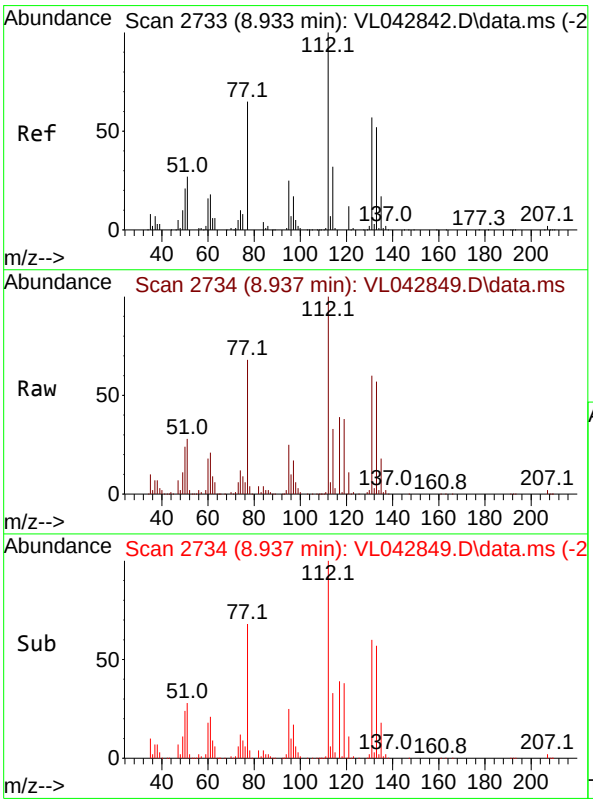
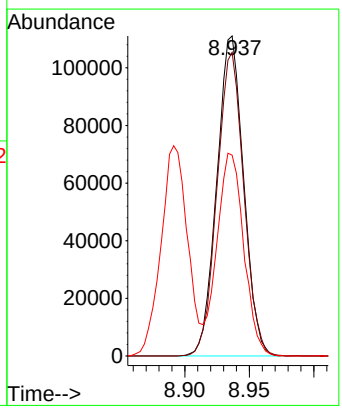
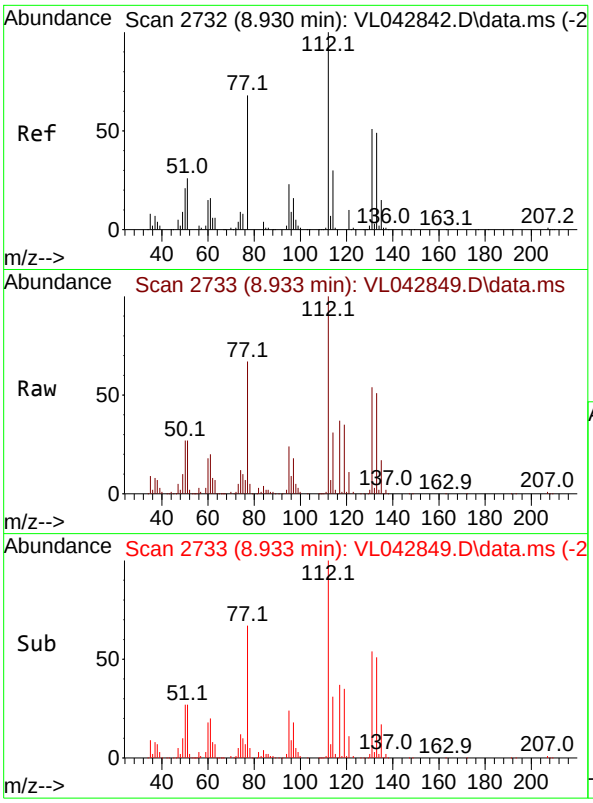


#56
1,1,1,2-Tetrachloroethane
Concen: 9.291 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:131 Resp: 160225

Ion	Ratio	Lower	Upper
131	100		
133	94.8	77.4	116.0
119	64.3	51.2	76.8





#57
Chlorobenzene
Concen: 9.378 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:112 Resp: 29737

Ion	Ratio	Lower	Upper
112	100		
77	66.6	55.5	83.3
114	31.2	27.2	33.2

Instrument :
MSVOA_L
ClientSampleId :
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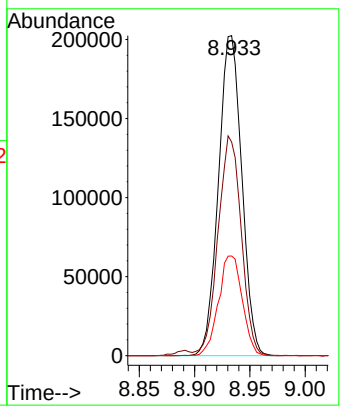
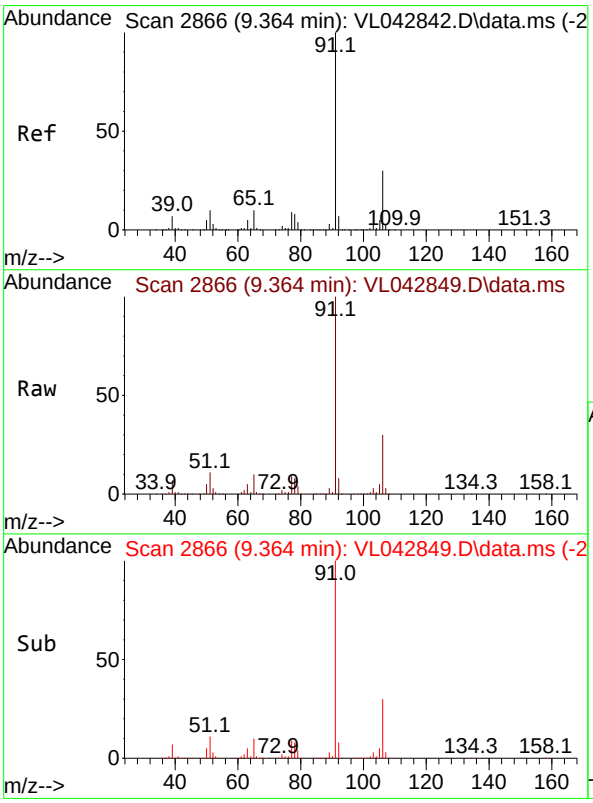
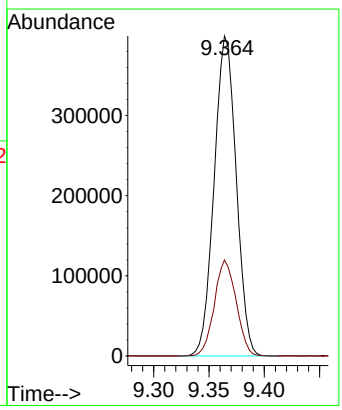


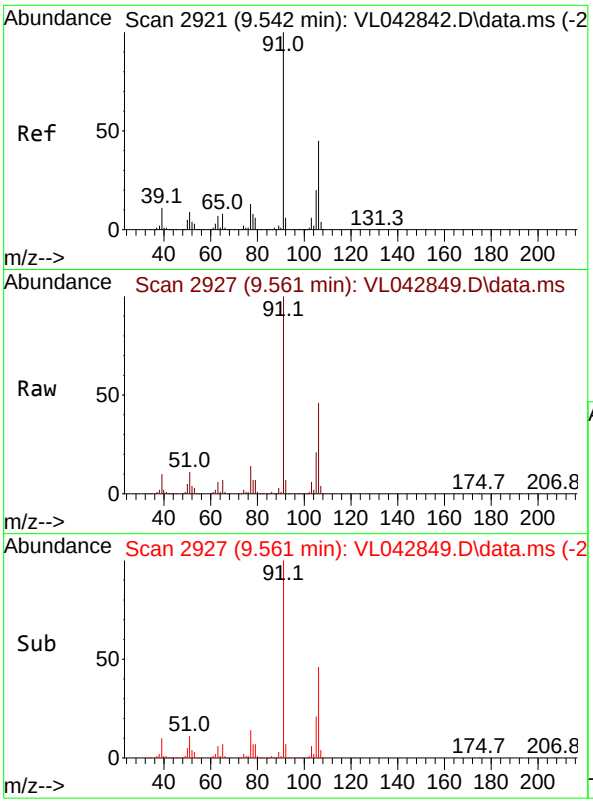


#58
Ethyl Benzene
Concen: 9.414 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 554015

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9





#59
m/p-Xylene
Concen: 18.754 ppbv m
RT: 9.561 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 86510

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
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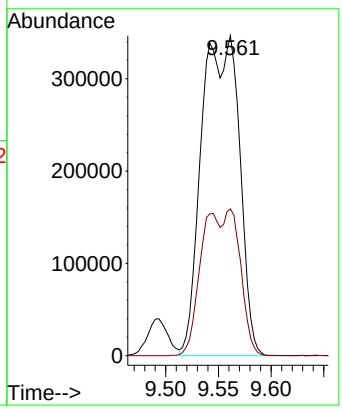
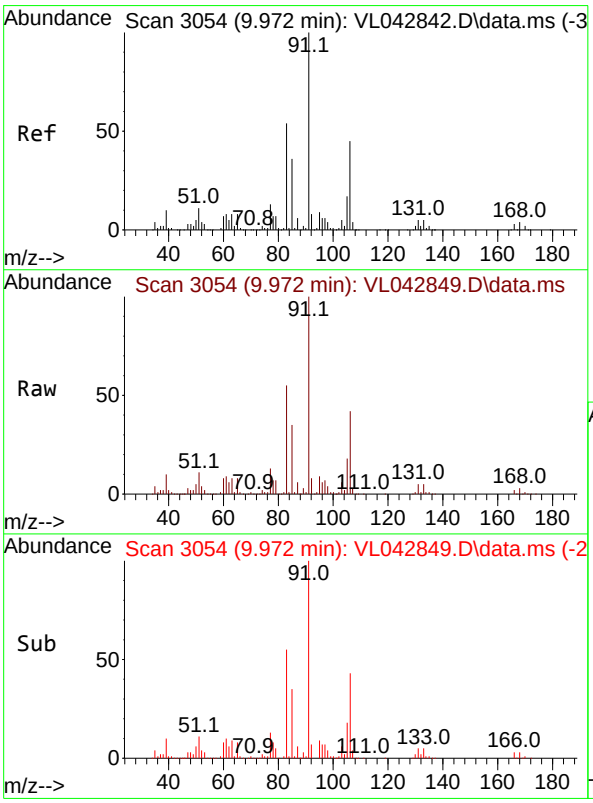
Supervised By :Mahesh Dadoda 08/18/2025

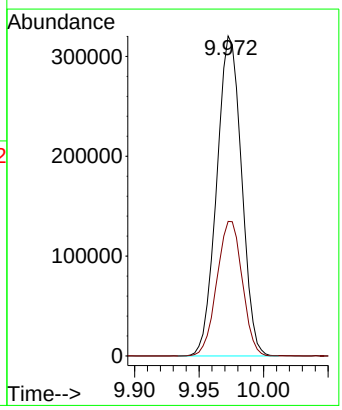


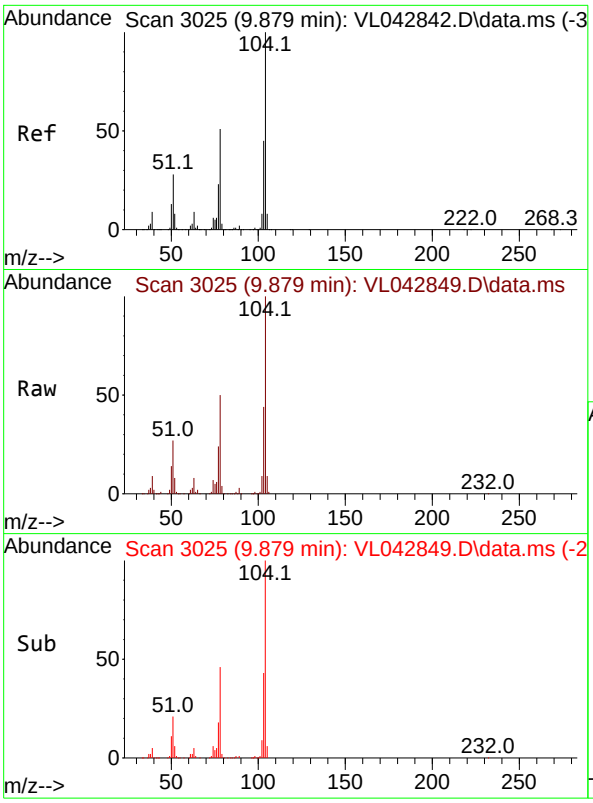


#60
o-Xylene
Concen: 9.239 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 428721

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.8	65.4

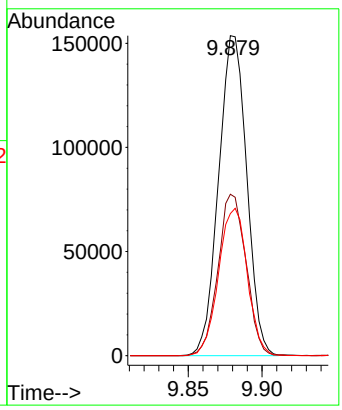




#61
Styrene
Concen: 9.377 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:104 Resp: 20385

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	61.0
103	47.1	37.7	56.5



Instrument :
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ClientSampleId :
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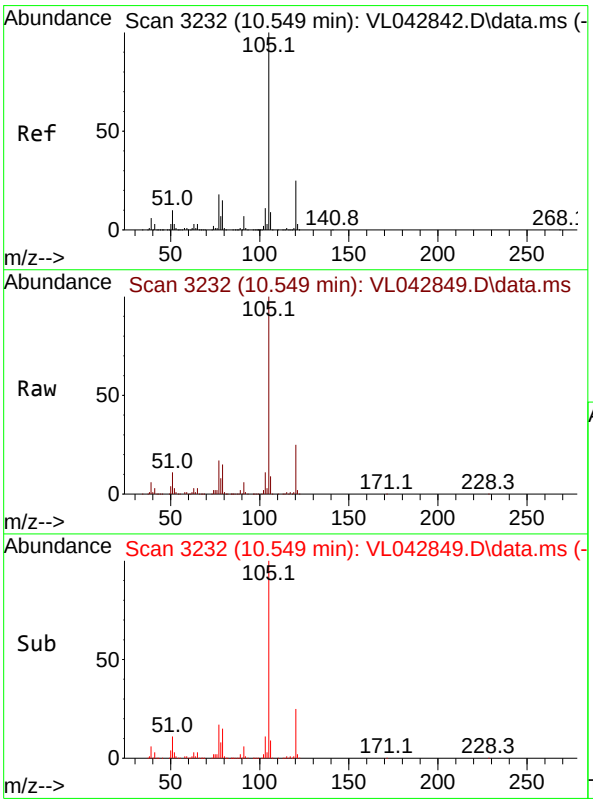
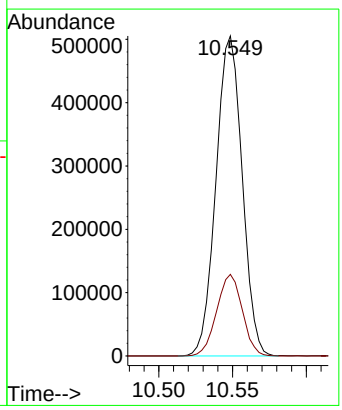
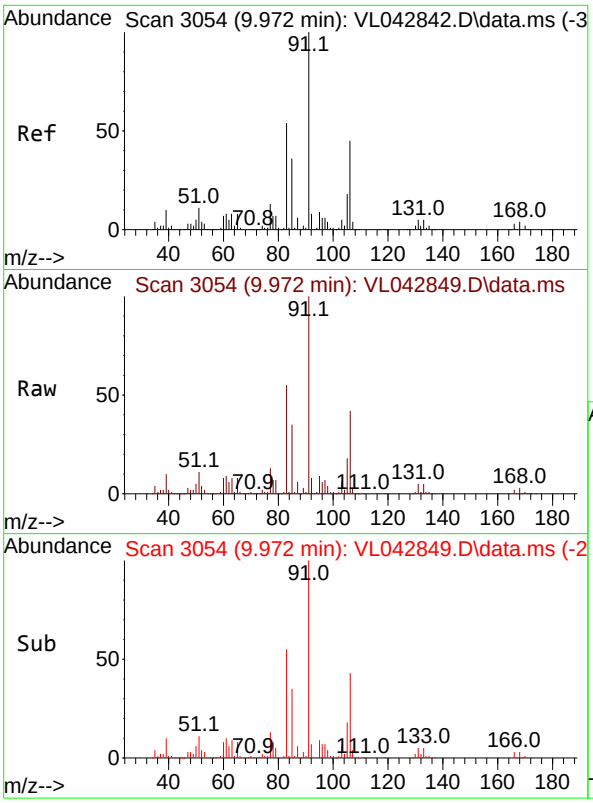


#62
Isopropylbenzene
Concen: 9.206 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 624287

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.826 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 83 Resp: 22523

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.4	32.3	96.8

Instrument :
MSVOA_L
ClientSampleId :
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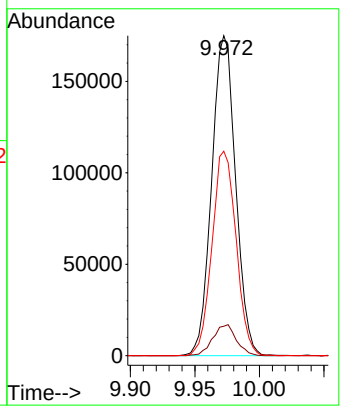
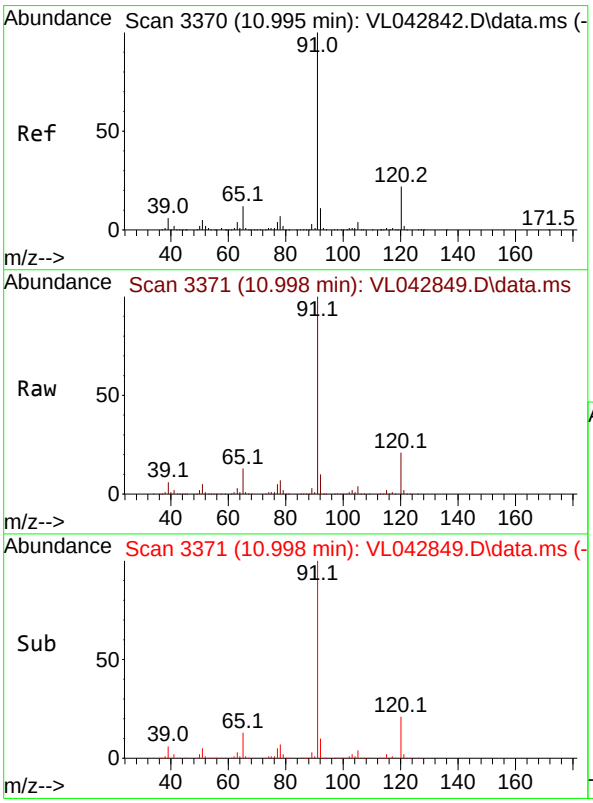
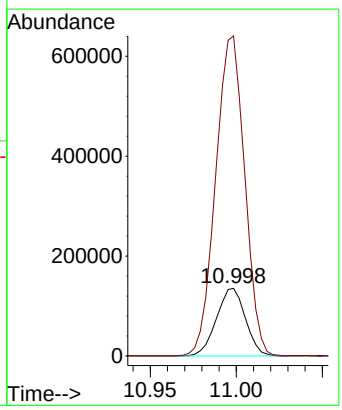


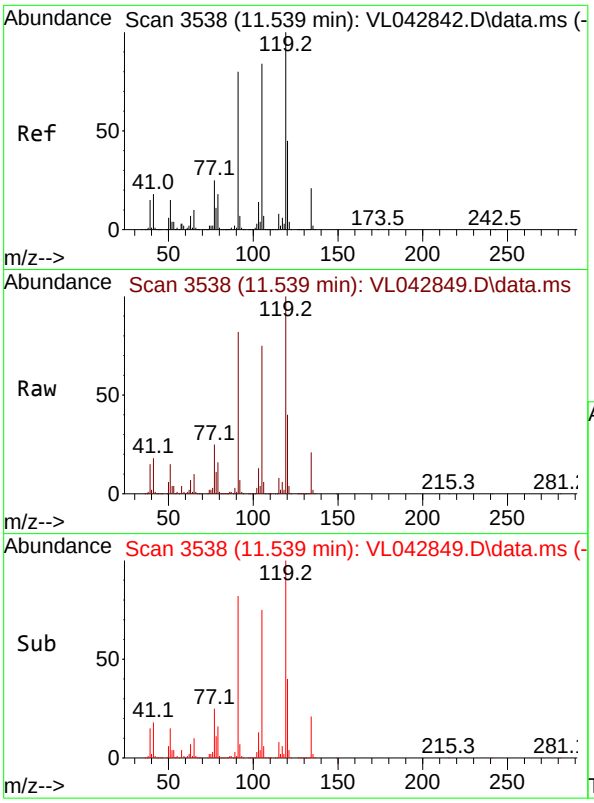


#64
n-propylbenzene
Concen: 9.145 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:120 Resp: 158234

Ion	Ratio	Lower	Upper
120	100		
91	476.9	375.8	563.6

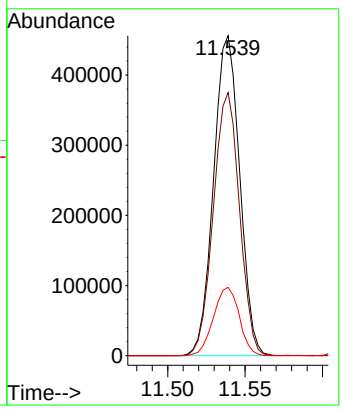




#65
tert-Butylbenzene
Concen: 8.946 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:119 Resp: 53479

Ion	Ratio	Lower	Upper
119	100		
91	82.2	63.9	95.9
134	21.1	17.0	25.4



Instrument :
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ClientSampleId :
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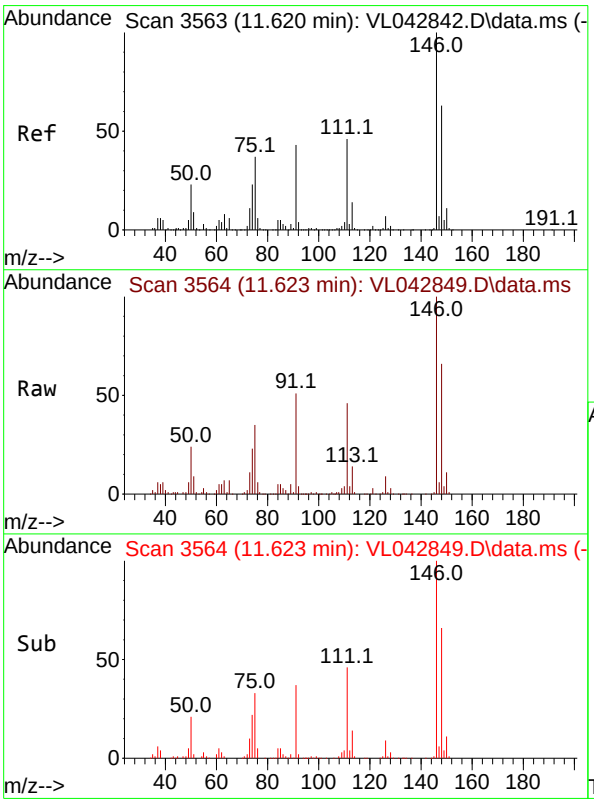
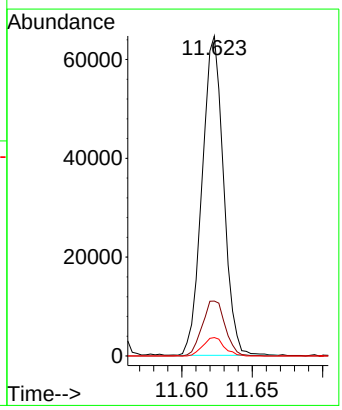
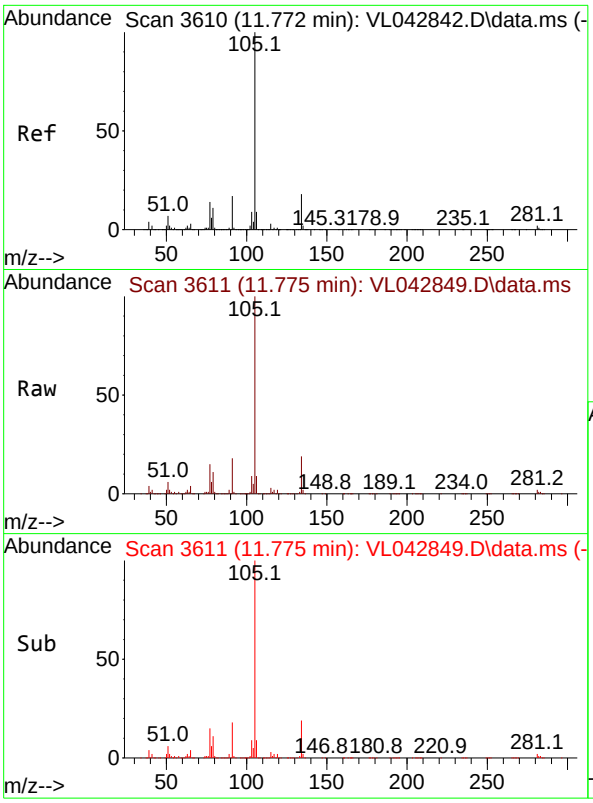


#66
Benzyl Chloride
Concen: 9.031 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 68533

Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.2	21.4
128	5.7	5.0	7.6

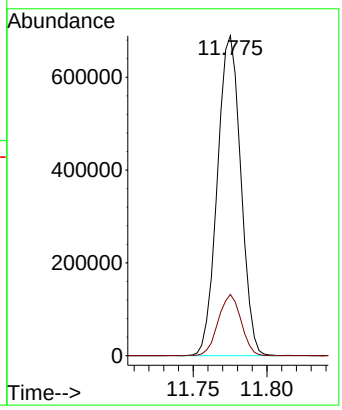




#67
sec-Butylbenzene
Concen: 9.088 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 76260

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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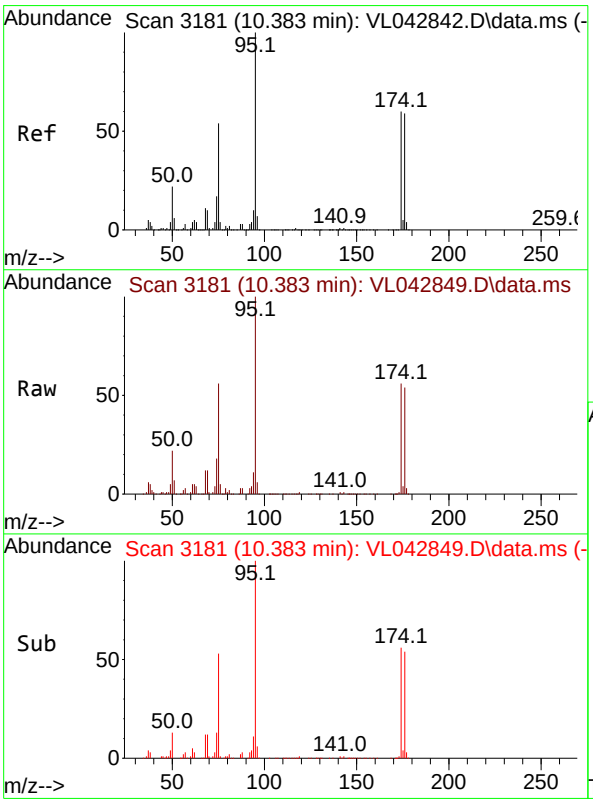
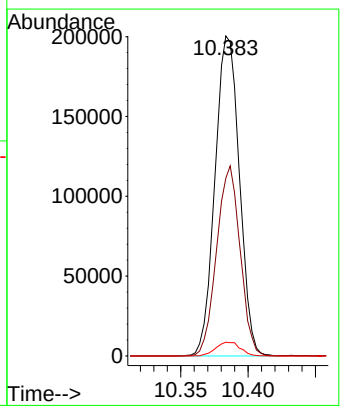
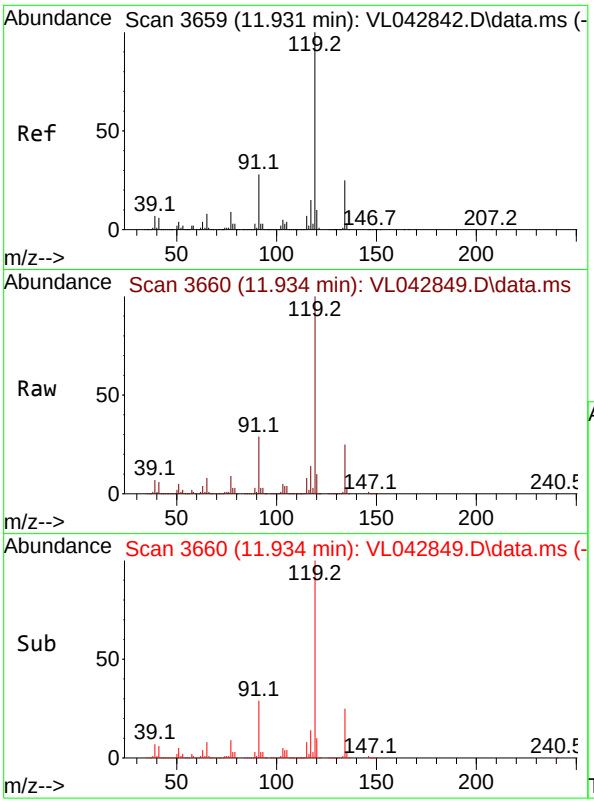


#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 95 Resp: 252268

Ion	Ratio	Lower	Upper
95	100		
174	57.2	48.4	72.6
175	4.4	3.8	5.8

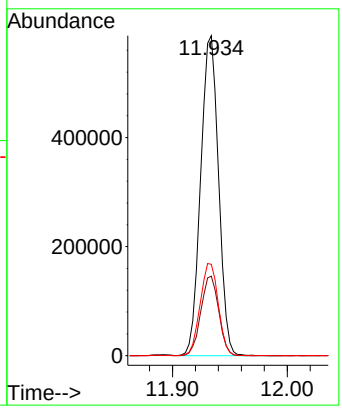




#69
p-Isopropyltoluene
Concen: 8.810 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:119 Resp: 63467

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.6	30.8
91	29.4	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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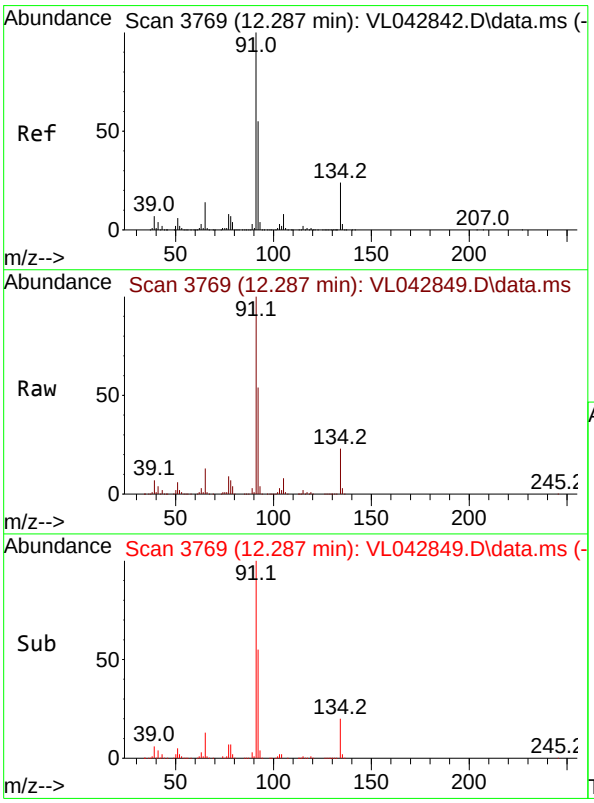
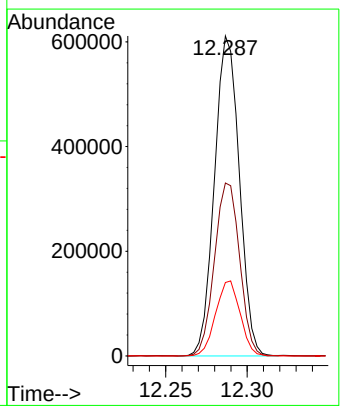
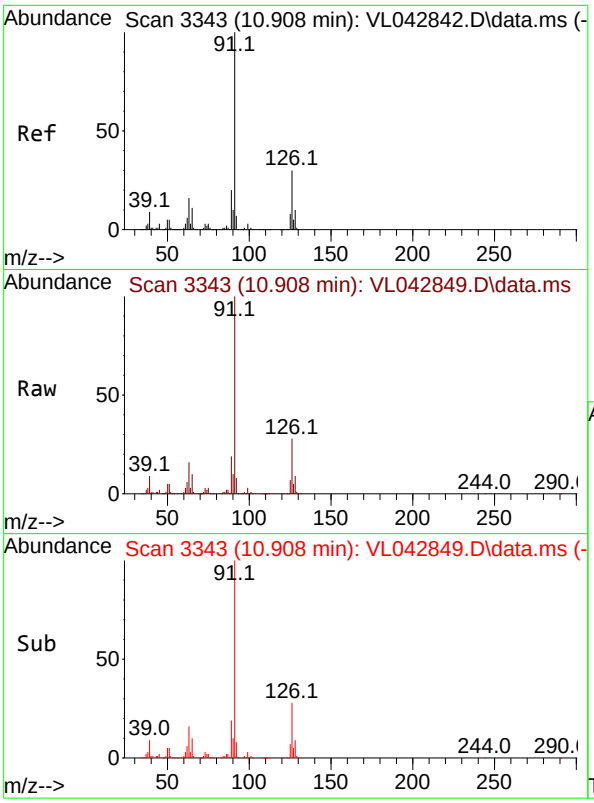


#70
n-Butylbenzene
Concen: 9.062 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 647453

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	23.1	19.0	28.4

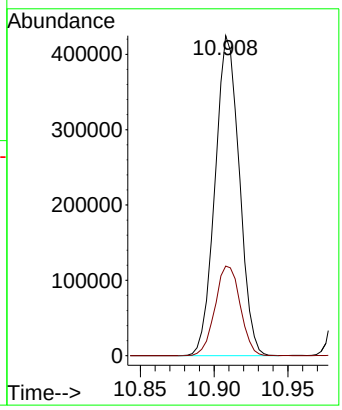




#71
2-Chlorotoluene
Concen: 9.214 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 48517

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.0	47.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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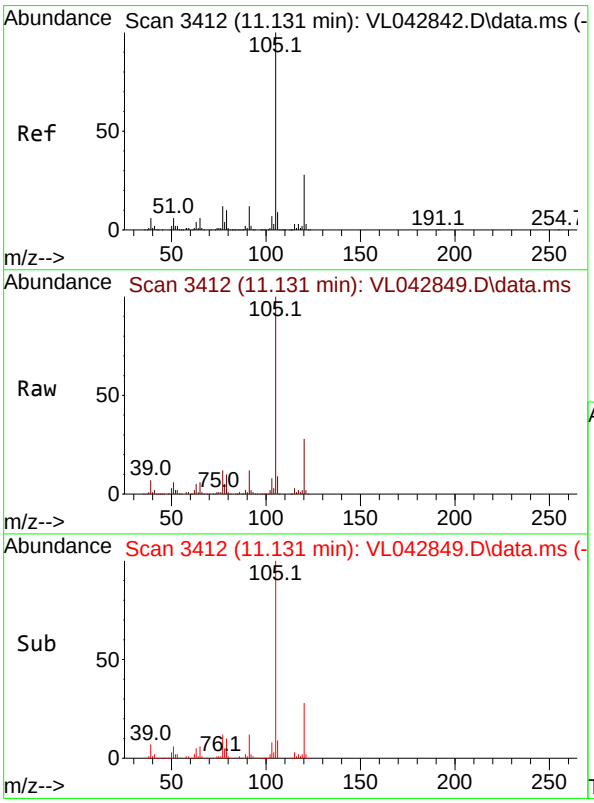
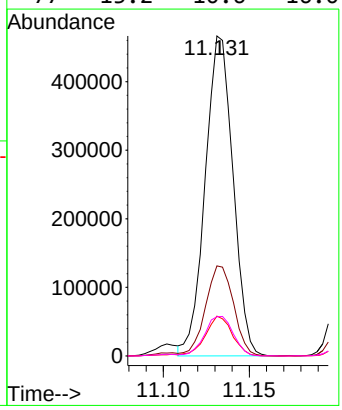
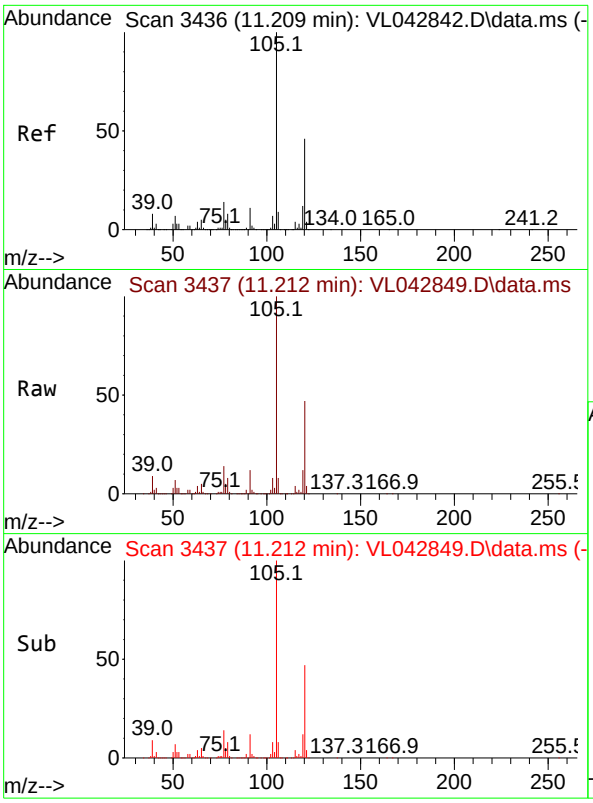


#72
4-Ethyltoluene
Concen: 9.338 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 525262

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.4	35.2
91	12.5	9.8	14.6
77	13.2	10.6	16.0

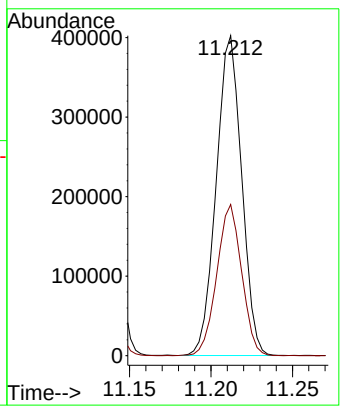




#73
1,3,5-Trimethylbenzene
Concen: 9.108 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 43570

Ion	Ratio	Lower	Upper
105	100		
120	47.2	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
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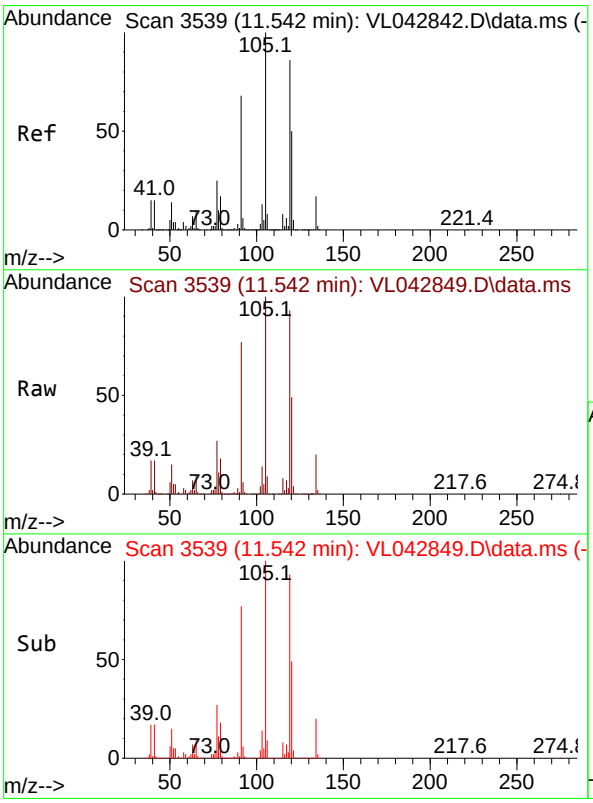
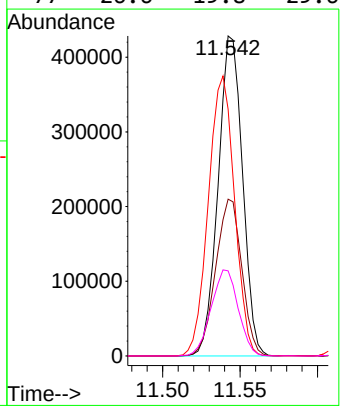
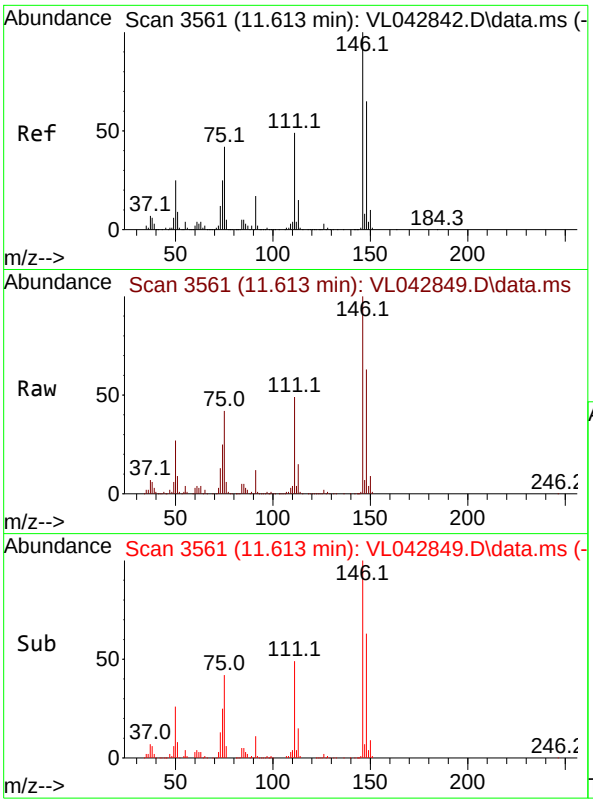


#74
1,2,4-Trimethylbenzene
Concen: 8.943 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 469573

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.8	59.6
91	77.0	54.2	81.4
77	26.6	19.8	29.6

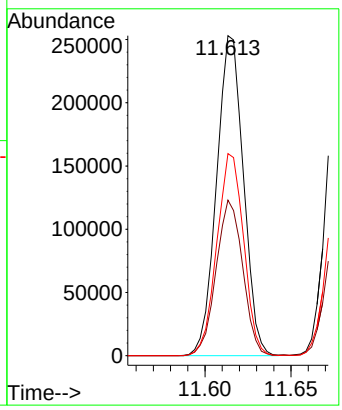




#75
1,3-Dichlorobenzene
Concen: 9.209 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:146 Resp: 27487

Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.9	71.7
148	63.0	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

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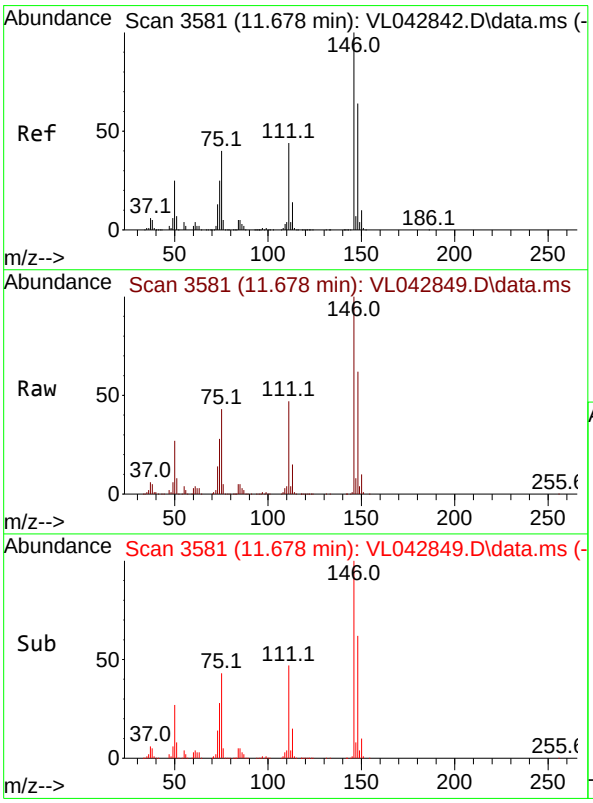
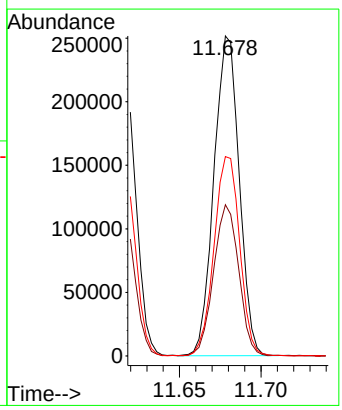
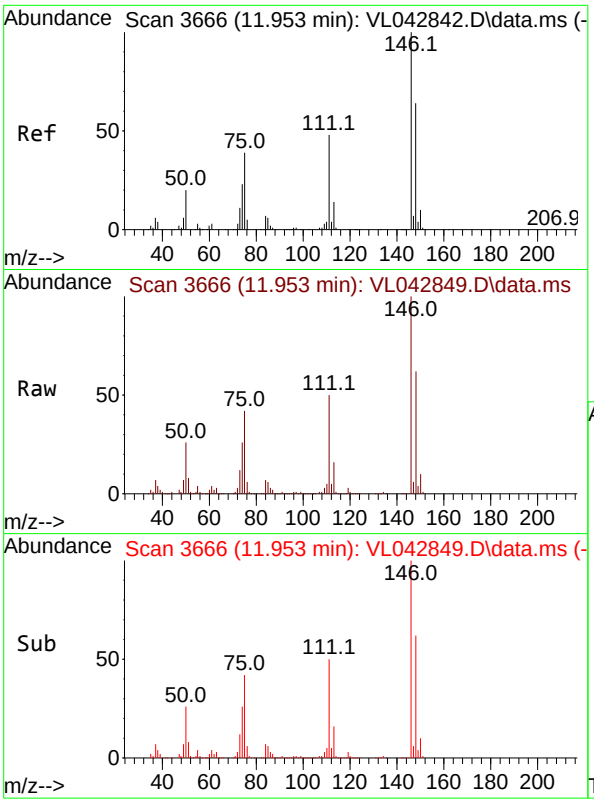


#76
1,4-Dichlorobenzene
Concen: 8.976 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:146 Resp: 270976

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.7	68.1
148	63.6	31.8	95.3

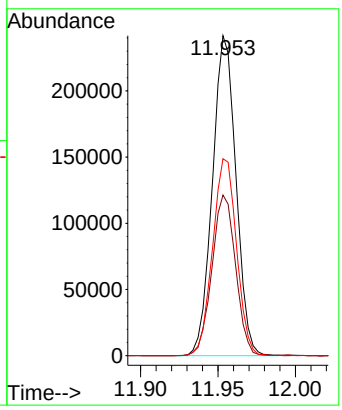




#77
1,2-Dichlorobenzene
Concen: 8.736 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:146 Resp: 25534

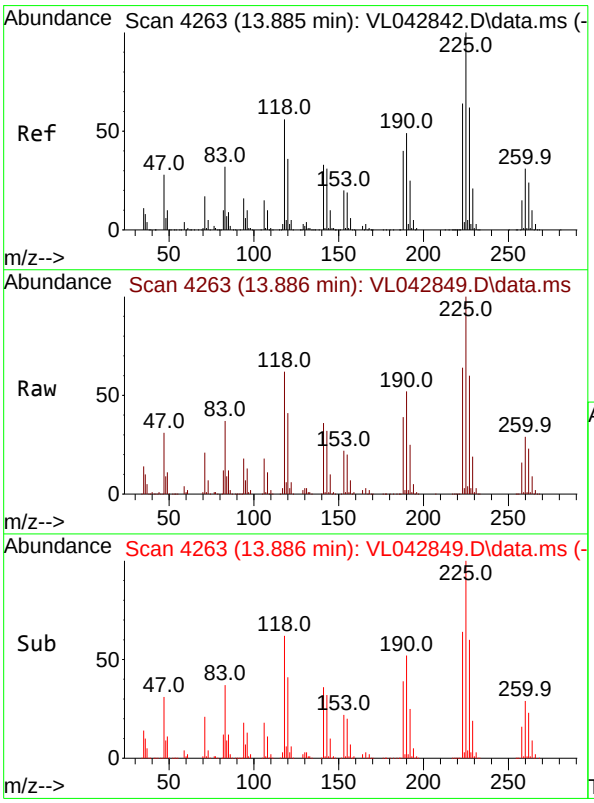
Ion	Ratio	Lower	Upper
146	100		
111	50.5	24.6	74.0
148	62.7	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations
APPROVED

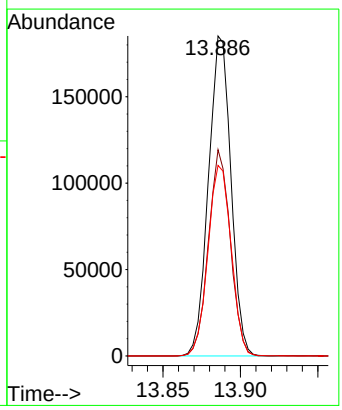
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

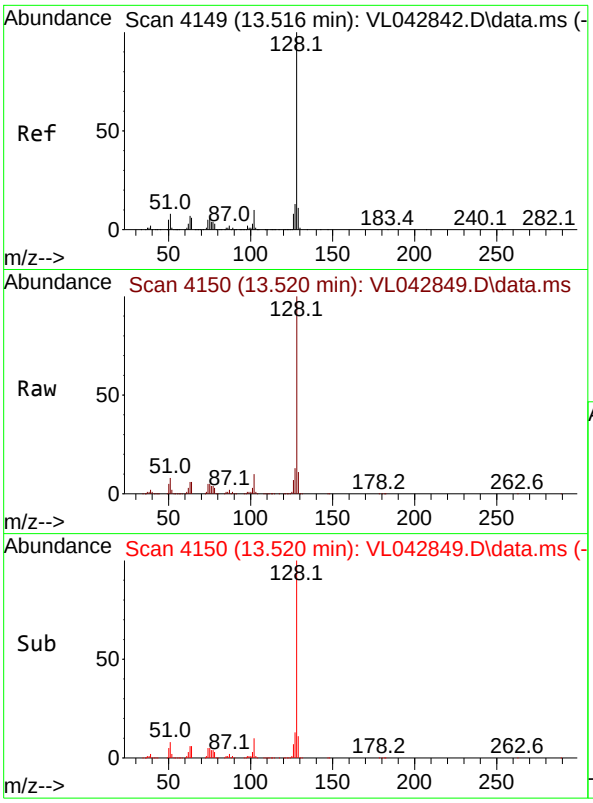


#78
Hexachloro-1,3-Butadiene
Concen: 7.778 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:225 Resp: 186318

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.4	77.2
227	61.6	51.9	77.9

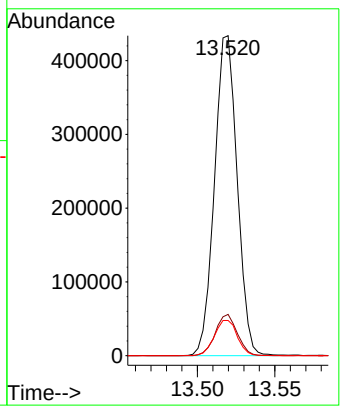




#79
Naphthalene
Concen: 9.284 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:128 Resp: 44194

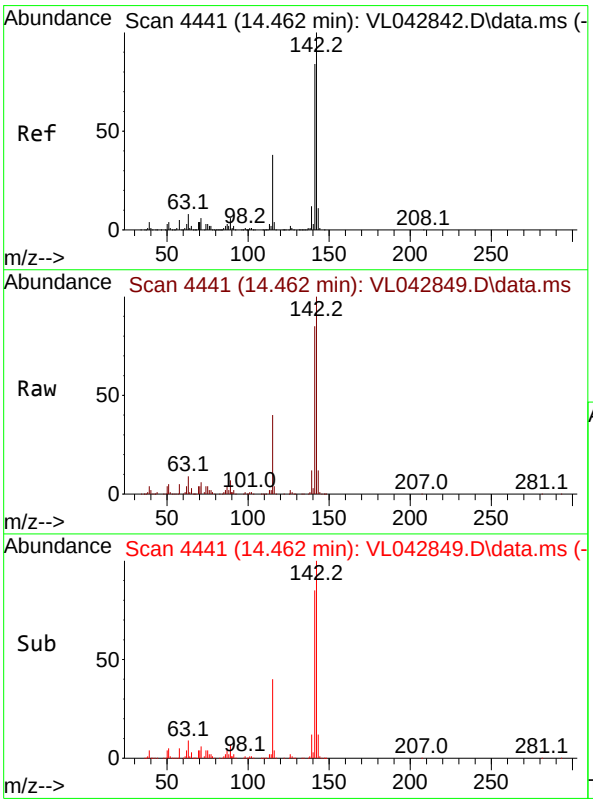
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations
APPROVED

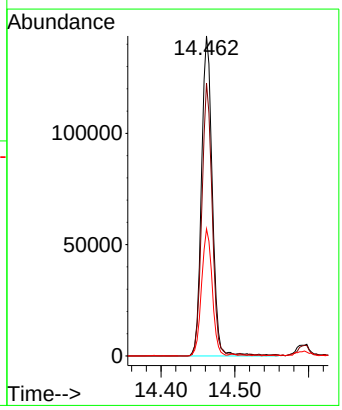
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

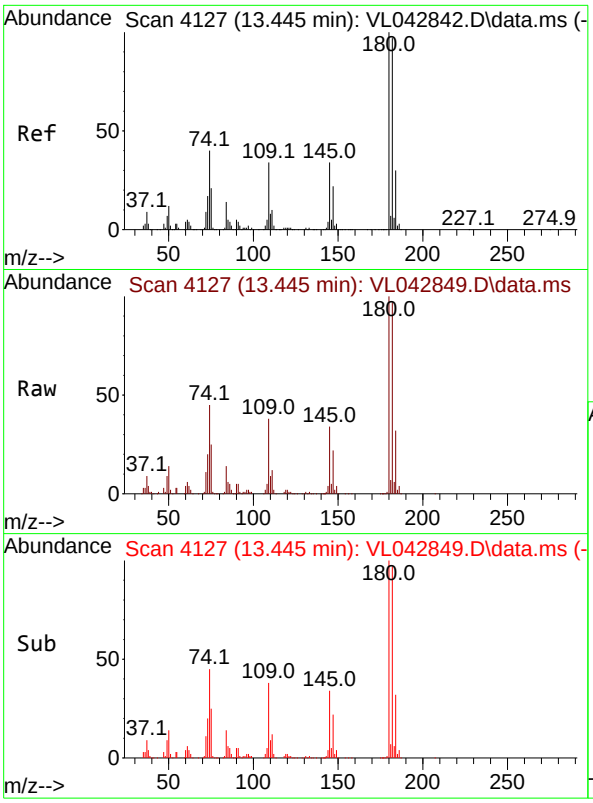


#80
Naphthalene,2-methyl-
Concen: 8.188 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:142 Resp: 145644

Ion	Ratio	Lower	Upper
142	100		
141	81.9	67.0	100.6
115	40.2	30.9	46.3

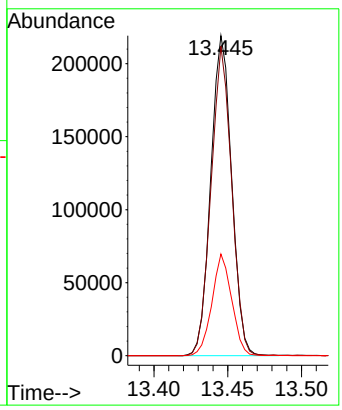




#81
1,2,4-Trichlorobenzene
Concen: 9.016 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:180 Resp: 21571

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.1	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	1.466	1.334	9.0	91	0.00
3		Chlorodifluoromethane	1.620	1.511	6.7	92	0.00
4		Chloromethane	0.591	0.520	12.0	90	0.00
5	T	Vinyl Chloride	0.582	0.479	17.7	88	0.00
6	T	Bromomethane	0.233	0.205	12.0	93	0.00
7		Chloroethane	0.227	0.190	16.3	87	0.00
8	T	Dichlorotetrafluoroethane	1.199	1.109	7.5	91	0.00
9	T	Propene	0.700	0.624	10.9	88	0.00
10	T	Heptane	1.874	1.685	10.1	90	0.00
11	T	Trichlorofluoromethane	1.446	1.259	12.9	91	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.152	1.017	11.7	89	0.00
13		Ethanol	0.064	0.049#	23.4	97	0.00
14	T	Bromoethene	0.417	0.380	8.9	92	0.00
15	T	Acetone	1.323	0.977	26.2	95	0.00
16	T	1,3-Butadiene	0.600	0.497	17.2	91	0.00
17		tert-Butyl alcohol	1.569	1.359	13.4	91	0.00
18	T	1,1-Dichloroethene	0.507	0.460	9.3	90	0.00
19	T	Isopropyl Alcohol	0.790	0.644	18.5	91	0.00
20	T	Methylene Chloride	0.554	0.390	29.6	87	0.00
21	T	Allyl Chloride	0.935	0.837	10.5	91	0.00
22	T	trans-1,2-Dichloroethene	0.586	0.522	10.9	89	0.00
23	T	Vinyl Acetate	1.819	1.617	11.1	89	0.00
24	T	1,1-Dichloroethane	1.171	1.042	11.0	92	0.00
25	T	Ethyl Acetate	3.202	2.958	7.6	93	0.00
26	T	Hexane	1.478	1.366	7.6	90	0.00
27	T	Carbon Disulfide	1.438	1.271	11.6	89	0.00
28	T	Methyl tert-Butyl Ether	0.754	0.670	11.1	93	0.00
29	T	Chloroform	2.110	1.978	6.3	94	0.00
30	T	Cyclohexane	1.296	1.204	7.1	91	0.00
31	T	cis-1,2-Dichloroethene	1.476	1.357	8.1	93	0.00
32	T	1,1,1-Trichloroethane	2.230	2.064	7.4	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.675	0.617	8.6	92	0.00
35	T	Carbon Tetrachloride	0.689	0.653	5.2	93	0.00
36	T	Benzene	0.958	0.919	4.1	91	0.00
37	T	1,2-Dichloroethane	0.500	0.500	0.0	94	0.00
38	T	Trichloroethene	0.437	0.402	8.0	91	0.00
39	T	1,2-Dichloropropane	0.350	0.330	5.7	92	0.00
40	T	1,4-Dioxane	0.166	0.148	10.8	90	0.00
41	T	Tetrahydrofuran	0.376	0.353	6.1	90	0.00
42	T	Bromodichloromethane	0.745	0.721	3.2	92	0.00
43		Methyl Methacrylate	0.394	0.364	7.6	90	0.00
44	T	2,2,4-Trimethylpentane	1.625	1.510	7.1	90	0.00
45	T	t-1,3-Dichloropropene	0.445	0.429	3.6	91	0.00
46	T	cis-1,3-Dichloropropene	0.555	0.534	3.8	90	0.00
47	T	1,1,2-Trichloroethane	0.371	0.354	4.6	94	0.00
48	T	Dibromochloromethane	0.600	0.582	3.0	90	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.495	0.467	5.7	86	0.00
50	T	4-Methyl-2-Pentanone	0.913	0.861	5.7	88	0.00
51	T	2-Hexanone	0.718	0.703	2.1	91	0.00
52	T	Tetrachloroethene	0.346	0.296	14.5	86	0.00
53	T	Toluene	1.138	1.063	6.6	90	0.00
54	T	1,2-Dibromoethane	0.542	0.516	4.8	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.517	0.480	7.2	91	0.00
57	T	Chlorobenzene	0.951	0.892	6.2	91	0.00
58	T	Ethyl Benzene	1.765	1.661	5.9	91	0.00
59	T	m/p-Xylene	1.383	1.297	6.2	91	0.02
60	T	o-Xylene	1.391	1.286	7.5	91	0.00
61	T	Styrene	0.652	0.611	6.3	90	0.00
62		Isopropylbenzene	2.033	1.872	7.9	91	0.00
63	T	1,1,2,2-Tetrachloroethane	0.765	0.675	11.8	90	0.00
64		n-propylbenzene	0.519	0.474	8.7	90	0.00
65		tert-Butylbenzene	1.793	1.604	10.5	90	0.00
66	T	Benzyl Chloride	0.228	0.206	9.6	81	0.00
67		sec-Butylbenzene	2.516	2.287	9.1	92	0.00
68	S	1-Bromo-4-Fluorobenzene	0.750	0.756	-0.8	90	0.00
69		p-Isopropyltoluene	2.160	1.903	11.9	90	0.00
70		n-Butylbenzene	2.142	1.941	9.4	91	0.00
71		2-Chlorotoluene	1.579	1.455	7.9	92	0.00
72	T	4-Ethyltoluene	1.687	1.575	6.6	91	0.00
73	T	1,3,5-Trimethylbenzene	1.434	1.306	8.9	91	0.00
74	T	1,2,4-Trimethylbenzene	1.574	1.408	10.5	91	0.00
75	T	1,3-Dichlorobenzene	0.895	0.824	7.9	89	0.00
76	T	1,4-Dichlorobenzene	0.905	0.813	10.2	88	0.00
77	T	1,2-Dichlorobenzene	0.876	0.766	12.6	88	0.00
78	T	Hexachloro-1,3-Butadiene	0.718	0.559	22.1	88	0.00
79	T	Naphthalene	1.427	1.325	7.1	91	0.00
80	T	Naphthalene,2-methyl-	0.533	0.437	18.0	82	0.00
81	T	1,2,4-Trichlorobenzene	0.717	0.647	9.8	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	10.000	9.105	8.9	91	0.00
3		Chlorodifluoromethane	10.000	9.327	6.7	92	0.00
4		Chloromethane	10.000	8.784	12.2	90	0.00
5	T	Vinyl Chloride	10.000	8.232	17.7	88	0.00
6	T	Bromomethane	10.000	8.801	12.0	93	0.00
7		Chloroethane	10.000	8.360	16.4	87	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.248	7.5	91	0.00
9	T	Propene	10.000	8.922	10.8	88	0.00
10	T	Heptane	10.000	8.990	10.1	90	0.00
11	T	Trichlorofluoromethane	10.000	8.707	12.9	91	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	8.824	11.8	89	0.00
13		Ethanol	10.000	7.678	23.2	97	0.00
14	T	Bromoethene	10.000	9.105	8.9	92	0.00
15	T	Acetone	10.000	7.389	26.1	95	0.00
16	T	1,3-Butadiene	10.000	8.285	17.1	91	0.00
17		tert-Butyl alcohol	10.000	8.663	13.4	91	0.00
18	T	1,1-Dichloroethene	10.000	9.087	9.1	90	0.00
19	T	Isopropyl Alcohol	10.000	8.146	18.5	91	0.00
20	T	Methylene Chloride	10.000	7.041	29.6	87	0.00
21	T	Allyl Chloride	10.000	8.956	10.4	91	0.00
22	T	trans-1,2-Dichloroethene	10.000	8.904	11.0	89	0.00
23	T	Vinyl Acetate	10.000	8.891	11.1	89	0.00
24	T	1,1-Dichloroethane	10.000	8.903	11.0	92	0.00
25	T	Ethyl Acetate	10.000	9.240	7.6	93	0.00
26	T	Hexane	10.000	9.246	7.5	90	0.00
27	T	Carbon Disulfide	10.000	8.841	11.6	89	0.00
28	T	Methyl tert-Butyl Ether	10.000	8.898	11.0	93	0.00
29	T	Chloroform	10.000	9.377	6.2	94	0.00
30	T	Cyclohexane	10.000	9.289	7.1	91	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.196	8.0	93	0.00
32	T	1,1,1-Trichloroethane	10.000	9.256	7.4	95	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	9.135	8.7	92	0.00
35	T	Carbon Tetrachloride	10.000	9.478	5.2	93	0.00
36	T	Benzene	10.000	9.592	4.1	91	0.00
37	T	1,2-Dichloroethane	10.000	9.991	0.1	94	0.00
38	T	Trichloroethene	10.000	9.202	8.0	91	0.00
39	T	1,2-Dichloropropane	10.000	9.436	5.6	92	0.00
40	T	1,4-Dioxane	10.000	8.879	11.2	90	0.00
41	T	Tetrahydrofuran	10.000	9.372	6.3	90	0.00
42	T	Bromodichloromethane	10.000	9.678	3.2	92	0.00
43		Methyl Methacrylate	10.000	9.229	7.7	90	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.290	7.1	90	0.00
45	T	t-1,3-Dichloropropene	10.000	9.645	3.6	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.628	3.7	90	0.00
47	T	1,1,2-Trichloroethane	10.000	9.553	4.5	94	0.00
48	T	Dibromochloromethane	10.000	9.708	2.9	90	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	9.446	5.5	86	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.430	5.7	88	0.00
51	T	2-Hexanone	10.000	9.791	2.1	91	0.00
52	T	Tetrachloroethene	10.000	8.544	14.6	86	0.00
53	T	Toluene	10.000	9.340	6.6	90	0.00
54	T	1,2-Dibromoethane	10.000	9.535	4.6	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.291	7.1	91	0.00
57	T	Chlorobenzene	10.000	9.378	6.2	91	0.00
58	T	Ethyl Benzene	10.000	9.414	5.9	91	0.00
59	T	m/p-Xylene	20.000	18.754	6.2	91	0.02
60	T	o-Xylene	10.000	9.239	7.6	91	0.00
61	T	Styrene	10.000	9.377	6.2	90	0.00
62		Isopropylbenzene	10.000	9.206	7.9	91	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.826	11.7	90	0.00
64		n-propylbenzene	10.000	9.145	8.6	90	0.00
65		tert-Butylbenzene	10.000	8.946	10.5	90	0.00
66	T	Benzyl Chloride	10.000	9.031	9.7	81	0.00
67		sec-Butylbenzene	10.000	9.088	9.1	92	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.086	-0.9	90	0.00
69		p-Isopropyltoluene	10.000	8.810	11.9	90	0.00
70		n-Butylbenzene	10.000	9.062	9.4	91	0.00
71		2-Chlorotoluene	10.000	9.214	7.9	92	0.00
72	T	4-Ethyltoluene	10.000	9.338	6.6	91	0.00
73	T	1,3,5-Trimethylbenzene	10.000	9.108	8.9	91	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.943	10.6	91	0.00
75	T	1,3-Dichlorobenzene	10.000	9.209	7.9	89	0.00
76	T	1,4-Dichlorobenzene	10.000	8.976	10.2	88	0.00
77	T	1,2-Dichlorobenzene	10.000	8.736	12.6	88	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.778	22.2	88	0.00
79	T	Naphthalene	10.000	9.284	7.2	91	0.00
80	T	Naphthalene,2-methyl-	10.000	8.188	18.1	82	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.016	9.8	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: ALLI03

Lab Code: ACE | SDG No.: Q2727

Instrument ID: MSVOA_L | Calibration Date/Time: 07/31/2025 08:37

Lab File ID: VL042788.D | Init. Calib. Date(s): 07/23/2025 07/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:58 13:00

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorodifluoromethane	0.592	0.627		5.91	30
Dichlorodifluoromethane	1.322	1.259		-4.77	30
Ethanol	0.083	0.052		-37.35	30
Chloromethane	0.535	0.500		-6.54	30
Vinyl Chloride	0.528	0.464		-12.12	30
Ethyl Acetate	3.056	3.271		7.03	30
Bromomethane	0.204	0.201		-1.47	30
Chloroethane	0.204	0.187		-8.33	30
Tetrahydrofuran	0.360	0.413		14.72	30
Trichlorofluoromethane	1.363	1.244		-8.73	30
1,1,2-Trichlorotrifluoroethane	1.036	0.994		-4.05	30
Dichlorotetrafluoroethane	1.087	1.041		-4.23	30
Bromoethene	0.367	0.353		-3.82	30
Propene	0.626	0.681		8.79	30
tert-Butyl alcohol	1.245	1.150		-7.63	30
Heptane	1.688	1.848		9.48	30
Isopropyl Alcohol	0.734	0.677		-7.77	30
1,1-Dichloroethene	0.468	0.430		-8.12	30
Acetone	1.381	1.094		-20.78	30
Carbon Disulfide	1.148	1.189		3.57	30
Methyl tert-Butyl Ether	0.633	0.632		-0.16	30
Methylene Chloride	0.435	0.373		-14.25	30
trans-1,2-Dichloroethene	0.503	0.484		-3.78	30
Vinyl Acetate	1.674	2.050		22.46	30
1,1-Dichloroethane	1.033	0.981		-5.03	30
Cyclohexane	1.137	1.182		3.96	30
2-Butanone	0.708	0.760		7.34	30
Carbon Tetrachloride	0.743	0.793		6.73	30
cis-1,2-Dichloroethene	1.378	1.412		2.47	30
Chloroform	2.072	2.165		4.49	30
1,1,1-Trichloroethane	2.158	2.126		-1.48	30
2,2,4-Trimethylpentane	1.545	1.721		11.39	30
Benzene	0.948	1.000		5.49	30
1,2-Dichloroethane	0.571	0.605		5.95	30
Trichloroethene	0.455	0.455		0	30
1,2-Dichloropropane	0.350	0.367		4.86	30
Bromodichloromethane	0.744	0.827		11.16	30
4-Methyl-2-Pentanone	0.912	1.013		11.07	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ALLI03
Lab Code: ACE
SDG No.: Q2727
Instrument ID: MSVOA_L
Calibration Date/Time: 07/31/2025 08:37
Lab File ID: VL042788.D
Init. Calib. Date(s): 07/23/2025 07/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 08:58 13:00
GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	1.018	1.124		10.41	30
t-1,3-Dichloropropene	0.378	0.430		13.76	30
cis-1,3-Dichloropropene	0.479	0.555		15.87	30
1,1,2-Trichloroethane	0.373	0.396		6.17	30
2-Hexanone	0.690	0.812		17.68	30
Dibromochloromethane	0.592	0.672		13.51	30
1,2-Dibromoethane	0.527	0.584		10.82	30
Tetrachloroethene	0.393	0.366		-6.87	30
Chlorobenzene	0.968	1.012		4.55	30
Ethyl Benzene	1.579	1.780		12.73	30
m/p-Xylene	1.262	1.455		15.29	30
o-Xylene	1.261	1.439		14.12	30
Styrene	0.531	0.623		17.33	30
Bromoform	0.516	0.596		15.5	30
Isopropylbenzene	1.860	2.071		11.34	30
1,1,2,2-Tetrachloroethane	0.810	0.843		4.07	30
2-Chlorotoluene	1.426	1.598		12.06	30
1,3,5-Trimethylbenzene	1.240	1.462		17.9	30
1,2,4-Trimethylbenzene	1.353	1.627		20.25	30
1,3-Dichlorobenzene	0.948	1.048		10.55	30
1,4-Dichlorobenzene	0.928	1.040		12.07	30
1,2-Dichlorobenzene	0.932	1.008		8.15	30
1,2,4-Trichlorobenzene	0.635	0.910		43.31	30
Hexachloro-1,3-Butadiene	0.844	0.816		-3.32	30
1,3-Butadiene	0.589	0.555		-5.77	30
Naphthalene	0.958	1.624		69.52	30
4-Ethyltoluene	1.506	1.769		17.46	30
1-Bromo-4-Fluorobenzene	0.792	0.815		2.9	30
Hexane	1.341	1.394		3.95	30
Allyl Chloride	0.851	0.845		-0.7	30
Benzyl Chloride	0.136	0.188		38.24	30
1,4-Dioxane	163.065	163.857		0.49	30
Methyl Methacrylate	0.337	0.385		14.24	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	139439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391811	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	345903	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	282020	10.295	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	175602	9.525	ppbv	99
3) Chlorodifluoromethane	1.479	51	245813	10.235	ppbv	98
4) Chloromethane	1.534	50	69667	9.341	ppbv	96
5) Vinyl Chloride	1.583	62	64707	8.781	ppbv	94
6) Bromomethane	1.670	94	28024	9.837	ppbv	96
7) Chloroethane	1.706	64	26081	9.160	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	145116	9.571	ppbv	98
9) Propene	1.486	41	94980	10.882	ppbv	100
10) Heptane	4.991	43	257717	10.950	ppbv	96
11) Trichlorofluoromethane	1.881	101	173476	9.128	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	138636	9.600	ppbv	97
13) Ethanol	1.725	45	7183	10.150	ppbv	95
14) Bromoethene	1.784	108	49283	9.639	ppbv	98
15) Acetone	1.839	43	152576	7.924	ppbv	100
16) 1,3-Butadiene	1.612	39	77405	9.425	ppbv	99
17) tert-Butyl alcohol	2.043	59	160407	9.237	ppbv	99
18) 1,1-Dichloroethene	2.039	96	60001	9.195	ppbv	92
19) Isopropyl Alcohol	1.891	45	94435	9.229	ppbv	95
20) Methylene Chloride	2.065	84	51973	8.566	ppbv	95
21) Allyl Chloride	2.101	41	117837	9.930	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	67488	9.614	ppbv	95
23) Vinyl Acetate	2.467	43	285868	12.247	ppbv	99
24) 1,1-Dichloroethane	2.415	63	136815	9.496	ppbv	100
25) Ethyl Acetate	2.842	43	456109	10.702	ppbv	100
26) Hexane	2.832	57	194417	10.399	ppbv	98
27) Carbon Disulfide	2.156	76	165760	10.356	ppbv	96
28) Methyl tert-Butyl Ether	2.447	73	88166	9.982	ppbv	98
29) Chloroform	2.855	83	301928	10.451	ppbv	95
30) Cyclohexane	3.865	84	164864	10.398	ppbv	96
31) cis-1,2-Dichloroethene	2.726	61	196928	10.250	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	296432	9.850	ppbv	100
34) 2-Butanone	2.561	43	297678	10.726	ppbv	98
35) Carbon Tetrachloride	3.771	117	310581	10.672	ppbv	98
36) Benzene	3.664	78	391679	10.548	ppbv	99
37) 1,2-Dichloroethane	3.227	62	236929	10.592	ppbv	99
38) Trichloroethene	4.561	130	178226	9.991	ppbv	97
39) 1,2-Dichloropropane	4.324	63	143986	10.505	ppbv	95
40) 1,4-Dioxane	4.596	88	64201	10.049	ppbv #	94
41) Tetrahydrofuran	3.059	42	161670	11.447	ppbv	97
42) Bromodichloromethane	4.499	83	324091	11.125	ppbv	100
43) Methyl Methacrylate	4.891	69	150704	11.418	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	674333	11.142	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	168632	11.393	ppbv	91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	217364	11.589	ppbv		94
47) 1,1,2-Trichloroethane	6.597	97	155145	10.618	ppbv		97
48) Dibromochloromethane	7.399	129	263177	11.346	ppbv		98
49) Bromoform	9.493	173	233626	11.551	ppbv		98
50) 4-Methyl-2-Pentanone	5.765	43	396864	11.101	ppbv		100
51) 2-Hexanone	7.448	43	318210	11.778	ppbv	#	99
52) Tetrachloroethene	8.234	164	143437	9.319	ppbv		98
53) Toluene	6.946	91	440370	11.044	ppbv		99
54) 1,2-Dibromoethane	7.665	107	228691	11.078	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.937	131	196819	10.944	ppbv		99
57) Chlorobenzene	8.933	112	349998	10.455	ppbv	#	95
58) Ethyl Benzene	9.364	91	615736	11.272	ppbv		99
59) m/p-Xylene	9.561	91	1006369m	23.053	ppbv		
60) o-Xylene	9.972	91	497901	11.414	ppbv		99
61) Styrene	9.882	104	215469	11.742	ppbv		99
62) Isopropylbenzene	10.549	105	716277	11.132	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.972	83	291626	10.413	ppbv		99
64) n-propylbenzene	10.998	120	193965	11.563	ppbv		98
65) tert-Butylbenzene	11.539	119	641028	11.215	ppbv		99
66) Benzyl Chloride	11.623	91	65004	13.854	ppbv		98
67) sec-Butylbenzene	11.775	105	905933	11.144	ppbv		100
69) p-Isopropyltoluene	11.931	119	763427	11.517	ppbv		99
70) n-Butylbenzene	12.287	91	779301	12.171	ppbv		99
71) 2-Chlorotoluene	10.908	91	552725	11.203	ppbv		100
72) 4-Ethyltoluene	11.134	105	611893	11.745	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	505734	11.791	ppbv		99
74) 1,2,4-Trimethylbenzene	11.545	105	562952	12.030	ppbv		93
75) 1,3-Dichlorobenzene	11.613	146	362463	11.049	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	359833	11.209	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	348624	10.812	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	282288	9.673	ppbv		98
79) Naphthalene	13.520	128	561584	11.014	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	249243	9.837	ppbv		99
81) 1,2,4-Trichlorobenzene	13.445	180	314832	10.987	ppbv		99

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

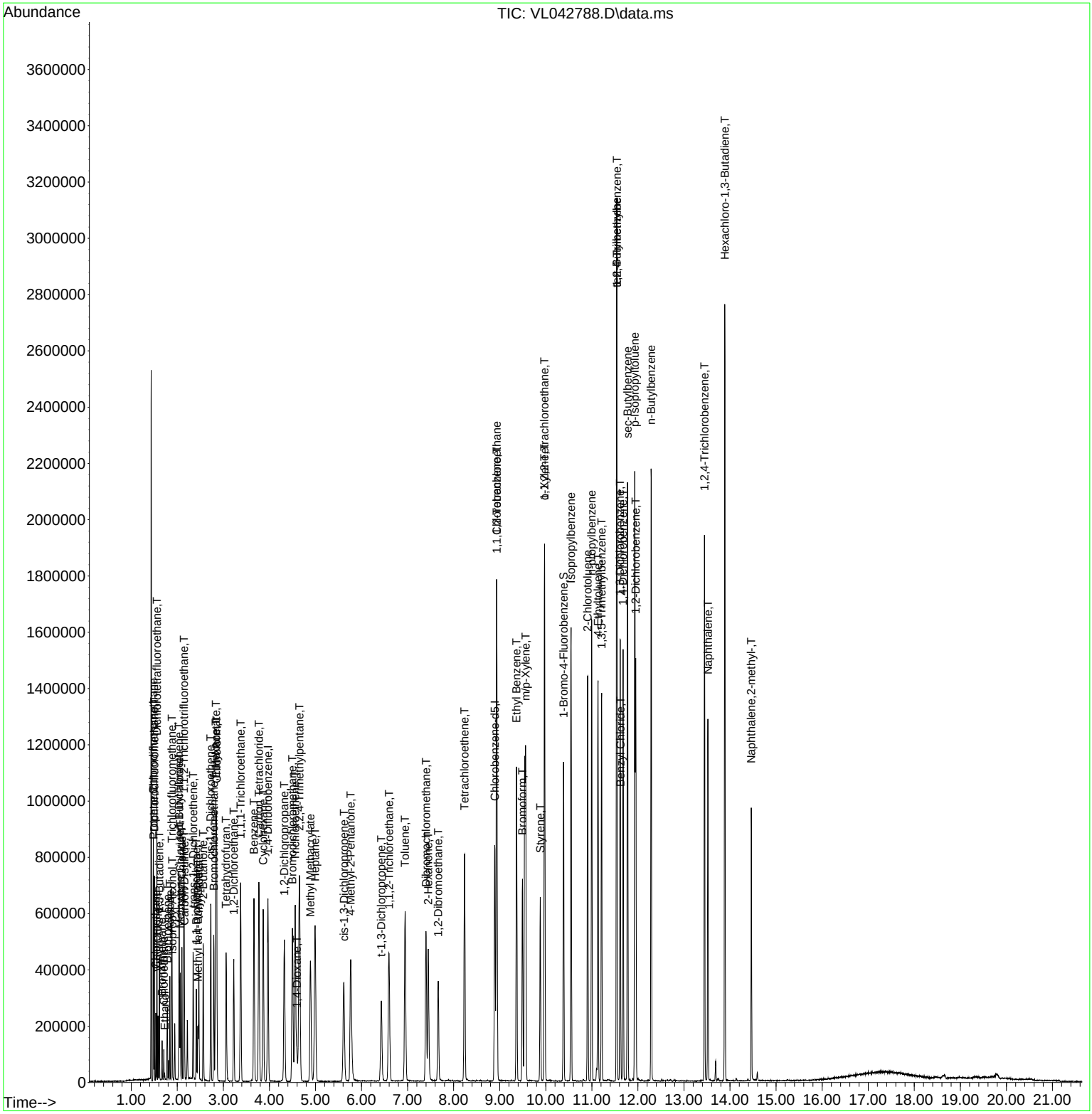
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

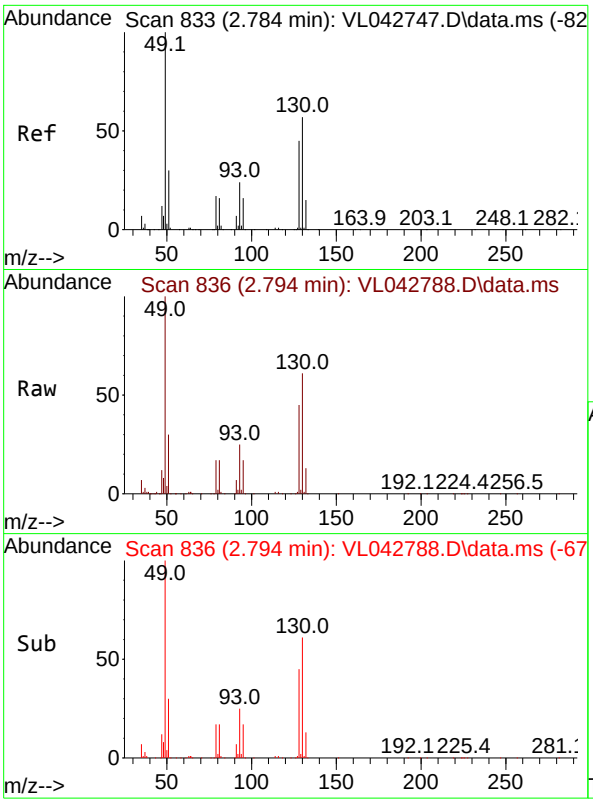
Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

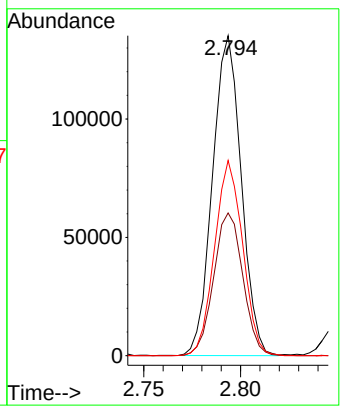




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 49 Resp: 13943

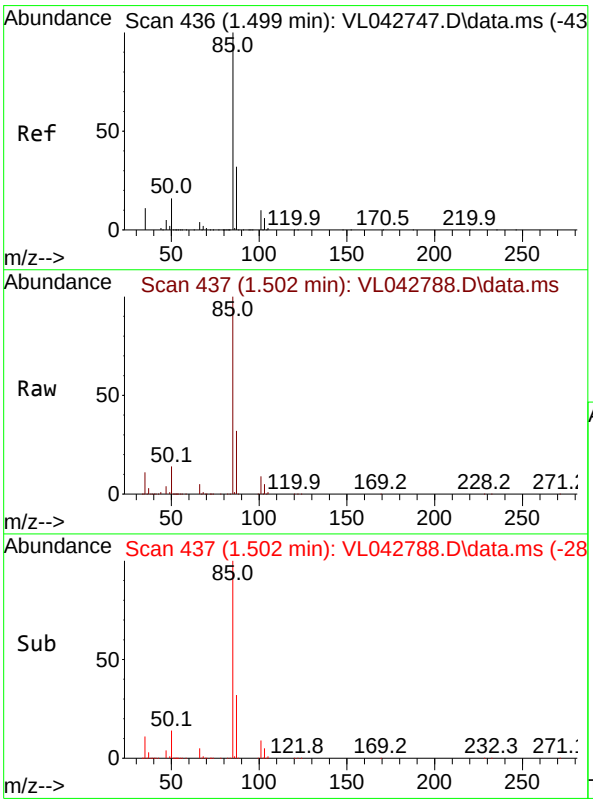
Ion	Ratio	Lower	Upper
49	100		
128	45.4	23.6	71.0
130	59.7	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

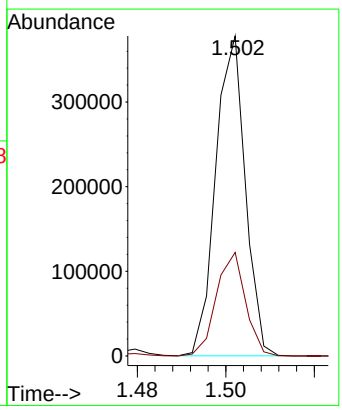
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

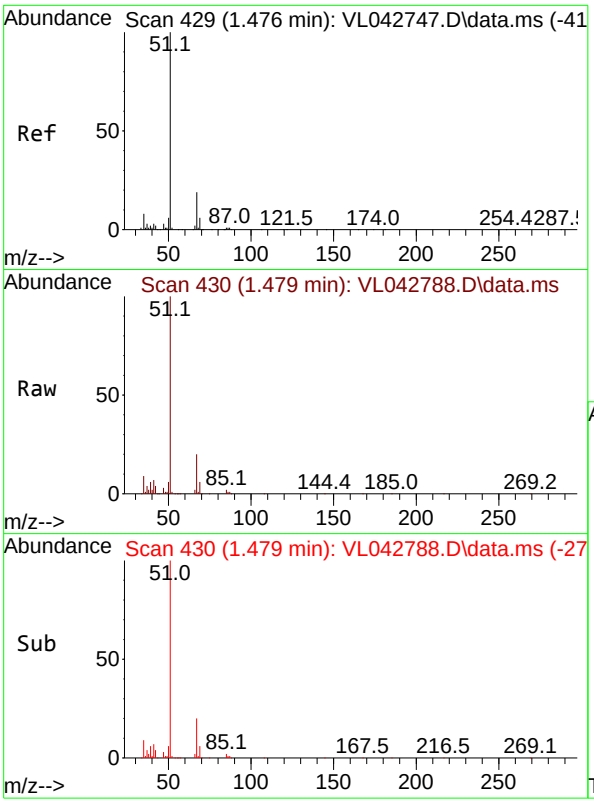


#2
Dichlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 175602

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.4	38.2

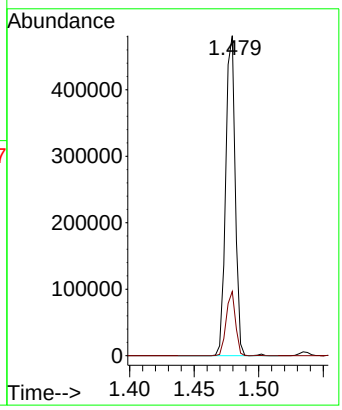




#3
Chlorodifluoromethane
Concen: 10.235 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 51 Resp: 24581

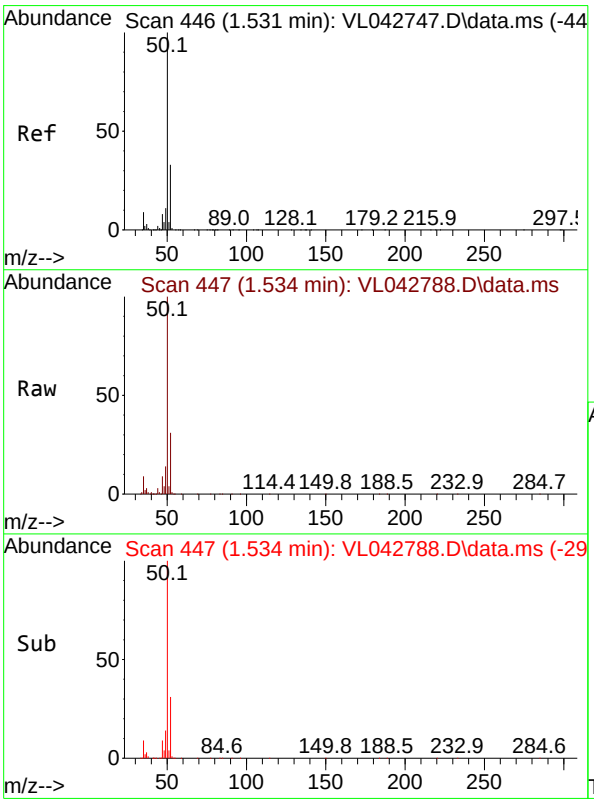
Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

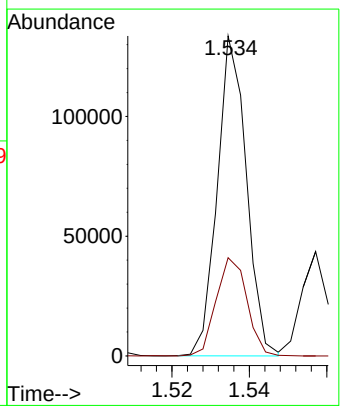
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

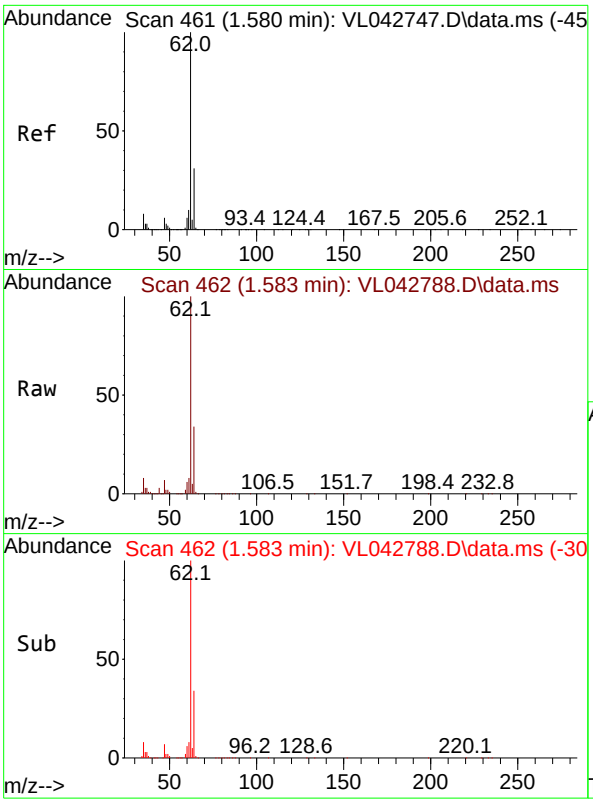


#4
Chloromethane
Concen: 9.341 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 50 Resp: 69667

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0

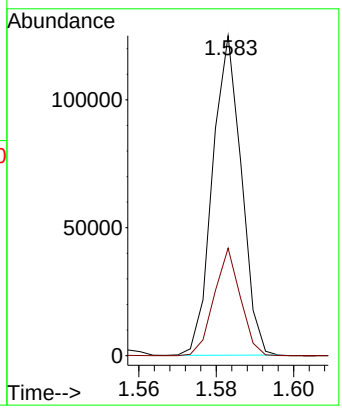




#5
Vinyl Chloride
Concen: 8.781 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 62 Resp: 6470

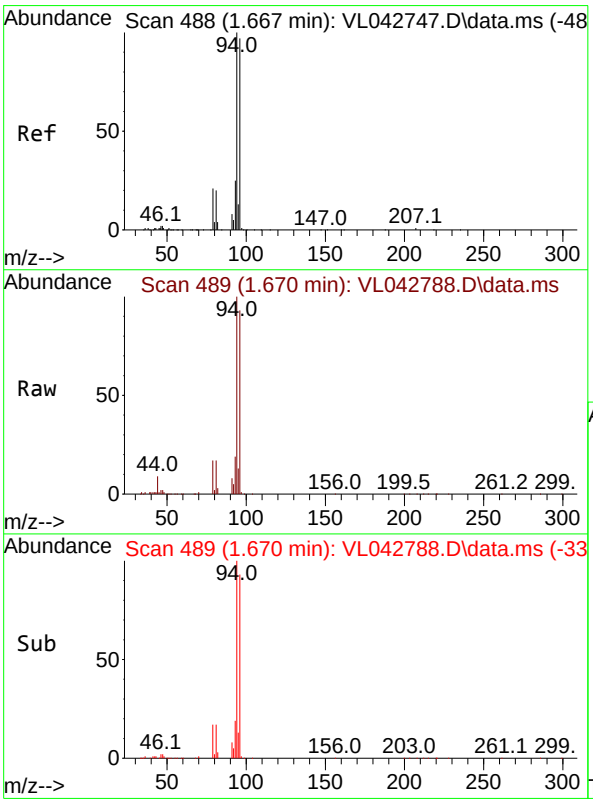
Ion	Ratio	Lower	Upper
62	100		
64	33.7	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

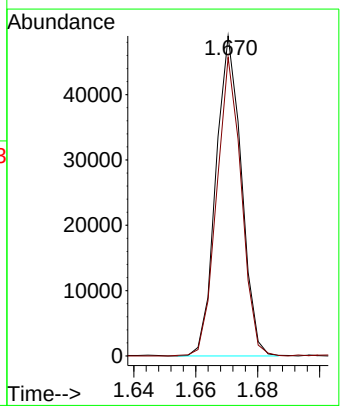
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

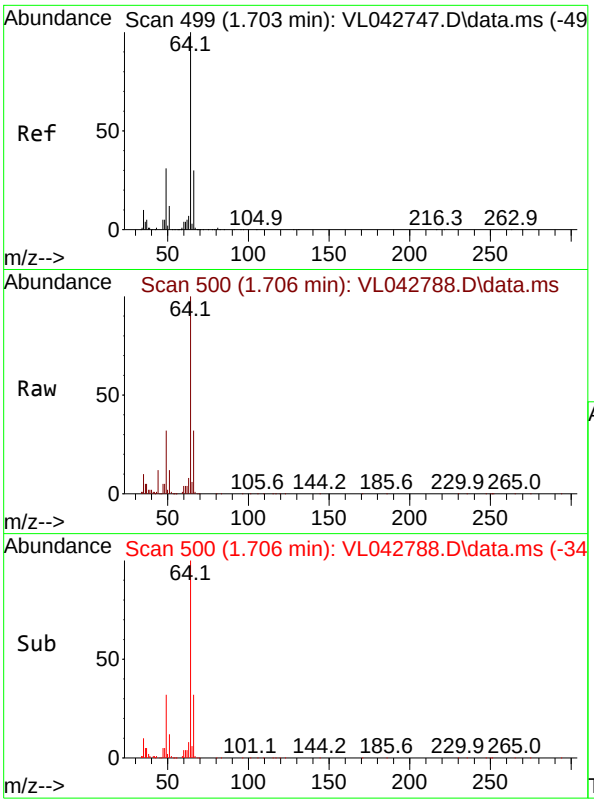


#6
Bromomethane
Concen: 9.837 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 94 Resp: 28024

Ion	Ratio	Lower	Upper
94	100		
96	93.2	77.6	116.4

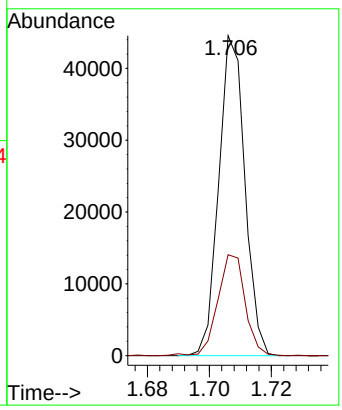




#7
Chloroethane
Concen: 9.160 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 64 Resp: 2608

Ion	Ratio	Lower	Upper
64	100		
66	31.5	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
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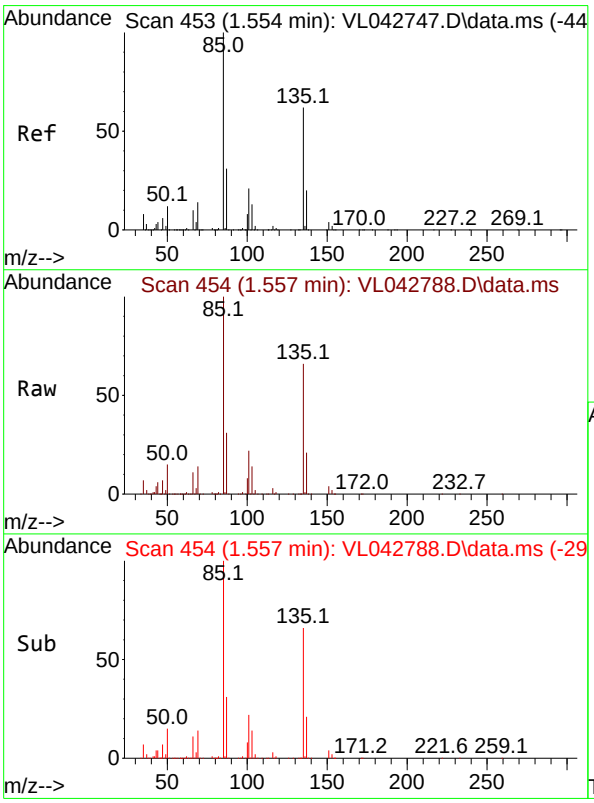
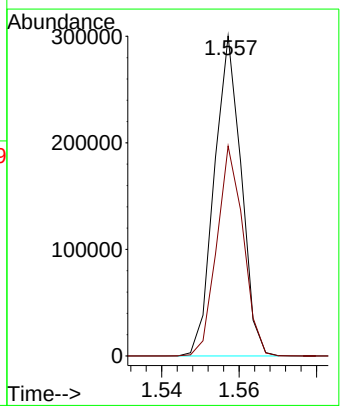
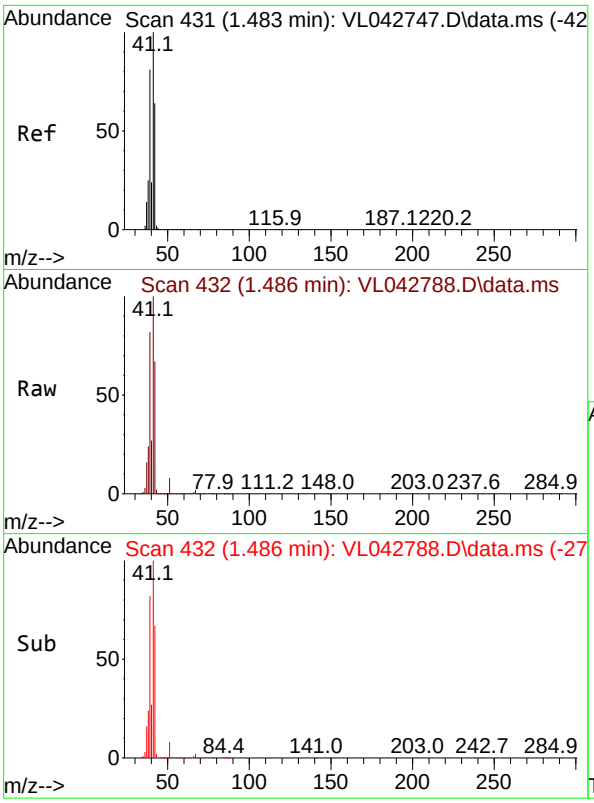


#8
Dichlorotetrafluoroethane
Concen: 9.571 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 145116

Ion	Ratio	Lower	Upper
85	100		
135	64.7	50.6	76.0

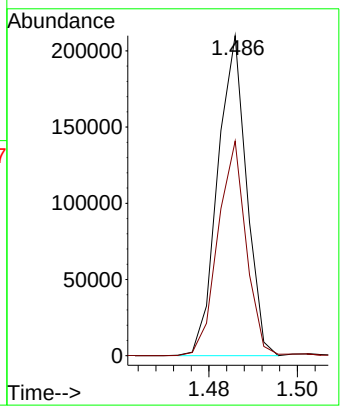




#9
Propene
Concen: 10.882 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 41 Resp: 9498

Ion	Ratio	Lower	Upper
41	100		
42	66.3	53.2	79.8



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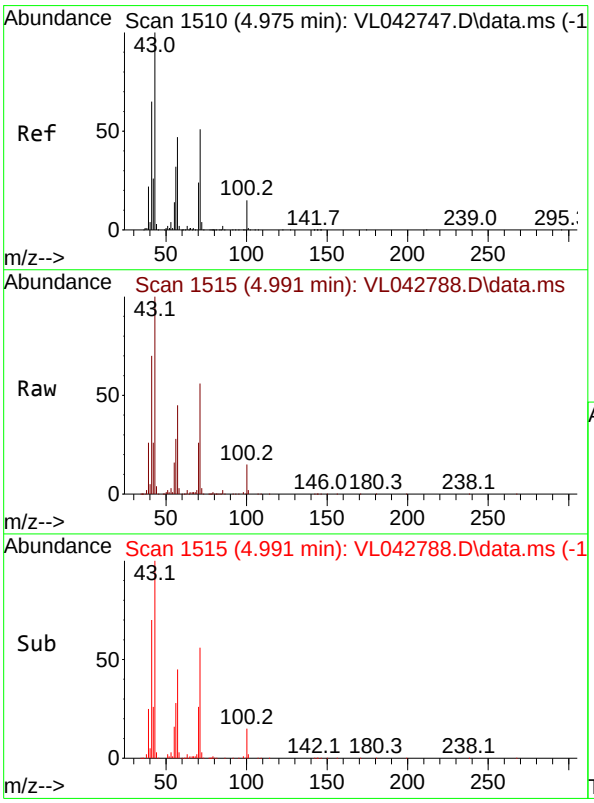
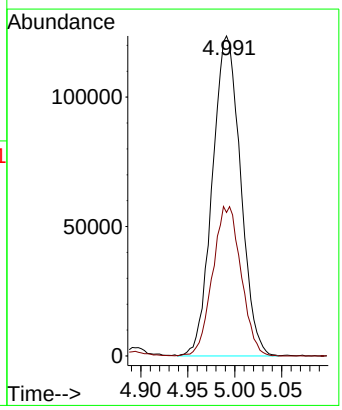
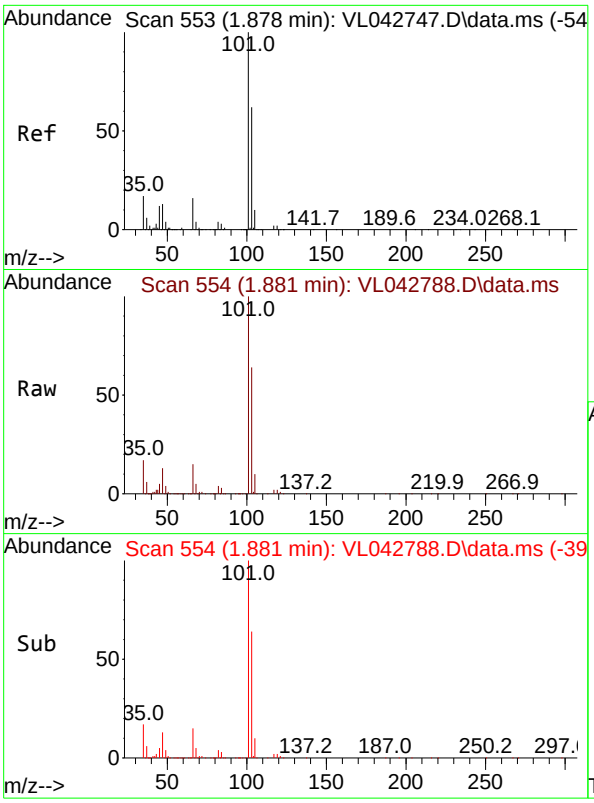


#10
Heptane
Concen: 10.950 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 257717

Ion	Ratio	Lower	Upper
43	100		
57	47.3	39.9	59.9

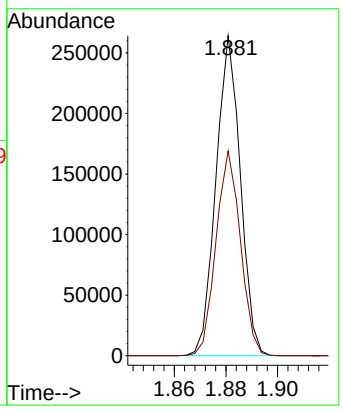




#11
Trichlorofluoromethane
Concen: 9.128 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:101 Resp: 17347

Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.6	74.4



Instrument :
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ClientSampleId :
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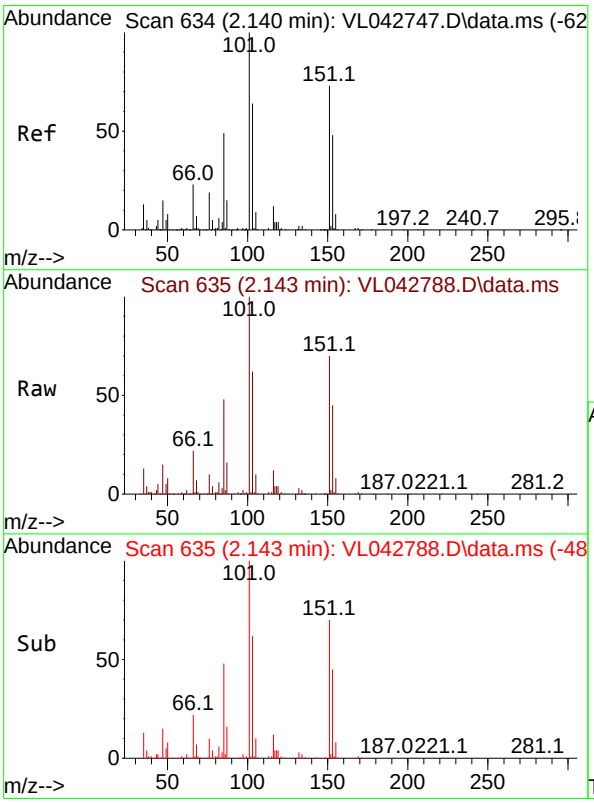
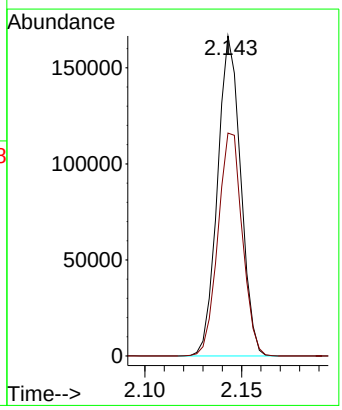
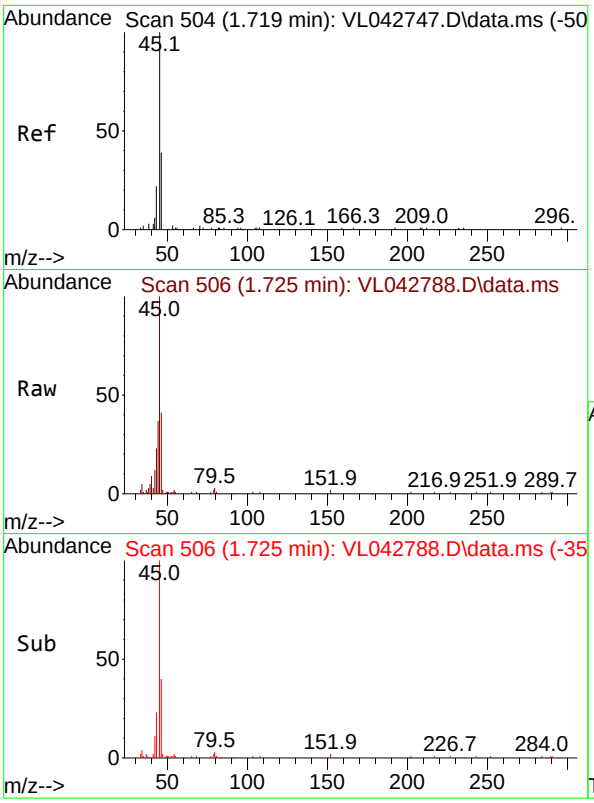


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.600 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:101 Resp: 138636

Ion	Ratio	Lower	Upper
101	100		
151	73.2	60.5	90.7





#13
Ethanol
Concen: 10.150 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 45 Resp: 718

Ion	Ratio	Lower	Upper
45	100		
46	47.6	17.8	71.4

Instrument :
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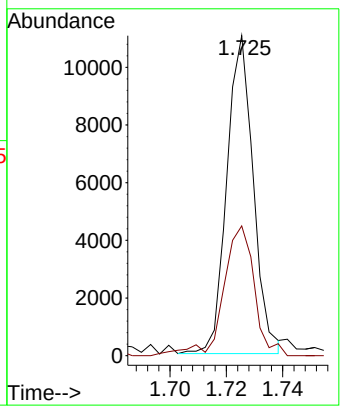
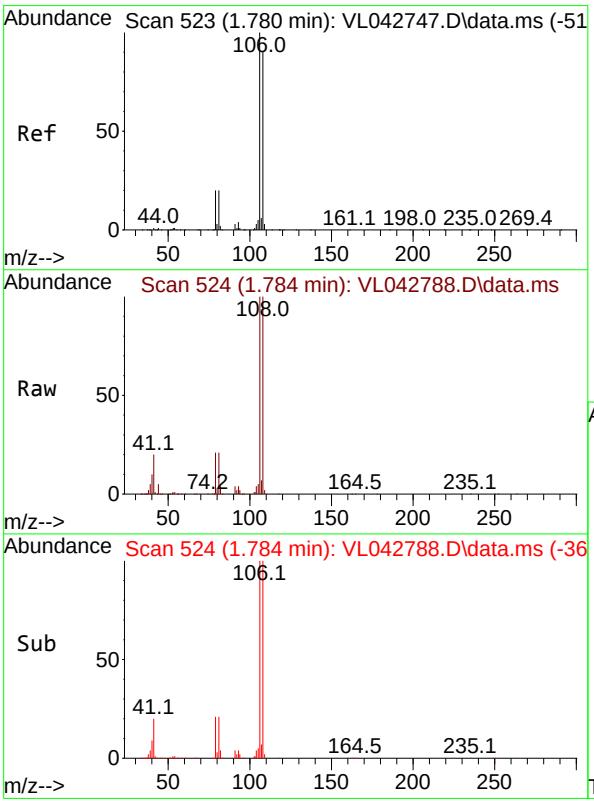
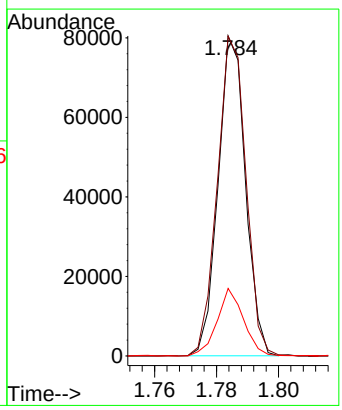


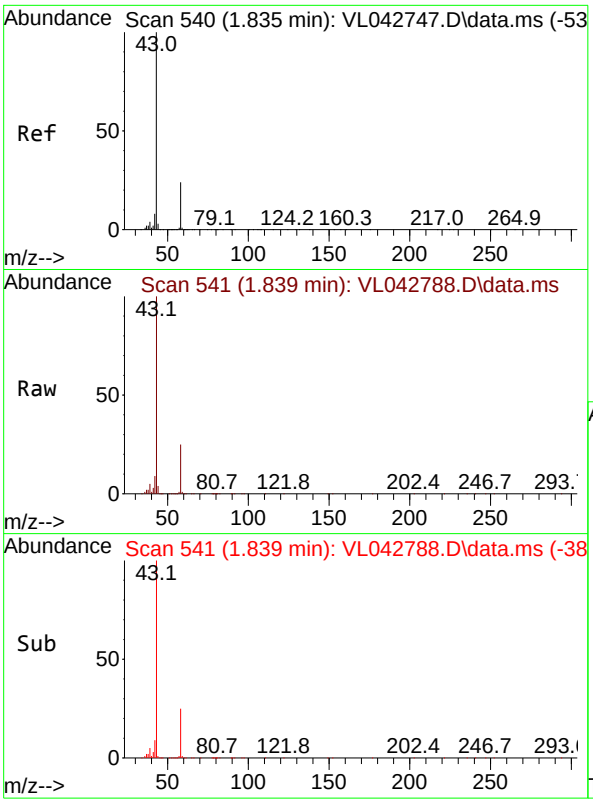


#14
Bromoethene
Concen: 9.639 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:108 Resp: 49283

Ion	Ratio	Lower	Upper
108	100		
106	104.5	84.7	127.1
79	20.7	17.4	26.2

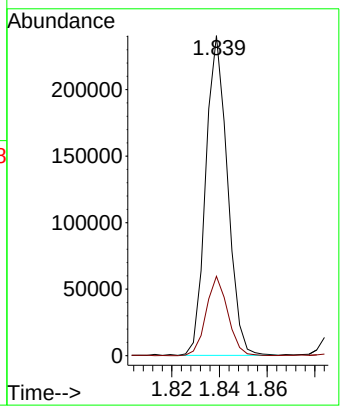




#15
Acetone
Concen: 7.924 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 15257

Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.8	29.8



Instrument :
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ClientSampleId :
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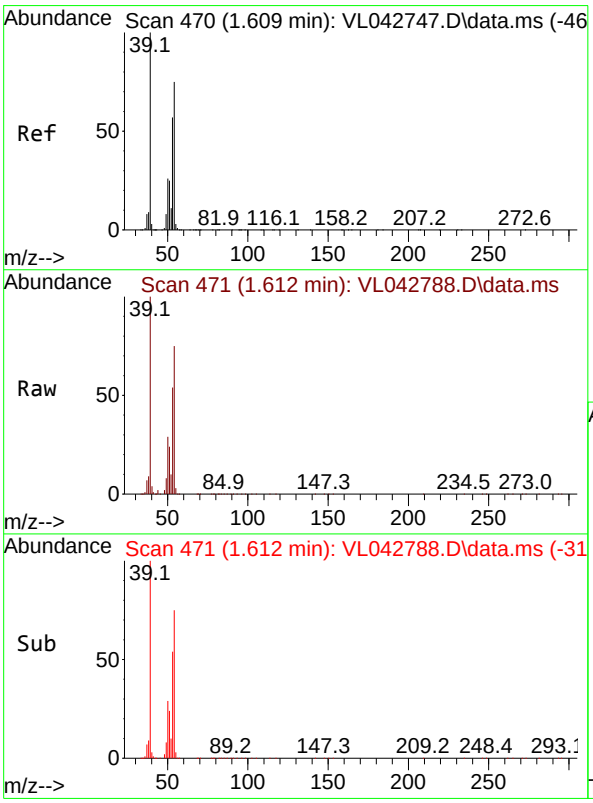
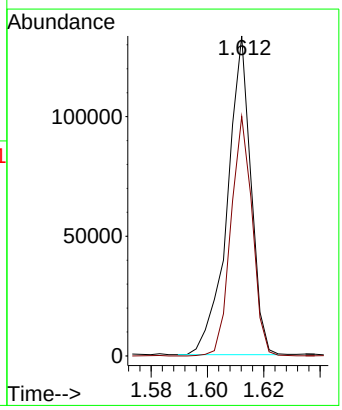
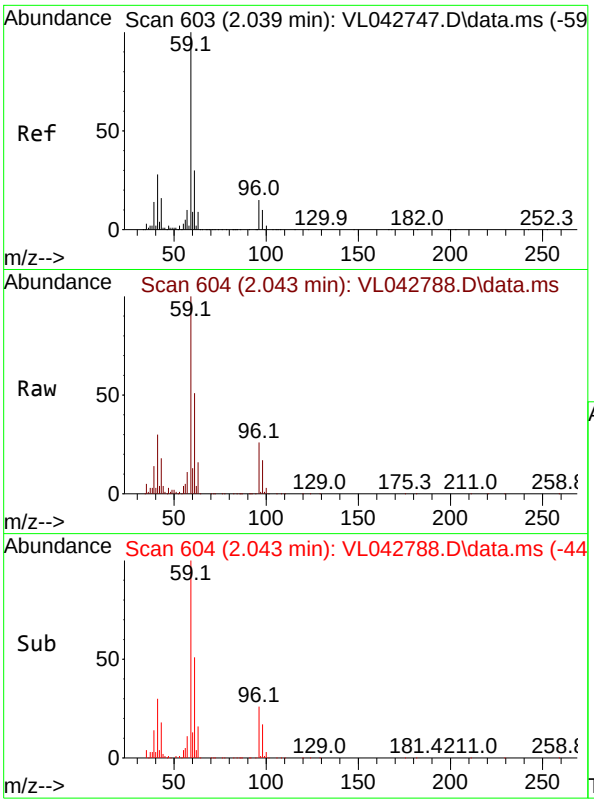


#16
1,3-Butadiene
Concen: 9.425 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 39 Resp: 77405

Ion	Ratio	Lower	Upper
39	100		
54	67.6	54.5	81.7

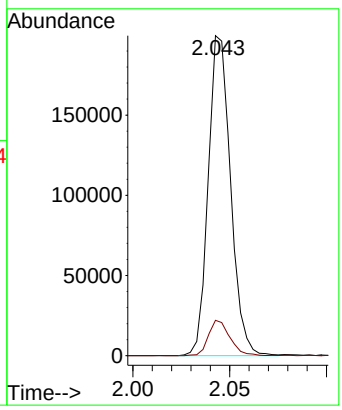




#17
tert-Butyl alcohol
Concen: 9.237 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 59 Resp: 16040

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5



Instrument :
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ClientSampleId :
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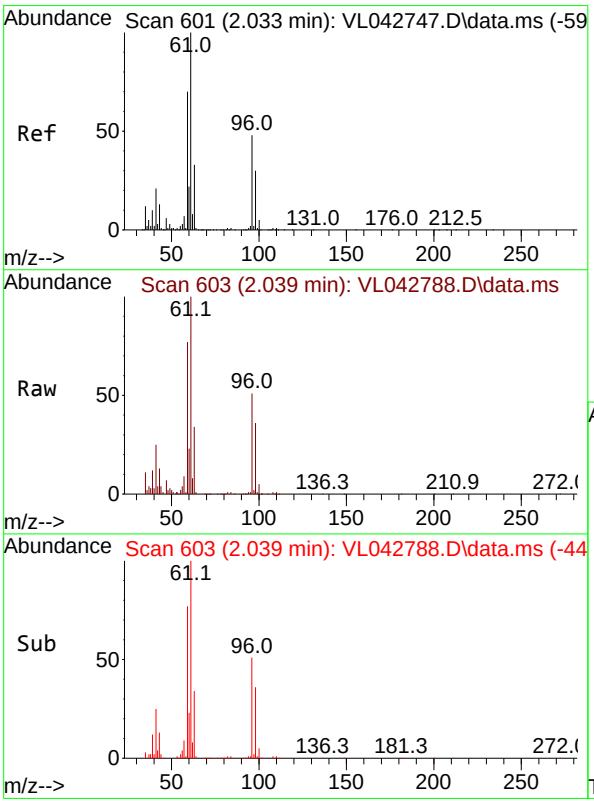
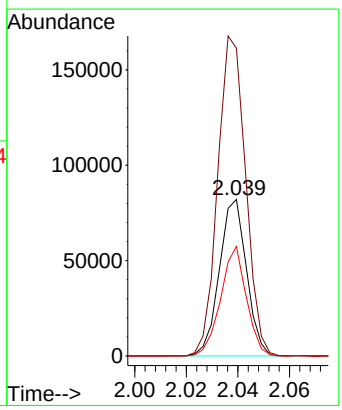
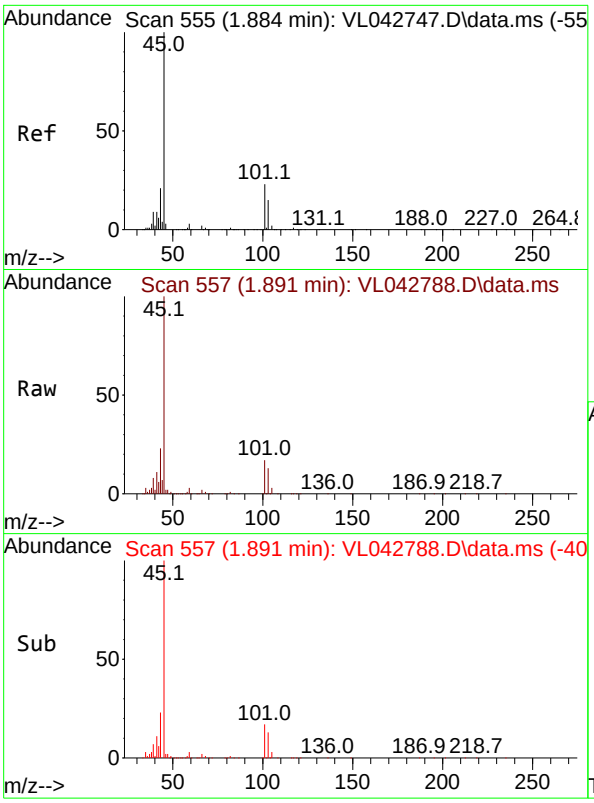


#18
1,1-Dichloroethene
Concen: 9.195 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 96 Resp: 60001

Ion	Ratio	Lower	Upper
96	100		
61	196.6	165.8	248.6
98	70.1	49.9	74.9

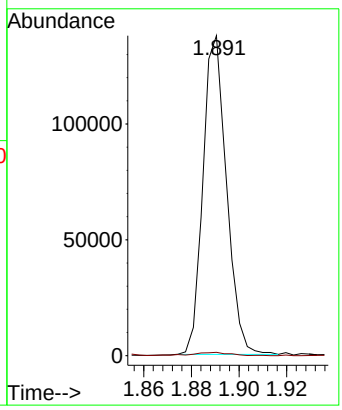




#19
Isopropyl Alcohol
Concen: 9.229 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 45 Resp: 9443

Ion	Ratio	Lower	Upper
45	100		
58	40.2	30.0	45.0



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ClientSampleId :
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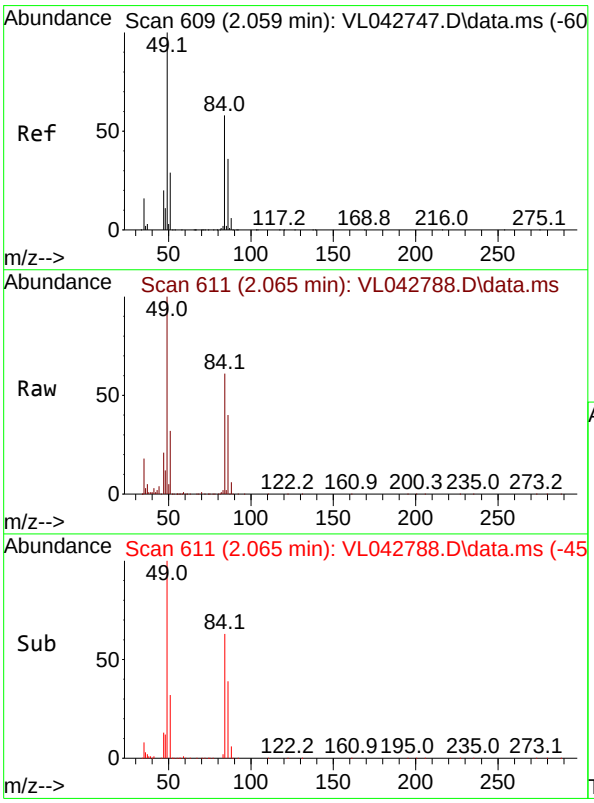
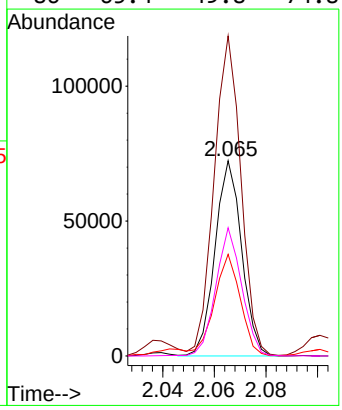
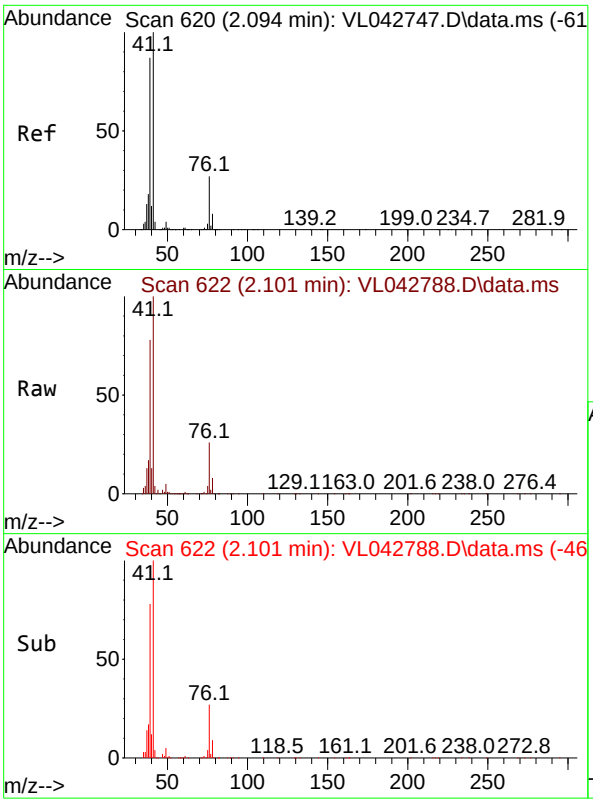


#20
Methylene Chloride
Concen: 8.566 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 84 Resp: 51973

Ion	Ratio	Lower	Upper
84	100		
49	163.4	138.6	208.0
51	51.9	40.6	61.0
86	65.4	49.8	74.8

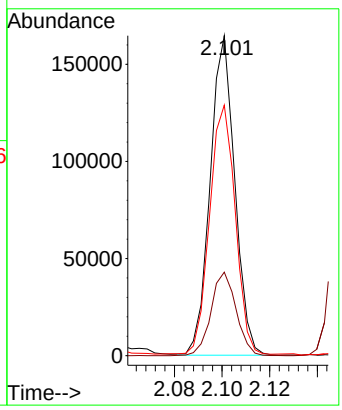




#21
Allyl Chloride
Concen: 9.930 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 41 Resp: 11783

Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.1	31.7
39	82.2	68.3	102.5



Instrument :
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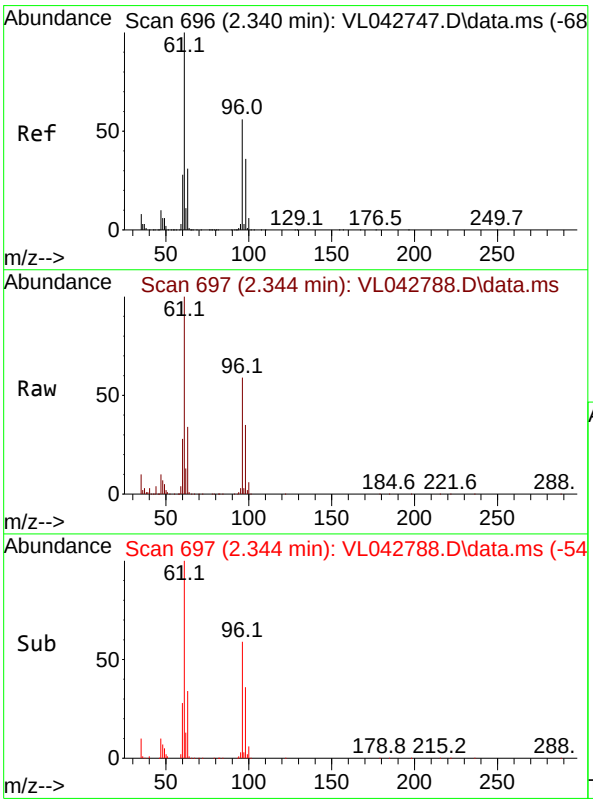
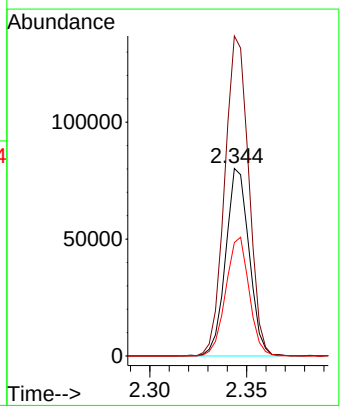
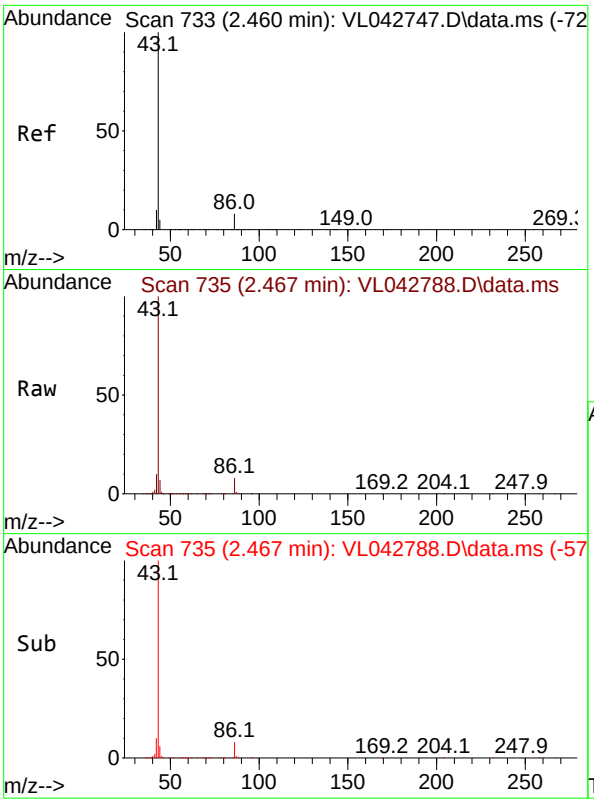


#22
trans-1,2-Dichloroethene
Concen: 9.614 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 96 Resp: 67488

Ion	Ratio	Lower	Upper
96	100		
61	170.6	142.3	213.5
98	60.5	50.6	76.0

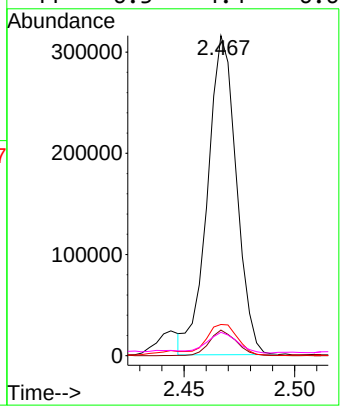




#23
Vinyl Acetate
Concen: 12.247 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 28586

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	9.6	7.8	11.8
44	6.3	4.4	6.6



Instrument :
MSVOA_L
ClientSampleId :
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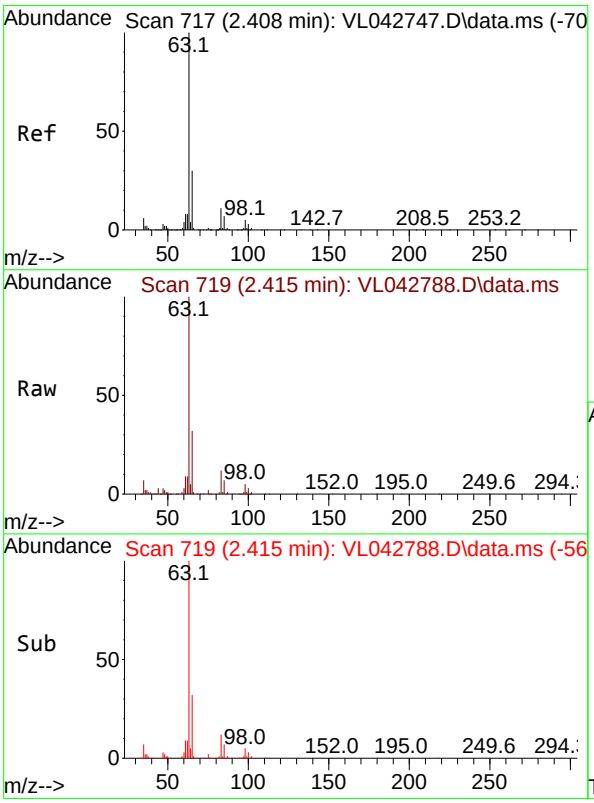
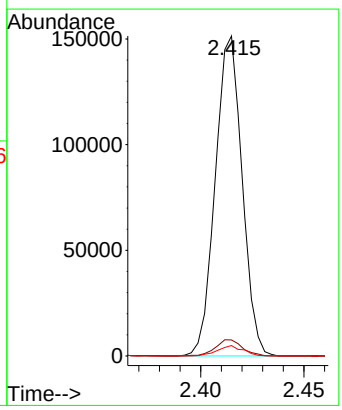
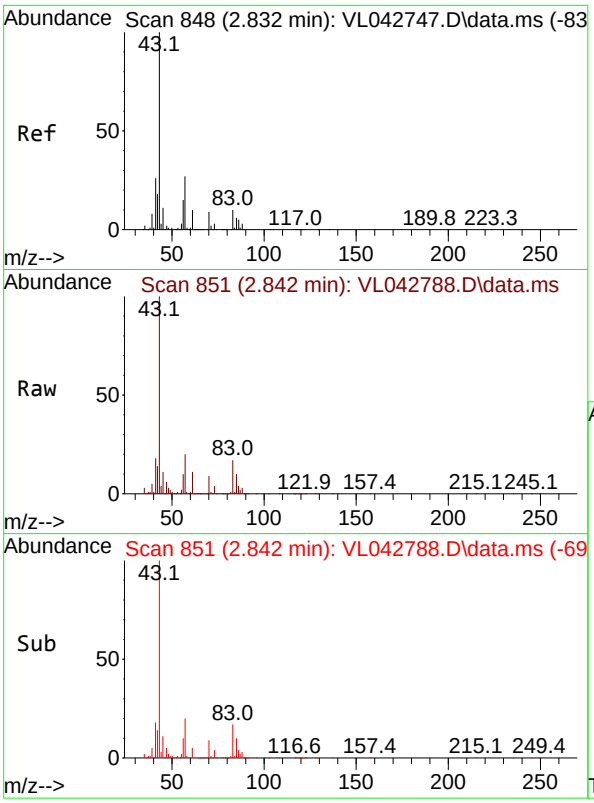


#24
1,1-Dichloroethane
Concen: 9.496 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 63 Resp: 136815

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.4
100	3.3	1.6	4.8

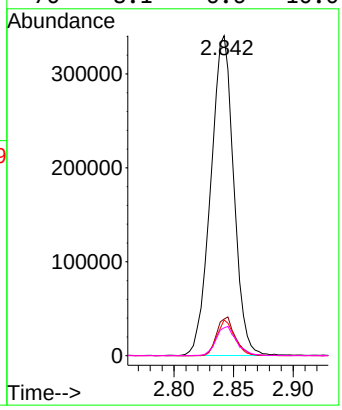




#25
Ethyl Acetate
Concen: 10.702 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 45610

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.7	6.7	10.1
70	8.1	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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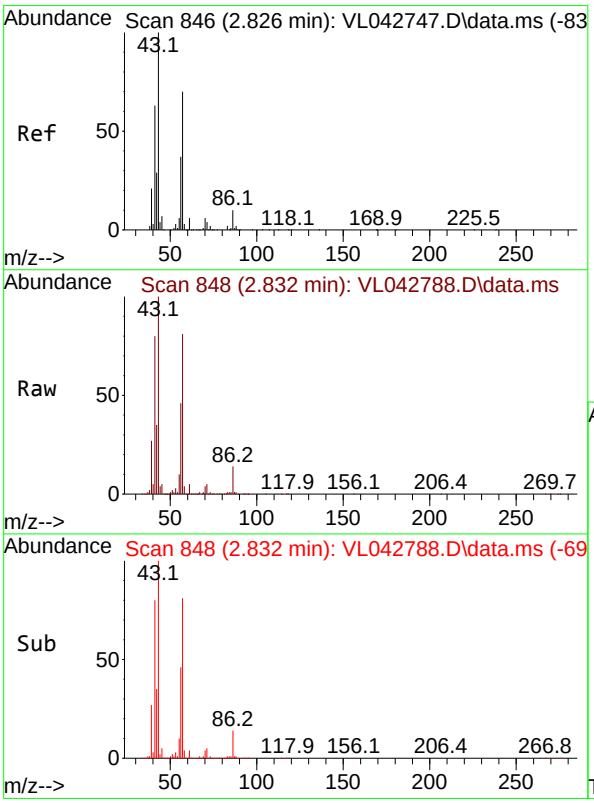
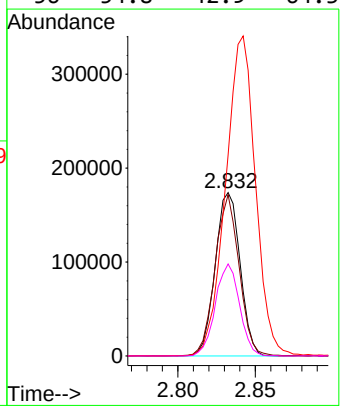
Supervised By :Mahesh Dadoda 08/01/2025

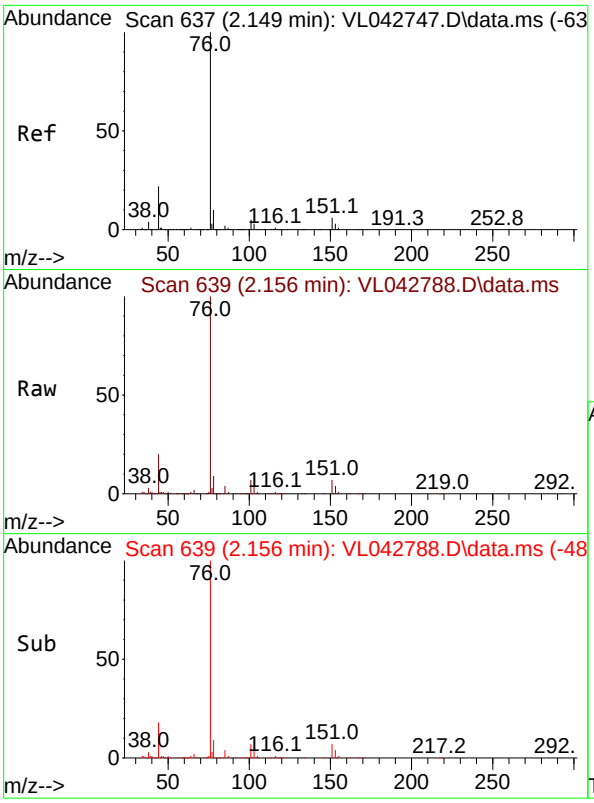


#26
Hexane
Concen: 10.399 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 194417

Ion	Ratio	Lower	Upper
57	100		
41	95.9	75.4	113.2
43	235.7	185.0	277.6
56	54.8	42.9	64.3

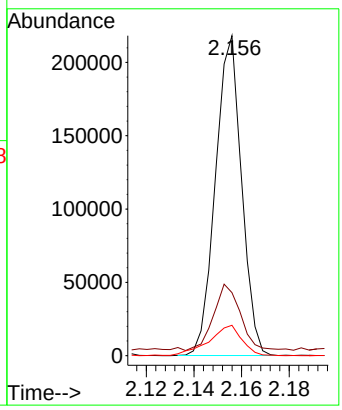




#27
Carbon Disulfide
Concen: 10.356 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 76 Resp: 16576

Ion	Ratio	Lower	Upper
76	100		
44	21.5	19.3	28.9
78	12.1	9.9	14.9



Instrument :
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ClientSampleId :
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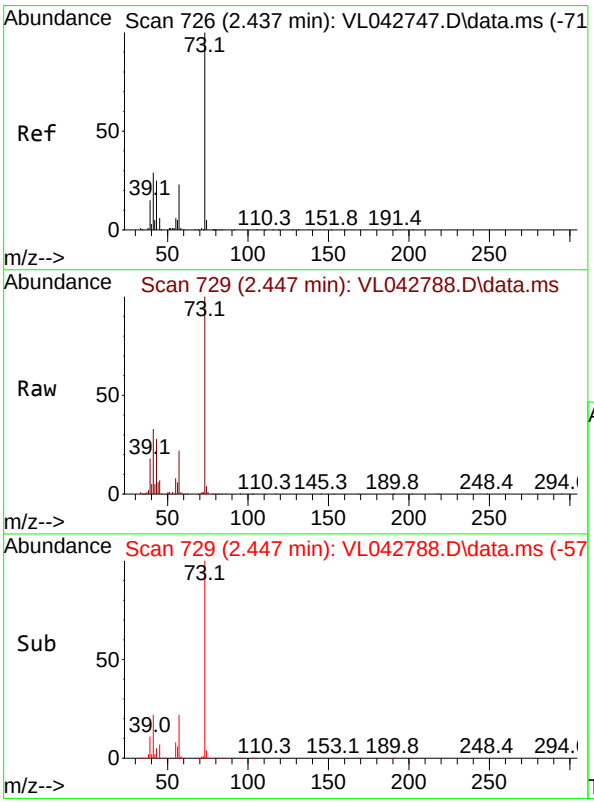
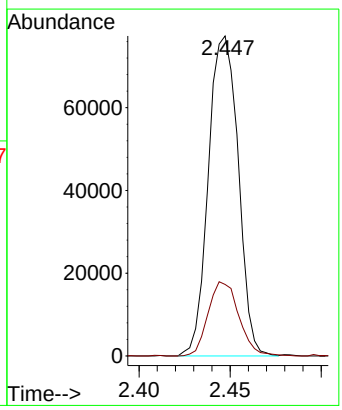
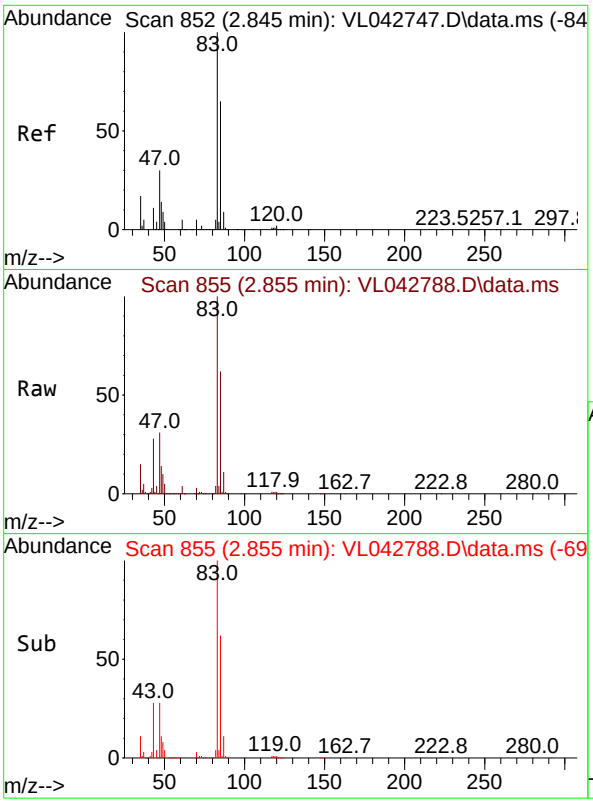


#28
Methyl tert-Butyl Ether
Concen: 9.982 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 73 Resp: 88166

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.8	29.8

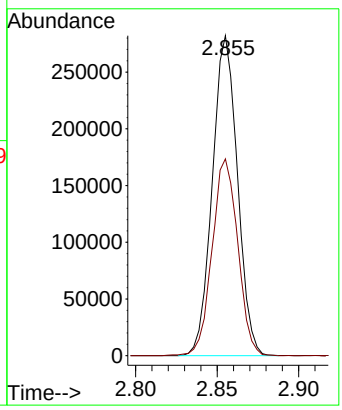




#29
Chloroform
Concen: 10.451 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 83 Resp: 30192

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.2	78.2



Instrument :
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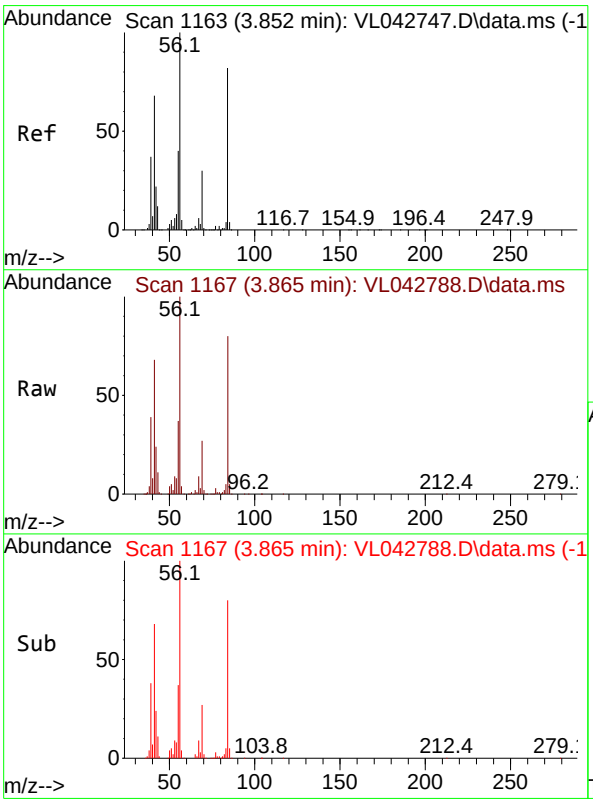
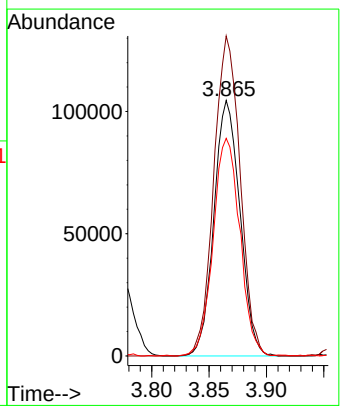
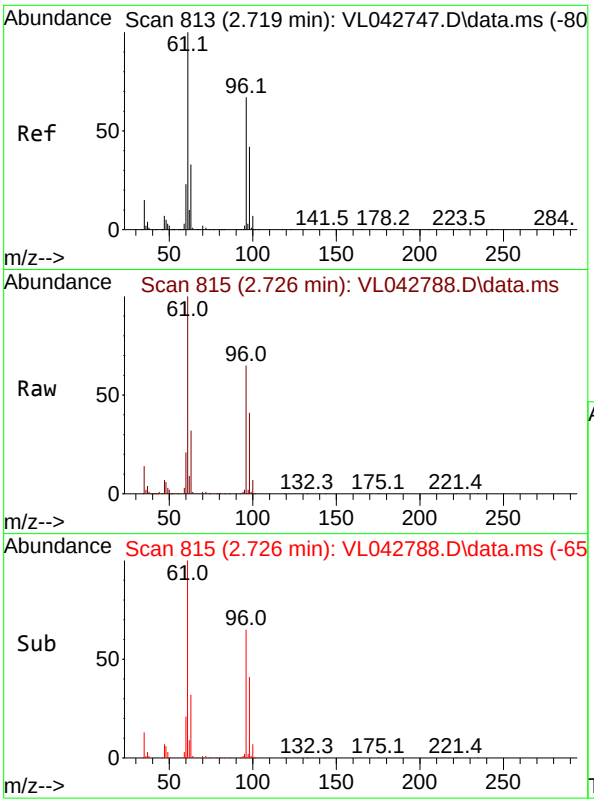


#30
Cyclohexane
Concen: 10.398 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 84 Resp: 164864

Ion	Ratio	Lower	Upper
84	100		
56	126.6	97.5	146.3
41	87.2	67.2	100.8

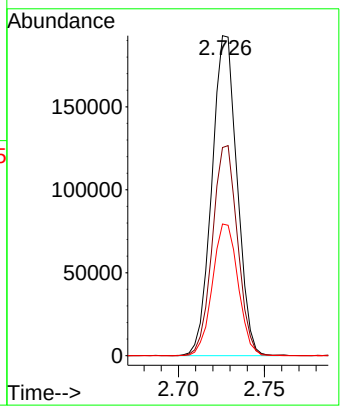




#31
cis-1,2-Dichloroethene
Concen: 10.250 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 61 Resp: 19692

Ion	Ratio	Lower	Upper
61	100		
96	64.9	53.5	80.3
98	41.2	33.6	50.4



Instrument :
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ClientSampleId :
VSTDCCC010

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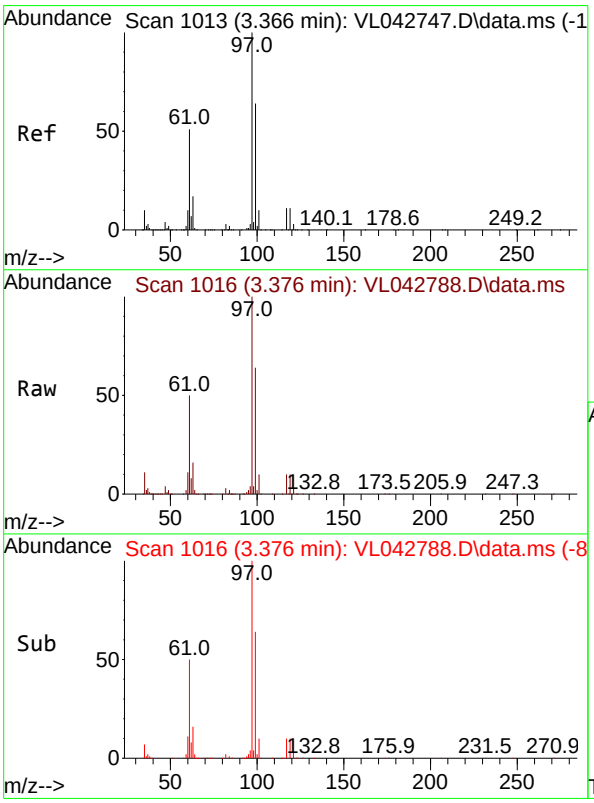
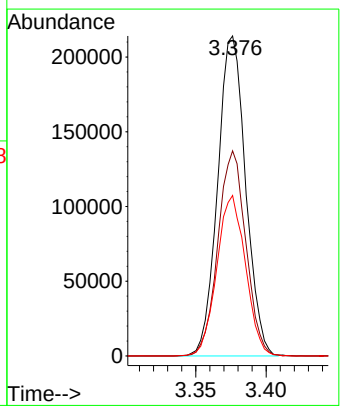
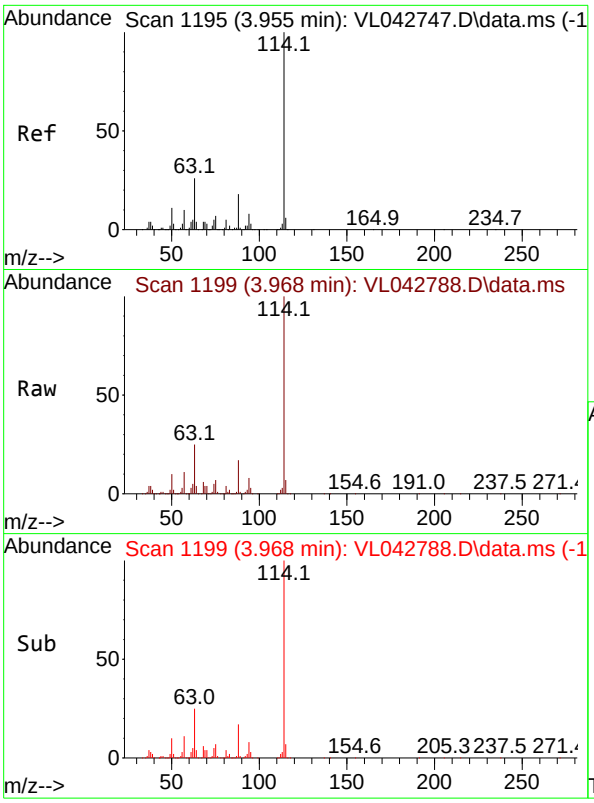


#32
1,1,1-Trichloroethane
Concen: 9.850 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 97 Resp: 296432

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	51.5	40.9	61.3

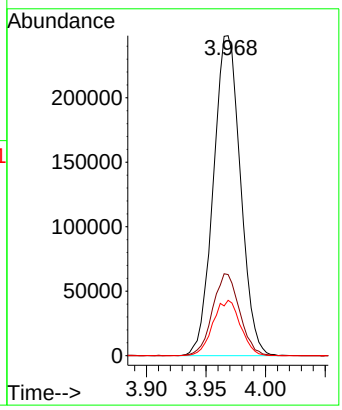




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:114 Resp: 39181

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.6	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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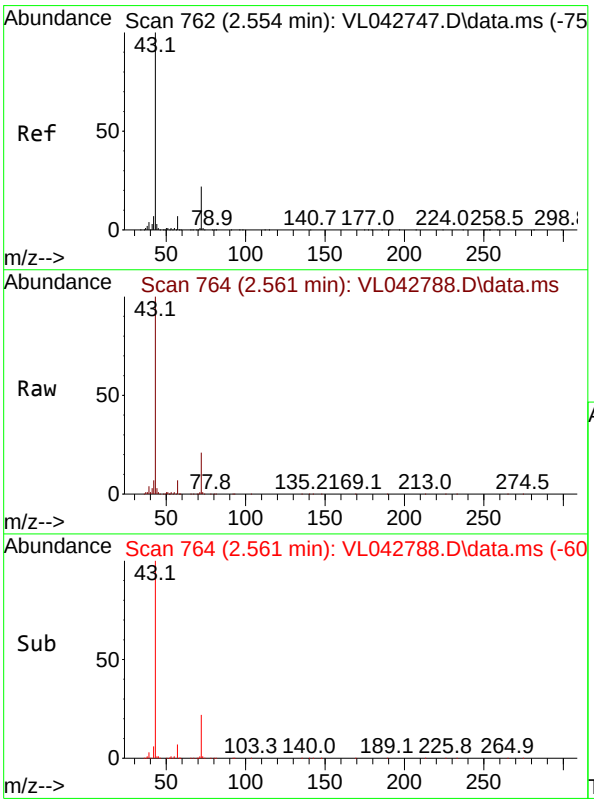
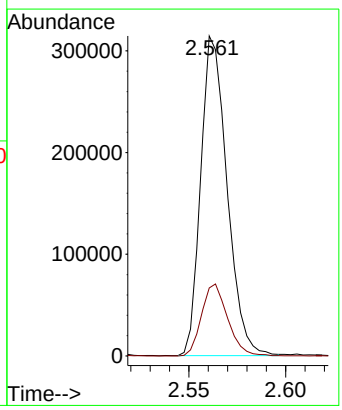
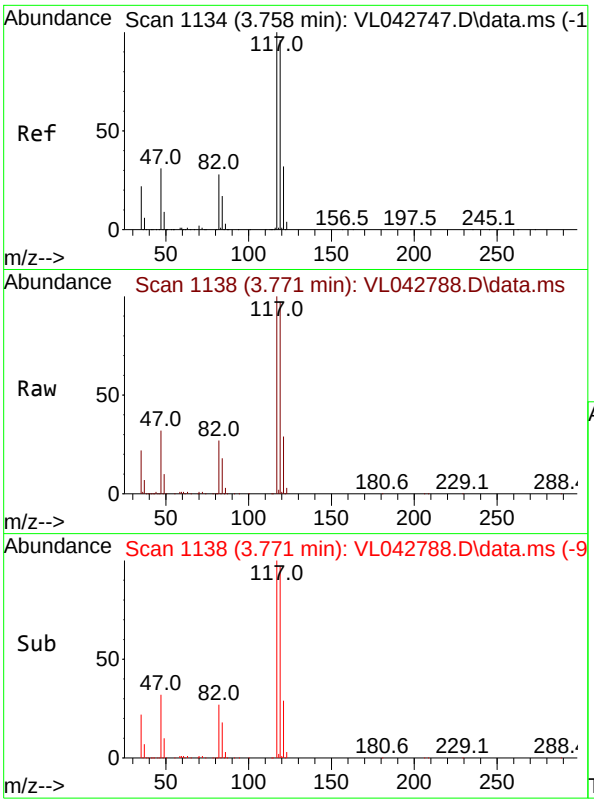


#34
2-Butanone
Concen: 10.726 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 297678

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.4	26.0

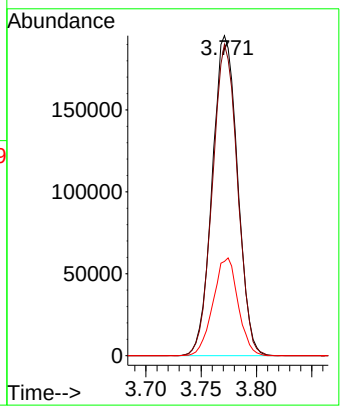




#35
Carbon Tetrachloride
Concen: 10.672 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:117 Resp: 31058

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.1	115.7
121	29.5	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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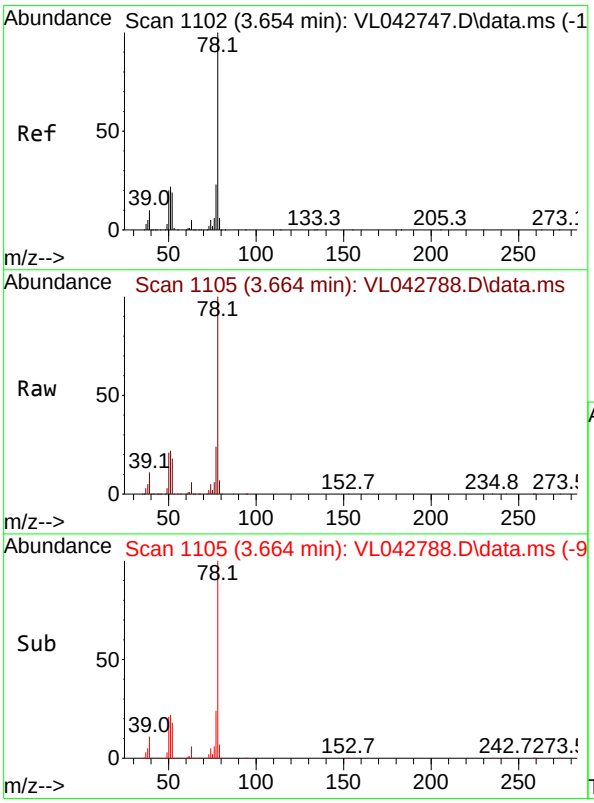
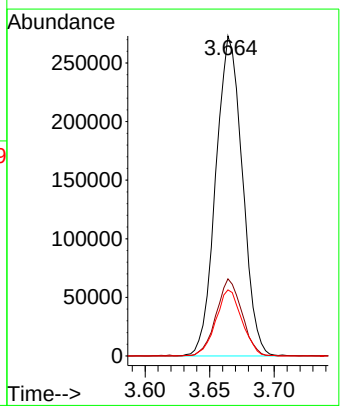
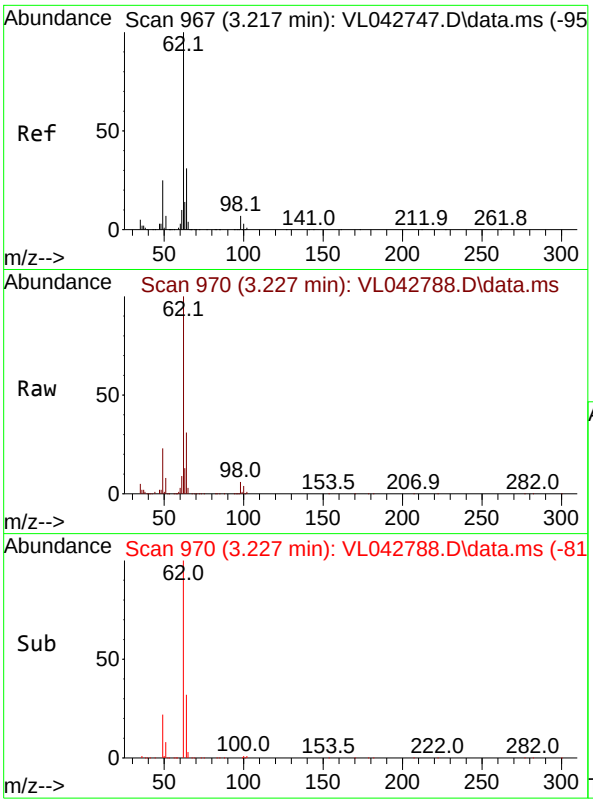


#36
Benzene
Concen: 10.548 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 78 Resp: 391679

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7
50	20.6	16.2	24.2

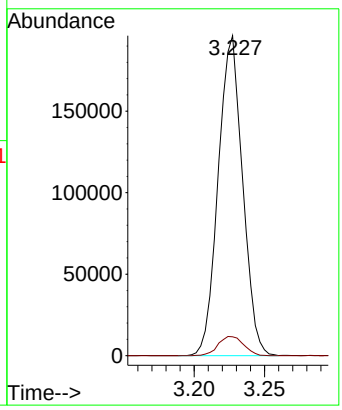




#37
1,2-Dichloroethane
Concen: 10.592 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 62 Resp: 23692

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
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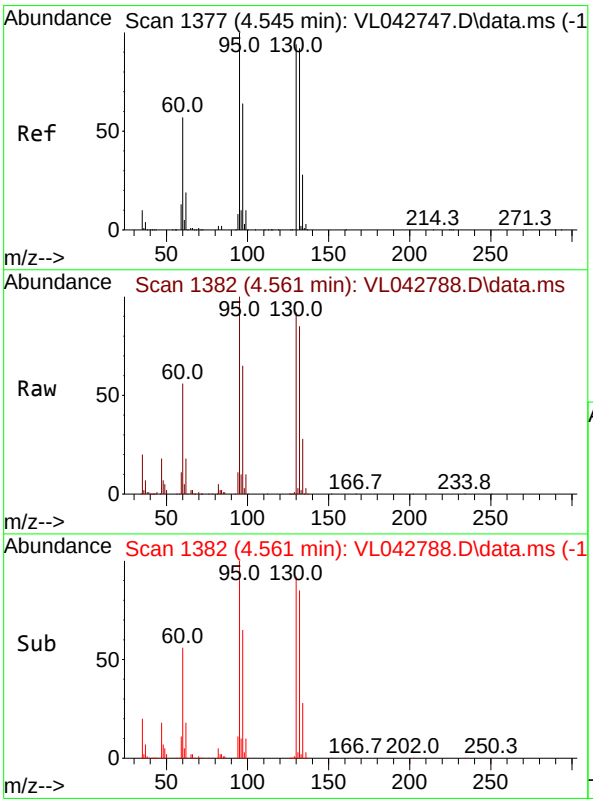
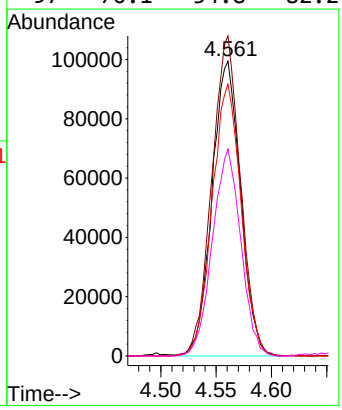
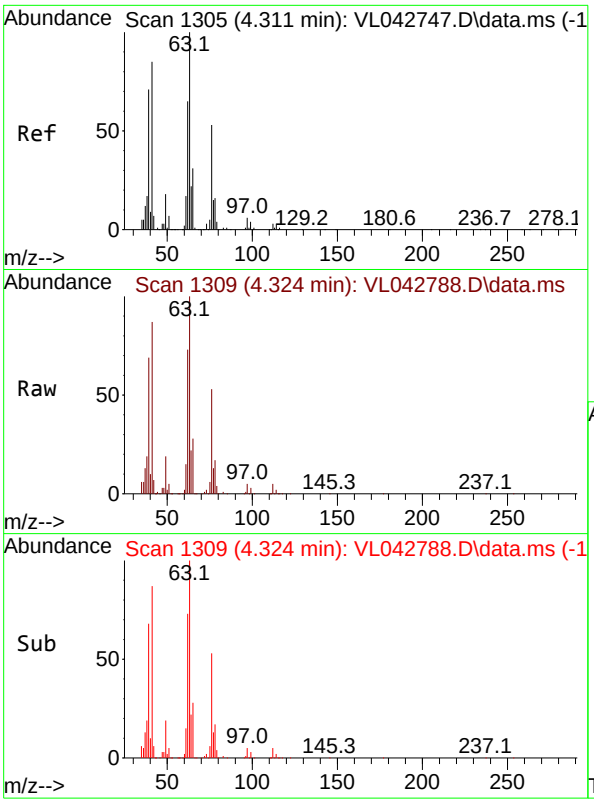


#38
Trichloroethene
Concen: 9.991 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:130 Resp: 178226

Ion	Ratio	Lower	Upper
130	100		
95	108.2	85.4	128.2
132	92.1	78.2	117.2
97	70.1	54.8	82.2

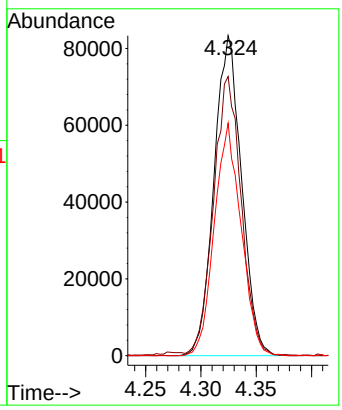




#39
1,2-Dichloropropane
Concen: 10.505 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 63 Resp: 14398

Ion	Ratio	Lower	Upper
63	100		
41	87.0	68.2	102.4
62	72.7	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
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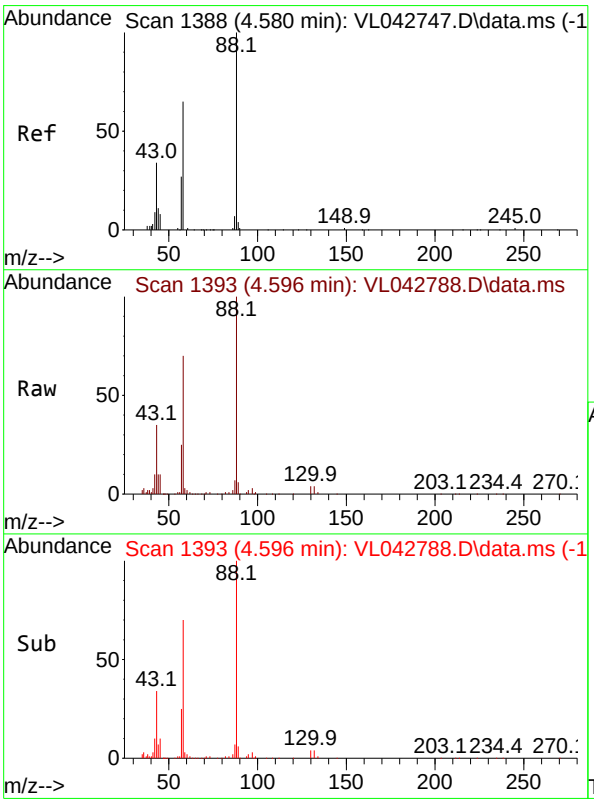
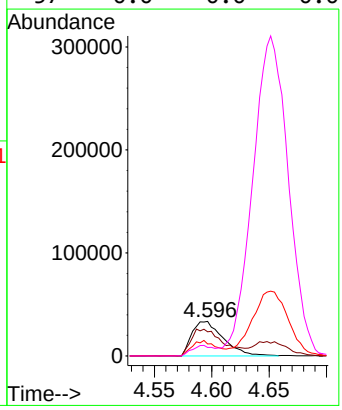
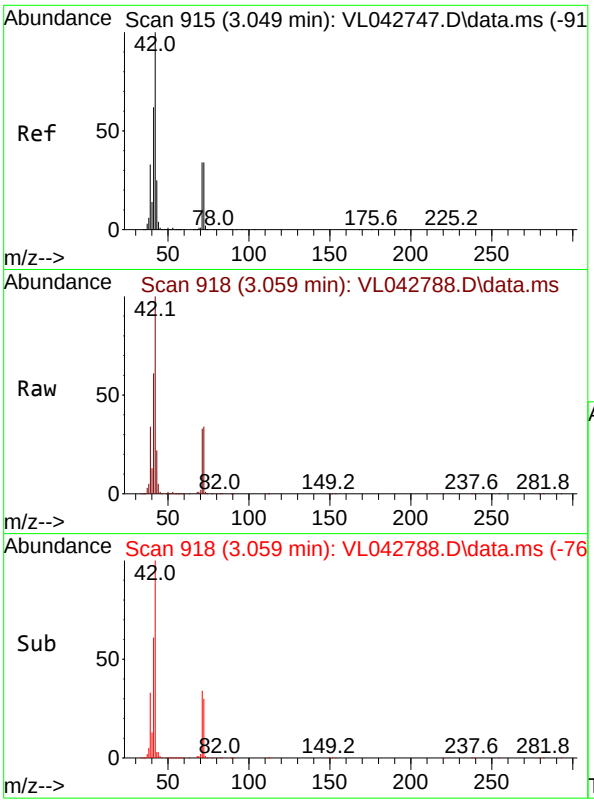


#40
1,4-Dioxane
Concen: 10.049 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 88 Resp: 64201

Ion	Ratio	Lower	Upper
88	100		
58	79.6	58.8	88.2
43	33.4	28.9	43.3
57	0.0	0.0	0.0

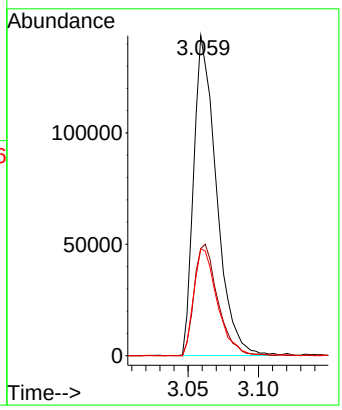




#41
Tetrahydrofuran
Concen: 11.447 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 42 Resp: 16167

Ion	Ratio	Lower	Upper
42	100		
72	36.3	30.9	46.3
71	34.9	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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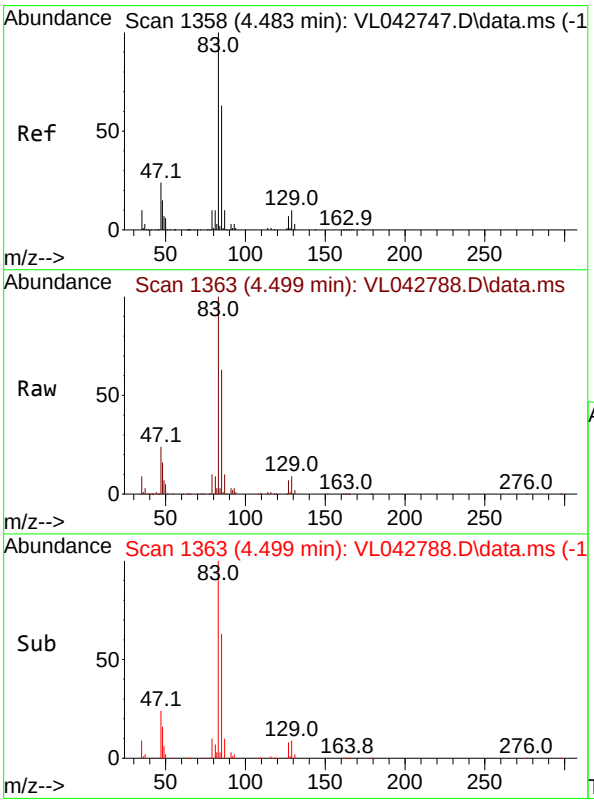
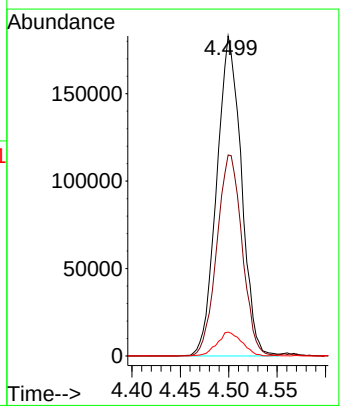
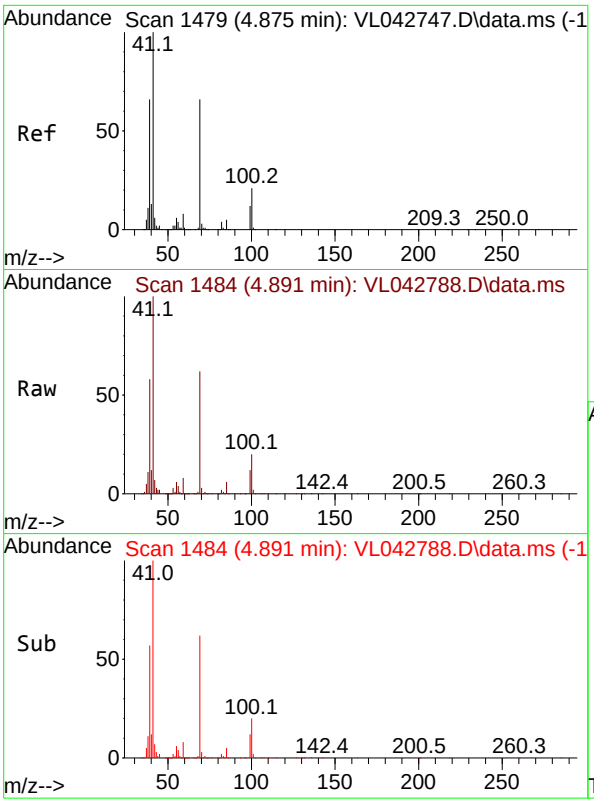


#42
Bromodichloromethane
Concen: 11.125 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 83 Resp: 324091

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	7.5	5.4	8.2

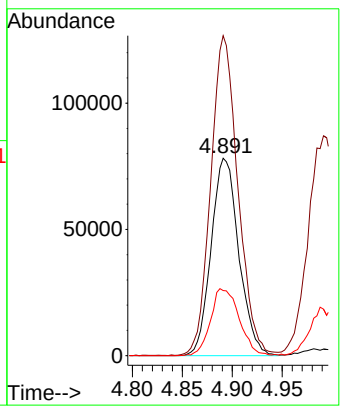




#43
Methyl Methacrylate
Concen: 11.418 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 69 Resp: 15070

Ion	Ratio	Lower	Upper
69	100		
41	159.5	125.7	188.5
100	35.3	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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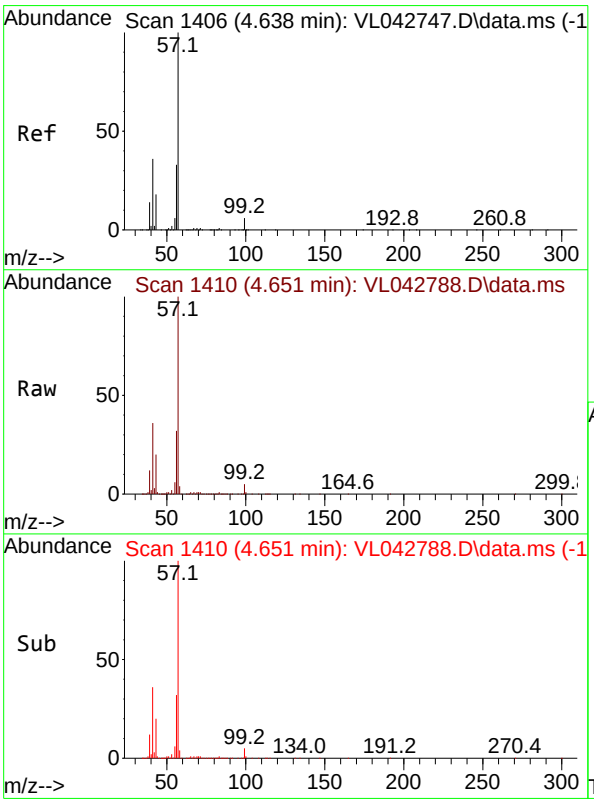
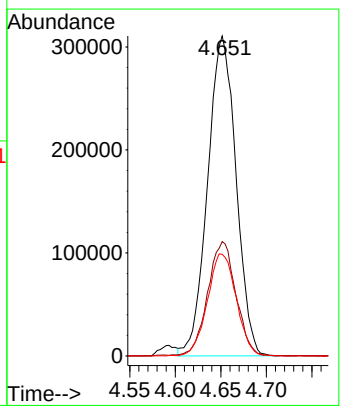
Supervised By :Mahesh Dadoda 08/01/2025

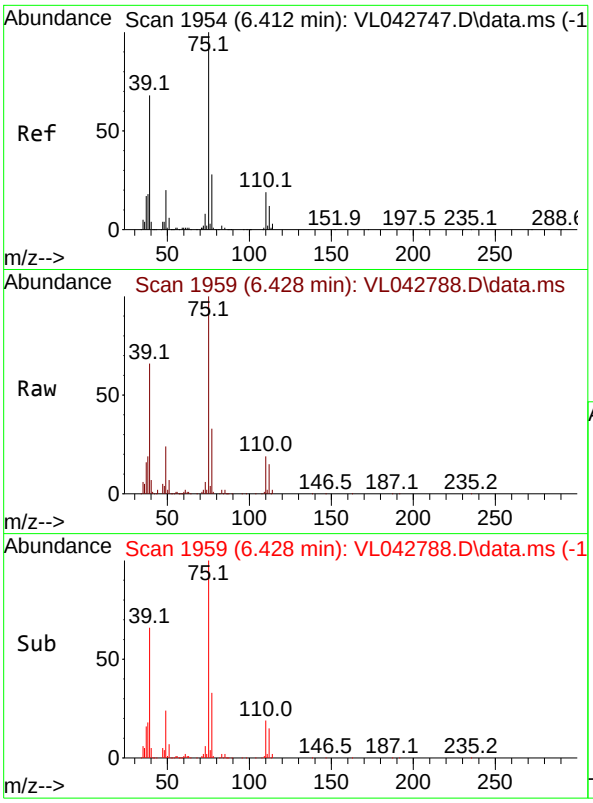


#44
2,2,4-Trimethylpentane
Concen: 11.142 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 674333

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.3	42.5
56	32.4	25.8	38.6

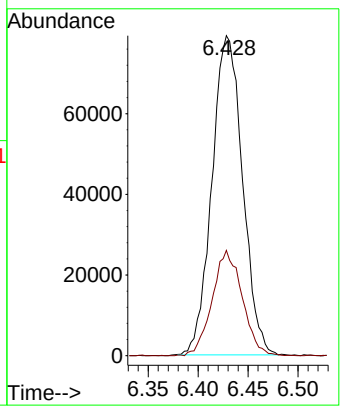




#45
t-1,3-Dichloropropene
Concen: 11.393 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 75 Resp: 16863

Ion	Ratio	Lower	Upper
75	100		
77	32.9	22.4	33.6



Instrument :
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ClientSampleId :
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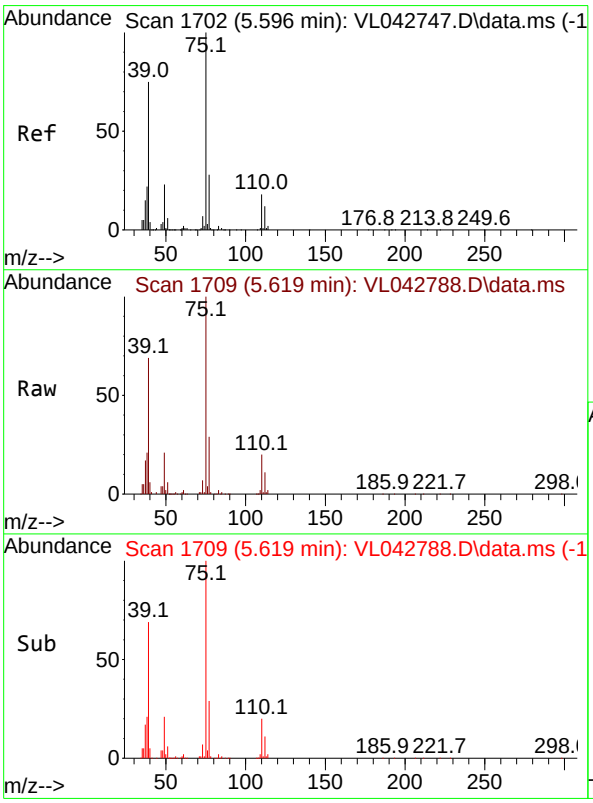
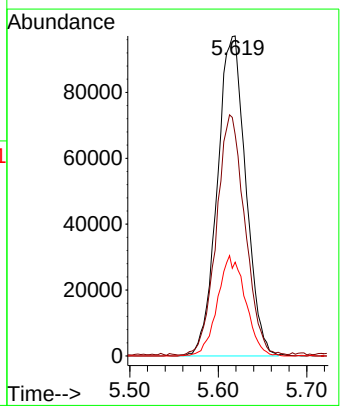
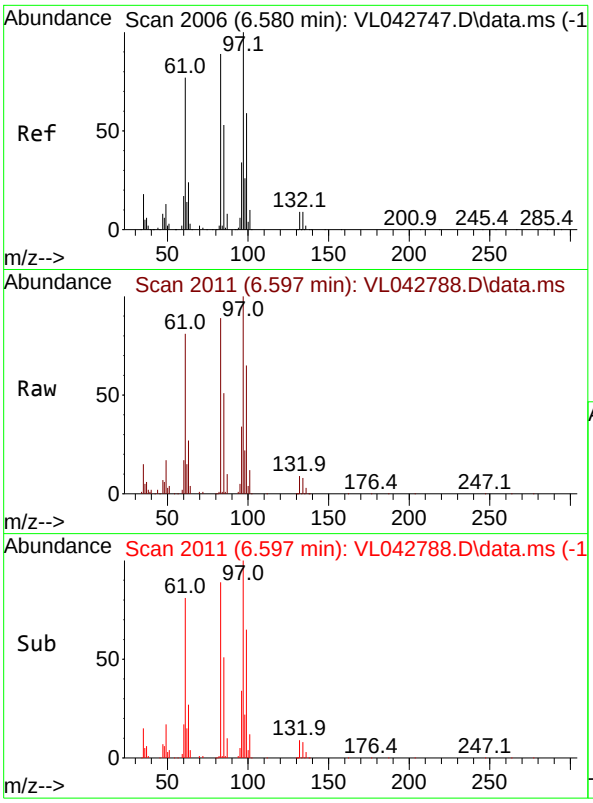


#46
cis-1,3-Dichloropropene
Concen: 11.589 ppbv
RT: 5.619 min Scan# 1709
Delta R.T. 0.023 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 75 Resp: 217364

Ion	Ratio	Lower	Upper
75	100		
39	68.9	60.2	90.2
77	29.3	22.6	34.0

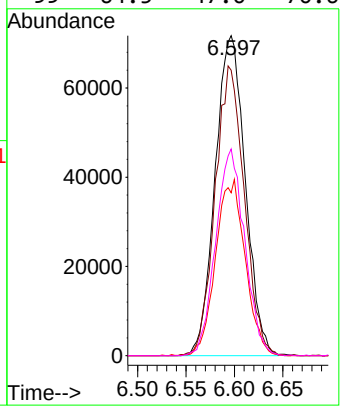




#47
1,1,2-Trichloroethane
Concen: 10.618 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 97 Resp: 15514

Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.1	106.7
85	50.8	43.0	64.4
99	64.5	47.0	70.6



Instrument :
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ClientSampleId :
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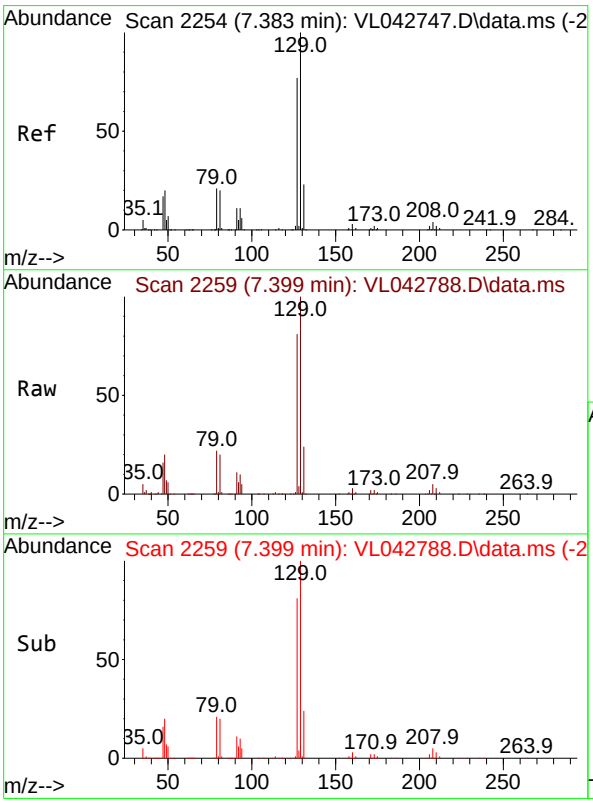
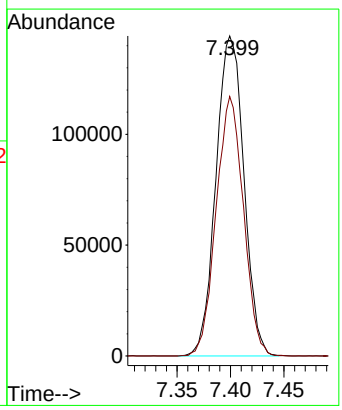
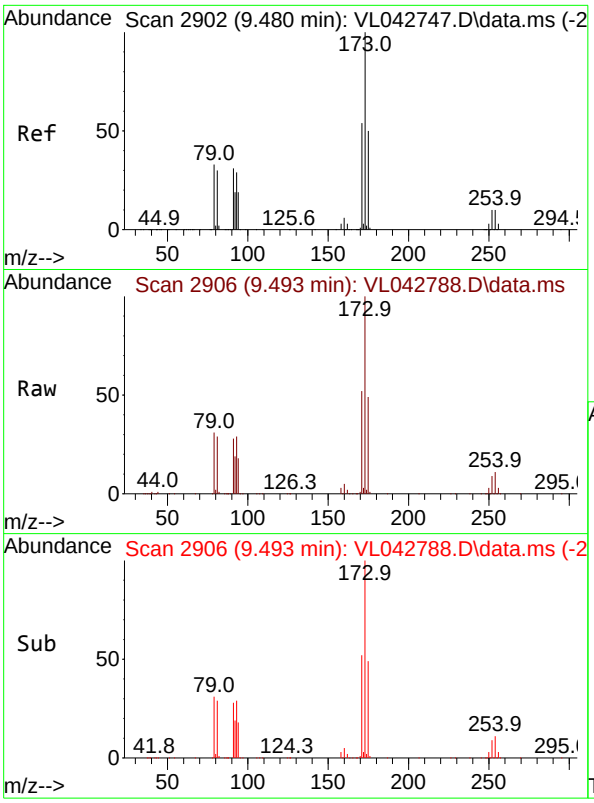


#48
Dibromochloromethane
Concen: 11.346 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:129 Resp: 263177

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.7	116.1

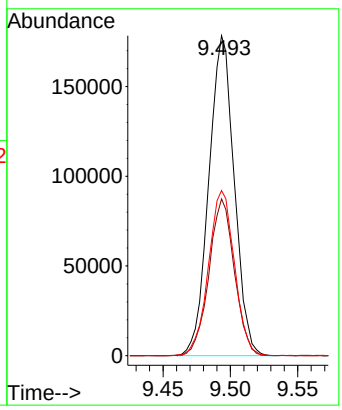




#49
Bromoform
Concen: 11.551 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:173 Resp: 23362

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.4	57.6
171	52.8	40.9	61.3



Instrument :
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ClientSampleId :
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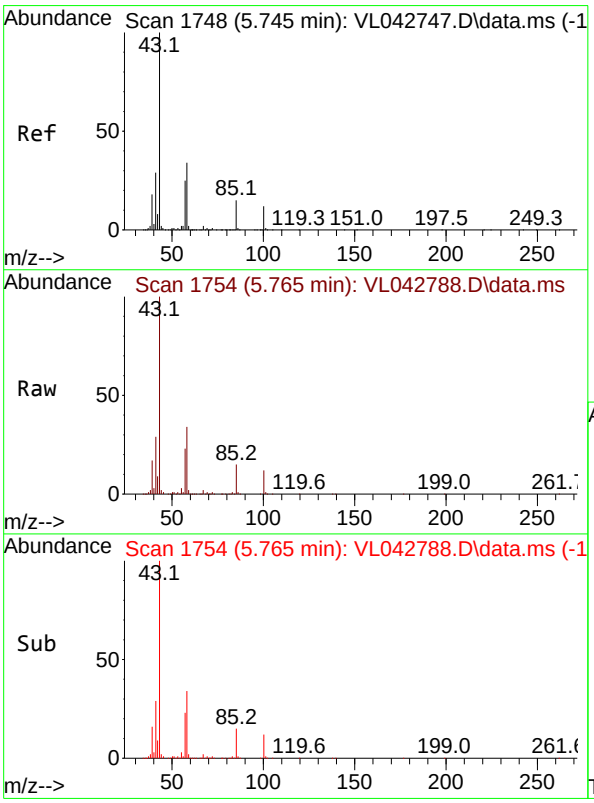
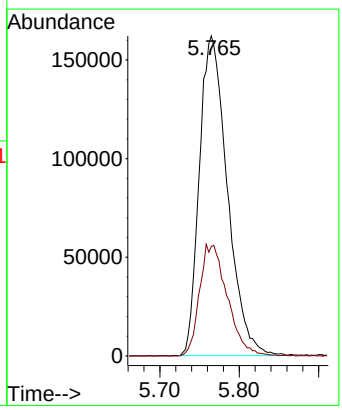
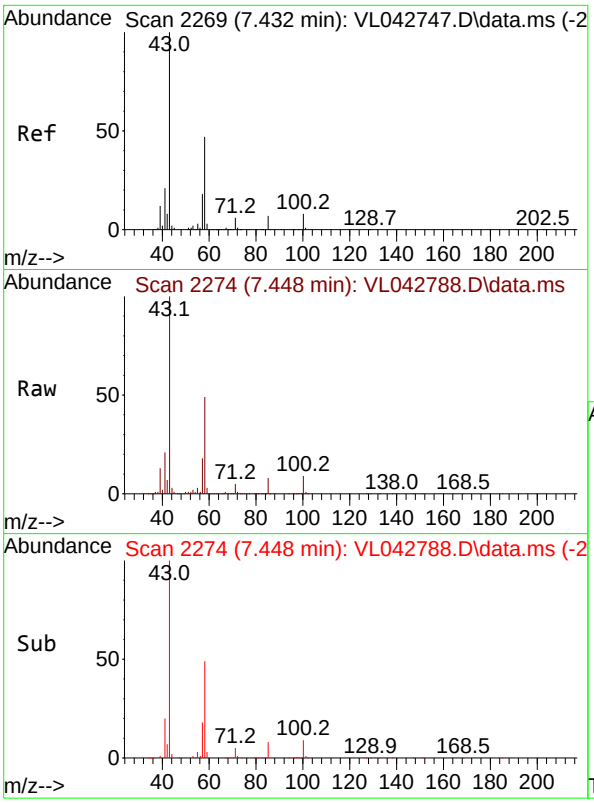


#50
4-Methyl-2-Pentanone
Concen: 11.101 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.019 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 396864

Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.8

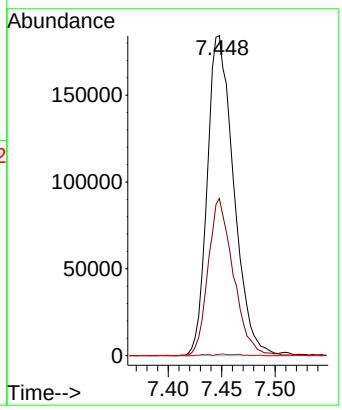




#51
2-Hexanone
Concen: 11.778 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 31821

Ion	Ratio	Lower	Upper
43	100		
58	46.9	38.0	57.0
98	0.6	0.2	0.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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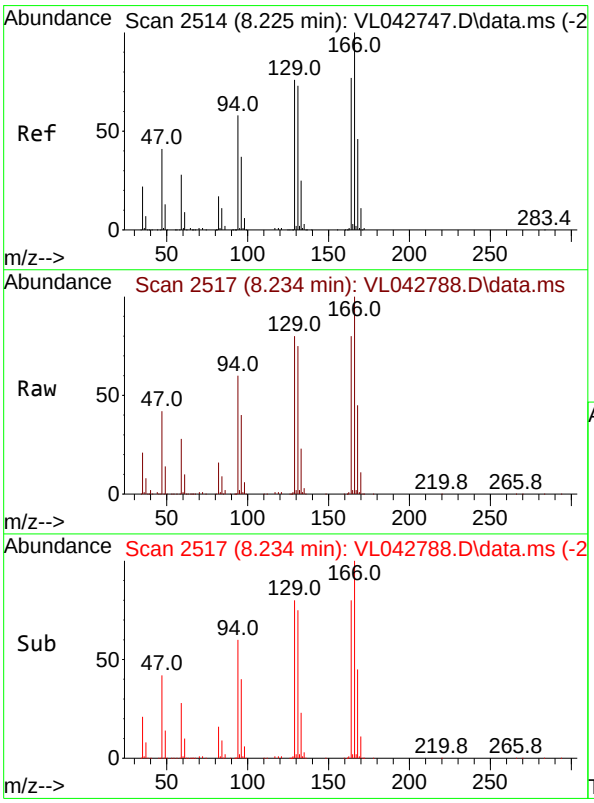
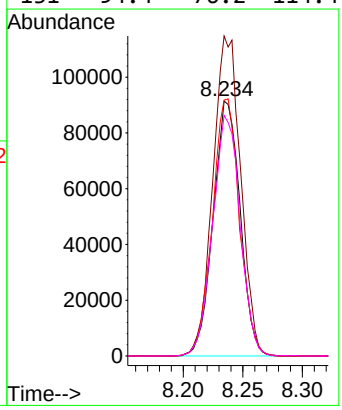
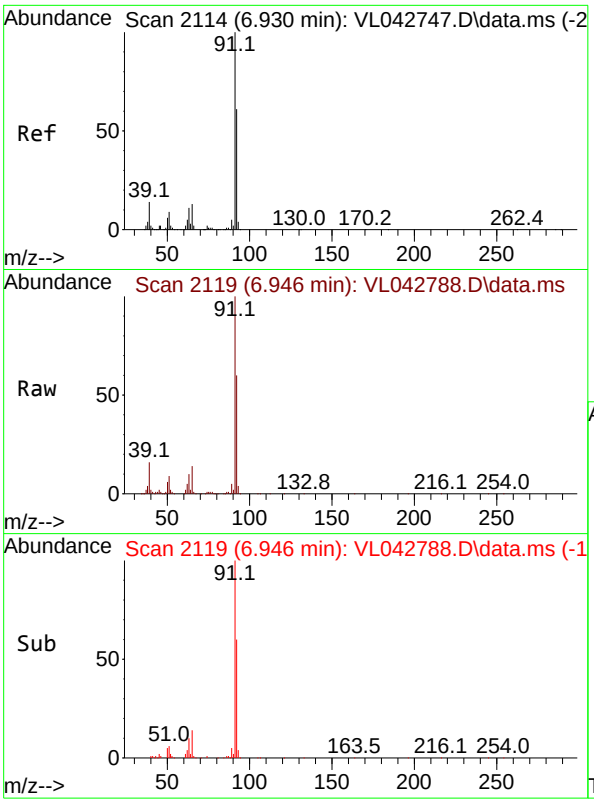


#52
Tetrachloroethene
Concen: 9.319 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:164 Resp: 143437

Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.0	156.0
129	100.3	79.2	118.8
131	94.4	76.2	114.4

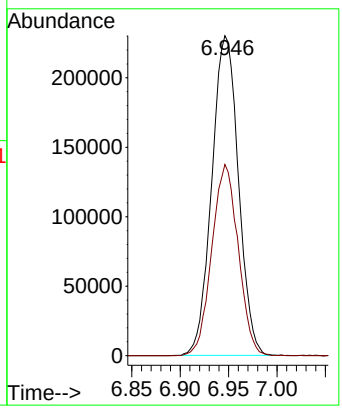




#53
Toluene
Concen: 11.044 ppbv
RT: 6.946 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 44037

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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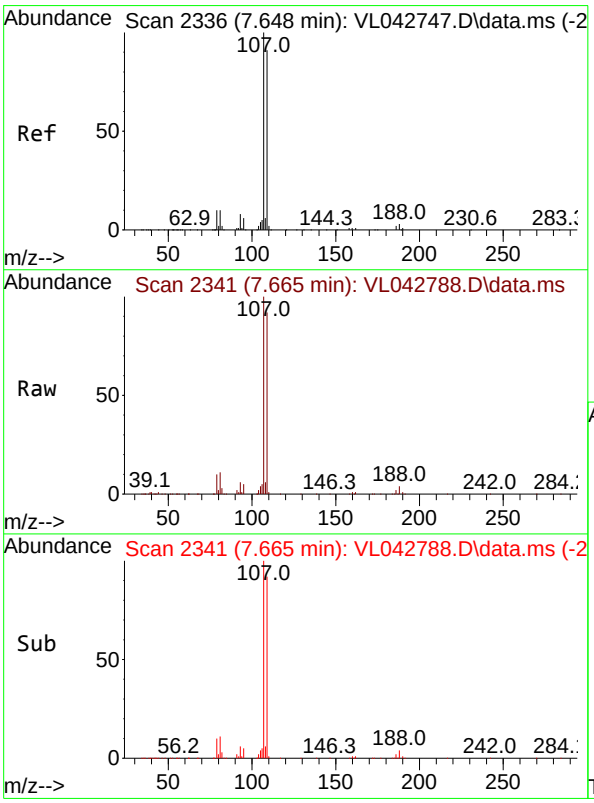
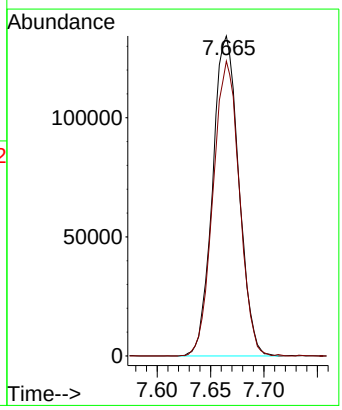
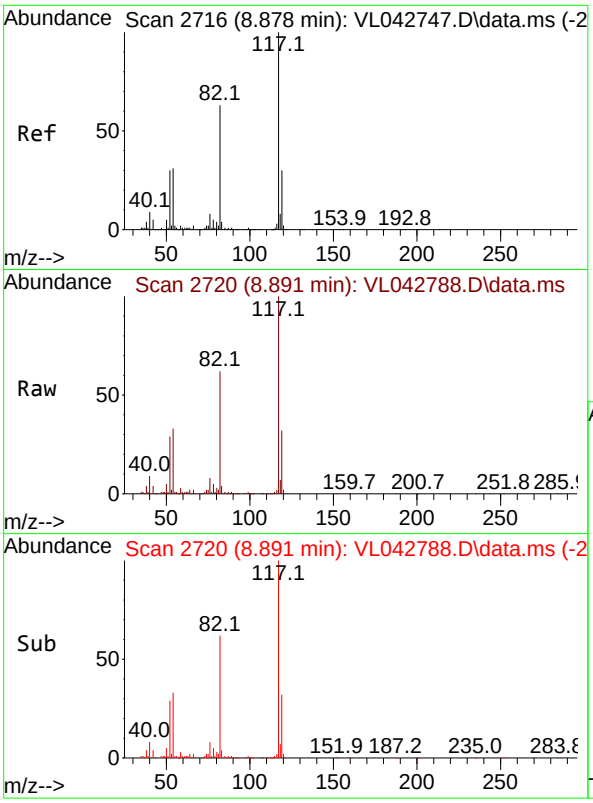


#54
1,2-Dibromoethane
Concen: 11.078 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:107 Resp: 228691

Ion	Ratio	Lower	Upper
107	100		
109	92.2	72.7	109.1

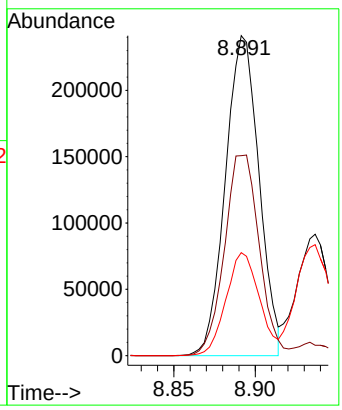




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:117 Resp: 34590

Ion	Ratio	Lower	Upper
117	100		
82	68.7	53.3	79.9
119	31.5	25.8	38.6



Instrument :
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ClientSampleId :
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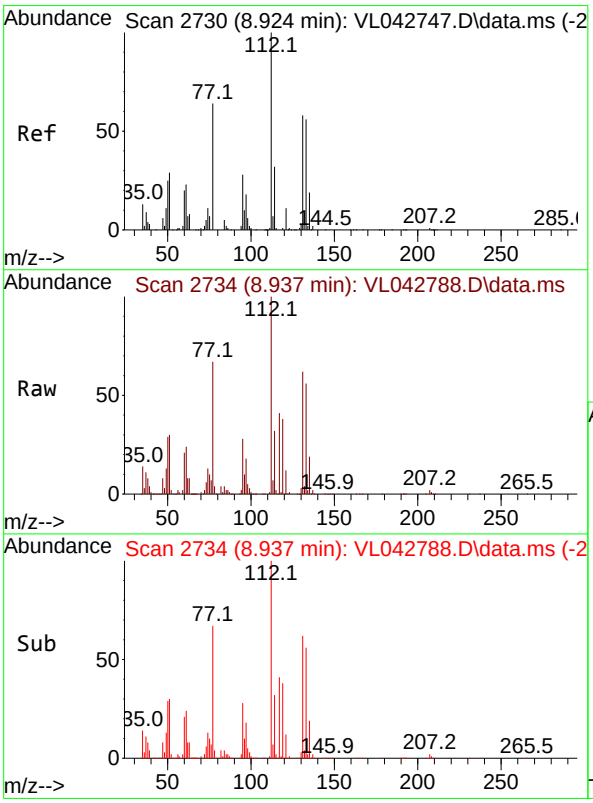
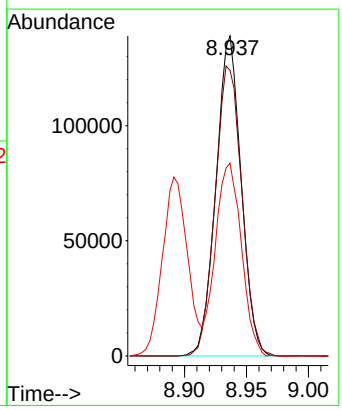
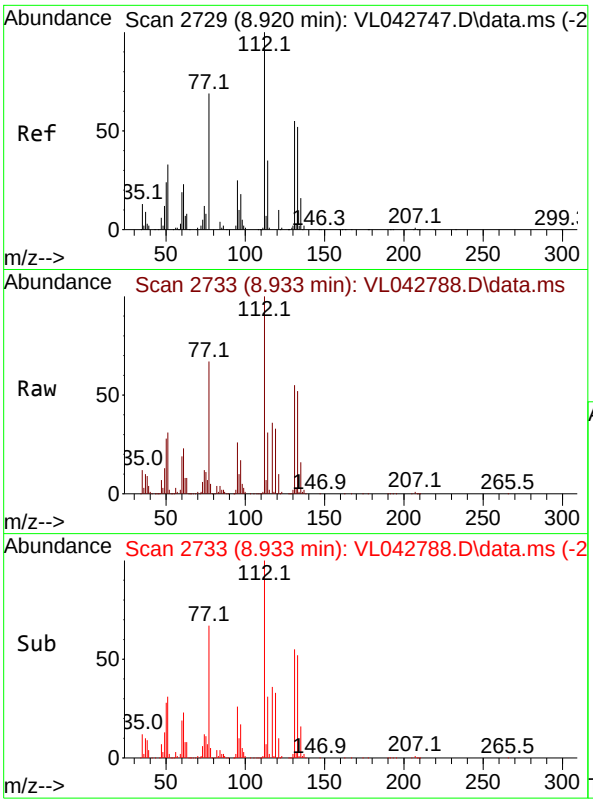


#56
1,1,1,2-Tetrachloroethane
Concen: 10.944 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:131 Resp: 196819

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.8	115.2
119	63.5	49.7	74.5

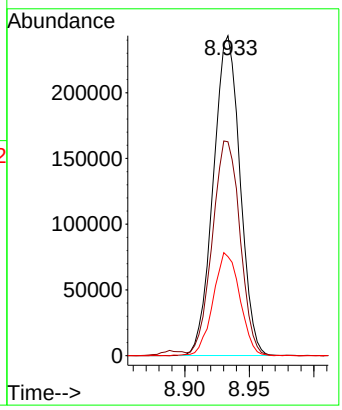




#57
Chlorobenzene
Concen: 10.455 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:112 Resp: 34999

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.4	84.6
114	30.9	31.2	38.2



Instrument :
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ClientSampleId :
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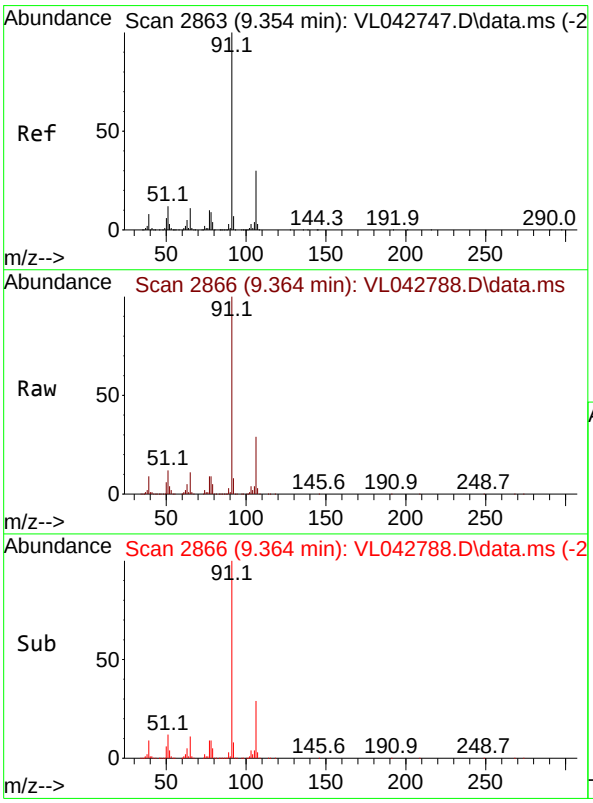
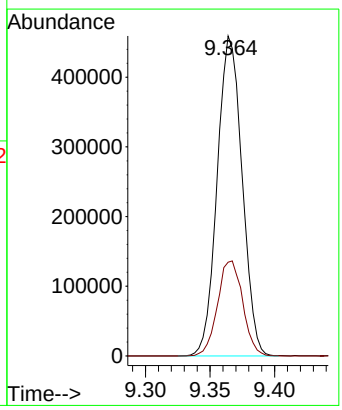
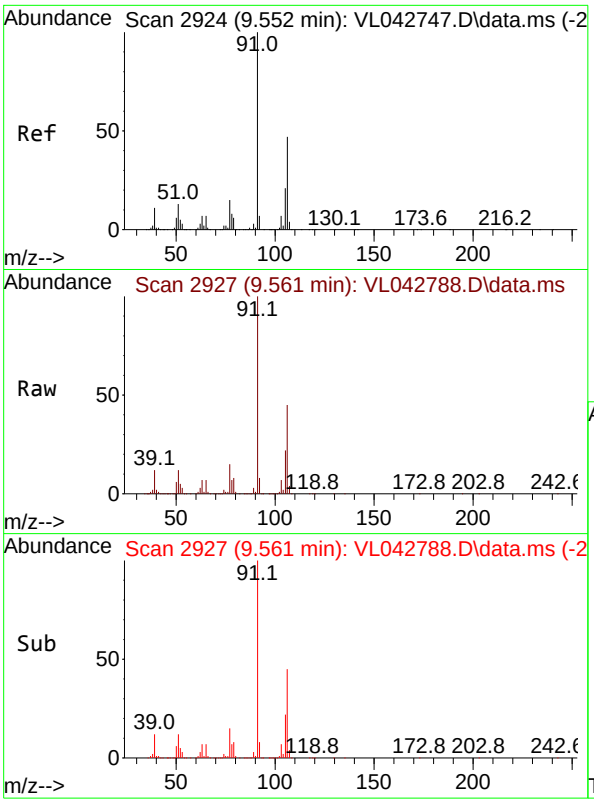


#58
Ethyl Benzene
Concen: 11.272 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 615736

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.8	35.6

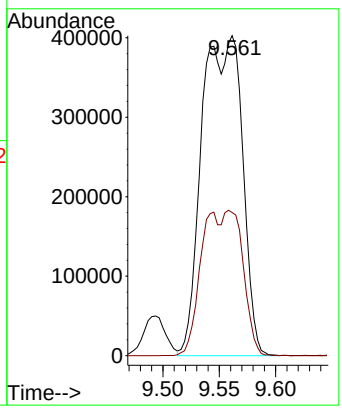




#59
m/p-Xylene
Concen: 23.053 ppbv m
RT: 9.561 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 100636

Ion	Ratio	Lower	Upper
91	100		
106	46.2	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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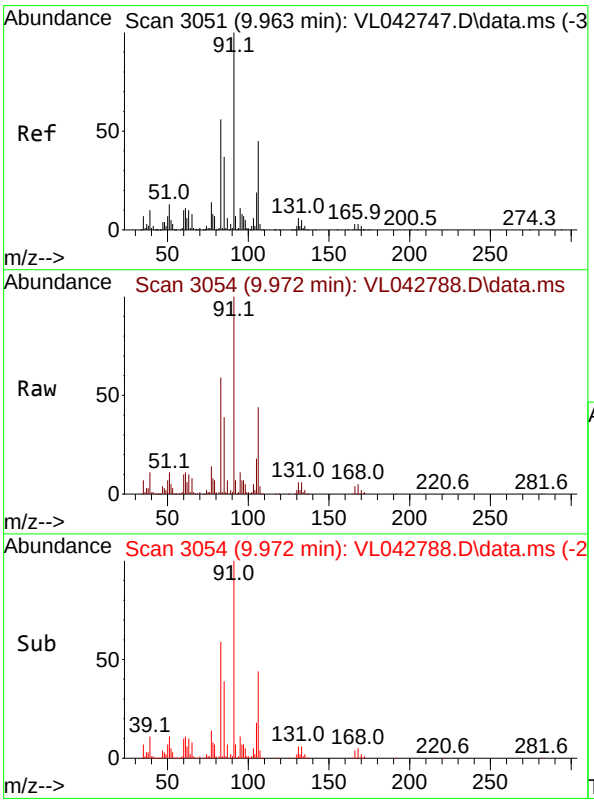
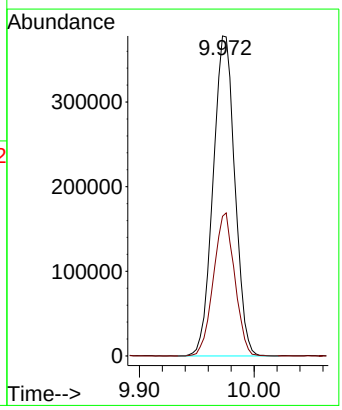
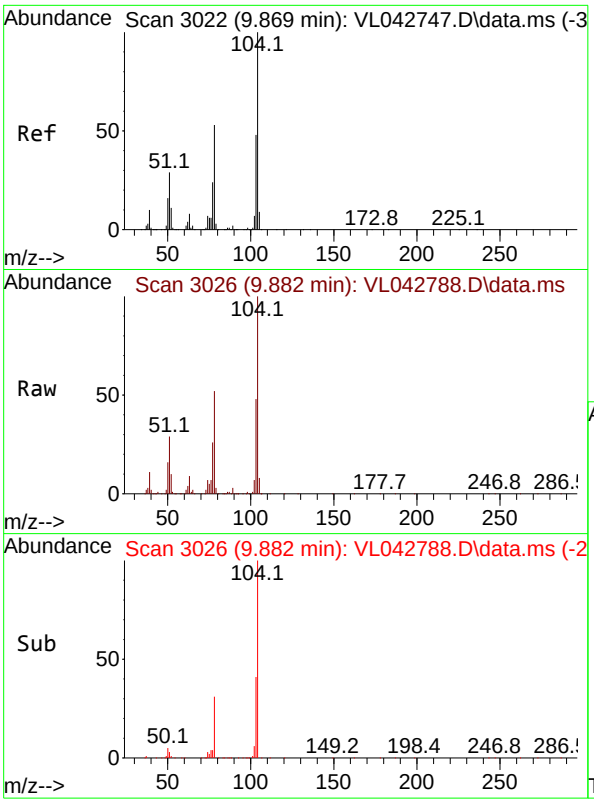


#60
o-Xylene
Concen: 11.414 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 497901

Ion	Ratio	Lower	Upper
91	100		
106	43.7	22.0	66.0

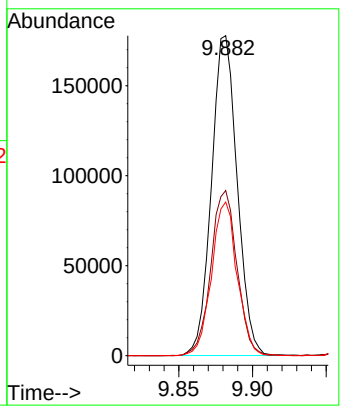




#61
Styrene
Concen: 11.742 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:104 Resp: 21546

Ion	Ratio	Lower	Upper
104	100		
78	52.5	41.5	62.3
103	47.9	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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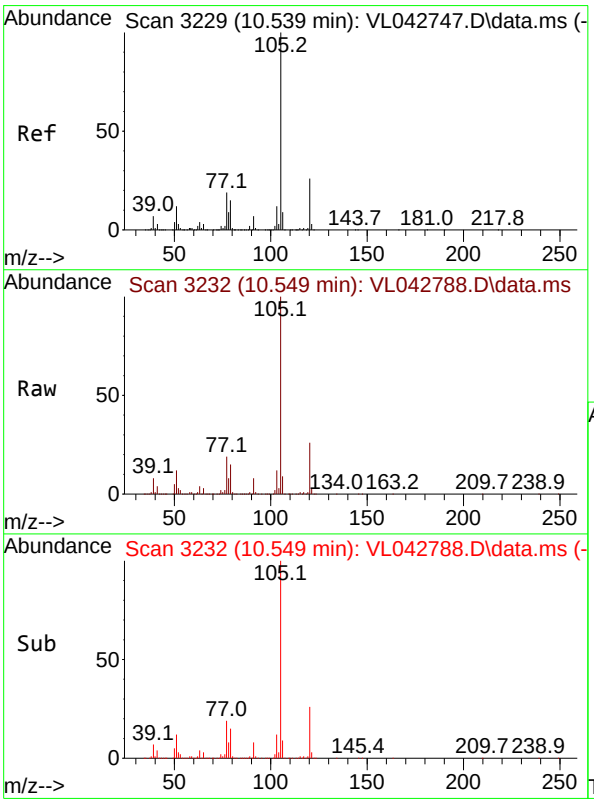
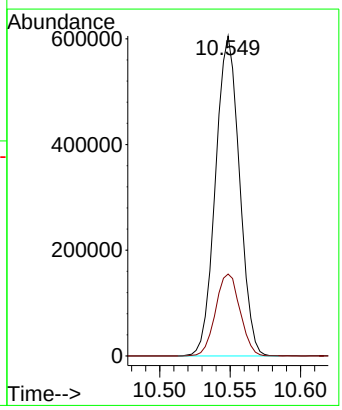
Supervised By :Mahesh Dadoda 08/01/2025

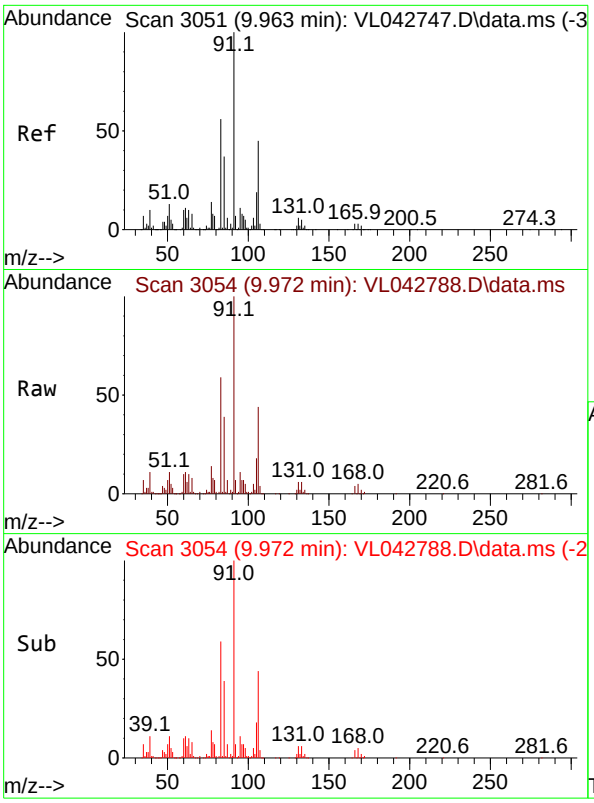


#62
Isopropylbenzene
Concen: 11.132 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 716277

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 10.413 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 83 Resp: 29162

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.1	32.6	97.7

Instrument :
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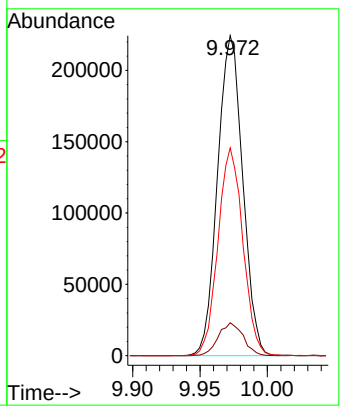
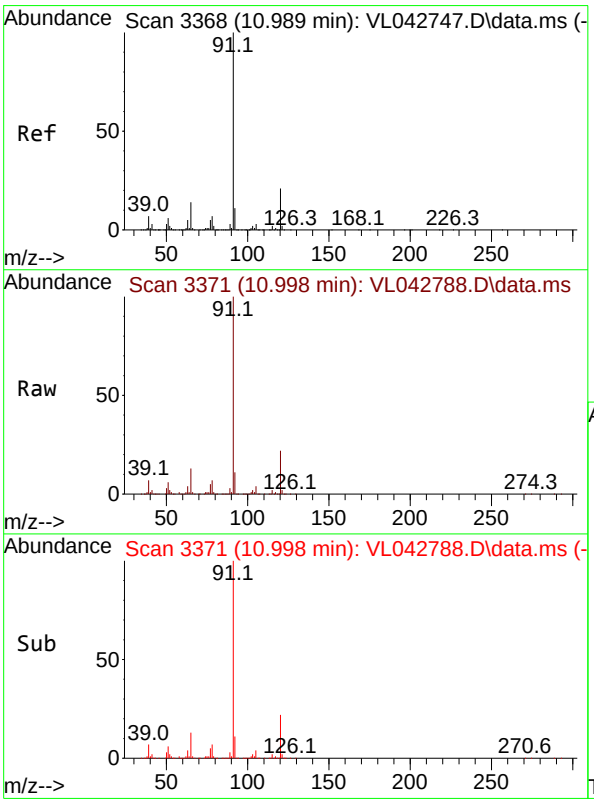
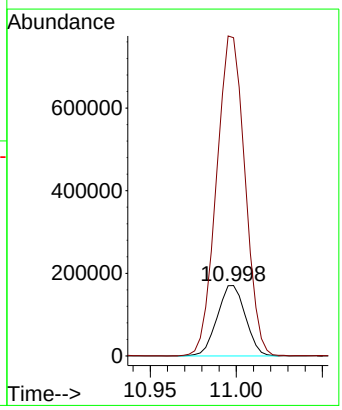


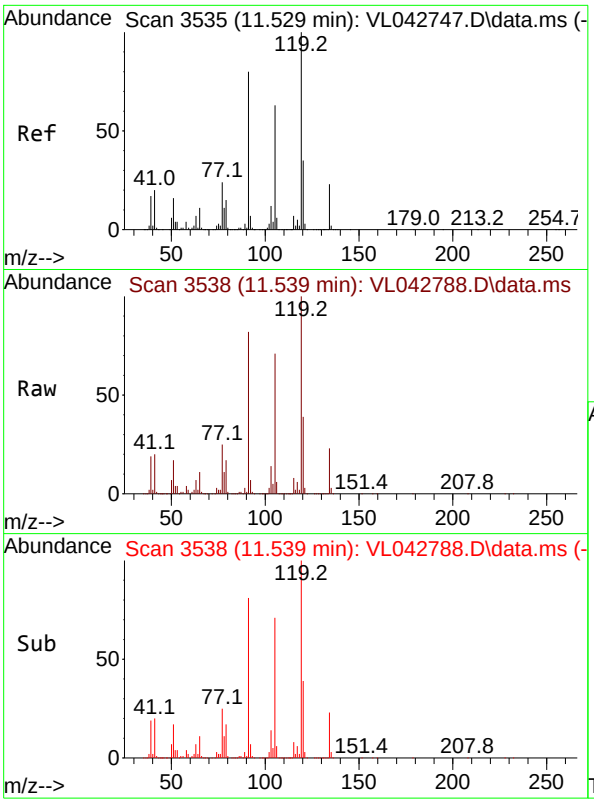


#64
n-propylbenzene
Concen: 11.563 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:120 Resp: 193965

Ion	Ratio	Lower	Upper
120	100		
91	459.7	372.7	559.1

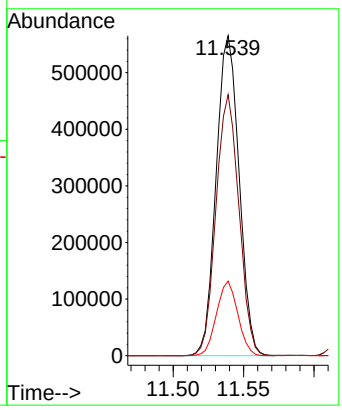




#65
tert-Butylbenzene
Concen: 11.215 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:119 Resp: 64102

Ion	Ratio	Lower	Upper
119	100		
91	81.6	64.0	96.0
134	21.6	17.3	25.9



Instrument :
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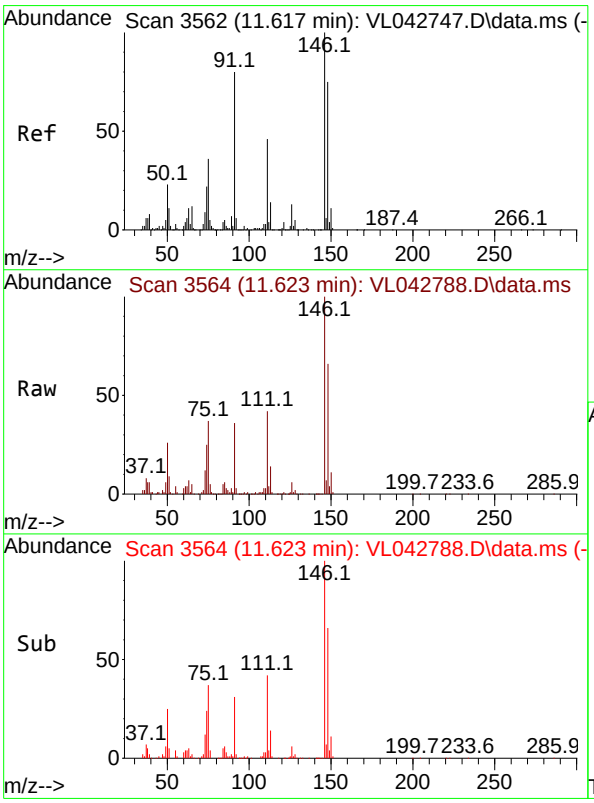
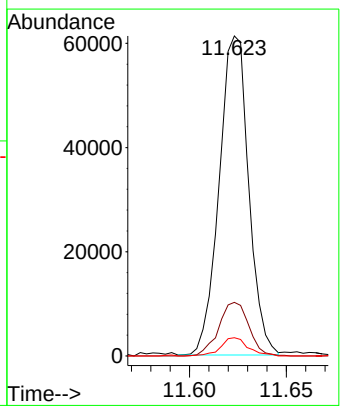
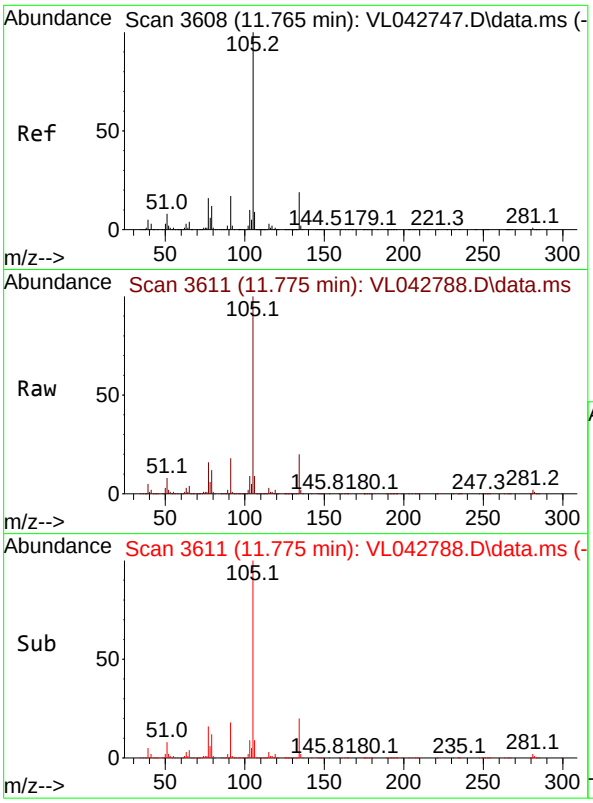


#66
Benzyl Chloride
Concen: 13.854 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 65004

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.4	21.6
128	5.4	5.2	7.8

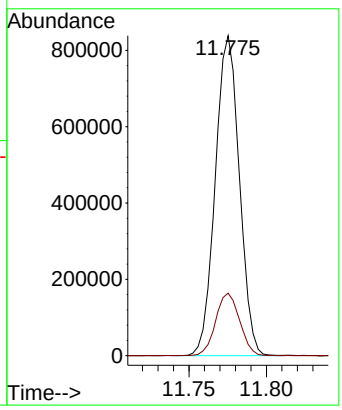




#67
sec-Butylbenzene
Concen: 11.144 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 90593

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3



Instrument :
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ClientSampleId :
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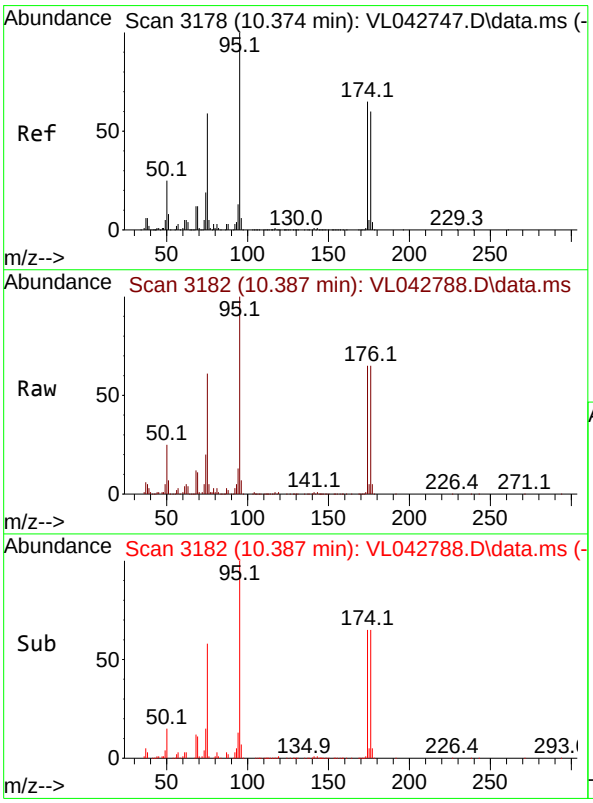
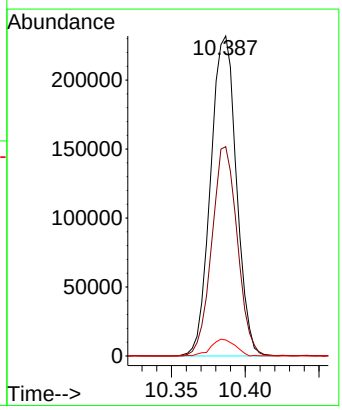
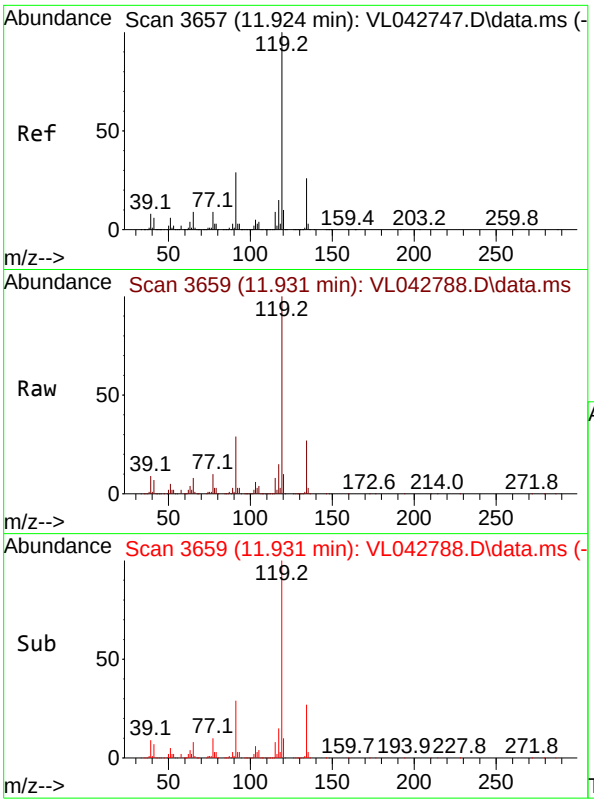


#68
1-Bromo-4-Fluorobenzene
Concen: 10.295 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 95 Resp: 282020

Ion	Ratio	Lower	Upper
95	100		
174	65.0	53.8	80.6
175	5.0	4.0	6.0

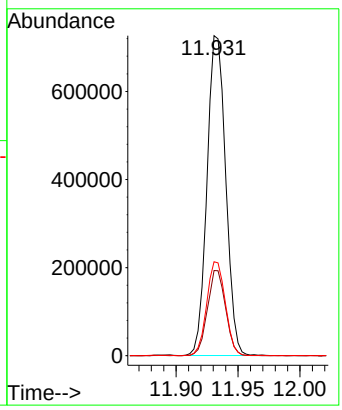




#69
p-Isopropyltoluene
Concen: 11.517 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:119 Resp: 76342

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.4	23.2	34.8



Instrument :
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ClientSampleId :
VSTDCCC010

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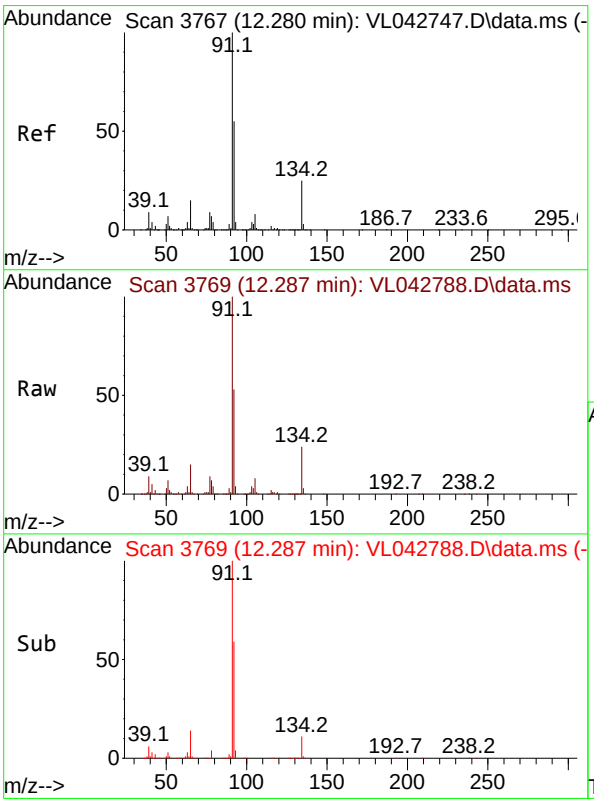
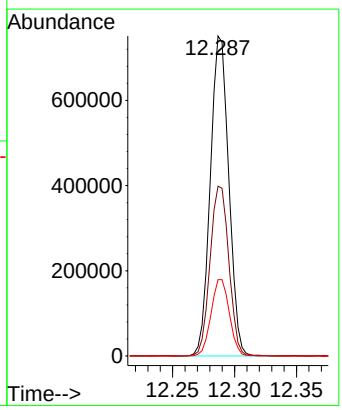
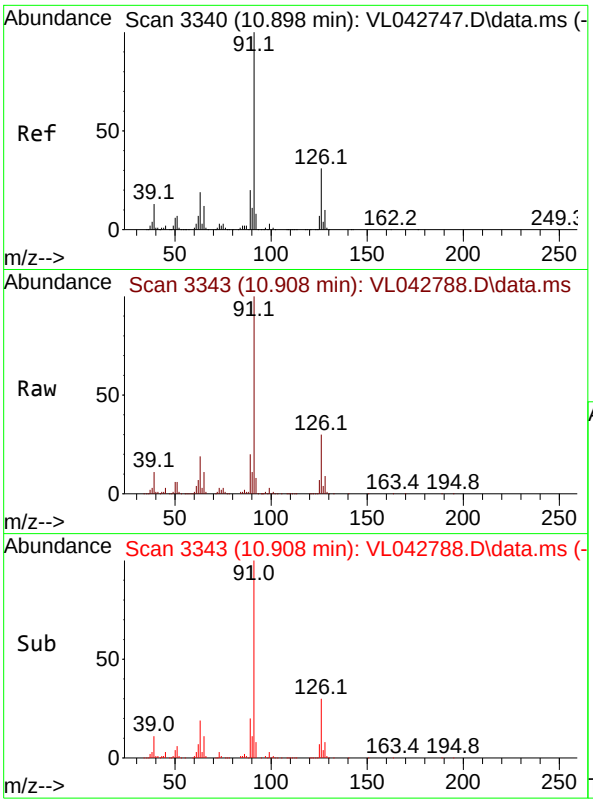


#70
n-Butylbenzene
Concen: 12.171 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 779301

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	23.7	19.6	29.4

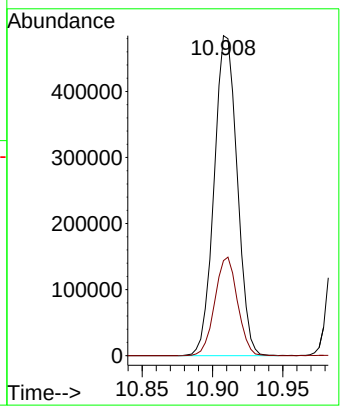




#71
2-Chlorotoluene
Concen: 11.203 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 55272

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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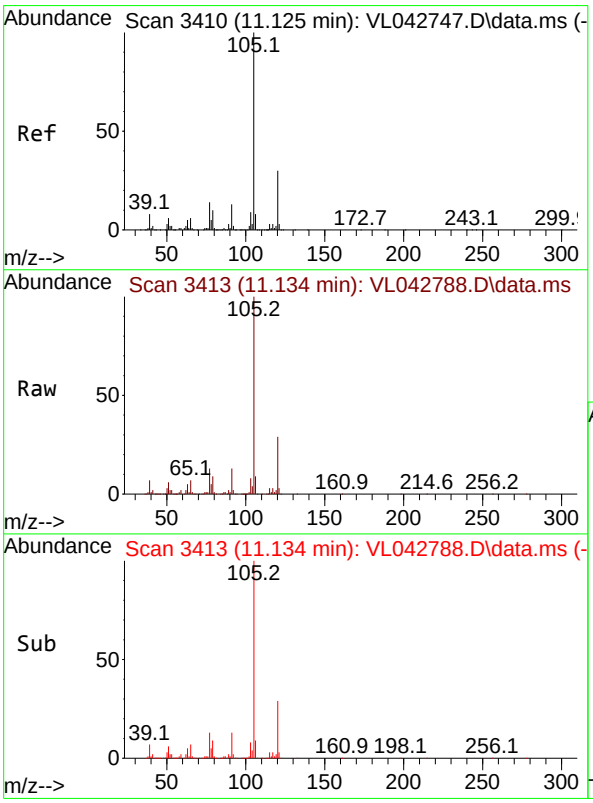
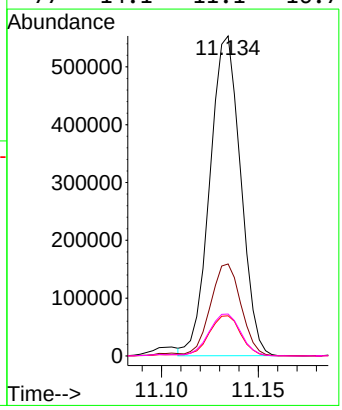
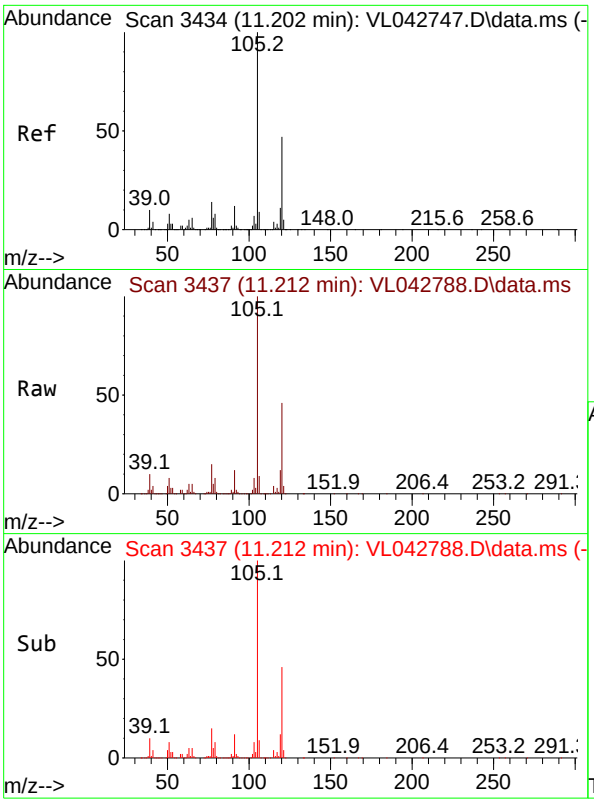


#72
4-Ethyltoluene
Concen: 11.745 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 611893

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.4	36.6
91	13.1	10.6	15.8
77	14.1	11.1	16.7

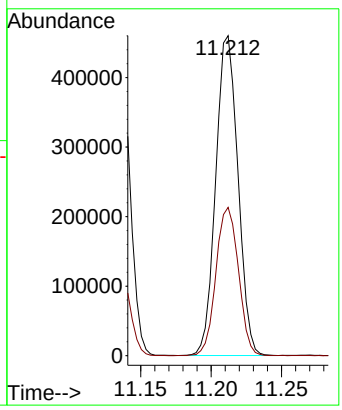




#73
1,3,5-Trimethylbenzene
Concen: 11.791 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 50573

Ion	Ratio	Lower	Upper
105	100		
120	46.3	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
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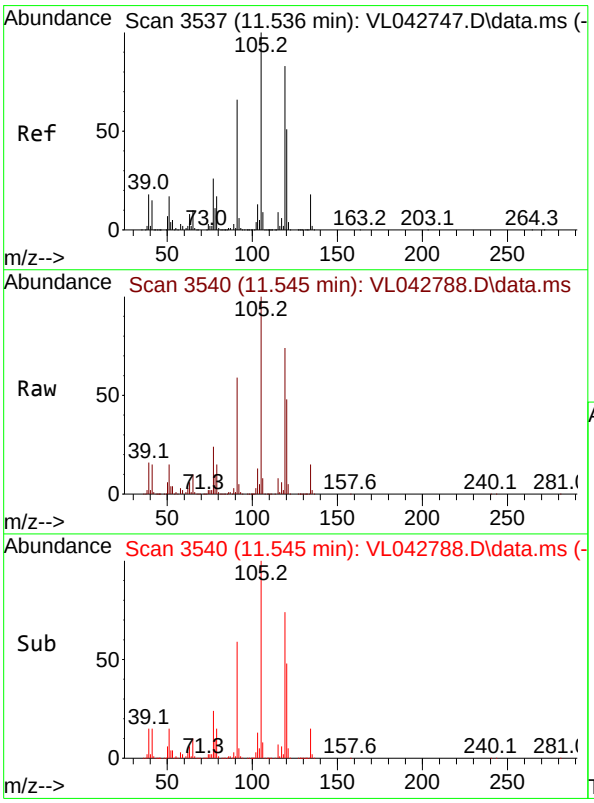
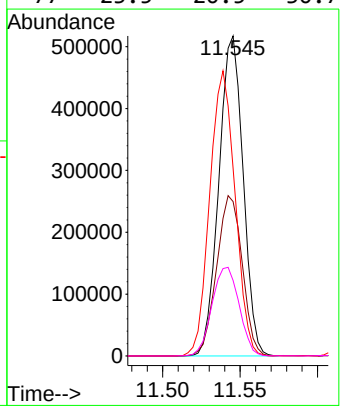
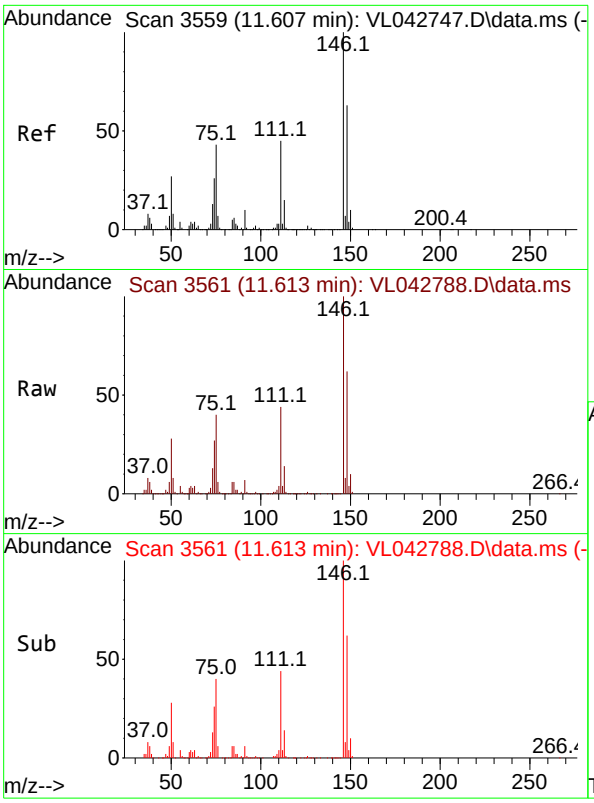


#74
1,2,4-Trimethylbenzene
Concen: 12.030 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 562952

Ion	Ratio	Lower	Upper
105	100		
120	48.3	40.8	61.2
91	58.6	53.0	79.4
77	23.5	20.5	30.7

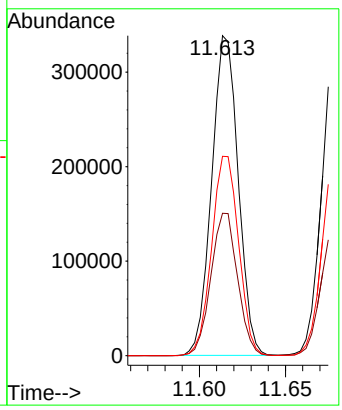




#75
1,3-Dichlorobenzene
Concen: 11.049 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:146 Resp: 36246

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	63.6	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
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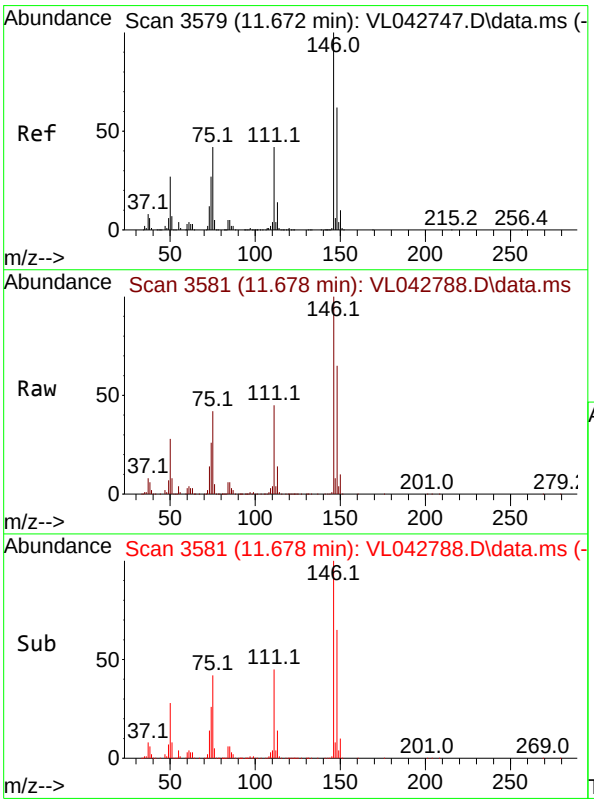
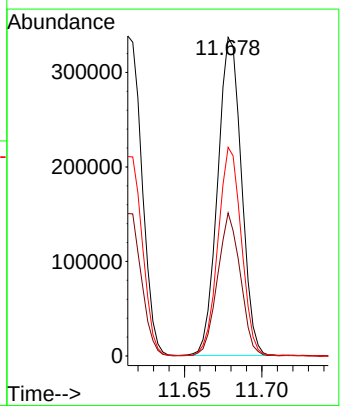
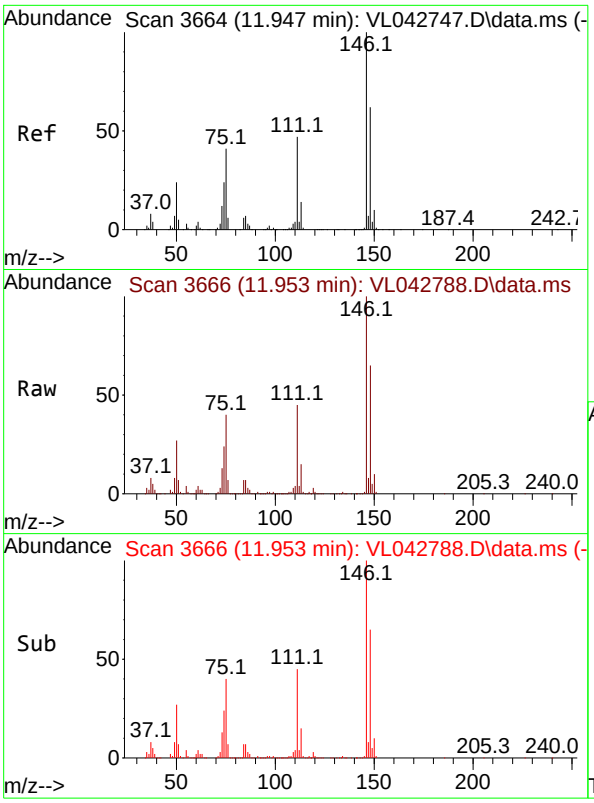


#76
1,4-Dichlorobenzene
Concen: 11.209 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:146 Resp: 359833

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.2
148	64.8	32.1	96.3

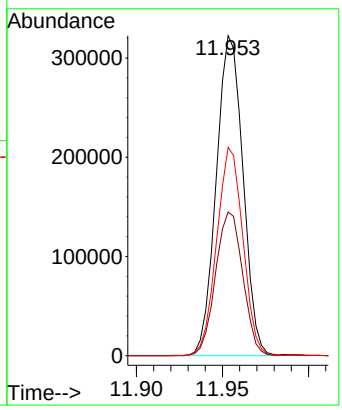




#77
1,2-Dichlorobenzene
Concen: 10.812 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:146 Resp: 34862

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.1	32.6	97.7



Instrument :
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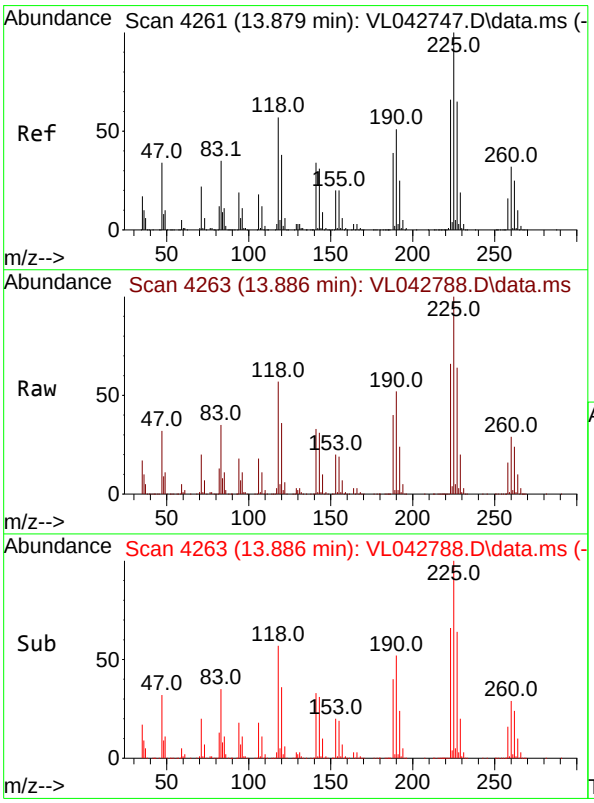
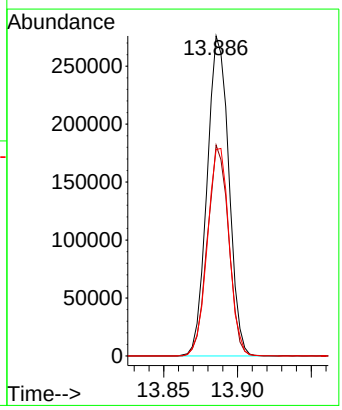
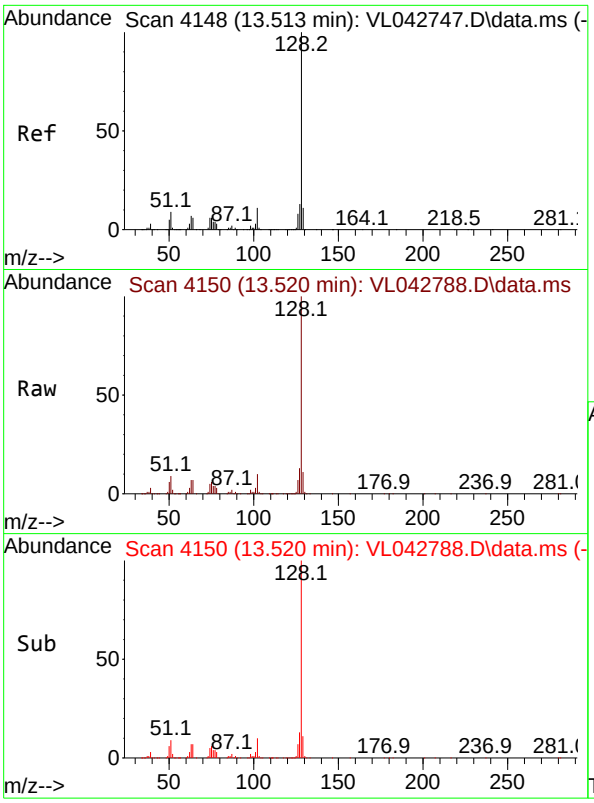


#78
Hexachloro-1,3-Butadiene
Concen: 9.673 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:225 Resp: 282288

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	65.1	50.5	75.7

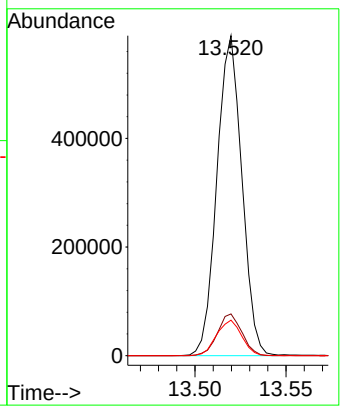




#79
Naphthalene
Concen: 11.014 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:128 Resp: 56158

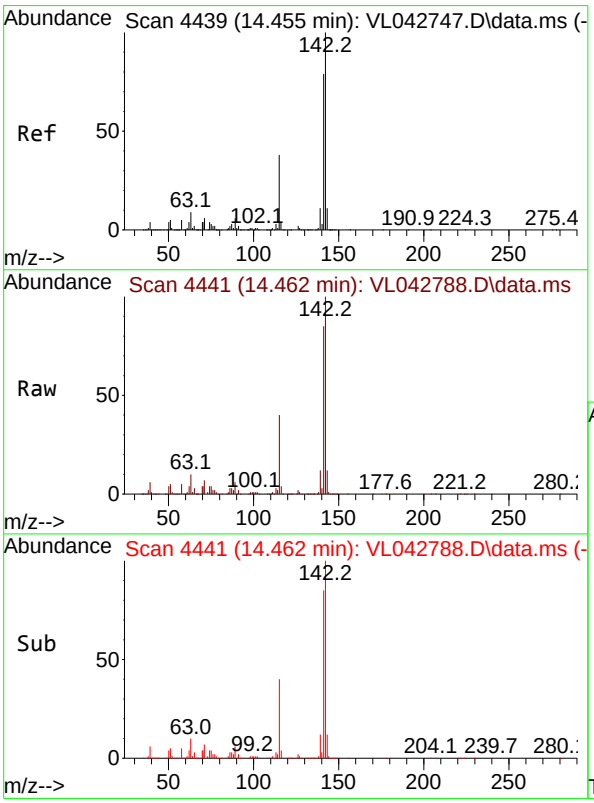
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

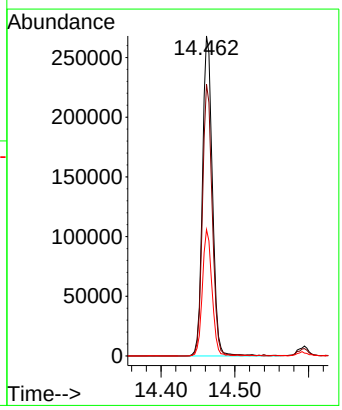
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

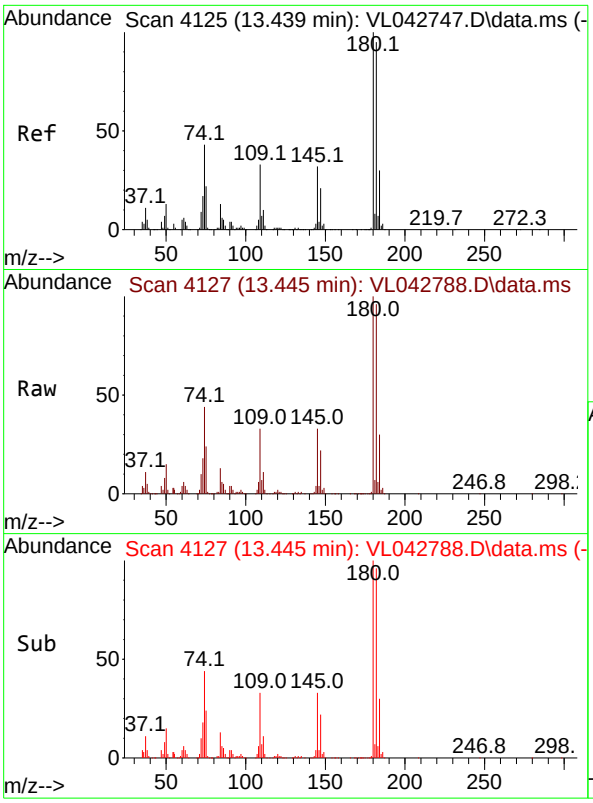


#80
Naphthalene,2-methyl-
Concen: 9.837 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:142 Resp: 249243

Ion	Ratio	Lower	Upper
142	100		
141	83.7	65.8	98.8
115	38.5	31.2	46.8

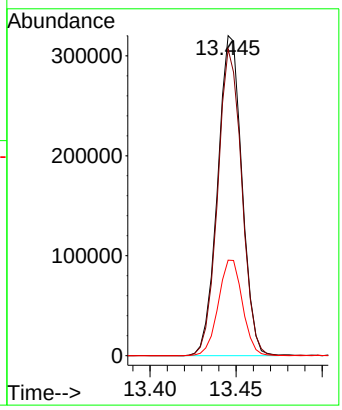




#81
1,2,4-Trichlorobenzene
Concen: 10.987 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:180 Resp: 31483

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	29.7	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	1.322	1.259	4.8	92	0.00
3		Chlorodifluoromethane	1.722	1.763	-2.4	95	0.00
4		Chloromethane	0.535	0.500	6.5	90	0.00
5	T	Vinyl Chloride	0.528	0.464	12.1	99	0.00
6	T	Bromomethane	0.204	0.201	1.5	99	0.00
7		Chloroethane	0.204	0.187	8.3	93	0.00
8	T	Dichlorotetrafluoroethane	1.087	1.041	4.2	93	0.00
9	T	Propene	0.626	0.681	-8.8	101	0.00
10	T	Heptane	1.688	1.848	-9.5	99	0.02
11	T	Trichlorofluoromethane	1.363	1.244	8.7	89	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.036	0.994	4.1	93	0.00
13		Ethanol	0.083	0.052	37.3#	90	0.00
14	T	Bromoethene	0.367	0.353	3.8	92	0.00
15	T	Acetone	1.381	1.094	20.8	96	0.00
16	T	1,3-Butadiene	0.589	0.555	5.8	96	0.00
17		tert-Butyl alcohol	1.245	1.150	7.6	87	0.00
18	T	1,1-Dichloroethene	0.468	0.430	8.1	93	0.00
19	T	Isopropyl Alcohol	0.734	0.677	7.8	90	0.00
20	T	Methylene Chloride	0.435	0.373	14.3	97	0.00
21	T	Allyl Chloride	0.851	0.845	0.7	93	0.00
22	T	trans-1,2-Dichloroethene	0.503	0.484	3.8	92	0.00
23	T	Vinyl Acetate	1.674	2.050	-22.5	105	0.00
24	T	1,1-Dichloroethane	1.033	0.981	5.0	91	0.00
25	T	Ethyl Acetate	3.056	3.271	-7.0	97	0.00
26	T	Hexane	1.341	1.394	-4.0	95	0.00
27	T	Carbon Disulfide	1.148	1.189	-3.6	96	0.00
28	T	Methyl tert-Butyl Ether	0.633	0.632	0.2	100	0.00
29	T	Chloroform	2.072	2.165	-4.5	99	0.00
30	T	Cyclohexane	1.137	1.182	-4.0	92	0.01
31	T	cis-1,2-Dichloroethene	1.378	1.412	-2.5	95	0.00
32	T	1,1,1-Trichloroethane	2.158	2.126	1.5	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.01
34	T	2-Butanone	0.708	0.760	-7.3	97	0.00
35	T	Carbon Tetrachloride	0.743	0.793	-6.7	96	0.01
36	T	Benzene	0.948	1.000	-5.5	94	0.00
37	T	1,2-Dichloroethane	0.571	0.605	-6.0	95	0.00
38	T	Trichloroethene	0.455	0.455	0.0	94	0.02
39	T	1,2-Dichloropropane	0.350	0.367	-4.9	96	0.01
40	T	1,4-Dioxane	0.163	0.164	-0.6	98	0.02
41	T	Tetrahydrofuran	0.360	0.413	-14.7	97	0.00
42	T	Bromodichloromethane	0.744	0.827	-11.2	97	0.02
43		Methyl Methacrylate	0.337	0.385	-14.2	94	0.02
44	T	2,2,4-Trimethylpentane	1.545	1.721	-11.4	98	0.01
45	T	t-1,3-Dichloropropene	0.378	0.430	-13.8	91	0.02
46	T	cis-1,3-Dichloropropene	0.479	0.555	-15.9	93	0.02
47	T	1,1,2-Trichloroethane	0.373	0.396	-6.2	97	0.02
48	T	Dibromochloromethane	0.592	0.672	-13.5	95	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.516	0.596	-15.5	95	0.01
50	T	4-Methyl-2-Pentanone	0.912	1.013	-11.1	96	0.02
51	T	2-Hexanone	0.690	0.812	-17.7	95	0.02
52	T	Tetrachloroethene	0.393	0.366	6.9	91	0.00
53	T	Toluene	1.018	1.124	-10.4	93	0.02
54	T	1,2-Dibromoethane	0.527	0.584	-10.8	96	0.02
55	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.01
56		1,1,1,2-Tetrachloroethane	0.520	0.569	-9.4	96	0.01
57	T	Chlorobenzene	0.968	1.012	-4.5	94	0.01
58	T	Ethyl Benzene	1.579	1.780	-12.7	94	0.00
59	T	m/p-Xylene	1.262	1.455	-15.3	97	0.00
60	T	o-Xylene	1.261	1.439	-14.1	96	0.00
61	T	Styrene	0.531	0.623	-17.3	91	0.01
62		Isopropylbenzene	1.860	2.071	-11.3	95	0.00
63	T	1,1,2,2-Tetrachloroethane	0.810	0.843	-4.1	100	0.00
64		n-propylbenzene	0.485	0.561	-15.7	98	0.00
65		tert-Butylbenzene	1.652	1.853	-12.2	95	0.00
66	T	Benzyl Chloride	0.136	0.188	-38.2#	97	0.00
67		sec-Butylbenzene	2.350	2.619	-11.4	96	0.00
68	S	1-Bromo-4-Fluorobenzene	0.792	0.815	-2.9	83	0.01
69		p-Isopropyltoluene	1.916	2.207	-15.2	94	0.00
70		n-Butylbenzene	1.851	2.253	-21.7	95	0.00
71		2-Chlorotoluene	1.426	1.598	-12.1	95	0.00
72	T	4-Ethyltoluene	1.506	1.769	-17.5	95	0.00
73	T	1,3,5-Trimethylbenzene	1.240	1.462	-17.9	94	0.00
74	T	1,2,4-Trimethylbenzene	1.353	1.627	-20.3	96	0.00
75	T	1,3-Dichlorobenzene	0.948	1.048	-10.5	97	0.00
76	T	1,4-Dichlorobenzene	0.928	1.040	-12.1	95	0.00
77	T	1,2-Dichlorobenzene	0.932	1.008	-8.2	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.844	0.816	3.3	94	0.00
79	T	Naphthalene	0.958	1.624	-69.5#	94	0.00
80	T	Naphthalene,2-methyl-	0.326	0.721	-121.2#	86	0.00
81	T	1,2,4-Trichlorobenzene	0.635	0.910	-43.3#	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	10.000	9.525	4.7	92	0.00
3		Chlorodifluoromethane	10.000	10.235	-2.3	95	0.00
4		Chloromethane	10.000	9.341	6.6	90	0.00
5	T	Vinyl Chloride	10.000	8.781	12.2	99	0.00
6	T	Bromomethane	10.000	9.837	1.6	99	0.00
7		Chloroethane	10.000	9.160	8.4	93	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.571	4.3	93	0.00
9	T	Propene	10.000	10.882	-8.8	101	0.00
10	T	Heptane	10.000	10.950	-9.5	99	0.02
11	T	Trichlorofluoromethane	10.000	9.128	8.7	89	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.600	4.0	93	0.00
13		Ethanol	10.000	10.150	-1.5	90	0.00
14	T	Bromoethene	10.000	9.639	3.6	92	0.00
15	T	Acetone	10.000	7.924	20.8	96	0.00
16	T	1,3-Butadiene	10.000	9.425	5.7	96	0.00
17		tert-Butyl alcohol	10.000	9.237	7.6	87	0.00
18	T	1,1-Dichloroethene	10.000	9.195	8.0	93	0.00
19	T	Isopropyl Alcohol	10.000	9.229	7.7	90	0.00
20	T	Methylene Chloride	10.000	8.566	14.3	97	0.00
21	T	Allyl Chloride	10.000	9.930	0.7	93	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.614	3.9	92	0.00
23	T	Vinyl Acetate	10.000	12.247	-22.5	105	0.00
24	T	1,1-Dichloroethane	10.000	9.496	5.0	91	0.00
25	T	Ethyl Acetate	10.000	10.702	-7.0	97	0.00
26	T	Hexane	10.000	10.399	-4.0	95	0.00
27	T	Carbon Disulfide	10.000	10.356	-3.6	96	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.982	0.2	100	0.00
29	T	Chloroform	10.000	10.451	-4.5	99	0.00
30	T	Cyclohexane	10.000	10.398	-4.0	92	0.01
31	T	cis-1,2-Dichloroethene	10.000	10.250	-2.5	95	0.00
32	T	1,1,1-Trichloroethane	10.000	9.850	1.5	95	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	85	0.01
34	T	2-Butanone	10.000	10.726	-7.3	97	0.00
35	T	Carbon Tetrachloride	10.000	10.672	-6.7	96	0.01
36	T	Benzene	10.000	10.548	-5.5	94	0.00
37	T	1,2-Dichloroethane	10.000	10.592	-5.9	95	0.00
38	T	Trichloroethene	10.000	9.991	0.1	94	0.02
39	T	1,2-Dichloropropane	10.000	10.505	-5.1	96	0.01
40	T	1,4-Dioxane	10.000	10.049	-0.5	98	0.02
41	T	Tetrahydrofuran	10.000	11.447	-14.5	97	0.00
42	T	Bromodichloromethane	10.000	11.125	-11.3	97	0.02
43		Methyl Methacrylate	10.000	11.418	-14.2	94	0.02
44	T	2,2,4-Trimethylpentane	10.000	11.142	-11.4	98	0.01
45	T	t-1,3-Dichloropropene	10.000	11.393	-13.9	91	0.02
46	T	cis-1,3-Dichloropropene	10.000	11.589	-15.9	93	0.02
47	T	1,1,2-Trichloroethane	10.000	10.618	-6.2	97	0.02
48	T	Dibromochloromethane	10.000	11.346	-13.5	95	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	11.551	-15.5	95	0.01
50	T	4-Methyl-2-Pentanone	10.000	11.101	-11.0	96	0.02
51	T	2-Hexanone	10.000	11.778	-17.8	95	0.02
52	T	Tetrachloroethene	10.000	9.319	6.8	91	0.00
53	T	Toluene	10.000	11.044	-10.4	93	0.02
54	T	1,2-Dibromoethane	10.000	11.078	-10.8	96	0.02
55	I	Chlorobenzene-d5	10.000	10.000	0.0	82	0.01
56		1,1,1,2-Tetrachloroethane	10.000	10.944	-9.4	96	0.01
57	T	Chlorobenzene	10.000	10.455	-4.6	94	0.01
58	T	Ethyl Benzene	10.000	11.272	-12.7	94	0.00
59	T	m/p-Xylene	20.000	23.053	-15.3	97	0.00
60	T	o-Xylene	10.000	11.414	-14.1	96	0.00
61	T	Styrene	10.000	11.742	-17.4	91	0.01
62		Isopropylbenzene	10.000	11.132	-11.3	95	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	10.413	-4.1	100	0.00
64		n-propylbenzene	10.000	11.563	-15.6	98	0.00
65		tert-Butylbenzene	10.000	11.215	-12.1	95	0.00
66	T	Benzyl Chloride	10.000	13.854	-38.5#	97	0.00
67		sec-Butylbenzene	10.000	11.144	-11.4	96	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.295	-2.9	83	0.01
69		p-Isopropyltoluene	10.000	11.517	-15.2	94	0.00
70		n-Butylbenzene	10.000	12.171	-21.7	95	0.00
71		2-Chlorotoluene	10.000	11.203	-12.0	95	0.00
72	T	4-Ethyltoluene	10.000	11.745	-17.4	95	0.00
73	T	1,3,5-Trimethylbenzene	10.000	11.791	-17.9	94	0.00
74	T	1,2,4-Trimethylbenzene	10.000	12.030	-20.3	96	0.00
75	T	1,3-Dichlorobenzene	10.000	11.049	-10.5	97	0.00
76	T	1,4-Dichlorobenzene	10.000	11.209	-12.1	95	0.00
77	T	1,2-Dichlorobenzene	10.000	10.812	-8.1	97	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.673	3.3	94	0.00
79	T	Naphthalene	10.000	11.014	-10.1	94	0.00
80	T	Naphthalene,2-methyl-	10.000	9.837	1.6	86	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.987	-9.9	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

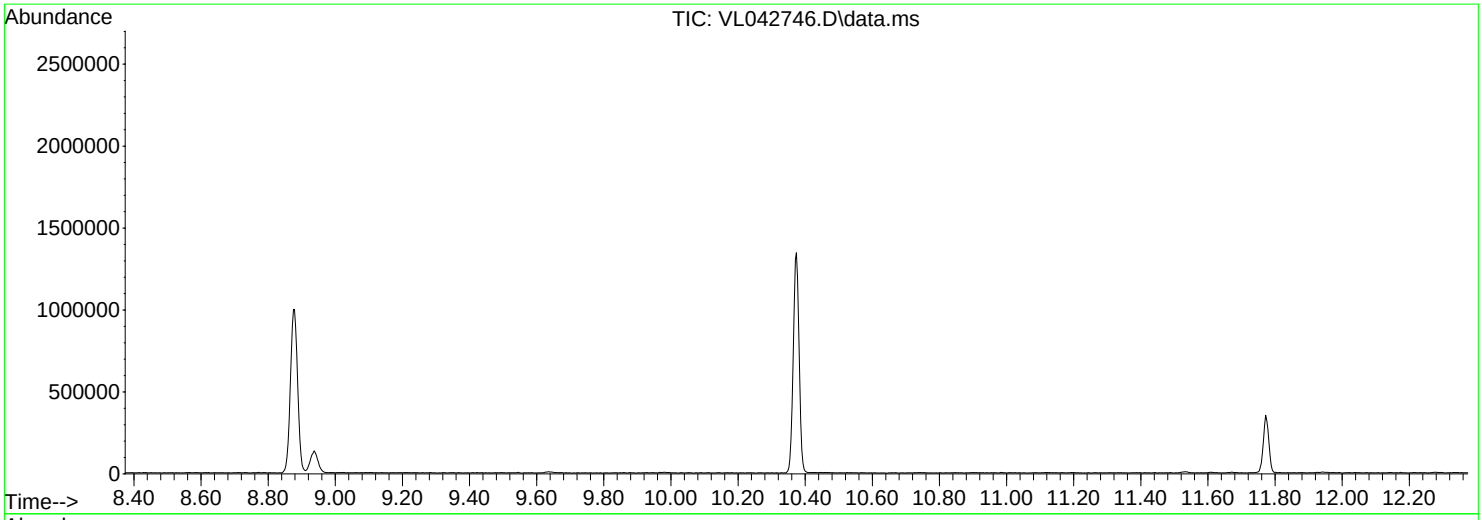
BFB

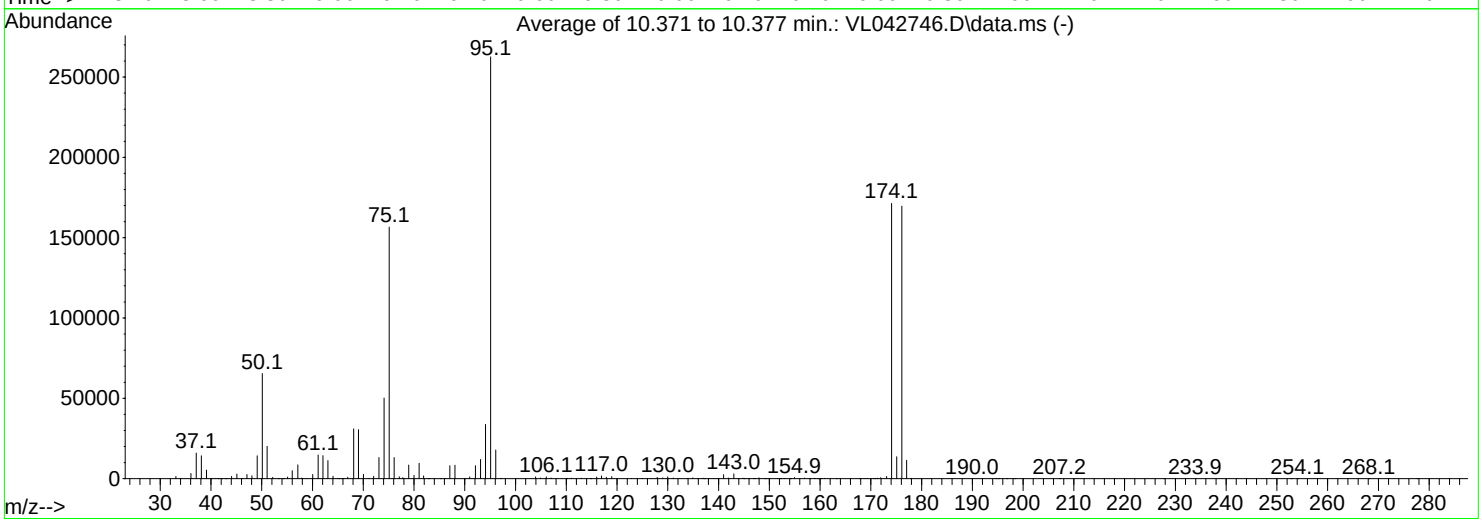
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042746.D
Acq On : 23 Jul 2025 08:00
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025





AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.9	65392	PASS
75	95	30	66	59.7	156629	PASS
95	95	100	100	100.0	262571	PASS
96	95	5	9	6.8	17820	PASS
173	174	0.00	2	0.8	1428	PASS
174	95	50	120	65.3	171349	PASS
175	174	4	9	8.0	13693	PASS
176	174	93	101	99.0	169621	PASS
177	176	5	9	6.7	11431	PASS

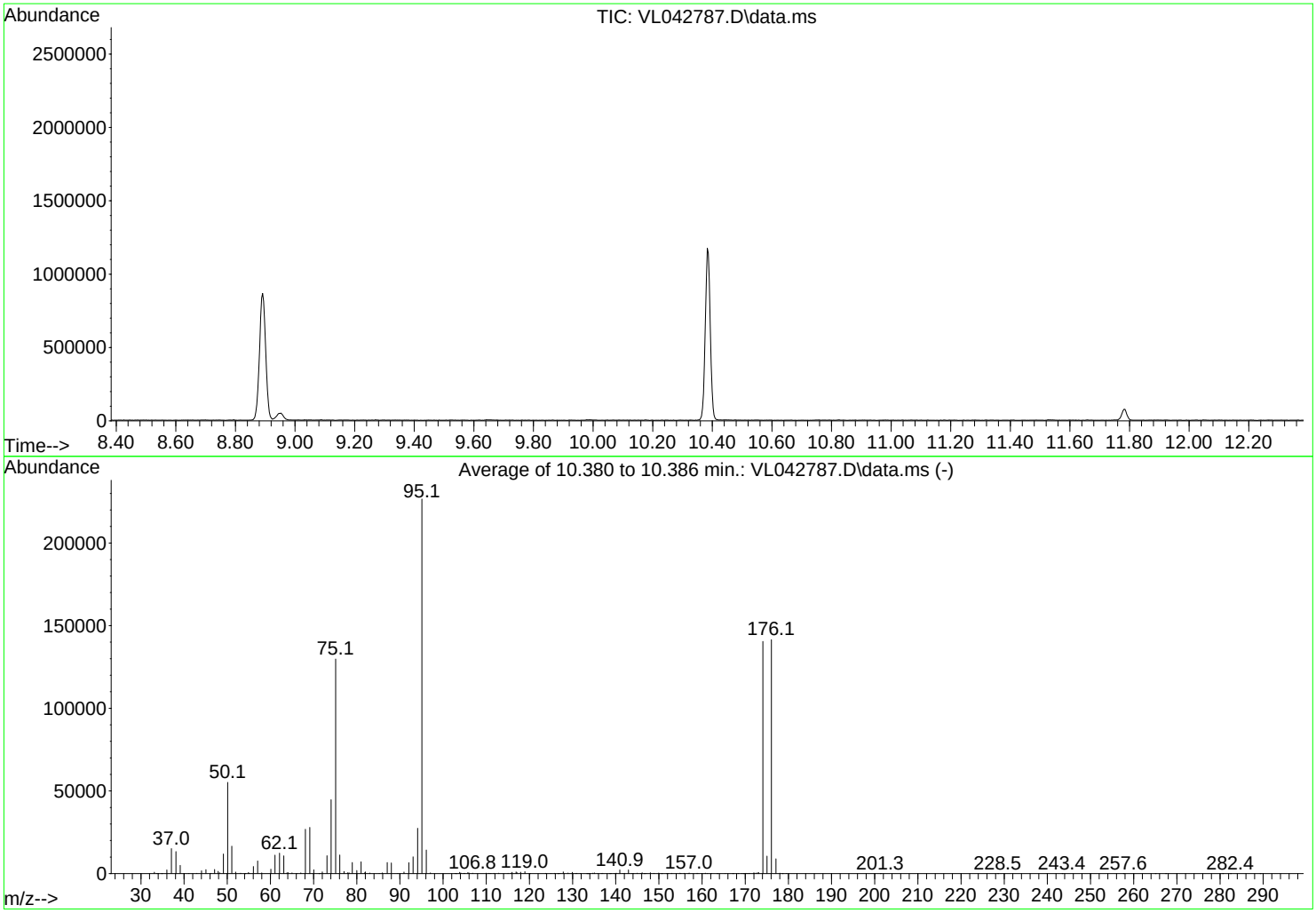
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042787.D
Acq On : 31 Jul 2025 07:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025



AutoFind: Scans 3180, 3181, 3182; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.3	55155	PASS
75	95	30	66	57.3	129853	PASS
95	95	100	100	100.0	226624	PASS
96	95	5	9	6.3	14293	PASS
173	174	0.00	2	0.4	628	PASS
174	95	50	120	62.0	140456	PASS
175	174	4	9	7.5	10600	PASS
176	174	93	101	100.7	141471	PASS
177	176	5	9	6.3	8945	PASS

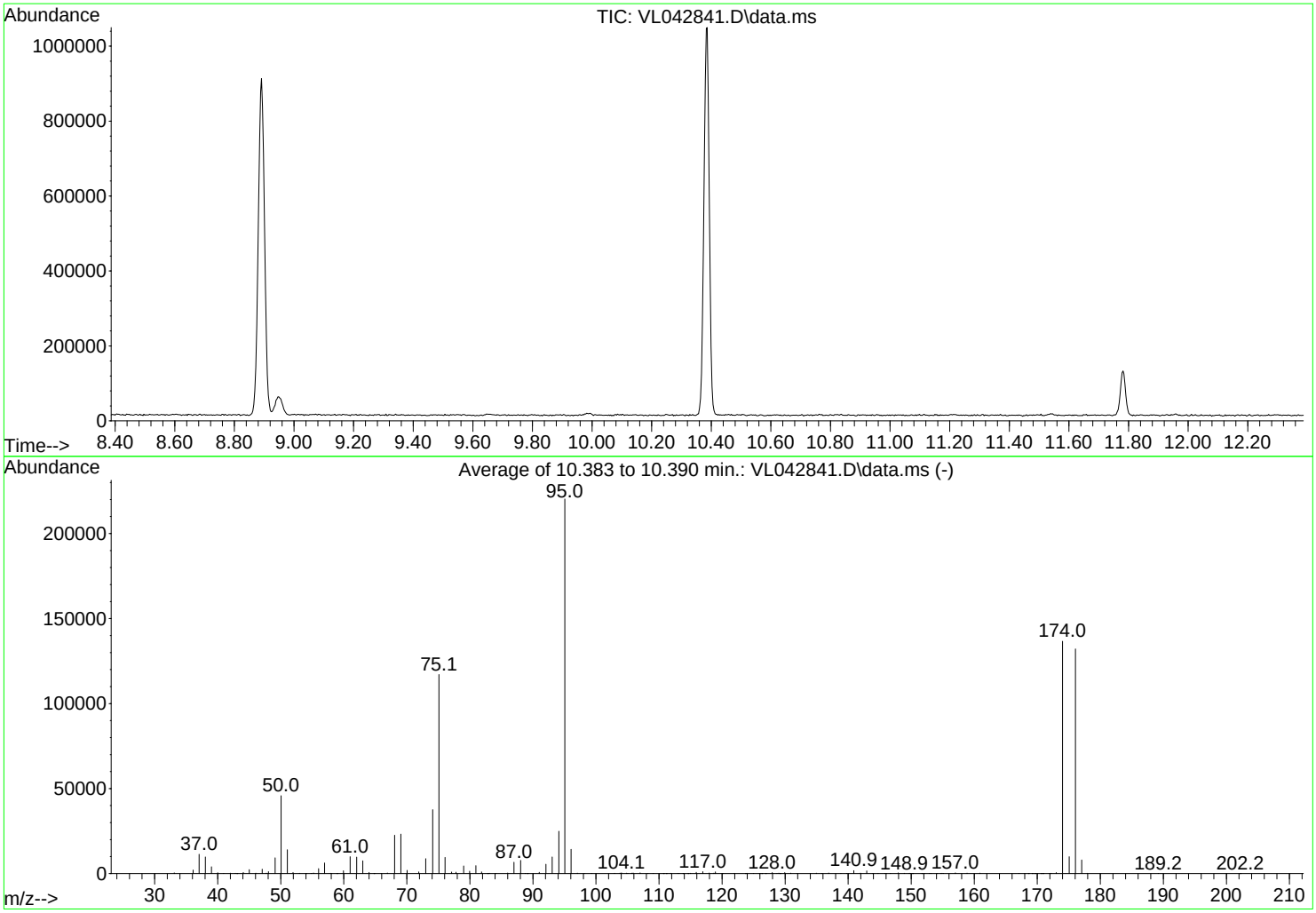
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042841.D
Acq On : 13 Aug 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Aug 14 02:12:54 2025



AutoFind: Scans 3181, 3182, 3183; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	45819	PASS
75	95	30	66	53.1	117101	PASS
95	95	100	100	100.0	220336	PASS
96	95	5	9	6.5	14308	PASS
173	174	0.00	2	0.4	581	PASS
174	95	50	120	62.0	136669	PASS
175	174	4	9	7.3	9984	PASS
176	174	93	101	96.7	132147	PASS
177	176	5	9	6.1	8054	PASS

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042789.D	1		07/31/25 09:29	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.12	0.42	U	0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	0.12	0.48	U	0.48	1.98	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
593-60-2	Bromoethene	0.20	0.87	U	0.87	2.19	ug/m3
115-07-1	Propene	0.080	0.14	U	0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.23	0.57	U	0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	0.18	0.43	U	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	0.26	0.94	U	0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.080	0.26	U	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042789.D	1		07/31/25 09:29	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3
591-78-6	2-Hexanone	0.11	0.45	U	0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
1330-20-7	Total Xylenes	0.62	2.69	U	2.69	6.52	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	0.16	0.79	U	0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	0.090	0.47	U	0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042789.D	1		07/31/25 09:29	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	140000			2.793		
540-36-3	1,4-Difluorobenzene	390000			3.965		
3114-55-4	Chlorobenzene-d5	341000			8.891		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042789.D
Acq On : 31 Jul 2025 09:29
Operator : SY/MD
Sample : VL0731ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABL01

Quant Time: Aug 01 01:12:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

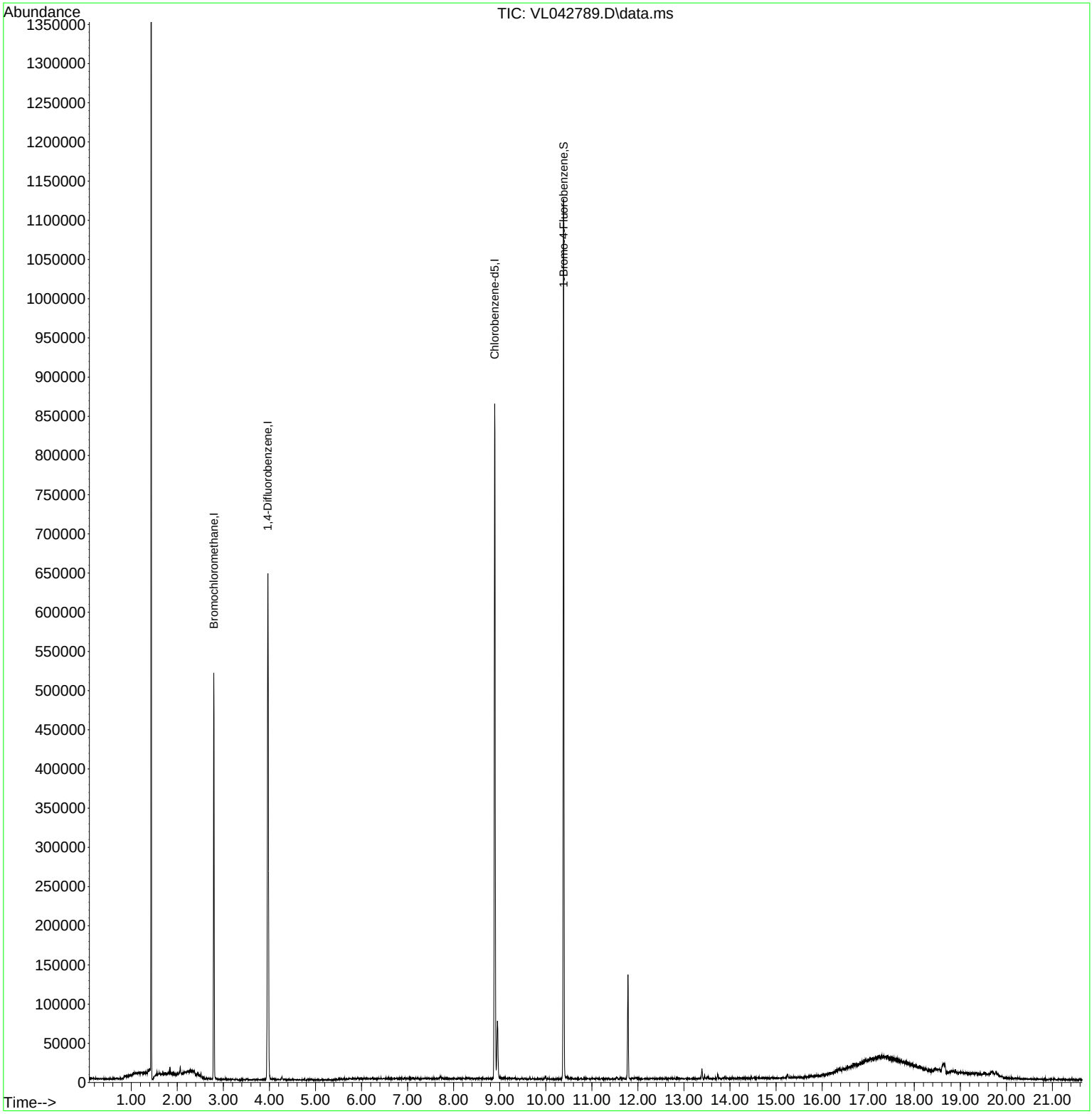
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	139538	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	390208	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	340795	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	265127	9.824	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%			
Target Compounds						Qvalue

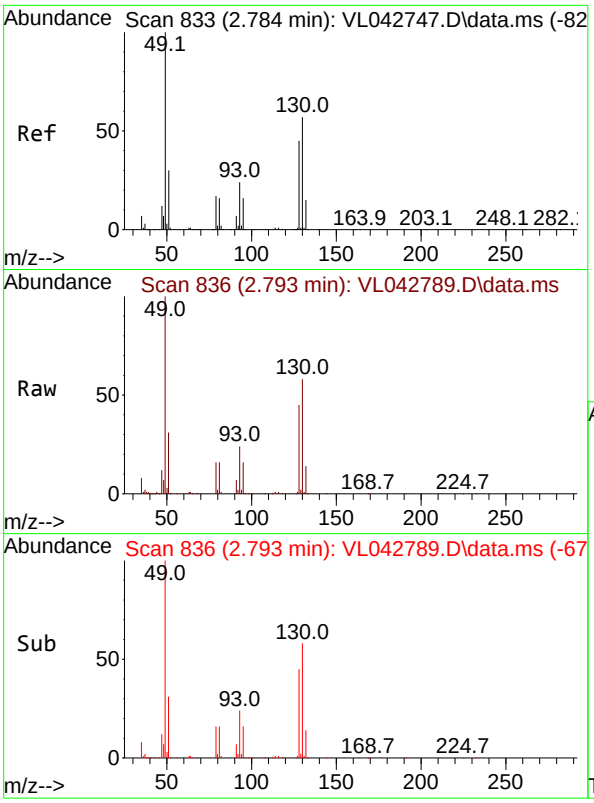
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042789.D
Acq On : 31 Jul 2025 09:29
Operator : SY/MD
Sample : VL0731ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABL01

Quant Time: Aug 01 01:12:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



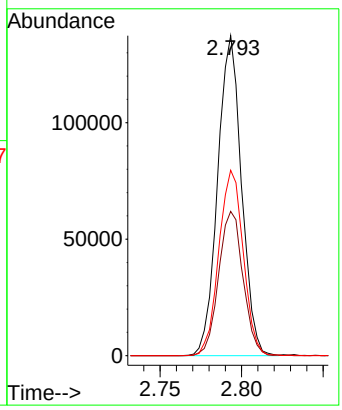


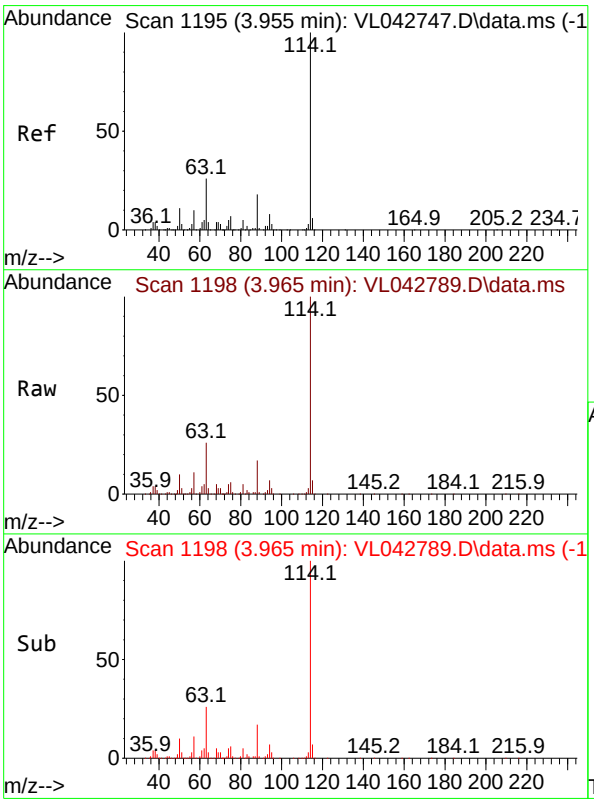
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.009 min
Lab File: VL042789.D
Acq: 31 Jul 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABL01

Tgt Ion: 49 Resp: 139538

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	59.4	30.3	90.8

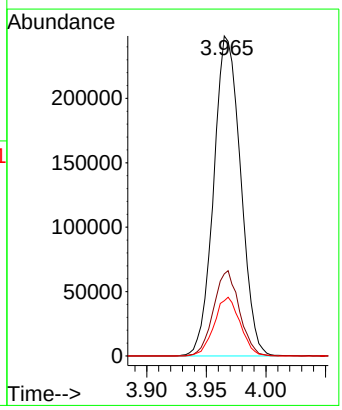


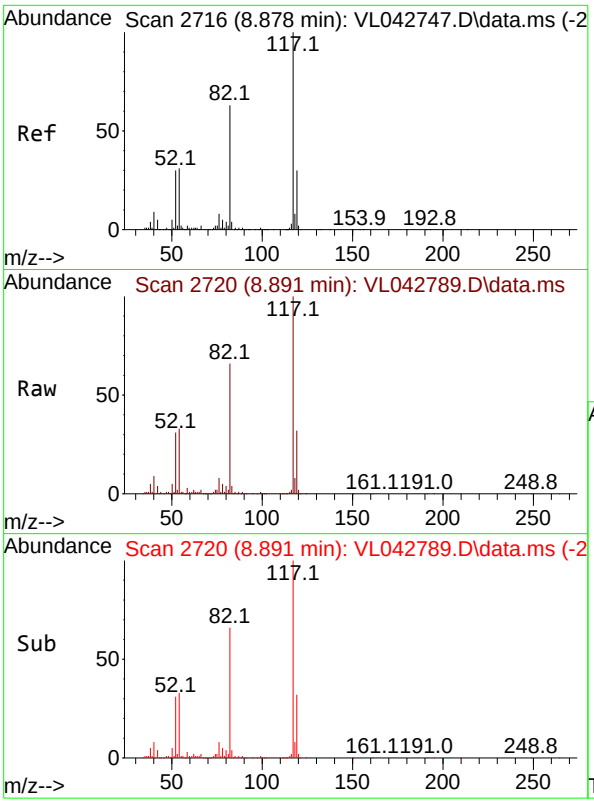


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042789.D
Acq: 31 Jul 2025 09:29

Tgt Ion:114 Resp: 390208

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.7	14.0	21.0



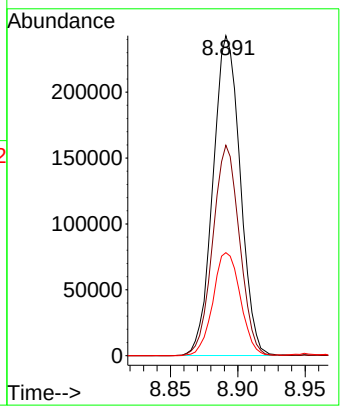


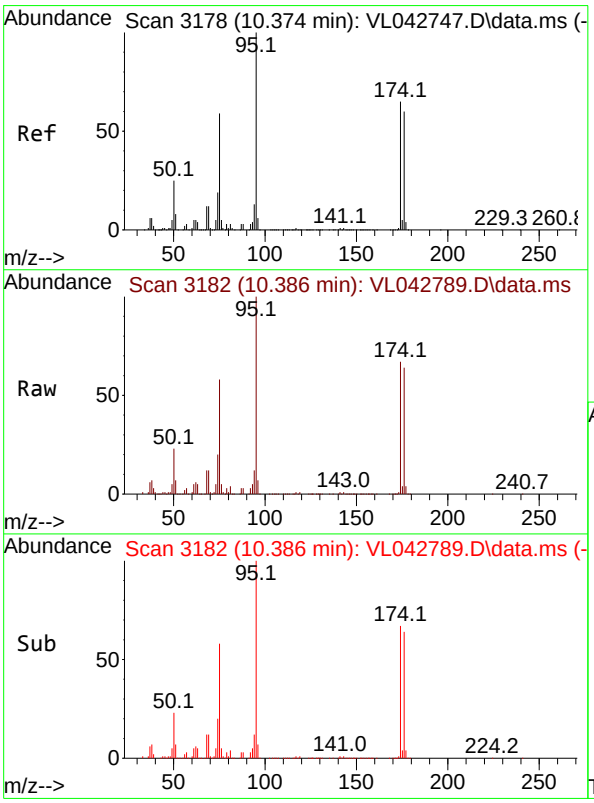
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042789.D
Acq: 31 Jul 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABL01

Tgt Ion:117 Resp: 340795

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.3	79.9
119	32.6	25.8	38.6

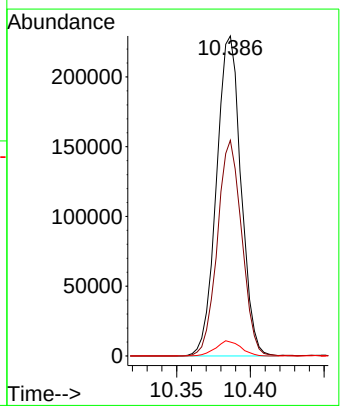




#68
1-Bromo-4-Fluorobenzene
Concen: 9.824 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL042789.D
Acq: 31 Jul 2025 09:29

Tgt Ion: 95 Resp: 265127

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.8	80.6
175	4.9	4.0	6.0



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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042850.D	1		08/13/25 13:46	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.12	0.42	U	0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	0.12	0.48	U	0.48	1.98	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
593-60-2	Bromoethene	0.20	0.87	U	0.87	2.19	ug/m3
115-07-1	Propene	0.080	0.14	U	0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.23	0.57	U	0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	0.18	0.43	U	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	0.26	0.94	U	0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.080	0.26	U	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042850.D	1		08/13/25 13:46	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3
591-78-6	2-Hexanone	0.11	0.45	U	0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
1330-20-7	Total Xylenes	0.62	2.69	U	2.69	6.52	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	0.16	0.79	U	0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	0.090	0.47	U	0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABL01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042850.D	1		08/13/25 13:46	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	120000			2.793		
540-36-3	1,4-Difluorobenzene	373000			3.968		
3114-55-4	Chlorobenzene-d5	325000			8.891		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042850.D
Acq On : 13 Aug 2025 13:46
Operator : SY/MD
Sample : VL0813ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Quant Time: Aug 14 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

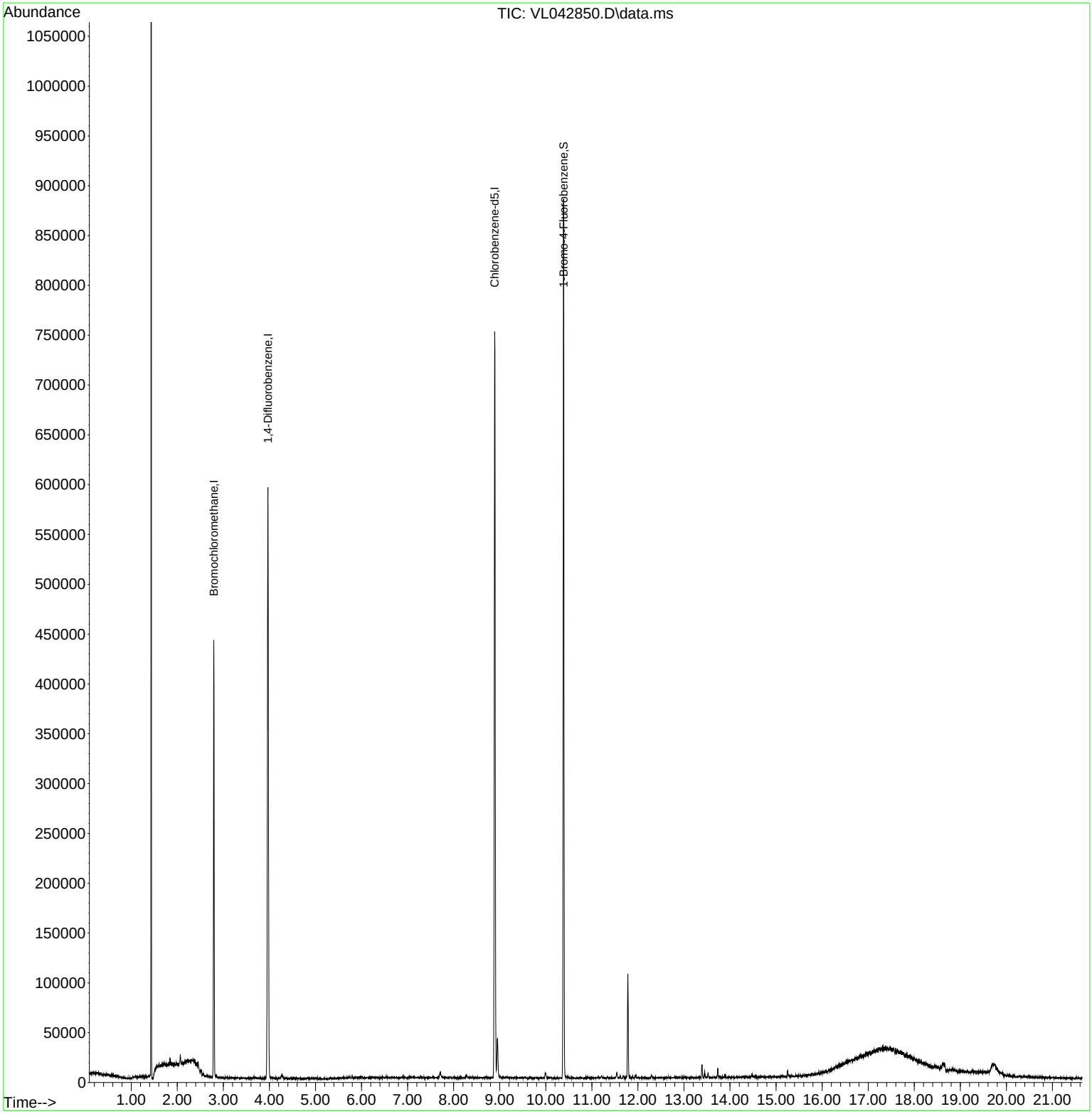
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	119946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	373094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	324853	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	243776	10.006	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%			
Target Compounds						Qvalue

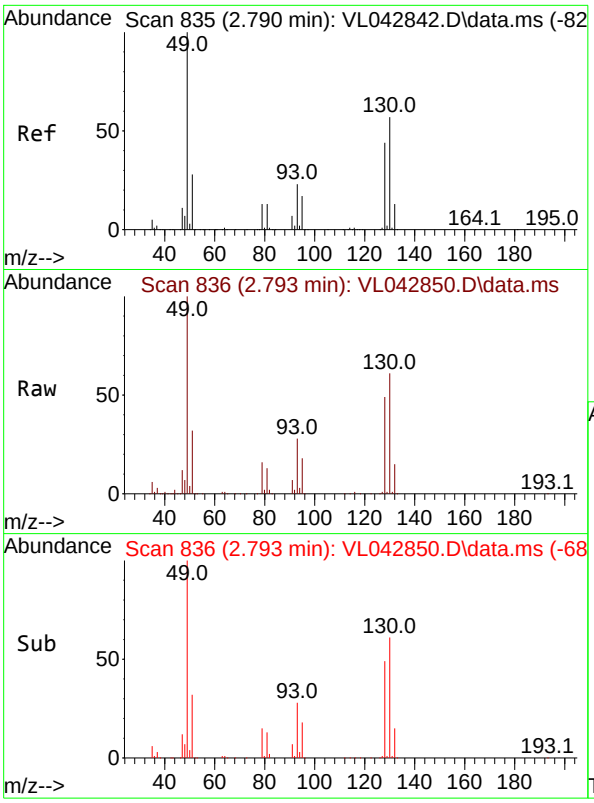
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042850.D
Acq On : 13 Aug 2025 13:46
Operator : SY/MD
Sample : VL0813ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Quant Time: Aug 14 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



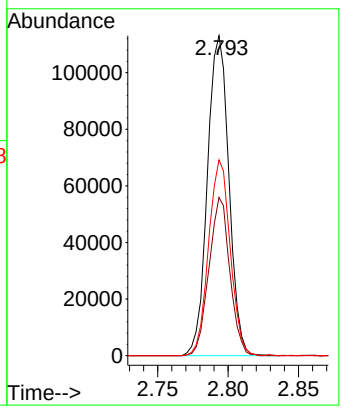


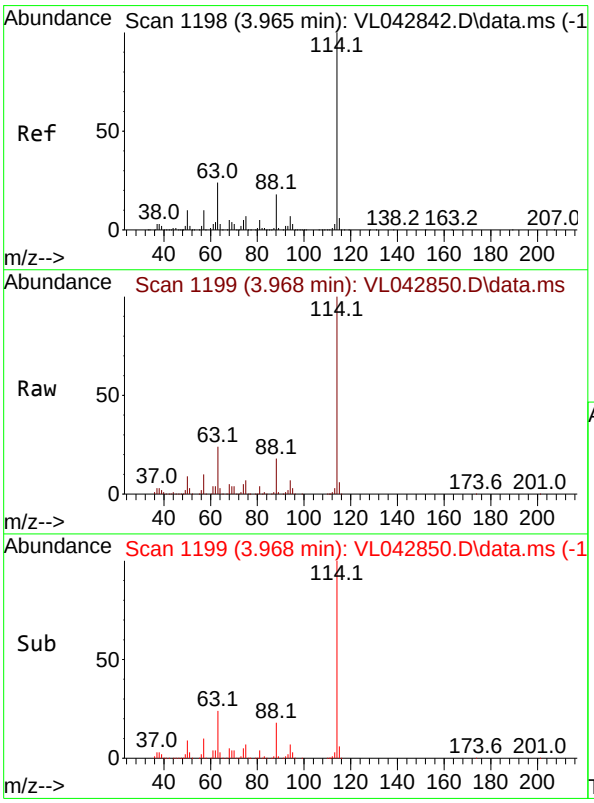
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Tgt Ion: 49 Resp: 119946

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.7	71.1
130	61.5	30.6	91.6

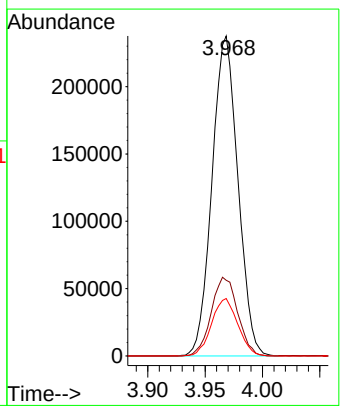


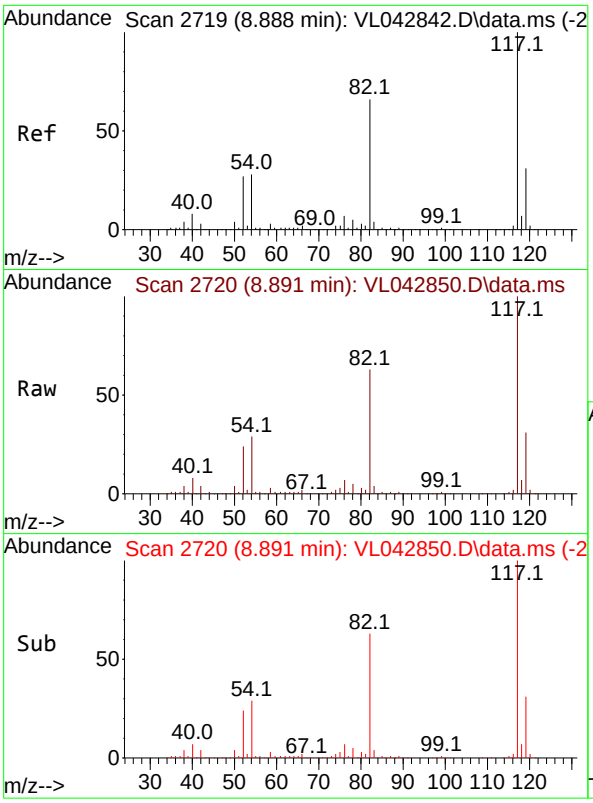


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion:114 Resp: 373094

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.7	29.5
88	18.2	14.4	21.6



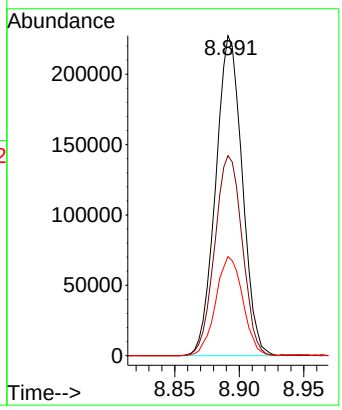


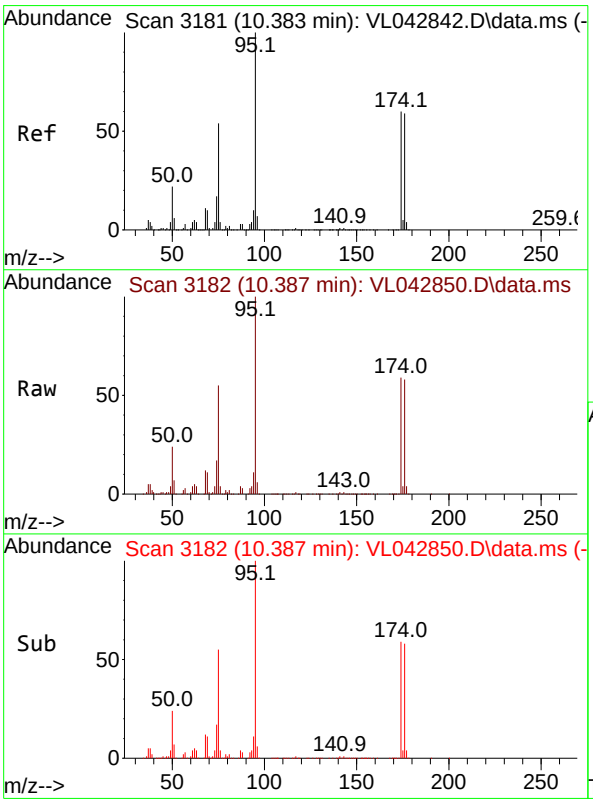
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Tgt Ion:117 Resp: 324853

Ion	Ratio	Lower	Upper
117	100		
82	64.9	54.6	81.8
119	31.9	25.9	38.9

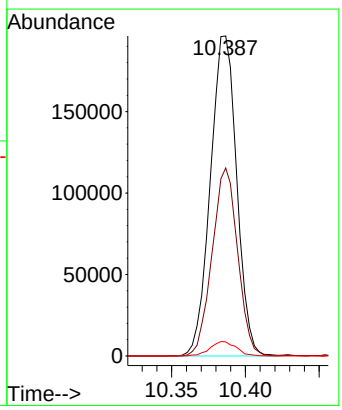




#68
1-Bromo-4-Fluorobenzene
Concen: 10.006 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion: 95 Resp: 243776

Ion	Ratio	Lower	Upper
95	100		
174	57.2	48.4	72.6
175	4.5	3.8	5.8



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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042790.D	1		07/31/25 10:15	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	10.0	35.4		0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	9.60	47.5		0.54	2.47	ug/m3
64-17-5	Ethanol	8.70	16.4		0.60	0.94	ug/m3
74-87-3	Chloromethane	9.80	20.2		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.50	21.7		0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	10.5	41.7		0.48	1.98	ug/m3
74-83-9	Bromomethane	9.00	35.0		0.31	1.94	ug/m3
75-00-3	Chloroethane	8.80	23.2		0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	11.4	33.6		0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.30	52.3		0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	72.0		1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.40	65.7		1.05	3.49	ug/m3
593-60-2	Bromoethene	9.50	41.5		0.87	2.19	ug/m3
115-07-1	Propene	9.90	17.0		0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	9.00	27.3		0.49	1.52	ug/m3
142-82-5	Heptane	10.7	43.9		0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	8.80	21.6		0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	9.00	35.7		0.59	1.98	ug/m3
67-64-1	Acetone	7.60	18.1		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	10.2	31.8		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.70	35.0		0.83	1.80	ug/m3
75-09-2	Methylene Chloride	8.40	29.2		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.50	37.7		0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	11.5	41.4		0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	9.40	38.0		0.53	2.02	ug/m3
110-82-7	Cyclohexane	10.3	35.5		0.76	1.72	ug/m3
78-93-3	2-Butanone	10.8	31.9		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.7	67.3		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.0	39.6		0.40	1.98	ug/m3
67-66-3	Chloroform	10.3	50.3		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.60	52.4		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	11.1	51.9		0.65	2.34	ug/m3
71-43-2	Benzene	10.5	33.5		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.6	42.9		0.36	2.02	ug/m3
79-01-6	Trichloroethene	9.80	52.7		0.11	0.16	ug/m3

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042790.D	1		07/31/25 10:15	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	10.5	48.5		0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	11.1	74.4		0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	11.3	46.3		0.41	2.05	ug/m3
108-88-3	Toluene	11.0	41.5		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	11.2	50.9		0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.1	50.4		0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.6	57.8		0.44	2.73	ug/m3
591-78-6	2-Hexanone	11.9	48.7		0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	11.3	96.3		0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.9	83.8		0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	9.50	64.4		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.4	47.9		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	11.1	48.2		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	22.8	99.0		1.78	4.34	ug/m3
1330-20-7	Total Xylenes	34.0	148		2.69	6.52	ug/m3
95-47-6	o-Xylene	11.2	48.6		0.91	2.17	ug/m3
100-42-5	Styrene	11.4	48.5		0.68	2.13	ug/m3
75-25-2	Bromoform	11.4	118		0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	11.0	54.1		0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.2	70.0		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	11.2	58.0		0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.9	58.5		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	12.1	59.5		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	10.9	65.5		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.3	67.9		0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.8	64.9		0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.6	78.7		1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.50	101		1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	9.00	19.9		0.11	1.11	ug/m3
91-20-3	Naphthalene	10.5	55.0		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	11.7	57.5		1.03	2.46	ug/m3
110-54-3	Hexane	10.3	36.3		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	9.80	30.7		0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	8.60	31.0		0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	13.4	69.4		0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	11.5	47.1		0.57	2.05	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042790.D	1		07/31/25 10:15	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135	103%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	141000			2.794		
540-36-3	1,4-Difluorobenzene	391000			3.965		
3114-55-4	Chlorobenzene-d5	350000			8.892		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	140975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	391458	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	349880	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	284130	10.254	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	179092	9.608	ppbv	98
3) Chlorodifluoromethane	1.476	51	243995	10.049	ppbv	99
4) Chloromethane	1.535	50	73605	9.761	ppbv	95
5) Vinyl Chloride	1.583	62	63029	8.460	ppbv	92
6) Bromomethane	1.671	94	25942	9.007	ppbv	99
7) Chloroethane	1.706	64	25445	8.839	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	144815	9.447	ppbv	98
9) Propene	1.486	41	87288	9.891	ppbv	100
10) Heptane	4.991	43	255178	10.724	ppbv	98
11) Trichlorofluoromethane	1.881	101	178945	9.314	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	137912	9.446	ppbv	99
13) Ethanol	1.722	45	6331	8.701	ppbv	97
14) Bromoethene	1.784	108	49330	9.543	ppbv	99
15) Acetone	1.839	43	147760	7.590	ppbv	99
16) 1,3-Butadiene	1.612	39	74826	9.012	ppbv	98
17) tert-Butyl alcohol	2.043	59	157784	8.987	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59478	9.016	ppbv	96
19) Isopropyl Alcohol	1.887	45	91274	8.823	ppbv	94
20) Methylene Chloride	2.065	84	51356	8.372	ppbv	94
21) Allyl Chloride	2.098	41	117287	9.776	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	67541	9.517	ppbv	98
23) Vinyl Acetate	2.467	43	270452	11.460	ppbv	98
24) 1,1-Dichloroethane	2.412	63	137263	9.423	ppbv	98
25) Ethyl Acetate	2.839	43	453552	10.526	ppbv	99
26) Hexane	2.829	57	195021	10.318	ppbv	98
27) Carbon Disulfide	2.153	76	165318	10.216	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	86612	9.699	ppbv	97
29) Chloroform	2.852	83	300921	10.303	ppbv	97
30) Cyclohexane	3.865	84	165101	10.299	ppbv	97
31) cis-1,2-Dichloroethene	2.726	61	194661	10.022	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	293497	9.647	ppbv	98
34) 2-Butanone	2.561	43	298296	10.758	ppbv	100
35) Carbon Tetrachloride	3.771	117	312530	10.748	ppbv	99
36) Benzene	3.664	78	390877	10.536	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236656	10.589	ppbv	99
38) Trichloroethene	4.558	130	174246	9.776	ppbv	97
39) 1,2-Dichloropropane	4.321	63	144288	10.536	ppbv	98
40) 1,4-Dioxane	4.590	88	54856	8.594	ppbv #	89
41) Tetrahydrofuran	3.059	42	161537	11.448	ppbv	98
42) Bromodichloromethane	4.496	83	321891	11.059	ppbv #	99
43) Methyl Methacrylate	4.888	69	151803	11.512	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	672509	11.121	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	165606	11.199	ppbv	90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	208804	11.143	ppbv		97
47) 1,1,2-Trichloroethane	6.594	97	154552	10.587	ppbv		97
48) Dibromochloromethane	7.399	129	261380	11.278	ppbv		99
49) Bromoform	9.494	173	231022	11.433	ppbv		99
50) 4-Methyl-2-Pentanone	5.762	43	402543	11.270	ppbv		99
51) 2-Hexanone	7.445	43	321076	11.895	ppbv	#	99
52) Tetrachloroethene	8.238	164	145761	9.479	ppbv		96
53) Toluene	6.943	91	439867	11.041	ppbv		100
54) 1,2-Dibromoethane	7.665	107	225399	10.928	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.934	131	198394	10.906	ppbv		100
57) Chlorobenzene	8.930	112	351678	10.386	ppbv	#	96
58) Ethyl Benzene	9.364	91	614495	11.121	ppbv		99
59) m/p-Xylene	9.562	91	1004952m	22.758	ppbv		
60) o-Xylene	9.976	91	493686	11.188	ppbv		99
61) Styrene	9.879	104	211712	11.406	ppbv		99
62) Isopropylbenzene	10.549	105	716413	11.007	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.969	83	288264	10.176	ppbv		98
64) n-propylbenzene	10.995	120	190663	11.237	ppbv		100
65) tert-Butylbenzene	11.539	119	654563	11.322	ppbv		99
66) Benzyl Chloride	11.623	91	63429	13.365	ppbv		98
67) sec-Butylbenzene	11.775	105	909814	11.065	ppbv		99
69) p-Isopropyltoluene	11.931	119	774561	11.553	ppbv		100
70) n-Butylbenzene	12.287	91	785569	12.130	ppbv		99
71) 2-Chlorotoluene	10.908	91	556610	11.153	ppbv		99
72) 4-Ethyltoluene	11.131	105	618091	11.729	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	515043	11.871	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	570715	12.057	ppbv		93
75) 1,3-Dichlorobenzene	11.614	146	360095	10.852	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	366048	11.273	ppbv		98
77) 1,2-Dichlorobenzene	11.953	146	351242	10.770	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	281564	9.538	ppbv		99
79) Naphthalene	13.520	128	540121	10.494	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	221690	8.786	ppbv		100
81) 1,2,4-Trichlorobenzene	13.446	180	305698	10.565	ppbv		100

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

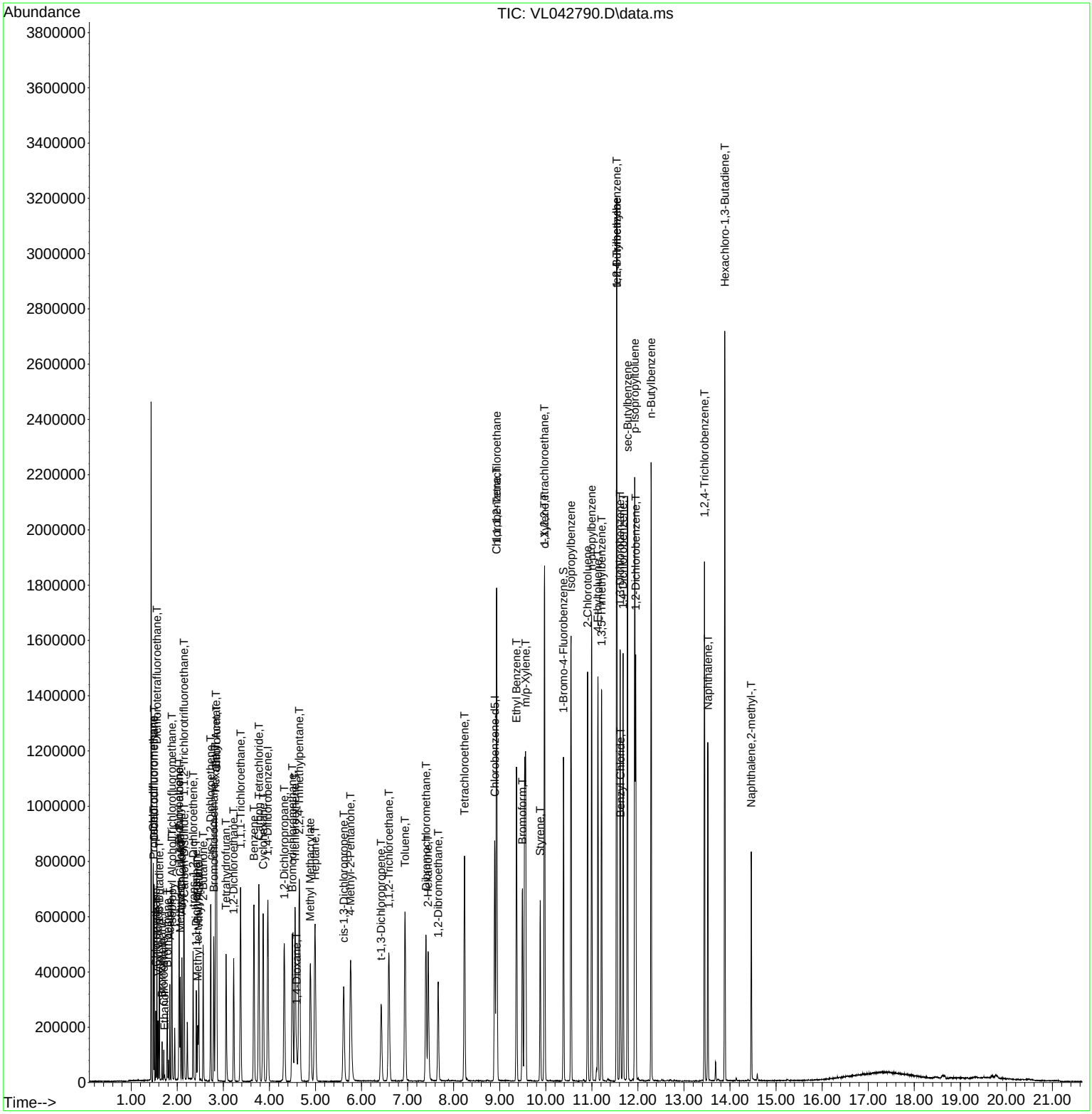
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0731ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

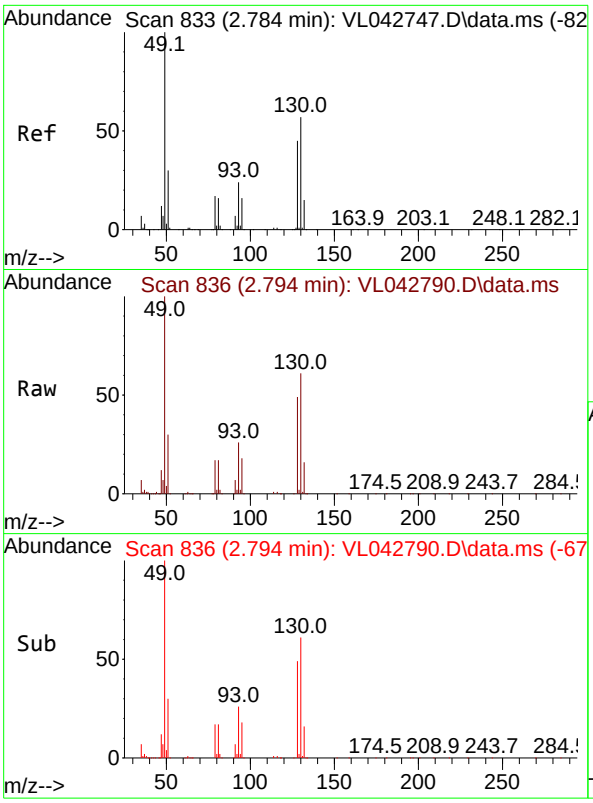
Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

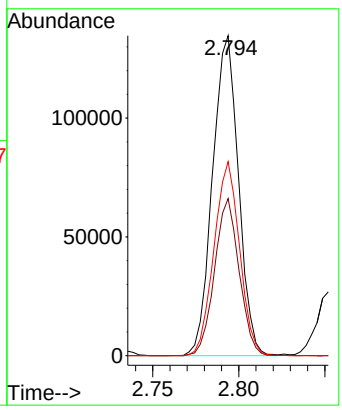




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 49 Resp: 14097

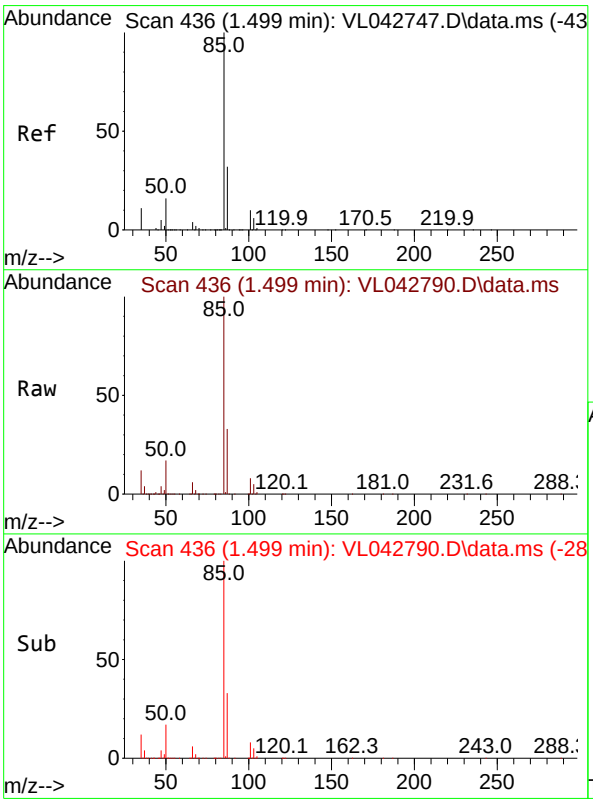
Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.6	71.0
130	59.8	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
APPROVED

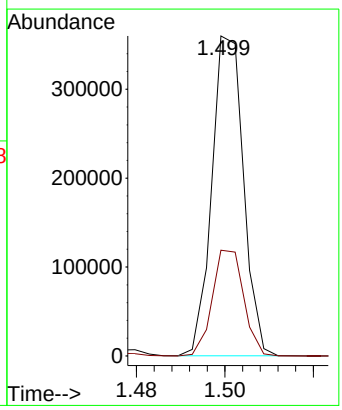
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

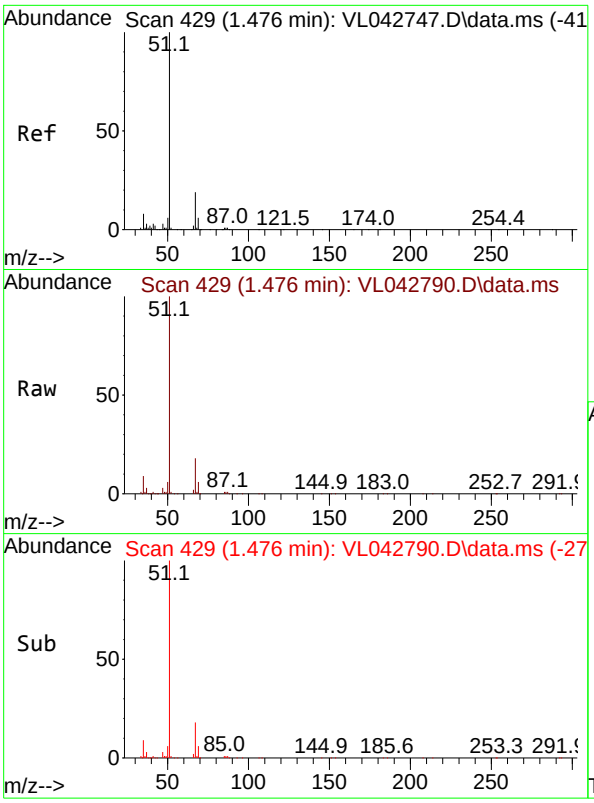


#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 179092

Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.4	38.2

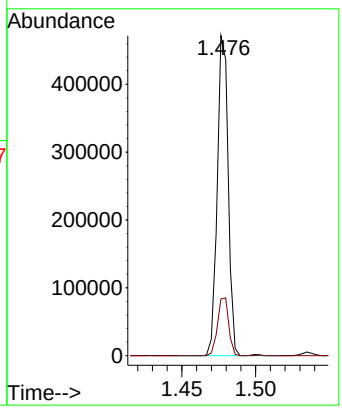




#3
Chlorodifluoromethane
Concen: 10.049 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 51 Resp: 24399

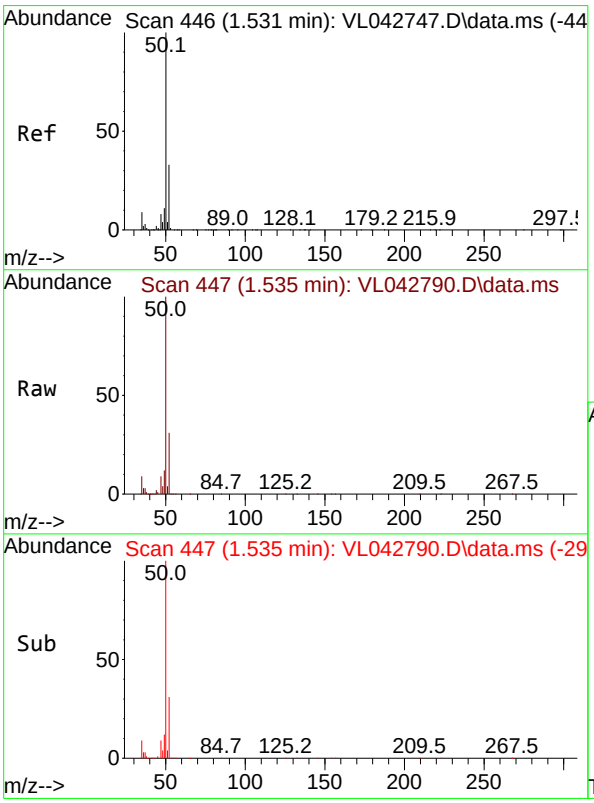
Ion	Ratio	Lower	Upper
51	100		
67	18.6	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
APPROVED

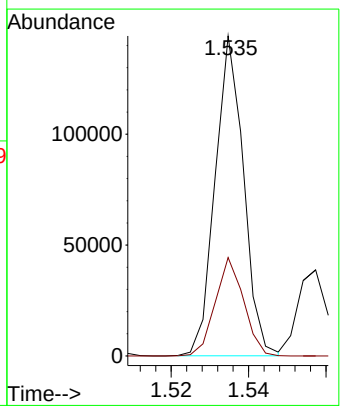
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

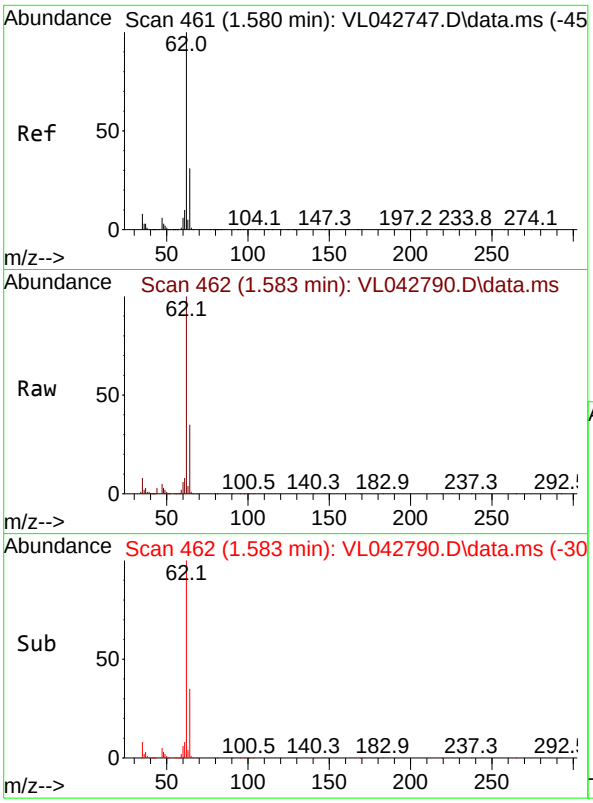


#4
Chloromethane
Concen: 9.761 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 50 Resp: 73605

Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.6	40.0

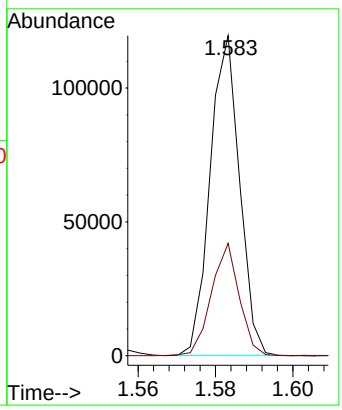




#5
Vinyl Chloride
Concen: 8.460 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 62 Resp: 6302

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
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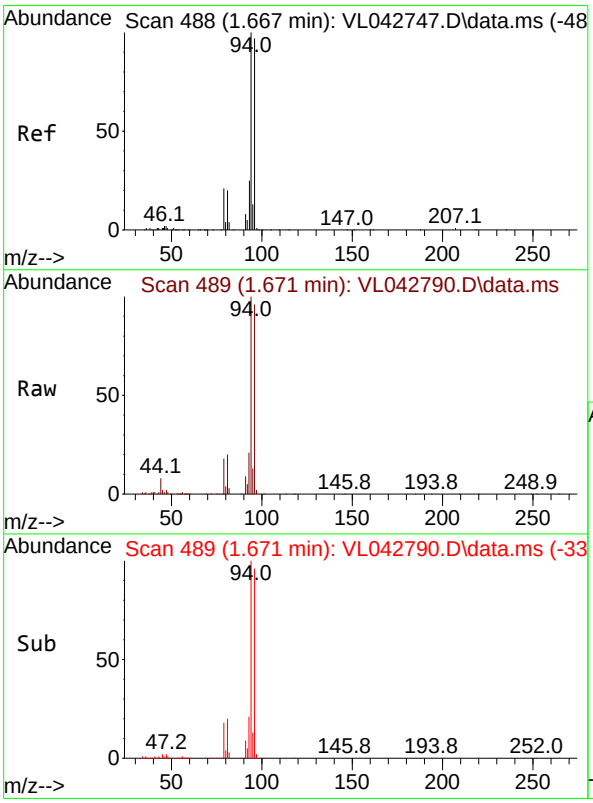
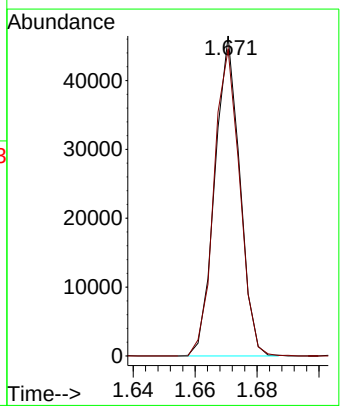
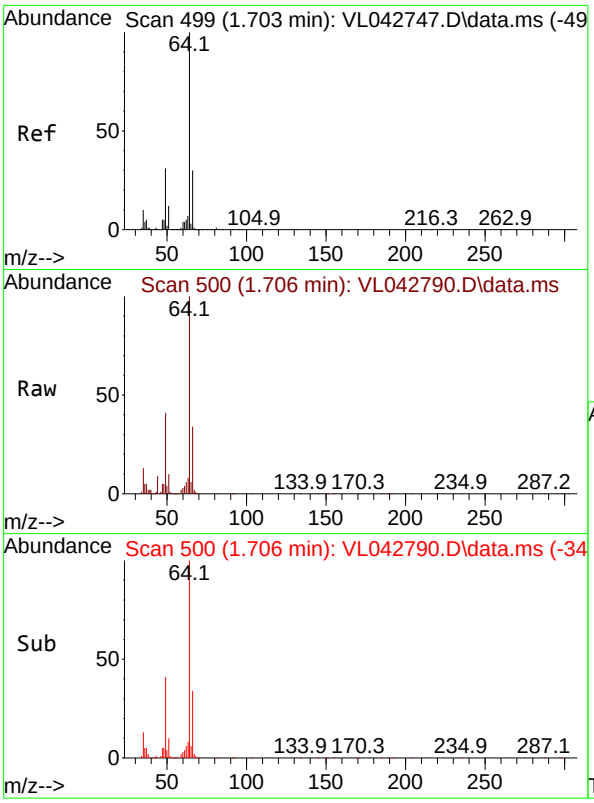


#6
Bromomethane
Concen: 9.007 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 94 Resp: 25942

Ion	Ratio	Lower	Upper
94	100		
96	95.9	77.6	116.4

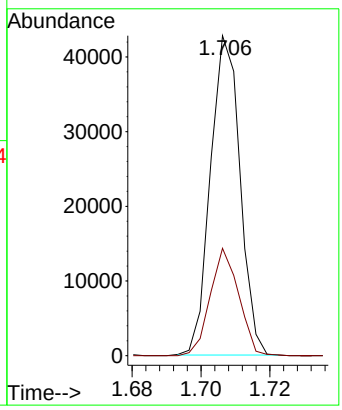




#7
Chloroethane
Concen: 8.839 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 64 Resp: 2544

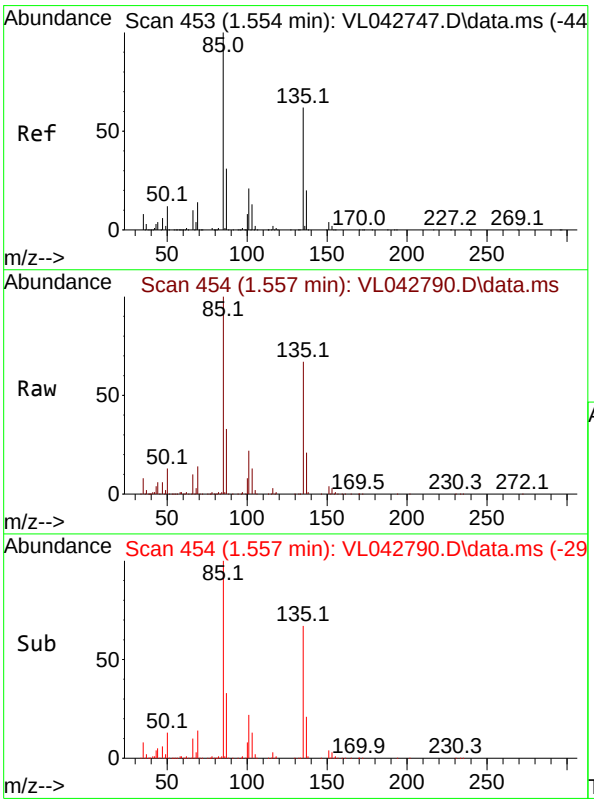
Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
APPROVED

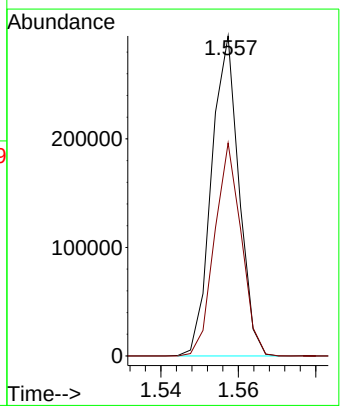
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

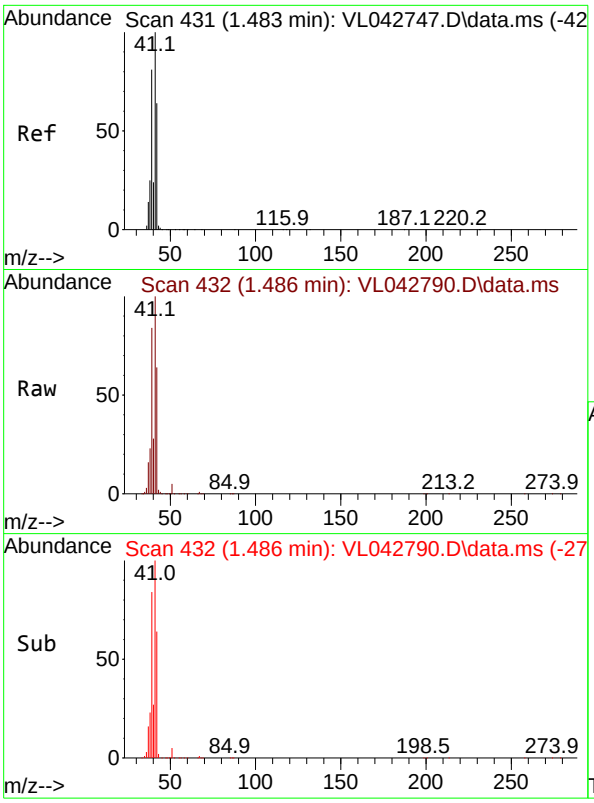


#8
Dichlorotetrafluoroethane
Concen: 9.447 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 144815

Ion	Ratio	Lower	Upper
85	100		
135	65.0	50.6	76.0

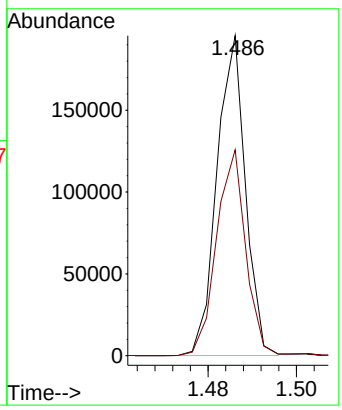




#9
Propene
Concen: 9.891 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 41 Resp: 8728

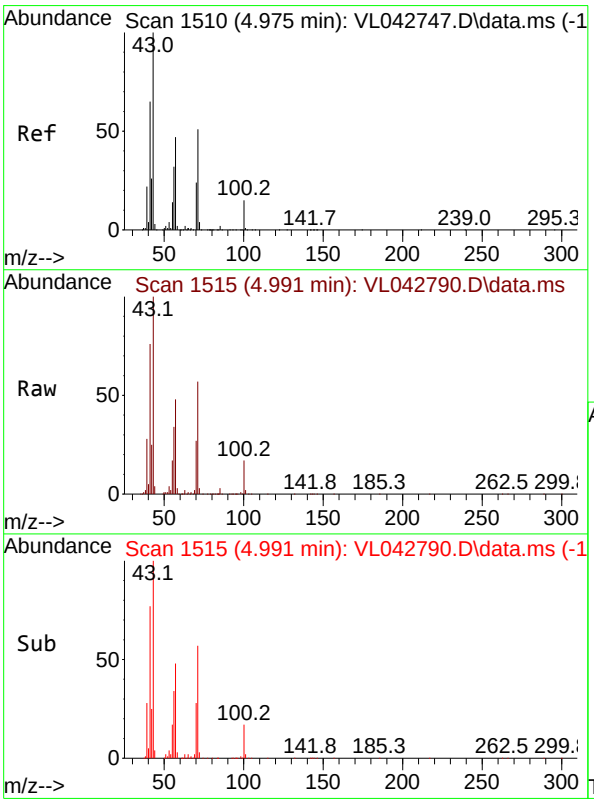
Ion	Ratio	Lower	Upper
41	100		
42	66.7	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
APPROVED

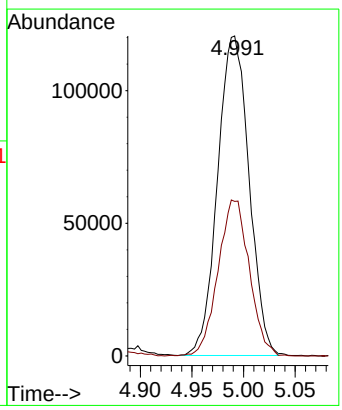
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

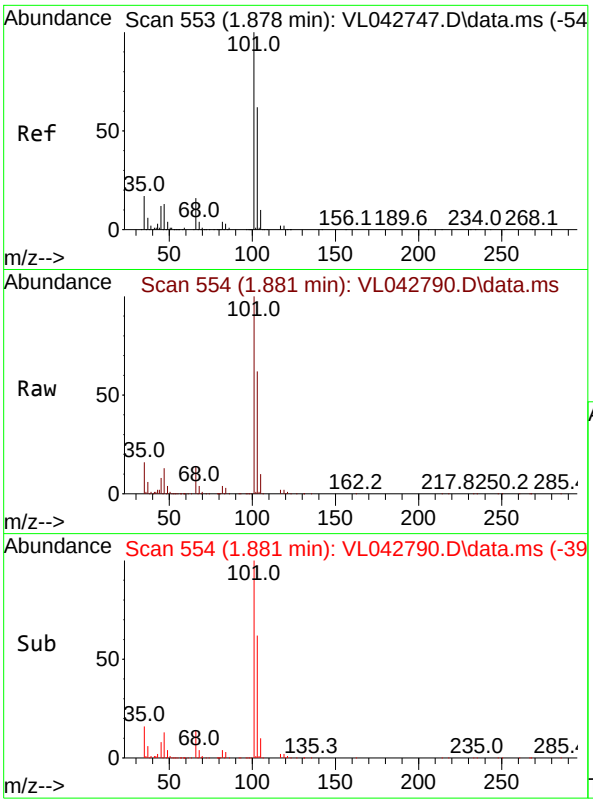


#10
Heptane
Concen: 10.724 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 255178

Ion	Ratio	Lower	Upper
43	100		
57	48.6	39.9	59.9

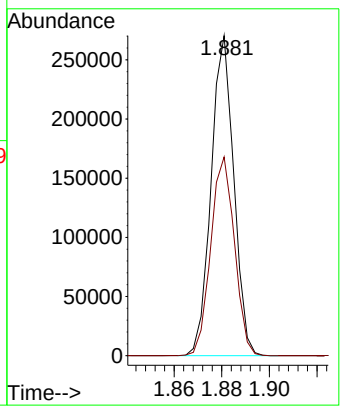




#11
Trichlorofluoromethane
Concen: 9.314 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:101 Resp: 17894

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
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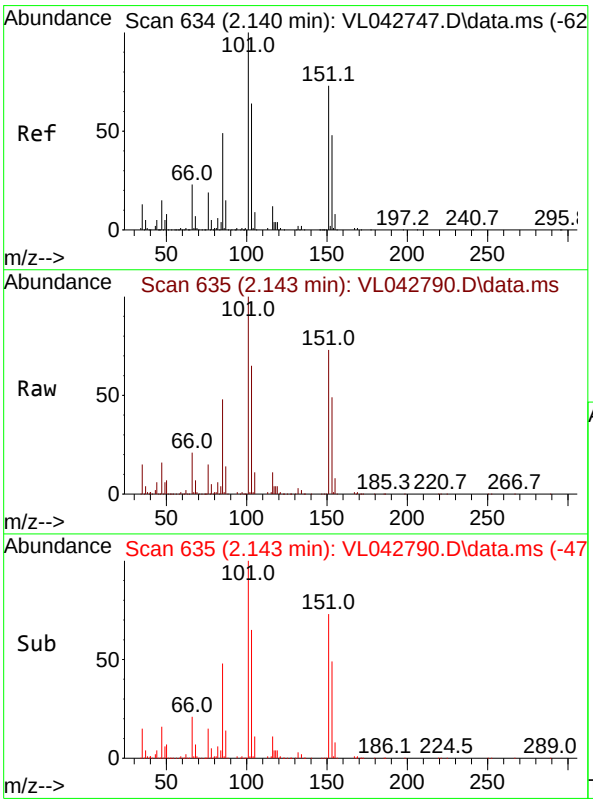
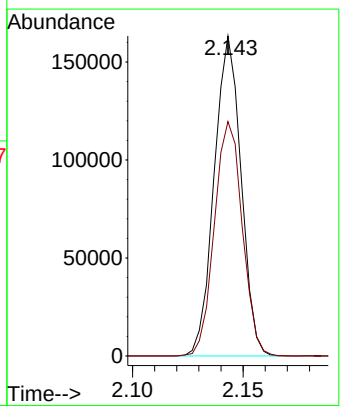
Supervised By :Mahesh Dadoda 08/01/2025

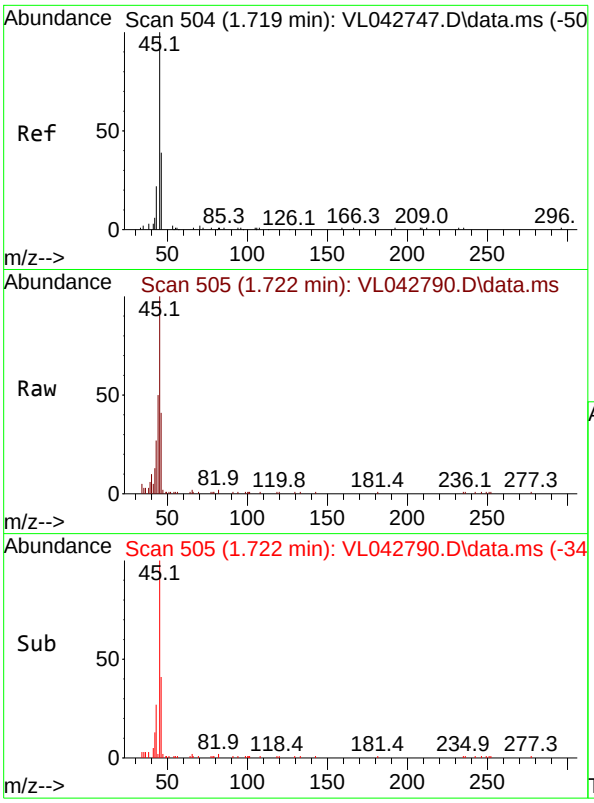


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.446 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:101 Resp: 137912

Ion	Ratio	Lower	Upper
101	100		
151	76.0	60.5	90.7

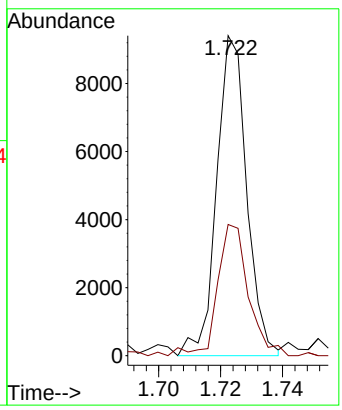




#13
Ethanol
Concen: 8.701 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 45 Resp: 633

Ion	Ratio	Lower	Upper
45	100		
46	42.3	17.8	71.4



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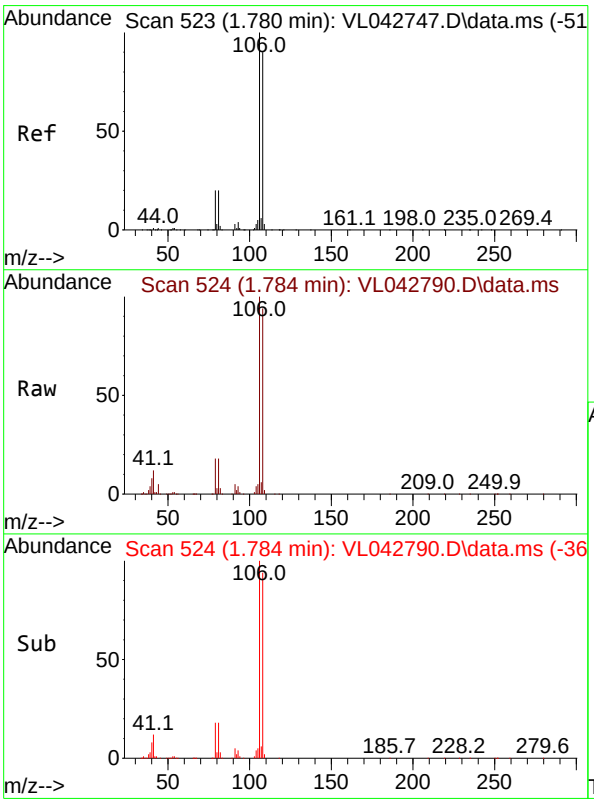
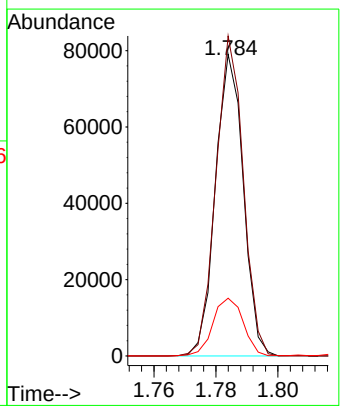
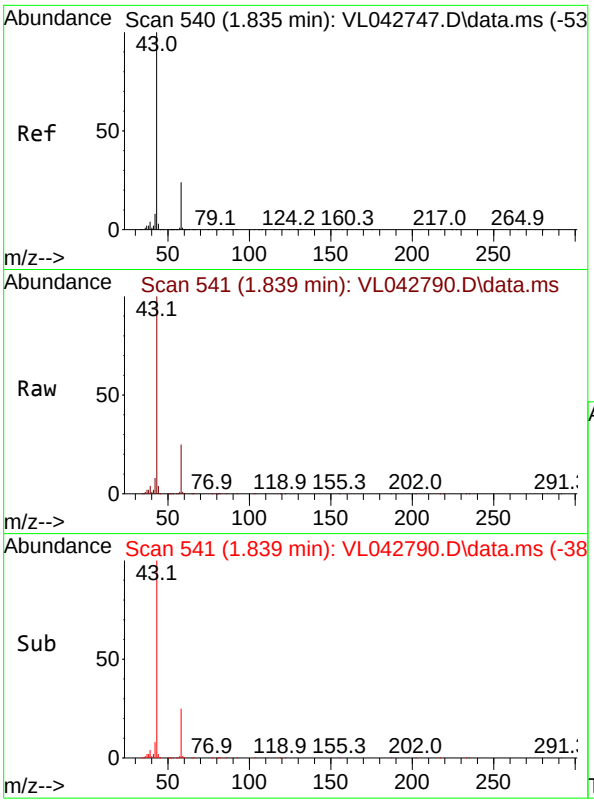


#14
Bromoethene
Concen: 9.543 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:108 Resp: 49330

Ion	Ratio	Lower	Upper
108	100		
106	104.2	84.7	127.1
79	21.5	17.4	26.2

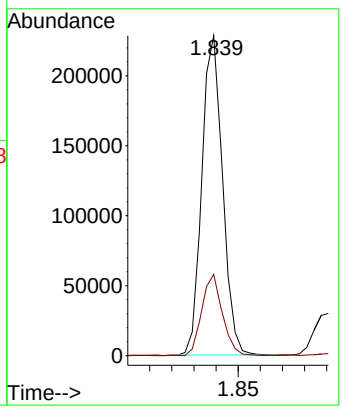




#15
Acetone
Concen: 7.590 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 14776

Ion	Ratio	Lower	Upper
43	100		
58	25.5	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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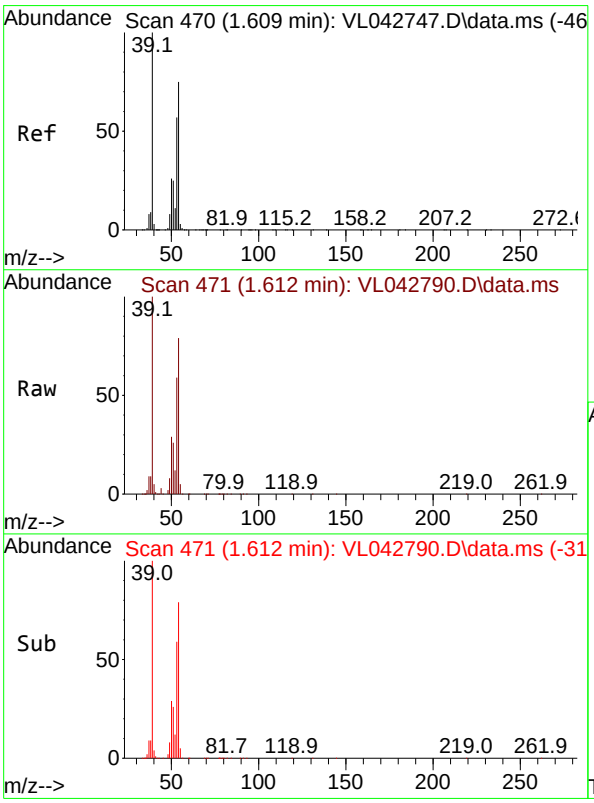
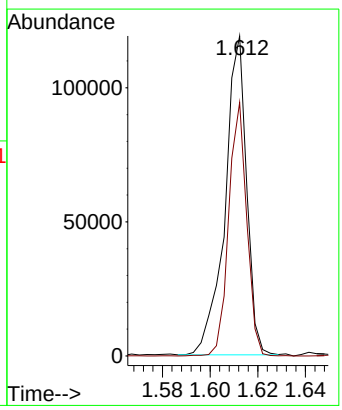
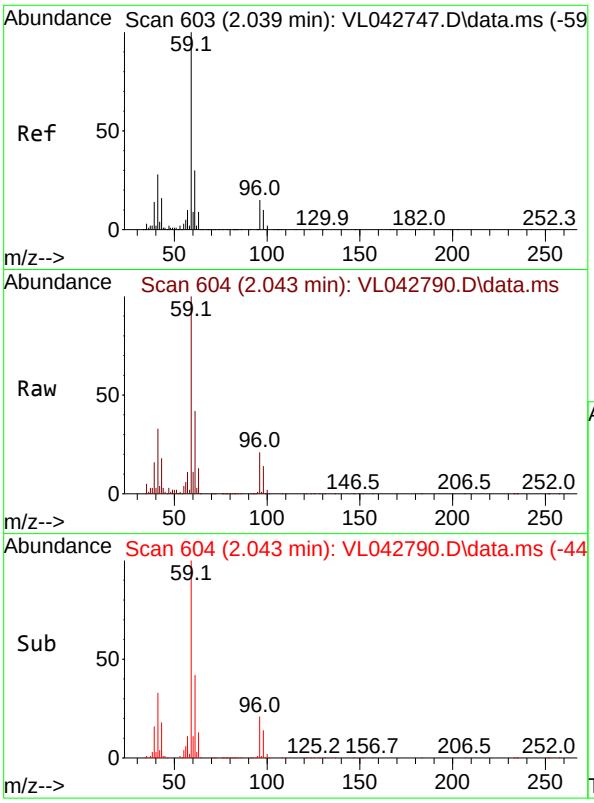


#16
1,3-Butadiene
Concen: 9.012 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 39 Resp: 74826

Ion	Ratio	Lower	Upper
39	100		
54	66.1	54.5	81.7

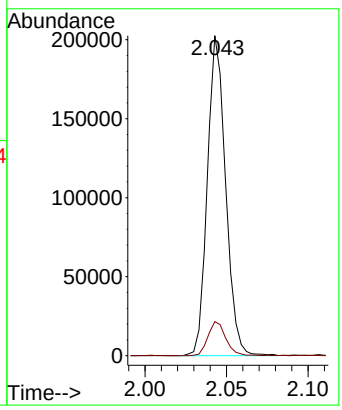




#17
tert-Butyl alcohol
Concen: 8.987 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 59 Resp: 15778

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
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ClientSampleId :
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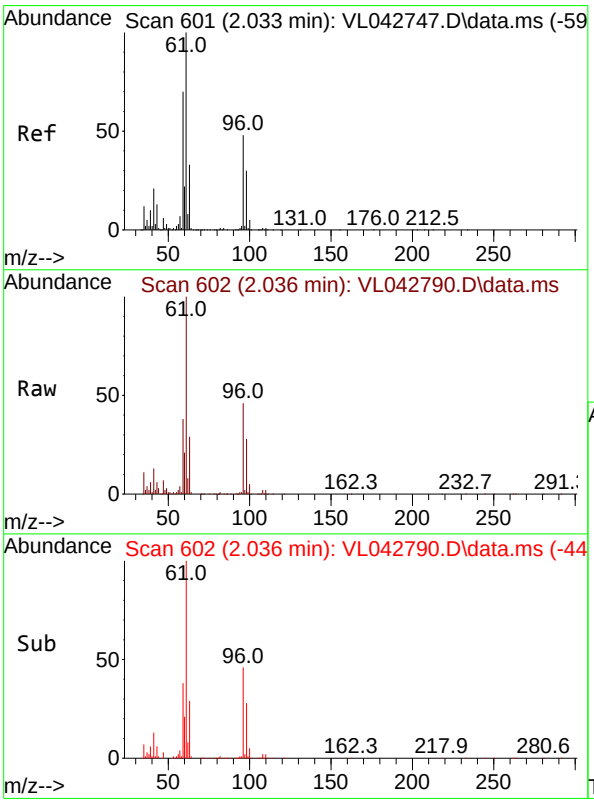
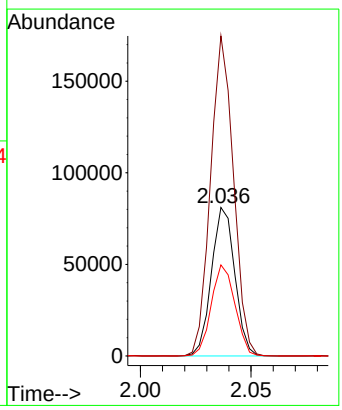
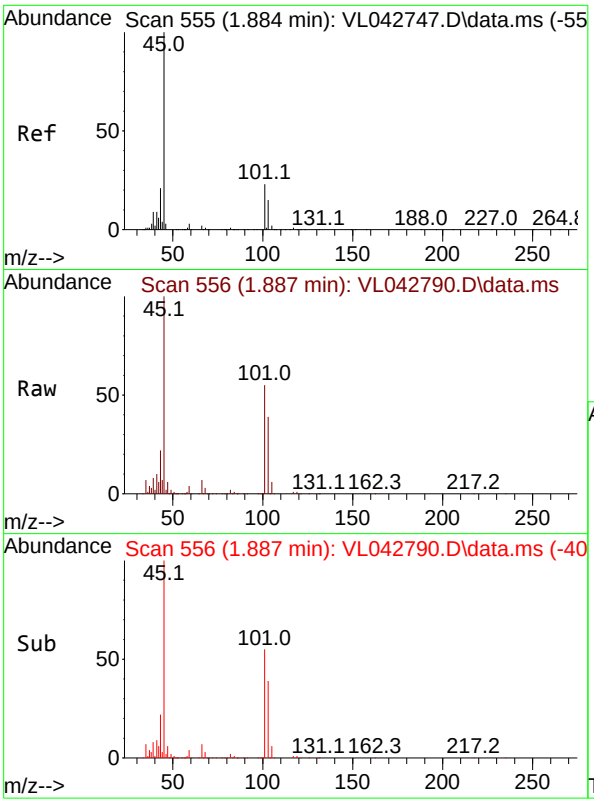


#18
1,1-Dichloroethene
Concen: 9.016 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 96 Resp: 59478

Ion	Ratio	Lower	Upper
96	100		
61	215.5	165.8	248.6
98	61.3	49.9	74.9

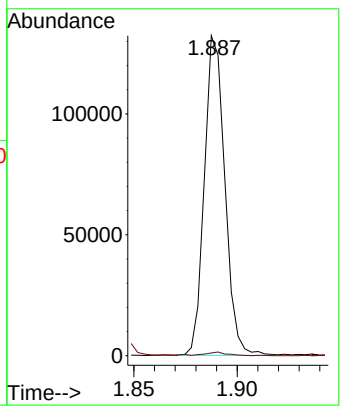




#19
Isopropyl Alcohol
Concen: 8.823 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 45 Resp: 9127

Ion	Ratio	Lower	Upper
45	100		
58	41.3	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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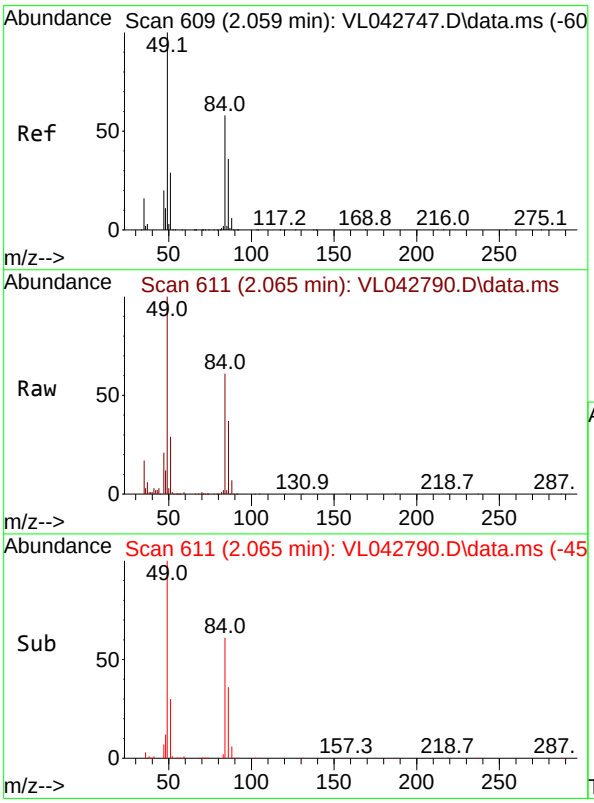
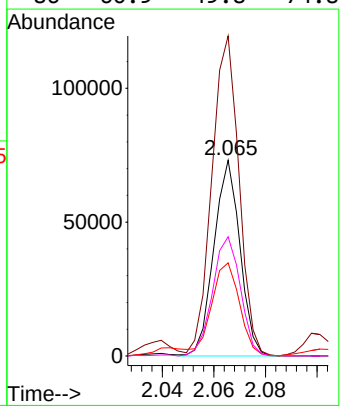
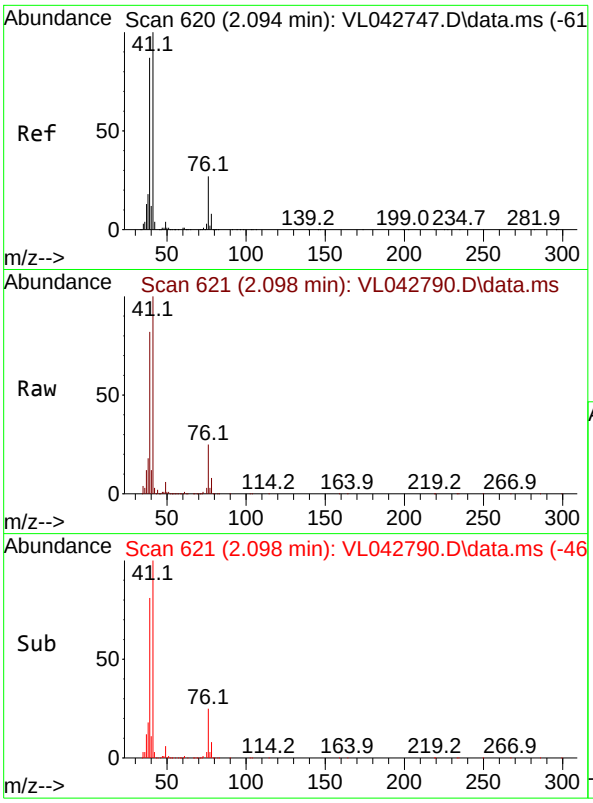


#20
Methylene Chloride
Concen: 8.372 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 51356

Ion	Ratio	Lower	Upper
84	100		
49	163.1	138.6	208.0
51	47.5	40.6	61.0
86	60.9	49.8	74.8

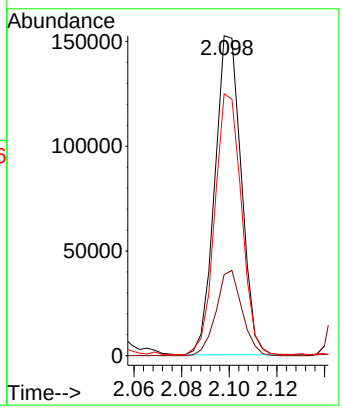




#21
Allyl Chloride
Concen: 9.776 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 41 Resp: 11728

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	82.6	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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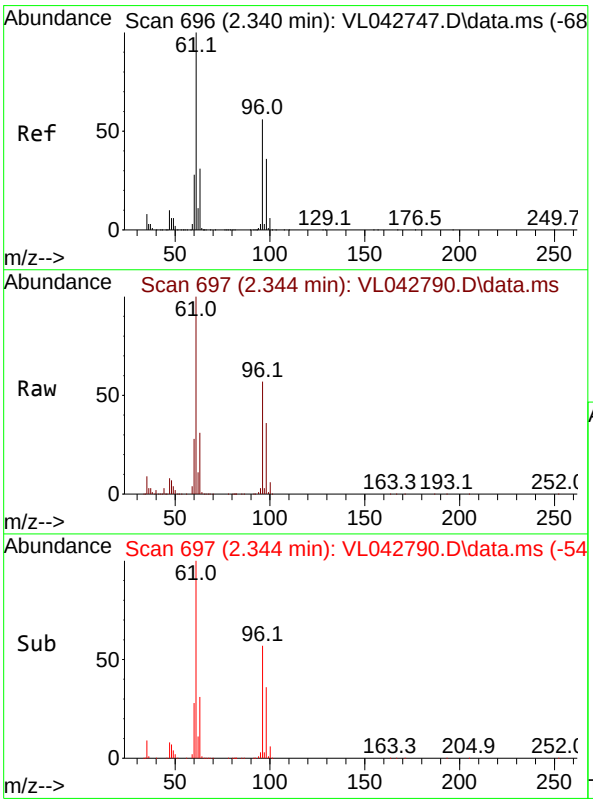
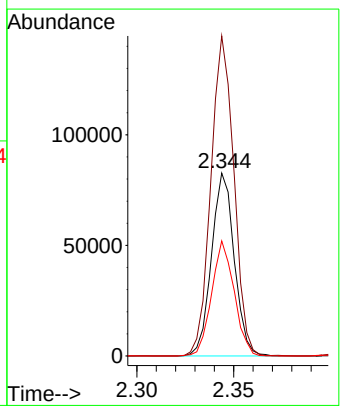
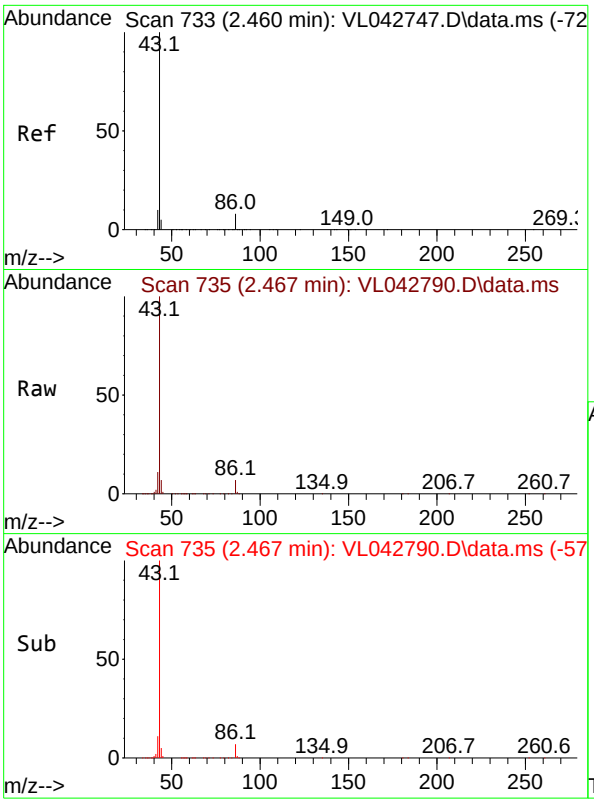


#22
trans-1,2-Dichloroethene
Concen: 9.517 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 96 Resp: 67541

Ion	Ratio	Lower	Upper
96	100		
61	175.0	142.3	213.5
98	62.9	50.6	76.0

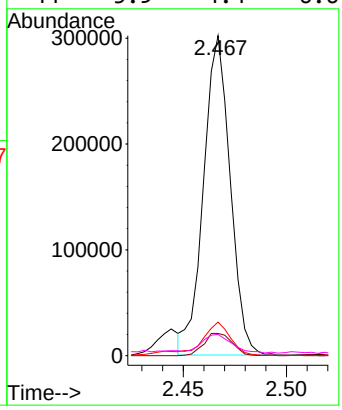




#23
Vinyl Acetate
Concen: 11.460 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 27045

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.1	9.1
42	10.4	7.8	11.8
44	5.9	4.4	6.6



Instrument :
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ClientSampleId :
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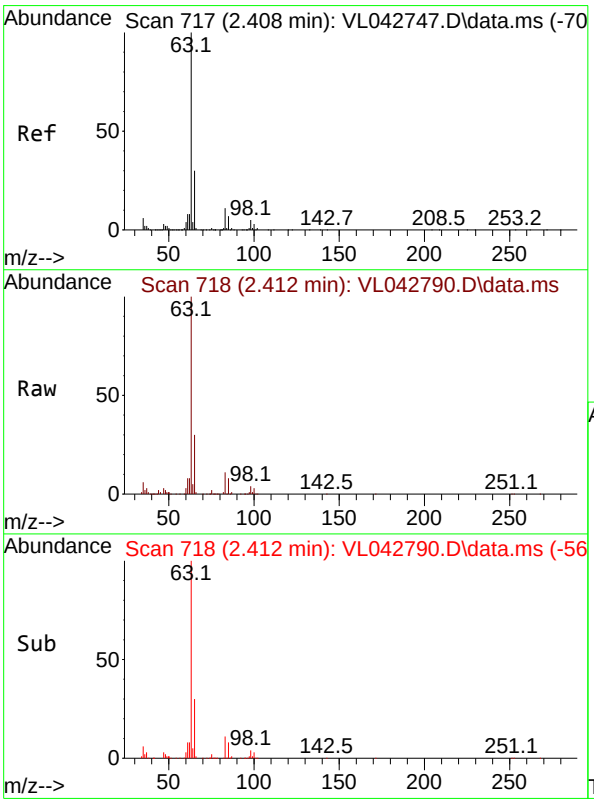
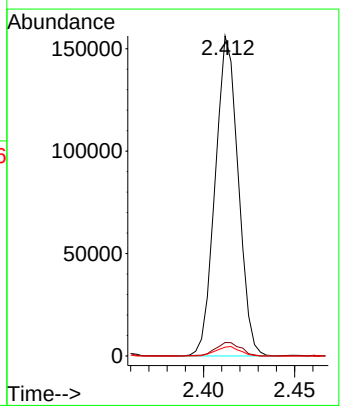
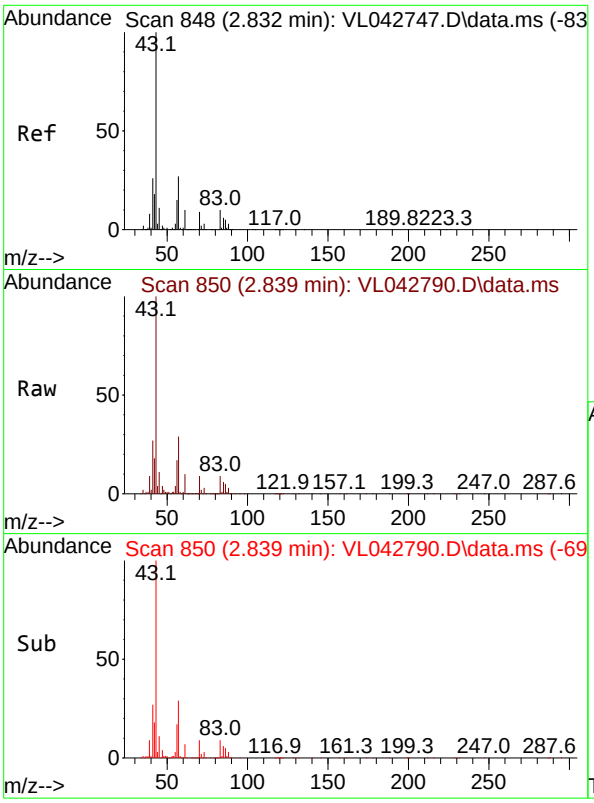


#24
1,1-Dichloroethane
Concen: 9.423 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 63 Resp: 137263

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	2.8	1.6	4.8

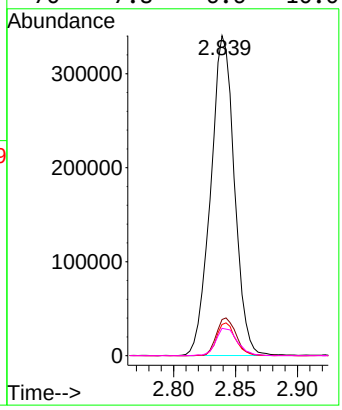




#25
Ethyl Acetate
Concen: 10.526 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 45355

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.3	6.7	10.1
70	7.8	6.6	10.0



Instrument :
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ClientSampleId :
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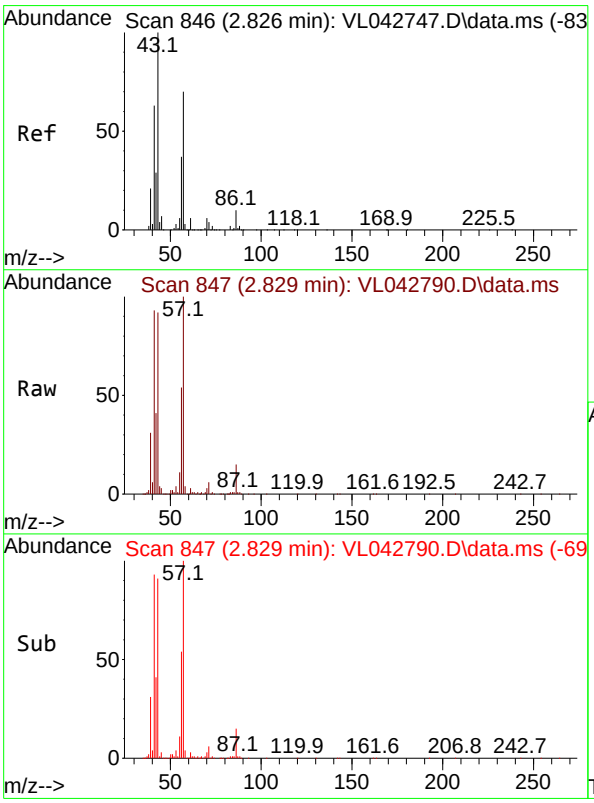
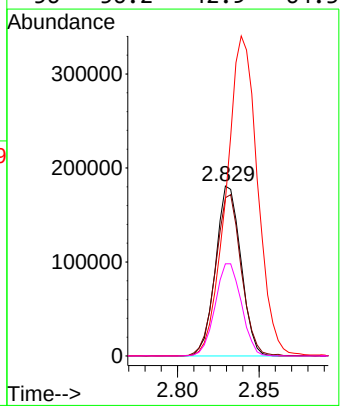
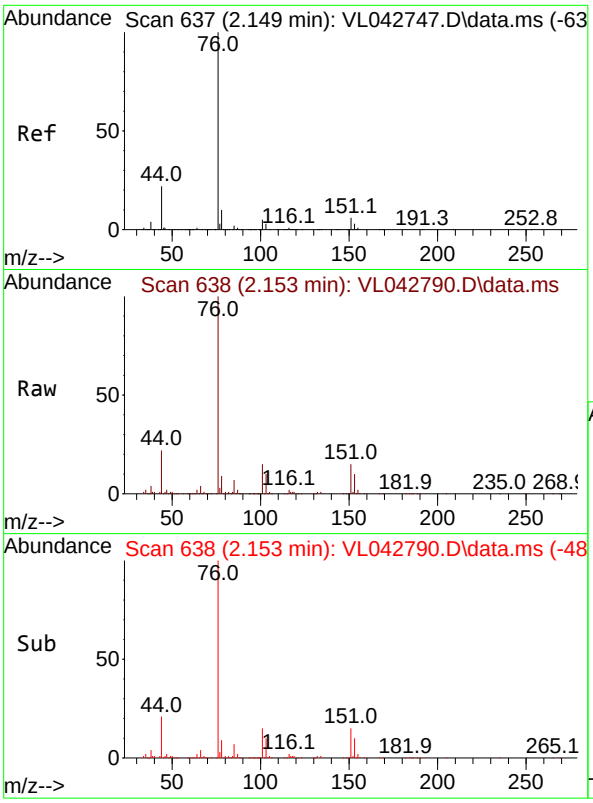


#26
Hexane
Concen: 10.318 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 57 Resp: 195021

Ion	Ratio	Lower	Upper
57	100		
41	97.6	75.4	113.2
43	233.9	185.0	277.6
56	56.2	42.9	64.3

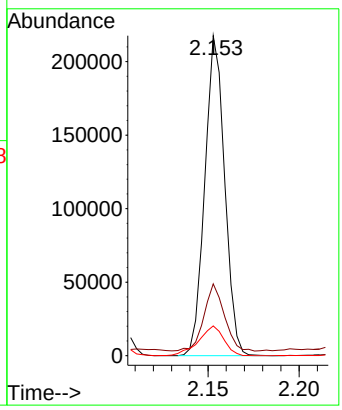




#27
Carbon Disulfide
Concen: 10.216 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 76 Resp: 16531

Ion	Ratio	Lower	Upper
76	100		
44	21.3	19.3	28.9
78	11.8	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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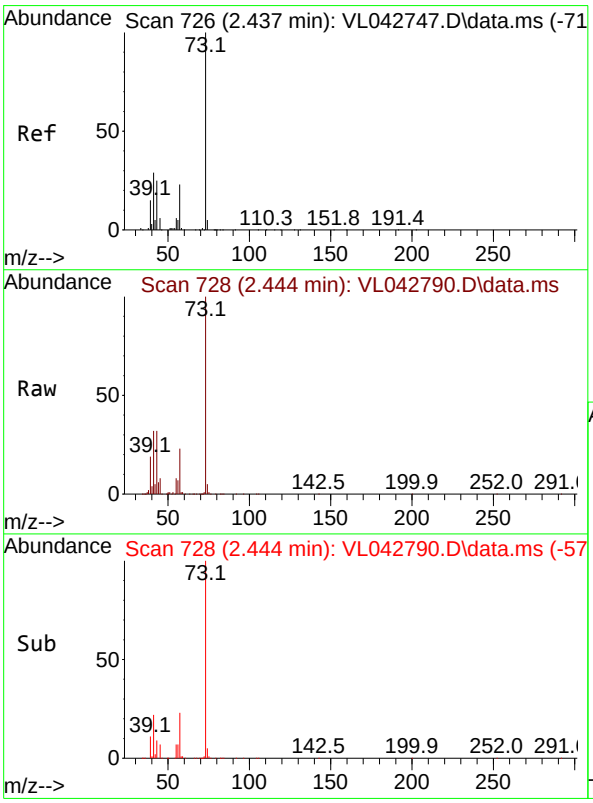
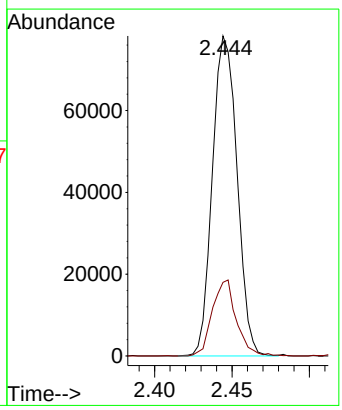
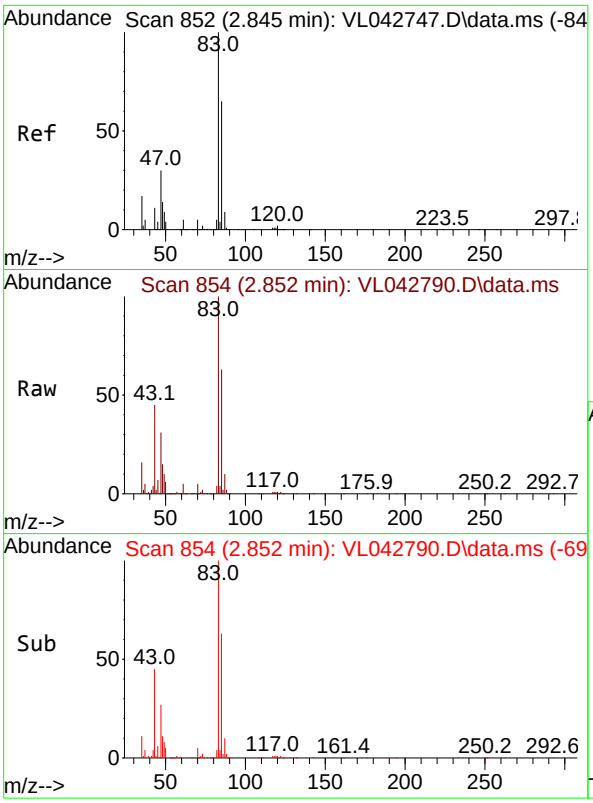


#28
Methyl tert-Butyl Ether
Concen: 9.699 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 73 Resp: 86612

Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.8	29.8

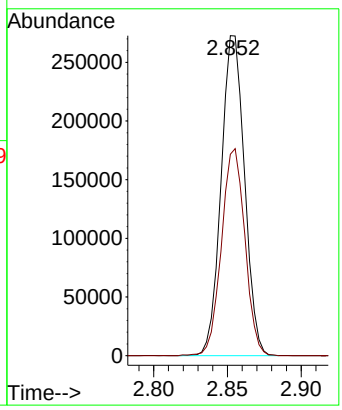




#29
Chloroform
Concen: 10.303 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 83 Resp: 30092

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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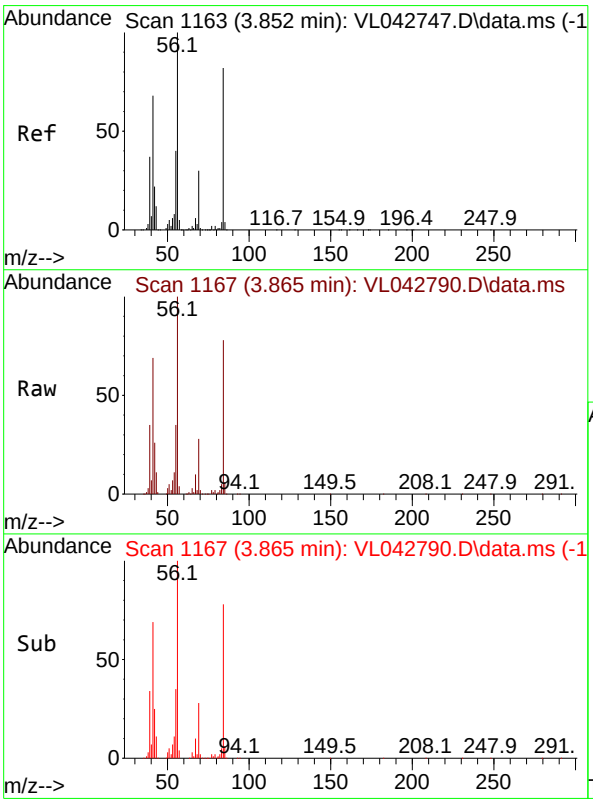
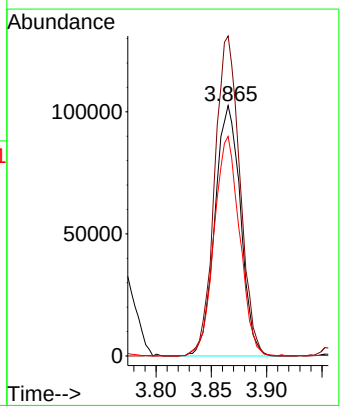
Supervised By :Mahesh Dadoda 08/01/2025

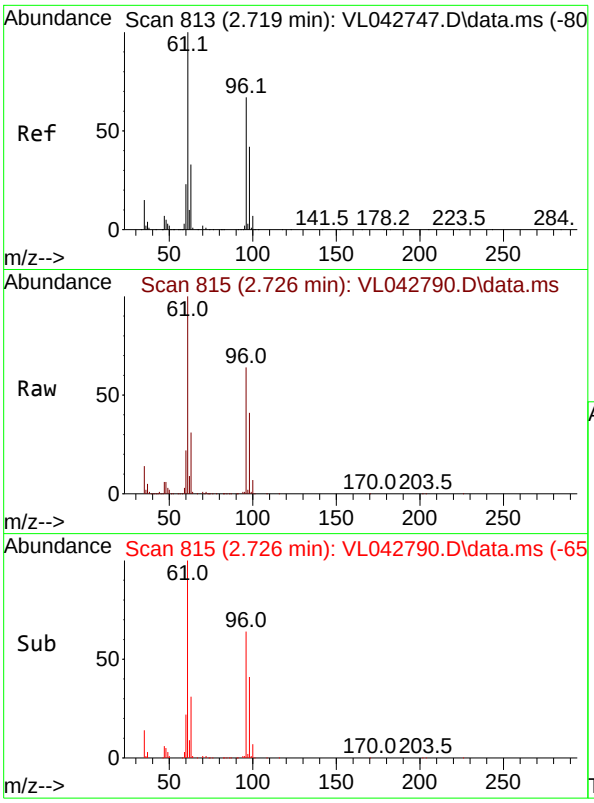


#30
Cyclohexane
Concen: 10.299 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 165101

Ion	Ratio	Lower	Upper
84	100		
56	125.4	97.5	146.3
41	87.4	67.2	100.8

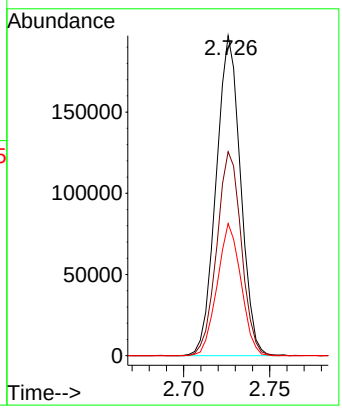




#31
cis-1,2-Dichloroethene
Concen: 10.022 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 61 Resp: 19466

Ion	Ratio	Lower	Upper
61	100		
96	63.8	53.5	80.3
98	41.3	33.6	50.4



Instrument :
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ClientSampleId :
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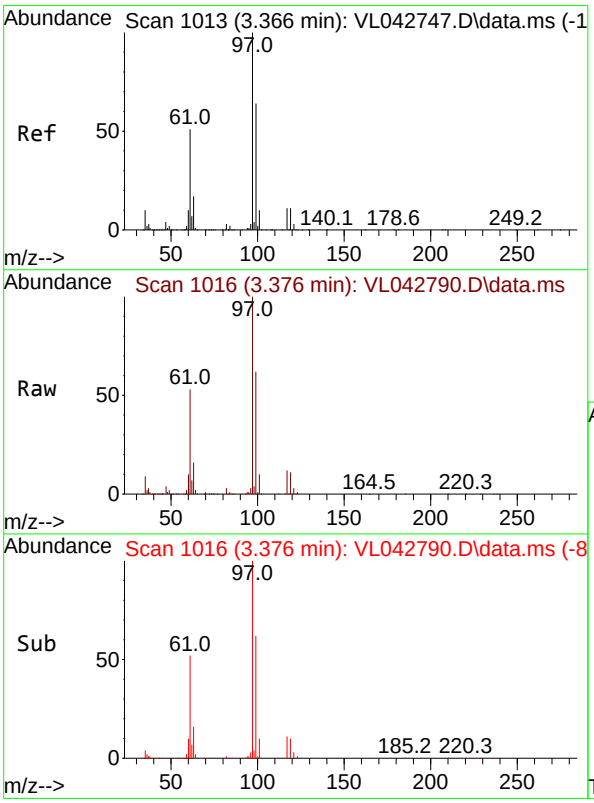
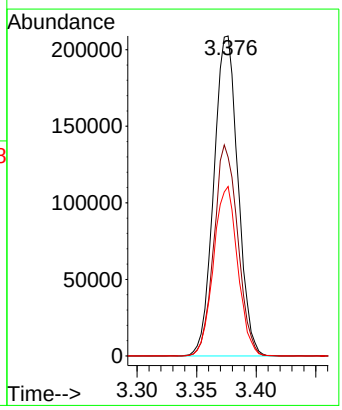
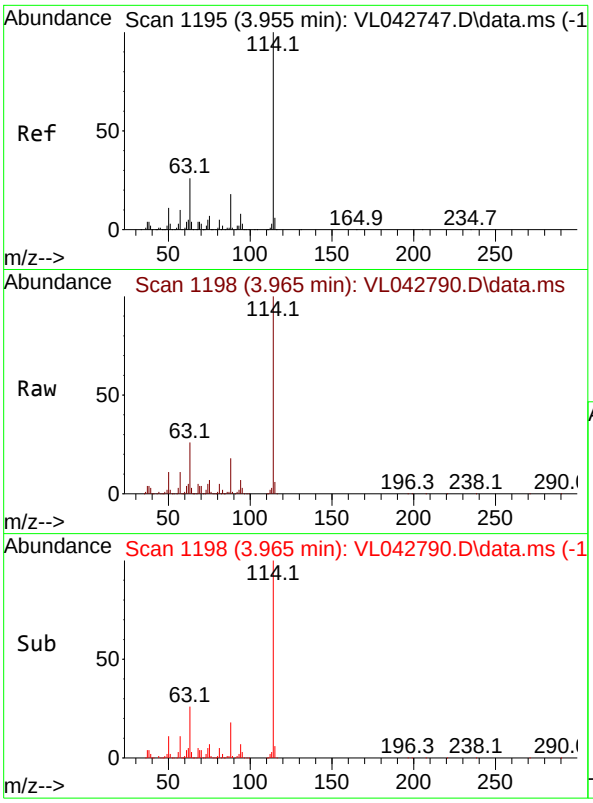


#32
1,1,1-Trichloroethane
Concen: 9.647 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 97 Resp: 293497

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	53.3	40.9	61.3

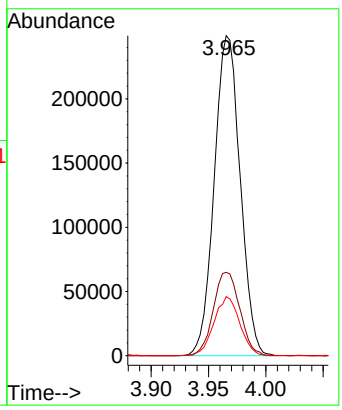




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:114 Resp: 39145

Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.5	30.7
88	18.4	14.0	21.0



Instrument :
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ClientSampleId :
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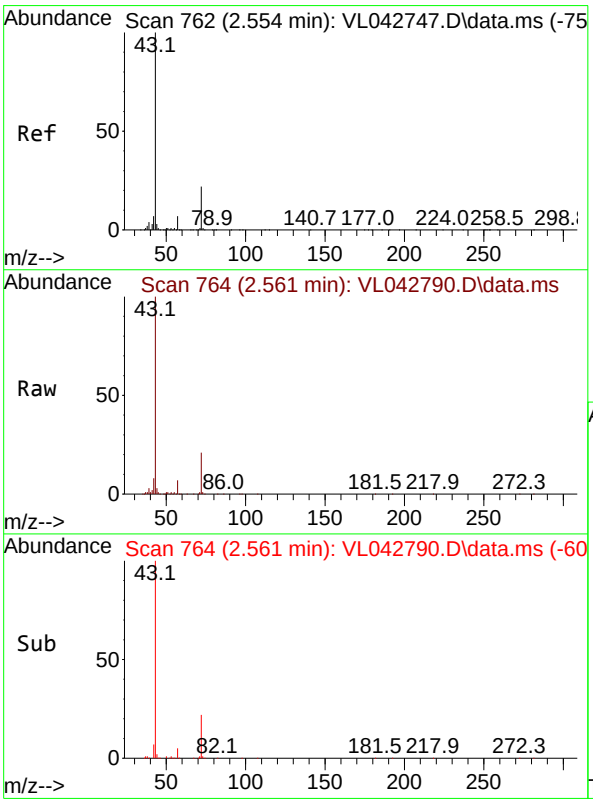
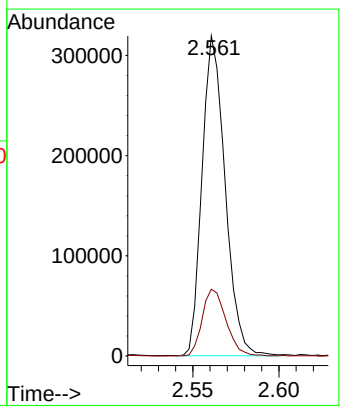
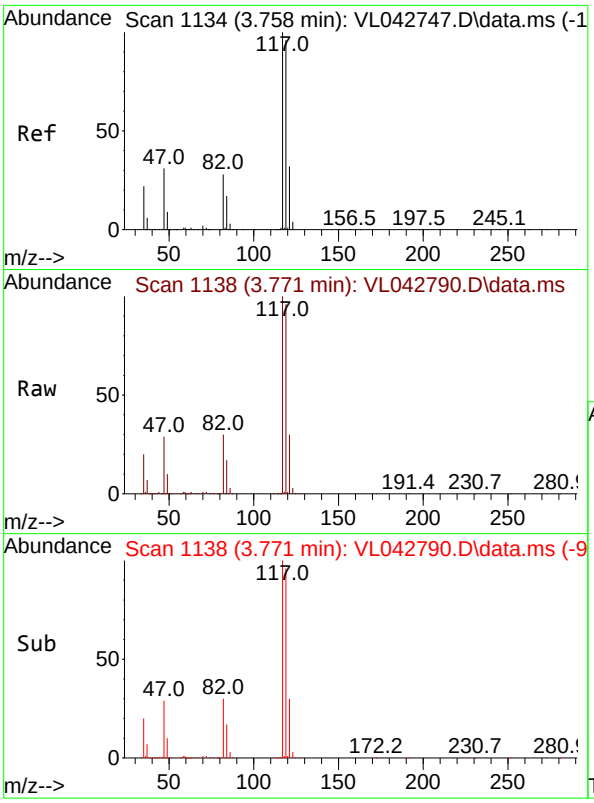


#34
2-Butanone
Concen: 10.758 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 298296

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.4	26.0

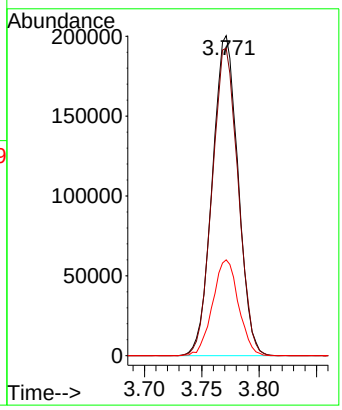




#35
Carbon Tetrachloride
Concen: 10.748 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:117 Resp: 31253

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.0	25.5	38.3



Instrument :
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ClientSampleId :
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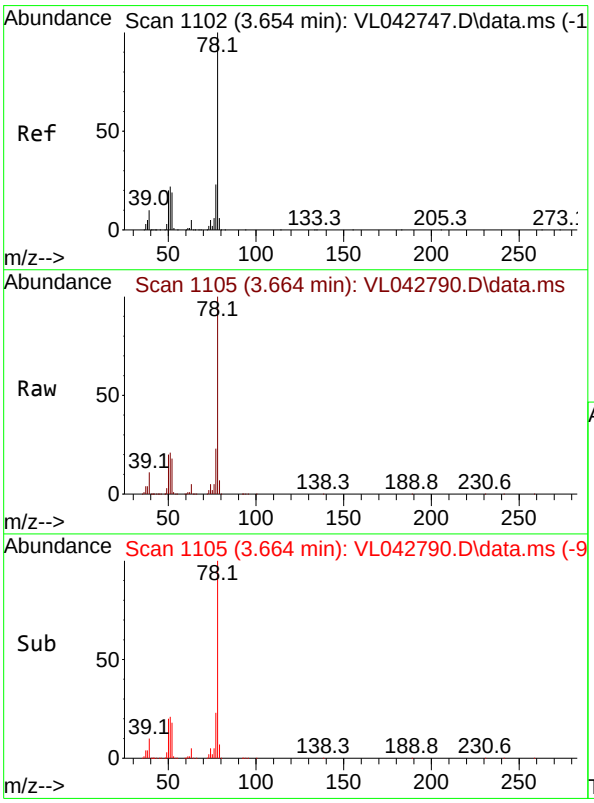
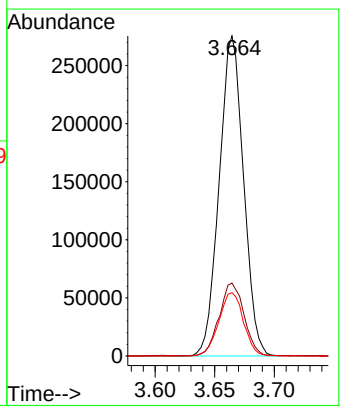
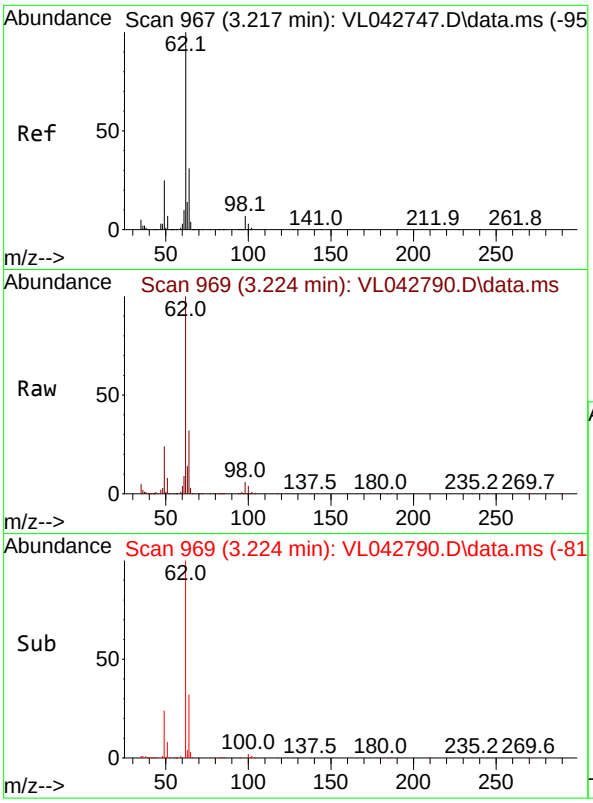


#36
Benzene
Concen: 10.536 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 78 Resp: 390877

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7
50	19.8	16.2	24.2

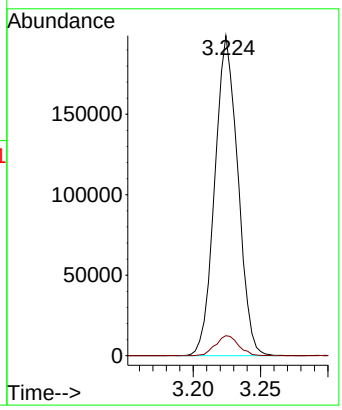




#37
1,2-Dichloroethane
Concen: 10.589 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 62 Resp: 23665

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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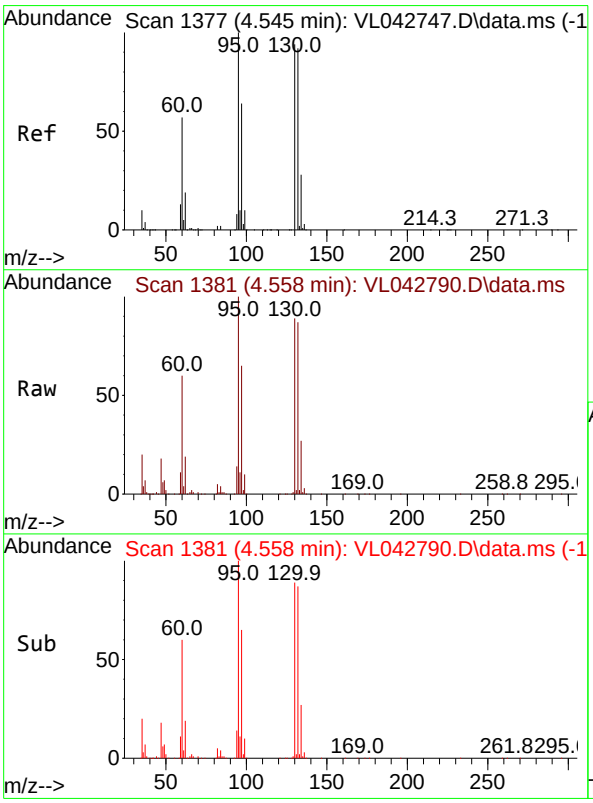
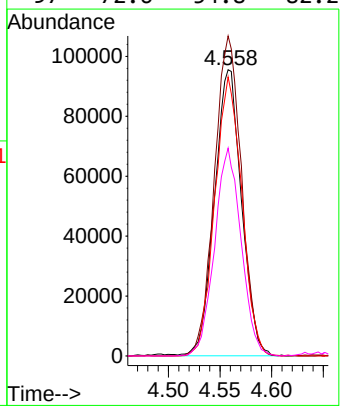
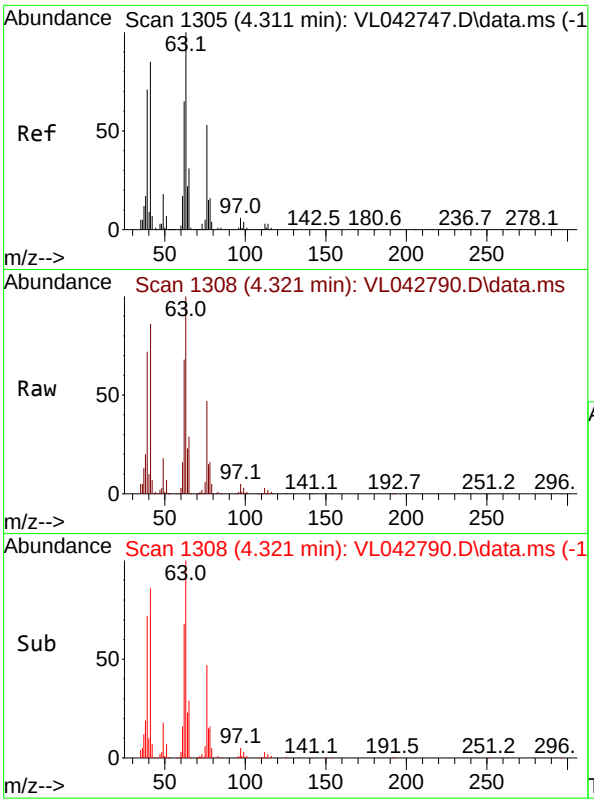


#38
Trichloroethene
Concen: 9.776 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:130 Resp: 174246

Ion	Ratio	Lower	Upper
130	100		
95	111.7	85.4	128.2
132	97.5	78.2	117.2
97	72.6	54.8	82.2

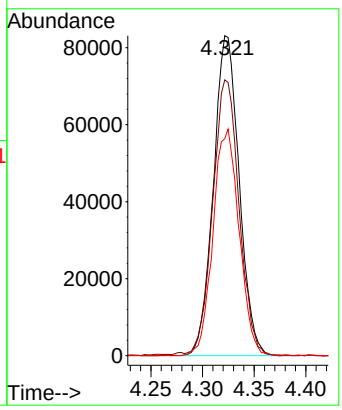




#39
1,2-Dichloropropane
Concen: 10.536 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 63 Resp: 14428

Ion	Ratio	Lower	Upper
63	100		
41	86.0	68.2	102.4
62	67.8	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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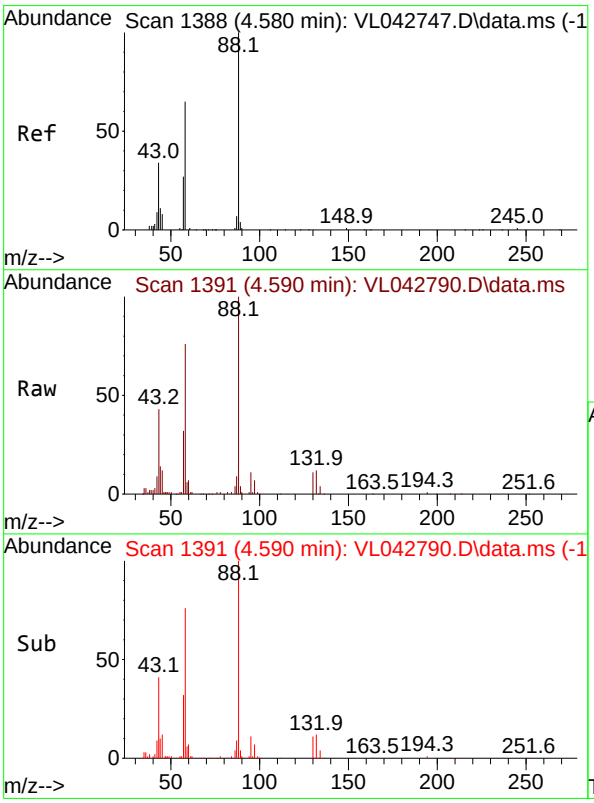
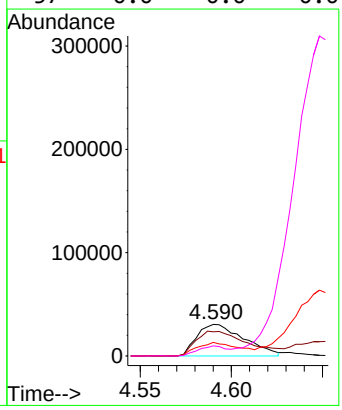
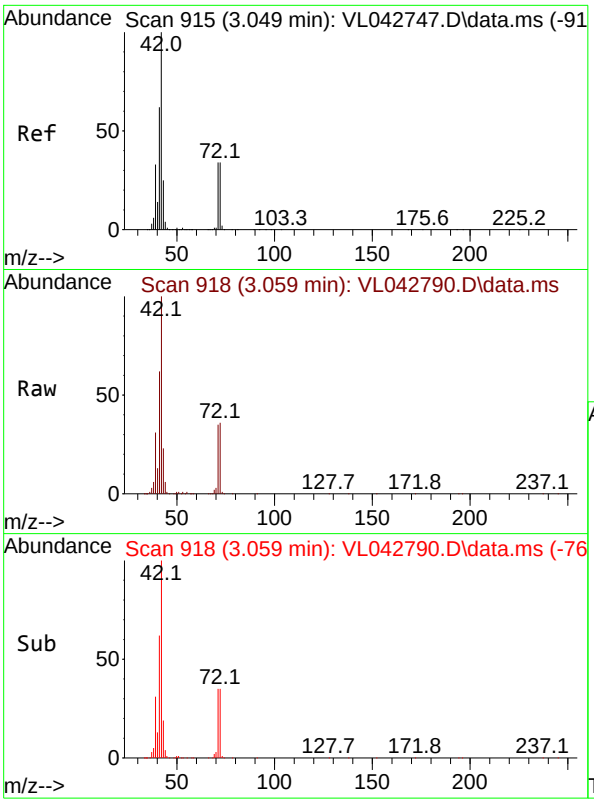


#40
1,4-Dioxane
Concen: 8.594 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 88 Resp: 54856

Ion	Ratio	Lower	Upper
88	100		
58	85.8	58.8	88.2
43	34.3	28.9	43.3
57	0.0	0.0	0.0

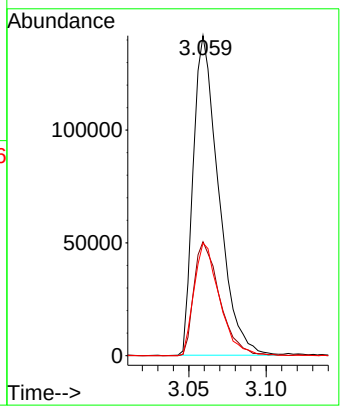




#41
Tetrahydrofuran
Concen: 11.448 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 42 Resp: 16153

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.9	46.3
71	35.5	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
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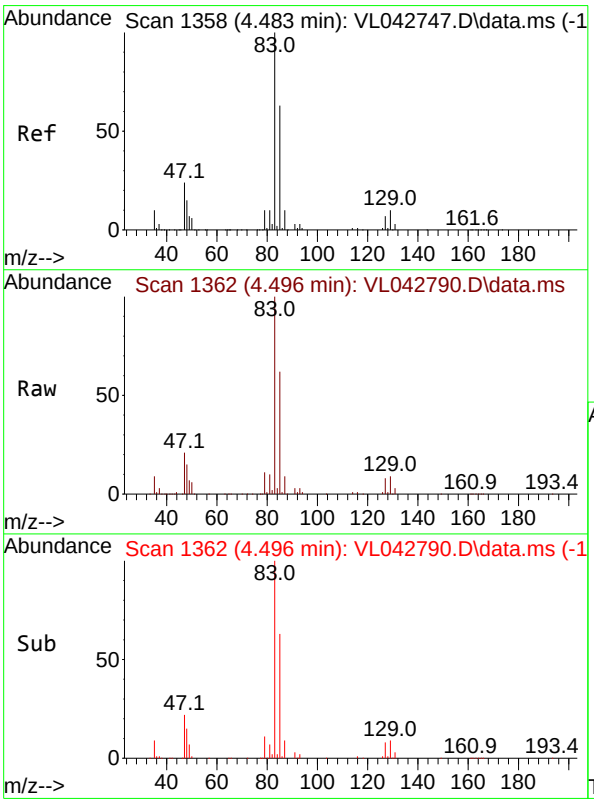
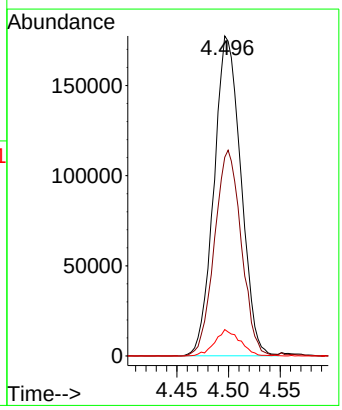
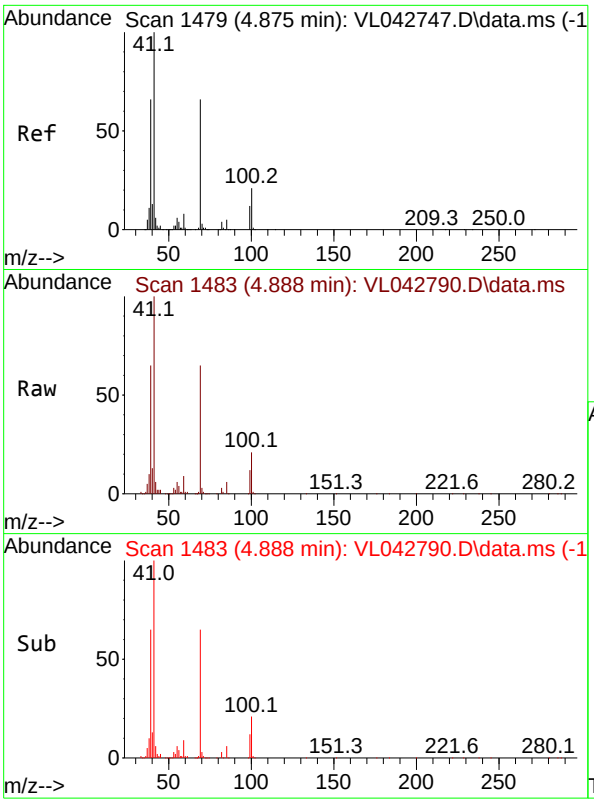


#42
Bromodichloromethane
Concen: 11.059 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 83 Resp: 321891

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.2	5.4	8.2#

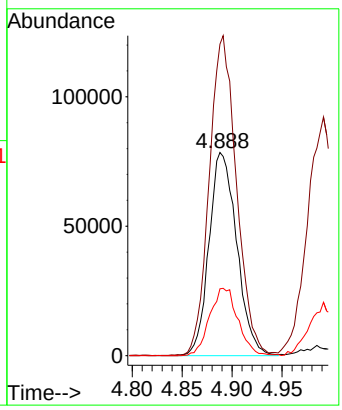




#43
Methyl Methacrylate
Concen: 11.512 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 69 Resp: 15180

Ion	Ratio	Lower	Upper
69	100		
41	154.2	125.7	188.5
100	33.8	28.6	42.8



Instrument :
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ClientSampleId :
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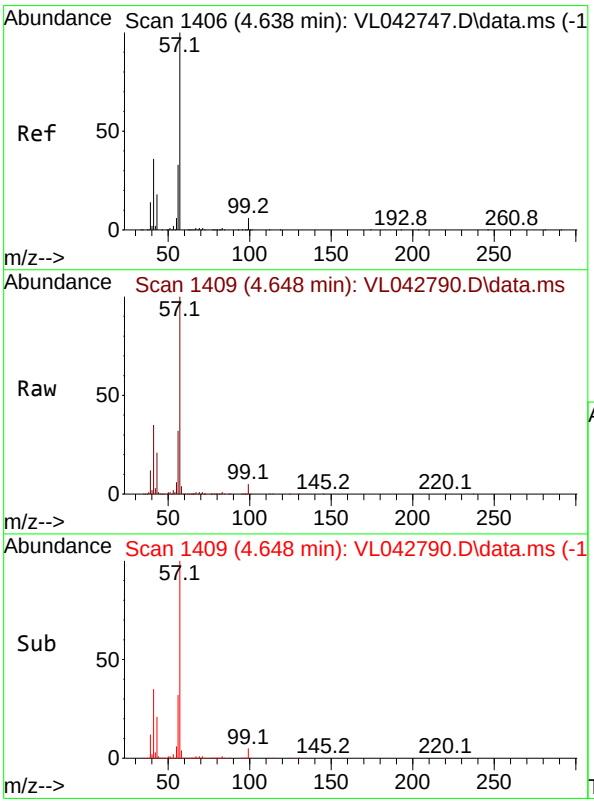
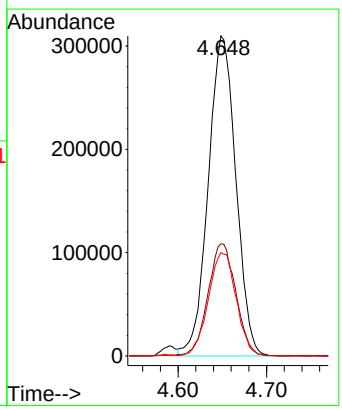
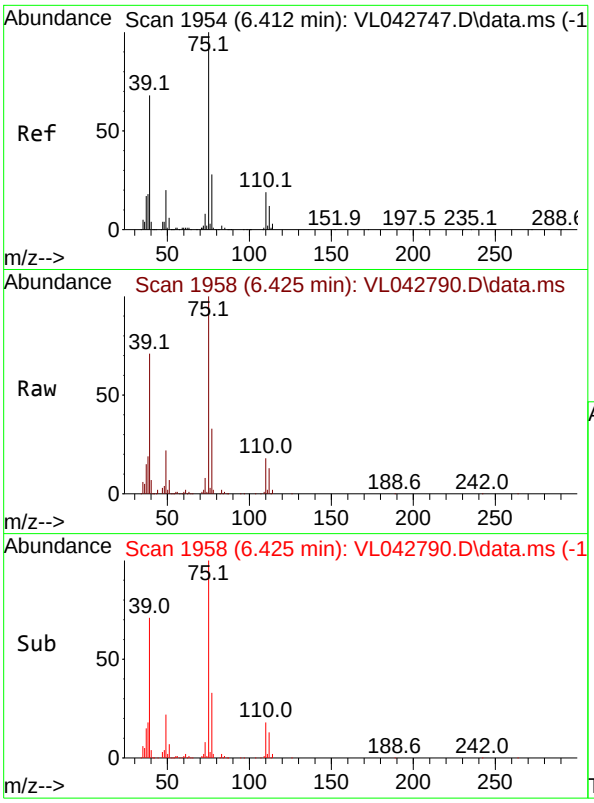


#44
2,2,4-Trimethylpentane
Concen: 11.121 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 57 Resp: 672509

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.3	42.5
56	32.7	25.8	38.6

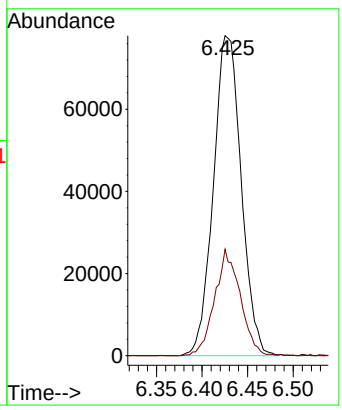




#45
t-1,3-Dichloropropene
Concen: 11.199 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 75 Resp: 16560

Ion	Ratio	Lower	Upper
75	100		
77	33.3	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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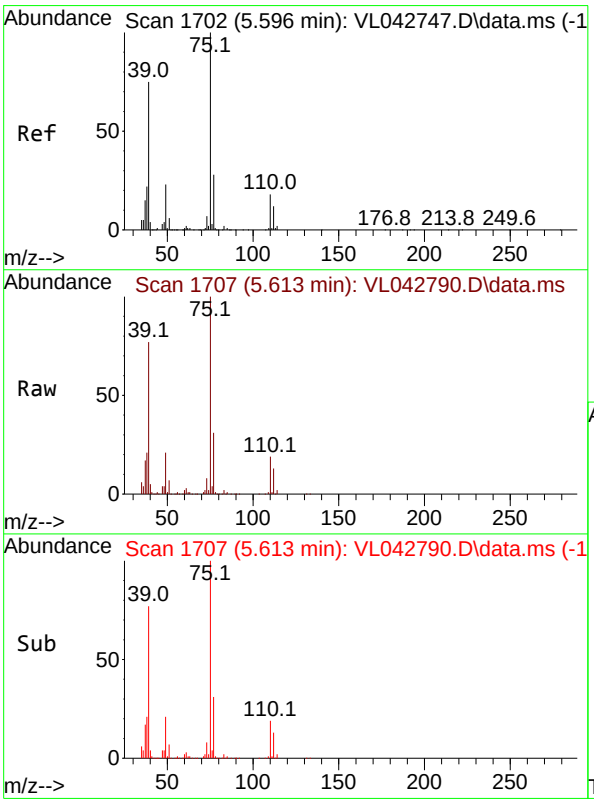
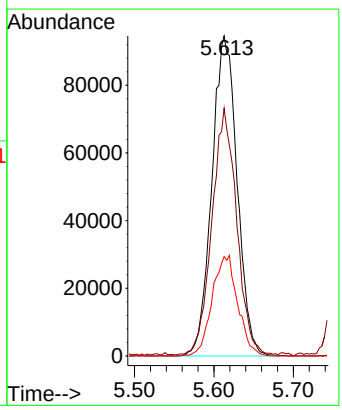
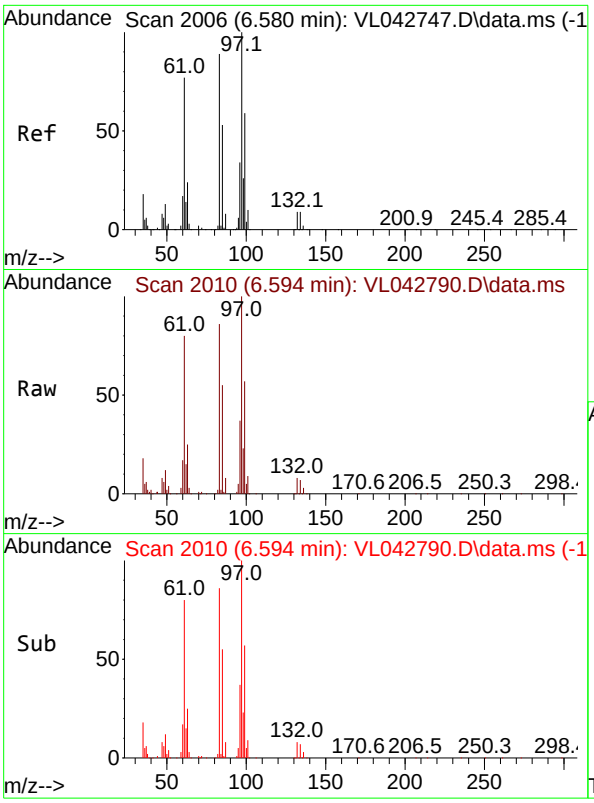


#46
cis-1,3-Dichloropropene
Concen: 11.143 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 75 Resp: 208804

Ion	Ratio	Lower	Upper
75	100		
39	77.0	60.2	90.2
77	31.0	22.6	34.0

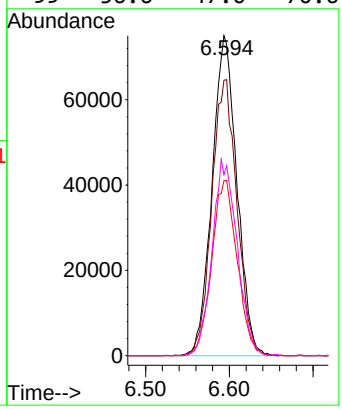




#47
1,1,2-Trichloroethane
Concen: 10.587 ppbv
RT: 6.594 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 97 Resp: 15455

Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.1	106.7
85	54.7	43.0	64.4
99	56.6	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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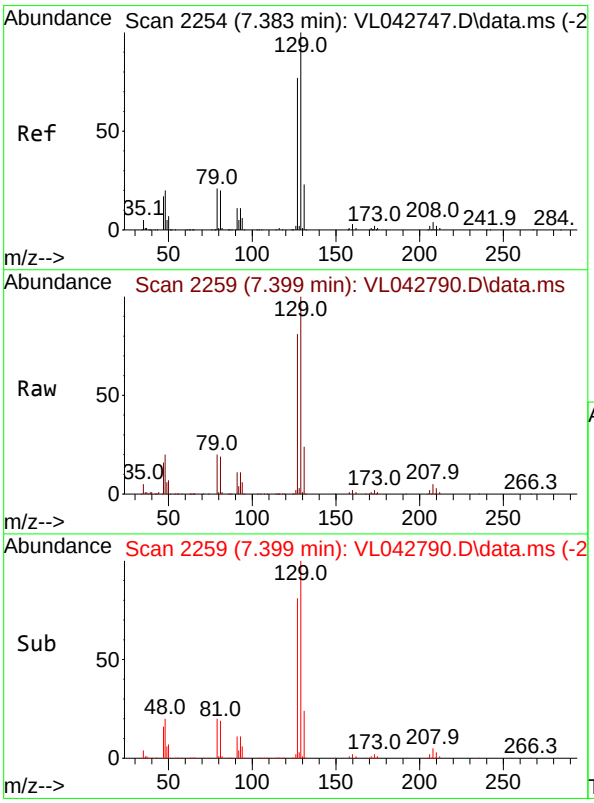
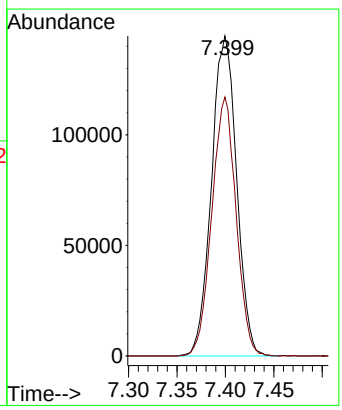
Supervised By :Mahesh Dadoda 08/01/2025

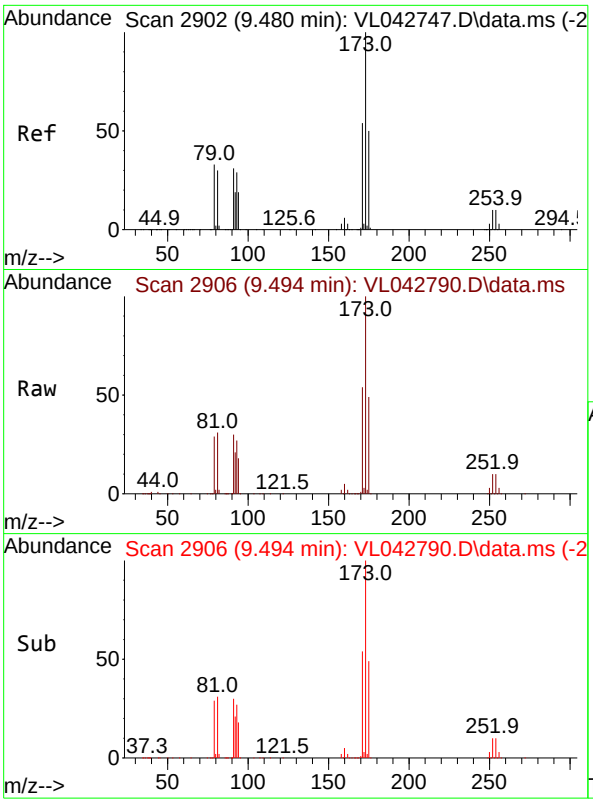


#48
Dibromochloromethane
Concen: 11.278 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:129 Resp: 261380

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.7	116.1

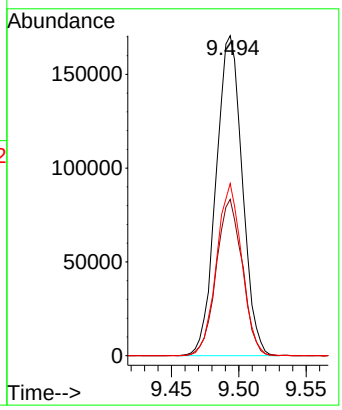




#49
Bromoform
Concen: 11.433 ppbv
RT: 9.494 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:173 Resp: 23102

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.4	57.6
171	51.8	40.9	61.3



Instrument :
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ClientSampleId :
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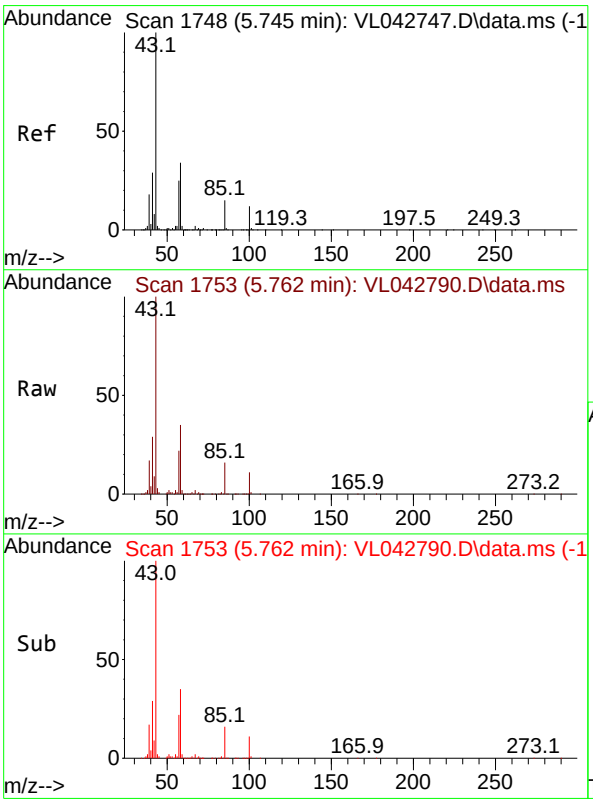
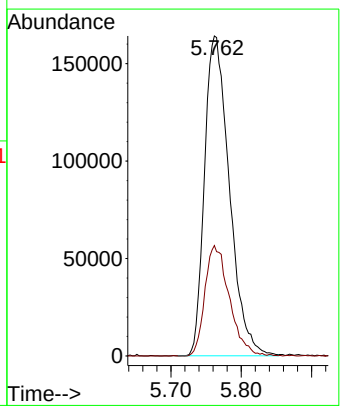
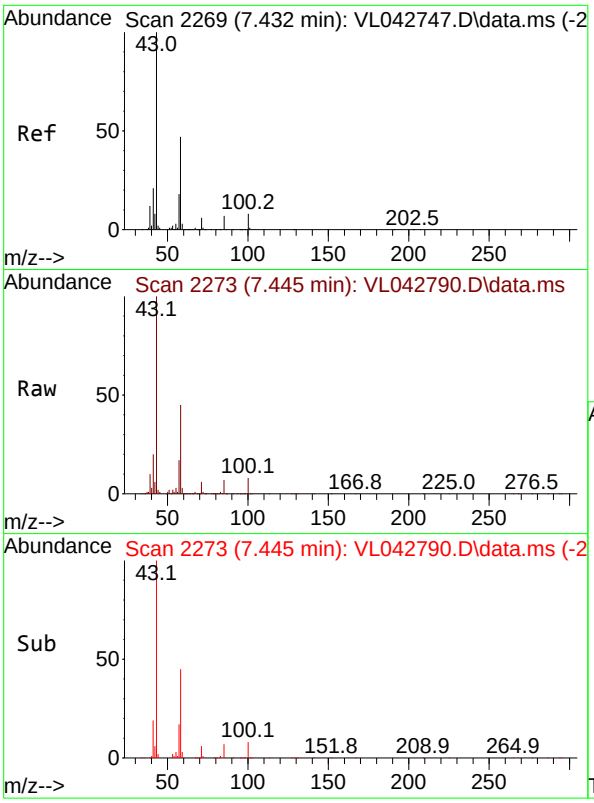


#50
4-Methyl-2-Pentanone
Concen: 11.270 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 402543

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.8

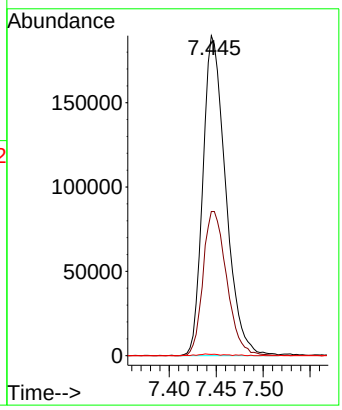




#51
2-Hexanone
Concen: 11.895 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 32107

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.0	57.0
98	0.6	0.2	0.4



Instrument :
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ClientSampleId :
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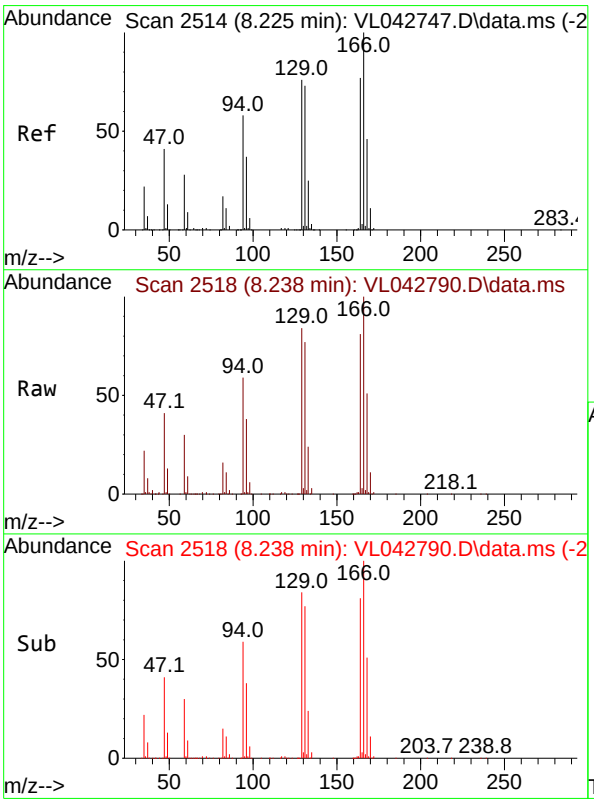
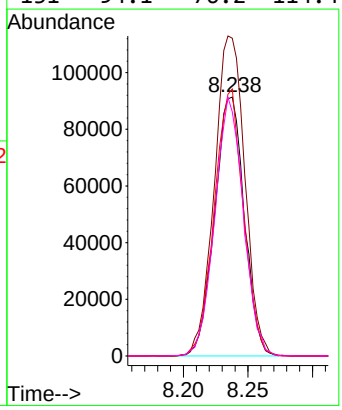
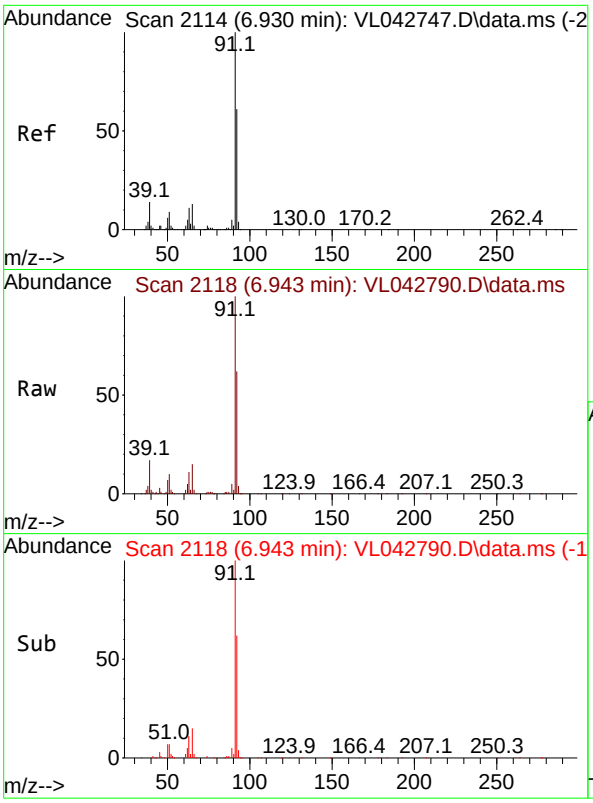


#52
Tetrachloroethene
Concen: 9.479 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:164 Resp: 145761

Ion	Ratio	Lower	Upper
164	100		
166	122.6	104.0	156.0
129	103.0	79.2	118.8
131	94.1	76.2	114.4

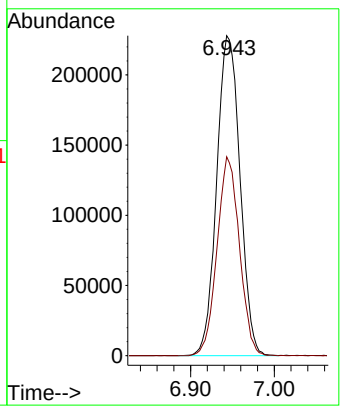




#53
Toluene
Concen: 11.041 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 43986

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.0	72.0



Instrument :
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ClientSampleId :
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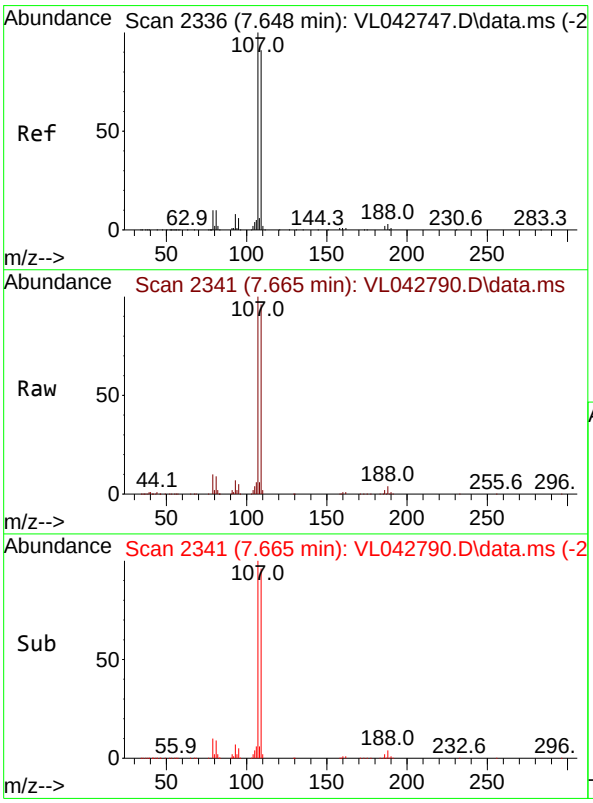
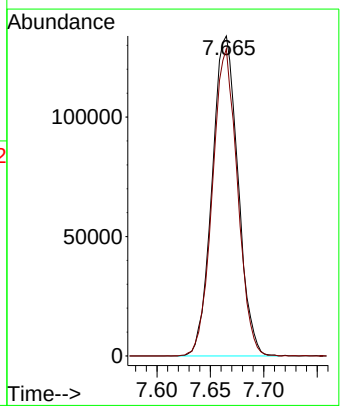
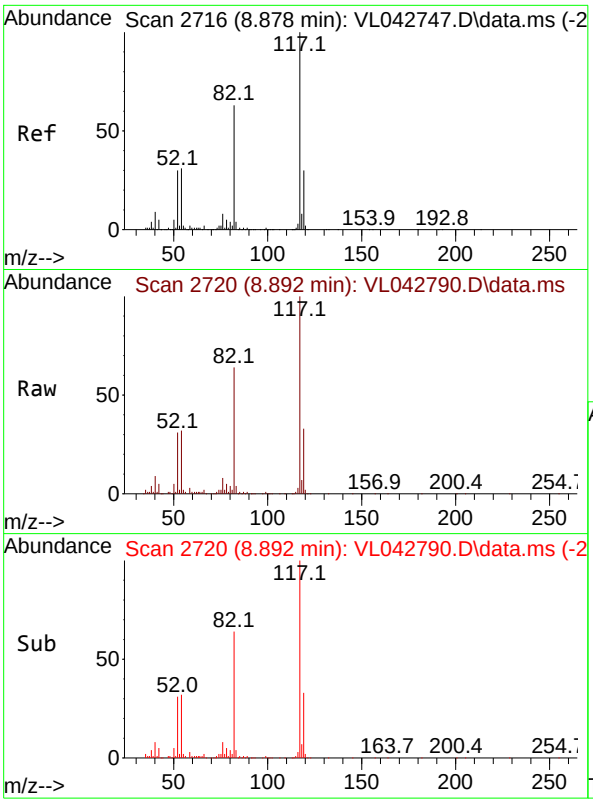


#54
1,2-Dibromoethane
Concen: 10.928 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:107 Resp: 225399

Ion	Ratio	Lower	Upper
107	100		
109	95.9	72.7	109.1

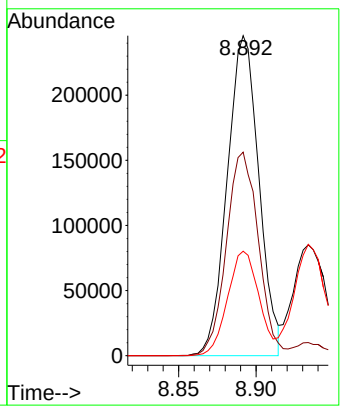




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:117 Resp: 34988

Ion	Ratio	Lower	Upper
117	100		
82	68.2	53.3	79.9
119	32.9	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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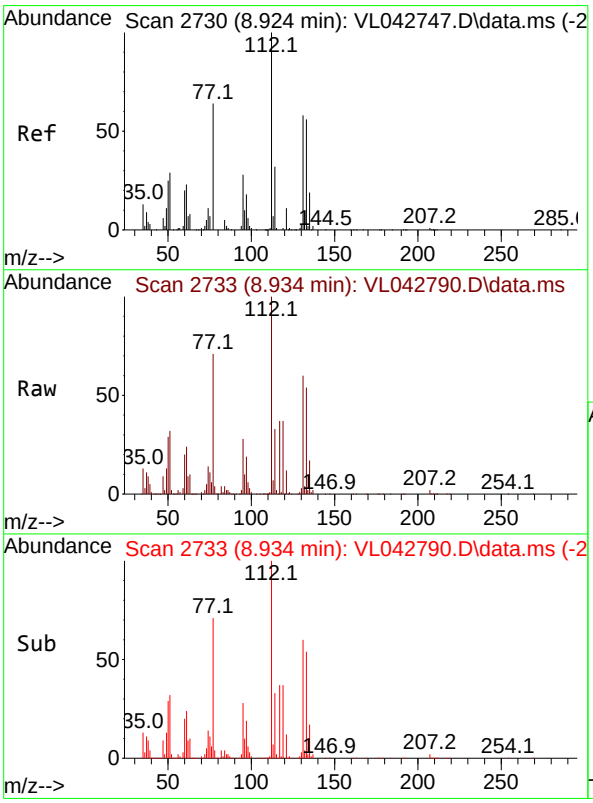
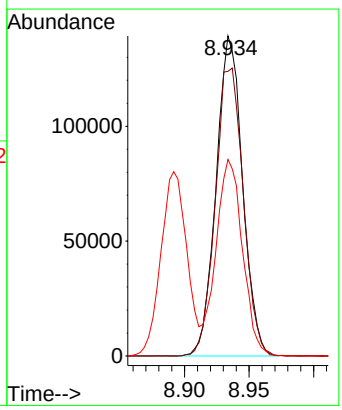
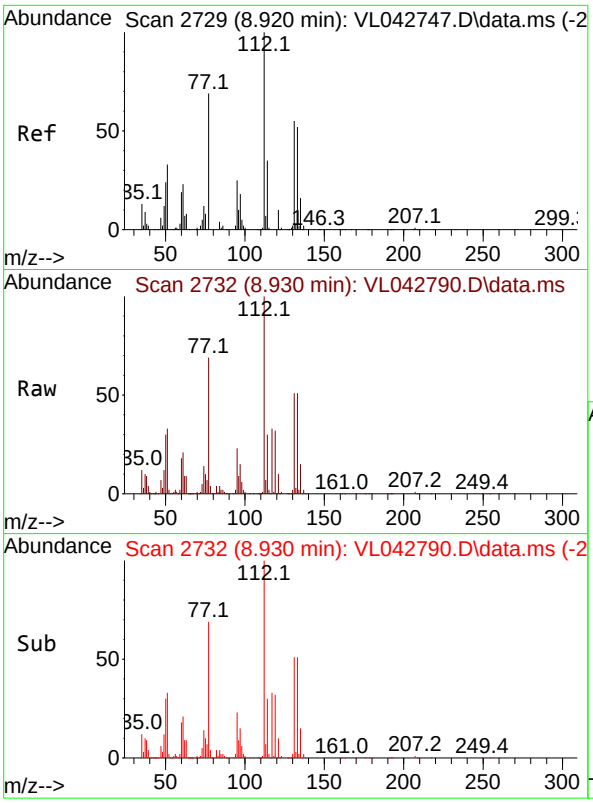


#56
1,1,1,2-Tetrachloroethane
Concen: 10.906 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:131 Resp: 198394

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.8	115.2
119	62.0	49.7	74.5

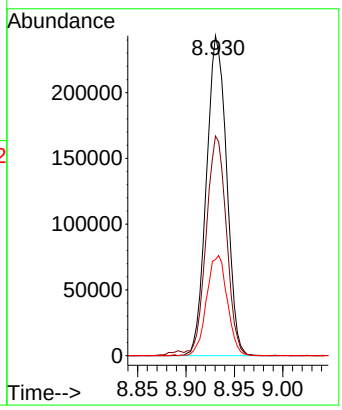




#57
Chlorobenzene
Concen: 10.386 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:112 Resp: 35167

Ion	Ratio	Lower	Upper
112	100		
77	68.6	56.4	84.6
114	30.0	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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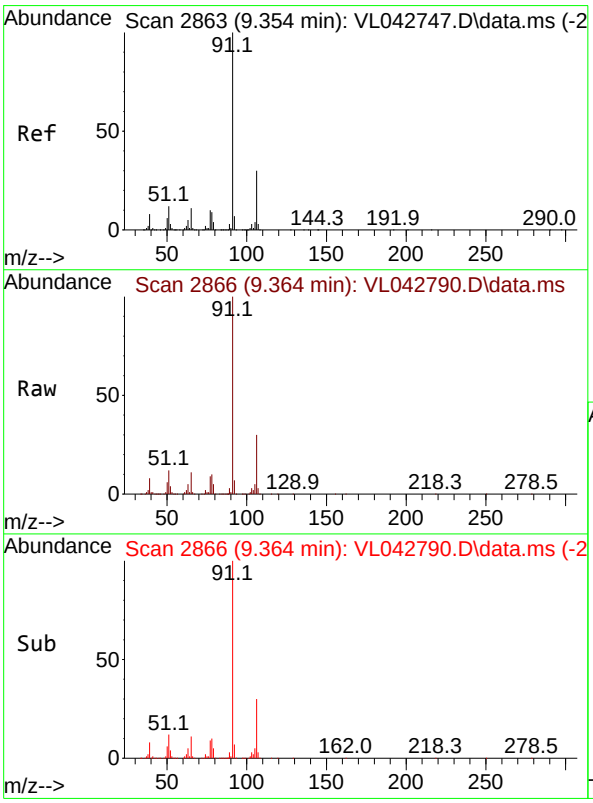
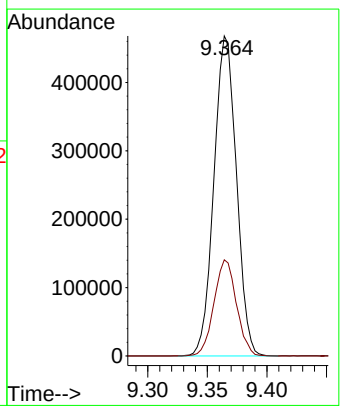
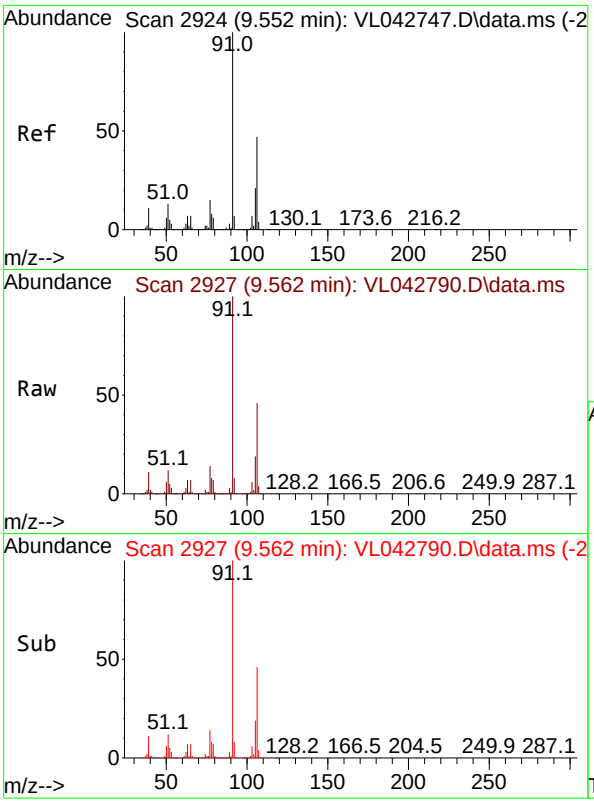


#58
Ethyl Benzene
Concen: 11.121 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 614495

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6

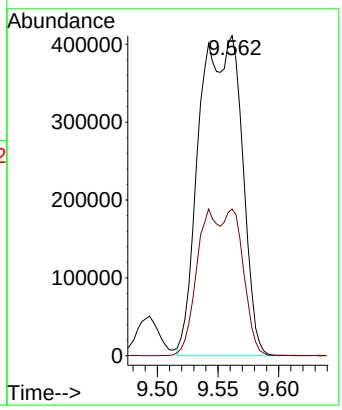




#59
m/p-Xylene
Concen: 22.758 ppbv m
RT: 9.562 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 100495

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2



Instrument :
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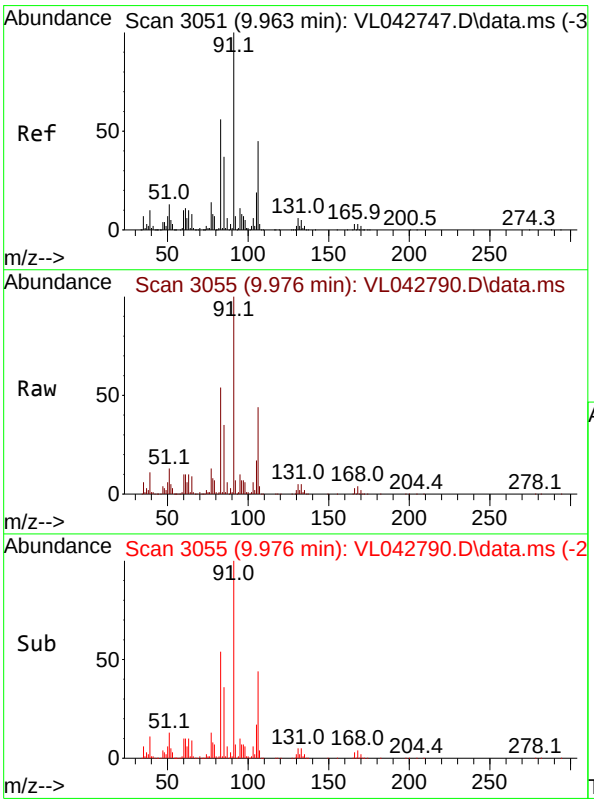
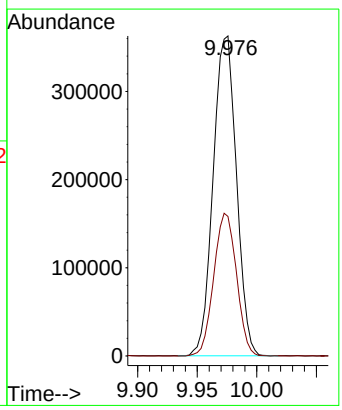
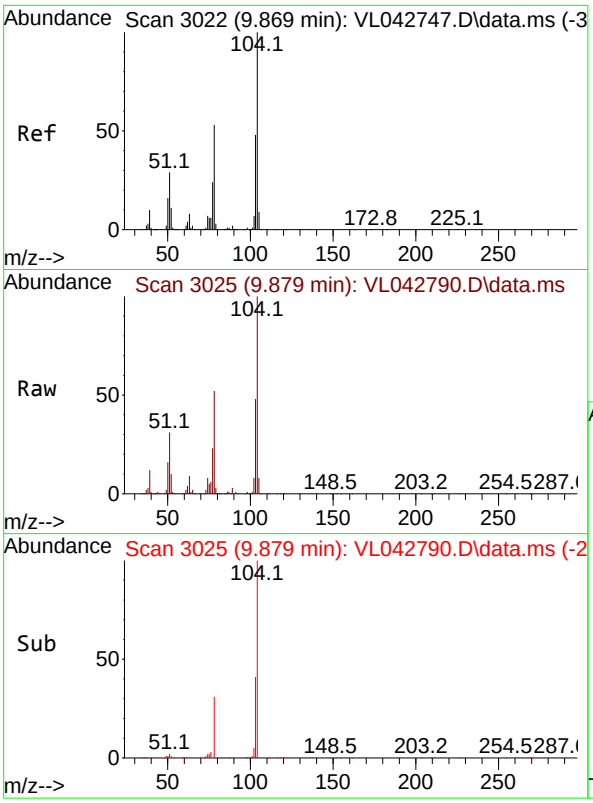


#60
o-Xylene
Concen: 11.188 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 493686

Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.0	66.0

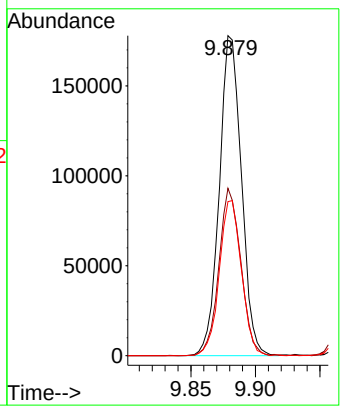




#61
Styrene
Concen: 11.406 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:104 Resp: 21171

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	48.8	37.5	56.3



Instrument :
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ClientSampleId :
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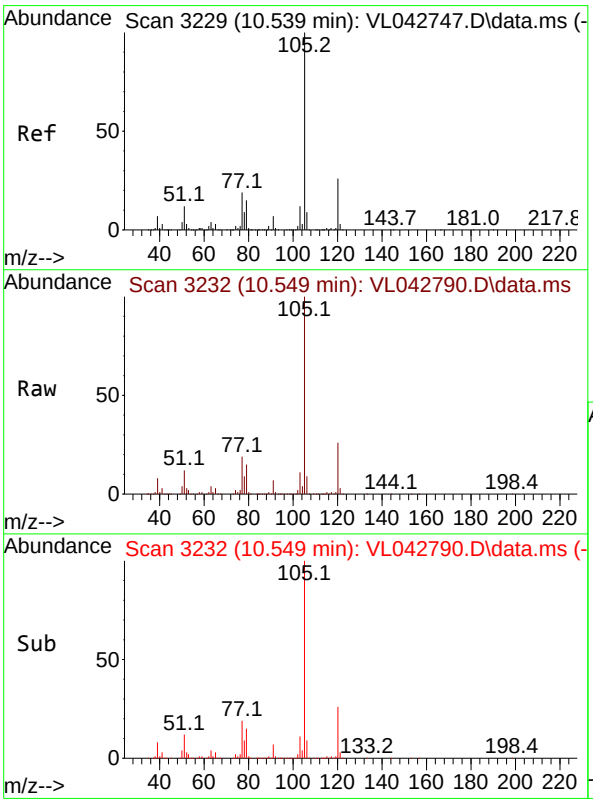
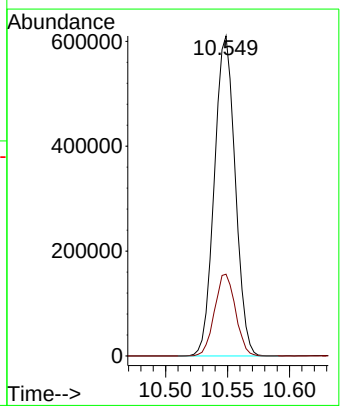
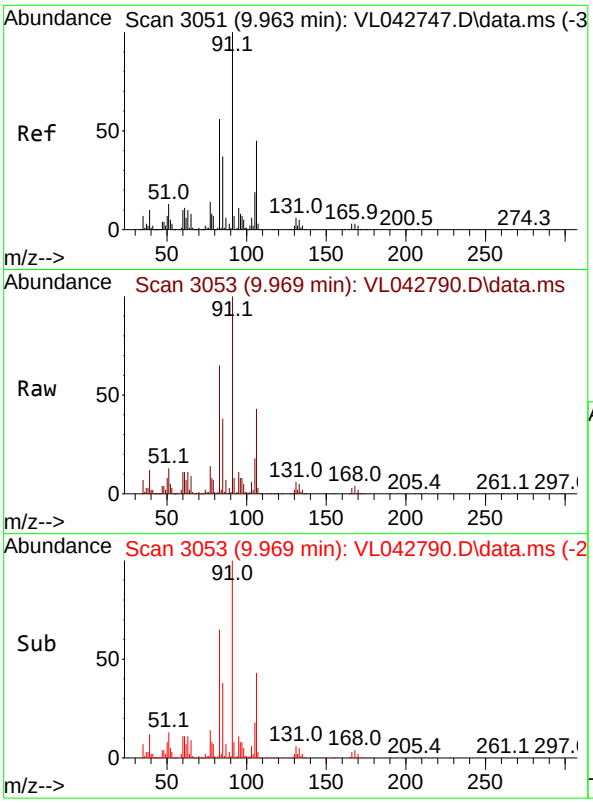


#62
Isopropylbenzene
Concen: 11.007 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 716413

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

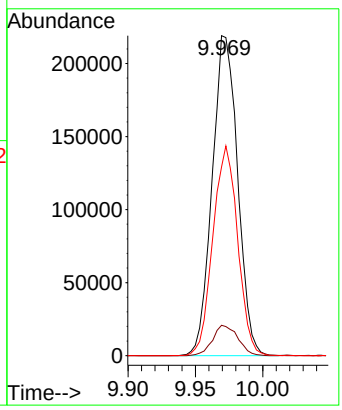




#63
1,1,2,2-Tetrachloroethane
Concen: 10.176 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 83 Resp: 28826

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.7	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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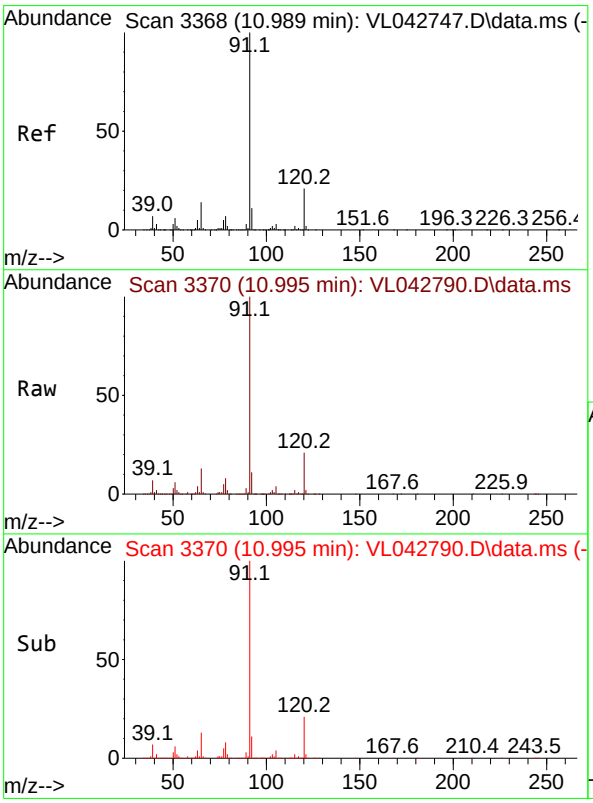
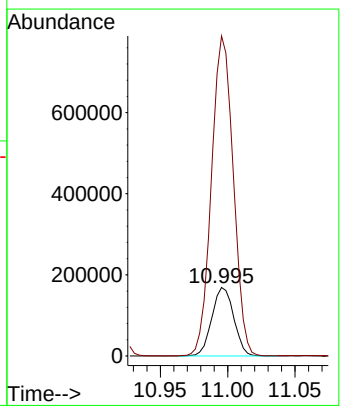
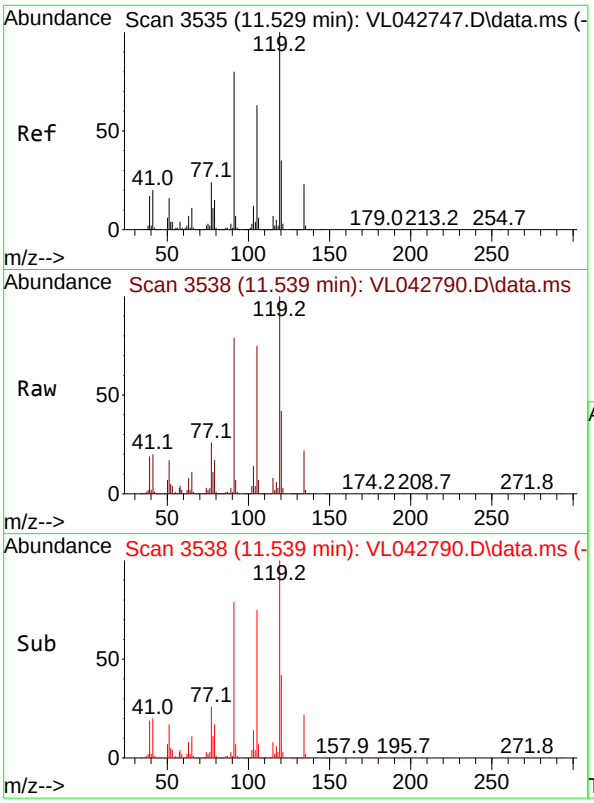


#64
n-propylbenzene
Concen: 11.237 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:120 Resp: 190663

Ion	Ratio	Lower	Upper
120	100		
91	466.1	372.7	559.1

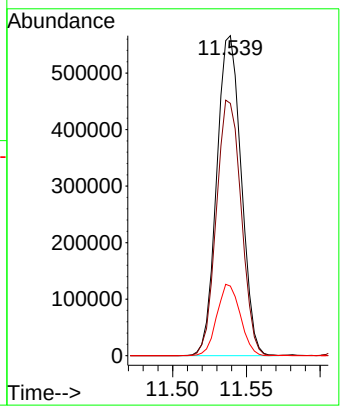




#65
tert-Butylbenzene
Concen: 11.322 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:119 Resp: 65456

Ion	Ratio	Lower	Upper
119	100		
91	81.1	64.0	96.0
134	21.3	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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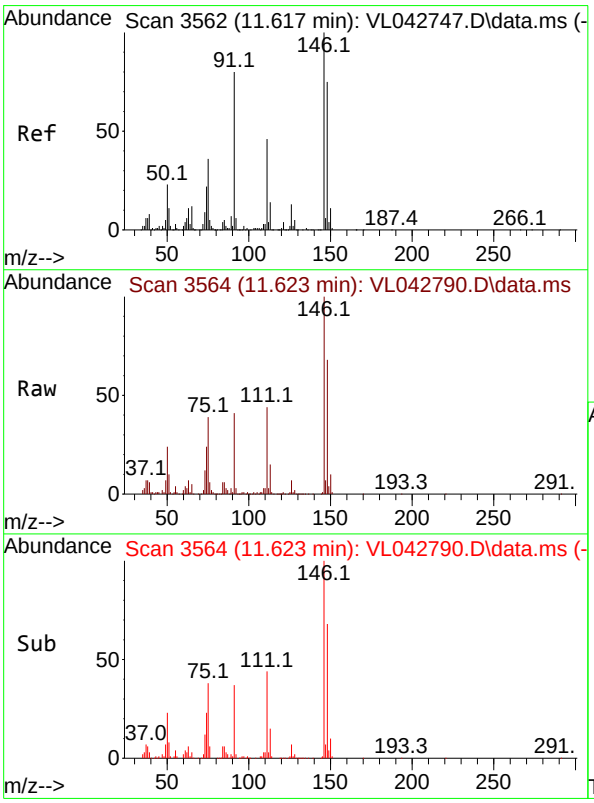
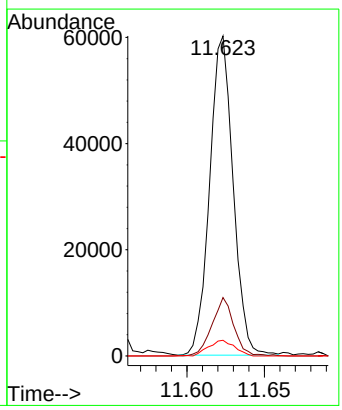
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

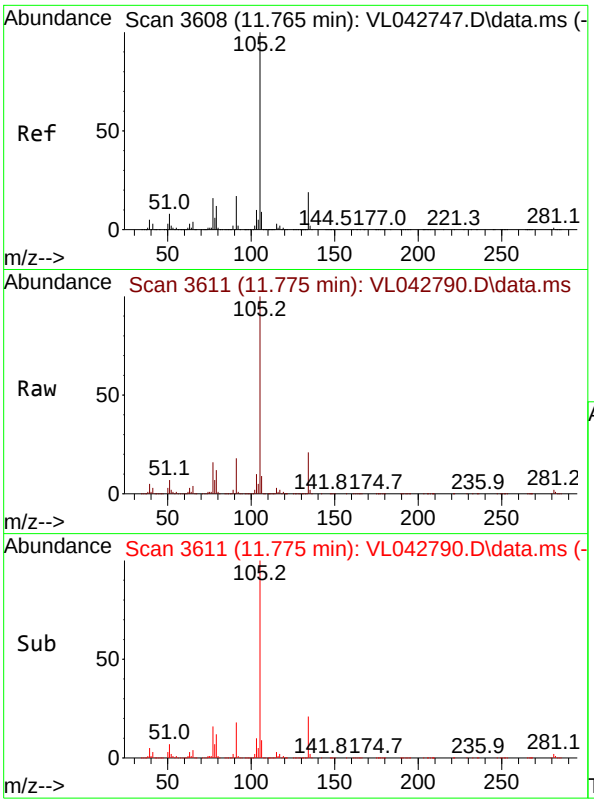


#66
Benzyl Chloride
Concen: 13.365 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 63429

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.4	21.6
128	5.5	5.2	7.8

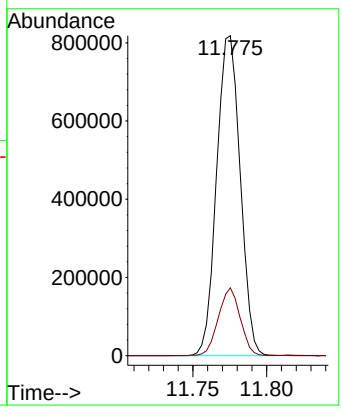




#67
sec-Butylbenzene
Concen: 11.065 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 90981

Ion	Ratio	Lower	Upper
105	100		
134	19.7	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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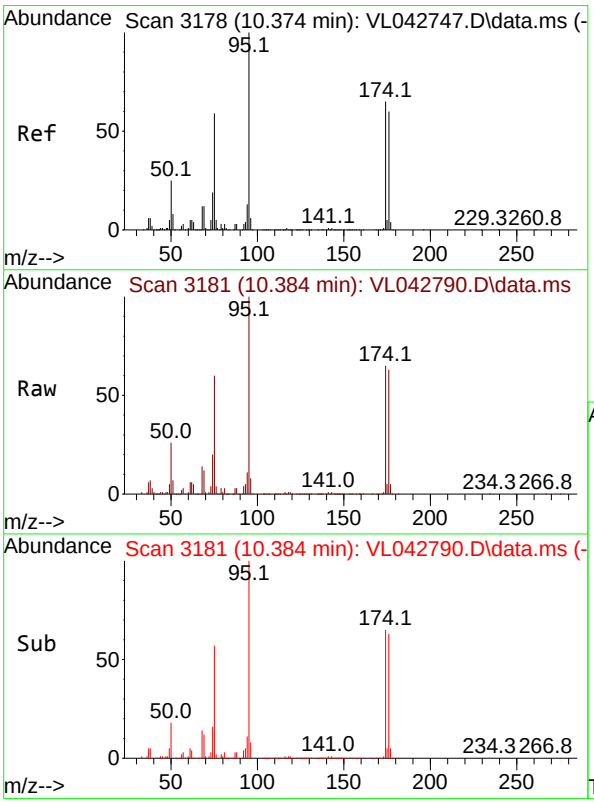
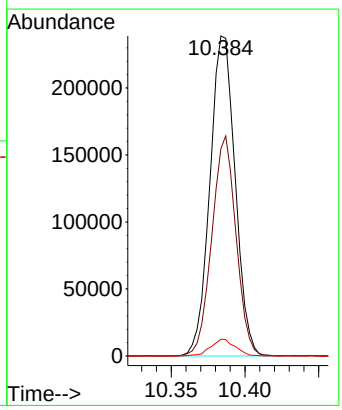
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

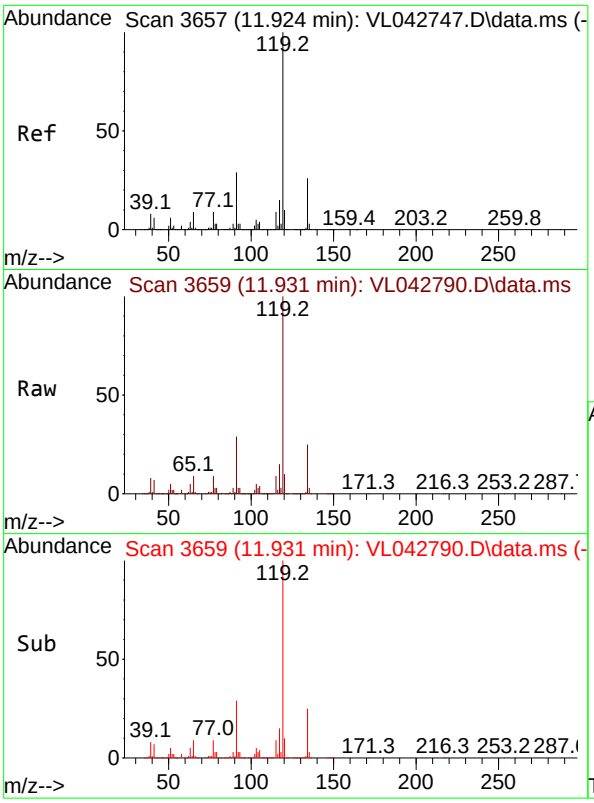


#68
1-Bromo-4-Fluorobenzene
Concen: 10.254 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 95 Resp: 284130

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	5.1	4.0	6.0

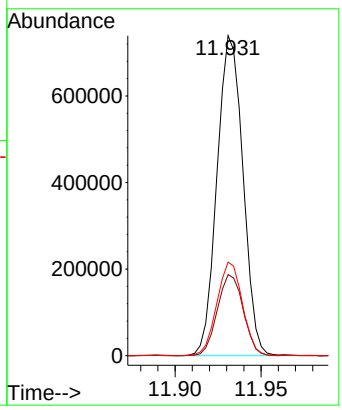




#69
p-Isopropyltoluene
Concen: 11.553 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:119 Resp: 77456

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	31.0
91	29.0	23.2	34.8



Instrument :
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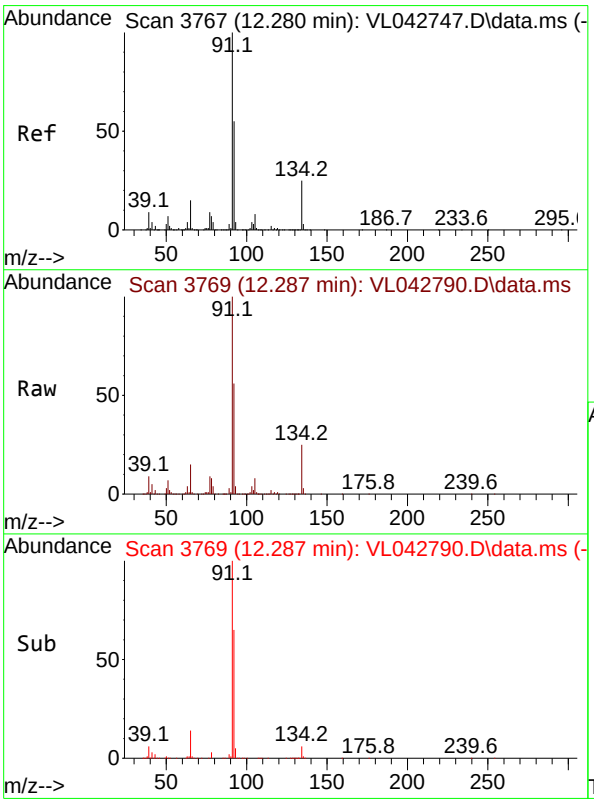
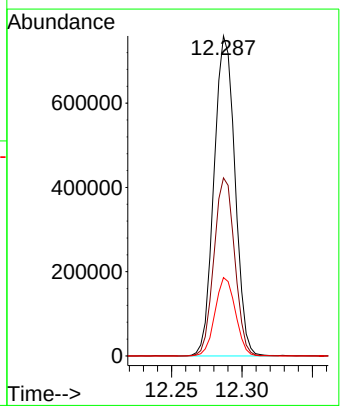
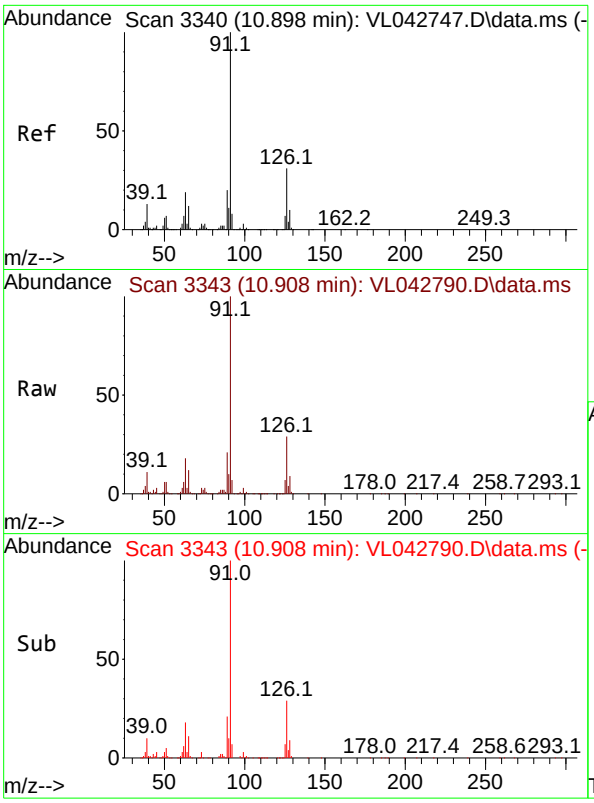


#70
n-Butylbenzene
Concen: 12.130 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 785569

Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.4	65.2
134	23.9	19.6	29.4

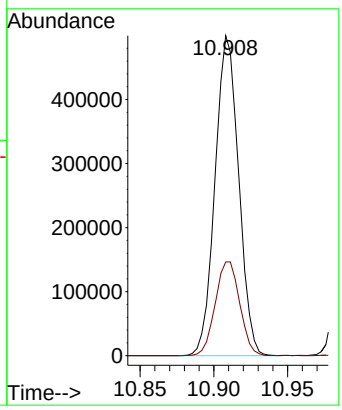




#71
2-Chlorotoluene
Concen: 11.153 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 55661

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2



Instrument :
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ClientSampleId :
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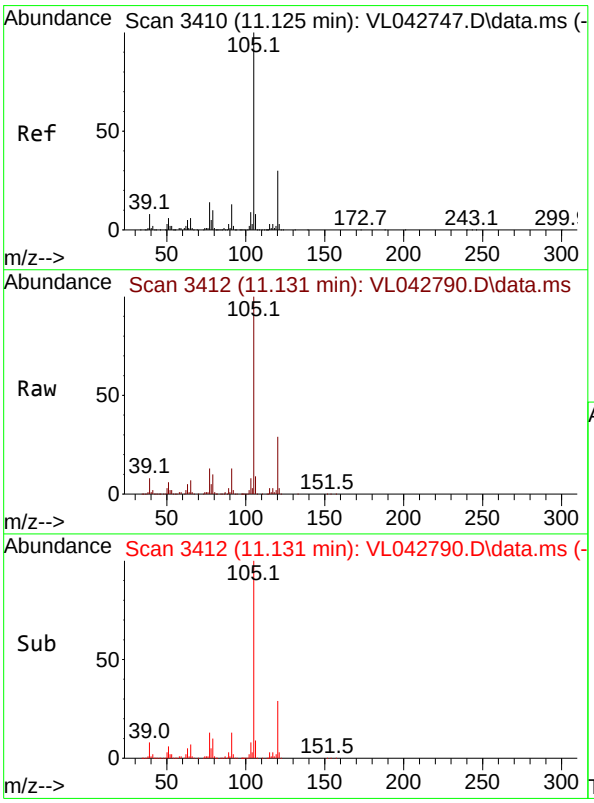
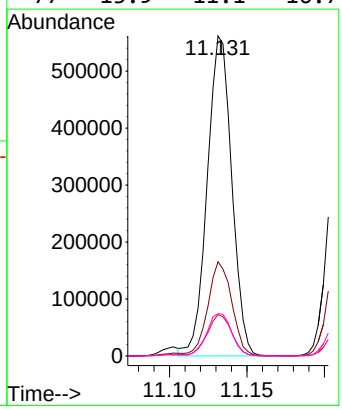
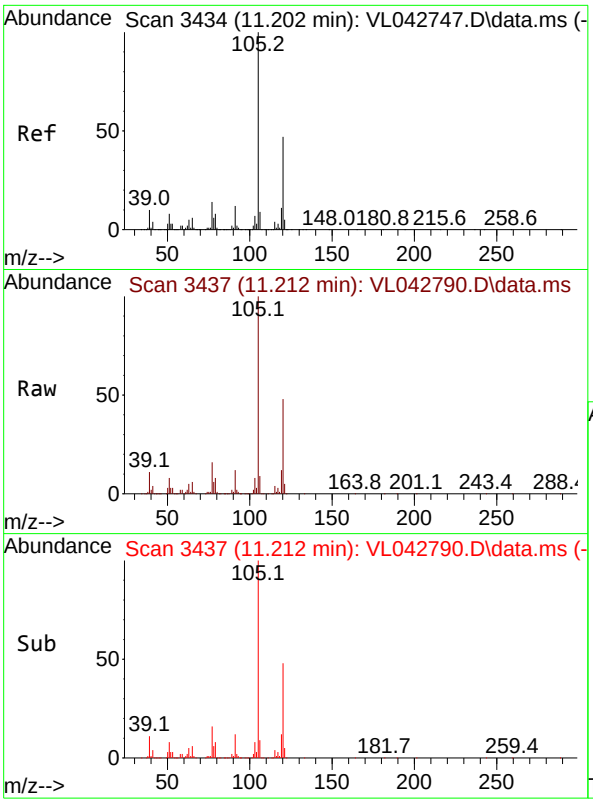


#72
4-Ethyltoluene
Concen: 11.729 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 618091

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.4	36.6
91	13.3	10.6	15.8
77	13.9	11.1	16.7

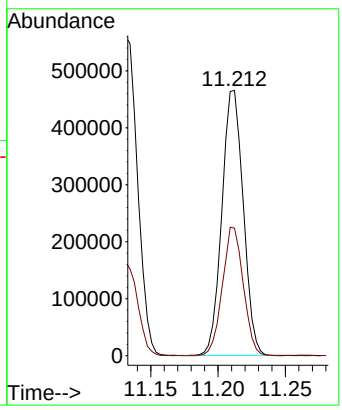




#73
1,3,5-Trimethylbenzene
Concen: 11.871 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 51504

Ion	Ratio	Lower	Upper
105	100		
120	48.1	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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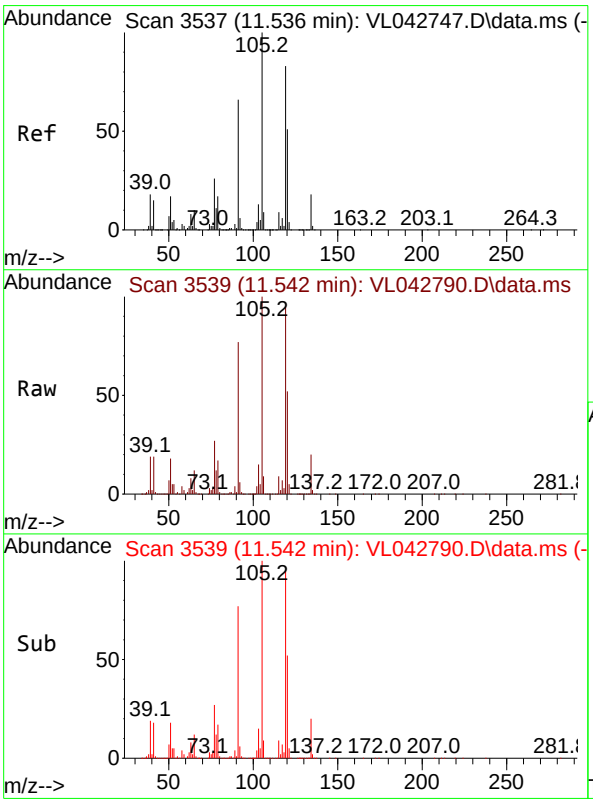
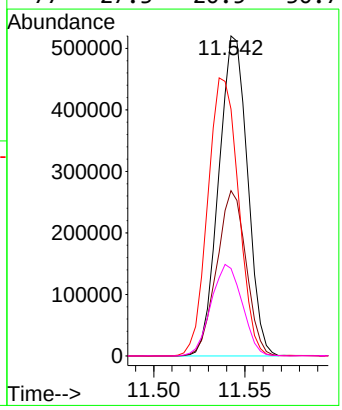
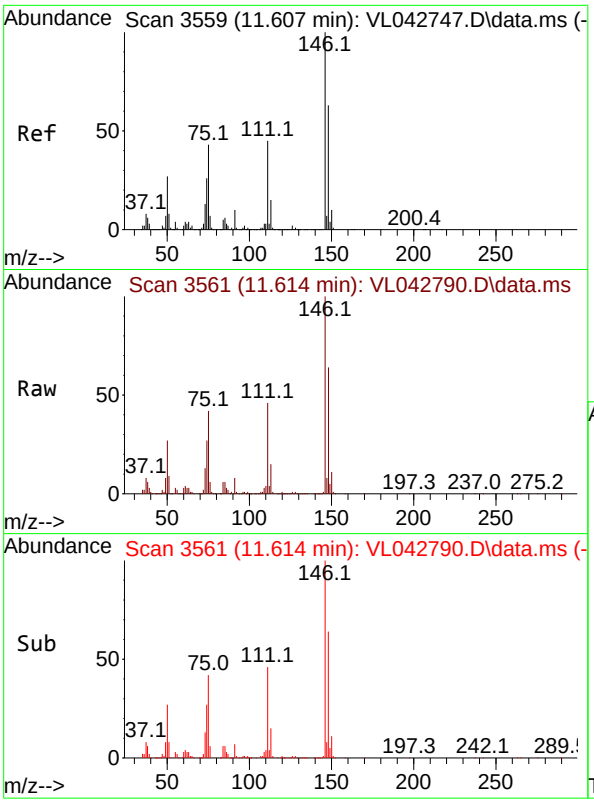


#74
1,2,4-Trimethylbenzene
Concen: 12.057 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 570715

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.8	61.2
91	77.0	53.0	79.4
77	27.3	20.5	30.7

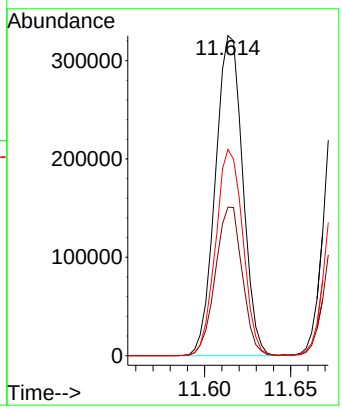




#75
1,3-Dichlorobenzene
Concen: 10.852 ppbv
RT: 11.614 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:146 Resp: 36009

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.0
148	64.0	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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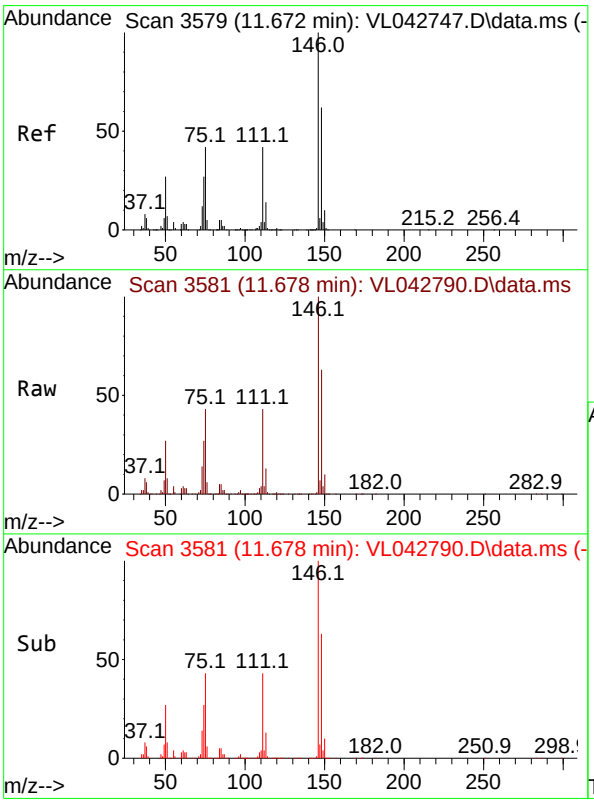
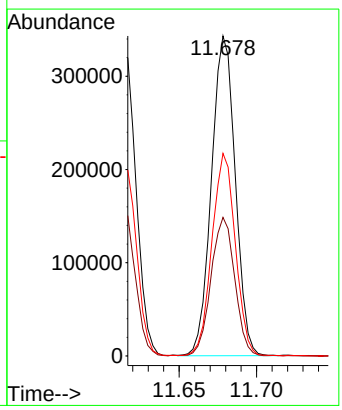
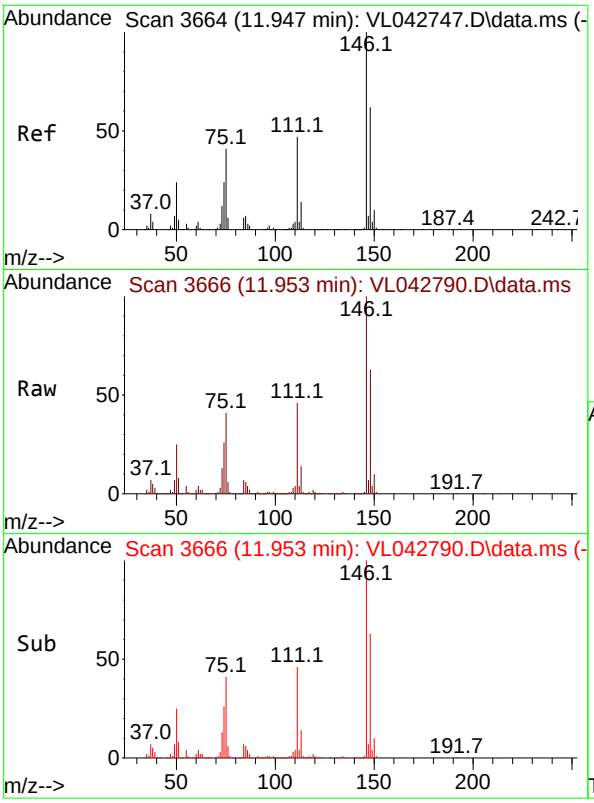


#76
1,4-Dichlorobenzene
Concen: 11.273 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:146 Resp: 366048

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.2
148	62.6	32.1	96.3

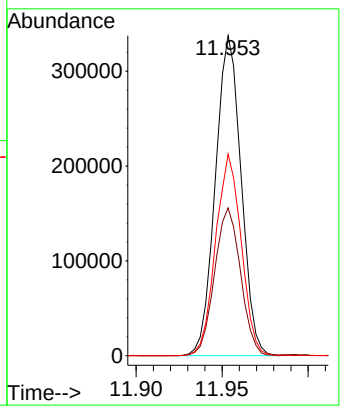




#77
1,2-Dichlorobenzene
Concen: 10.770 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:146 Resp: 35124

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.7	71.1
148	62.8	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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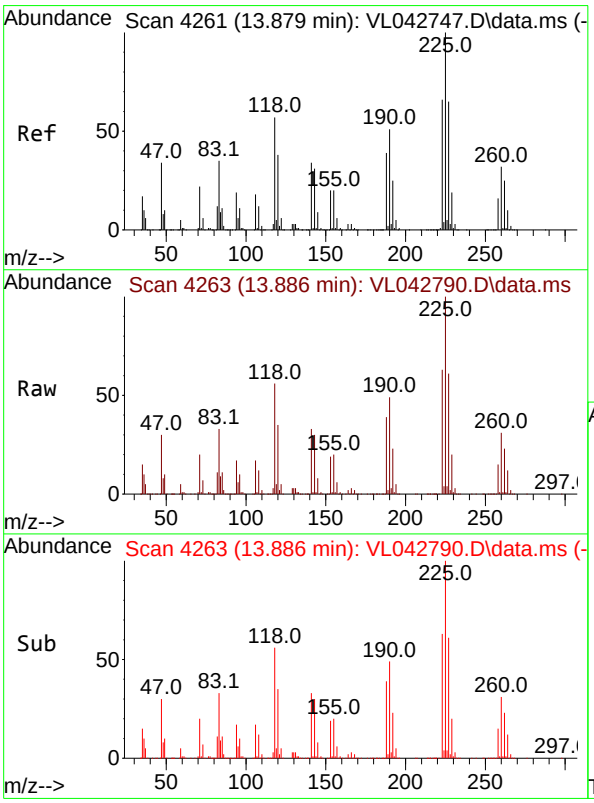
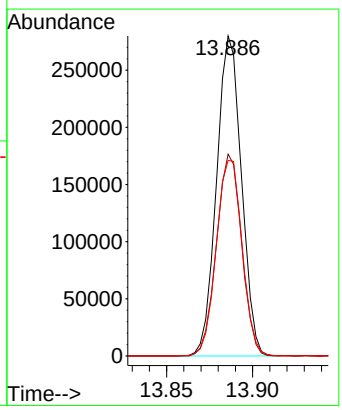
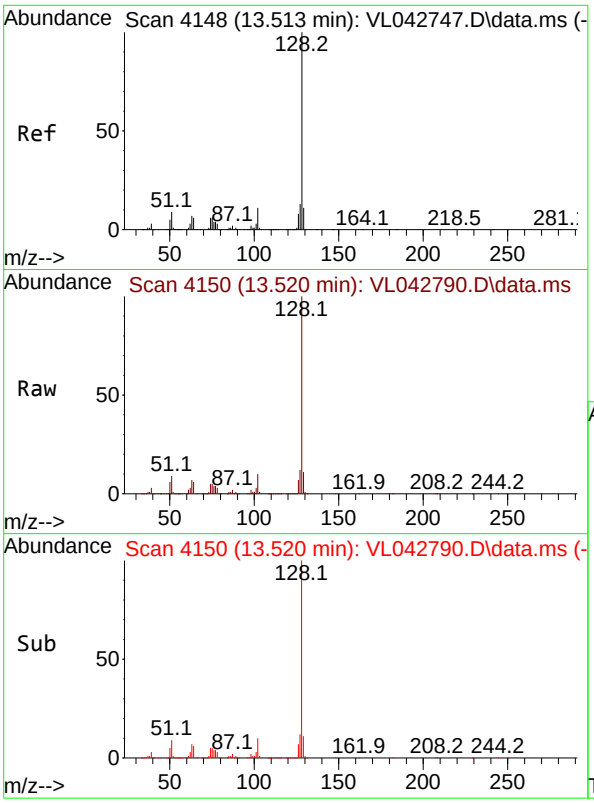


#78
Hexachloro-1,3-Butadiene
Concen: 9.538 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:225 Resp: 281564

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.7	76.1
227	63.9	50.5	75.7

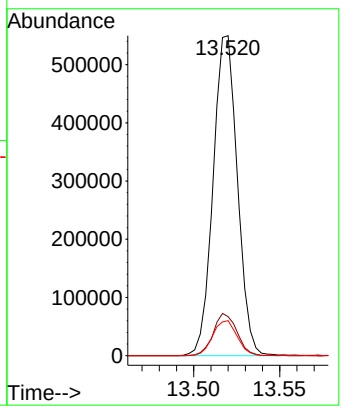




#79
Naphthalene
Concen: 10.494 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:128 Resp: 54012

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	10.9	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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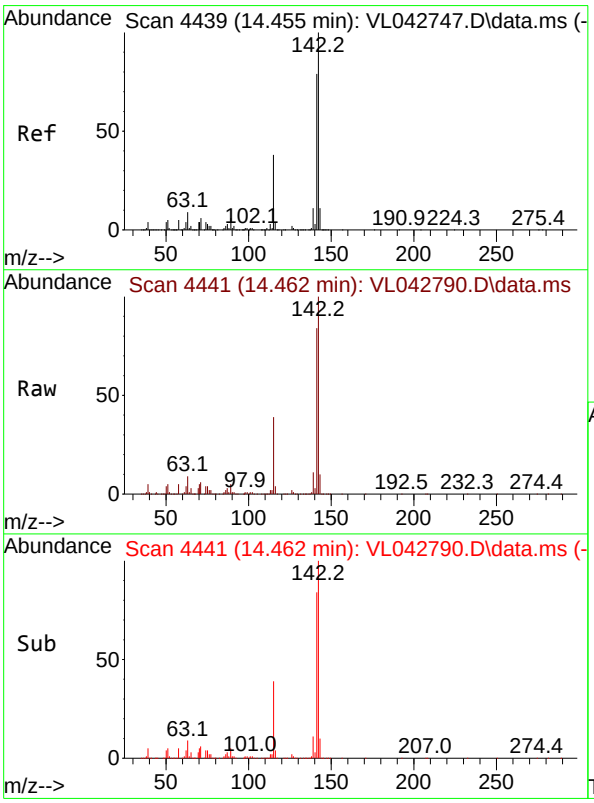
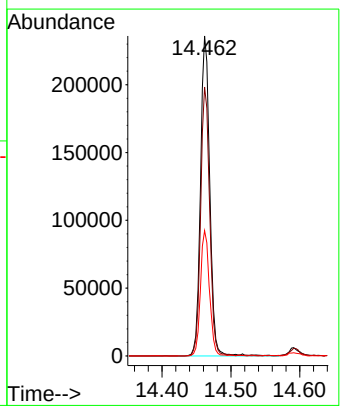
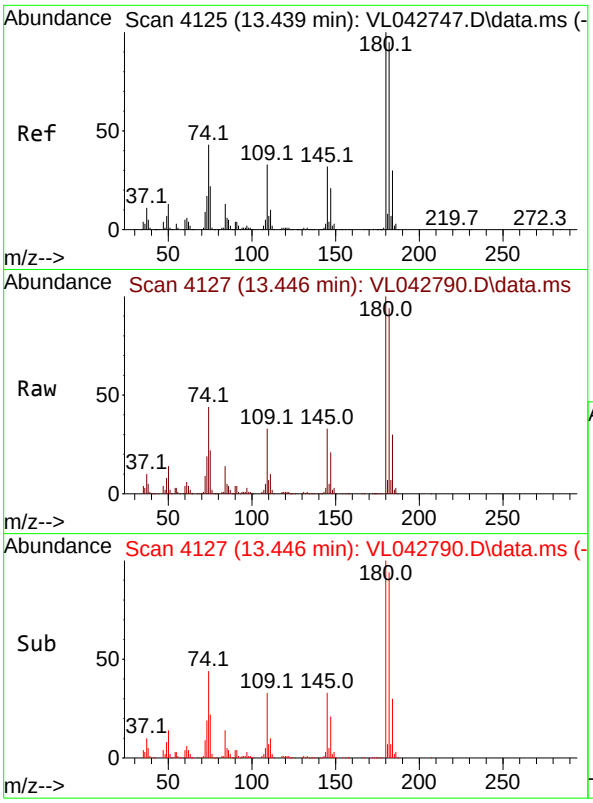


#80
Naphthalene,2-methyl-
Concen: 8.786 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:142 Resp: 221690

Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.8	98.8
115	38.3	31.2	46.8

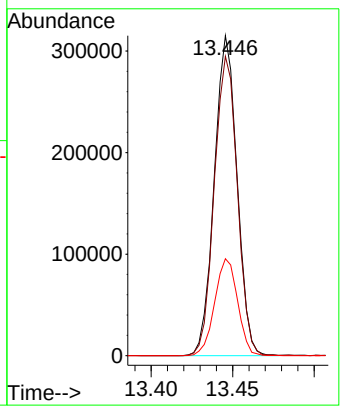




#81
1,2,4-Trichlorobenzene
Concen: 10.565 ppbv
RT: 13.446 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:180 Resp: 30569

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	30.5	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Manual Integrations
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Supervised By :Mahesh Dadoda 08/01/2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042851.D	1		08/13/25 14:32	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	9.40	33.2		0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	9.30	46.0		0.54	2.47	ug/m3
64-17-5	Ethanol	7.50	14.1		0.60	0.94	ug/m3
74-87-3	Chloromethane	9.00	18.6		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.70	22.2		0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	9.20	36.5		0.48	1.98	ug/m3
74-83-9	Bromomethane	8.50	33.0		0.31	1.94	ug/m3
75-00-3	Chloroethane	8.90	23.5		0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.20	27.1		0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.10	51.1		0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.20	70.5		1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.50	66.4		1.05	3.49	ug/m3
593-60-2	Bromoethene	9.20	40.2		0.87	2.19	ug/m3
115-07-1	Propene	8.70	14.9		0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	8.70	26.4		0.49	1.52	ug/m3
142-82-5	Heptane	9.10	37.3		0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	8.50	20.9		0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.59	1.98	ug/m3
67-64-1	Acetone	7.40	17.6		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	9.10	28.3		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.60	34.6		0.83	1.80	ug/m3
75-09-2	Methylene Chloride	7.40	25.7		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.10	36.1		0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	9.70	34.9		0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	9.00	36.4		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.30	32.0		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.00	26.5		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.30	58.5		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.20	36.5		0.40	1.98	ug/m3
67-66-3	Chloroform	9.50	46.4		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.40	51.3		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.00	42.0		0.65	2.34	ug/m3
71-43-2	Benzene	9.40	30.0		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	9.90	40.1		0.36	2.02	ug/m3
79-01-6	Trichloroethene	8.90	47.8		0.11	0.16	ug/m3

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042851.D	1		08/13/25 14:32	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	9.30	43.0		0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	9.50	63.6		0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	9.30	38.1		0.41	2.05	ug/m3
108-88-3	Toluene	9.20	34.7		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	9.30	42.2		0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	9.30	42.2		0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.40	51.3		0.44	2.73	ug/m3
591-78-6	2-Hexanone	9.40	38.5		0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	9.40	80.1		0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.30	71.5		0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	8.40	57.0		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.30	42.8		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	9.40	40.8		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	18.8	81.7		1.78	4.34	ug/m3
1330-20-7	Total Xylenes	28.1	122		2.69	6.52	ug/m3
95-47-6	o-Xylene	9.30	40.4		0.91	2.17	ug/m3
100-42-5	Styrene	9.40	40.0		0.68	2.13	ug/m3
75-25-2	Bromoform	9.20	95.1		0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	9.30	45.7		0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.00	61.8		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	9.20	47.6		0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.20	45.2		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.00	44.3		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.00	54.1		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.00	54.1		0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	8.90	53.5		0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	8.80	65.3		1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	7.50	80.0		1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	8.40	18.6		0.11	1.11	ug/m3
91-20-3	Naphthalene	8.90	46.6		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	9.30	45.7		1.03	2.46	ug/m3
110-54-3	Hexane	9.20	32.4		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	8.90	27.9		0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	8.80	31.7		0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	8.50	44.0		0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	9.00	36.9		0.57	2.05	ug/m3

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0813ABS01	SDG No.:	Q2727
Lab Sample ID:	VL0813ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042851.D	1		08/13/25 14:32	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	117000			2.793		
540-36-3	1,4-Difluorobenzene	368000			3.968		
3114-55-4	Chlorobenzene-d5	322000			8.895		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	116881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	368200	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	244955	10.134	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	159958	9.338	ppbv	100
3) Chlorodifluoromethane	1.479	51	177225	9.360	ppbv	100
4) Chloromethane	1.534	50	62240	9.004	ppbv	99
5) Vinyl Chloride	1.583	62	59335	8.716	ppbv	99
6) Bromomethane	1.670	94	23152	8.505	ppbv	97
7) Chloroethane	1.706	64	23657	8.898	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	132763	9.471	ppbv	95
9) Propene	1.486	41	71030	8.686	ppbv	97
10) Heptane	4.991	43	199706	9.118	ppbv	98
11) Trichlorofluoromethane	1.881	101	153519	9.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	123905	9.198	ppbv	97
13) Ethanol	1.725	45	5608	7.501	ppbv	100
14) Bromoethene	1.784	108	45076	9.244	ppbv	98
15) Acetone	1.839	43	115155	7.448	ppbv	100
16) 1,3-Butadiene	1.612	39	58958	8.412	ppbv	99
17) tert-Butyl alcohol	2.043	59	158939	8.668	ppbv	99
18) 1,1-Dichloroethene	2.036	96	55494	9.371	ppbv	97
19) Isopropyl Alcohol	1.890	45	78860	8.540	ppbv	100
20) Methylene Chloride	2.065	84	48184	7.439	ppbv	90
21) Allyl Chloride	2.101	41	96710	8.854	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62464	9.117	ppbv	94
23) Vinyl Acetate	2.467	43	206801	9.728	ppbv	99
24) 1,1-Dichloroethane	2.415	63	123052	8.993	ppbv	98
25) Ethyl Acetate	2.842	43	344281	9.200	ppbv	99
26) Hexane	2.832	57	159005	9.206	ppbv	97
27) Carbon Disulfide	2.156	76	153403	9.126	ppbv #	91
28) Methyl tert-Butyl Ether	2.444	73	84816	9.630	ppbv	93
29) Chloroform	2.855	83	234067	9.492	ppbv	99
30) Cyclohexane	3.865	84	140375	9.270	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	158712	9.199	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	245800	9.431	ppbv	100
34) 2-Butanone	2.560	43	224149	9.016	ppbv	100
35) Carbon Tetrachloride	3.771	117	235598	9.281	ppbv	96
36) Benzene	3.664	78	330026	9.360	ppbv	99
37) 1,2-Dichloroethane	3.227	62	181878	9.874	ppbv	98
38) Trichloroethene	4.557	130	144018	8.944	ppbv	95
39) 1,2-Dichloropropane	4.324	63	119442	9.275	ppbv	97
40) 1,4-Dioxane	4.593	88	54081m	8.832	ppbv	
41) Tetrahydrofuran	3.059	42	127578	9.204	ppbv	98
42) Bromodichloromethane	4.502	83	261380	9.522	ppbv	98
43) Methyl Methacrylate	4.894	69	131335	9.042	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	540935	9.039	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	152588	9.309	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	189646	9.285	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	127667	9.357	ppbv	97
48) Dibromochloromethane	7.402	129	207804	9.412	ppbv	100
49) Bromoform	9.493	173	168015	9.228	ppbv	100
50) 4-Methyl-2-Pentanone	5.768	43	312046	9.286	ppbv	100
51) 2-Hexanone	7.448	43	248690	9.404	ppbv	98
52) Tetrachloroethene	8.238	164	107577	8.434	ppbv	94
53) Toluene	6.949	91	386291	9.216	ppbv	100
54) 1,2-Dibromoethane	7.665	107	184932	9.275	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.937	131	156352	9.381	ppbv	98
57) Chlorobenzene	8.933	112	285789	9.326	ppbv	98
58) Ethyl Benzene	9.367	91	534013	9.389	ppbv	99
59) m/p-Xylene	9.565	91	837335m	18.783	ppbv	
60) o-Xylene	9.976	91	417423	9.308	ppbv	100
61) Styrene	9.882	104	197790	9.414	ppbv	99
62) Isopropylbenzene	10.548	105	607606	9.271	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	221716	8.990	ppbv	100
64) n-propylbenzene	10.998	120	153914	9.205	ppbv	98
65) tert-Butylbenzene	11.539	119	518992	8.983	ppbv	98
66) Benzyl Chloride	11.623	91	62299	8.494	ppbv	99
67) sec-Butylbenzene	11.775	105	741280	9.141	ppbv	99
69) p-Isopropyltoluene	11.934	119	612316	8.795	ppbv	98
70) n-Butylbenzene	12.290	91	629840	9.122	ppbv	98
71) 2-Chlorotoluene	10.911	91	467569	9.188	ppbv	98
72) 4-Ethyltoluene	11.134	105	505391	9.297	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	425759	9.210	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	456933	9.005	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	259541	8.997	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	261302	8.957	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	250432	8.866	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	173363	7.488	ppbv	98
79) Naphthalene	13.520	128	410796	8.930	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	145644	8.473	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	204023	8.824	ppbv	99

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

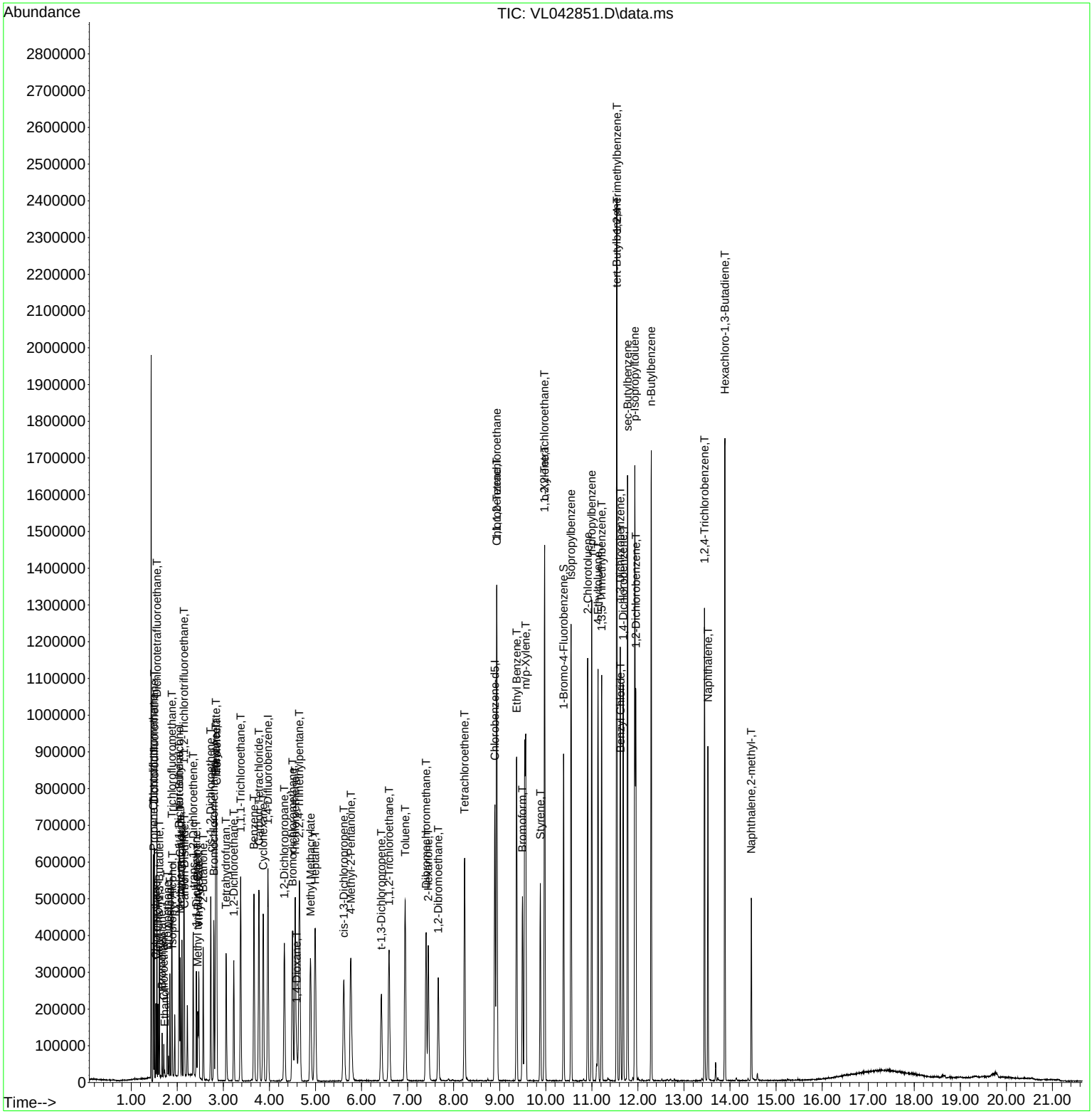
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

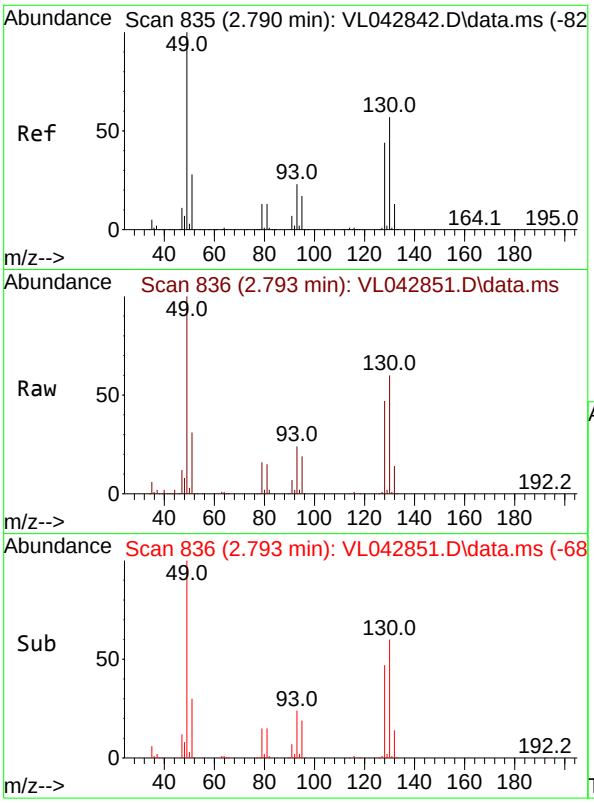
Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

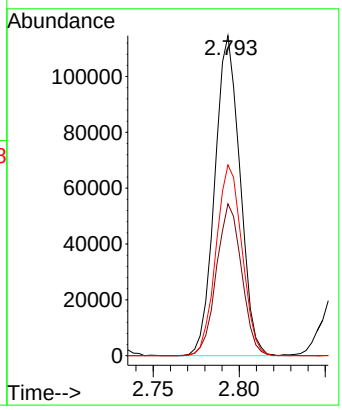




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 49 Resp: 11688

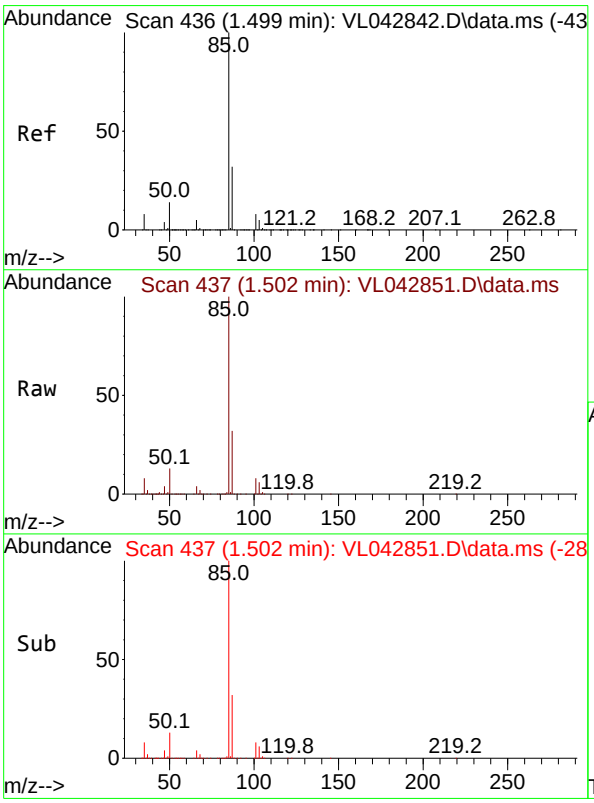
Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.7	71.1
130	61.4	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations
APPROVED

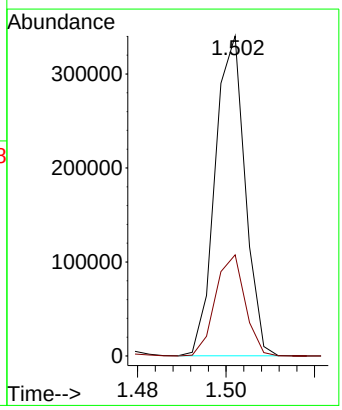
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

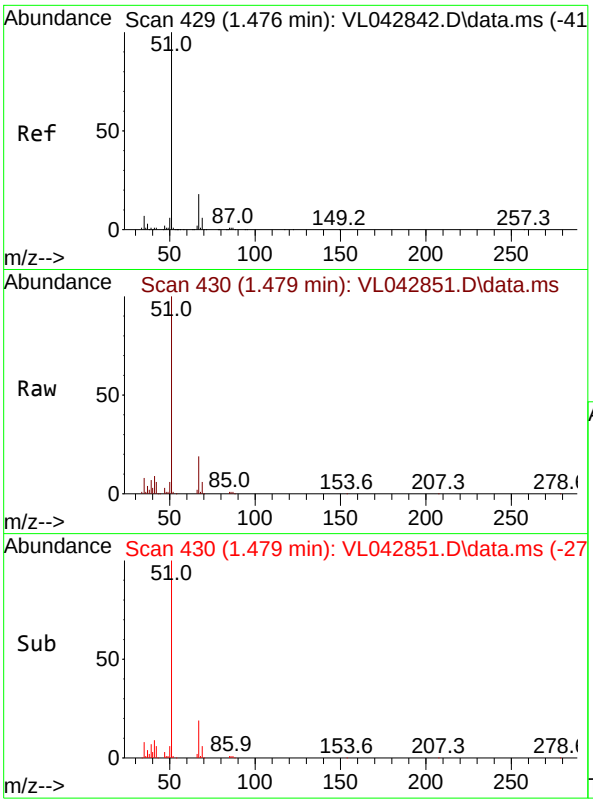


#2
Dichlorodifluoromethane
Concen: 9.338 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 159958

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9

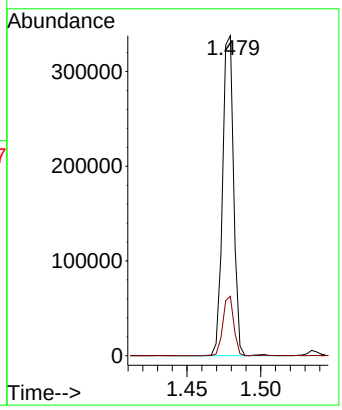




#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 51 Resp: 17722

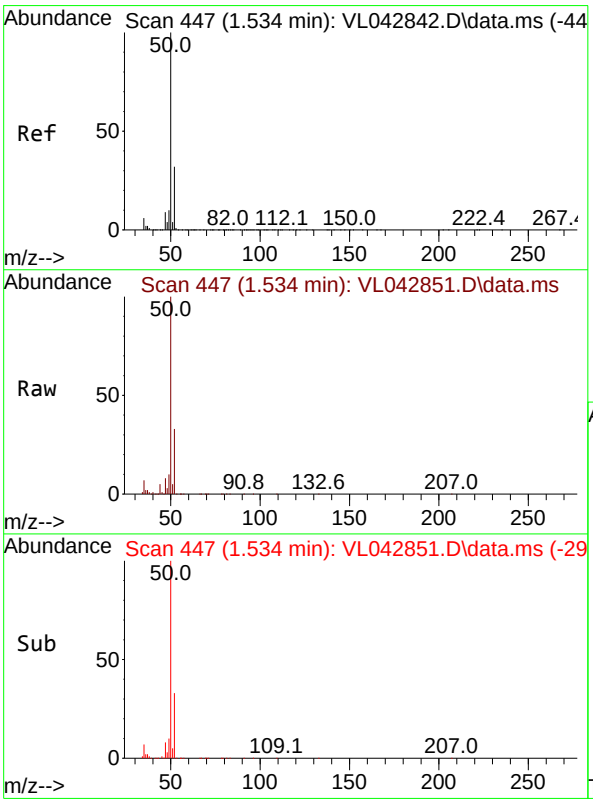
Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations
APPROVED

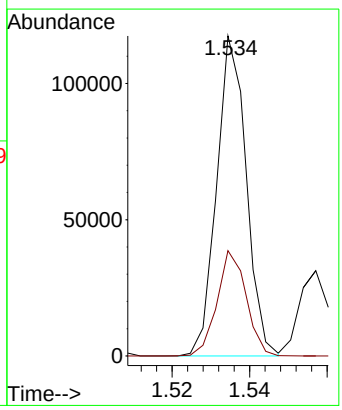
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

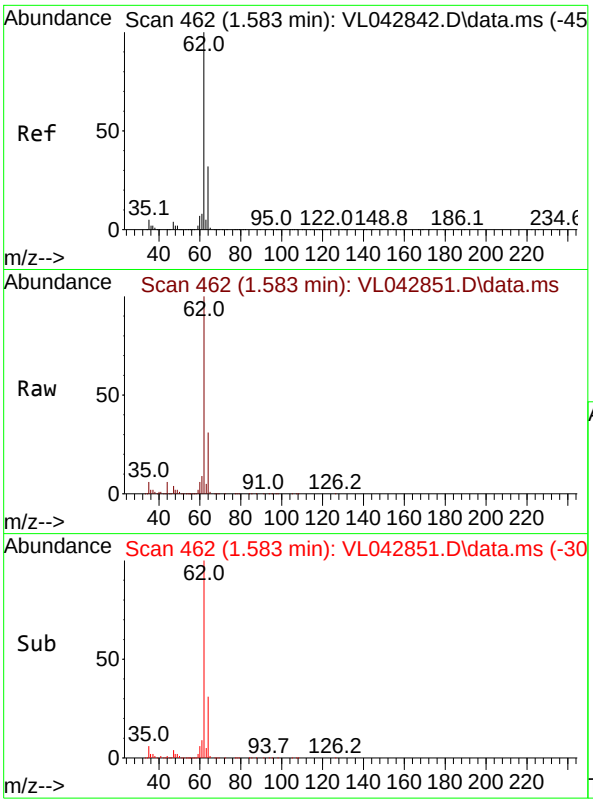


#4
Chloromethane
Concen: 9.004 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 50 Resp: 62240

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9

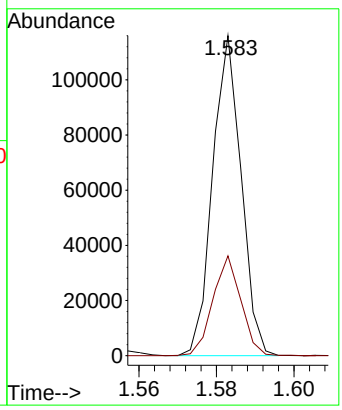




#5
Vinyl Chloride
Concen: 8.716 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 62 Resp: 5933

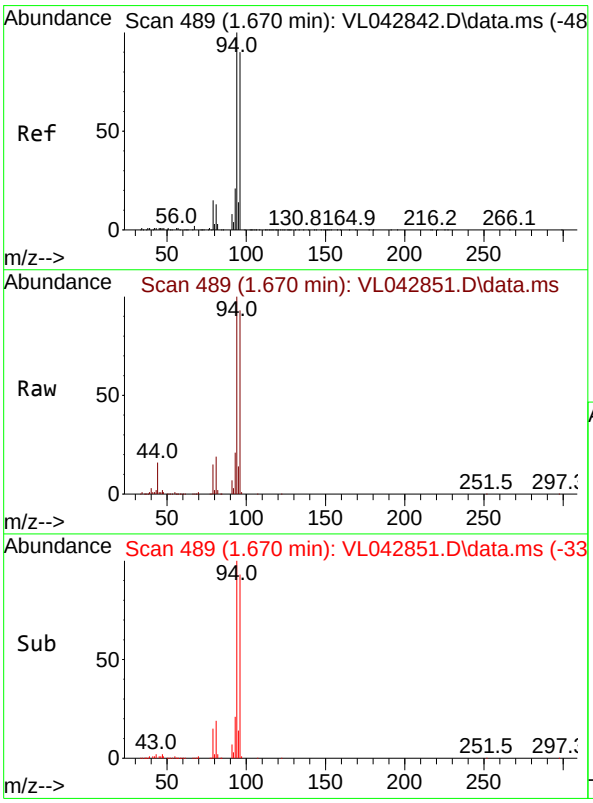
Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations
APPROVED

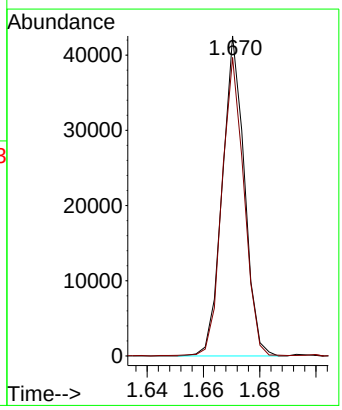
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

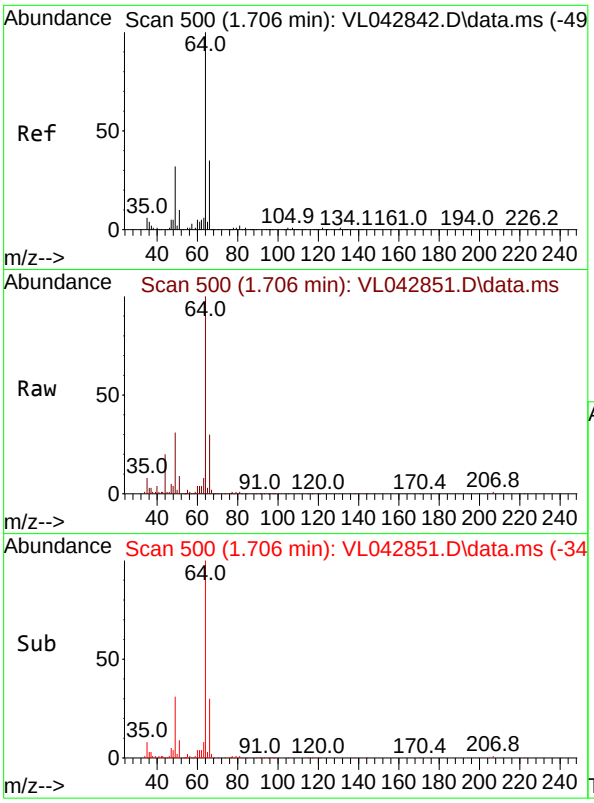


#6
Bromomethane
Concen: 8.505 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 94 Resp: 23152

Ion	Ratio	Lower	Upper
94	100		
96	93.1	72.1	108.1

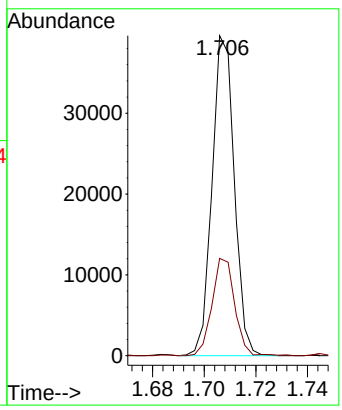




#7
Chloroethane
Concen: 8.898 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 64 Resp: 2365

Ion	Ratio	Lower	Upper
64	100		
66	30.4	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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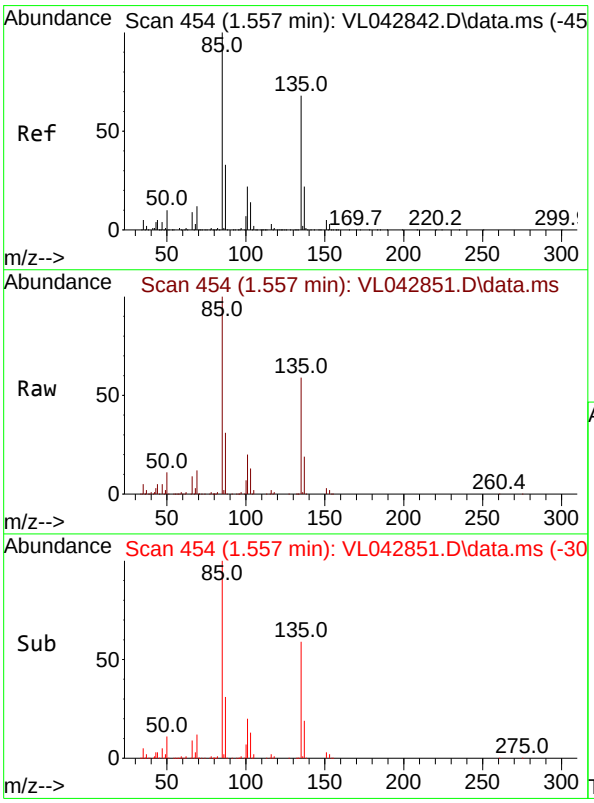
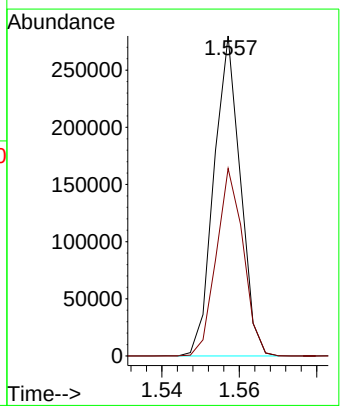
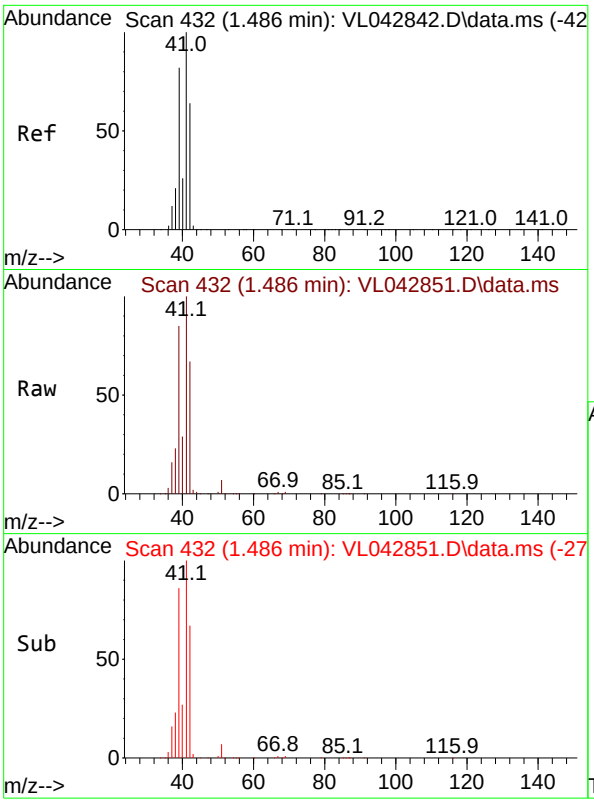


#8
Dichlorotetrafluoroethane
Concen: 9.471 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 132763

Ion	Ratio	Lower	Upper
85	100		
135	59.9	51.2	76.8

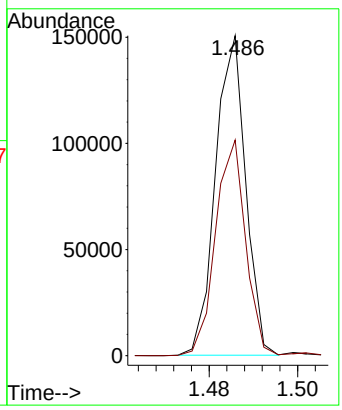




#9
Propene
Concen: 8.686 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 41 Resp: 7103

Ion	Ratio	Lower	Upper
41	100		
42	68.8	53.0	79.4



Instrument :
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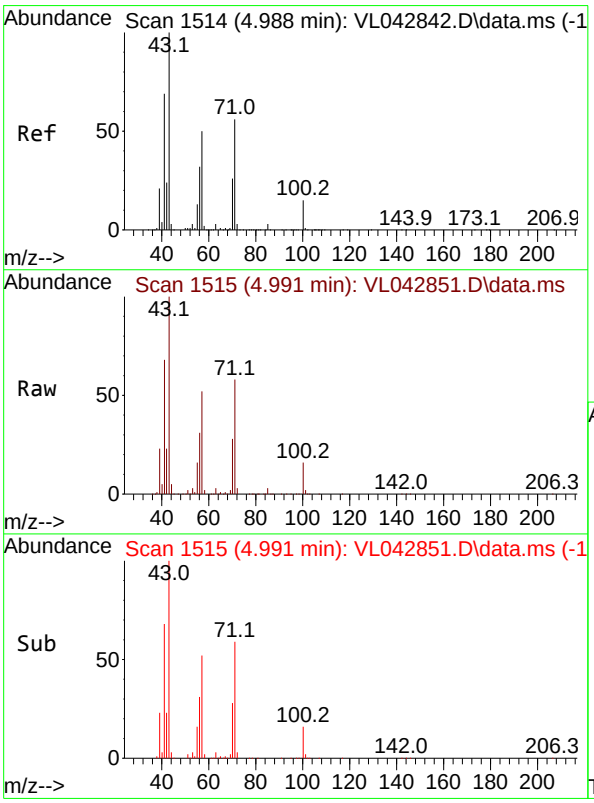
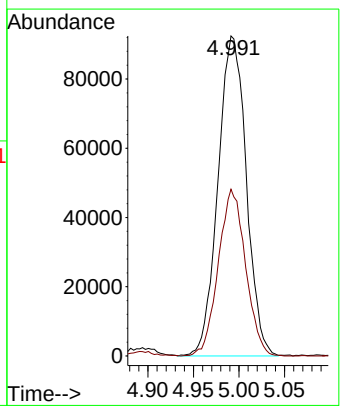
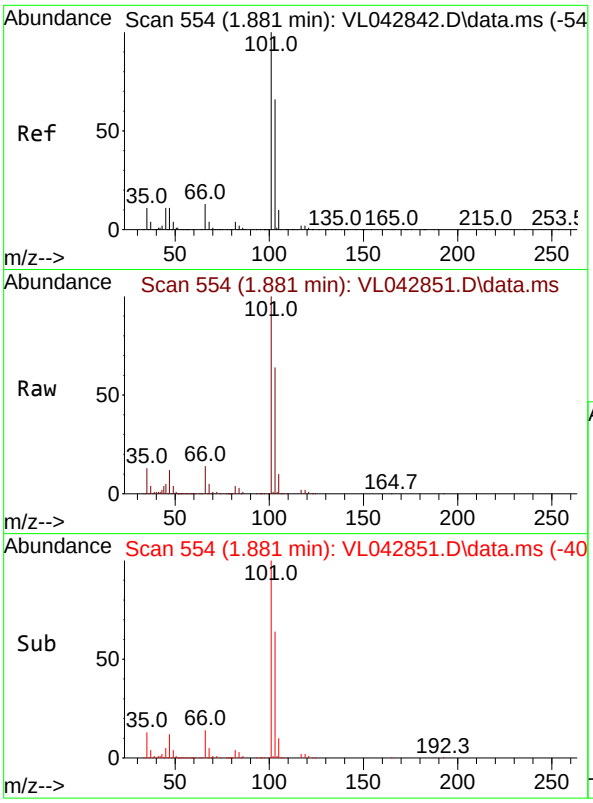


#10
Heptane
Concen: 9.118 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 199706

Ion	Ratio	Lower	Upper
43	100		
57	50.2	41.4	62.0

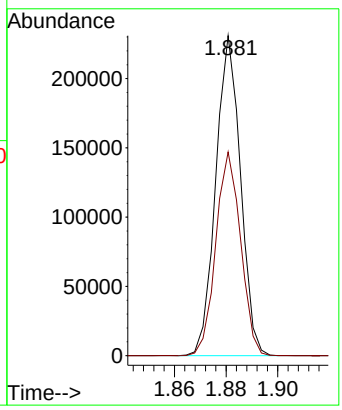




#11
Trichlorofluoromethane
Concen: 9.084 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:101 Resp: 15351

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
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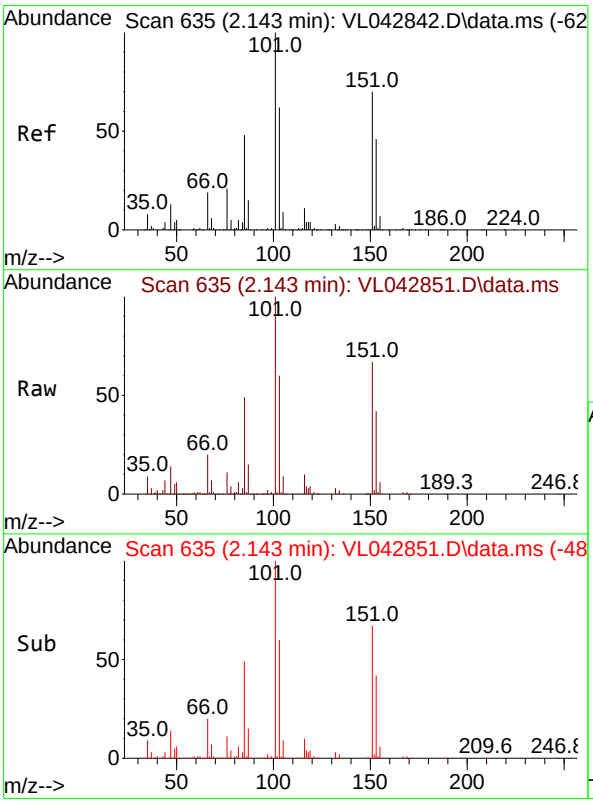
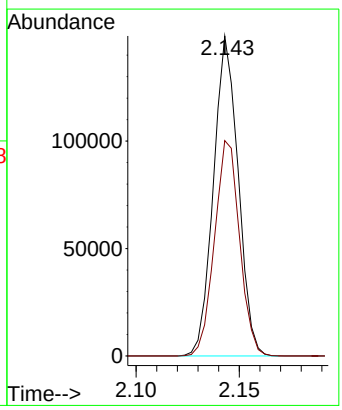
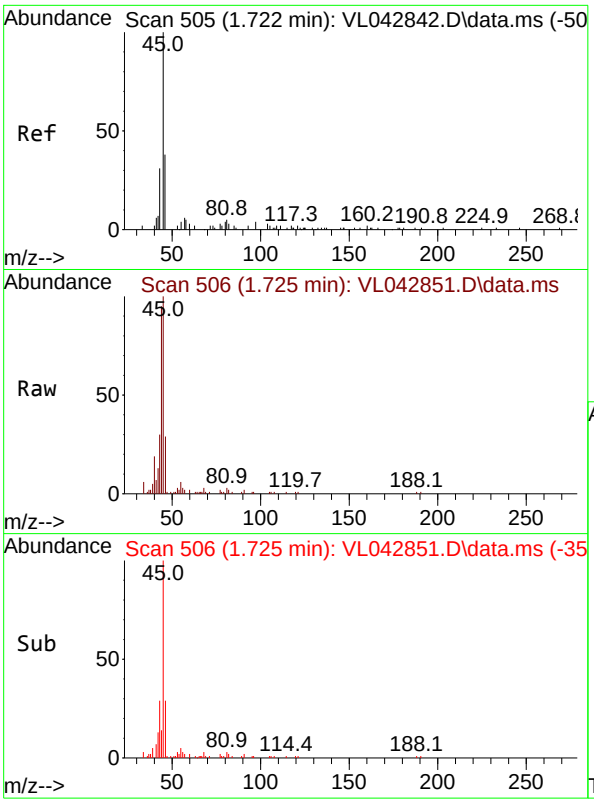


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.198 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:101 Resp: 123905

Ion	Ratio	Lower	Upper
101	100		
151	68.3	56.4	84.6





#13
Ethanol
Concen: 7.501 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 45 Resp: 560

Ion	Ratio	Lower	Upper
45	100		
46	43.8	17.5	69.9

Instrument :
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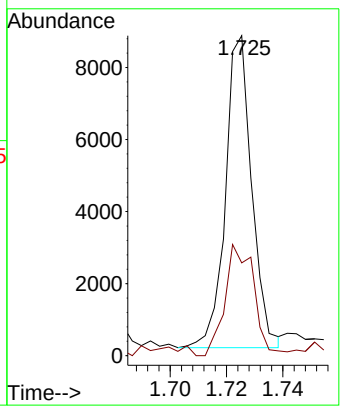
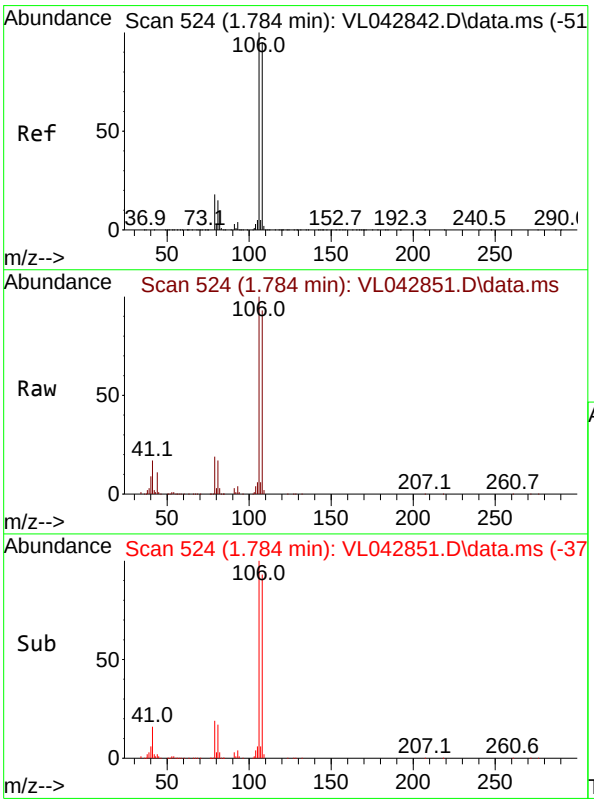
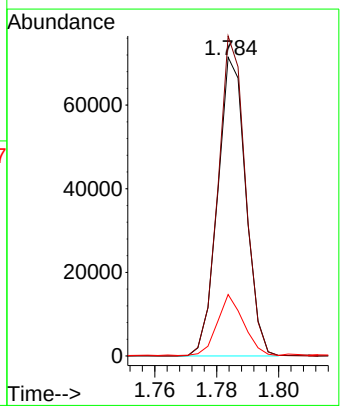


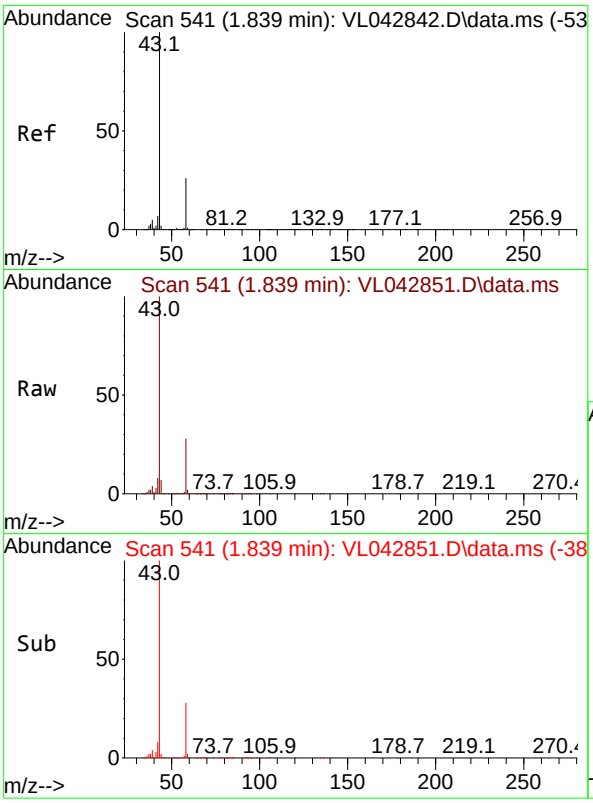


#14
Bromoethene
Concen: 9.244 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:108 Resp: 45076

Ion	Ratio	Lower	Upper
108	100		
106	104.0	85.1	127.7
79	19.6	16.3	24.5





#15
Acetone
Concen: 7.448 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 11515

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.4	33.6

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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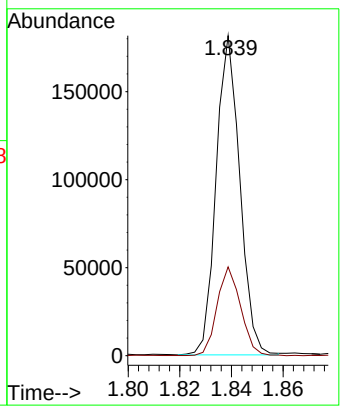
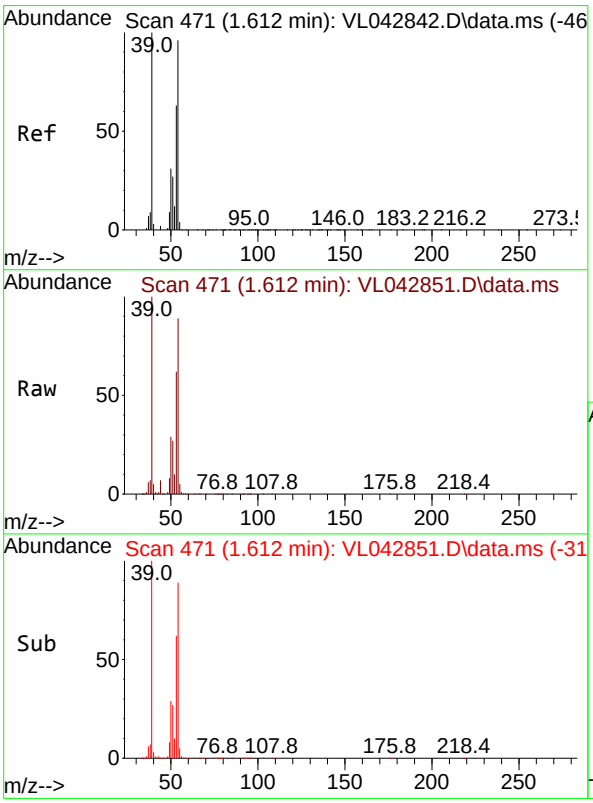
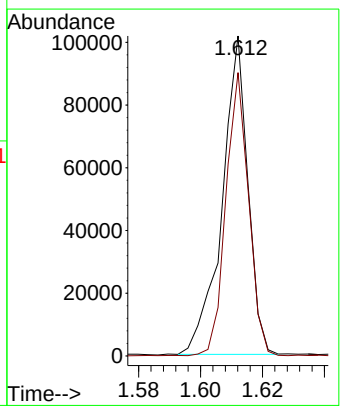


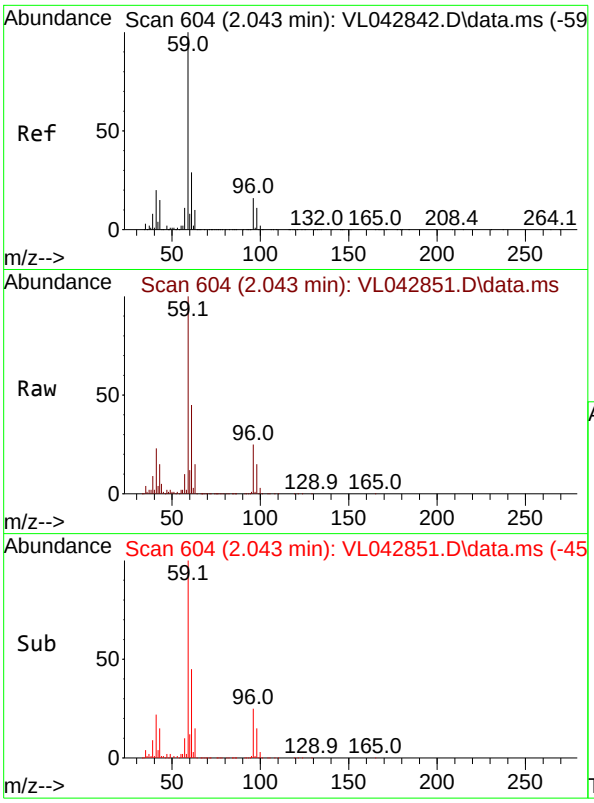


#16
1,3-Butadiene
Concen: 8.412 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 39 Resp: 58958

Ion	Ratio	Lower	Upper
39	100		
54	79.0	63.6	95.4

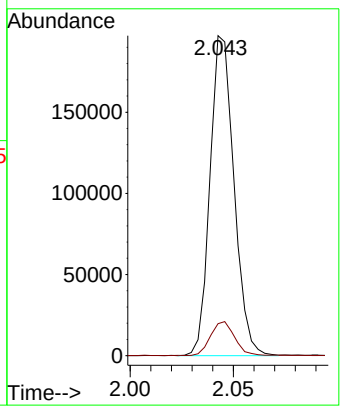




#17
tert-Butyl alcohol
Concen: 8.668 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 59 Resp: 15893

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
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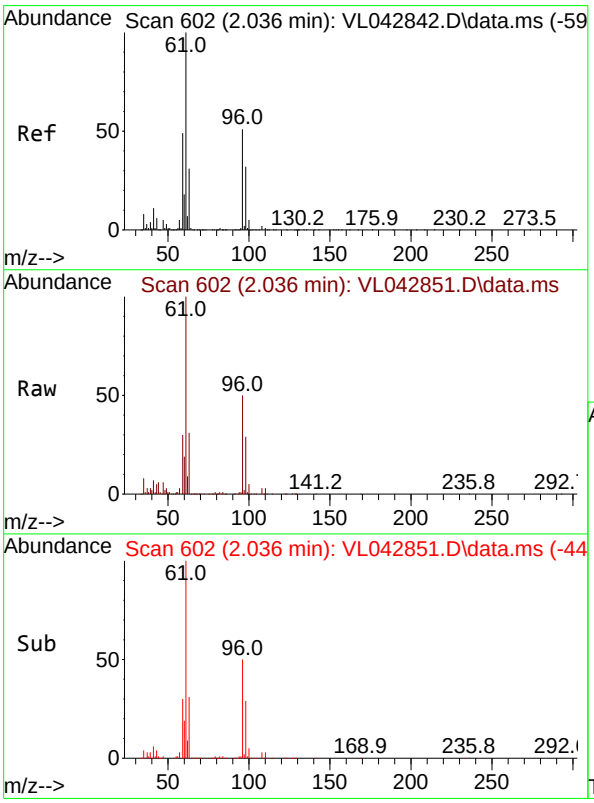
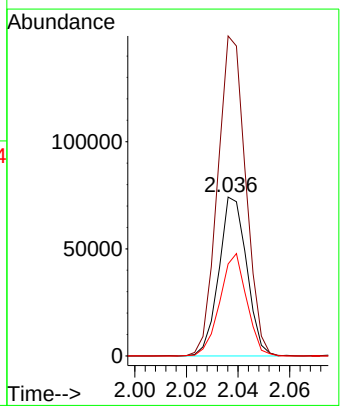
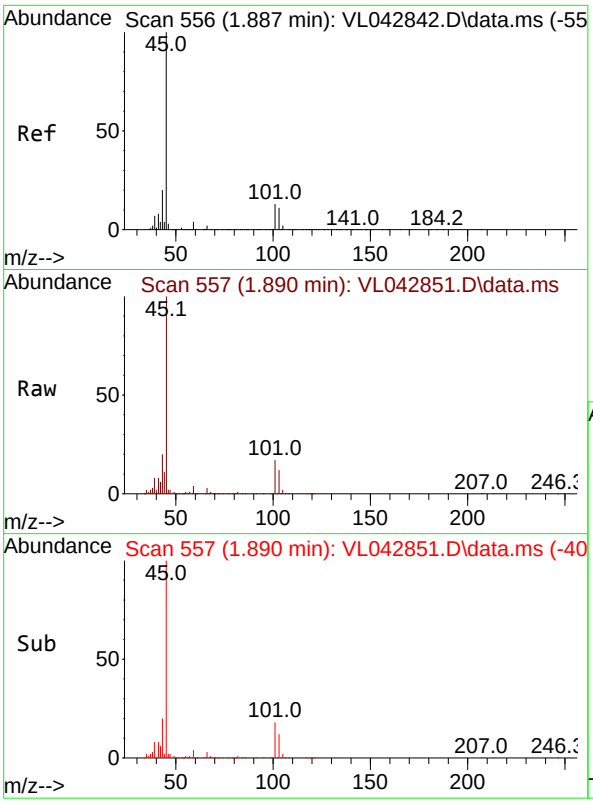


#18
1,1-Dichloroethene
Concen: 9.371 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 96 Resp: 55494

Ion	Ratio	Lower	Upper
96	100		
61	201.4	158.2	237.4
98	58.0	50.6	76.0

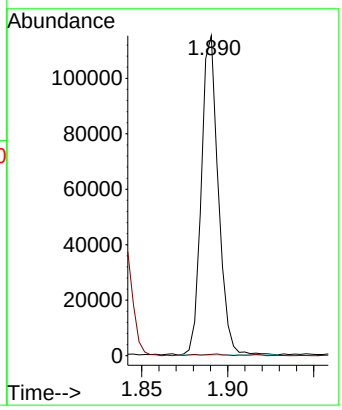




#19
Isopropyl Alcohol
Concen: 8.540 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 45 Resp: 7886

Ion	Ratio	Lower	Upper
45	100		
58	41.0	32.7	49.1



Instrument :
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ClientSampleId :
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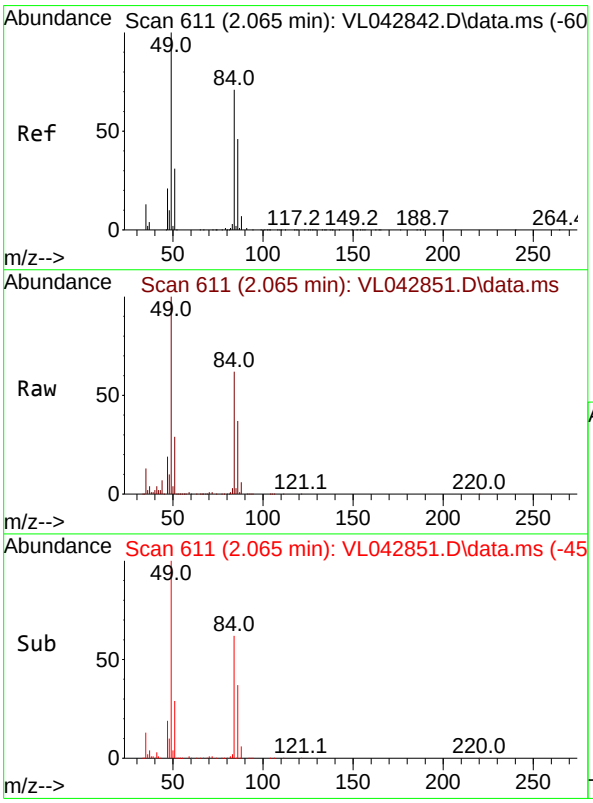
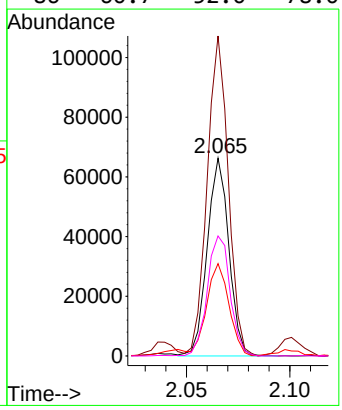
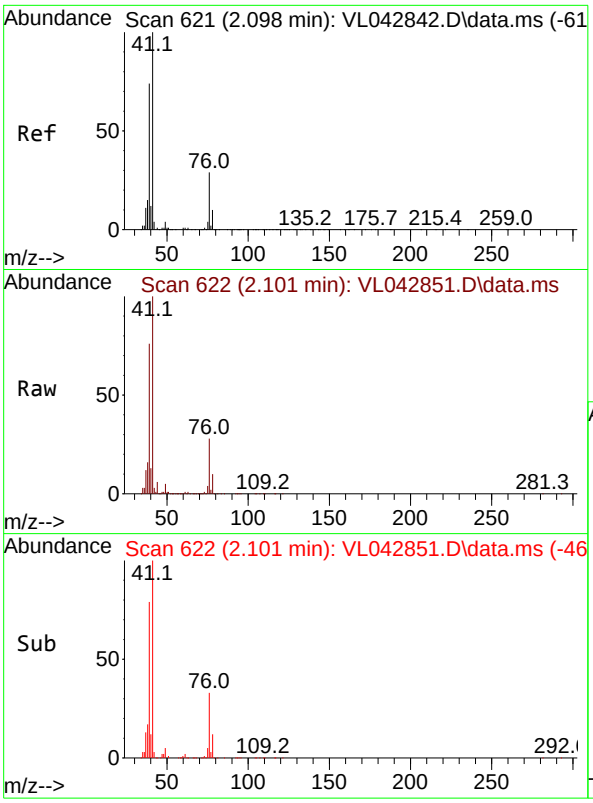


#20
Methylene Chloride
Concen: 7.439 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 84 Resp: 48184

Ion	Ratio	Lower	Upper
84	100		
49	159.6	112.3	168.5
51	45.1	36.0	54.0
86	60.7	52.0	78.0

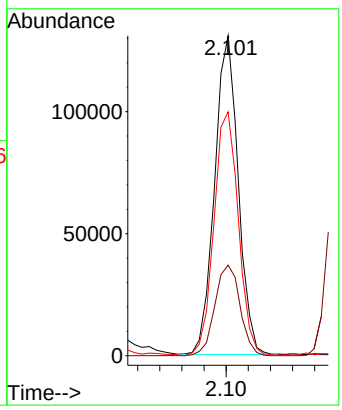




#21
Allyl Chloride
Concen: 8.854 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 41 Resp: 9671

Ion	Ratio	Lower	Upper
41	100		
76	30.3	23.9	35.9
39	78.0	57.8	86.6



Instrument :
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ClientSampleId :
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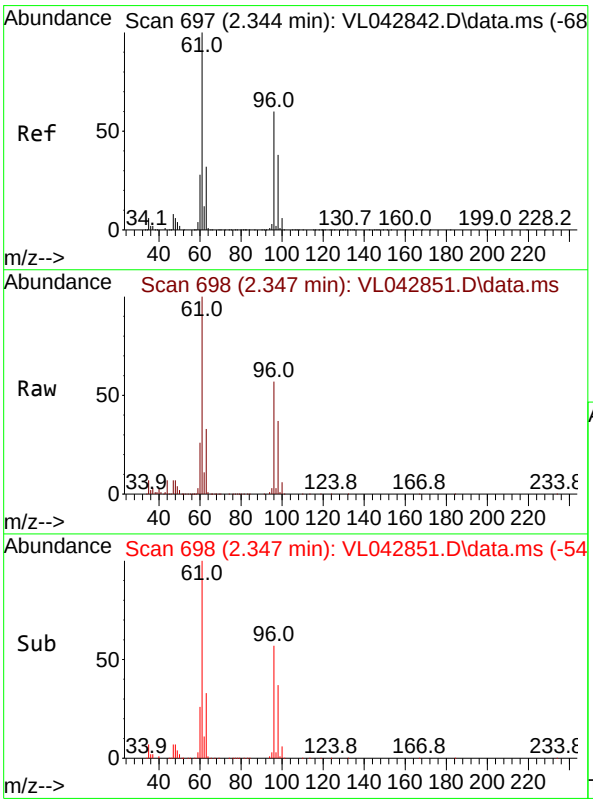
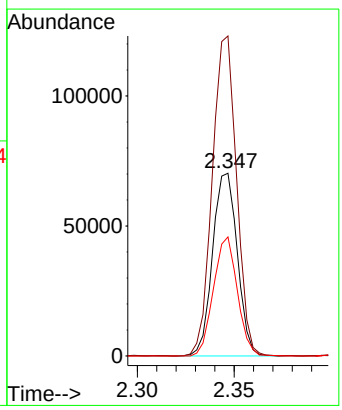
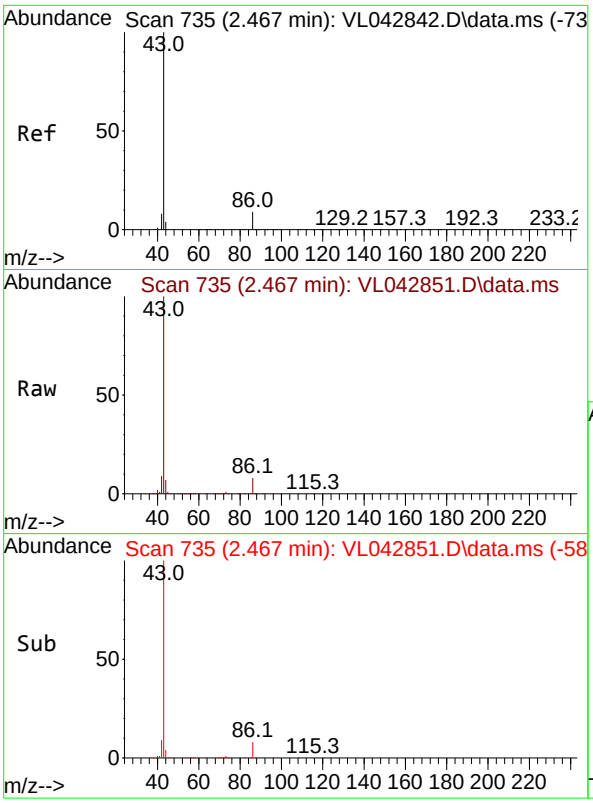


#22
trans-1,2-Dichloroethene
Concen: 9.117 ppbv
RT: 2.347 min Scan# 698
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 96 Resp: 62464

Ion	Ratio	Lower	Upper
96	100		
61	175.1	132.6	199.0
98	65.1	50.0	75.0

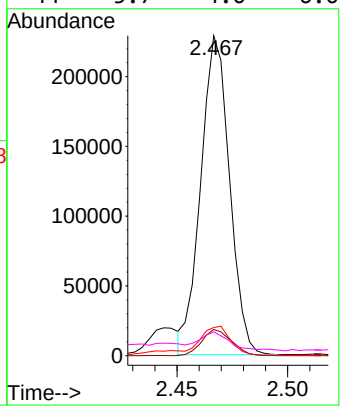




#23
Vinyl Acetate
Concen: 9.728 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 20680

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.7	7.0	10.6
44	5.7	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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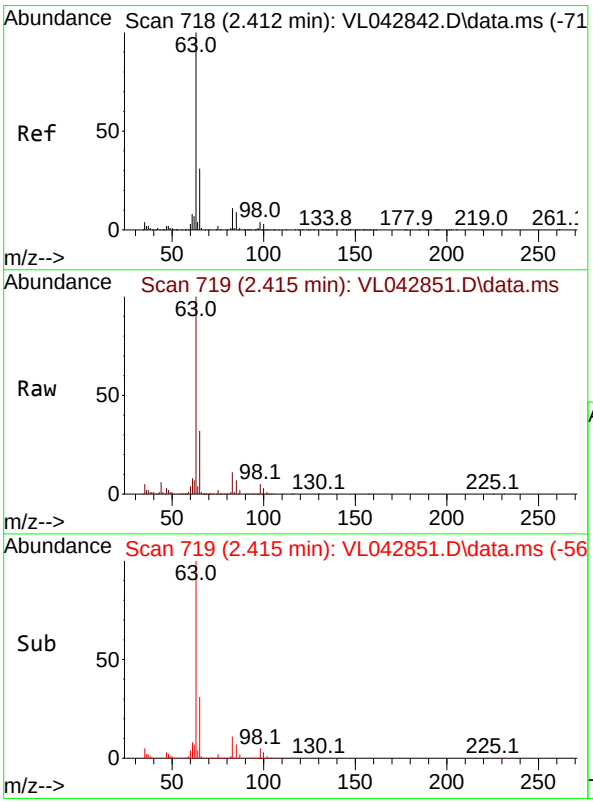
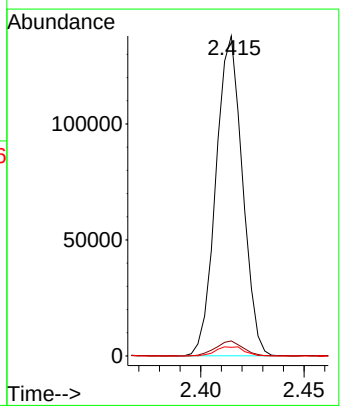
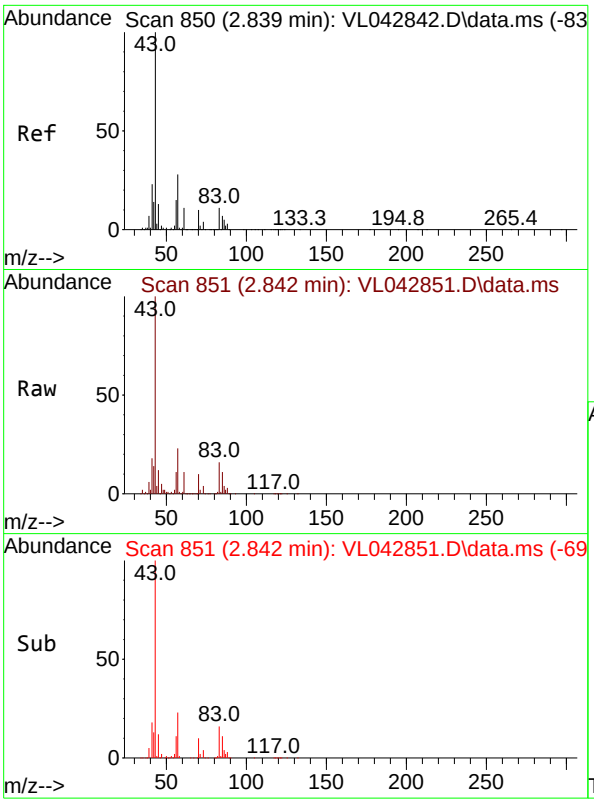


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 63 Resp: 123052

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.7	5.1

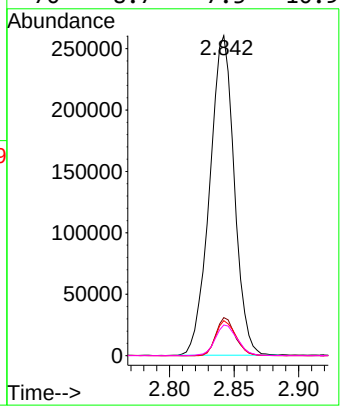




#25
Ethyl Acetate
Concen: 9.200 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 34428

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.1	12.1
61	9.1	7.4	11.2
70	8.7	7.3	10.9



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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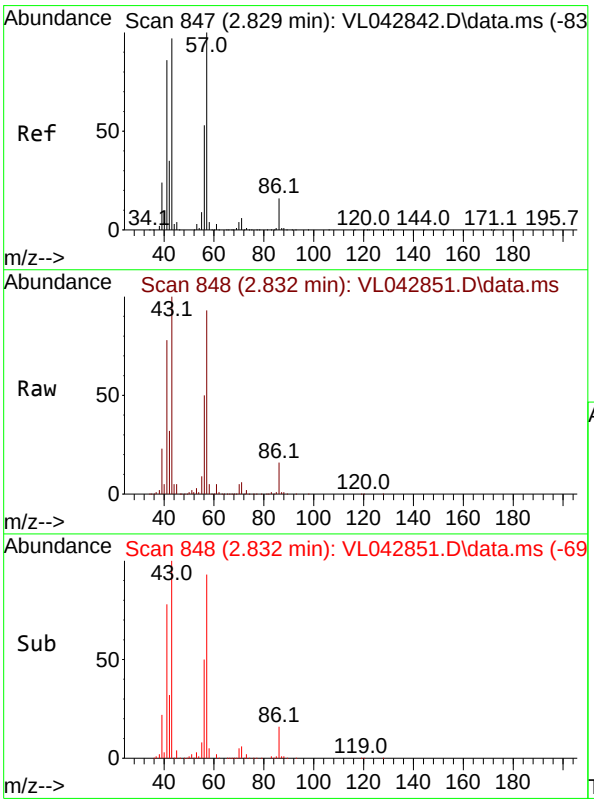
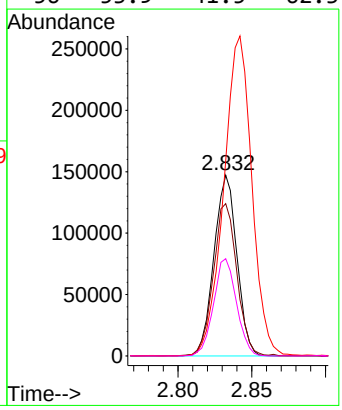
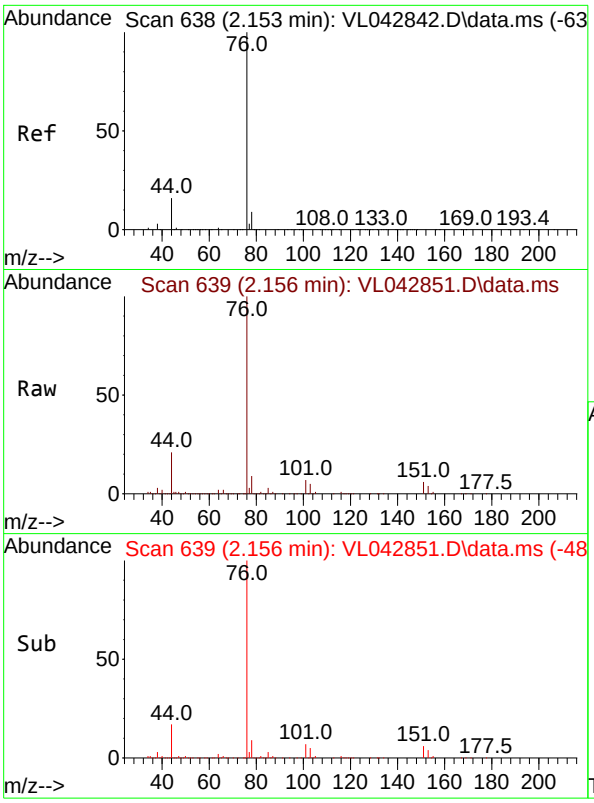


#26
Hexane
Concen: 9.206 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 57 Resp: 159005

Ion	Ratio	Lower	Upper
57	100		
41	87.1	68.6	103.0
43	217.5	168.5	252.7
56	53.9	41.5	62.3

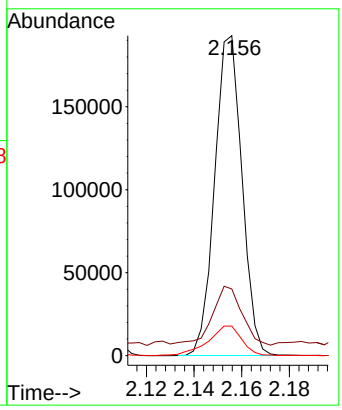




#27
Carbon Disulfide
Concen: 9.126 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 76 Resp: 15340

Ion	Ratio	Lower	Upper
76	100		
44	26.3	15.9	23.9
78	11.6	9.5	14.3



Instrument :
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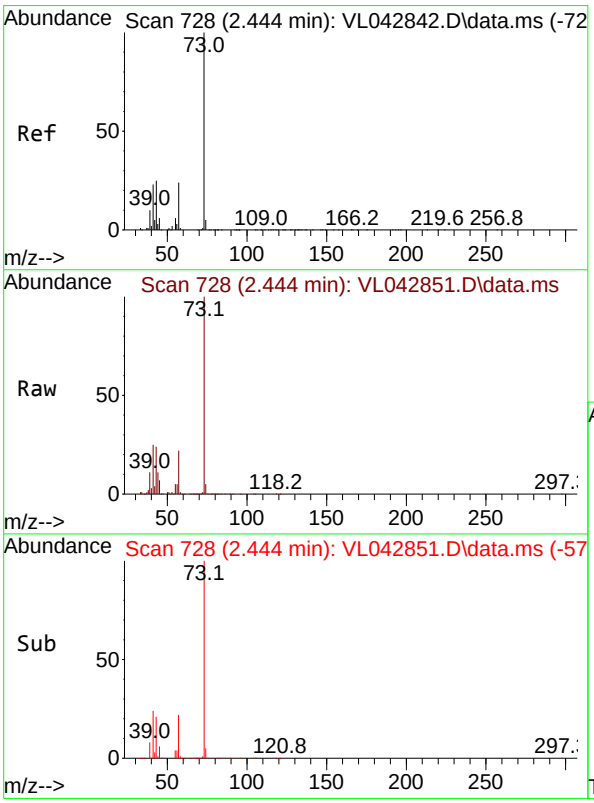
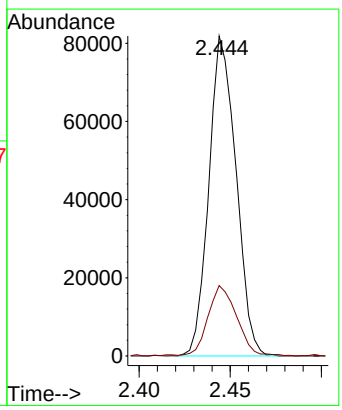
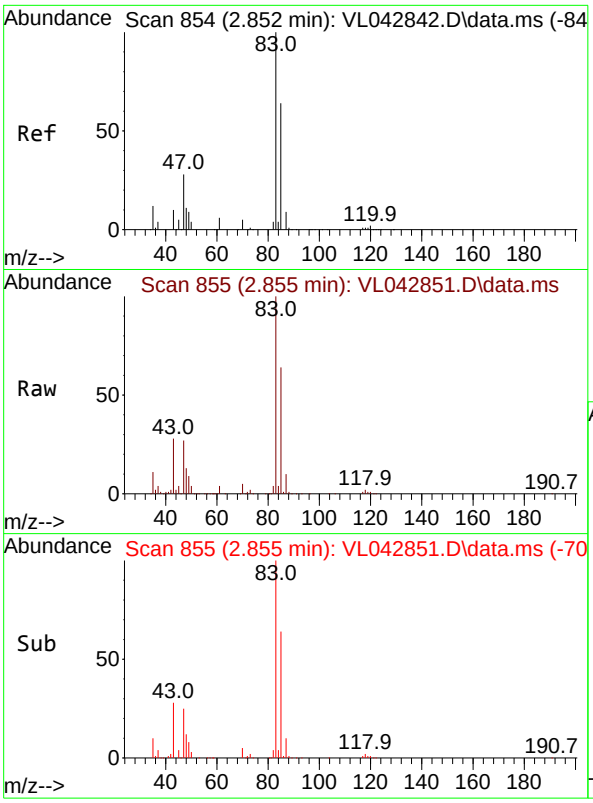


#28
Methyl tert-Butyl Ether
Concen: 9.630 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 73 Resp: 84816

Ion	Ratio	Lower	Upper
73	100		
57	23.2	21.6	32.4

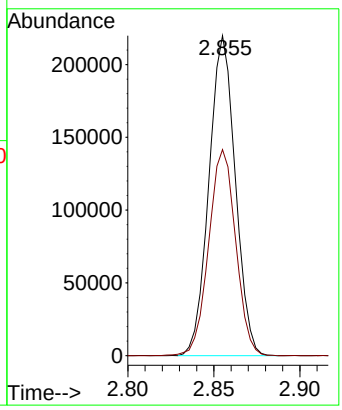




#29
Chloroform
Concen: 9.492 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 83 Resp: 23406

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7



Instrument :
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ClientSampleId :
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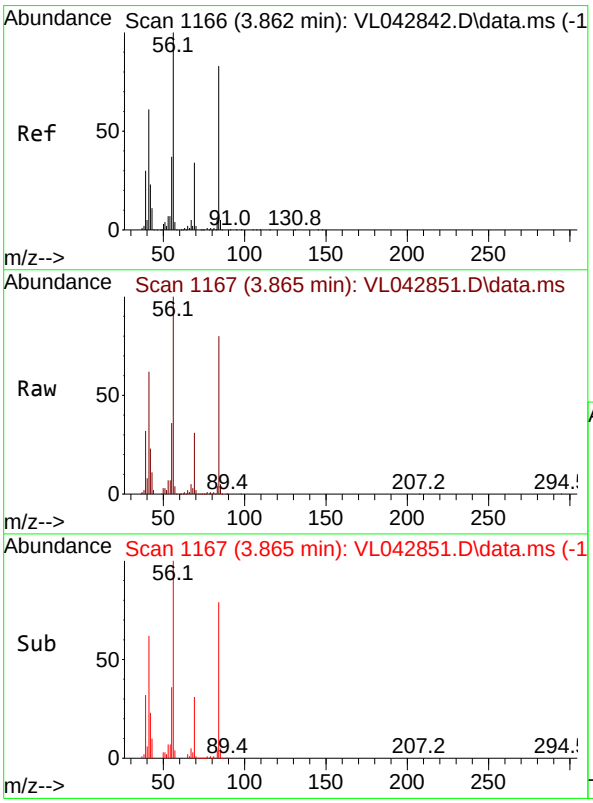
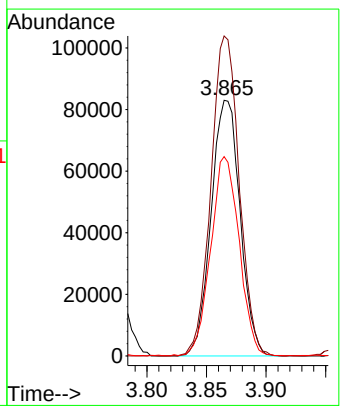
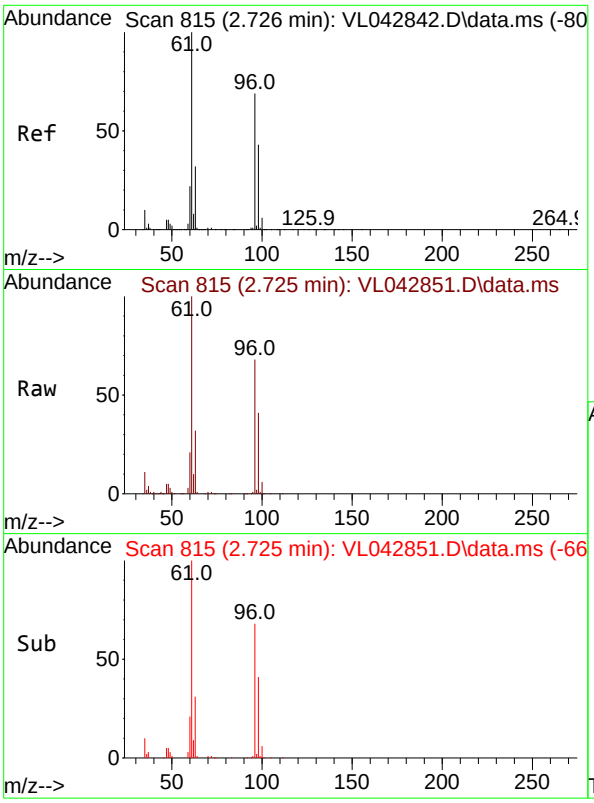


#30
Cyclohexane
Concen: 9.270 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 84 Resp: 140375

Ion	Ratio	Lower	Upper
84	100		
56	122.1	98.8	148.2
41	76.3	61.3	91.9

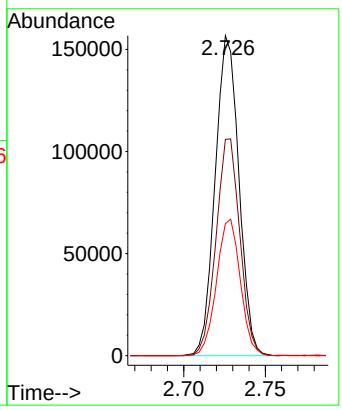




#31
cis-1,2-Dichloroethene
Concen: 9.199 ppbv
RT: 2.725 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 61 Resp: 15871

Ion	Ratio	Lower	Upper
61	100		
96	67.6	55.0	82.6
98	41.3	34.3	51.5



Instrument :
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ClientSampleId :
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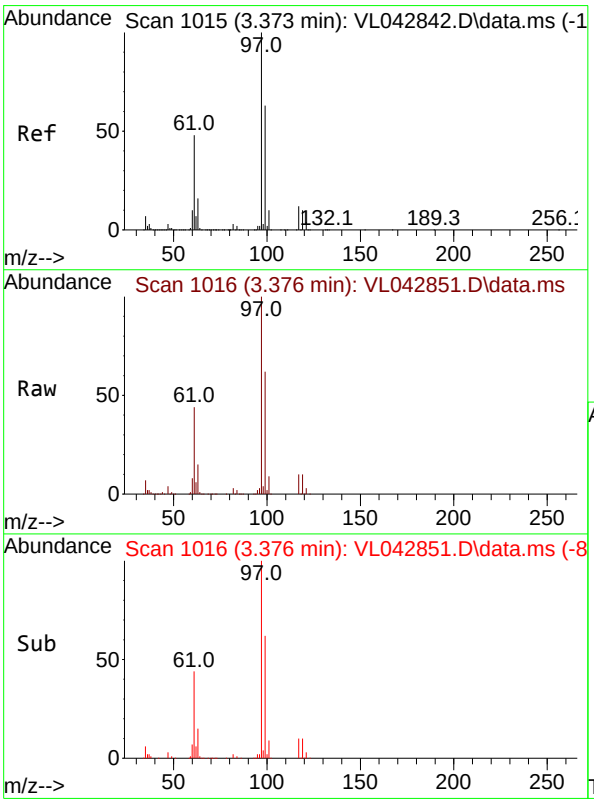
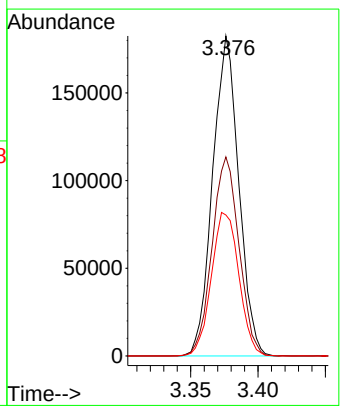
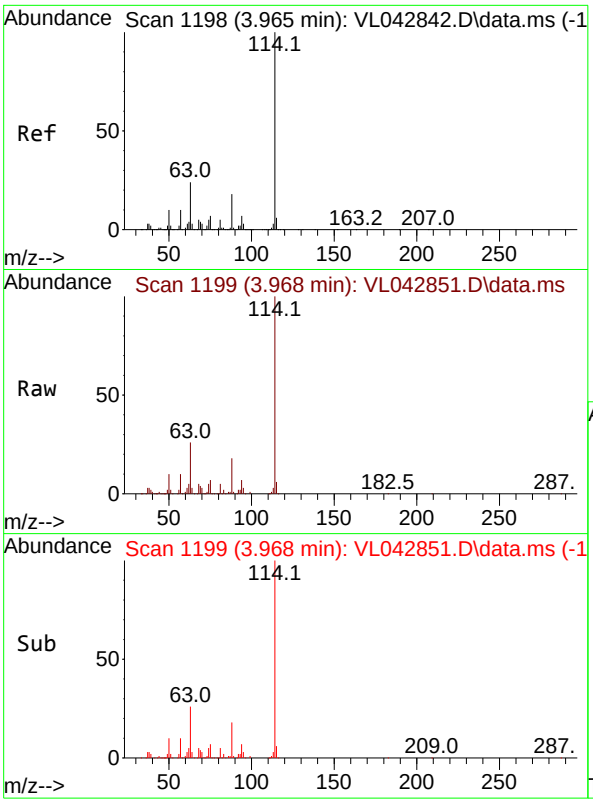


#32
1,1,1-Trichloroethane
Concen: 9.431 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 97 Resp: 245800

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	47.4	38.0	57.0

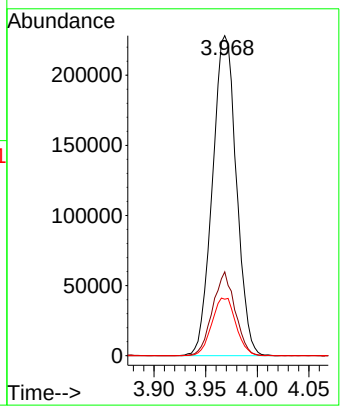




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:114 Resp: 36820

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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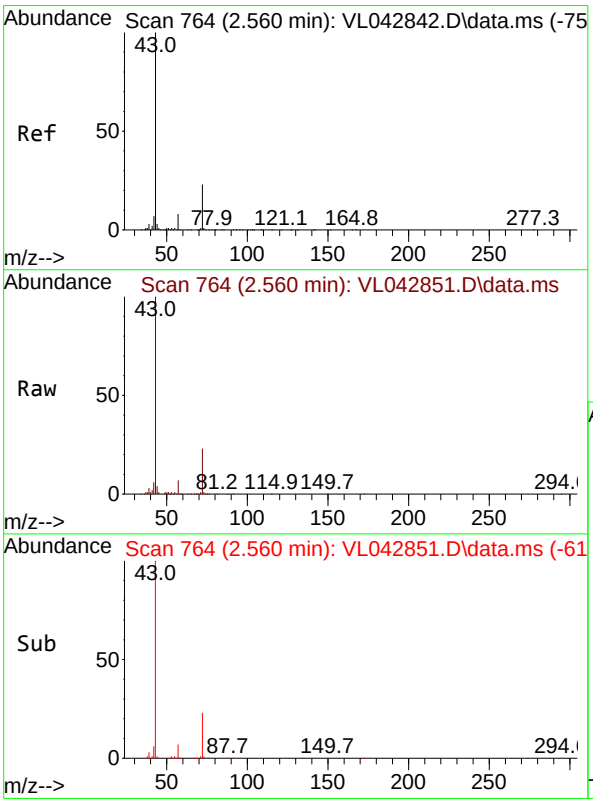
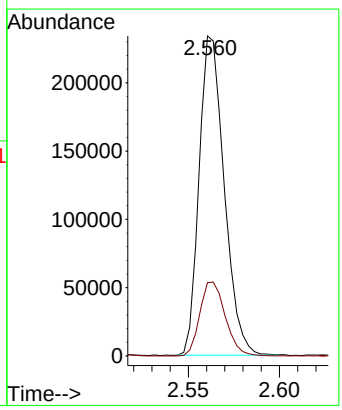
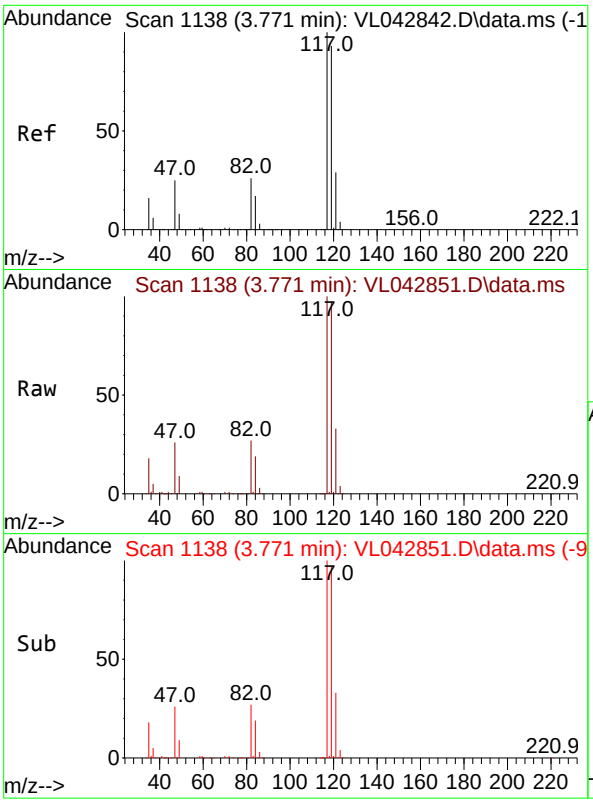


#34
2-Butanone
Concen: 9.016 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 224149

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0

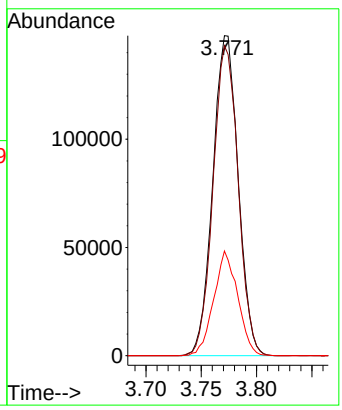




#35
Carbon Tetrachloride
Concen: 9.281 ppbv
RT: 3.771 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:117 Resp: 23559

Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.7	112.1
121	32.7	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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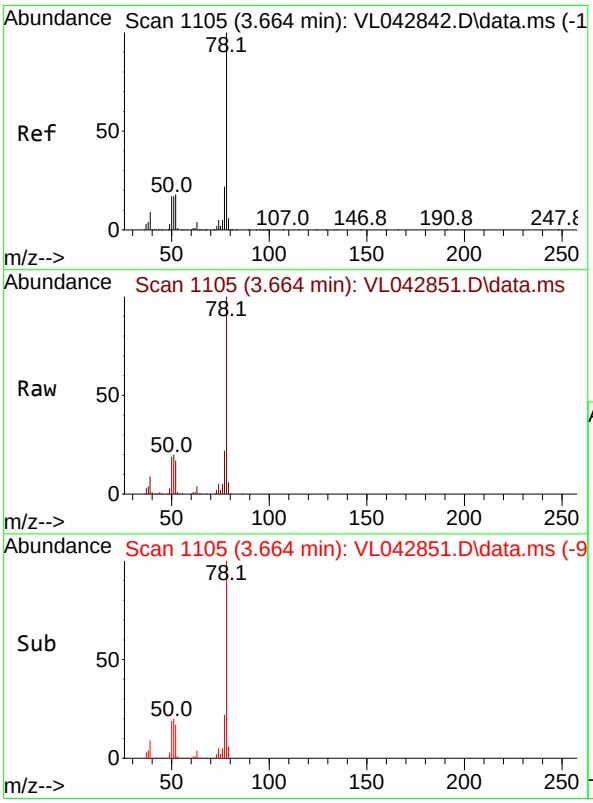
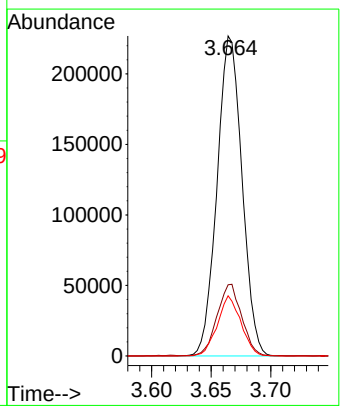
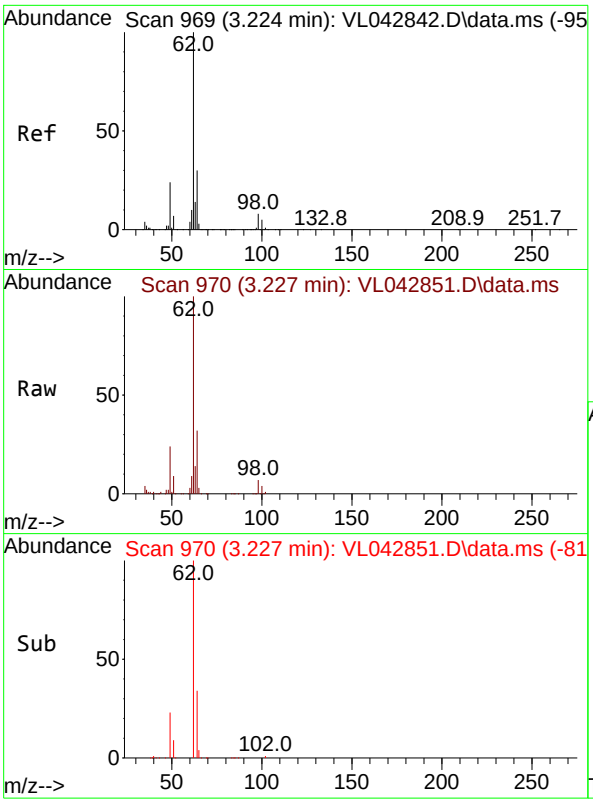


#36
Benzene
Concen: 9.360 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 78 Resp: 330026

Ion	Ratio	Lower	Upper
78	100		
77	22.2	17.7	26.5
50	18.8	13.9	20.9

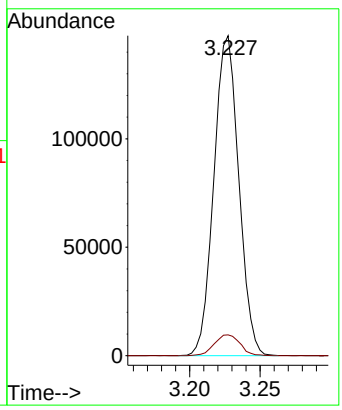




#37
1,2-Dichloroethane
Concen: 9.874 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 62 Resp: 18187

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.9	8.9



Instrument :
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ClientSampleId :
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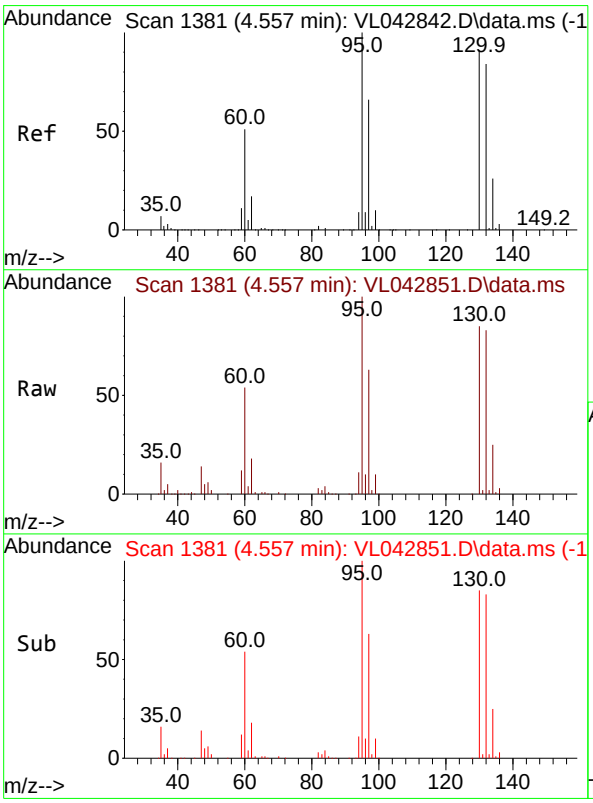
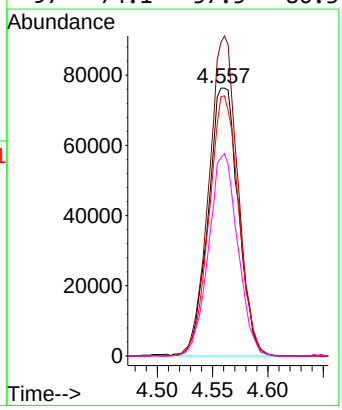
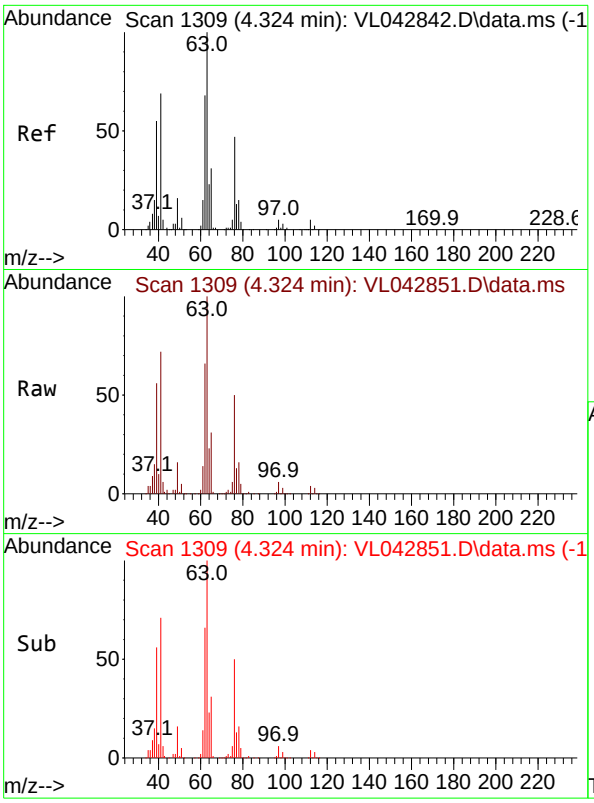


#38
Trichloroethene
Concen: 8.944 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:130 Resp: 144018

Ion	Ratio	Lower	Upper
130	100		
95	117.1	87.6	131.4
132	96.6	73.8	110.8
97	74.1	57.5	86.3

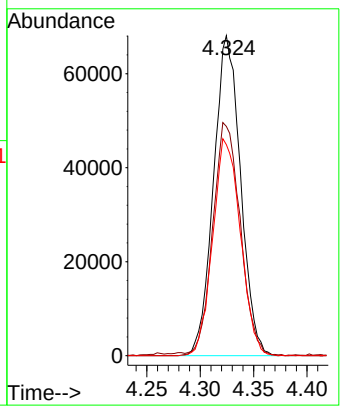




#39
1,2-Dichloropropane
Concen: 9.275 ppbv
RT: 4.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 63 Resp: 11944

Ion	Ratio	Lower	Upper
63	100		
41	71.4	55.0	82.4
62	66.0	54.4	81.6



Instrument :
MSVOA_L
ClientSampleId :
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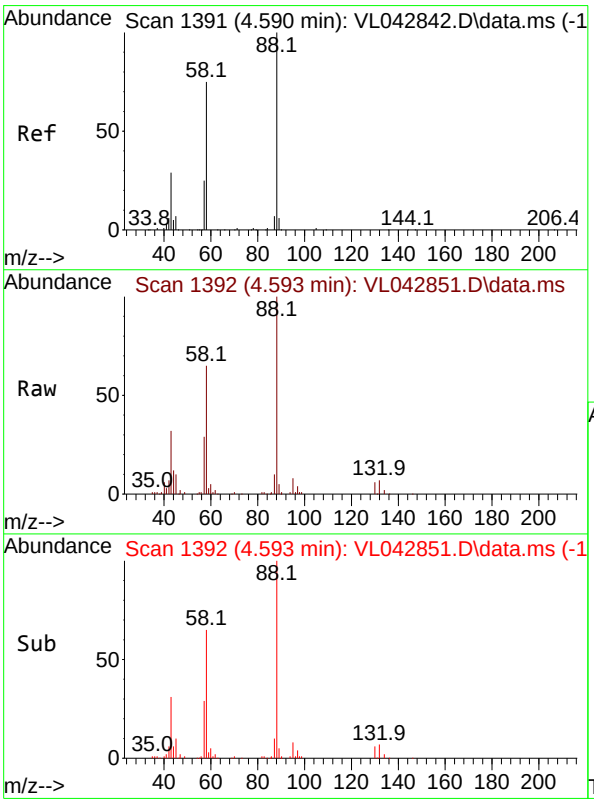
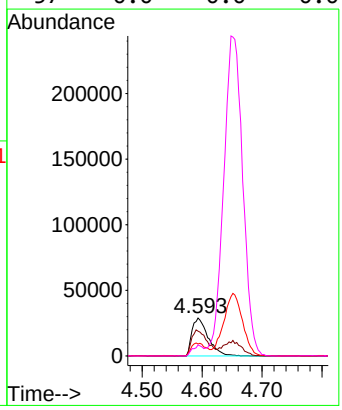
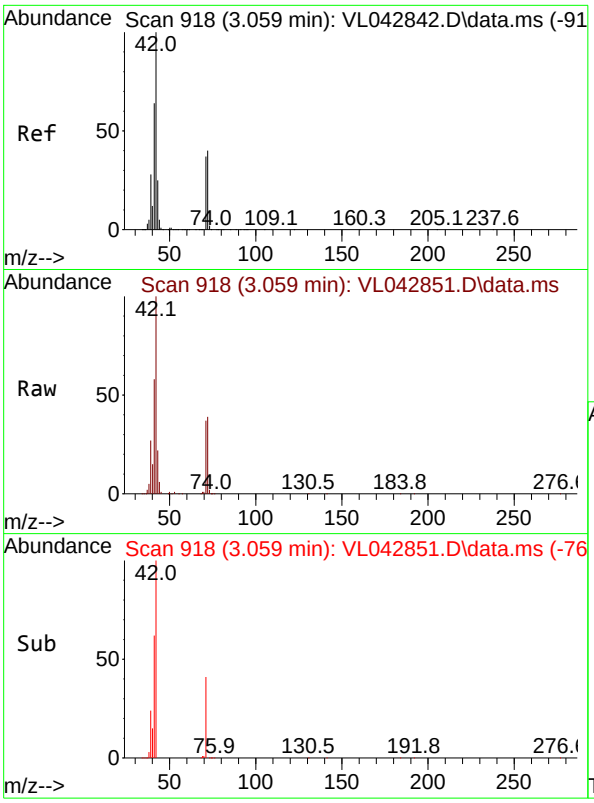


#40
1,4-Dioxane
Concen: 8.832 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 88 Resp: 54081

Ion	Ratio	Lower	Upper
88	100		
58	69.9	53.8	80.6
43	35.7	22.8	34.2#
57	0.0	0.0	0.0

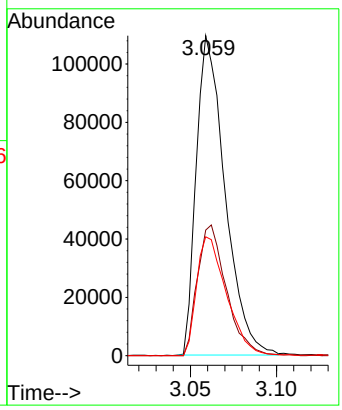




#41
Tetrahydrofuran
Concen: 9.204 ppbv
RT: 3.059 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 42 Resp: 12757

Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.6	48.8
71	38.9	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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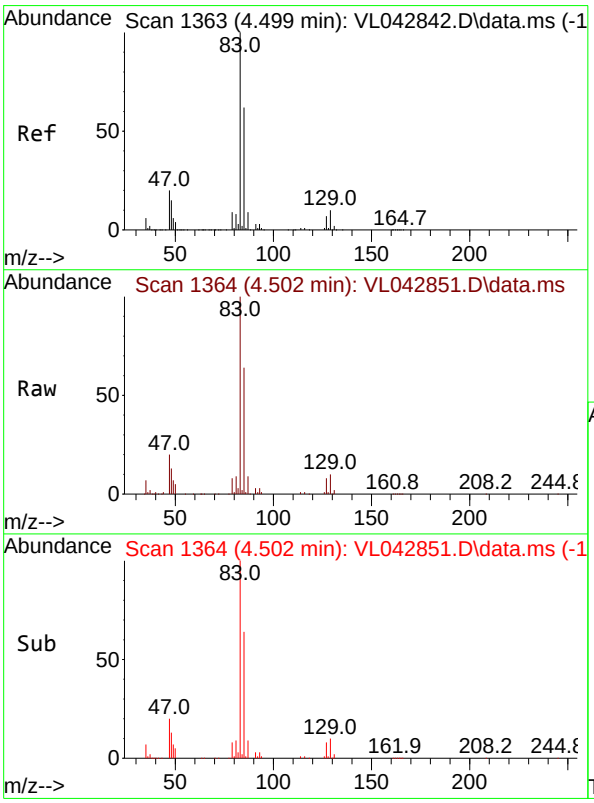
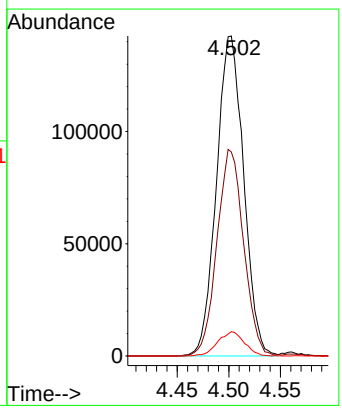
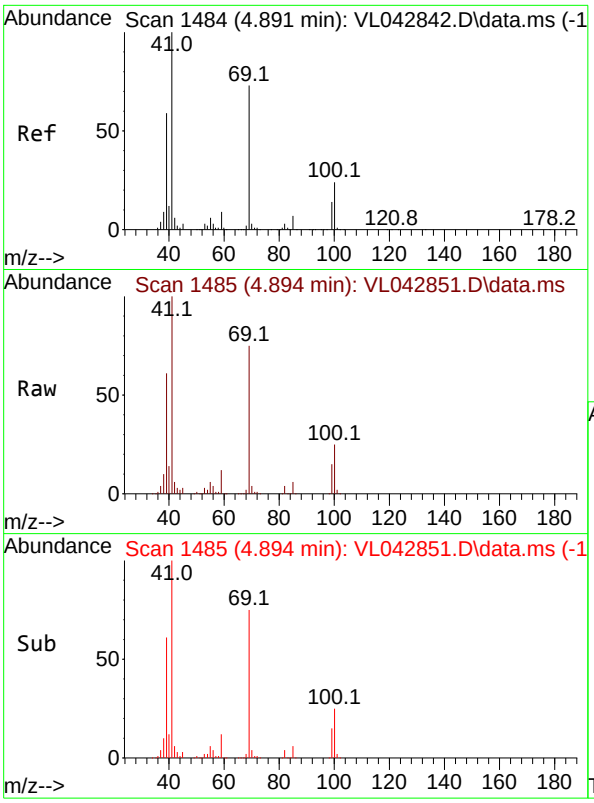


#42
Bromodichloromethane
Concen: 9.522 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 83 Resp: 261380

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.8	74.8
127	7.6	5.8	8.6

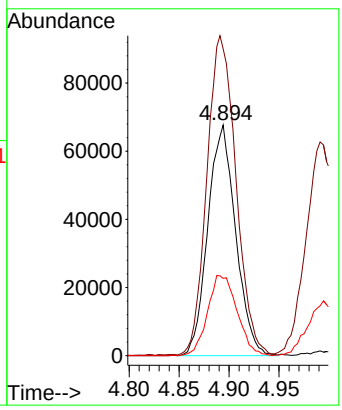




#43
Methyl Methacrylate
Concen: 9.042 ppbv
RT: 4.894 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 69 Resp: 13133

Ion	Ratio	Lower	Upper
69	100		
41	145.5	114.6	172.0
100	36.8	30.2	45.4



Instrument :
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ClientSampleId :
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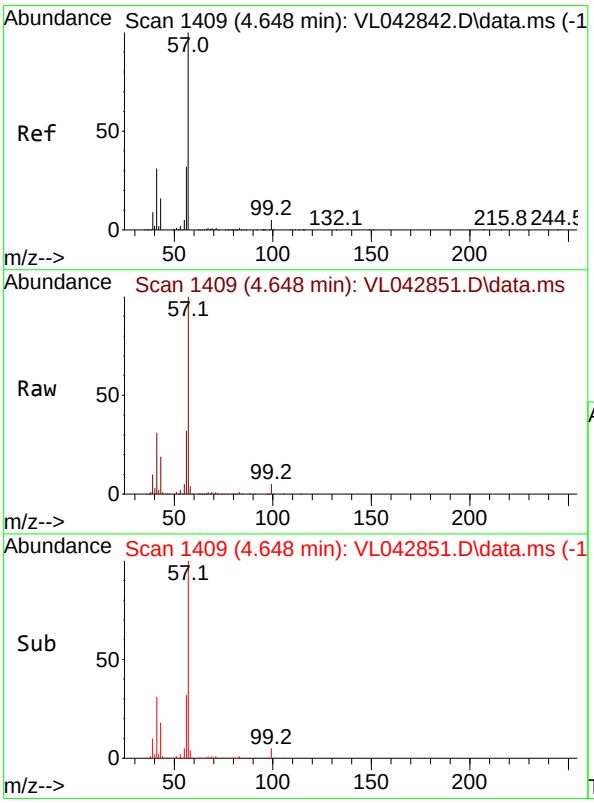
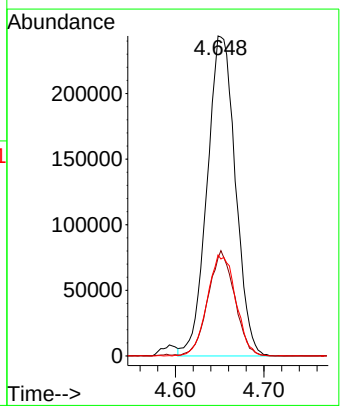
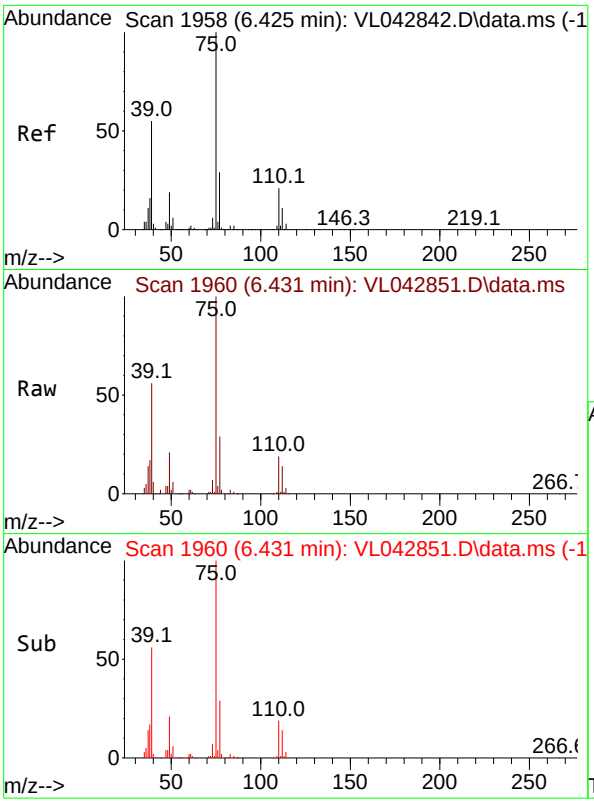


#44
2,2,4-Trimethylpentane
Concen: 9.039 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 57 Resp: 540935

Ion	Ratio	Lower	Upper
57	100		
41	31.5	24.8	37.2
56	31.9	25.5	38.3

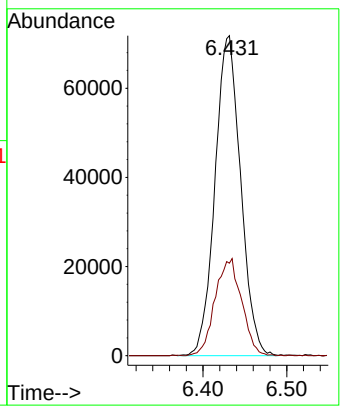




#45
t-1,3-Dichloropropene
Concen: 9.309 ppbv
RT: 6.431 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 75 Resp: 15258

Ion	Ratio	Lower	Upper
75	100		
77	28.9	23.8	35.6



Instrument :
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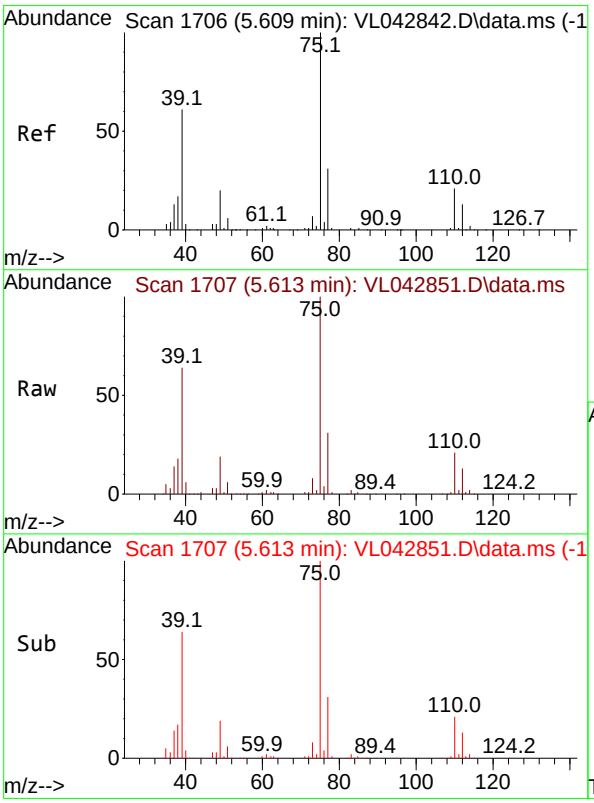
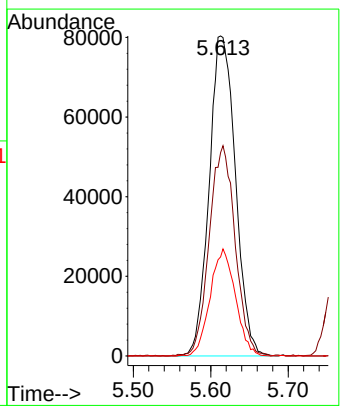
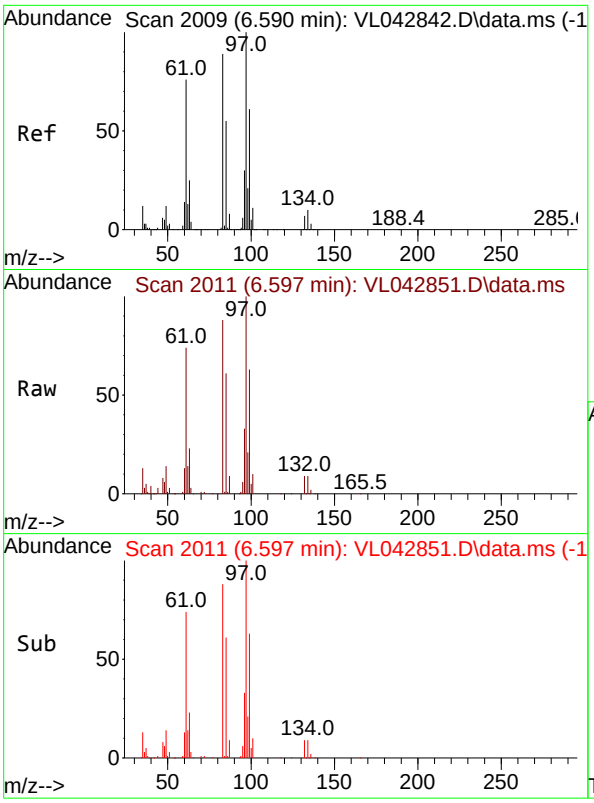


#46
cis-1,3-Dichloropropene
Concen: 9.285 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 75 Resp: 189646

Ion	Ratio	Lower	Upper
75	100		
39	63.2	48.9	73.3
77	30.9	24.9	37.3

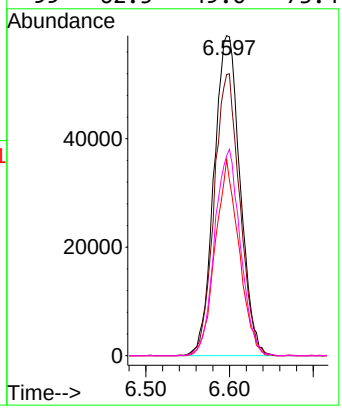




#47
1,1,2-Trichloroethane
Concen: 9.357 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 97 Resp: 12766

Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.0	106.4
85	61.3	43.6	65.4
99	62.5	49.0	73.4



Instrument :
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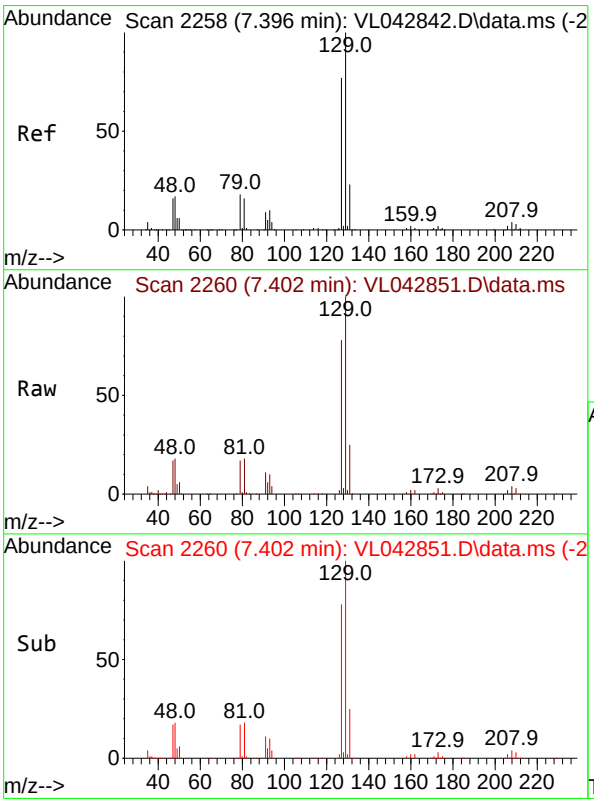
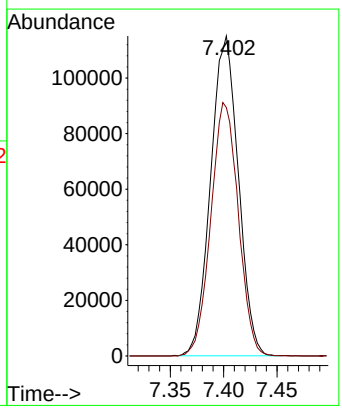
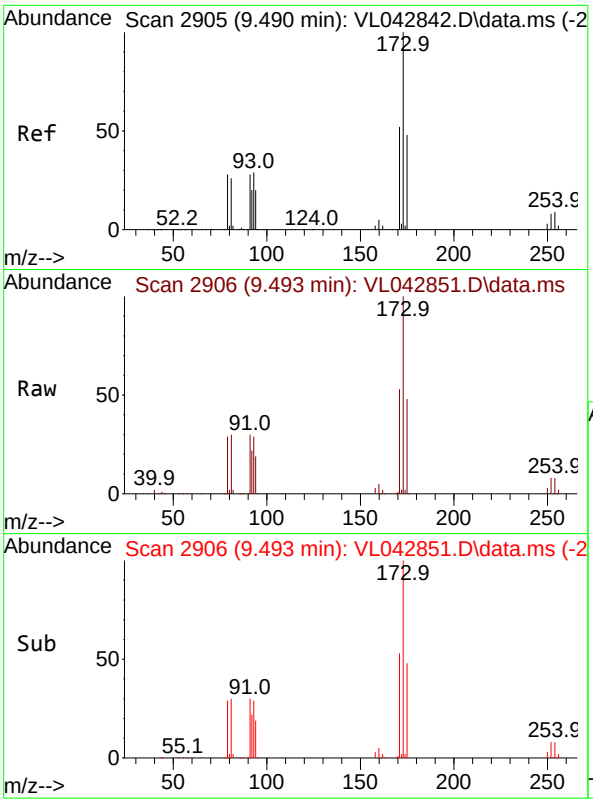


#48
Dibromochloromethane
Concen: 9.412 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:129 Resp: 207804

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2

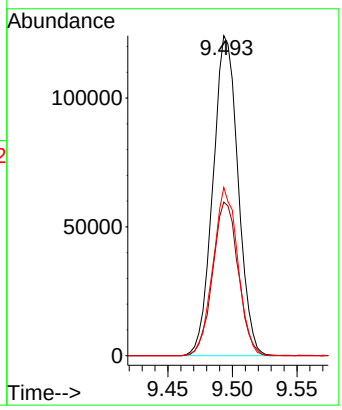




#49
Bromoform
Concen: 9.228 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:173 Resp: 16801

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.2	58.8
171	51.7	41.3	61.9



Instrument :
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ClientSampleId :
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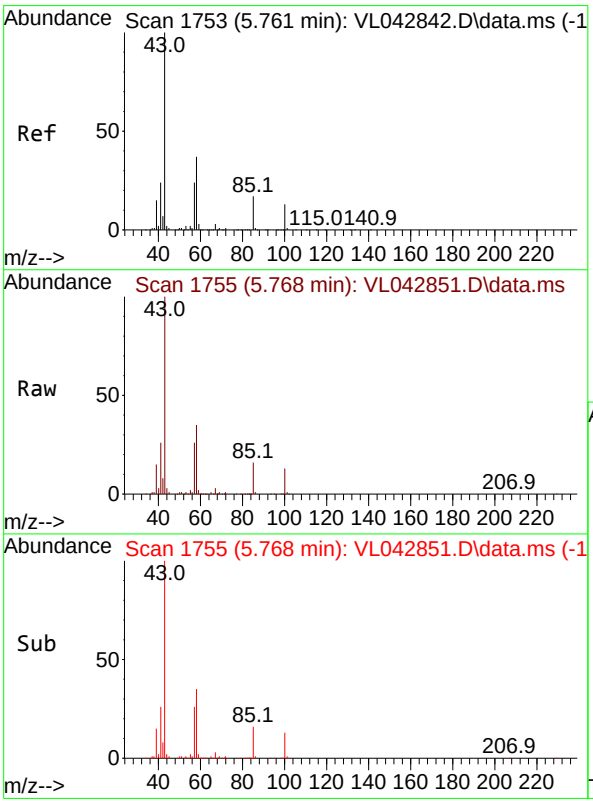
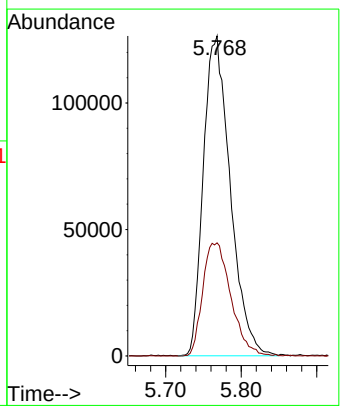
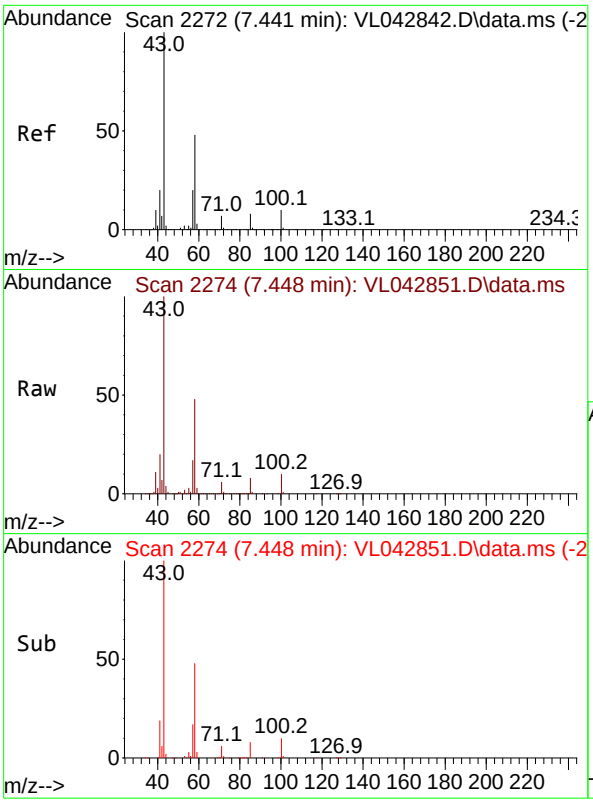


#50
4-Methyl-2-Pentanone
Concen: 9.286 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 312046

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.8	44.8

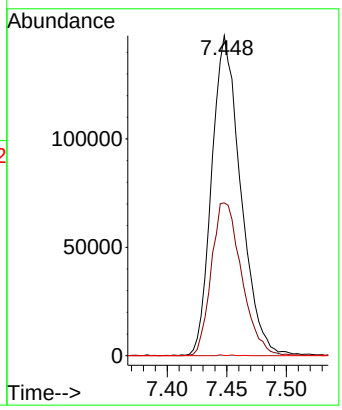




#51
2-Hexanone
Concen: 9.404 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 24869

Ion	Ratio	Lower	Upper
43	100		
58	50.3	41.0	61.6
98	0.1	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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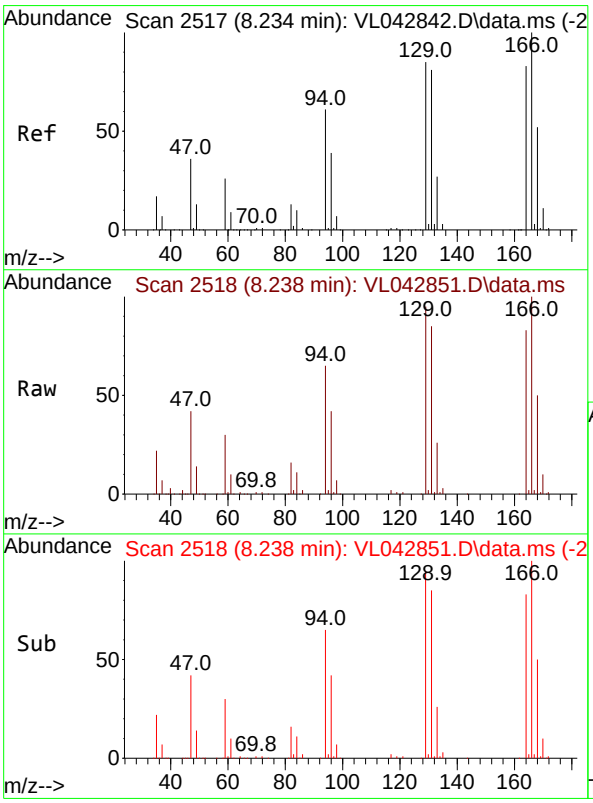
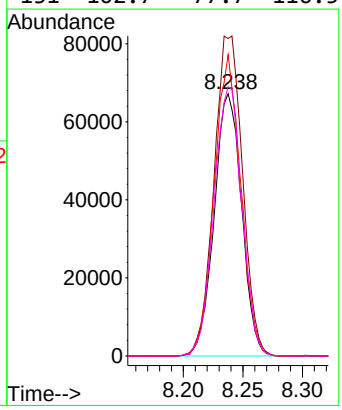
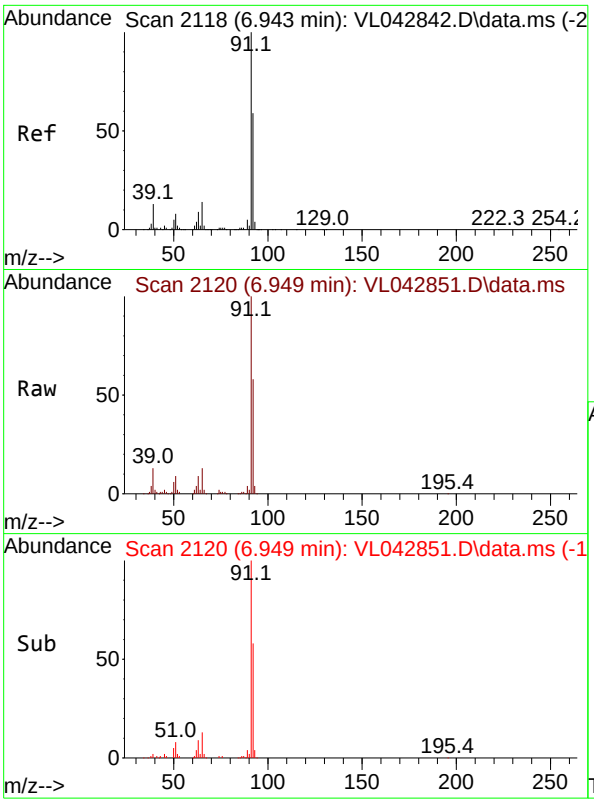


#52
Tetrachloroethene
Concen: 8.434 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:164 Resp: 107577

Ion	Ratio	Lower	Upper
164	100		
166	121.0	96.5	144.7
129	114.9	81.8	122.6
131	102.7	77.7	116.5

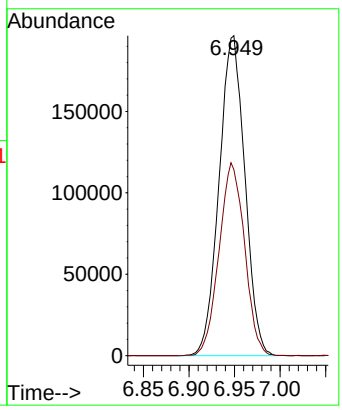




#53
Toluene
Concen: 9.216 ppbv
RT: 6.949 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 38629

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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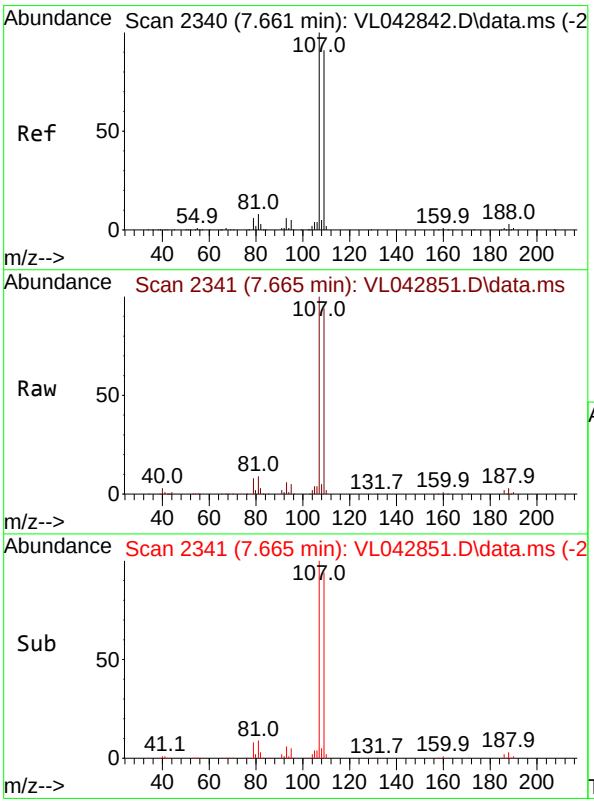
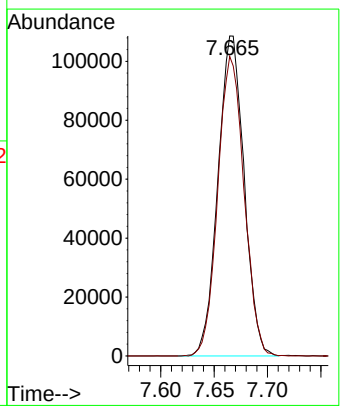
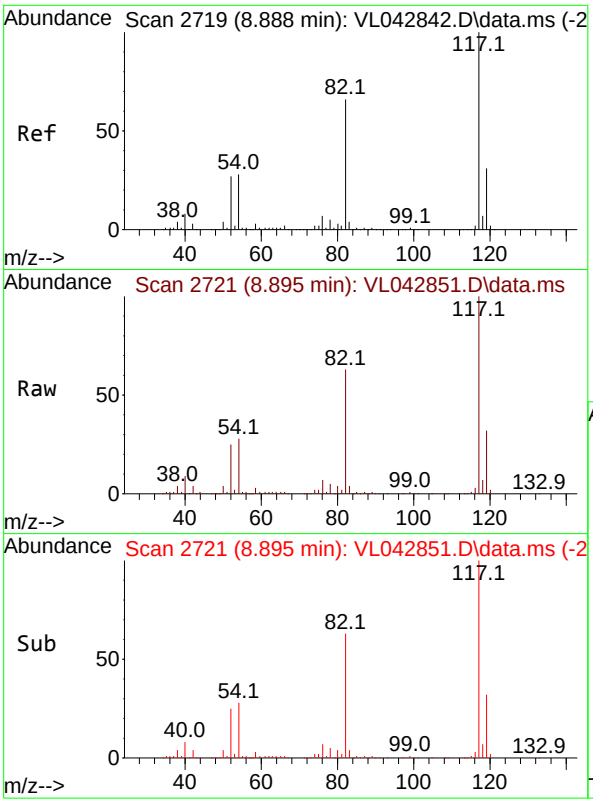


#54
1,2-Dibromoethane
Concen: 9.275 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:107 Resp: 184932

Ion	Ratio	Lower	Upper
107	100		
109	93.6	72.5	108.7

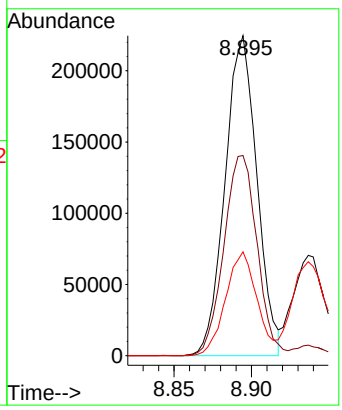




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:117 Resp: 32229

Ion	Ratio	Lower	Upper
117	100		
82	67.9	54.6	81.8
119	31.0	25.9	38.9



Instrument :
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ClientSampleId :
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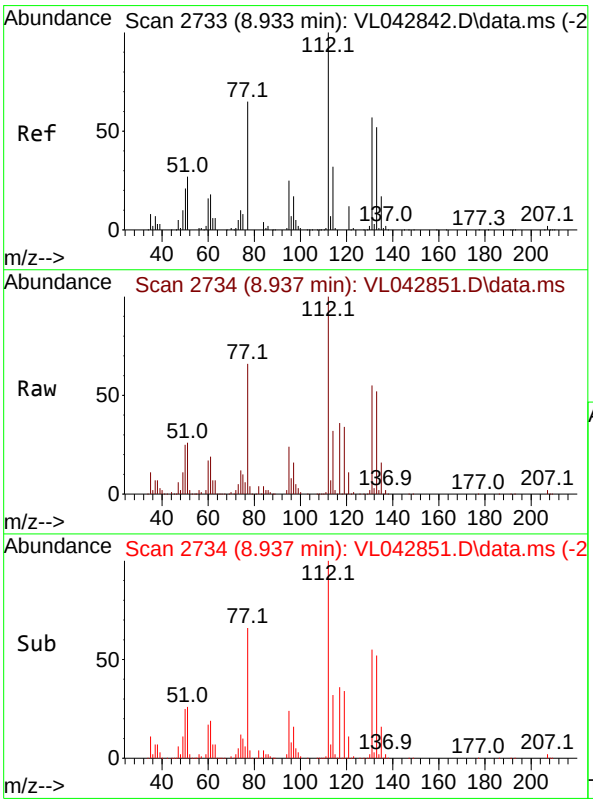
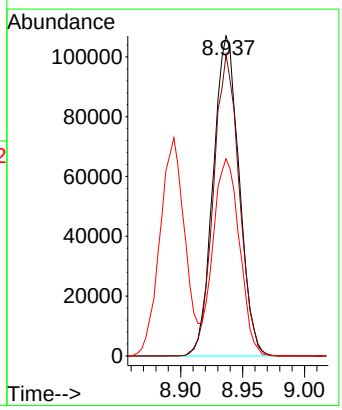
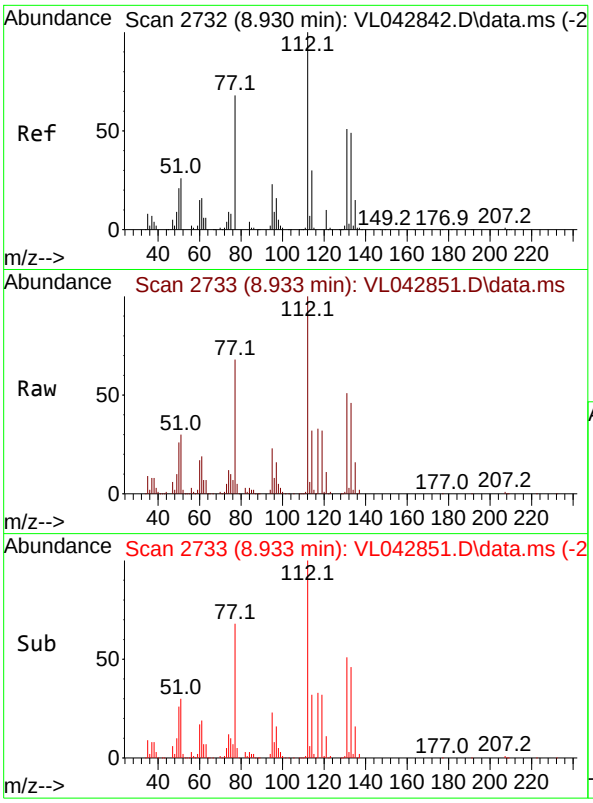


#56
1,1,1,2-Tetrachloroethane
Concen: 9.381 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:131 Resp: 156352

Ion	Ratio	Lower	Upper
131	100		
133	93.5	77.4	116.0
119	63.4	51.2	76.8

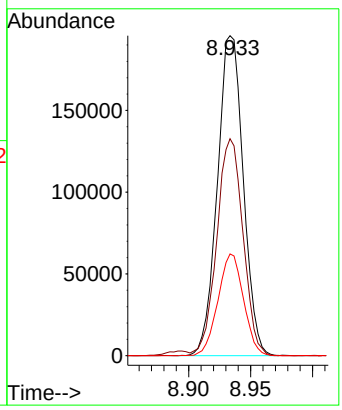




#57
Chlorobenzene
Concen: 9.326 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:112 Resp: 28578

Ion	Ratio	Lower	Upper
112	100		
77	67.7	55.5	83.3
114	31.8	27.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
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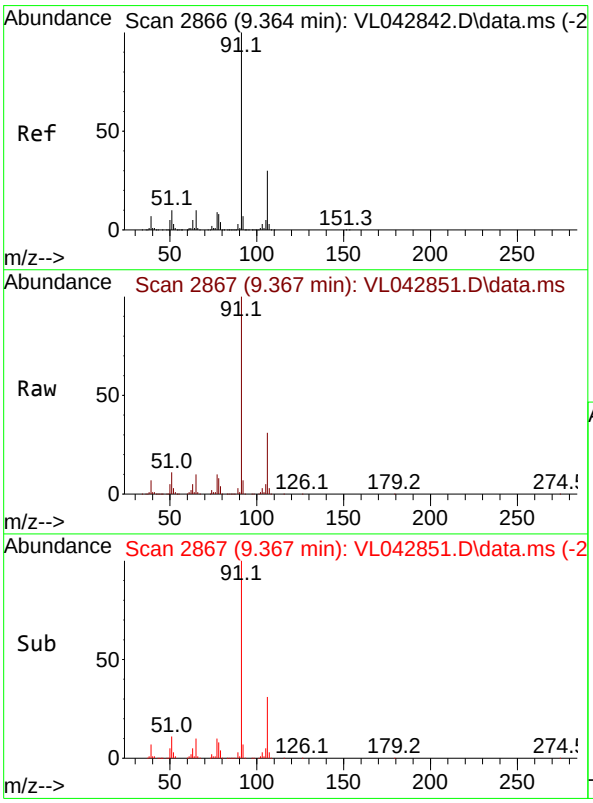
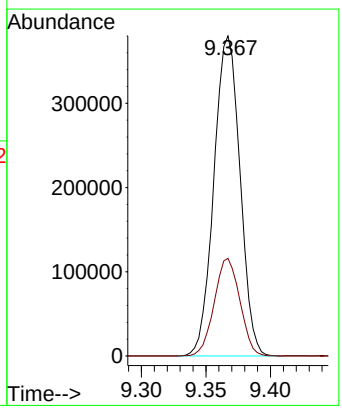
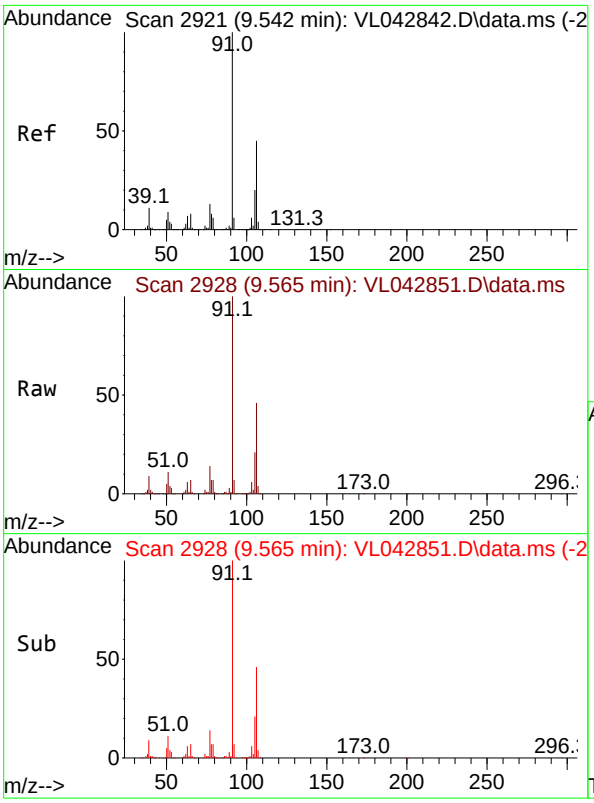


#58
Ethyl Benzene
Concen: 9.389 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 534013

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

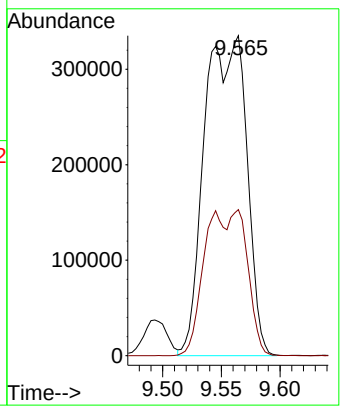




#59
m/p-Xylene
Concen: 18.783 ppbv m
RT: 9.565 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 83733

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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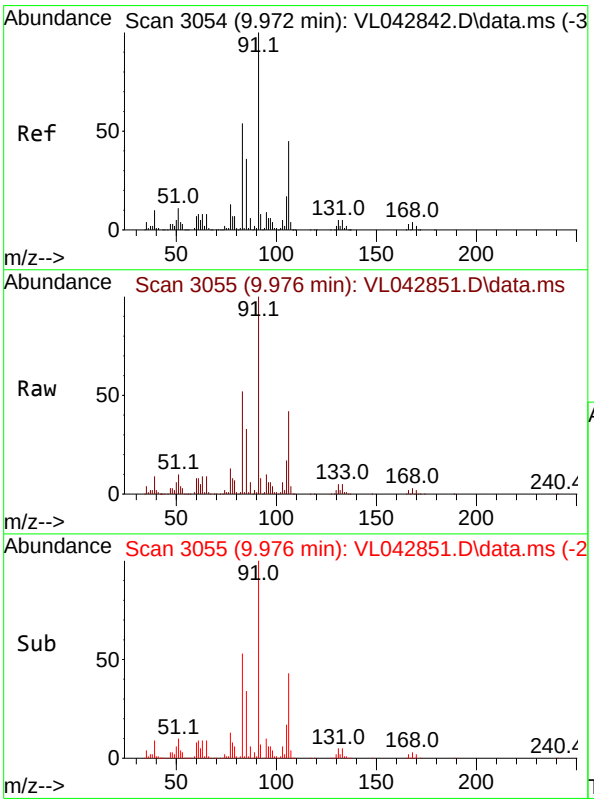
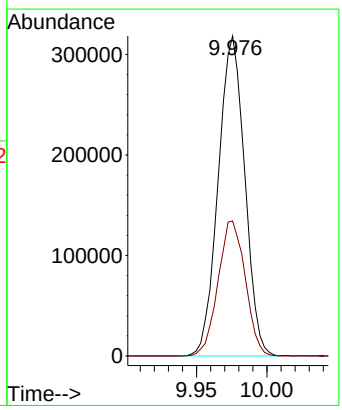
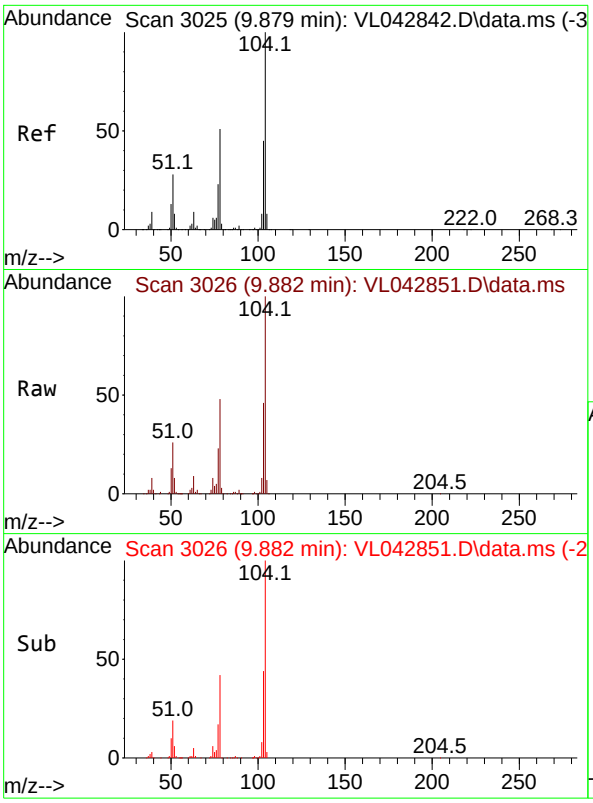


#60
o-Xylene
Concen: 9.308 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 417423

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.8	65.4

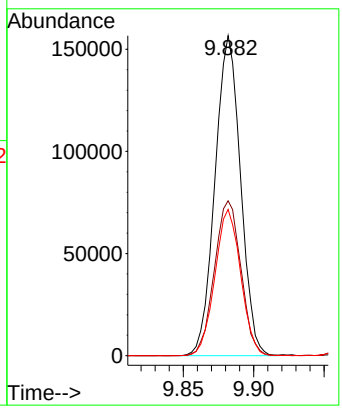




#61
Styrene
Concen: 9.414 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:104 Resp: 19779

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	61.0
103	46.1	37.7	56.5



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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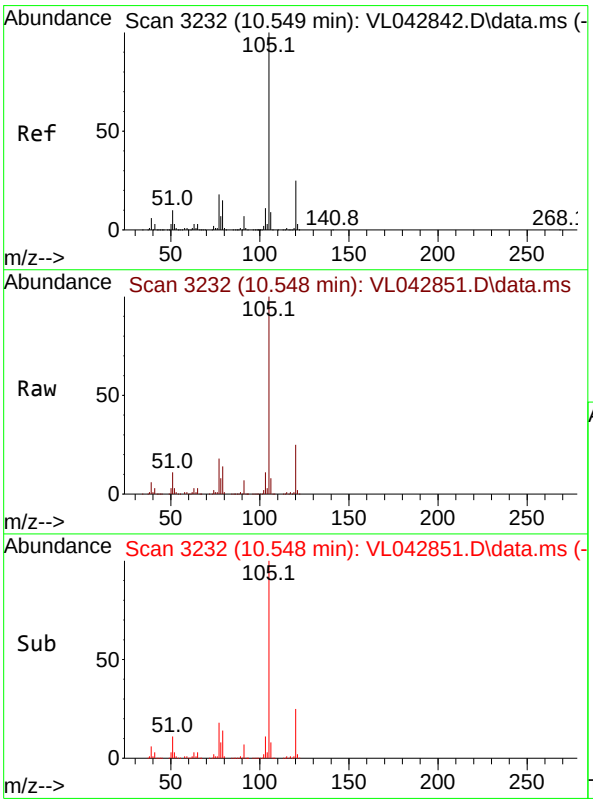
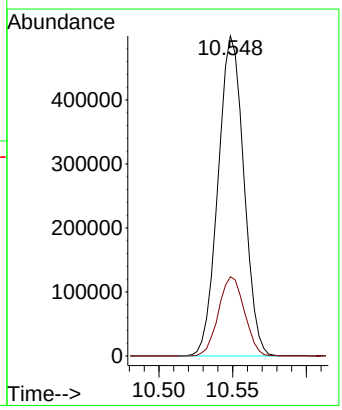
Supervised By :Mahesh Dadoda 08/18/2025

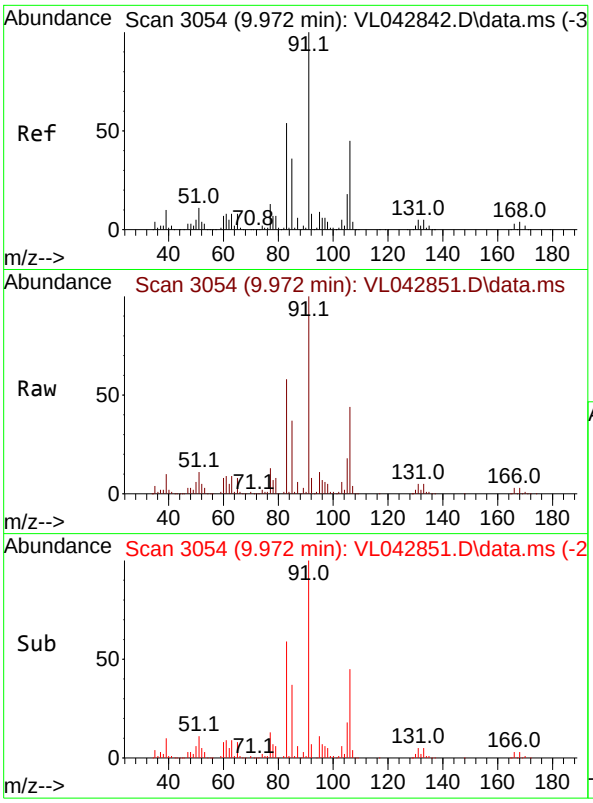


#62
Isopropylbenzene
Concen: 9.271 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 607606

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	30.8

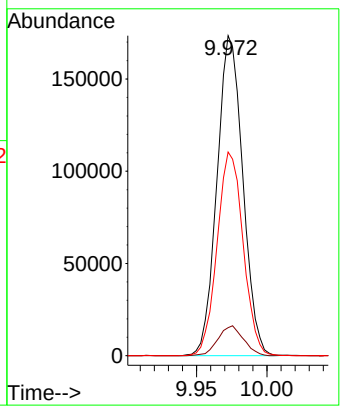




#63
1,1,2,2-Tetrachloroethane
Concen: 8.990 ppbv
RT: 9.972 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 83 Resp: 22171

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.1	32.3	96.8



Instrument :
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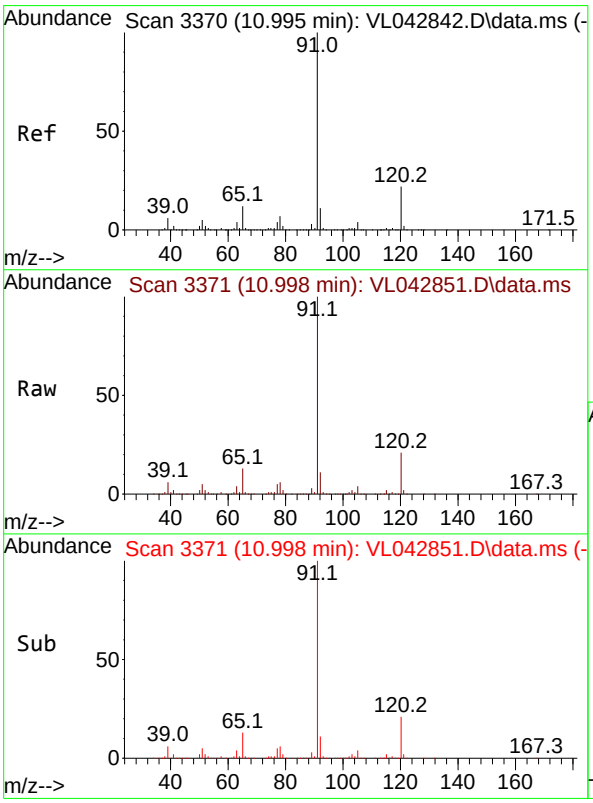
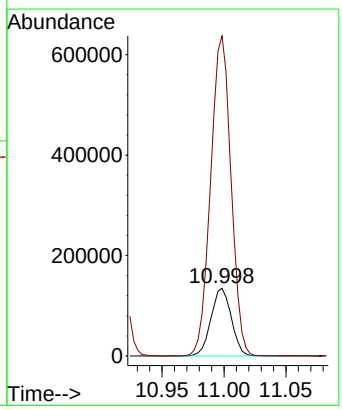
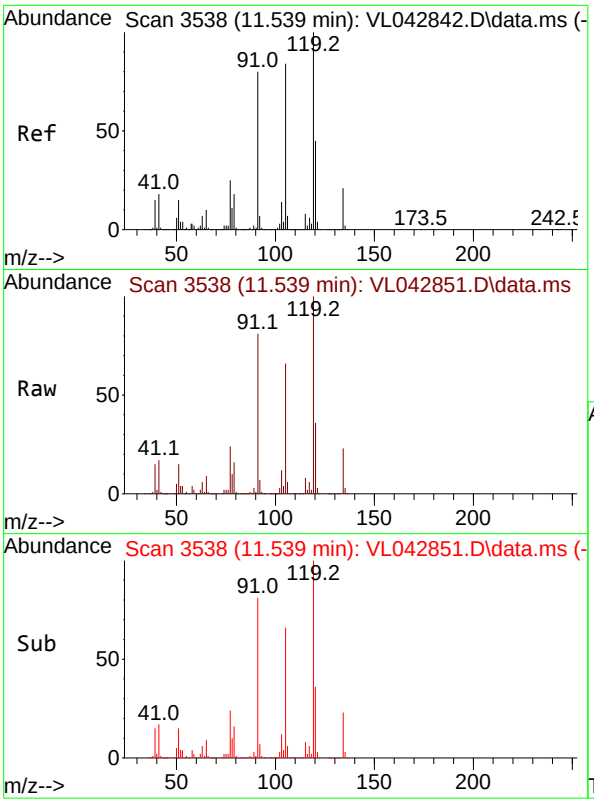


#64
n-propylbenzene
Concen: 9.205 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:120 Resp: 153914

Ion	Ratio	Lower	Upper
120	100		
91	475.5	375.8	563.6

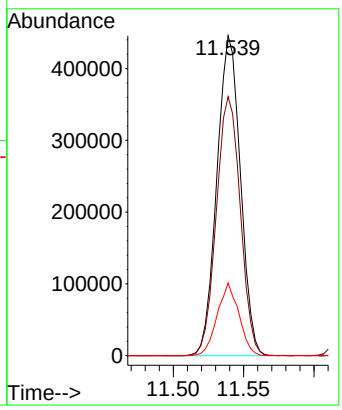




#65
tert-Butylbenzene
Concen: 8.983 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:119 Resp: 51899

Ion	Ratio	Lower	Upper
119	100		
91	82.2	63.9	95.9
134	21.0	17.0	25.4



Instrument :
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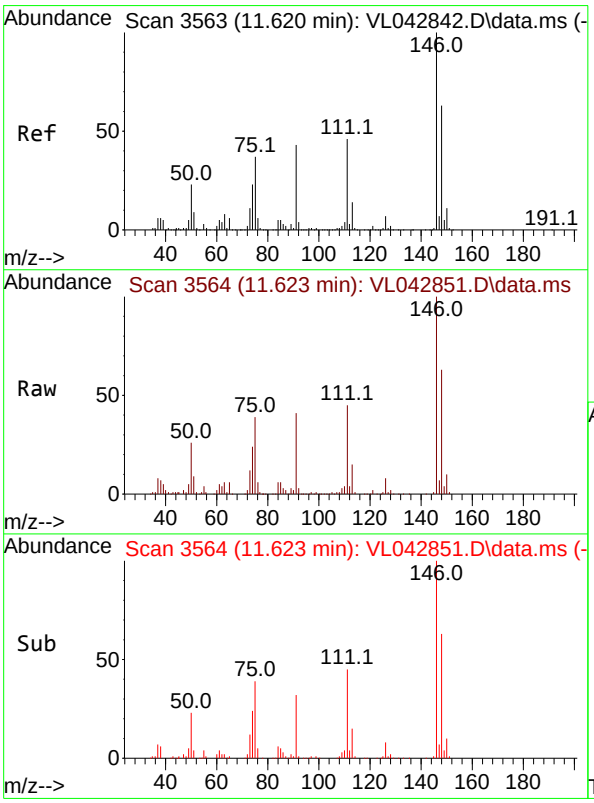
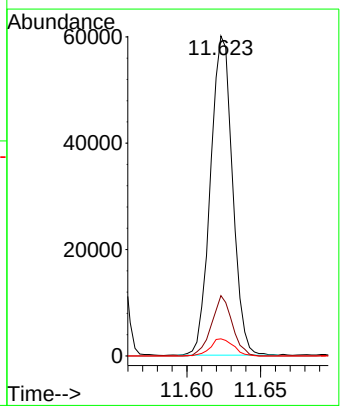
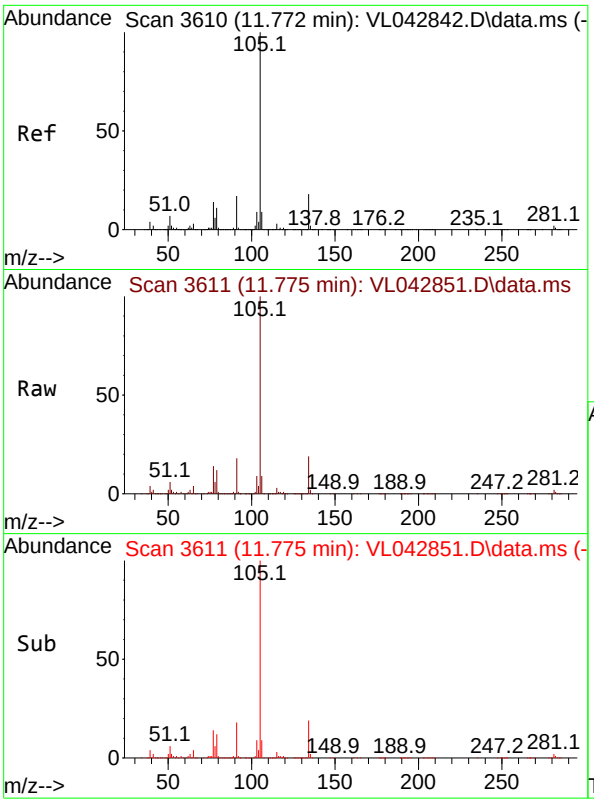


#66
Benzyl Chloride
Concen: 8.494 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 62299

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.4
128	5.7	5.0	7.6

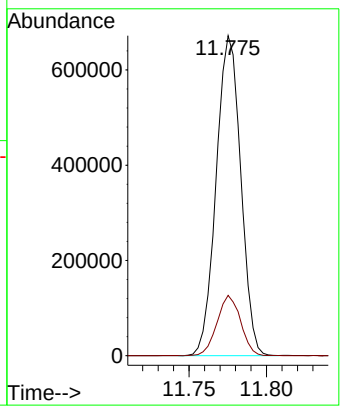




#67
sec-Butylbenzene
Concen: 9.141 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 74128

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
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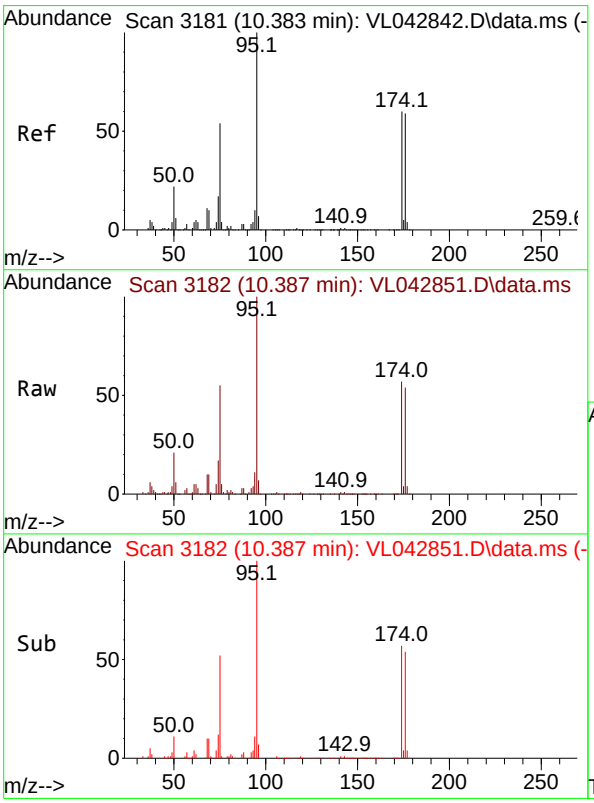
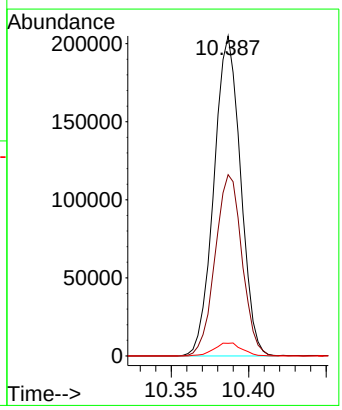
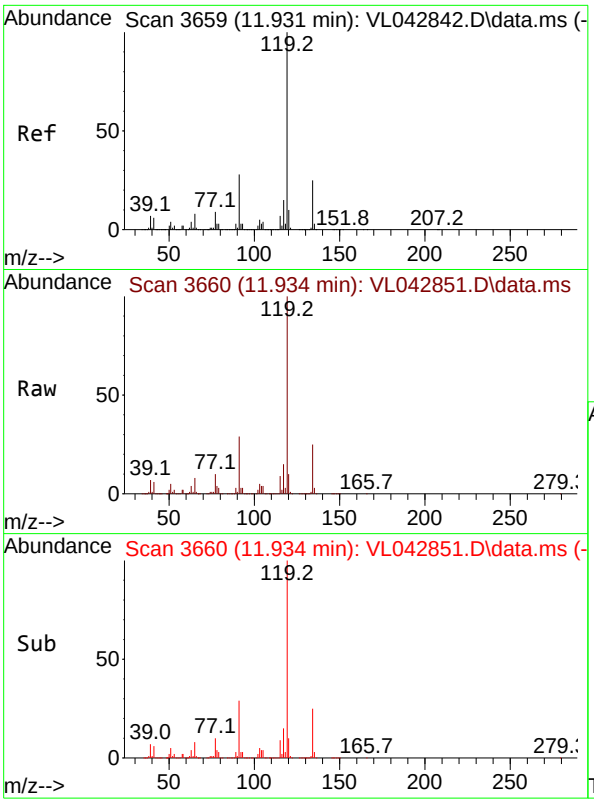


#68
1-Bromo-4-Fluorobenzene
Concen: 10.134 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 95 Resp: 244955

Ion	Ratio	Lower	Upper
95	100		
174	57.3	48.4	72.6
175	4.2	3.8	5.8

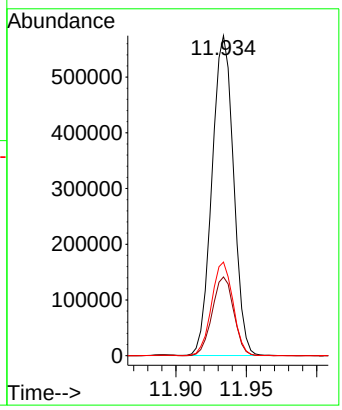




#69
p-Isopropyltoluene
Concen: 8.795 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:119 Resp: 61231

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	30.8
91	29.3	22.6	34.0



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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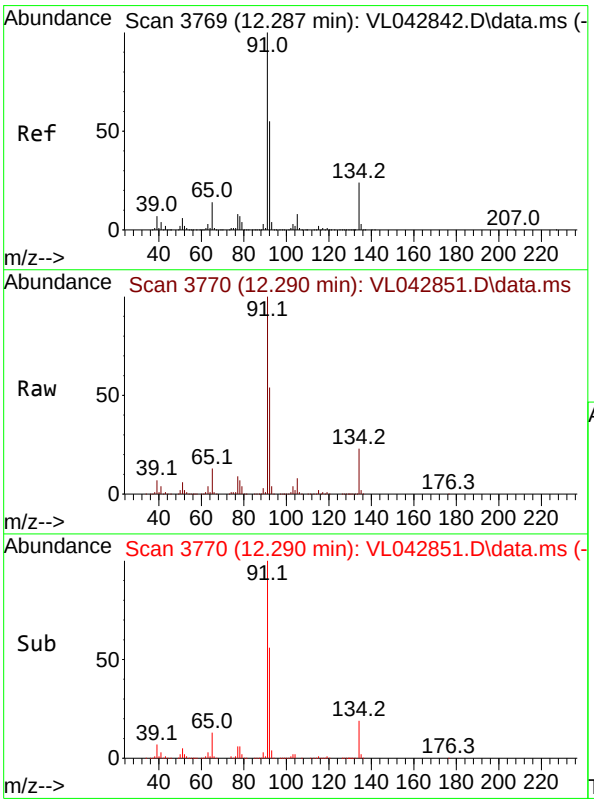
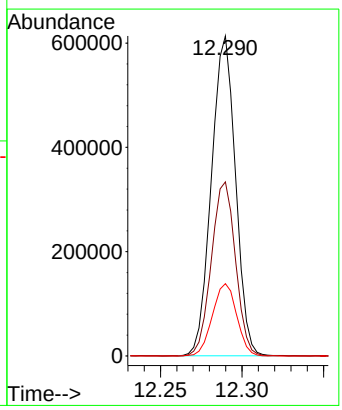
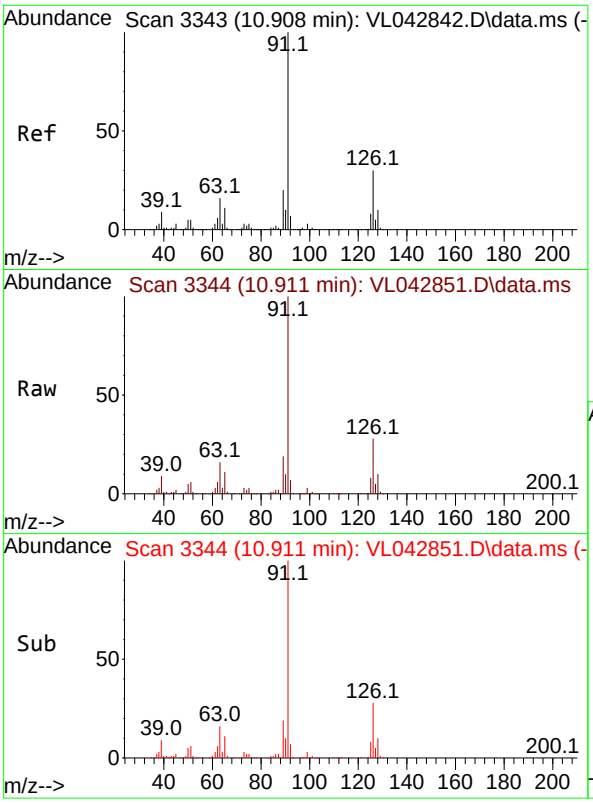


#70
n-Butylbenzene
Concen: 9.122 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 629840

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	22.9	19.0	28.4

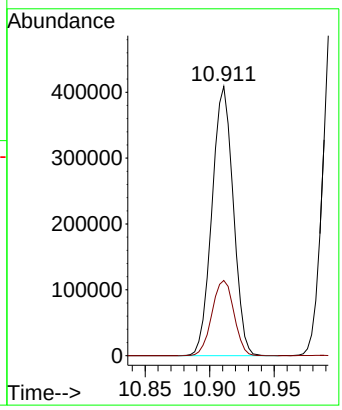




#71
2-Chlorotoluene
Concen: 9.188 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 46756

Ion	Ratio	Lower	Upper
91	100		
126	28.9	12.0	47.8



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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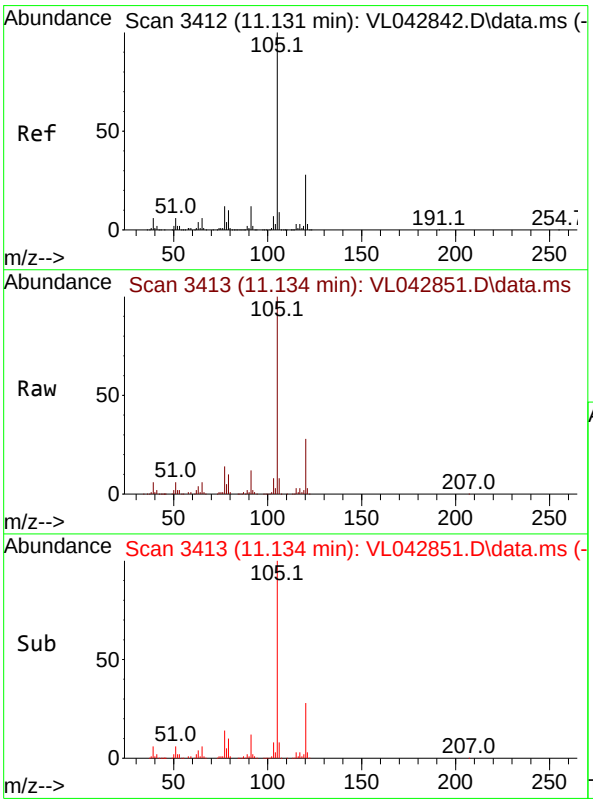
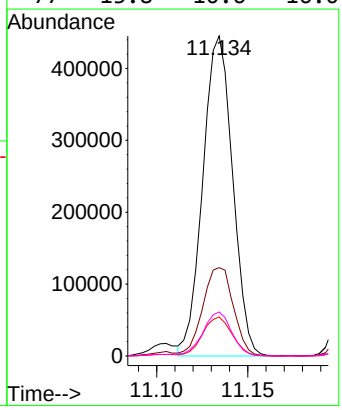
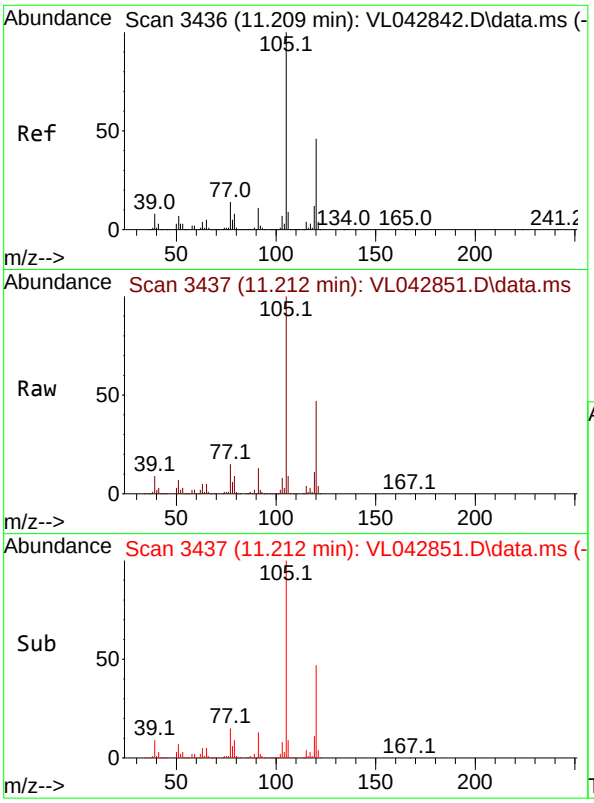


#72
4-Ethyltoluene
Concen: 9.297 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 505391

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.4	35.2
91	12.6	9.8	14.6
77	13.8	10.6	16.0

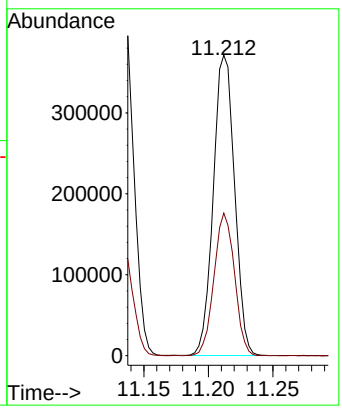




#73
1,3,5-Trimethylbenzene
Concen: 9.210 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 42575

Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.6	54.8



Instrument :
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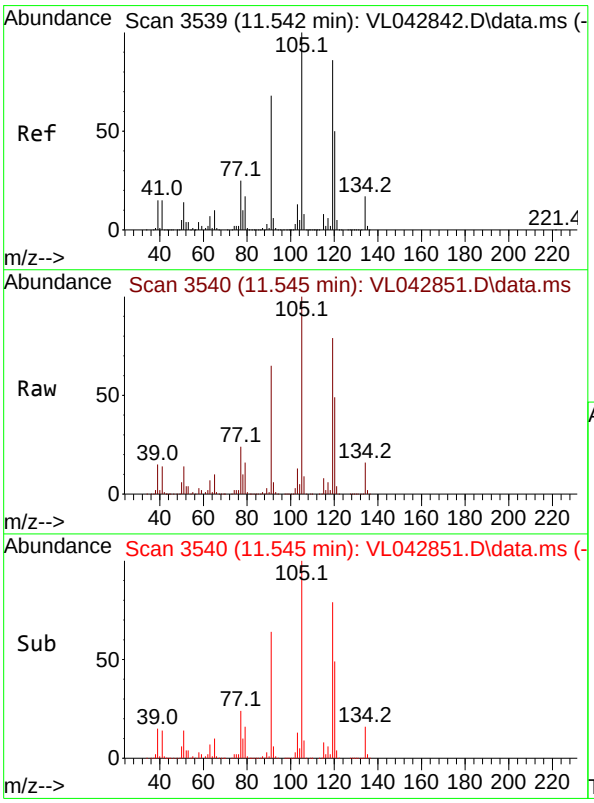
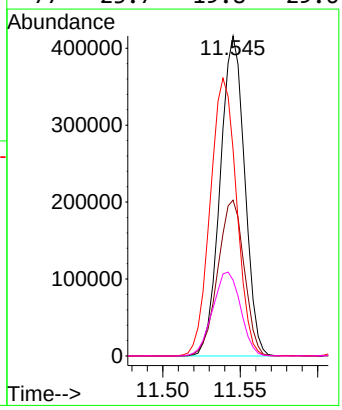
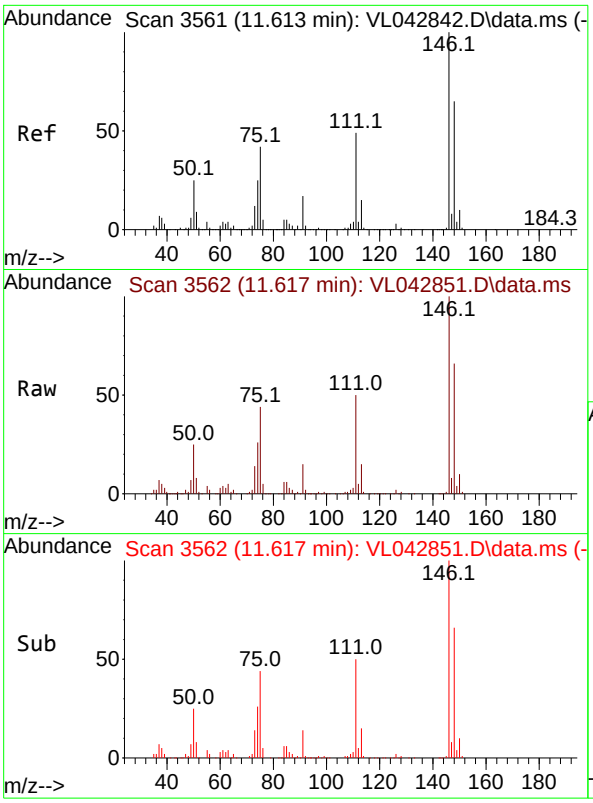


#74
1,2,4-Trimethylbenzene
Concen: 9.005 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 456933

Ion	Ratio	Lower	Upper
105	100		
120	48.7	39.8	59.6
91	64.5	54.2	81.4
77	23.7	19.8	29.6

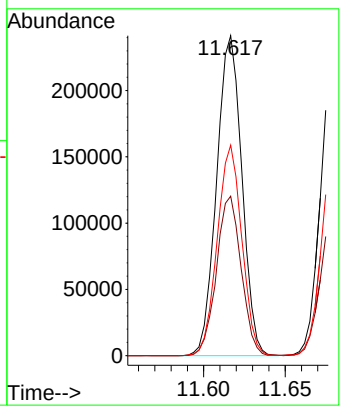




#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 25954

Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.9	71.7
148	64.2	31.4	94.0



Instrument :
MSVOA_L
ClientSampleId :
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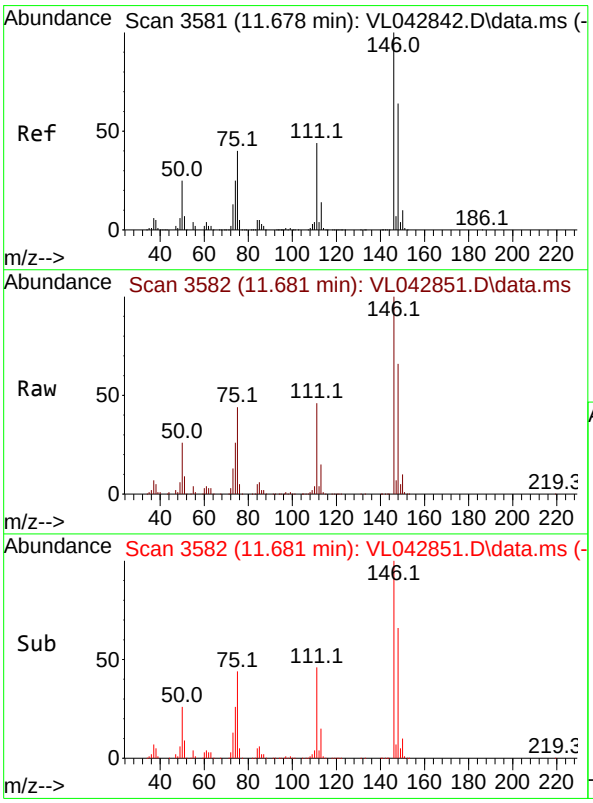
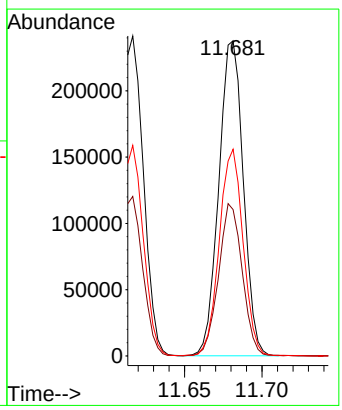
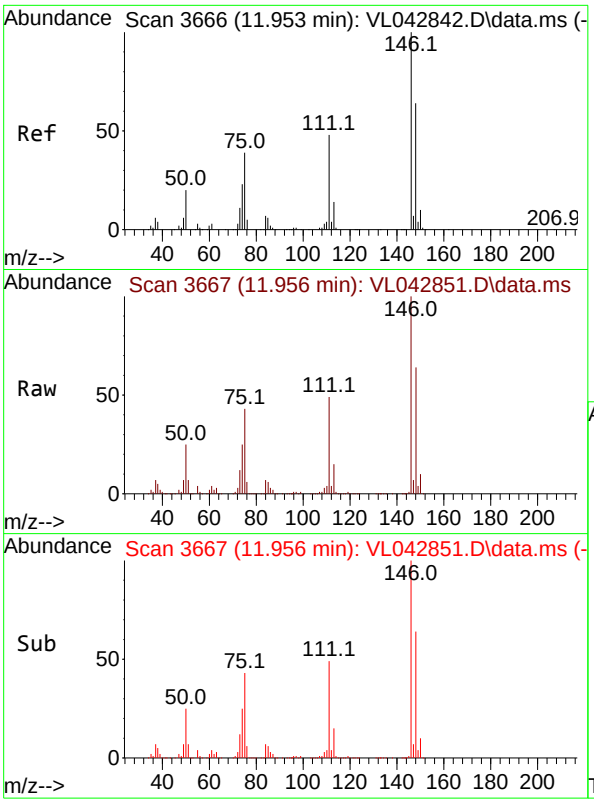


#76
1,4-Dichlorobenzene
Concen: 8.957 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 261302

Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.7	68.1
148	64.1	31.8	95.3

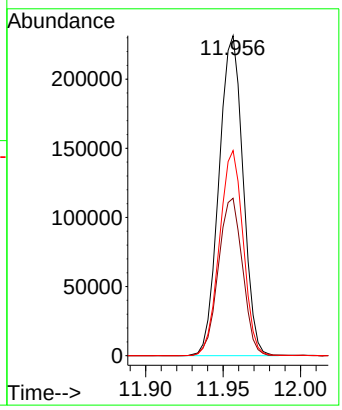




#77
1,2-Dichlorobenzene
Concen: 8.866 ppbv
RT: 11.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 25043

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	74.0
148	63.1	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

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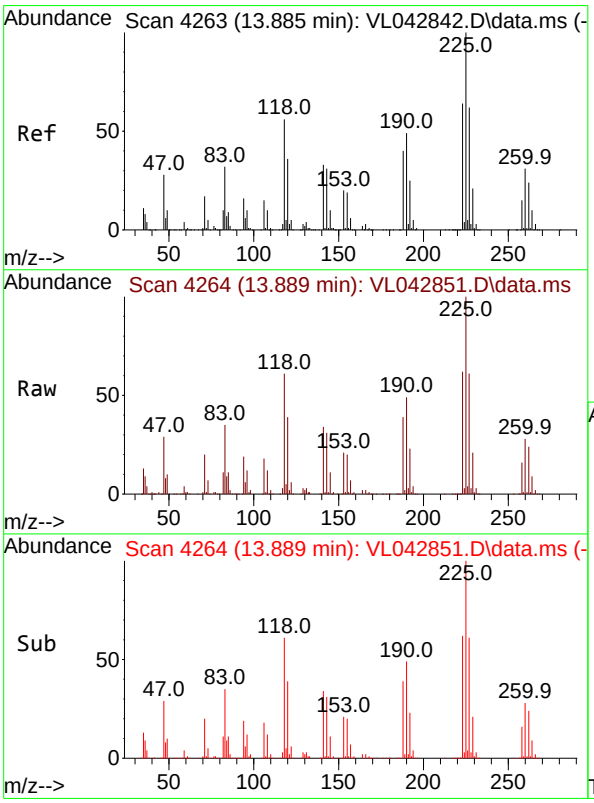
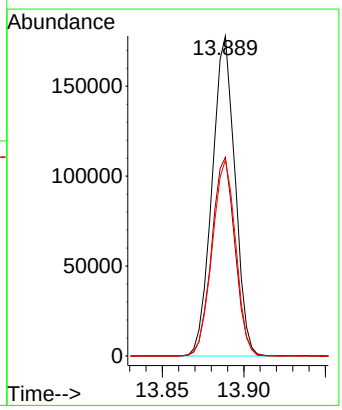
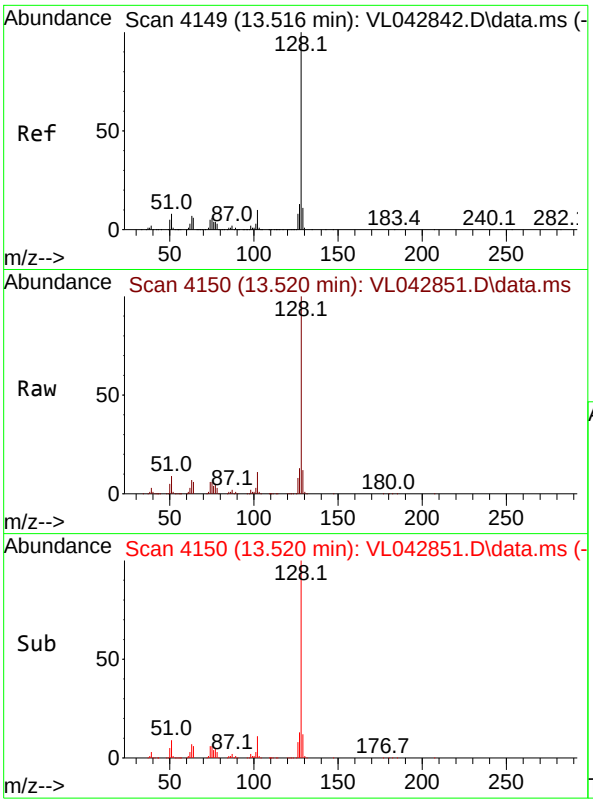


#78
Hexachloro-1,3-Butadiene
Concen: 7.488 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:225 Resp: 173363

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	63.0	51.9	77.9

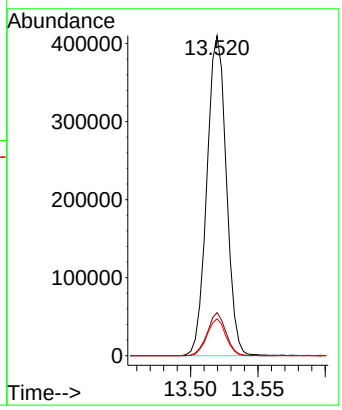




#79
Naphthalene
Concen: 8.930 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:128 Resp: 41079

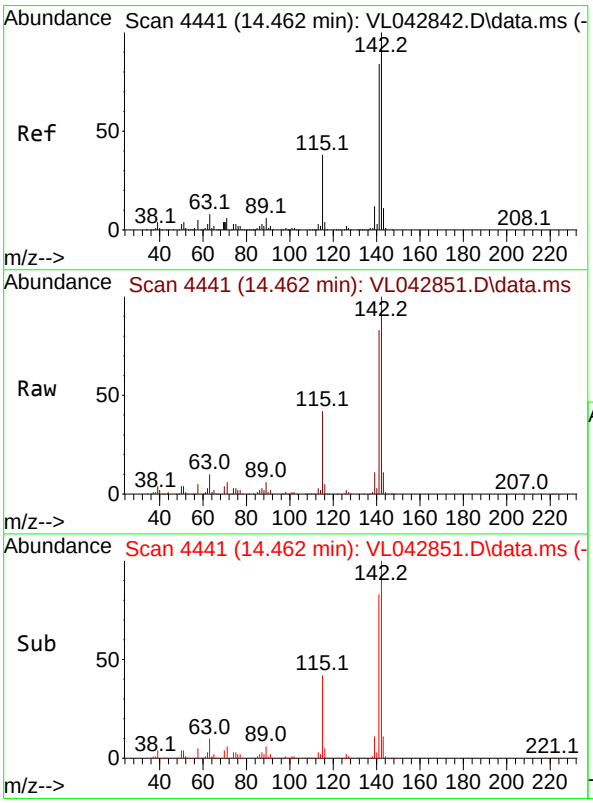
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.5	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations
APPROVED

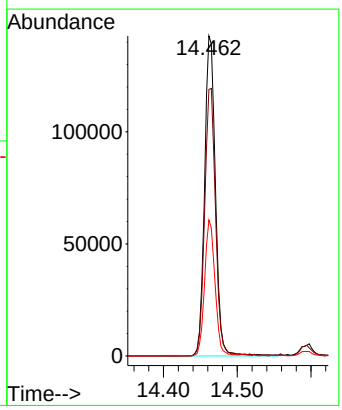
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

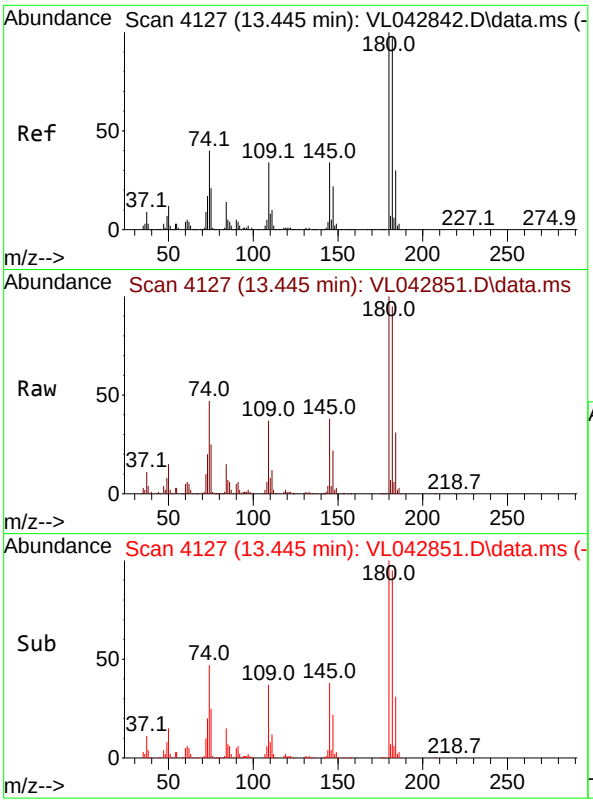


#80
Naphthalene,2-methyl-
Concen: 8.473 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:142 Resp: 145644

Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.0	100.6
115	41.7	30.9	46.3

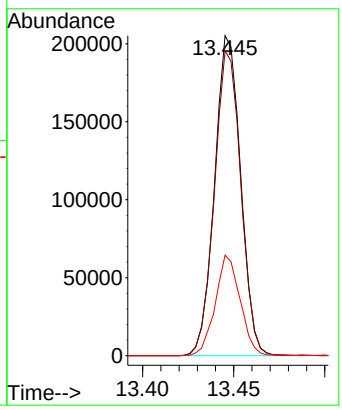




#81
1,2,4-Trichlorobenzene
Concen: 8.824 ppbv
RT: 13.445 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:180 Resp: 20402

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.9	115.3
184	30.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABSD01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABSD01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042794.D	1		07/31/25 13:55	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	10.1	35.7		0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	9.70	48.0		0.54	2.47	ug/m3
64-17-5	Ethanol	8.30	15.6		0.60	0.94	ug/m3
74-87-3	Chloromethane	9.20	19.0		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.40	21.5		0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	10.3	40.9		0.48	1.98	ug/m3
74-83-9	Bromomethane	9.10	35.3		0.31	1.94	ug/m3
75-00-3	Chloroethane	8.80	23.2		0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	11.4	33.6		0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.00	50.6		0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	72.0		1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.30	65.0		1.05	3.49	ug/m3
593-60-2	Bromoethene	9.00	39.4		0.87	2.19	ug/m3
115-07-1	Propene	7.50	12.9		0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	8.80	26.7		0.49	1.52	ug/m3
142-82-5	Heptane	10.6	43.4		0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	8.50	20.9		0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	8.90	35.3		0.59	1.98	ug/m3
67-64-1	Acetone	7.40	17.6		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	10.0	31.1		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.00	32.5		0.83	1.80	ug/m3
75-09-2	Methylene Chloride	8.50	29.5		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.20	36.5		0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	11.1	40.0		0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	9.20	37.2		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.70	33.4		0.76	1.72	ug/m3
78-93-3	2-Butanone	10.7	31.6		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	11.0	69.2		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.60	38.1		0.40	1.98	ug/m3
67-66-3	Chloroform	10.2	49.8		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.60	52.4		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	11.3	52.8		0.65	2.34	ug/m3
71-43-2	Benzene	10.7	34.2		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.8	43.7		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.0	53.7		0.11	0.16	ug/m3

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABSD01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABSD01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042794.D	1		07/31/25 13:55	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	10.7	49.5		0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	11.3	75.7		0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	11.5	47.1		0.41	2.05	ug/m3
108-88-3	Toluene	11.1	41.8		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	11.0	49.9		0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.2	50.9		0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.9	59.5		0.44	2.73	ug/m3
591-78-6	2-Hexanone	12.2	49.9		0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	11.5	98.0		0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	11.2	86.1		0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	9.50	64.4		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.5	48.4		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	11.2	48.6		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	23.3	101		1.78	4.34	ug/m3
1330-20-7	Total Xylenes	34.9	152		2.69	6.52	ug/m3
95-47-6	o-Xylene	11.6	50.4		0.91	2.17	ug/m3
100-42-5	Styrene	11.8	50.2		0.68	2.13	ug/m3
75-25-2	Bromoform	11.8	122		0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	11.3	55.5		0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.3	70.7		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	11.3	58.5		0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	12.1	59.5		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	12.2	60.0		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	11.2	67.3		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.3	67.9		0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	11.0	66.1		0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.8	80.2		1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.90	106		1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	8.90	19.7		0.11	1.11	ug/m3
91-20-3	Naphthalene	10.8	56.6		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	11.9	58.5		1.03	2.46	ug/m3
110-54-3	Hexane	10.1	35.6		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	9.30	29.1		0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	9.90	35.7		0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	13.6	70.4		0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	11.3	46.3		0.57	2.05	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ AIR PT	Date Received:	
Client Sample ID:	VL0731ABSD01	SDG No.:	Q2727
Lab Sample ID:	VL0731ABSD01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042794.D	1		07/31/25 13:55	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	143000			2.79		
540-36-3	1,4-Difluorobenzene	385000			3.965		
3114-55-4	Chlorobenzene-d5	348000			8.888		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	143361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	385270	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347681	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	285966	10.386	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	183911	9.703	ppbv	98
3) Chlorodifluoromethane	1.476	51	250299	10.137	ppbv	99
4) Chloromethane	1.534	50	70831	9.237	ppbv	97
5) Vinyl Chloride	1.580	62	63417	8.370	ppbv	98
6) Bromomethane	1.670	94	26564	9.069	ppbv	92
7) Chloroethane	1.706	64	25813	8.818	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	145635	9.343	ppbv	99
9) Propene	1.482	41	67742	7.549	ppbv	90
10) Heptane	4.988	43	256581	10.604	ppbv	98
11) Trichlorofluoromethane	1.877	101	175951	9.005	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139531	9.398	ppbv	99
13) Ethanol	1.722	45	6169	8.289	ppbv	96
14) Bromoethene	1.783	108	47516	9.039	ppbv	97
15) Acetone	1.835	43	145544	7.352	ppbv	99
16) 1,3-Butadiene	1.609	39	75425	8.933	ppbv	100
17) tert-Butyl alcohol	2.042	59	157530	8.823	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59735	8.904	ppbv	92
19) Isopropyl Alcohol	1.887	45	89890	8.545	ppbv	94
20) Methylene Chloride	2.062	84	53184	8.525	ppbv	92
21) Allyl Chloride	2.097	41	113975	9.342	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	66660	9.237	ppbv	90
23) Vinyl Acetate	2.463	43	267217	11.134	ppbv	99
24) 1,1-Dichloroethane	2.411	63	136610	9.222	ppbv	99
25) Ethyl Acetate	2.839	43	450028	10.270	ppbv	99
26) Hexane	2.829	57	193724	10.078	ppbv	98
27) Carbon Disulfide	2.152	76	164945	10.023	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	81968	9.026	ppbv	99
29) Chloroform	2.852	83	302251	10.176	ppbv	100
30) Cyclohexane	3.865	84	158206	9.705	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	189601	9.599	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	297175	9.605	ppbv	98
34) 2-Butanone	2.560	43	293015	10.737	ppbv	100
35) Carbon Tetrachloride	3.768	117	315193	11.014	ppbv	97
36) Benzene	3.661	78	389839	10.677	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236593	10.756	ppbv	100
38) Trichloroethene	4.557	130	174966	9.974	ppbv	97
39) 1,2-Dichloropropane	4.318	63	144769	10.741	ppbv	99
40) 1,4-Dioxane	4.590	88	61985	9.866	ppbv #	97
41) Tetrahydrofuran	3.059	42	157948	11.374	ppbv	97
42) Bromodichloromethane	4.496	83	324724	11.336	ppbv	98
43) Methyl Methacrylate	4.887	69	147145	11.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	673176	11.311	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	159751	10.976	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	205816	11.160	ppbv		97
47) 1,1,2-Trichloroethane	6.590	97	156216	10.873	ppbv		98
48) Dibromochloromethane	7.396	129	262522	11.510	ppbv		99
49) Bromoform	9.493	173	234893	11.811	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	403132	11.467	ppbv		98
51) 2-Hexanone	7.441	43	322822	12.152	ppbv	#	98
52) Tetrachloroethene	8.234	164	144051	9.518	ppbv		94
53) Toluene	6.943	91	436601	11.135	ppbv		99
54) 1,2-Dibromoethane	7.661	107	226779	11.172	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.930	131	199484	11.035	ppbv		99
57) Chlorobenzene	8.930	112	353946	10.519	ppbv		97
58) Ethyl Benzene	9.364	91	615615	11.212	ppbv		100
59) m/p-Xylene	9.558	91	1021929m	23.289	ppbv		
60) o-Xylene	9.969	91	509306	11.615	ppbv		99
61) Styrene	9.878	104	217878	11.813	ppbv		99
62) Isopropylbenzene	10.545	105	731077	11.304	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290577	10.323	ppbv		99
64) n-propylbenzene	10.995	120	196210	11.637	ppbv		100
65) tert-Butylbenzene	11.535	119	656497	11.427	ppbv		99
66) Benzyl Chloride	11.623	91	64301	13.634	ppbv		99
67) sec-Butylbenzene	11.772	105	929357	11.374	ppbv		100
69) p-Isopropyltoluene	11.930	119	783925	11.766	ppbv		100
70) n-Butylbenzene	12.286	91	802758	12.474	ppbv		99
71) 2-Chlorotoluene	10.908	91	560672	11.306	ppbv		99
72) 4-Ethyltoluene	11.131	105	622768	11.893	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	522269	12.114	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	576097	12.248	ppbv		97
75) 1,3-Dichlorobenzene	11.613	146	370097	11.224	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	365448	11.326	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	357874	11.043	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	289316	9.863	ppbv		99
79) Naphthalene	13.516	128	552592	10.791	ppbv		99
80) Naphthalene,2-methyl-	14.461	142	210490	8.445	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	310917	10.803	ppbv		99

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

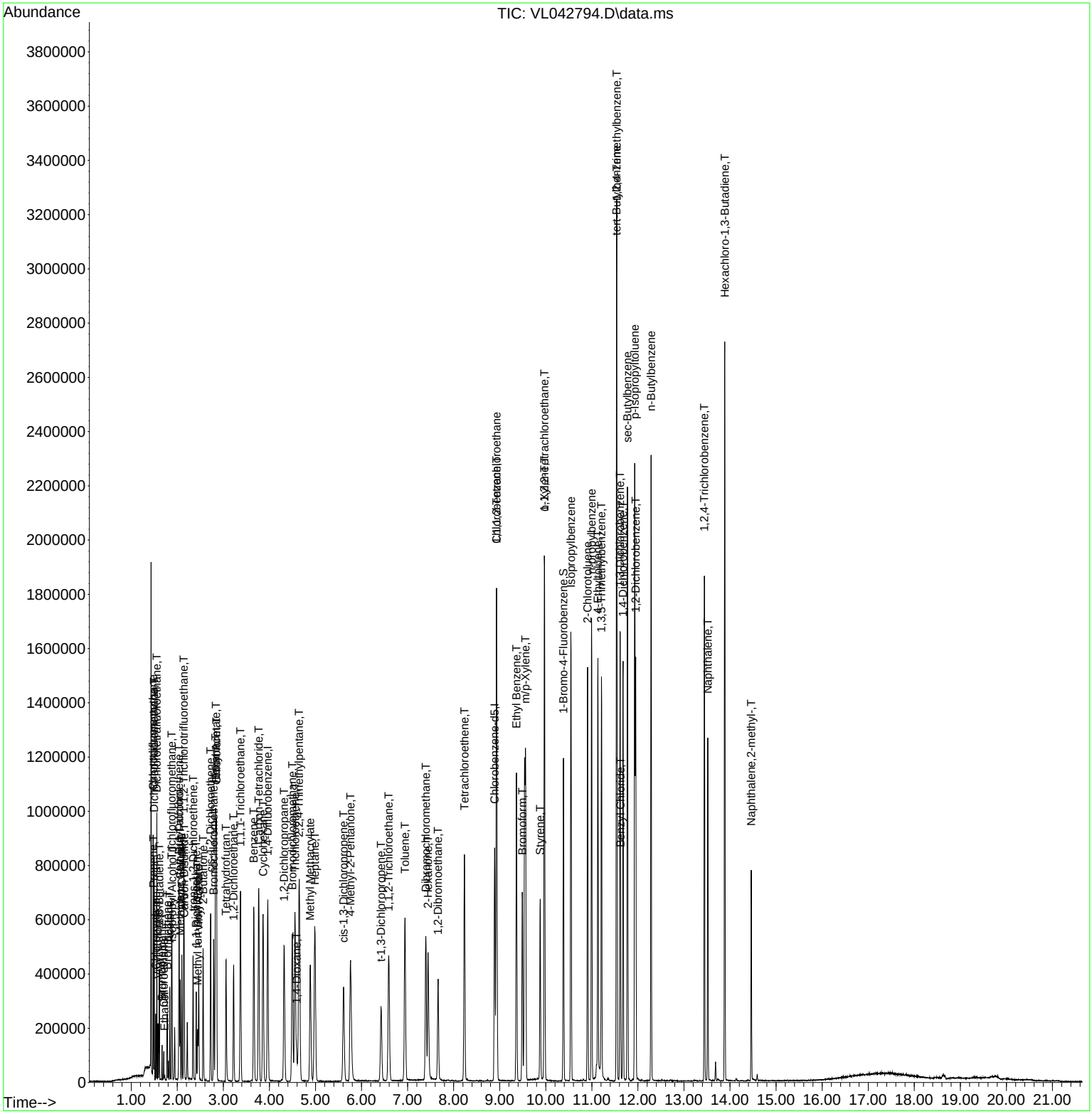
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

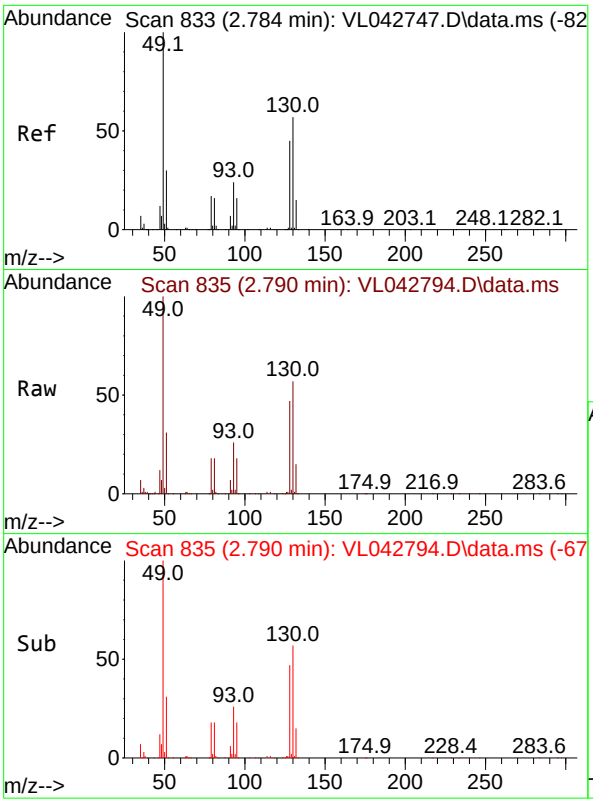
Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

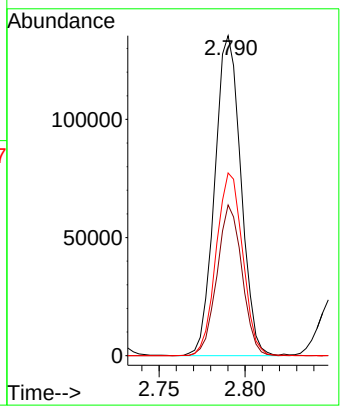




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 49 Resp: 14336

Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.6	71.0
130	57.8	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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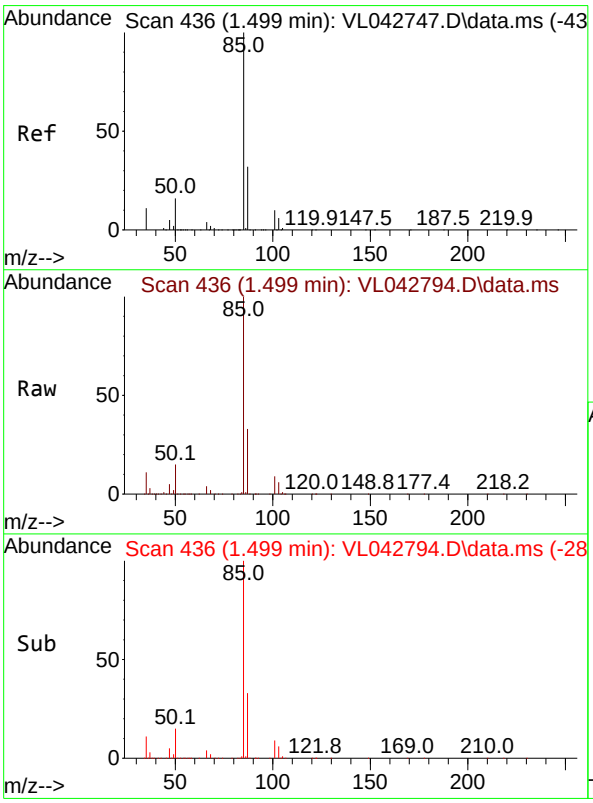
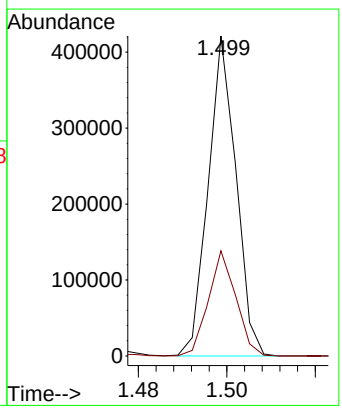
Supervised By :Mahesh Dadoda 08/01/2025

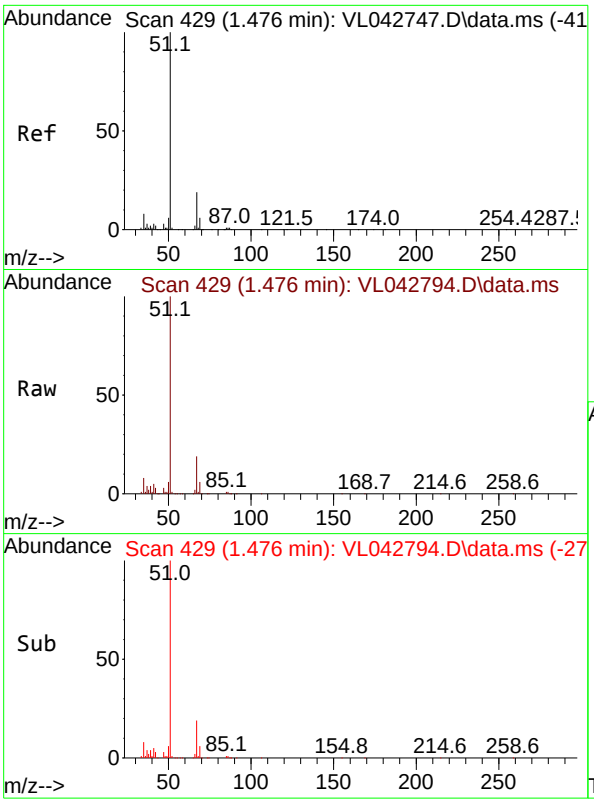


#2
Dichlorodifluoromethane
Concen: 9.703 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 183911

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.4	38.2

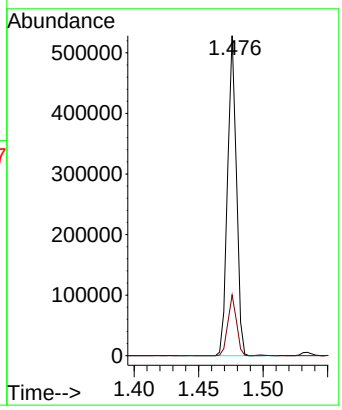




#3
Chlorodifluoromethane
Concen: 10.137 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 51 Resp: 25029

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.6



Instrument :
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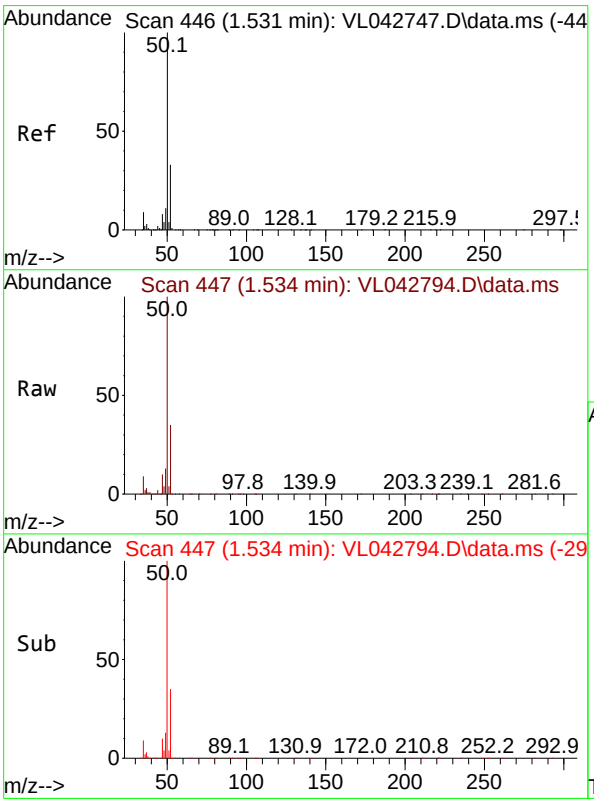
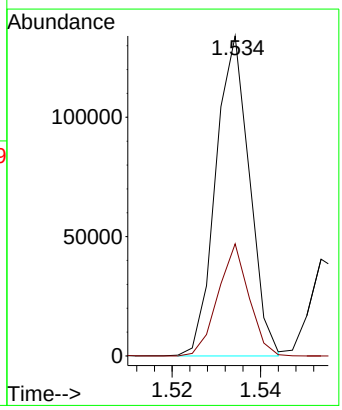
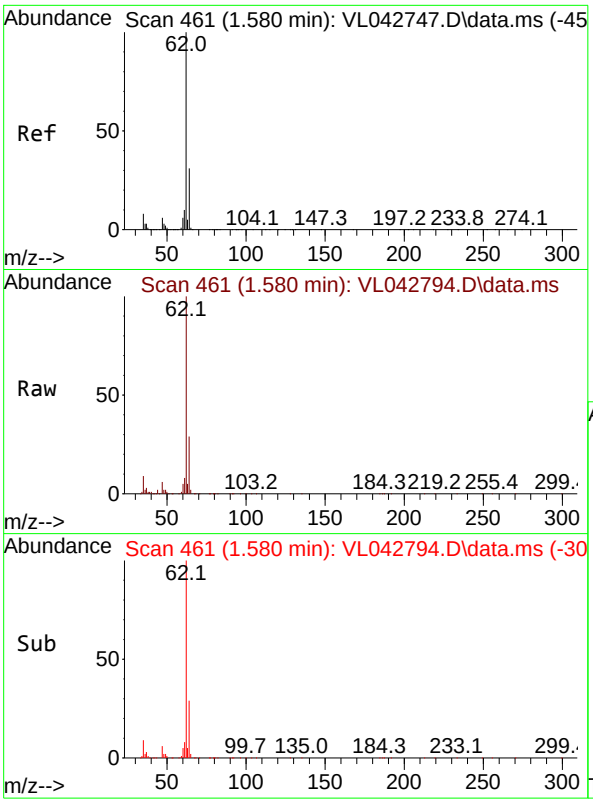


#4
Chloromethane
Concen: 9.237 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 50 Resp: 70831

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.6	40.0

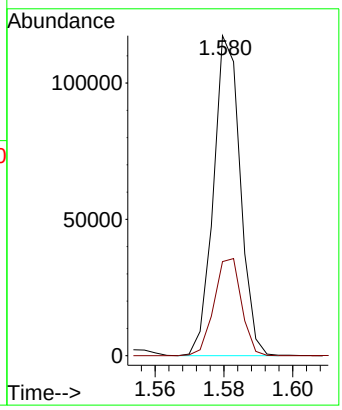




#5
Vinyl Chloride
Concen: 8.370 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 62 Resp: 6341

Ion	Ratio	Lower	Upper
62	100		
64	29.4	24.5	36.7



Instrument :
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ClientSampleId :
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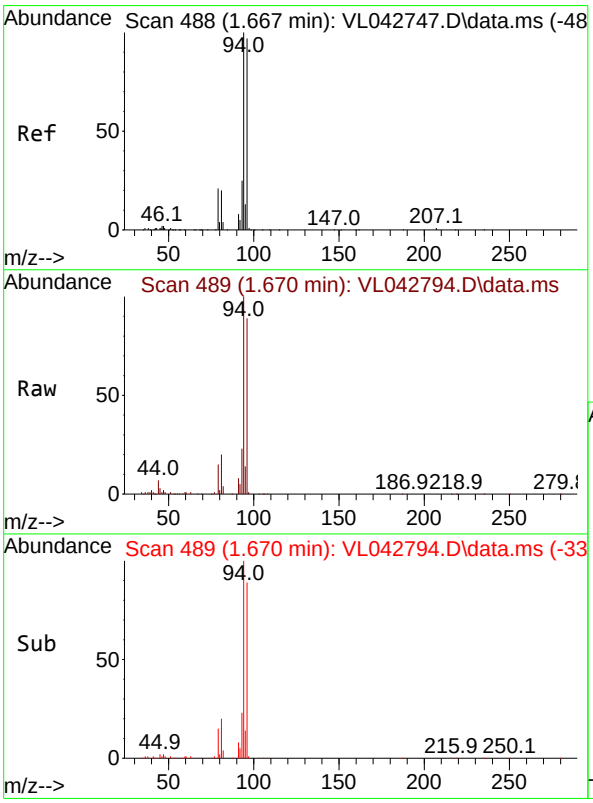
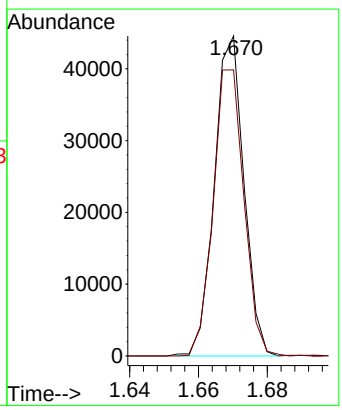
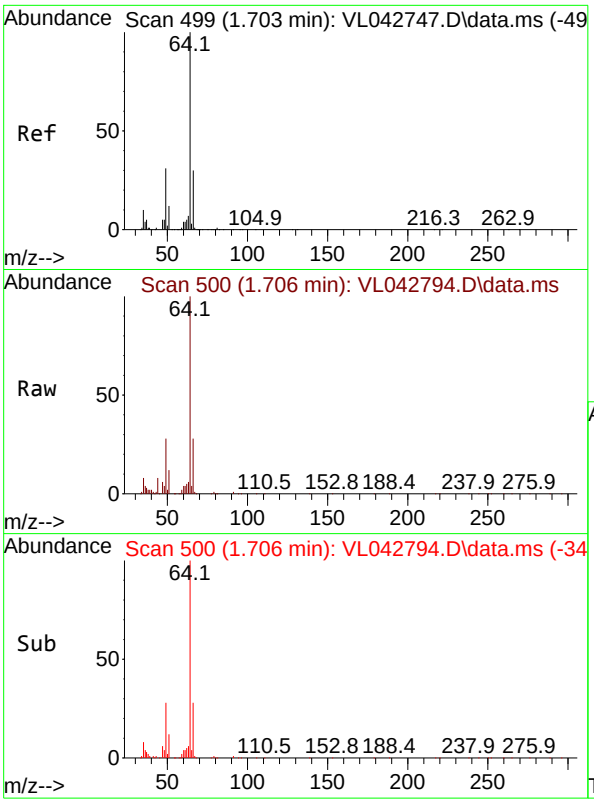


#6
Bromomethane
Concen: 9.069 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 94 Resp: 26564

Ion	Ratio	Lower	Upper
94	100		
96	89.4	77.6	116.4

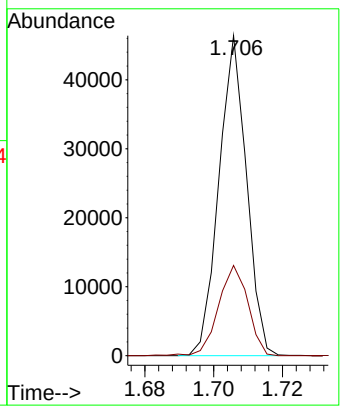




#7
Chloroethane
Concen: 8.818 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 64 Resp: 2581

Ion	Ratio	Lower	Upper
64	100		
66	28.2	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
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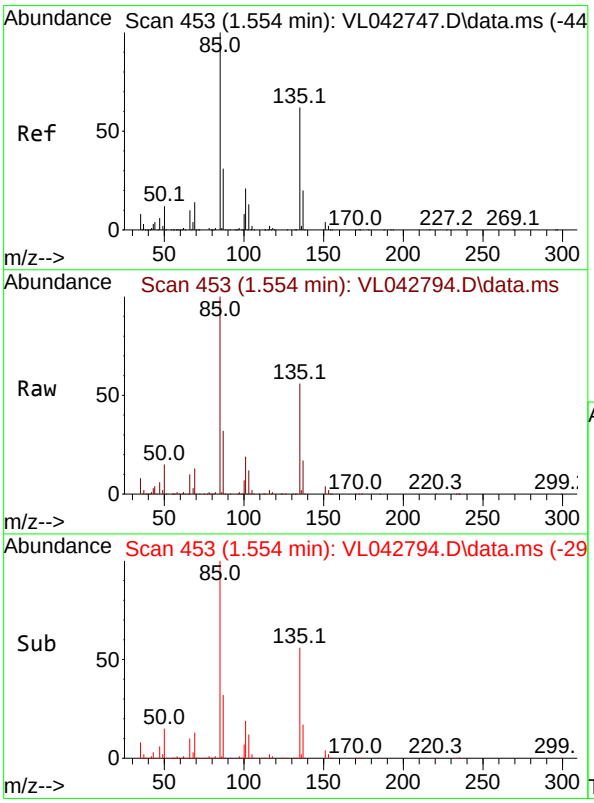
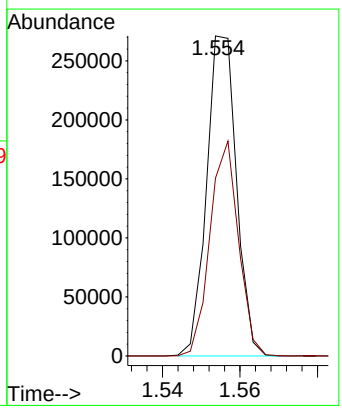
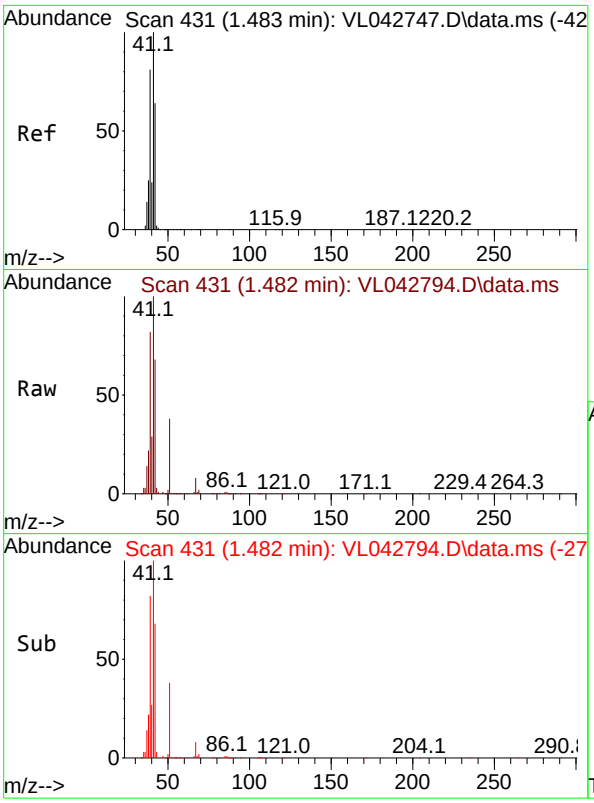


#8
Dichlorotetrafluoroethane
Concen: 9.343 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 145635

Ion	Ratio	Lower	Upper
85	100		
135	64.1	50.6	76.0

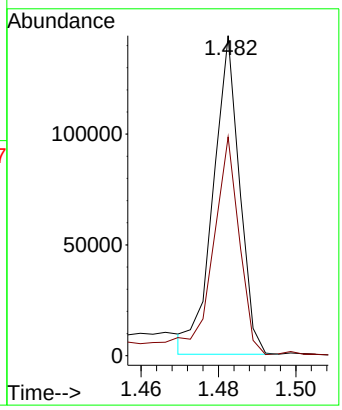




#9
Propene
Concen: 7.549 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 41 Resp: 6774

Ion	Ratio	Lower	Upper
41	100		
42	74.8	53.2	79.8



Instrument :
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ClientSampleId :
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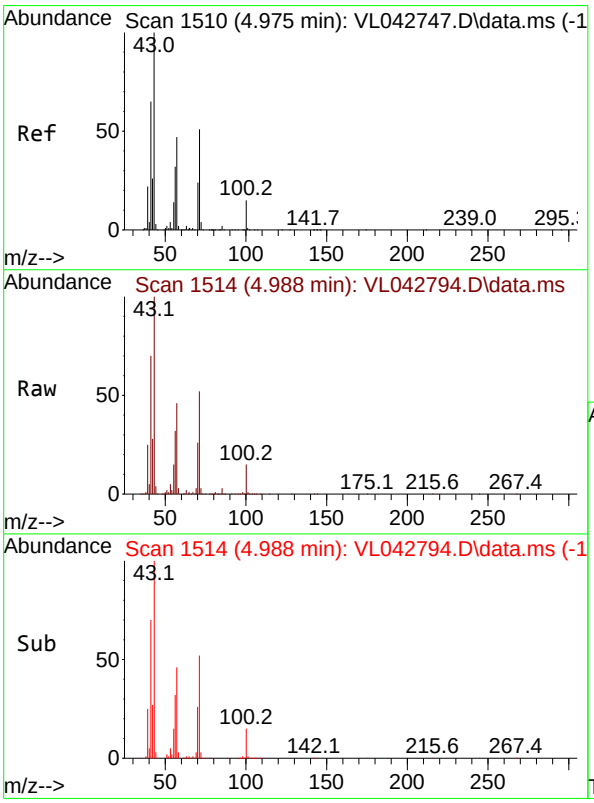
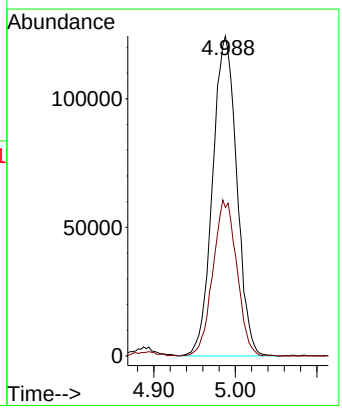
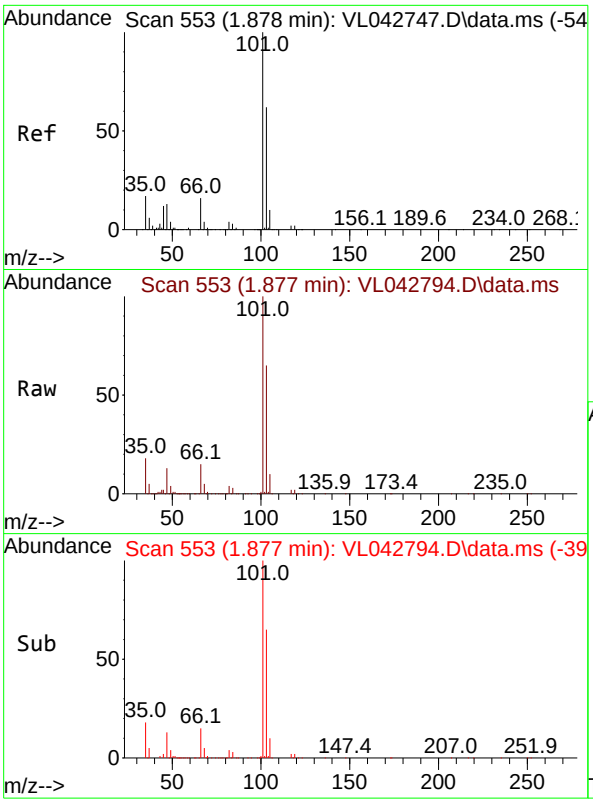


#10
Heptane
Concen: 10.604 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 256581

Ion	Ratio	Lower	Upper
43	100		
57	48.4	39.9	59.9





#11
Trichlorofluoromethane
Concen: 9.005 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:101 Resp: 17595

Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.6	74.4

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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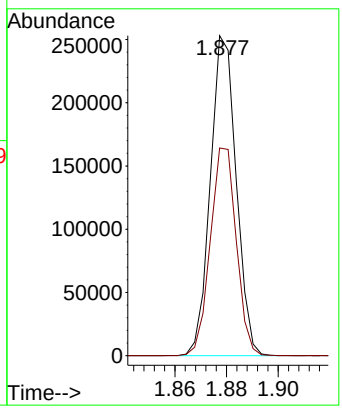
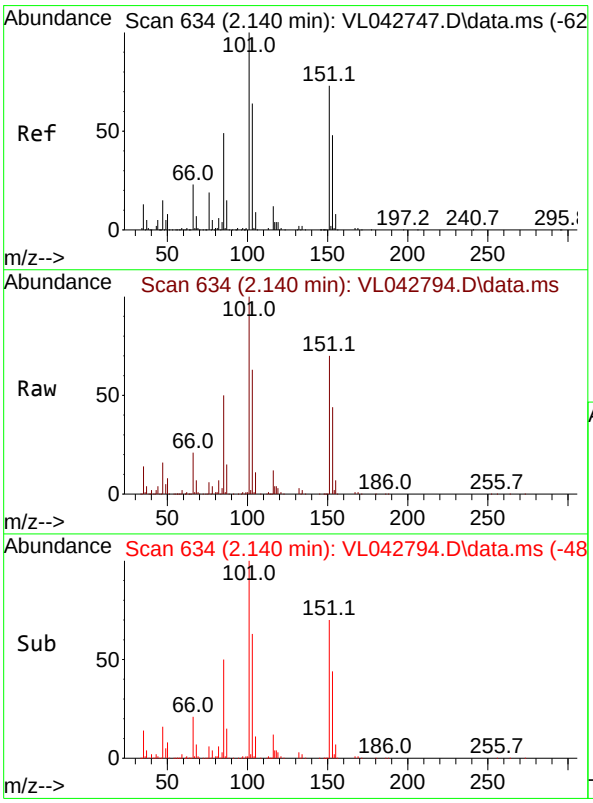
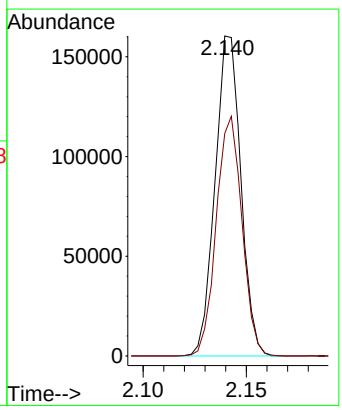


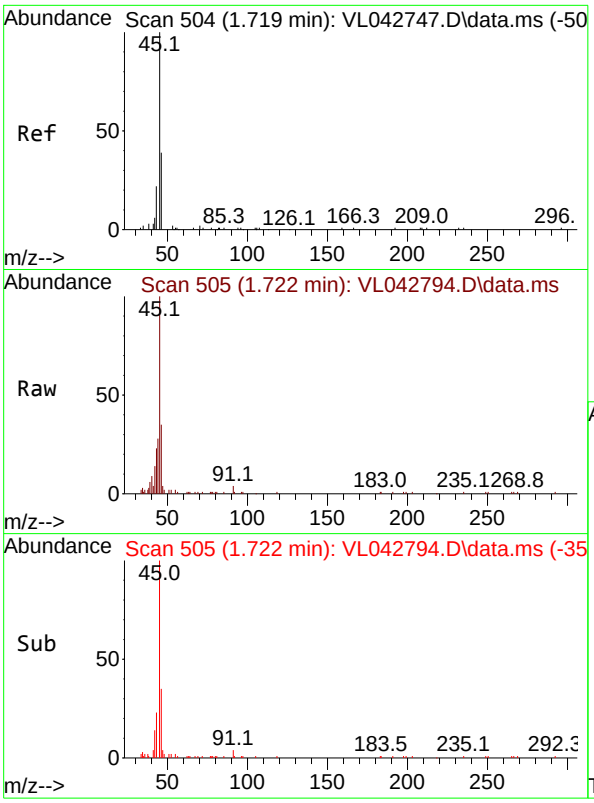


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.398 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:101 Resp: 139531

Ion	Ratio	Lower	Upper
101	100		
151	74.5	60.5	90.7

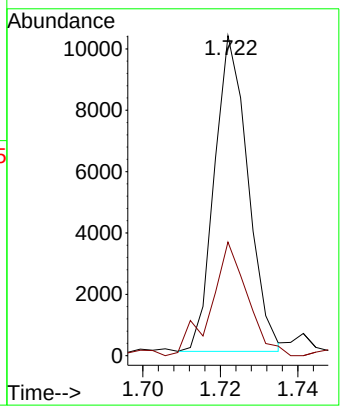




#13
Ethanol
Concen: 8.289 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 45 Resp: 616

Ion	Ratio	Lower	Upper
45	100		
46	42.1	17.8	71.4



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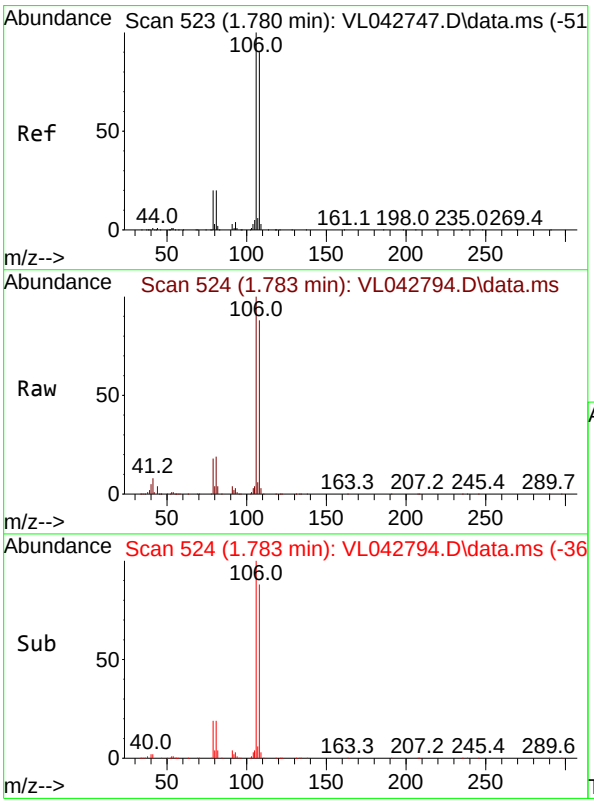
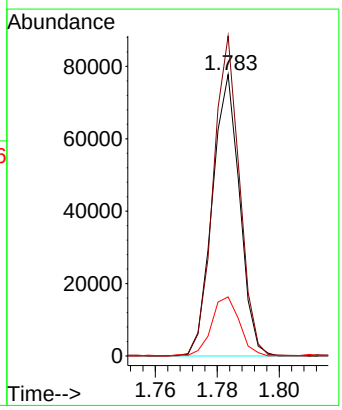
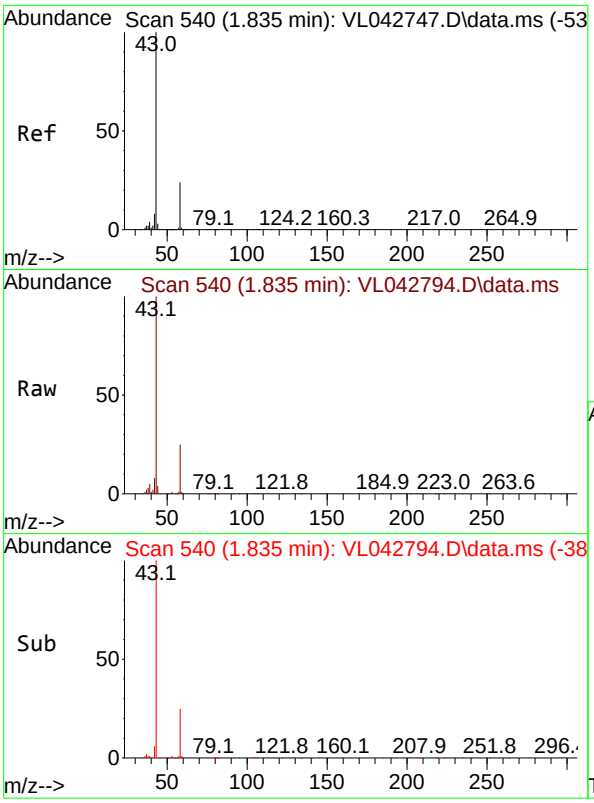


#14
Bromoethene
Concen: 9.039 ppbv
RT: 1.783 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:108 Resp: 47516

Ion	Ratio	Lower	Upper
108	100		
106	109.8	84.7	127.1
79	22.7	17.4	26.2





#15
Acetone
Concen: 7.352 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 14554

Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.8	29.8

Instrument :
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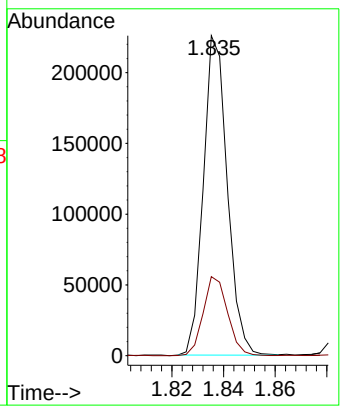
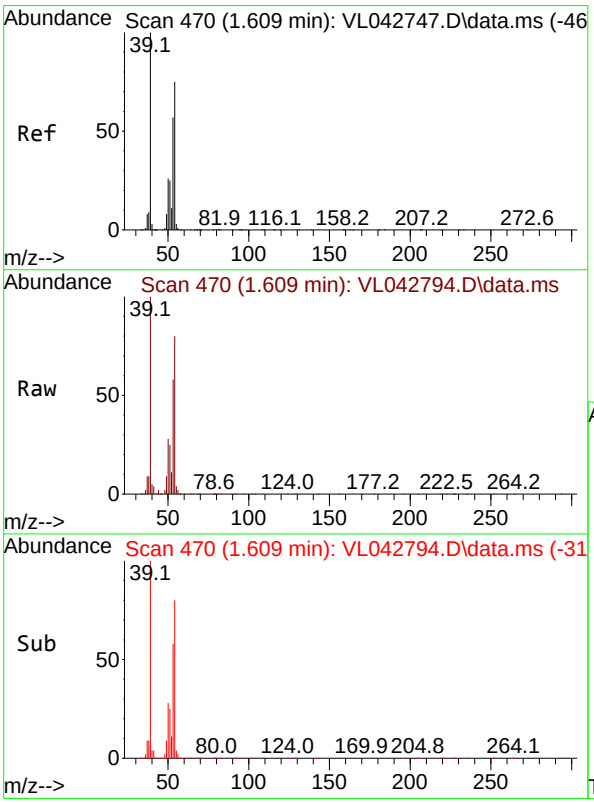
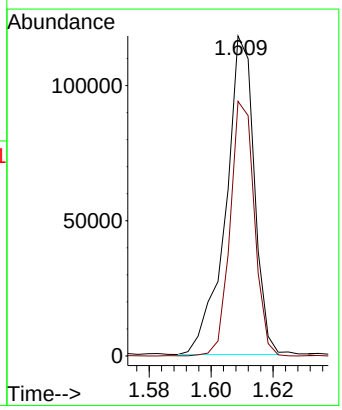


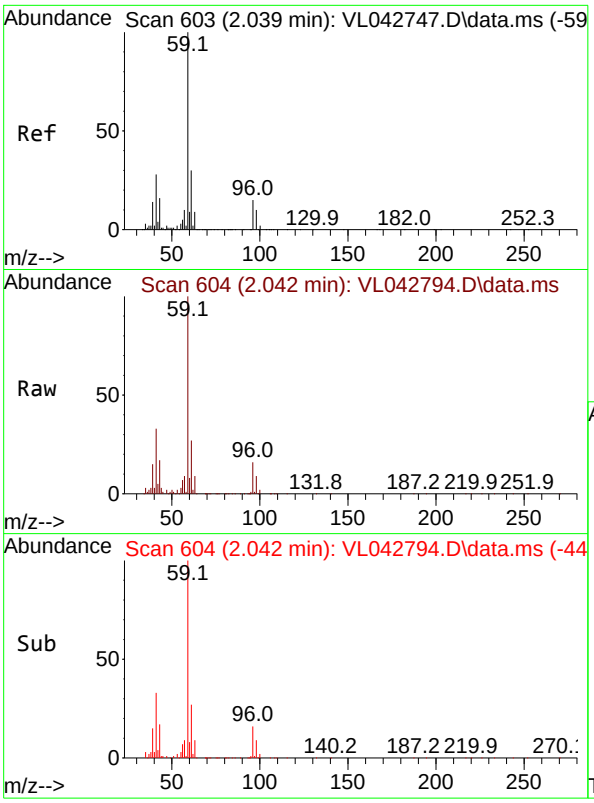


#16
1,3-Butadiene
Concen: 8.933 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 39 Resp: 75425

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7

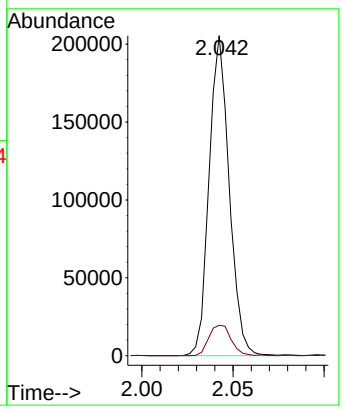




#17
tert-Butyl alcohol
Concen: 8.823 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 59 Resp: 15753

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5



Instrument :
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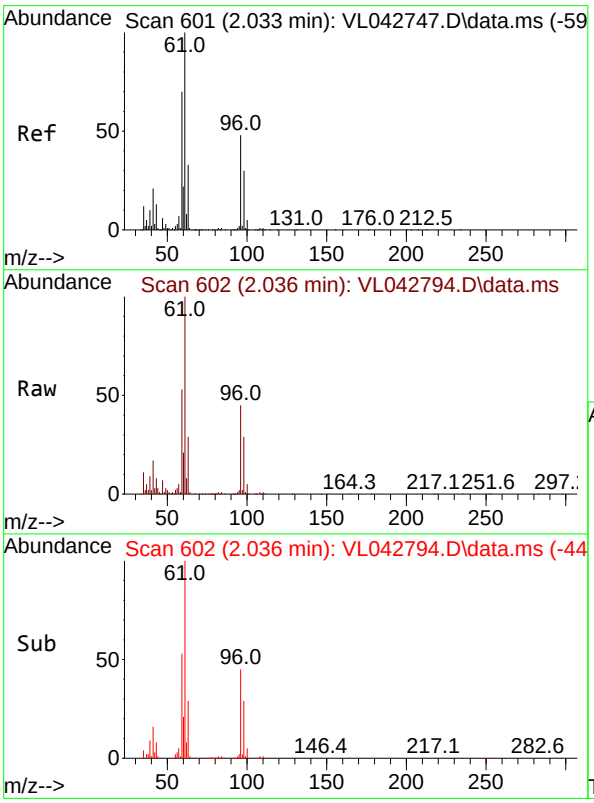
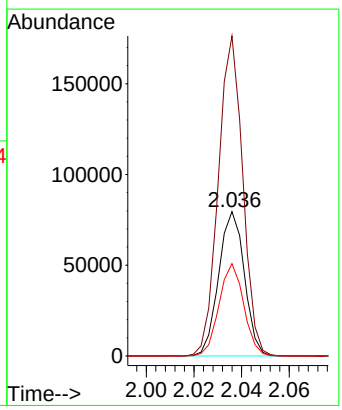
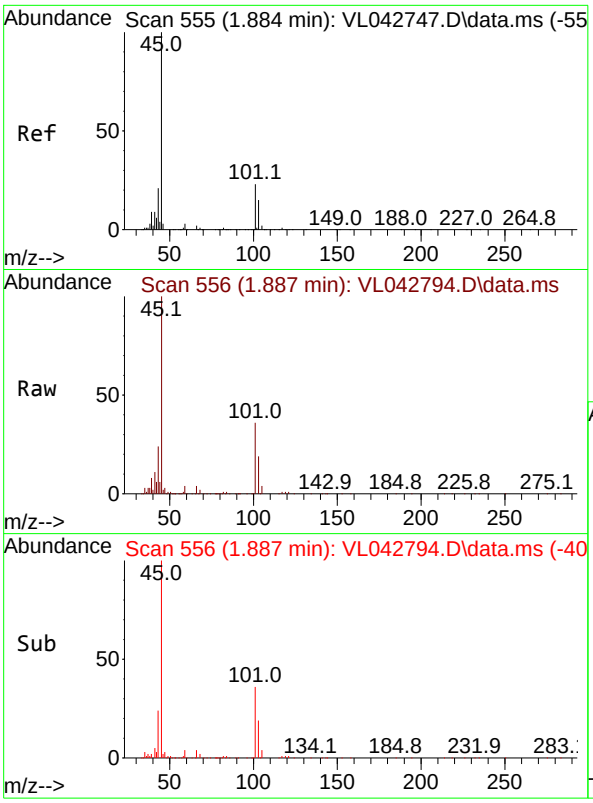


#18
1,1-Dichloroethene
Concen: 8.904 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 96 Resp: 59735

Ion	Ratio	Lower	Upper
96	100		
61	221.7	165.8	248.6
98	64.0	49.9	74.9





#19
Isopropyl Alcohol
Concen: 8.545 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 45 Resp: 8989

Ion	Ratio	Lower	Upper
45	100		
58	41.1	30.0	45.0

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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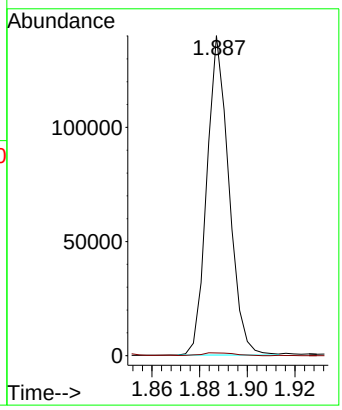
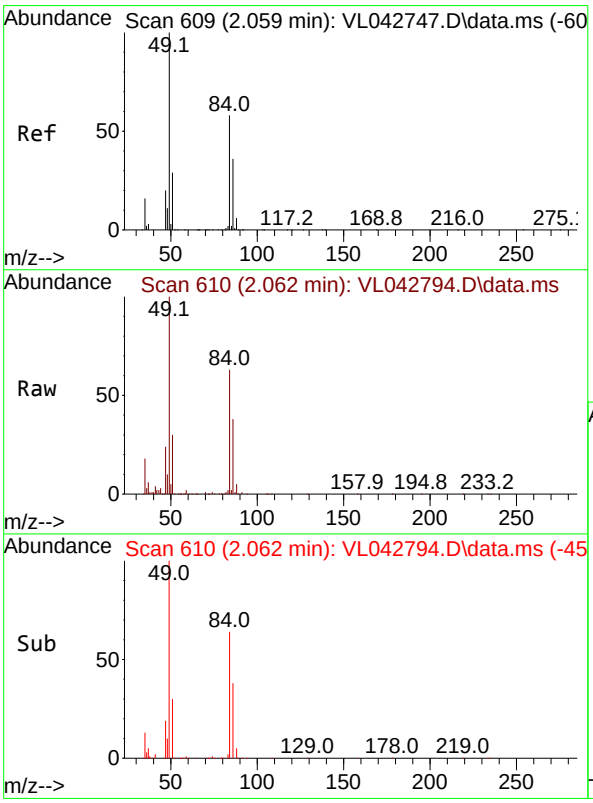
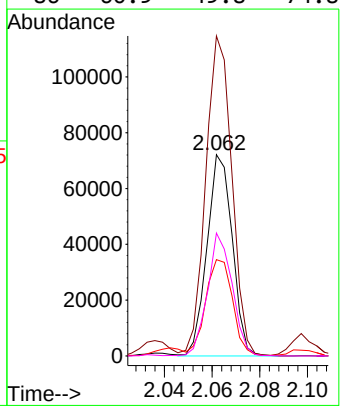


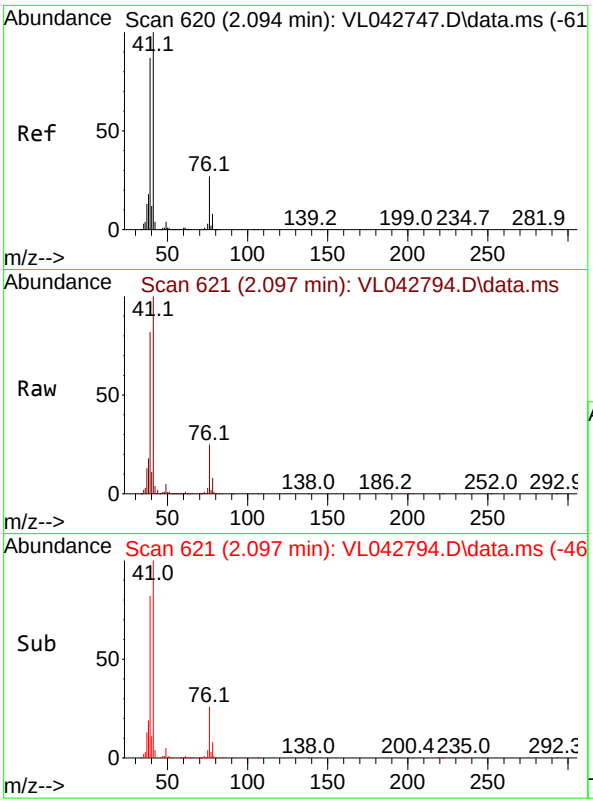


#20
Methylene Chloride
Concen: 8.525 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 84 Resp: 53184

Ion	Ratio	Lower	Upper
84	100		
49	158.0	138.6	208.0
51	47.4	40.6	61.0
86	60.9	49.8	74.8

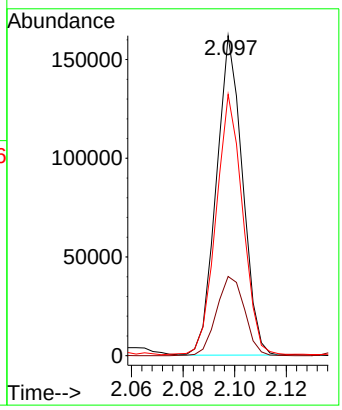




#21
Allyl Chloride
Concen: 9.342 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 41 Resp: 11397

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.1	31.7
39	83.0	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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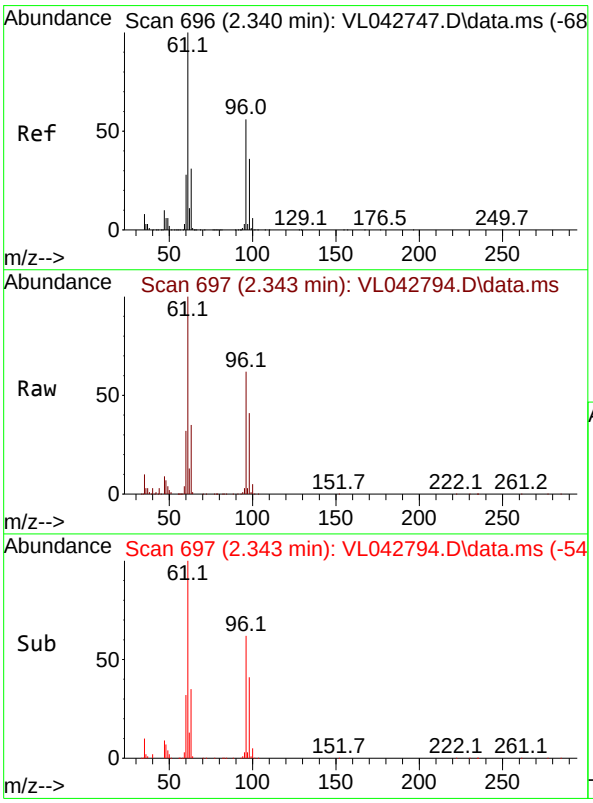
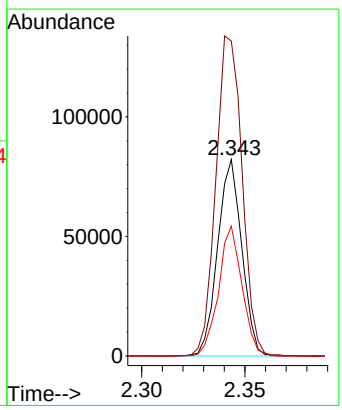
Supervised By :Mahesh Dadoda 08/01/2025

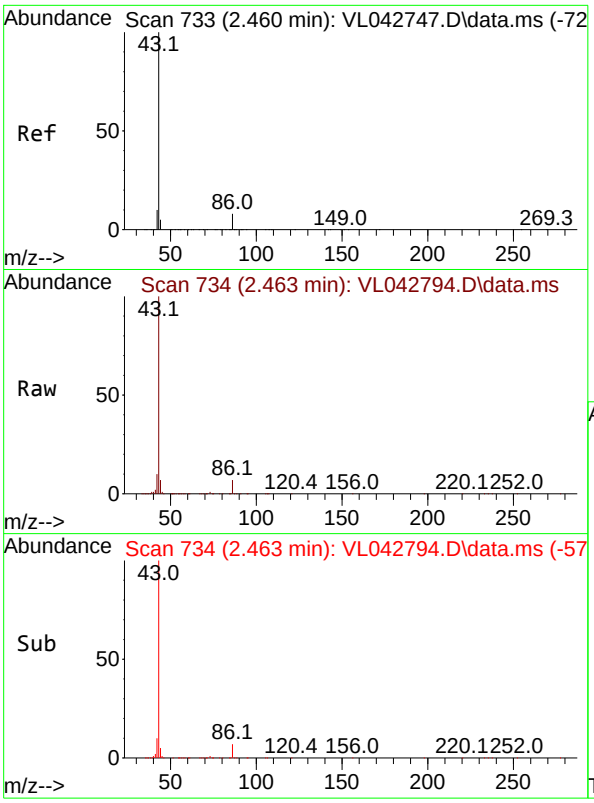


#22
trans-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 2.343 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 96 Resp: 66660

Ion	Ratio	Lower	Upper
96	100		
61	160.3	142.3	213.5
98	66.1	50.6	76.0

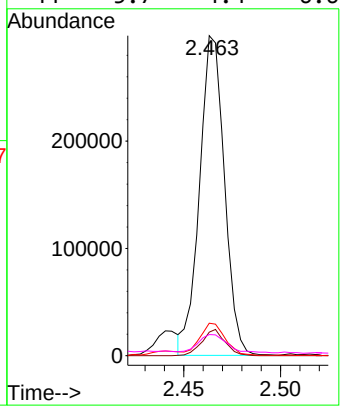




#23
Vinyl Acetate
Concen: 11.134 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 26721

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.0	7.8	11.8
44	5.7	4.4	6.6



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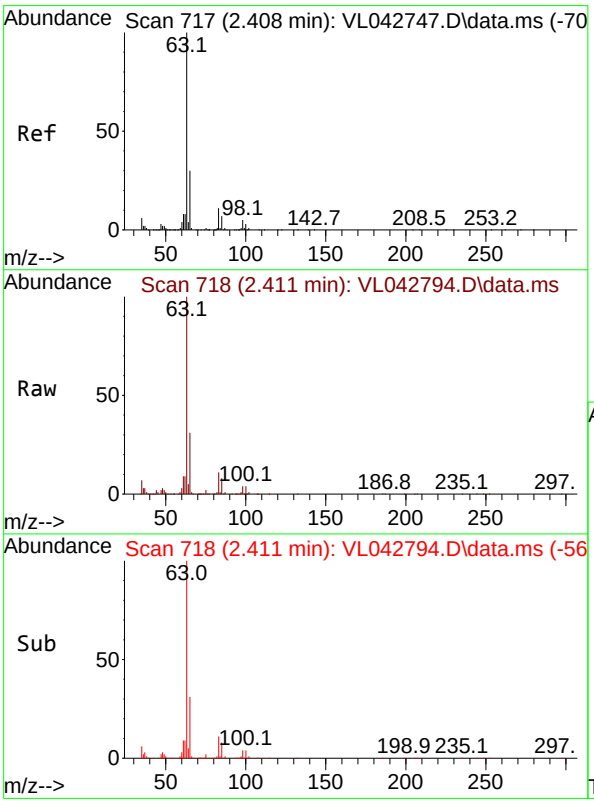
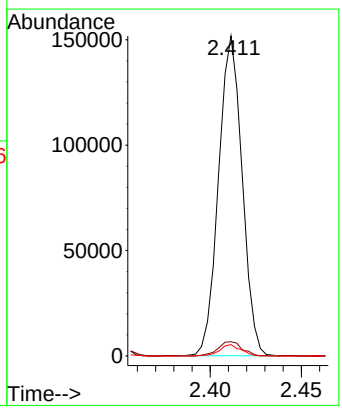
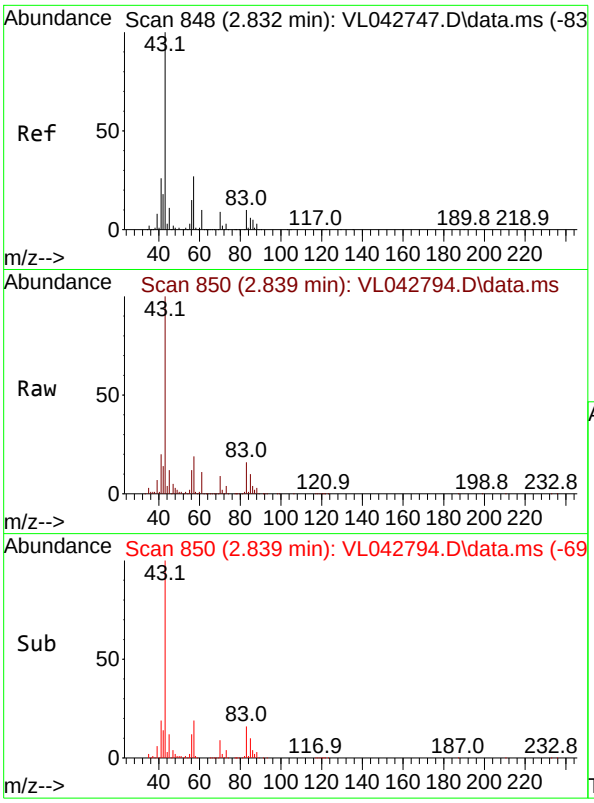


#24
1,1-Dichloroethane
Concen: 9.222 ppbv
RT: 2.411 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 63 Resp: 136610

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.4
100	3.6	1.6	4.8

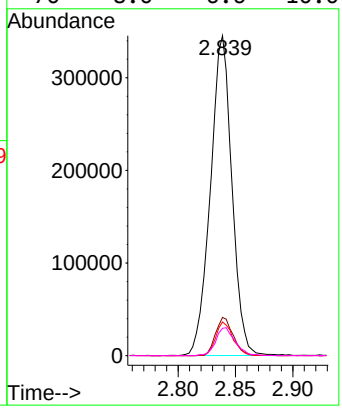




#25
Ethyl Acetate
Concen: 10.270 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 45002

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.6	6.7	10.1
70	8.0	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
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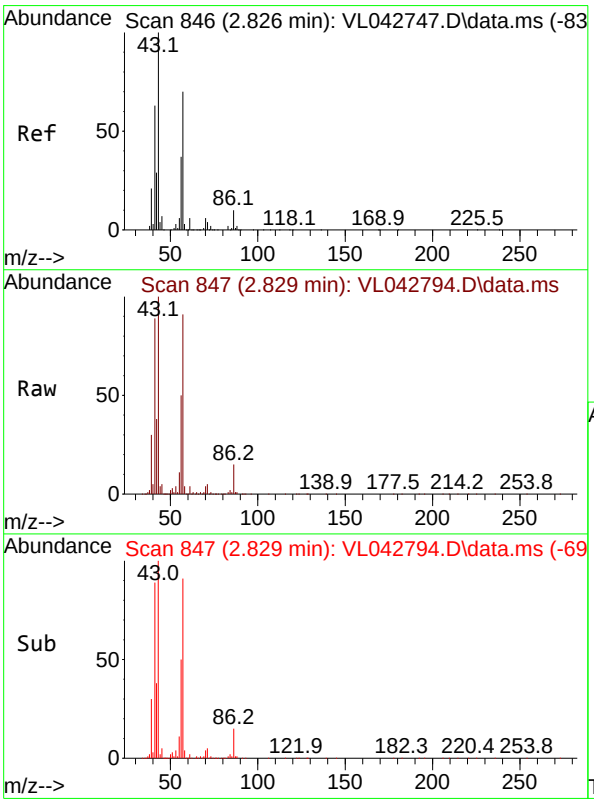
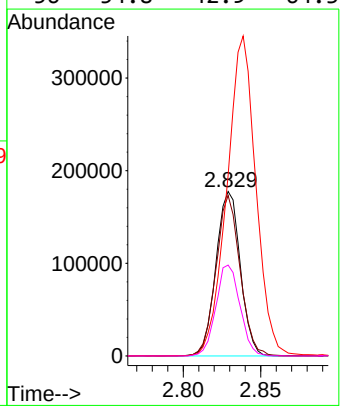
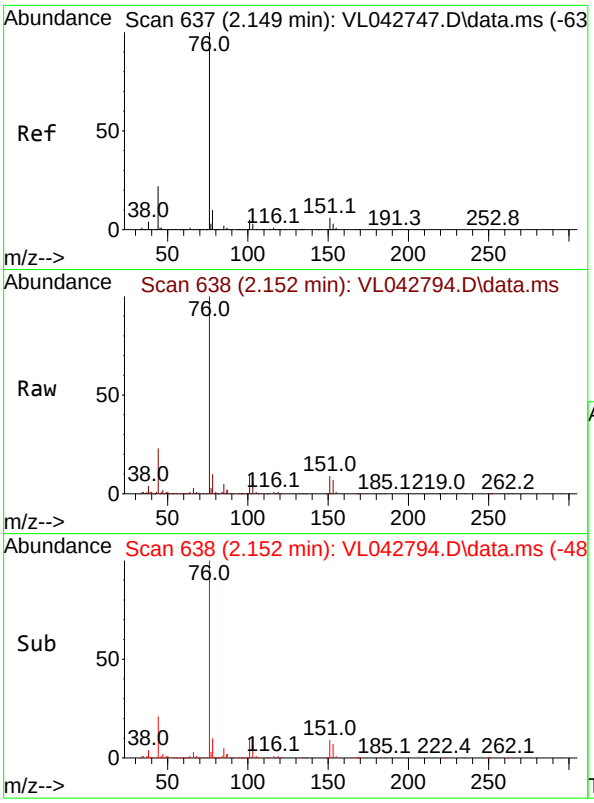


#26
Hexane
Concen: 10.078 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57 Resp: 193724

Ion	Ratio	Lower	Upper
57	100		
41	96.9	75.4	113.2
43	233.0	185.0	277.6
56	54.8	42.9	64.3

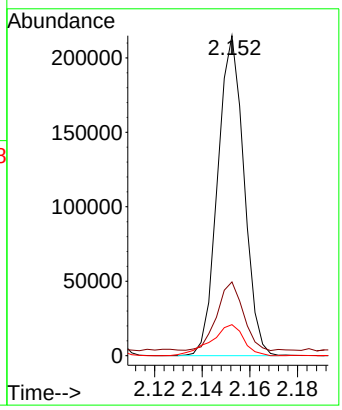




#27
Carbon Disulfide
Concen: 10.023 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 76 Resp: 16494

Ion	Ratio	Lower	Upper
76	100		
44	26.1	19.3	28.9
78	12.0	9.9	14.9



Instrument :
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ClientSampleId :
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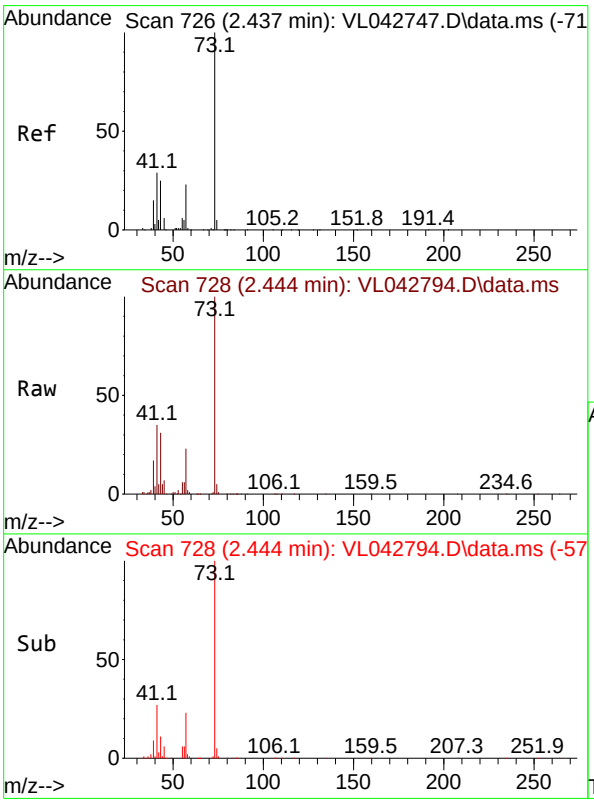
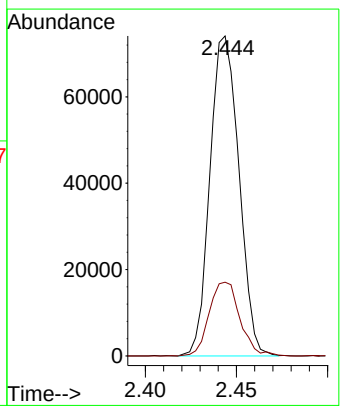
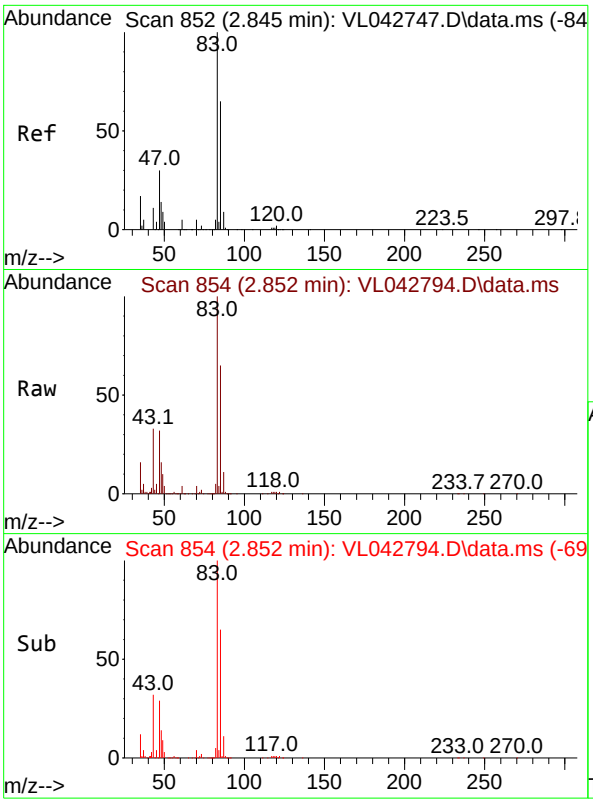


#28
Methyl tert-Butyl Ether
Concen: 9.026 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 73 Resp: 81968

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8

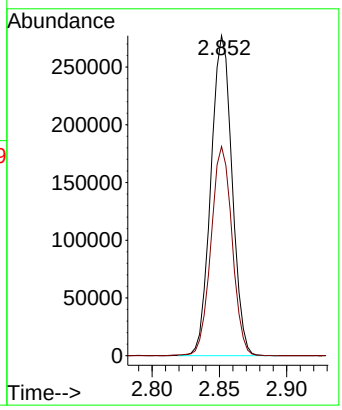




#29
Chloroform
Concen: 10.176 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 83 Resp: 30225

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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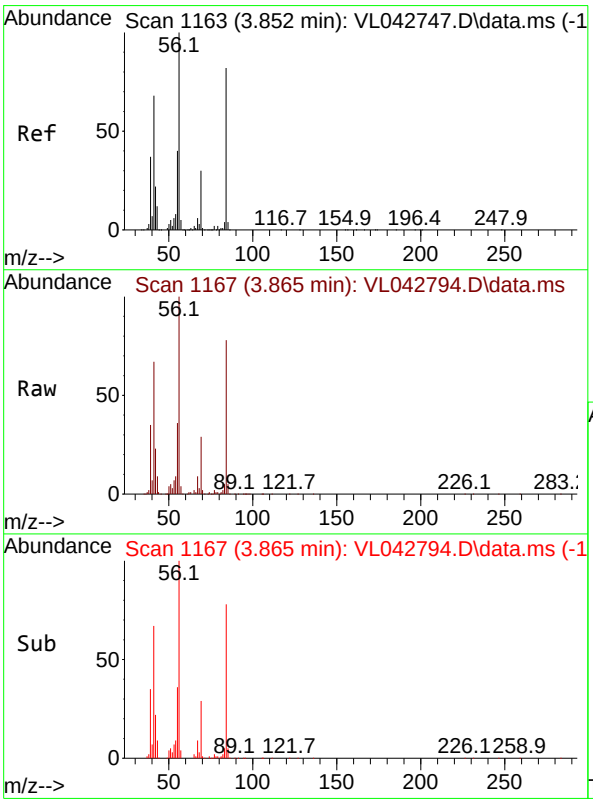
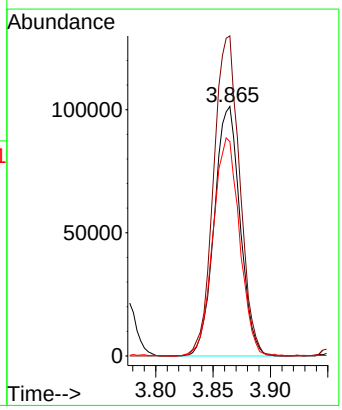
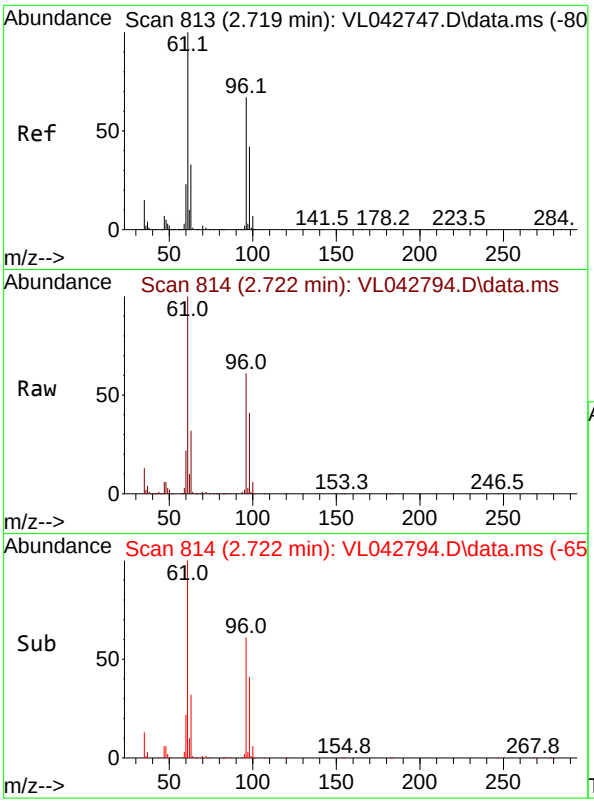


#30
Cyclohexane
Concen: 9.705 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 84 Resp: 158206

Ion	Ratio	Lower	Upper
84	100		
56	129.8	97.5	146.3
41	90.1	67.2	100.8

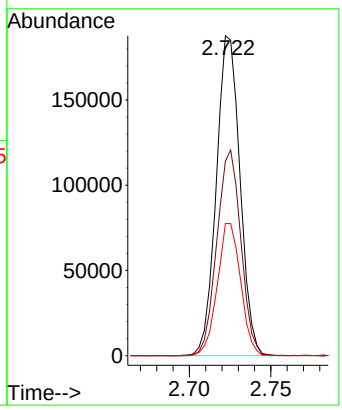




#31
cis-1,2-Dichloroethene
Concen: 9.599 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 61 Resp: 18960

Ion	Ratio	Lower	Upper
61	100		
96	60.8	53.5	80.3
98	41.3	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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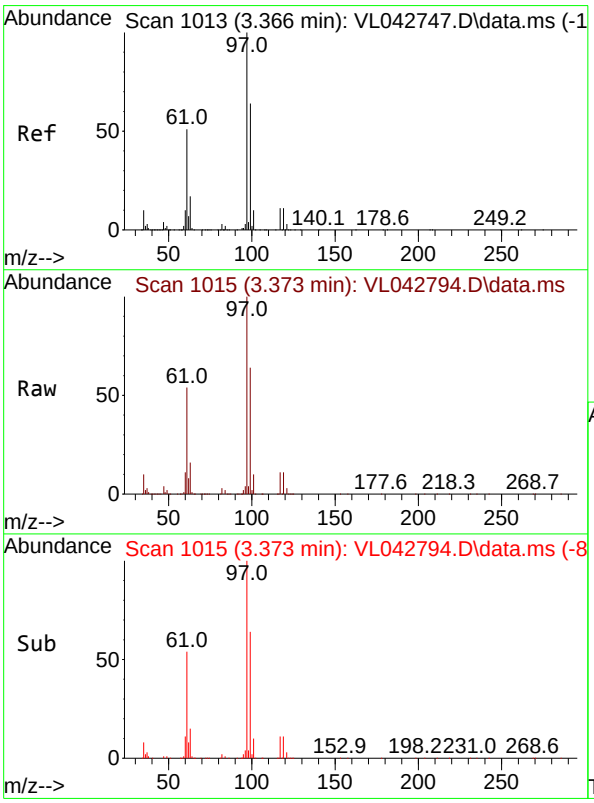
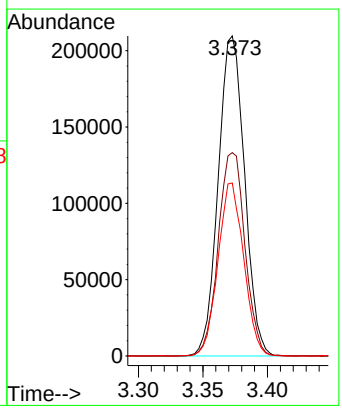
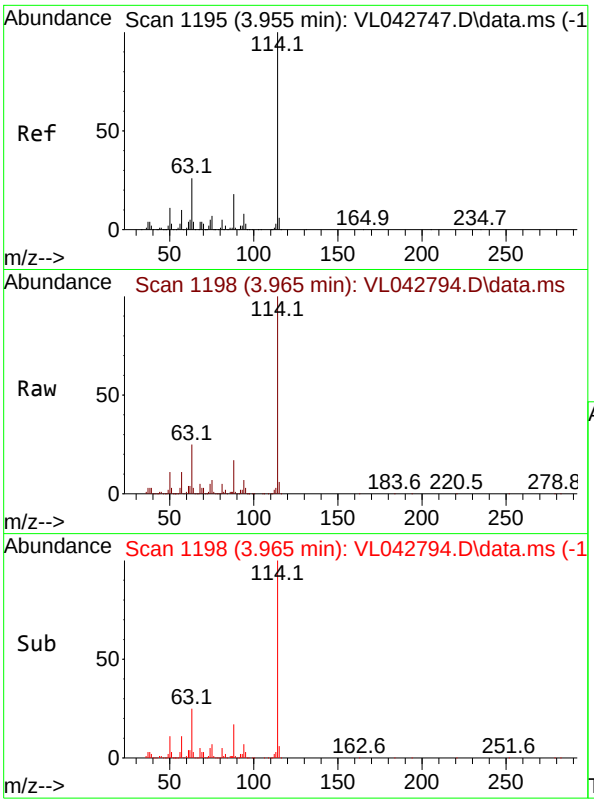


#32
1,1,1-Trichloroethane
Concen: 9.605 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 97 Resp: 297175

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	53.0	40.9	61.3

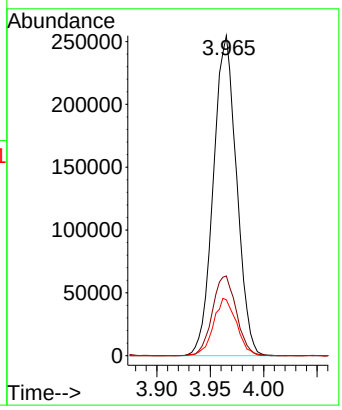




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:114 Resp: 38527

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
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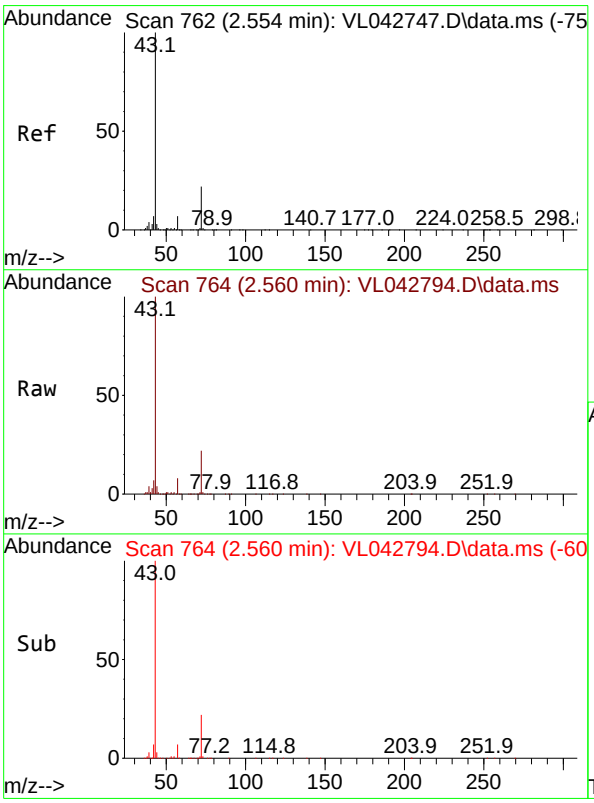
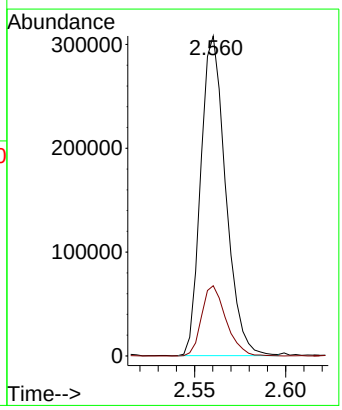
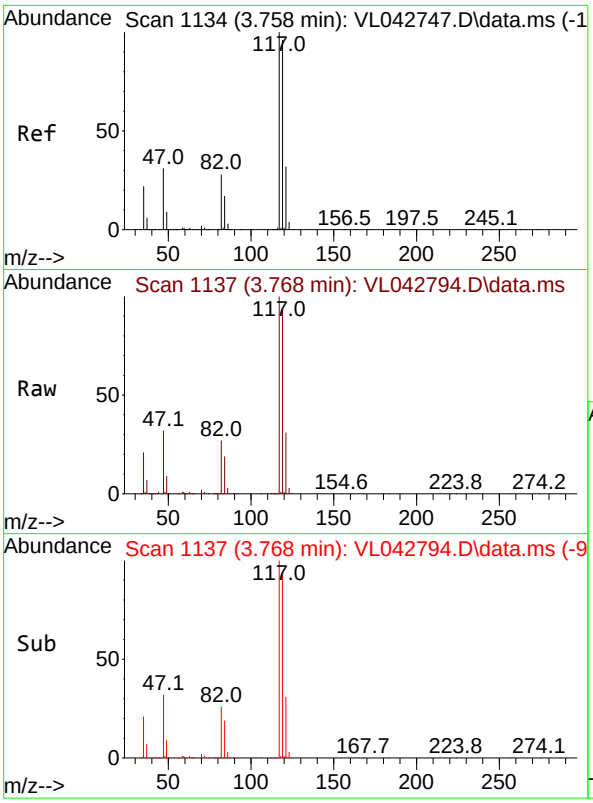


#34
2-Butanone
Concen: 10.737 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 293015

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.4	26.0

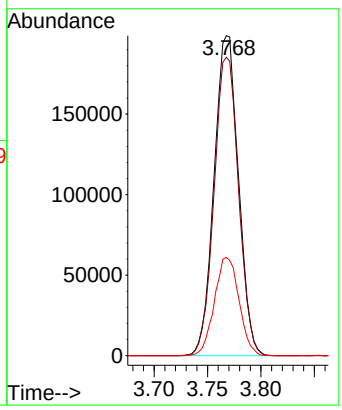




#35
Carbon Tetrachloride
Concen: 11.014 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:117 Resp: 31519

Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.1	115.7
121	30.7	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
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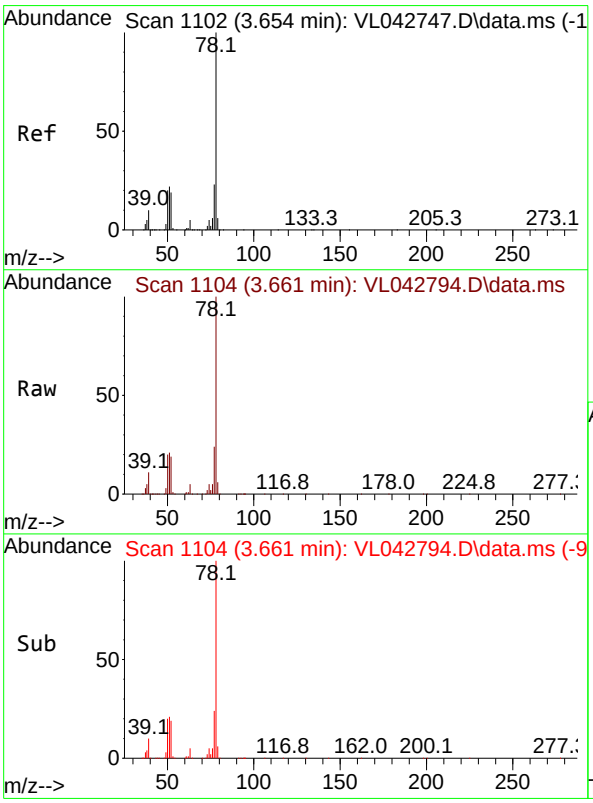
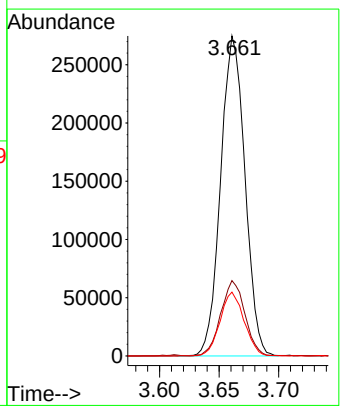
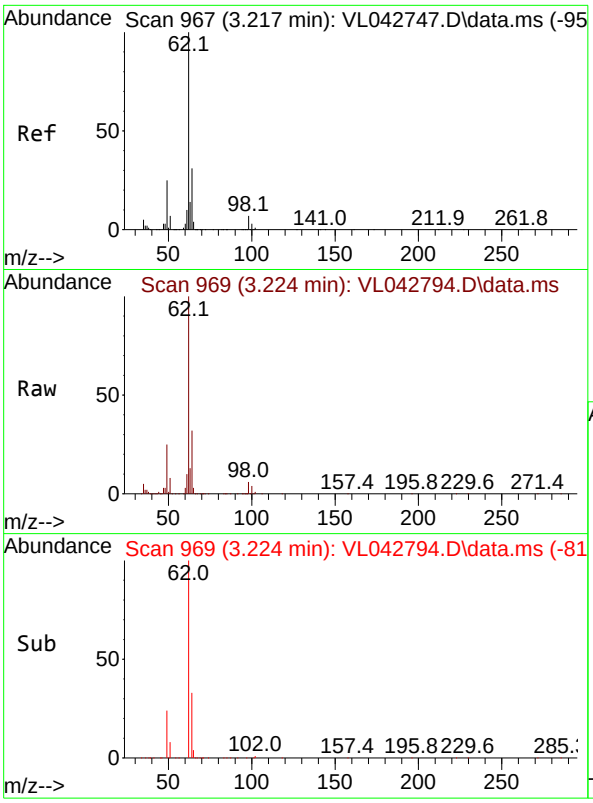


#36
Benzene
Concen: 10.677 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 78 Resp: 389839

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7
50	19.9	16.2	24.2

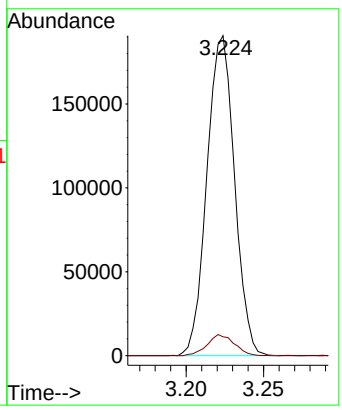




#37
1,2-Dichloroethane
Concen: 10.756 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 62 Resp: 23659

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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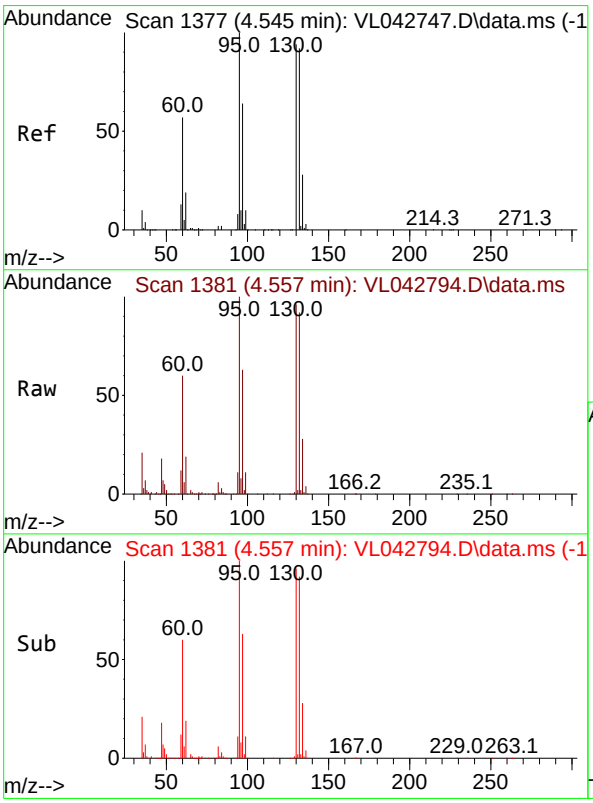
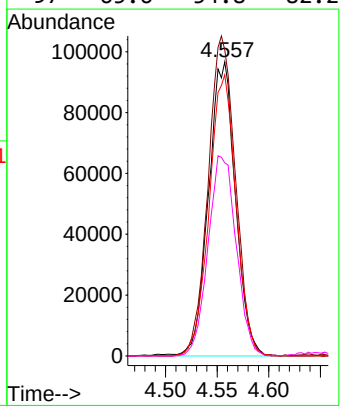
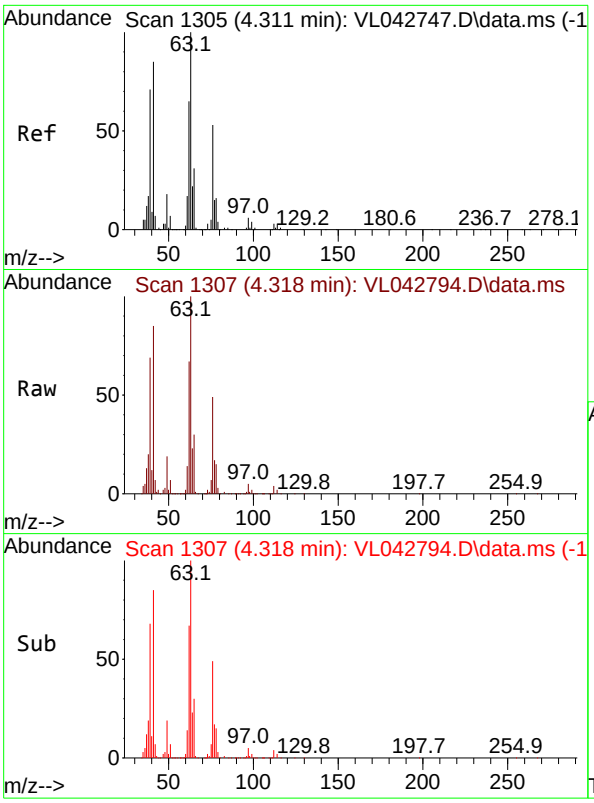


#38
Trichloroethene
Concen: 9.974 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:130 Resp: 174966

Ion	Ratio	Lower	Upper
130	100		
95	104.0	85.4	128.2
132	95.6	78.2	117.2
97	65.6	54.8	82.2

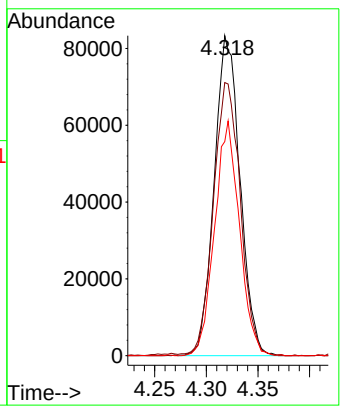




#39
1,2-Dichloropropane
Concen: 10.741 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 63 Resp: 14476

Ion	Ratio	Lower	Upper
63	100		
41	84.8	68.2	102.4
62	66.9	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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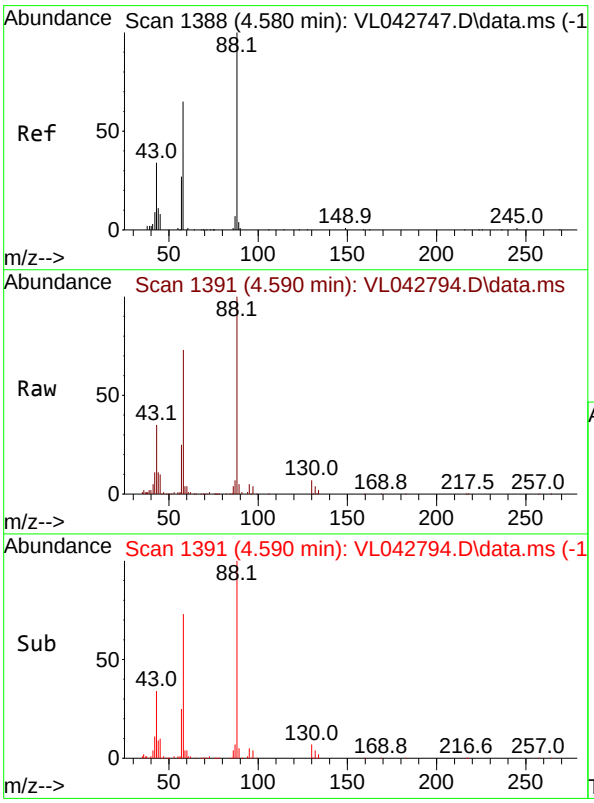
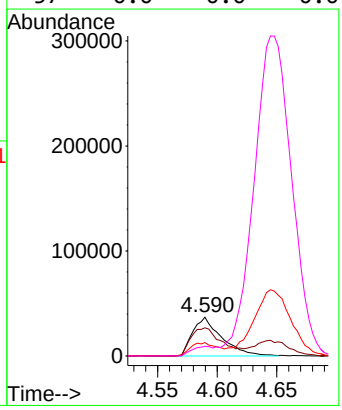
Supervised By :Mahesh Dadoda 08/01/2025

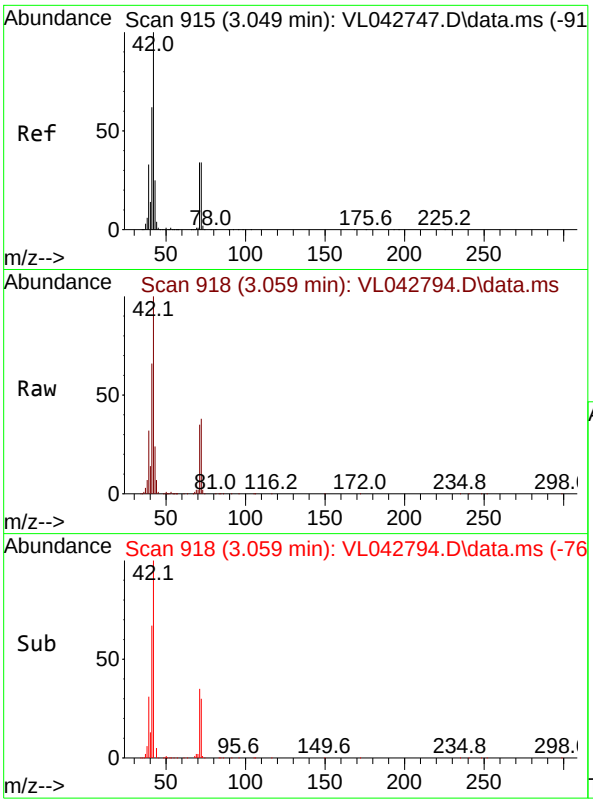


#40
1,4-Dioxane
Concen: 9.866 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 88 Resp: 61985

Ion	Ratio	Lower	Upper
88	100		
58	74.7	58.8	88.2
43	32.4	28.9	43.3
57	0.0	0.0	0.0

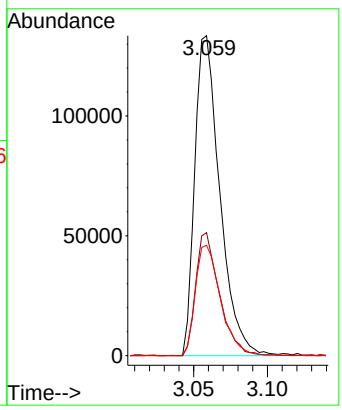




#41
Tetrahydrofuran
Concen: 11.374 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 42 Resp: 15794

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.9	46.3
71	34.7	28.6	43.0



Instrument :
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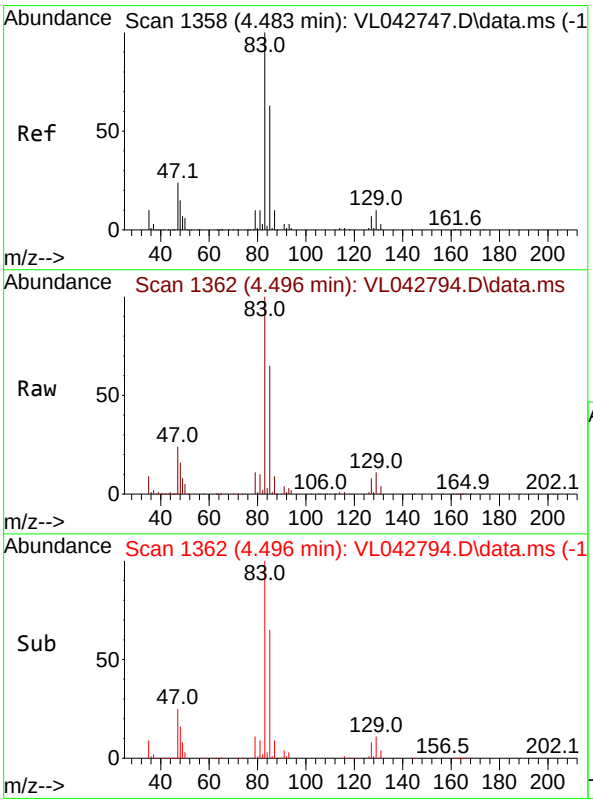
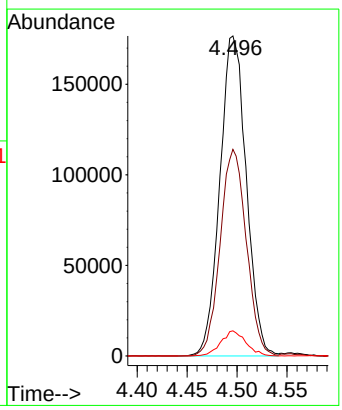
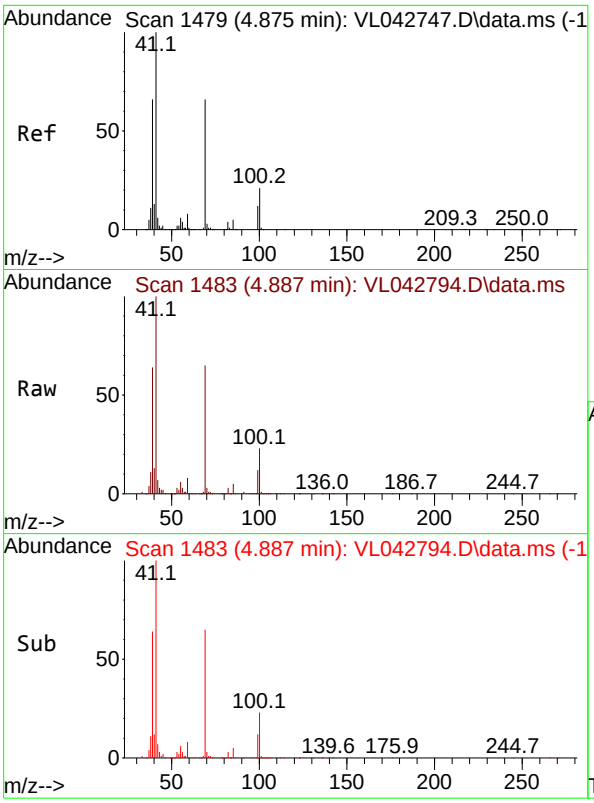


#42
Bromodichloromethane
Concen: 11.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 83 Resp: 324724

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	7.9	5.4	8.2

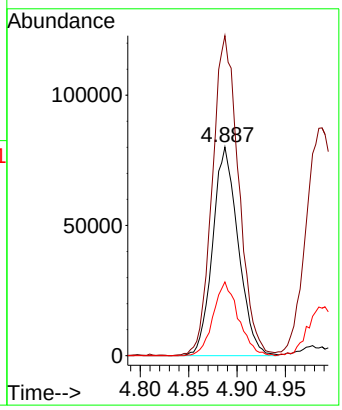




#43
Methyl Methacrylate
Concen: 11.338 ppbv
RT: 4.887 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 69 Resp: 14714

Ion	Ratio	Lower	Upper
69	100		
41	158.7	125.7	188.5
100	34.8	28.6	42.8



Instrument :
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ClientSampleId :
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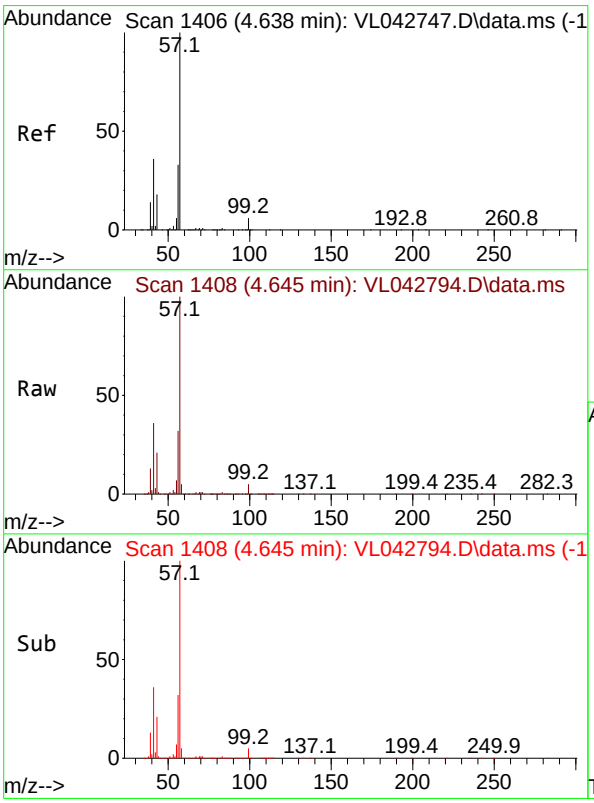
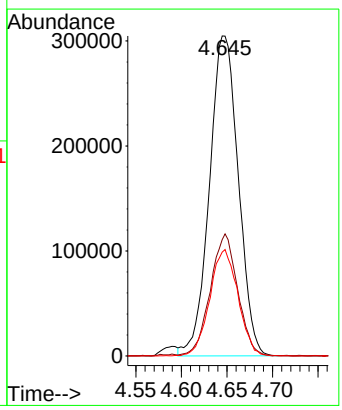
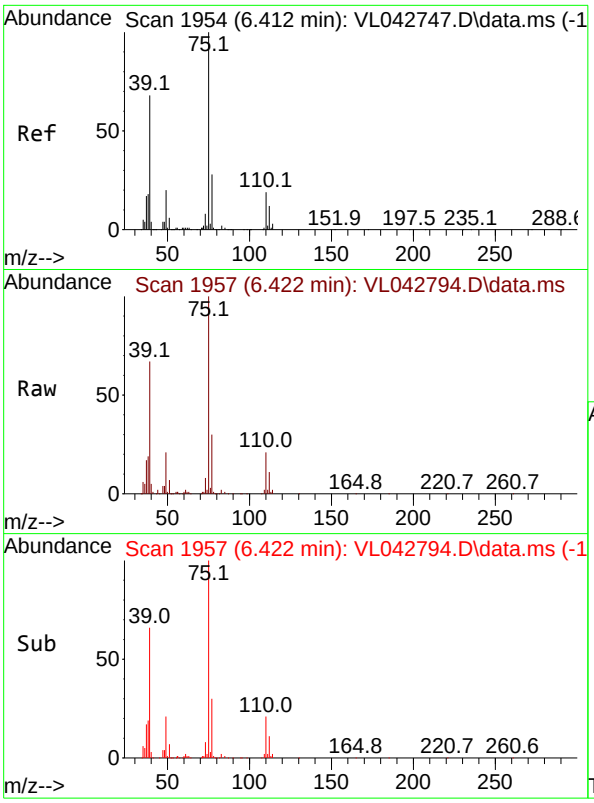


#44
2,2,4-Trimethylpentane
Concen: 11.311 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57 Resp: 673176

Ion	Ratio	Lower	Upper
57	100		
41	36.6	28.3	42.5
56	32.6	25.8	38.6

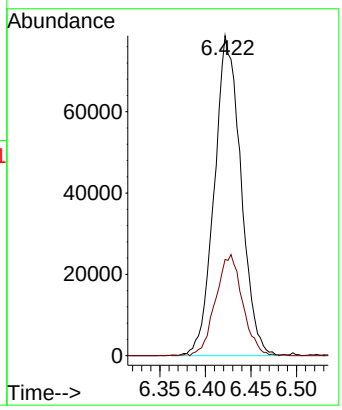




#45
t-1,3-Dichloropropene
Concen: 10.976 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 75 Resp: 15975

Ion	Ratio	Lower	Upper
75	100		
77	30.1	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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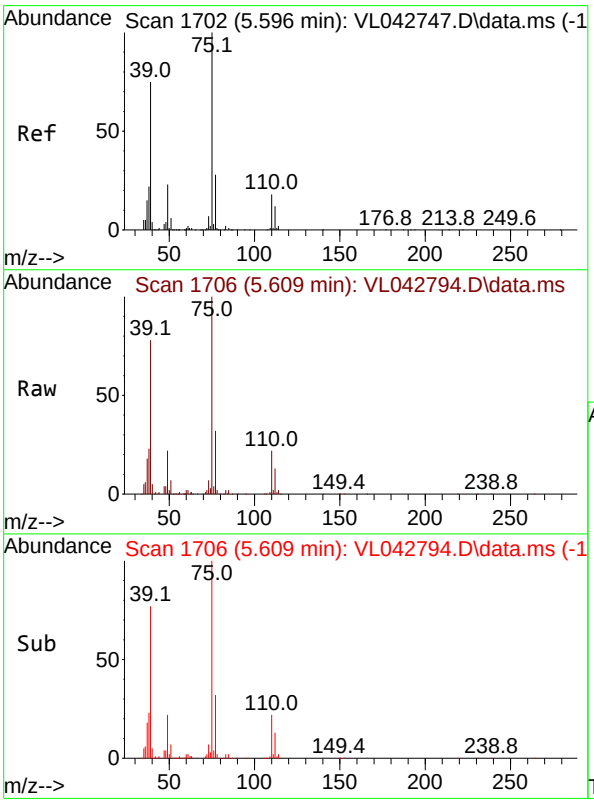
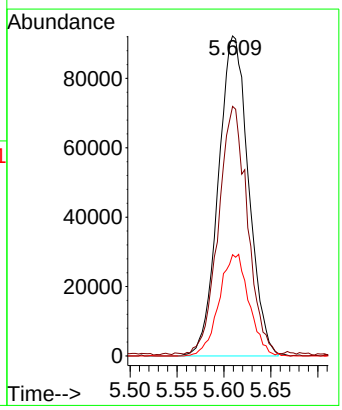
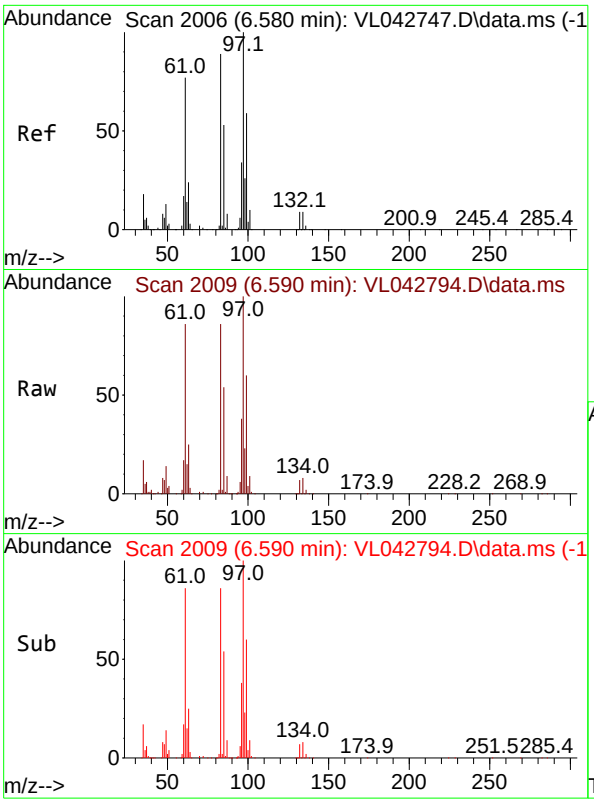


#46
cis-1,3-Dichloropropene
Concen: 11.160 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 75 Resp: 205816

Ion	Ratio	Lower	Upper
75	100		
39	77.2	60.2	90.2
77	31.7	22.6	34.0

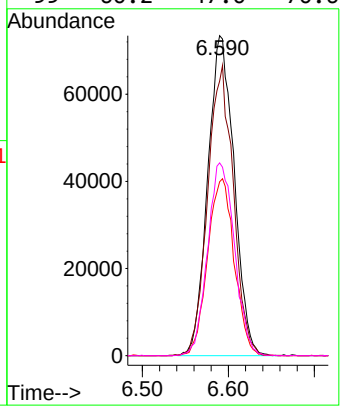




#47
1,1,2-Trichloroethane
Concen: 10.873 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 97 Resp: 15621

Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.1	106.7
85	54.3	43.0	64.4
99	60.2	47.0	70.6



Instrument :
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ClientSampleId :
VL0731ABSD01

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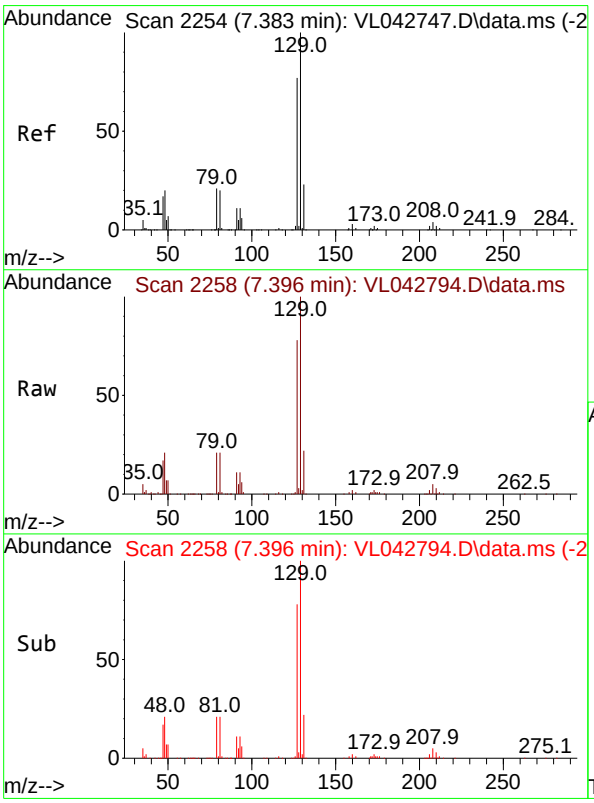
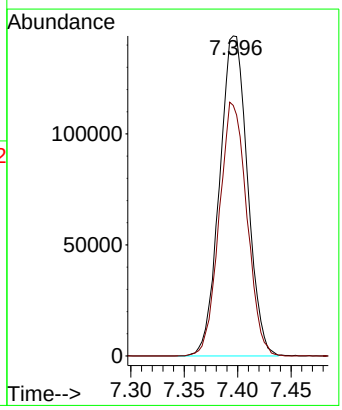
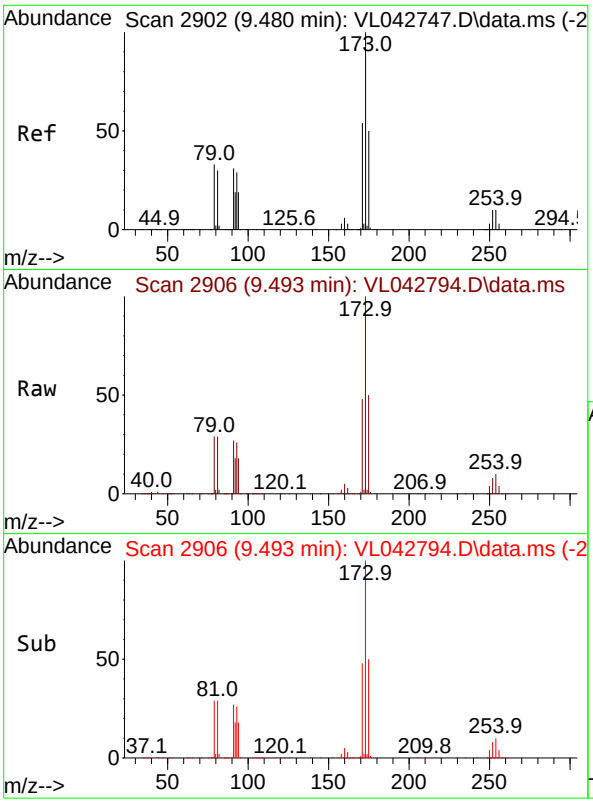


#48
Dibromochloromethane
Concen: 11.510 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:129 Resp: 262522

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.7	116.1

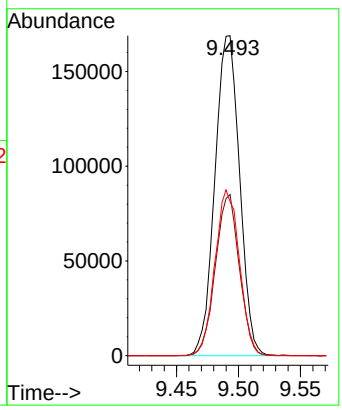




#49
Bromoform
Concen: 11.811 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:173 Resp: 23489

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.4	57.6
171	51.5	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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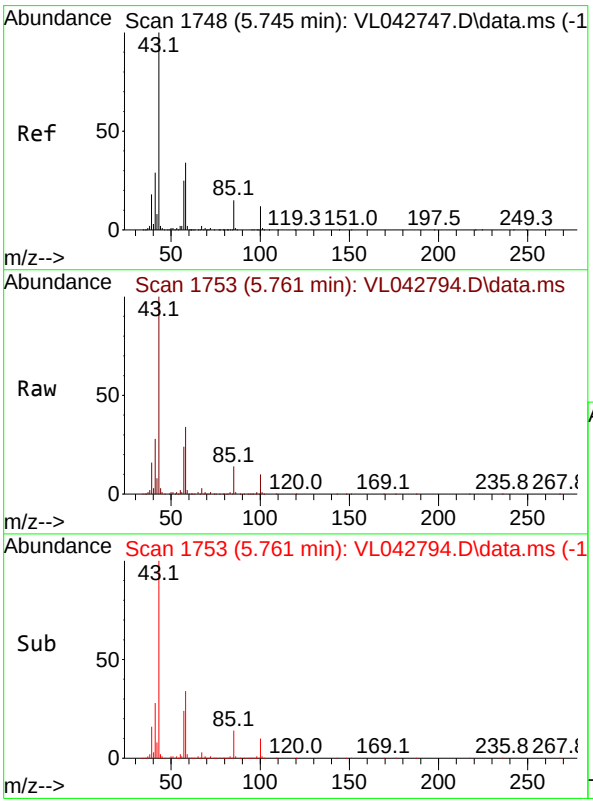
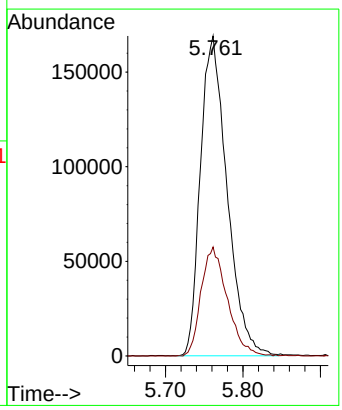
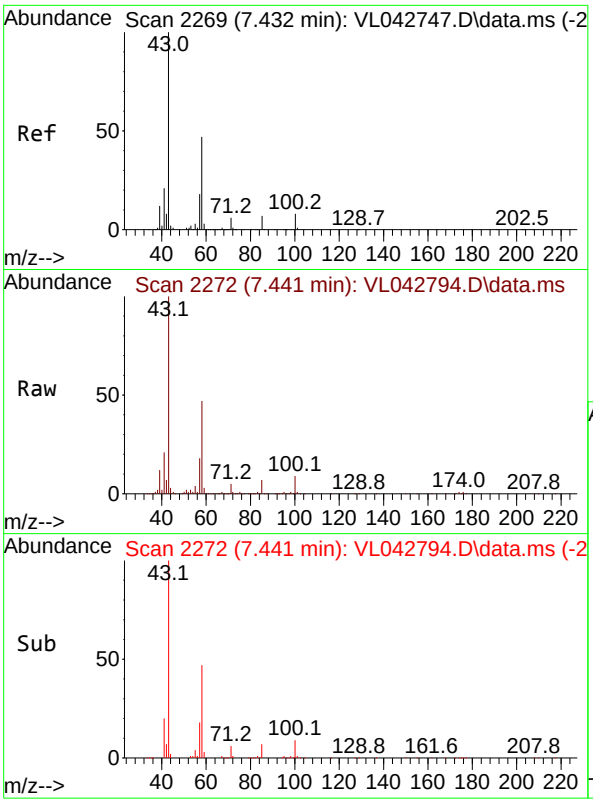


#50
4-Methyl-2-Pentanone
Concen: 11.467 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 403132

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.8





#51
2-Hexanone
Concen: 12.152 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 32282

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.0	57.0
98	0.9	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
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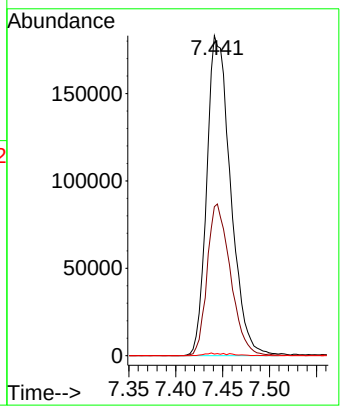
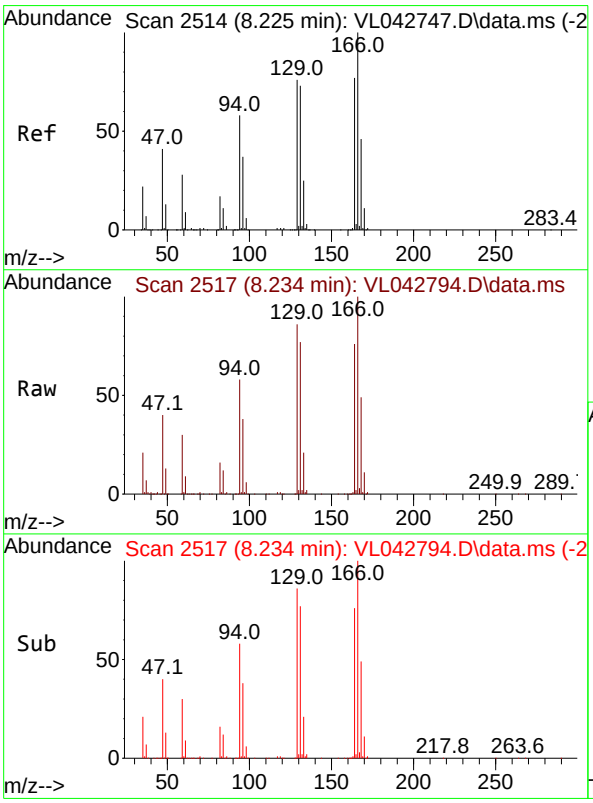
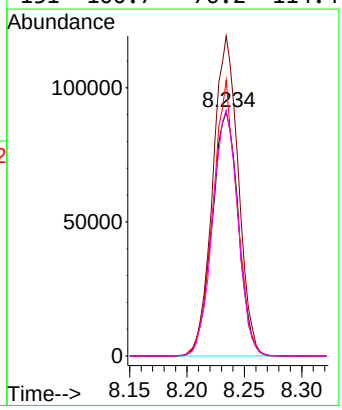


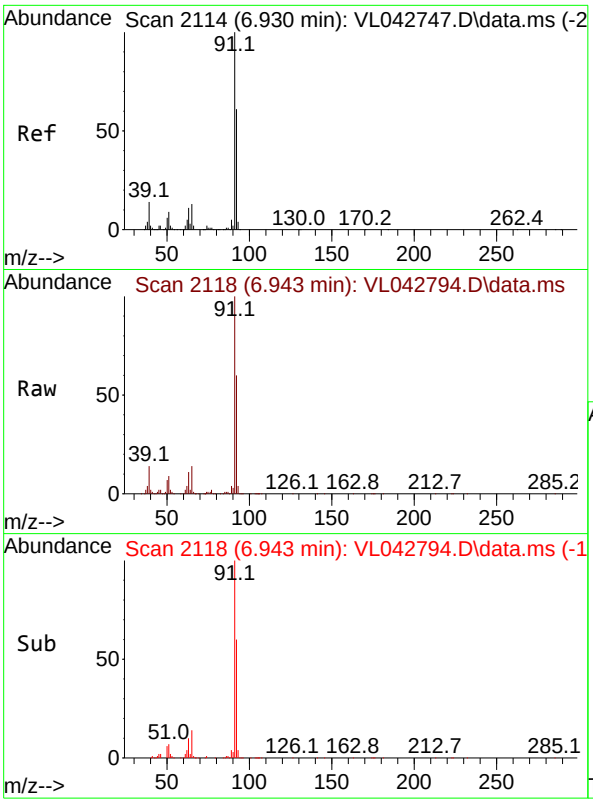


#52
Tetrachloroethene
Concen: 9.518 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:164 Resp: 144051

Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.0	156.0
129	112.9	79.2	118.8
131	100.7	76.2	114.4

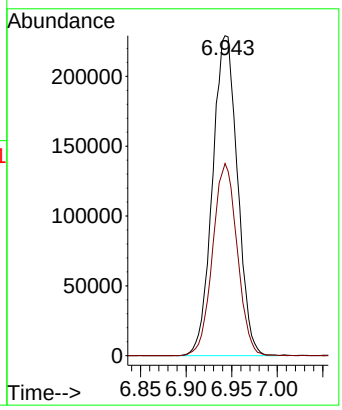




#53
Toluene
Concen: 11.135 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 43660

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.0	72.0



Instrument :
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ClientSampleId :
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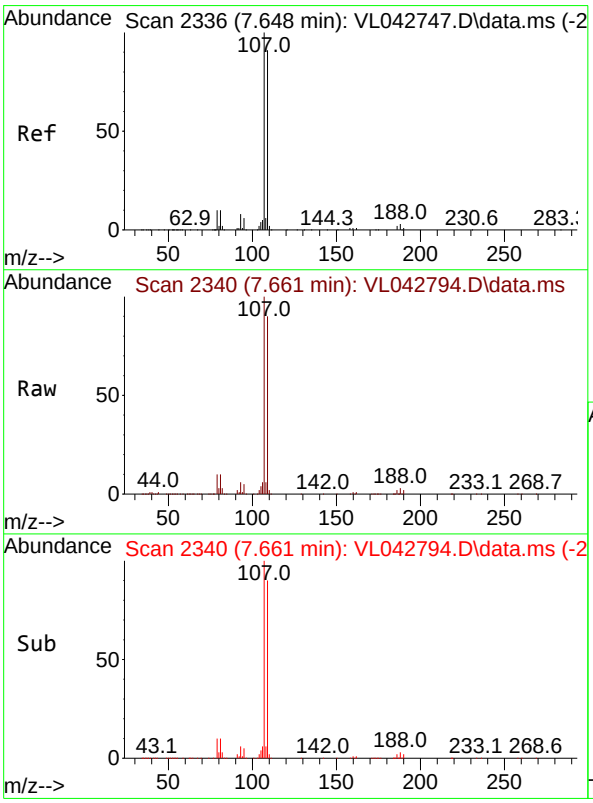
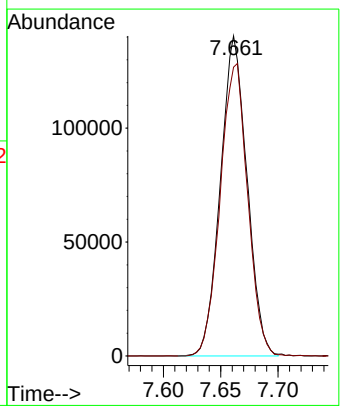
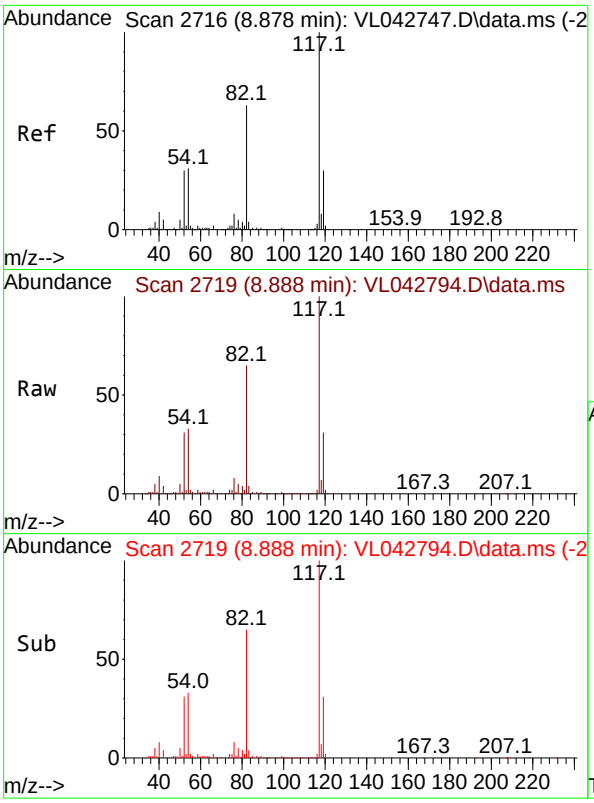


#54
1,2-Dibromoethane
Concen: 11.172 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:107 Resp: 226779

Ion	Ratio	Lower	Upper
107	100		
109	90.2	72.7	109.1

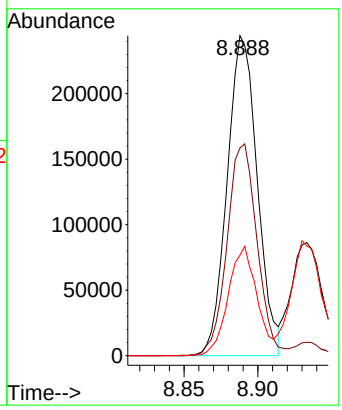




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:117 Resp: 34768

Ion	Ratio	Lower	Upper
117	100		
82	69.6	53.3	79.9
119	33.5	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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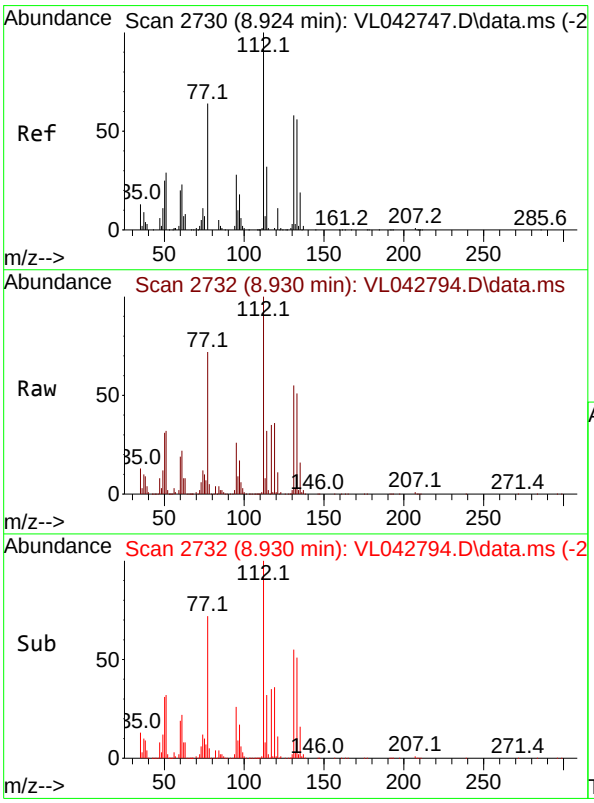
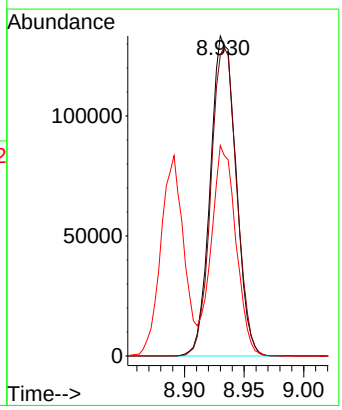
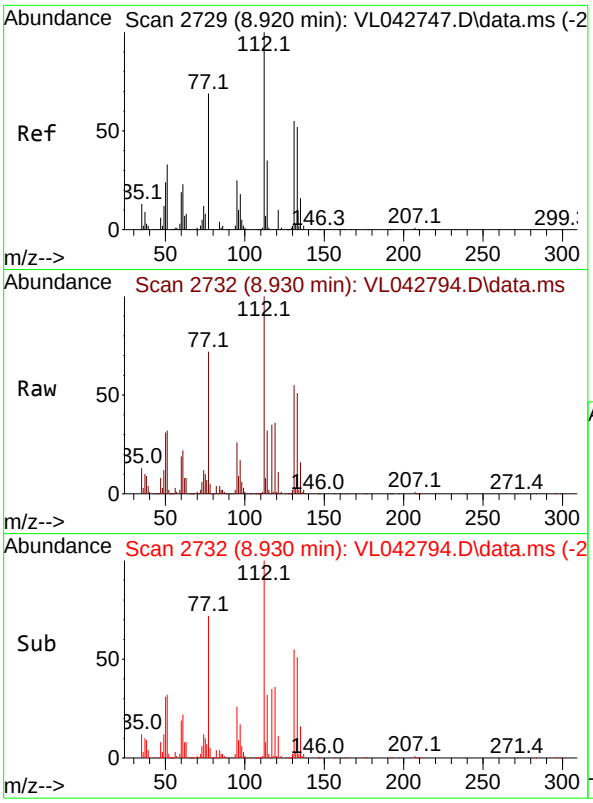


#56
1,1,1,2-Tetrachloroethane
Concen: 11.035 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:131 Resp: 199484

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.8	115.2
119	64.2	49.7	74.5

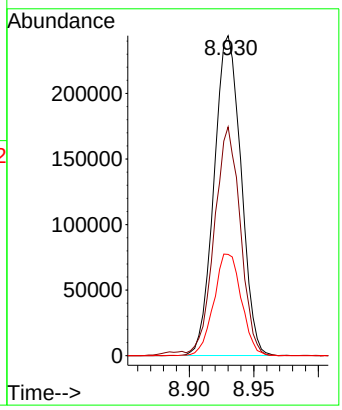




#57
Chlorobenzene
Concen: 10.519 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:112 Resp: 35394

Ion	Ratio	Lower	Upper
112	100		
77	71.6	56.4	84.6
114	31.6	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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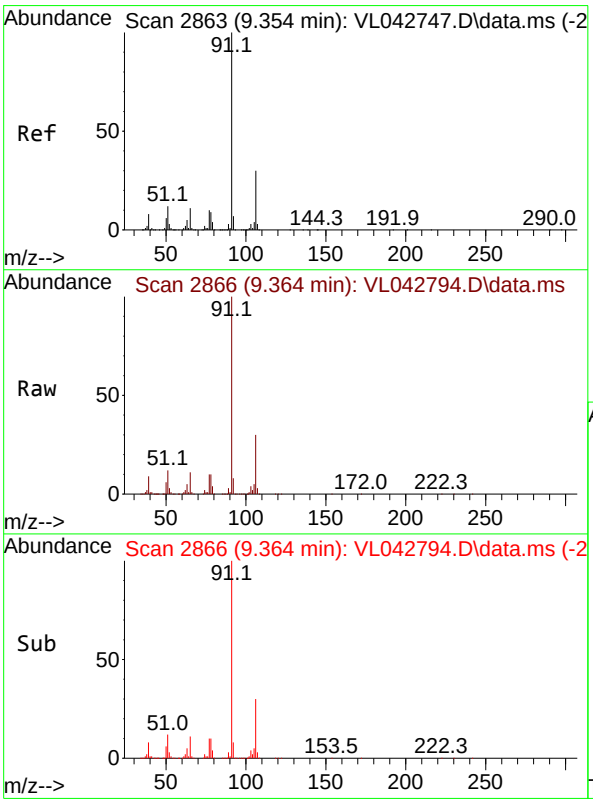
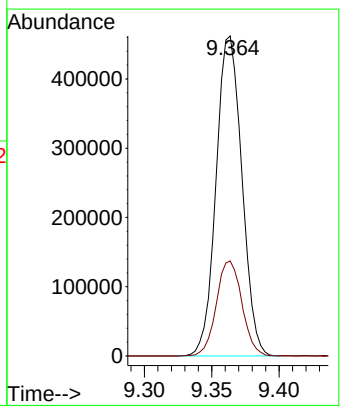
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

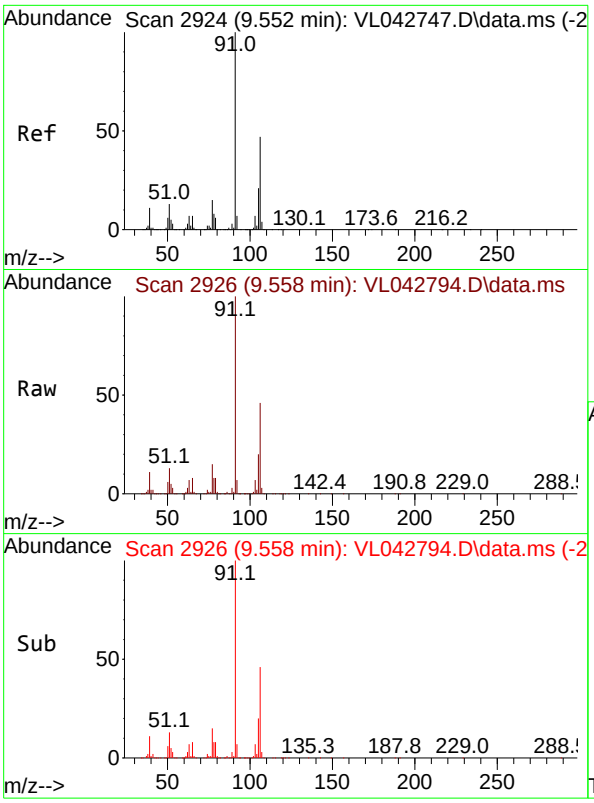


#58
Ethyl Benzene
Concen: 11.212 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 615615

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

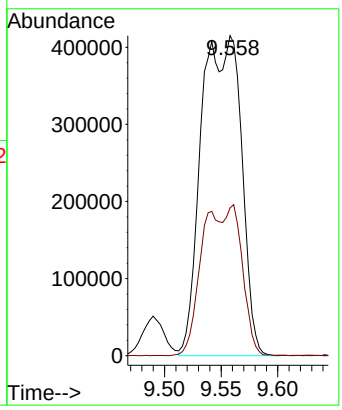




#59
m/p-Xylene
Concen: 23.289 ppbv m
RT: 9.558 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 102192

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.4	56.2



Instrument :
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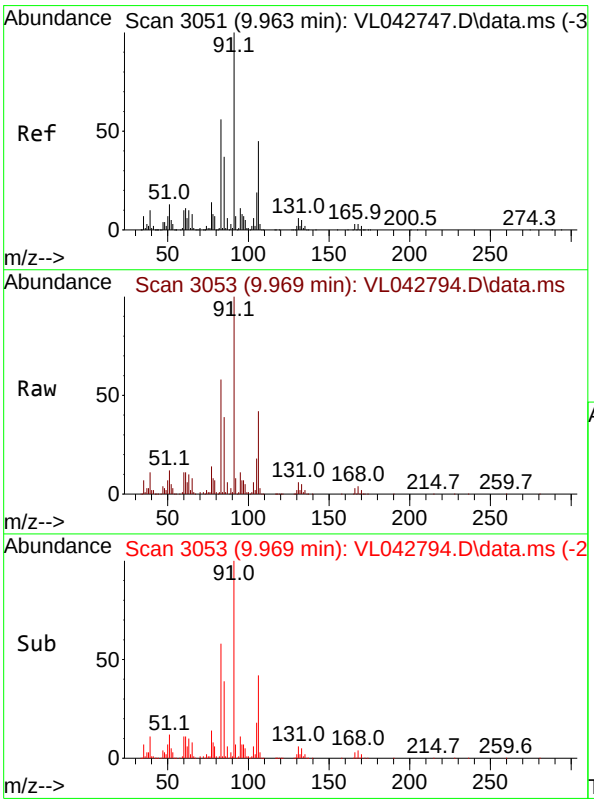
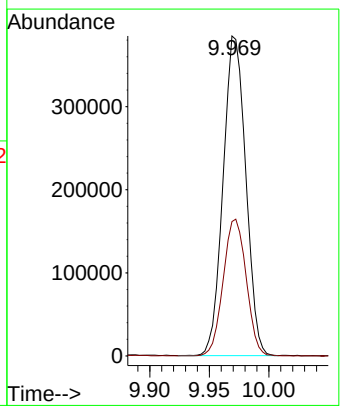
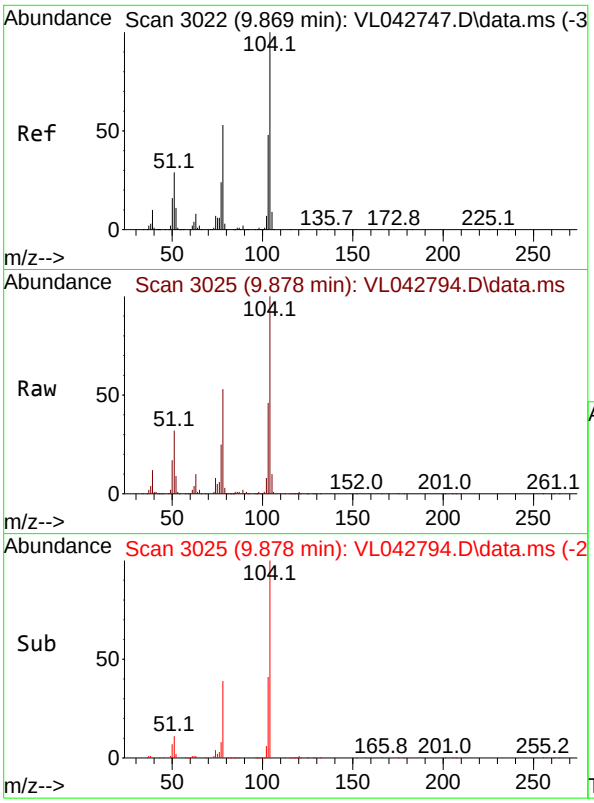


#60
o-Xylene
Concen: 11.615 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 509306

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.0	66.0

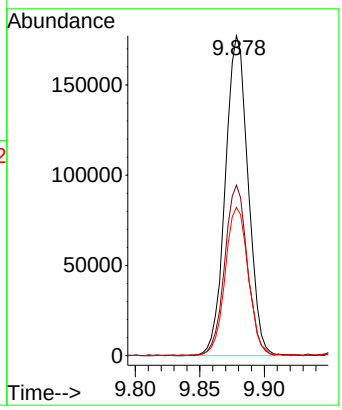




#61
Styrene
Concen: 11.813 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:104 Resp: 21787

Ion	Ratio	Lower	Upper
104	100		
78	53.1	41.5	62.3
103	47.6	37.5	56.3



Instrument :
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ClientSampleId :
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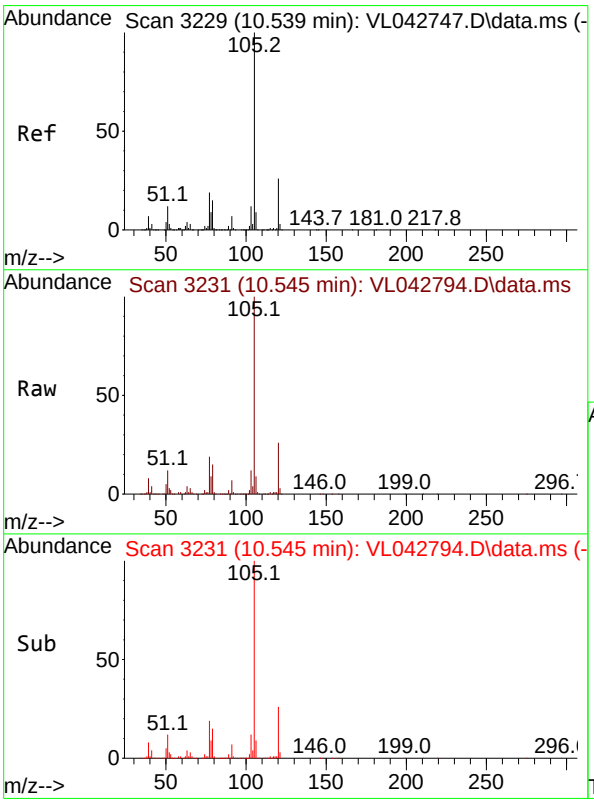
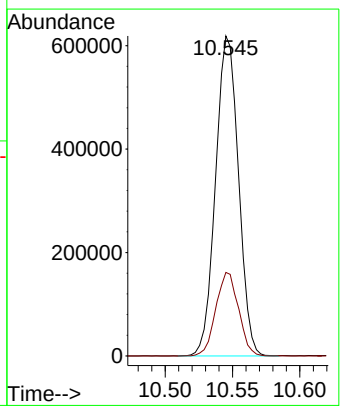
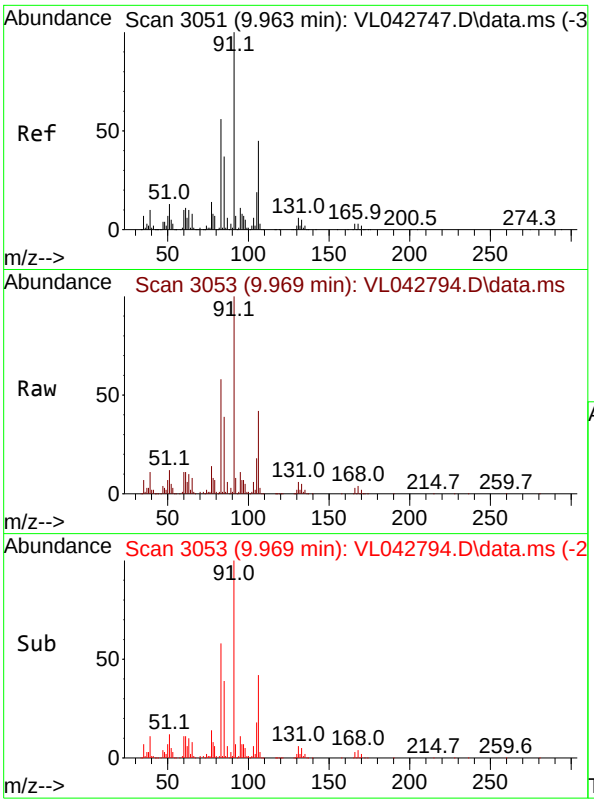


#62
Isopropylbenzene
Concen: 11.304 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 731077

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.5	30.7

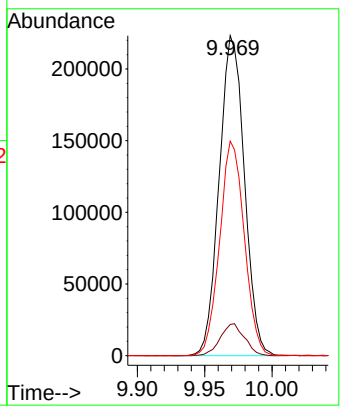




#63
1,1,2,2-Tetrachloroethane
Concen: 10.323 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 83 Resp: 29057

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	65.6	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
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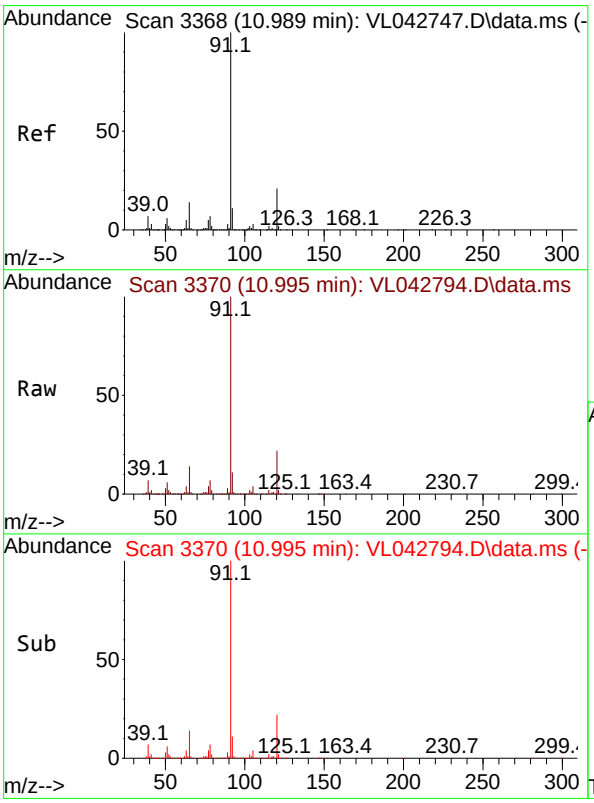
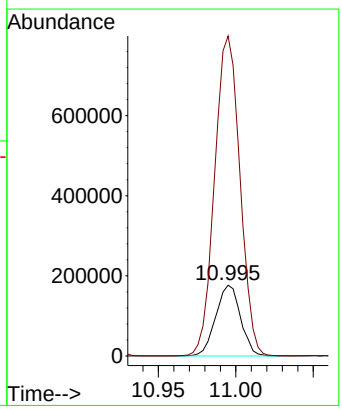
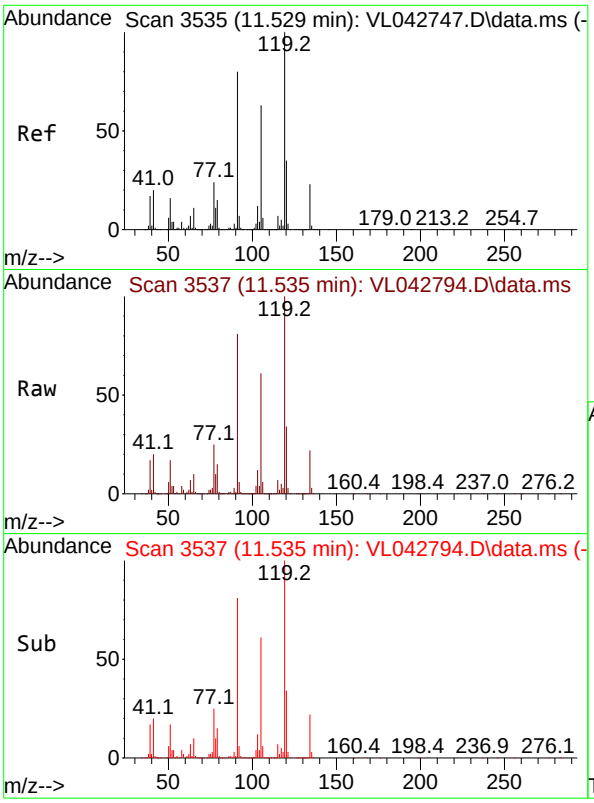


#64
n-propylbenzene
Concen: 11.637 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:120 Resp: 196210

Ion	Ratio	Lower	Upper
120	100		
91	464.6	372.7	559.1

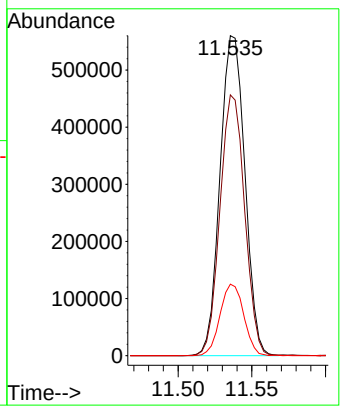




#65
tert-Butylbenzene
Concen: 11.427 ppbv
RT: 11.535 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:119 Resp: 65649

Ion	Ratio	Lower	Upper
119	100		
91	81.0	64.0	96.0
134	21.4	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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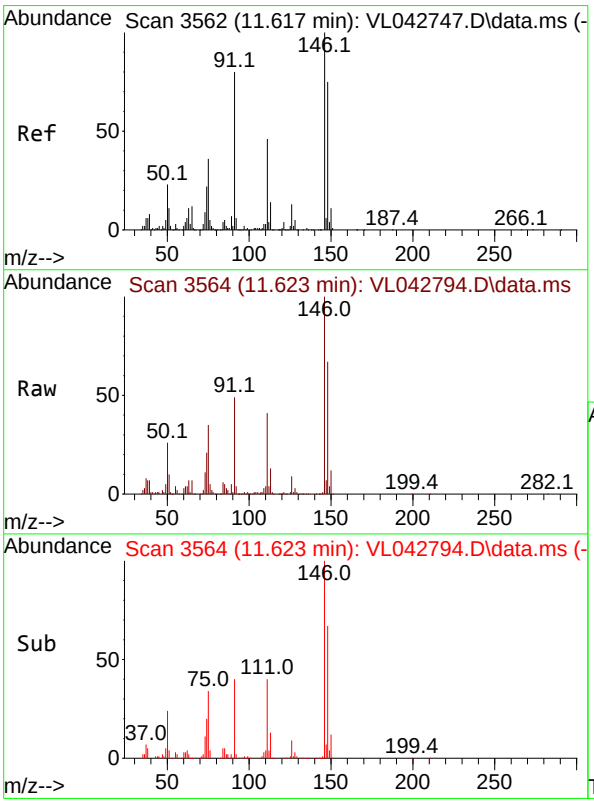
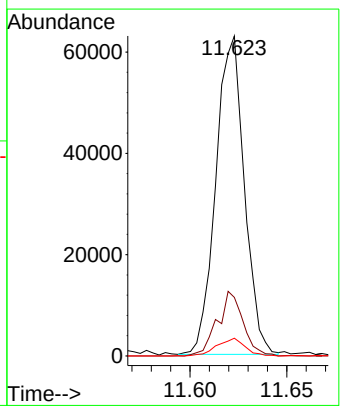
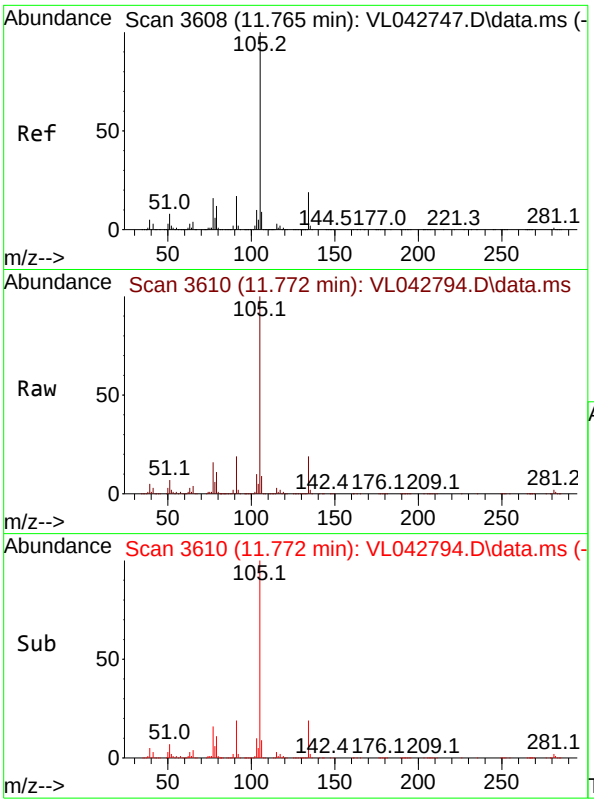


#66
Benzyl Chloride
Concen: 13.634 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 64301

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.4	21.6
128	5.6	5.2	7.8

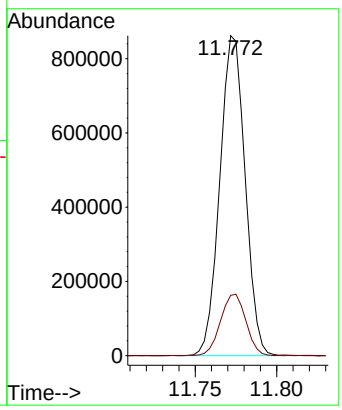




#67
sec-Butylbenzene
Concen: 11.374 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 92935

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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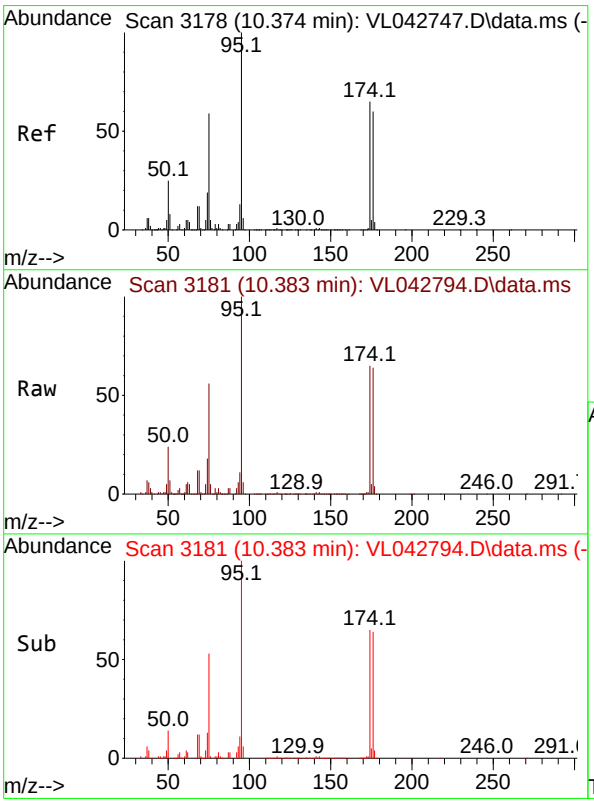
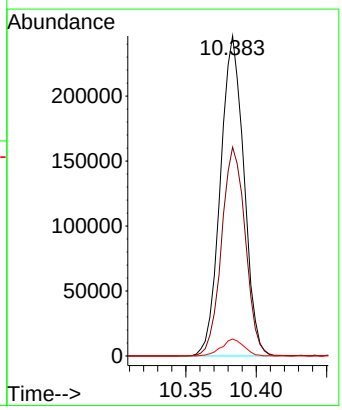
Supervised By :Mahesh Dadoda 08/01/2025

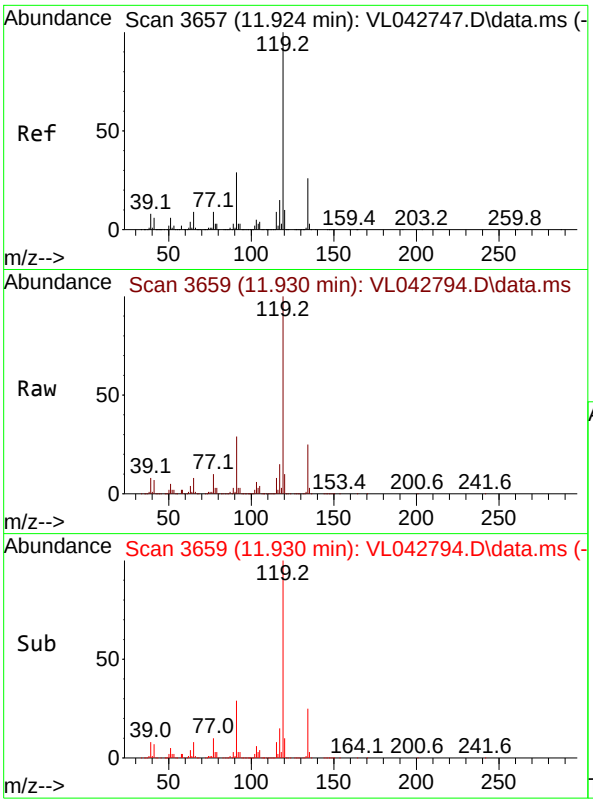


#68
1-Bromo-4-Fluorobenzene
Concen: 10.386 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 95 Resp: 285966

Ion	Ratio	Lower	Upper
95	100		
174	66.1	53.8	80.6
175	5.1	4.0	6.0

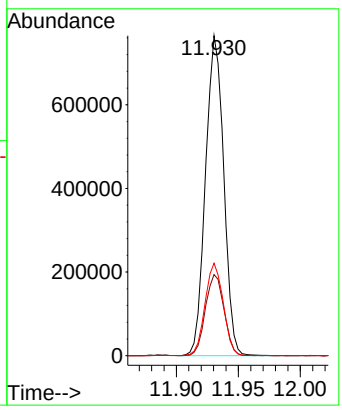




#69
p-Isopropyltoluene
Concen: 11.766 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:119 Resp: 78392

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	28.9	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
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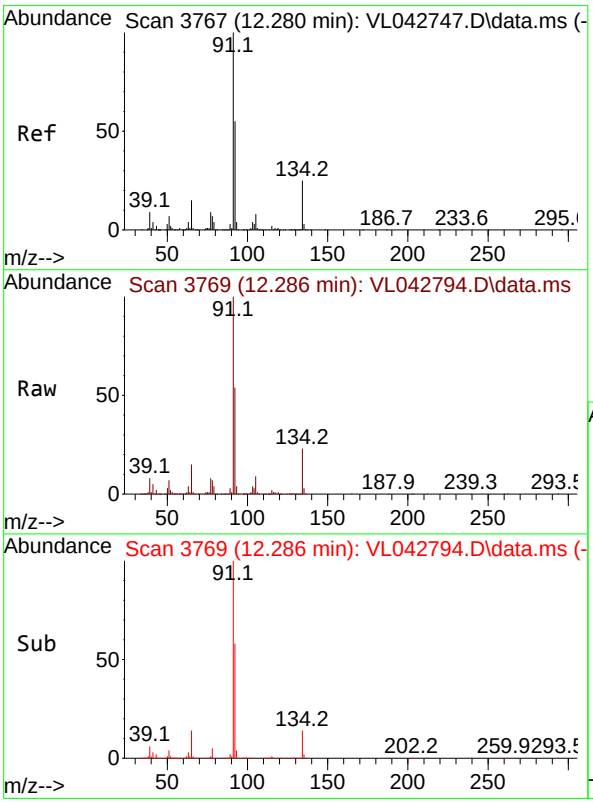
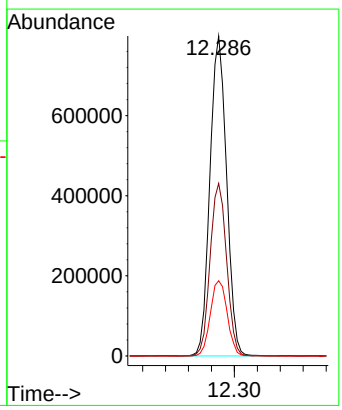
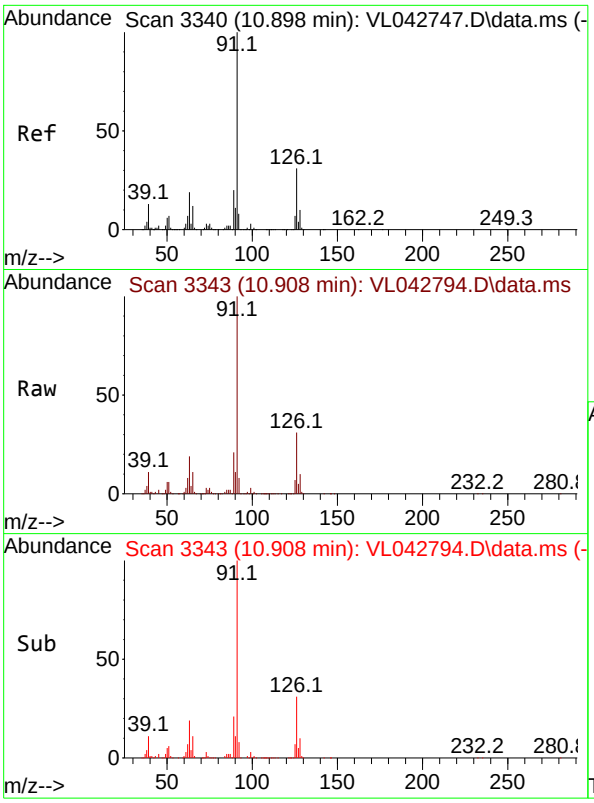


#70
n-Butylbenzene
Concen: 12.474 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 802758

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.4	65.2
134	23.9	19.6	29.4

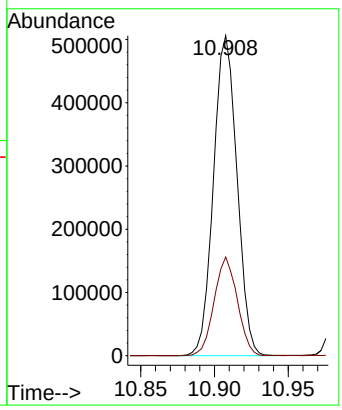




#71
2-Chlorotoluene
Concen: 11.306 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 56067

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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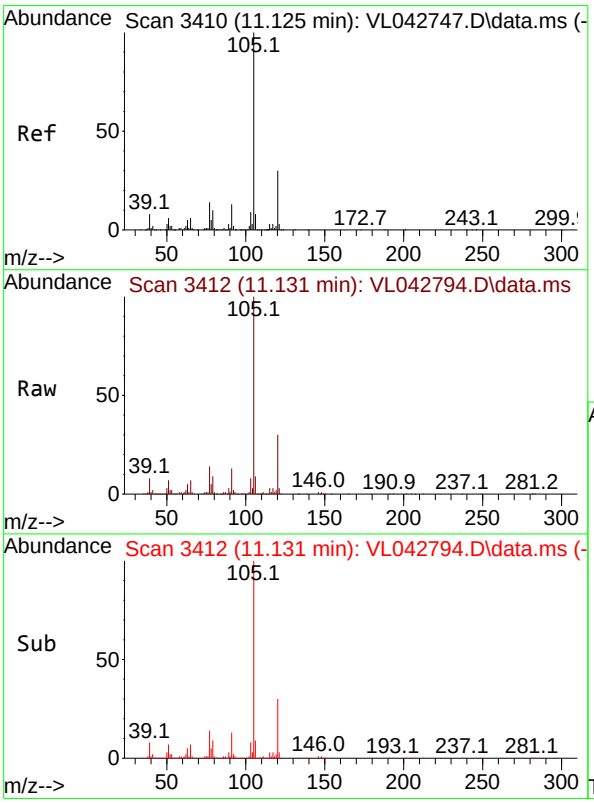
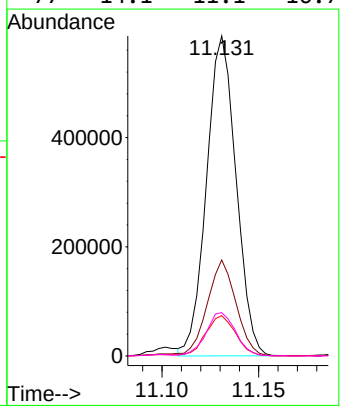
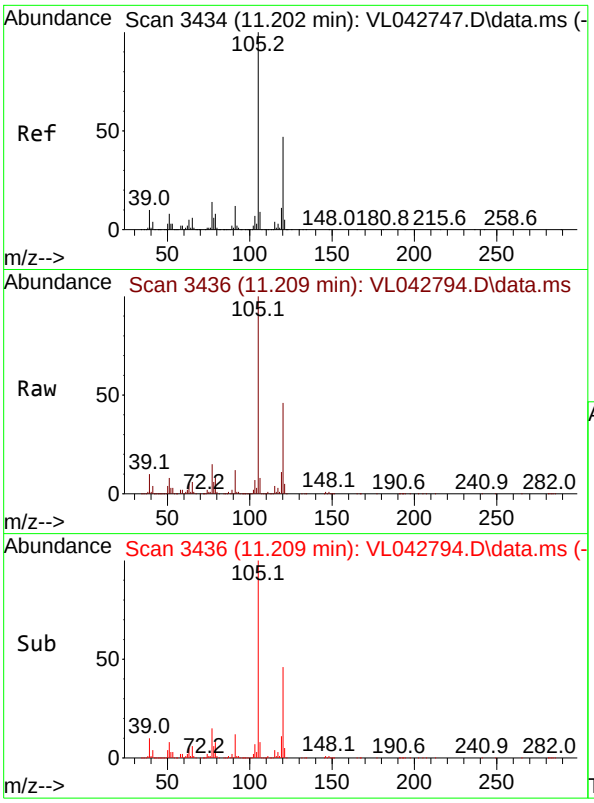


#72
4-Ethyltoluene
Concen: 11.893 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 622768

Ion	Ratio	Lower	Upper
105	100		
120	29.9	24.4	36.6
91	13.0	10.6	15.8
77	14.1	11.1	16.7

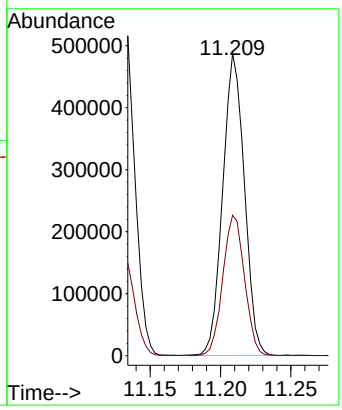




#73
1,3,5-Trimethylbenzene
Concen: 12.114 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 52226

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

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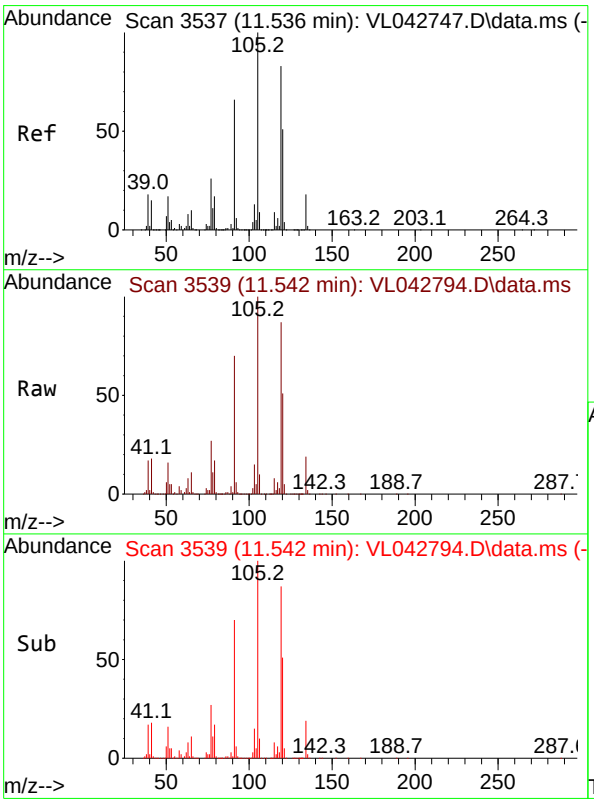
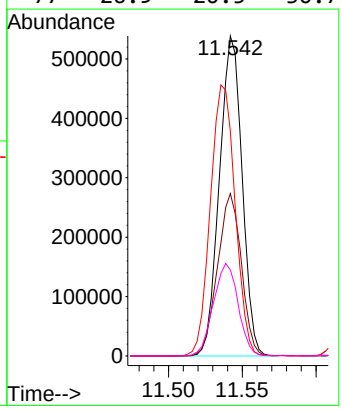
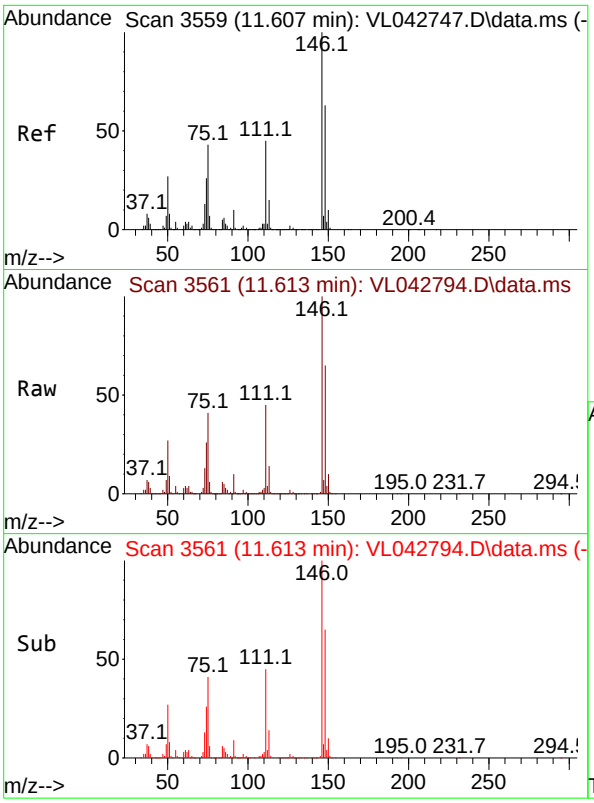


#74
1,2,4-Trimethylbenzene
Concen: 12.248 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 576097

Ion	Ratio	Lower	Upper
105	100		
120	50.7	40.8	61.2
91	70.2	53.0	79.4
77	26.9	20.5	30.7

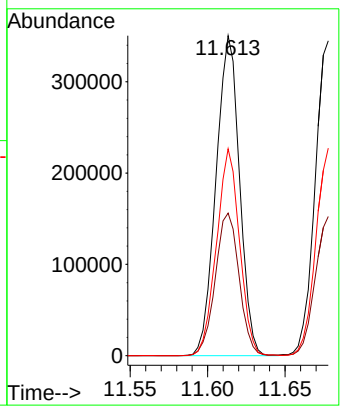




#75
1,3-Dichlorobenzene
Concen: 11.224 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:146 Resp: 37009

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	63.4	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations
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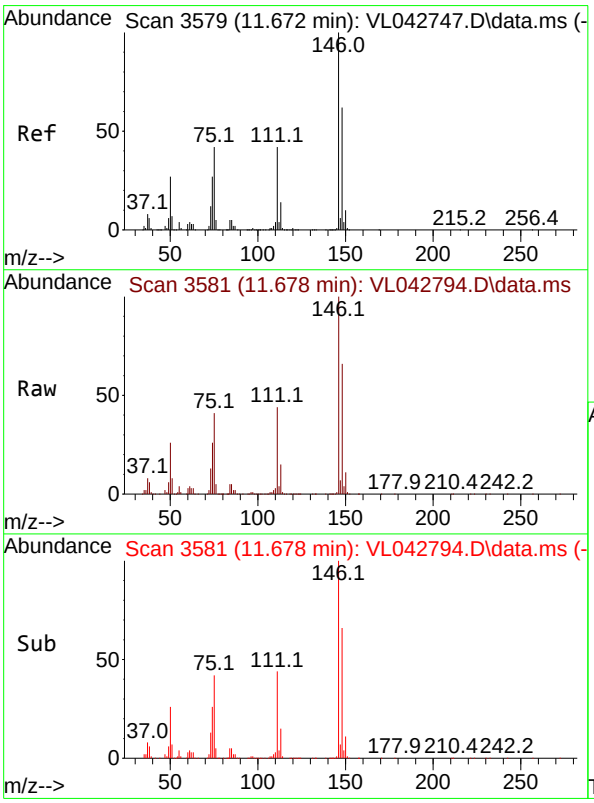
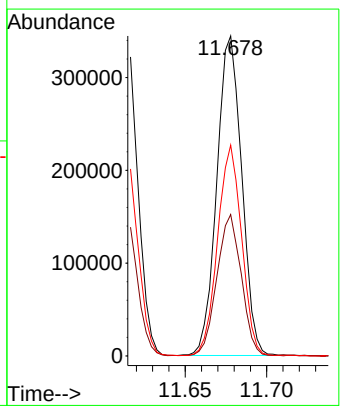
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

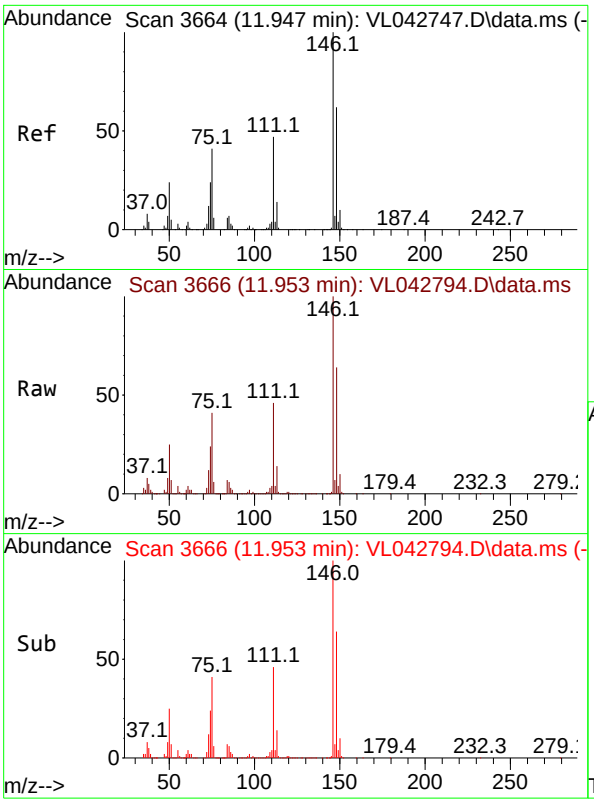


#76
1,4-Dichlorobenzene
Concen: 11.326 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:146 Resp: 365448

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.2
148	63.8	32.1	96.3

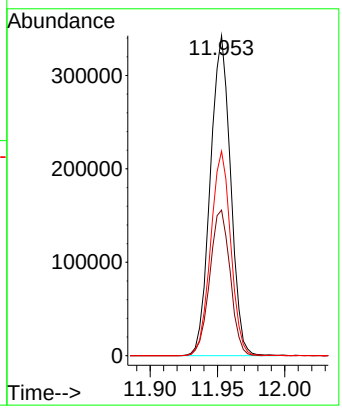




#77
1,2-Dichlorobenzene
Concen: 11.043 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:146 Resp: 35787

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.7	71.1
148	63.4	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations
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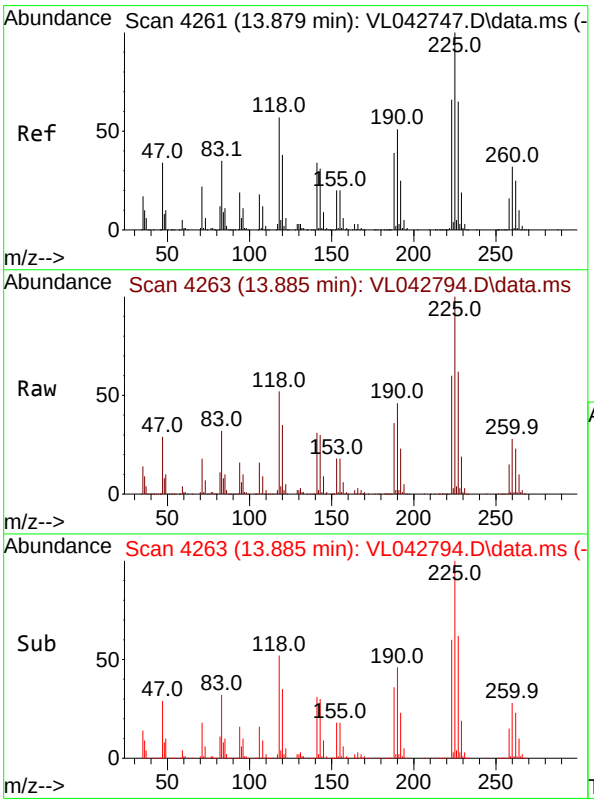
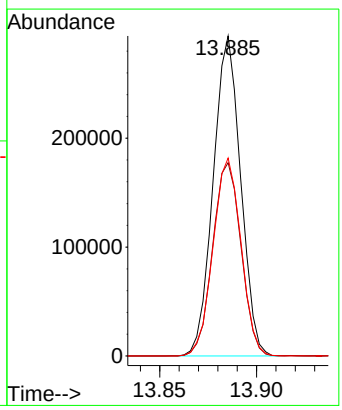
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

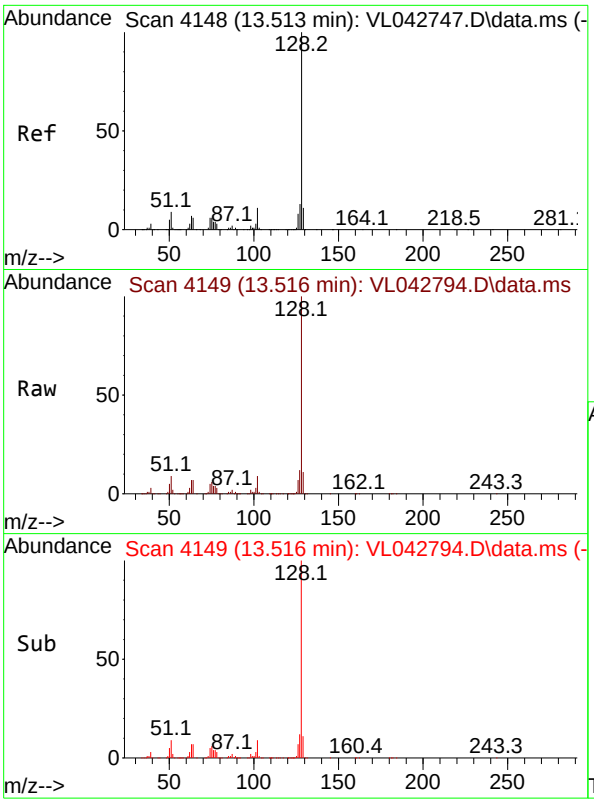


#78
Hexachloro-1,3-Butadiene
Concen: 9.863 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:225 Resp: 289316

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.1	50.5	75.7

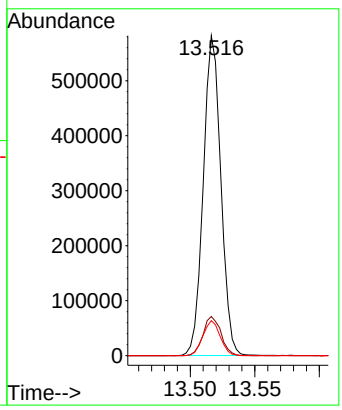




#79
Naphthalene
Concen: 10.791 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:128 Resp: 55259

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.9	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations
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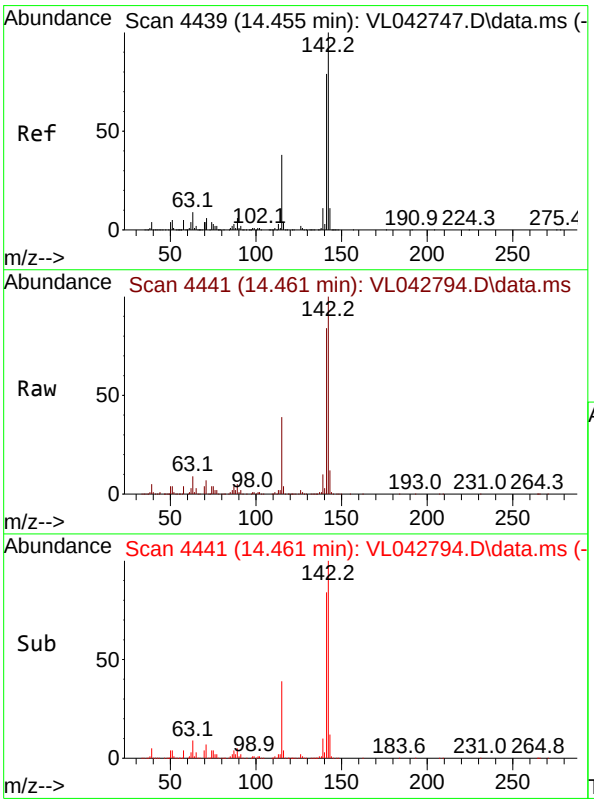
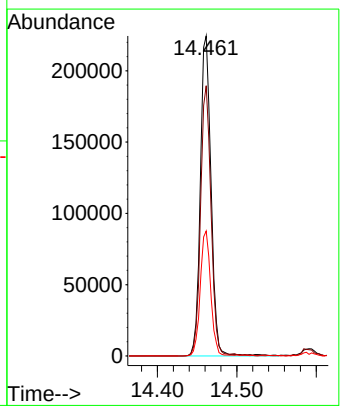
Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

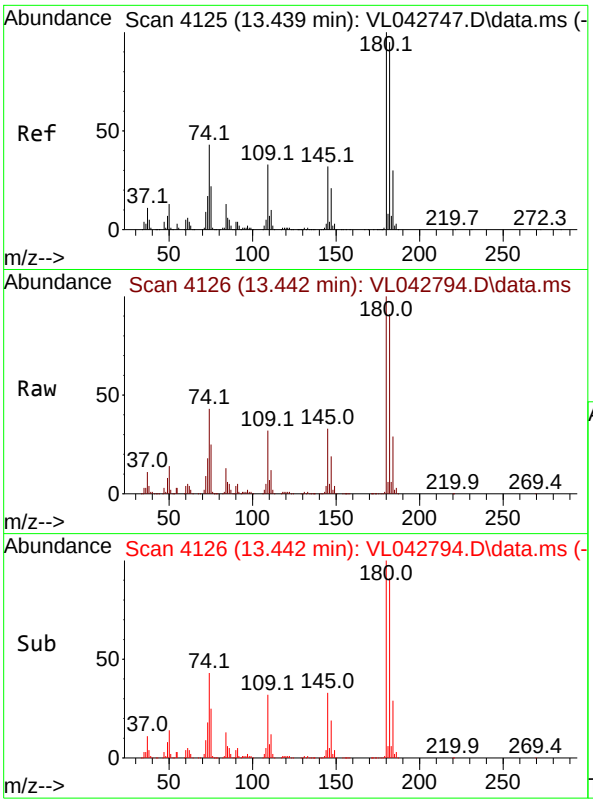


#80
Naphthalene,2-methyl-
Concen: 8.445 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:142 Resp: 210490

Ion	Ratio	Lower	Upper
142	100		
141	83.5	65.8	98.8
115	38.7	31.2	46.8

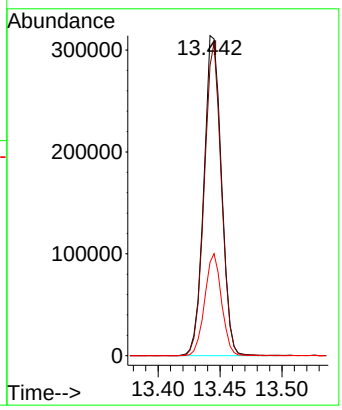




#81
1,2,4-Trichlorobenzene
Concen: 10.803 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:180 Resp: 31091

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.5	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
Supervised By :Mahesh Dadoda 08/01/2025

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042747.D	m/p-Xylene	SAM	7/24/2025 9:02:56 AM	MMDadoda	7/24/2025 2:20:57 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	1,4-Dioxane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	Cyclohexane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	Heptane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	m/p-Xylene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	trans-1,2-Dichloroethene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	1,4-Dioxane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Bromodichloromethane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042749.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Ethanol	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Heptane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	m/p-Xylene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Methyl Methacrylate	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,4-Dioxane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	2-Hexanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Benzyl Chloride	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Bromodichloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042750.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Dibromochloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Ethanol	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Heptane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	m/p-Xylene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Methyl Methacrylate	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Tetrahydrofuran	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Trichloroethene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	1,1,1-Trichloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	Tetrachloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL042752.D	Trichloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC015	VL042753.D	m/p-Xylene	SAM	7/24/2025 9:03:41 AM	MMDadoda	7/24/2025 2:21:10 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Tetrachloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Trichloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICV010	VL042755.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software
VSTDICV010	VL042755.D	m/p-Xylene	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL073125	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042788.D	m/p-Xylene	SAM	8/1/2025 10:51:05 AM	MMDadoda	8/1/2025 4:16:30 PM	Peak Integrated by Software
VL0731ABS01	VL042790.D	m/p-Xylene	SAM	8/1/2025 10:51:10 AM	MMDadoda	8/1/2025 4:16:31 PM	Peak Integrated by Software
VL0731ABSD01	VL042794.D	m/p-Xylene	SAM	8/1/2025 10:51:25 AM	MMDadoda	8/1/2025 4:16:38 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042842.D	m/p-Xylene	SAM	8/14/2025 7:48:06 AM	MMDadoda	8/18/2025 8:42:07 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	1,4-Dioxane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	Ethanol	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	m/p-Xylene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	Methyl Methacrylate	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	1,2-Dichloropropane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	1,4-Dioxane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	Ethanol	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	Heptane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	m/p-Xylene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042844.D	Methyl Methacrylate	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	trans-1,2-Dichloroethene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	1,4-Dioxane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	4-Methyl-2-Pentanone	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	m/p-Xylene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	Methyl Methacrylate	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	Toluene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042846.D	1,2-Dibromoethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Naphthalene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Tetrachloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Trichloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	1,1,2,2-Tetrachloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Carbon Tetrachloride	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Tetrachloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Trichloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC015	VL042848.D	m/p-Xylene	SAM	8/14/2025 7:49:35 AM	MMDadoda	8/18/2025 8:42:35 AM	Peak Integrated by Software
VSTDICV010	VL042849.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software
VSTDICV010	VL042849.D	m/p-Xylene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software
VL0813ABS01	VL042851.D	1,4-Dioxane	SAM	8/14/2025 7:49:08 AM	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VL0813ABS01	VL042851.D	m/p-Xylene	SAM	8/14/2025 7:49:08 AM	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by Software
VSTDCCC010	VL042864.D	m/p-Xylene	SAM	8/14/2025 7:47:54 AM	MMDadoda	8/18/2025 8:43:18 AM	Peak Integrated by Software

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072325

Review By	Semsettin Yesilyurt	Review On	7/24/2025 9:04:14 AM				
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 2:21:30 PM				
SubDirectory	VL072325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042746.D	23 Jul 2025 08:00	SY/MD	Ok
2	VSTDICCC010	VL042747.D	23 Jul 2025 08:58	SY/MD	Ok,M
3	VSTDICC002	VL042748.D	23 Jul 2025 09:34	SY/MD	Ok,M
4	VSTDICC001	VL042749.D	23 Jul 2025 10:08	SY/MD	Ok,M
5	VSTDICC0.5	VL042750.D	23 Jul 2025 10:42	SY/MD	Ok,M
6	VSTDICC0.1	VL042751.D	23 Jul 2025 11:16	SY/MD	Not Ok
7	VSTDICC0.03	VL042752.D	23 Jul 2025 11:50	SY/MD	Ok,M
8	VSTDICC015	VL042753.D	23 Jul 2025 12:26	SY/MD	Ok,M
9	VSTDICC0.1	VL042754.D	23 Jul 2025 13:00	SY/MD	Ok,M
10	VSTDICV010	VL042755.D	23 Jul 2025 14:33	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL073125

Review By	Semsettin Yesilyurt	Review On	8/1/2025 8:24:15 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/1/2025 4:16:51 PM				
SubDirectory	VL073125	HP Acquire Method	TO15AIR.M		HP Processing Method	VL072325AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042787.D	31 Jul 2025 07:46	SY/MD	Ok
2	VSTDCCC010	VL042788.D	31 Jul 2025 08:37	SY/MD	Ok,M
3	VL0731ABL01	VL042789.D	31 Jul 2025 09:29	SY/MD	Ok
4	VL0731ABS01	VL042790.D	31 Jul 2025 10:15	SY/MD	Ok,M
5	Q2727-01	VL042791.D	31 Jul 2025 12:03	SY/MD	Dilution
6	Q2727-01DL	VL042792.D	31 Jul 2025 12:39	SY/MD	Dilution
7	Q2727-01DL2	VL042793.D	31 Jul 2025 13:15	SY/MD	Not Ok
8	VL0731ABSD01	VL042794.D	31 Jul 2025 13:55	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM				
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042841.D	13 Aug 2025 07:45	SY/MD	Ok
2	VSTDICCC010	VL042842.D	13 Aug 2025 08:30	SY/MD	Ok,M
3	VSTDICC002	VL042843.D	13 Aug 2025 09:06	SY/MD	Ok,M
4	VSTDICC001	VL042844.D	13 Aug 2025 09:41	SY/MD	Ok,M
5	VSTDICC0.5	VL042845.D	13 Aug 2025 10:17	SY/MD	Ok,M
6	VSTDICC0.1	VL042846.D	13 Aug 2025 10:53	SY/MD	Ok,M
7	VSTDICC0.03	VL042847.D	13 Aug 2025 11:30	SY/MD	Ok,M
8	VSTDICC015	VL042848.D	13 Aug 2025 12:06	SY/MD	Ok,M
9	VSTDICV010	VL042849.D	13 Aug 2025 12:56	SY/MD	Ok,M
10	VL0813ABL01	VL042850.D	13 Aug 2025 13:46	SY/MD	Ok
11	VL0813ABS01	VL042851.D	13 Aug 2025 14:32	SY/MD	Ok,M
12	Q2727-01DL2	VL042852.D	13 Aug 2025 15:10	SY/MD	Ok
13	Q2126-14 0.1 PPB LOQ	VL042853.D	13 Aug 2025 15:49	SY/MD	Ok,M
14	QC080725 CAN10282	VL042854.D	13 Aug 2025 16:27	SY/MD	Ok
15	Q2794-01	VL042855.D	13 Aug 2025 17:05	SY/MD	Dilution
16	Q2794-01DUP	VL042856.D	13 Aug 2025 17:43	SY/MD	Ok,M
17	Q2794-01DL	VL042857.D	13 Aug 2025 18:21	SY/MD	Ok,M
18	Q2794-02	VL042858.D	13 Aug 2025 18:58	SY/MD	Ok,M
19	Q2794-02DL	VL042859.D	13 Aug 2025 19:35	SY/MD	Not Ok
20	QC081125 CAN 10280	VL042860.D	13 Aug 2025 20:12	SY/MD	Ok
21	Q2834-01	VL042861.D	13 Aug 2025 20:49	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM				
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2834-02	VL042862.D	13 Aug 2025 21:26	SY/MD	Ok,M
23	Q2834-02DL	VL042863.D	13 Aug 2025 22:02	SY/MD	Not Ok
24	VSTDCCC010	VL042864.D	13 Aug 2025 22:39	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072325

Review By	Semsettin Yesilyurt	Review On	7/24/2025 9:04:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 2:21:30 PM		
SubDirectory	VL072325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042746.D	23 Jul 2025 08:00		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042747.D	23 Jul 2025 08:58		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042748.D	23 Jul 2025 09:34		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042749.D	23 Jul 2025 10:08	Comp. #13,79,80,81 are on Linear Regression	SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042750.D	23 Jul 2025 10:42		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042751.D	23 Jul 2025 11:16	Not used	SY/MD	Not Ok
7	VSTDICC0.03	VSTDICC0.03	VL042752.D	23 Jul 2025 11:50		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042753.D	23 Jul 2025 12:26	%D failed for Comp. #80 in 0.5 and 2 ppb	SY/MD	Ok,M
9	VSTDICC0.1	VSTDICC0.1	VL042754.D	23 Jul 2025 13:00	%D failed for Comp. #79 in 0.1 ppb	SY/MD	Ok,M
10	VSTDICV010	ICVVL072325	VL042755.D	23 Jul 2025 14:33		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL073125

Review By	Semsettin Yesilyurt	Review On	8/1/2025 8:24:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/1/2025 4:16:51 PM		
SubDirectory	VL073125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042787.D	31 Jul 2025 07:46		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042788.D	31 Jul 2025 08:37		SY/MD	Ok,M
3	VL0731ABL01	VL0731ABL01	VL042789.D	31 Jul 2025 09:29		SY/MD	Ok
4	VL0731ABS01	VL0731ABS01	VL042790.D	31 Jul 2025 10:15		SY/MD	Ok,M
5	Q2727-01	AE073-1100	VL042791.D	31 Jul 2025 12:03	Need 2X	SY/MD	Dilution
6	Q2727-01DL	AE073-1100DL	VL042792.D	31 Jul 2025 12:39	Need 4X	SY/MD	Dilution
7	Q2727-01DL2	AE073-1100DL2	VL042793.D	31 Jul 2025 13:15	rerun not match orginal	SY/MD	Not Ok
8	VL0731ABSD01	VL0731ABSD01	VL042794.D	31 Jul 2025 13:55		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM		
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042841.D	13 Aug 2025 07:45		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042842.D	13 Aug 2025 08:30		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042843.D	13 Aug 2025 09:06		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042844.D	13 Aug 2025 09:41		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042845.D	13 Aug 2025 10:17		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042846.D	13 Aug 2025 10:53		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042847.D	13 Aug 2025 11:30		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042848.D	13 Aug 2025 12:06		SY/MD	Ok,M
9	VSTDICV010	ICVVL081325	VL042849.D	13 Aug 2025 12:56		SY/MD	Ok,M
10	VL0813ABL01	VL0813ABL01	VL042850.D	13 Aug 2025 13:46		SY/MD	Ok
11	VL0813ABS01	VL0813ABS01	VL042851.D	13 Aug 2025 14:32		SY/MD	Ok,M
12	Q2727-01DL2	AE073-1100DL2	VL042852.D	13 Aug 2025 15:10		SY/MD	Ok
13	Q2126-14 0.1 PPB LOQ	LOQ-AIR-02-QT2-2025	VL042853.D	13 Aug 2025 15:49		SY/MD	Ok,M
14	QC080725 CAN10282	QC080725 CAN10282	VL042854.D	13 Aug 2025 16:27		SY/MD	Ok
15	Q2794-01	IA1	VL042855.D	13 Aug 2025 17:05	Need 10X	SY/MD	Dilution
16	Q2794-01DUP	IA1DUP	VL042856.D	13 Aug 2025 17:43		SY/MD	Ok,M
17	Q2794-01DL	IA1DL	VL042857.D	13 Aug 2025 18:21		SY/MD	Ok,M
18	Q2794-02	OA1	VL042858.D	13 Aug 2025 18:58		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM		
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2794-02DL	OA1DL	VL042859.D	13 Aug 2025 19:35	Not Required	SY/MD	Not Ok
20	QC081125 CAN 10280	QC081125 CAN 10280	VL042860.D	13 Aug 2025 20:12		SY/MD	Ok
21	Q2834-01	IA1	VL042861.D	13 Aug 2025 20:49		SY/MD	Ok,M
22	Q2834-02	SV1	VL042862.D	13 Aug 2025 21:26		SY/MD	Ok,M
23	Q2834-02DL	SV1DL	VL042863.D	13 Aug 2025 22:02	Not Required	SY/MD	Not Ok
24	VSTDCCC010	VSTDCCC010EC	VL042864.D	13 Aug 2025 22:39		SY/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2727

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VL073125,VL081325,

Standard ID :
AP2641,AP2642,AP2643,AP2644,AP2645,AP2650,AP2652,AP2653,AP2654,AP2655,

Chemical ID :
A1117,A1138,A1139,A1140,

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2641	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1140 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2397	TO-15 -2 PPBV CAL.MIX	AP2642	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2641 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2643	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2641 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2644	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1139 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
47	Internal Standard/Surrogate Mix-80 ppbv	AP2645	07/22/2025	08/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 2.40000psi of A1138 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2650	08/11/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/20/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1140 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2397	TO-15 -2 PPBV CAL.MIX	AP2652	08/11/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/20/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2650 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2653	08/11/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/20/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2650 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2654	08/11/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/20/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1139 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
47	Internal Standard/Surrogate Mix-80 ppbv	AP2655	08/13/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/20/2025

FROM 2.40000psi of A1138 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	12/16/2025	07/15/2025 / SAM	07/14/2025 / SAM	A1138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003AR	04/16/2026	07/16/2025 / SAM	07/14/2025 / SAM	A1139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003BR	04/16/2026	07/16/2025 / SAM	07/14/2025 / SAM	A1140

Rec: 07/14/25

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A 1138

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 012/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES:

Blend Tolerance: +/- 10 %

Analytical Tolerance: +/- 5 %

Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

Rec 07/14/25

CUSTOMGAS SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1139

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC315629
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 04/16/2025
Expiration Date: 04/16/2026
Lot Number: 040424-003AR

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003R	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	519 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	537 ppb +/- 50 ppb	
Acrolein	500 ppb	542 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	532 ppb +/- 50 ppb	
Allyl chloride	500 ppb	509 ppb +/- 50 ppb	
Benzene	500 ppb	486 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	492 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	512 ppb +/- 50 ppb	
Bromoform	500 ppb	497 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	506 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	529 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	487 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	509 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	494 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	490 ppb +/- 50 ppb	
Chloroform	500 ppb	495 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	529 ppb +/- 50 ppb	
Cyclohexane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	510 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	489 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	490 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	508 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	499 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	496 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	491 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	492 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	518 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	468 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	507 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	486 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	488 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	552 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	499 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	509 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	488 ppb +/- 50 ppb	
n-Heptane	500 ppb	487 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	489 ppb +/- 50 ppb	
2-Hexanone	500 ppb	493 ppb +/- 50 ppb	
n-Hexane	500 ppb	485 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	511 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	524 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	532 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	505 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	509 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	496 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	493 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	529 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	483 ppb +/- 50 ppb	
Methylene chloride	500 ppb	498 ppb +/- 50 ppb	
Naphthalene	500 ppb	539 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	529 ppb +/- 50 ppb	
Propylene	500 ppb	508 ppb +/- 50 ppb	
Styrene	500 ppb	485 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	532 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	534 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	487 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	535 ppb +/- 50 ppb	
Toluene	500 ppb	491 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	494 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	488 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	508 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	495 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	494 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	498 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	489 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	499 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	501 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	509 ppb +/- 50 ppb	
m-Xylene	500 ppb	495 ppb +/- 50 ppb	
o-Xylene	500 ppb	482 ppb +/- 50 ppb	
p-Xylene	500 ppb	488 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	498 ppb +/- 50 ppb	
R-22	500 ppb	590 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 20 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

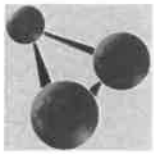
Signature:

Date: 04/16/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

Rec 07/14/25

CUSTOMGAS SOLUTIONS



1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1140

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: AD49101
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 04/16/2025
Expiration Date: 04/16/2026
Lot Number: 040424-003BR

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003R	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	460 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	471 ppb +/- 50 ppb	
Acrolein	500 ppb	480 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	476 ppb +/- 50 ppb	
Allyl chloride	500 ppb	453 ppb +/- 50 ppb	
Benzene	500 ppb	431 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	436 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	454 ppb +/- 50 ppb	
Bromoform	500 ppb	441 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	449 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	469 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	432 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	451 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	438 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	474 ppb +/- 50 ppb	
Chloroform	500 ppb	438 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	469 ppb +/- 50 ppb	
Cyclohexane	500 ppb	430 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	437 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	454 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	435 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	476 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	452 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	438 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	442 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	439 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	435 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	435 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	436 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	460 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	415 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	450 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	431 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	433 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	489 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	442 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	451 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	432 ppb +/- 50 ppb	
n-Heptane	500 ppb	434 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	436 ppb +/- 50 ppb	
2-Hexanone	500 ppb	437 ppb +/- 50 ppb	
n-Hexane	500 ppb	432 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	455 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	465 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	530 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	450 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	453 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	442 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	439 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	469 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	430 ppb +/- 50 ppb	
Methylene chloride	500 ppb	443 ppb +/- 50 ppb	
Naphthalene	500 ppb	478 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	525 ppb +/- 50 ppb	
Propylene	500 ppb	452 ppb +/- 50 ppb	
Styrene	500 ppb	432 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	471 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	431 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	434 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	477 ppb +/- 50 ppb	
Toluene	500 ppb	438 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	440 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	440 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	440 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	435 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	453 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	441 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	440 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	444 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	435 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	444 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	450 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	451 ppb +/- 50 ppb	
m-Xylene	500 ppb	439 ppb +/- 50 ppb	
o-Xylene	500 ppb	427 ppb +/- 50 ppb	
p-Xylene	500 ppb	433 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	497 ppb +/- 50 ppb	
R-22	500 ppb	435 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:		
	Blend Tolerance:	+/- 20 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 04/16/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	159080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	462763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	422206	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	338271	10.117	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	190592	9.062	ppbv	100
3) Chlorodifluoromethane	1.476	51	258542	9.436	ppbv	100
4) Chloromethane	1.531	50	77006	9.050	ppbv	100
5) Vinyl Chloride	1.580	62	65346	7.773	ppbv	100
6) Bromomethane	1.667	94	28292	8.705	ppbv	100
7) Chloroethane	1.703	64	28085	8.646	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	155875	9.011	ppbv	100
9) Propene	1.483	41	94480	9.488	ppbv	100
10) Heptane	4.975	43	259821	9.701	ppbv	100
11) Trichlorofluoromethane	1.878	101	194964	8.992	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	149612	9.081	ppbv	100
13) Ethanol	1.719	45	7949	9.867	ppbv	97
14) Bromoethene	1.780	108	53625	9.193	ppbv	100
15) Acetone	1.835	43	158714	7.225	ppbv	100
16) 1,3-Butadiene	1.609	39	80968	8.642	ppbv	100
17) tert-Butyl alcohol	2.039	59	185262	9.351	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64224	8.627	ppbv	100
19) Isopropyl Alcohol	1.884	45	104903	8.987	ppbv	100
20) Methylene Chloride	2.059	84	53581	7.740	ppbv	100
21) Allyl Chloride	2.094	41	127021	9.382	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	73152	9.148	ppbv	100
23) Vinyl Acetate	2.460	43	271125	10.181	ppbv	100
24) 1,1-Dichloroethane	2.408	63	150257	9.141	ppbv	100
25) Ethyl Acetate	2.832	43	469997	9.666	ppbv	100
26) Hexane	2.826	57	203800	9.555	ppbv	100
27) Carbon Disulfide	2.149	76	173105	9.480	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	88372	8.770	ppbv	100
29) Chloroform	2.845	83	304670	9.244	ppbv	100
30) Cyclohexane	3.852	84	178948	9.892	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	207751	9.479	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	311368	9.069	ppbv	100
34) 2-Butanone	2.554	43	306858	9.361	ppbv	100
35) Carbon Tetrachloride	3.758	117	324501	9.436	ppbv	100
36) Benzene	3.654	78	414863	9.459	ppbv	100
37) 1,2-Dichloroethane	3.217	62	248414	9.403	ppbv	100
38) Trichloroethene	4.545	130	188750	8.926	ppbv	100
39) 1,2-Dichloropropane	4.311	63	149771	9.251	ppbv	100
40) 1,4-Dioxane	4.580	88	65413	8.569	ppbv #	100
41) Tetrahydrofuran	3.049	42	167323	10.160	ppbv	100
42) Bromodichloromethane	4.483	83	334531	9.713	ppbv	100
43) Methyl Methacrylate	4.875	69	161053	10.331	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	687885	9.623	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185965	10.633	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

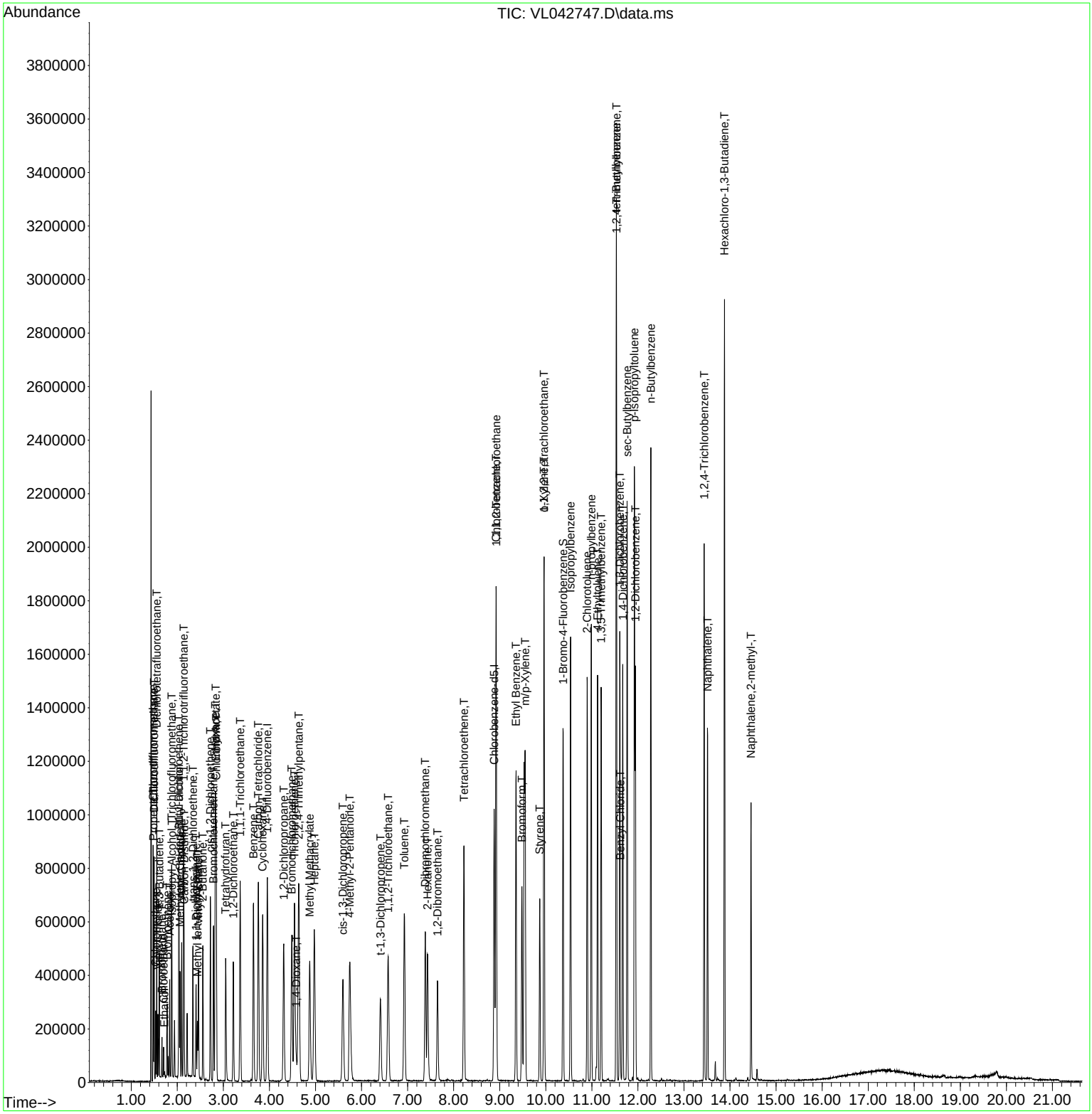
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	234594	10.587	ppbv		100
47) 1,1,2-Trichloroethane	6.580	97	160431	9.297	ppbv		100
48) Dibromochloromethane	7.383	129	277832	10.141	ppbv		100
49) Bromoform	9.480	173	244997	10.256	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	413966	9.914	ppbv		100
51) 2-Hexanone	7.432	43	336048	10.532	ppbv		100
52) Tetrachloroethene	8.225	164	156930	8.609	ppbv		100
53) Toluene	6.930	91	472953	10.042	ppbv		100
54) 1,2-Dibromoethane	7.648	107	238045	9.745	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.924	131	204205	9.302	ppbv		100
57) Chlorobenzene	8.920	112	371117	9.082	ppbv		100
58) Ethyl Benzene	9.354	91	655020	9.824	ppbv		100
59) m/p-Xylene	9.552	91	460477	8.639	ppbv	#	11
60) o-Xylene	9.963	91	517292	9.715	ppbv		100
61) Styrene	9.869	104	236709	10.568	ppbv		100
62) Isopropylbenzene	10.539	105	757219	9.641	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	292568	8.434	ppbv		100
64) n-propylbenzene	10.989	120	198109	9.675	ppbv		100
65) tert-Butylbenzene	11.529	119	678174	9.721	ppbv		100
66) Benzyl Chloride	11.617	91	66954	11.691	ppbv		100
67) sec-Butylbenzene	11.765	105	939396	9.468	ppbv		100
69) p-Isopropyltoluene	11.924	119	814010	10.061	ppbv		100
70) n-Butylbenzene	12.280	91	818457	10.473	ppbv		100
71) 2-Chlorotoluene	10.898	91	584629	9.708	ppbv		100
72) 4-Ethyltoluene	11.125	105	643519	10.120	ppbv		100
73) 1,3,5-Trimethylbenzene	11.202	105	538451	10.285	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	584447	10.232	ppbv		100
75) 1,3-Dichlorobenzene	11.607	146	374587	9.355	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	378093	9.649	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	358206	9.102	ppbv		100
78) Hexachloro-1,3-Butadiene	13.879	225	300801	8.444	ppbv		100
79) Naphthalene	13.513	128	598108	9.665	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	289412	9.404	ppbv		100
81) 1,2,4-Trichlorobenzene	13.439	180	337776	9.710	ppbv		100

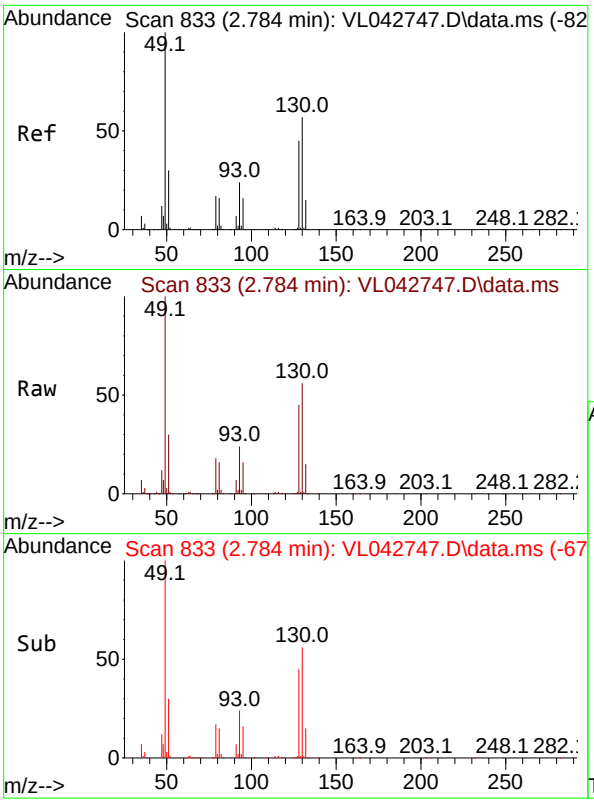
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



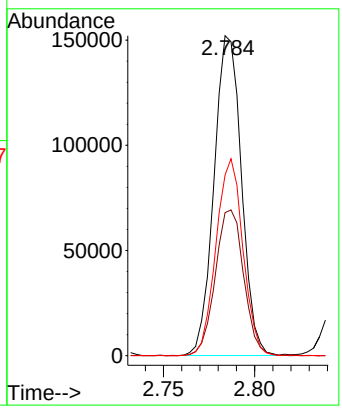


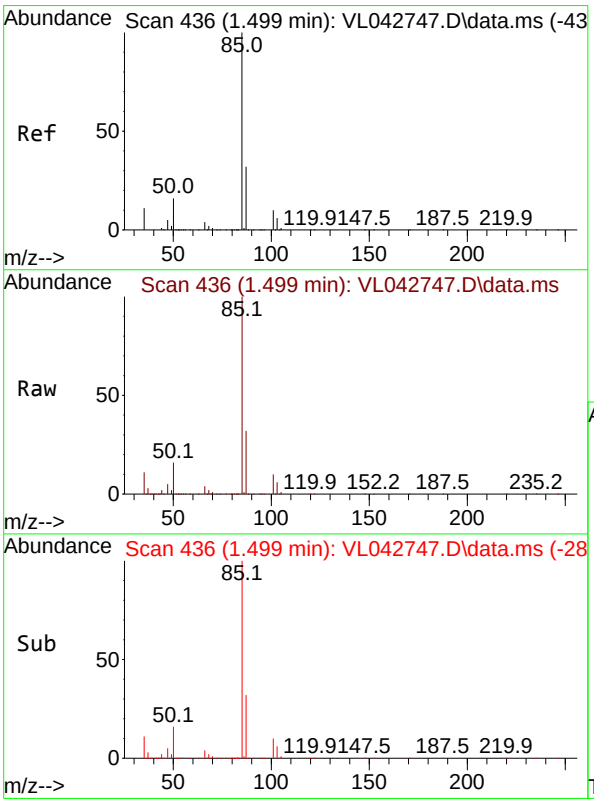
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 159080

Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.6	71.0
130	60.5	30.3	90.8

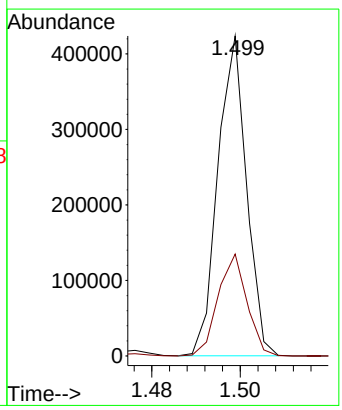


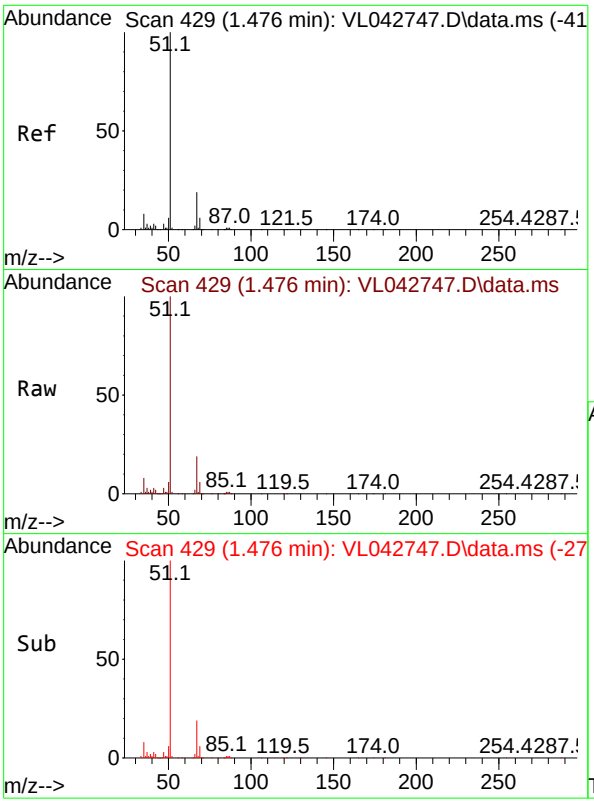


#2
Dichlorodifluoromethane
Concen: 9.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 190592

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2



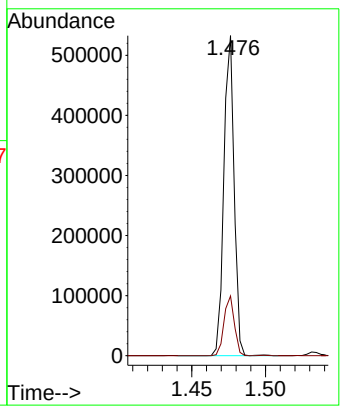


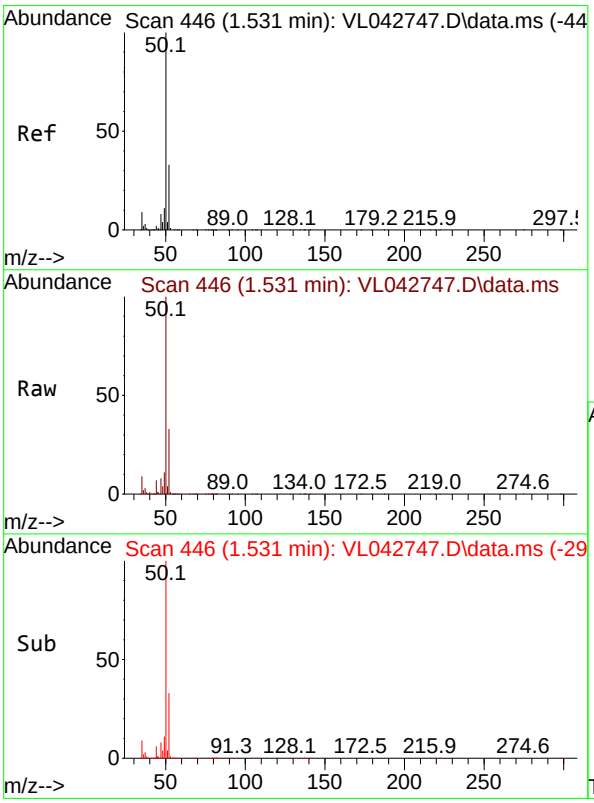
#3
Chlorodifluoromethane
Concen: 9.436 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 258542

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6

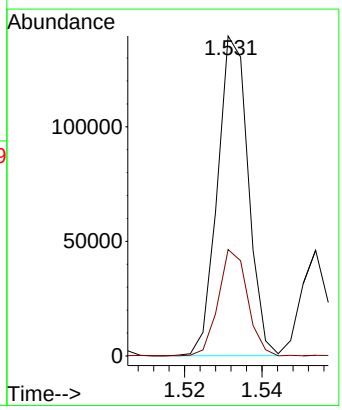


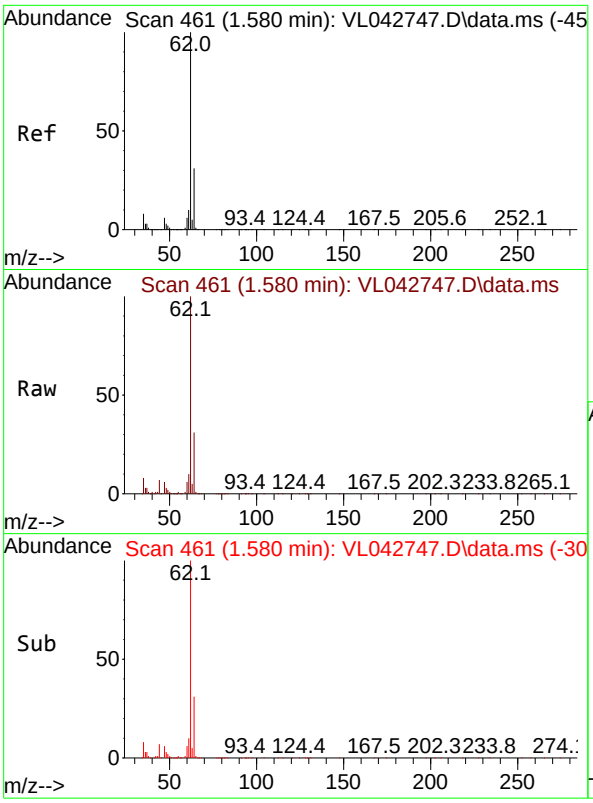


#4
Chloromethane
Concen: 9.050 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 50 Resp: 77006

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



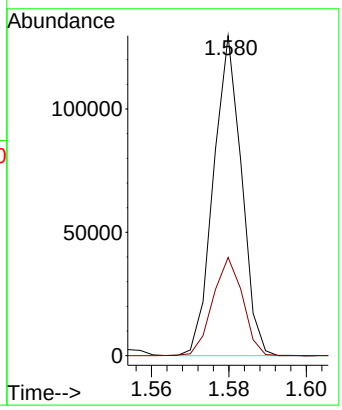


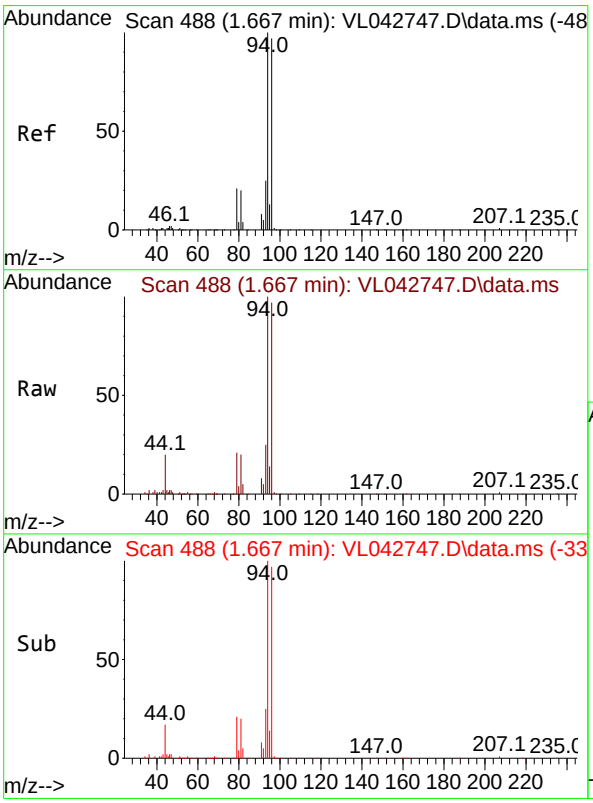
#5
Vinyl Chloride
Concen: 7.773 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 65346

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7

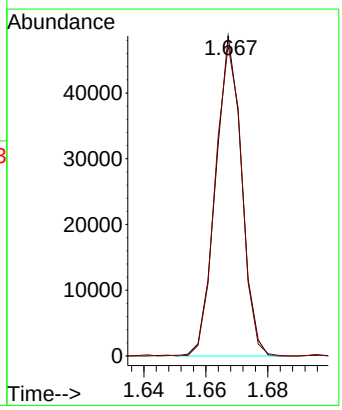


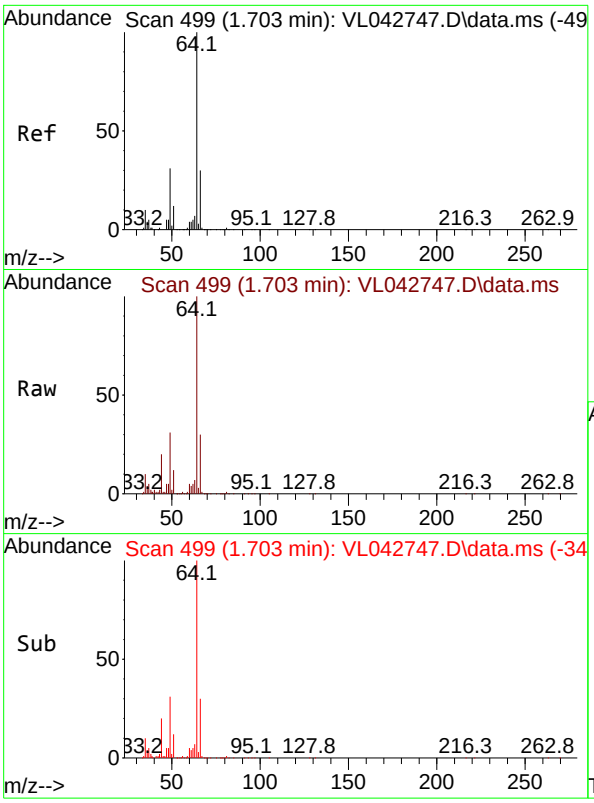


#6
Bromomethane
Concen: 8.705 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 94 Resp: 28292

Ion	Ratio	Lower	Upper
94	100		
96	97.0	77.6	116.4



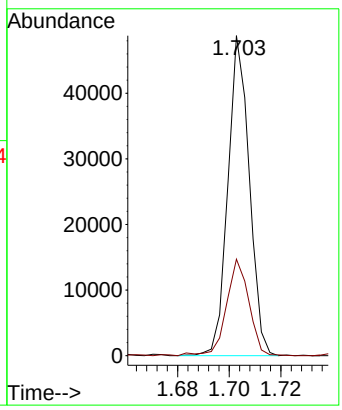


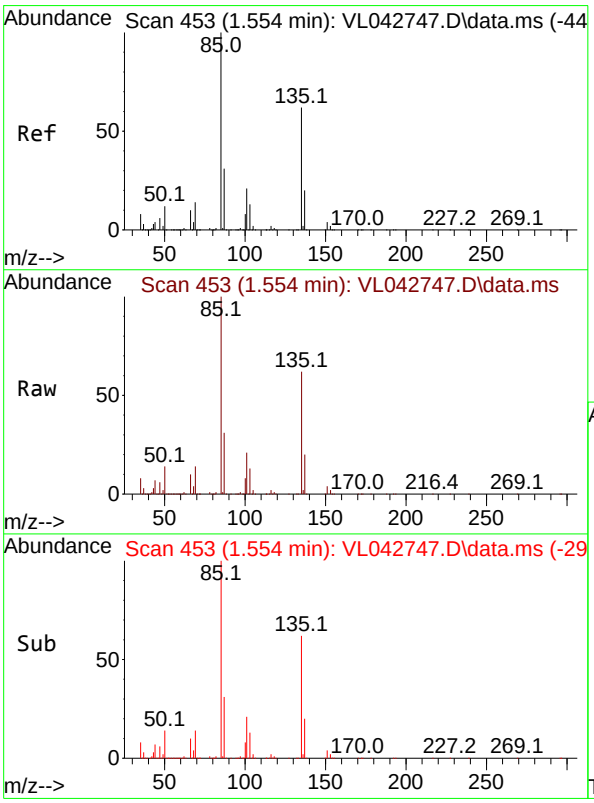
#7
Chloroethane
Concen: 8.646 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 28085

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1

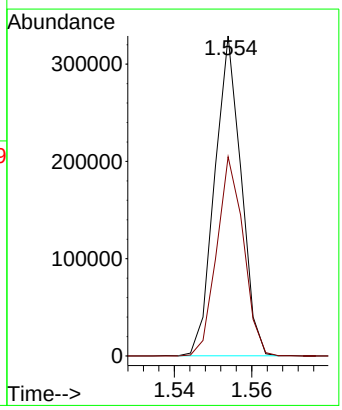


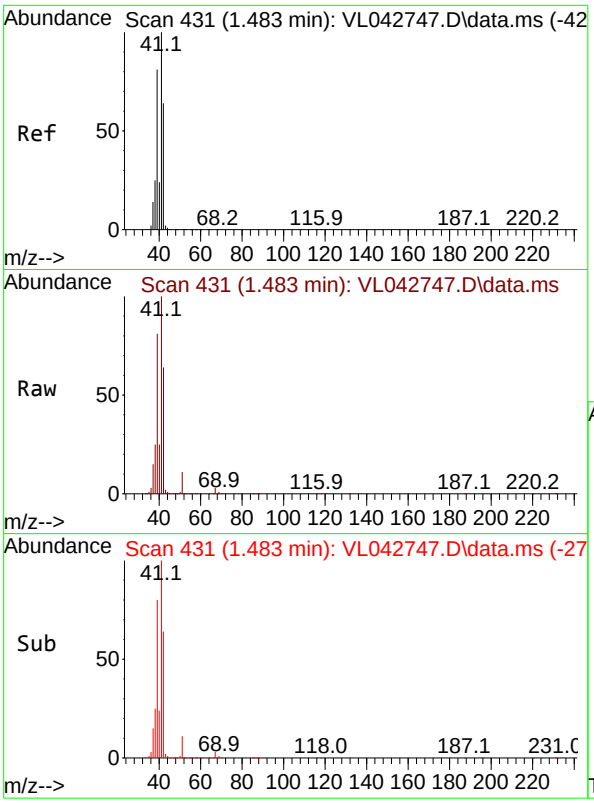


#8
Dichlorotetrafluoroethane
Concen: 9.011 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 155875

Ion	Ratio	Lower	Upper
85	100		
135	63.3	50.6	76.0



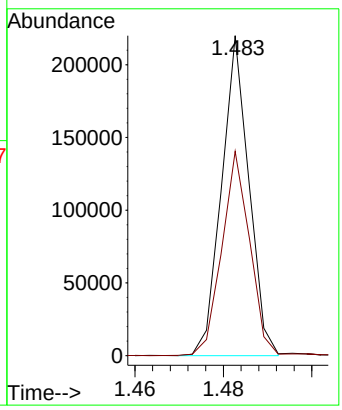


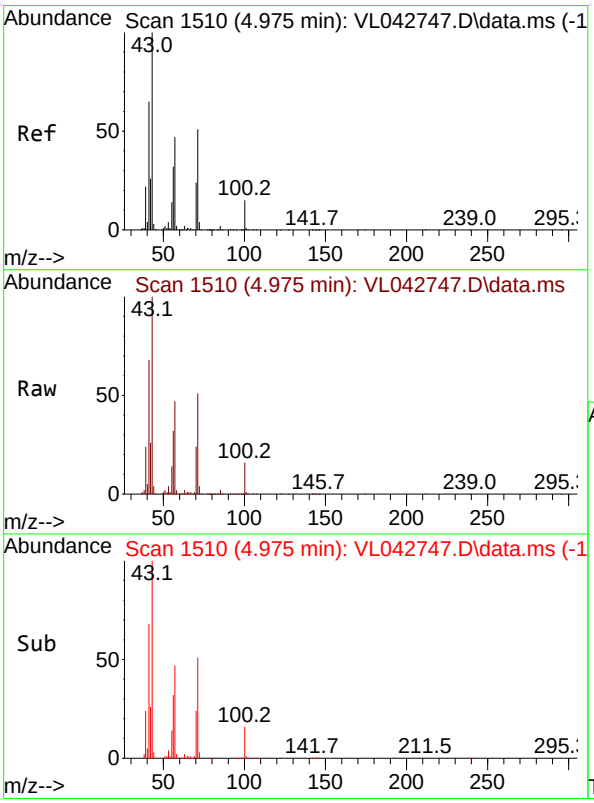
#9
Propene
Concen: 9.488 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 94480

Ion	Ratio	Lower	Upper
41	100		
42	66.5	53.2	79.8

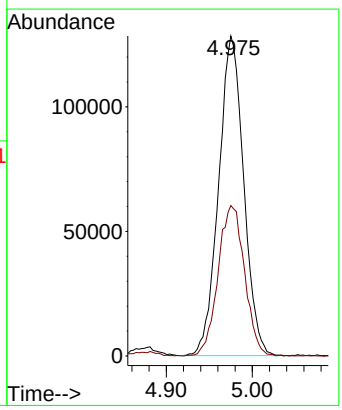


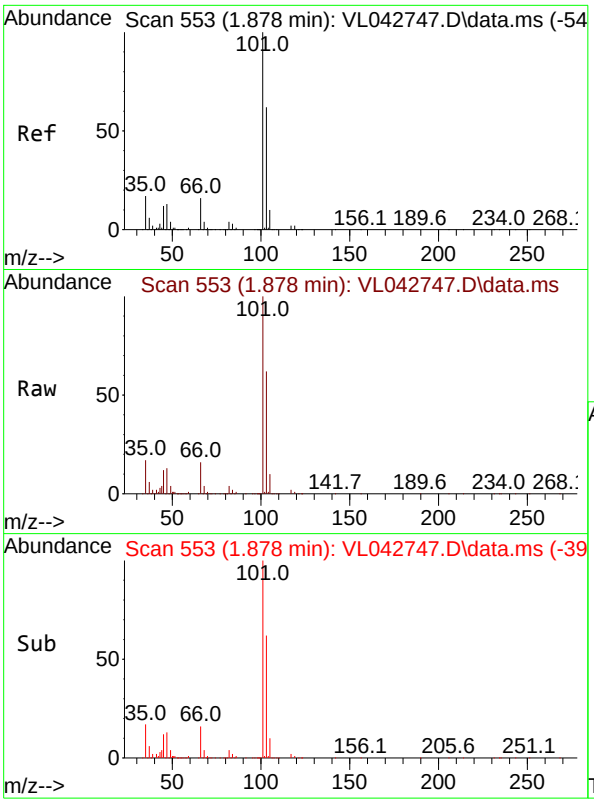


#10
Heptane
Concen: 9.701 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 259821

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9



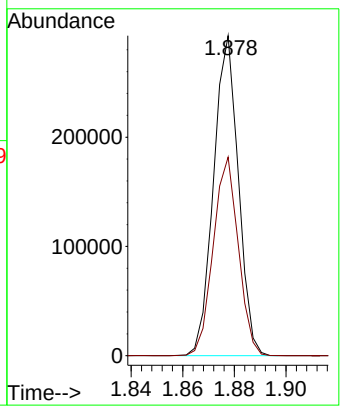


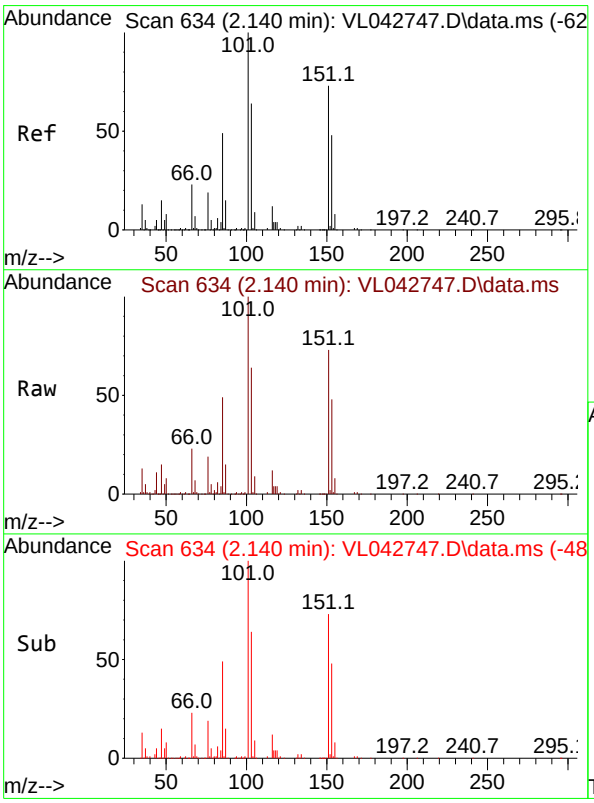
#11
Trichlorofluoromethane
Concen: 8.992 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 194964

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4

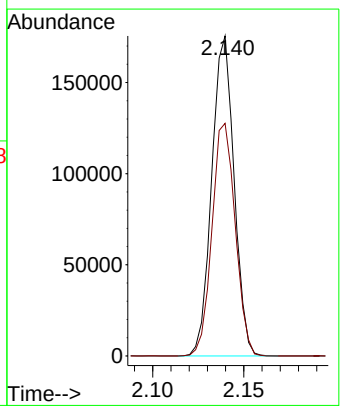


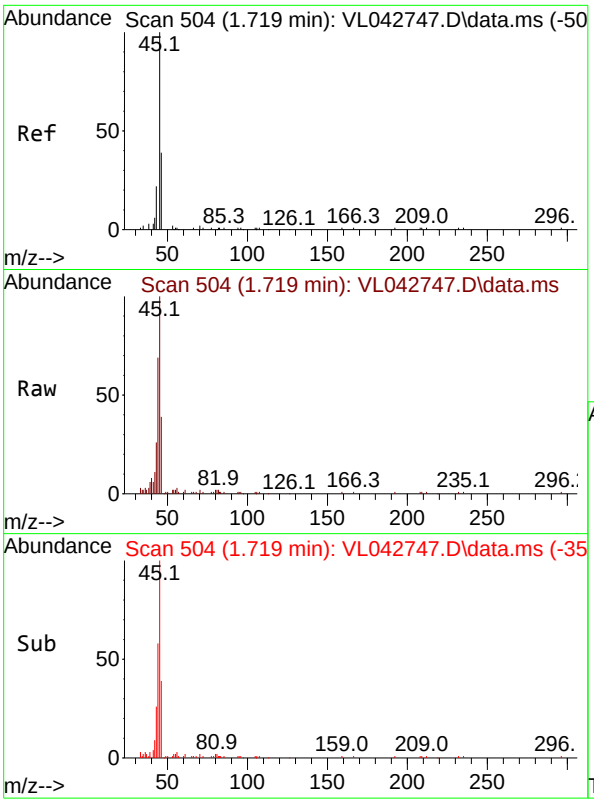


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.081 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 149612

Ion	Ratio	Lower	Upper
101	100		
151	75.6	60.5	90.7



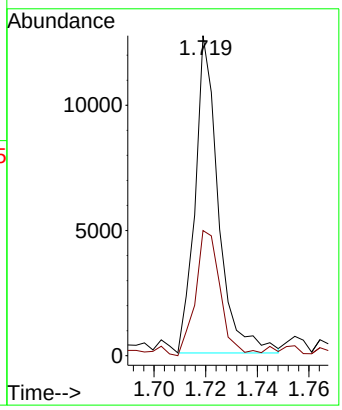


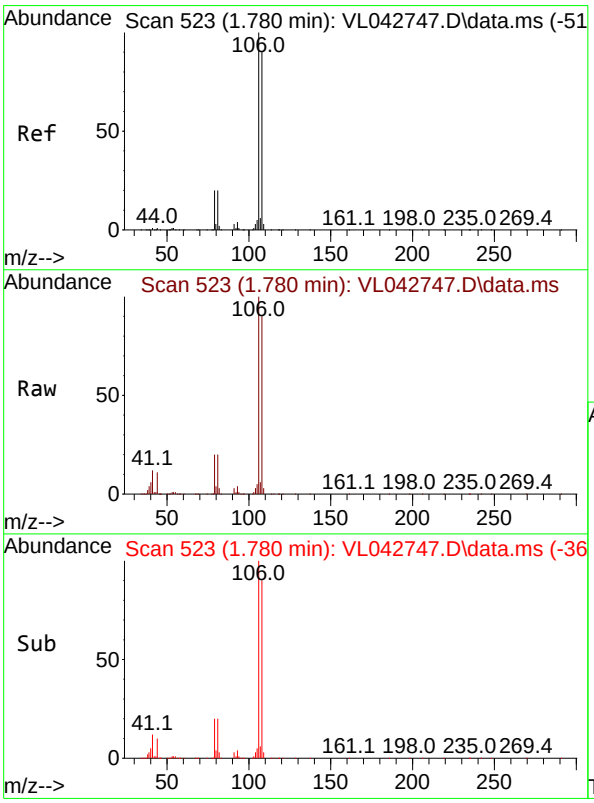
#13
Ethanol
Concen: 9.867 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 7949

Ion	Ratio	Lower	Upper
45	100		
46	46.5	17.8	71.4

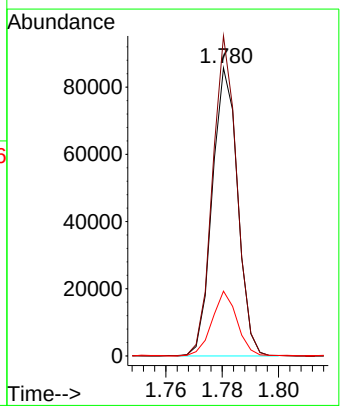


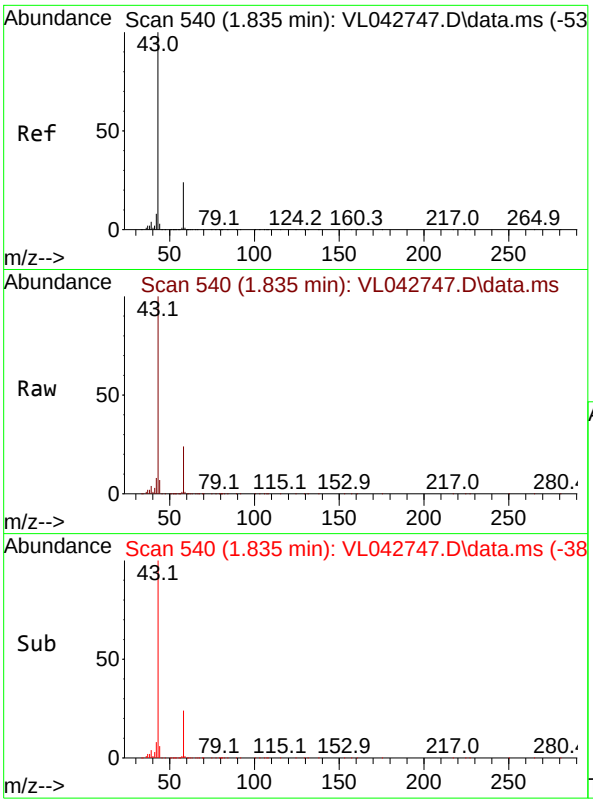


#14
Bromoethene
Concen: 9.193 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:108 Resp: 53625

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.7	127.1
79	21.8	17.4	26.2



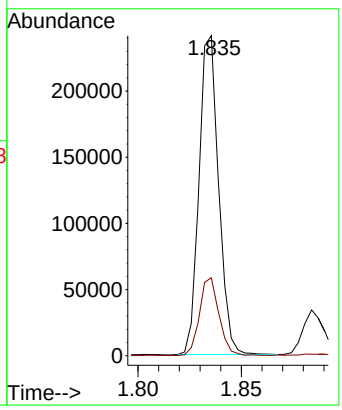


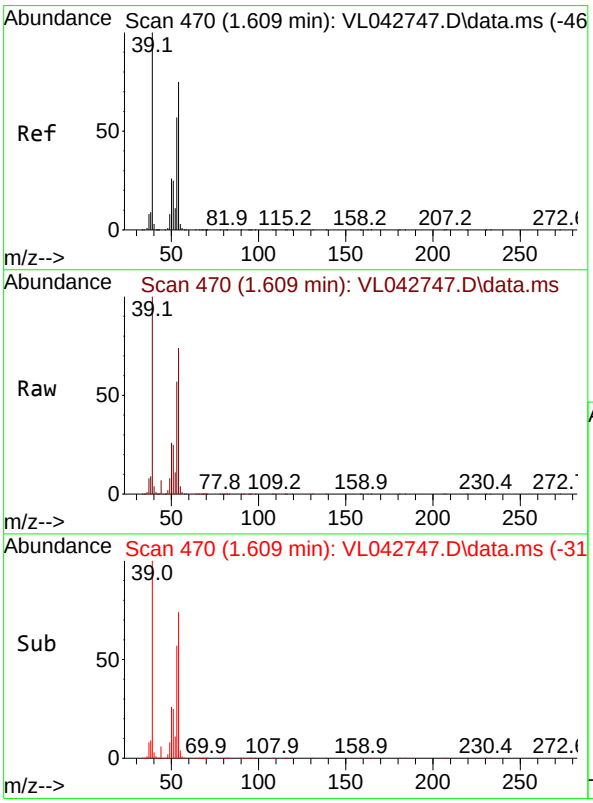
#15
Acetone
Concen: 7.225 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 158714

Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.8	29.8

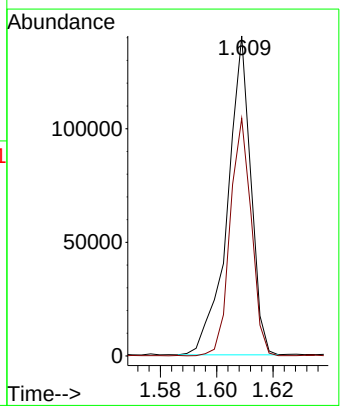


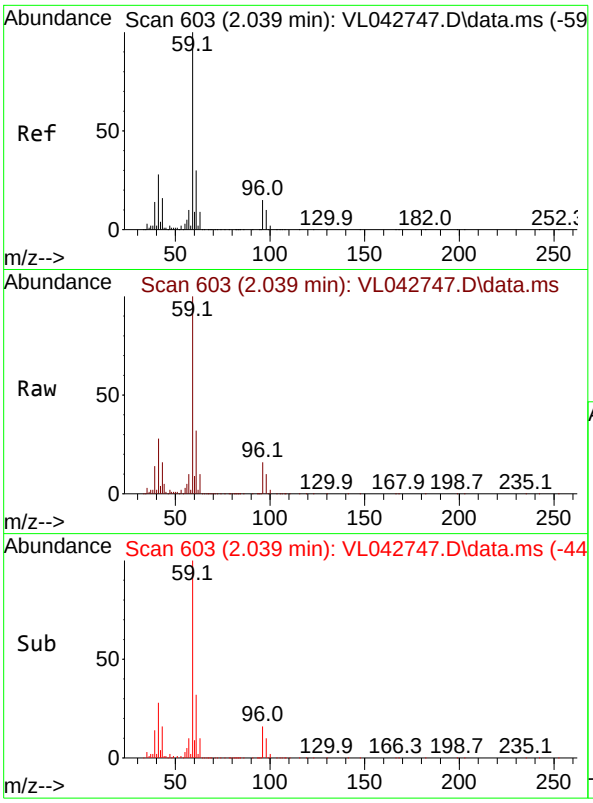


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 39 Resp: 80968

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7



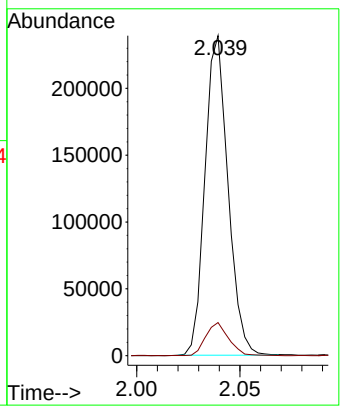


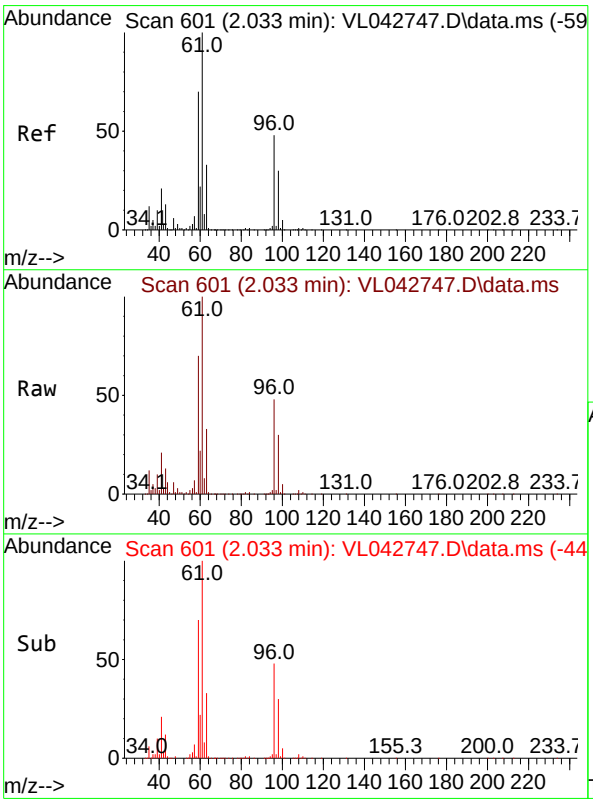
#17
tert-Butyl alcohol
Concen: 9.351 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 185262

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

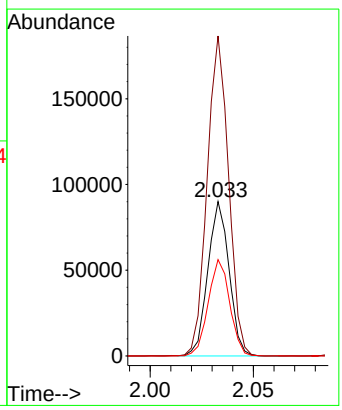


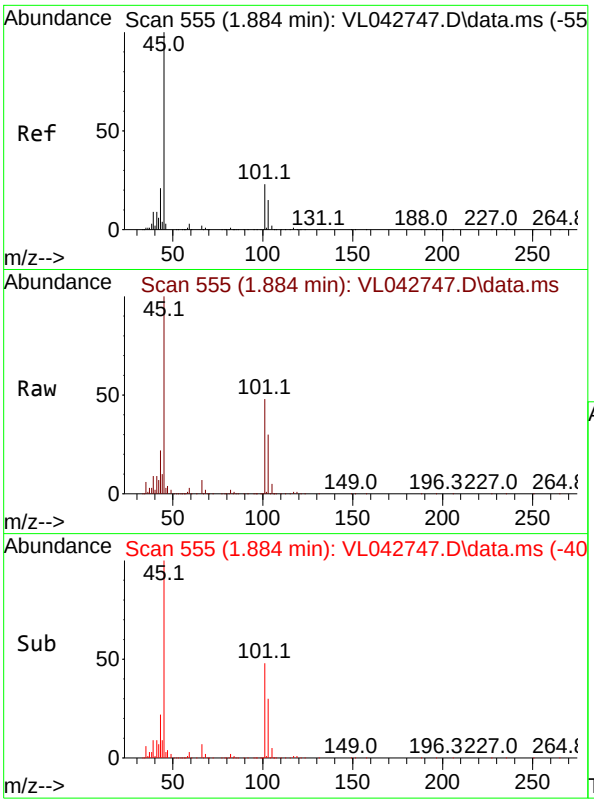


#18
1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 64224

Ion	Ratio	Lower	Upper
96	100		
61	207.2	165.8	248.6
98	62.4	49.9	74.9



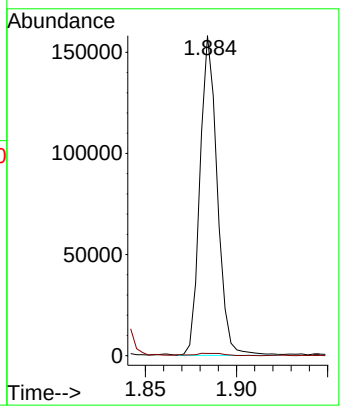


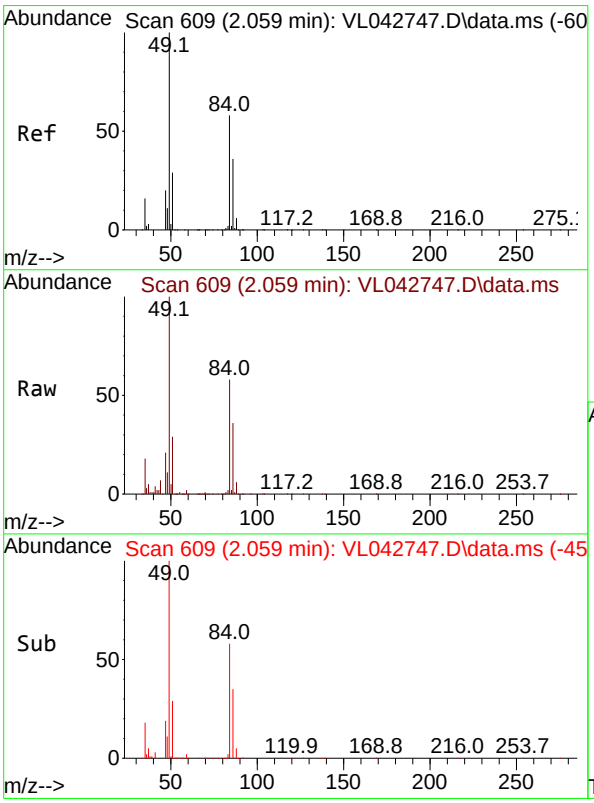
#19
Isopropyl Alcohol
Concen: 8.987 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 104903

Ion	Ratio	Lower	Upper
45	100		
58	37.5	30.0	45.0

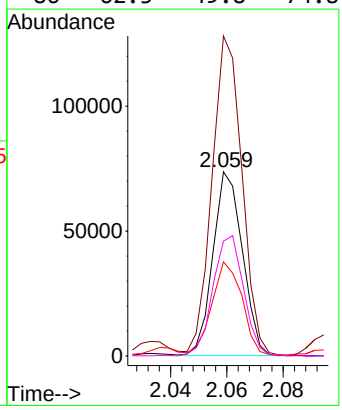


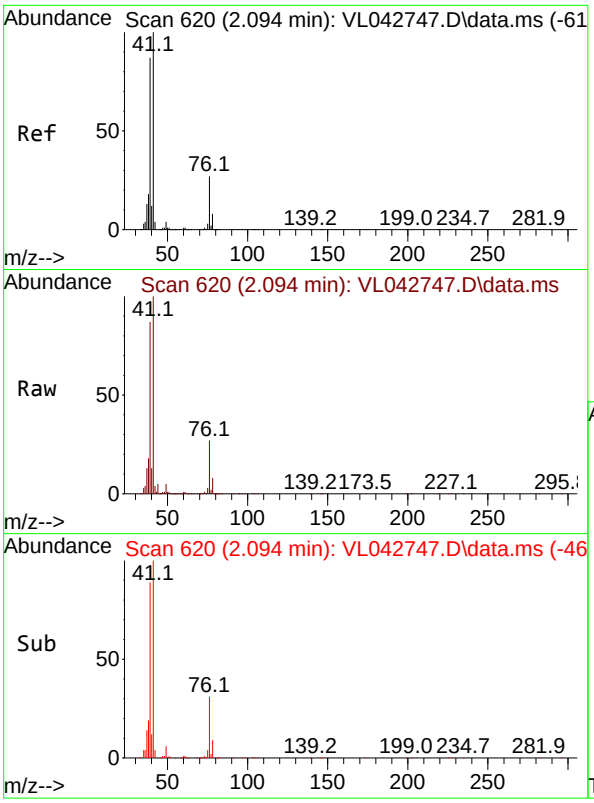


#20
Methylene Chloride
Concen: 7.740 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 53581

Ion	Ratio	Lower	Upper
84	100		
49	173.3	138.6	208.0
51	50.8	40.6	61.0
86	62.3	49.8	74.8



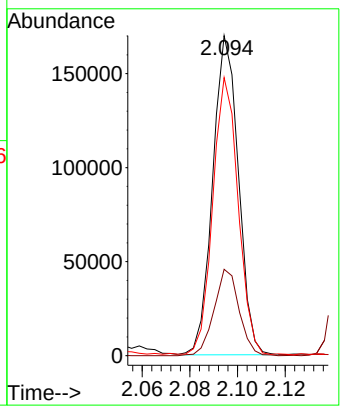


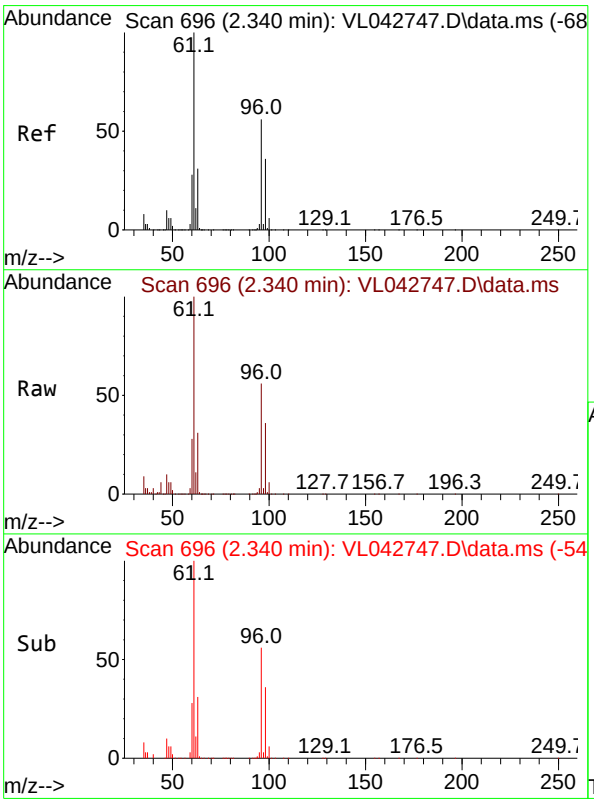
#21
Allyl Chloride
Concen: 9.382 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 127021

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.1	31.7
39	85.4	68.3	102.5

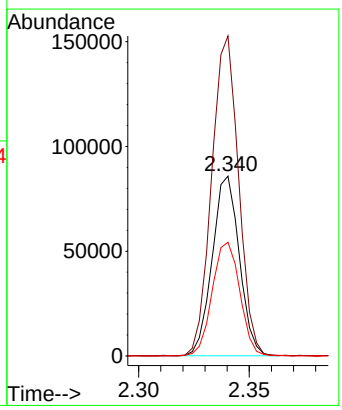


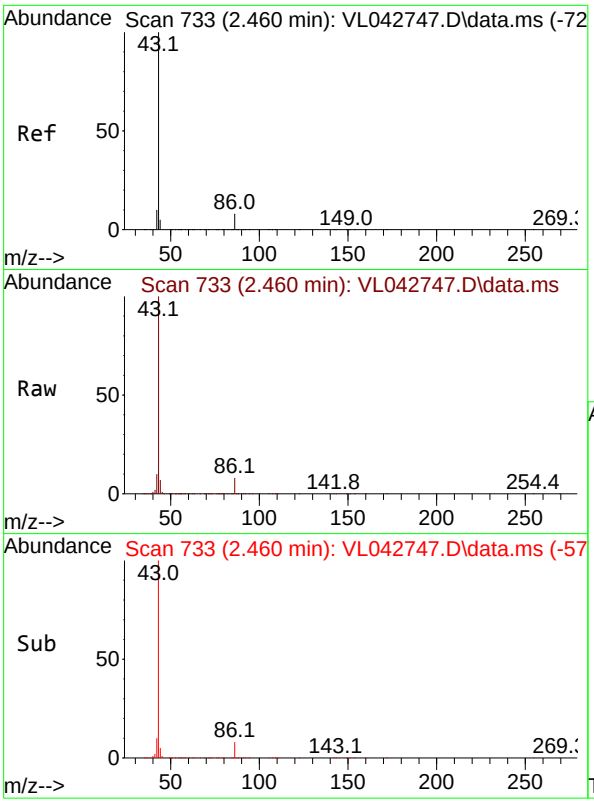


#22
trans-1,2-Dichloroethene
Concen: 9.148 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 73152

Ion	Ratio	Lower	Upper
96	100		
61	177.9	142.3	213.5
98	63.3	50.6	76.0



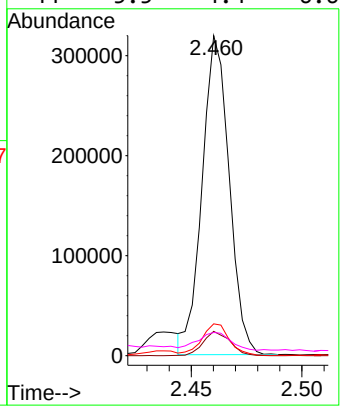


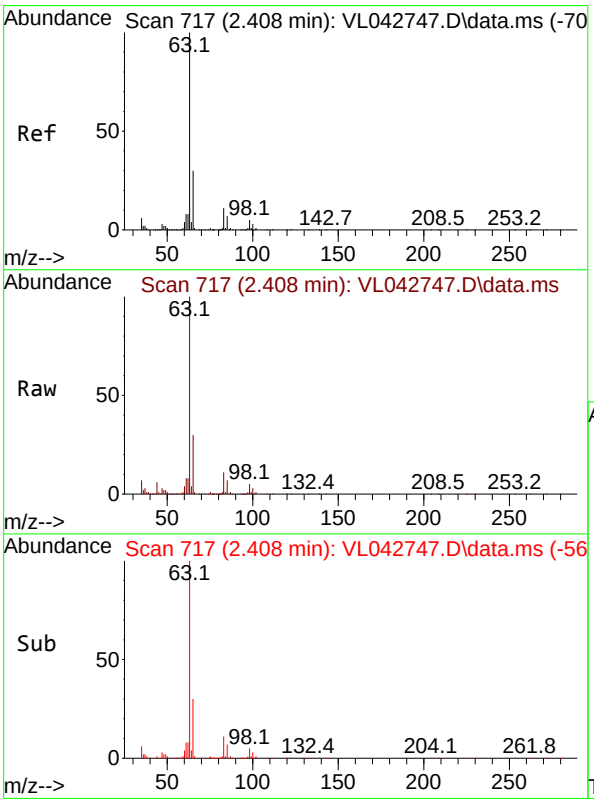
#23
Vinyl Acetate
Concen: 10.181 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 271125

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.8	7.8	11.8
44	5.5	4.4	6.6

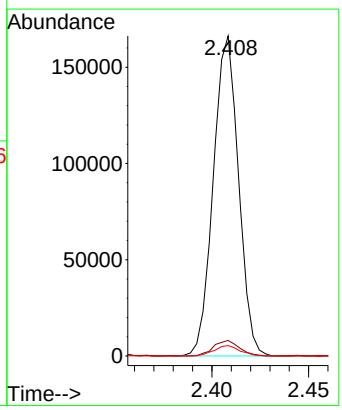


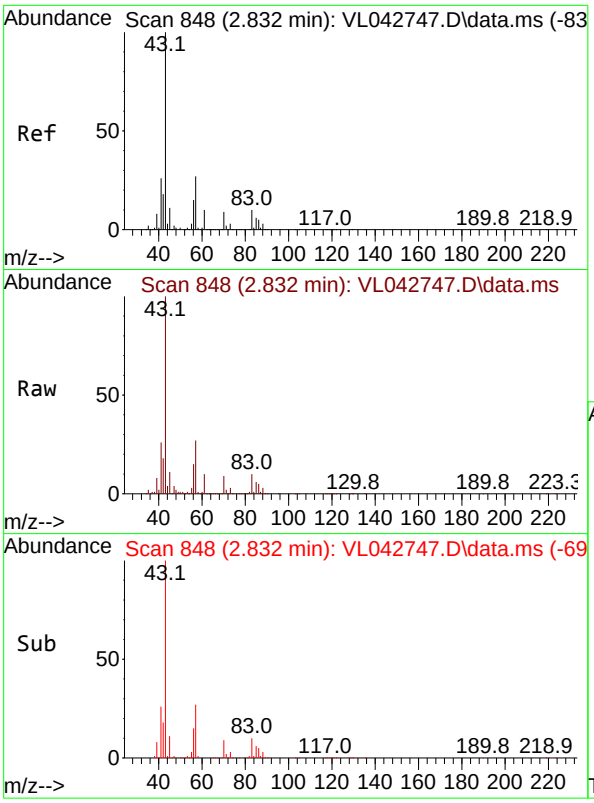


#24
1,1-Dichloroethane
Concen: 9.141 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 150257

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	3.2	1.6	4.8



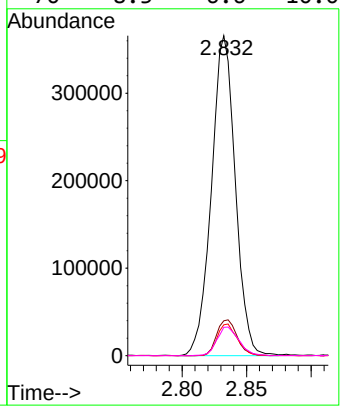


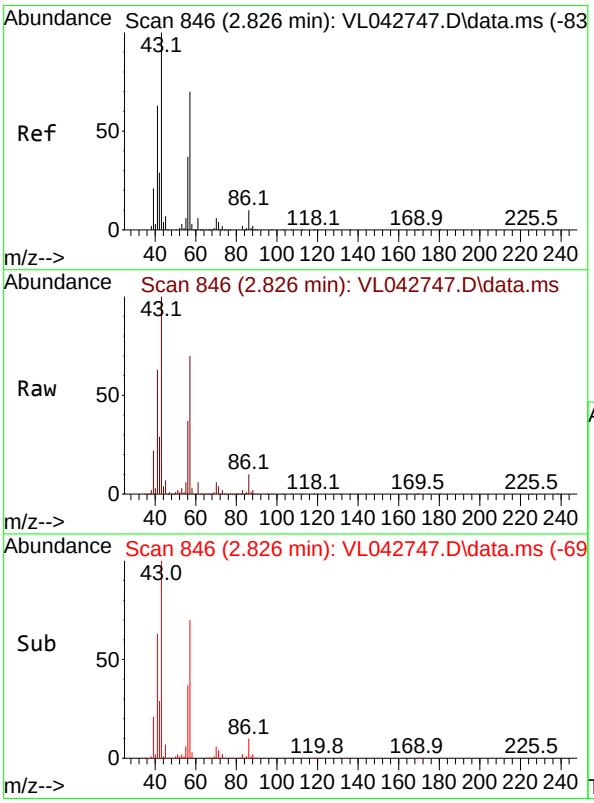
#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 469997

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.4	6.7	10.1
70	8.3	6.6	10.0

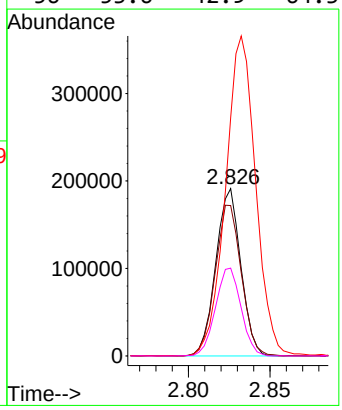


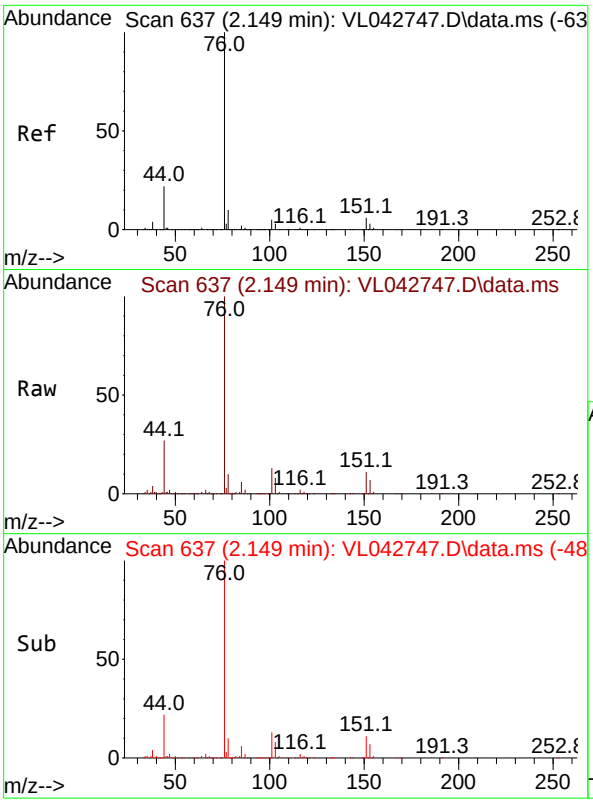


#26
Hexane
Concen: 9.555 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 203800

Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.4	113.2
43	231.3	185.0	277.6
56	53.6	42.9	64.3



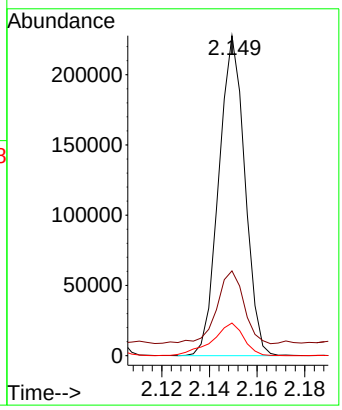


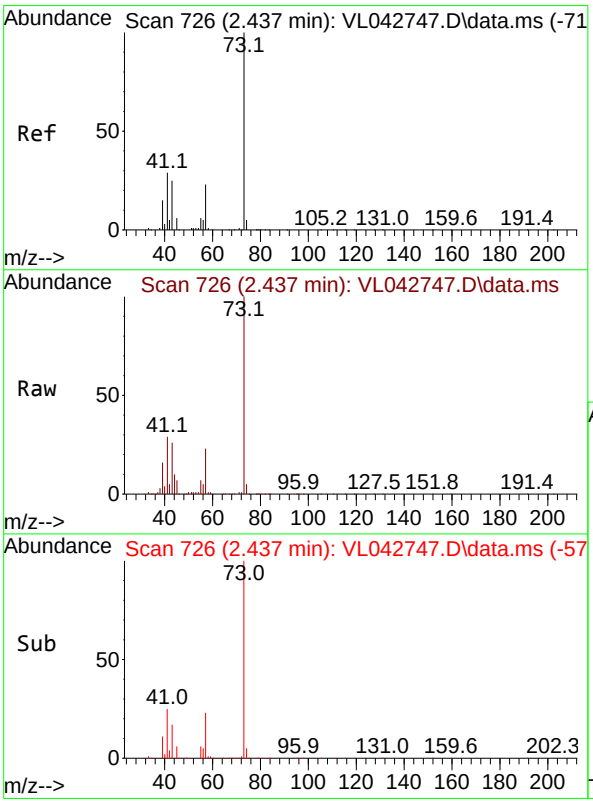
#27
Carbon Disulfide
Concen: 9.480 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 173105

Ion	Ratio	Lower	Upper
76	100		
44	24.1	19.3	28.9
78	12.4	9.9	14.9

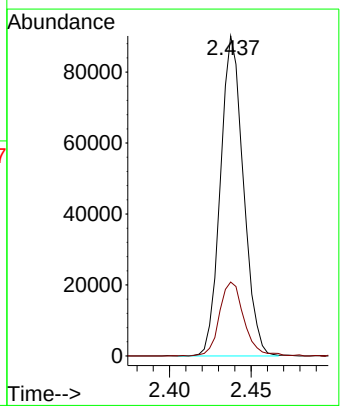


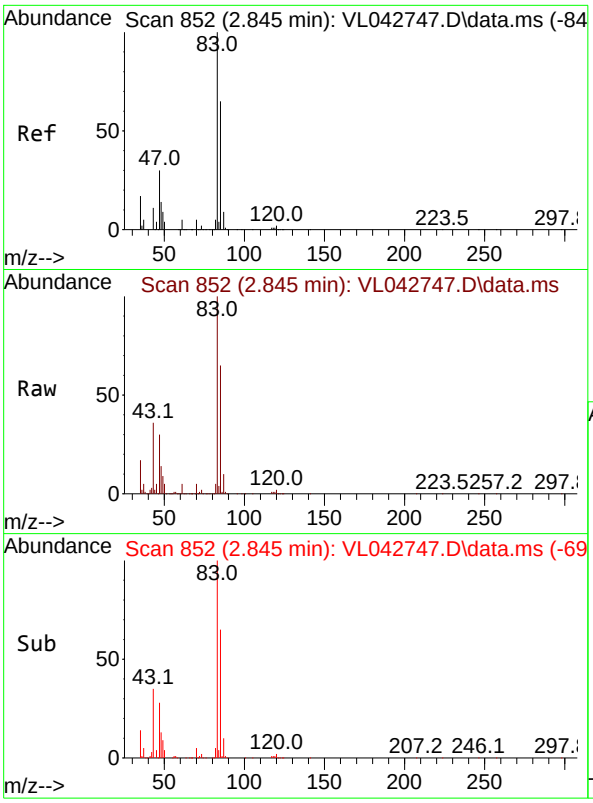


#28
Methyl tert-Butyl Ether
Concen: 8.770 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 73 Resp: 88372

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8



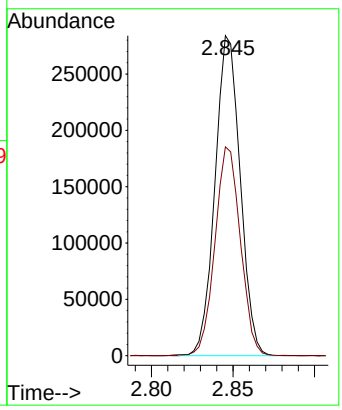


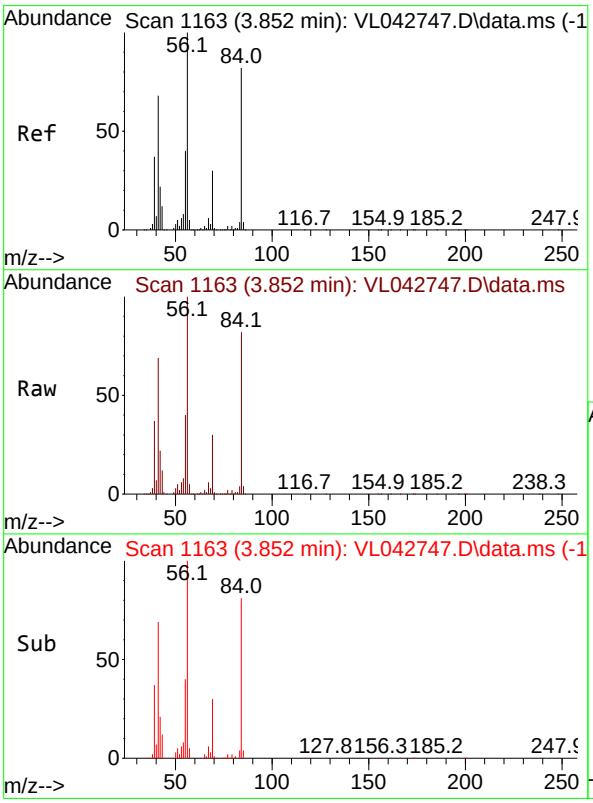
#29
Chloroform
Concen: 9.244 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 304670

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2

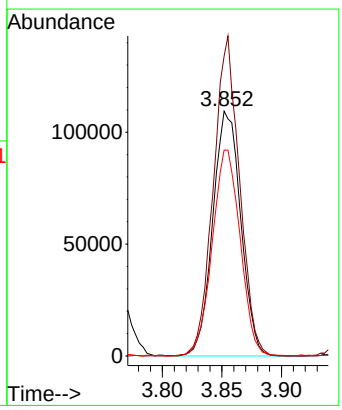


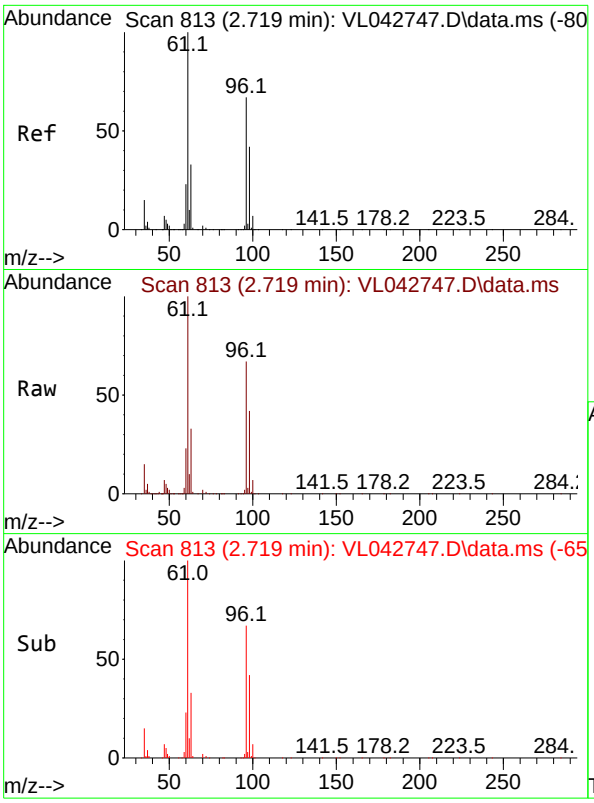


#30
Cyclohexane
Concen: 9.892 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 178948

Ion	Ratio	Lower	Upper
84	100		
56	121.9	97.5	146.3
41	84.0	67.2	100.8



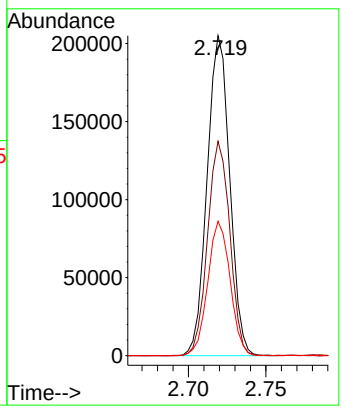


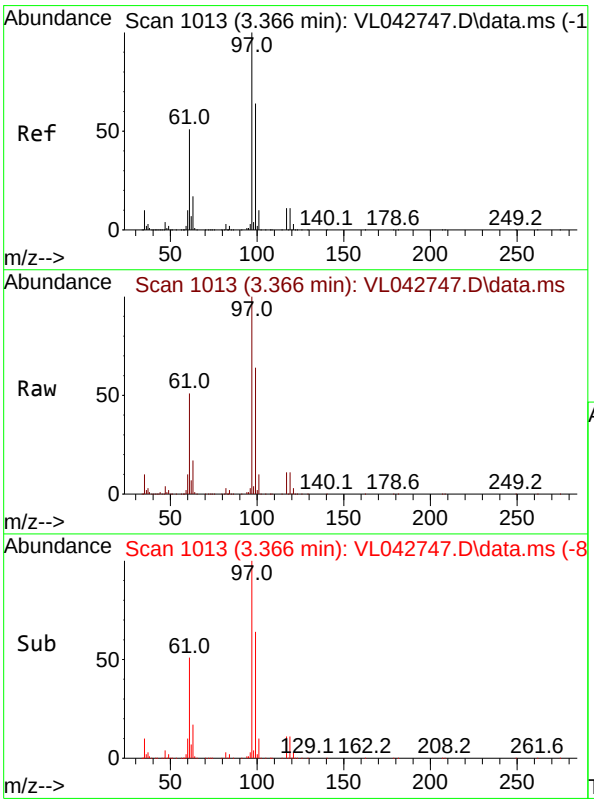
#31
cis-1,2-Dichloroethene
Concen: 9.479 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 207751

Ion	Ratio	Lower	Upper
61	100		
96	66.9	53.5	80.3
98	42.0	33.6	50.4

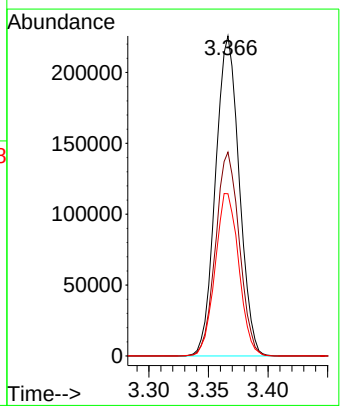


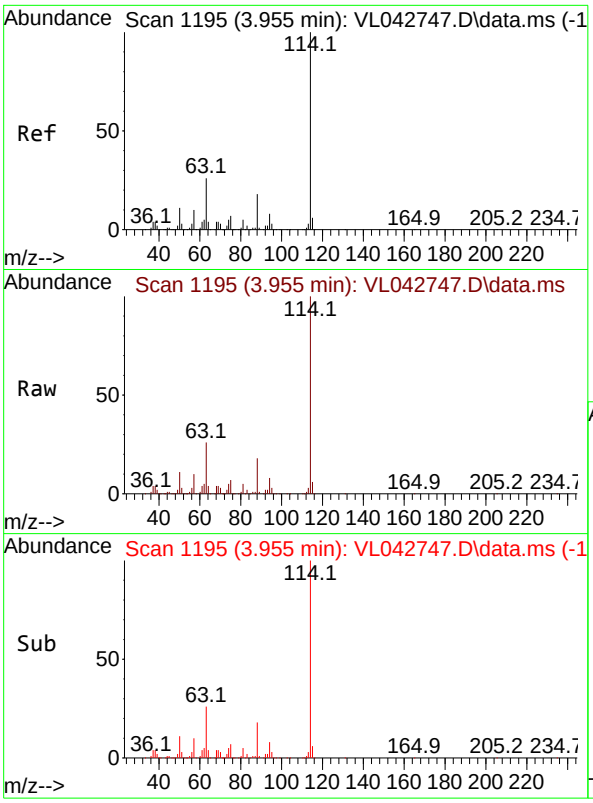


#32
1,1,1-Trichloroethane
Concen: 9.069 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 311368

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	51.1	40.9	61.3



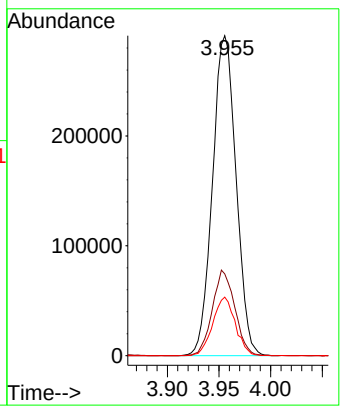


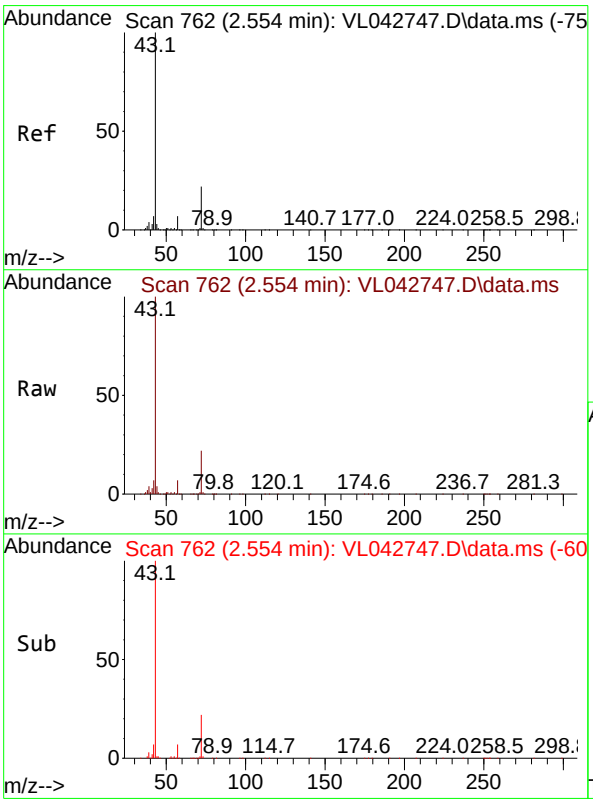
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 462763

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.5	14.0	21.0

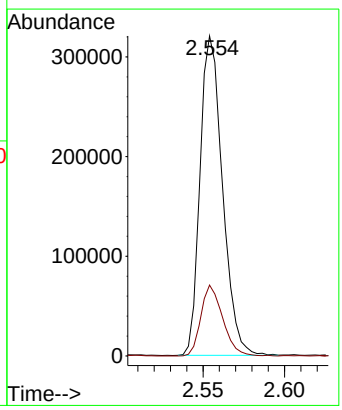


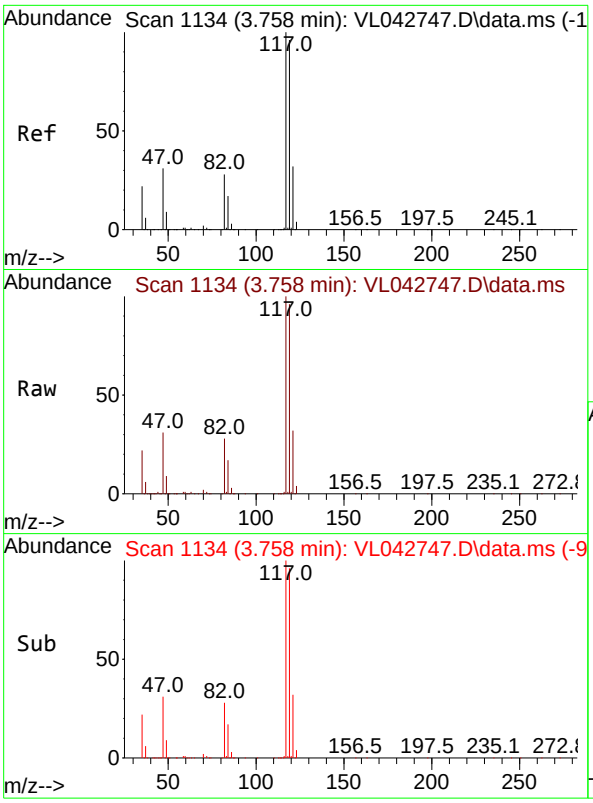


#34
2-Butanone
Concen: 9.361 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 306858

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.0



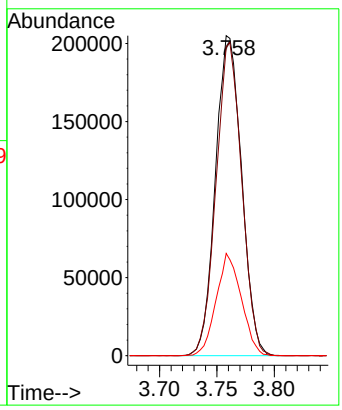


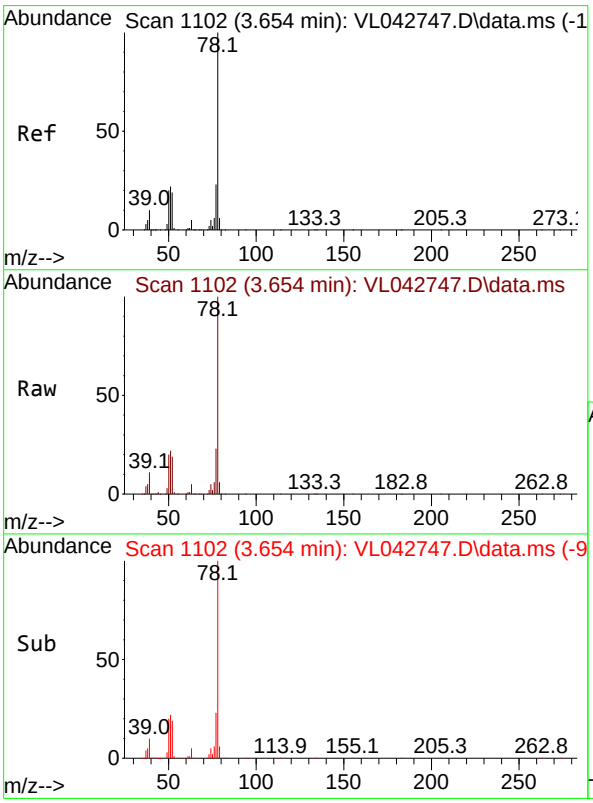
#35
Carbon Tetrachloride
Concen: 9.436 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 324501

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.9	25.5	38.3

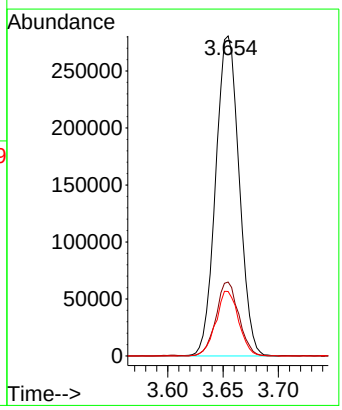


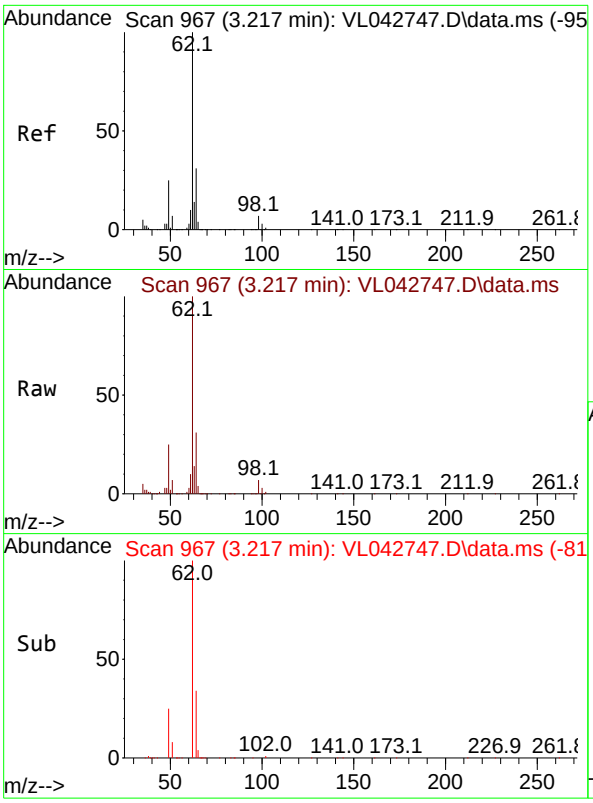


#36
Benzene
Concen: 9.459 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 78 Resp: 414863

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	20.2	16.2	24.2



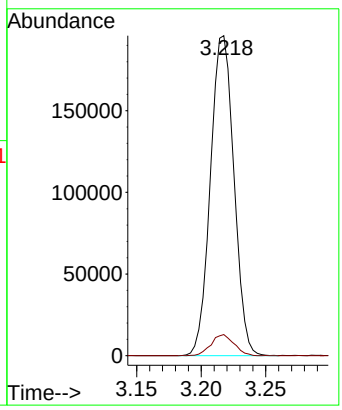


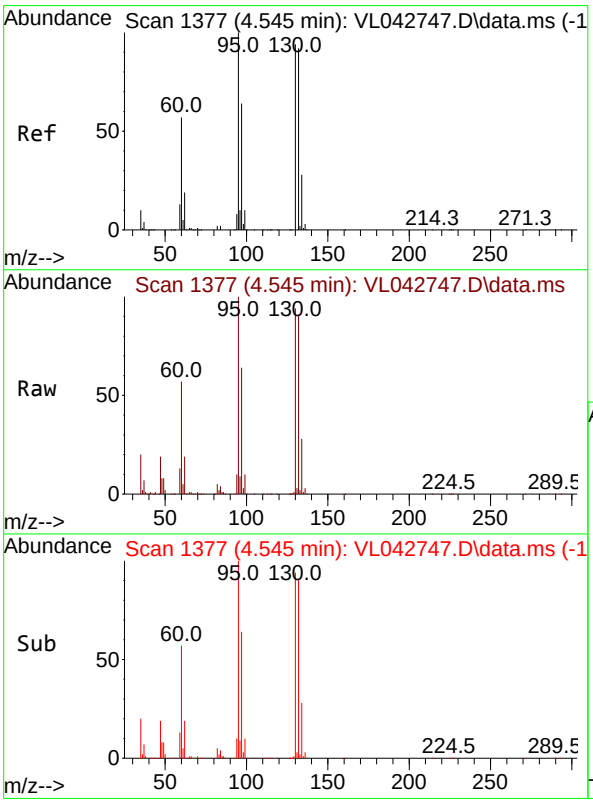
#37
1,2-Dichloroethane
Concen: 9.403 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 248414

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

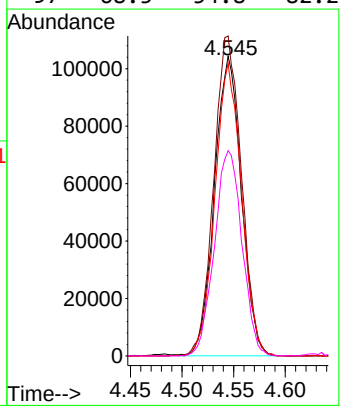


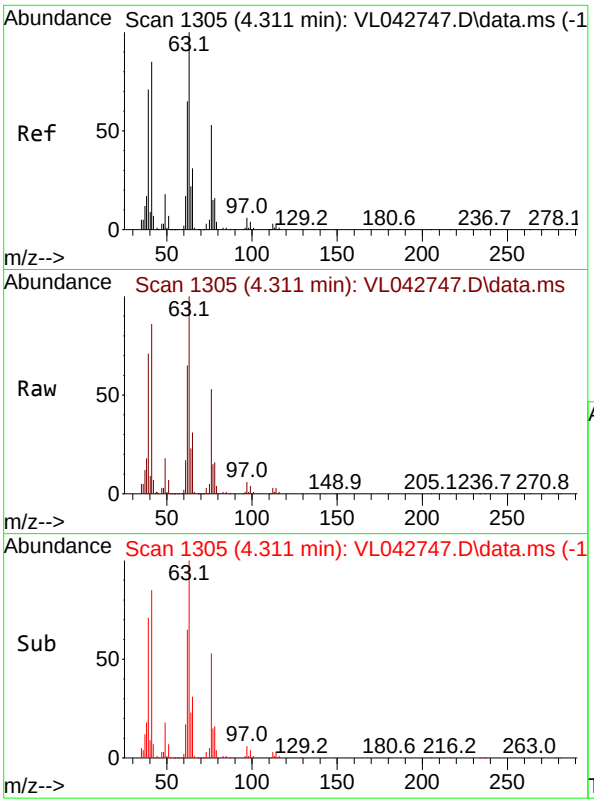


#38
Trichloroethene
Concen: 8.926 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:130 Resp: 188750

Ion	Ratio	Lower	Upper
130	100		
95	106.8	85.4	128.2
132	97.7	78.2	117.2
97	68.5	54.8	82.2



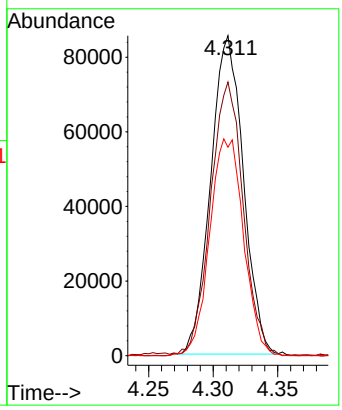


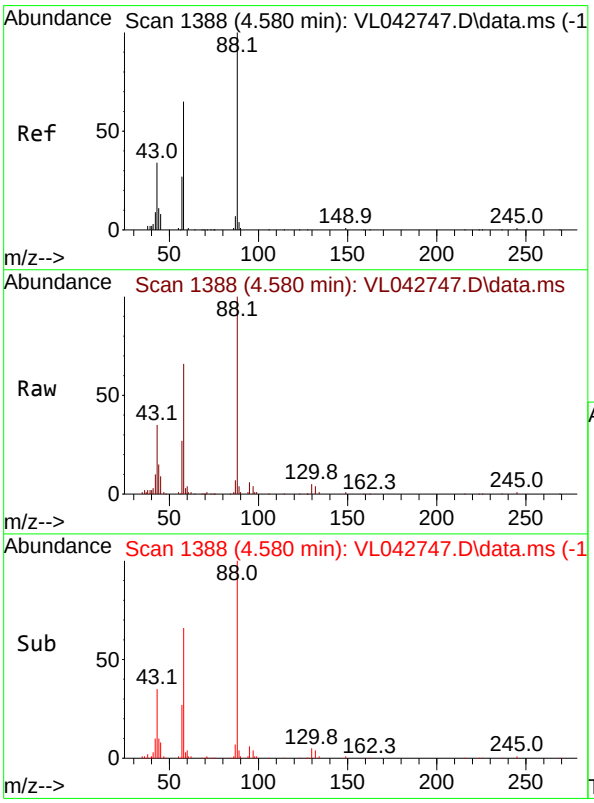
#39
1,2-Dichloropropane
Concen: 9.251 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 149771

Ion	Ratio	Lower	Upper
63	100		
41	85.3	68.2	102.4
62	65.0	52.0	78.0

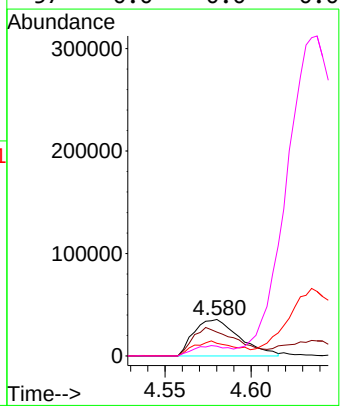


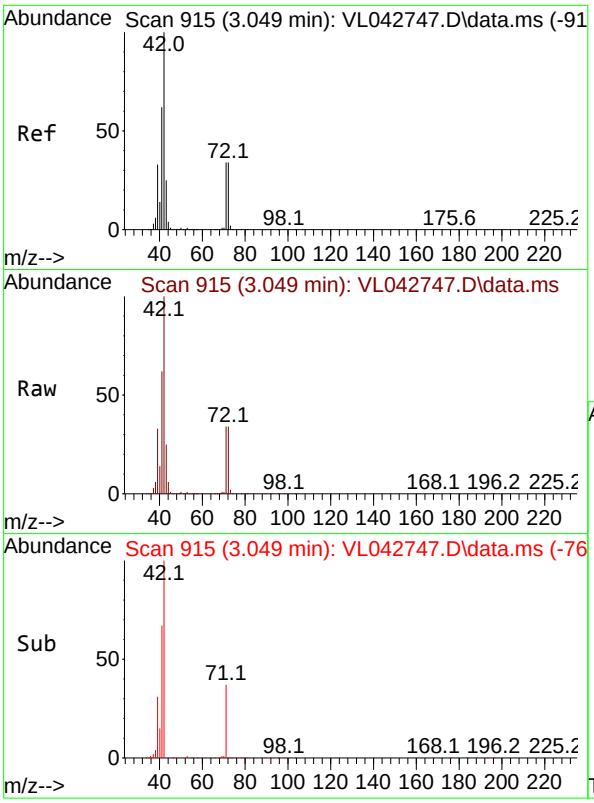


#40
1,4-Dioxane
Concen: 8.569 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 88 Resp: 65413

Ion	Ratio	Lower	Upper
88	100		
58	73.5	58.8	88.2
43	36.1	28.9	43.3
57	0.0	0.0	0.0



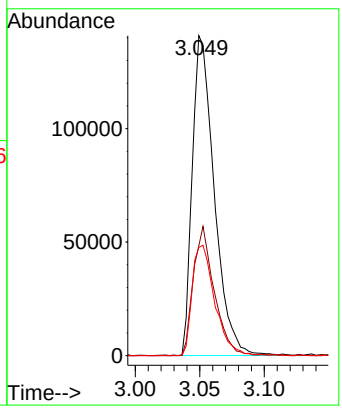


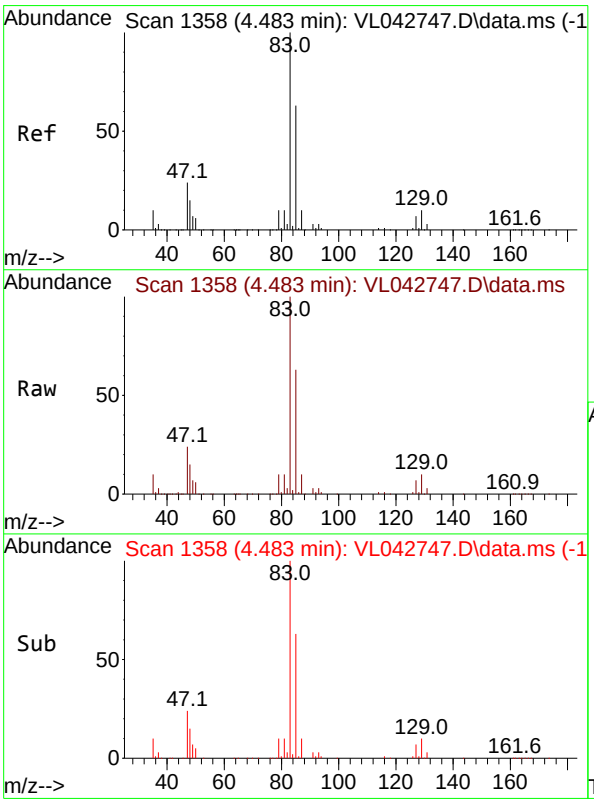
#41
Tetrahydrofuran
Concen: 10.160 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 167323

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	35.8	28.6	43.0

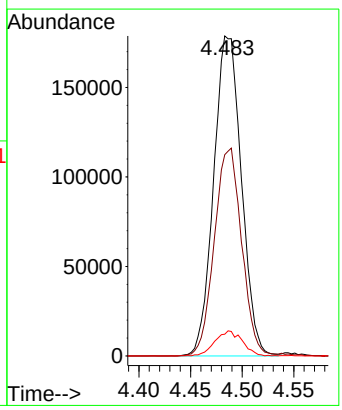


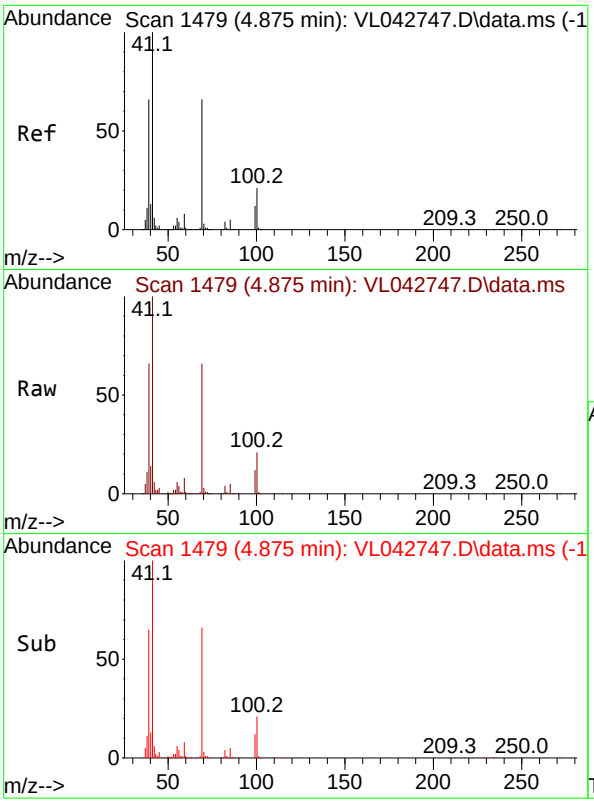


#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 334531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.8	5.4	8.2



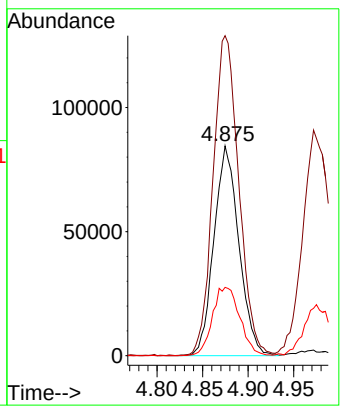


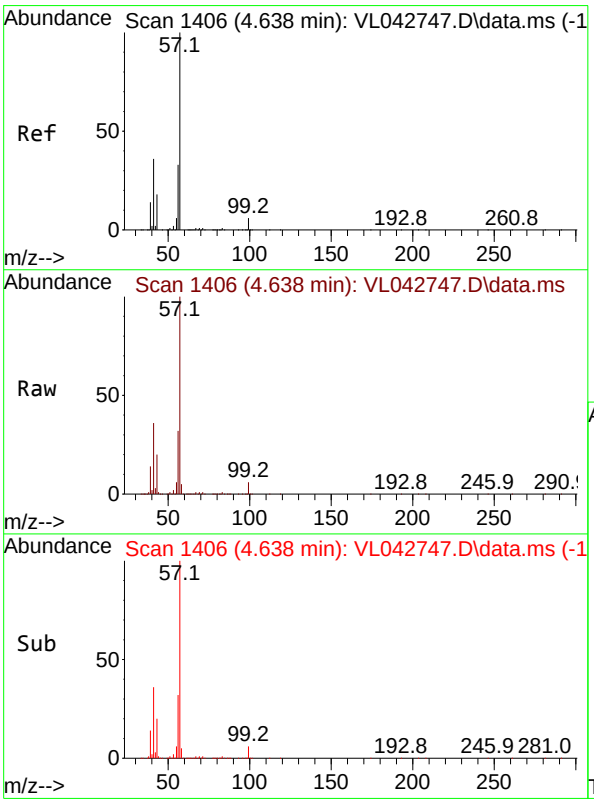
#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 161053

Ion	Ratio	Lower	Upper
69	100		
41	157.1	125.7	188.5
100	35.7	28.6	42.8

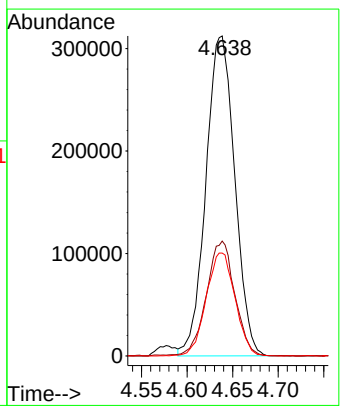


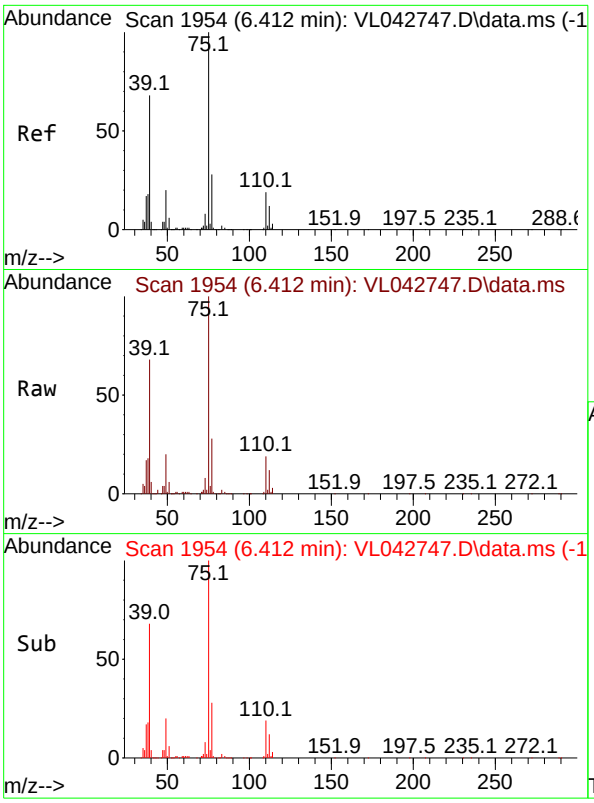


#44
2,2,4-Trimethylpentane
Concen: 9.623 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 687885

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.3	42.5
56	32.2	25.8	38.6



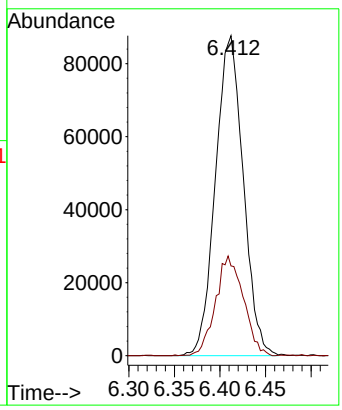


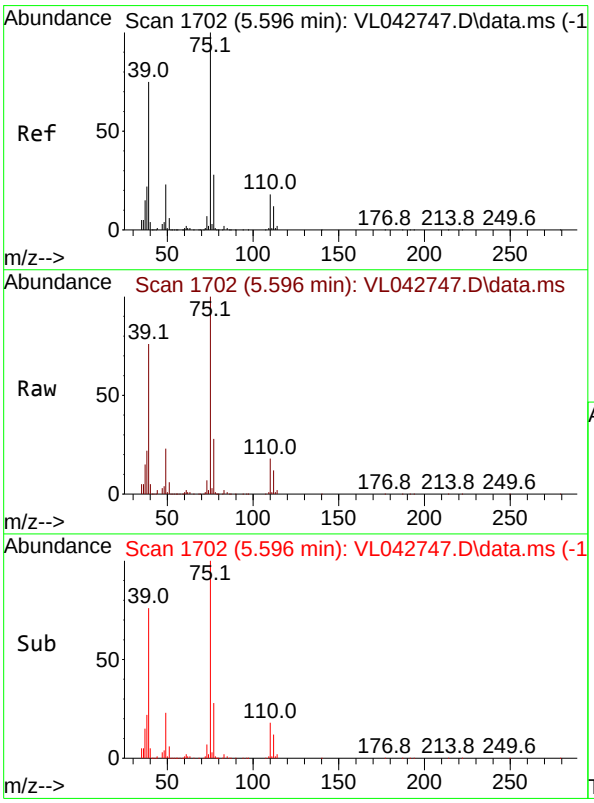
#45
t-1,3-Dichloropropene
Concen: 10.633 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 185965

Ion	Ratio	Lower	Upper
75	100		
77	28.0	22.4	33.6

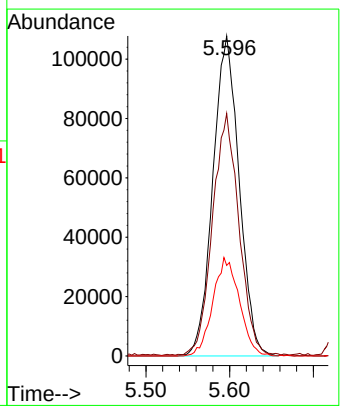


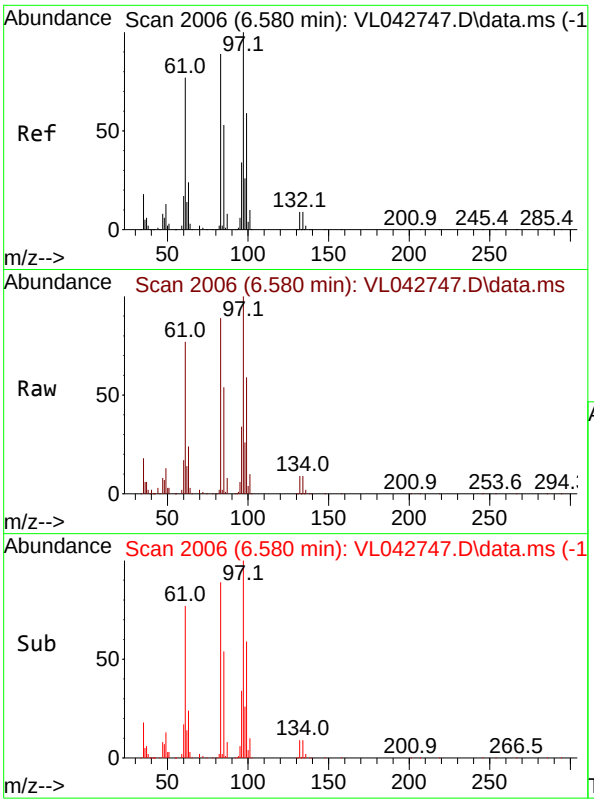


#46
cis-1,3-Dichloropropene
Concen: 10.587 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 234594

Ion	Ratio	Lower	Upper
75	100		
39	75.2	60.2	90.2
77	28.3	22.6	34.0



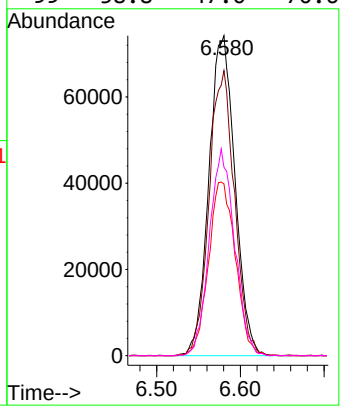


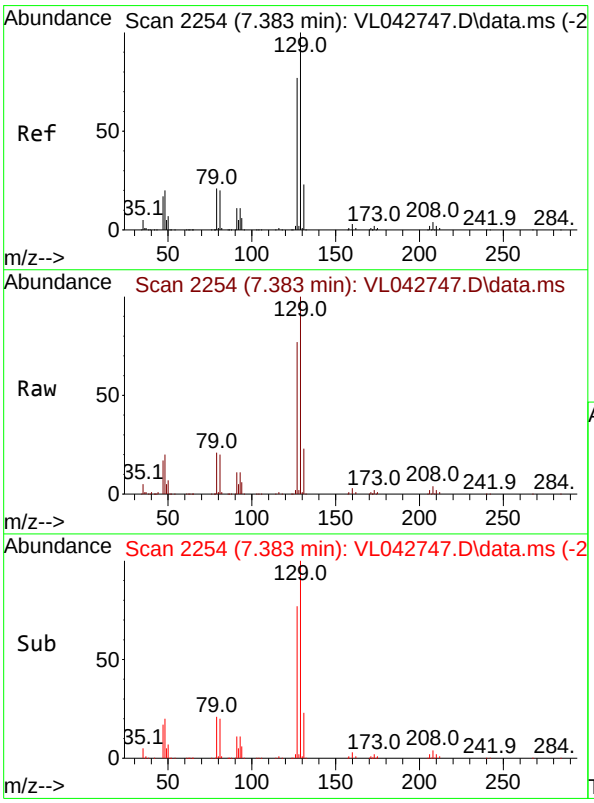
#47
1,1,2-Trichloroethane
Concen: 9.297 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 160431

Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.1	106.7
85	53.7	43.0	64.4
99	58.8	47.0	70.6

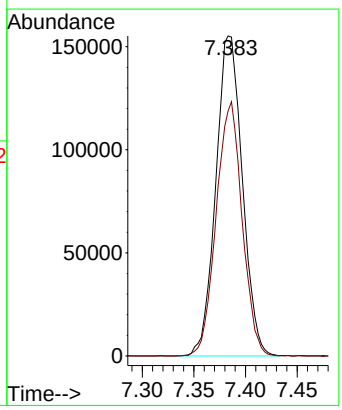


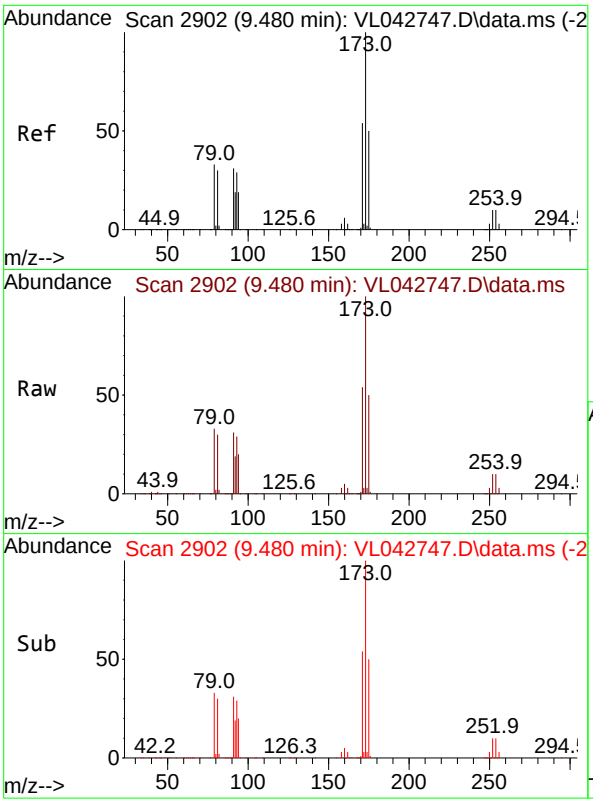


#48
Dibromochloromethane
Concen: 10.141 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:129 Resp: 277832

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1



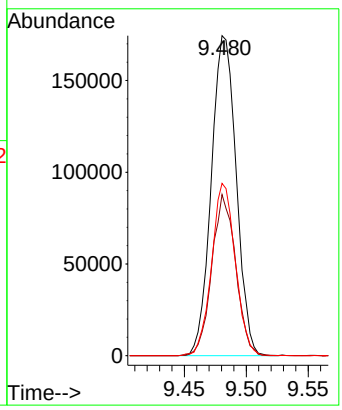


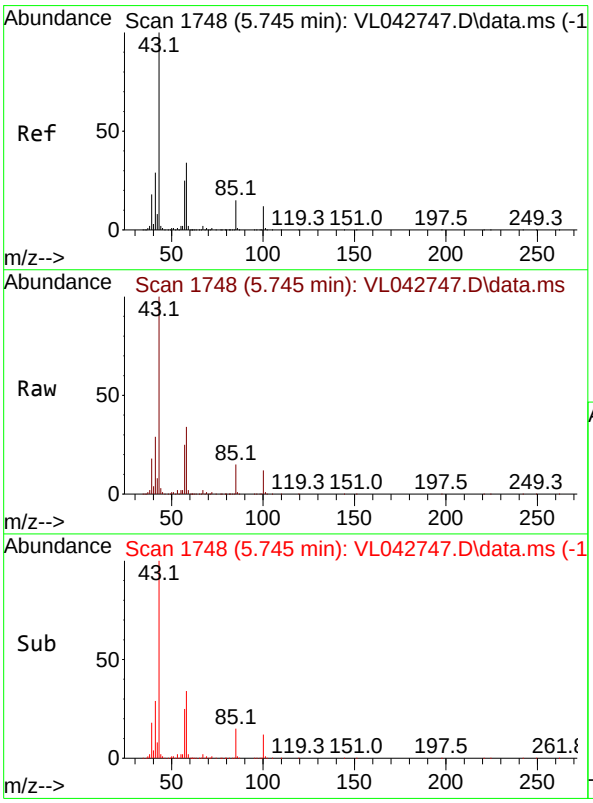
#49
Bromoform
Concen: 10.256 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 244997

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.1	40.9	61.3

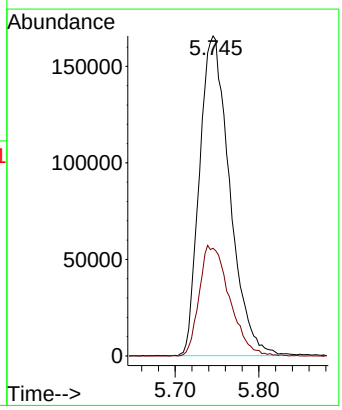


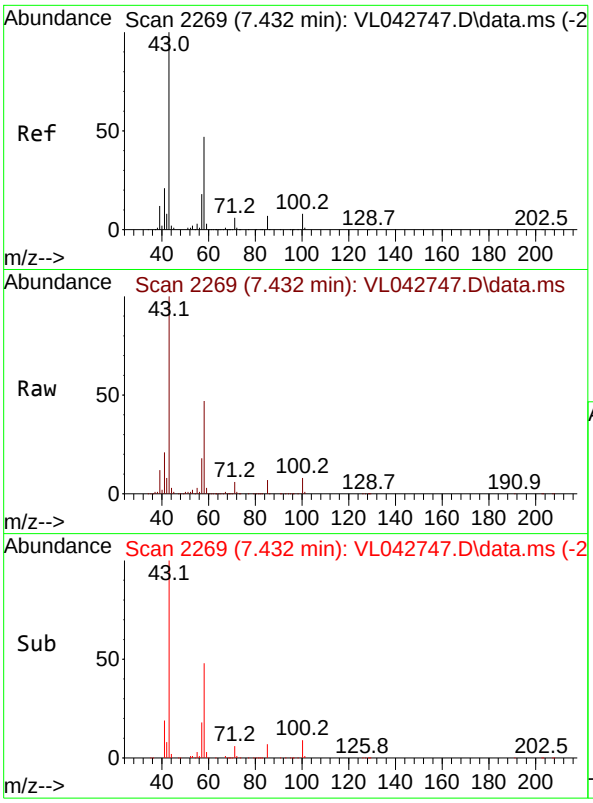


#50
4-Methyl-2-Pentanone
Concen: 9.914 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 413966

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8



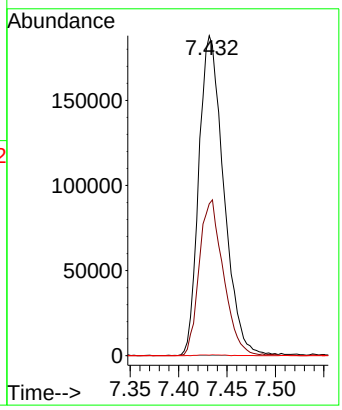


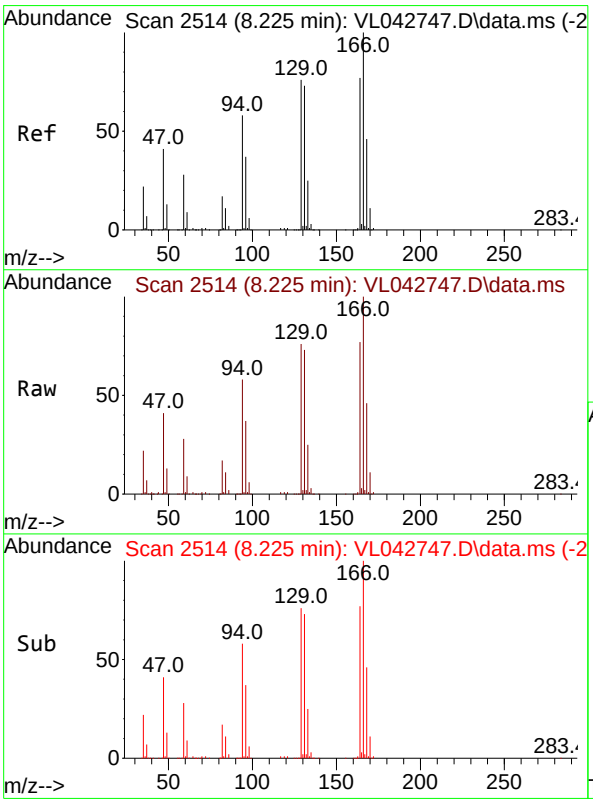
#51
2-Hexanone
Concen: 10.532 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 336048

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	0.3	0.2	0.4

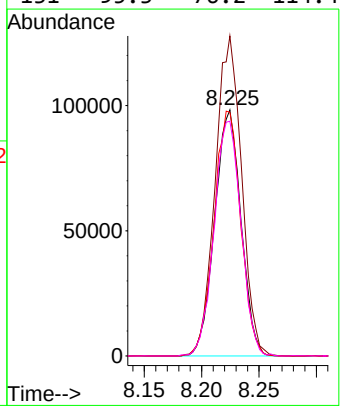


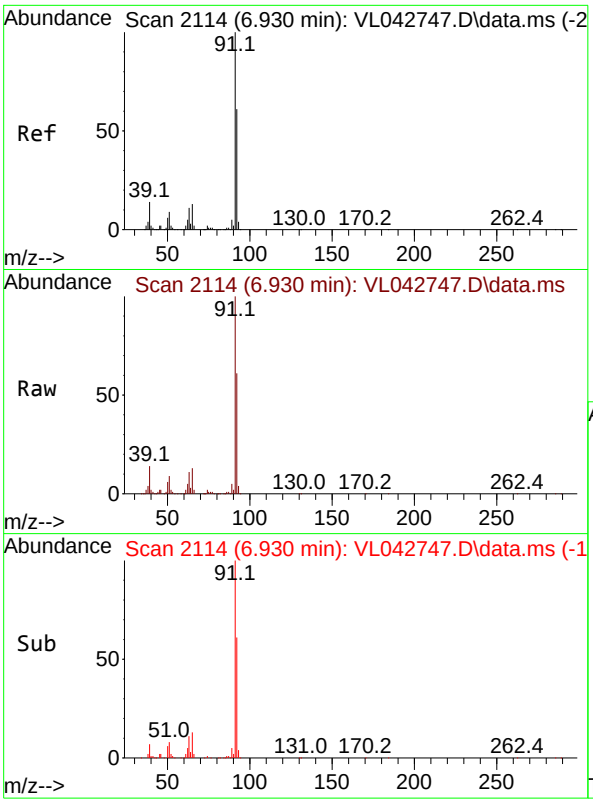


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:164 Resp: 156930

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	99.0	79.2	118.8
131	95.3	76.2	114.4



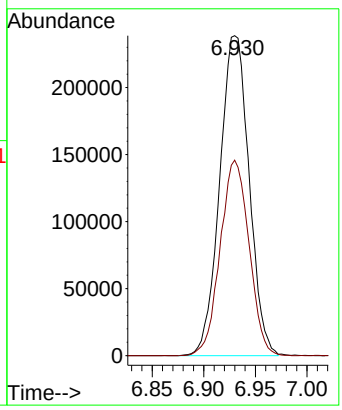


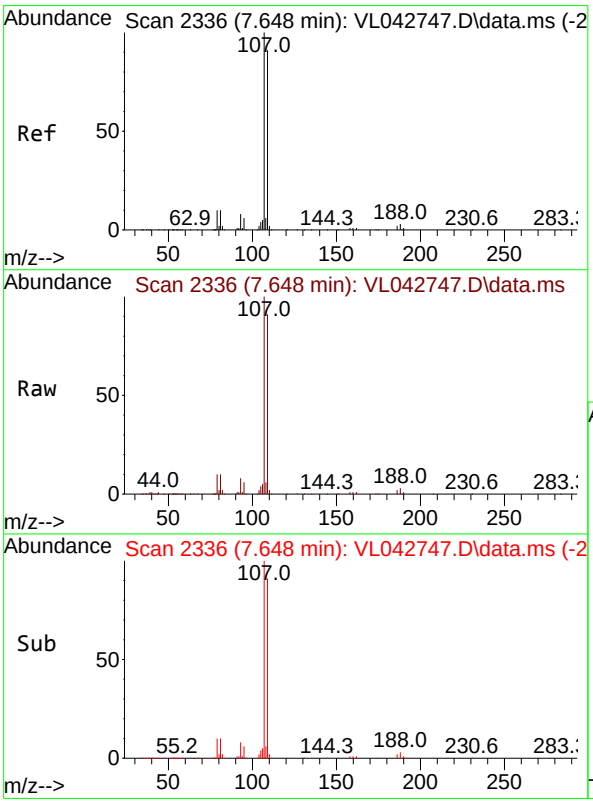
#53
Toluene
Concen: 10.042 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 472953

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0

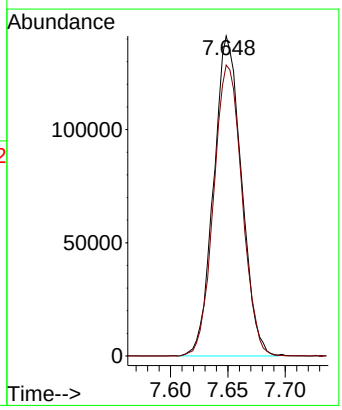


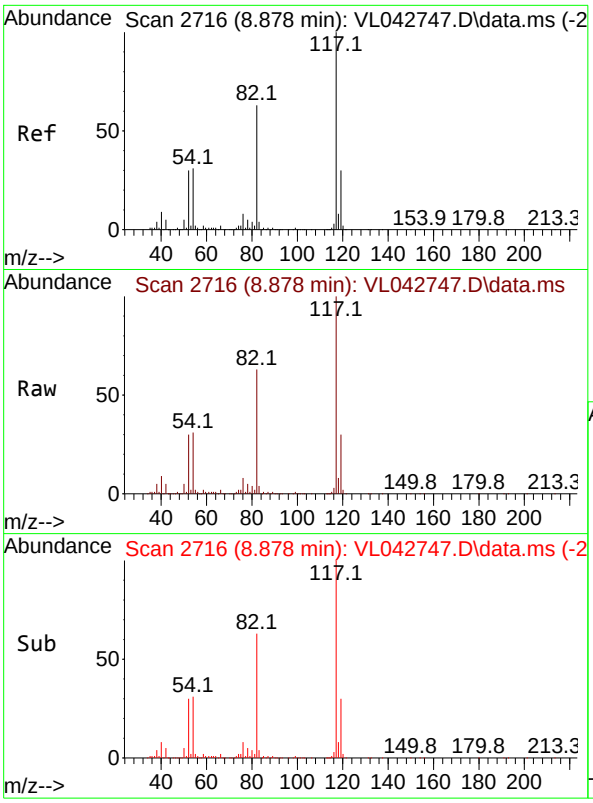


#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:107 Resp: 238045

Ion	Ratio	Lower	Upper
107	100		
109	90.9	72.7	109.1



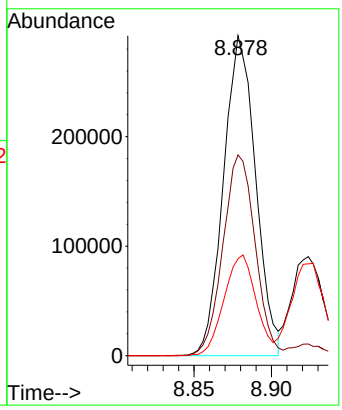


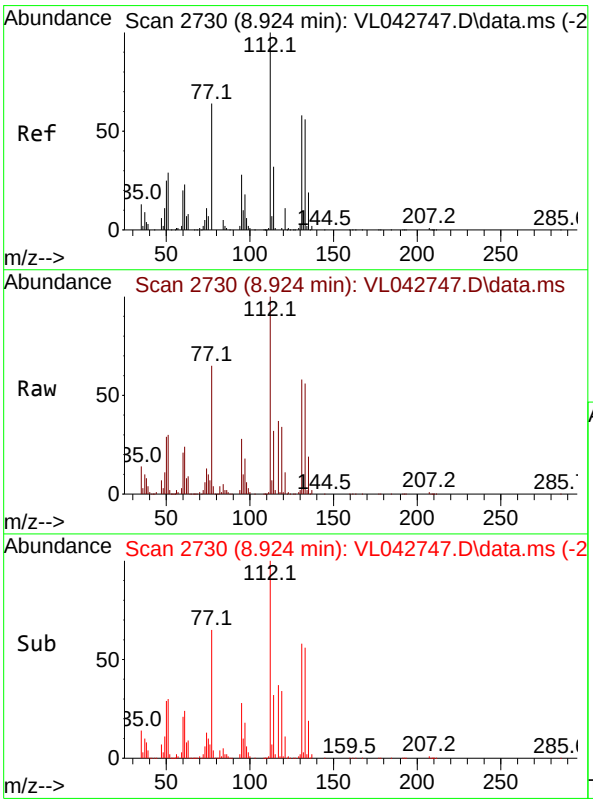
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 422206

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.3	79.9
119	32.2	25.8	38.6

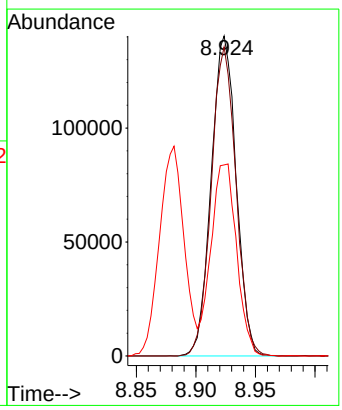


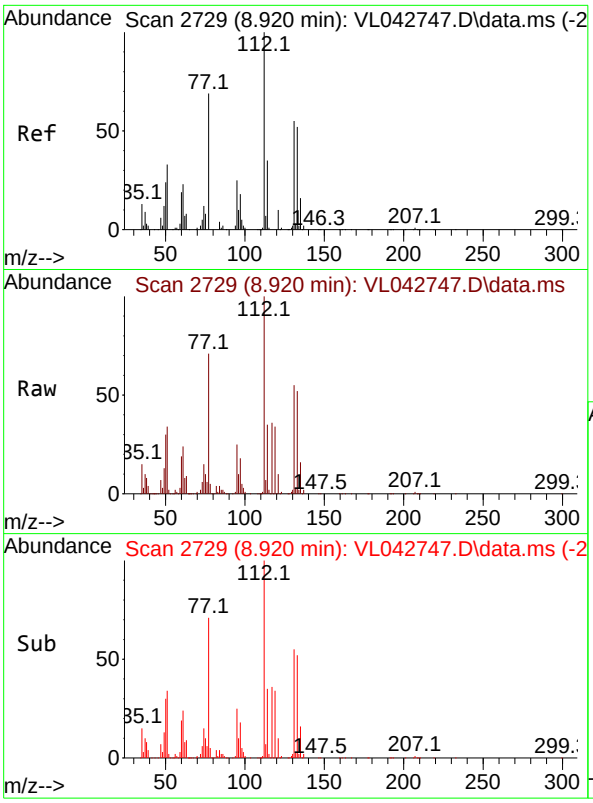


#56
1,1,1,2-Tetrachloroethane
Concen: 9.302 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:131 Resp: 204205

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.8	115.2
119	62.1	49.7	74.5



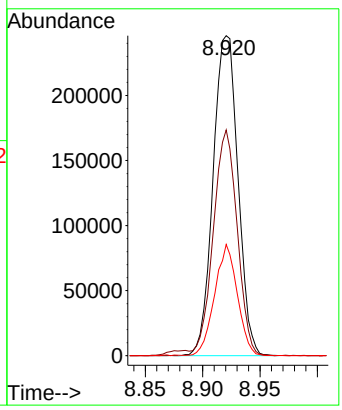


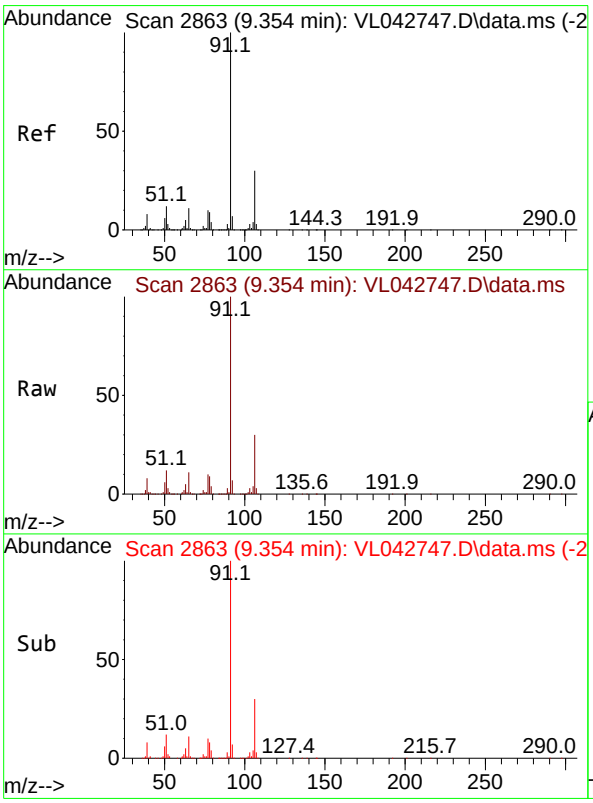
#57
Chlorobenzene
Concen: 9.082 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 371117

Ion	Ratio	Lower	Upper
112	100		
77	70.5	56.4	84.6
114	34.7	31.2	38.2

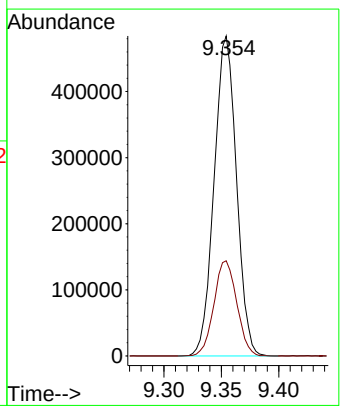


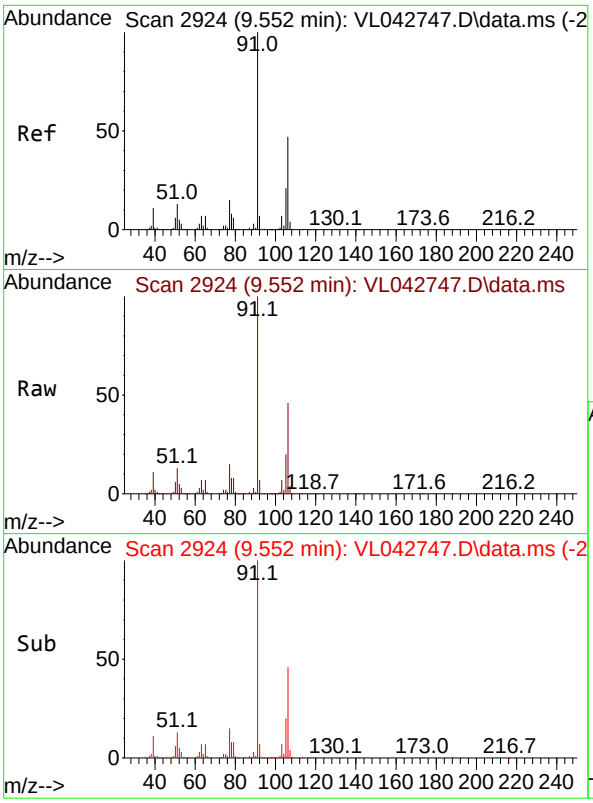


#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 655020

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



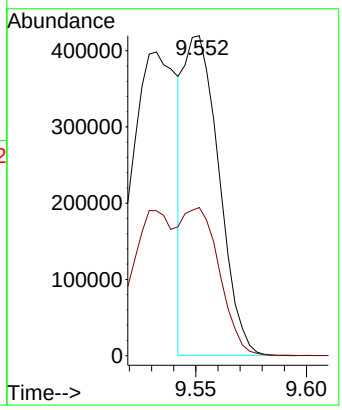


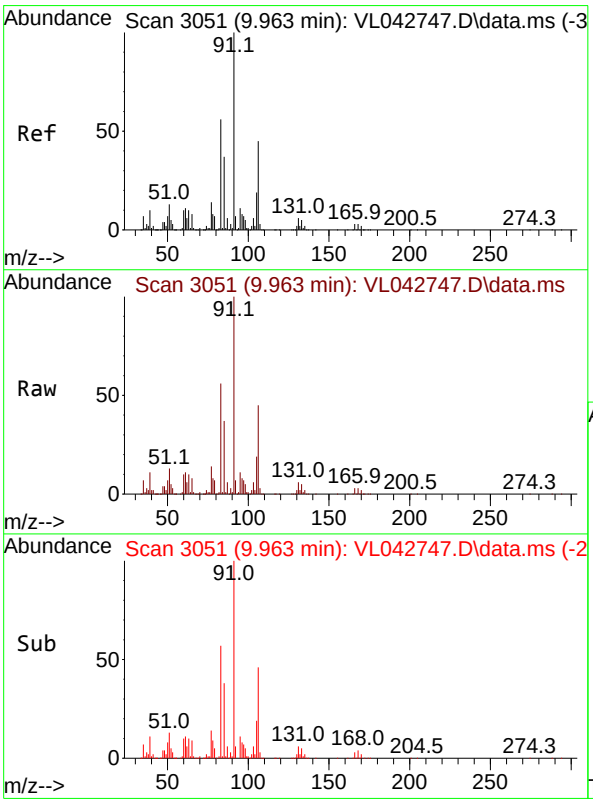
#59
m/p-Xylene
Concen: 8.639 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 460477

Ion	Ratio	Lower	Upper
91	100		
106	105.9	37.4	56.2#

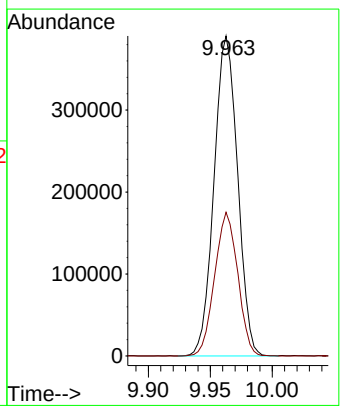


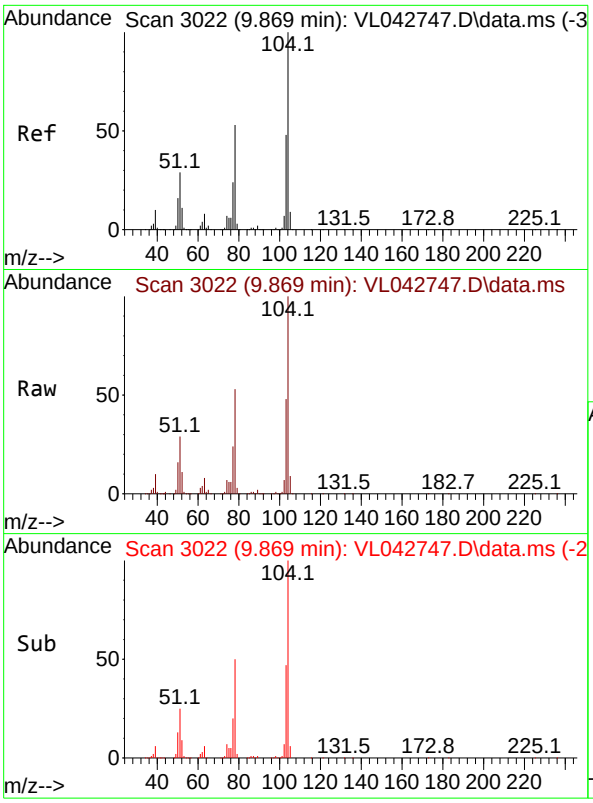


#60
o-Xylene
Concen: 9.715 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 517292

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0



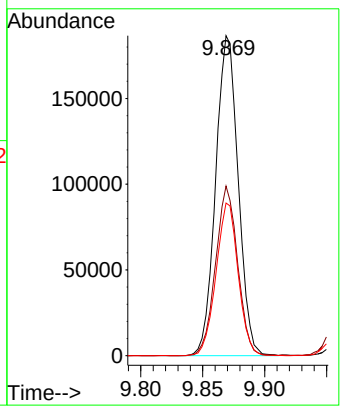


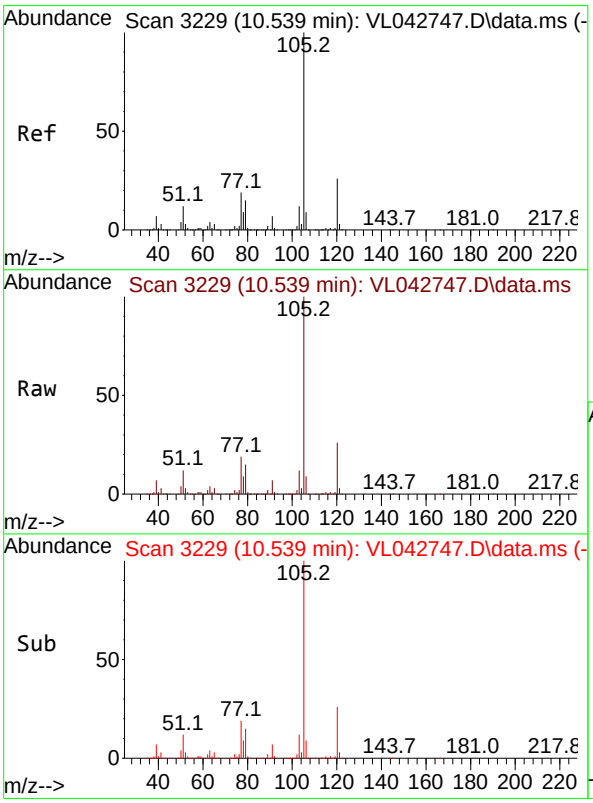
#61
Styrene
Concen: 10.568 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 236709

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.9	37.5	56.3

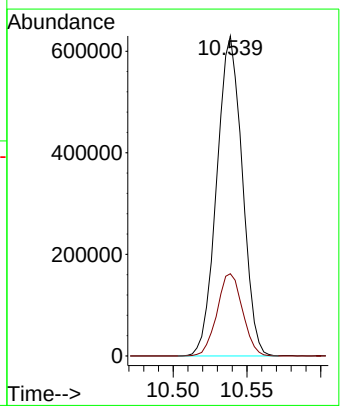


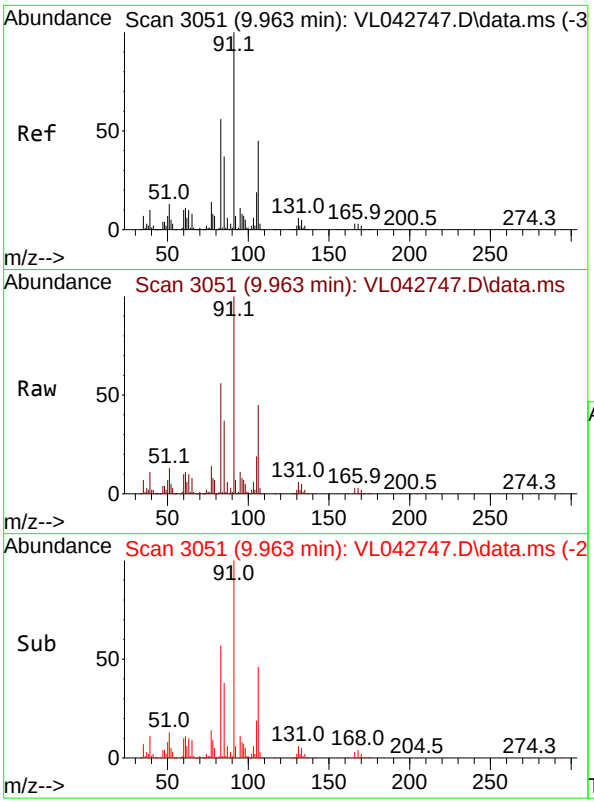


#62
Isopropylbenzene
Concen: 9.641 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 757219

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



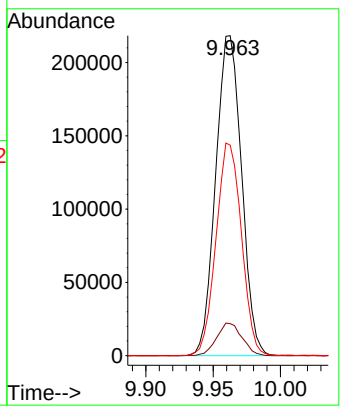


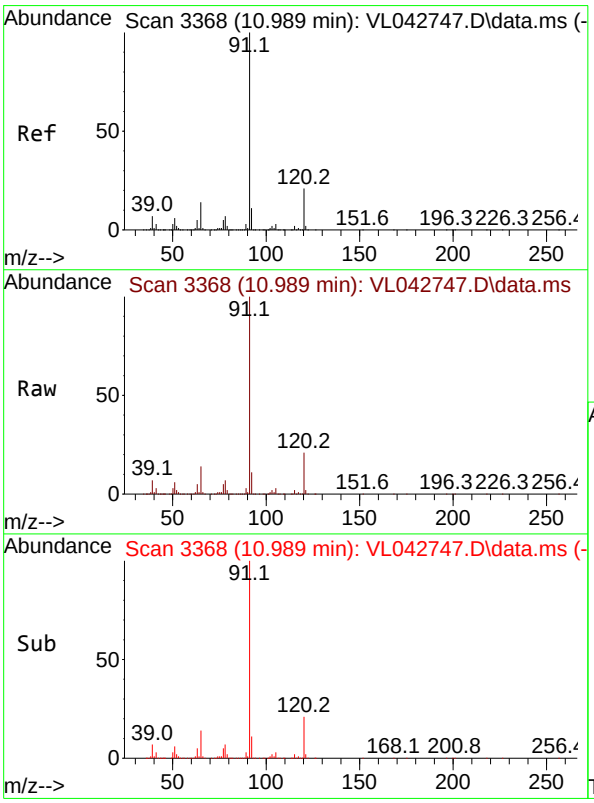
#63
1,1,2,2-Tetrachloroethane
Concen: 8.434 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 292568

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.1	32.6	97.7

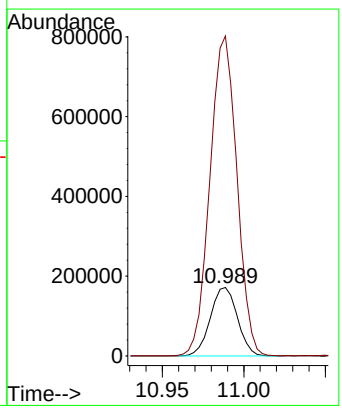


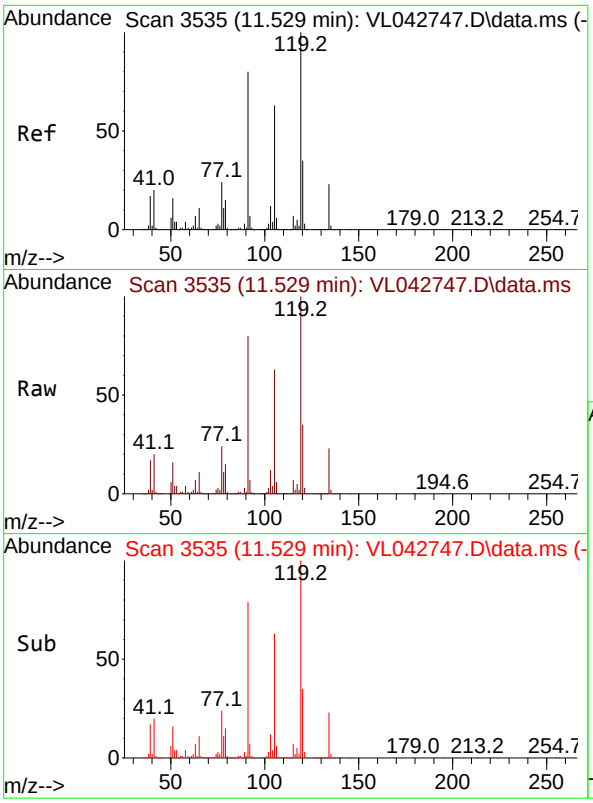


#64
n-propylbenzene
Concen: 9.675 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:120 Resp: 198109

Ion	Ratio	Lower	Upper
120	100		
91	465.9	372.7	559.1



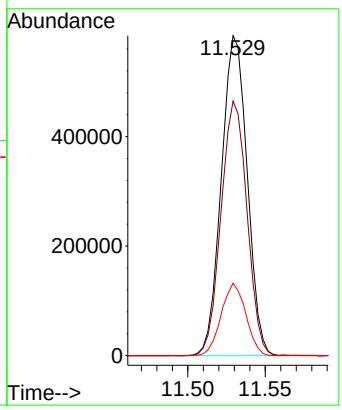


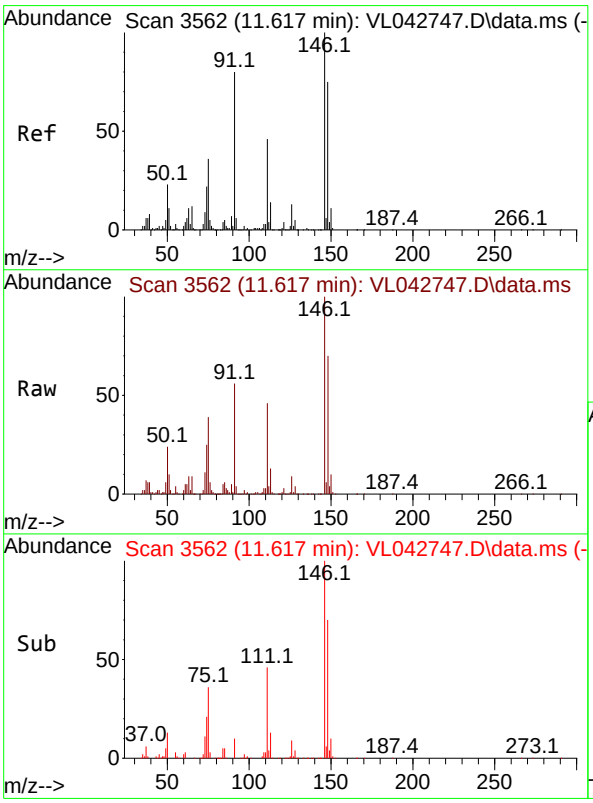
#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 678174

Ion	Ratio	Lower	Upper
119	100		
91	80.0	64.0	96.0
134	21.6	17.3	25.9

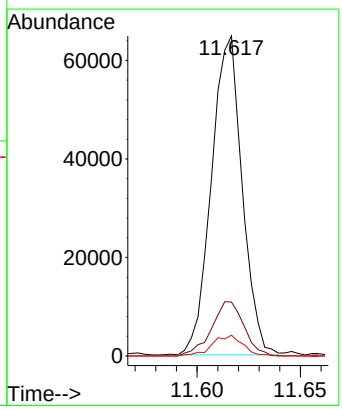


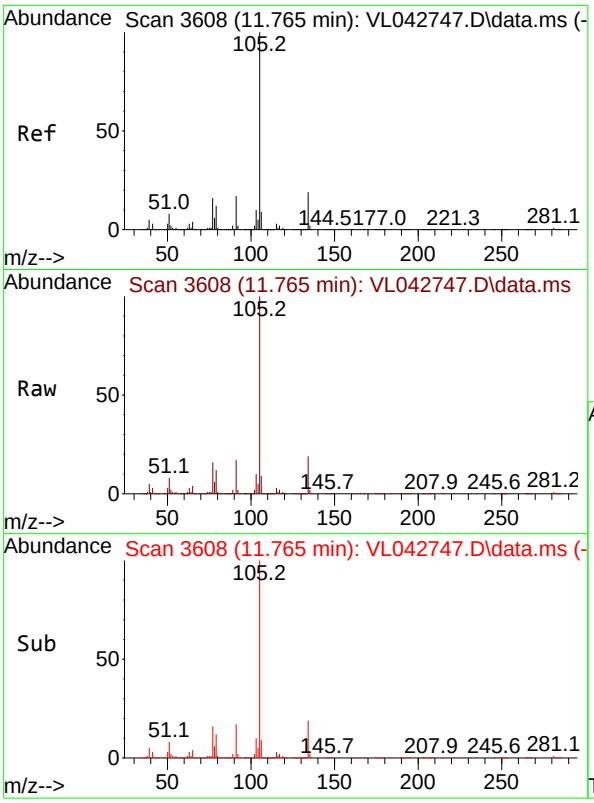


#66
Benzyl Chloride
Concen: 11.691 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 66954

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	6.5	5.2	7.8



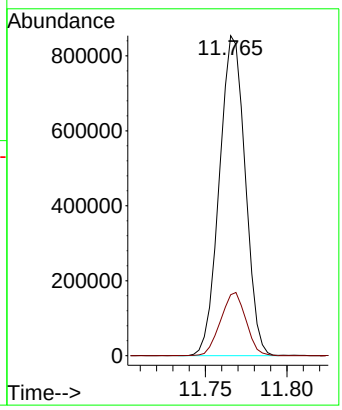


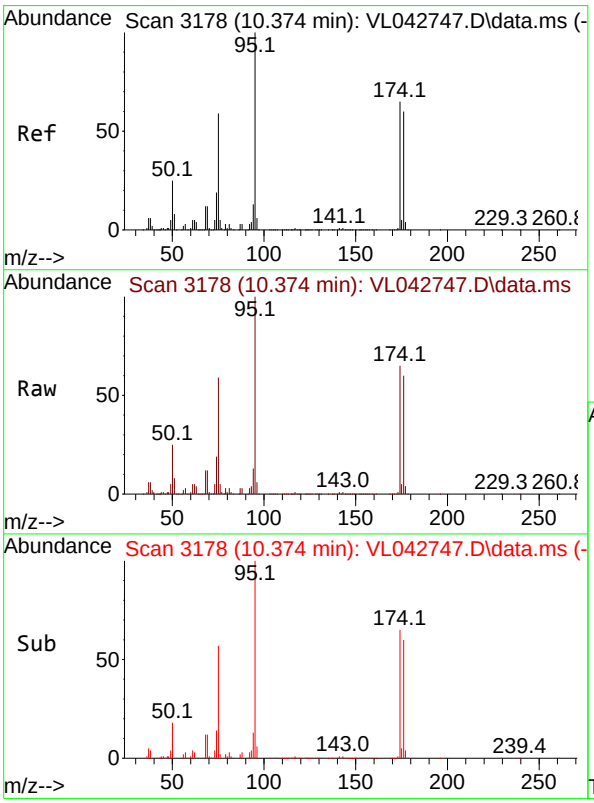
#67
sec-Butylbenzene
Concen: 9.468 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 939396

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

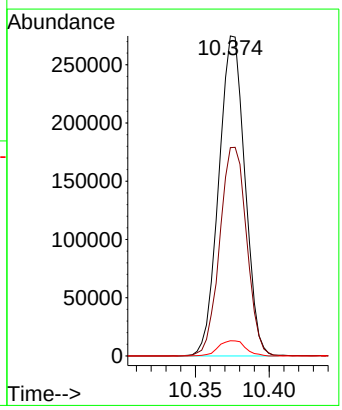


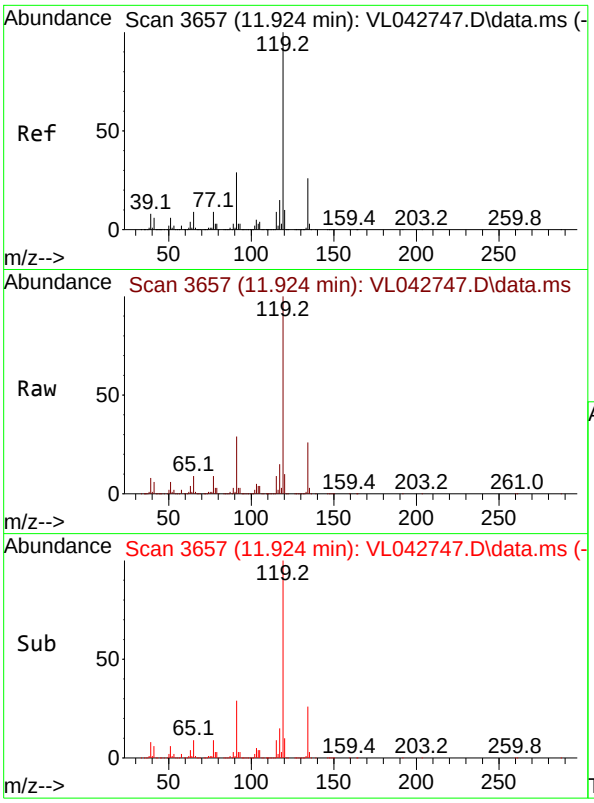


#68
1-Bromo-4-Fluorobenzene
Concen: 10.117 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 95 Resp: 338271

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.8	80.6
175	5.0	4.0	6.0



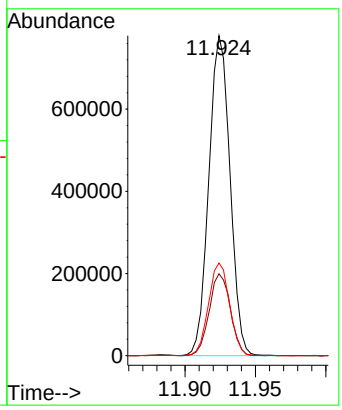


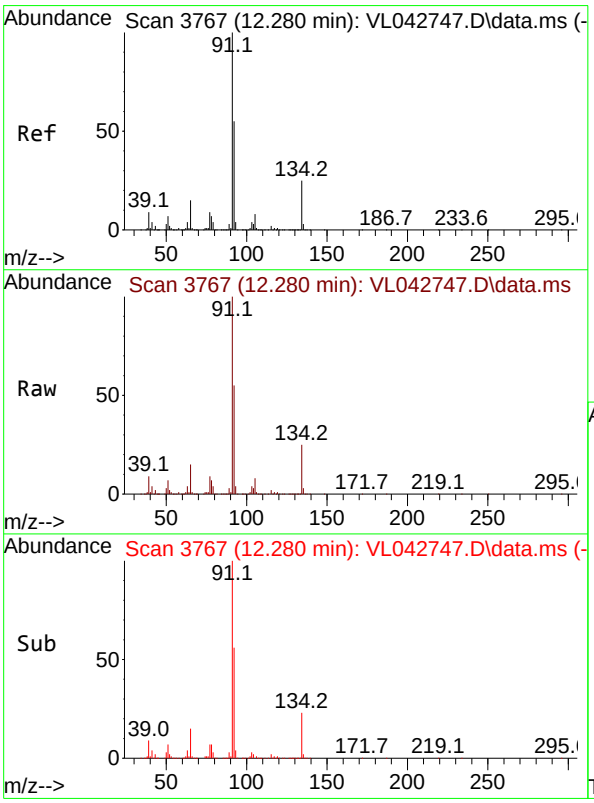
#69
p-Isopropyltoluene
Concen: 10.061 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 814010

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.0	23.2	34.8

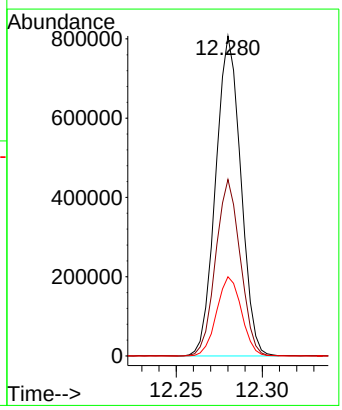


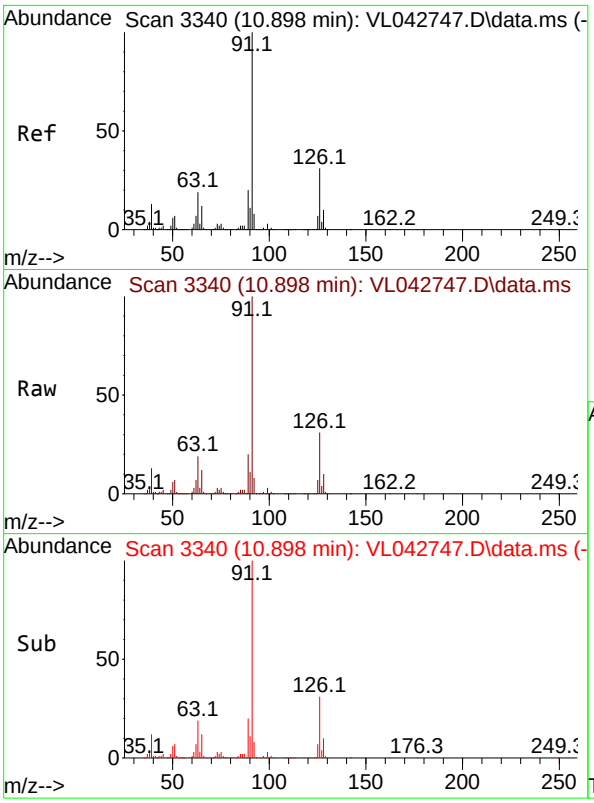


#70
n-Butylbenzene
Concen: 10.473 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 818457

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	24.5	19.6	29.4



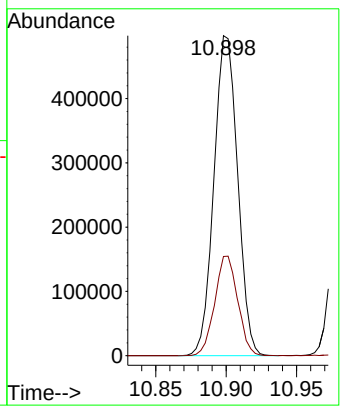


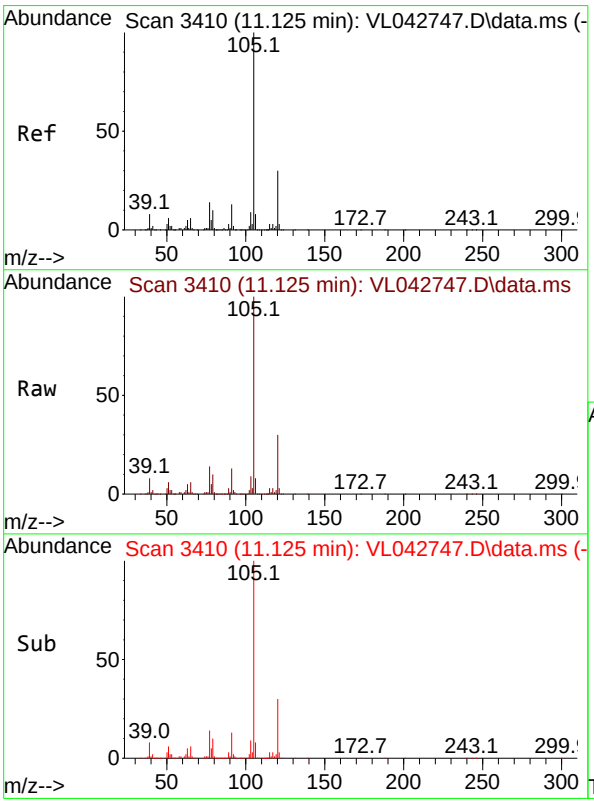
#71
2-Chlorotoluene
Concen: 9.708 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 584629

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2

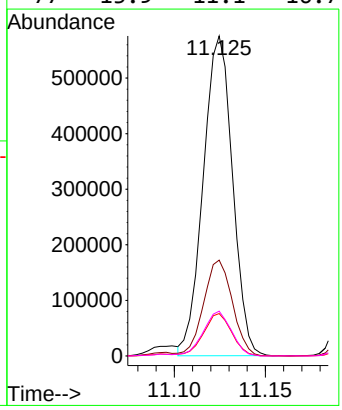


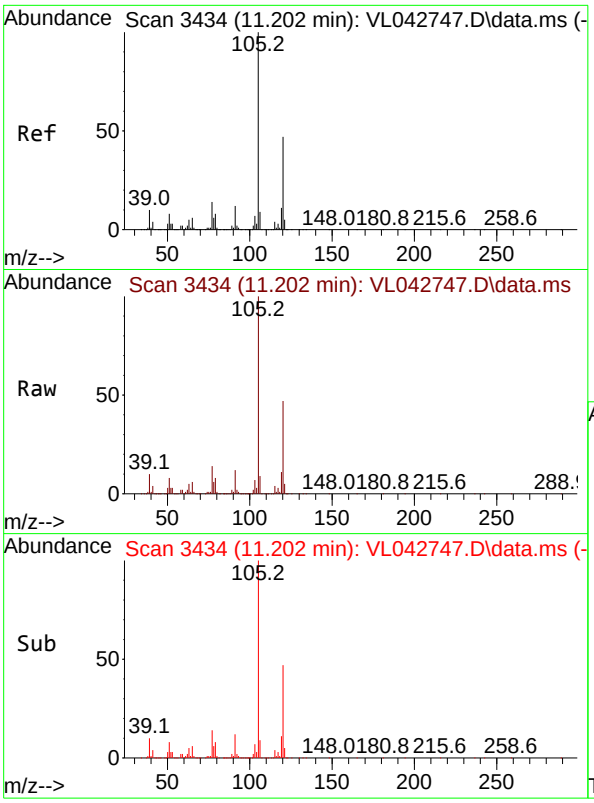


#72
4-Ethyltoluene
Concen: 10.120 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 643519

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.4	36.6
91	13.2	10.6	15.8
77	13.9	11.1	16.7



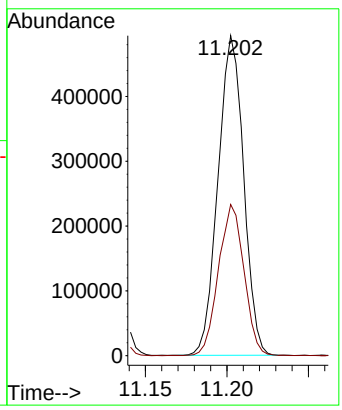


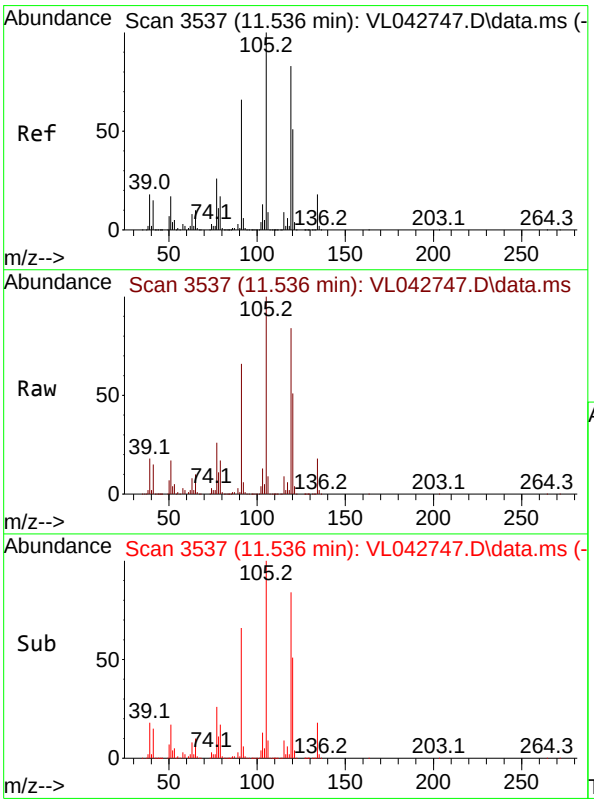
#73
1,3,5-Trimethylbenzene
Concen: 10.285 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 538451

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.8

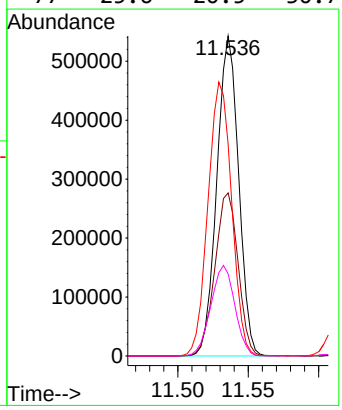


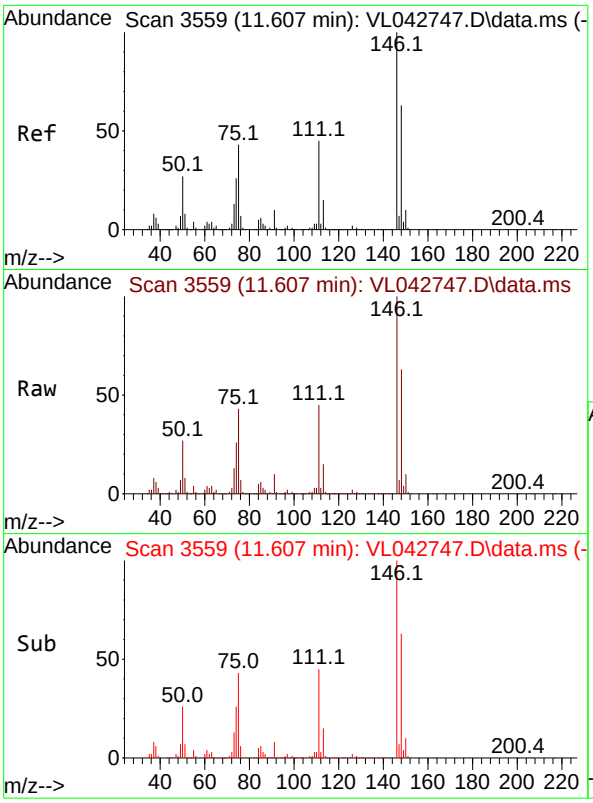


#74
1,2,4-Trimethylbenzene
Concen: 10.232 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 584447

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	66.2	53.0	79.4
77	25.6	20.5	30.7



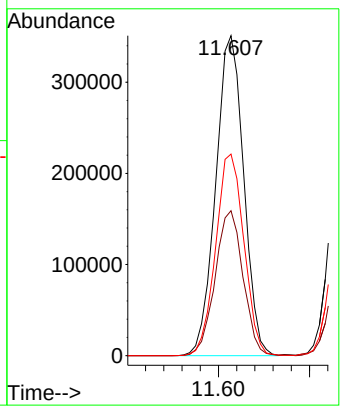


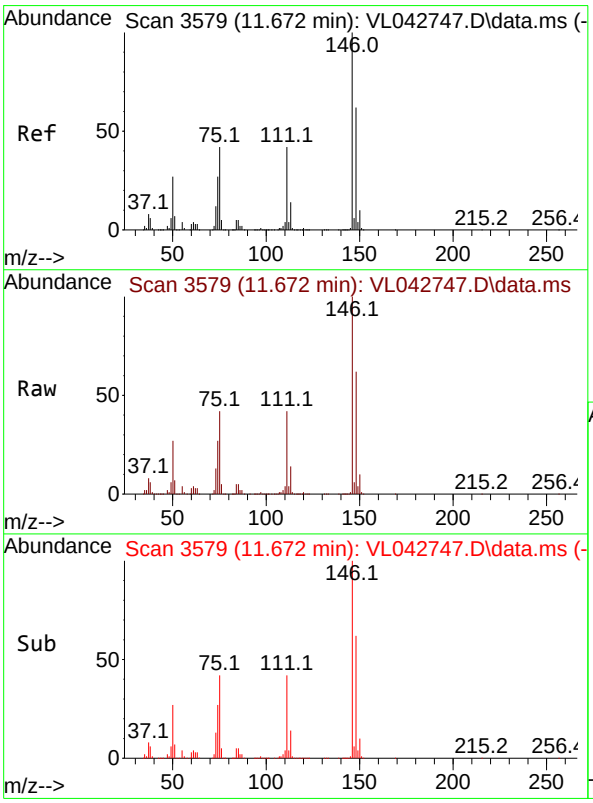
#75
1,3-Dichlorobenzene
Concen: 9.355 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 374587

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.7	31.9	95.5

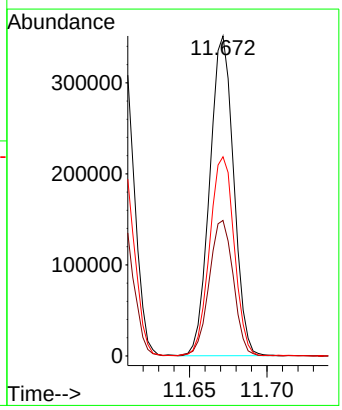


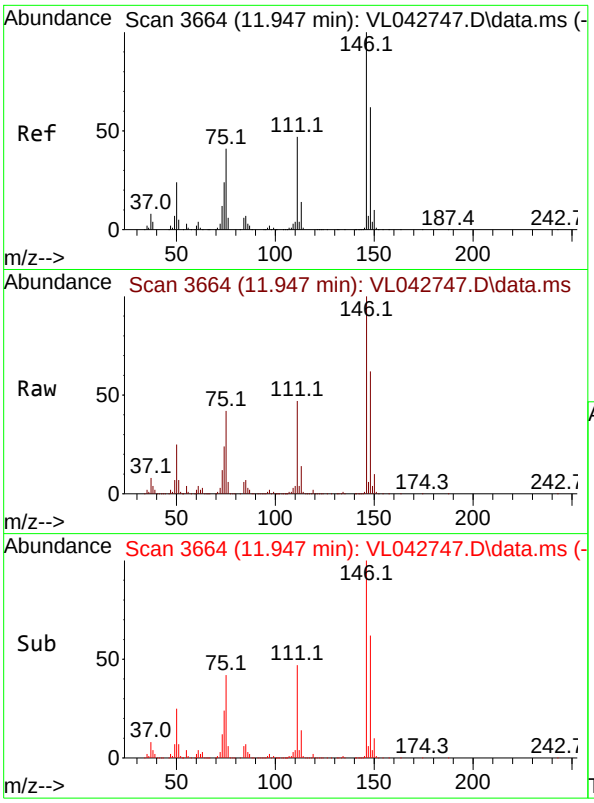


#76
1,4-Dichlorobenzene
Concen: 9.649 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 378093

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	64.2	32.1	96.3



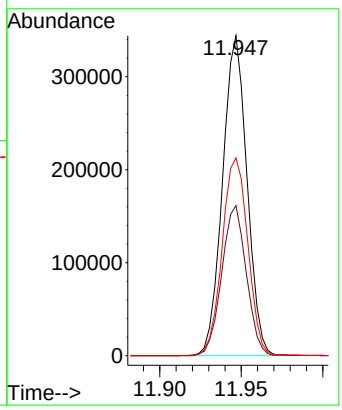


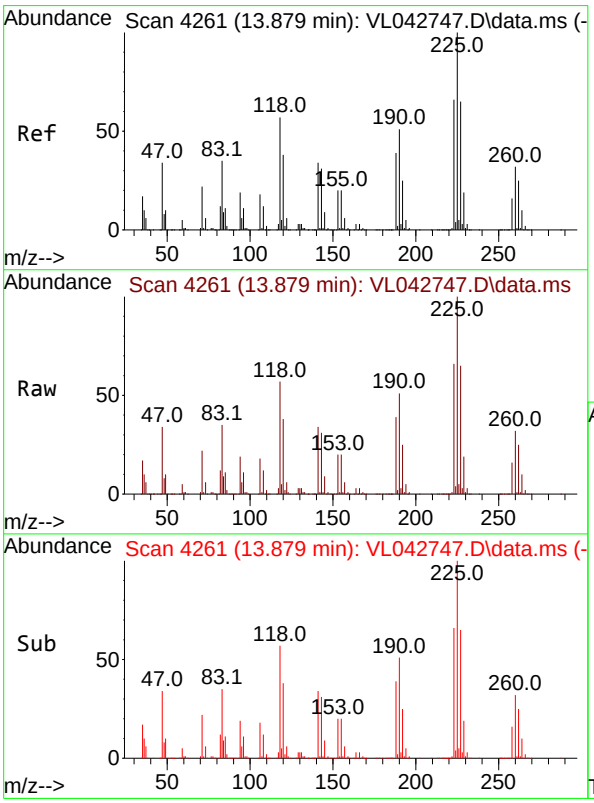
#77
1,2-Dichlorobenzene
Concen: 9.102 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 358206

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	65.1	32.6	97.7

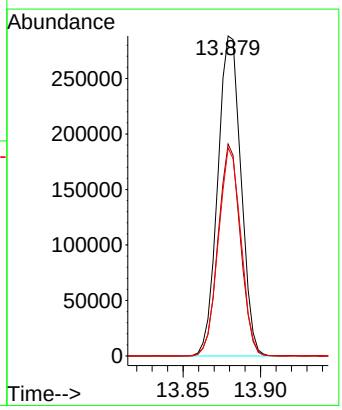


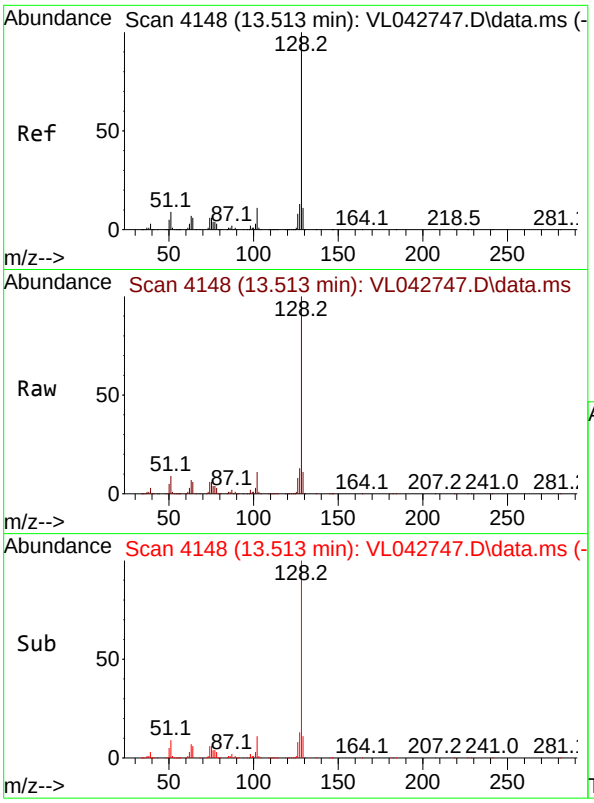


#78
Hexachloro-1,3-Butadiene
Concen: 8.444 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:225 Resp: 300801

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.1	50.5	75.7



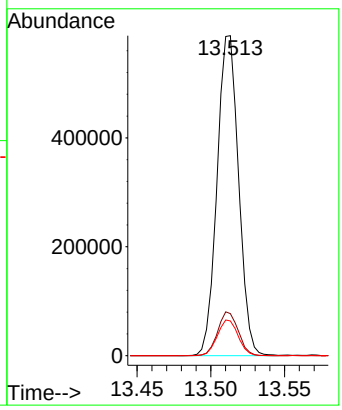


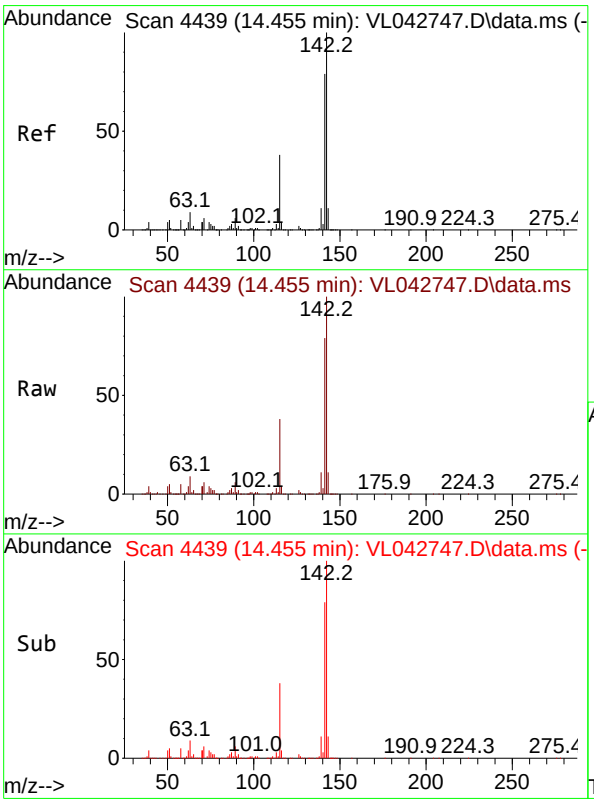
#79
Naphthalene
Concen: 9.665 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 598108

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

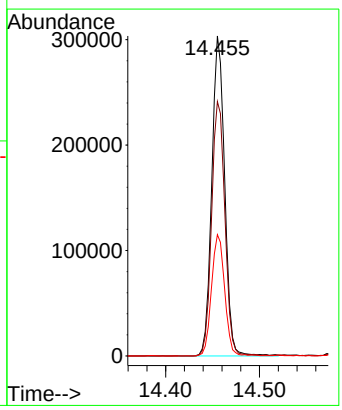


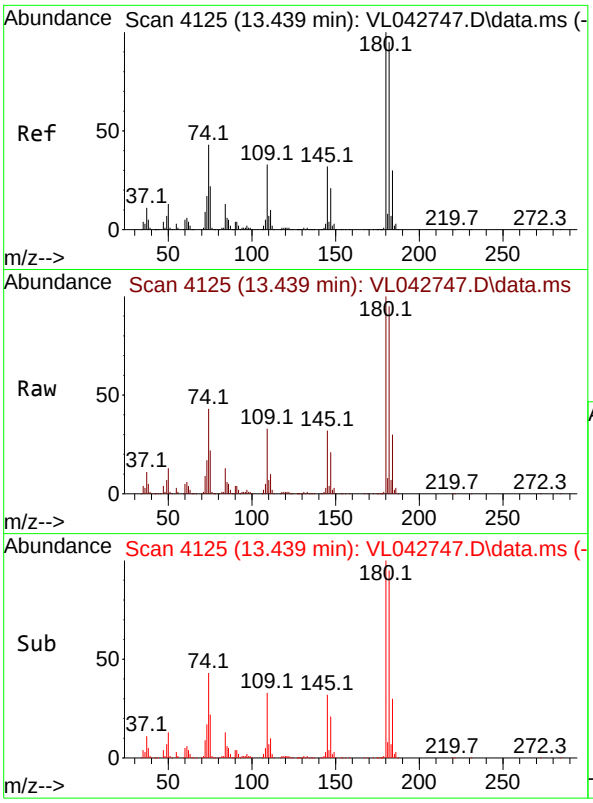


#80
Naphthalene,2-methyl-
Concen: 9.404 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:142 Resp: 289412

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	38.9	31.2	46.8



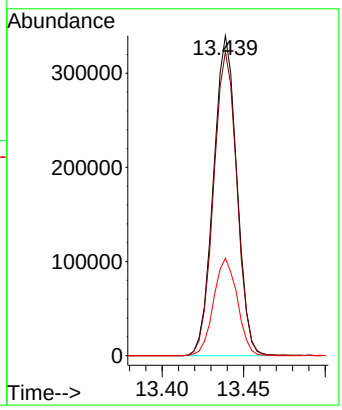


#81
1,2,4-Trichlorobenzene
Concen: 9.710 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 337776

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	31.0	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.780	49	158575	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	330476	10.160	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv		98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv		99
4) Chloromethane	1.531	50	16834	1.985	ppbv		100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv		92
6) Bromomethane	1.664	94	5754	1.776	ppbv		83
7) Chloroethane	1.703	64	6001	1.853	ppbv		93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv		100
9) Propene	1.483	41	21592	2.175	ppbv		97
10) Heptane	4.965	43	28682	1.074	ppbv	#	32
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv		99
13) Ethanol	1.719	45	2321	2.155	ppbv		78
14) Bromoethene	1.780	108	12078	2.077	ppbv	#	96
15) Acetone	1.832	43	48226	2.202	ppbv		100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv		96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv		93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv	#	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv		97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv		97
22) trans-1,2-Dichloroethene	2.030	96	14381	1.804	ppbv		91
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv	#	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv		99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv		99
26) Hexane	2.822	57	45446	2.137	ppbv		99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv	#	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv		96
29) Chloroform	2.842	83	67755	2.062	ppbv		97
30) Cyclohexane	3.845	84	19383	1.075	ppbv	#	1
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv		98
34) 2-Butanone	2.551	43	69674	2.149	ppbv		99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv		97
36) Benzene	3.648	78	91141	2.101	ppbv		94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv		98
38) Trichloroethene	4.538	130	40713	1.946	ppbv		90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv		94
40) 1,4-Dioxane	4.583	88	14747	1.953	ppbv	#	69
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv		94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv		94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv		95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	16554	0.957	ppbv		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

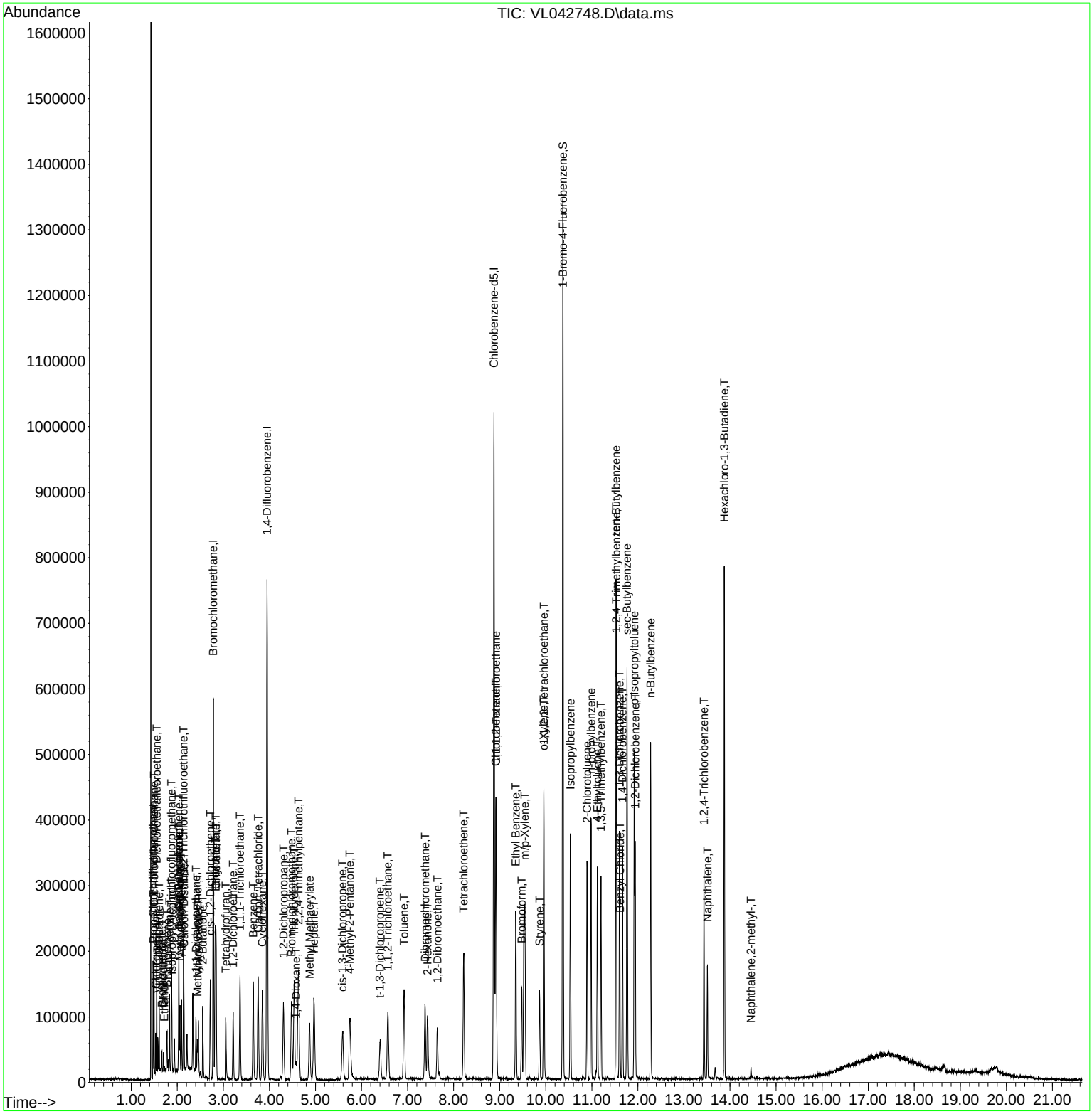
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	23760	1.084	ppbv		95
47) 1,1,2-Trichloroethane	6.567	97	16867	0.988	ppbv		94
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv		96
49) Bromoform	9.477	173	47340	2.003	ppbv		96
50) 4-Methyl-2-Pentanone	5.742	43	39913	0.966	ppbv	#	28
51) 2-Hexanone	7.431	43	68093	2.157	ppbv	#	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv		94
53) Toluene	6.923	91	98346	2.111	ppbv		100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv		92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv	#	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv		97
59) m/p-Xylene	9.545	91	91147	1.758	ppbv	#	30
60) o-Xylene	9.956	91	113462	2.190	ppbv		99
61) Styrene	9.865	104	45351	2.081	ppbv		100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv		100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv		98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv		98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv		98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv		99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv		99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv		99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv		98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv		98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv		95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv		99
79) Naphthalene	13.510	128	79191	1.690	ppbv		98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv		90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv		99

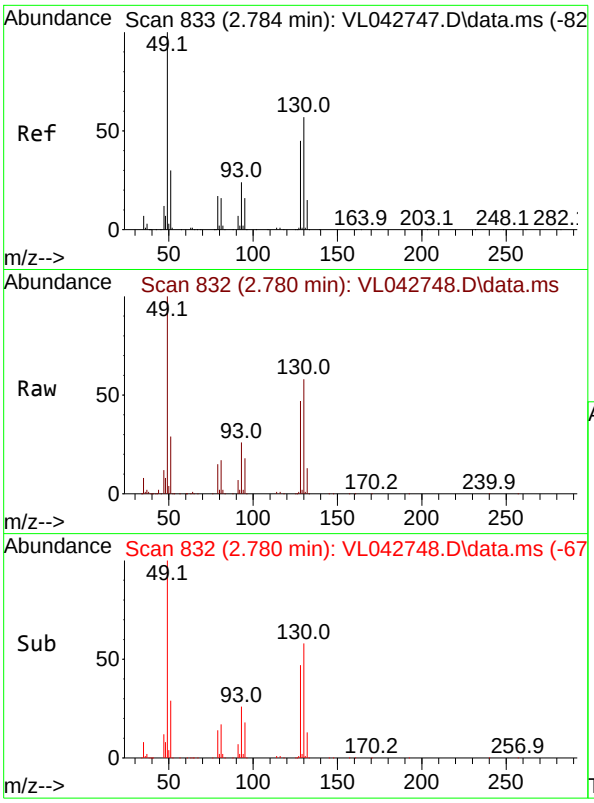
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



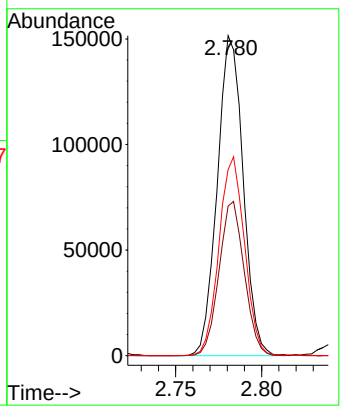


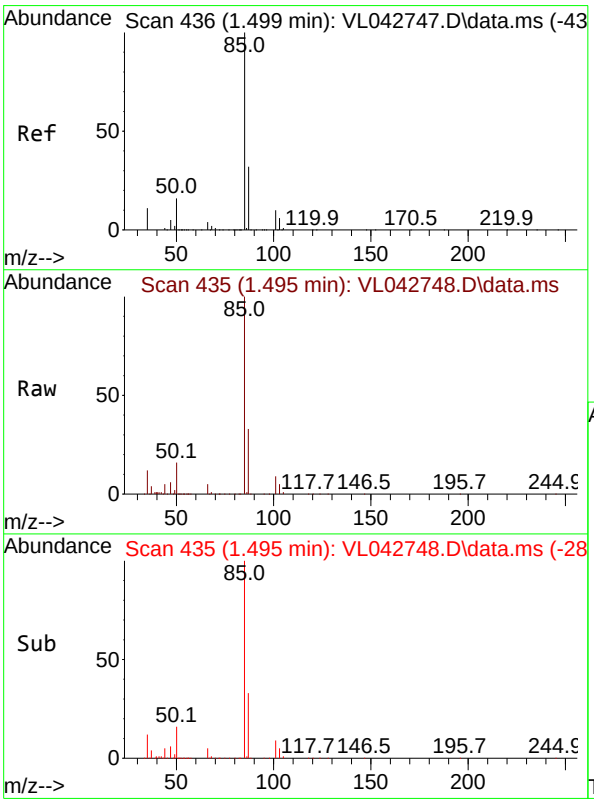
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 158575

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.6	71.0
130	61.6	30.3	90.8

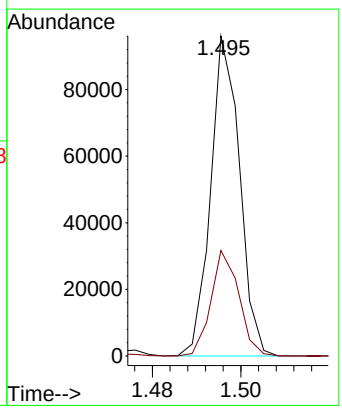


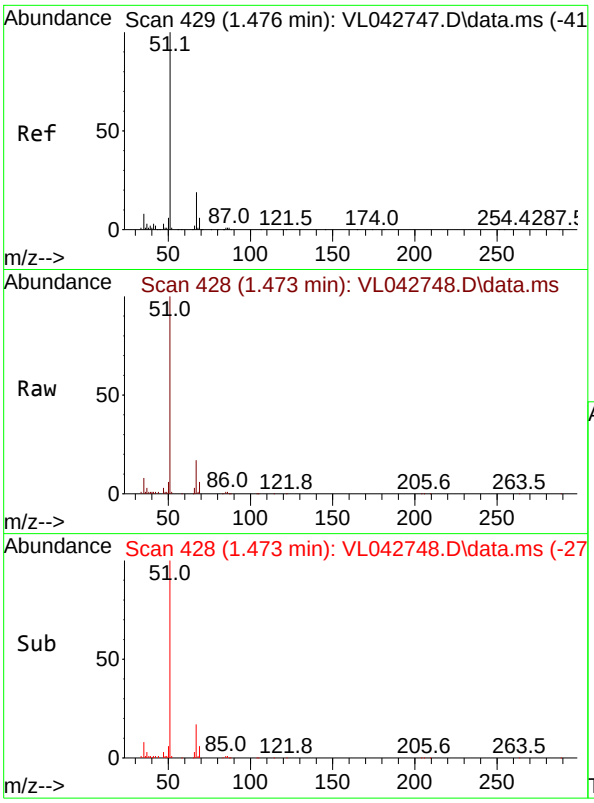


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2



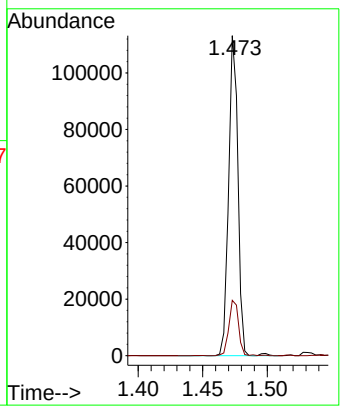


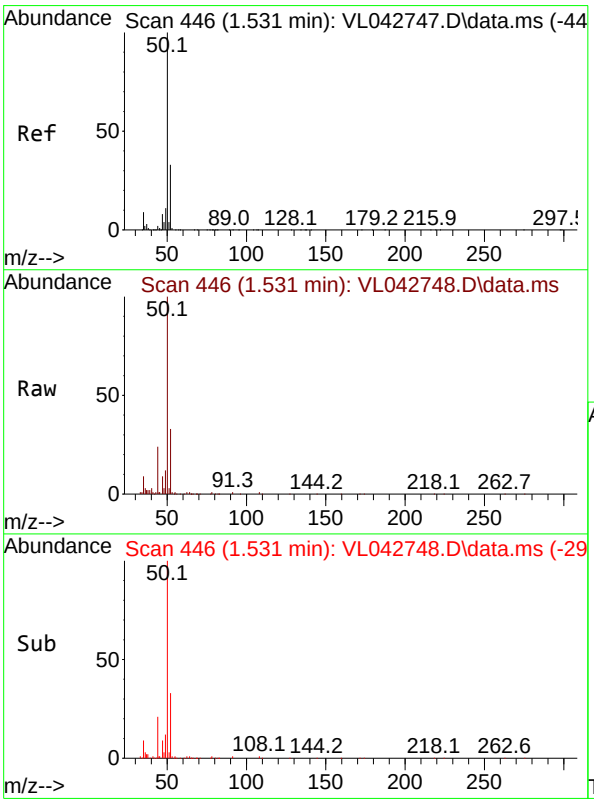
#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 56214

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.6

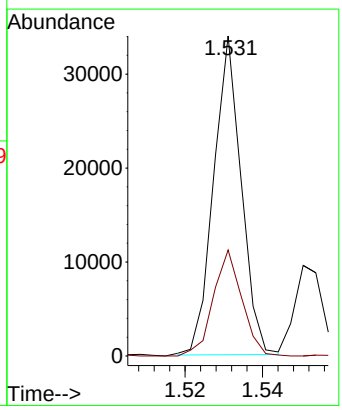


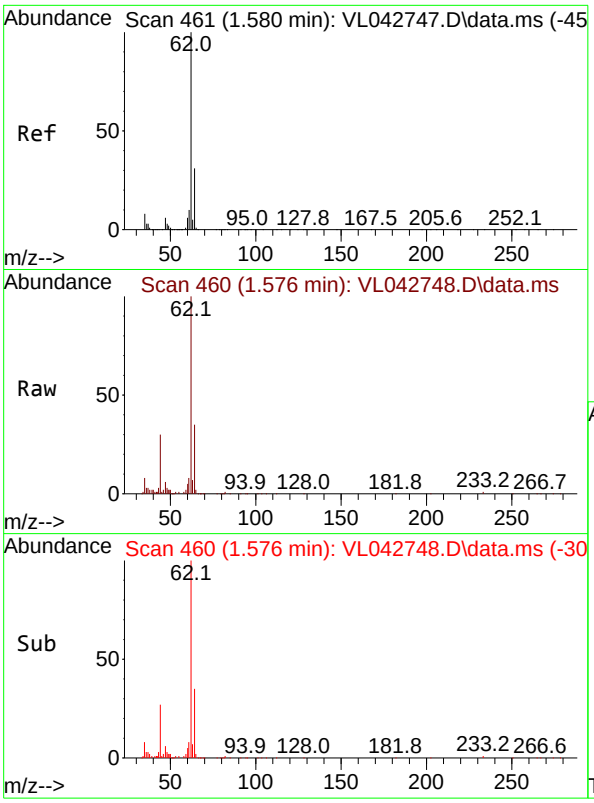


#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	40.0



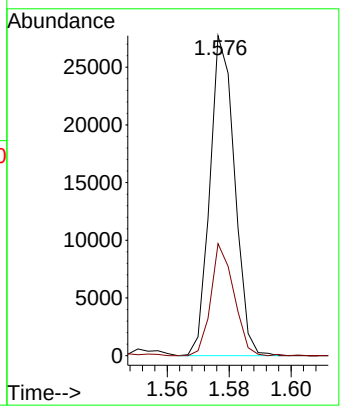


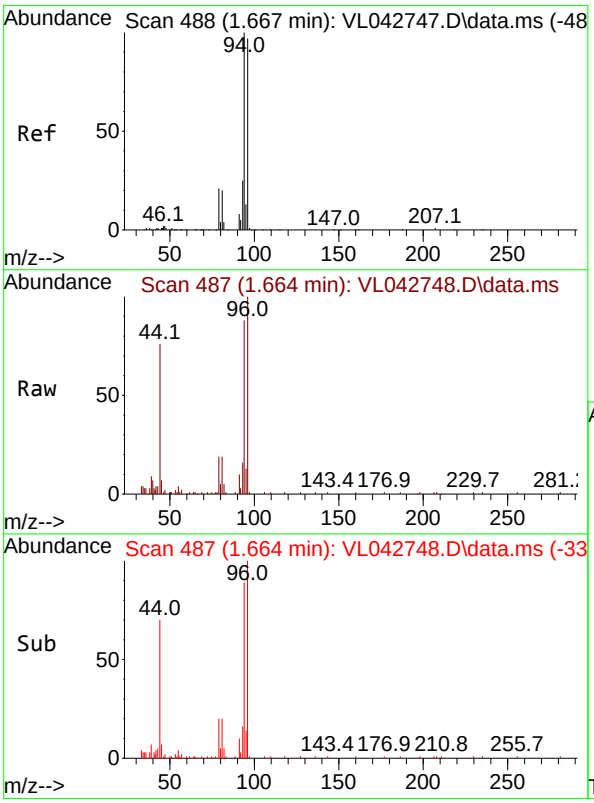
#5
Vinyl Chloride
Concen: 1.836 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.5	36.7

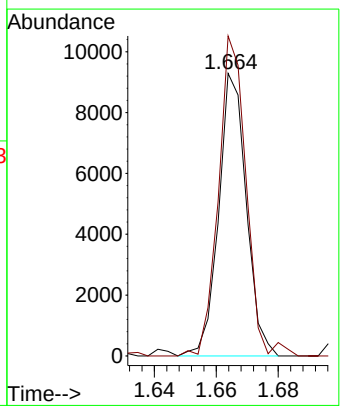


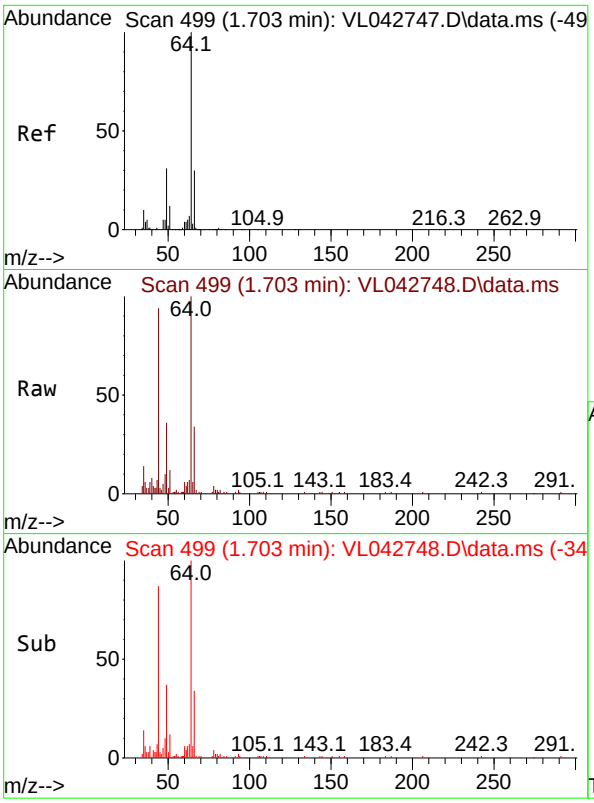


#6
Bromomethane
Concen: 1.776 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 94 Resp: 5754

Ion	Ratio	Lower	Upper
94	100		
96	113.3	77.6	116.4



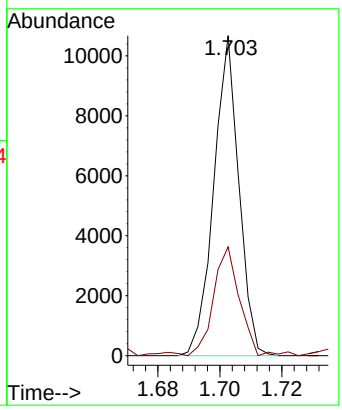


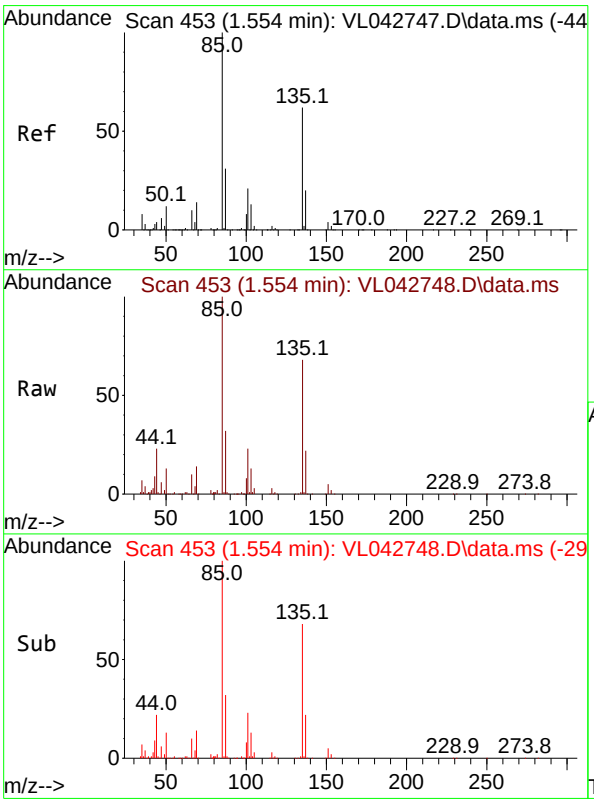
#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 6001

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.1	36.1

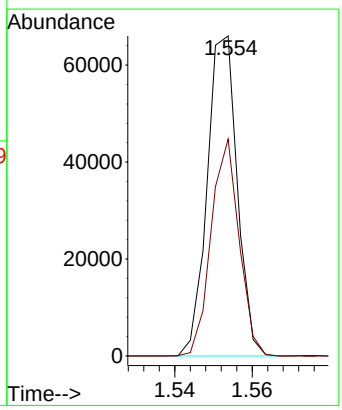


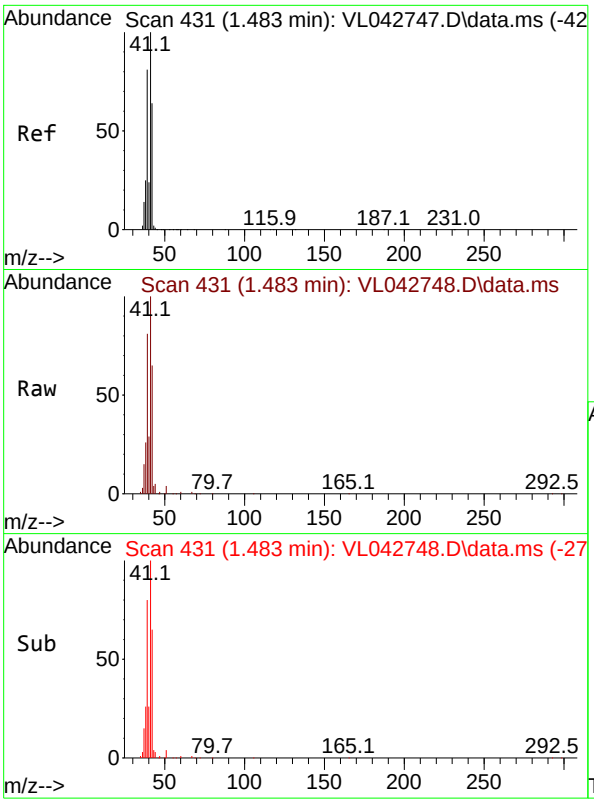


#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 35629

Ion	Ratio	Lower	Upper
85	100		
135	63.0	50.6	76.0



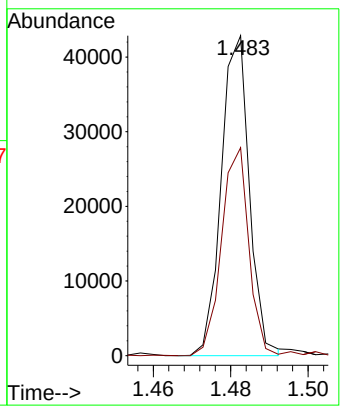


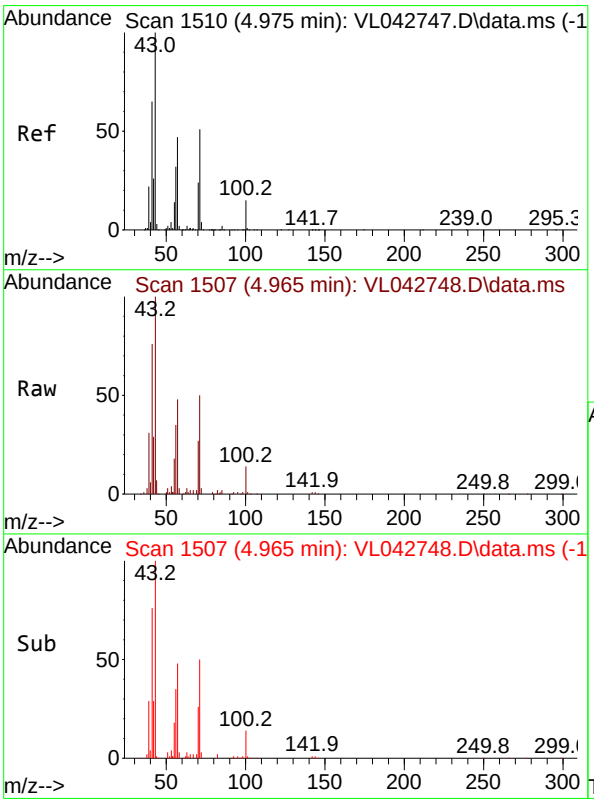
#9
Propene
Concen: 2.175 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 21592

Ion	Ratio	Lower	Upper
41	100		
42	64.5	53.2	79.8

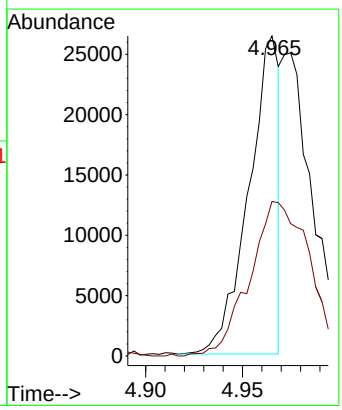


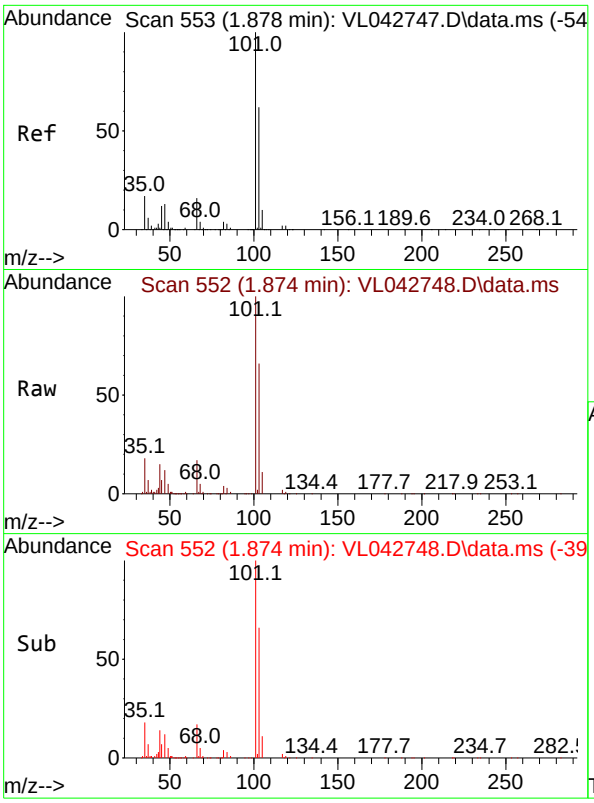


#10
Heptane
Concen: 1.074 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 28682

Ion	Ratio	Lower	Upper
43	100		
57	97.0	39.9	59.9#



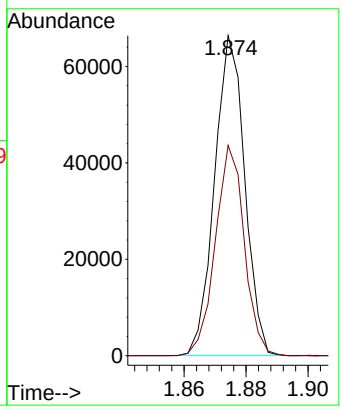


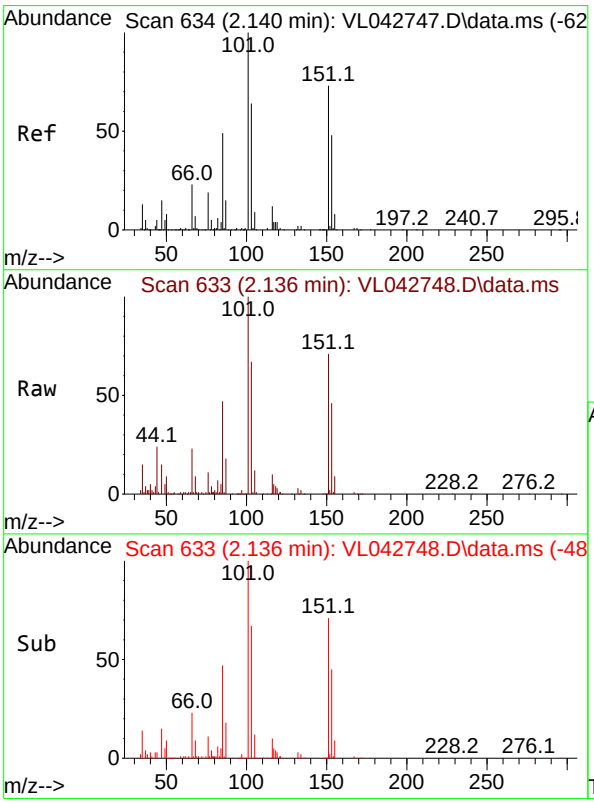
#11
Trichlorofluoromethane
Concen: 2.072 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 44770

Ion	Ratio	Lower	Upper
101	100		
103	65.8	49.6	74.4

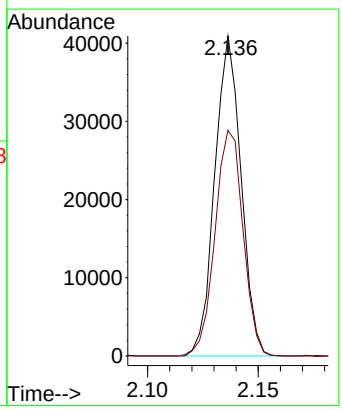


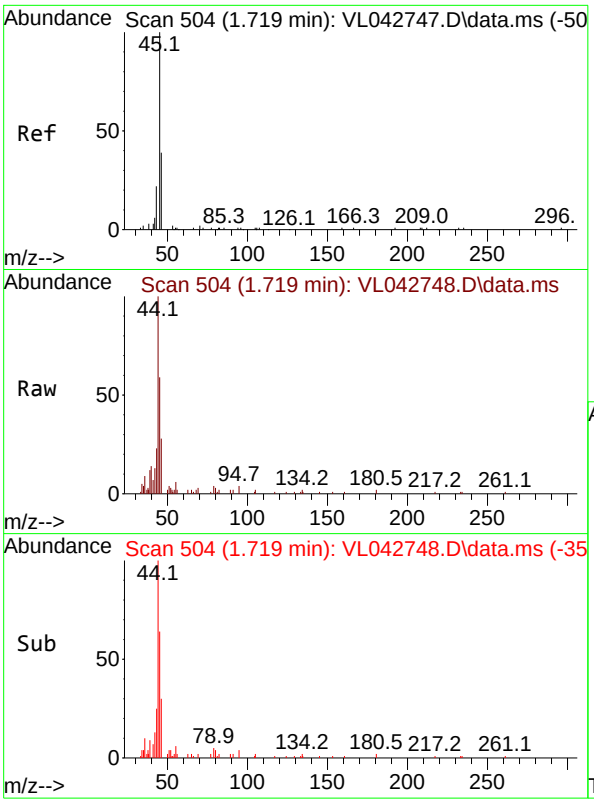


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.065 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 33910

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7



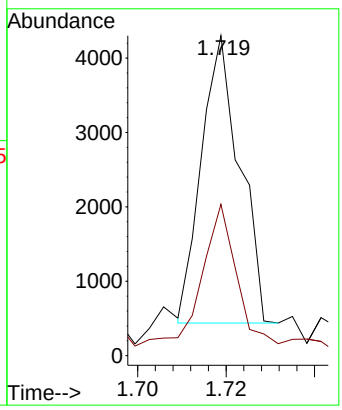


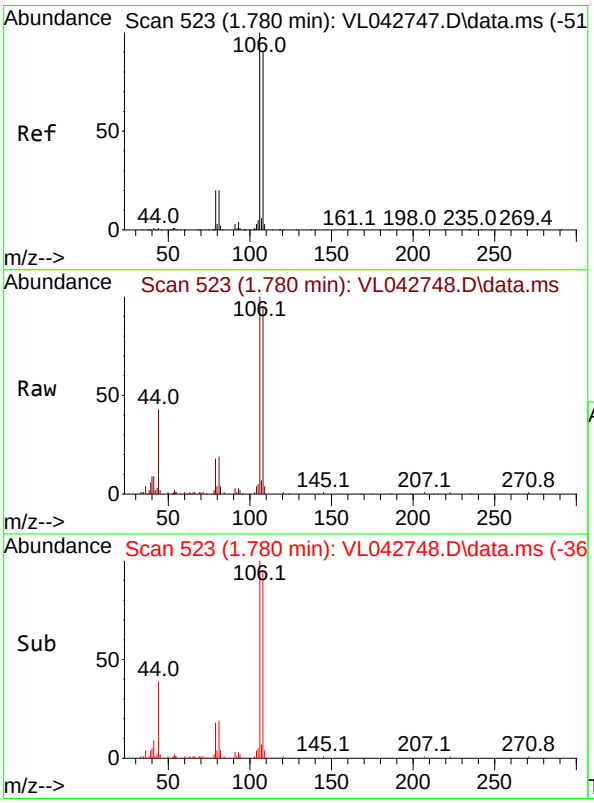
#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2321

Ion	Ratio	Lower	Upper
45	100		
46	58.7	17.8	71.4

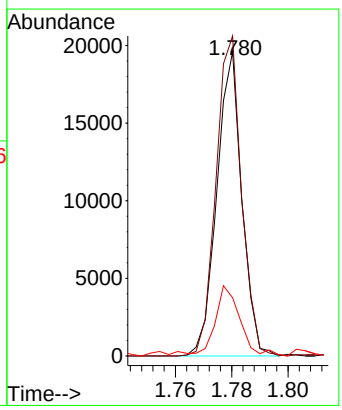


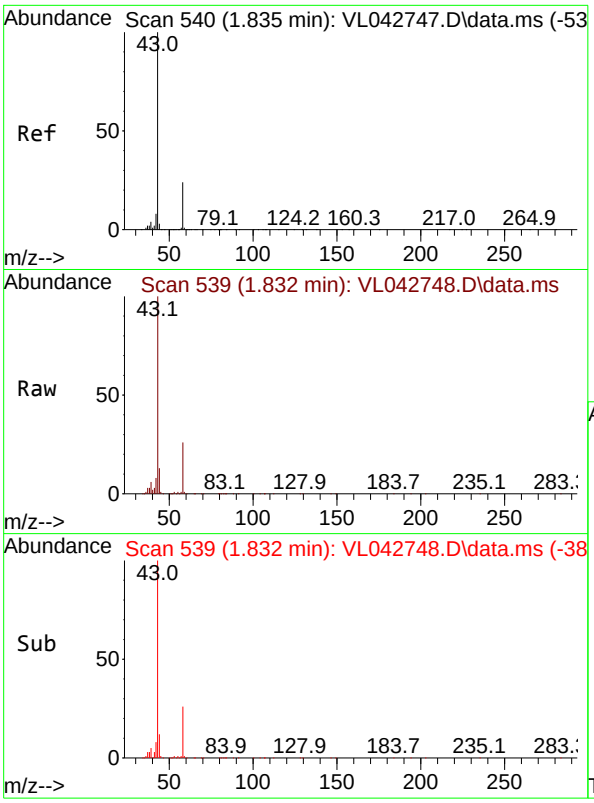


#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:108 Resp: 12078

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.7	127.1
79	29.2	17.4	26.2#



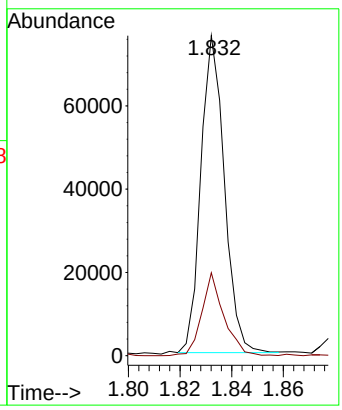


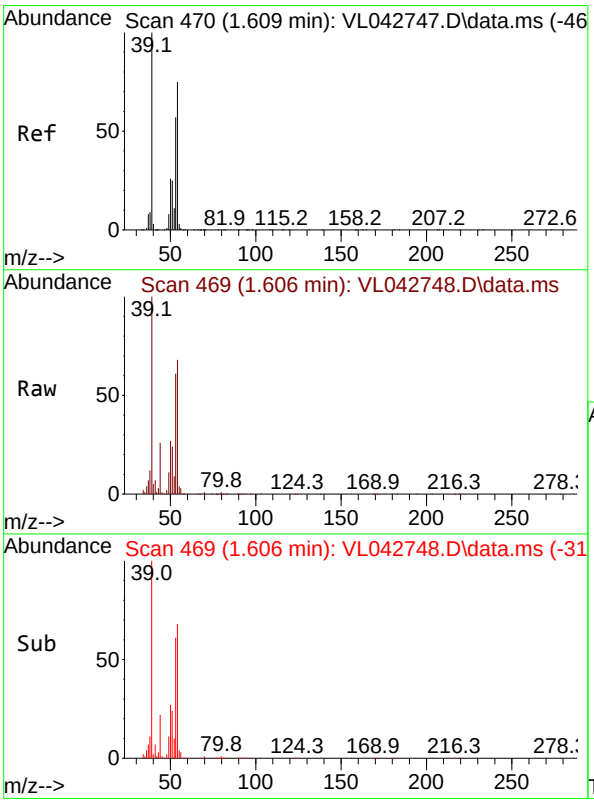
#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 48226

Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.8	29.8

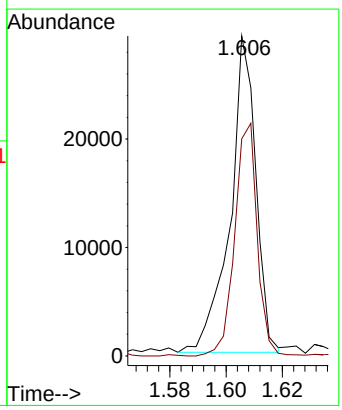


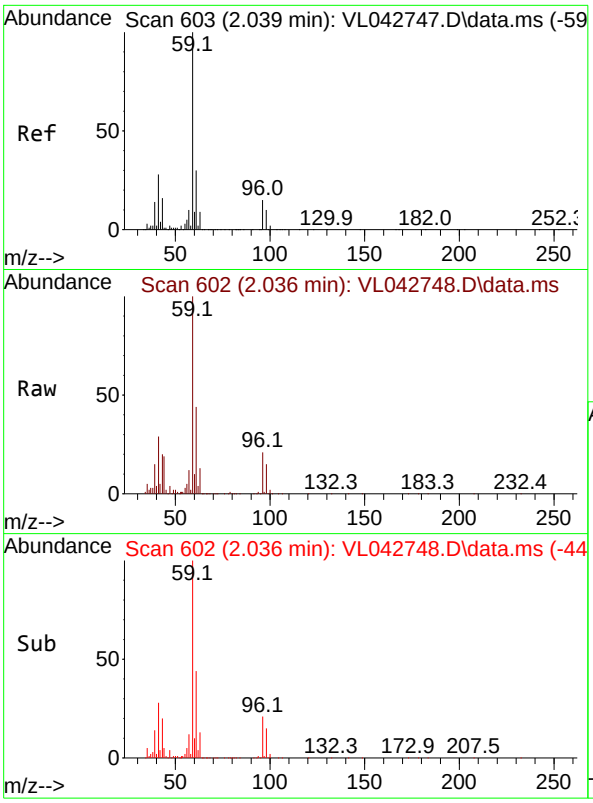


#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 39 Resp: 18504

Ion	Ratio	Lower	Upper
39	100		
54	65.0	54.5	81.7



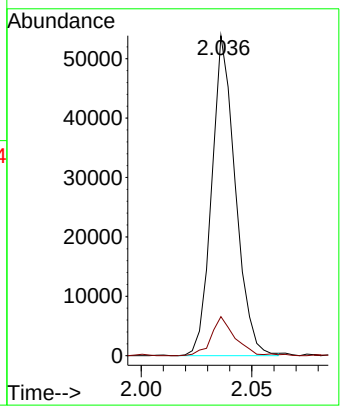


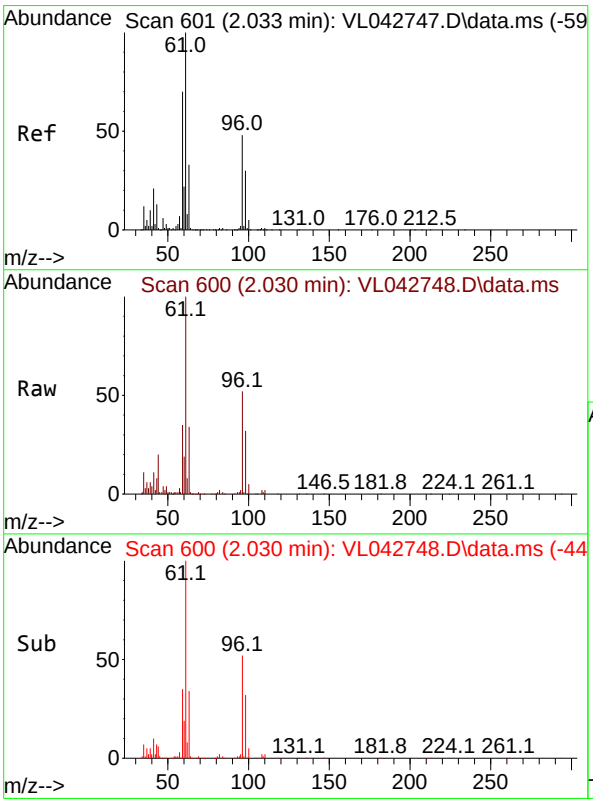
#17
tert-Butyl alcohol
Concen: 2.032 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 40135

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#

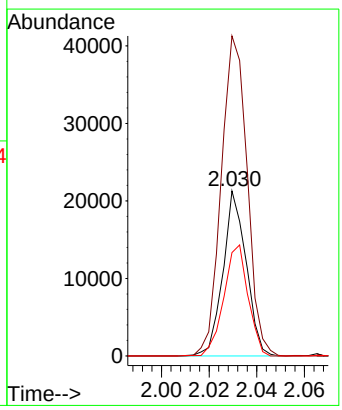


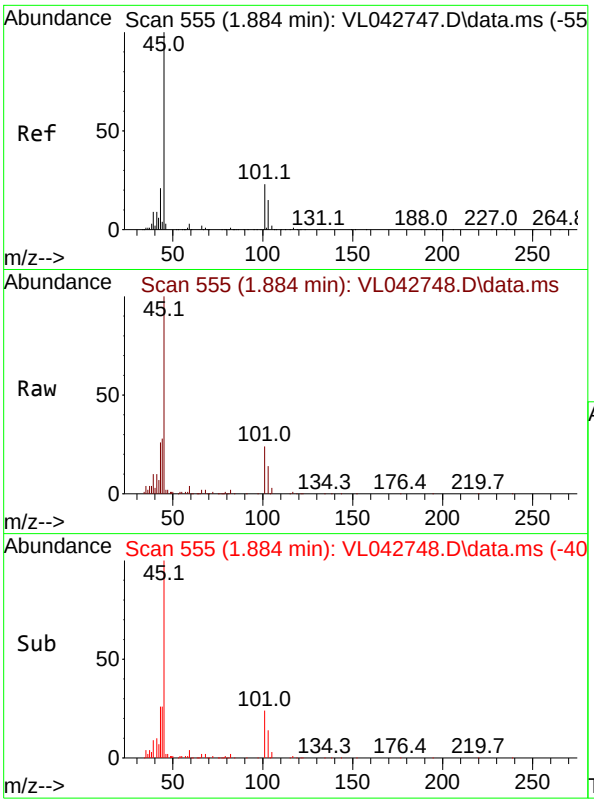


#18
1,1-Dichloroethene
Concen: 1.938 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	165.8	248.6
98	62.7	49.9	74.9



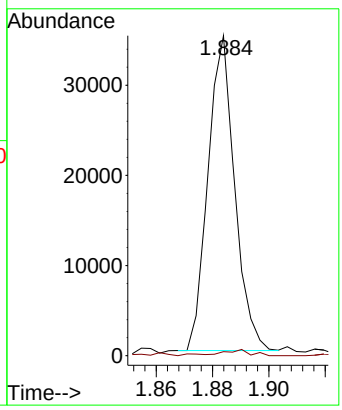


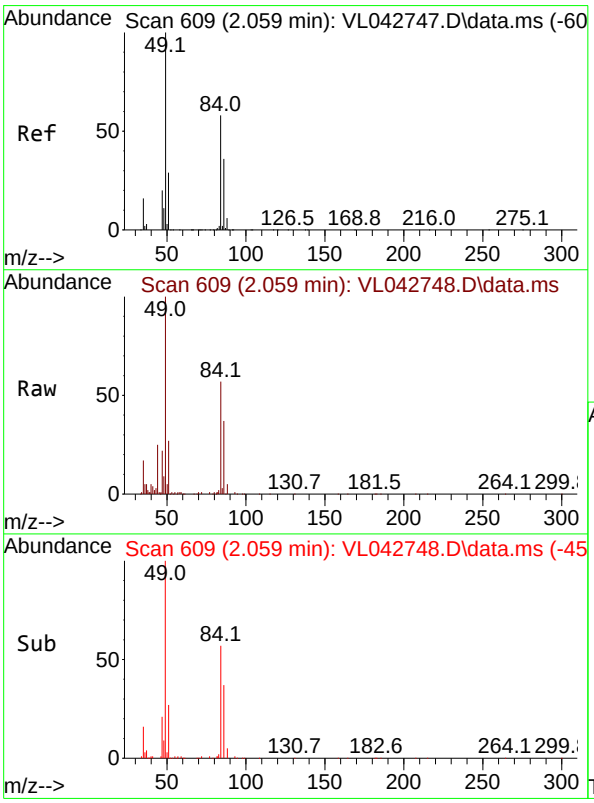
#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 23028

Ion	Ratio	Lower	Upper
45	100		
58	52.5	30.0	45.0#

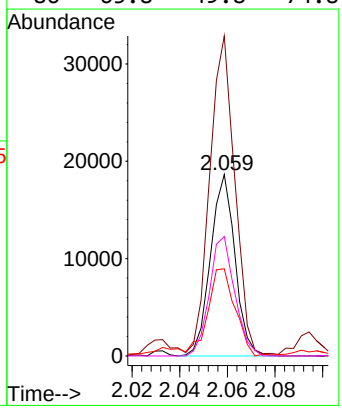


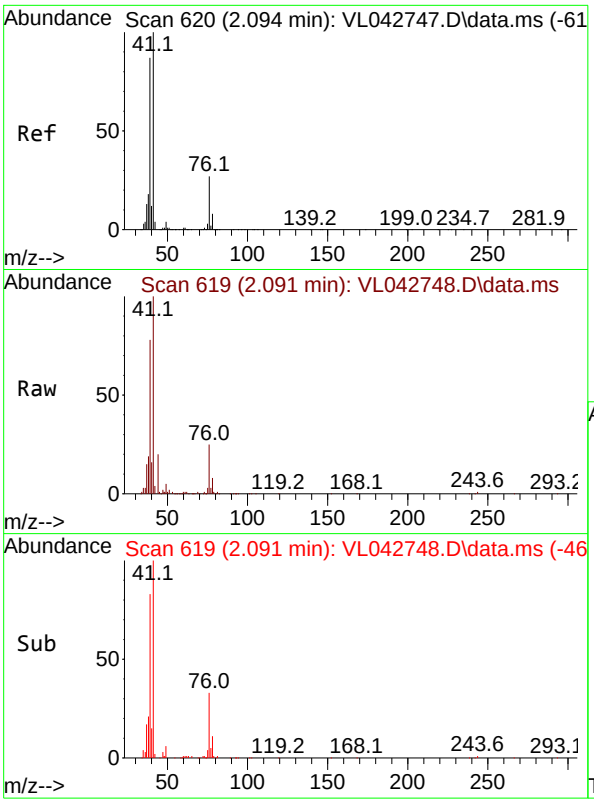


#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 13296

Ion	Ratio	Lower	Upper
84	100		
49	175.4	138.6	208.0
51	47.4	40.6	61.0
86	65.8	49.8	74.8



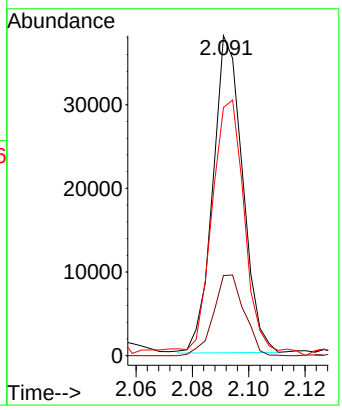


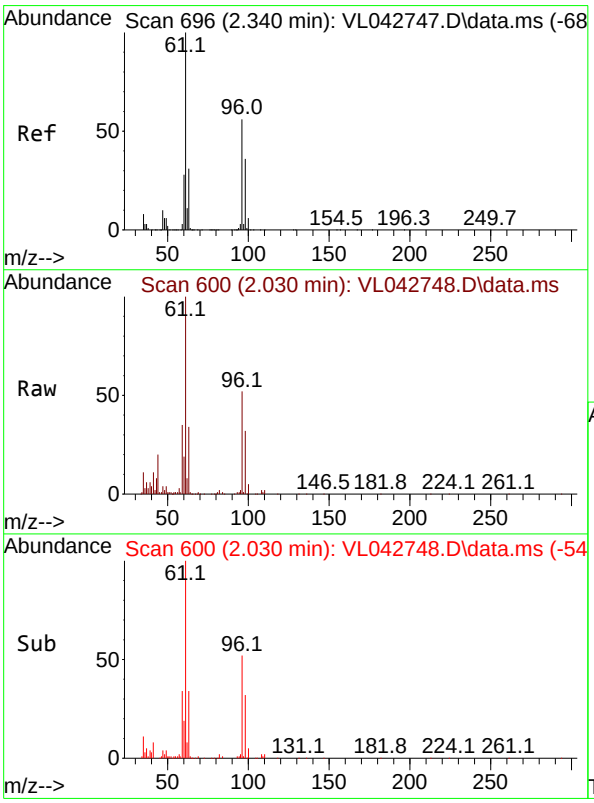
#21
Allyl Chloride
Concen: 2.059 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 27789

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	89.5	68.3	102.5

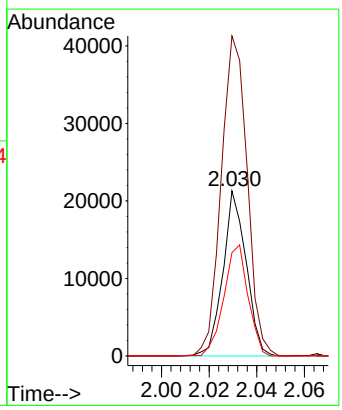


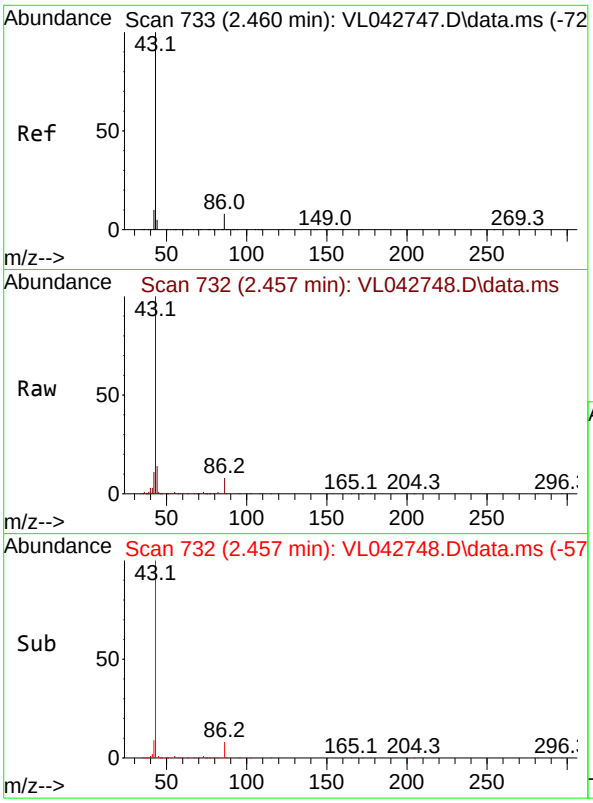


#22
trans-1,2-Dichloroethene
Concen: 1.804 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.311 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	142.3	213.5
98	62.7	50.6	76.0



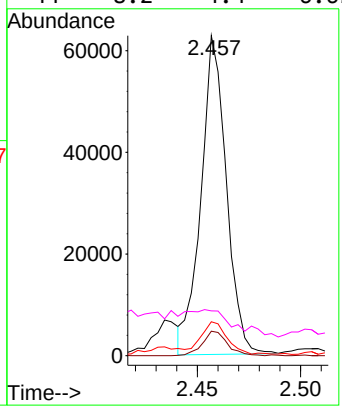


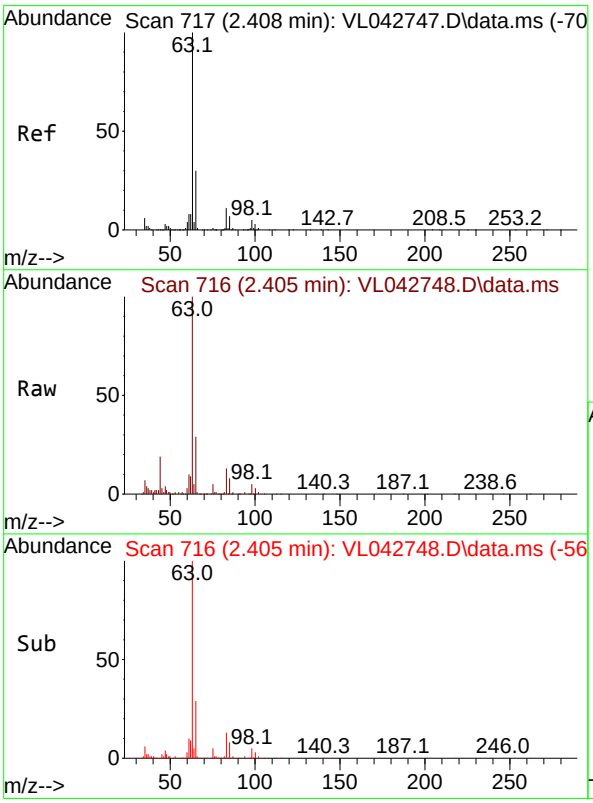
#23
Vinyl Acetate
Concen: 2.017 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 53544

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.1	7.8	11.8
44	8.2	4.4	6.6#

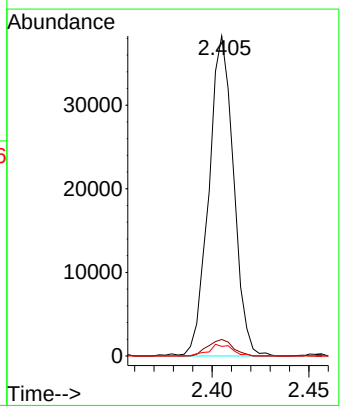


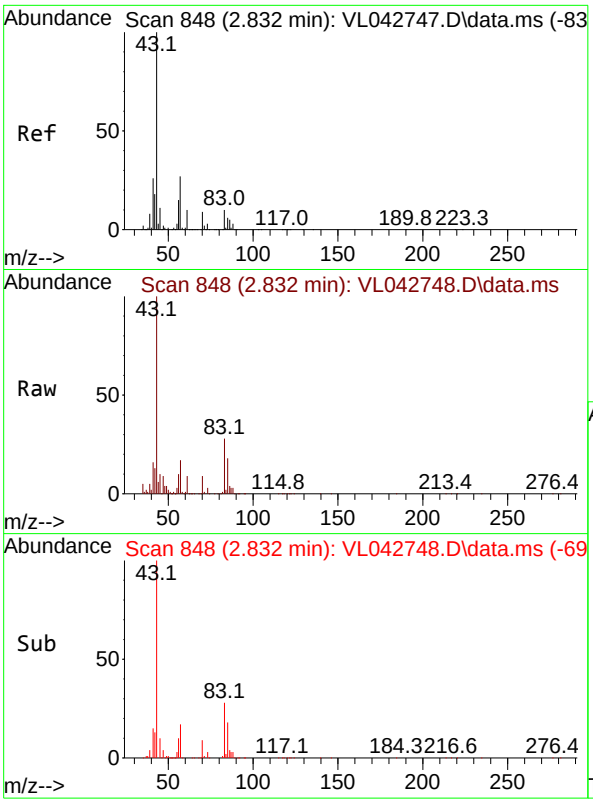


#24
1,1-Dichloroethane
Concen: 2.073 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 33969

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.0	1.6	4.8



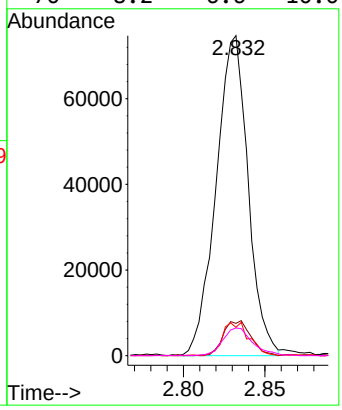


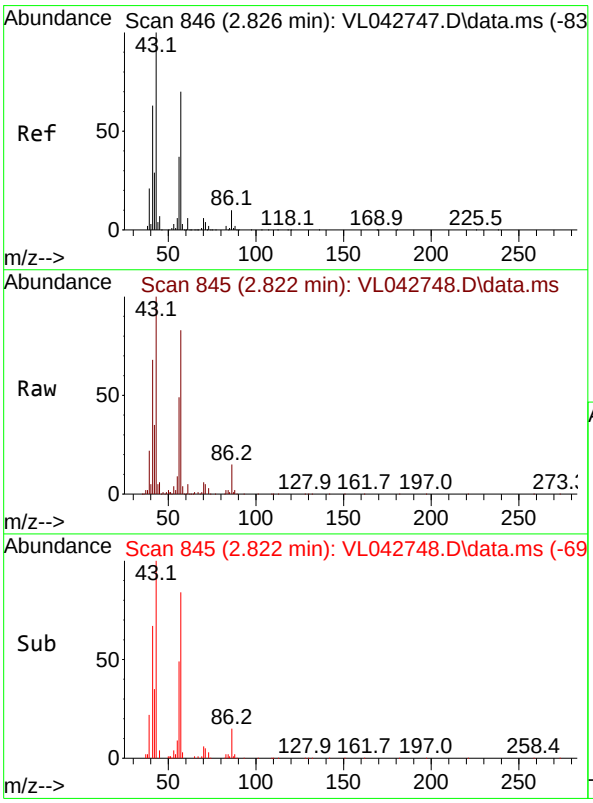
#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 101853

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	6.7	10.1
70	8.2	6.6	10.0

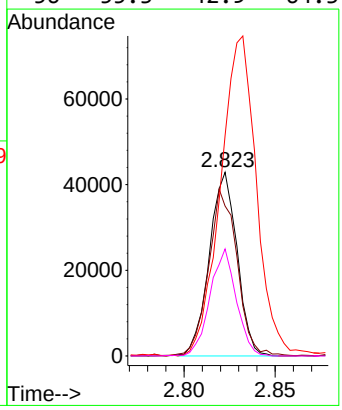


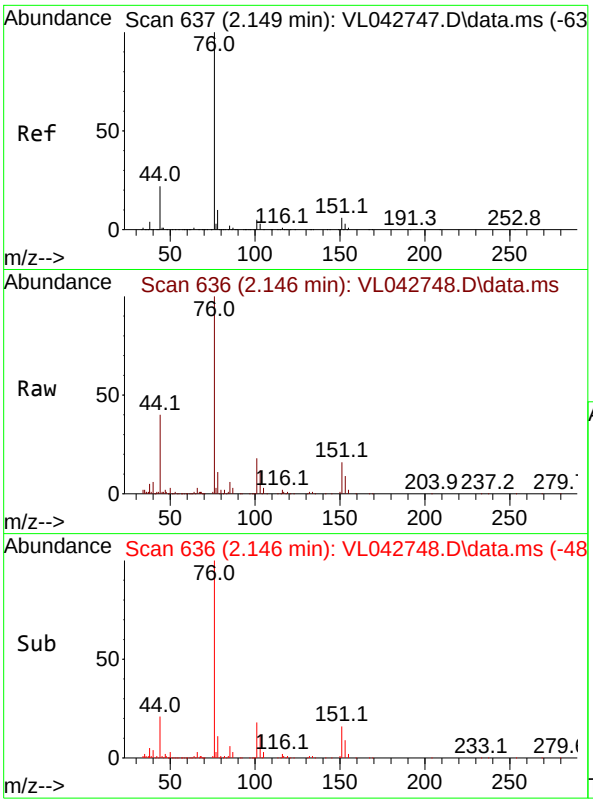


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 45446

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.4	113.2
43	230.2	185.0	277.6
56	55.3	42.9	64.3



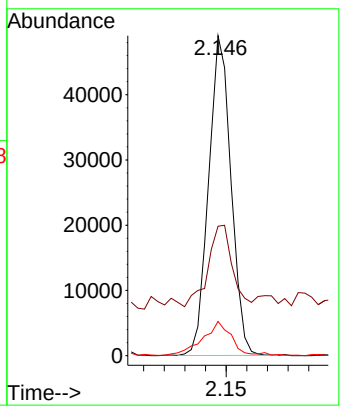


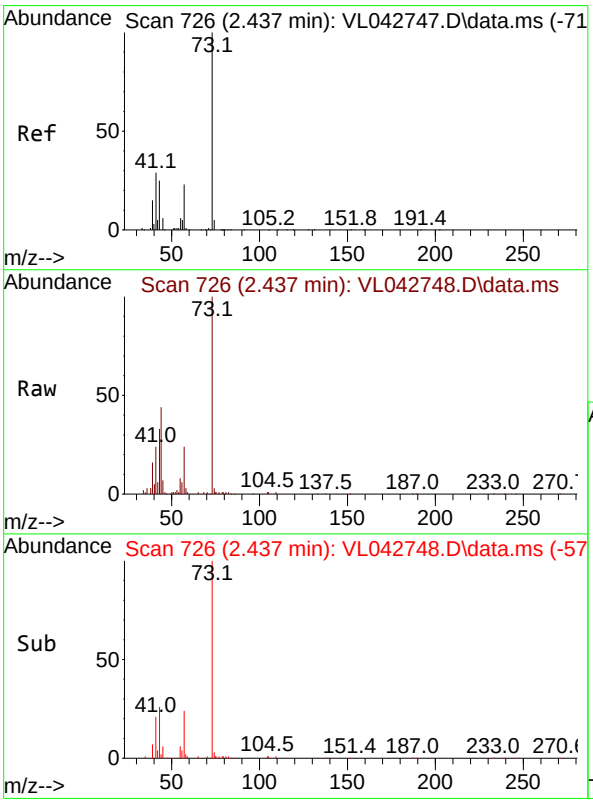
#27
Carbon Disulfide
Concen: 2.030 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 36945

Ion	Ratio	Lower	Upper
76	100		
44	71.1	19.3	28.9#
78	13.6	9.9	14.9

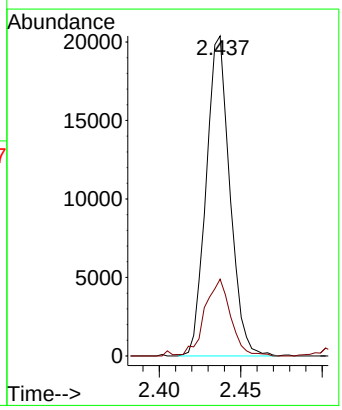


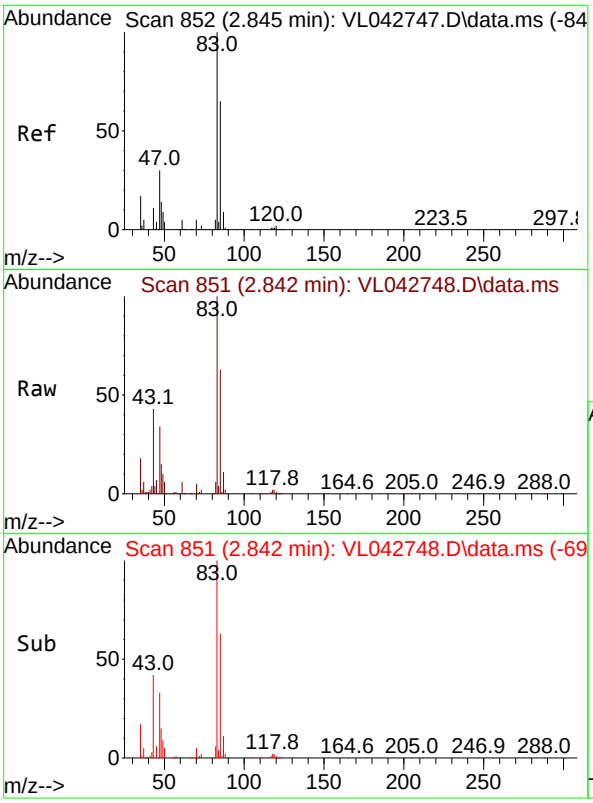


#28
Methyl tert-Butyl Ether
Concen: 2.051 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 73 Resp: 20603

Ion	Ratio	Lower	Upper
73	100		
57	26.7	19.8	29.8



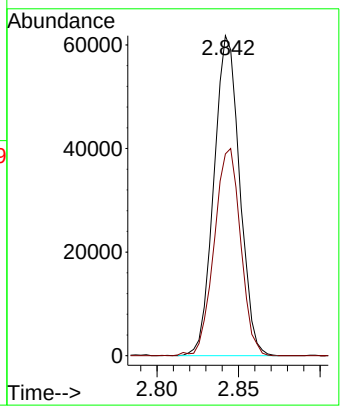


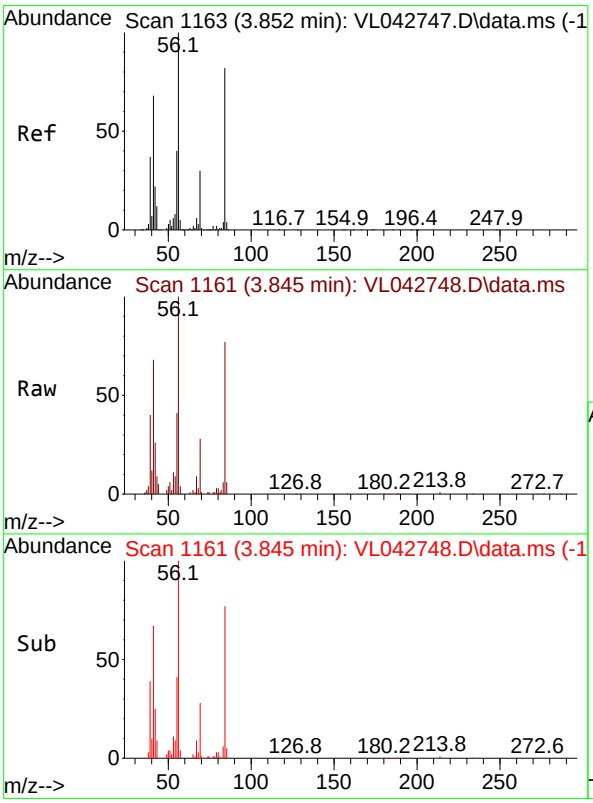
#29
Chloroform
Concen: 2.062 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 67755

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2

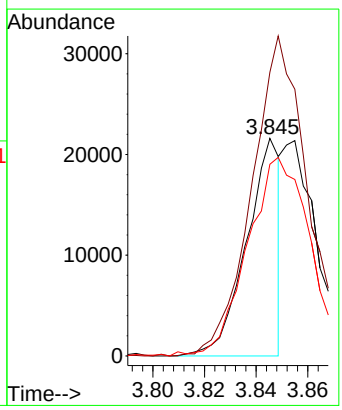


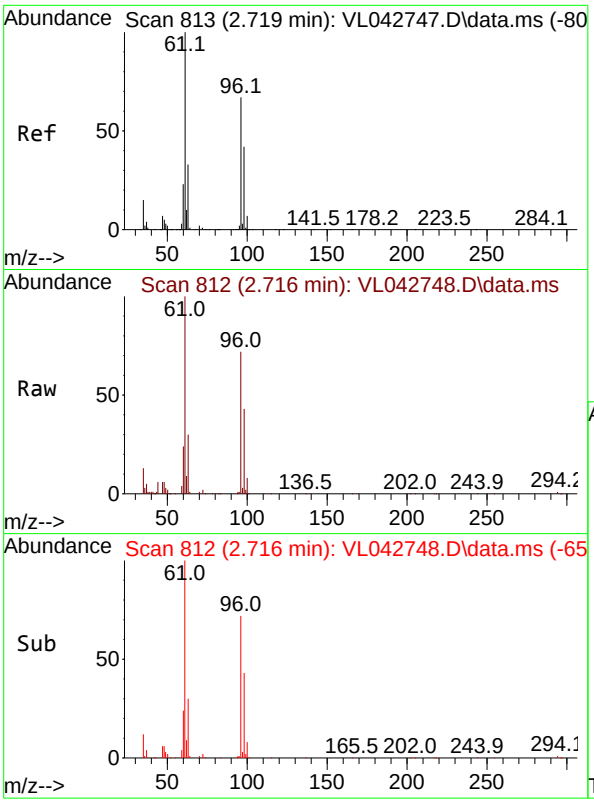


#30
Cyclohexane
Concen: 1.075 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 19383

Ion	Ratio	Lower	Upper
84	100		
56	245.5	97.5	146.3#
41	171.7	67.2	100.8#



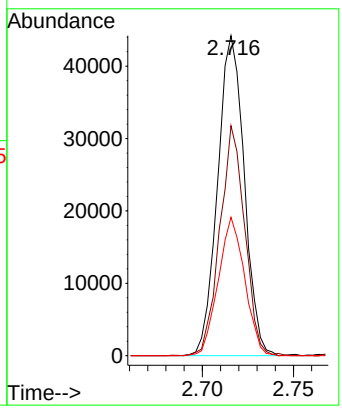


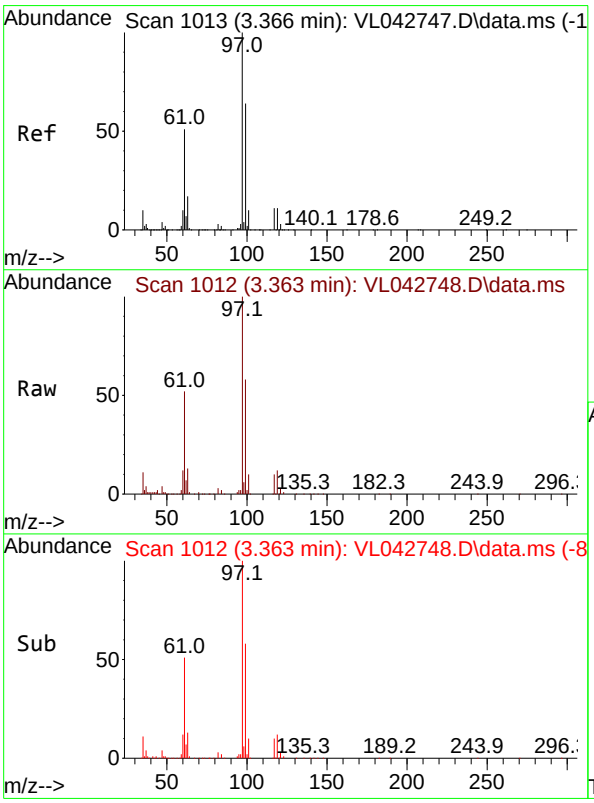
#31
cis-1,2-Dichloroethene
Concen: 2.053 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 44860

Ion	Ratio	Lower	Upper
61	100		
96	71.8	53.5	80.3
98	43.3	33.6	50.4

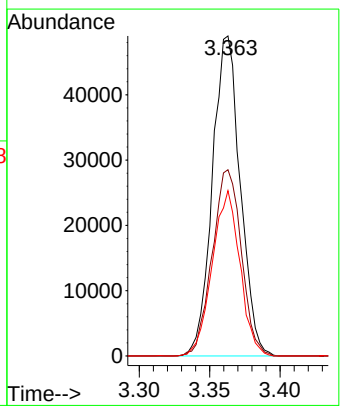


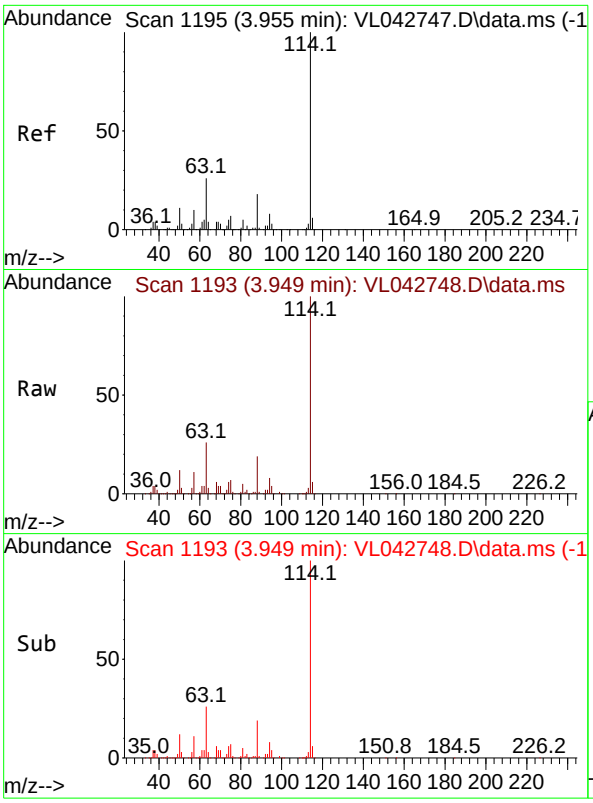


#32
1,1,1-Trichloroethane
Concen: 1.976 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 67608

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.0	76.6
61	51.3	40.9	61.3



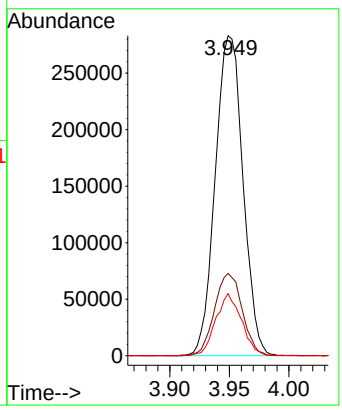


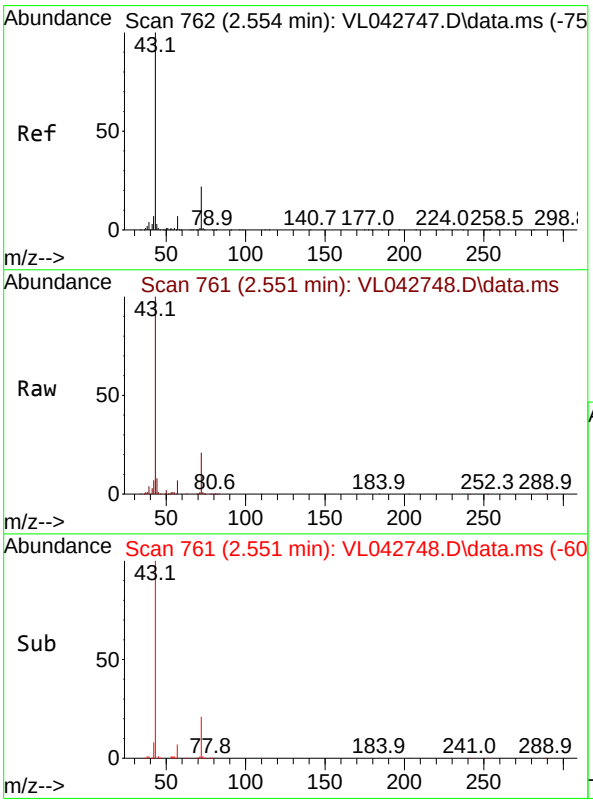
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 457804

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	18.0	14.0	21.0

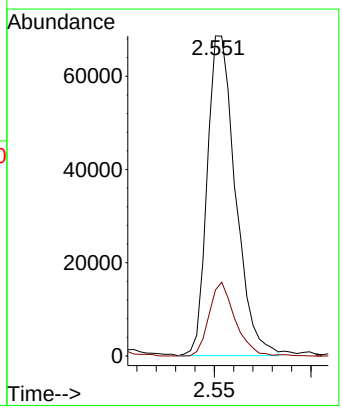


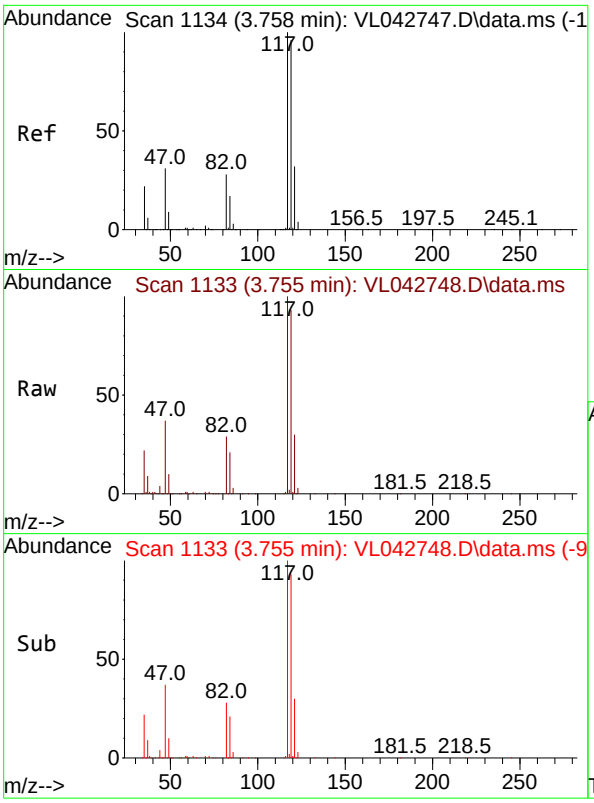


#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 69674

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0



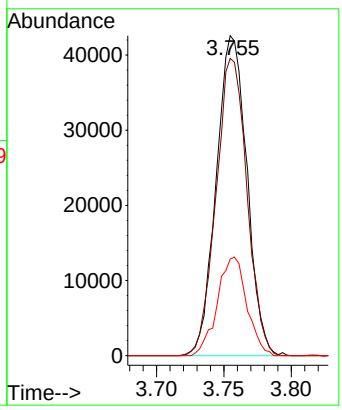


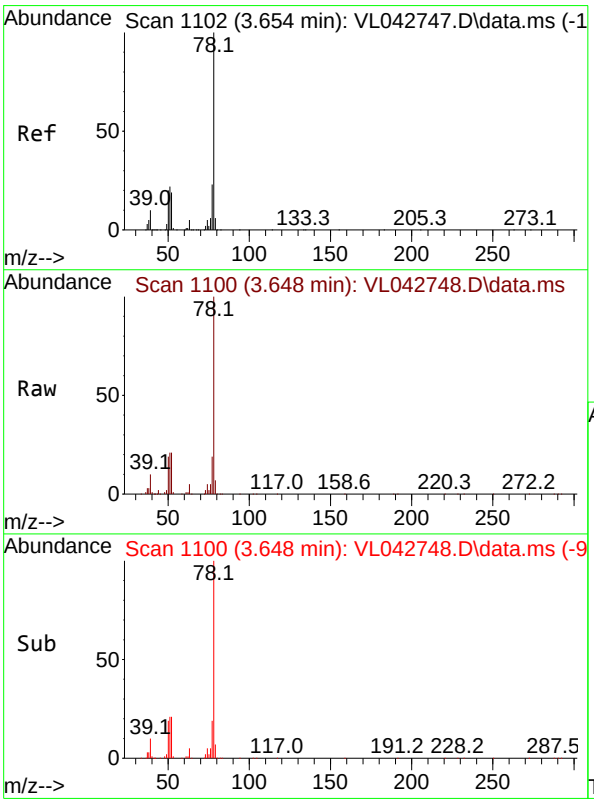
#35
Carbon Tetrachloride
Concen: 1.979 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 67338

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.1	115.7
121	30.2	25.5	38.3

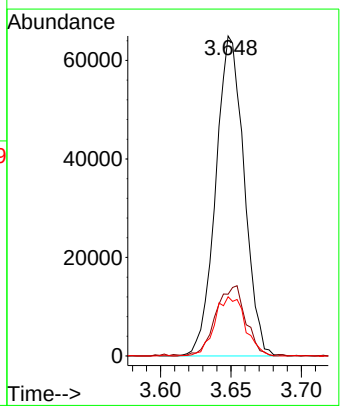


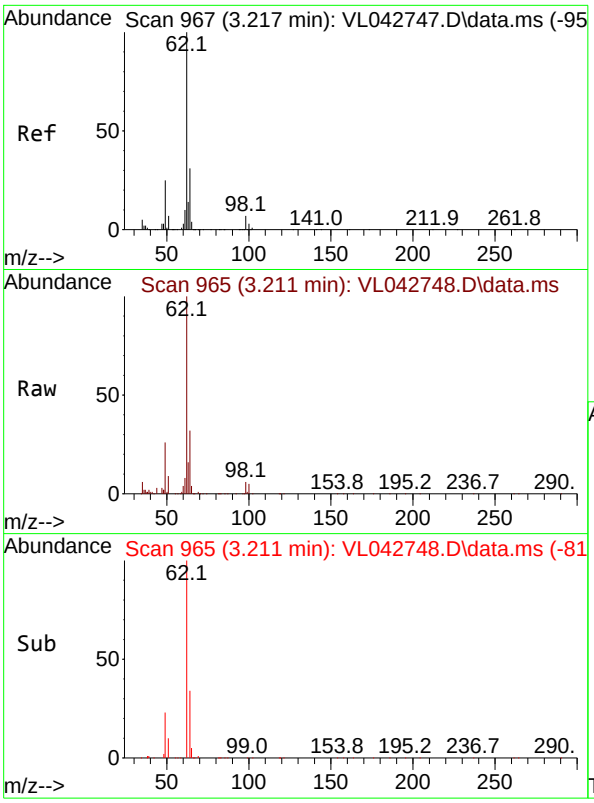


#36
Benzene
Concen: 2.101 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 78 Resp: 91141

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.5	27.7
50	18.5	16.2	24.2



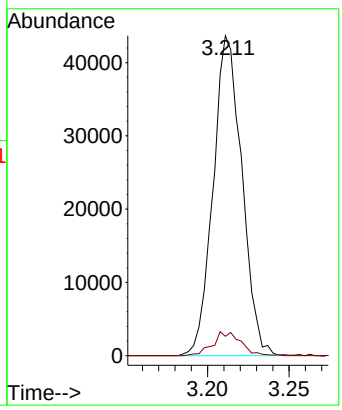


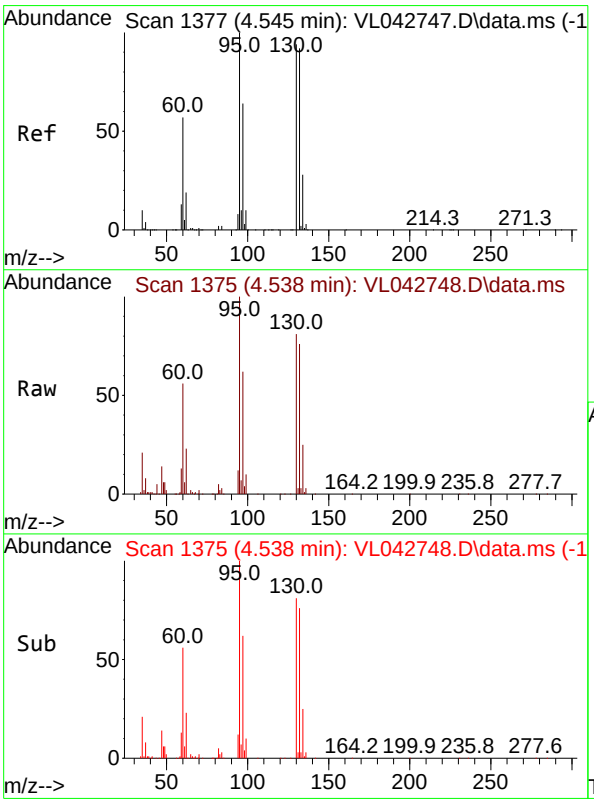
#37
1,2-Dichloroethane
Concen: 2.046 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 53482

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.2	7.8

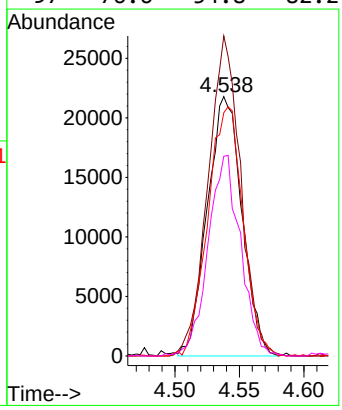


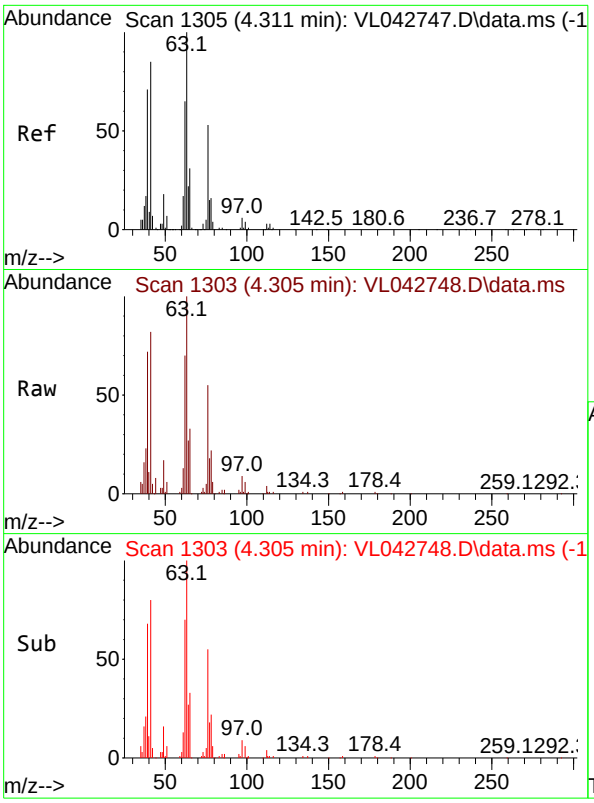


#38
Trichloroethene
Concen: 1.946 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

Ion	Ratio	Lower	Upper
130	100		
95	122.9	85.4	128.2
132	94.1	78.2	117.2
97	76.6	54.8	82.2



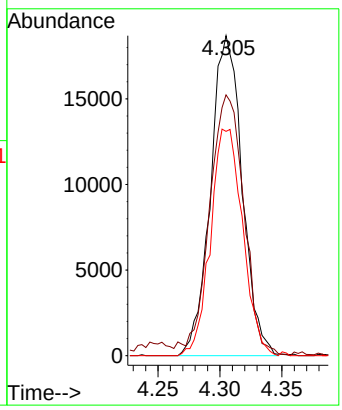


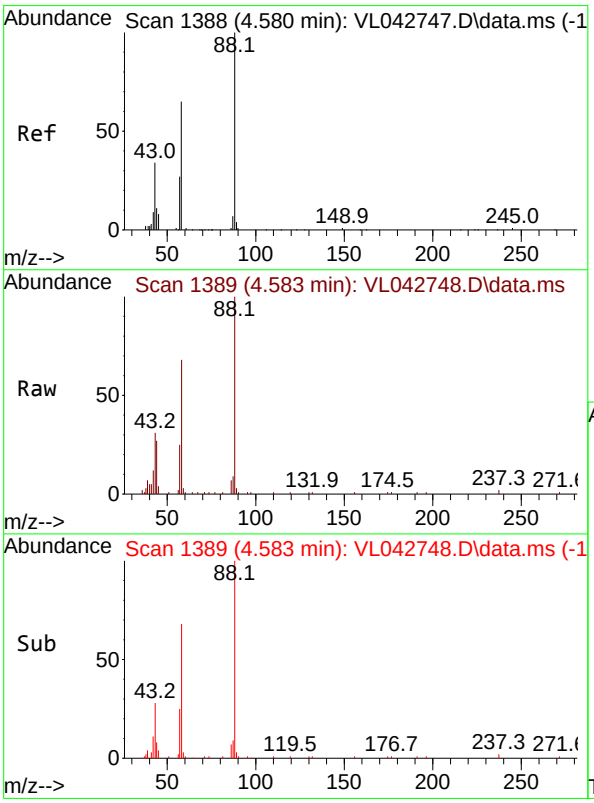
#39
1,2-Dichloropropane
Concen: 2.075 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 33225

Ion	Ratio	Lower	Upper
63	100		
41	80.8	68.2	102.4
62	70.1	52.0	78.0

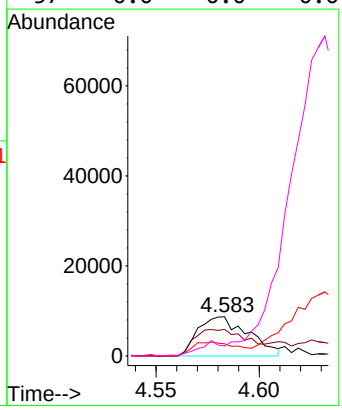


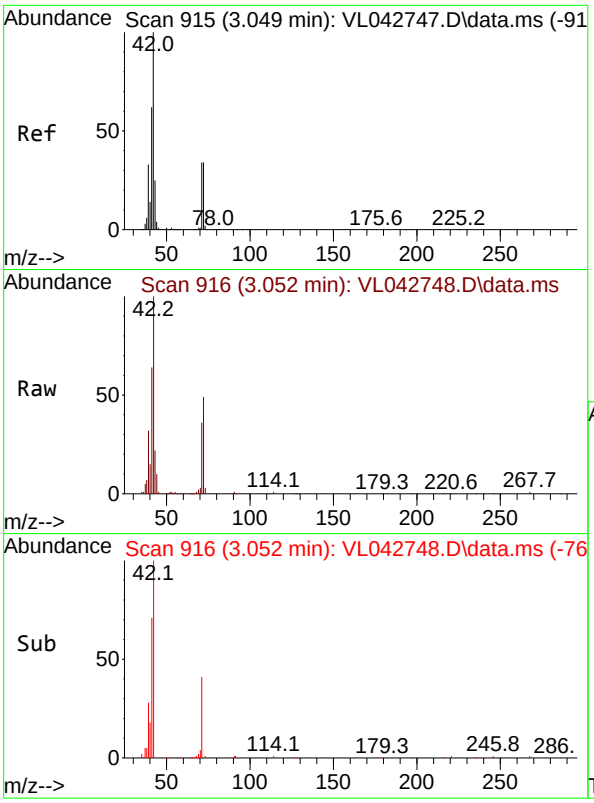


#40
1,4-Dioxane
Concen: 1.953 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 14747

Ion	Ratio	Lower	Upper
88	100		
58	87.2	58.8	88.2
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



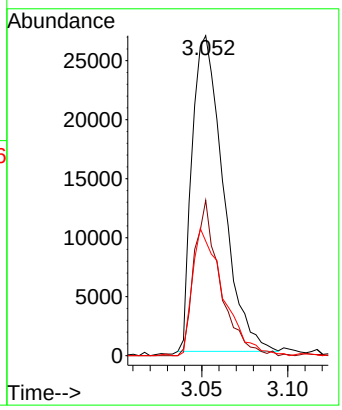


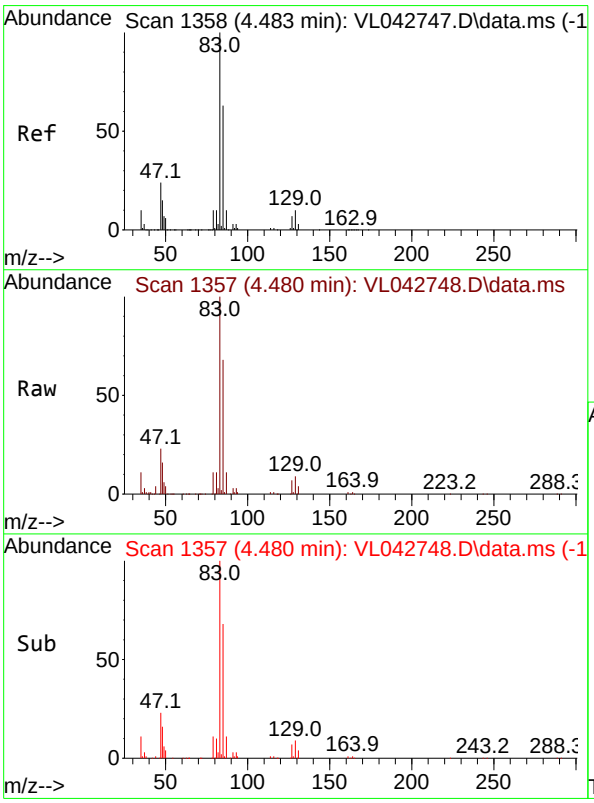
#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 33618

Ion	Ratio	Lower	Upper
42	100		
72	41.3	30.9	46.3
71	40.4	28.6	43.0

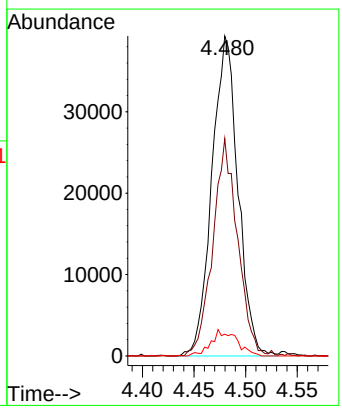


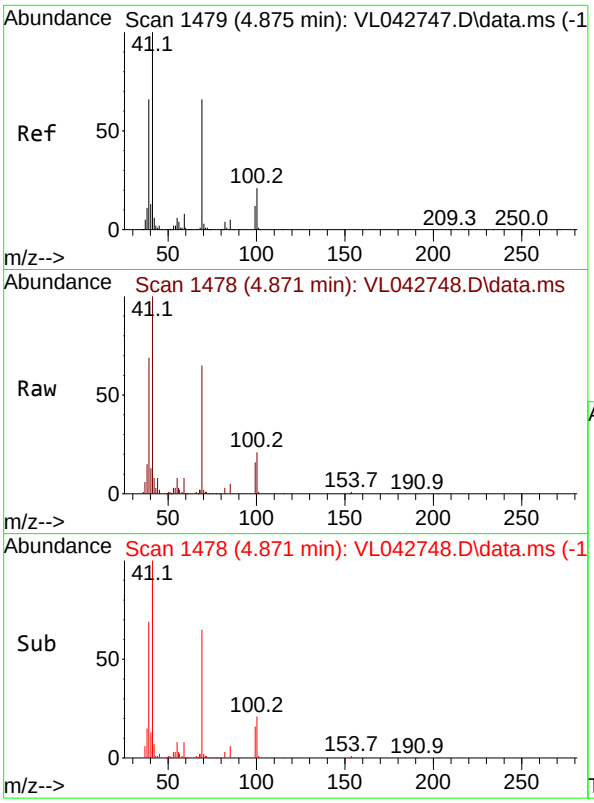


#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 69093

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.4
127	6.8	5.4	8.2



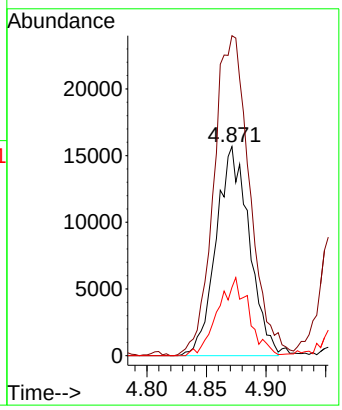


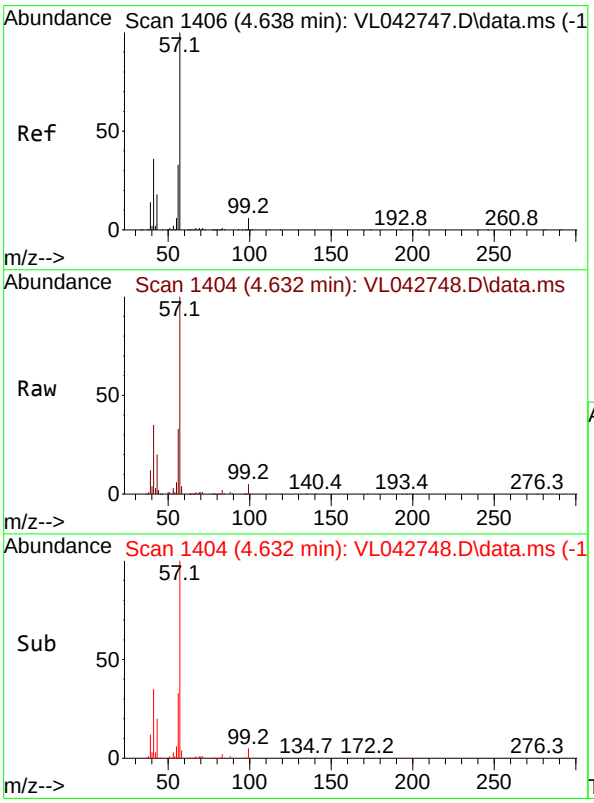
#43
Methyl Methacrylate
Concen: 1.967 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 30336

Ion	Ratio	Lower	Upper
69	100		
41	164.3	125.7	188.5
100	35.5	28.6	42.8

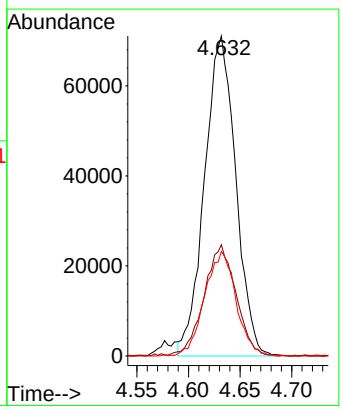


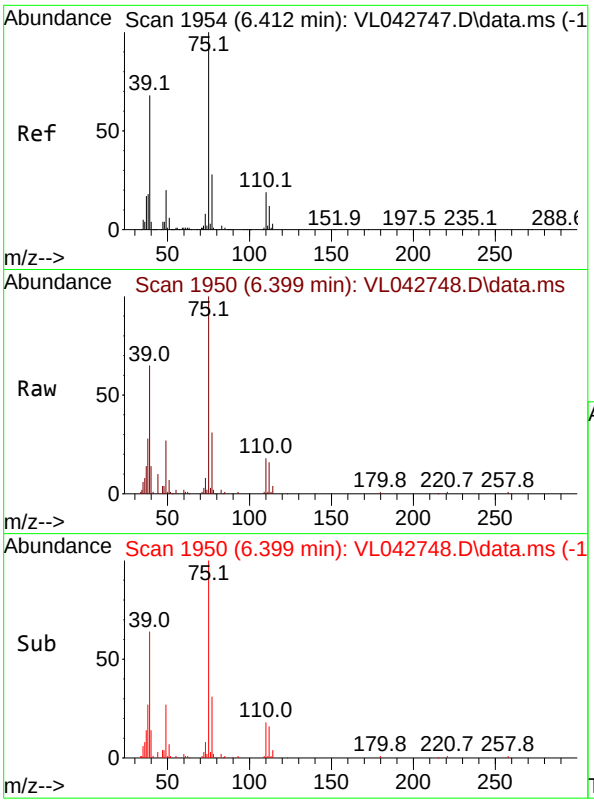


#44
2,2,4-Trimethylpentane
Concen: 2.115 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 149588

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.3	42.5
56	32.9	25.8	38.6



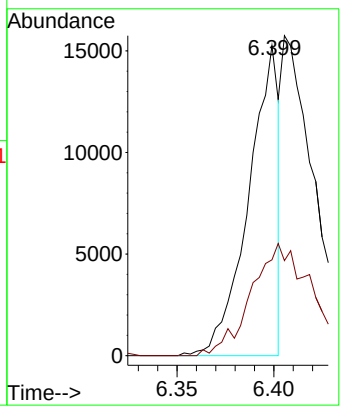


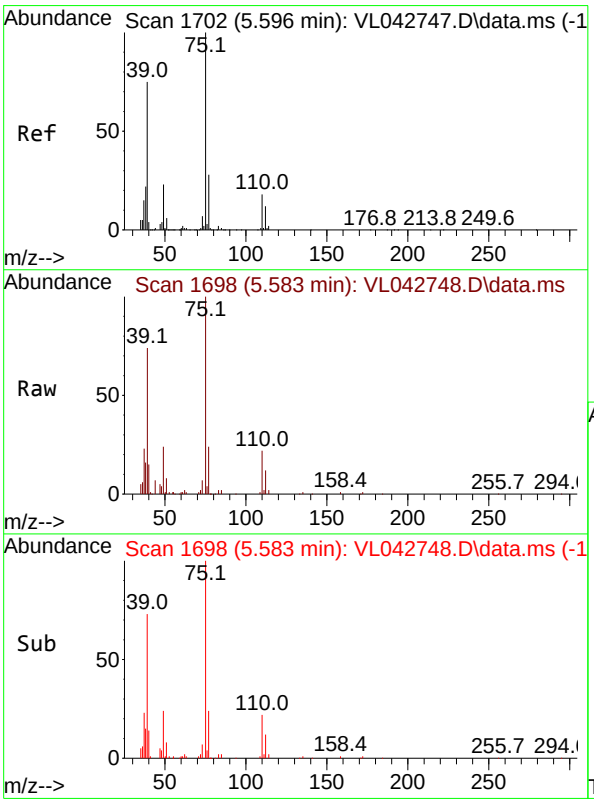
#45
t-1,3-Dichloropropene
Concen: 0.957 ppbv
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 16554

Ion	Ratio	Lower	Upper
75	100		
77	30.9	22.4	33.6

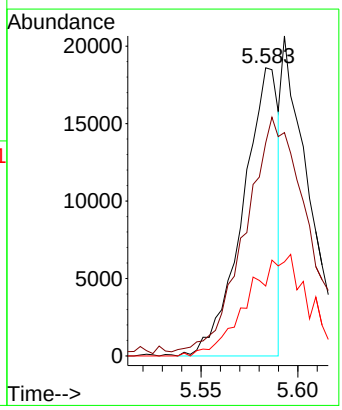


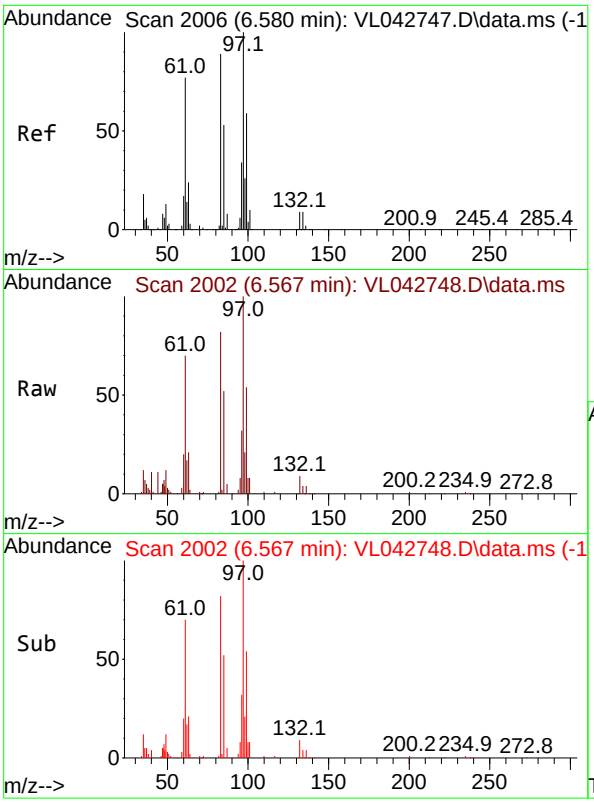


#46
cis-1,3-Dichloropropene
Concen: 1.084 ppbv
RT: 5.583 min Scan# 1698
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 23760

Ion	Ratio	Lower	Upper
75	100		
39	71.8	60.2	90.2
77	24.2	22.6	34.0



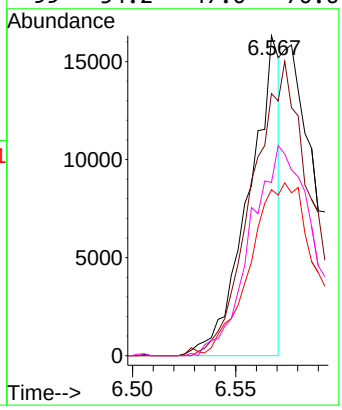


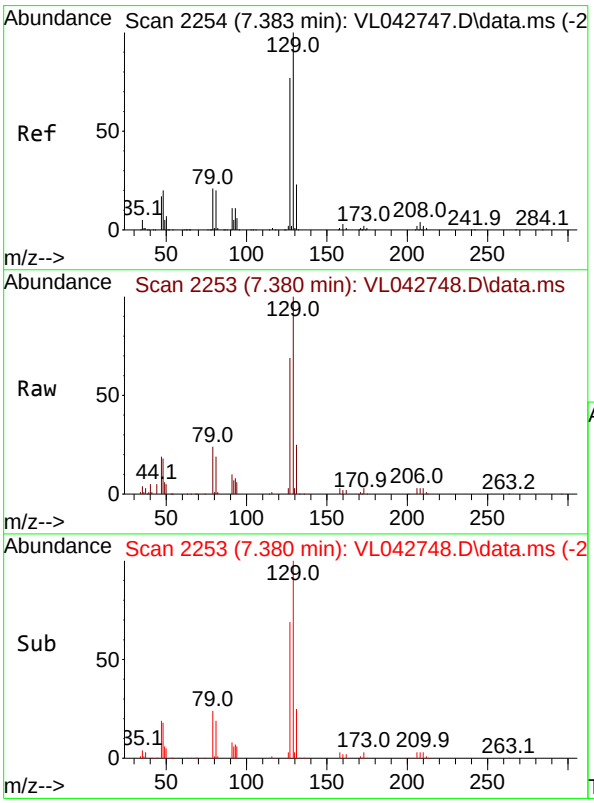
#47
1,1,2-Trichloroethane
Concen: 0.988 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 16867

Ion	Ratio	Lower	Upper
97	100		
83	81.9	71.1	106.7
85	51.9	43.0	64.4
99	54.2	47.0	70.6

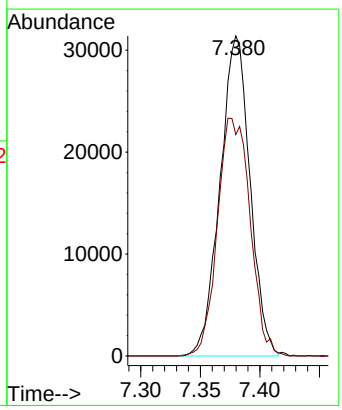


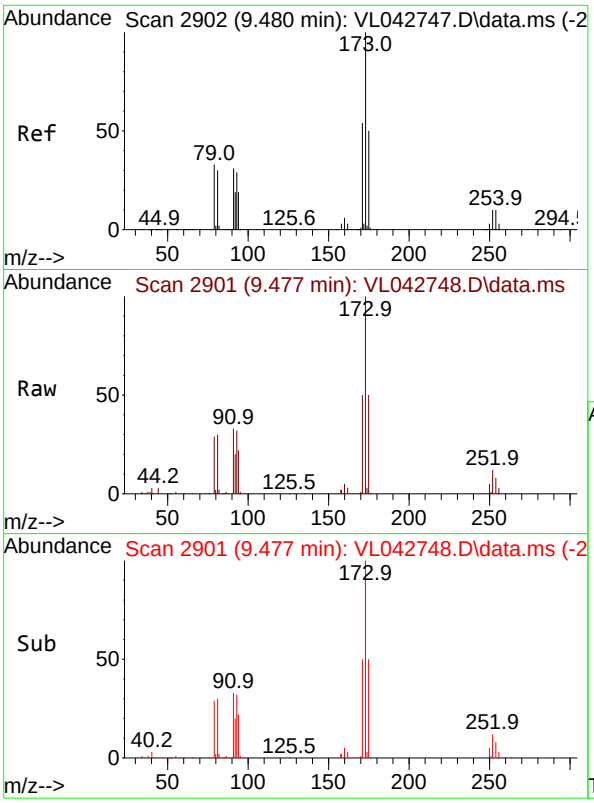


#48
Dibromochloromethane
Concen: 2.026 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:129 Resp: 54906

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.7	116.1



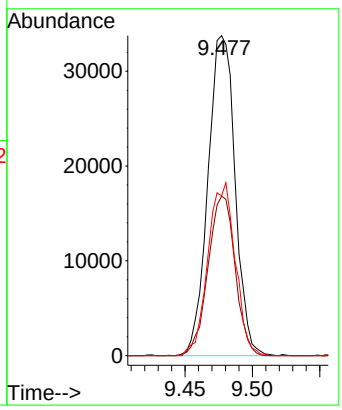


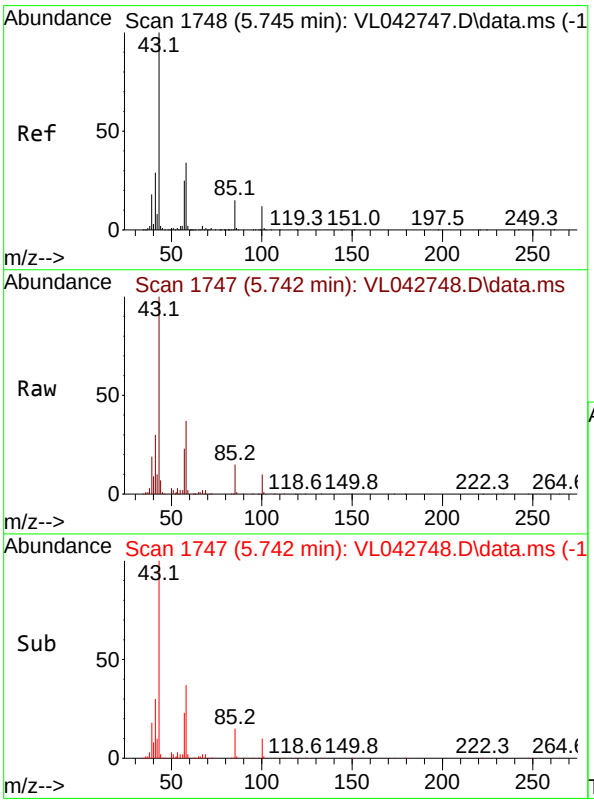
#49
Bromoform
Concen: 2.003 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 47340

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.4	57.6
171	54.2	40.9	61.3

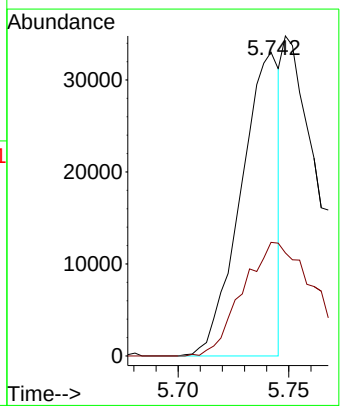


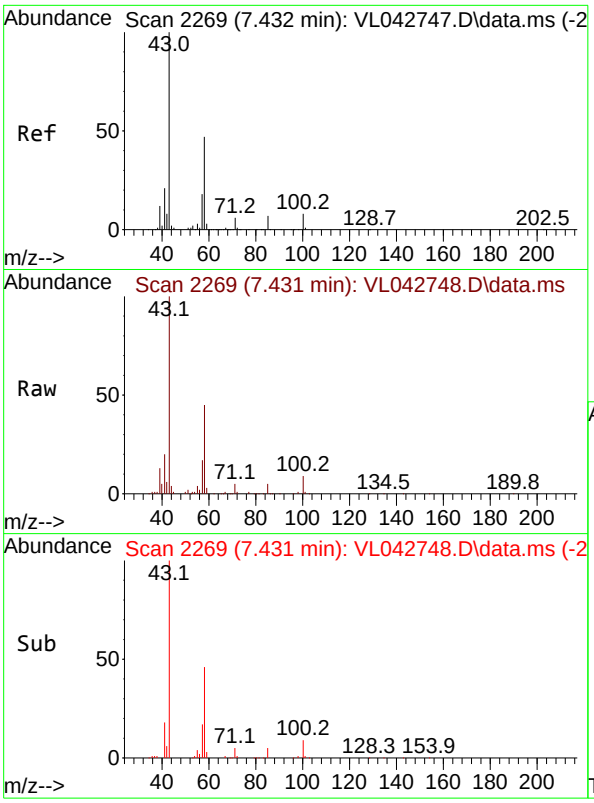


#50
4-Methyl-2-Pentanone
Concen: 0.966 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 39913

Ion	Ratio	Lower	Upper
43	100		
58	76.3	27.8	41.8#



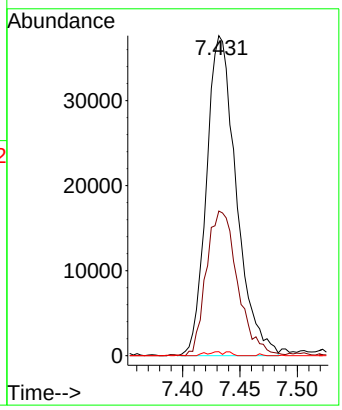


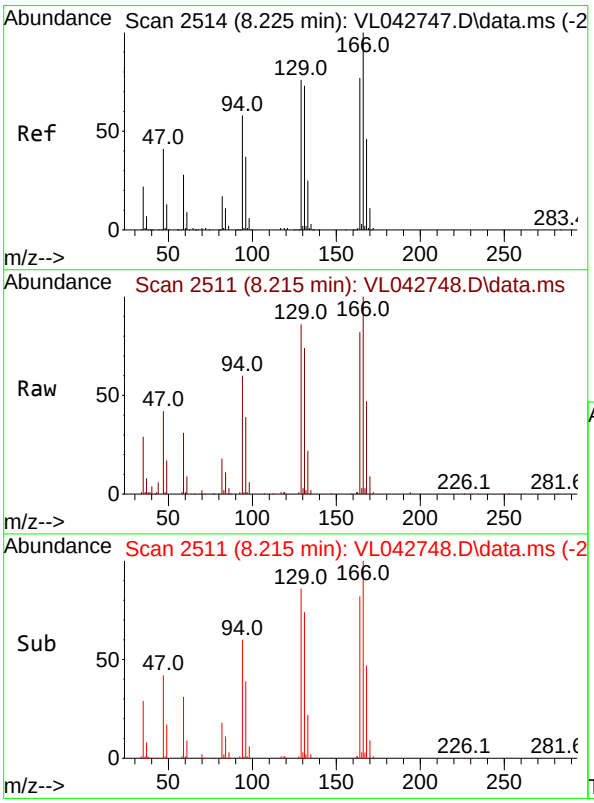
#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 68093

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.0	57.0
98	1.0	0.2	0.4#

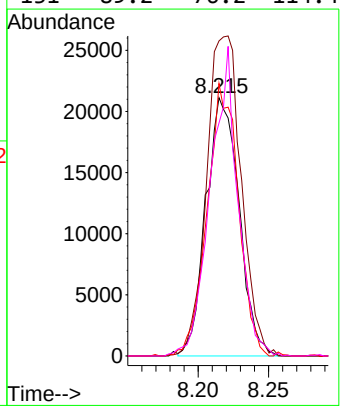


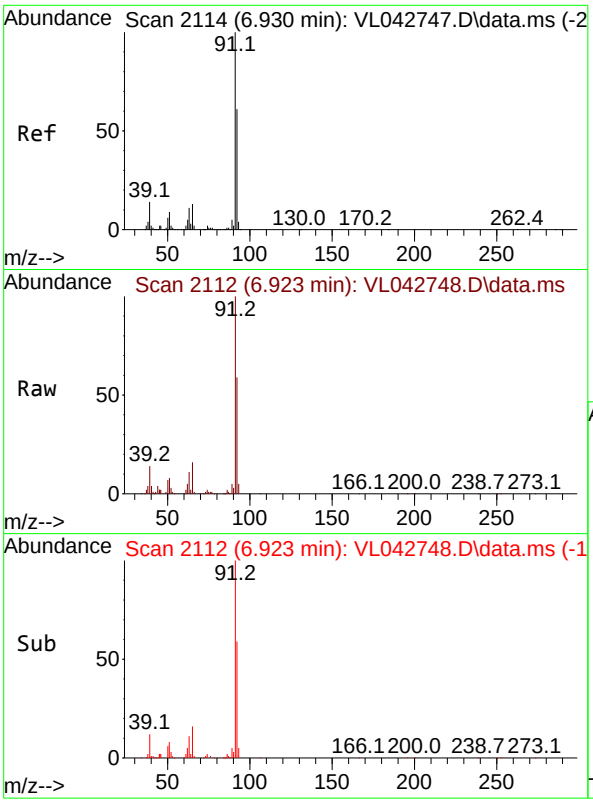


#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:164 Resp: 34568

Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.0	156.0
129	103.9	79.2	118.8
131	89.2	76.2	114.4



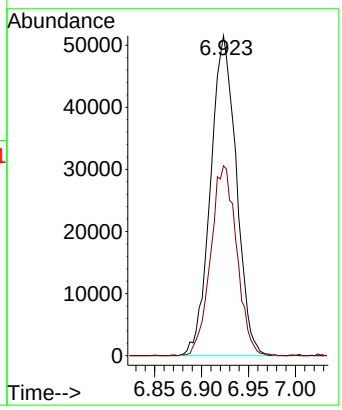


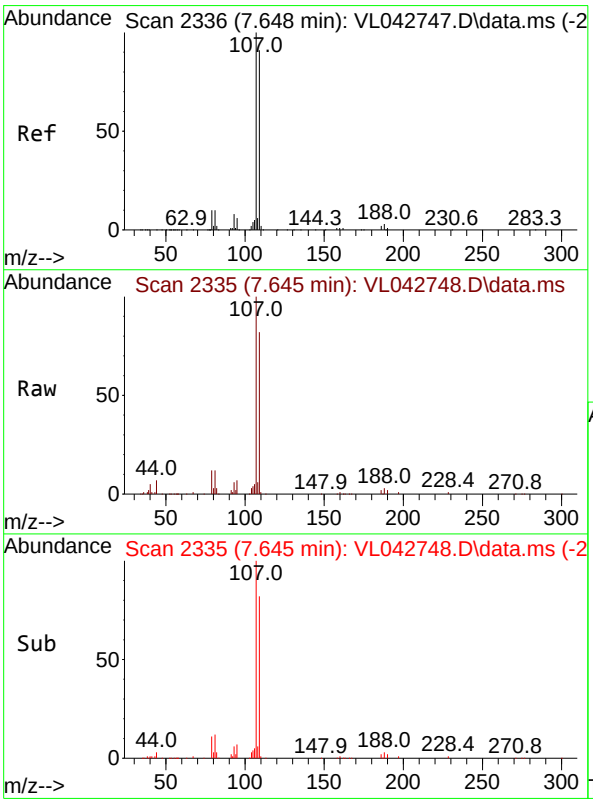
#53
Toluene
Concen: 2.111 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 98346

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.0	72.0

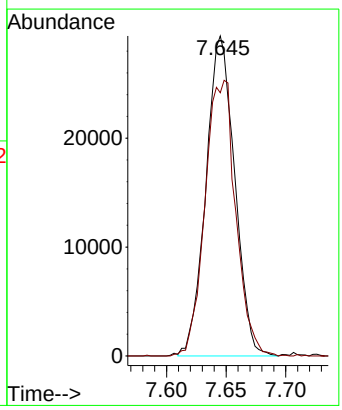


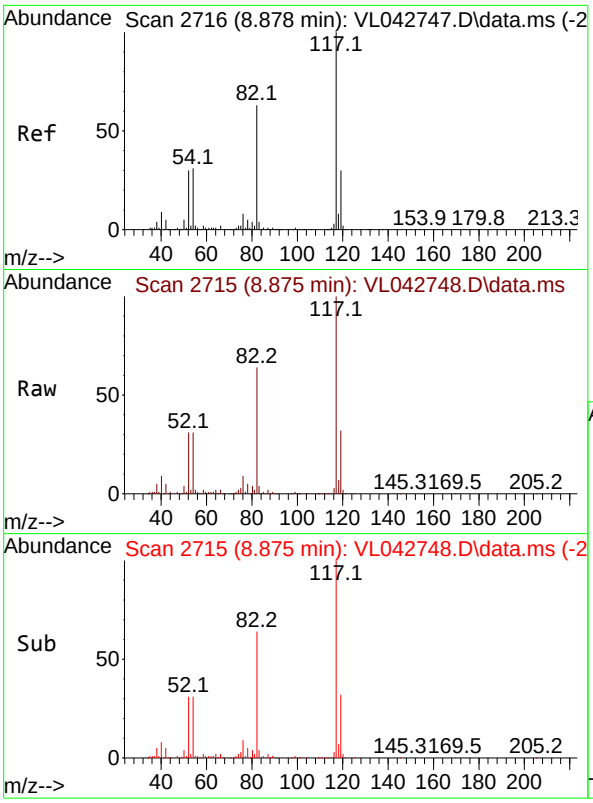


#54
1,2-Dibromoethane
Concen: 2.042 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:107 Resp: 49346

Ion	Ratio	Lower	Upper
107	100		
109	82.2	72.7	109.1



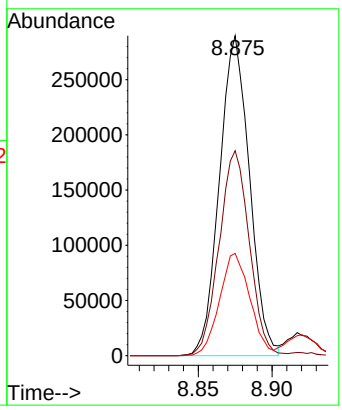


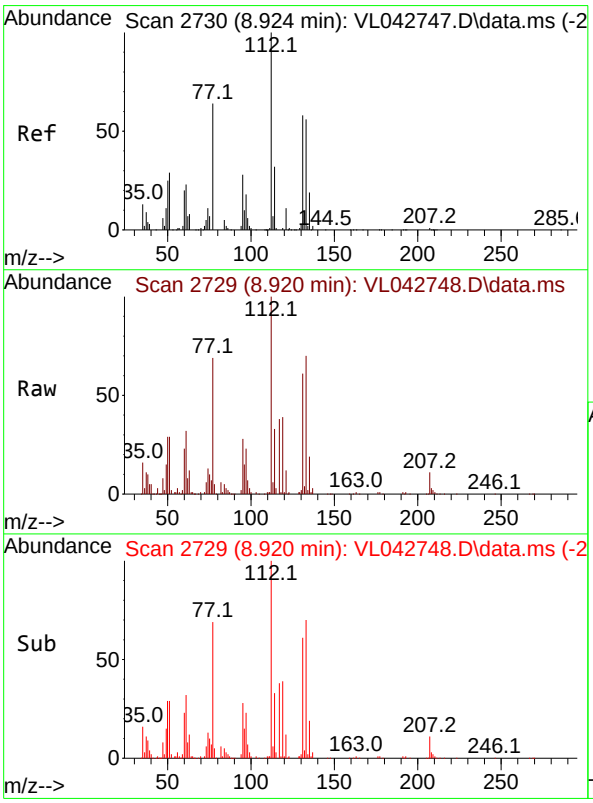
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 410740

Ion	Ratio	Lower	Upper
117	100		
82	65.2	53.3	79.9
119	33.2	25.8	38.6

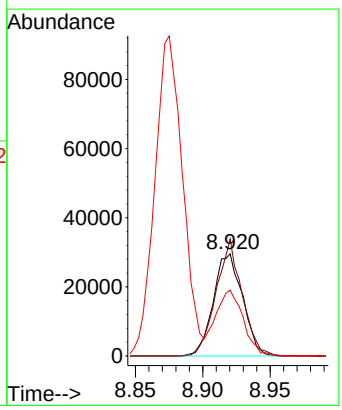


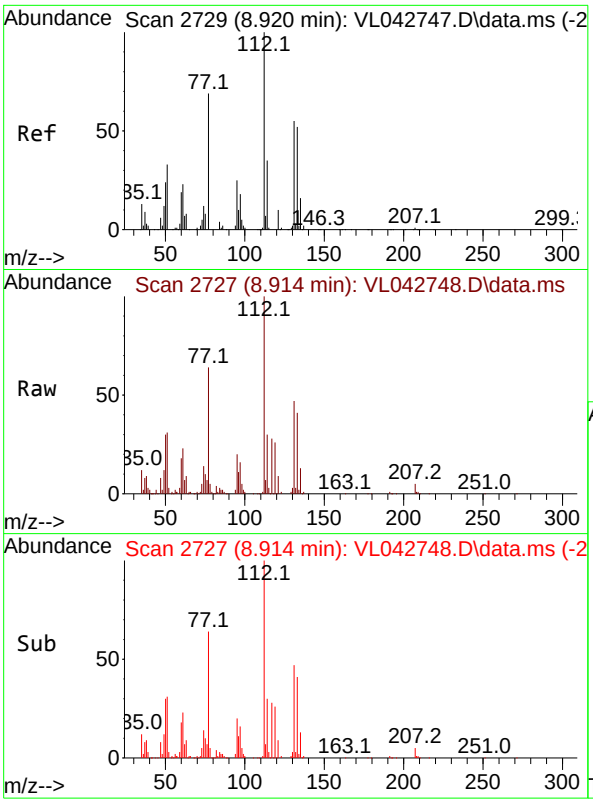


#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409

Ion	Ratio	Lower	Upper
131	100		
133	102.1	76.8	115.2
119	54.2	49.7	74.5



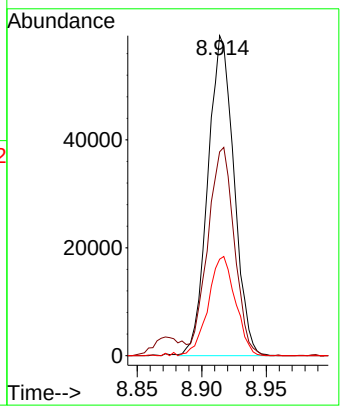


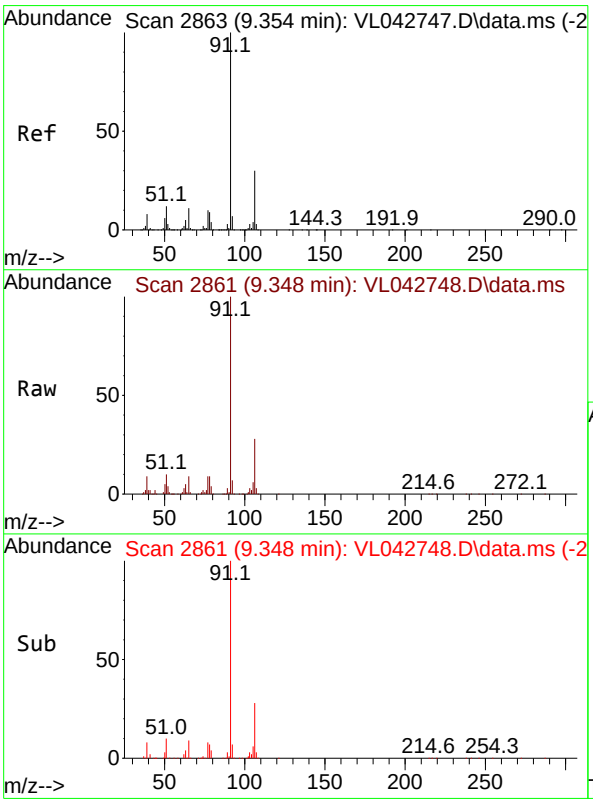
#57
Chlorobenzene
Concen: 2.101 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 83503

Ion	Ratio	Lower	Upper
112	100		
77	63.5	56.4	84.6
114	30.2	31.2	38.2#

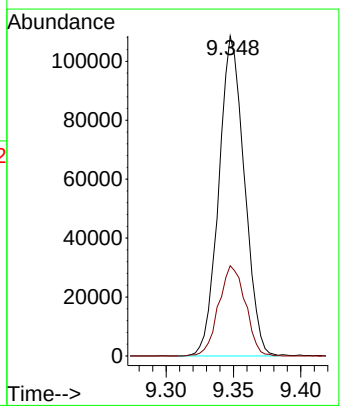


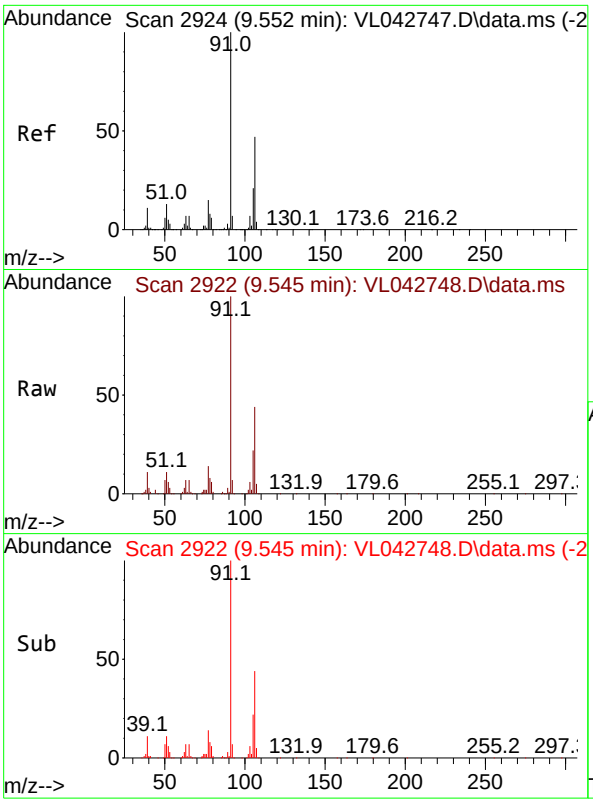


#58
Ethyl Benzene
Concen: 2.208 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 143251

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.6



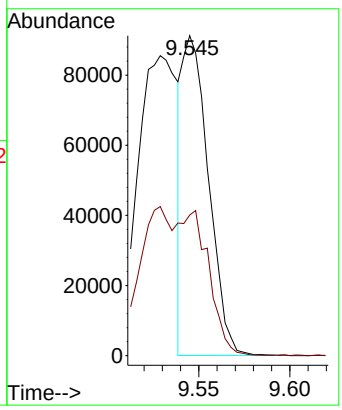


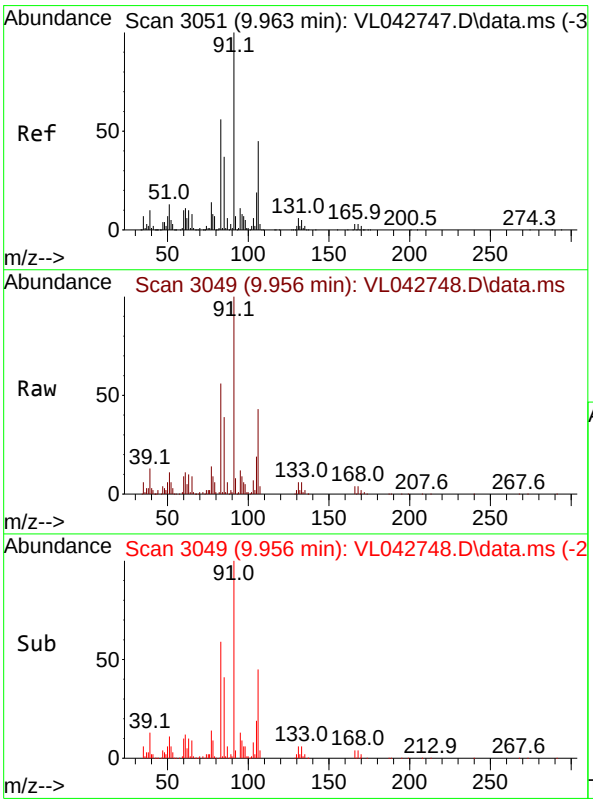
#59
m/p-Xylene
Concen: 1.758 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 91147

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

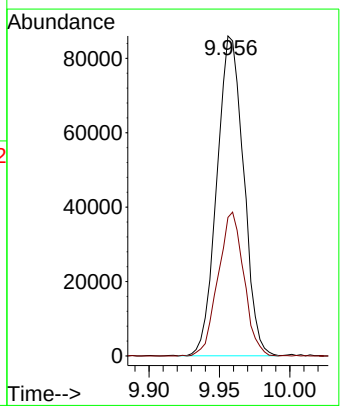


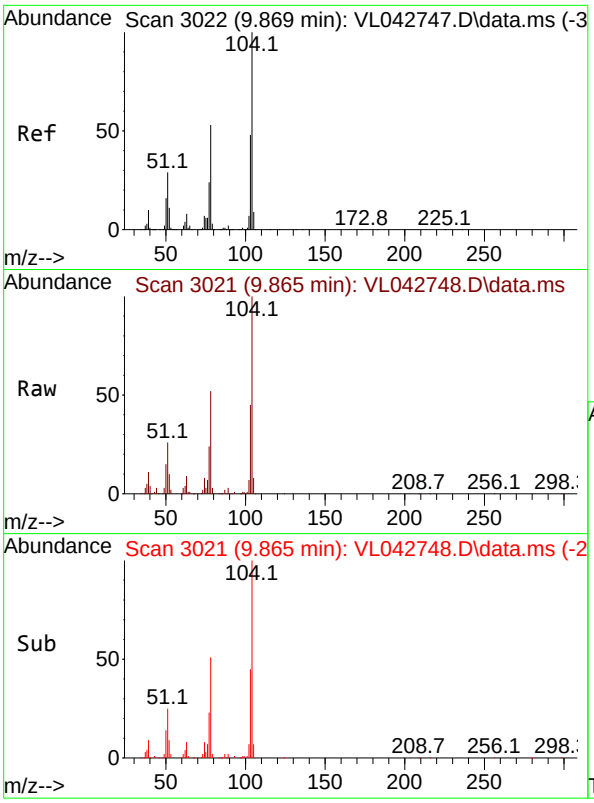


#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.0	66.0



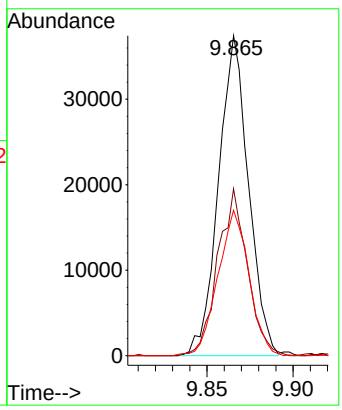


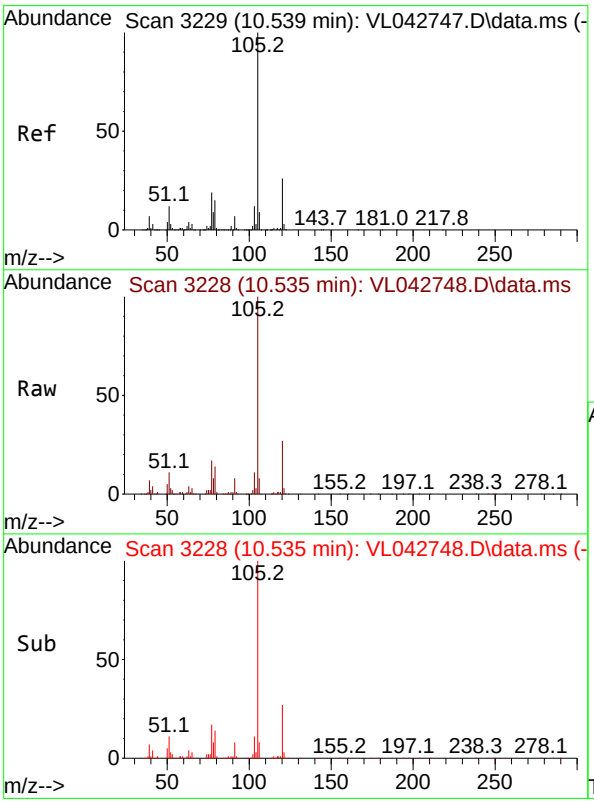
#61
Styrene
Concen: 2.081 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 45351

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.5	62.3
103	47.1	37.5	56.3

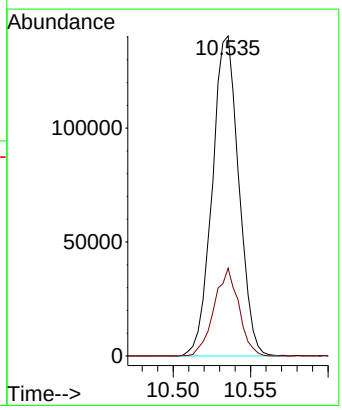


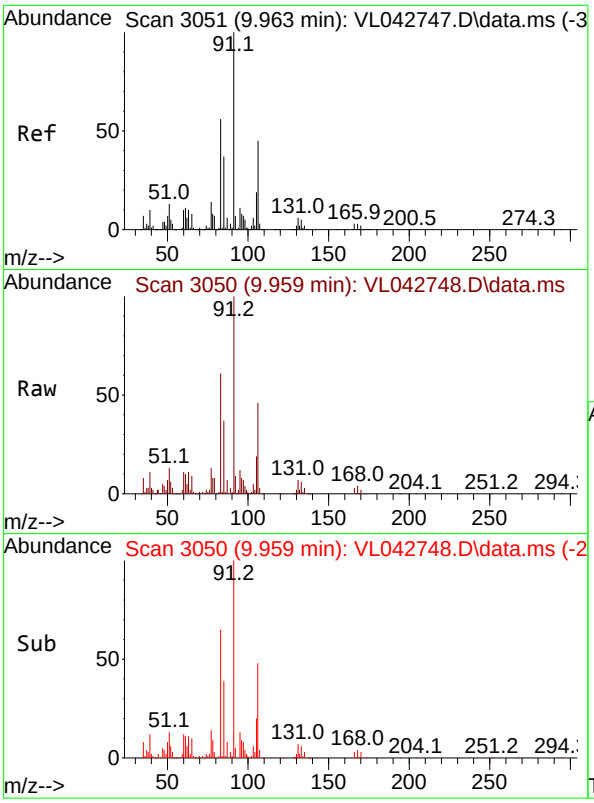


#62
Isopropylbenzene
Concen: 2.187 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 167108

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



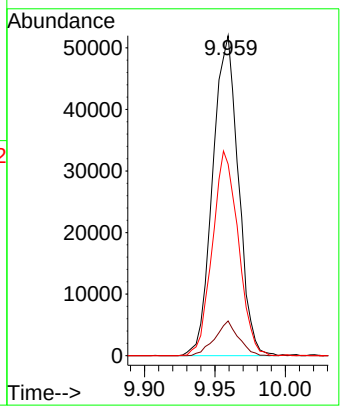


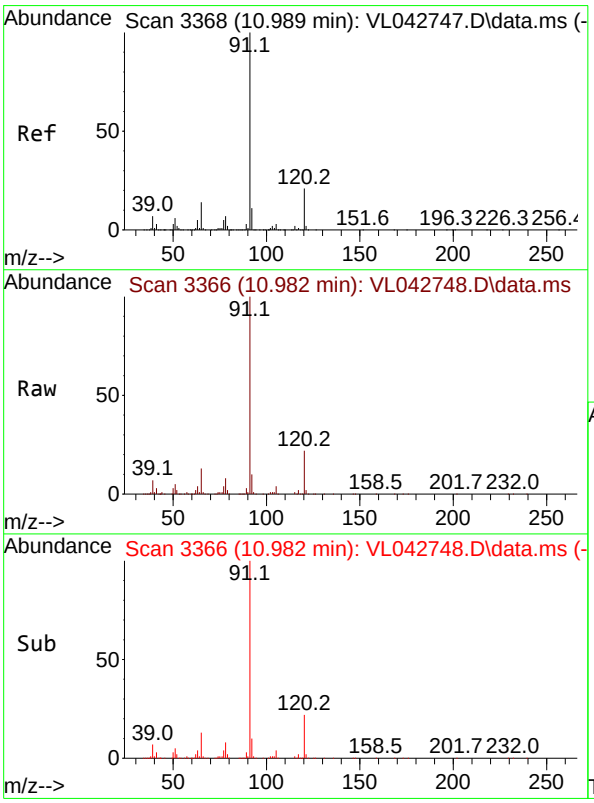
#63
1,1,2,2-Tetrachloroethane
Concen: 1.954 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 65928

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	64.7	32.6	97.7

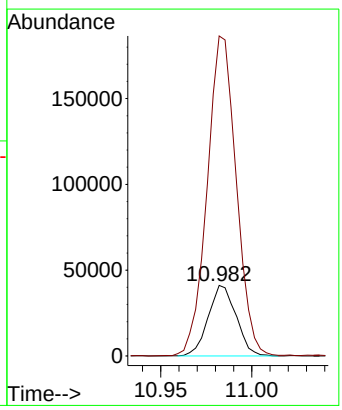


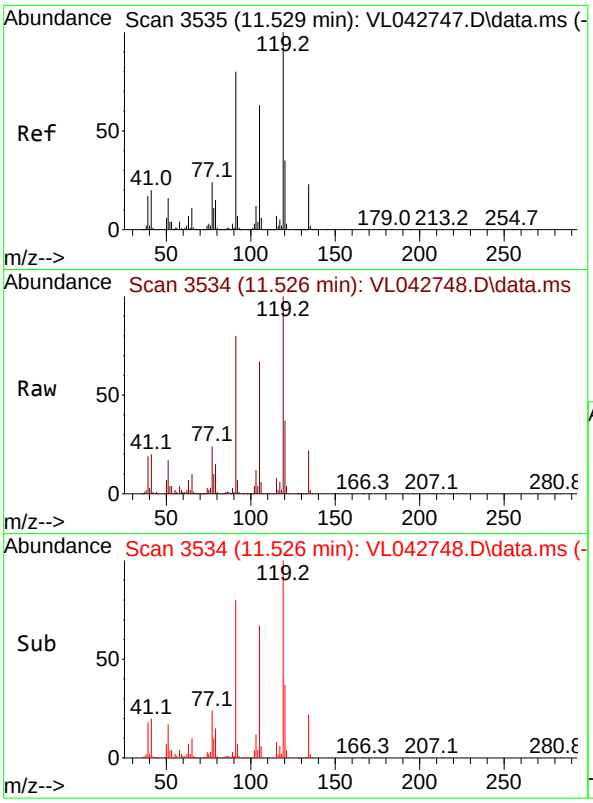


#64
n-propylbenzene
Concen: 2.198 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:120 Resp: 43789

Ion	Ratio	Lower	Upper
120	100		
91	472.1	372.7	559.1



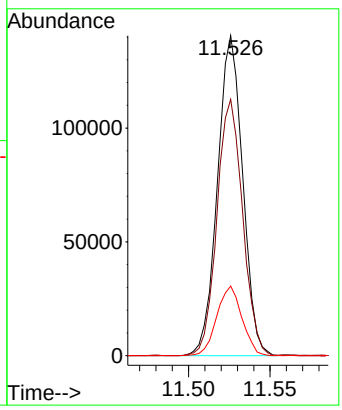


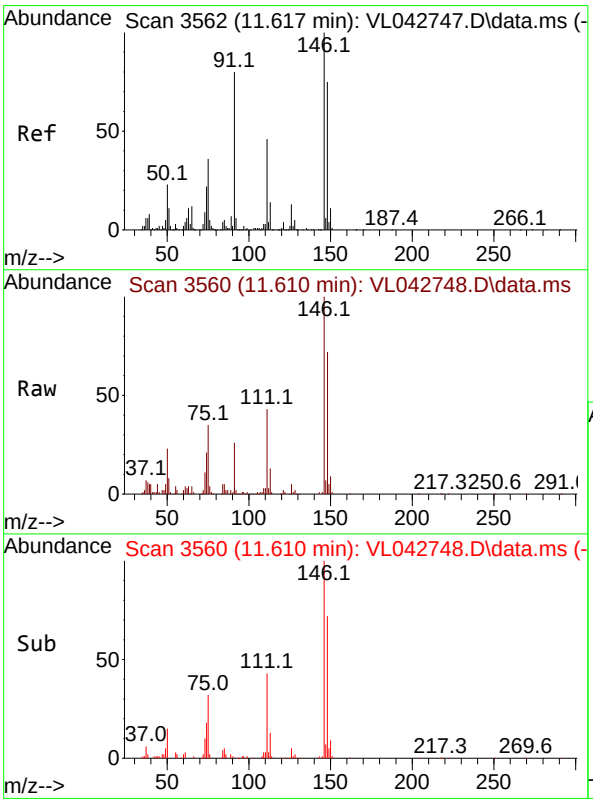
#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 151081

Ion	Ratio	Lower	Upper
119	100		
91	81.8	64.0	96.0
134	21.7	17.3	25.9

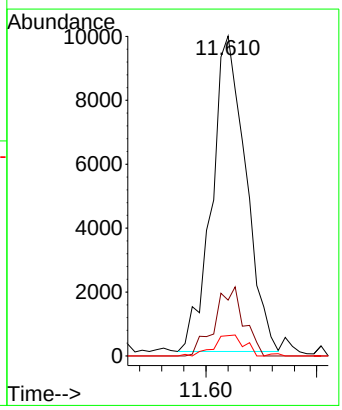


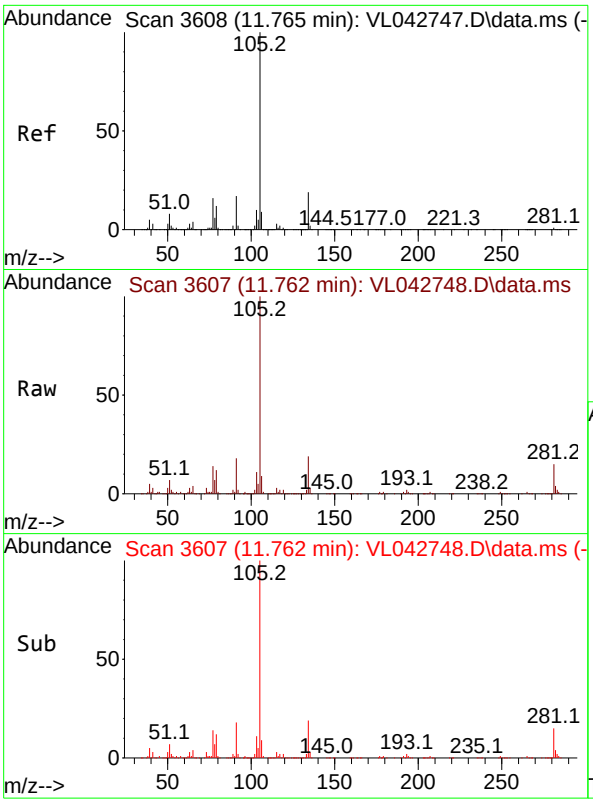


#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 10485

Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.4	21.6
128	6.2	5.2	7.8



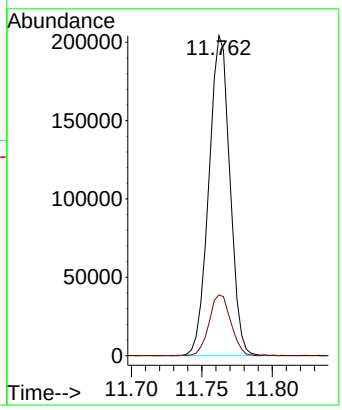


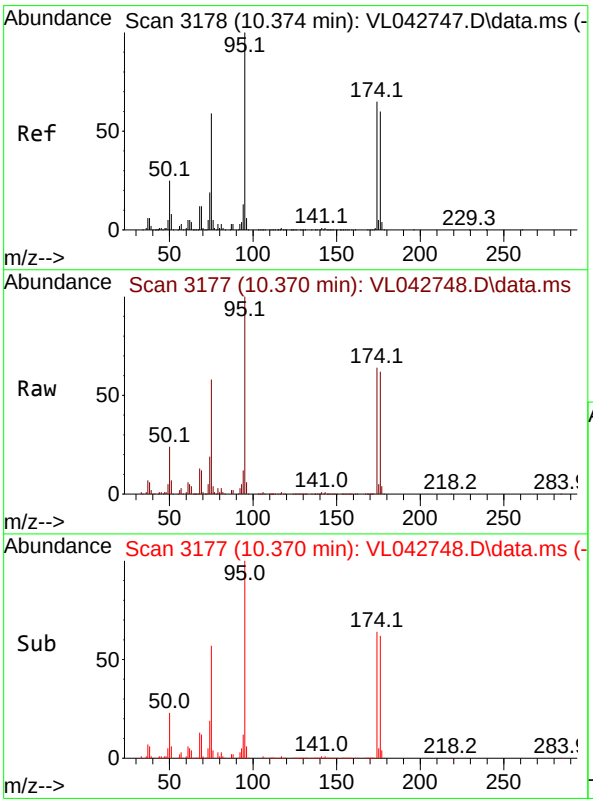
#67
sec-Butylbenzene
Concen: 2.206 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 212925

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

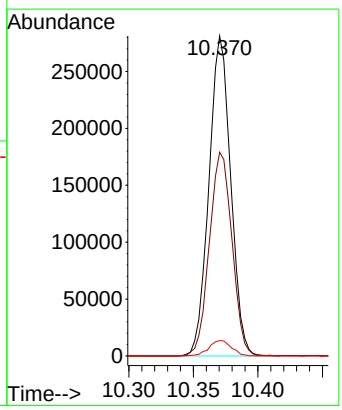


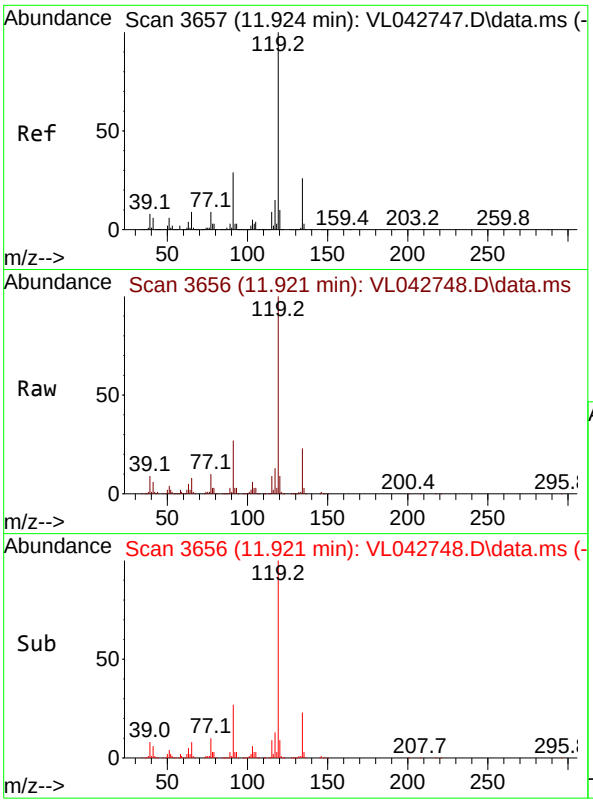


#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 95 Resp: 330476

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.0	4.0	6.0



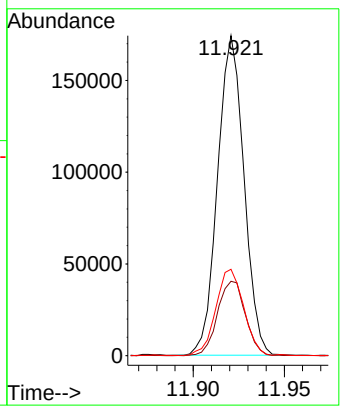


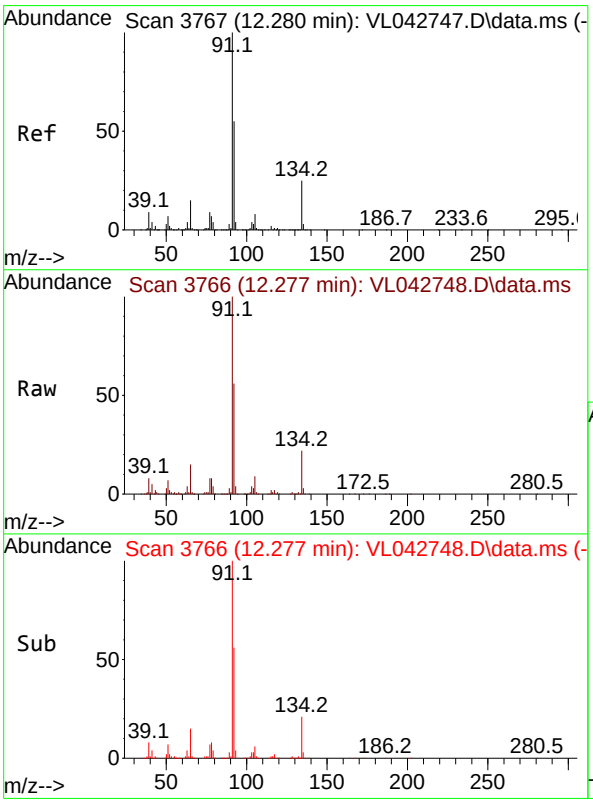
#69
p-Isopropyltoluene
Concen: 2.230 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 175553

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	29.0	23.2	34.8

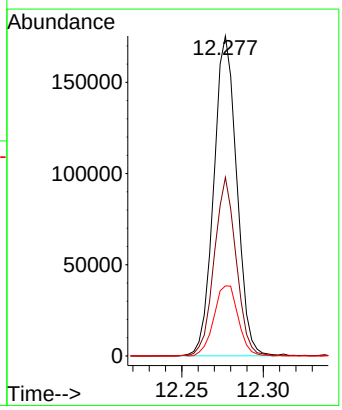


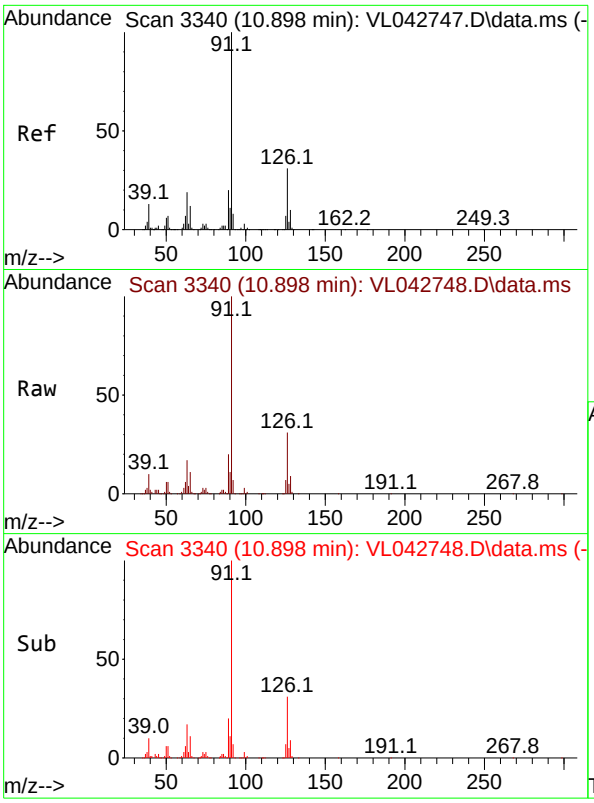


#70
n-Butylbenzene
Concen: 2.258 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 171675

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.4	65.2
134	23.4	19.6	29.4



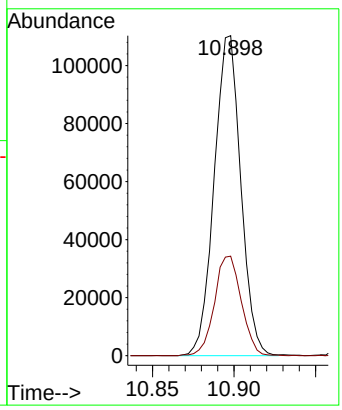


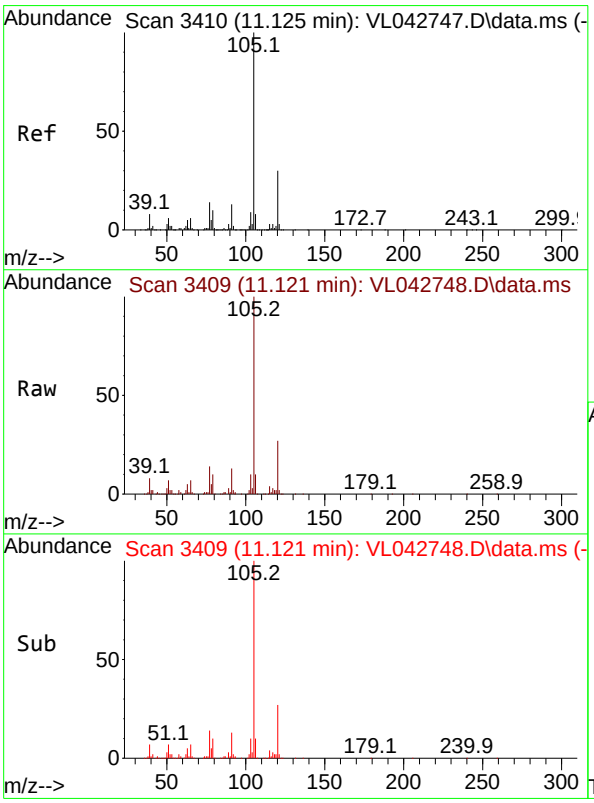
#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 125039

Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.0	48.2

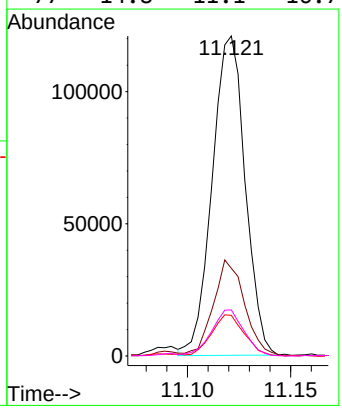


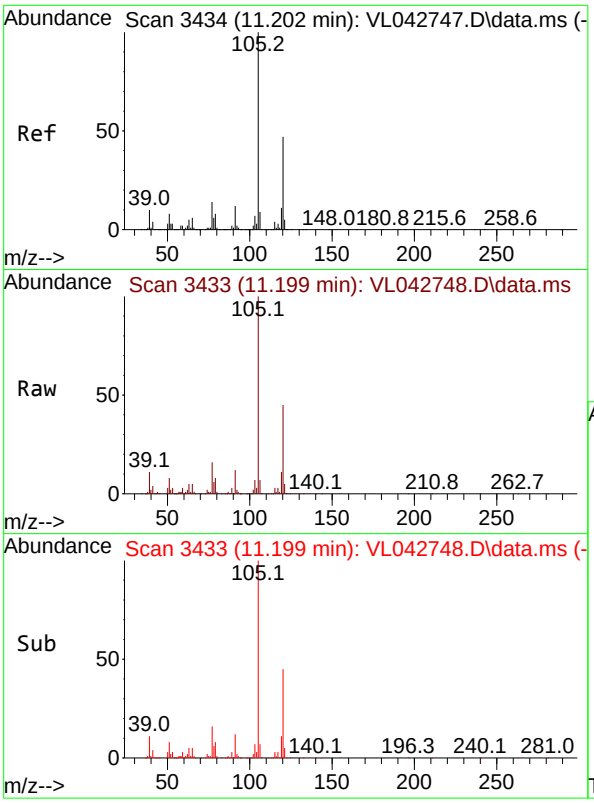


#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097

Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.4	36.6
91	13.7	10.6	15.8
77	14.8	11.1	16.7



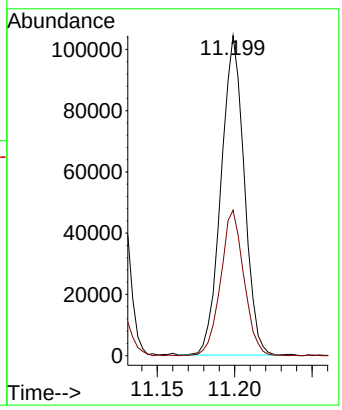


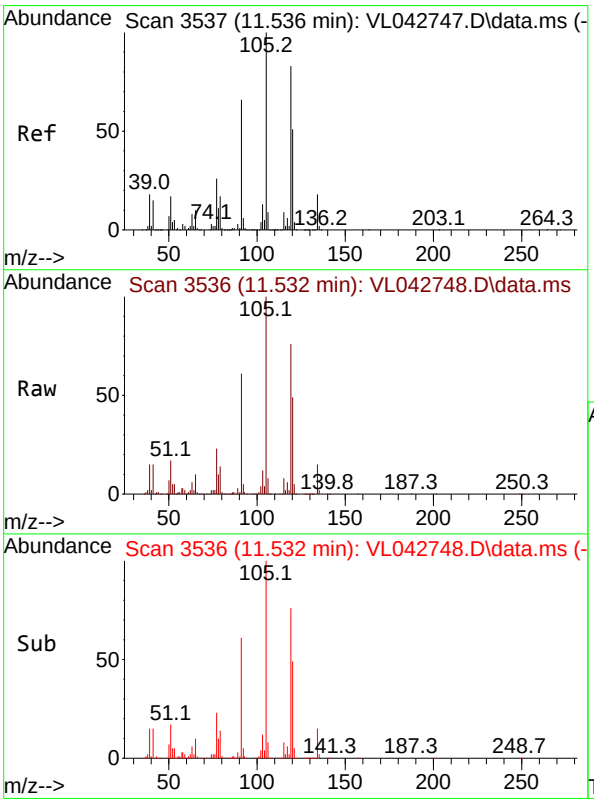
#73
1,3,5-Trimethylbenzene
Concen: 2.122 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 108055

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.8

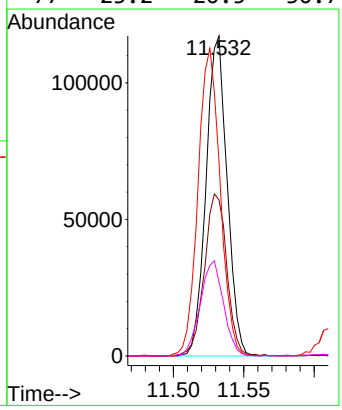


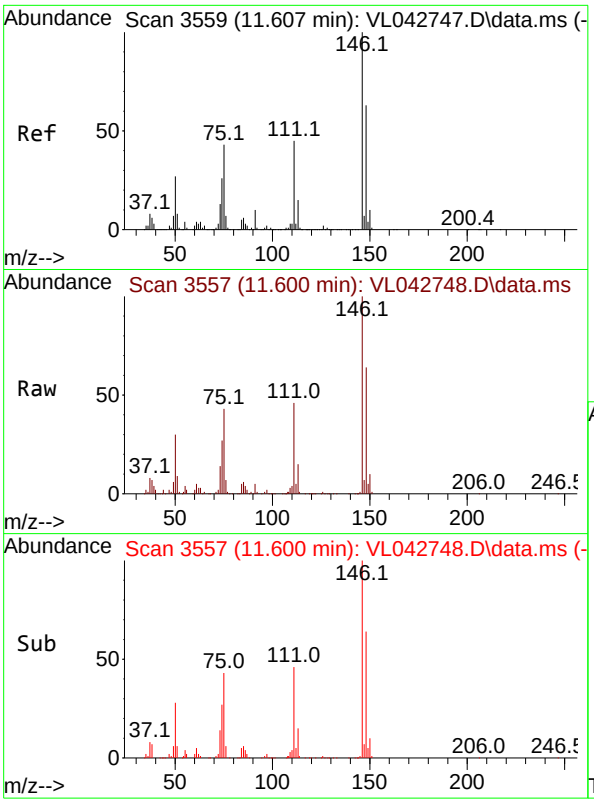


#74
1,2,4-Trimethylbenzene
Concen: 2.201 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295

Ion	Ratio	Lower	Upper
105	100		
120	48.6	40.8	61.2
91	60.6	53.0	79.4
77	23.2	20.5	30.7



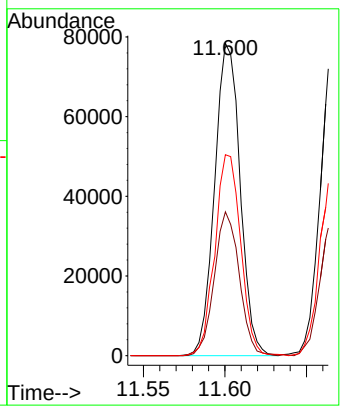


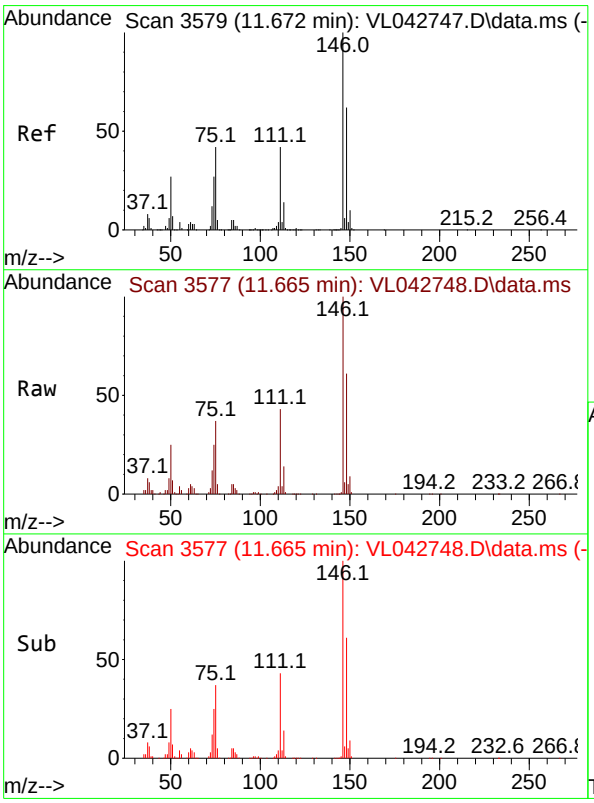
#75
1,3-Dichlorobenzene
Concen: 2.188 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 85254

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	65.2	31.9	95.5

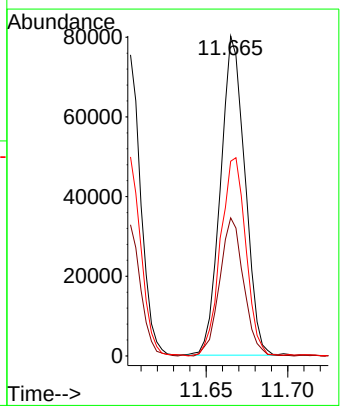


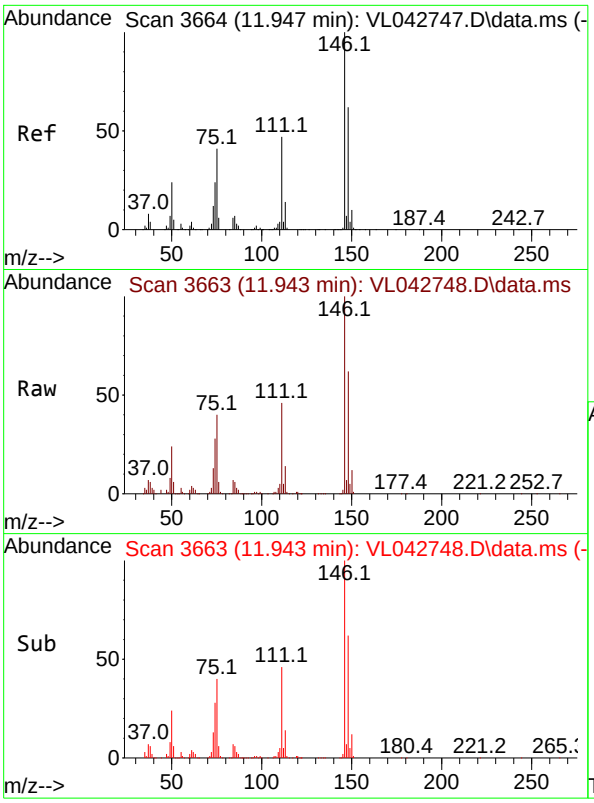


#76
1,4-Dichlorobenzene
Concen: 2.189 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 83440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	64.9	32.1	96.3



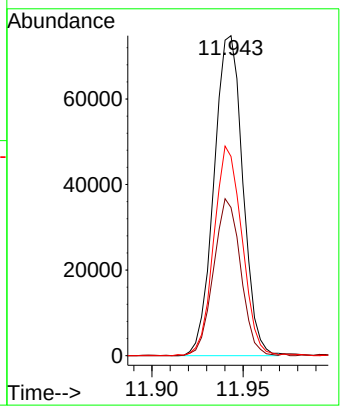


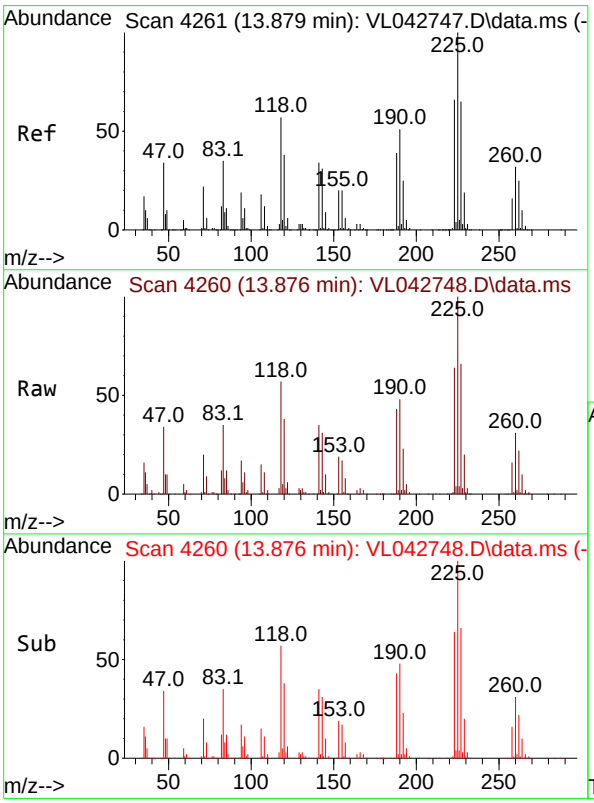
#77
1,2-Dichlorobenzene
Concen: 2.150 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 82311

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.7	71.1
148	64.3	32.6	97.7

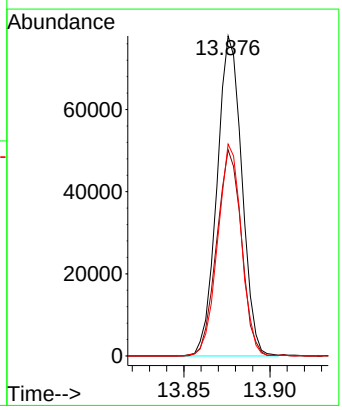


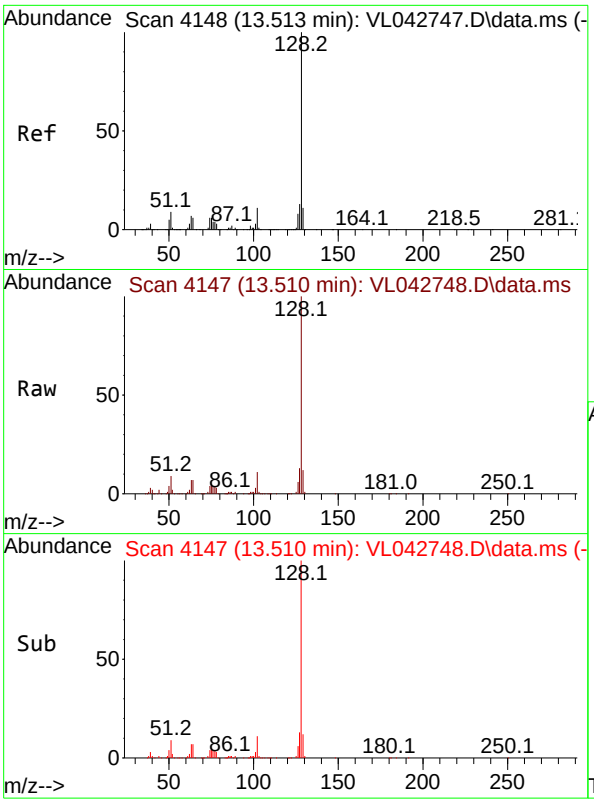


#78
Hexachloro-1,3-Butadiene
Concen: 2.259 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:225 Resp: 78291

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	63.3	50.5	75.7



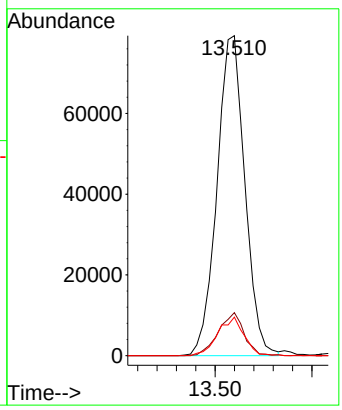


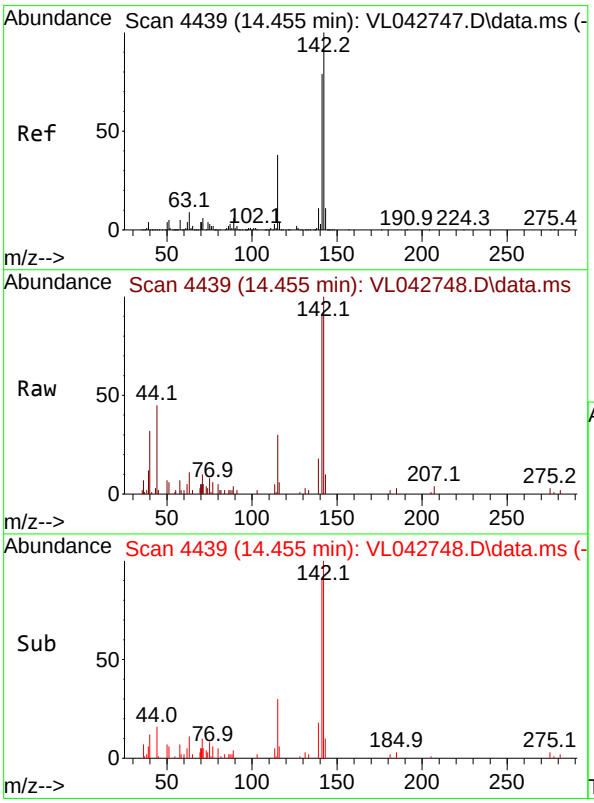
#79
Naphthalene
Concen: 1.690 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 79191

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.1	8.6	13.0

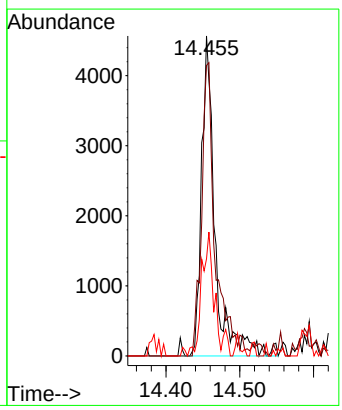


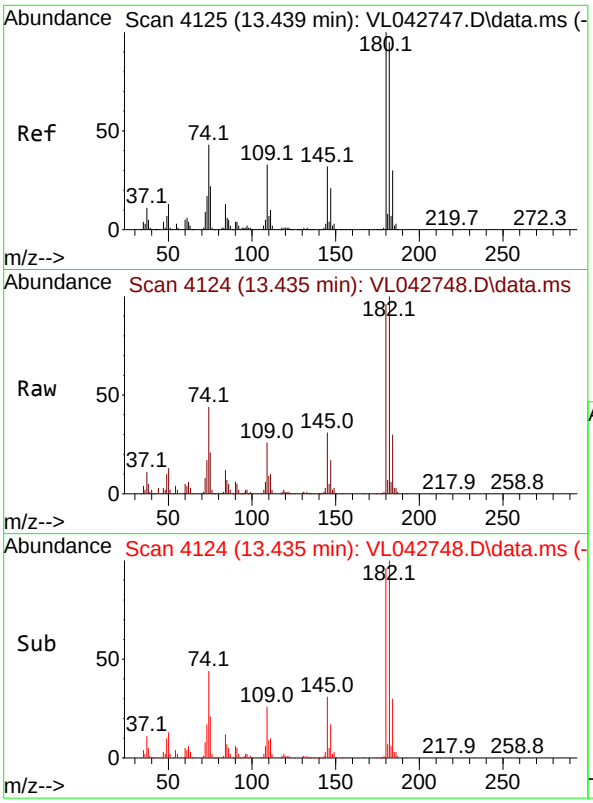


#80
Naphthalene,2-methyl-
Concen: 1.298 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851

Ion	Ratio	Lower	Upper
142	100		
141	94.9	65.8	98.8
115	40.3	31.2	46.8



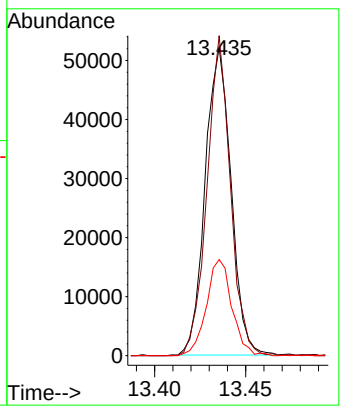


#81
1,2,4-Trichlorobenzene
Concen: 1.888 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 51515

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	30.9	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156293	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	327673	10.091	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv		93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv		99
4) Chloromethane	1.531	50	9047	1.082	ppbv		96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv		96
6) Bromomethane	1.667	94	3743	1.172	ppbv	#	71
7) Chloroethane	1.703	64	3061	0.959	ppbv		99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv		98
9) Propene	1.483	41	10346	1.057	ppbv		95
10) Heptane	4.975	43	12823	0.487	ppbv	#	29
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv		97
13) Ethanol	1.719	45	1698	1.331	ppbv		88
14) Bromoethene	1.780	108	5928	1.034	ppbv	#	92
15) Acetone	1.832	43	23119	1.071	ppbv		94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv		98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv		95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv	#	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv		90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv		92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv		89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv		99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv		97
26) Hexane	2.823	57	22279	1.063	ppbv		98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv	#	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv		90
29) Chloroform	2.845	83	32880	1.015	ppbv		95
30) Cyclohexane	3.852	84	17824	1.003	ppbv		97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv		97
34) 2-Butanone	2.554	43	32783	1.007	ppbv		98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv		92
36) Benzene	3.651	78	44638	1.024	ppbv		98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv	#	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv		93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv		94
40) 1,4-Dioxane	4.587	88	4184	0.552	ppbv	#	21
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv		97
42) Bromodichloromethane	4.486	83	13285	0.388	ppbv		99
43) Methyl Methacrylate	4.868	69	7135	0.461	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	4937	0.284	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9670	0.439	ppbv	#	94
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv	#	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv		99
49) Bromoform	9.474	173	23083	0.973	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	20247	0.488	ppbv	#	40
51) 2-Hexanone	7.435	43	29761	0.939	ppbv	#	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv		96
53) Toluene	6.927	91	45645	0.976	ppbv		98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv		94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv	#	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv		98
59) m/p-Xylene	9.545	91	43966	0.849	ppbv	#	3
60) o-Xylene	9.959	91	52499	1.015	ppbv		99
61) Styrene	9.865	104	20313	0.934	ppbv		97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv		100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv		95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv		95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv		96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv		99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv		98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv		98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv		100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv		99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv		97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv		97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv		98
79) Naphthalene	13.510	128	29792	0.907	ppbv		97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv	#	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv		98

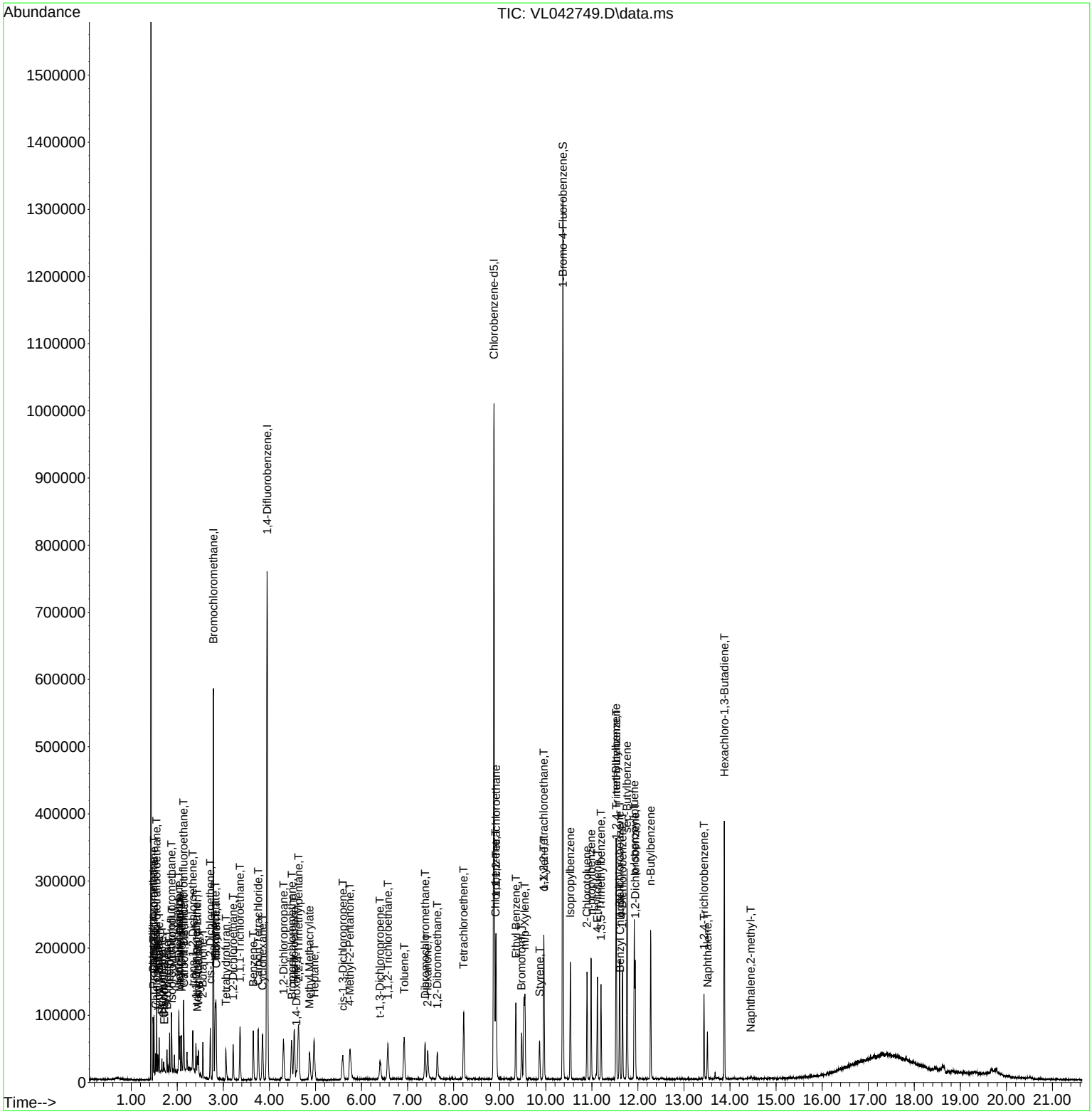
(#) = qualifier out of range (m) = manual integration (+) = signals summed

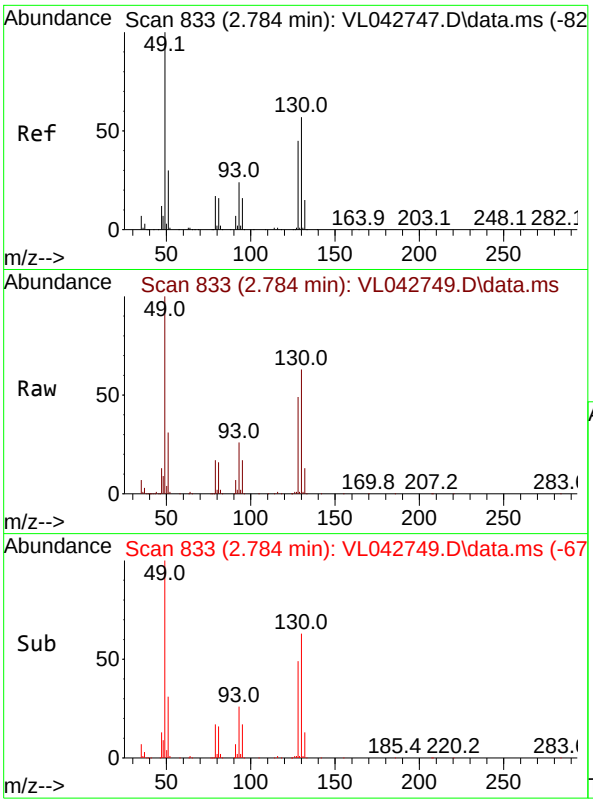
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



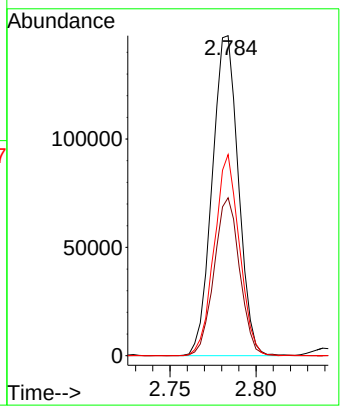


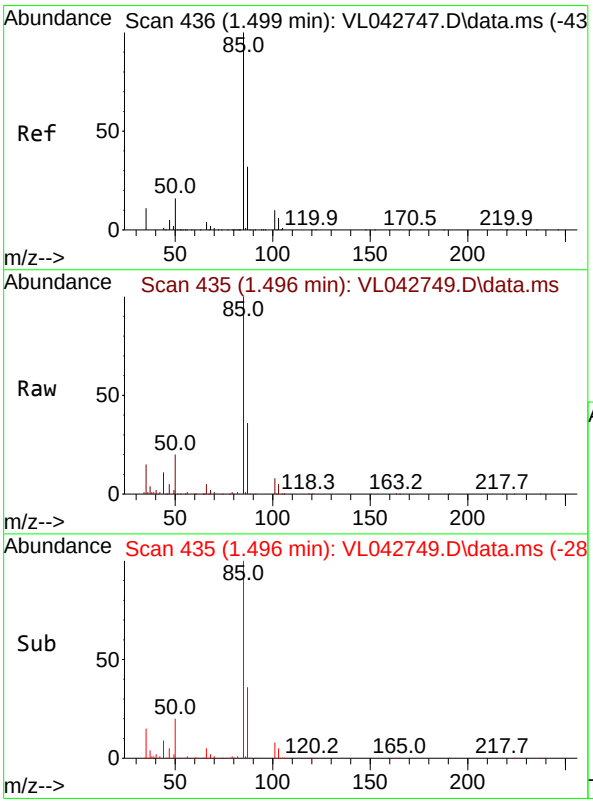
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 156293

Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.6	71.0
130	60.4	30.3	90.8

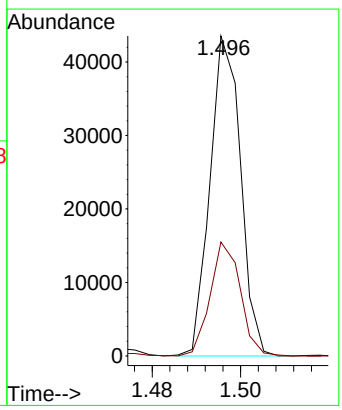


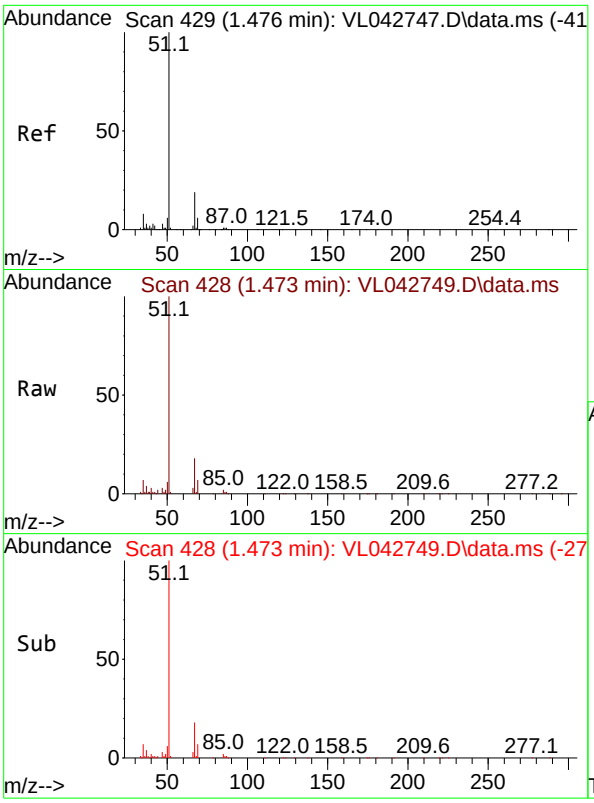


#2
Dichlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 20935

Ion	Ratio	Lower	Upper
85	100		
87	35.6	25.4	38.2



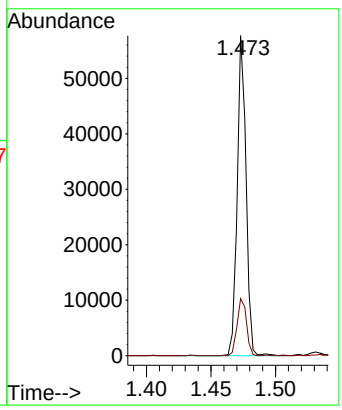


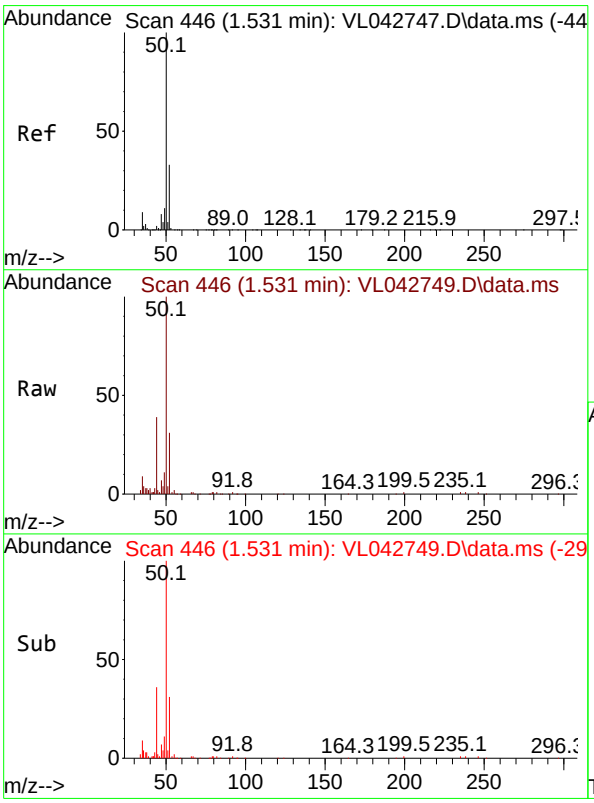
#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 27459

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.0	22.6

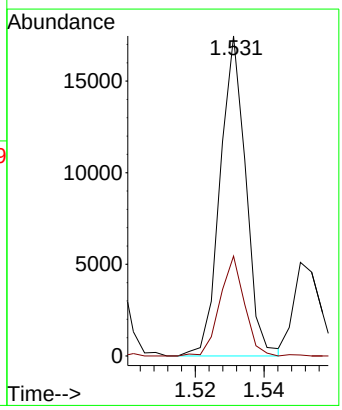


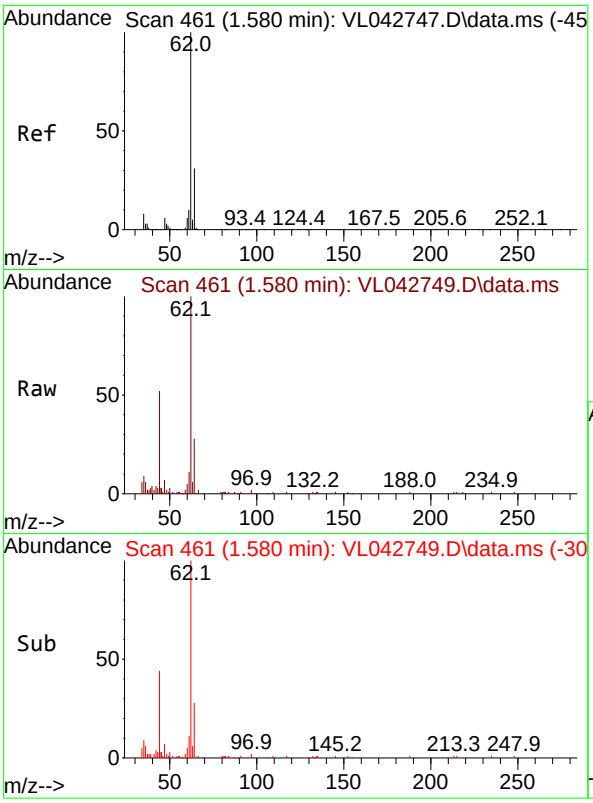


#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 50 Resp: 9047

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.6	40.0



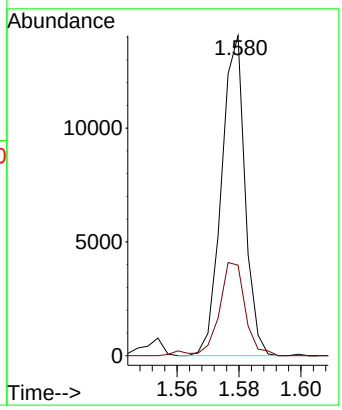


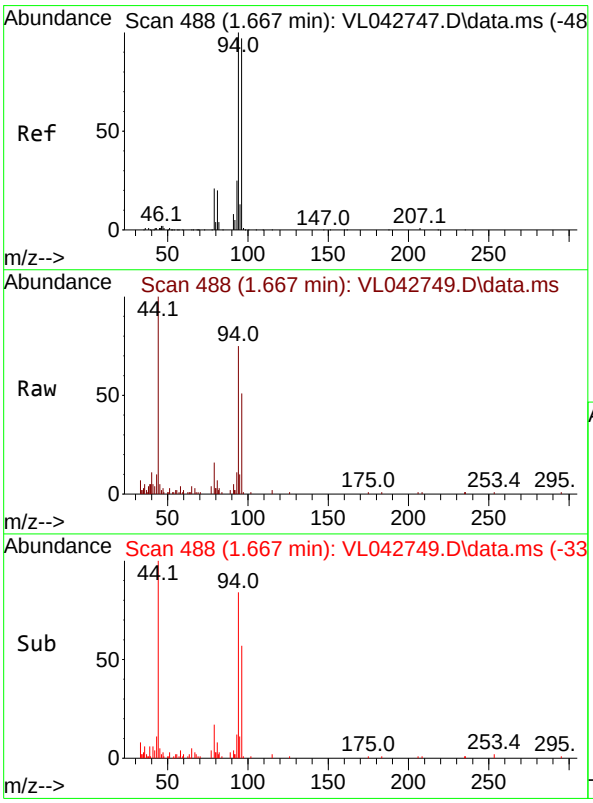
#5
Vinyl Chloride
Concen: 0.900 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 7432

Ion	Ratio	Lower	Upper
62	100		
64	28.3	24.5	36.7

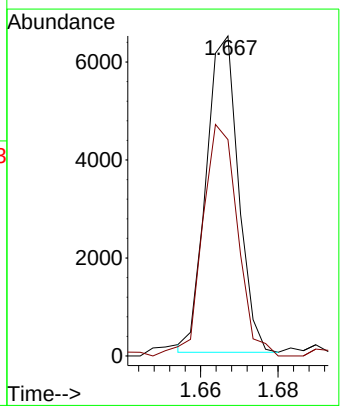


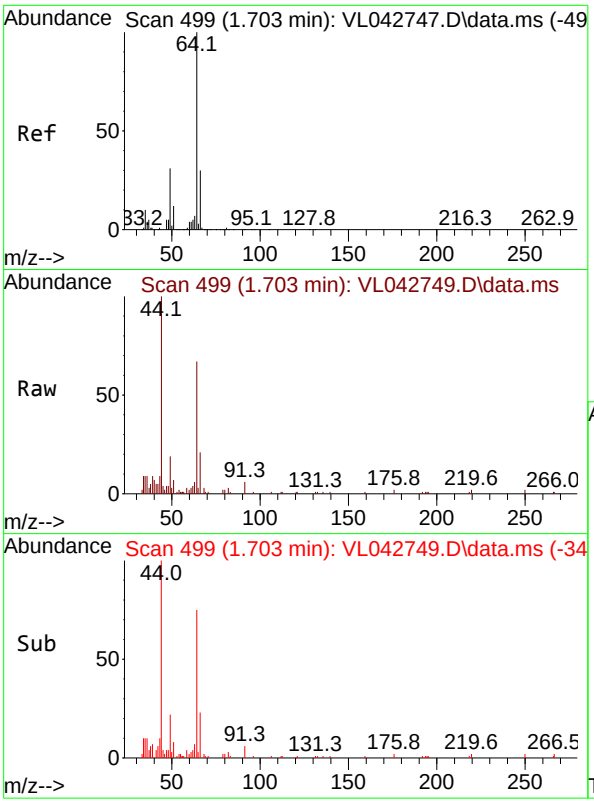


#6
Bromomethane
Concen: 1.172 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743

Ion	Ratio	Lower	Upper
94	100		
96	68.4	77.6	116.4#



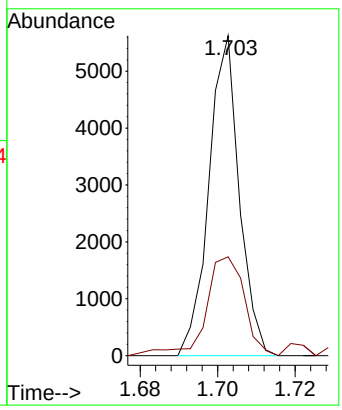


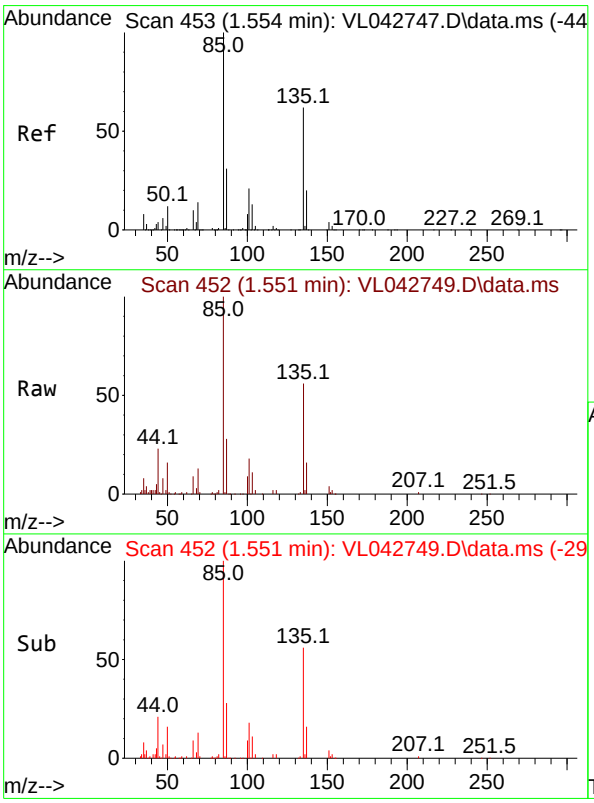
#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 3061

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.1	36.1

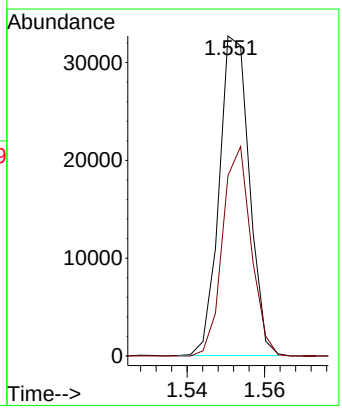


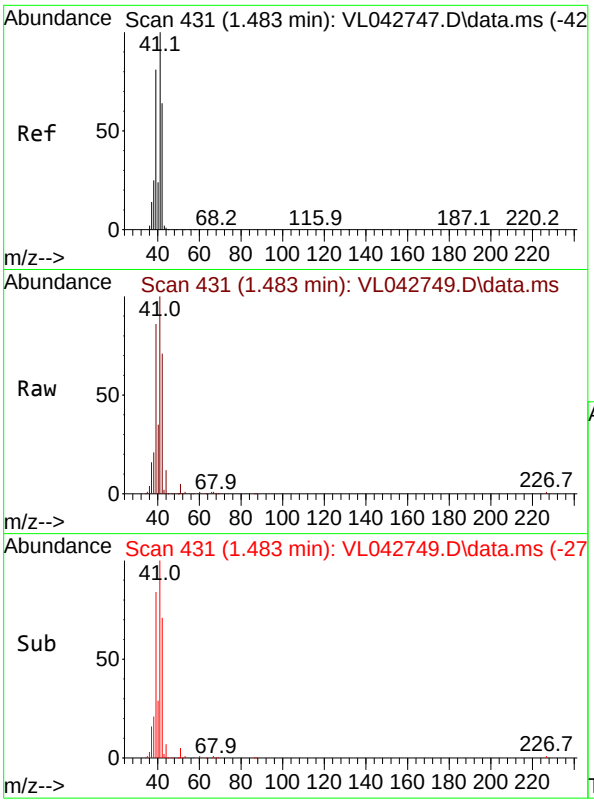


#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668

Ion	Ratio	Lower	Upper
85	100		
135	62.1	50.6	76.0



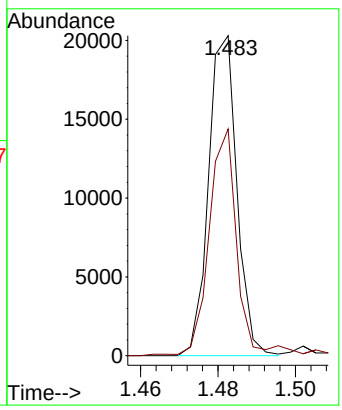


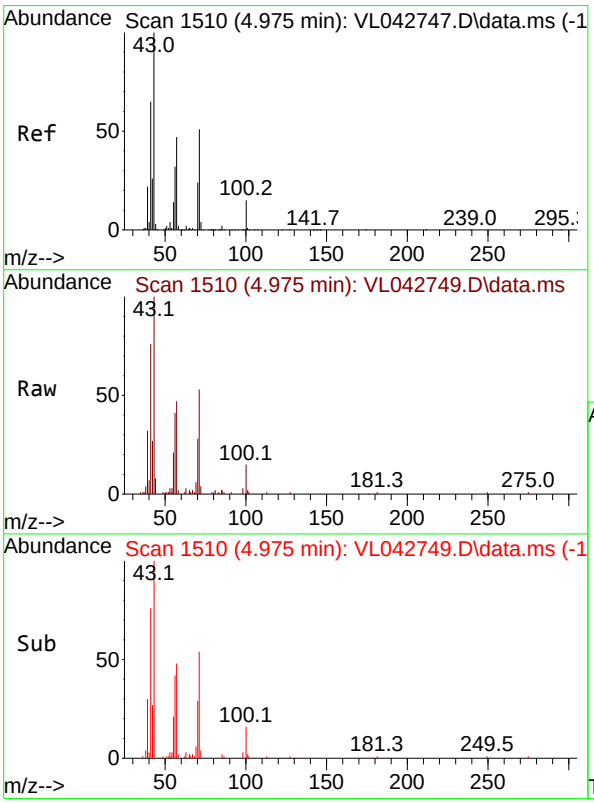
#9
Propene
Concen: 1.057 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 10346

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.2	79.8

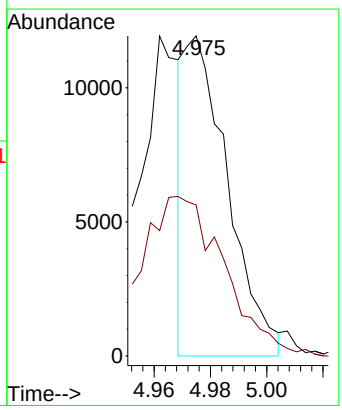


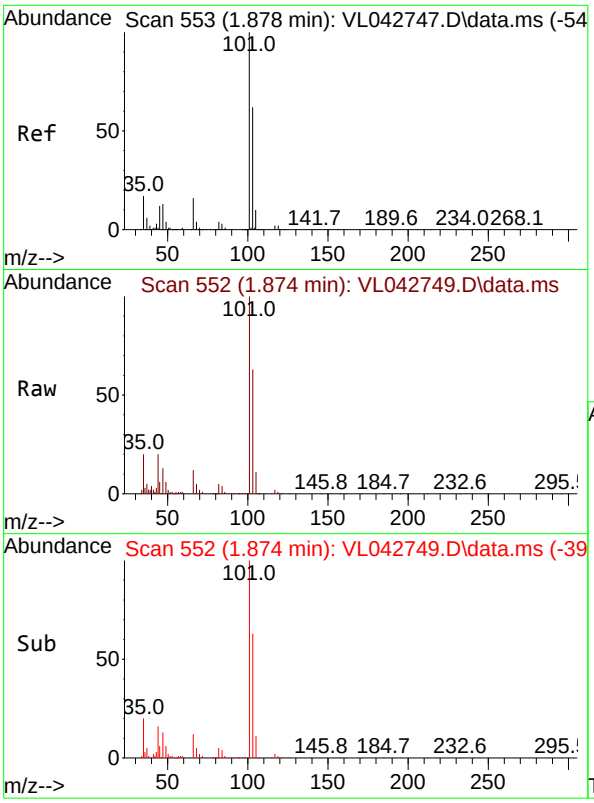


#10
Heptane
Concen: 0.487 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 12823

Ion	Ratio	Lower	Upper
43	100		
57	98.9	39.9	59.9#



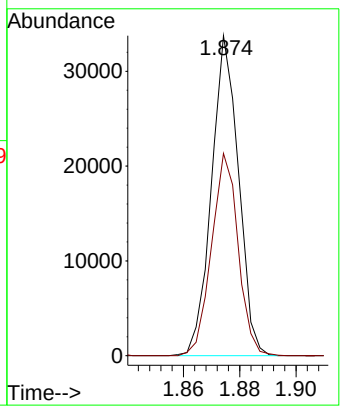


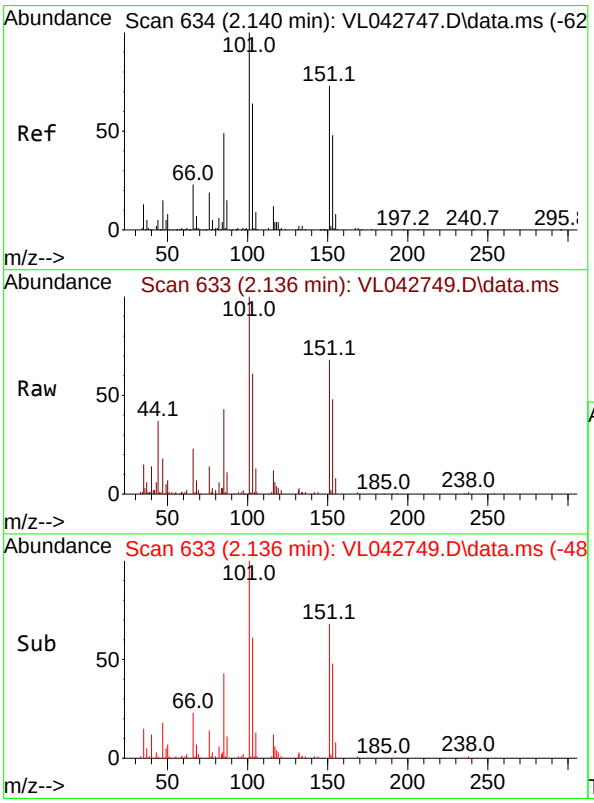
#11
Trichlorofluoromethane
Concen: 1.053 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 22428

Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.6	74.4

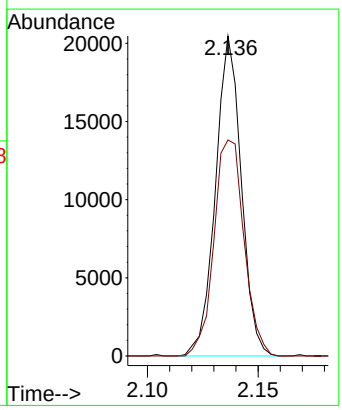


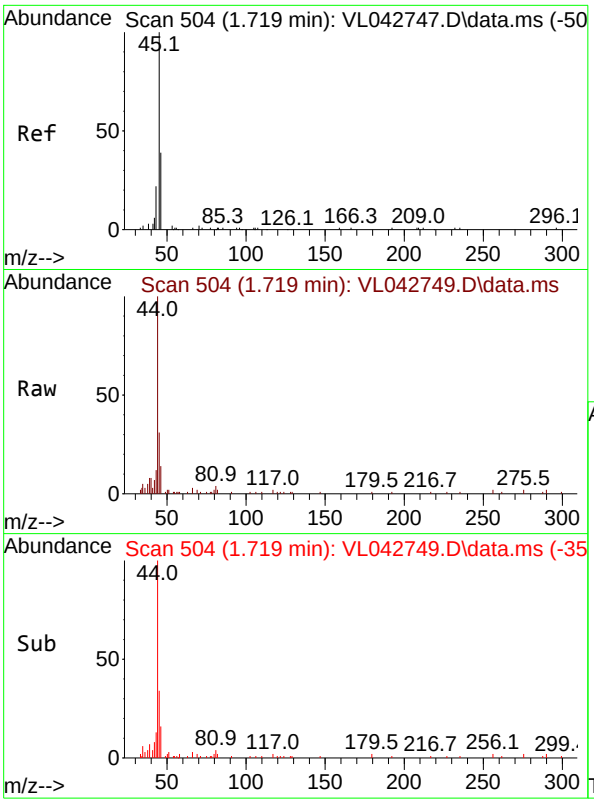


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.026 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 16608

Ion	Ratio	Lower	Upper
101	100		
151	78.6	60.5	90.7



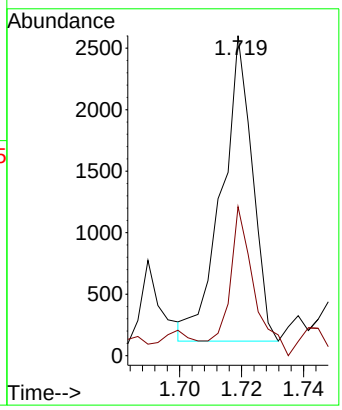


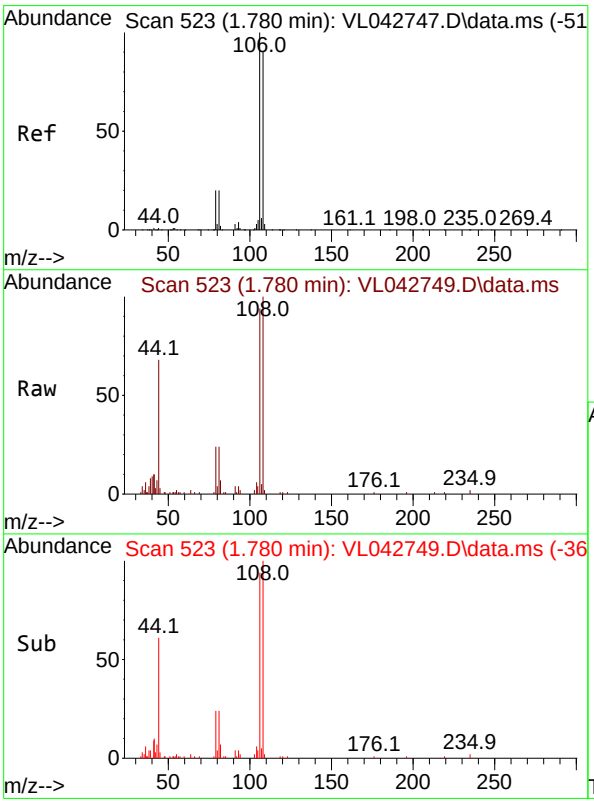
#13
Ethanol
Concen: 1.331 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1698

Ion	Ratio	Lower	Upper
45	100		
46	36.6	17.8	71.4

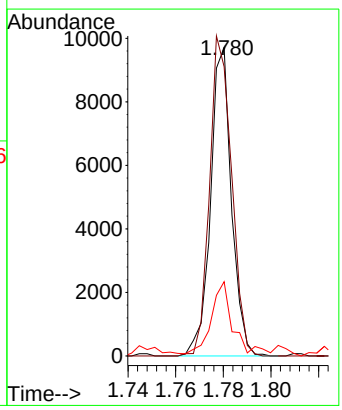


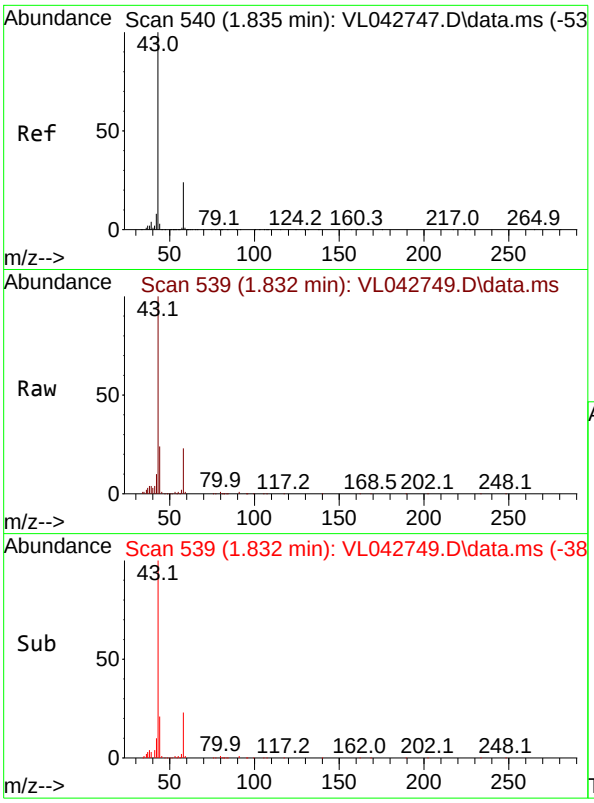


#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:108 Resp: 5928

Ion	Ratio	Lower	Upper
108	100		
106	108.7	84.7	127.1
79	38.6	17.4	26.2#



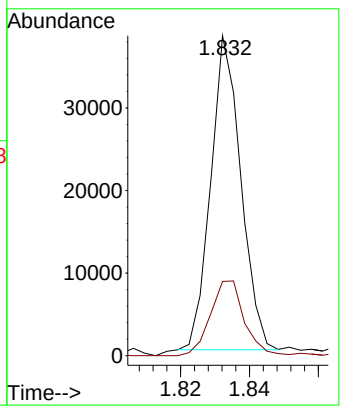


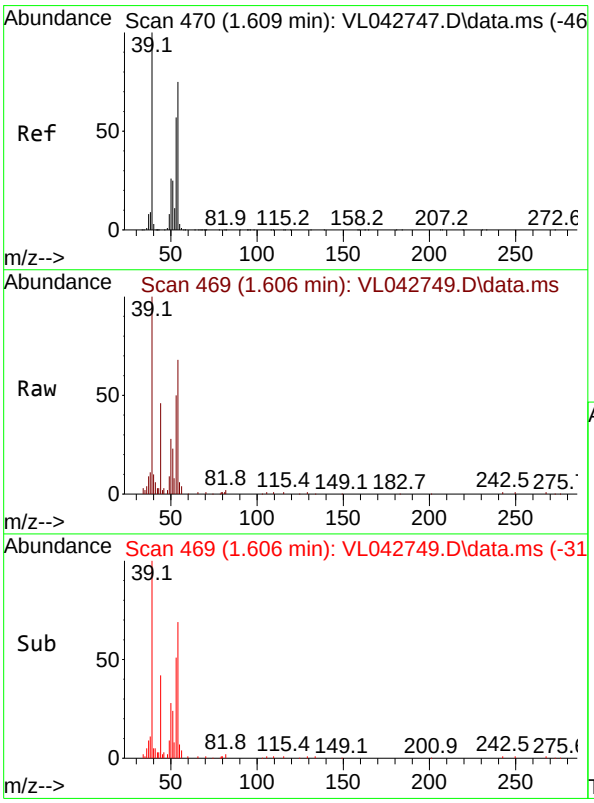
#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23119

Ion	Ratio	Lower	Upper
43	100		
58	27.7	19.8	29.8

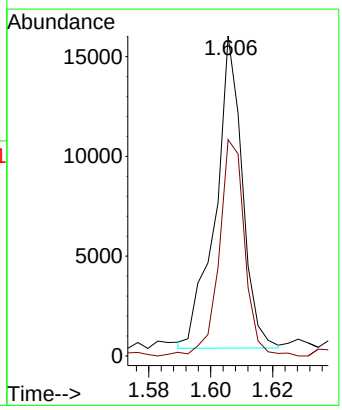


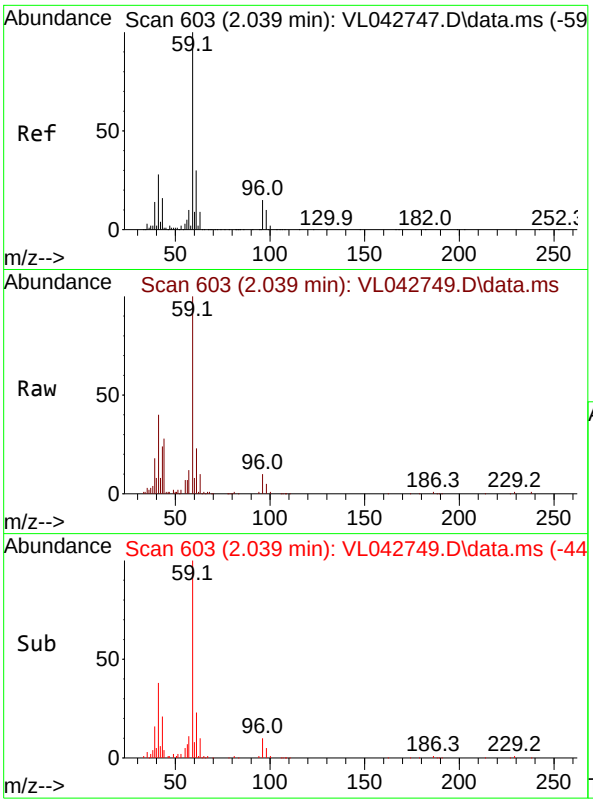


#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 39 Resp: 9416

Ion	Ratio	Lower	Upper
39	100		
54	69.7	54.5	81.7



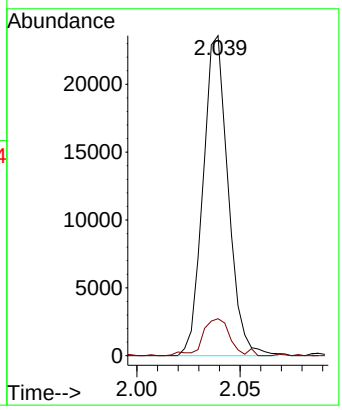


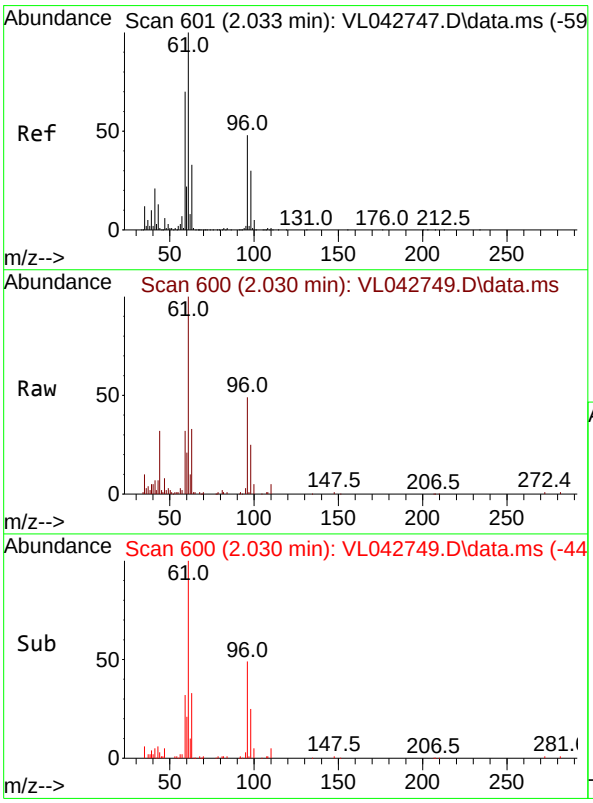
#17
tert-Butyl alcohol
Concen: 1.024 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 19926

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#

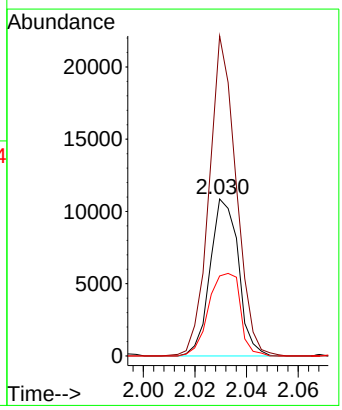


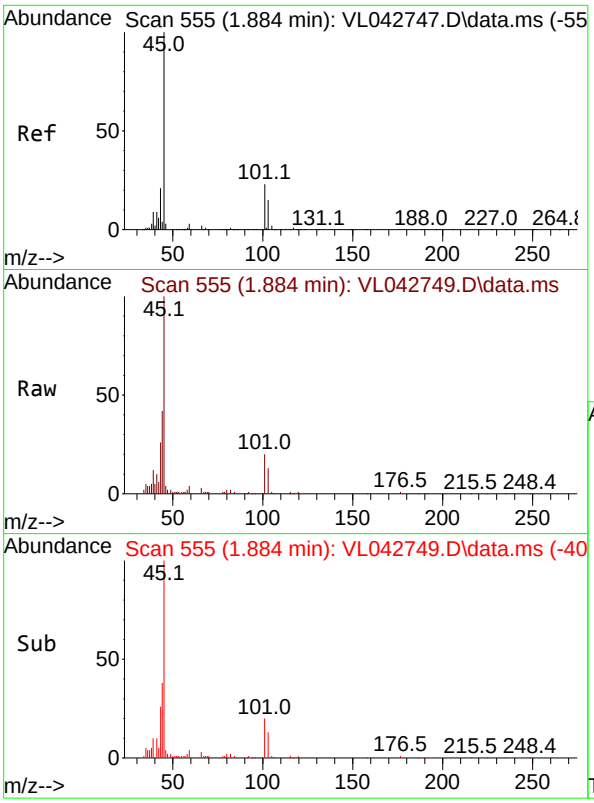


#18
1,1-Dichloroethene
Concen: 1.132 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 8276

Ion	Ratio	Lower	Upper
96	100		
61	203.0	165.8	248.6
98	51.0	49.9	74.9



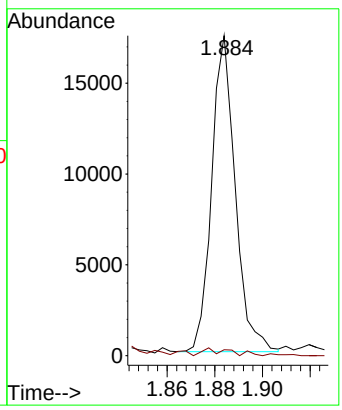


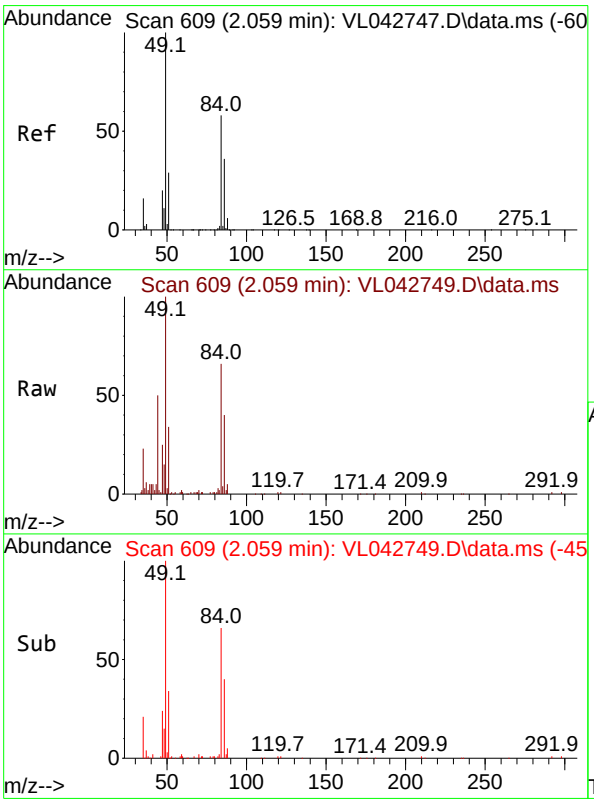
#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 11942

Ion	Ratio	Lower	Upper
45	100		
58	2.8	30.0	45.0#

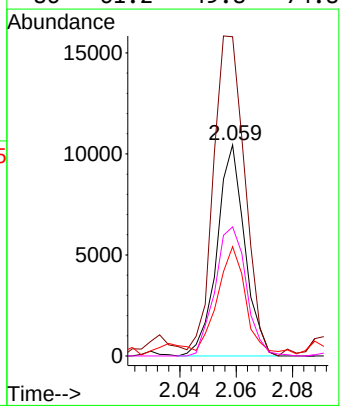


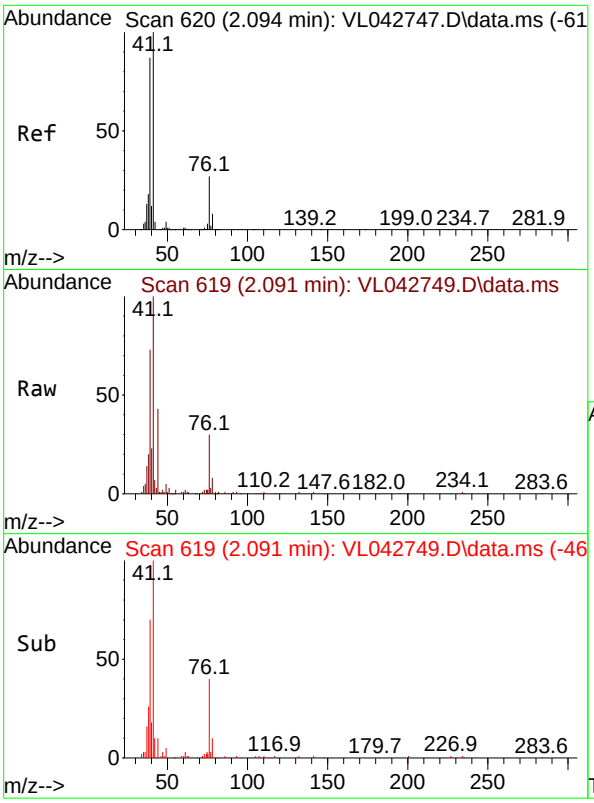


#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 7153

Ion	Ratio	Lower	Upper
84	100		
49	151.3	138.6	208.0
51	50.2	40.6	61.0
86	61.2	49.8	74.8



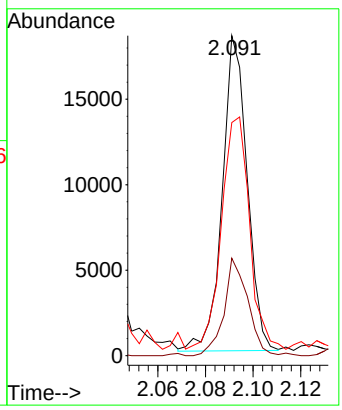


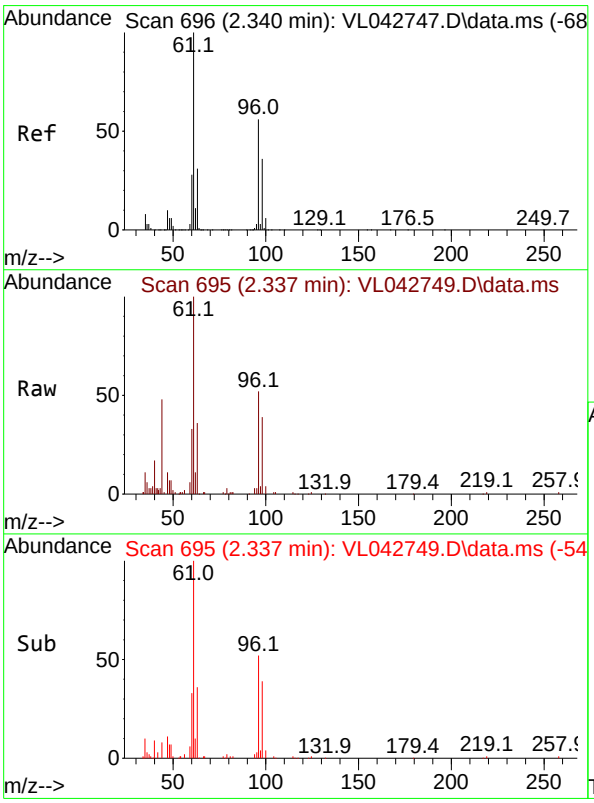
#21
Allyl Chloride
Concen: 1.006 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 13382

Ion	Ratio	Lower	Upper
41	100		
76	30.1	21.1	31.7
39	93.4	68.3	102.5

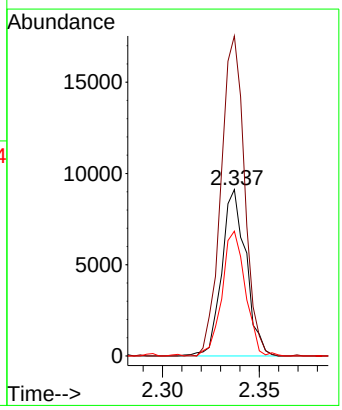


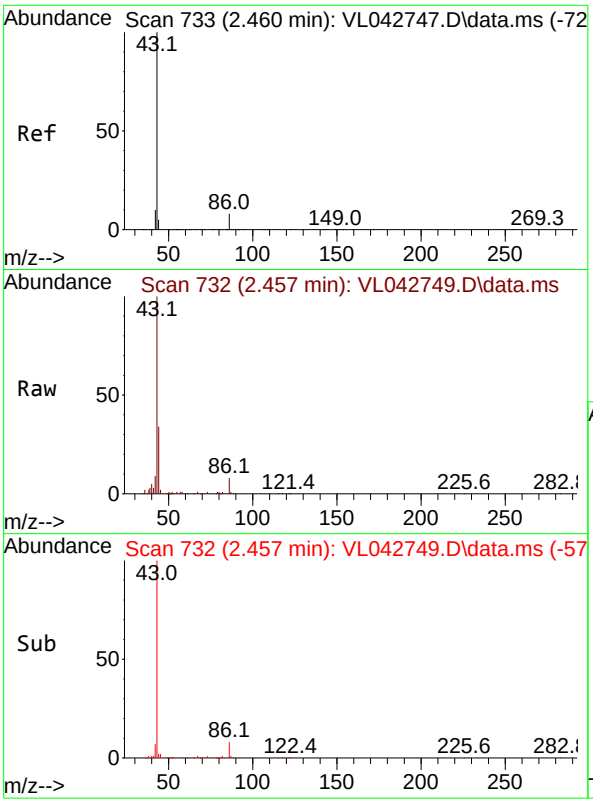


#22
trans-1,2-Dichloroethene
Concen: 1.007 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 7909

Ion	Ratio	Lower	Upper
96	100		
61	192.3	142.3	213.5
98	74.2	50.6	76.0



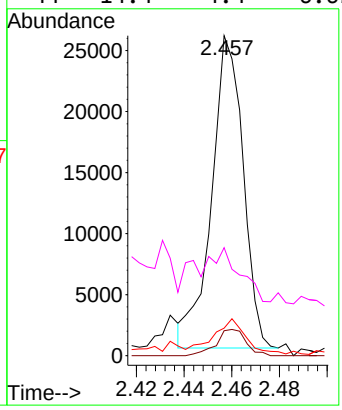


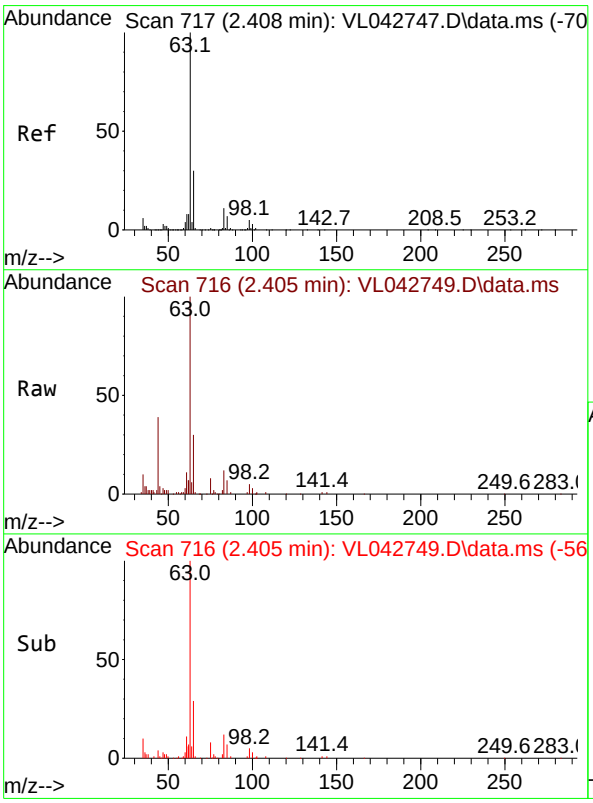
#23
Vinyl Acetate
Concen: 0.897 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23472

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	7.5	7.8	11.8#
44	14.4	4.4	6.6#

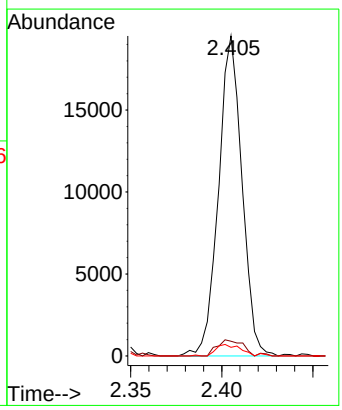


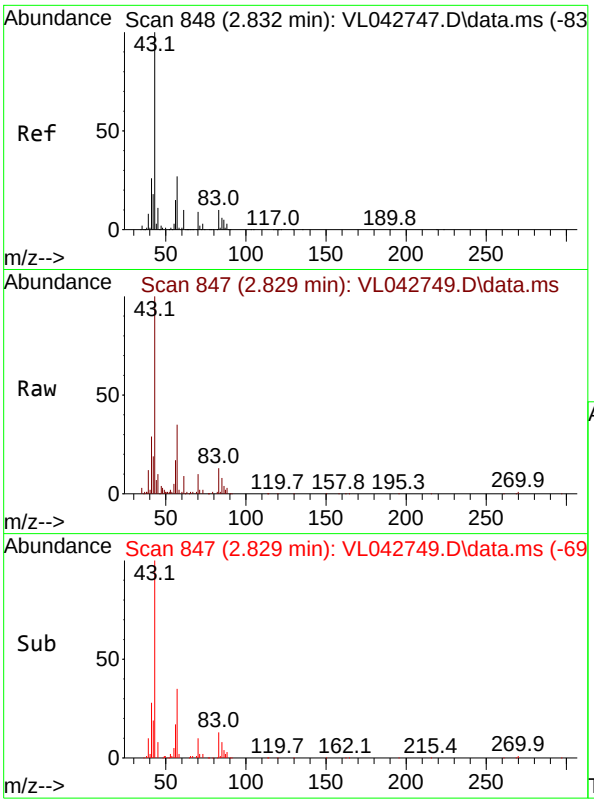


#24
1,1-Dichloroethane
Concen: 1.081 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 17459

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.4
100	2.7	1.6	4.8



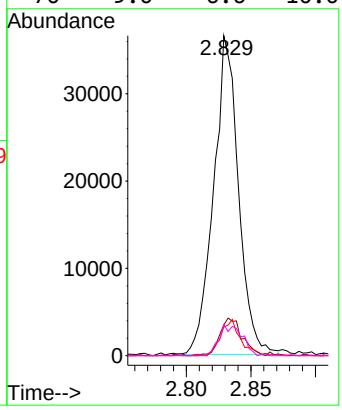


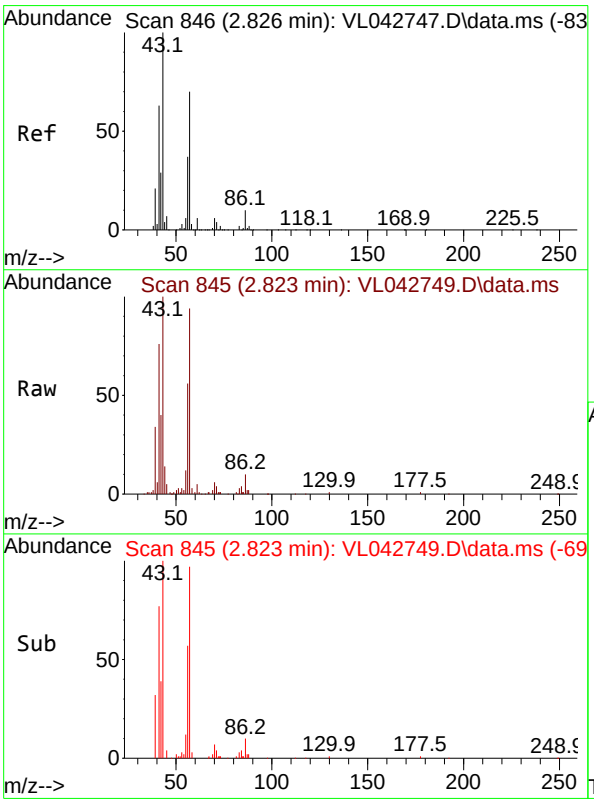
#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 48790

Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.6
61	9.3	6.7	10.1
70	9.0	6.6	10.0

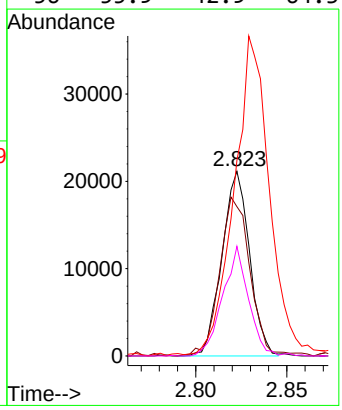


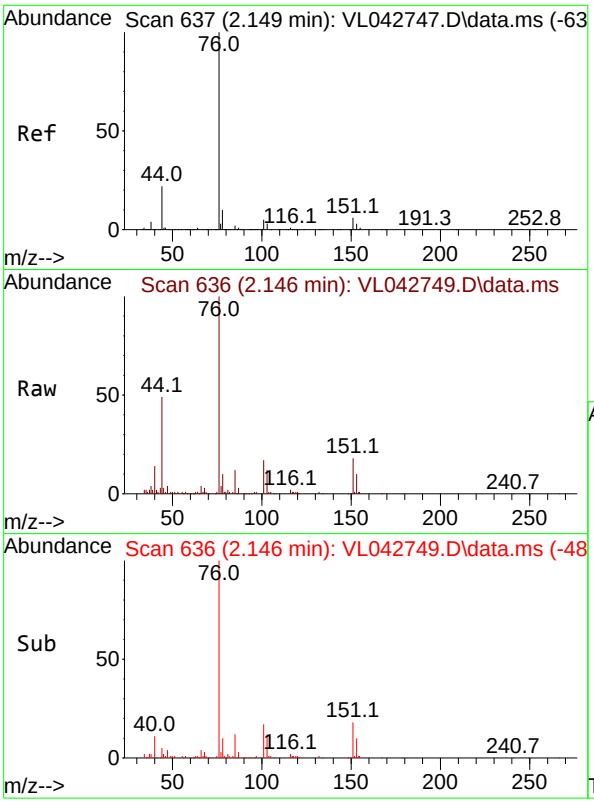


#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 22279

Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.4	113.2
43	230.7	185.0	277.6
56	55.9	42.9	64.3



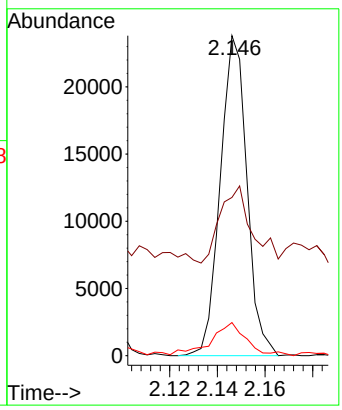


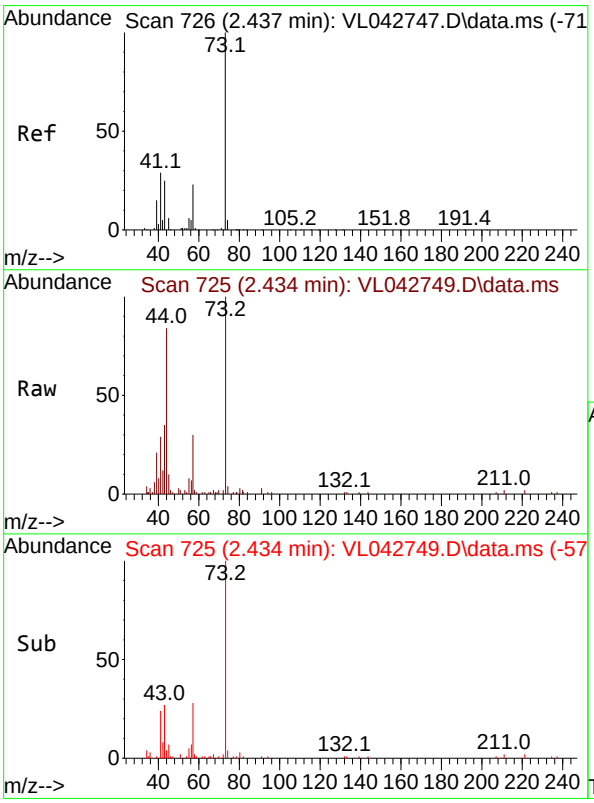
#27
Carbon Disulfide
Concen: 1.031 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 18488

Ion	Ratio	Lower	Upper
76	100		
44	115.6	19.3	28.9#
78	14.9	9.9	14.9#

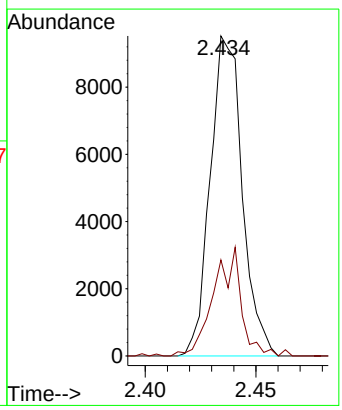


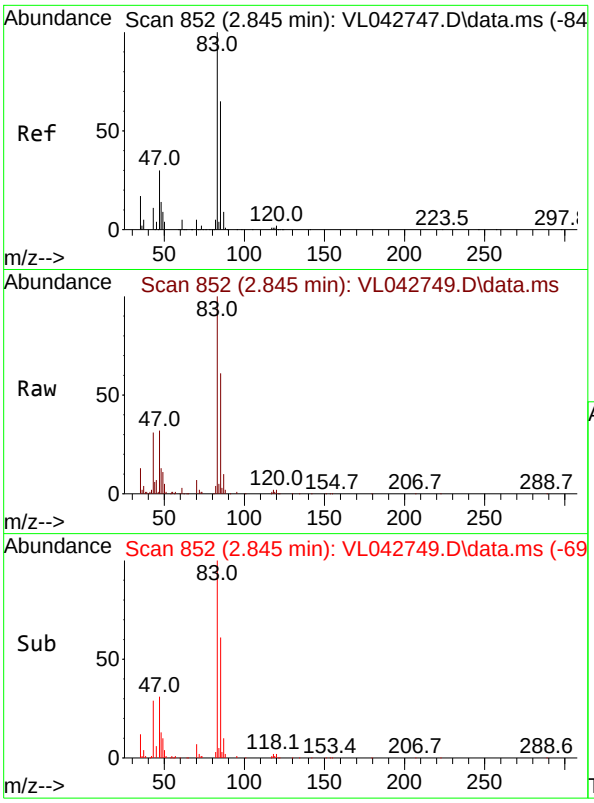


#28
Methyl tert-Butyl Ether
Concen: 0.968 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 9587

Ion	Ratio	Lower	Upper
73	100		
57	29.7	19.8	29.8



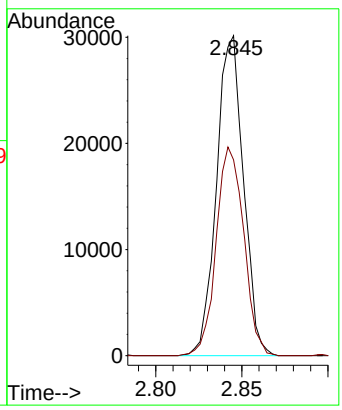


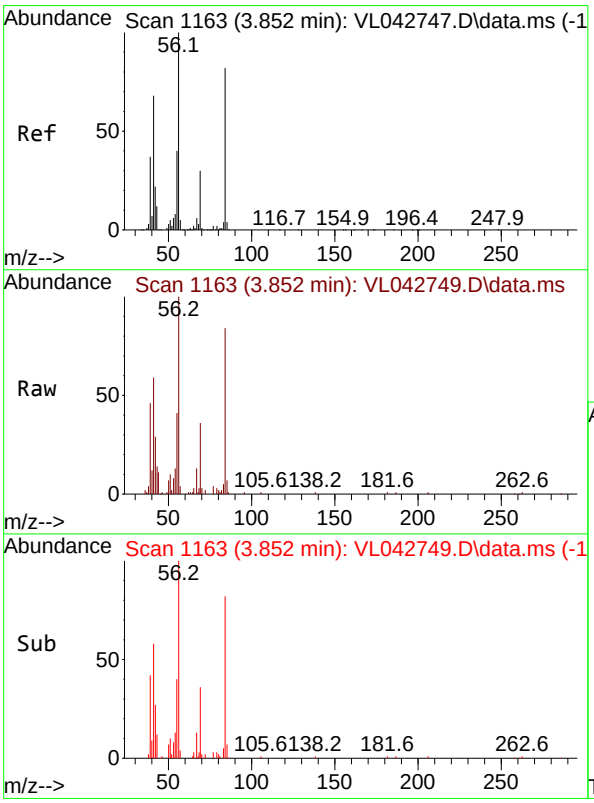
#29
Chloroform
Concen: 1.015 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32880

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.2

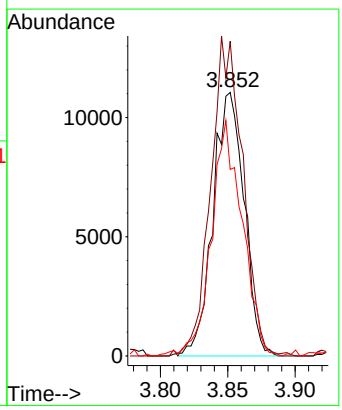


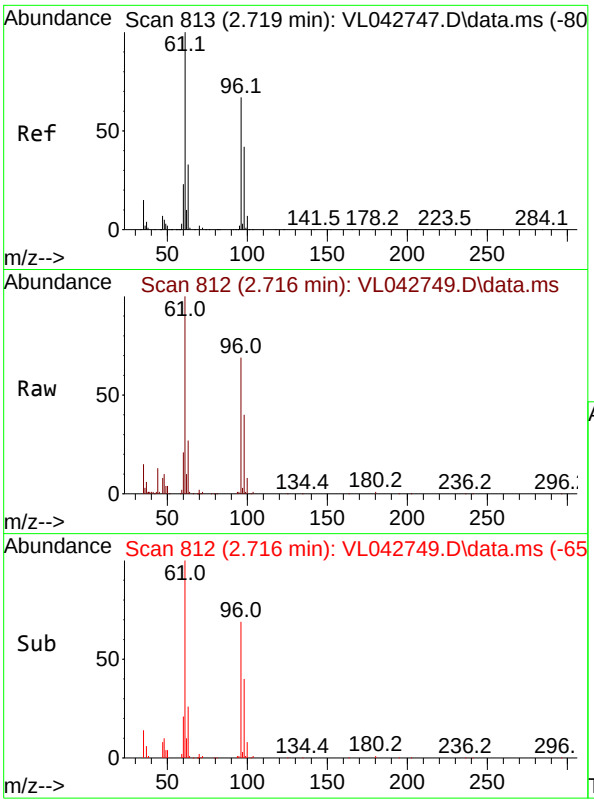


#30
Cyclohexane
Concen: 1.003 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 17824

Ion	Ratio	Lower	Upper
84	100		
56	124.3	97.5	146.3
41	88.5	67.2	100.8



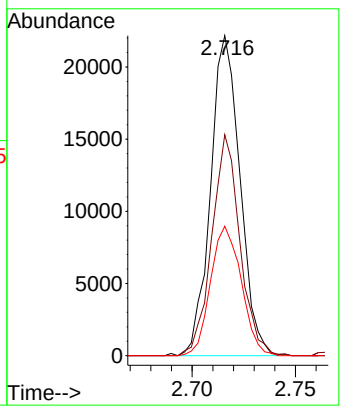


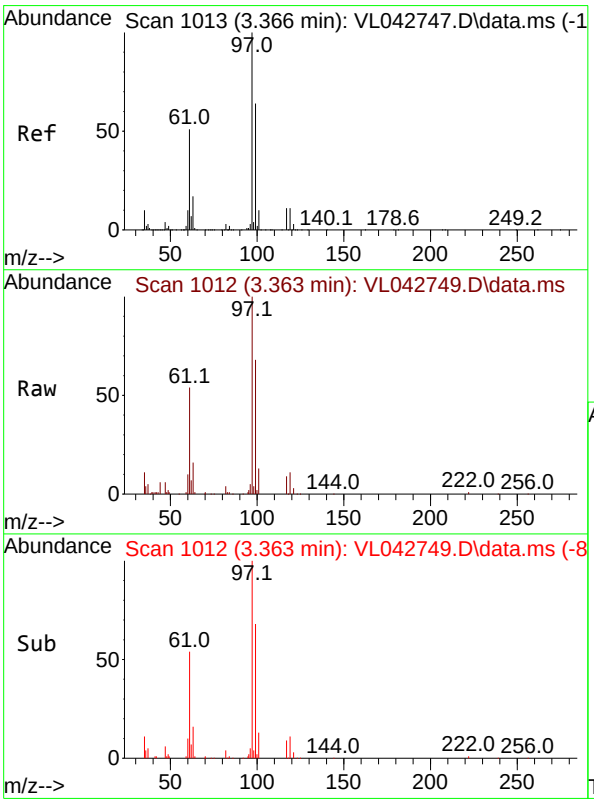
#31
cis-1,2-Dichloroethene
Concen: 1.021 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 21979

Ion	Ratio	Lower	Upper
61	100		
96	69.0	53.5	80.3
98	40.5	33.6	50.4

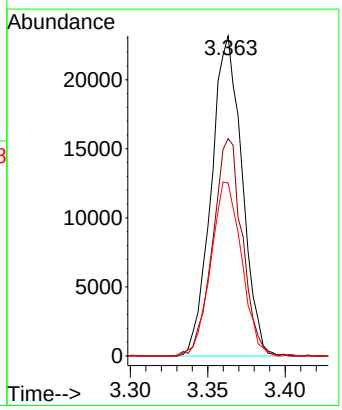


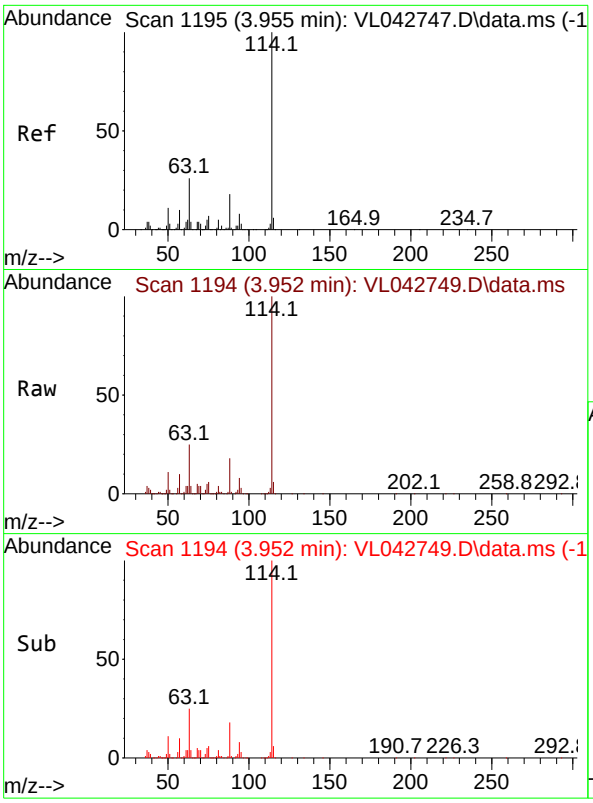


#32
1,1,1-Trichloroethane
Concen: 0.949 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	54.5	40.9	61.3



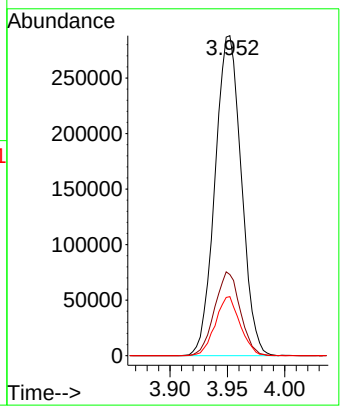


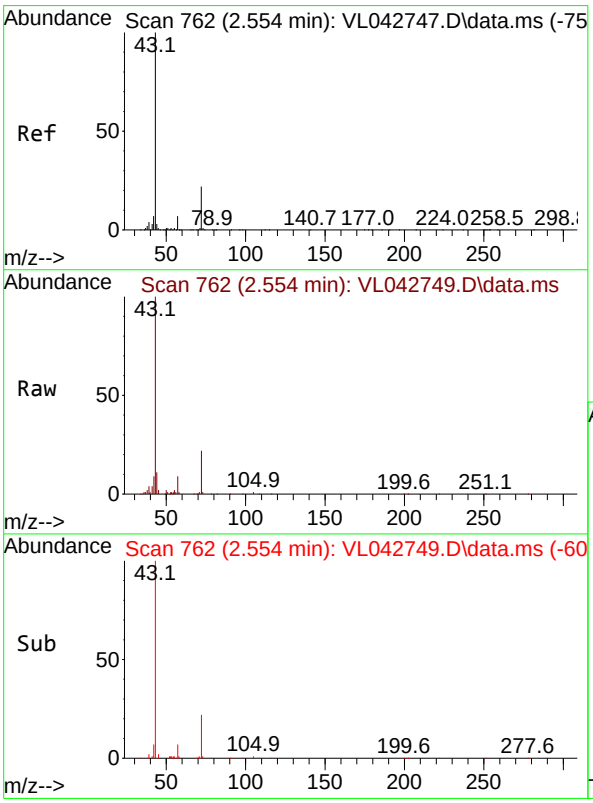
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 459770

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.4	14.0	21.0

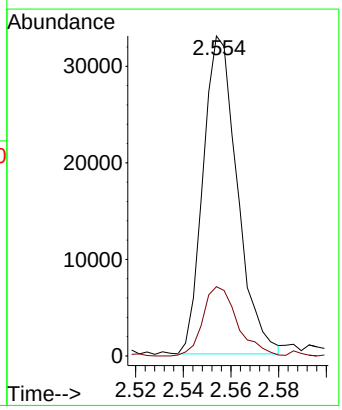


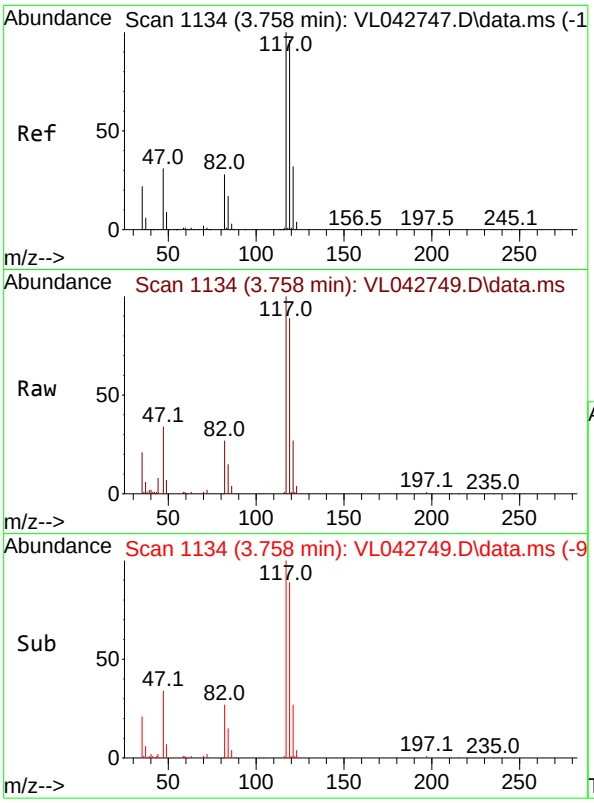


#34
2-Butanone
Concen: 1.007 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 32783

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.0



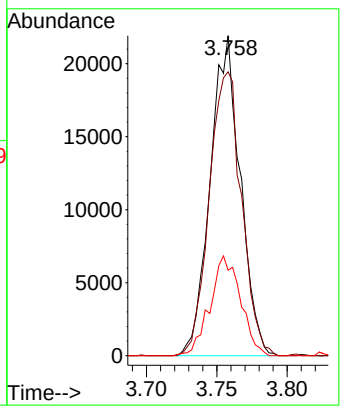


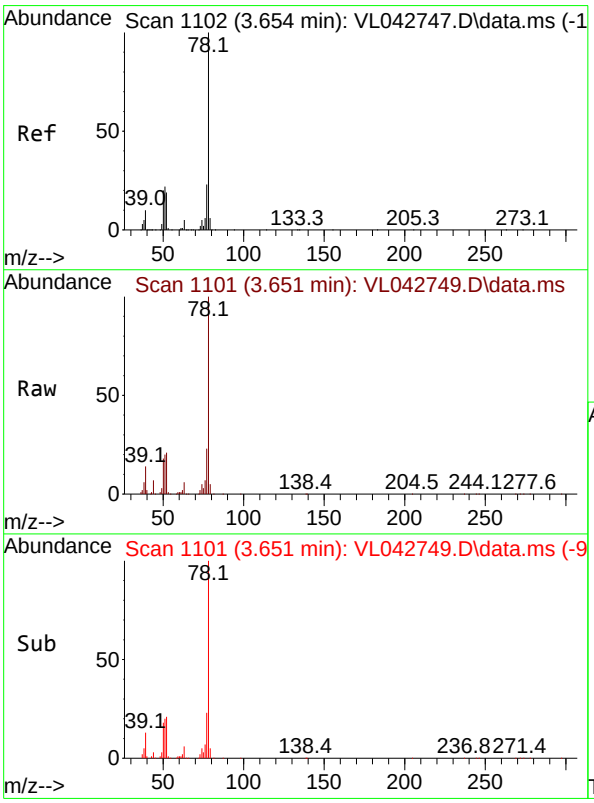
#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 32610

Ion	Ratio	Lower	Upper
117	100		
119	88.7	77.1	115.7
121	26.7	25.5	38.3

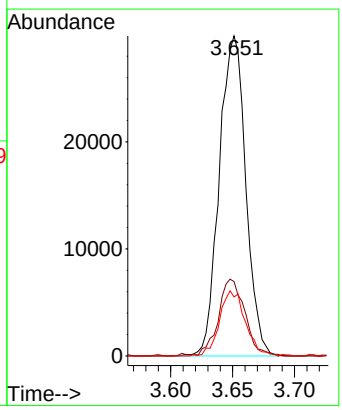


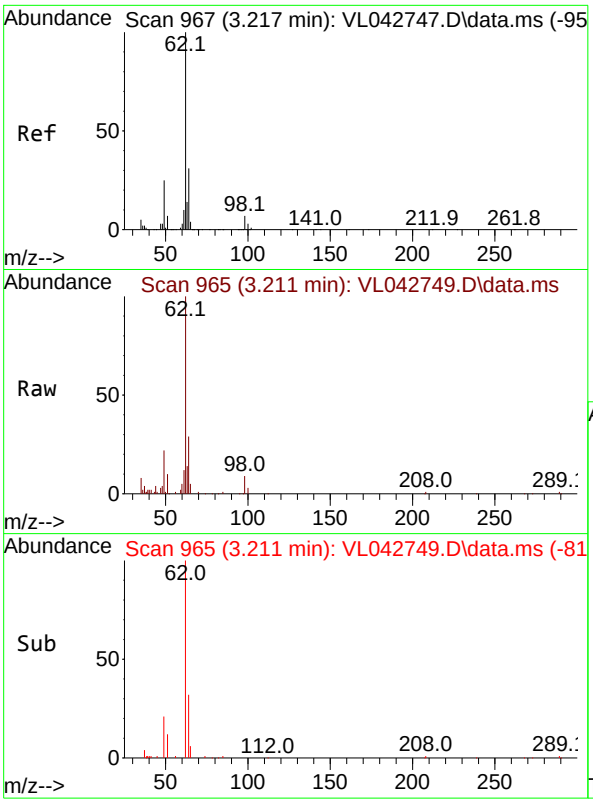


#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 78 Resp: 44638

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	18.4	16.2	24.2



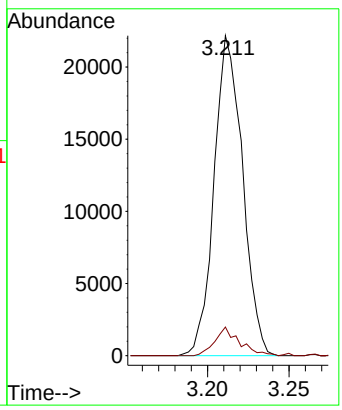


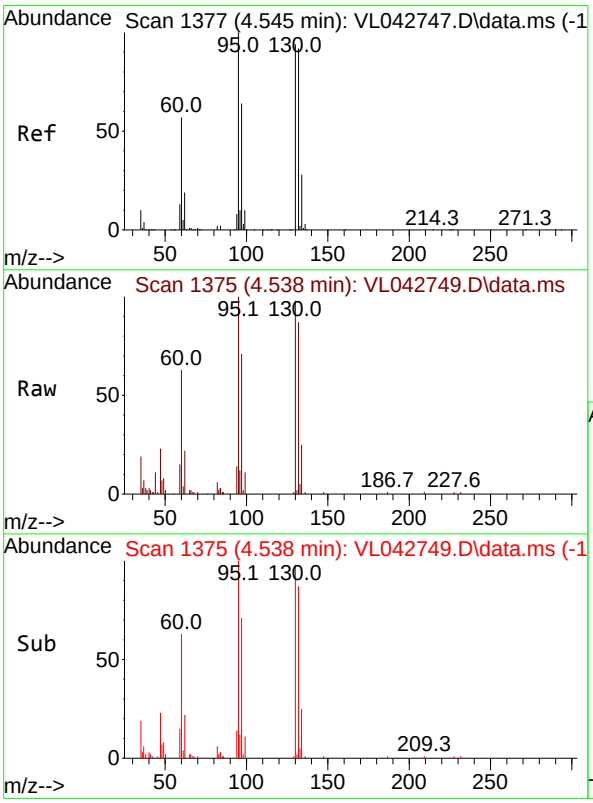
#37
1,2-Dichloroethane
Concen: 1.025 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 26909

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.2	7.8#

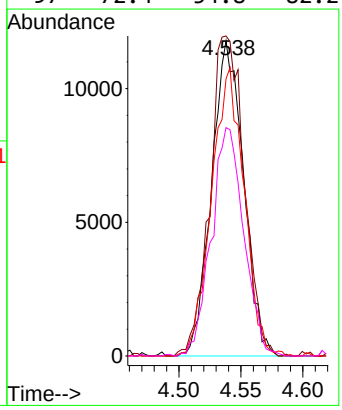


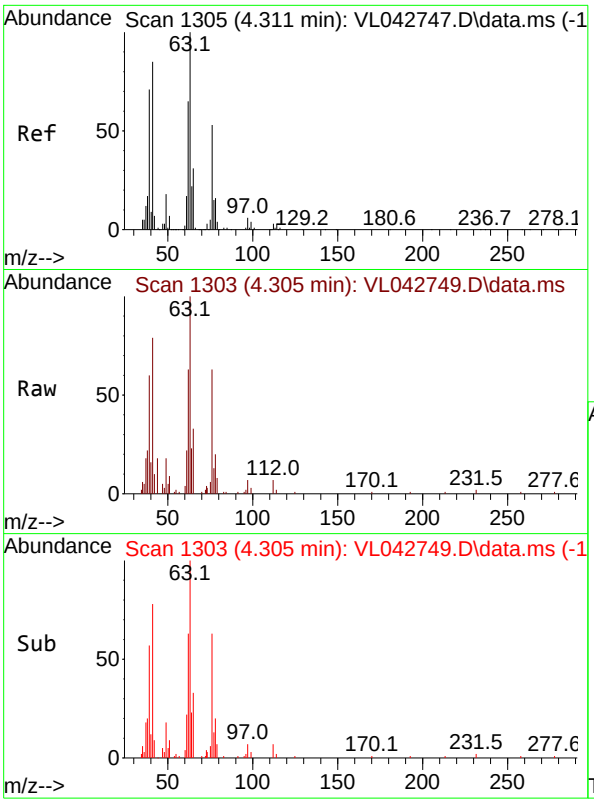


#38
Trichloroethene
Concen: 1.005 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122

Ion	Ratio	Lower	Upper
130	100		
95	101.6	85.4	128.2
132	87.5	78.2	117.2
97	72.4	54.8	82.2



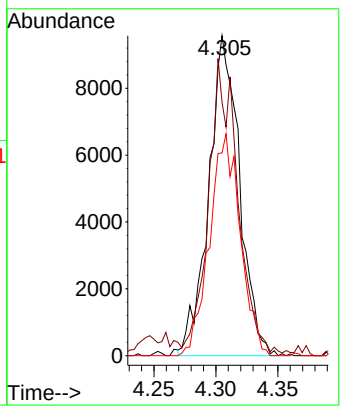


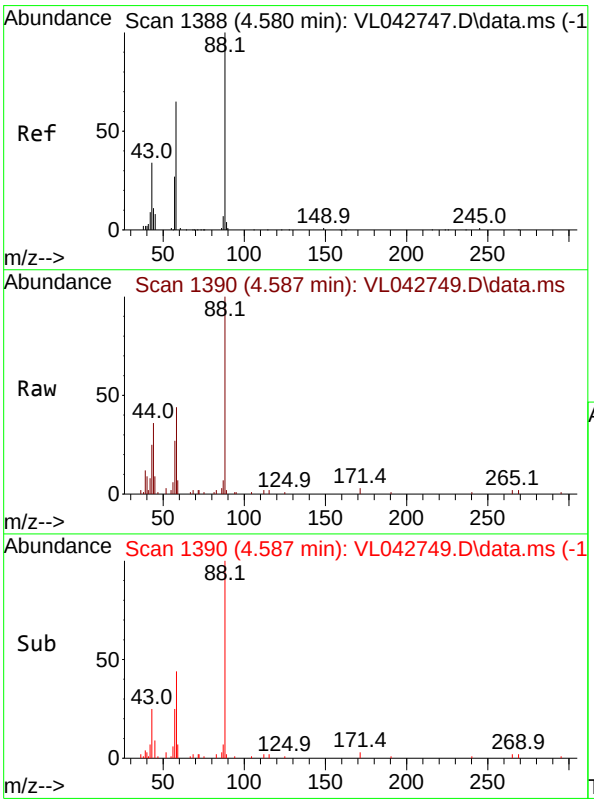
#39
1,2-Dichloropropane
Concen: 1.033 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 16622

Ion	Ratio	Lower	Upper
63	100		
41	77.8	68.2	102.4
62	63.3	52.0	78.0

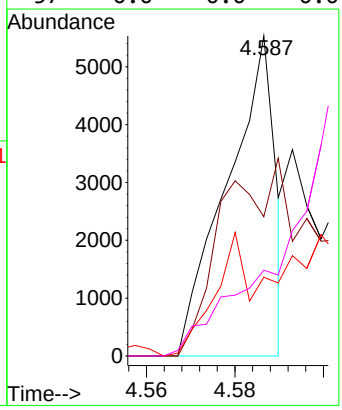


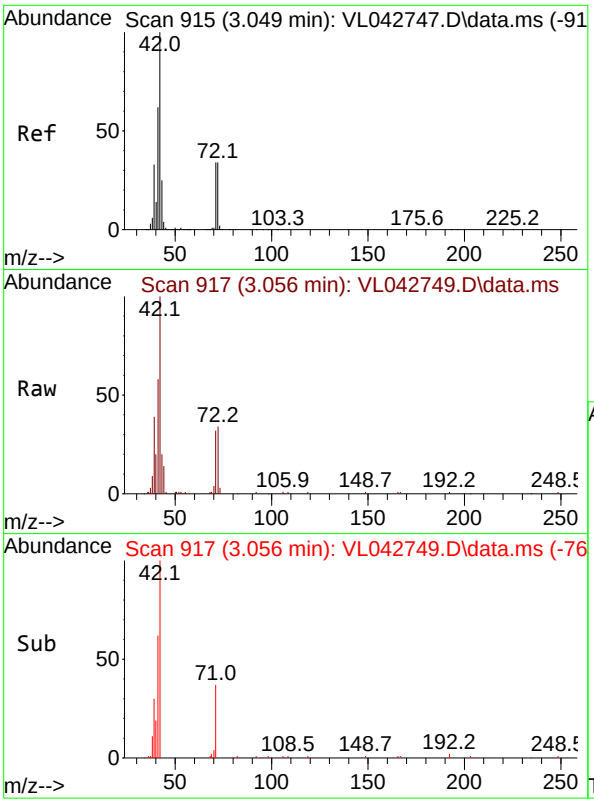


#40
1,4-Dioxane
Concen: 0.552 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 4184

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



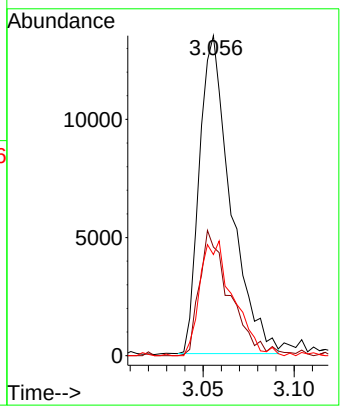


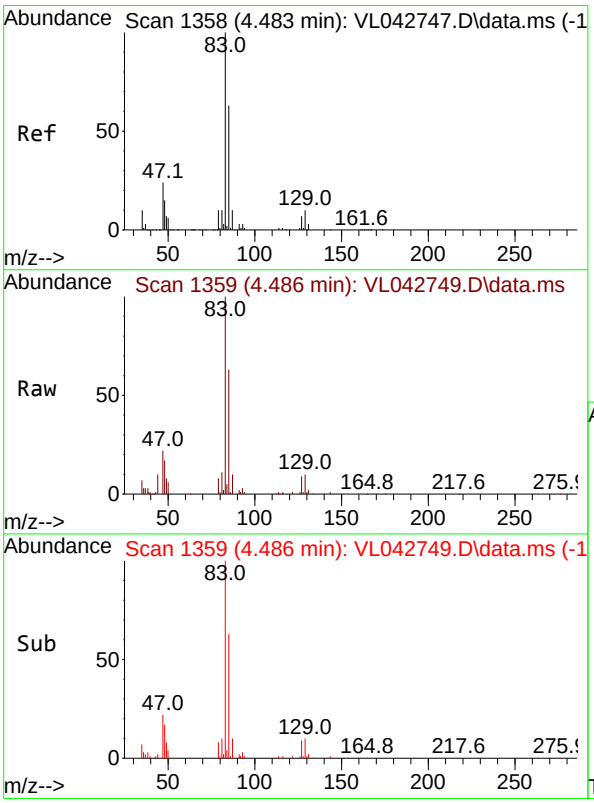
#41
Tetrahydrofuran
Concen: 0.984 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 16097

Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.9	46.3
71	38.6	28.6	43.0

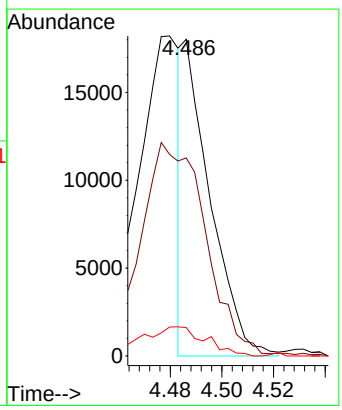


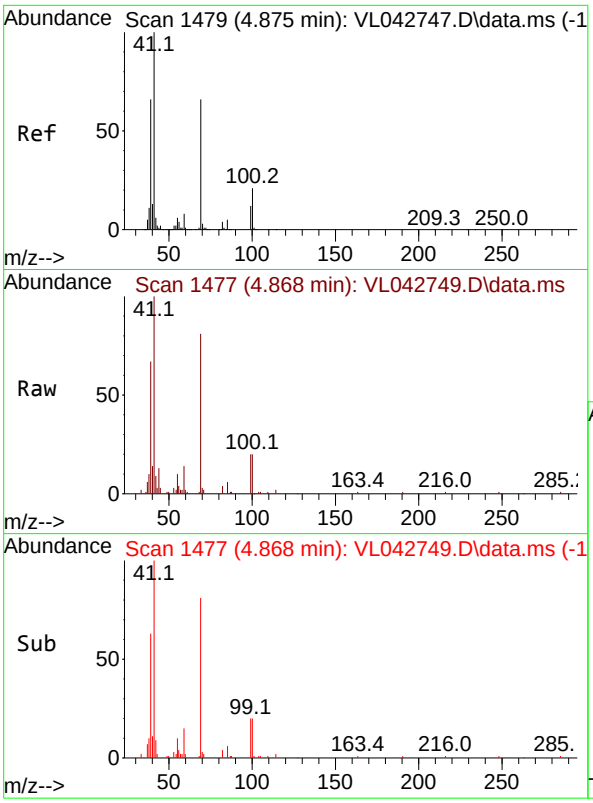


#42
Bromodichloromethane
Concen: 0.388 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 13285

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.2	75.4
127	8.0	5.4	8.2



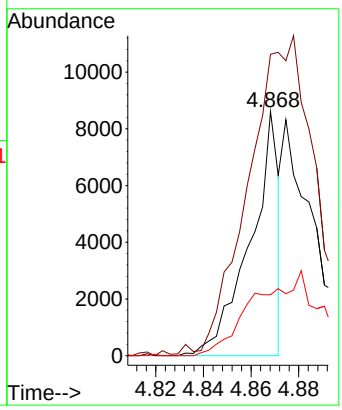


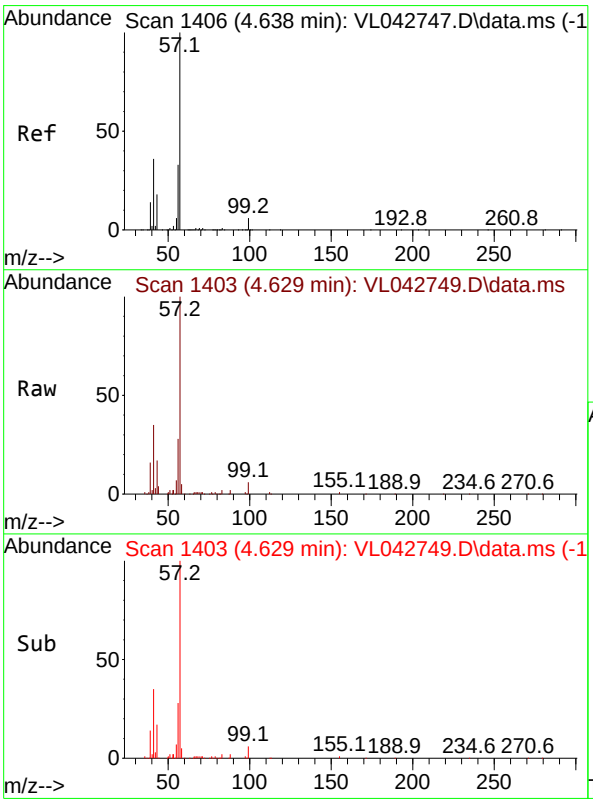
#43
Methyl Methacrylate
Concen: 0.461 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 7135

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

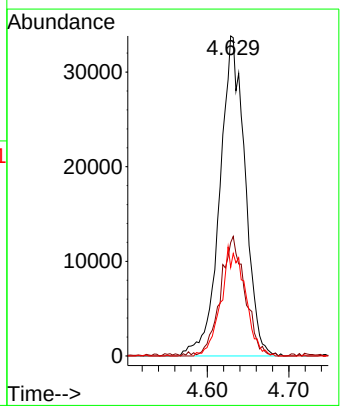


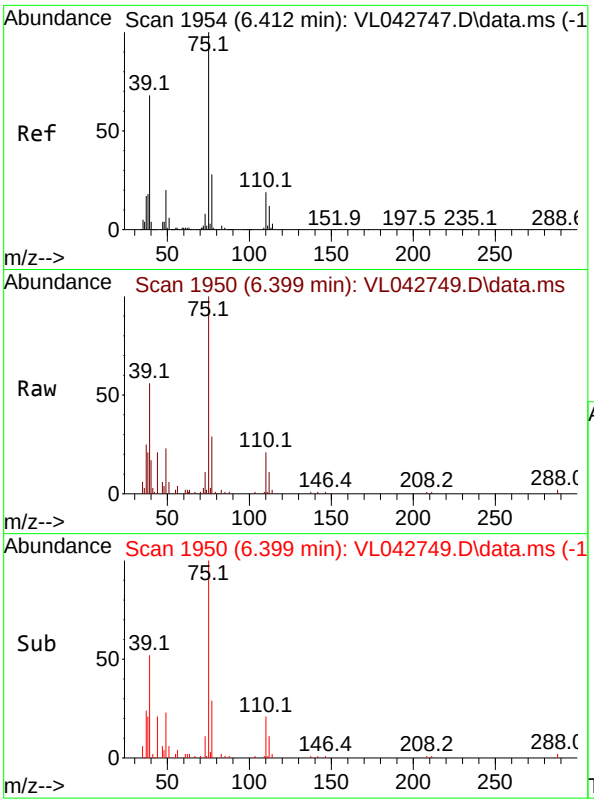


#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.5	25.8	38.6



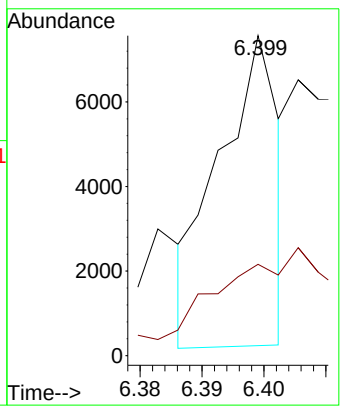


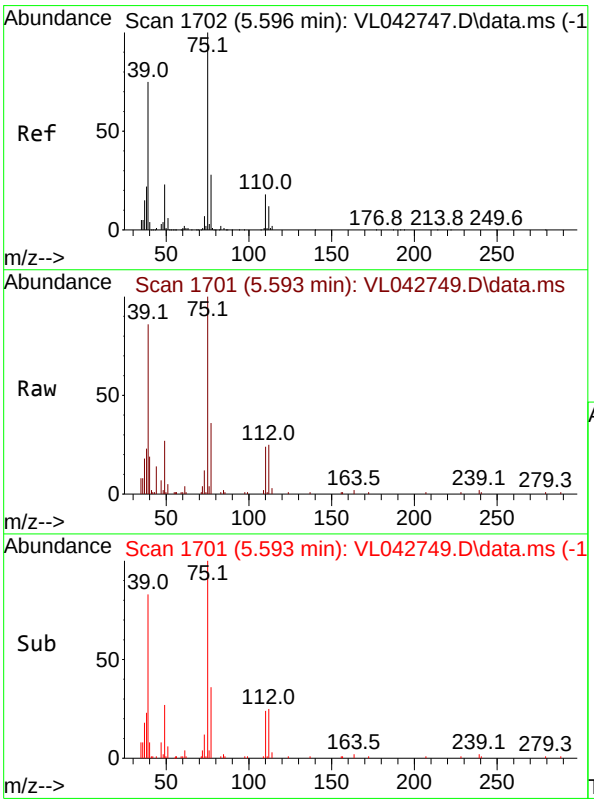
#45
t-1,3-Dichloropropene
Concen: 0.284 ppbv
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4937

Ion	Ratio	Lower	Upper
75	100		
77	28.5	22.4	33.6

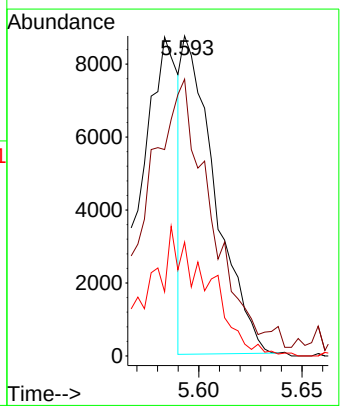


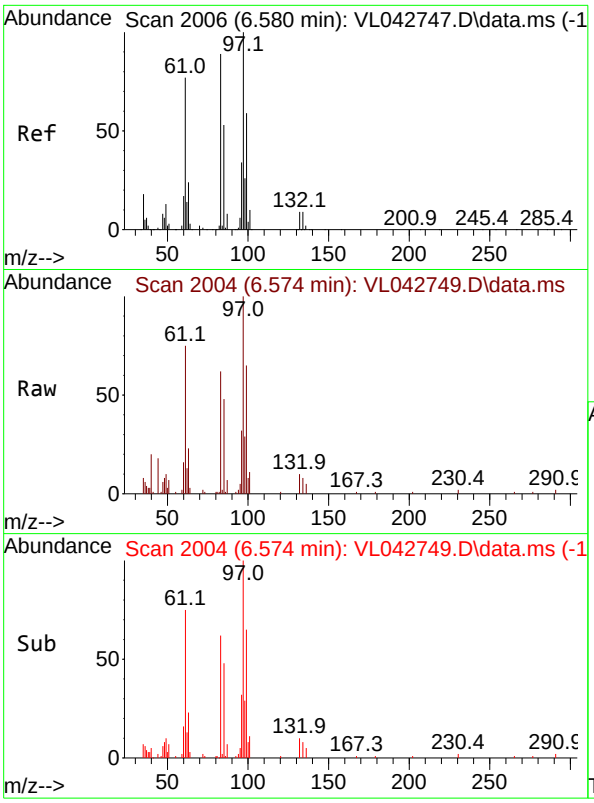


#46
cis-1,3-Dichloropropene
Concen: 0.439 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 9670

Ion	Ratio	Lower	Upper
75	100		
39	78.0	60.2	90.2
77	35.3	22.6	34.0#



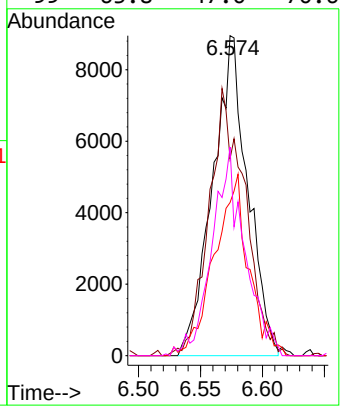


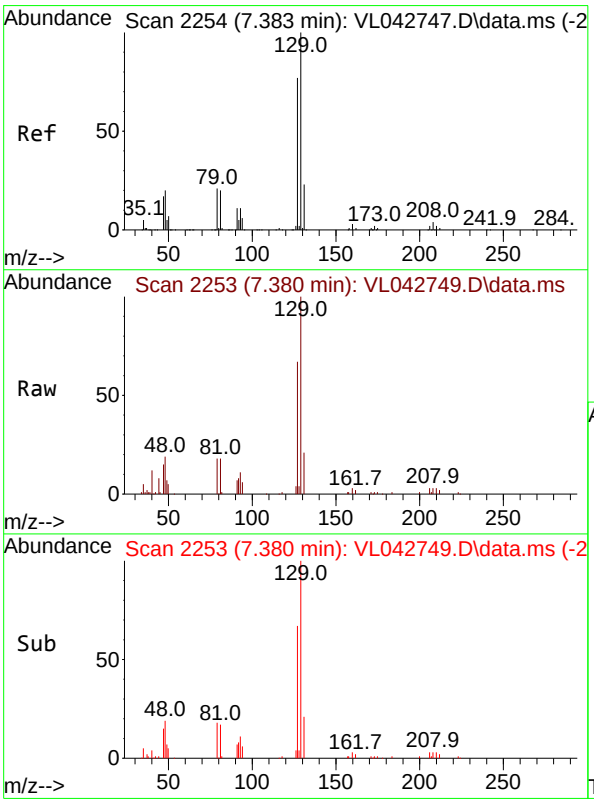
#47
1,1,2-Trichloroethane
Concen: 1.029 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 17646

Ion	Ratio	Lower	Upper
97	100		
83	60.2	71.1	106.7#
85	46.8	43.0	64.4
99	63.8	47.0	70.6

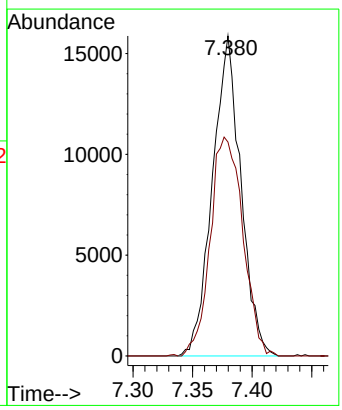


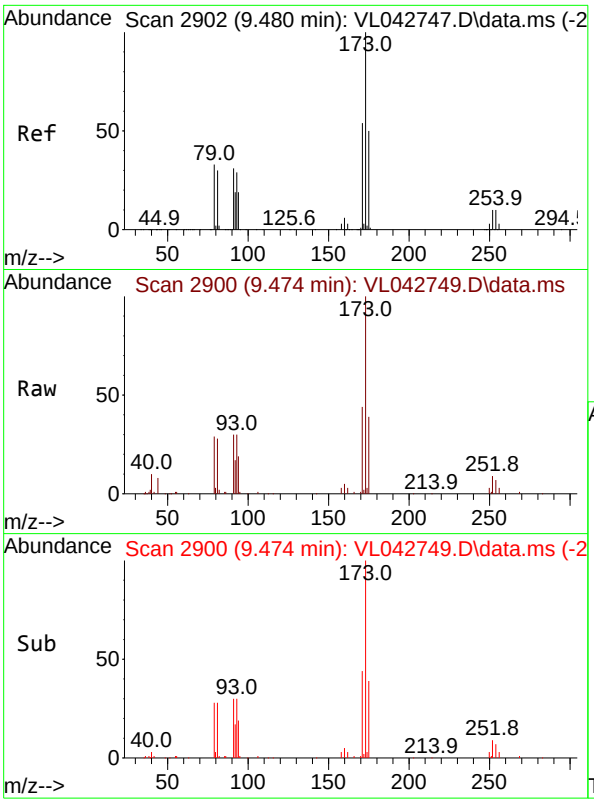


#48
Dibromochloromethane
Concen: 0.965 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:129 Resp: 26259

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.7	116.1



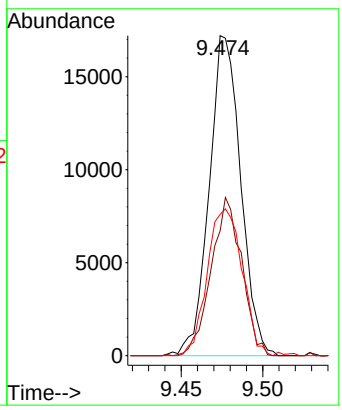


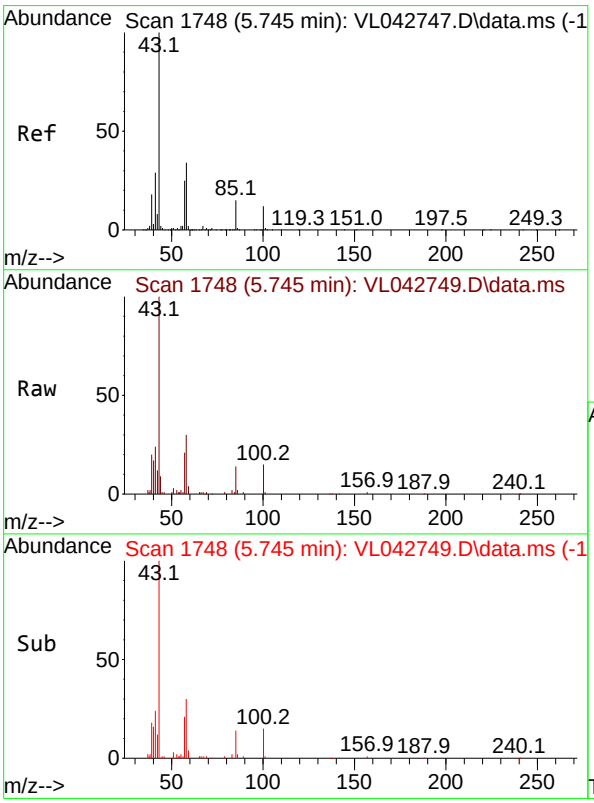
#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 23083

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.3	40.9	61.3

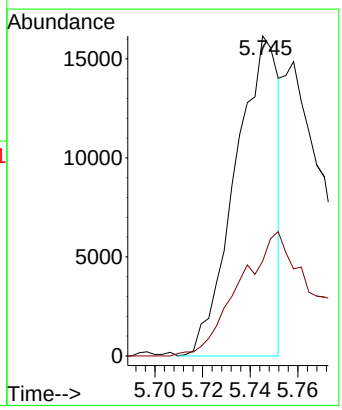


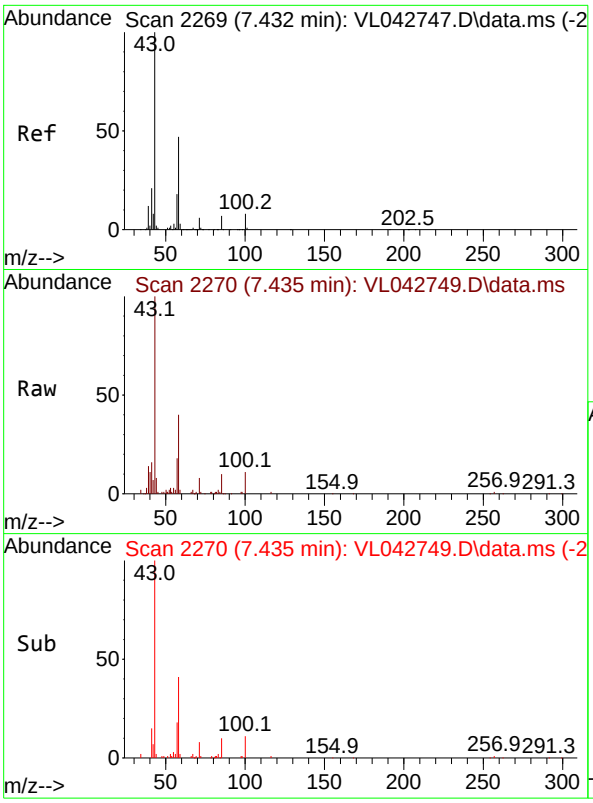


#50
4-Methyl-2-Pentanone
Concen: 0.488 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 20247

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



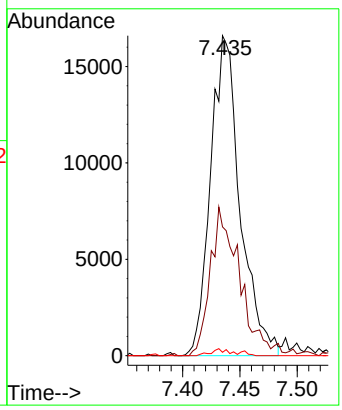


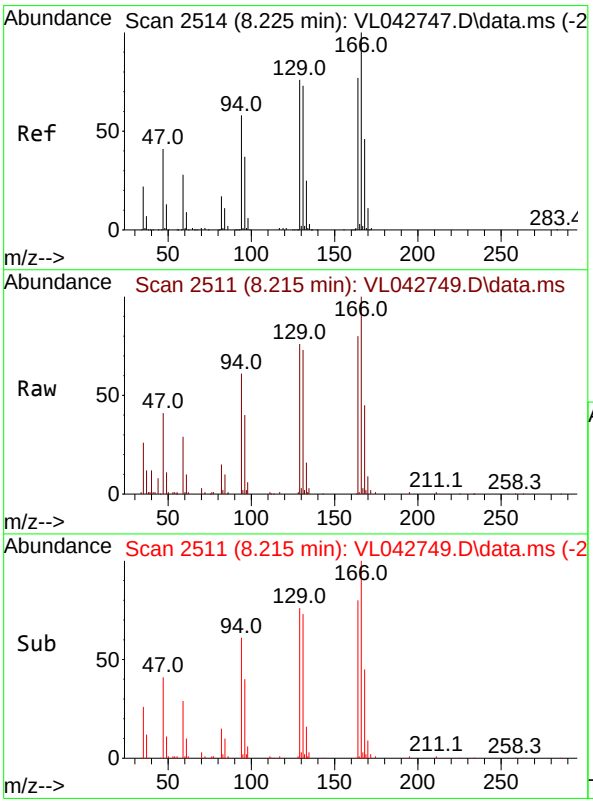
#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29761

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	1.6	0.2	0.4#

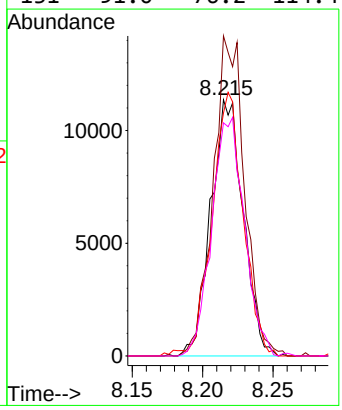


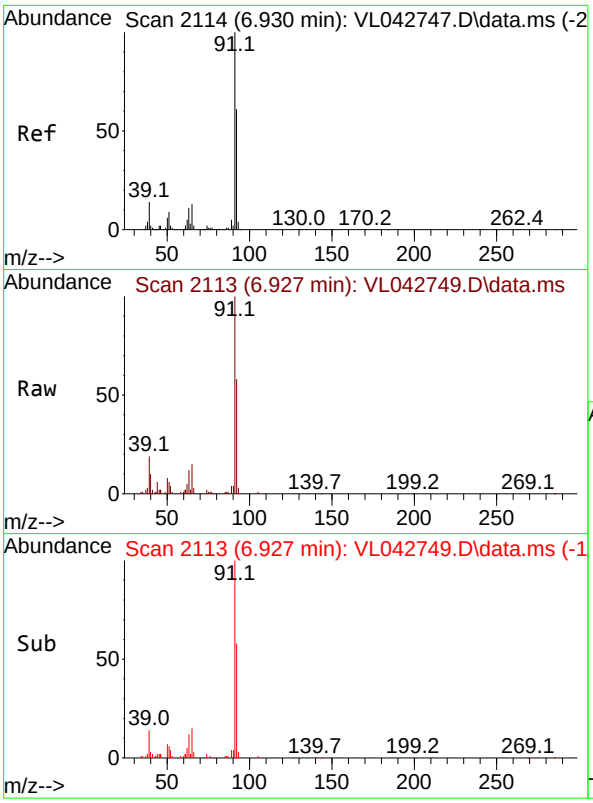


#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:164 Resp: 18131

Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	94.8	79.2	118.8
131	91.0	76.2	114.4



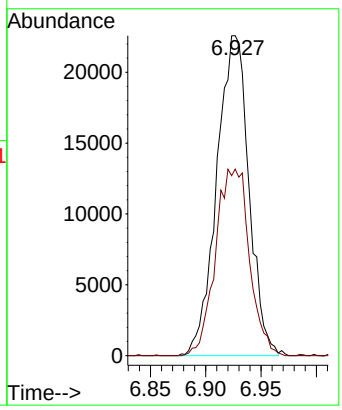


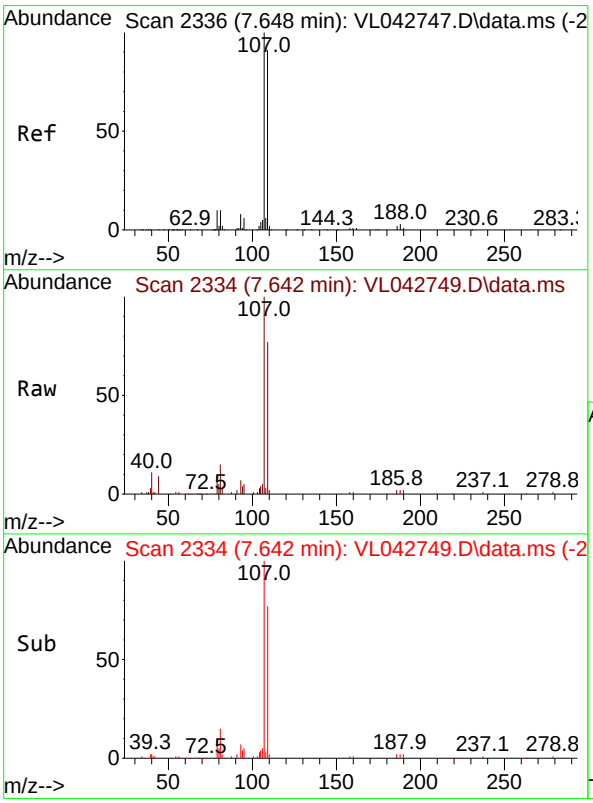
#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 45645

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.0	72.0

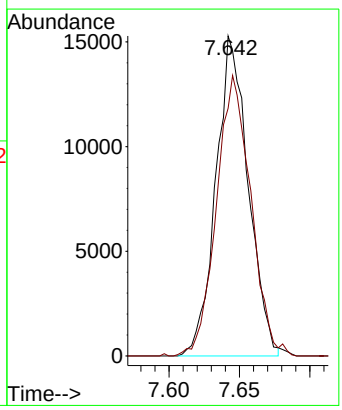


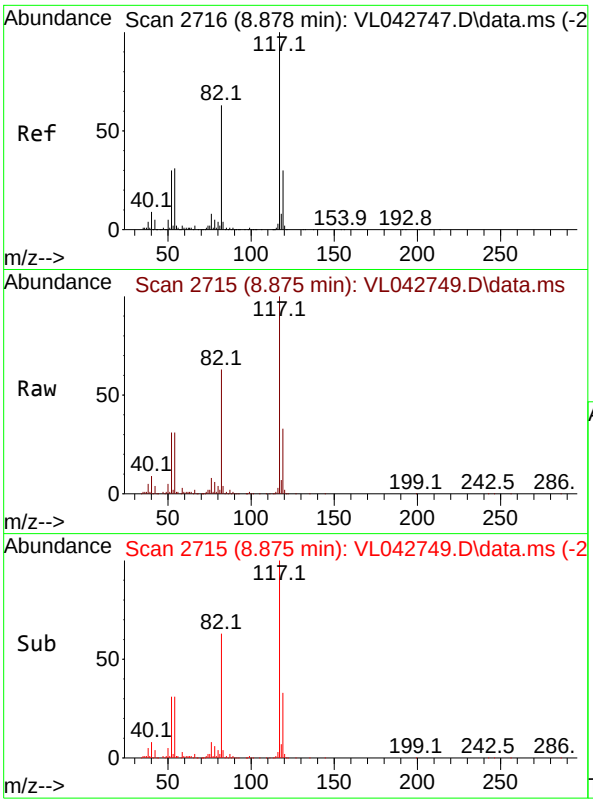


#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 24427

Ion	Ratio	Lower	Upper
107	100		
109	76.9	72.7	109.1



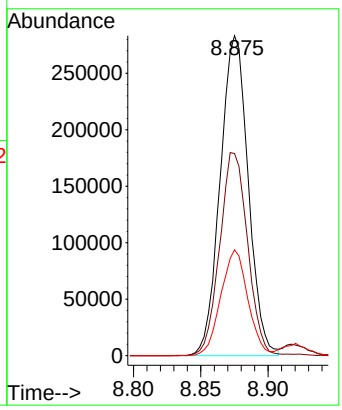


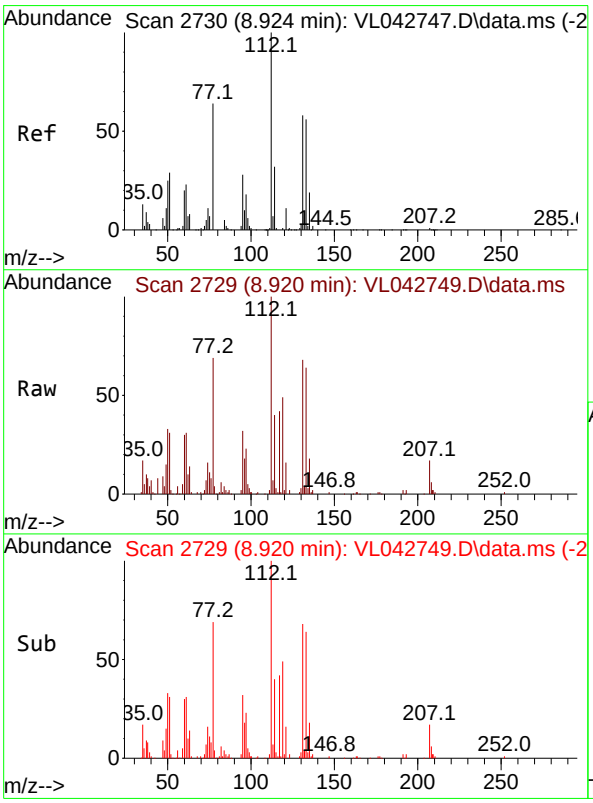
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410018

Ion	Ratio	Lower	Upper
117	100		
82	63.5	53.3	79.9
119	32.0	25.8	38.6

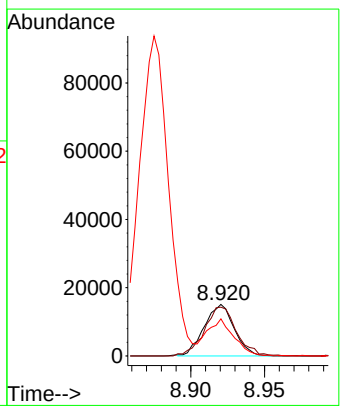


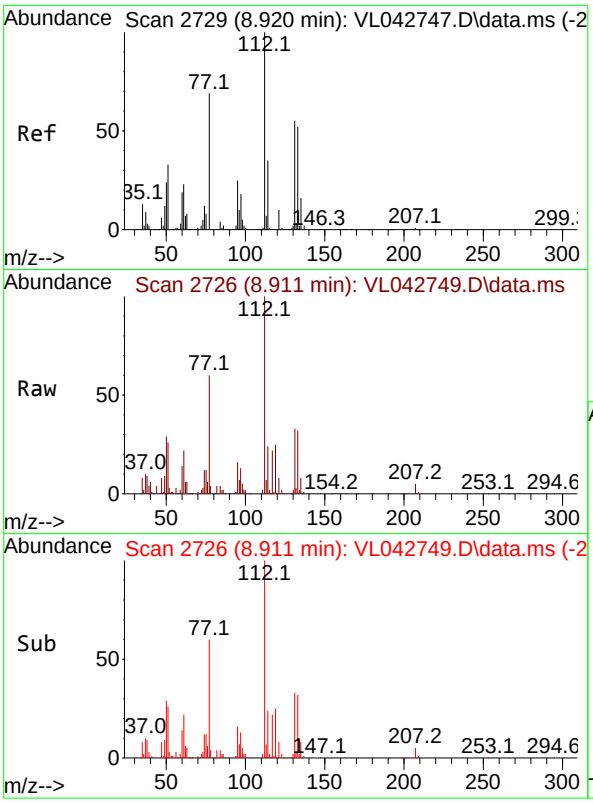


#56
1,1,1,2-Tetrachloroethane
Concen: 1.000 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:131 Resp: 21319

Ion	Ratio	Lower	Upper
131	100		
133	102.0	76.8	115.2
119	58.6	49.7	74.5



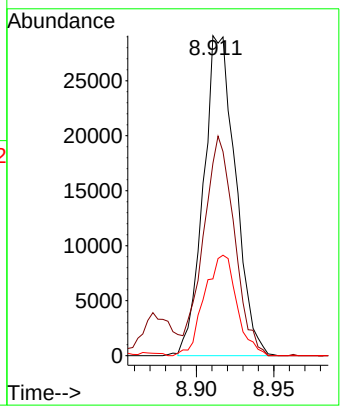


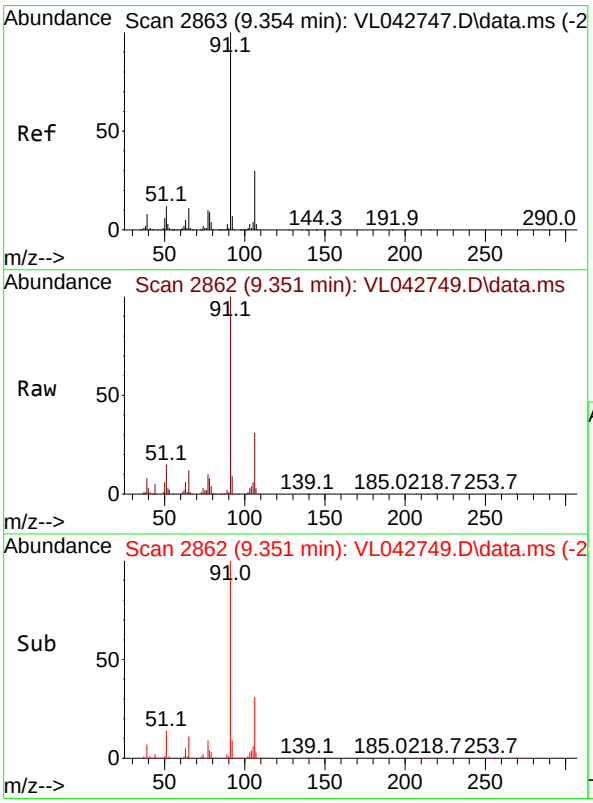
#57
Chlorobenzene
Concen: 1.053 ppbv
RT: 8.911 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 41788

Ion	Ratio	Lower	Upper
112	100		
77	60.1	56.4	84.6
114	24.0	31.2	38.2#

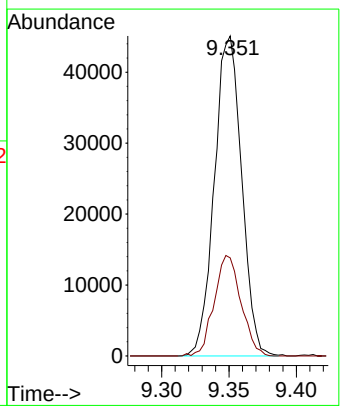


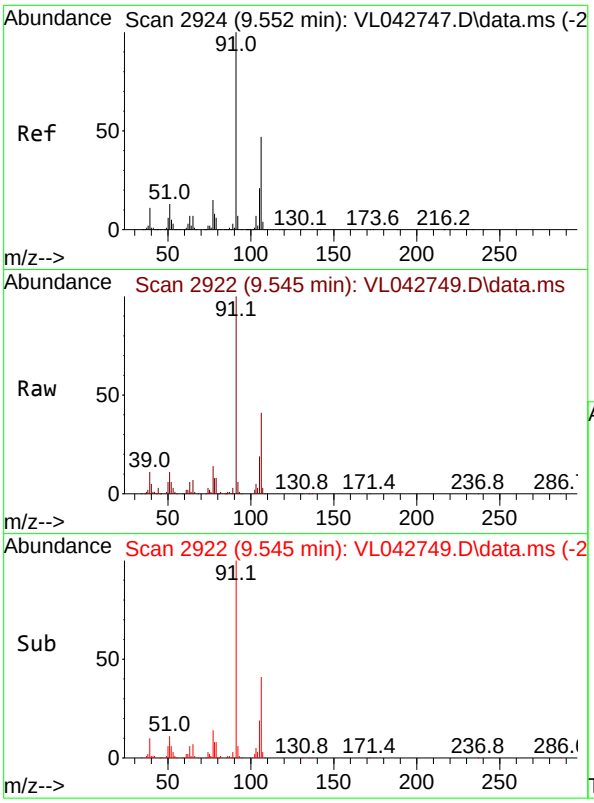


#58
Ethyl Benzene
Concen: 0.980 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 63467

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6



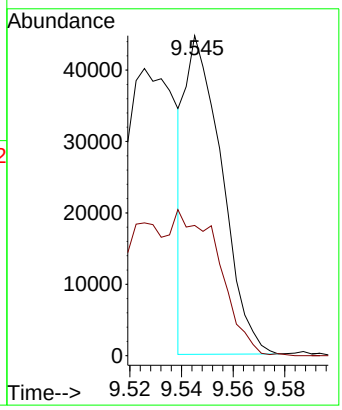


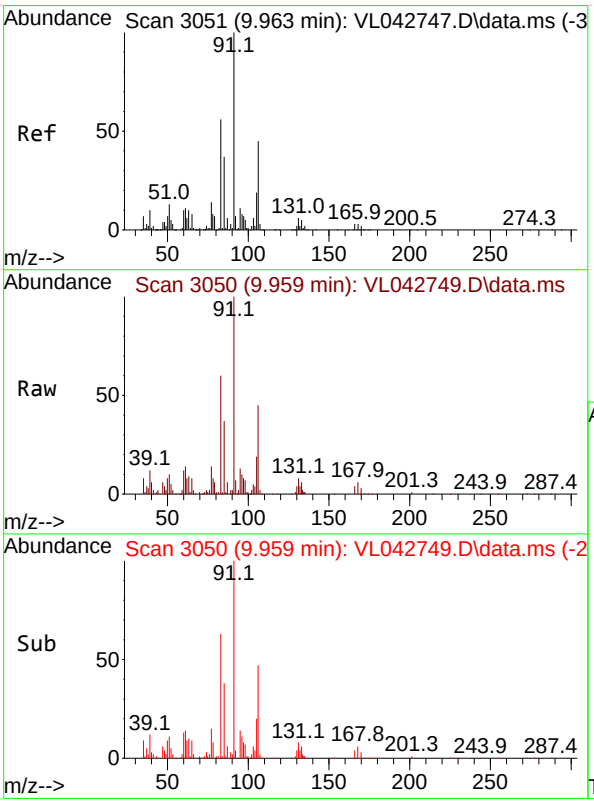
#59
m/p-Xylene
Concen: 0.849 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 43966

Ion	Ratio	Lower	Upper
91	100		
106	111.6	37.4	56.2#

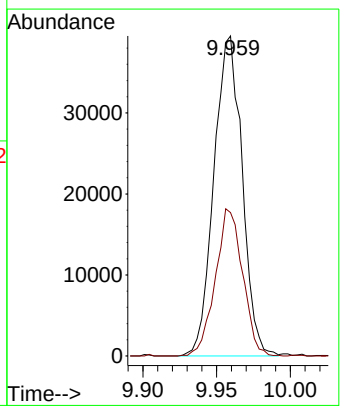


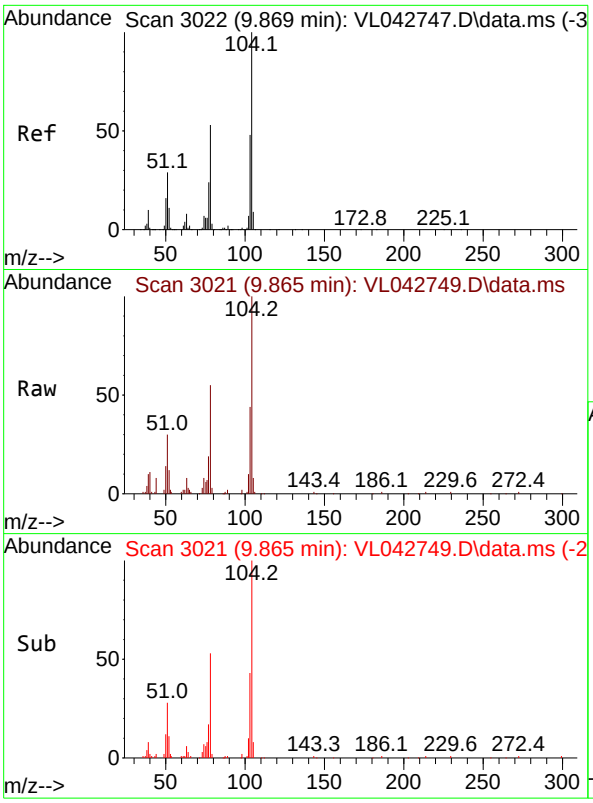


#60
o-Xylene
Concen: 1.015 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 52499

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.0	66.0



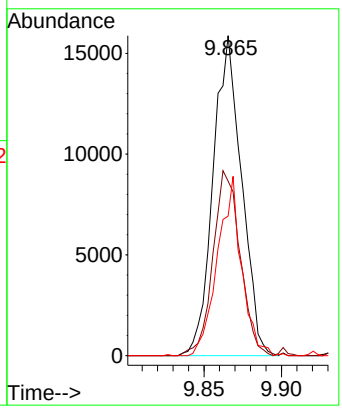


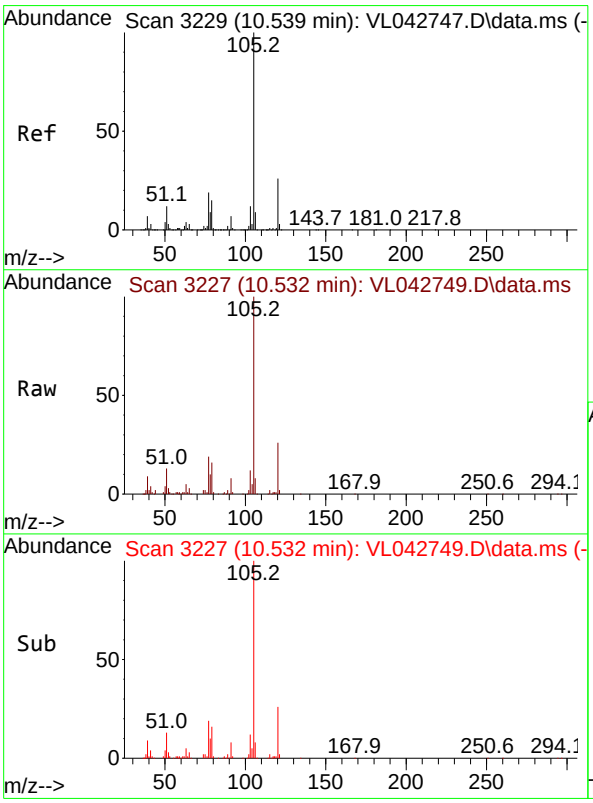
#61
Styrene
Concen: 0.934 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 20313

Ion	Ratio	Lower	Upper
104	100		
78	55.7	41.5	62.3
103	47.2	37.5	56.3

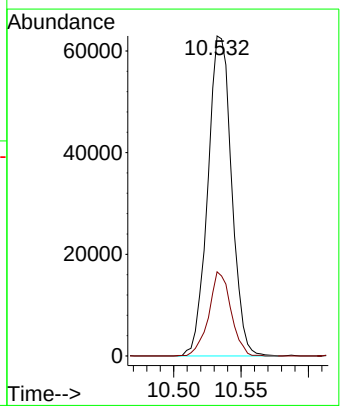


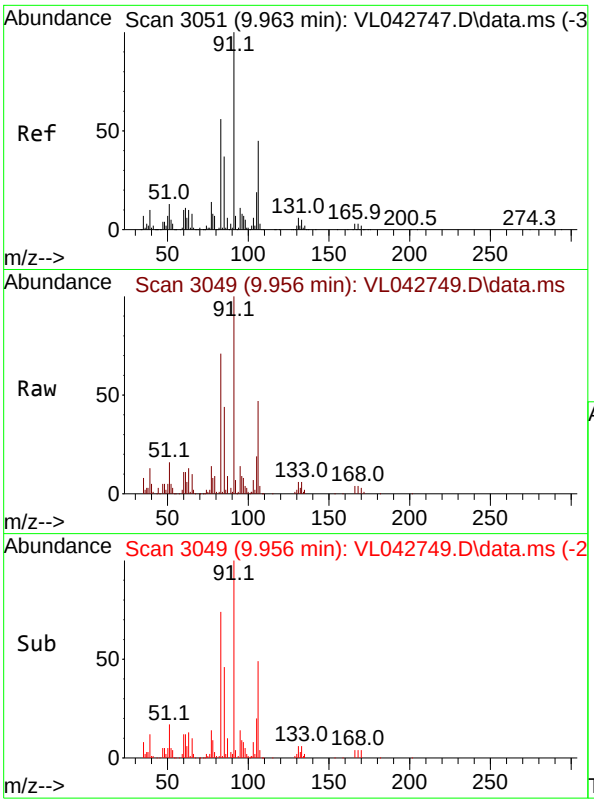


#62
Isopropylbenzene
Concen: 1.013 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 77278

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.5	30.7



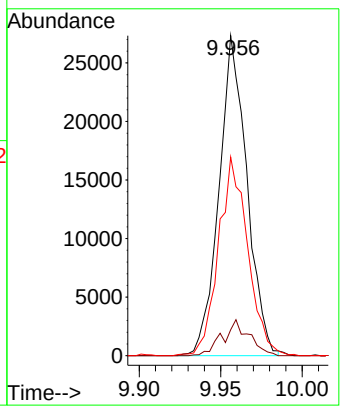


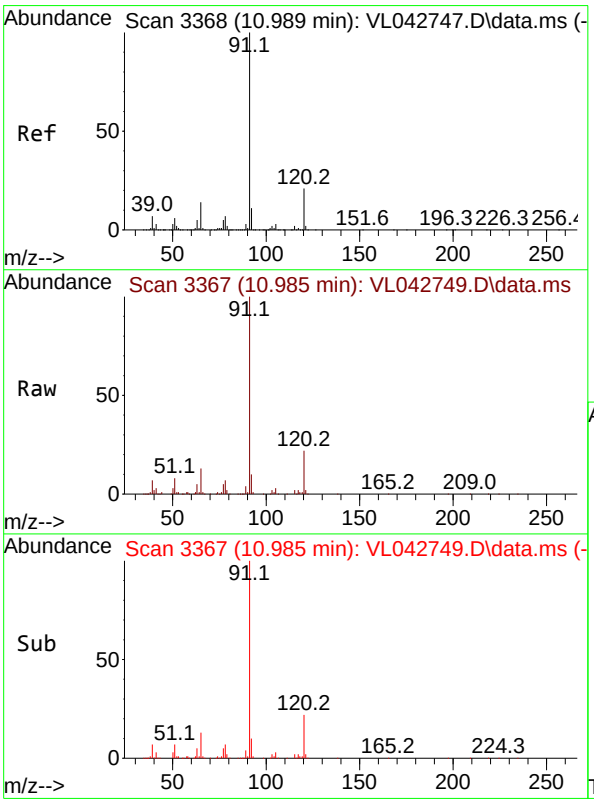
#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32591

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	32.6	97.7

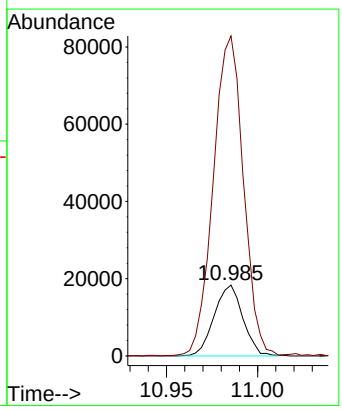


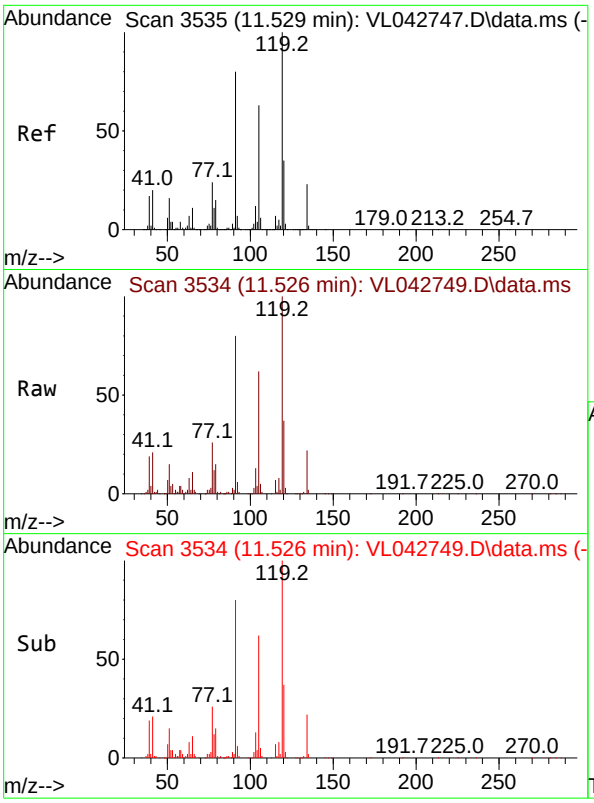


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:120 Resp: 20073

Ion	Ratio	Lower	Upper
120	100		
91	478.1	372.7	559.1



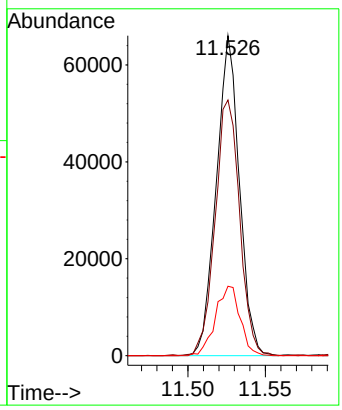


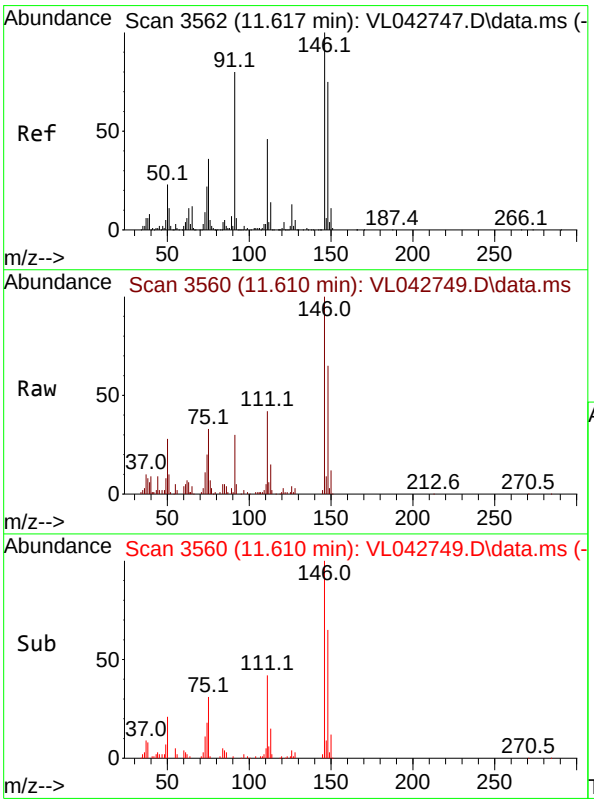
#65
tert-Butylbenzene
Concen: 1.010 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 68428

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9

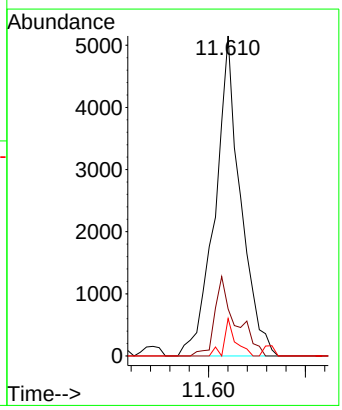


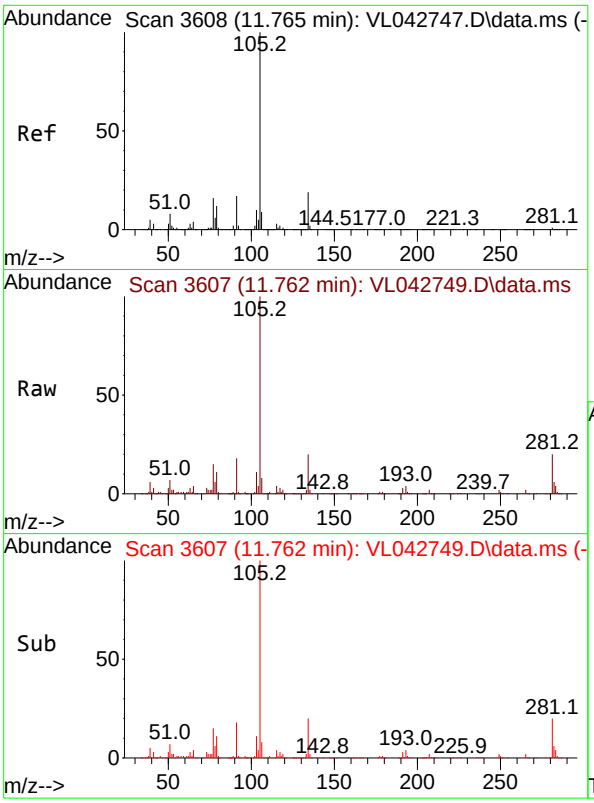


#66
Benzyl Chloride
Concen: 0.845 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4700

Ion	Ratio	Lower	Upper
91	100		
126	20.3	14.4	21.6
128	6.5	5.2	7.8



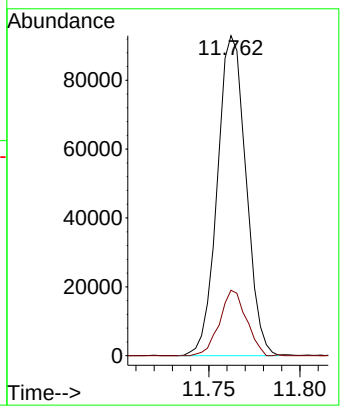


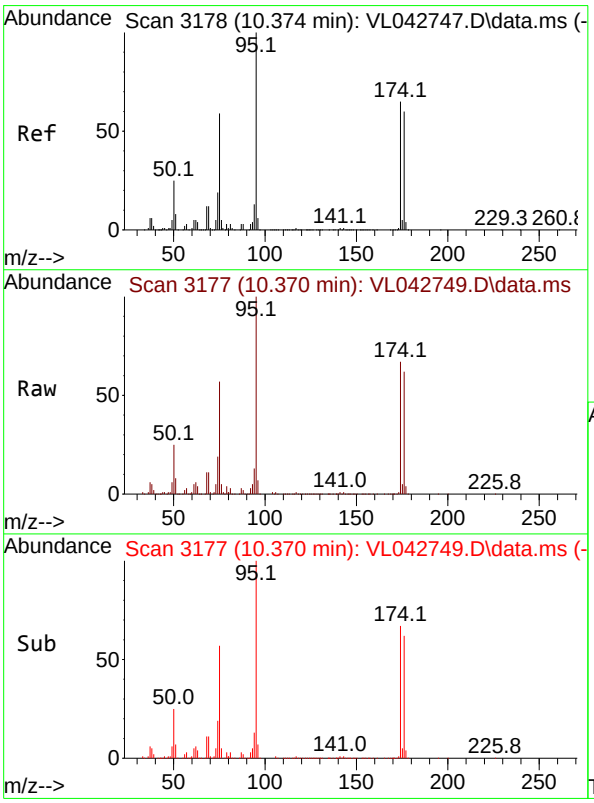
#67
sec-Butylbenzene
Concen: 1.053 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 101458

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3

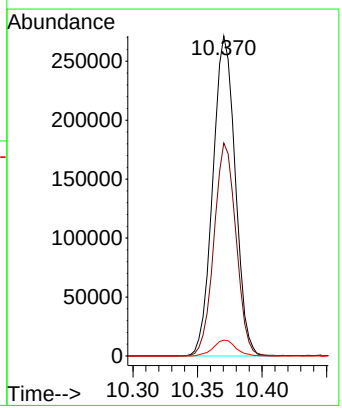


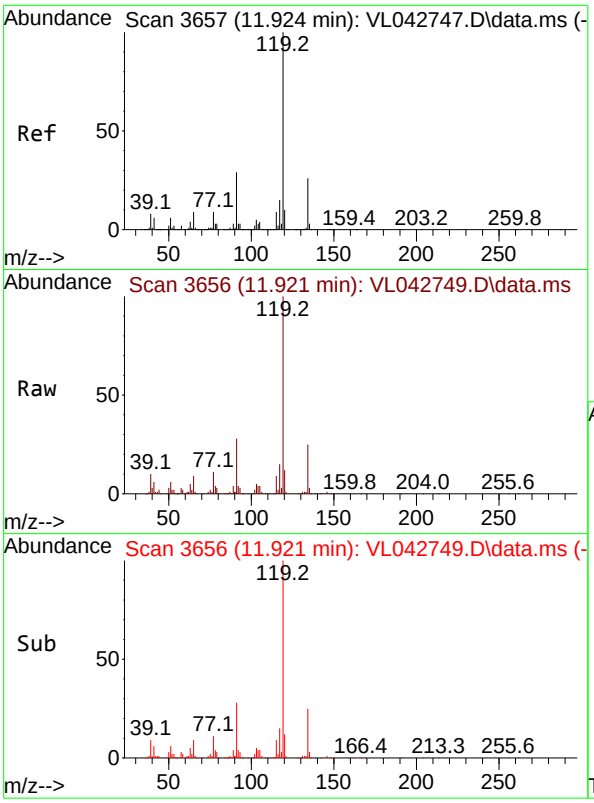


#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.0	4.0	6.0



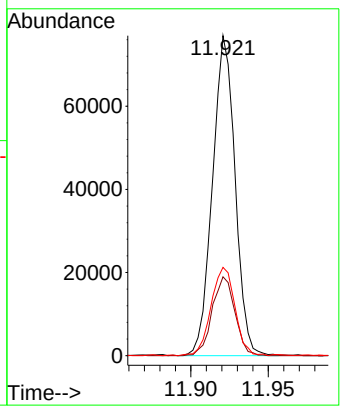


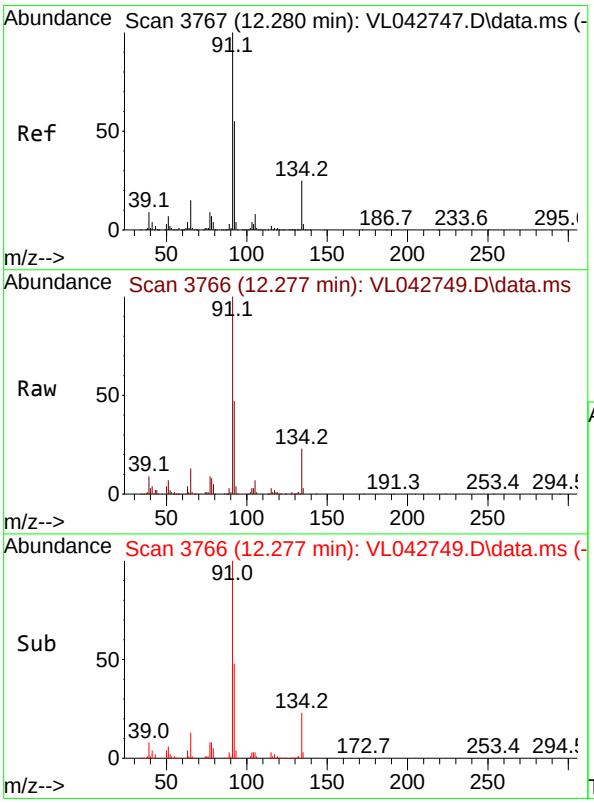
#69
p-Isopropyltoluene
Concen: 0.995 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 78186

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.6	31.0
91	29.8	23.2	34.8

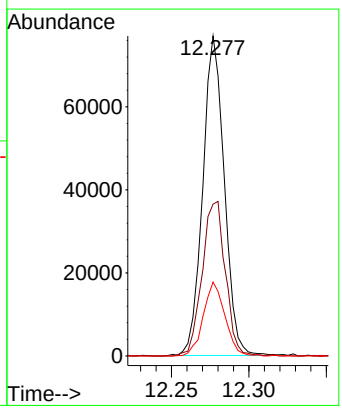


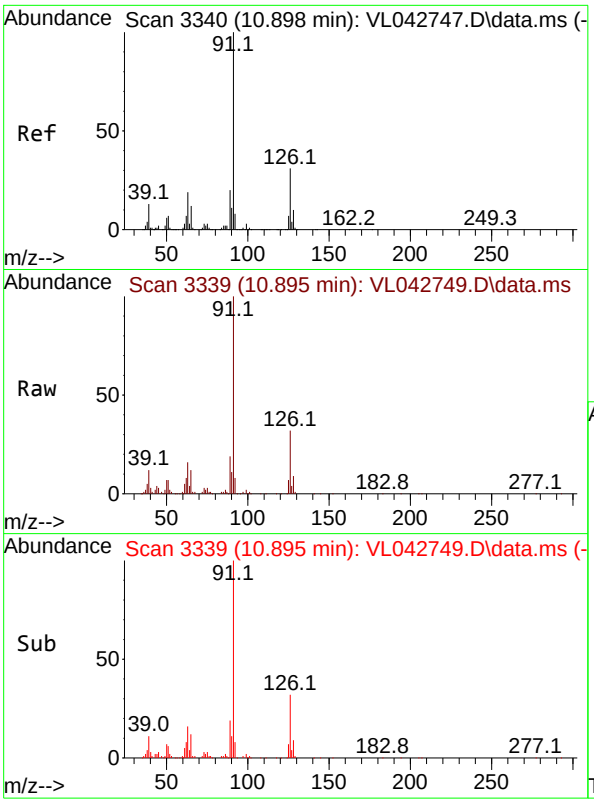


#70
n-Butylbenzene
Concen: 0.978 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 74257

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.4	65.2
134	23.4	19.6	29.4



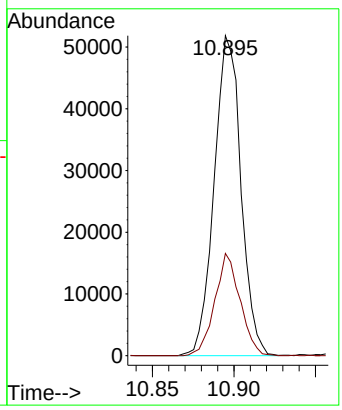


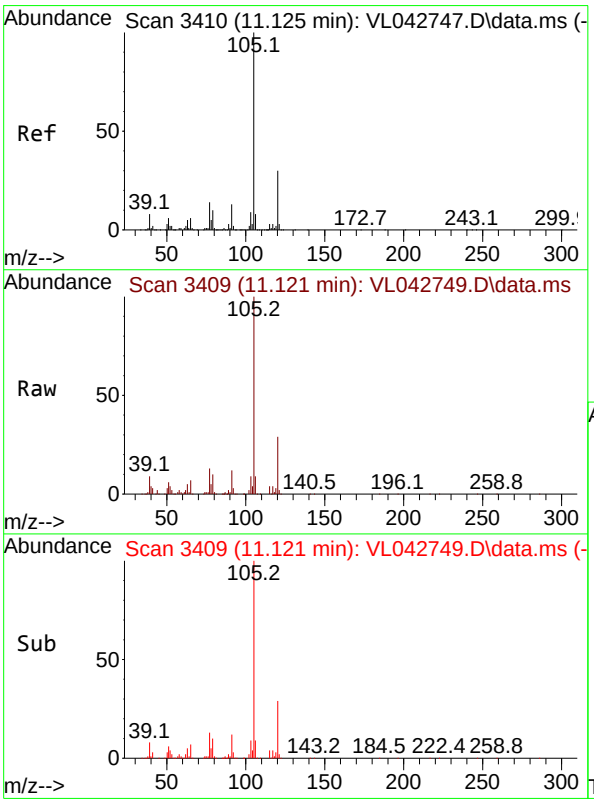
#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 59193

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2

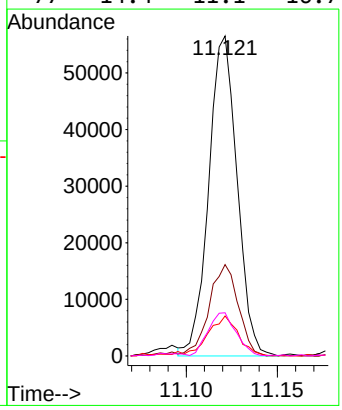


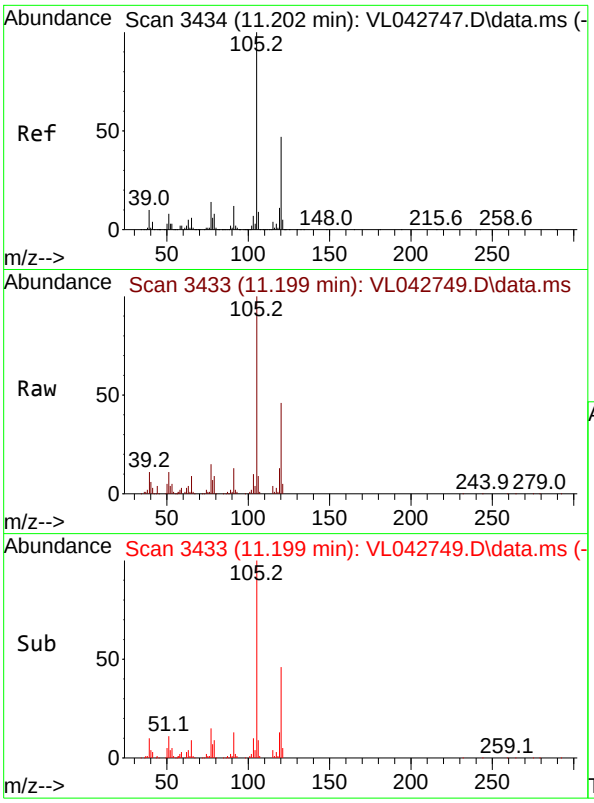


#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 61199

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	14.2	10.6	15.8
77	14.4	11.1	16.7



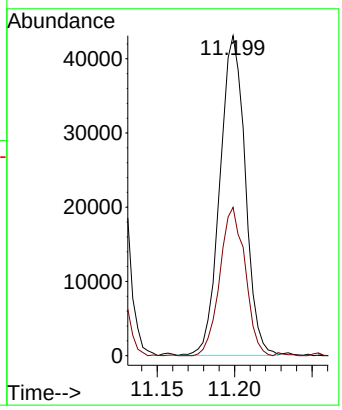


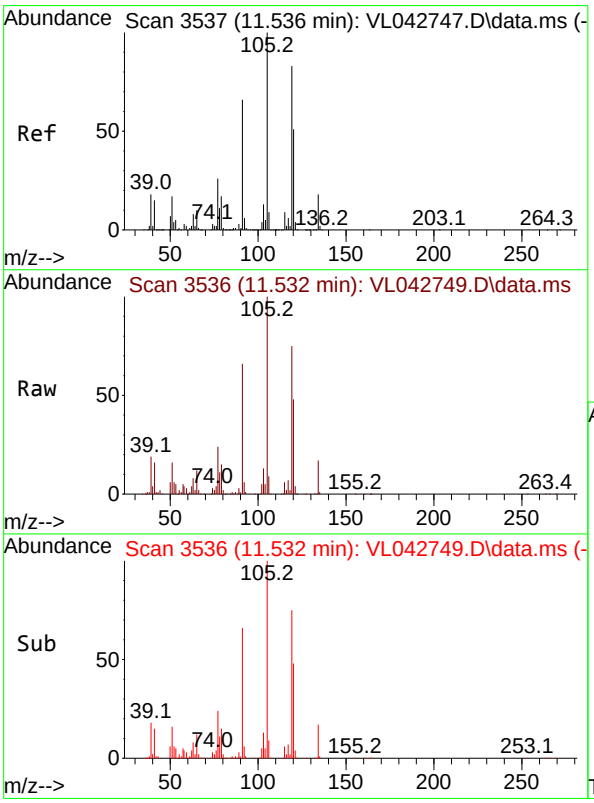
#73
1,3,5-Trimethylbenzene
Concen: 0.962 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 48901

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.8

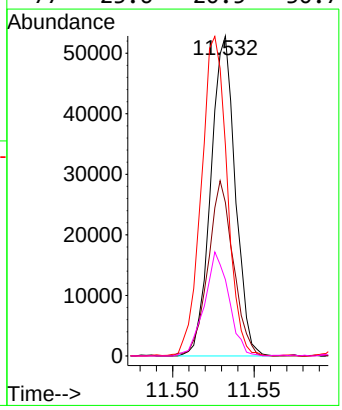


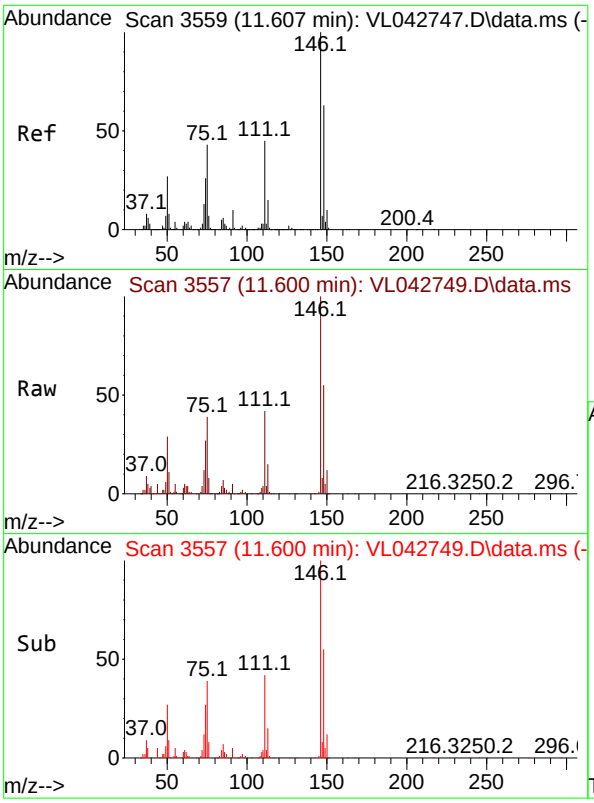


#74
1,2,4-Trimethylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153

Ion	Ratio	Lower	Upper
105	100		
120	48.0	40.8	61.2
91	65.8	53.0	79.4
77	23.6	20.5	30.7



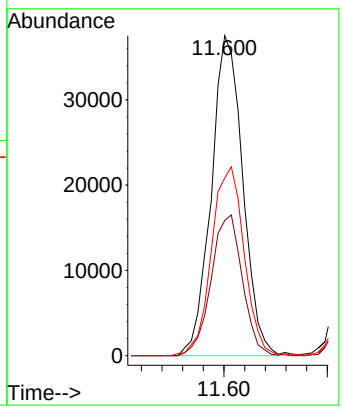


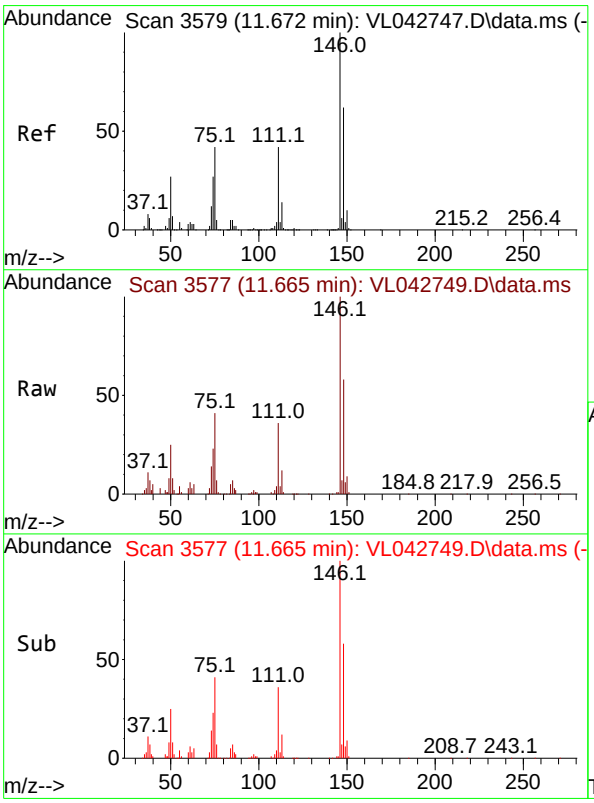
#75
1,3-Dichlorobenzene
Concen: 1.022 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 39753

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.7	68.0
148	61.0	31.9	95.5

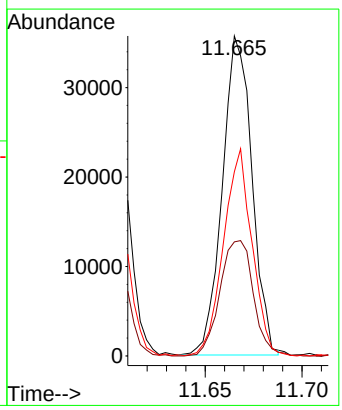


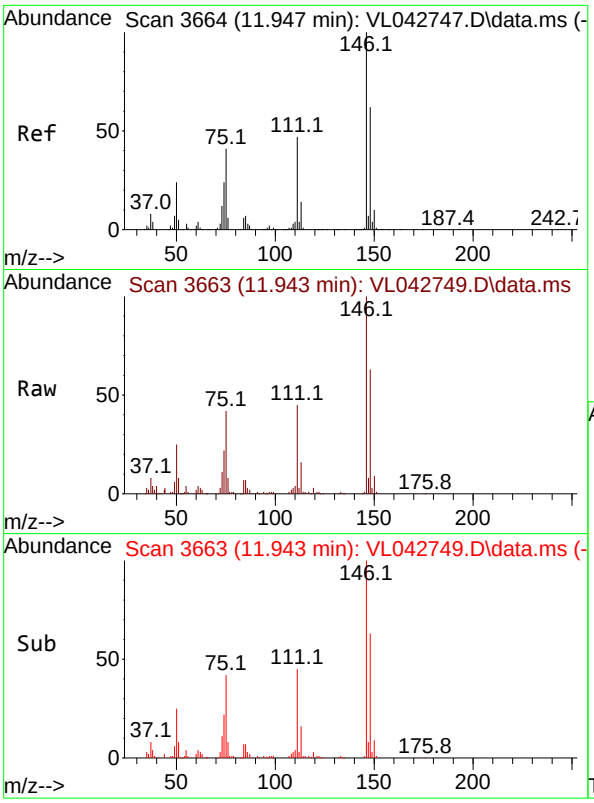


#76
1,4-Dichlorobenzene
Concen: 0.999 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 38018

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	63.1	32.1	96.3



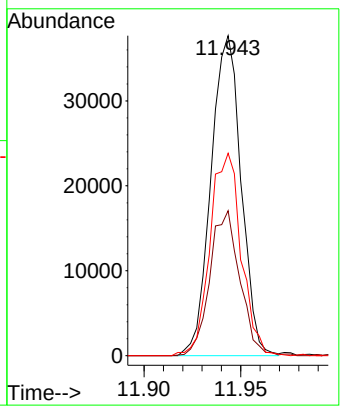


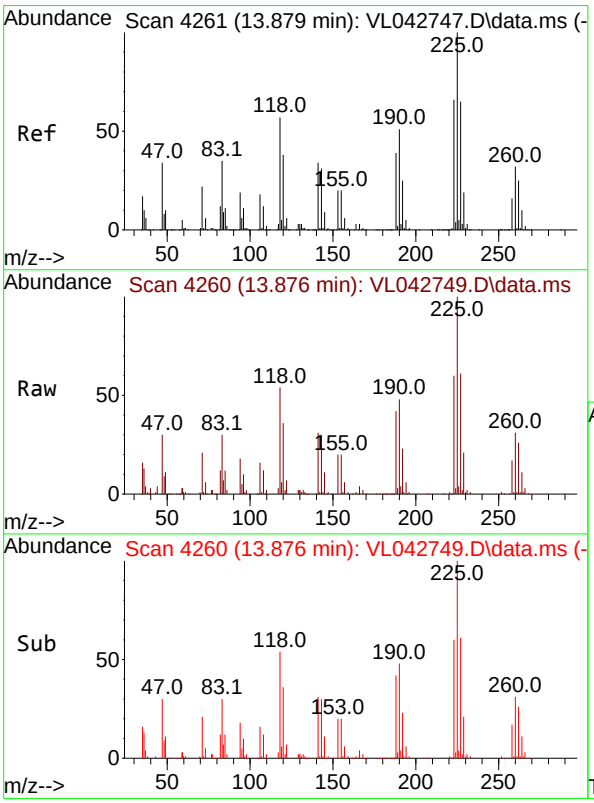
#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 40835

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.7	71.1
148	65.5	32.6	97.7

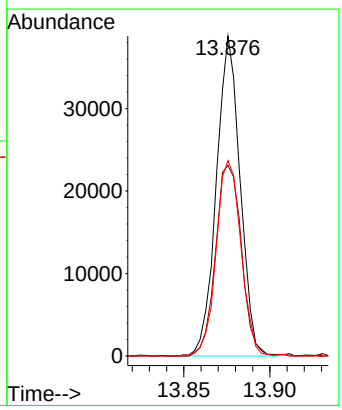


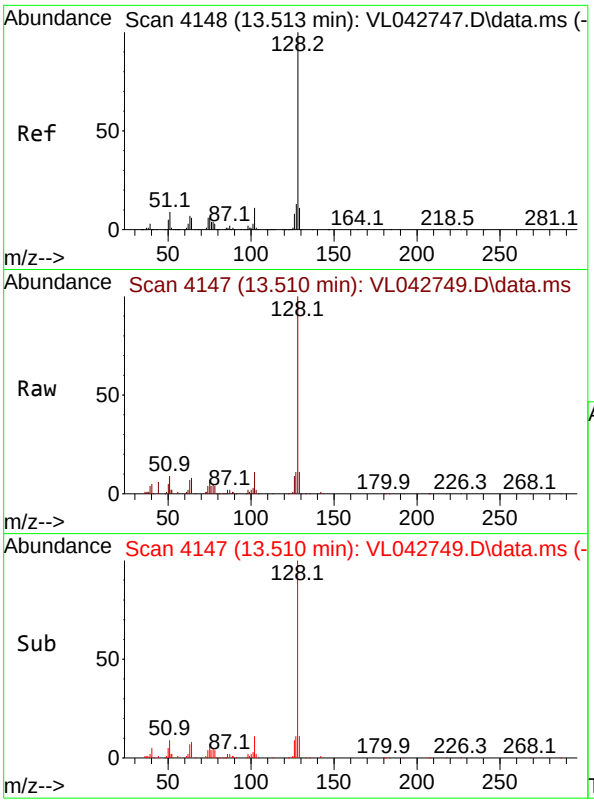


#78
Hexachloro-1,3-Butadiene
Concen: 1.076 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.7	76.1
227	63.9	50.5	75.7



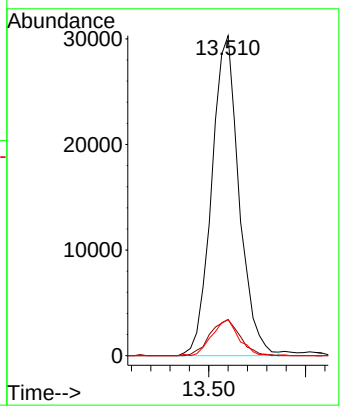


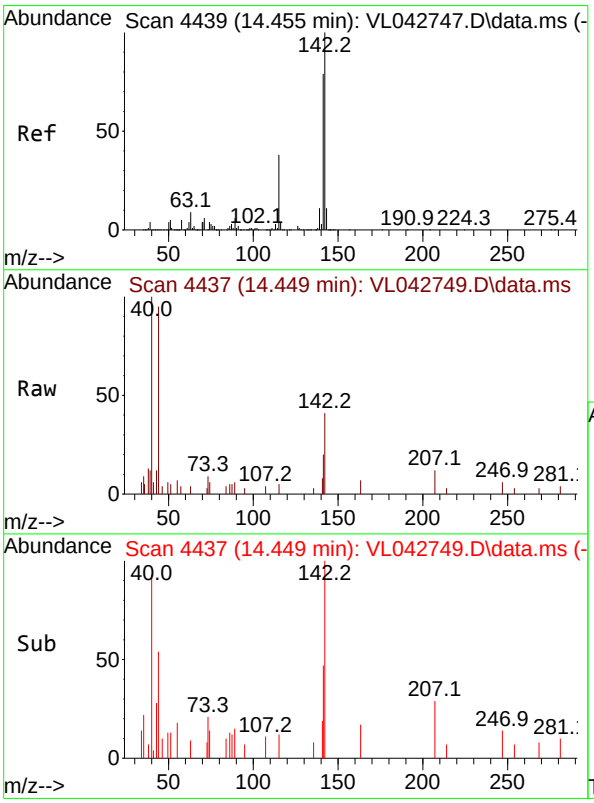
#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 29792

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.5	15.7
129	11.4	8.6	13.0

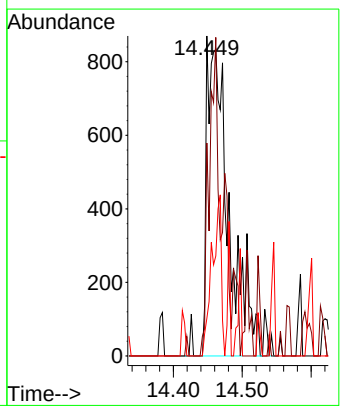


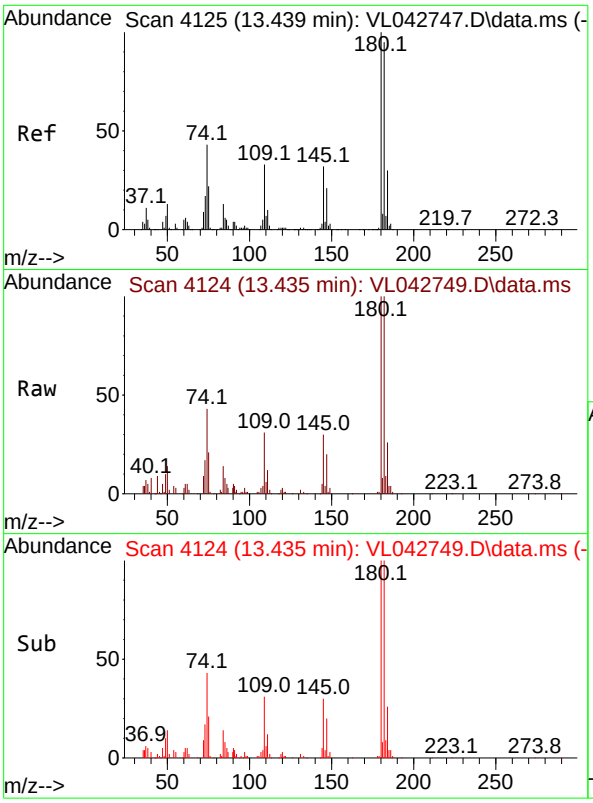


#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:142 Resp: 1950

Ion	Ratio	Lower	Upper
142	100		
141	63.5	65.8	98.8#
115	25.1	31.2	46.8#



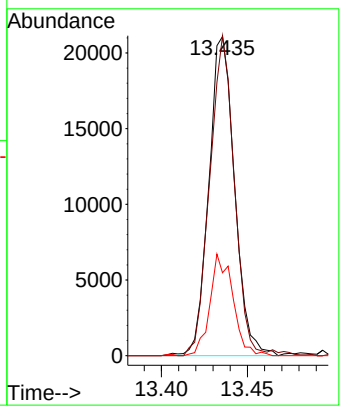


#81
1,2,4-Trichlorobenzene
Concen: 1.053 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 21929

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
184	28.7	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	151256	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv		98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv		97
4) Chloromethane	1.531	50	4428	0.547	ppbv		96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv		97
6) Bromomethane	1.667	94	1717	0.556	ppbv	#	38
7) Chloroethane	1.703	64	2102	0.681	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv		97
9) Propene	1.483	41	4695	0.496	ppbv	#	77
10) Heptane	4.978	43	9190	0.361	ppbv	#	66
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv		98
13) Ethanol	1.719	45	781	0.087	ppbv	#	1
14) Bromoethene	1.781	108	2971	0.536	ppbv	#	92
15) Acetone	1.836	43	14012	0.671	ppbv	#	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv		100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv	#	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv		77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv	#	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv		82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv	#	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv		88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv	#	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv	#	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv		97
26) Hexane	2.823	57	10019	0.494	ppbv		90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv	#	79
29) Chloroform	2.849	83	17100	0.546	ppbv	#	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv		89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv		99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv		97
34) 2-Butanone	2.557	43	16299	0.515	ppbv		94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv		90
36) Benzene	3.651	78	21800	0.515	ppbv		96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv	#	95
38) Trichloroethene	4.548	130	9150	0.448	ppbv		89
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv	#	90
40) 1,4-Dioxane	4.593	88	1378	0.187	ppbv	#	21
41) Tetrahydrofuran	3.056	42	4590	0.289	ppbv	#	42
42) Bromodichloromethane	4.487	83	10591	0.318	ppbv	#	95
43) Methyl Methacrylate	4.881	69	5938	0.394	ppbv	#	79
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv		93
45) t-1,3-Dichloropropene	6.412	75	5781	0.342	ppbv		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	3465	0.162	ppbv		90
47) 1,1,2-Trichloroethane	6.584	97	4878	0.293	ppbv	#	88
48) Dibromochloromethane	7.383	129	8515	0.322	ppbv	#	49
49) Bromoform	9.481	173	10801	0.468	ppbv		97
50) 4-Methyl-2-Pentanone	5.752	43	5736	0.142	ppbv	#	40
51) 2-Hexanone	7.442	43	6572	0.213	ppbv	#	30
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv	#	81
53) Toluene	6.924	91	21324	0.469	ppbv		95
54) 1,2-Dibromoethane	7.649	107	6536	0.277	ppbv		82
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv	#	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv	#	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv		96
59) m/p-Xylene	9.549	91	17145	0.332	ppbv	#	1
60) o-Xylene	9.963	91	23603	0.458	ppbv		100
61) Styrene	9.872	104	9195	0.424	ppbv		97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv		99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv		99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv		95
66) Benzyl Chloride	11.607	91	845	0.152	ppbv	#	28
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv		100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv		99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv		99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv		97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv	#	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv		96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv		96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv		97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv		99
79) Naphthalene	13.514	128	9916	0.592	ppbv		97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv	#	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv		95

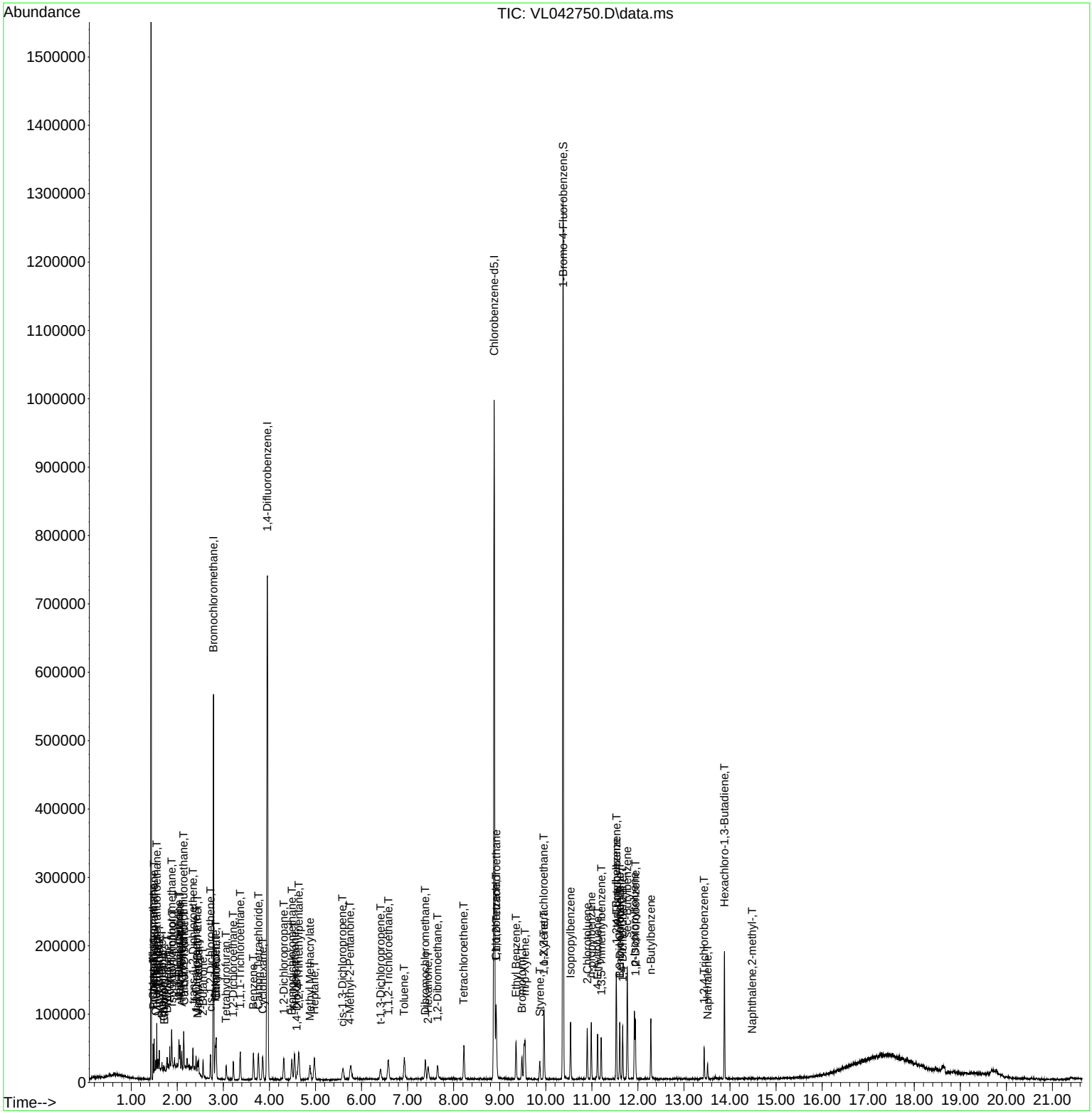
(#) = qualifier out of range (m) = manual integration (+) = signals summed

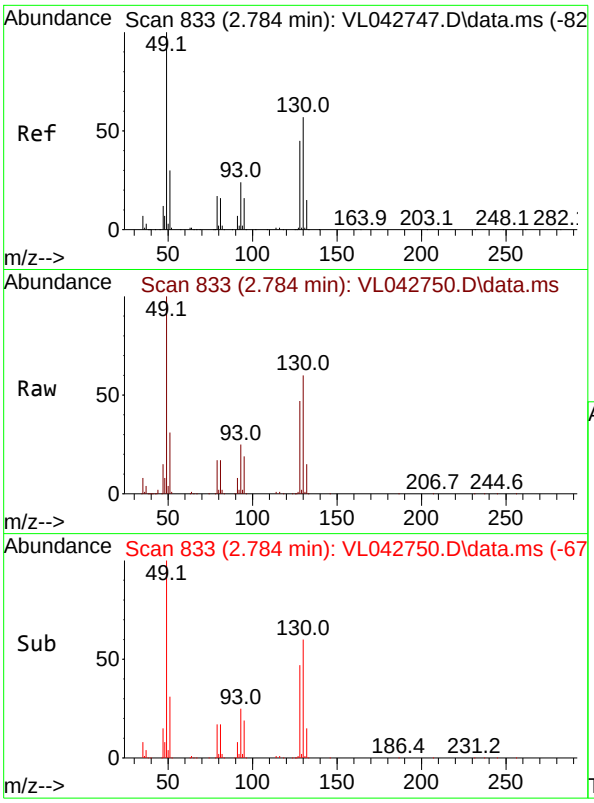
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



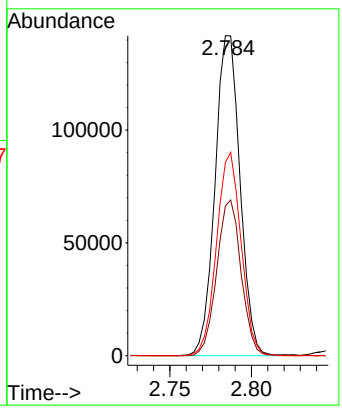


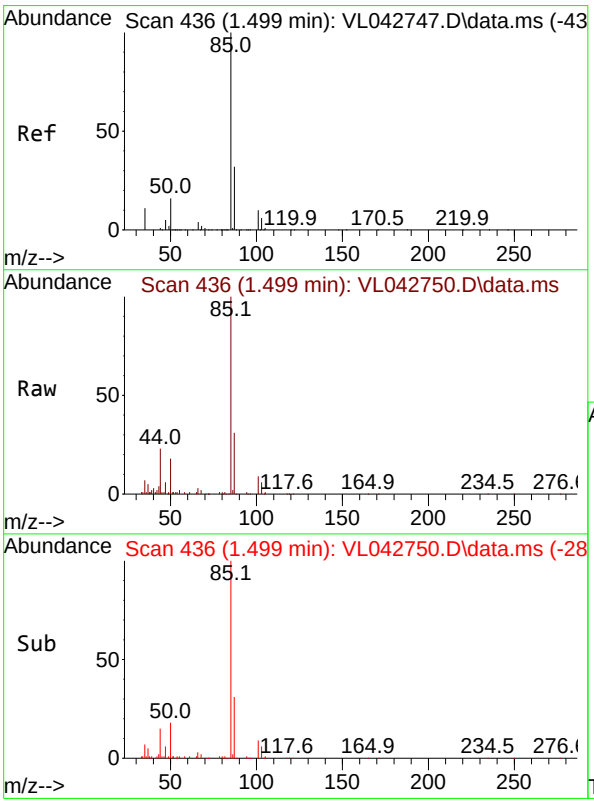
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 151256

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	62.2	30.3	90.8

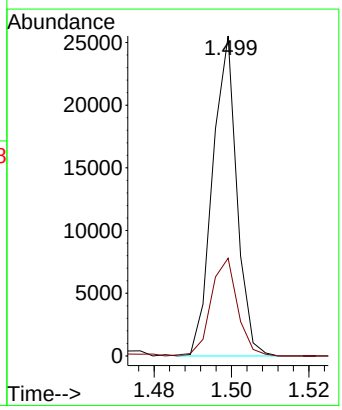


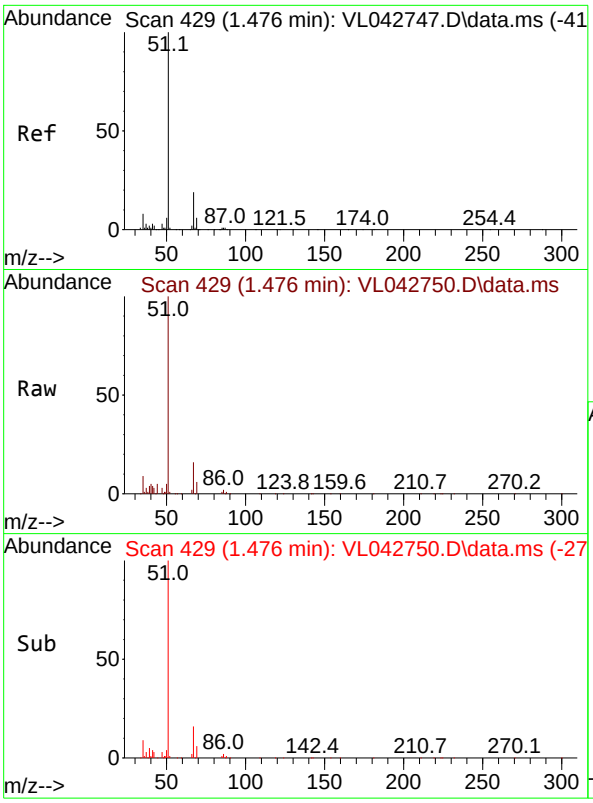


#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 11099

Ion	Ratio	Lower	Upper
85	100		
87	30.6	25.4	38.2



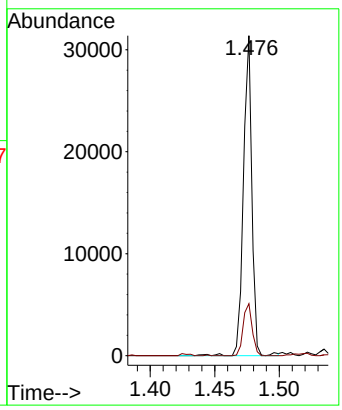


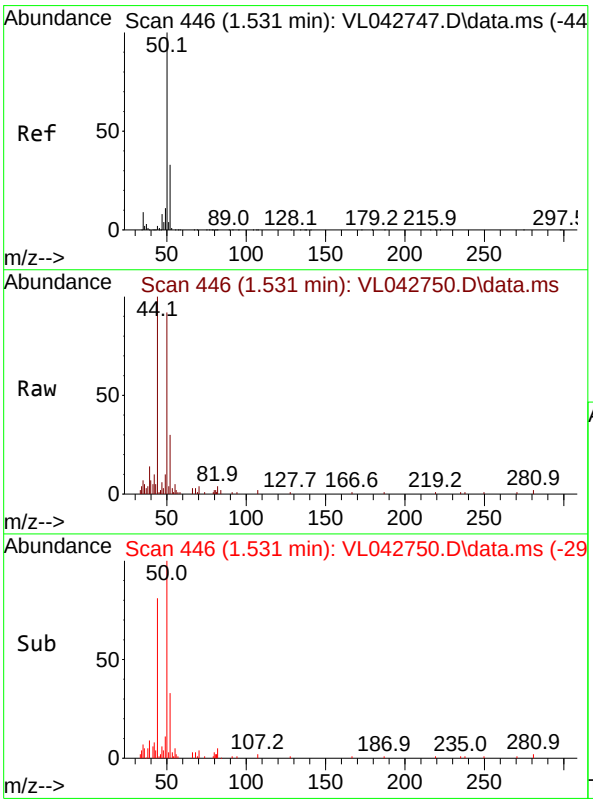
#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 14291

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.0	22.6

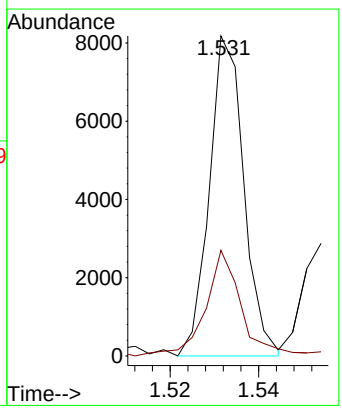


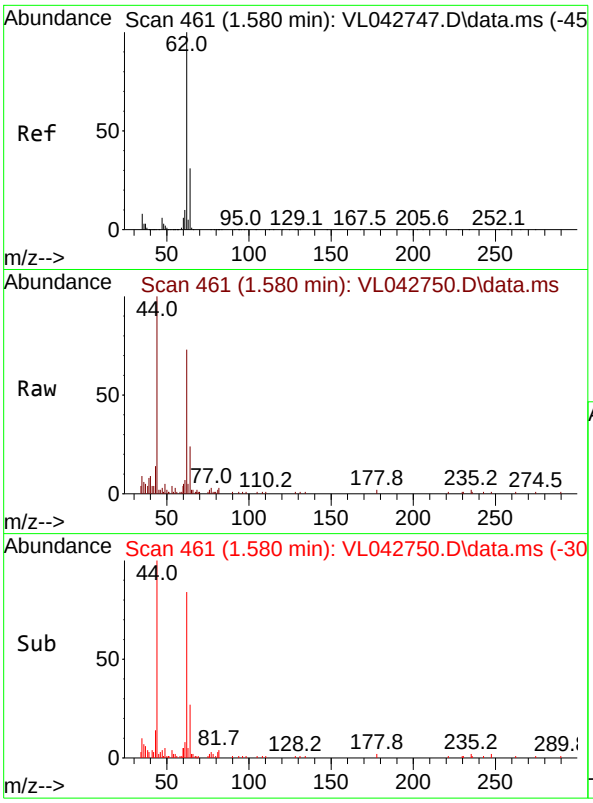


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 50 Resp: 4428

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



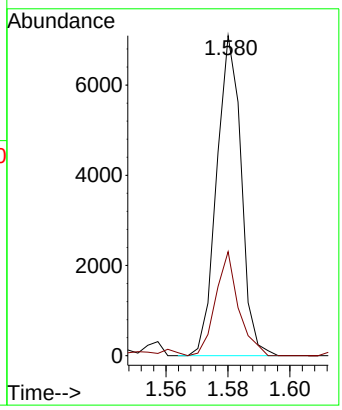


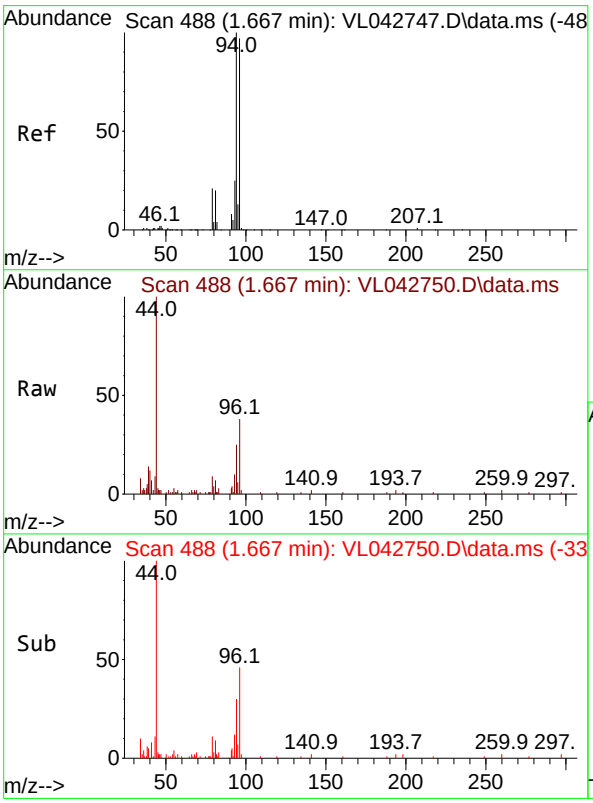
#5
Vinyl Chloride
Concen: 0.488 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 3902

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7

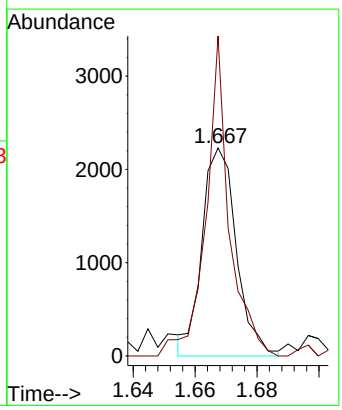


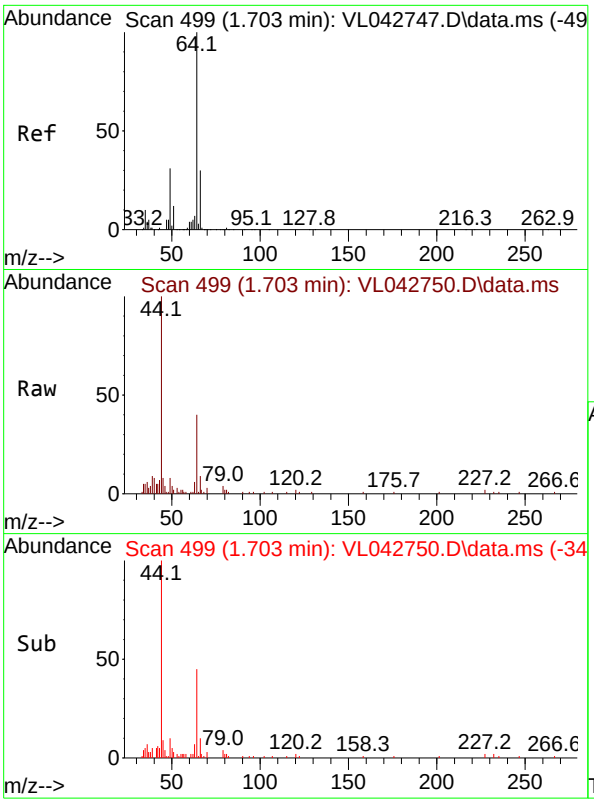


#6
Bromomethane
Concen: 0.556 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 94 Resp: 1717

Ion	Ratio	Lower	Upper
94	100		
96	157.5	77.6	116.4#



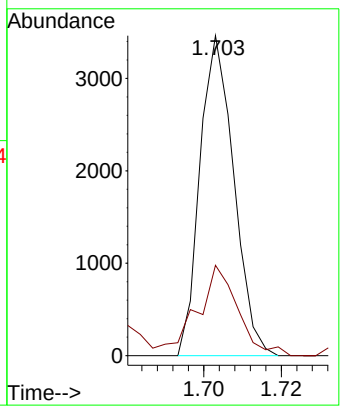


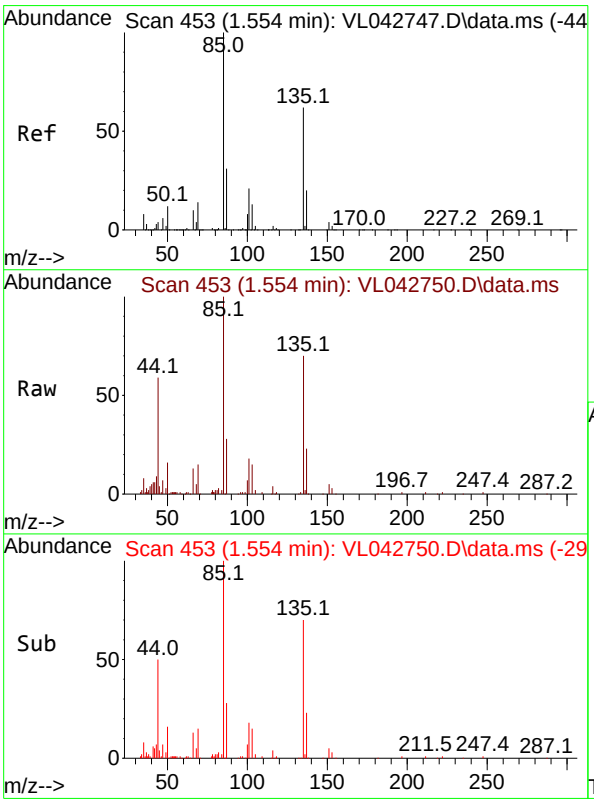
#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 2102

Ion	Ratio	Lower	Upper
64	100		
66	28.3	24.1	36.1

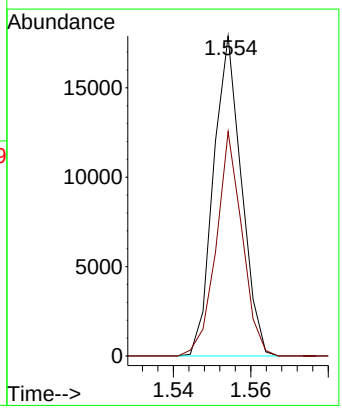


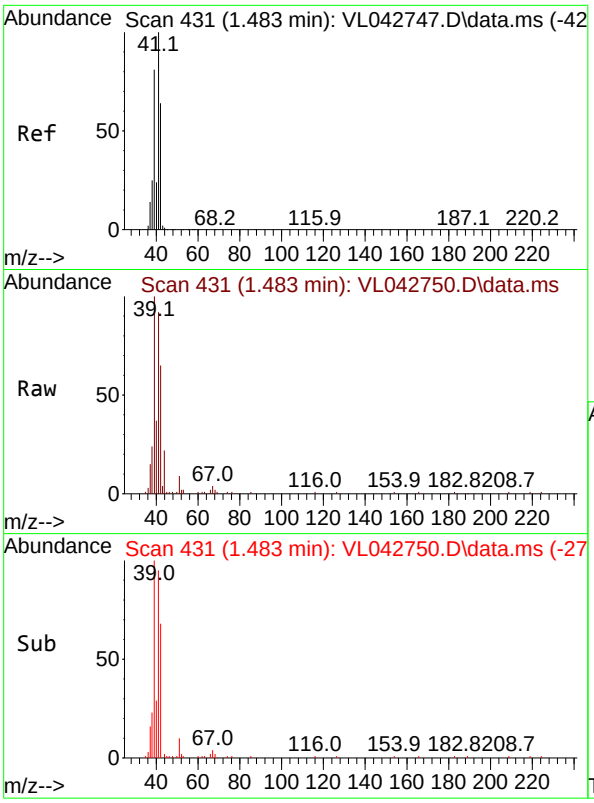


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 8971

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0



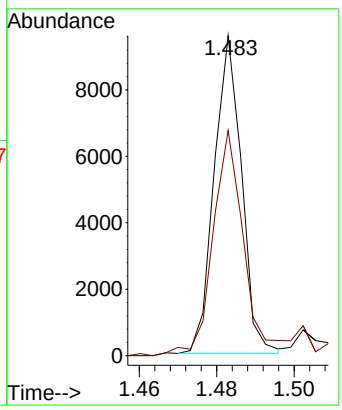


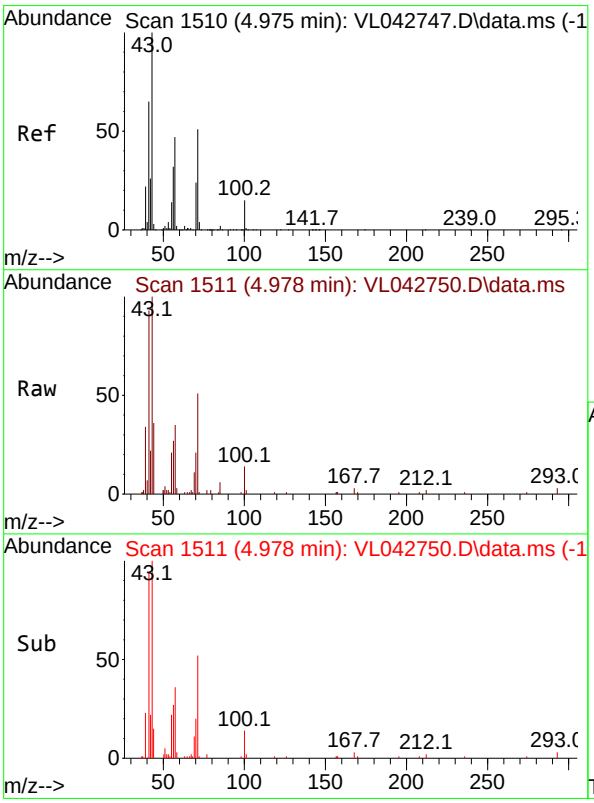
#9
Propene
Concen: 0.496 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 4695

Ion	Ratio	Lower	Upper
41	100		
42	84.9	53.2	79.8#

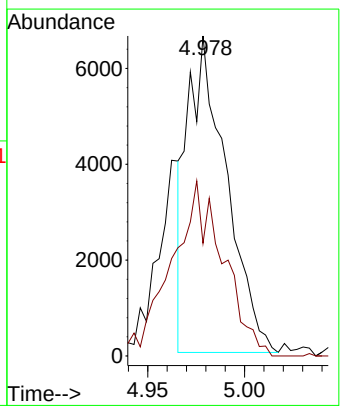


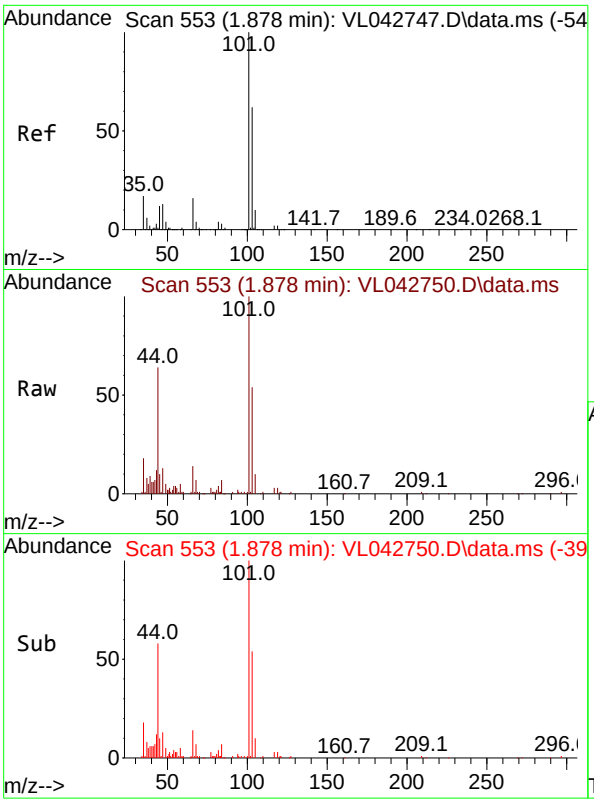


#10
Heptane
Concen: 0.361 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 9190

Ion	Ratio	Lower	Upper
43	100		
57	73.4	39.9	59.9#



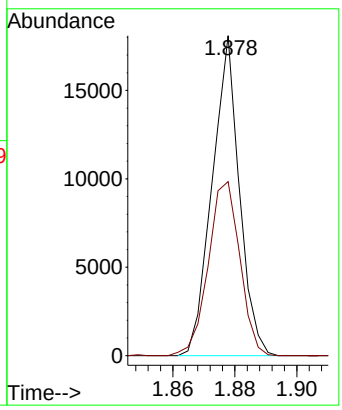


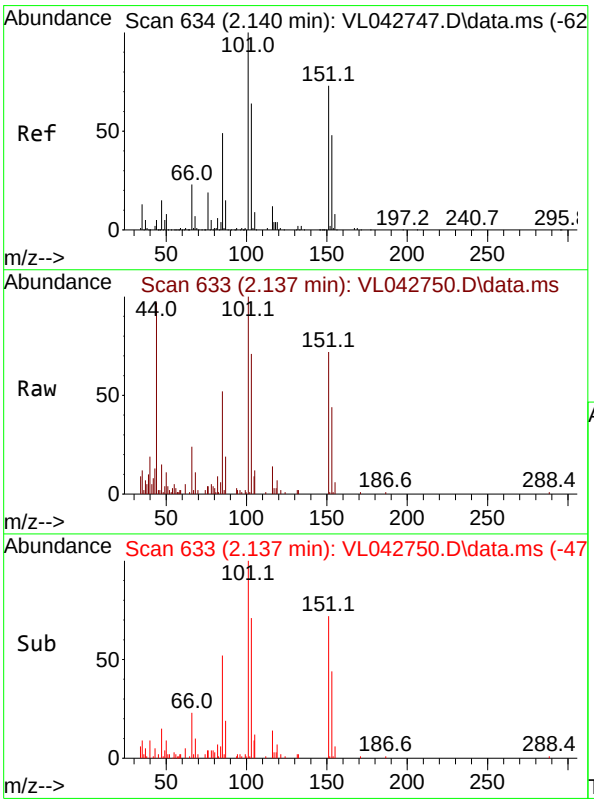
#11
Trichlorofluoromethane
Concen: 0.535 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 11021

Ion	Ratio	Lower	Upper
101	100		
103	54.4	49.6	74.4

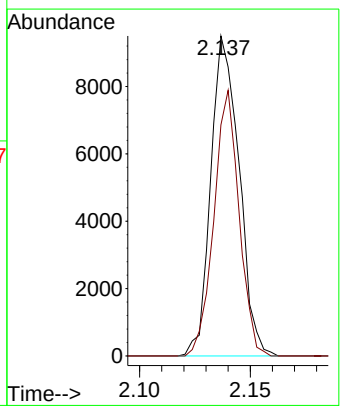


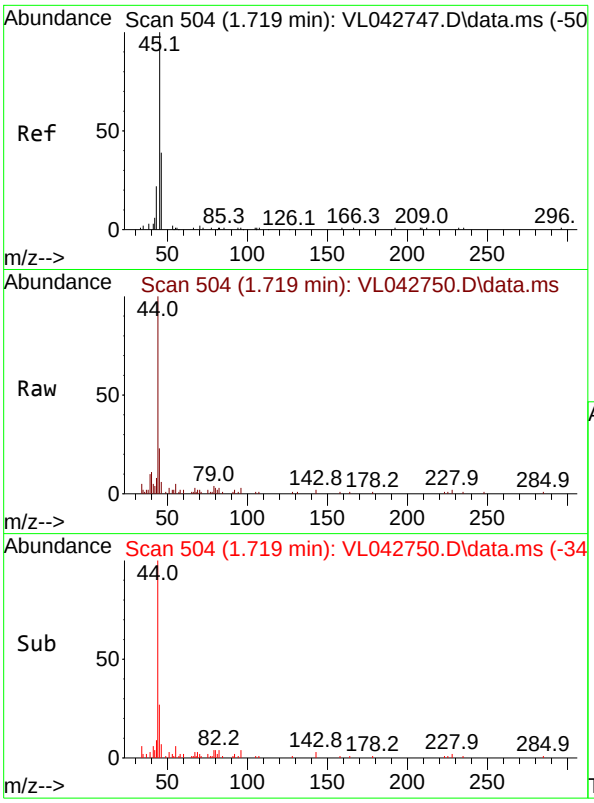


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.538 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 8430

Ion	Ratio	Lower	Upper
101	100		
151	74.0	60.5	90.7



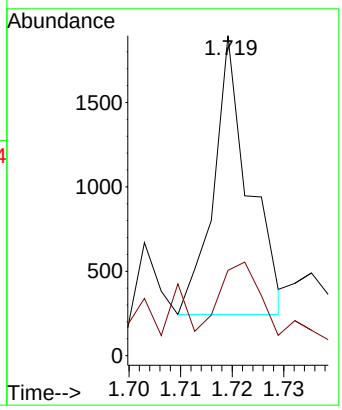


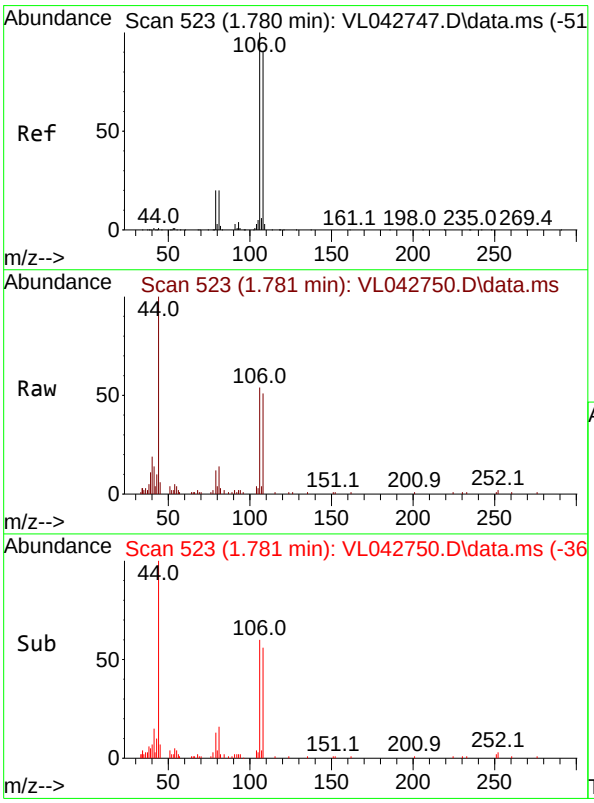
#13
Ethanol
Concen: 0.087 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 781

Ion	Ratio	Lower	Upper
45	100		
46	110.8	17.8	71.4#

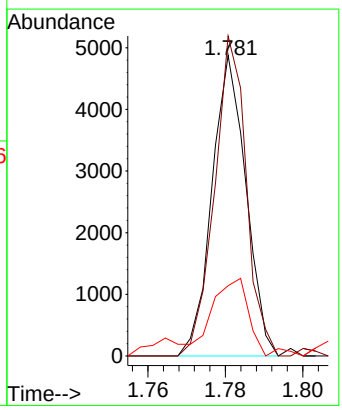


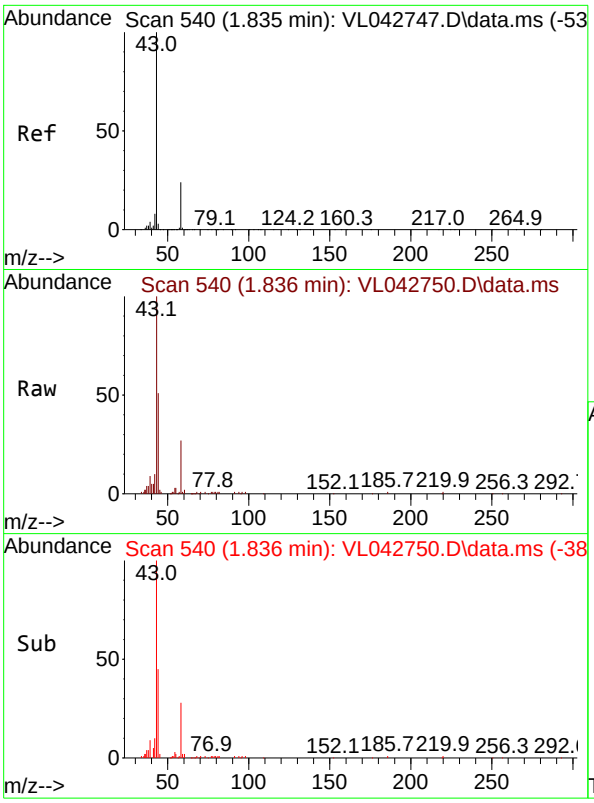


#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:108 Resp: 2971

Ion	Ratio	Lower	Upper
108	100		
106	102.0	84.7	127.1
79	35.4	17.4	26.2#



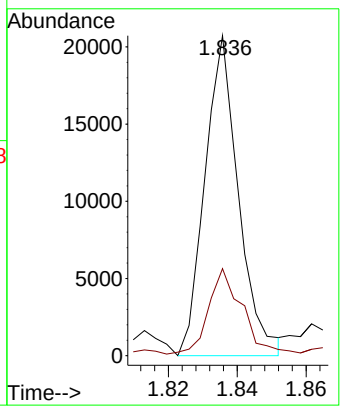


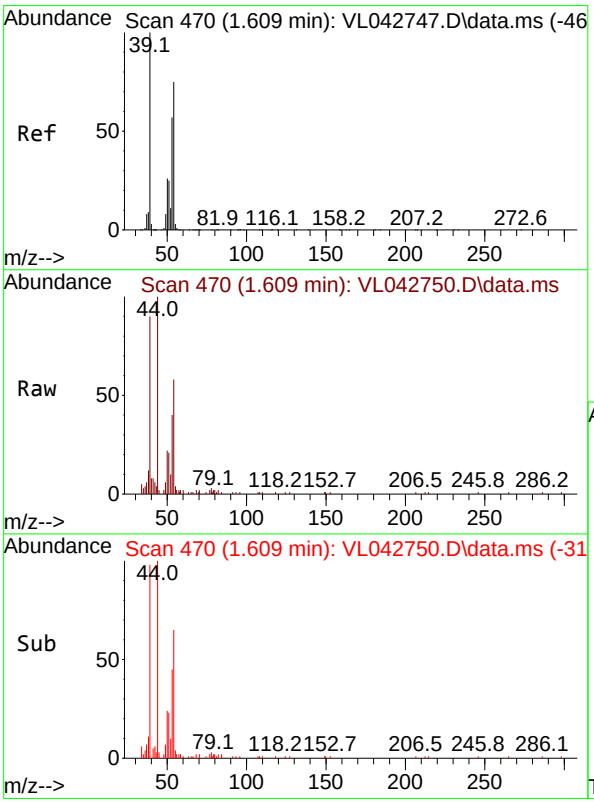
#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 14012

Ion	Ratio	Lower	Upper
43	100		
58	30.8	19.8	29.8#

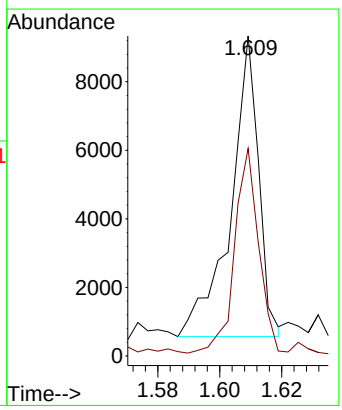


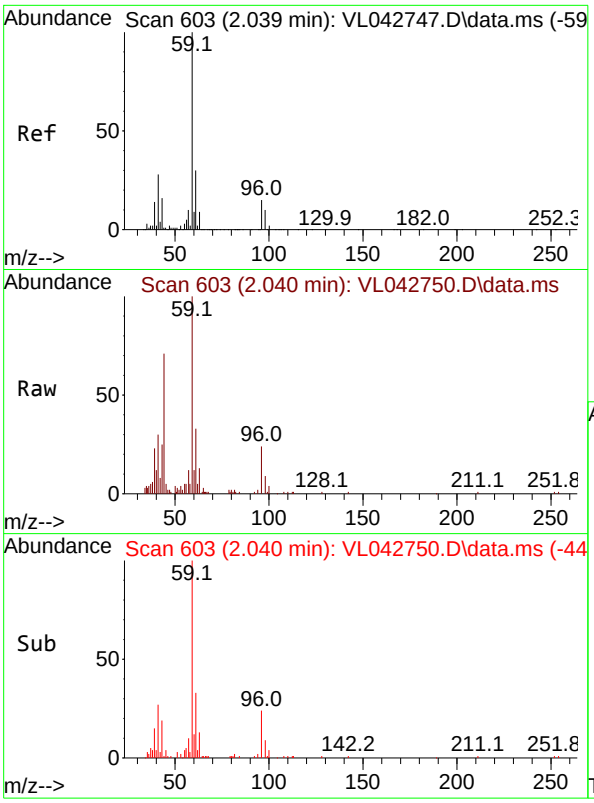


#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 39 Resp: 5488

Ion	Ratio	Lower	Upper
39	100		
54	67.8	54.5	81.7



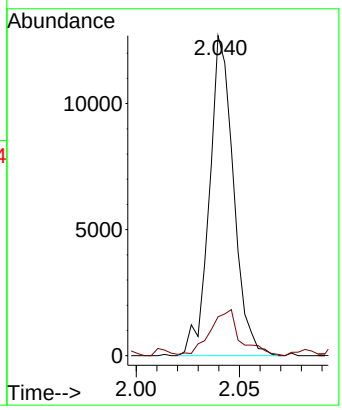


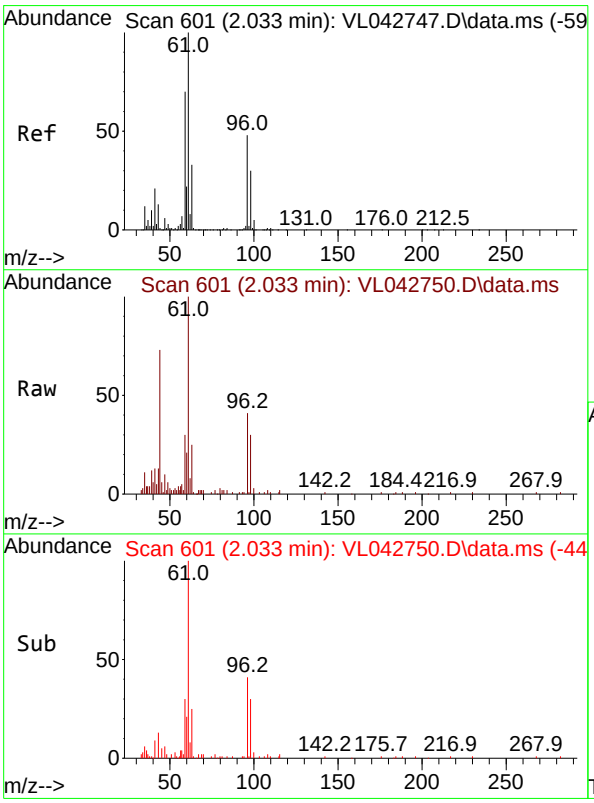
#17
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 10333

Ion	Ratio	Lower	Upper
59	100		
57	19.1	8.3	12.5#

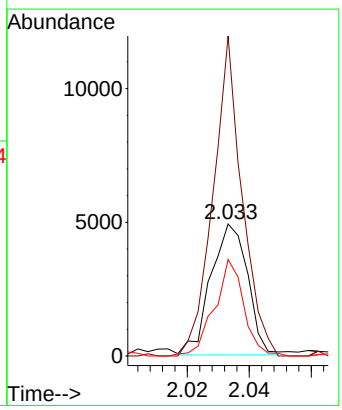


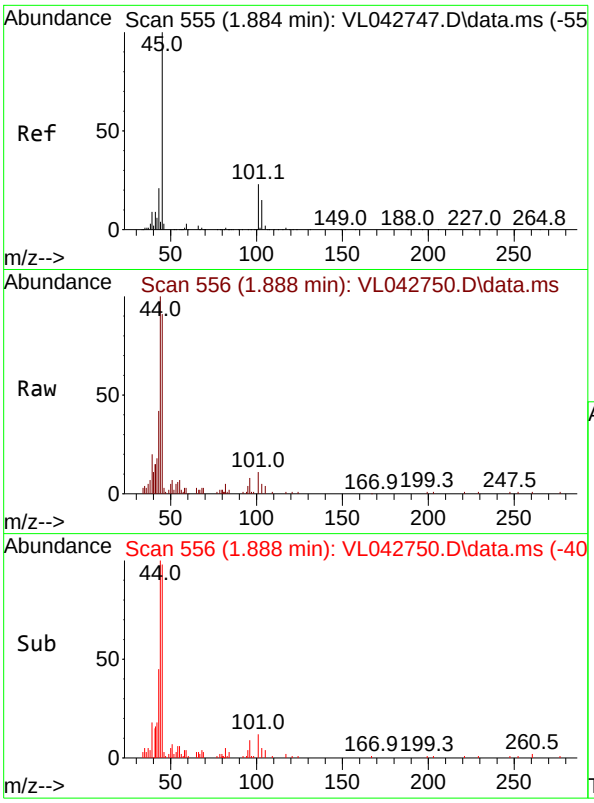


#18
1,1-Dichloroethene
Concen: 0.572 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4051

Ion	Ratio	Lower	Upper
96	100		
61	246.6	165.8	248.6
98	72.7	49.9	74.9



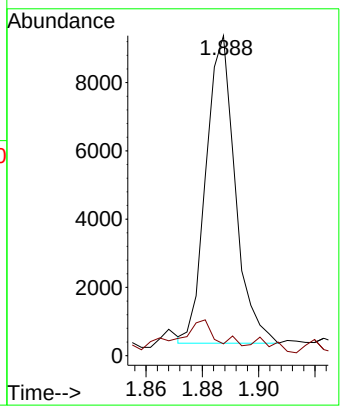


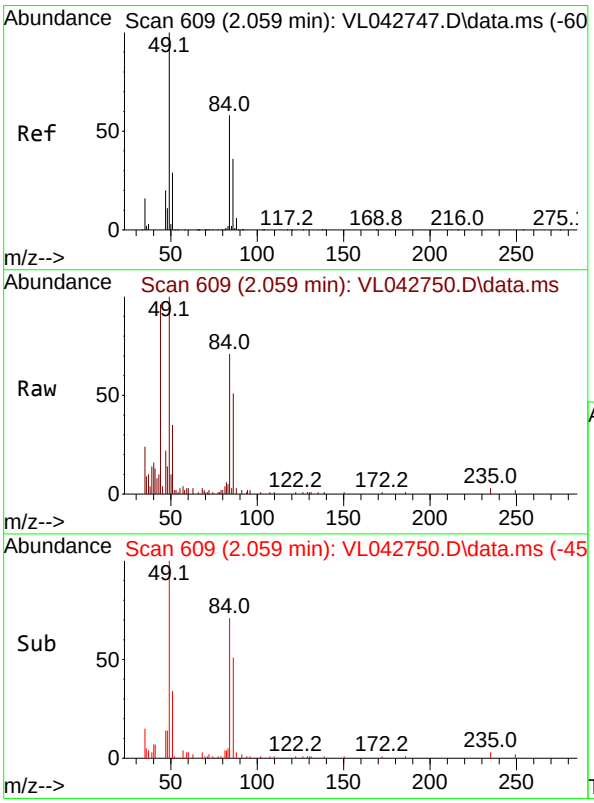
#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6478

Ion	Ratio	Lower	Upper
45	100		
58	25.9	30.0	45.0#

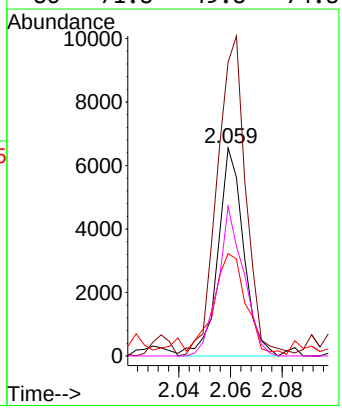


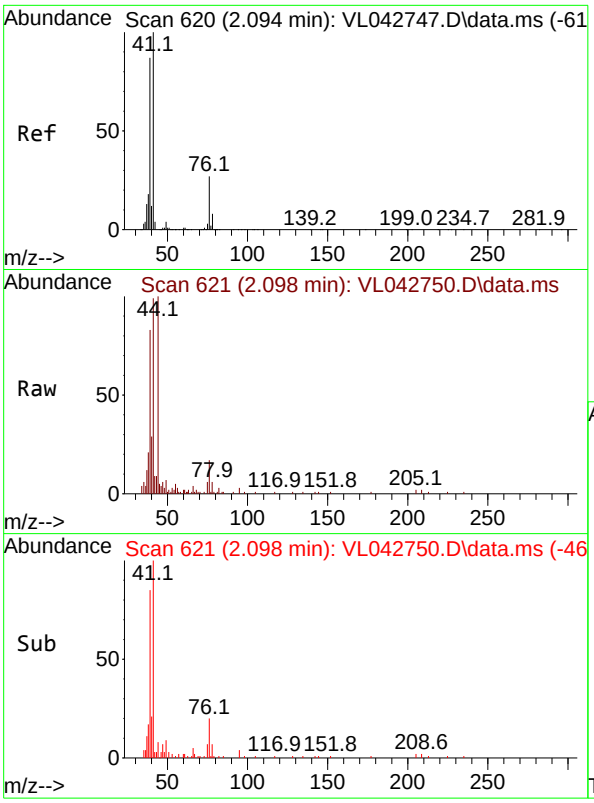


#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500

Ion	Ratio	Lower	Upper
84	100		
49	141.2	138.6	208.0
51	46.8	40.6	61.0
86	71.8	49.8	74.8



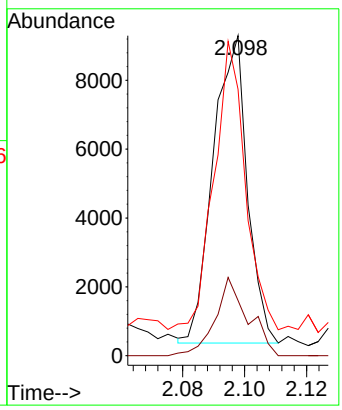


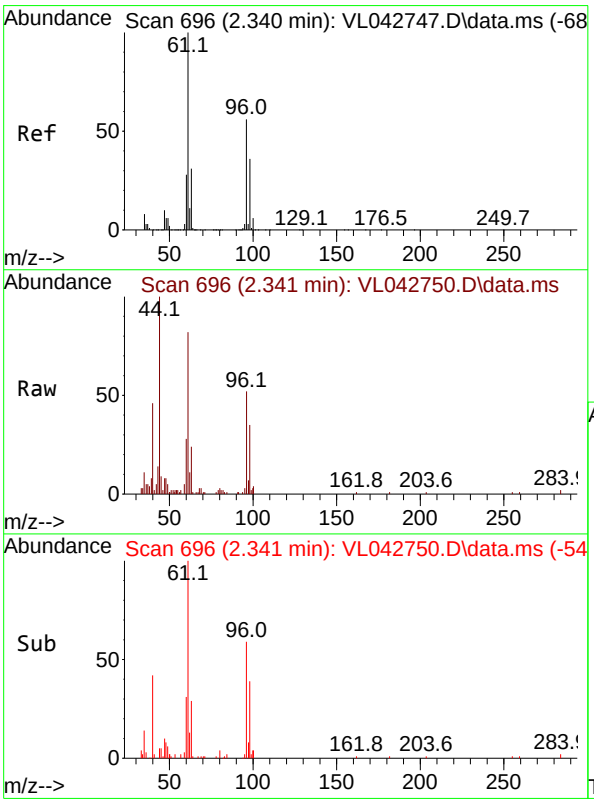
#21
Allyl Chloride
Concen: 0.531 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 6829

Ion	Ratio	Lower	Upper
41	100		
76	24.4	21.1	31.7
39	108.8	68.3	102.5#

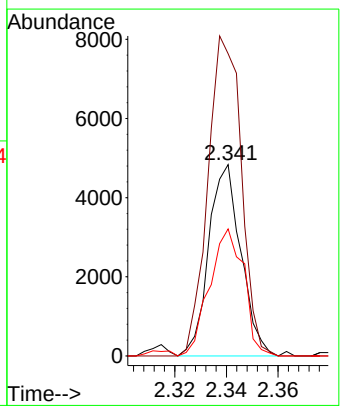


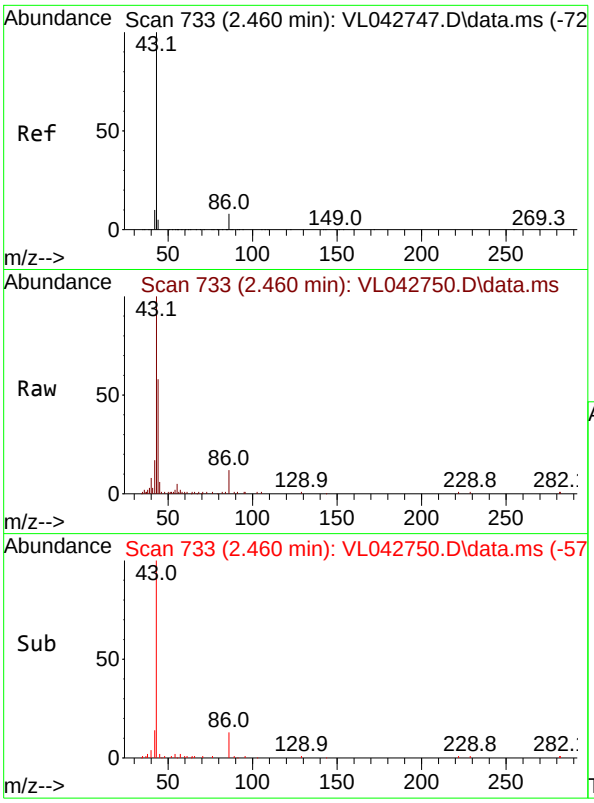


#22
trans-1,2-Dichloroethene
Concen: 0.551 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4186

Ion	Ratio	Lower	Upper
96	100		
61	157.9	142.3	213.5
98	66.4	50.6	76.0



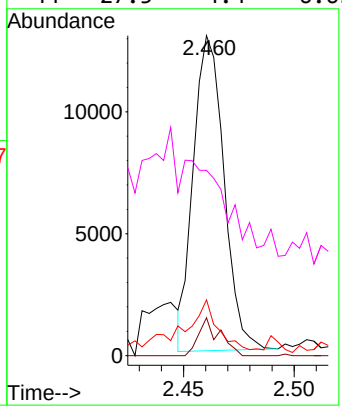


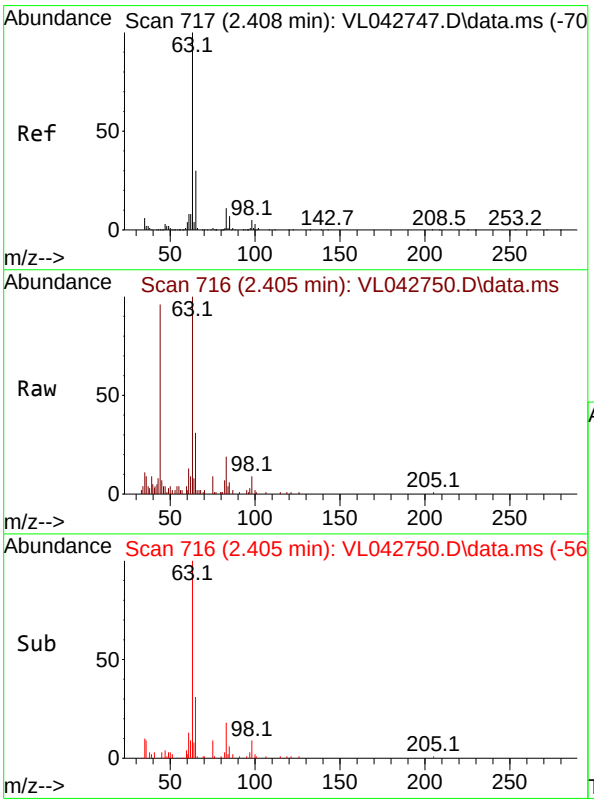
#23
Vinyl Acetate
Concen: 0.491 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 12423

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.1	9.1#
42	13.5	7.8	11.8#
44	27.5	4.4	6.6#

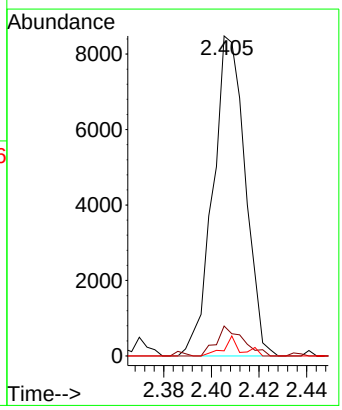


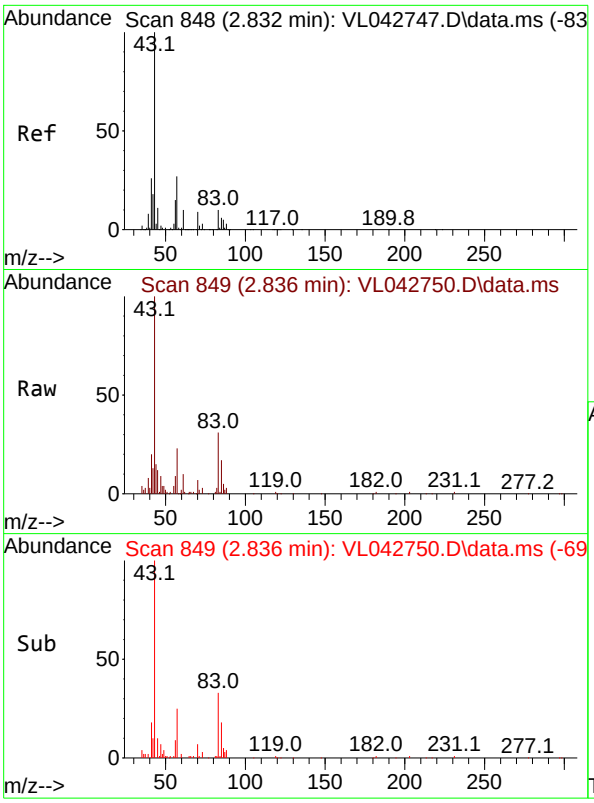


#24
1,1-Dichloroethane
Concen: 0.509 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 7962

Ion	Ratio	Lower	Upper
63	100		
98	9.4	2.5	7.4#
100	2.8	1.6	4.8



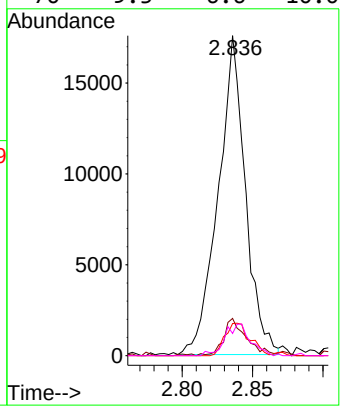


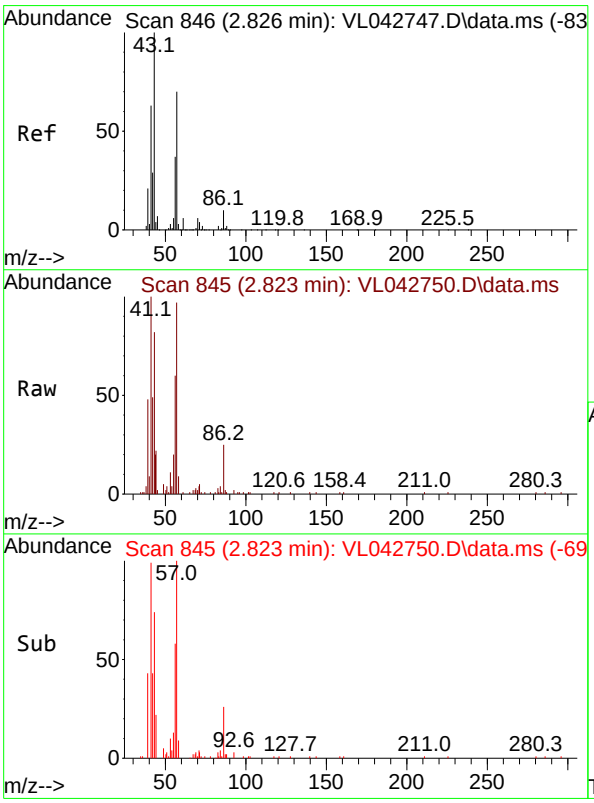
#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 23632

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.8	6.7	10.1
70	9.3	6.6	10.0

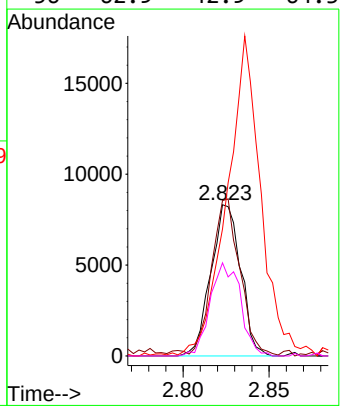


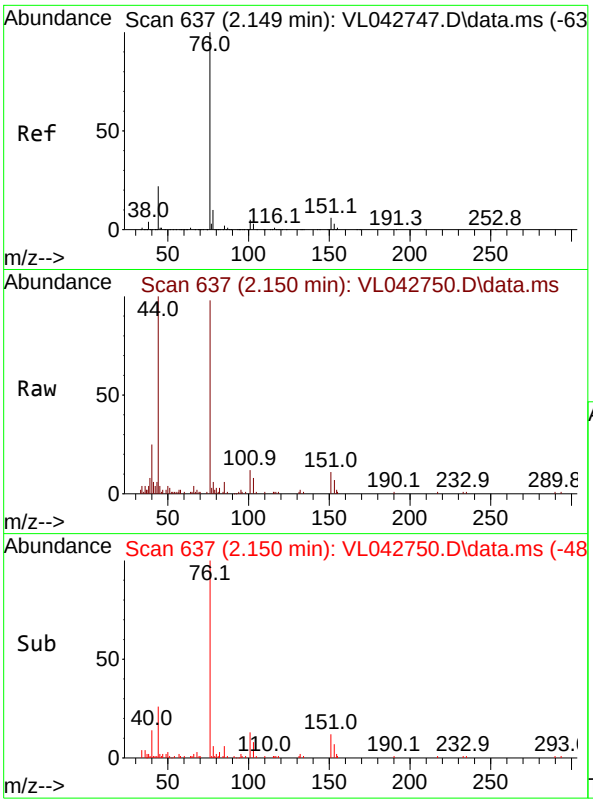


#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 10019

Ion	Ratio	Lower	Upper
57	100		
41	107.1	75.4	113.2
43	244.9	185.0	277.6
56	62.9	42.9	64.3



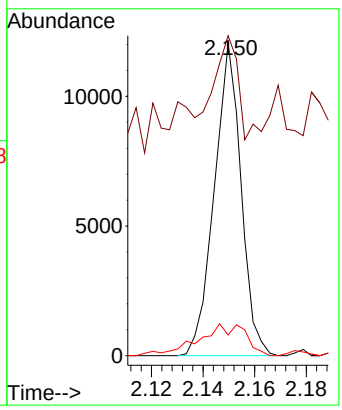


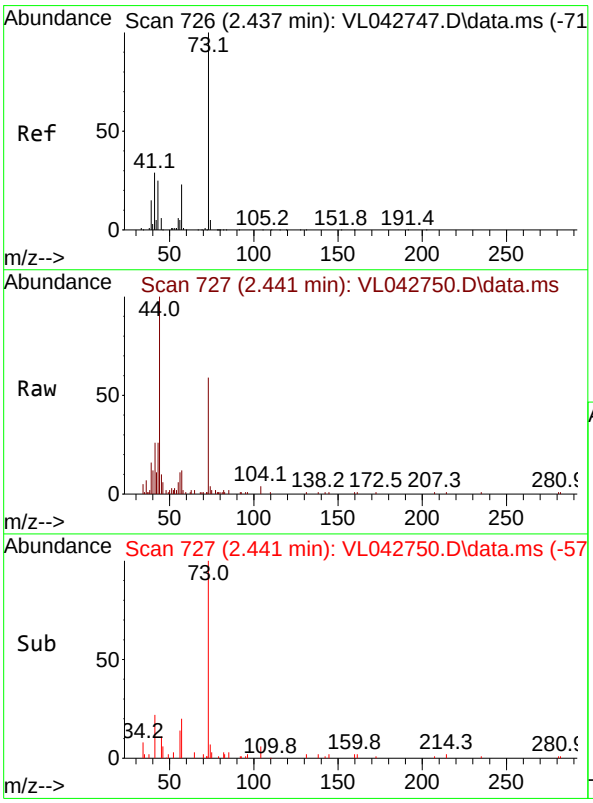
#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 8670

Ion	Ratio	Lower	Upper
76	100		
44	203.7	19.3	28.9#
78	19.1	9.9	14.9#

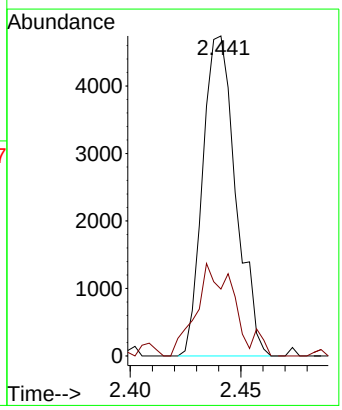


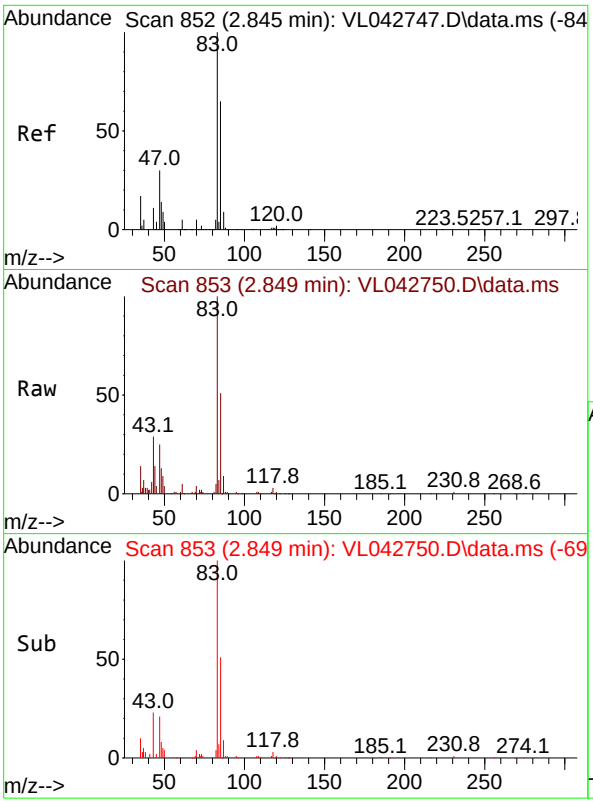


#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 73 Resp: 4937

Ion	Ratio	Lower	Upper
73	100		
57	35.2	19.8	29.8#



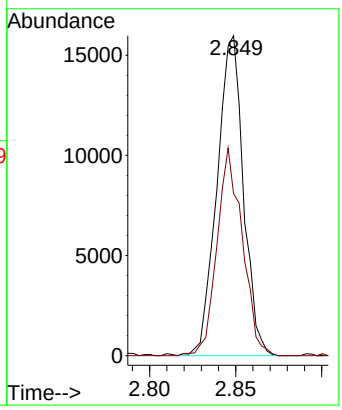


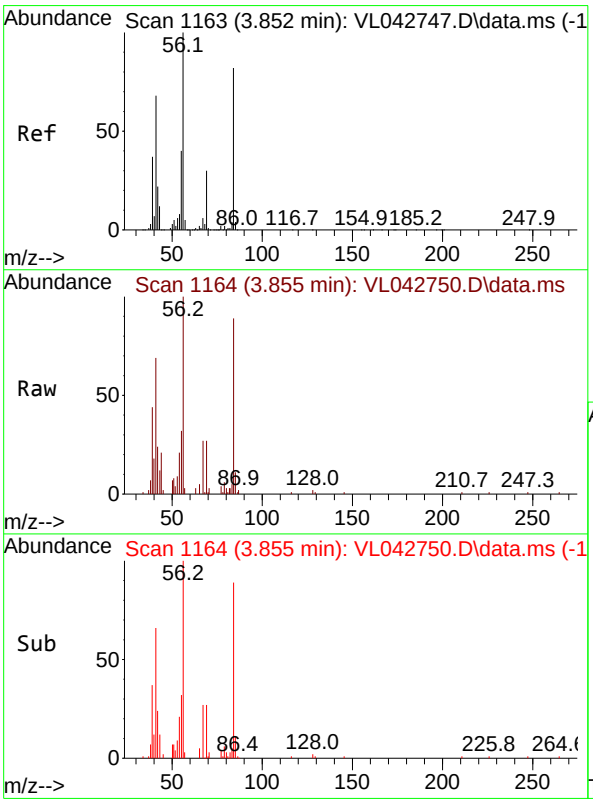
#29
Chloroform
Concen: 0.546 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 17100

Ion	Ratio	Lower	Upper
83	100		
85	50.7	52.2	78.2#

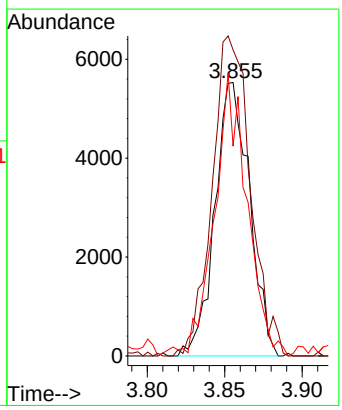


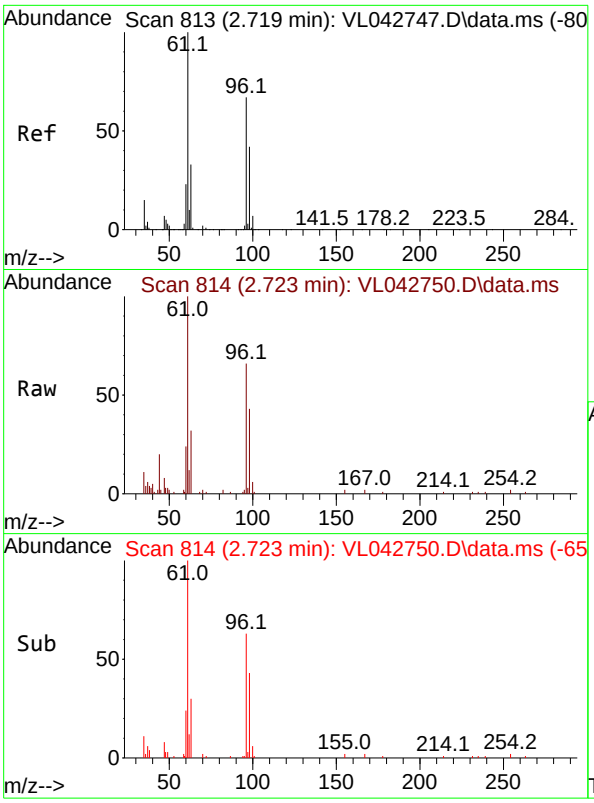


#30
Cyclohexane
Concen: 0.500 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 8596

Ion	Ratio	Lower	Upper
84	100		
56	129.6	97.5	146.3
41	98.8	67.2	100.8



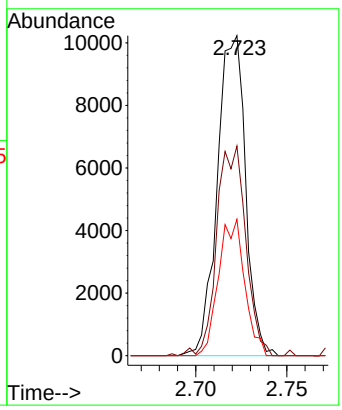


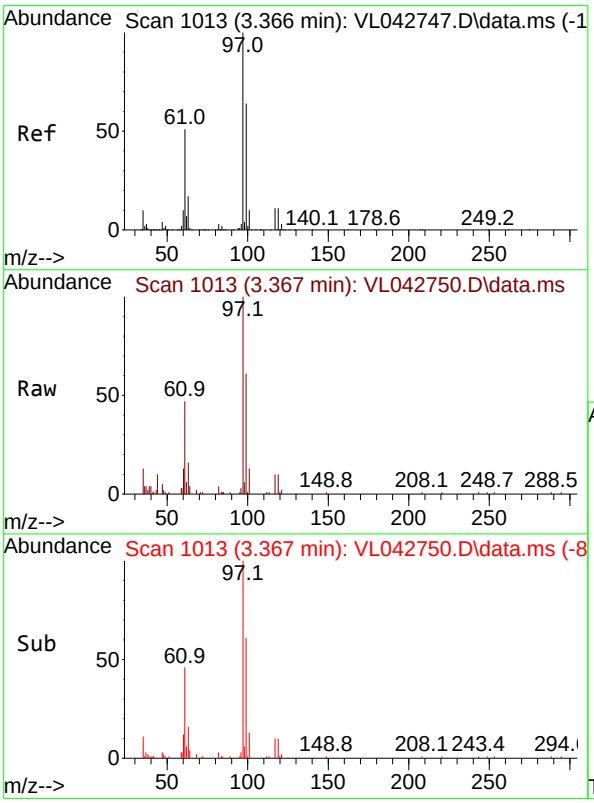
#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 11032

Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.5	80.3
98	42.6	33.6	50.4

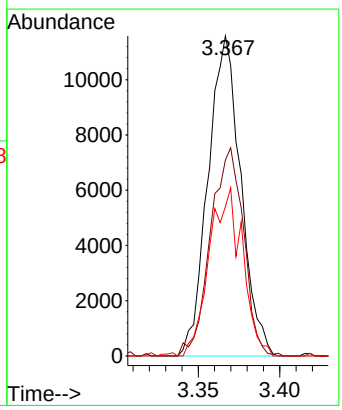


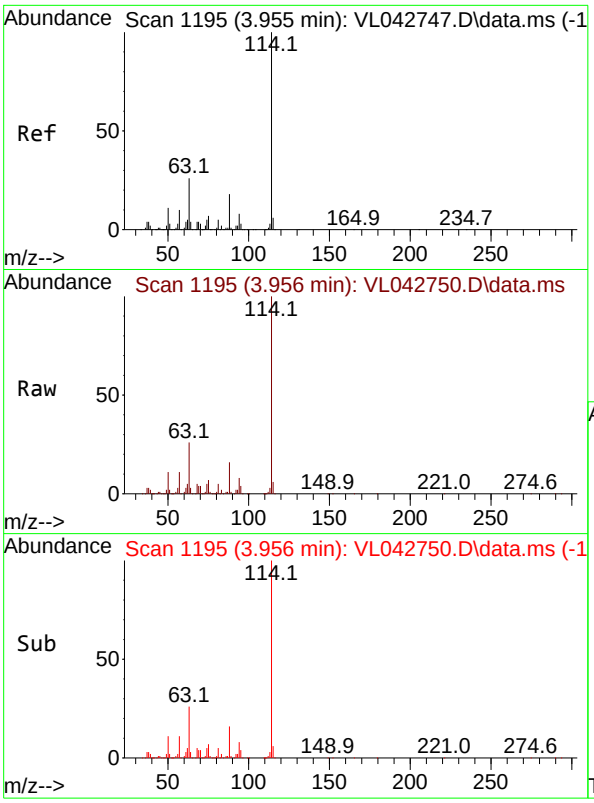


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 16132

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	53.8	40.9	61.3



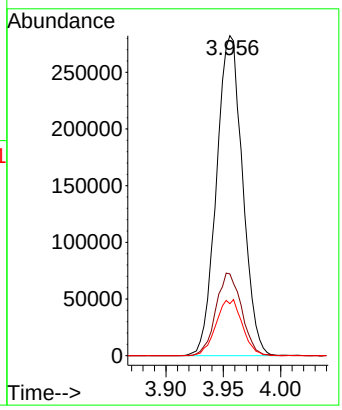


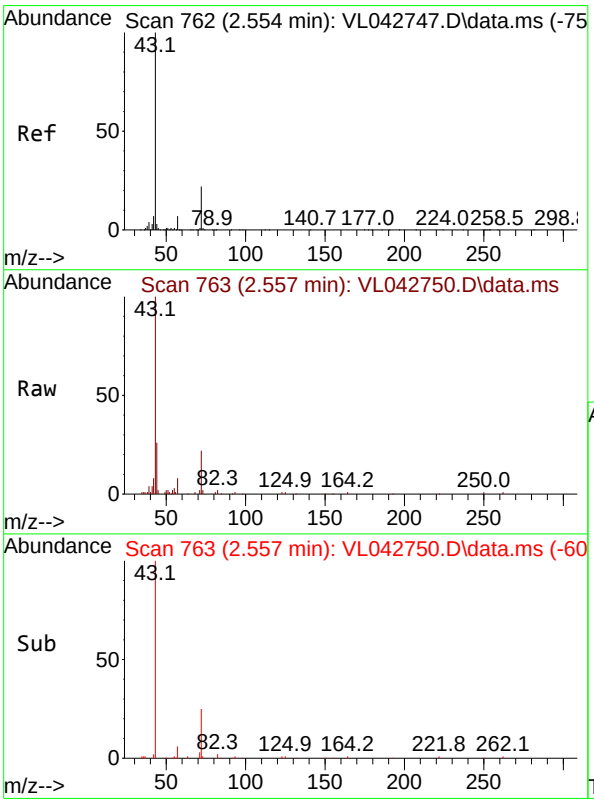
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 446836

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.7	14.0	21.0

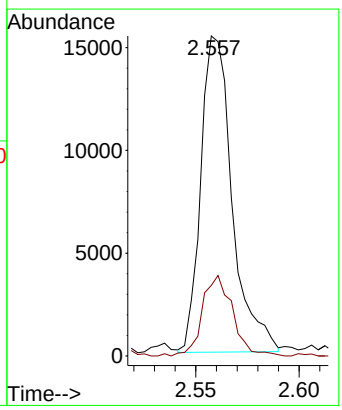


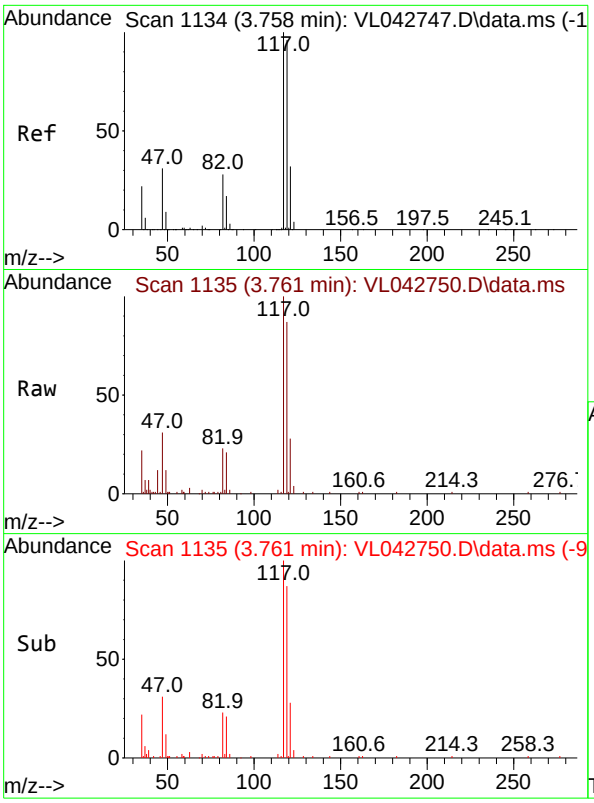


#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 16299

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0



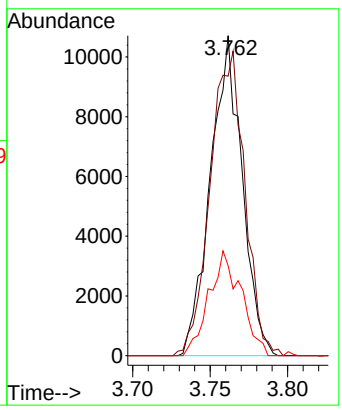


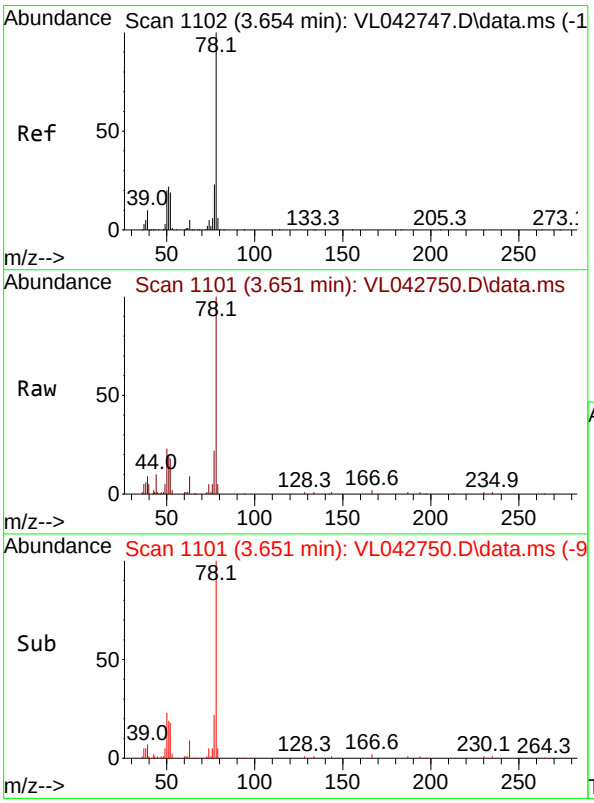
#35
Carbon Tetrachloride
Concen: 0.458 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 15207

Ion	Ratio	Lower	Upper
117	100		
119	86.0	77.1	115.7
121	28.2	25.5	38.3

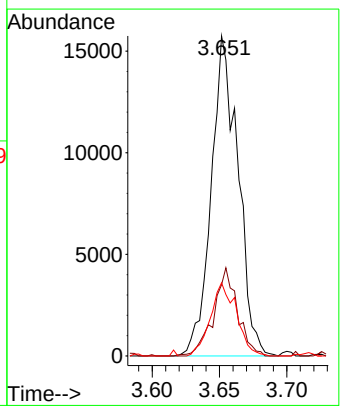


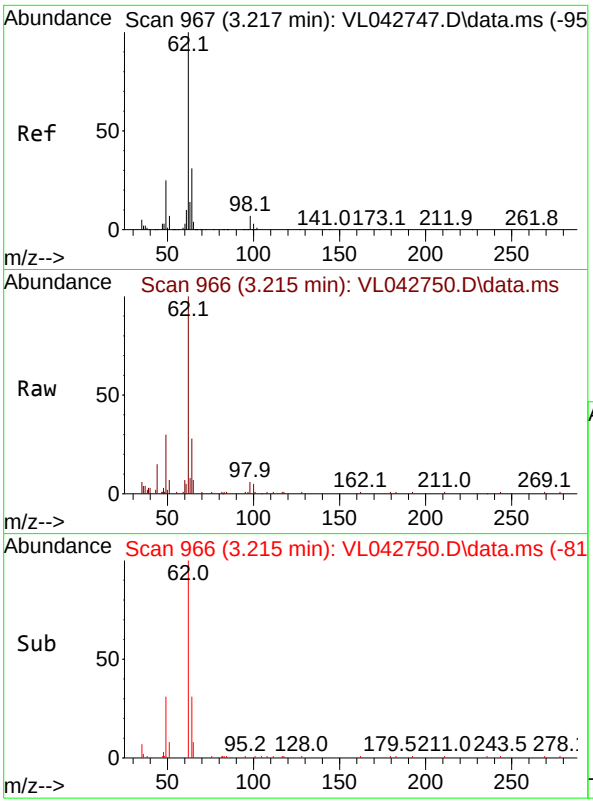


#36
Benzene
Concen: 0.515 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 78 Resp: 21800

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
50	22.8	16.2	24.2



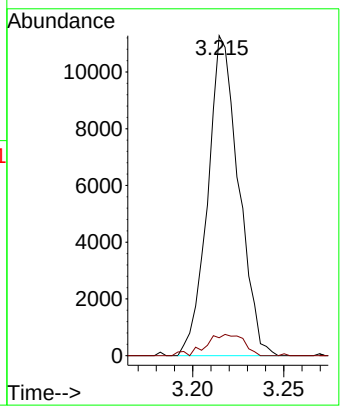


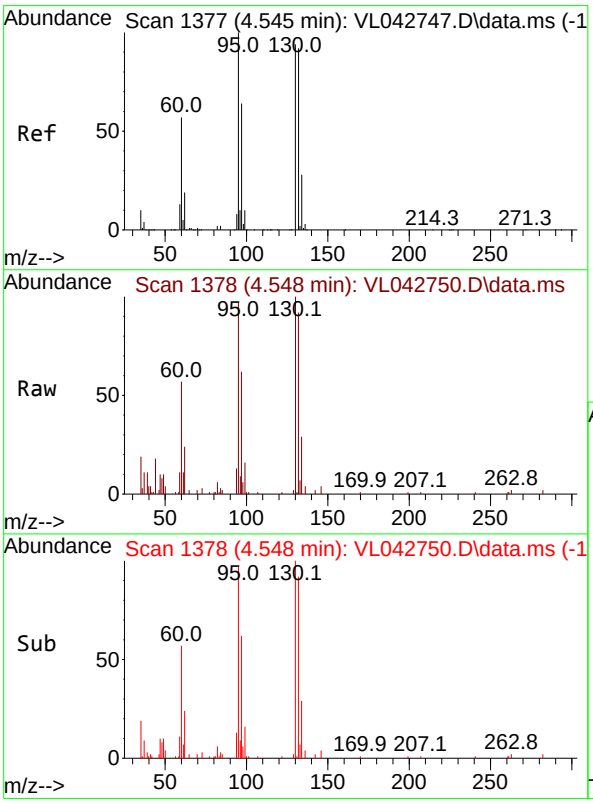
#37
1,2-Dichloroethane
Concen: 0.521 ppbv
RT: 3.215 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 13299

Ion	Ratio	Lower	Upper
62	100		
98	8.3	5.2	7.8#

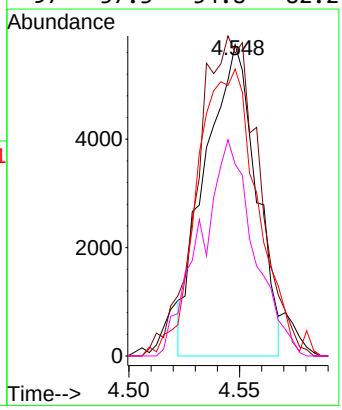


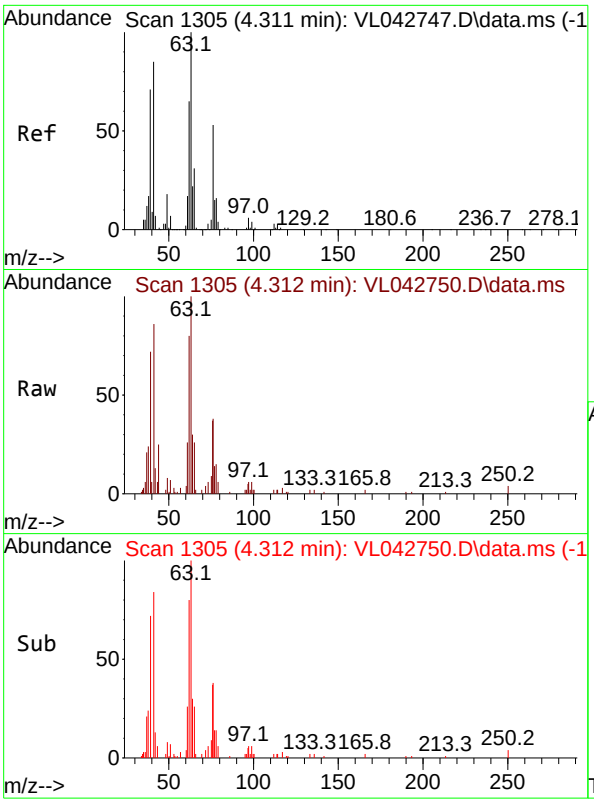


#38
Trichloroethene
Concen: 0.448 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 9150

Ion	Ratio	Lower	Upper
130	100		
95	89.3	85.4	128.2
132	94.1	78.2	117.2
97	57.3	54.8	82.2



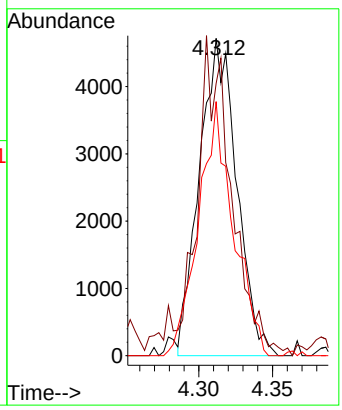


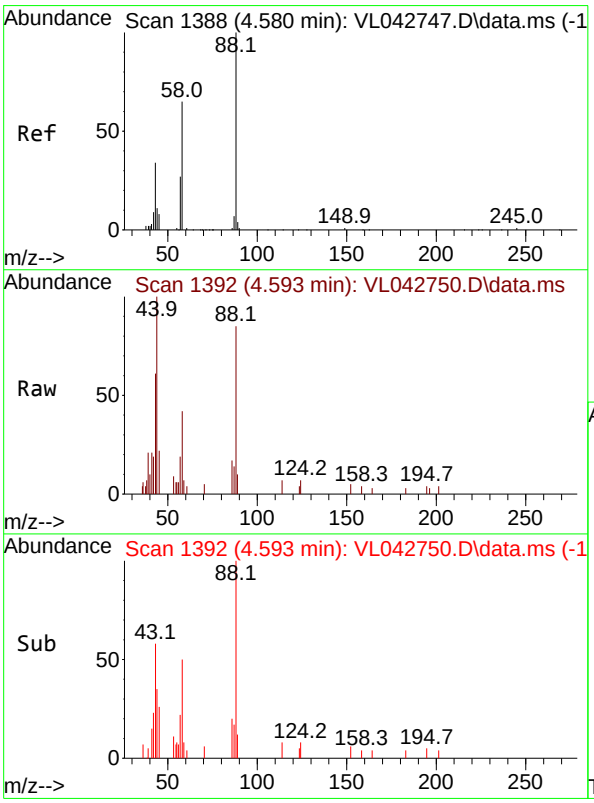
#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 8291

Ion	Ratio	Lower	Upper
63	100		
41	83.1	68.2	102.4
62	80.1	52.0	78.0#

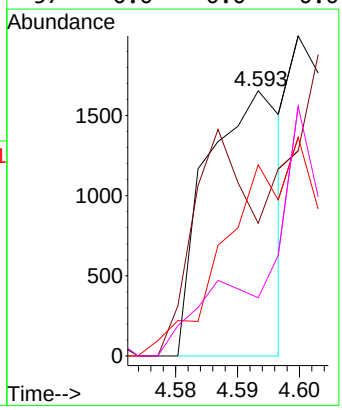


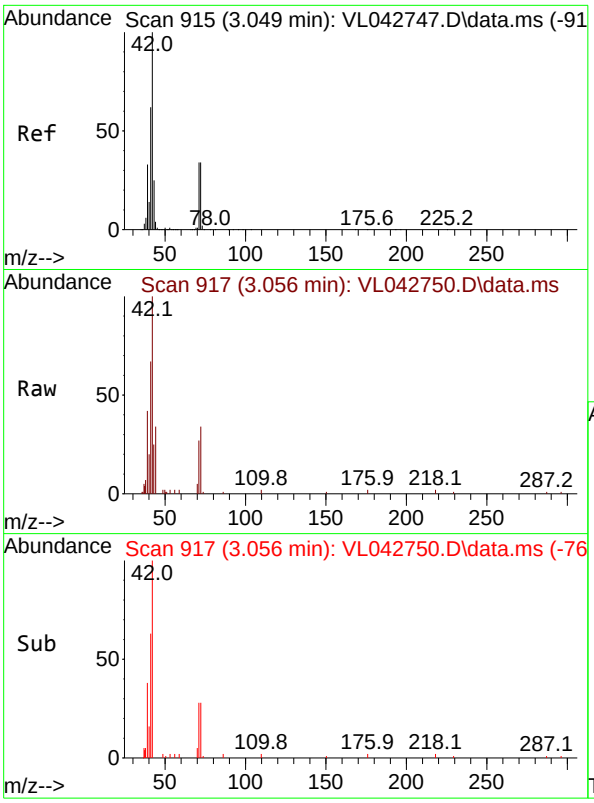


#40
1,4-Dioxane
Concen: 0.187 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.013 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 88 Resp: 1378

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



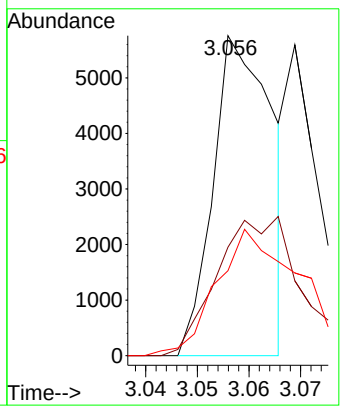


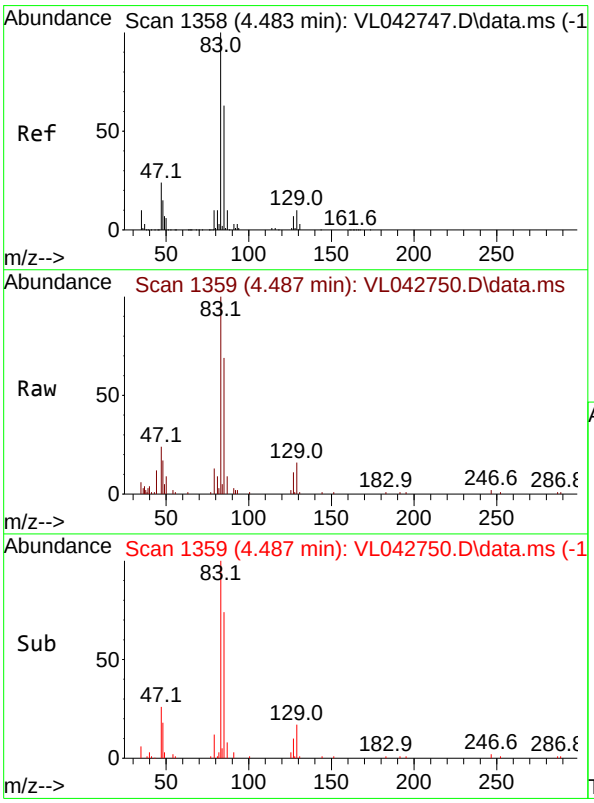
#41
Tetrahydrofuran
Concen: 0.289 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 4590

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	66.1	28.6	43.0#

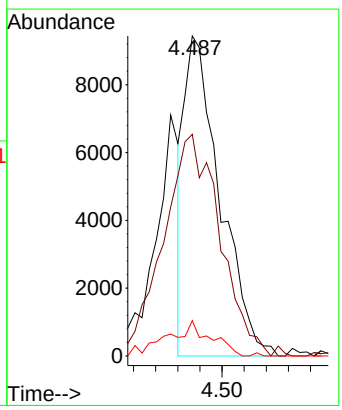


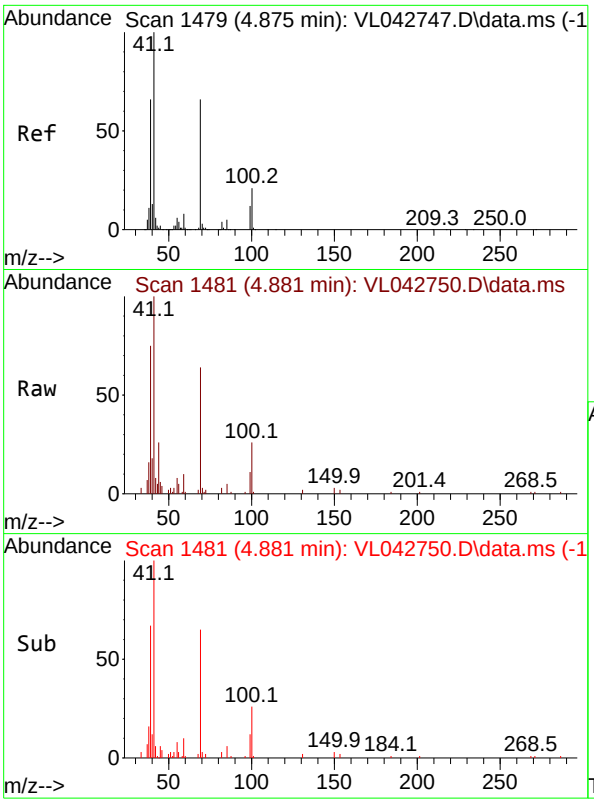


#42
Bromodichloromethane
Concen: 0.318 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 10591

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.2	75.4
127	11.1	5.4	8.2#



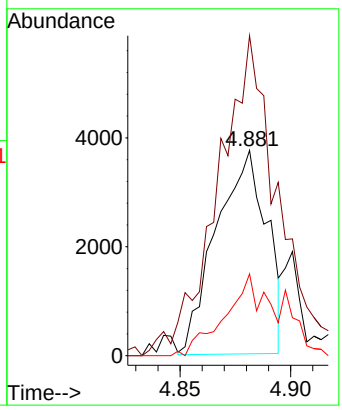


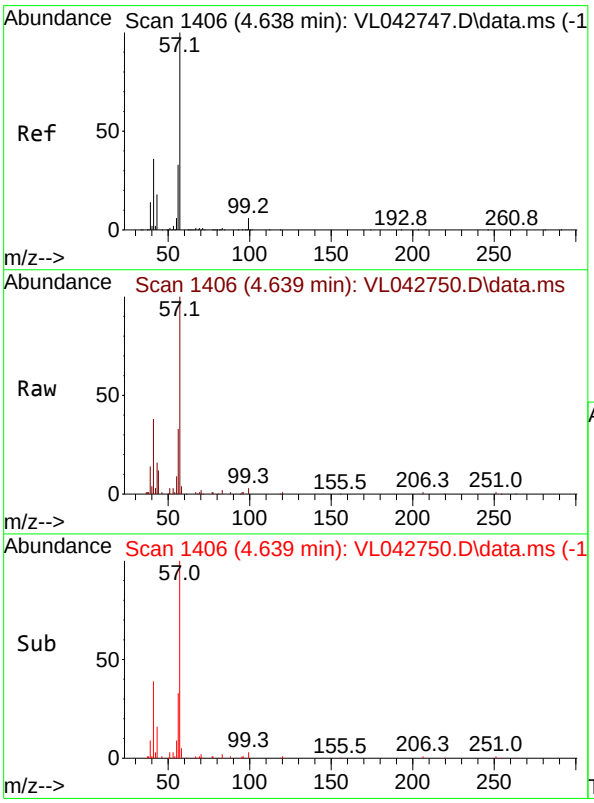
#43
Methyl Methacrylate
Concen: 0.394 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 5938

Ion	Ratio	Lower	Upper
69	100		
41	186.9	125.7	188.5
100	44.0	28.6	42.8#

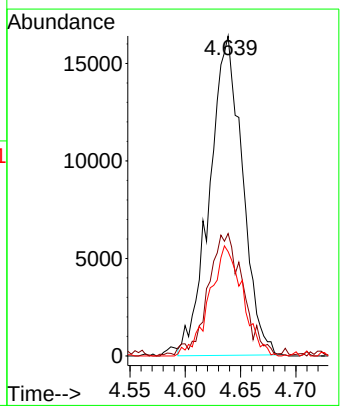


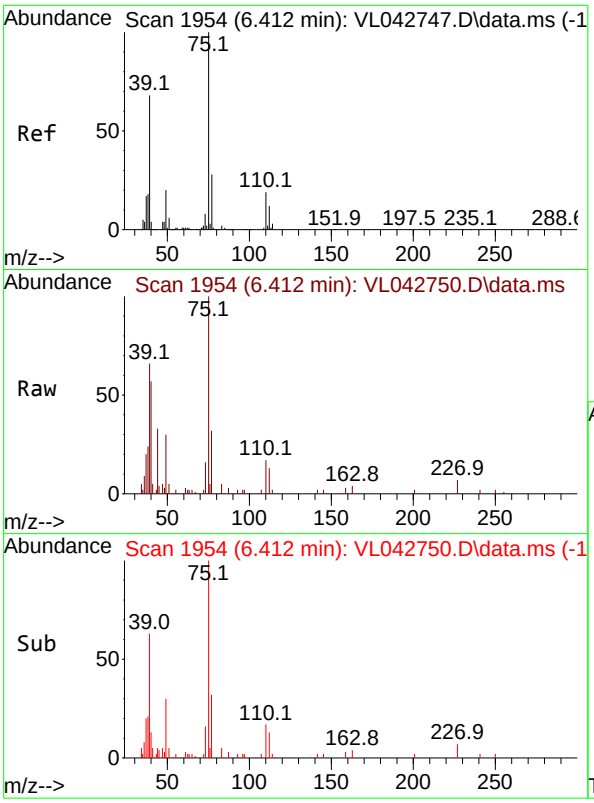


#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853

Ion	Ratio	Lower	Upper
57	100		
41	41.3	28.3	42.5
56	34.7	25.8	38.6



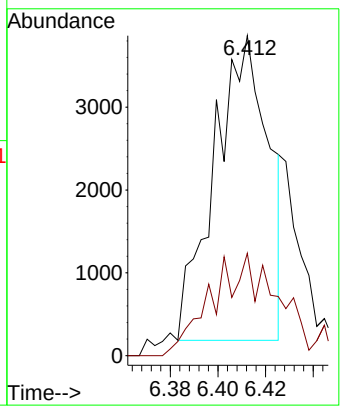


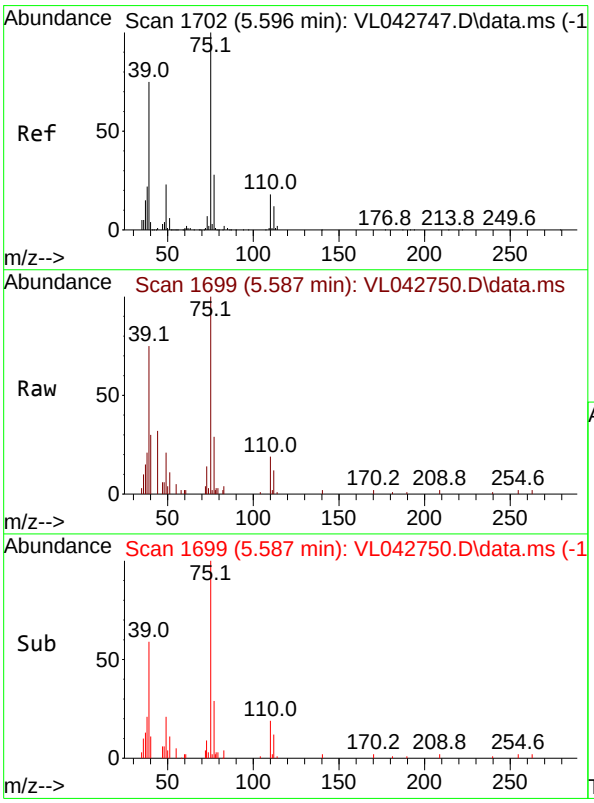
#45
t-1,3-Dichloropropene
Concen: 0.342 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 5781

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.4	33.6

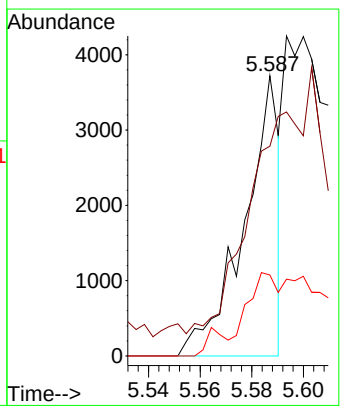


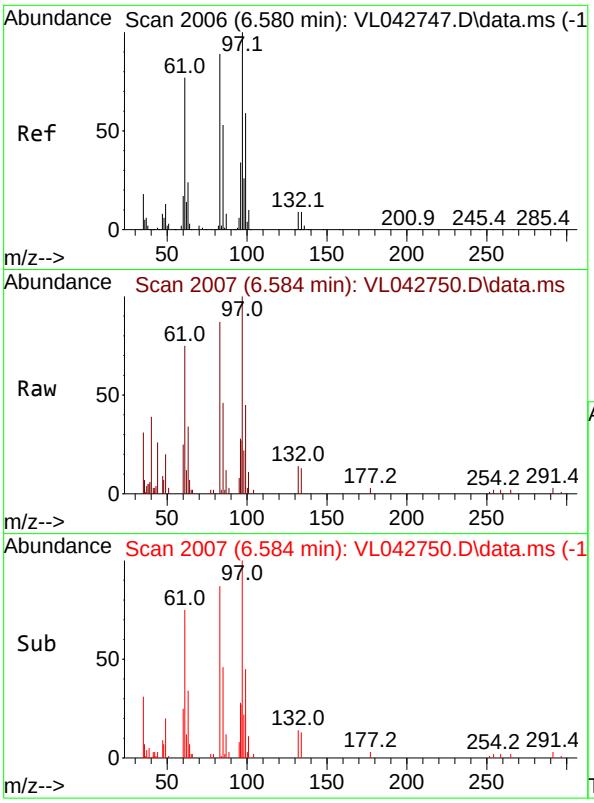


#46
cis-1,3-Dichloropropene
Concen: 0.162 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.009 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 3465

Ion	Ratio	Lower	Upper
75	100		
39	63.4	60.2	90.2
77	28.9	22.6	34.0



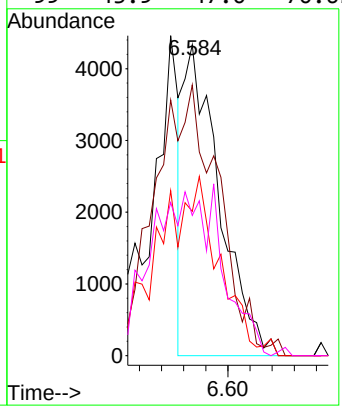


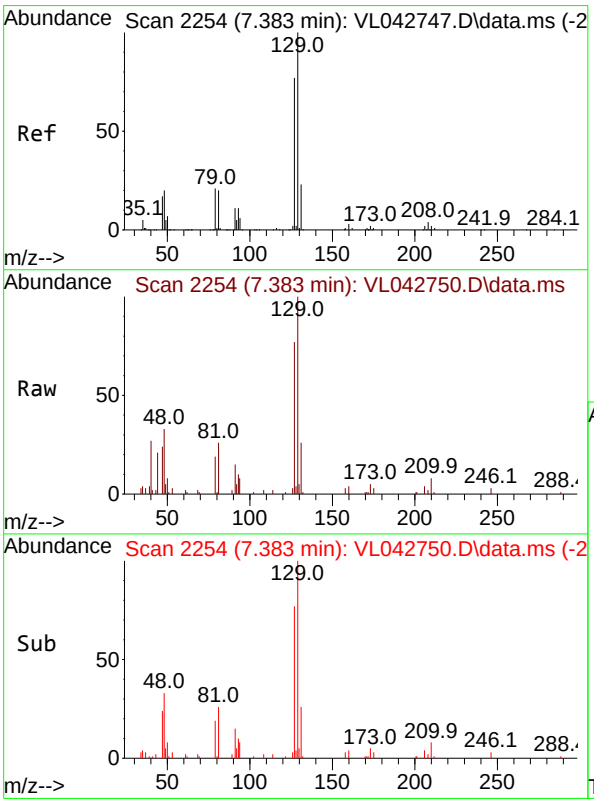
#47
1,1,2-Trichloroethane
Concen: 0.293 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 4878

Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.1	106.7
85	46.4	43.0	64.4
99	43.9	47.0	70.6#

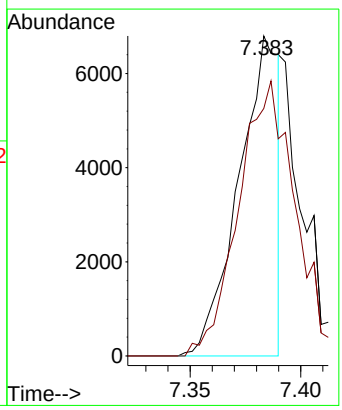


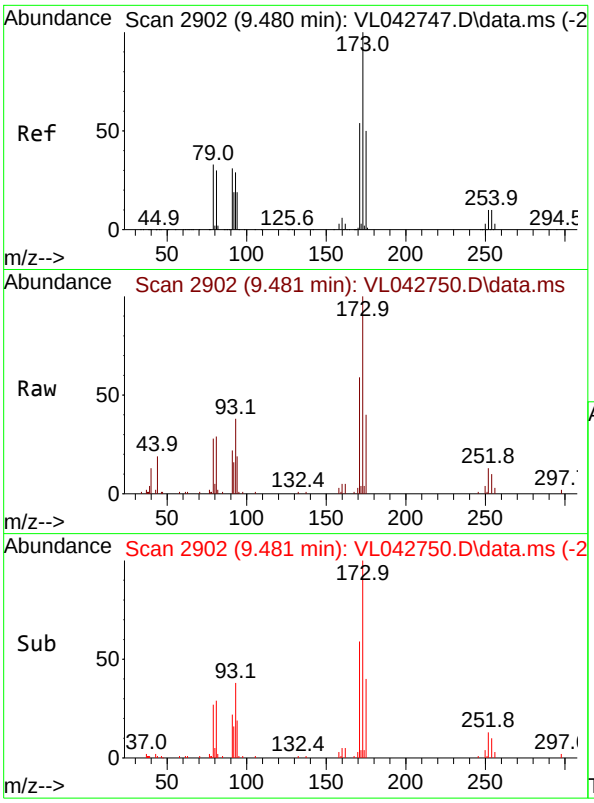


#48
Dibromochloromethane
Concen: 0.322 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:129 Resp: 8515

Ion	Ratio	Lower	Upper
129	100		
127	121.6	38.7	116.1#



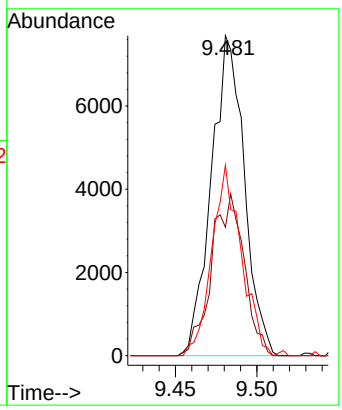


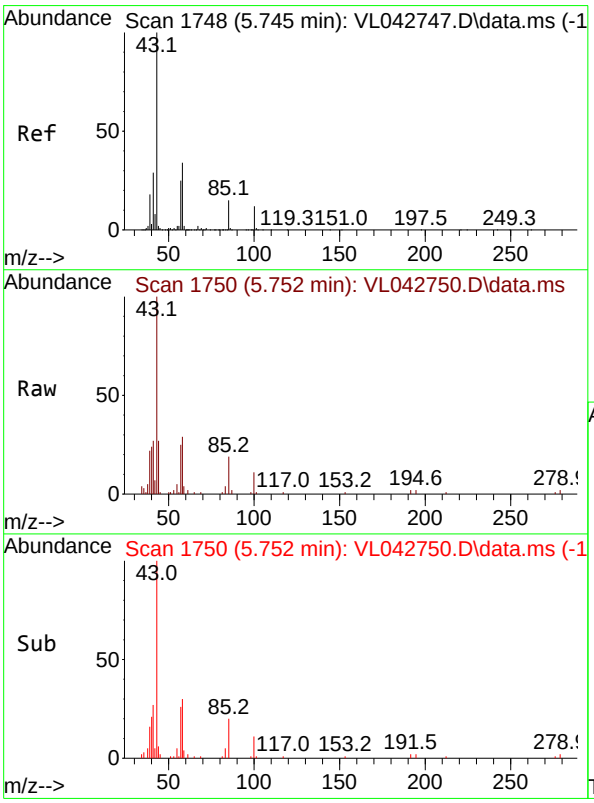
#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 10801

Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.4	57.6
171	53.7	40.9	61.3

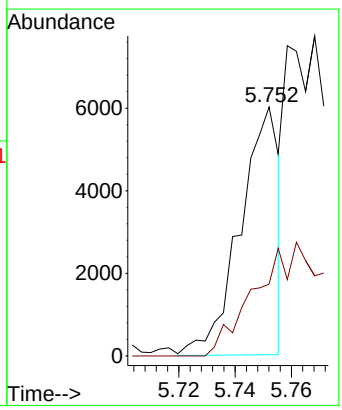


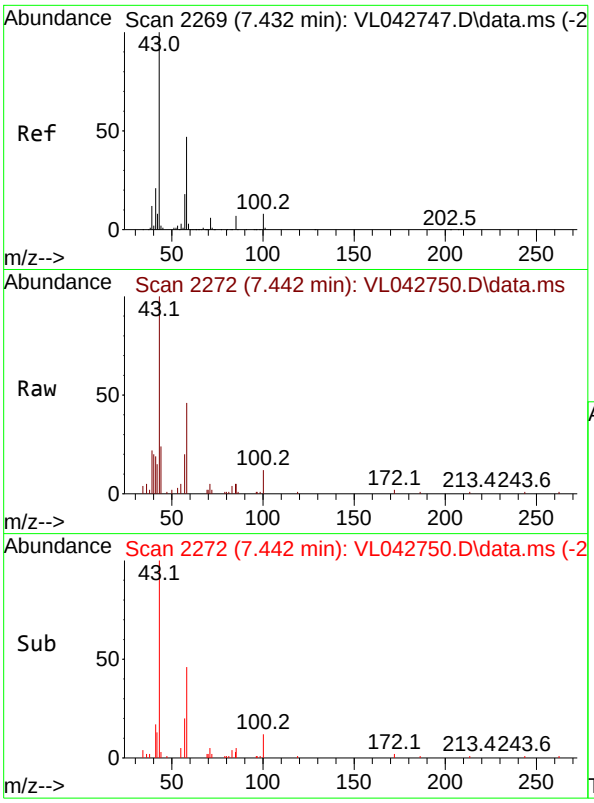


#50
4-Methyl-2-Pentanone
Concen: 0.142 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 5736

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



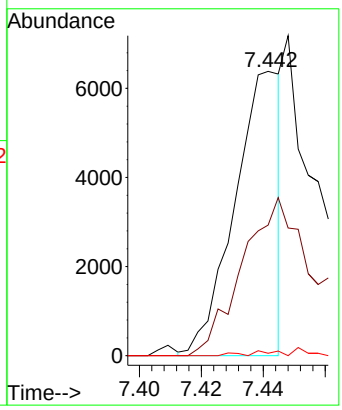


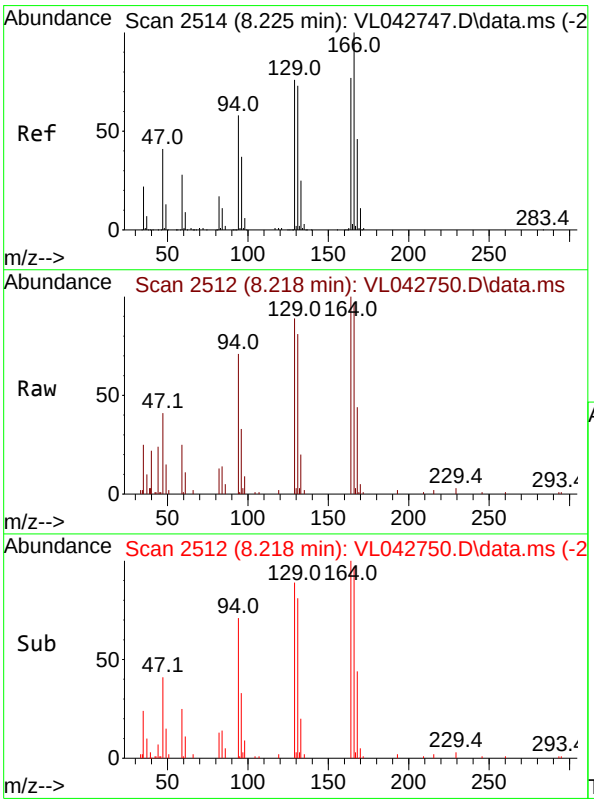
#51
2-Hexanone
Concen: 0.213 ppbv
RT: 7.442 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 6572

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

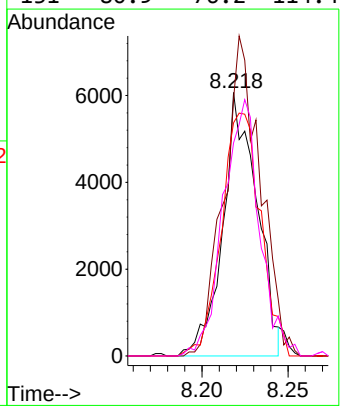


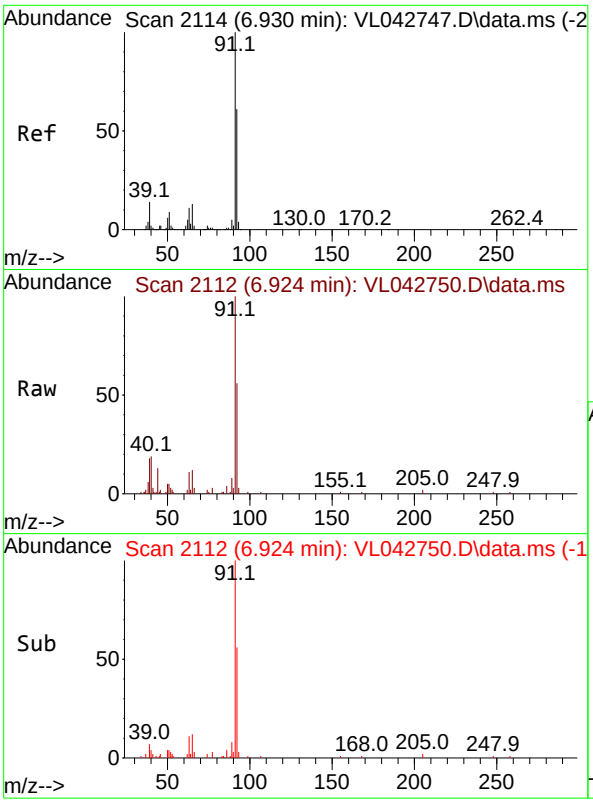


#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:164 Resp: 8359

Ion	Ratio	Lower	Upper
164	100		
166	97.5	104.0	156.0#
129	88.5	79.2	118.8
131	80.9	76.2	114.4



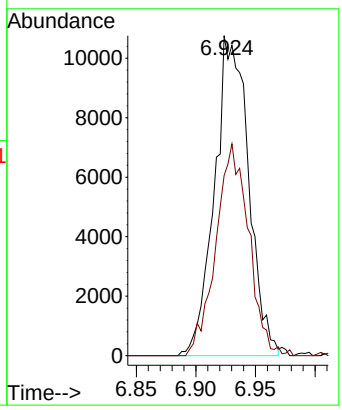


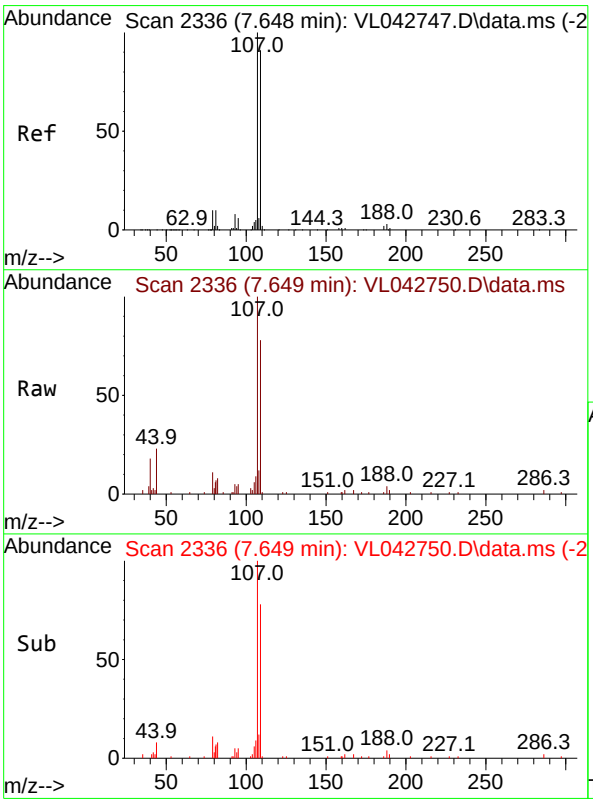
#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 21324

Ion	Ratio	Lower	Upper
91	100		
92	63.9	48.0	72.0

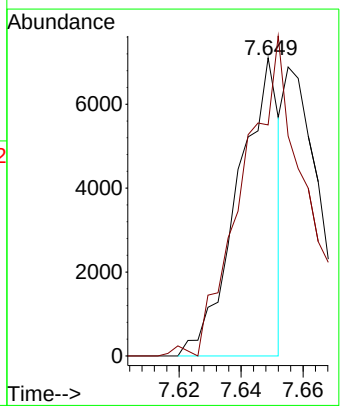


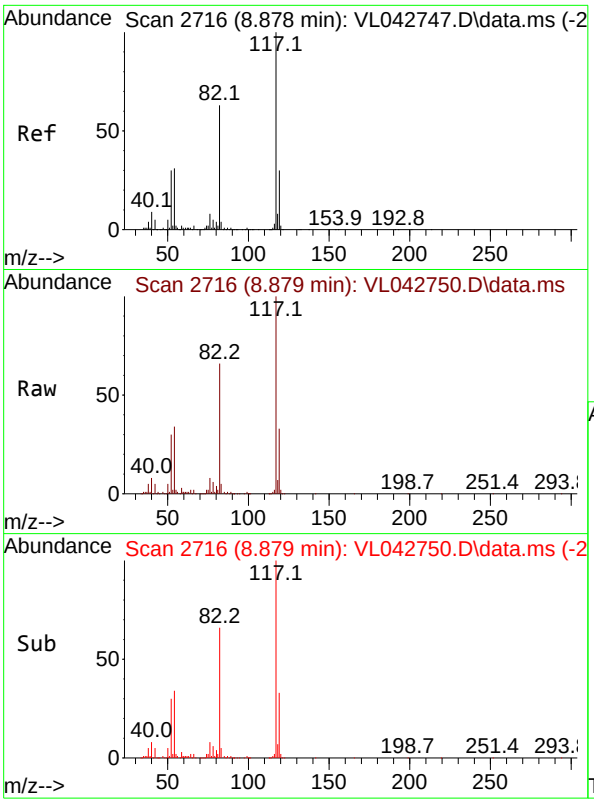


#54
1,2-Dibromoethane
Concen: 0.277 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:107 Resp: 6536

Ion	Ratio	Lower	Upper
107	100		
109	74.1	72.7	109.1



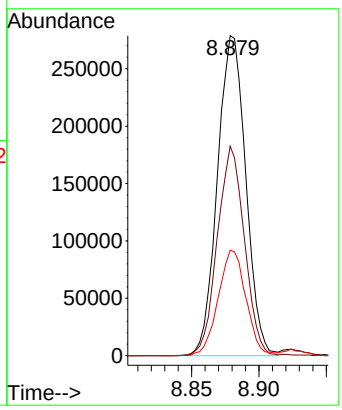


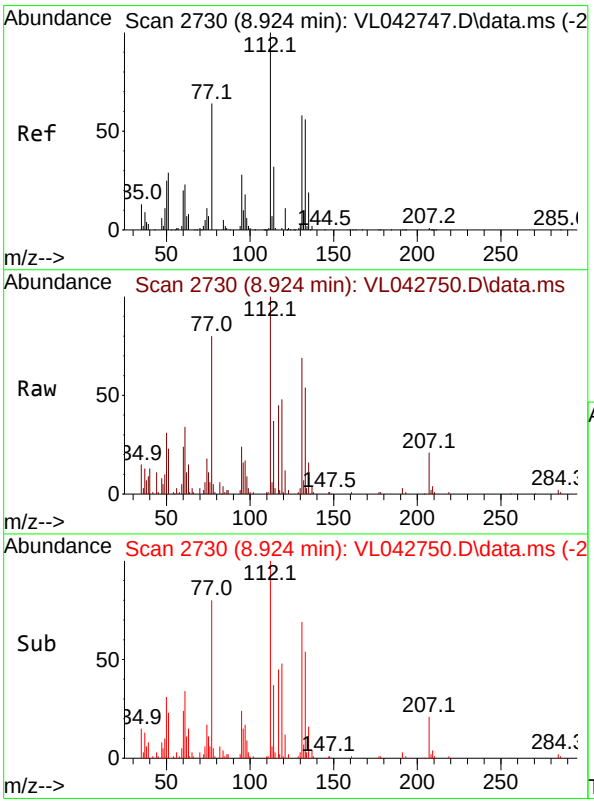
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 408626

Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.3	79.9
119	32.3	25.8	38.6

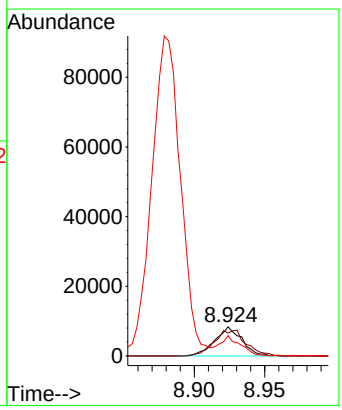


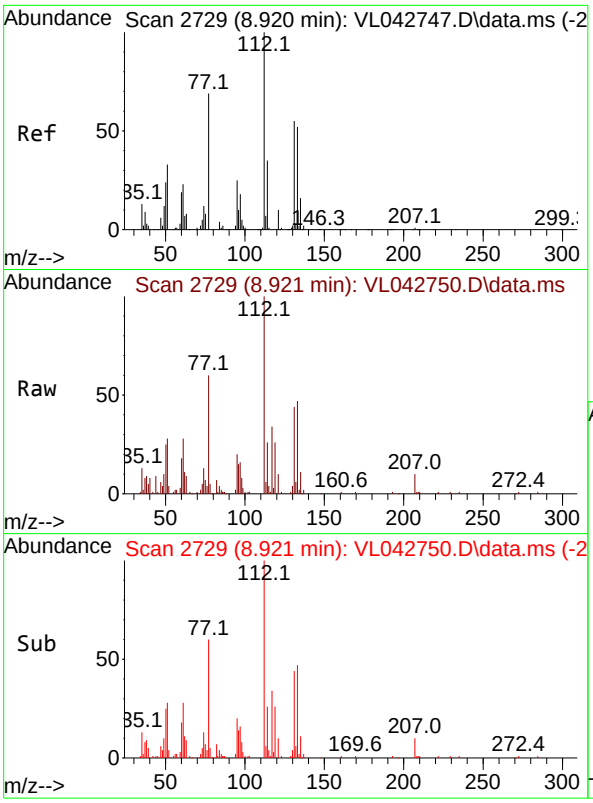


#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:131 Resp: 11191

Ion	Ratio	Lower	Upper
131	100		
133	104.0	76.8	115.2
119	1231.3	49.7	74.5#



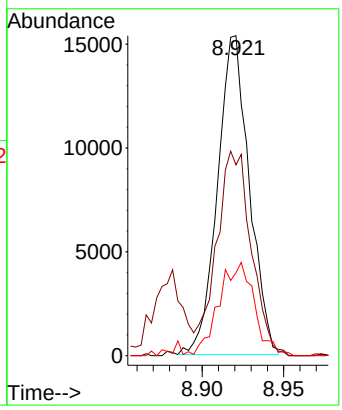


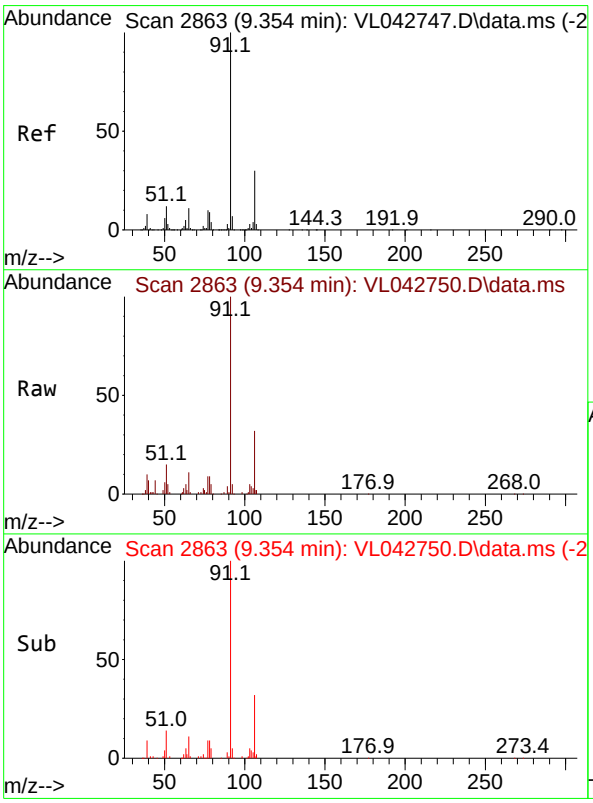
#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 20828

Ion	Ratio	Lower	Upper
112	100		
77	58.4	56.4	84.6
114	23.8	31.2	38.2#

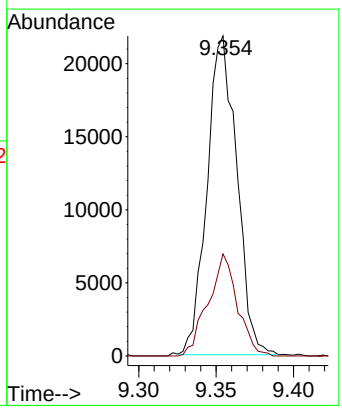


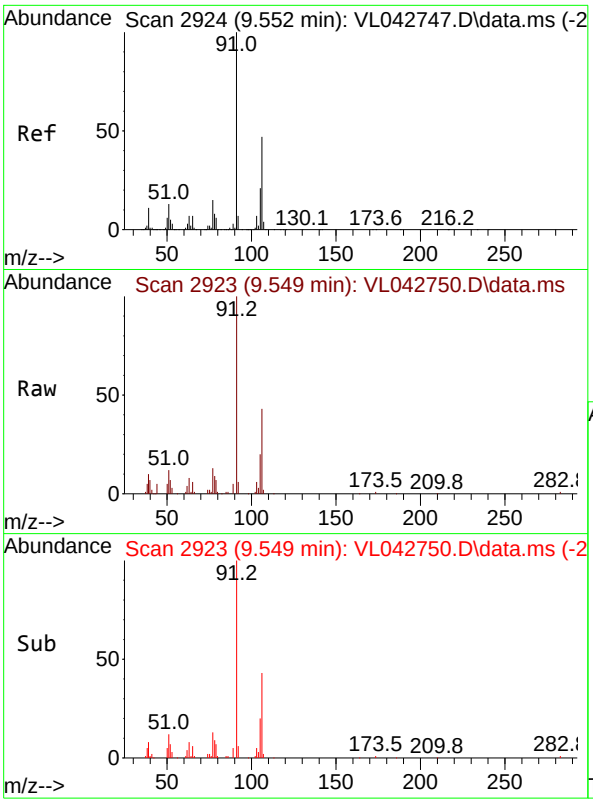


#58
Ethyl Benzene
Concen: 0.451 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29134

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.8	35.6



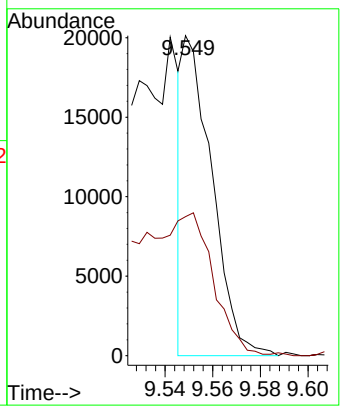


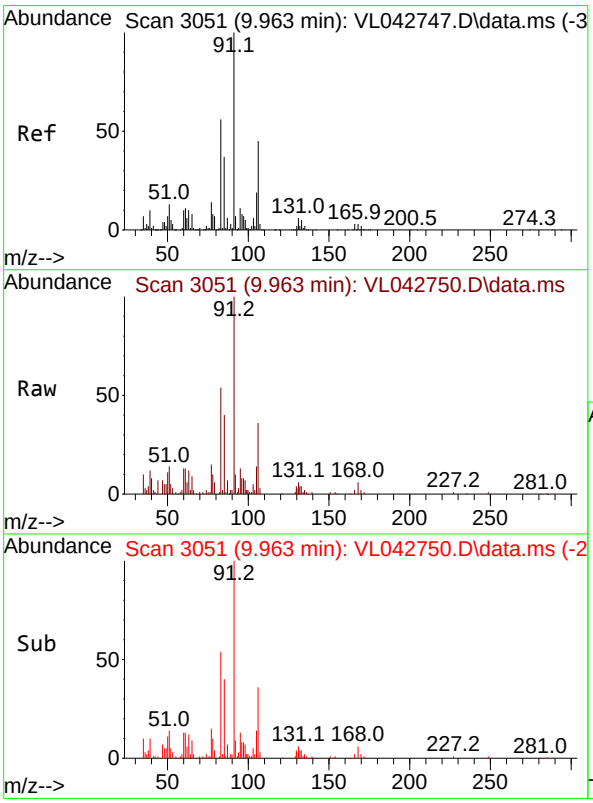
#59
m/p-Xylene
Concen: 0.332 ppbv
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 17145

Ion	Ratio	Lower	Upper
91	100		
106	123.2	37.4	56.2#

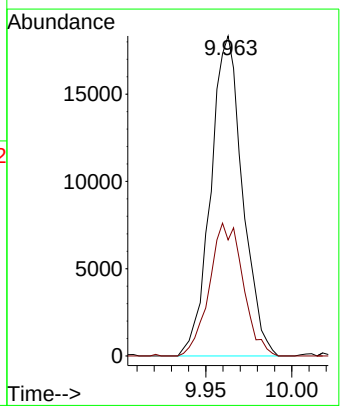


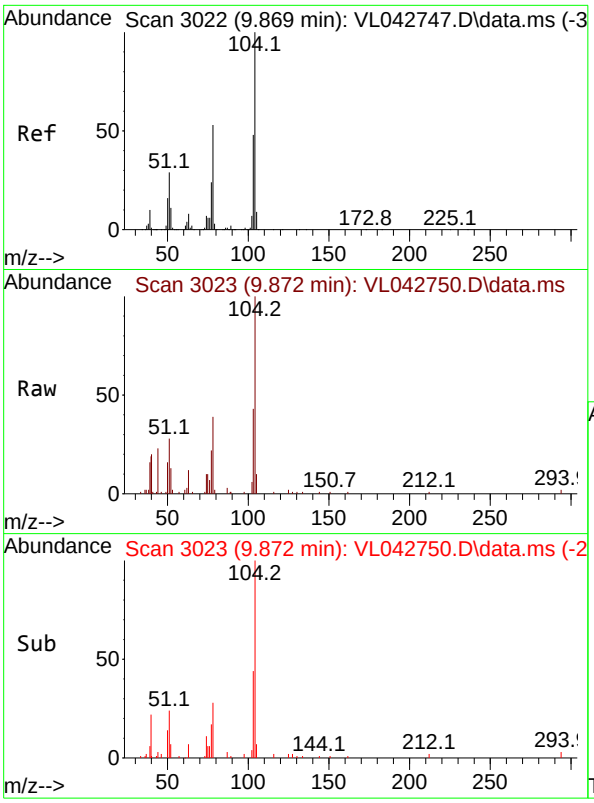


#60
o-Xylene
Concen: 0.458 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 23603

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.0	66.0



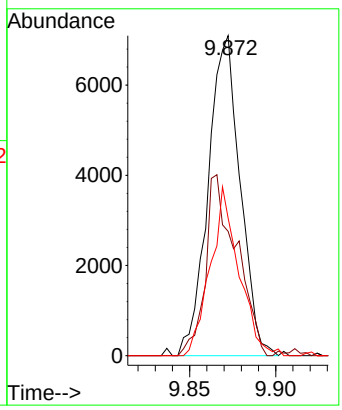


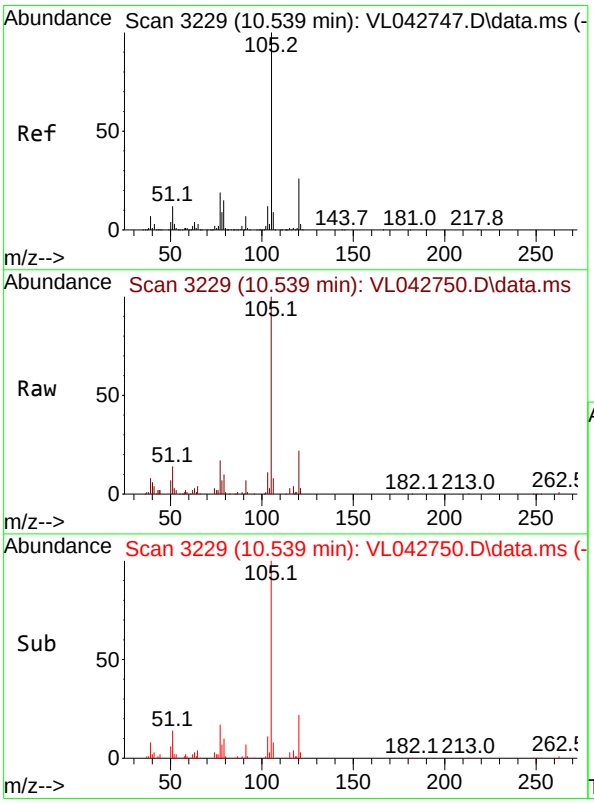
#61
Styrene
Concen: 0.424 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 9195

Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.5	62.3
103	47.0	37.5	56.3

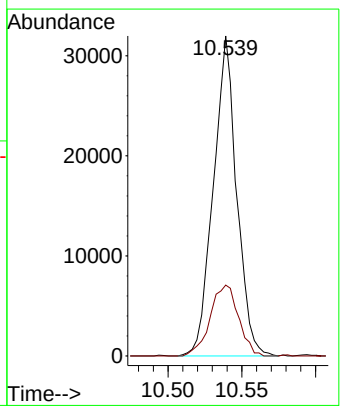


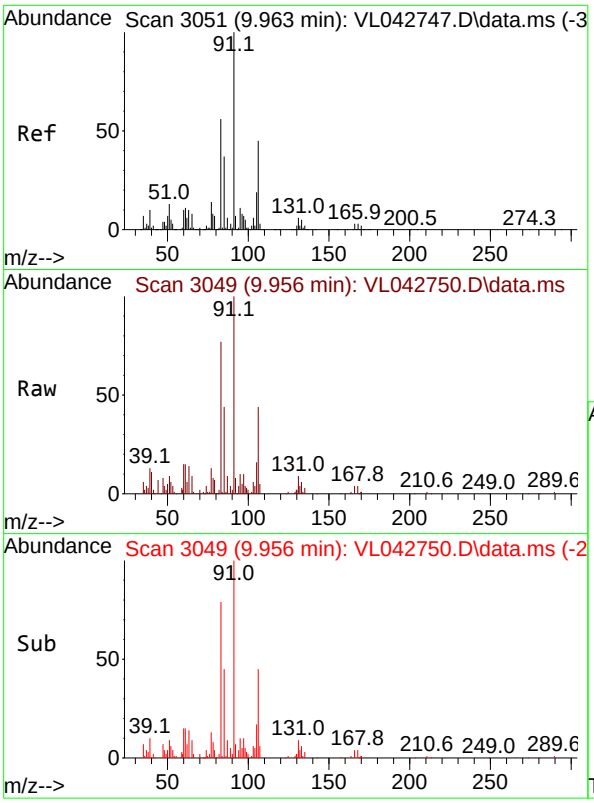


#62
Isopropylbenzene
Concen: 0.463 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 35189

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.5	30.7



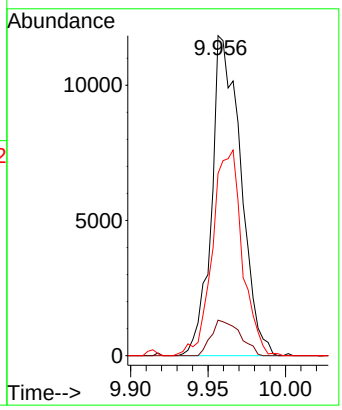


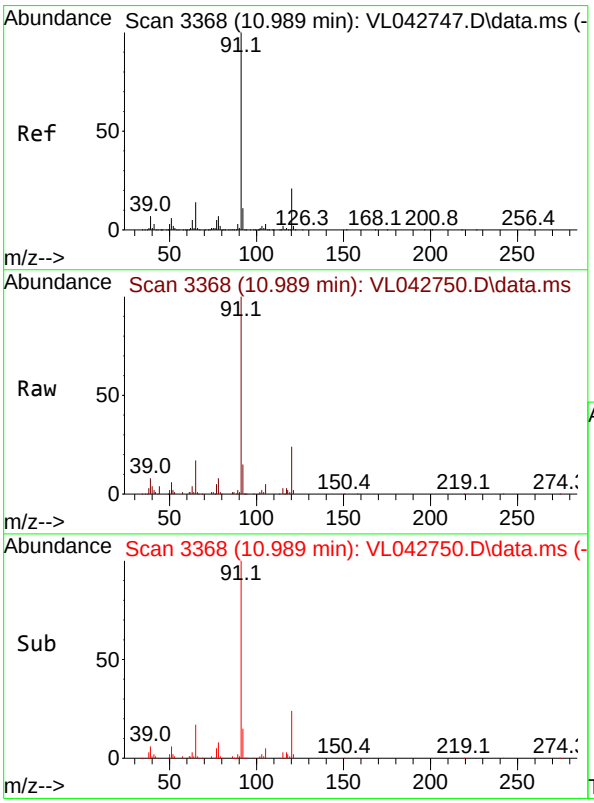
#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 15544

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	66.1	32.6	97.7

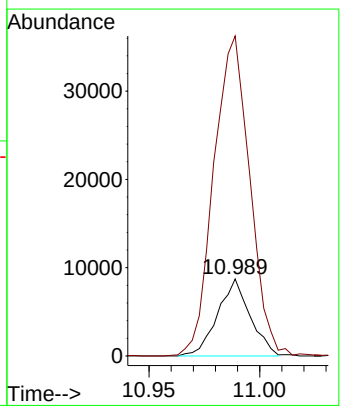


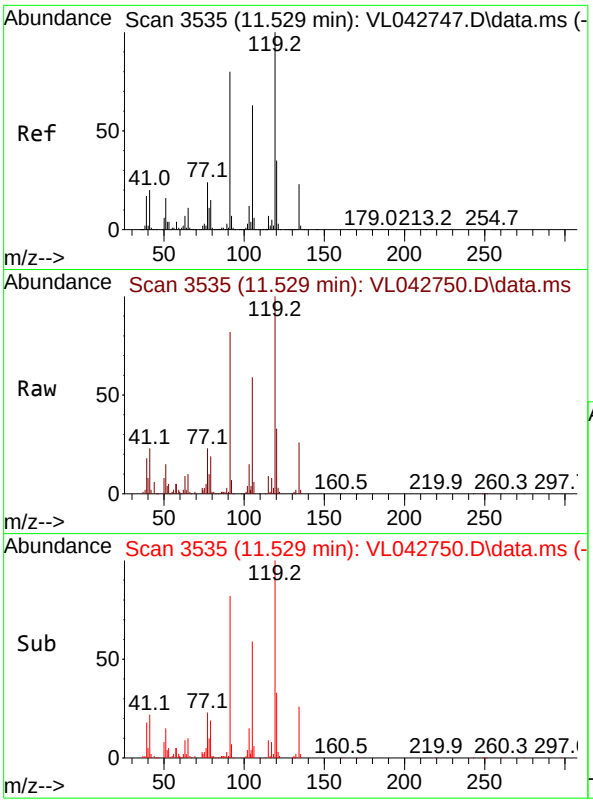


#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:120 Resp: 8924

Ion	Ratio	Lower	Upper
120	100		
91	464.1	372.7	559.1



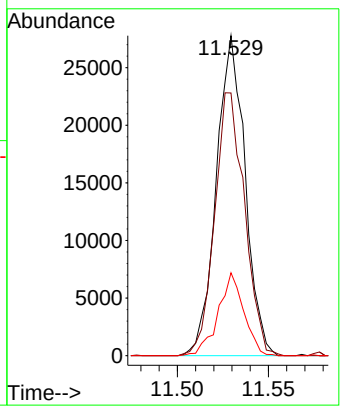


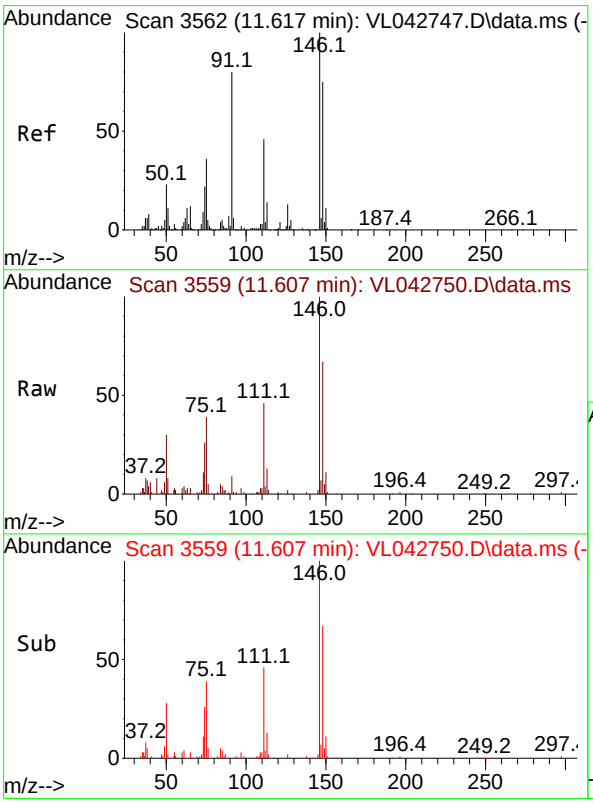
#65
tert-Butylbenzene
Concen: 0.453 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 30560

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9

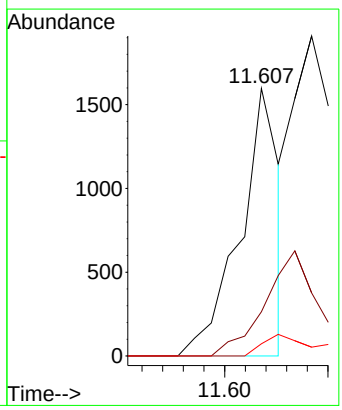


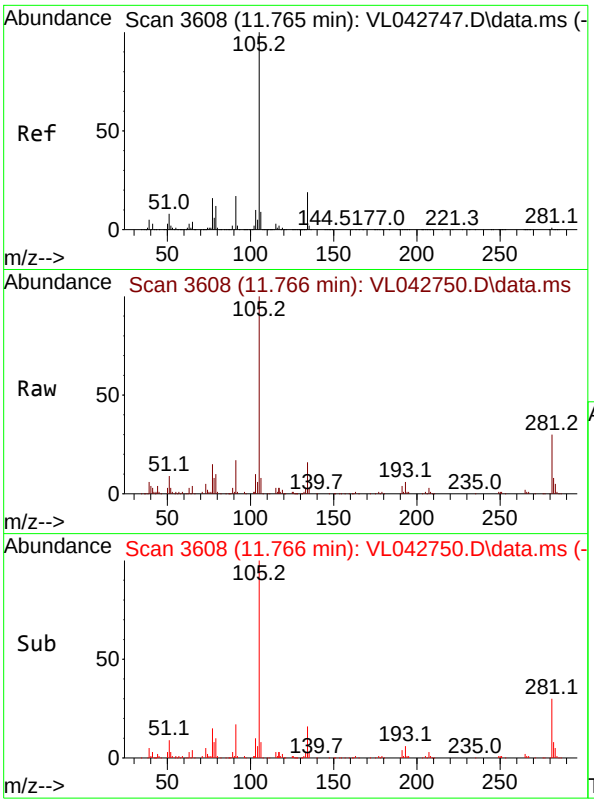


#66
Benzyl Chloride
Concen: 0.152 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.009 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 845

Ion	Ratio	Lower	Upper
91	100		
126	57.4	14.4	21.6#
128	15.5	5.2	7.8#



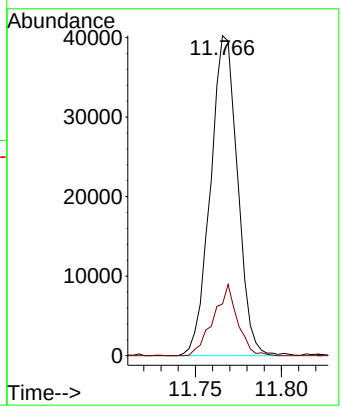


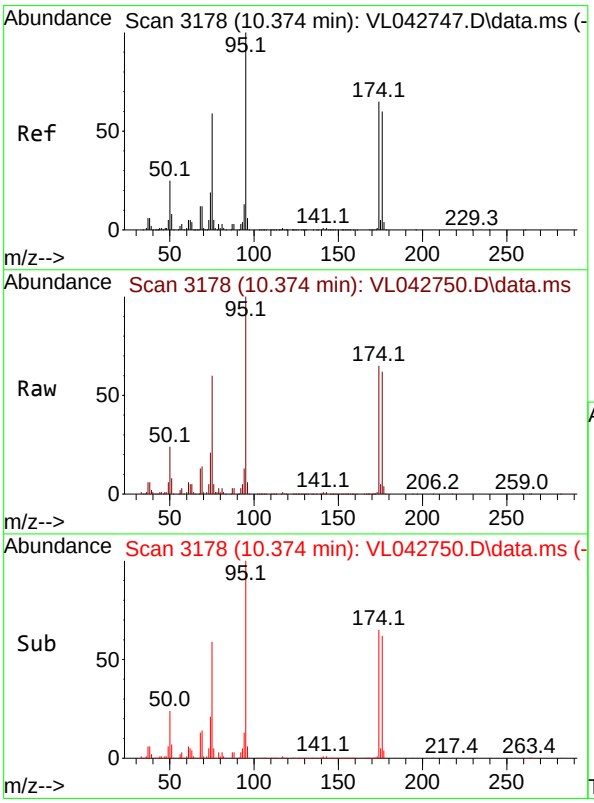
#67
sec-Butylbenzene
Concen: 0.460 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 44169

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3

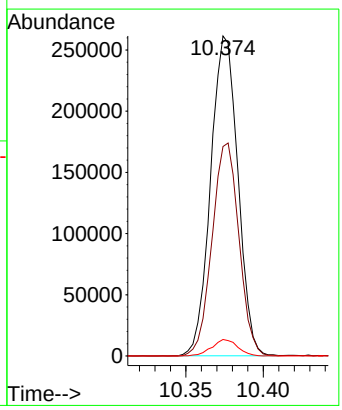


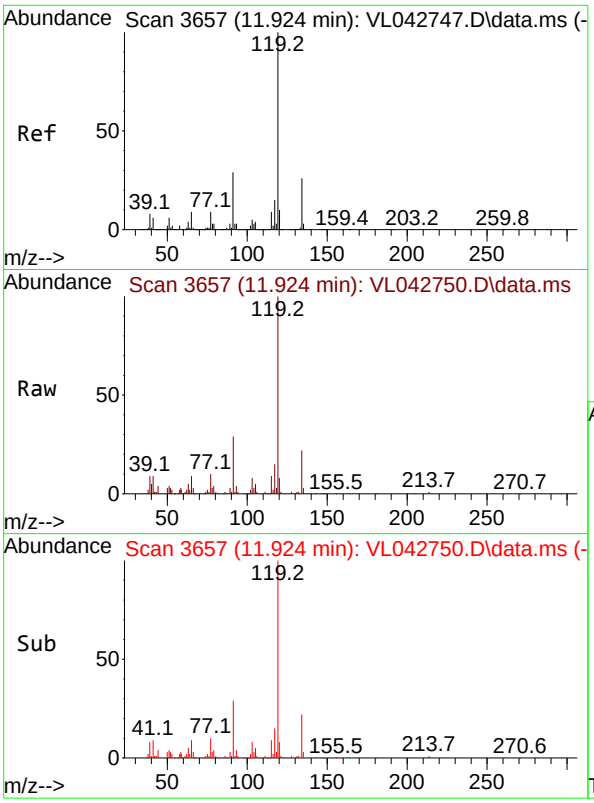


#68
1-Bromo-4-Fluorobenzene
Concen: 9.869 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 95 Resp: 319353

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	4.9	4.0	6.0



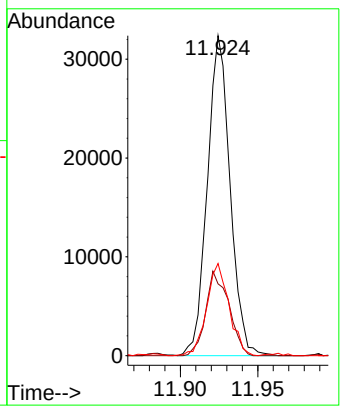


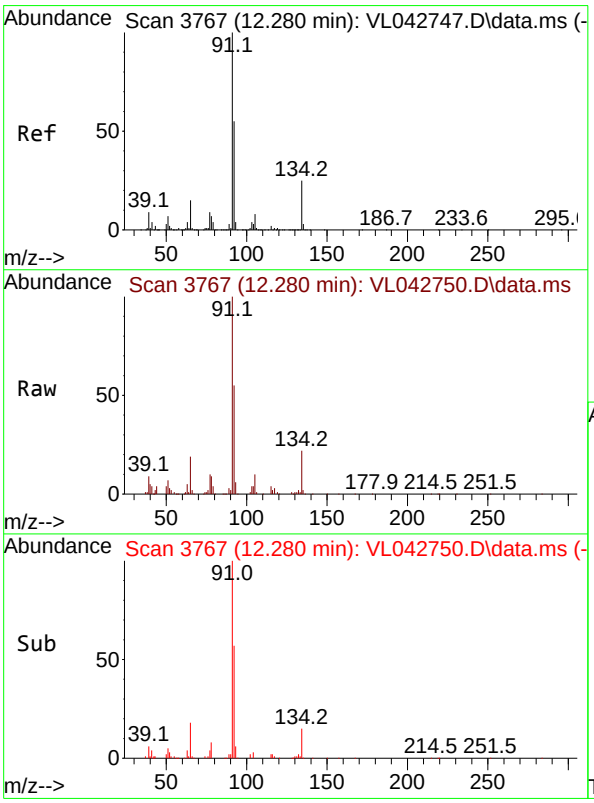
#69
p-Isopropyltoluene
Concen: 0.423 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 33104

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.6	31.0
91	28.8	23.2	34.8

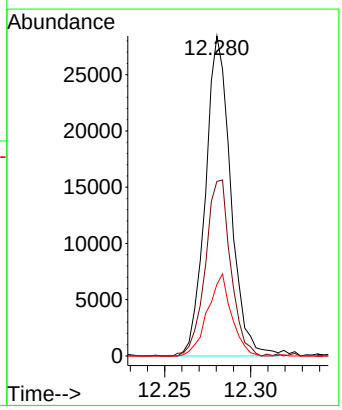


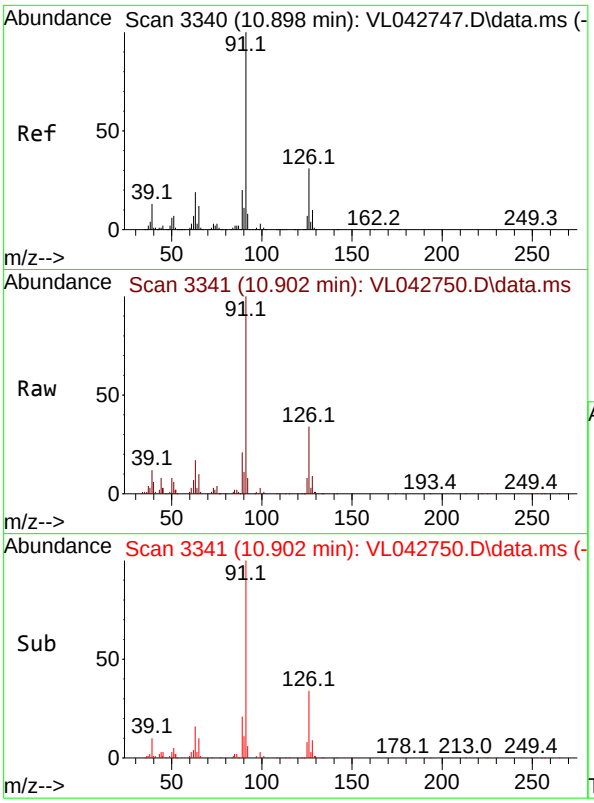


#70
n-Butylbenzene
Concen: 0.384 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29048

Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.4	65.2
134	24.3	19.6	29.4



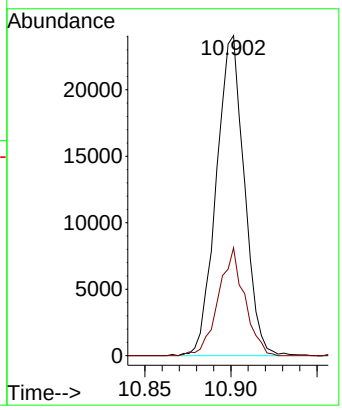


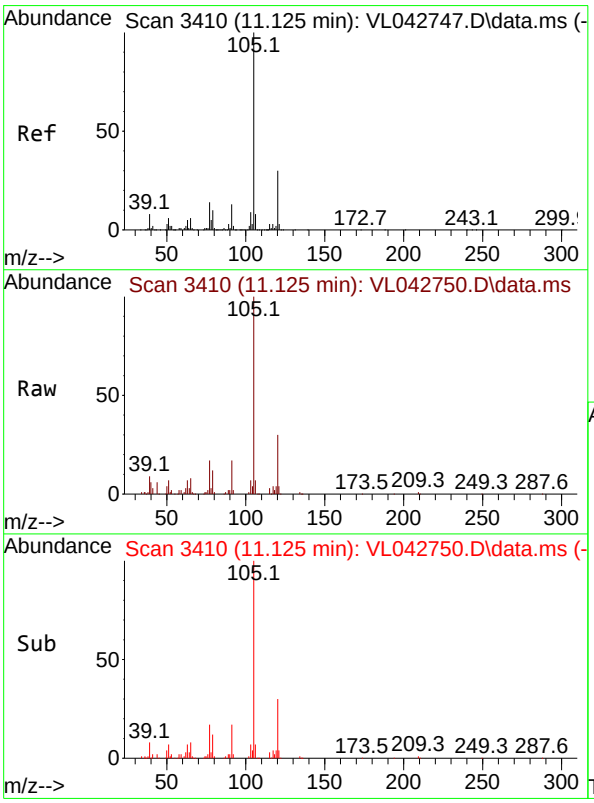
#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 27184

Ion	Ratio	Lower	Upper
91	100		
126	31.7	12.0	48.2

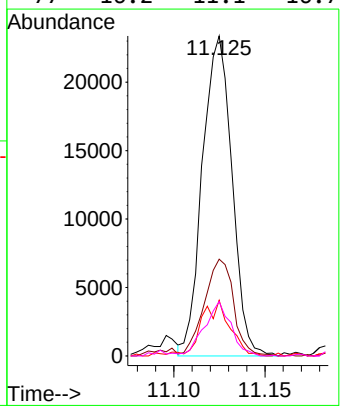


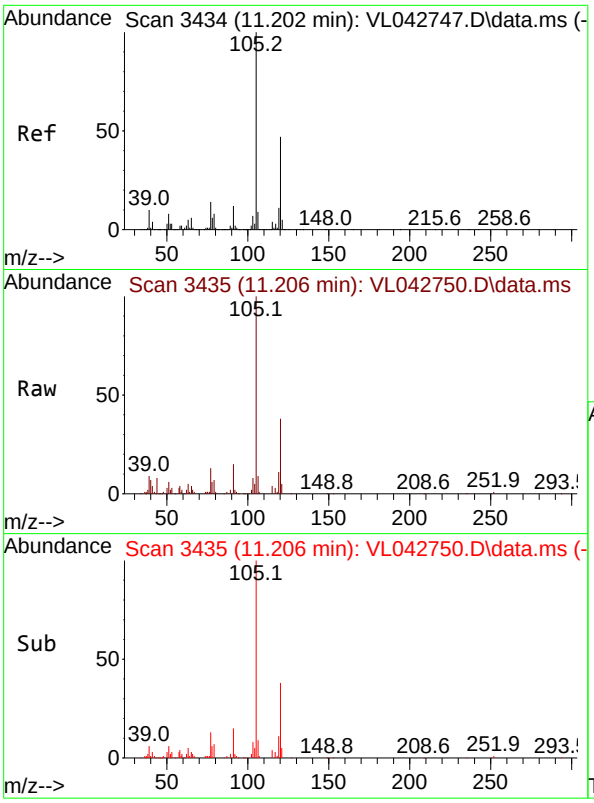


#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 26395

Ion	Ratio	Lower	Upper
105	100		
120	31.6	24.4	36.6
91	17.0	10.6	15.8#
77	16.2	11.1	16.7



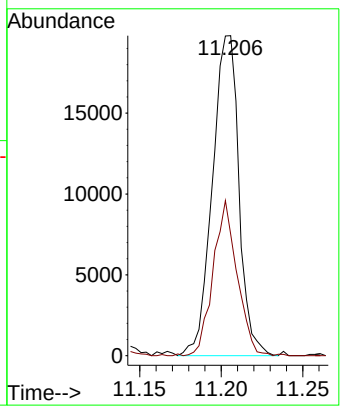


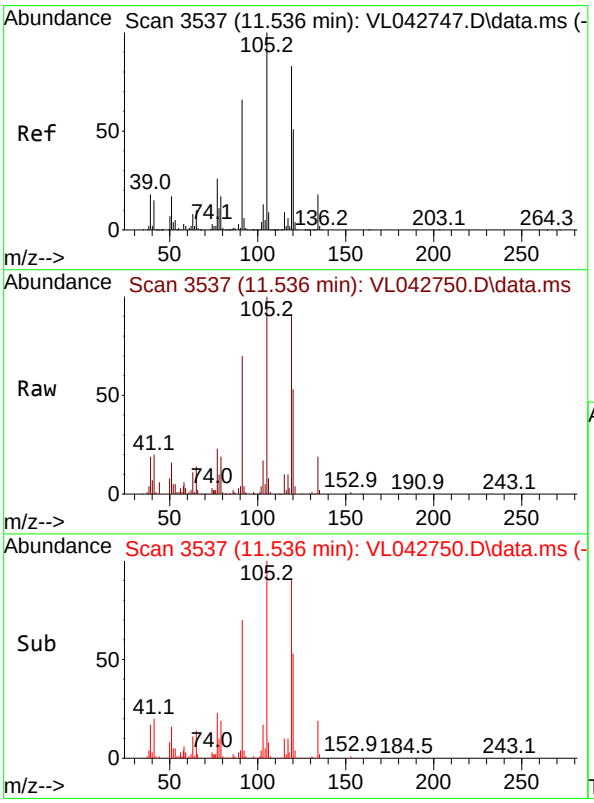
#73
1,3,5-Trimethylbenzene
Concen: 0.442 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 22392

Ion	Ratio	Lower	Upper
105	100		
120	37.5	37.8	56.8#

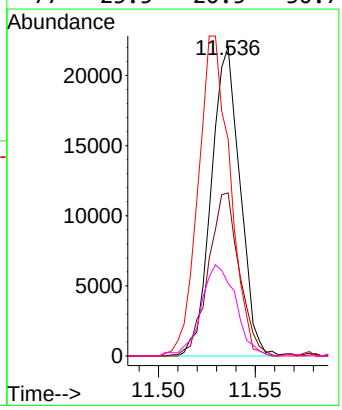


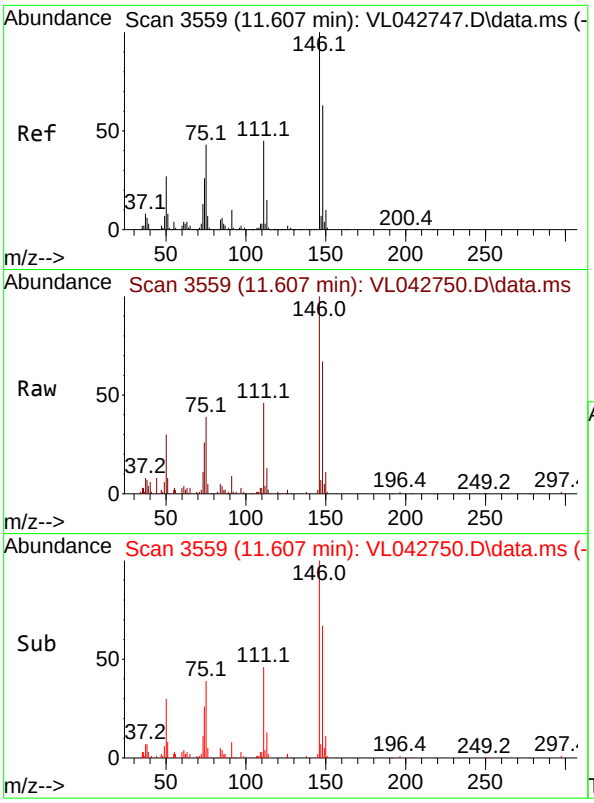


#74
1,2,4-Trimethylbenzene
Concen: 0.412 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

Ion	Ratio	Lower	Upper
105	100		
120	52.7	40.8	61.2
91	70.3	53.0	79.4
77	23.5	20.5	30.7



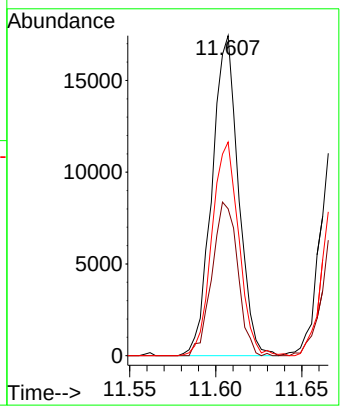


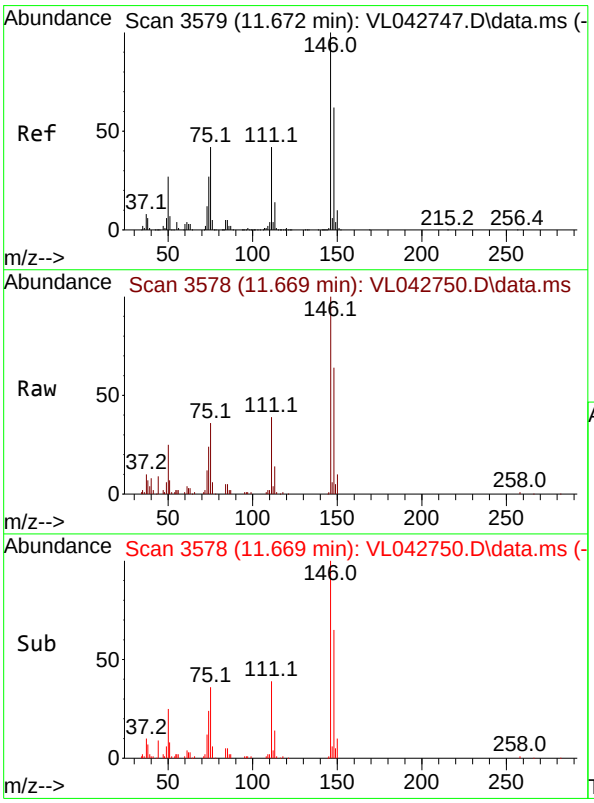
#75
1,3-Dichlorobenzene
Concen: 0.482 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 18680

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.7	68.0
148	67.7	31.9	95.5

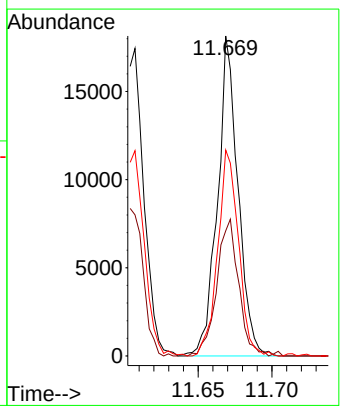


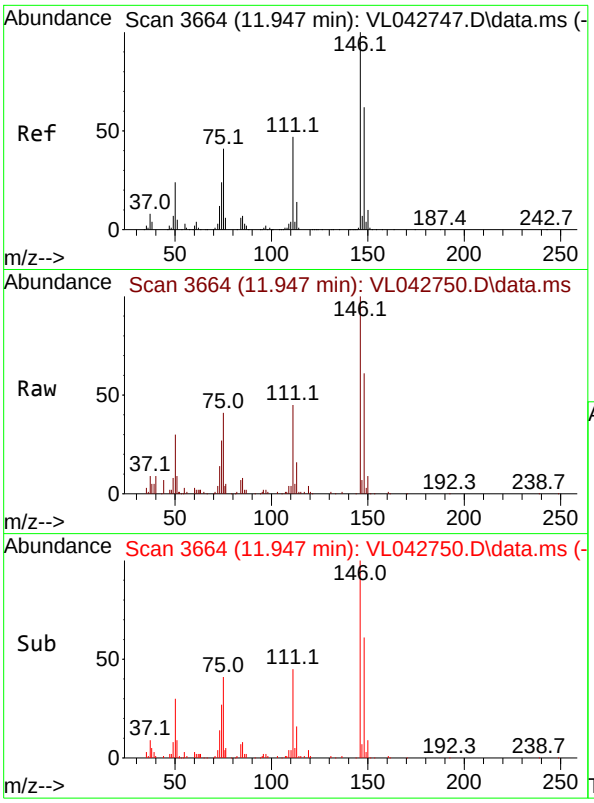


#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	65.4	32.1	96.3



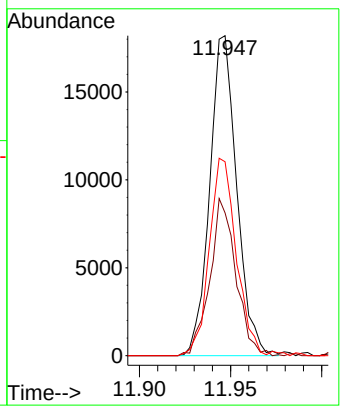


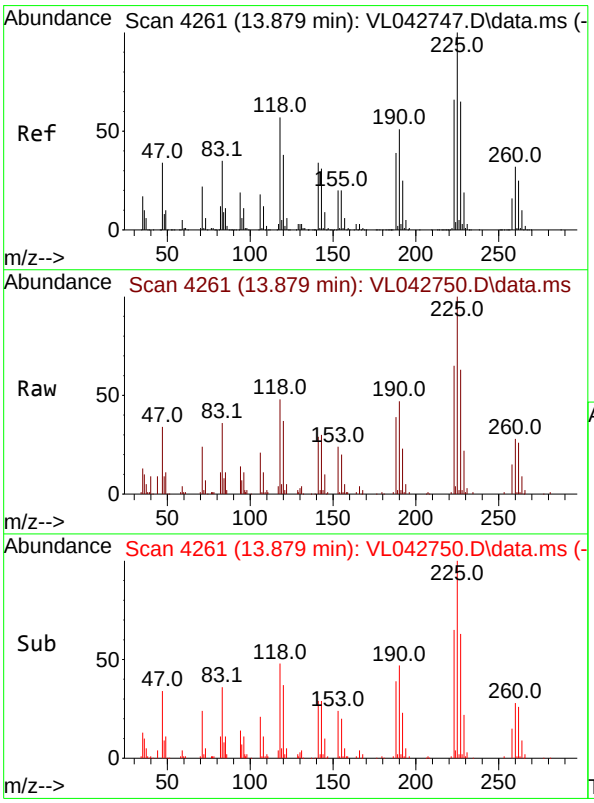
#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 18799

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.7	71.1
148	62.3	32.6	97.7

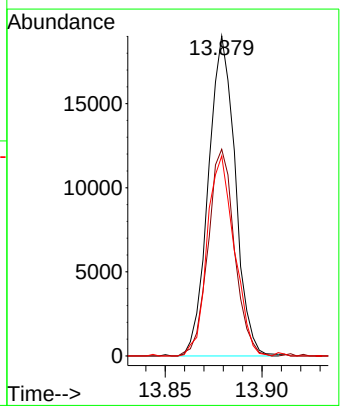


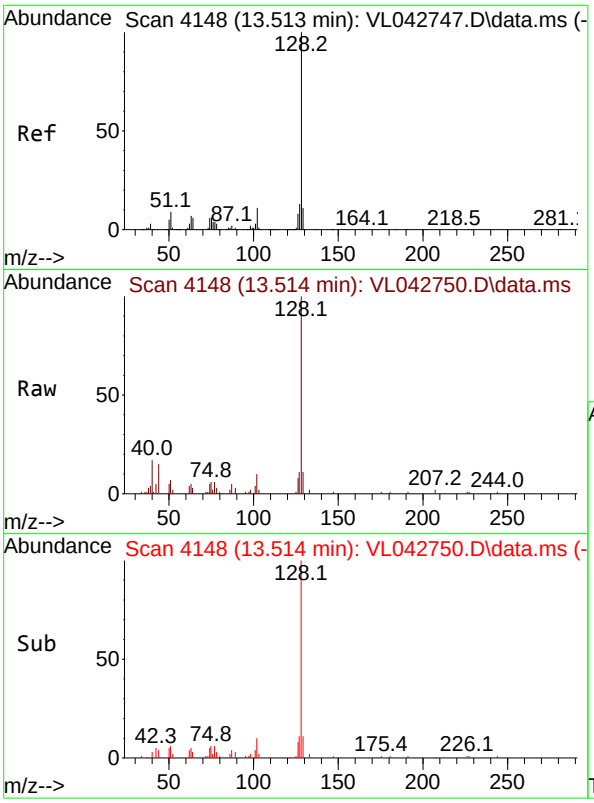


#78
Hexachloro-1,3-Butadiene
Concen: 0.532 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:225 Resp: 18330

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.7	76.1
227	63.7	50.5	75.7



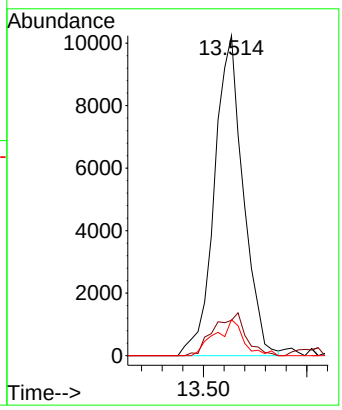


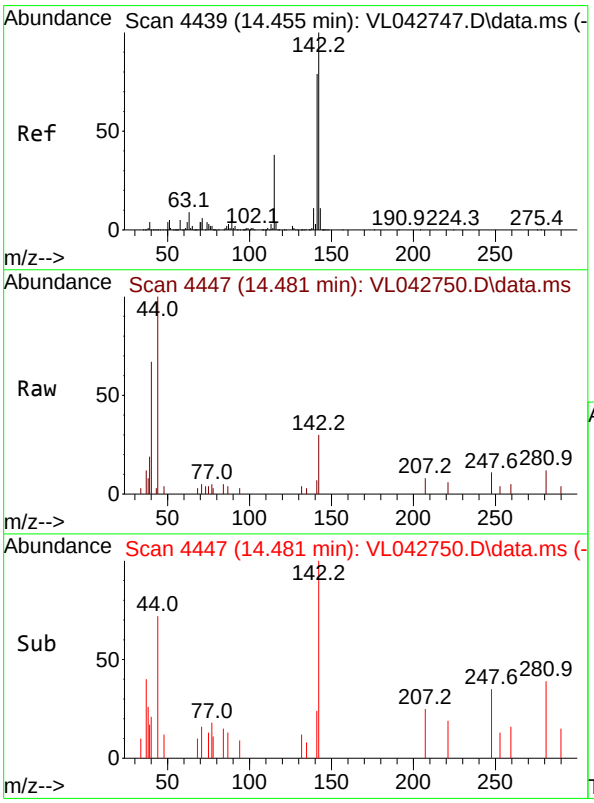
#79
Naphthalene
Concen: 0.592 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 9916

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.2	8.6	13.0

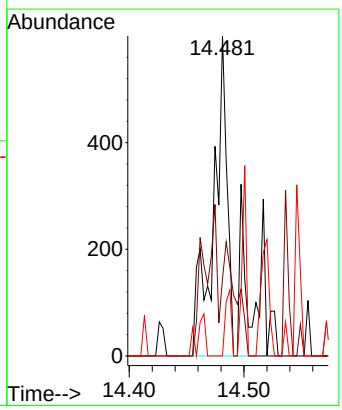


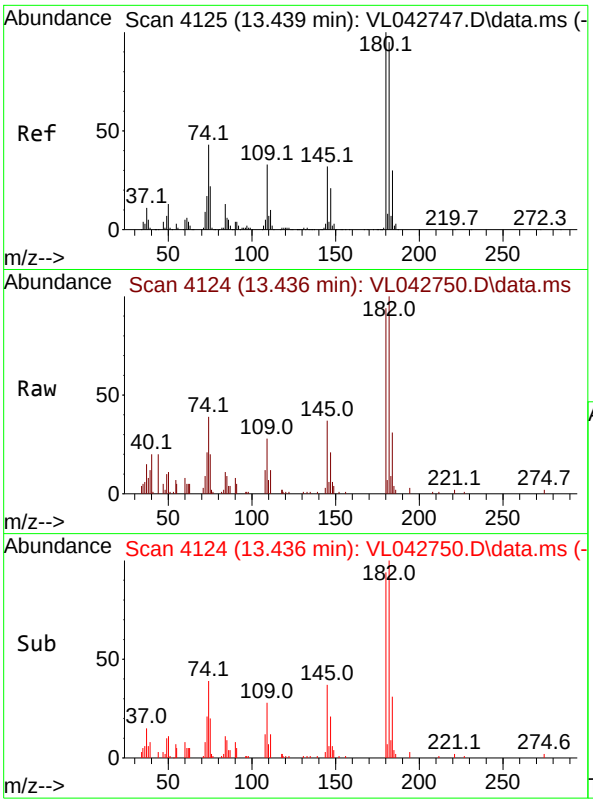


#80
Naphthalene,2-methyl-
Concen: 1.148 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:142 Resp: 731

Ion	Ratio	Lower	Upper
142	100		
141	54.6	65.8	98.8#
115	5.2	31.2	46.8#



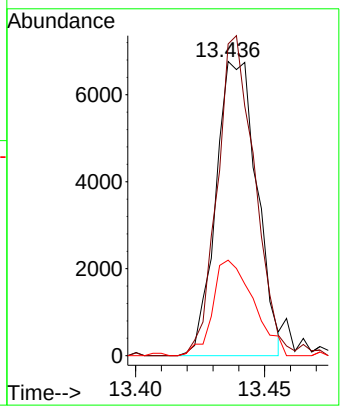


#81
1,2,4-Trichlorobenzene
Concen: 0.645 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 7453

Ion	Ratio	Lower	Upper
180	100		
182	100.9	76.2	114.2
184	33.0	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	753	0.038	ppbv	96
3) Chlorodifluoromethane	1.822	51	331	0.013	ppbv	100
4) Chloromethane	1.531	50	432	0.053	ppbv #	35
5) Vinyl Chloride	1.580	62	376	0.047	ppbv #	68
6) Bromomethane	1.660	94	181	0.058	ppbv #	51
7) Chloroethane	1.703	64	125	0.040	ppbv #	72
8) Dichlorotetrafluoroethane	1.554	85	753	0.046	ppbv	98
9) Propene	1.411	41	190	0.020	ppbv	89
10) Heptane	4.978	43	121	0.005	ppbv #	27
11) Trichlorofluoromethane	1.877	101	936	0.045	ppbv #	76
12) 1,1,2-Trichlorotrifluo...	2.140	101	345	0.022	ppbv #	8
13) Ethanol	1.887	45	511	Below Cal	#	1
14) Bromoethene	1.777	108	156	0.028	ppbv #	1
15) Acetone	1.832	43	2557	0.122	ppbv	91
16) 1,3-Butadiene	1.605	39	502	0.056	ppbv #	8
17) tert-Butyl alcohol	2.042	59	782	0.041	ppbv #	72
18) 1,1-Dichloroethene	2.033	96	312	0.044	ppbv #	57
19) Isopropyl Alcohol	1.887	45	511	0.046	ppbv	98
20) Methylene Chloride	2.059	84	1607	0.243	ppbv #	86
21) Allyl Chloride	2.094	41	856	0.066	ppbv #	28
22) trans-1,2-Dichloroethene	2.337	96	263	0.034	ppbv #	50
23) Vinyl Acetate	2.460	43	1410	0.055	ppbv #	62
24) 1,1-Dichloroethane	2.405	63	715	0.046	ppbv #	94
25) Ethyl Acetate	2.832	43	1085	0.023	ppbv #	65
26) Hexane	2.819	57	704	0.035	ppbv #	1
27) Carbon Disulfide	2.146	76	605	0.035	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	249	0.026	ppbv #	1
29) Chloroform	2.842	83	1324	0.042	ppbv	92
30) Cyclohexane	3.852	84	115	0.007	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	527	0.025	ppbv #	79
32) 1,1,1-Trichloroethane	3.353	97	302	0.009	ppbv #	1
34) 2-Butanone	2.557	43	1423	0.046	ppbv	96
35) Carbon Tetrachloride	3.755	117	427	0.013	ppbv #	43
36) Benzene	3.645	78	1657	0.040	ppbv #	84
37) 1,2-Dichloroethane	3.214	62	902	0.037	ppbv #	81
38) Trichloroethene	4.535	130	438	0.022	ppbv #	24
39) 1,2-Dichloropropane	3.949	63	109883	7.257	ppbv #	21
40) 1,4-Dioxane	4.541	88	32	0.004	ppbv #	1
41) Tetrahydrofuran	3.039	42	84	0.005	ppbv #	38
42) Bromodichloromethane	4.470	83	390	0.012	ppbv #	26
43) Methyl Methacrylate	4.862	69	32	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.628	57	714	0.011	ppbv #	1
45) t-1,3-Dichloropropene	6.392	75	252	0.015	ppbv #	77

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

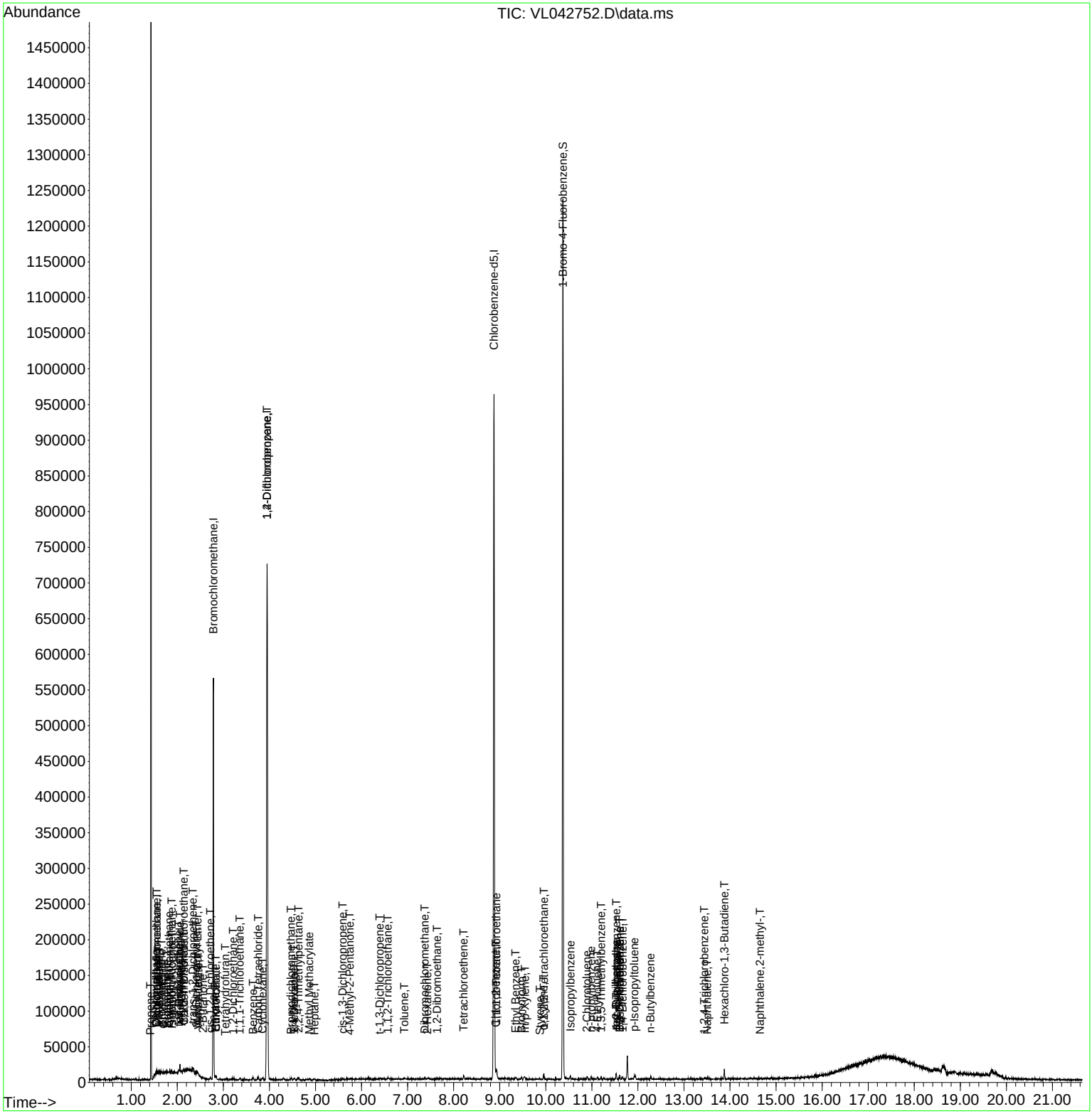
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	259	0.012	ppbv	#	26
47) 1,1,2-Trichloroethane	6.570	97	226	0.014	ppbv	#	34
48) Dibromochloromethane	7.370	129	206	0.008	ppbv	#	1
49) Bromoform	9.470	173	346	0.015	ppbv	#	31
50) 4-Methyl-2-Pentanone	5.742	43	157	0.004	ppbv	#	40
51) 2-Hexanone	7.428	43	72	0.002	ppbv	#	30
52) Tetrachloroethene	8.215	164	317	0.019	ppbv	#	35
53) Toluene	6.926	91	832	0.019	ppbv	#	21
54) 1,2-Dibromoethane	7.635	107	155	0.007	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.924	131	471	0.023	ppbv	#	1
57) Chlorobenzene	8.914	112	852	0.023	ppbv	#	48
58) Ethyl Benzene	9.344	91	837	0.014	ppbv		90
59) m/p-Xylene	9.548	91	1097	0.022	ppbv	#	30
60) o-Xylene	9.953	91	1440	0.029	ppbv		95
61) Styrene	9.872	104	373	0.018	ppbv	#	58
62) Isopropylbenzene	10.535	105	1137	0.016	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	9.959	83	685	0.022	ppbv	#	57
64) n-propylbenzene	10.985	120	465	0.025	ppbv		78
65) tert-Butylbenzene	11.526	119	1786	0.028	ppbv	#	92
66) Benzyl Chloride	11.600	91	118	0.022	ppbv	#	61
67) sec-Butylbenzene	11.529	105	1421	0.016	ppbv		96
69) p-Isopropyltoluene	11.921	119	1420	0.019	ppbv	#	78
70) n-Butylbenzene	12.273	91	591	0.008	ppbv	#	24
71) 2-Chlorotoluene	10.895	91	547	0.010	ppbv	#	45
72) 4-Ethyltoluene	11.118	105	1098	0.019	ppbv	#	78
73) 1,3,5-Trimethylbenzene	11.202	105	1204	0.025	ppbv		96
74) 1,2,4-Trimethylbenzene	11.529	105	1421	0.027	ppbv		88
75) 1,3-Dichlorobenzene	11.600	146	1122	0.031	ppbv		86
76) 1,4-Dichlorobenzene	11.668	146	658	0.018	ppbv	#	71
77) 1,2-Dichlorobenzene	11.600	146	1122	0.031	ppbv		89
78) Hexachloro-1,3-Butadiene	13.876	225	1559	0.048	ppbv	#	86
79) Naphthalene	13.503	128	126	0.436	ppbv	#	69
80) Naphthalene,2-methyl-	14.649	142	15	1.127	ppbv	#	23
81) 1,2,4-Trichlorobenzene	13.439	180	170	0.438	ppbv	#	1

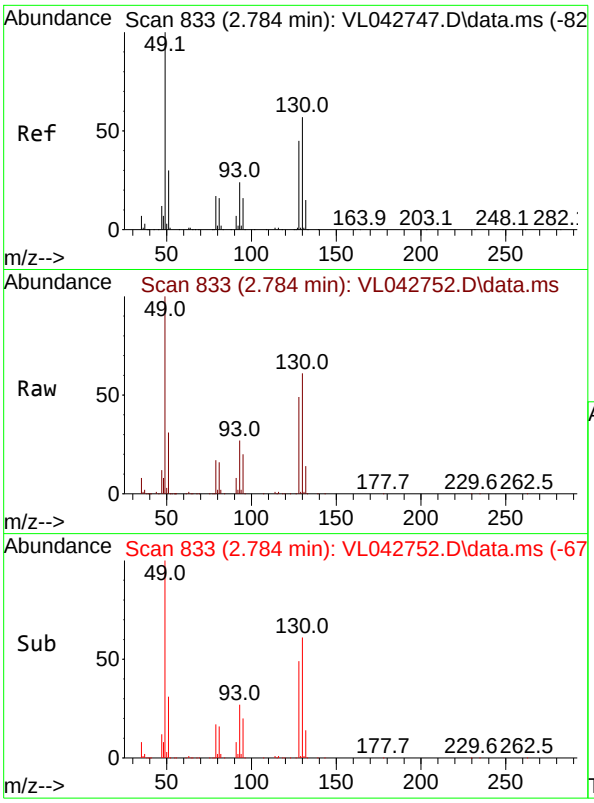
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



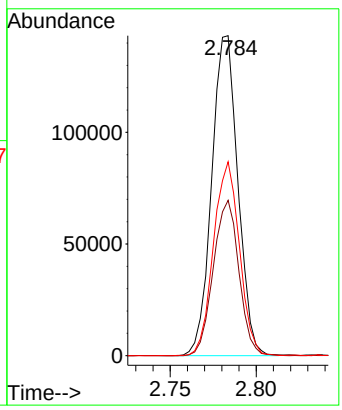


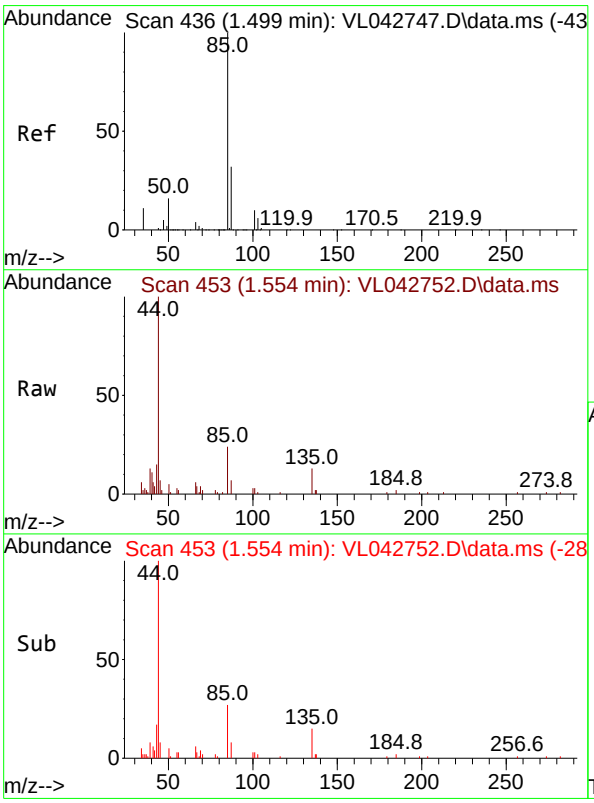
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 151834

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.6	71.0
130	60.2	30.3	90.8

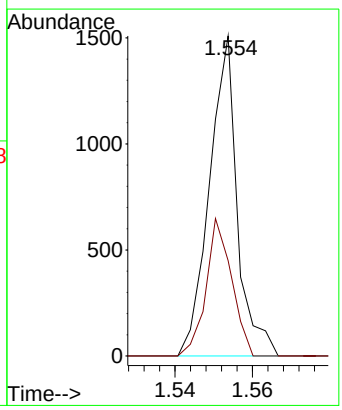


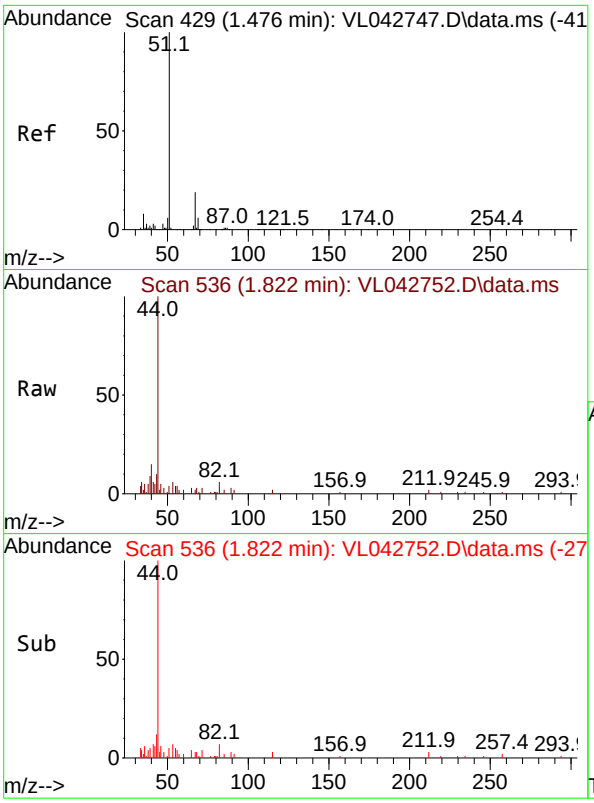


#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.055 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753

Ion	Ratio	Lower	Upper
85	100		
87	29.8	25.4	38.2



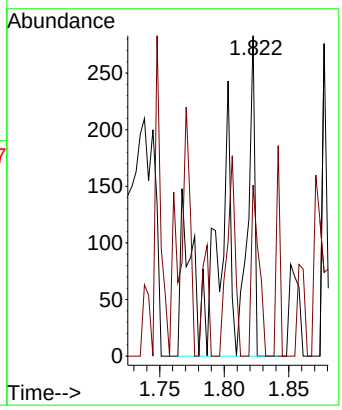


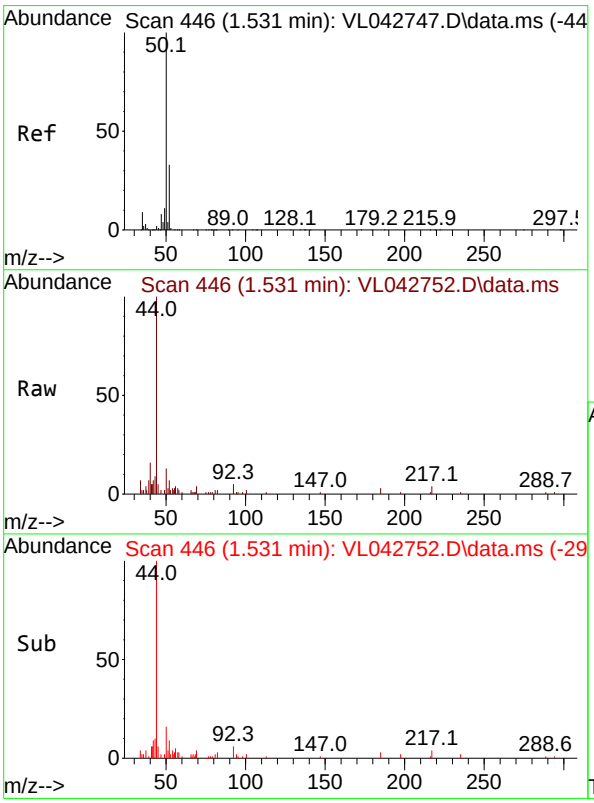
#3
Chlorodifluoromethane
Concen: 0.013 ppbv
RT: 1.822 min Scan# 5
Delta R.T. 0.346 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 331

Ion	Ratio	Lower	Upper
51	100		
67	18.7	15.0	22.6

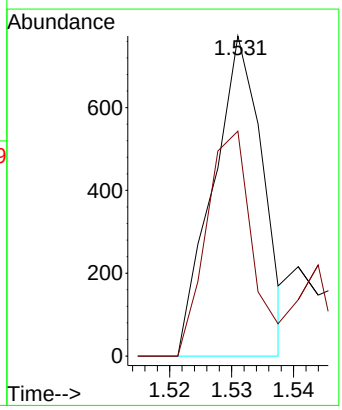


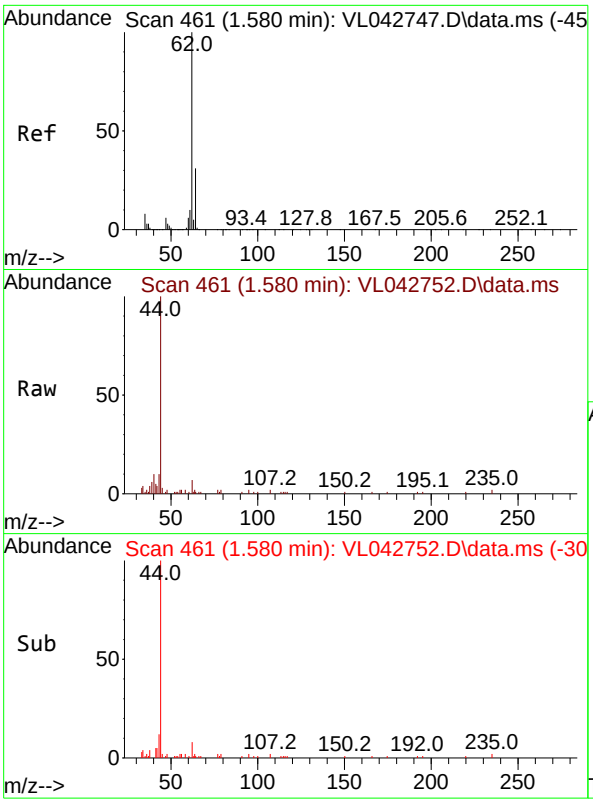


#4
Chloromethane
Concen: 0.053 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 50 Resp: 432

Ion	Ratio	Lower	Upper
50	100		
52	70.2	26.6	40.0#



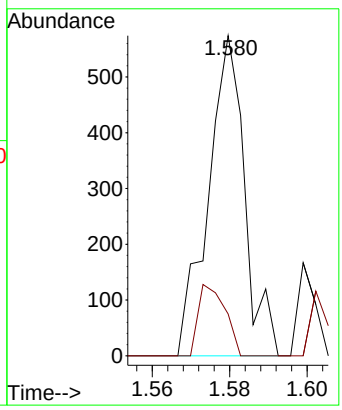


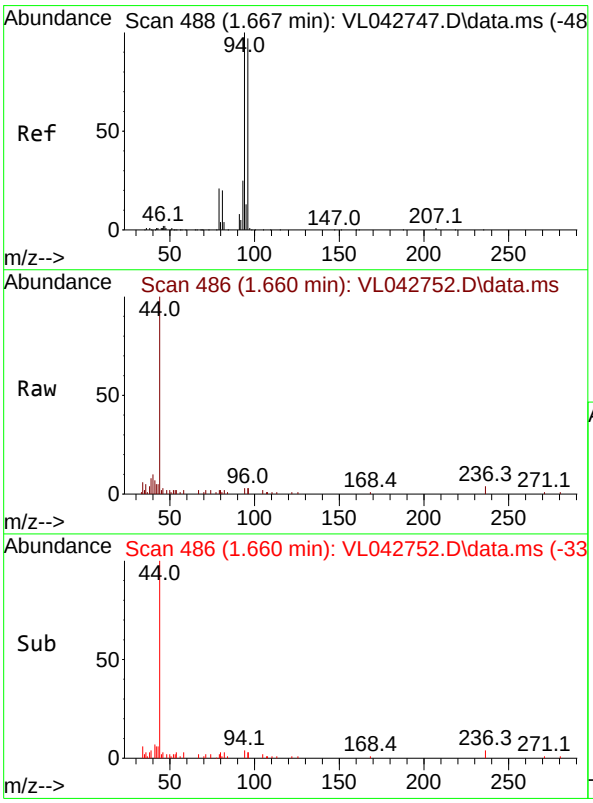
#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 376

Ion	Ratio	Lower	Upper
62	100		
64	13.1	24.5	36.7#

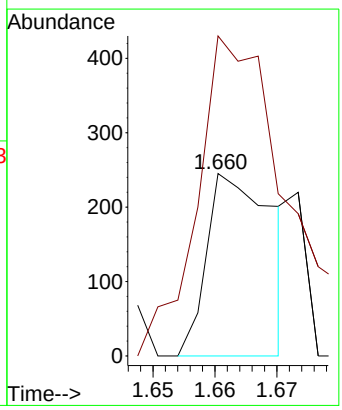


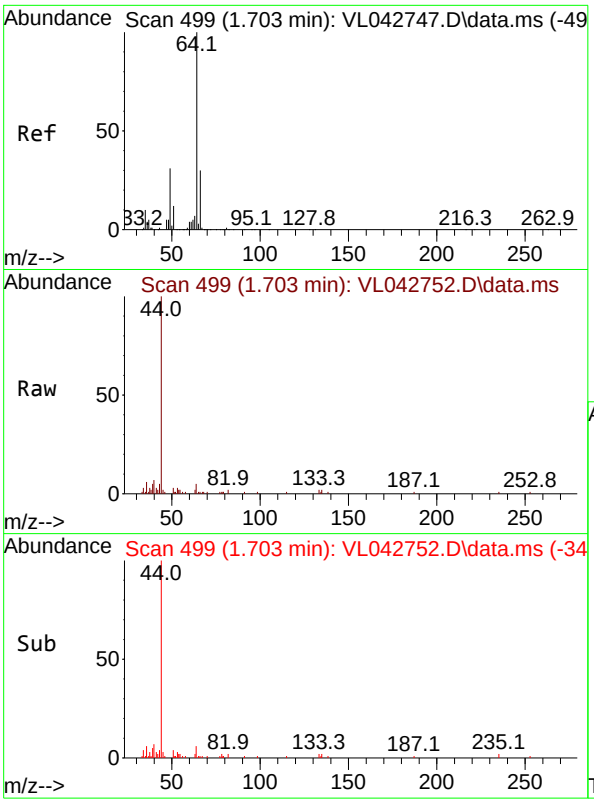


#6
Bromomethane
Concen: 0.058 ppbv
RT: 1.660 min Scan# 486
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 94 Resp: 181

Ion	Ratio	Lower	Upper
94	100		
96	144.9	77.6	116.4#



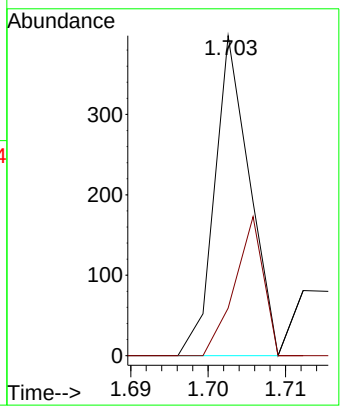


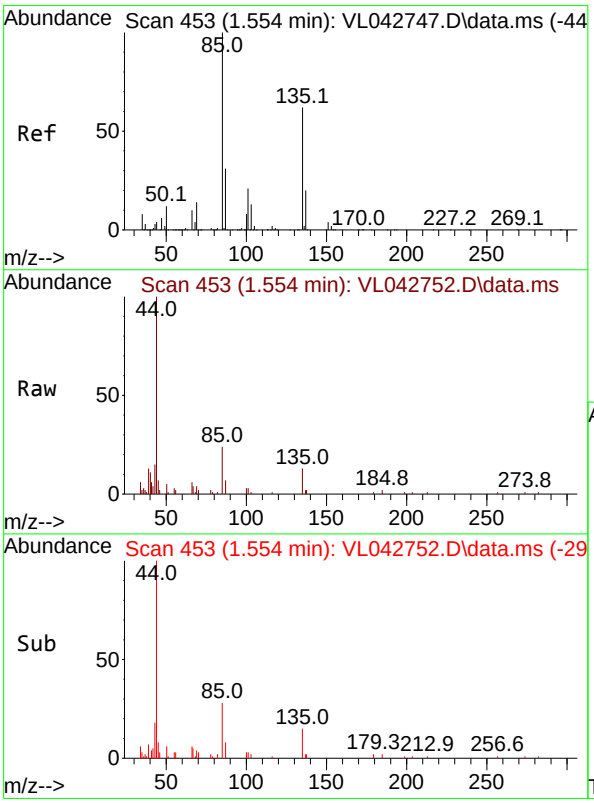
#7
Chloroethane
Concen: 0.040 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 125

Ion	Ratio	Lower	Upper
64	100		
66	14.8	24.1	36.1#

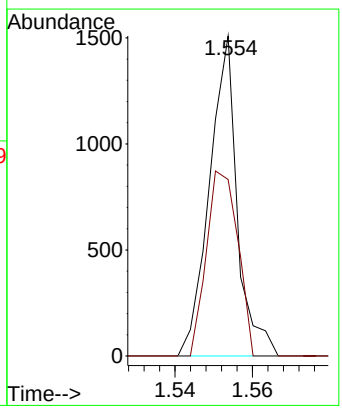


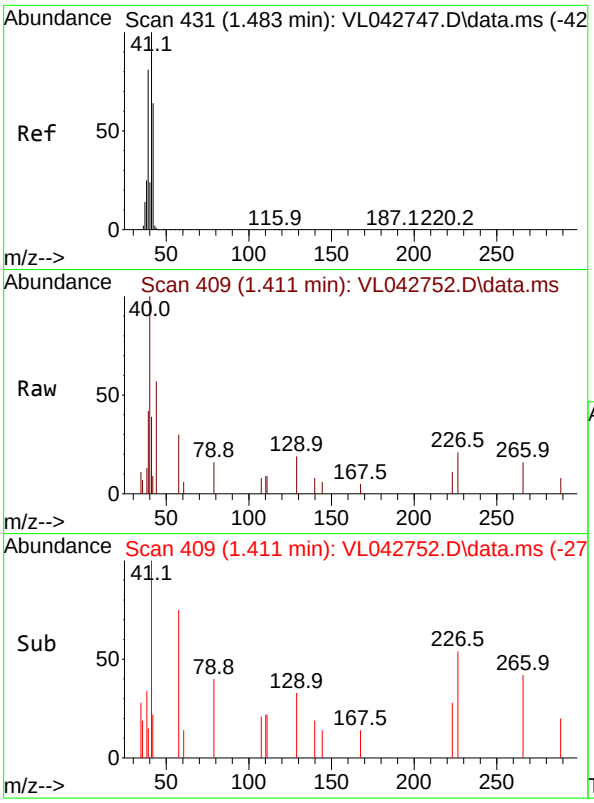


#8
Dichlorotetrafluoroethane
Concen: 0.046 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753

Ion	Ratio	Lower	Upper
85	100		
135	65.1	50.6	76.0



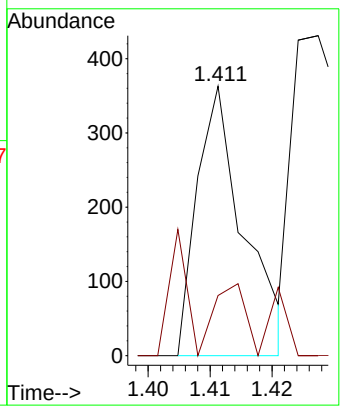


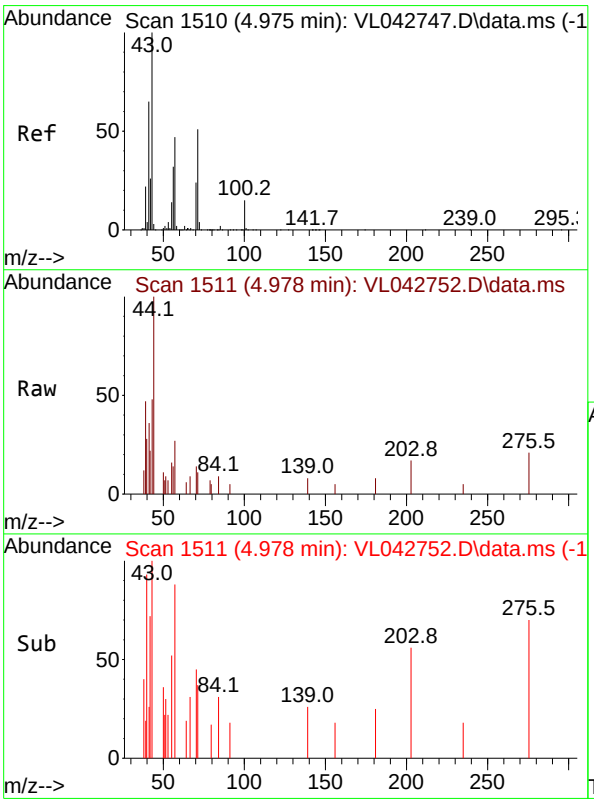
#9
Propene
Concen: 0.020 ppbv
RT: 1.411 min Scan# 4
Delta R.T. -0.071 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 190

Ion	Ratio	Lower	Upper
41	100		
42	57.9	53.2	79.8

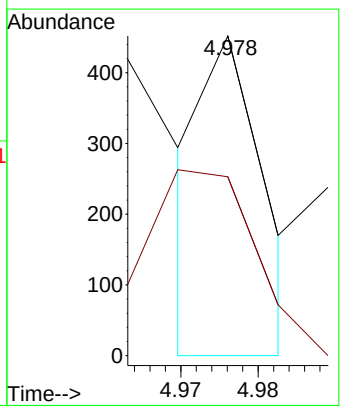


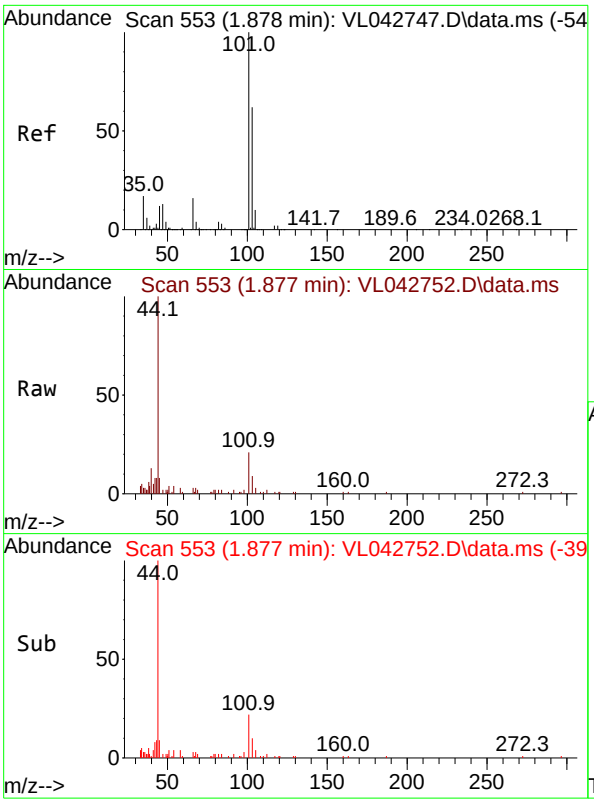


#10
Heptane
Concen: 0.005 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 121

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



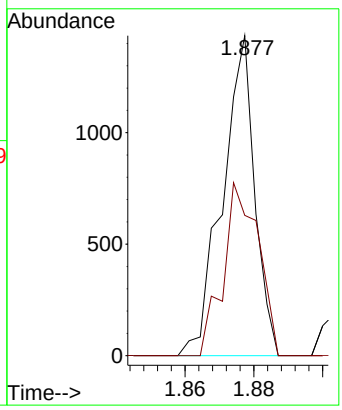


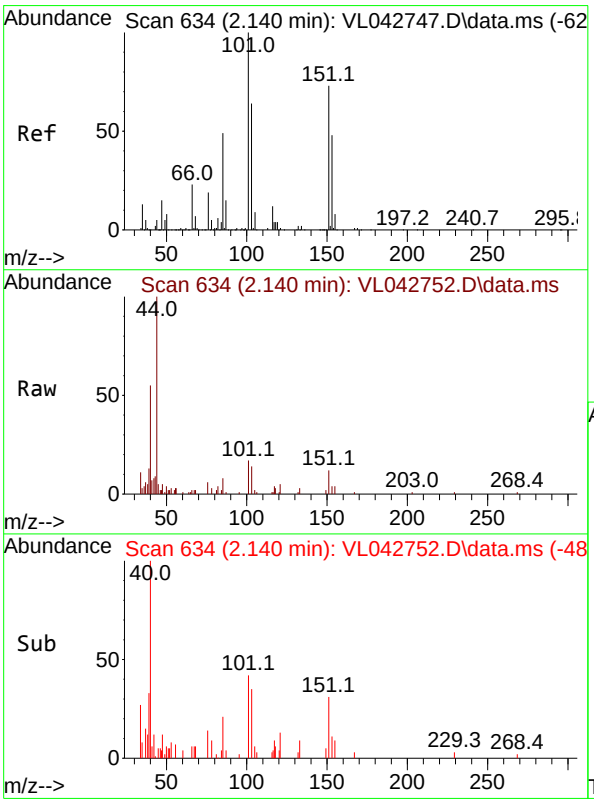
#11
Trichlorofluoromethane
Concen: 0.045 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 936

Ion	Ratio	Lower	Upper
101	100		
103	43.8	49.6	74.4#

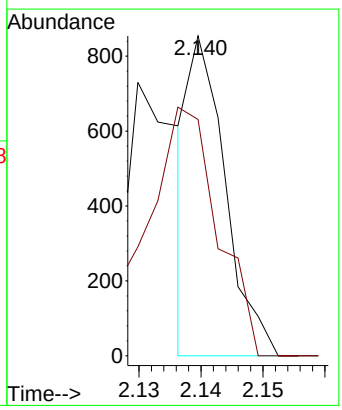


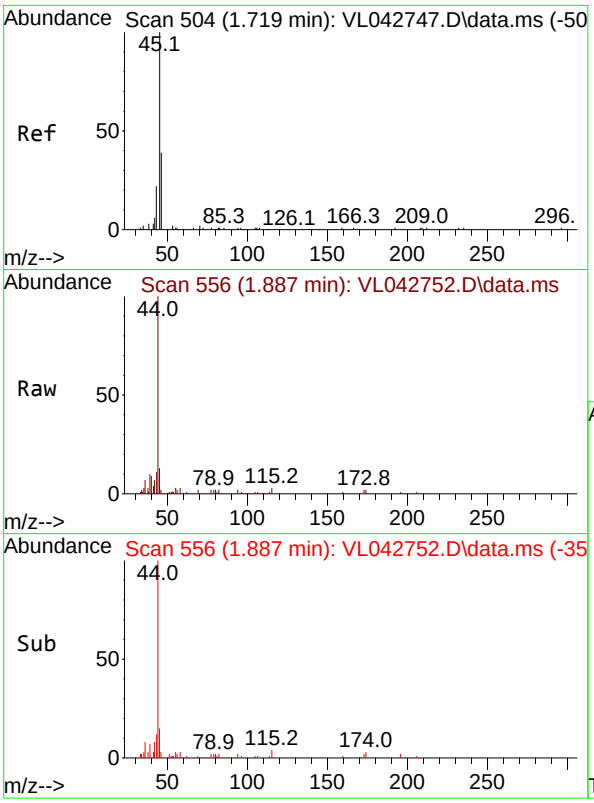


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.022 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:101 Resp: 345

Ion	Ratio	Lower	Upper
101	100		
151	154.5	60.5	90.7#



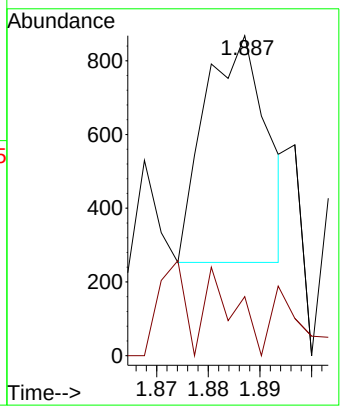


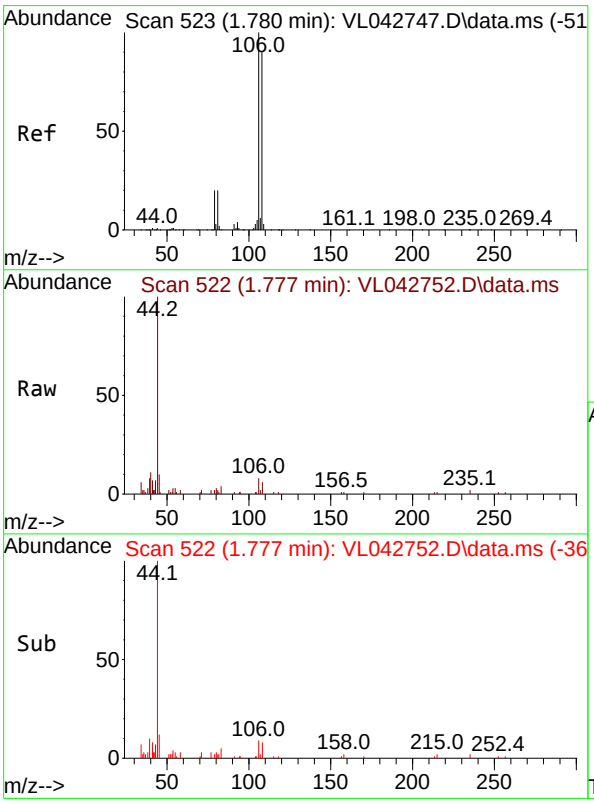
#13
Ethanol
Concen: Below Cal
RT: 1.887 min Scan# 5
Delta R.T. 0.168 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 511

Ion	Ratio	Lower	Upper
45	100		
46	146.4	17.8	71.4#

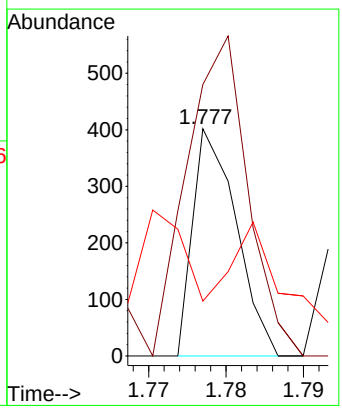


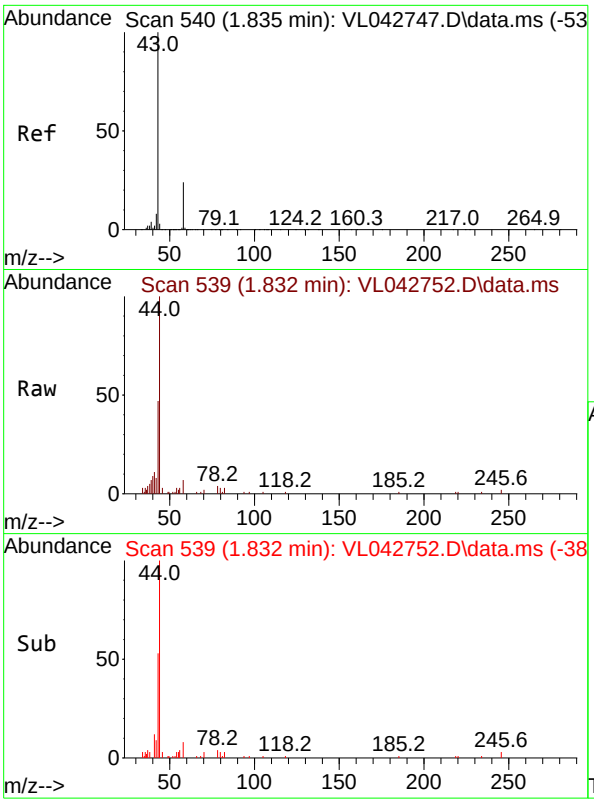


#14
Bromoethene
Concen: 0.028 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:108 Resp: 156

Ion	Ratio	Lower	Upper
108	100		
106	219.2	84.7	127.1#
79	223.7	17.4	26.2#



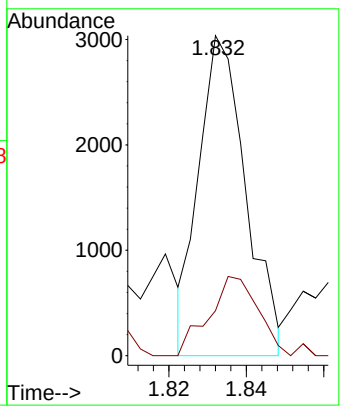


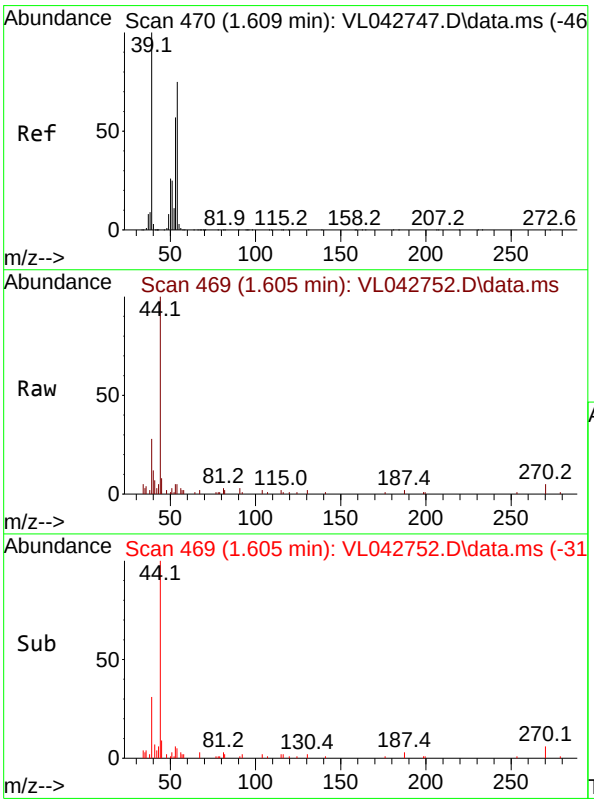
#15
Acetone
Concen: 0.122 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 2557

Ion	Ratio	Lower	Upper
43	100		
58	29.5	19.8	29.8

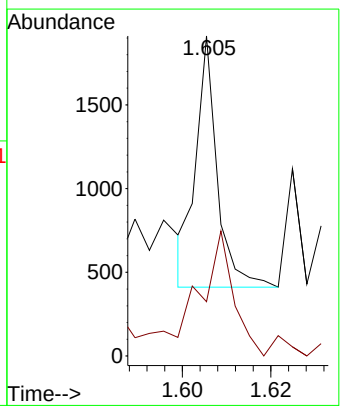


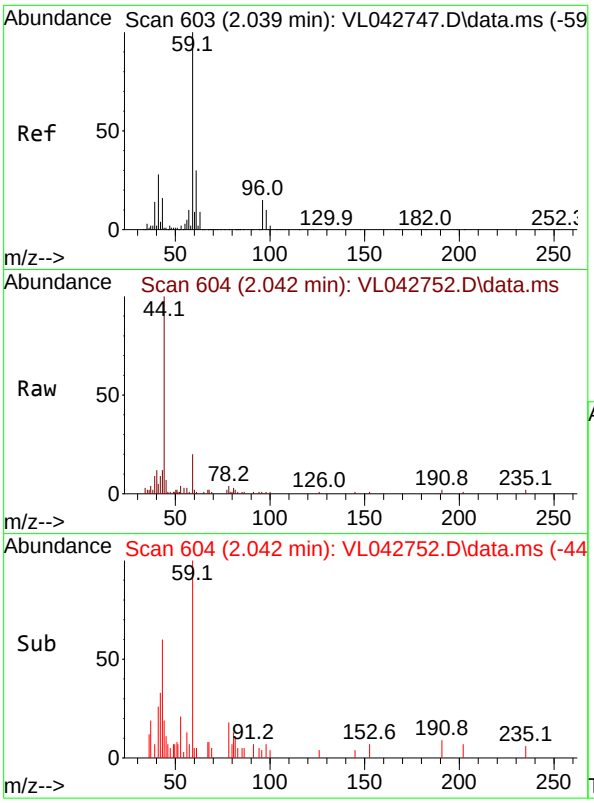


#16
1,3-Butadiene
Concen: 0.056 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 39 Resp: 502

Ion	Ratio	Lower	Upper
39	100		
54	142.8	54.5	81.7#



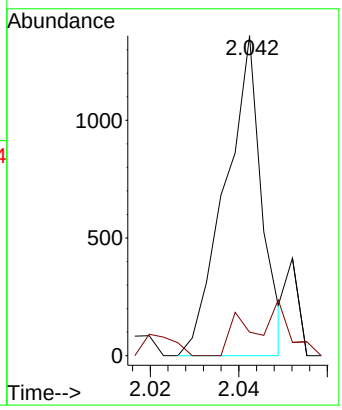


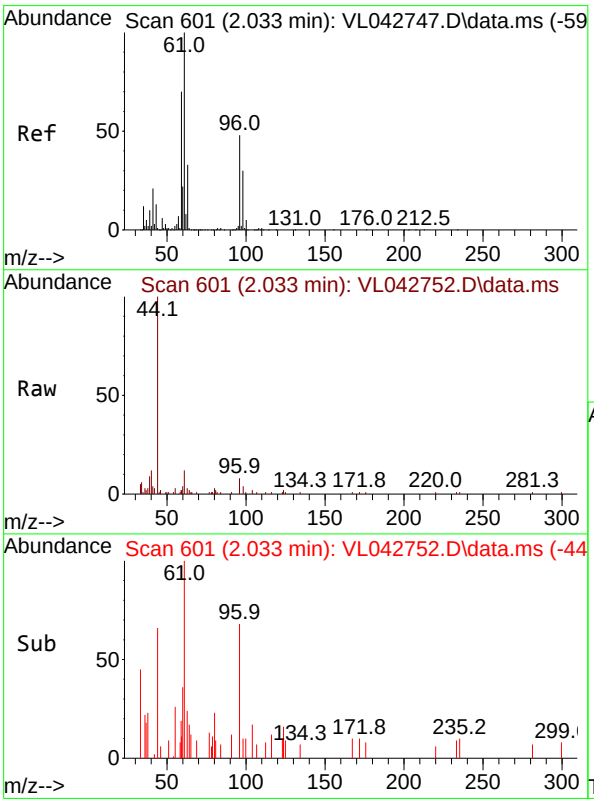
#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 782

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

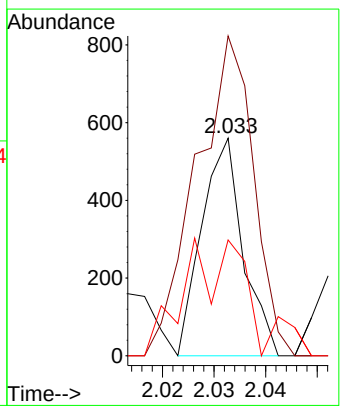


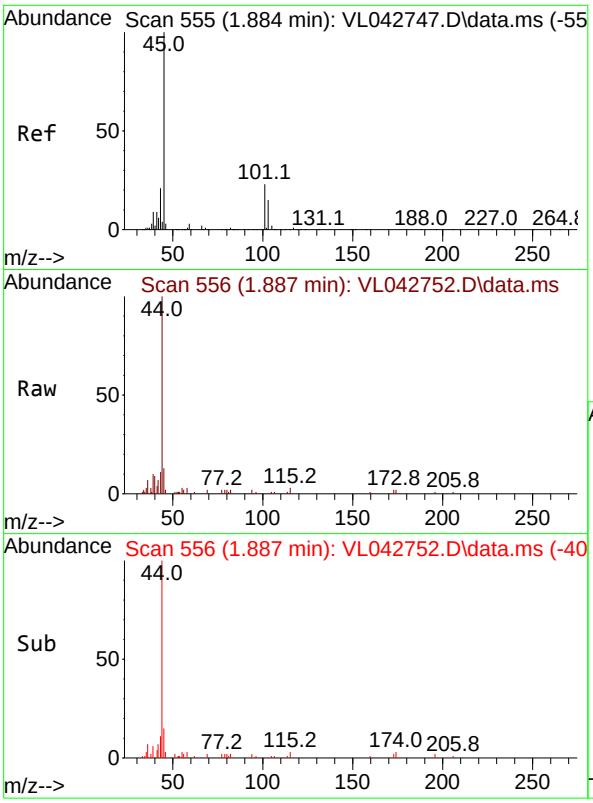


#18
1,1-Dichloroethene
Concen: 0.044 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 96 Resp: 312

Ion	Ratio	Lower	Upper
96	100		
61	135.9	165.8	248.6#
98	38.4	49.9	74.9#



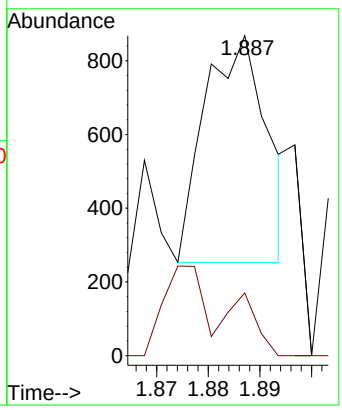


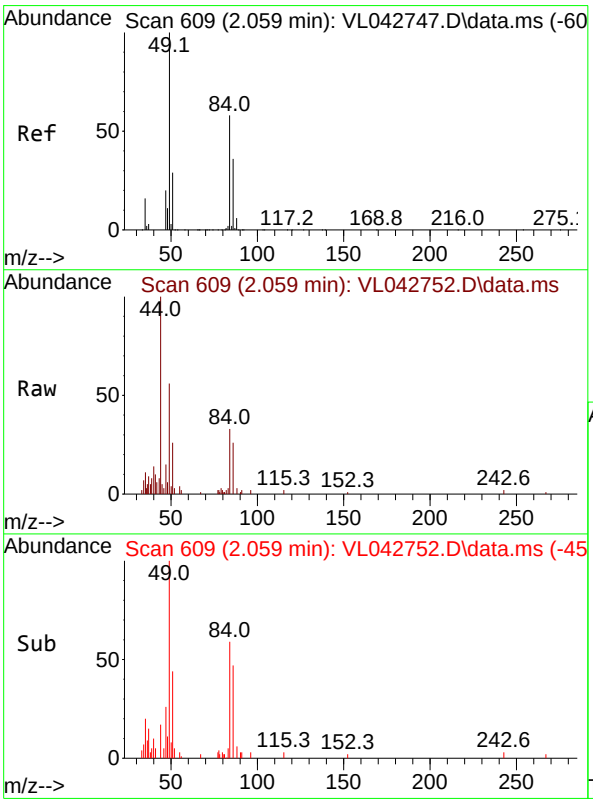
#19
Isopropyl Alcohol
Concen: 0.046 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 511

Ion	Ratio	Lower	Upper
45	100		
58	38.9	30.0	45.0

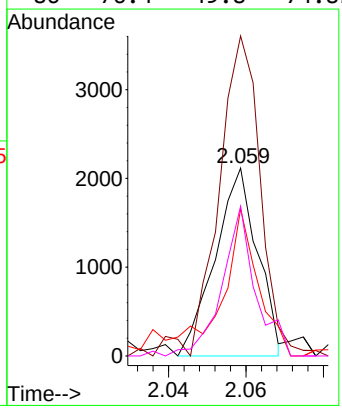


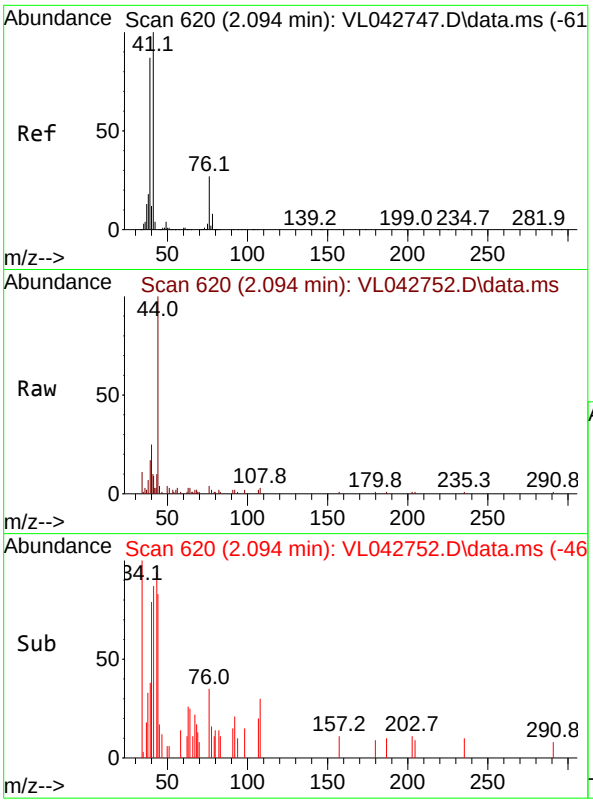


#20
Methylene Chloride
Concen: 0.243 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 84 Resp: 1607

Ion	Ratio	Lower	Upper
84	100		
49	161.5	138.6	208.0
51	68.3	40.6	61.0#
86	76.4	49.8	74.8#



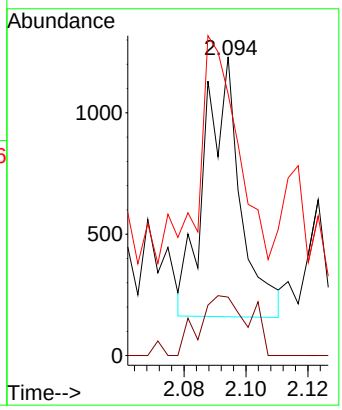


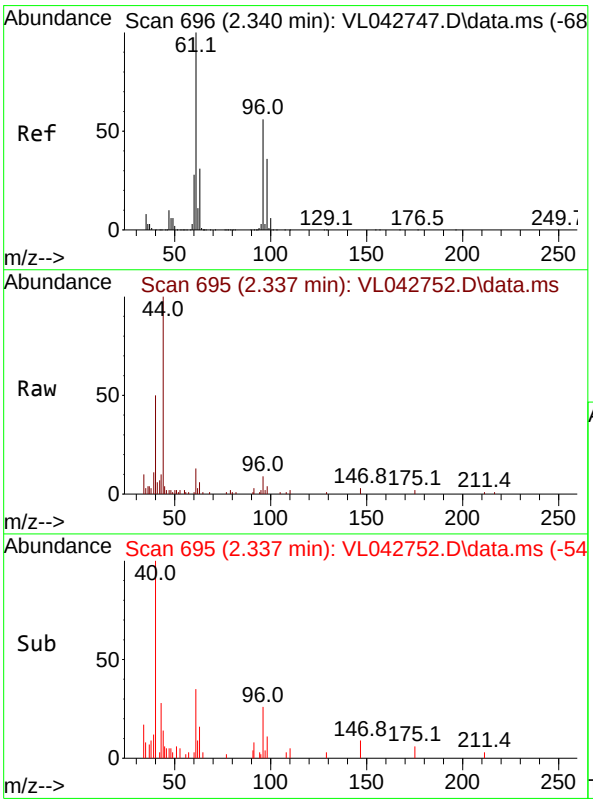
#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 856

Ion	Ratio	Lower	Upper
41	100		
76	35.0	21.1	31.7#
39	167.2	68.3	102.5#

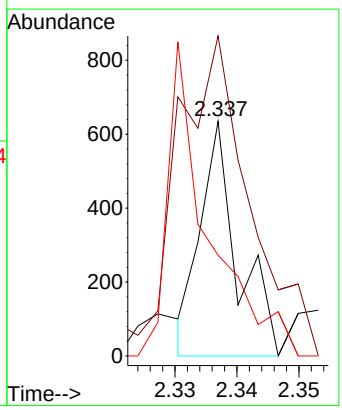


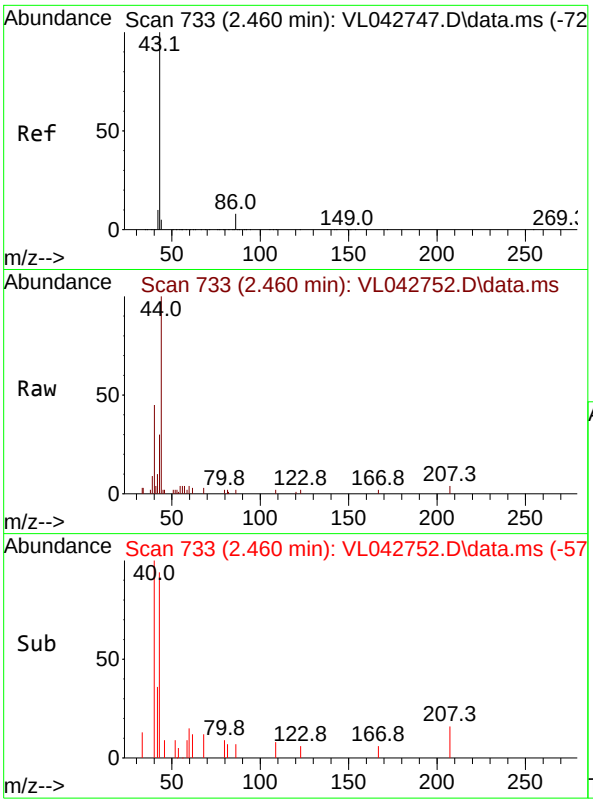


#22
trans-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 96 Resp: 263

Ion	Ratio	Lower	Upper
96	100		
61	108.2	142.3	213.5#
98	24.1	50.6	76.0#



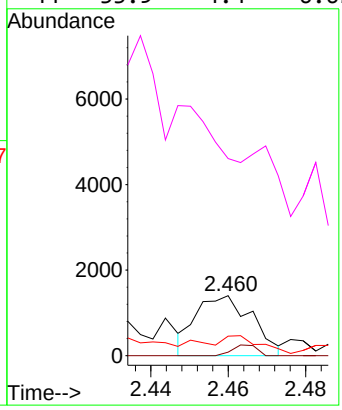


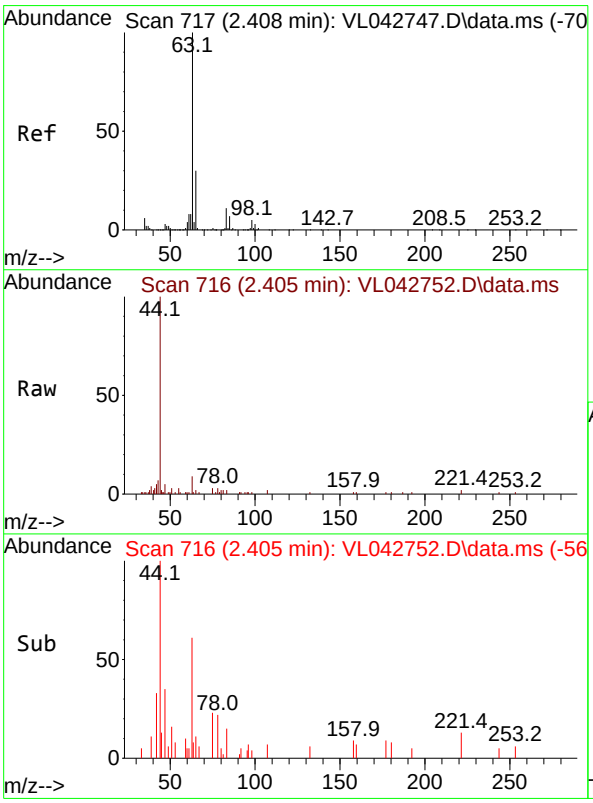
#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1410

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.1	9.1
42	24.7	7.8	11.8#
44	33.9	4.4	6.6#

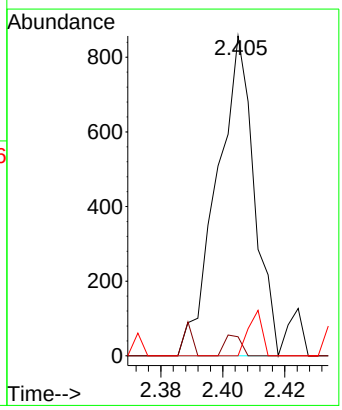


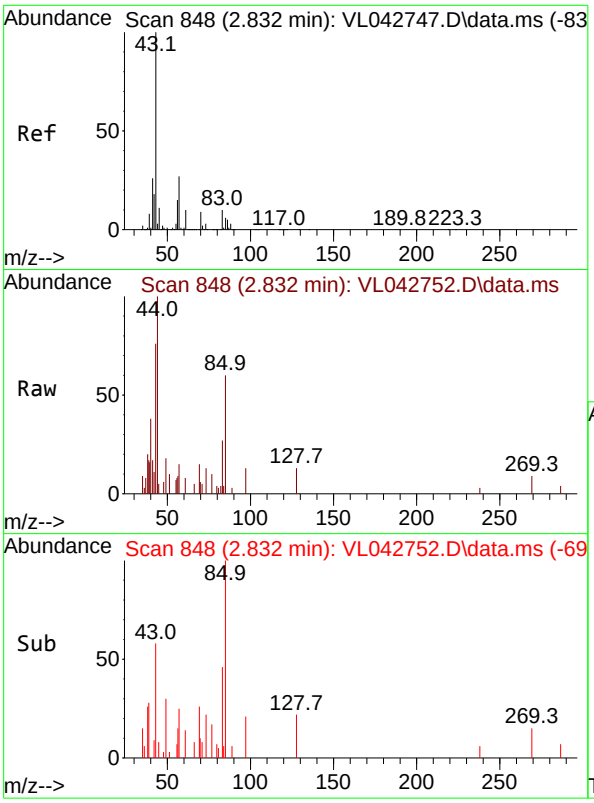


#24
1,1-Dichloroethane
Concen: 0.046 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 63 Resp: 715

Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.5	7.4
100	0.0	1.6	4.8#



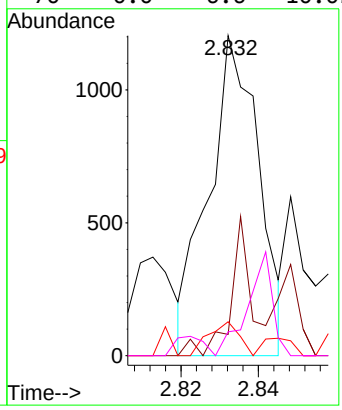


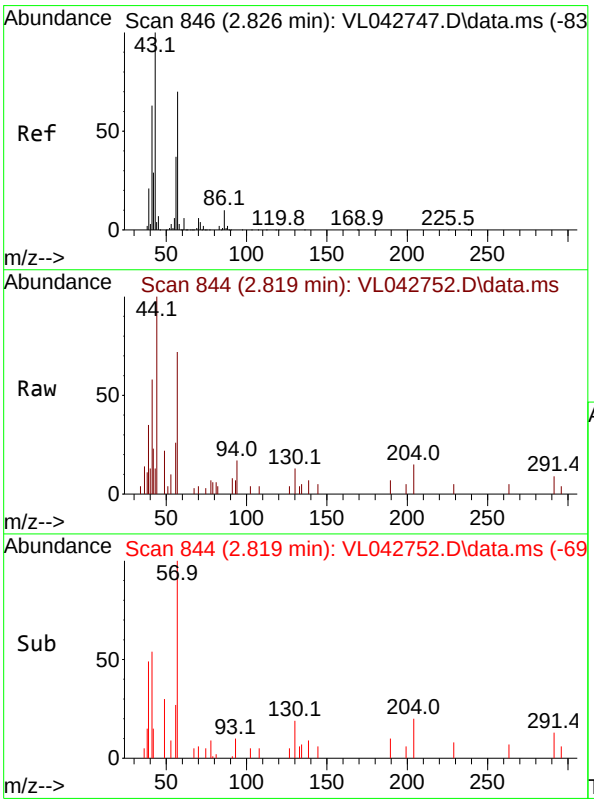
#25
Ethyl Acetate
Concen: 0.023 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1085

Ion	Ratio	Lower	Upper
43	100		
45	29.7	7.8	11.6#
61	0.0	6.7	10.1#
70	0.0	6.6	10.0#

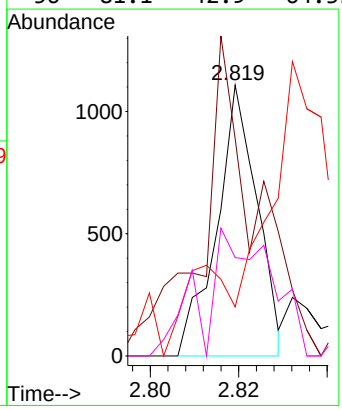


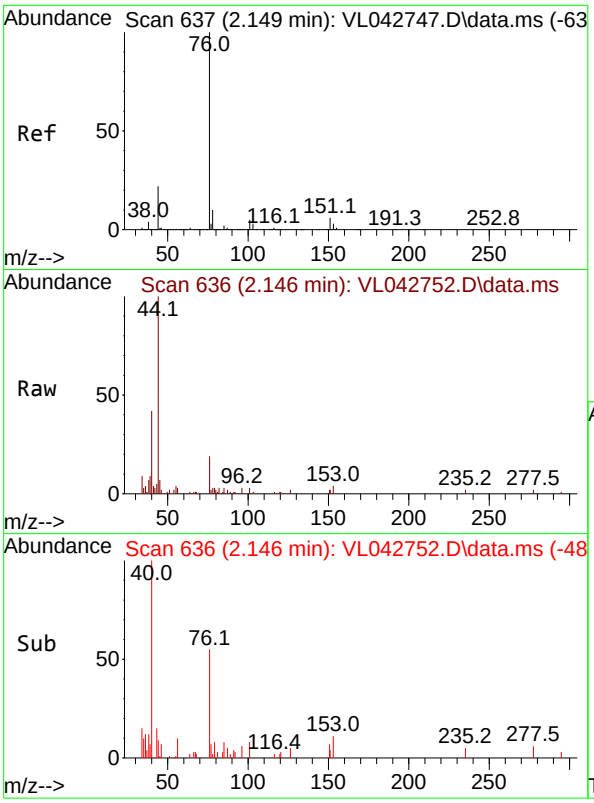


#26
Hexane
Concen: 0.035 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 57 Resp: 704

Ion	Ratio	Lower	Upper
57	100		
41	174.3	75.4	113.2#
43	0.0	185.0	277.6#
56	81.1	42.9	64.3#



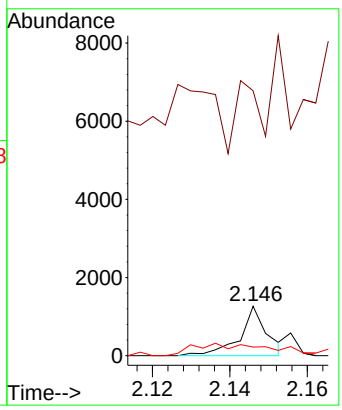


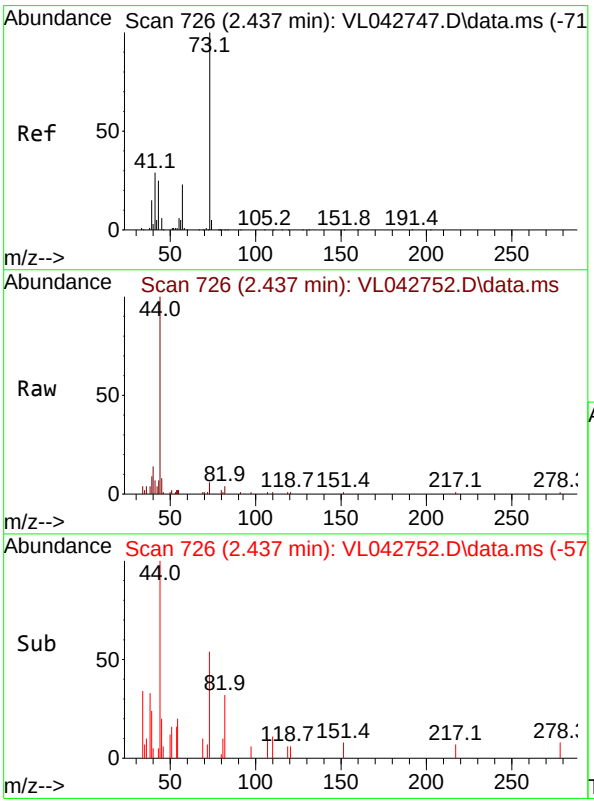
#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 605

Ion	Ratio	Lower	Upper
76	100		
44	958.2	19.3	28.9#
78	90.7	9.9	14.9#

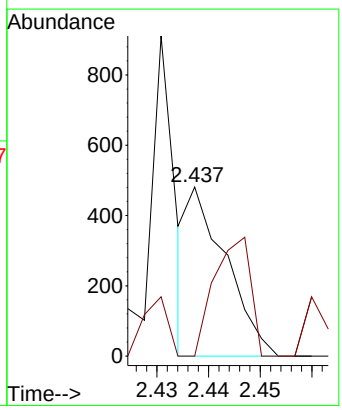


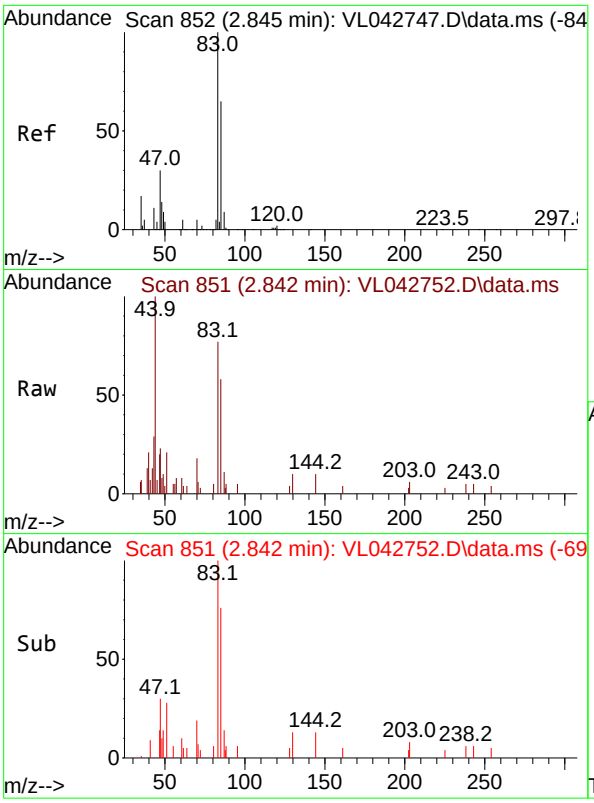


#28
Methyl tert-Butyl Ether
Concen: 0.026 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 73 Resp: 249

Ion	Ratio	Lower	Upper
73	100		
57	153.8	19.8	29.8#



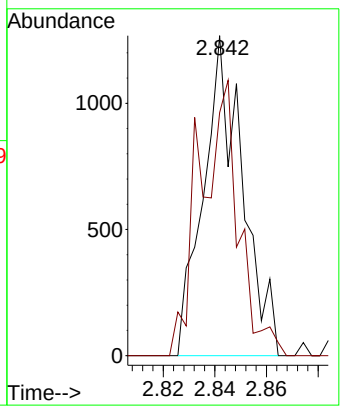


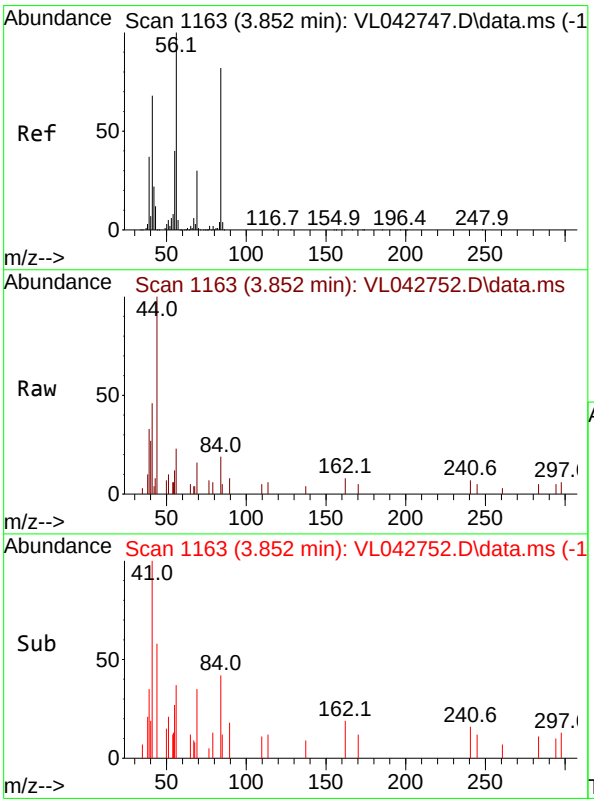
#29
Chloroform
Concen: 0.042 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 1324

Ion	Ratio	Lower	Upper
83	100		
85	71.8	52.2	78.2

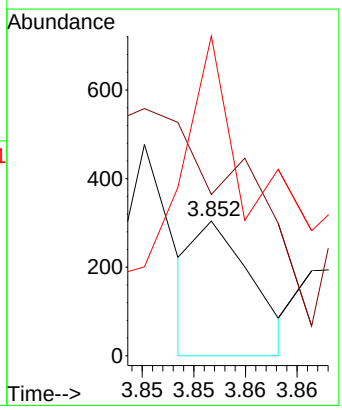


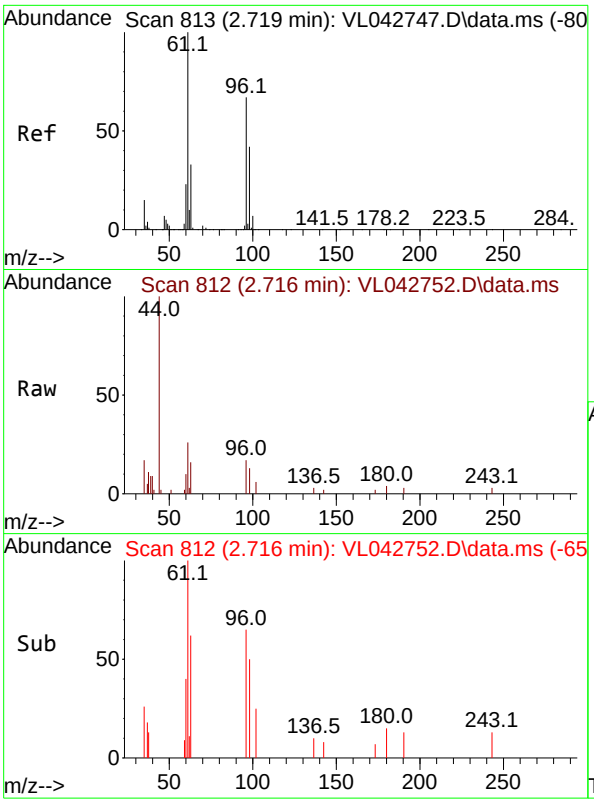


#30
Cyclohexane
Concen: 0.007 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 84 Resp: 115

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	1088.7	67.2	100.8#



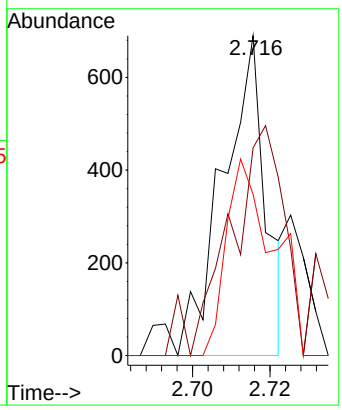


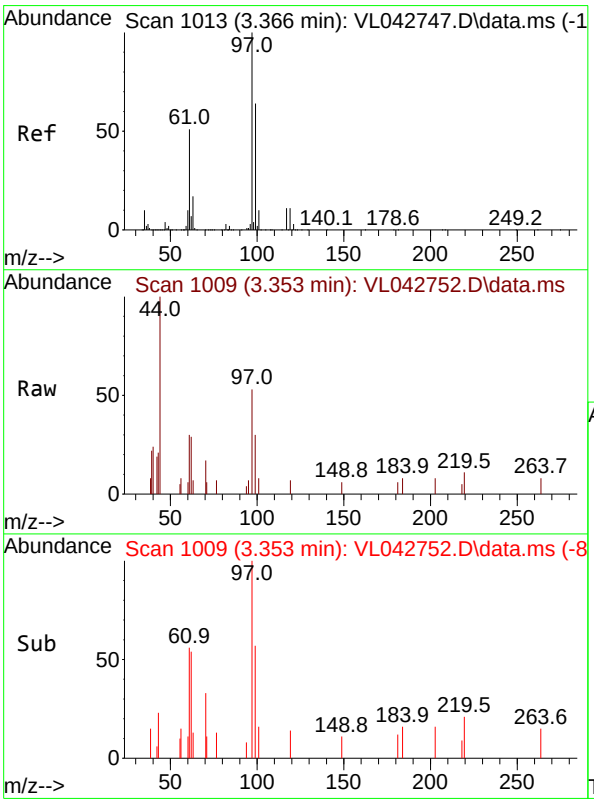
#31
cis-1,2-Dichloroethene
Concen: 0.025 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 527

Ion	Ratio	Lower	Upper
61	100		
96	46.1	53.5	80.3#
98	50.4	33.6	50.4#

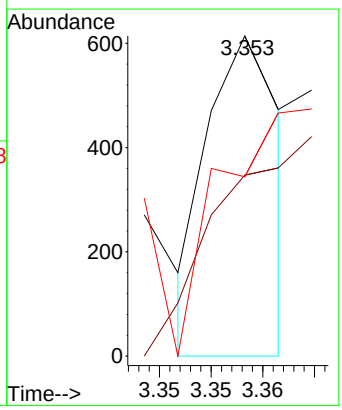


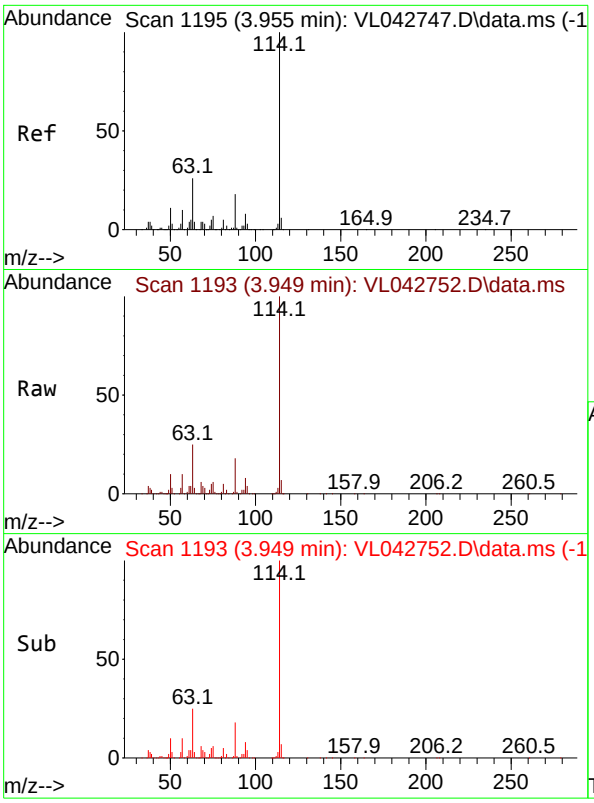


#32
1,1,1-Trichloroethane
Concen: 0.009 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 97 Resp: 302

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	186.1	40.9	61.3#



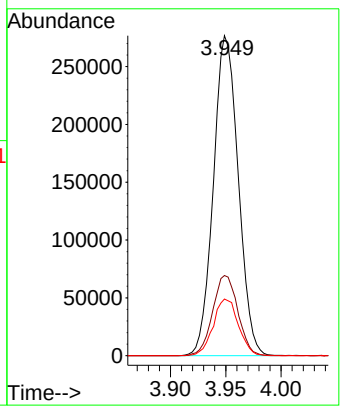


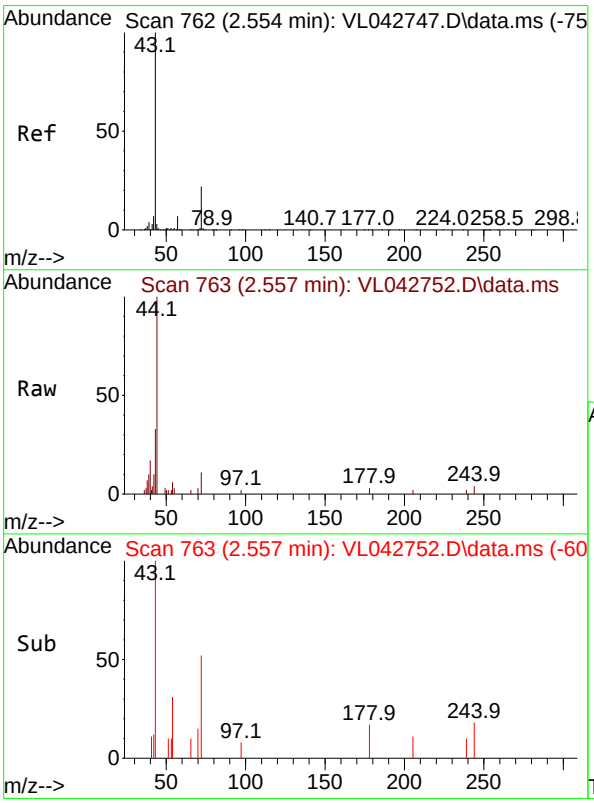
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 432802

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0

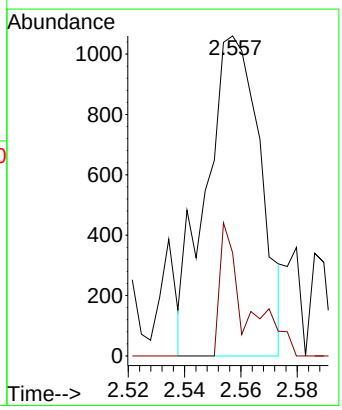


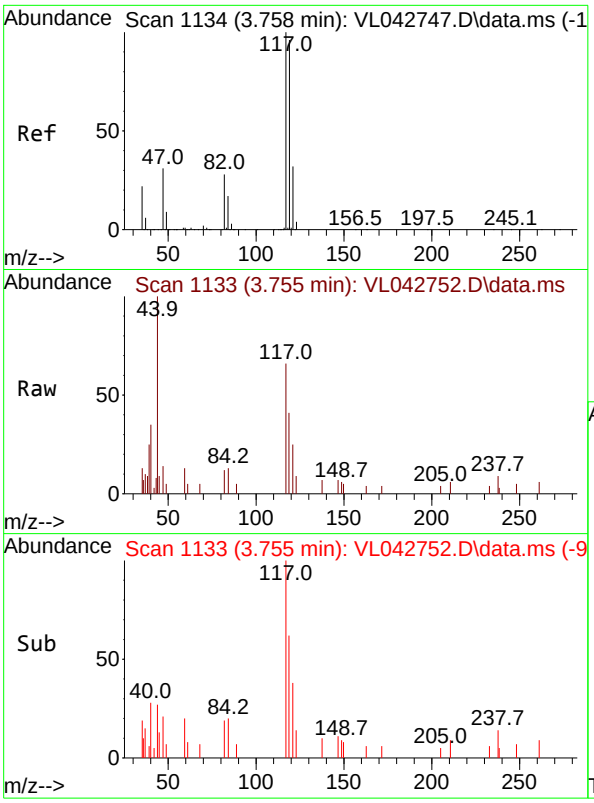


#34
2-Butanone
Concen: 0.046 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 1423

Ion	Ratio	Lower	Upper
43	100		
72	19.7	17.4	26.0



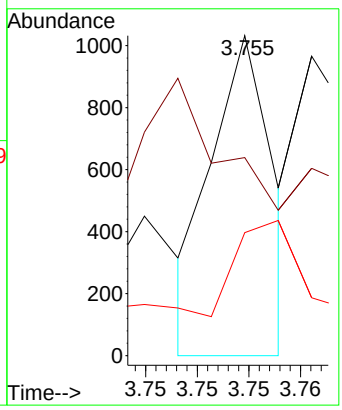


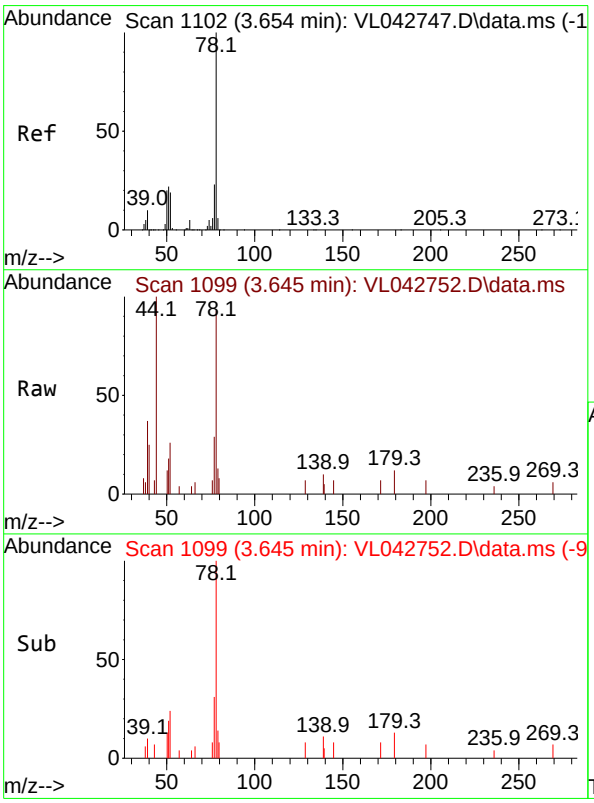
#35
Carbon Tetrachloride
Concen: 0.013 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 427

Ion	Ratio	Lower	Upper
117	100		
119	23.7	77.1	115.7#
121	33.9	25.5	38.3

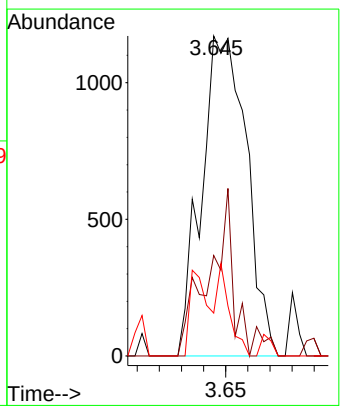


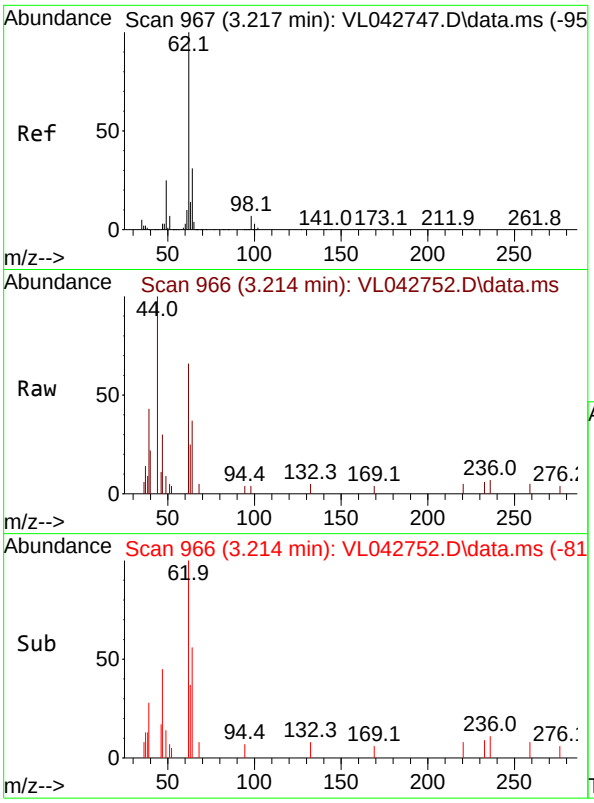


#36
Benzene
Concen: 0.040 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 78 Resp: 1657

Ion	Ratio	Lower	Upper
78	100		
77	31.4	18.5	27.7#
50	13.4	16.2	24.2#



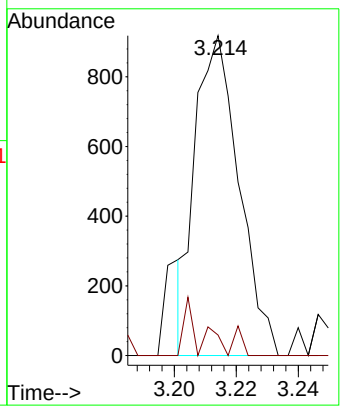


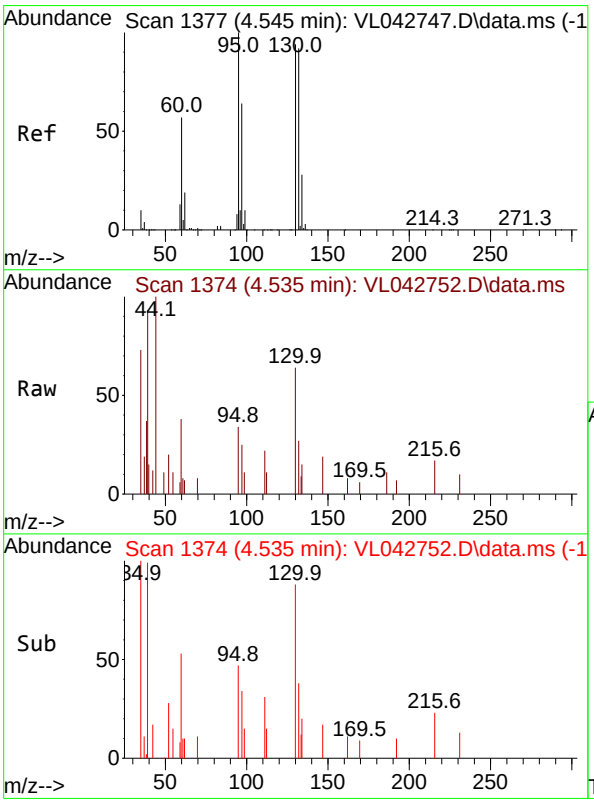
#37
1,2-Dichloroethane
Concen: 0.037 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 902

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

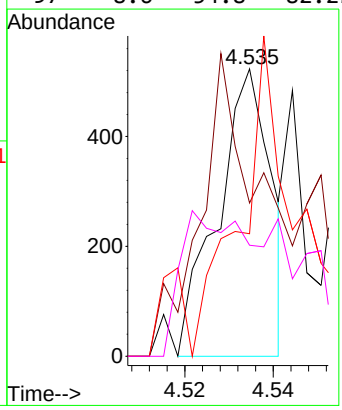


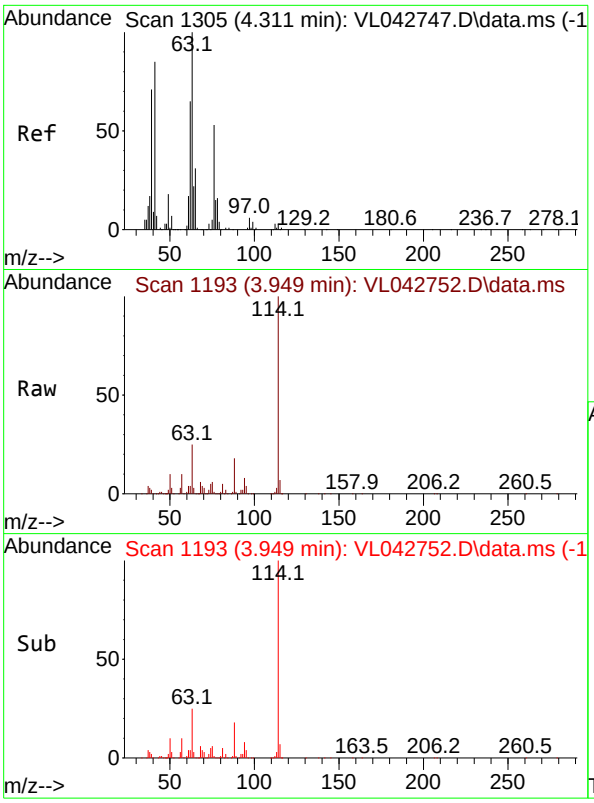


#38
Trichloroethene
Concen: 0.022 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:130 Resp: 438

Ion	Ratio	Lower	Upper
130	100		
95	38.0	85.4	128.2#
132	11.9	78.2	117.2#
97	8.6	54.8	82.2#



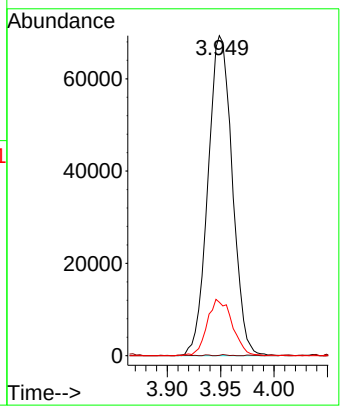


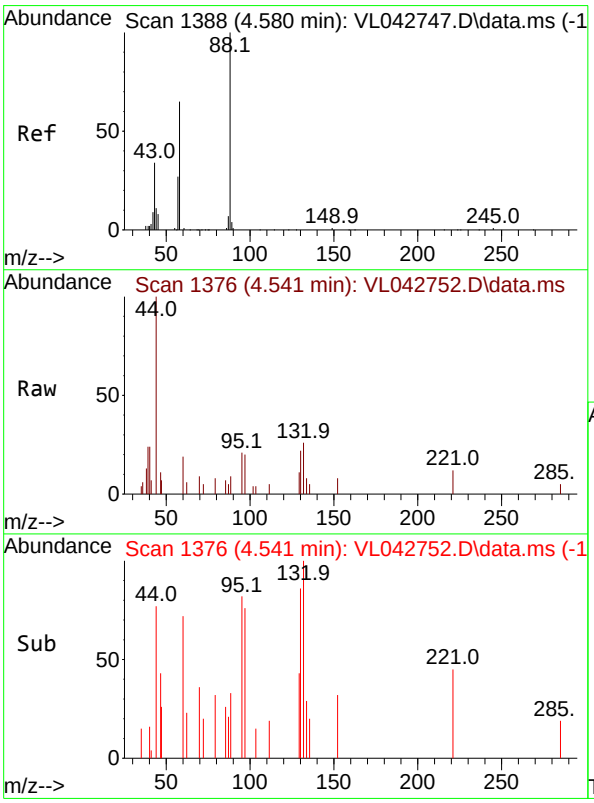
#39
1,2-Dichloropropane
Concen: 7.257 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.363 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 109883

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	16.7	52.0	78.0#

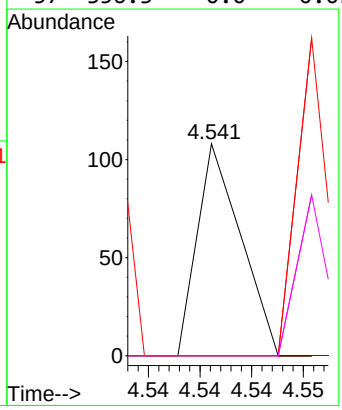


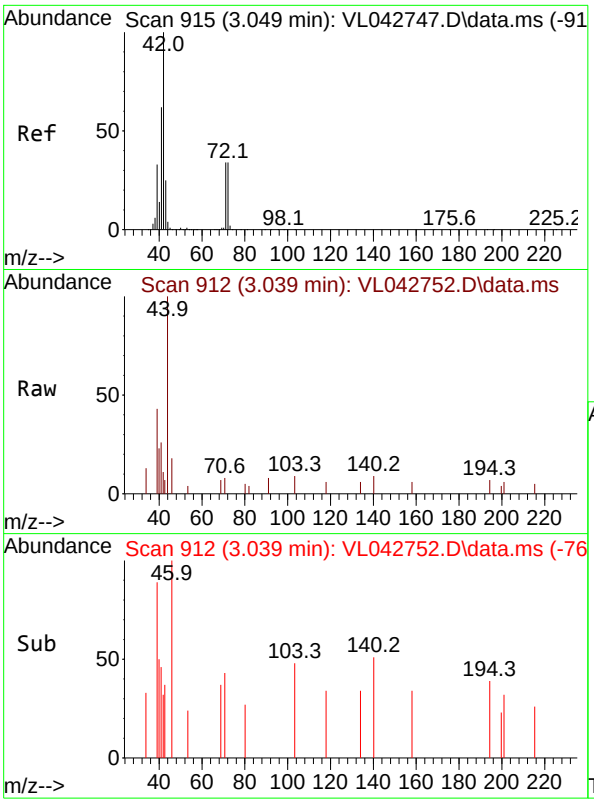


#40
1,4-Dioxane
Concen: 0.004 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.039 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 88 Resp: 32

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	456.3	28.9	43.3#
57	356.3	0.0	0.0#



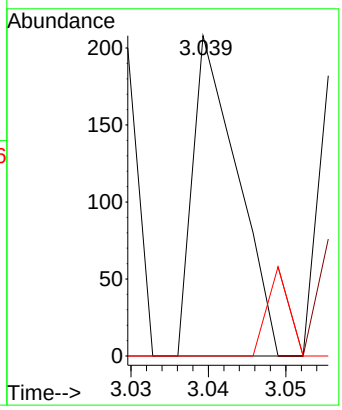


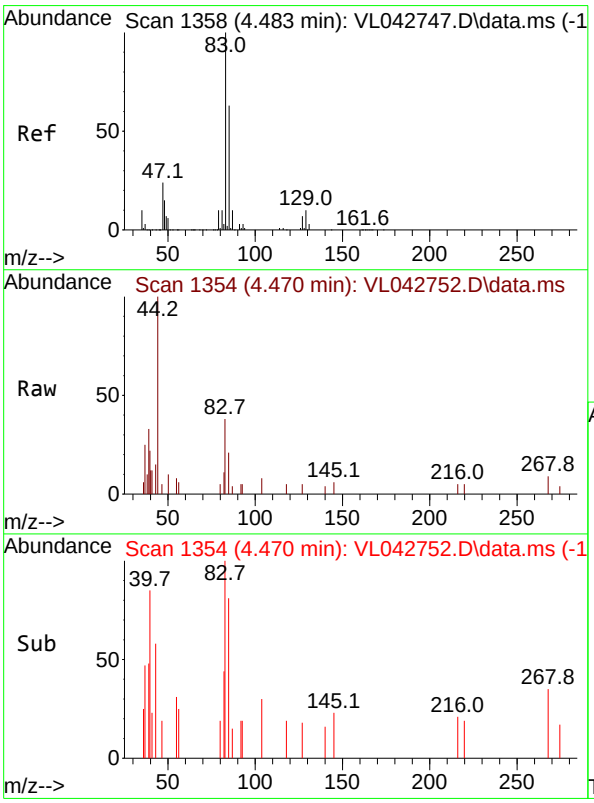
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.039 min Scan# 91
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 84

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.6	43.0#

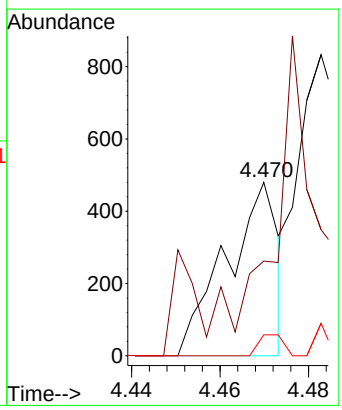


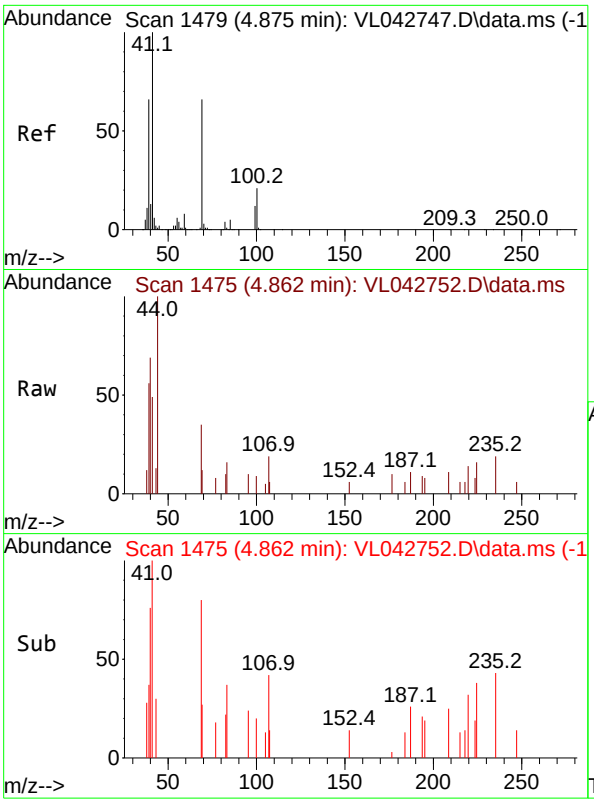


#42
Bromodichloromethane
Concen: 0.012 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 83 Resp: 390

Ion	Ratio	Lower	Upper
83	100		
85	0.8	50.2	75.4#
127	12.1	5.4	8.2#



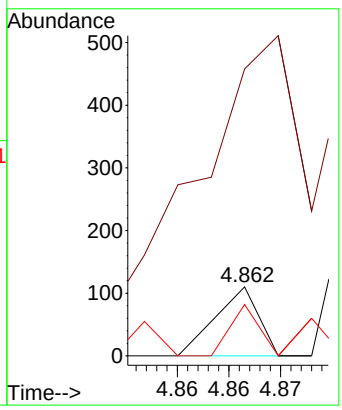


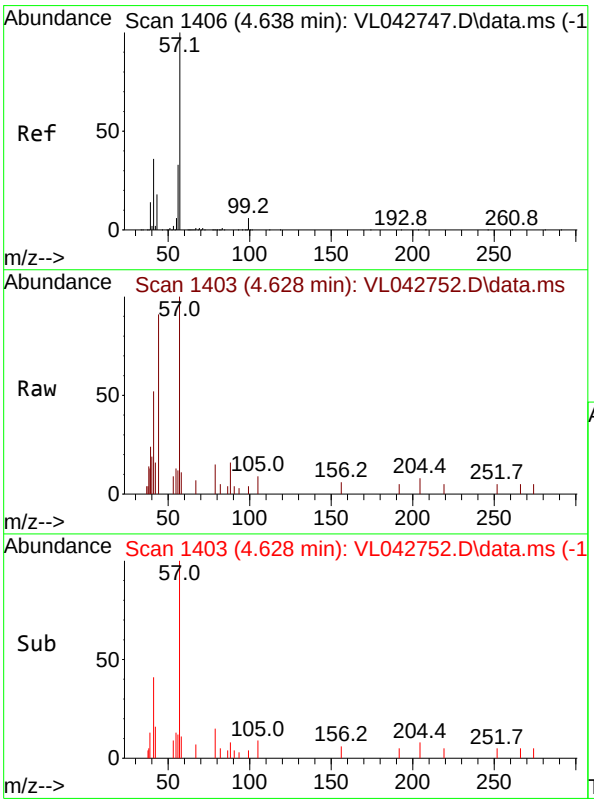
#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.862 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 69 Resp: 32

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

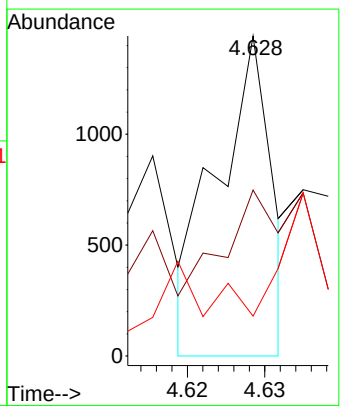


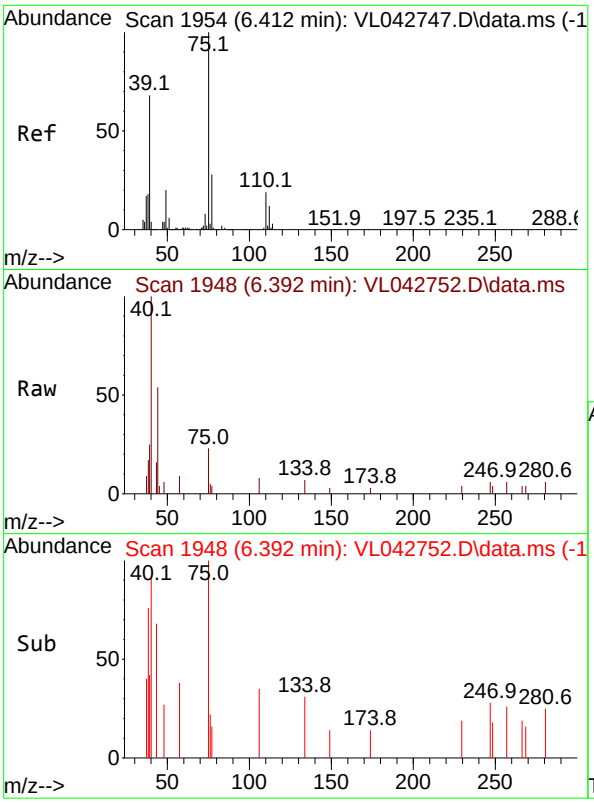


#44
2,2,4-Trimethylpentane
Concen: 0.011 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 57 Resp: 714

Ion	Ratio	Lower	Upper
57	100		
41	271.0	28.3	42.5#
56	132.9	25.8	38.6#



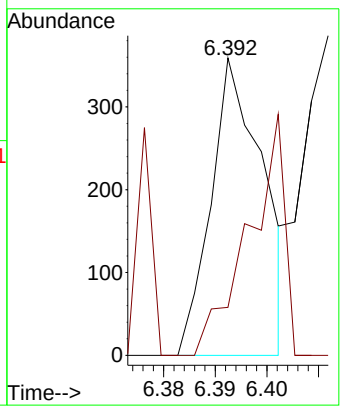


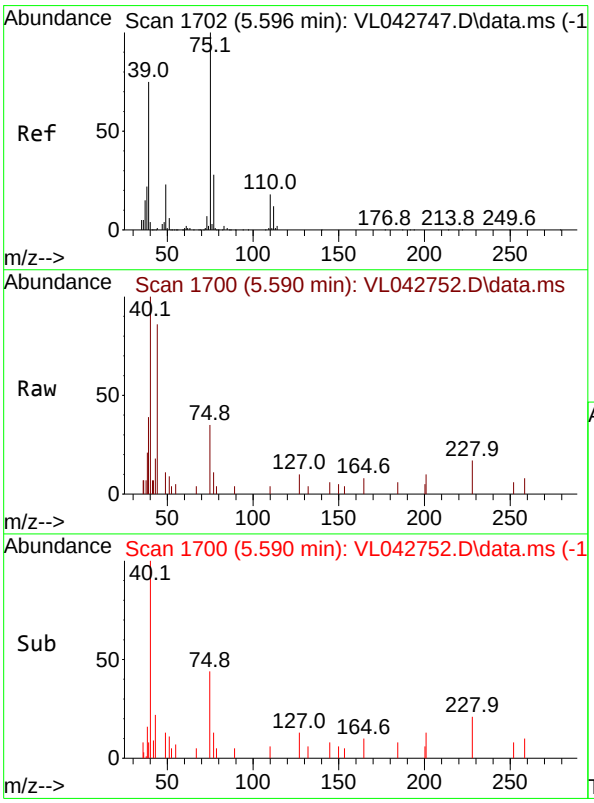
#45
t-1,3-Dichloropropene
Concen: 0.015 ppbv
RT: 6.392 min Scan# 1
Delta R.T. -0.020 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 252

Ion	Ratio	Lower	Upper
75	100		
77	16.2	22.4	33.6#

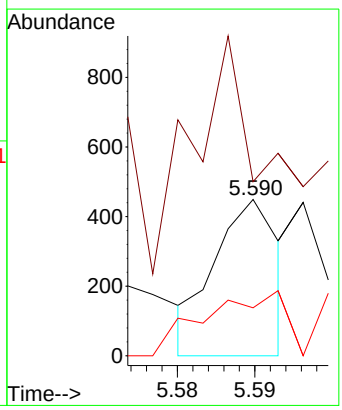


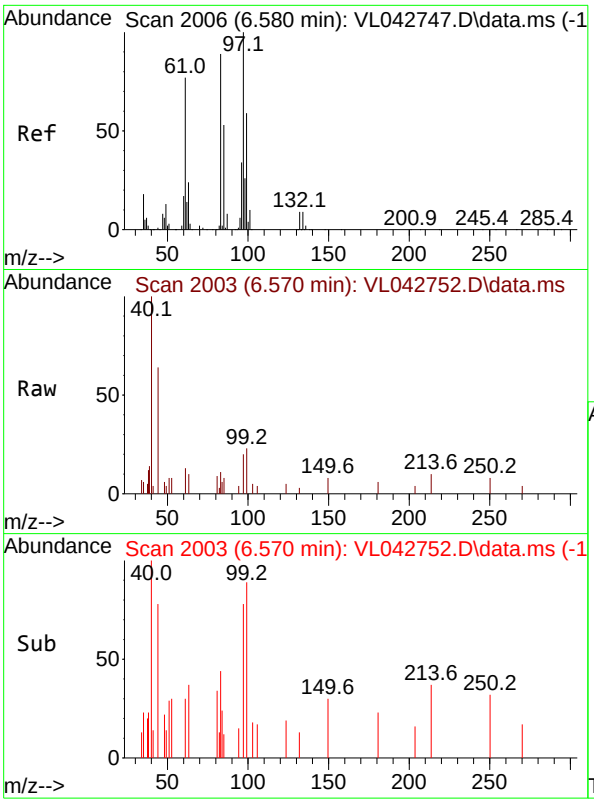


#46
cis-1,3-Dichloropropene
Concen: 0.012 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 75 Resp: 259

Ion	Ratio	Lower	Upper
75	100		
39	0.0	60.2	90.2#
77	9.9	22.6	34.0#



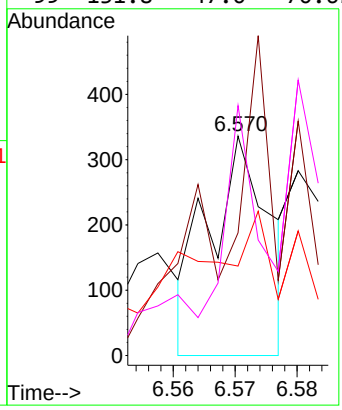


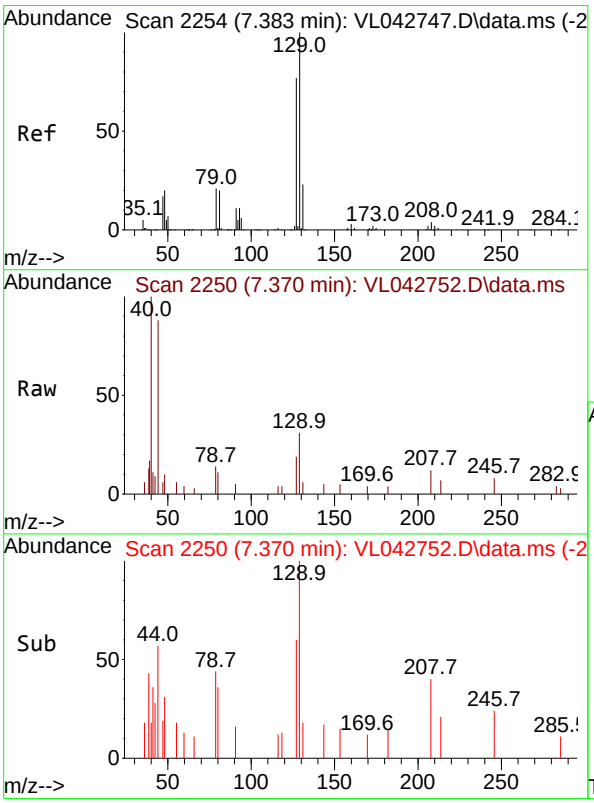
#47
1,1,2-Trichloroethane
Concen: 0.014 ppbv
RT: 6.570 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 226

Ion	Ratio	Lower	Upper
97	100		
83	33.2	71.1	106.7#
85	23.2	43.0	64.4#
99	131.8	47.0	70.6#

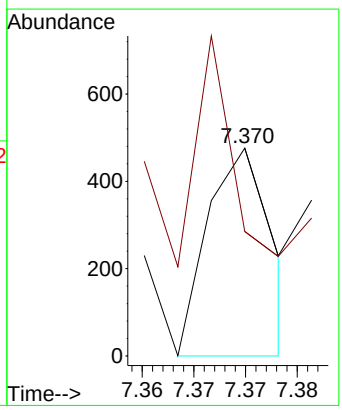


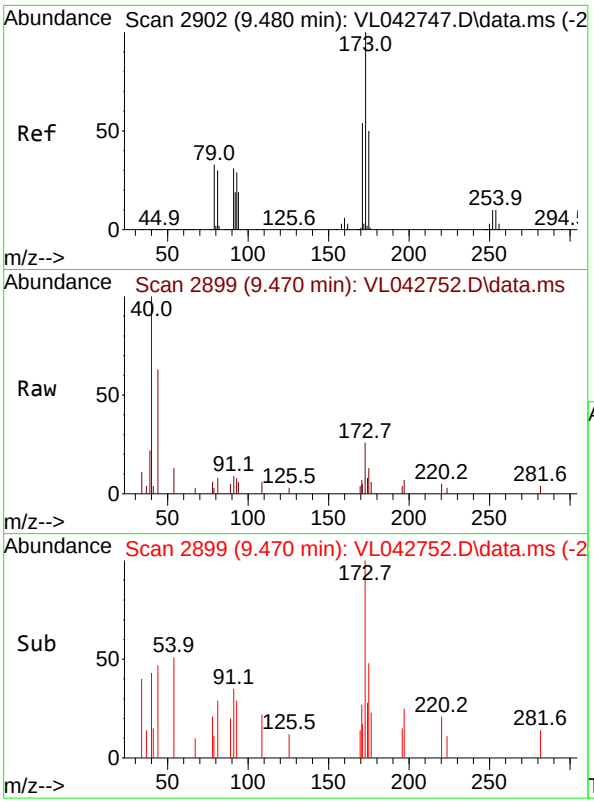


#48
Dibromochloromethane
Concen: 0.008 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:129 Resp: 206

Ion	Ratio	Lower	Upper
129	100		
127	397.1	38.7	116.1#



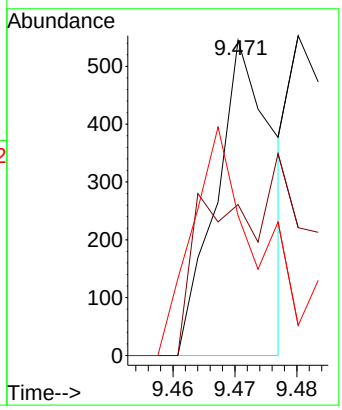


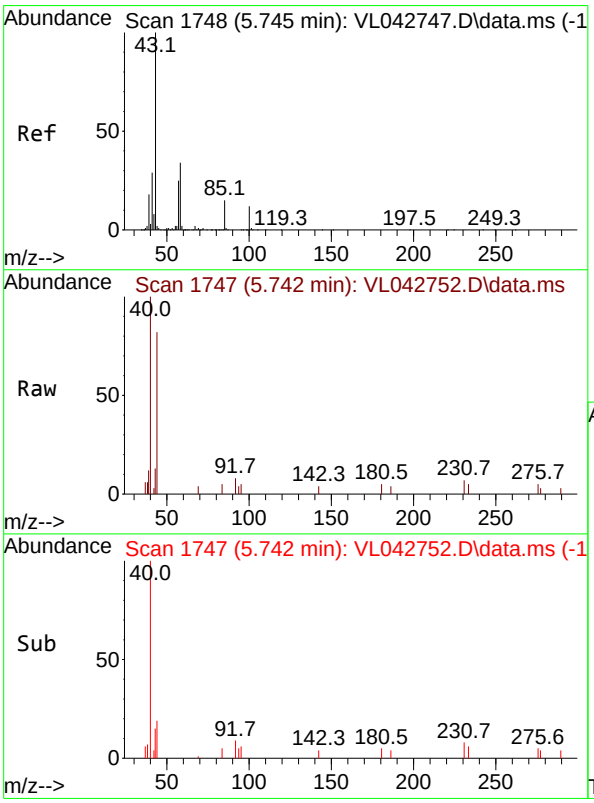
#49
Bromoform
Concen: 0.015 ppbv
RT: 9.470 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 346

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.4	57.6#
171	97.1	40.9	61.3#

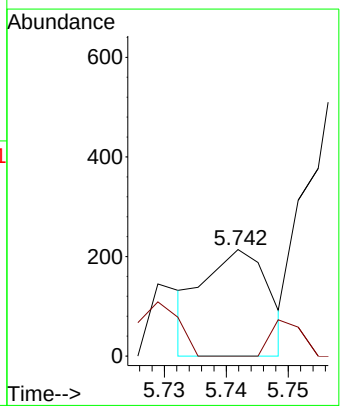


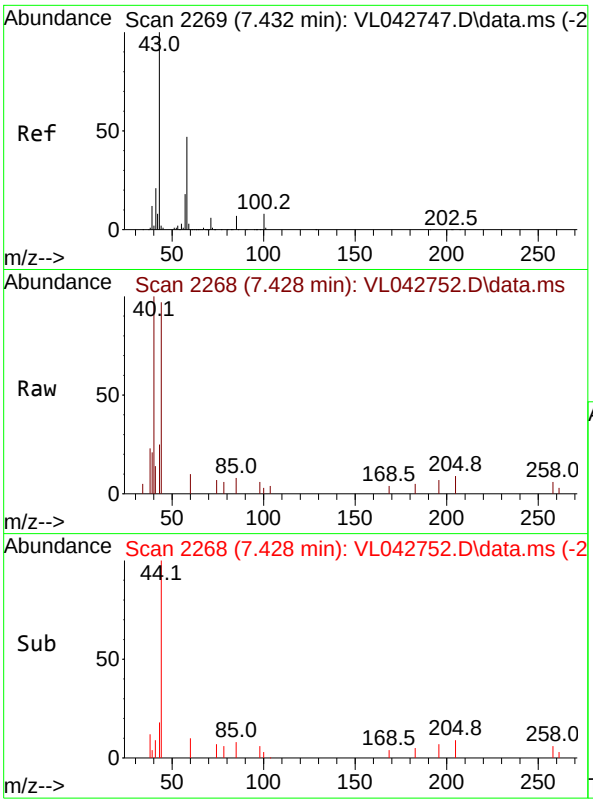


#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 157

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



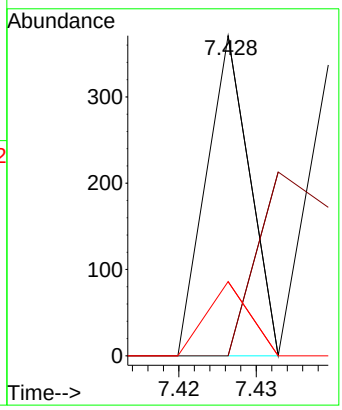


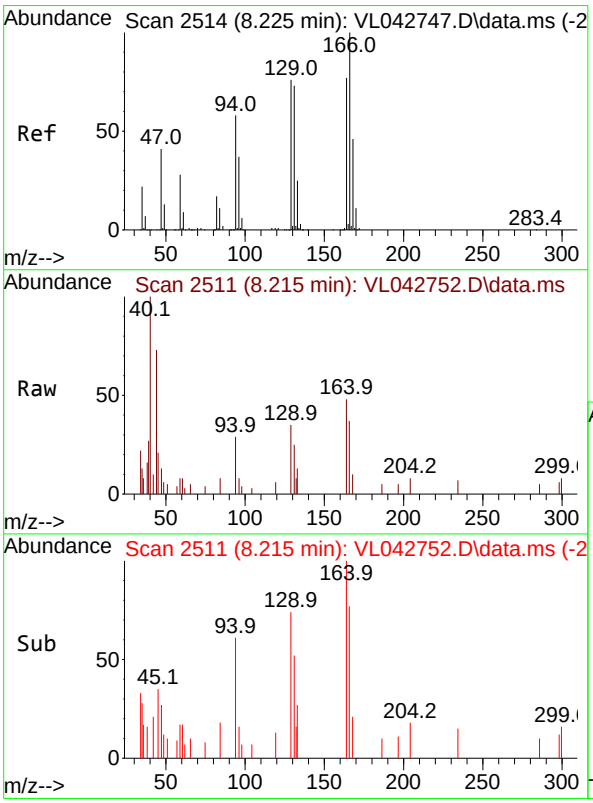
#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 72

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

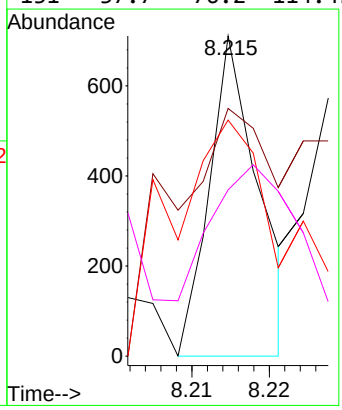


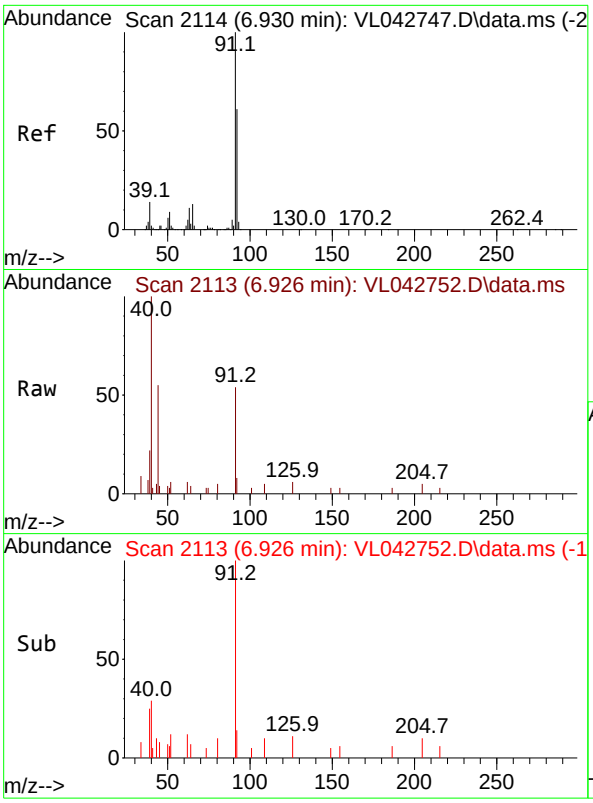


#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:164 Resp: 317

Ion	Ratio	Lower	Upper
164	100		
166	34.6	104.0	156.0#
129	50.2	79.2	118.8#
131	37.7	76.2	114.4#



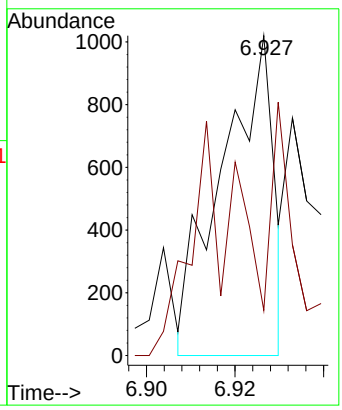


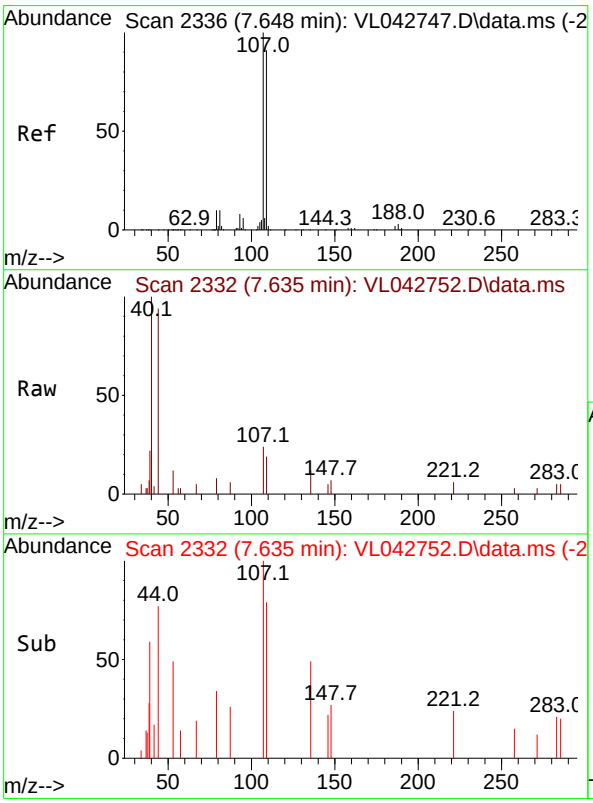
#53
Toluene
Concen: 0.019 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 832

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.0	72.0#

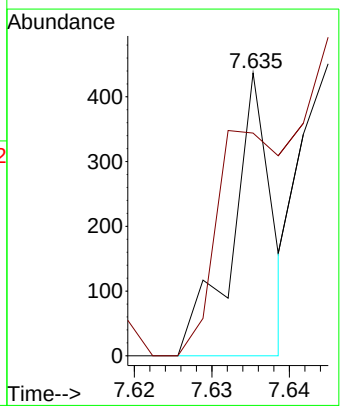


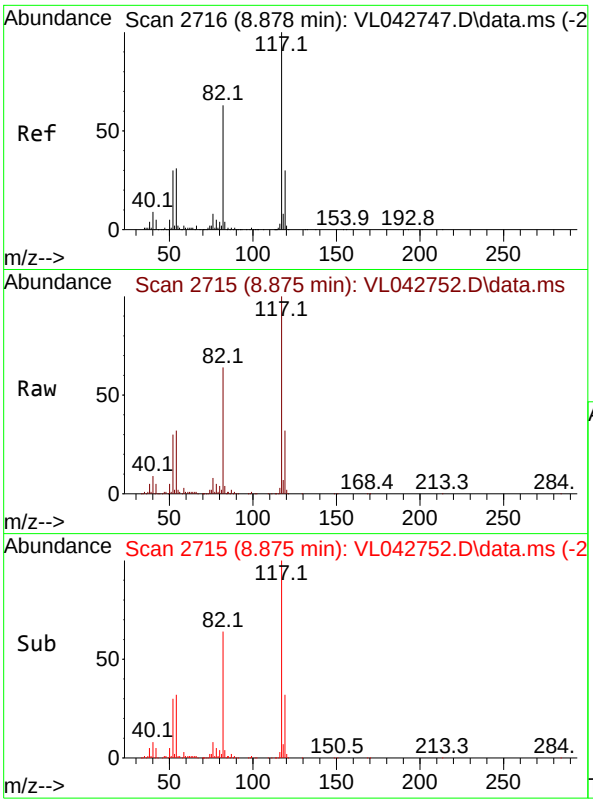


#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.635 min Scan# 2332
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:107 Resp: 155

Ion	Ratio	Lower	Upper
107	100		
109	78.7	72.7	109.1



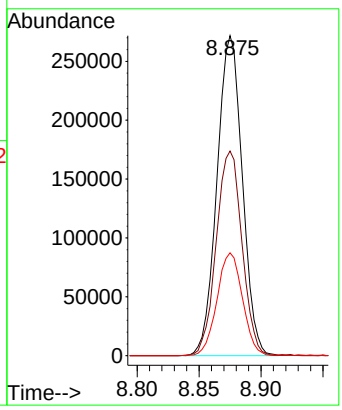


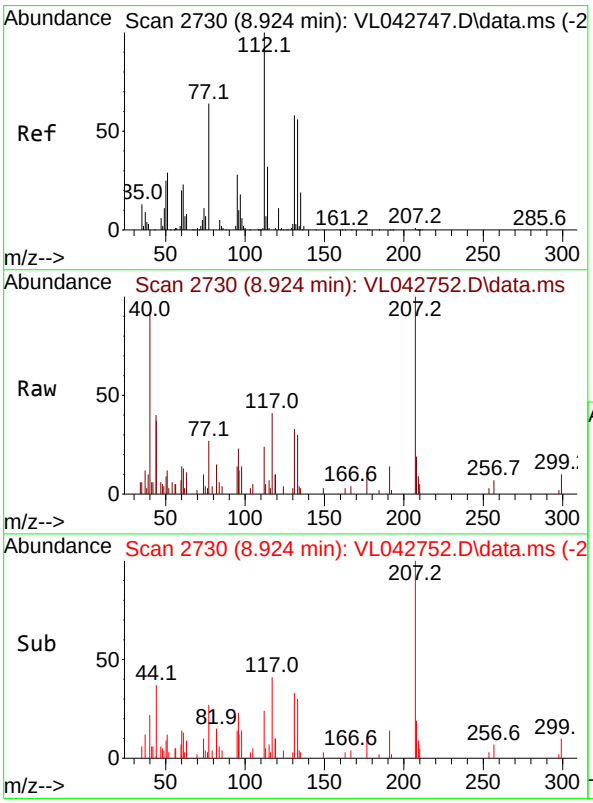
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 387541

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.3	79.9
119	32.6	25.8	38.6

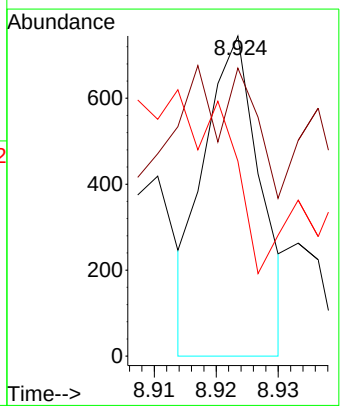


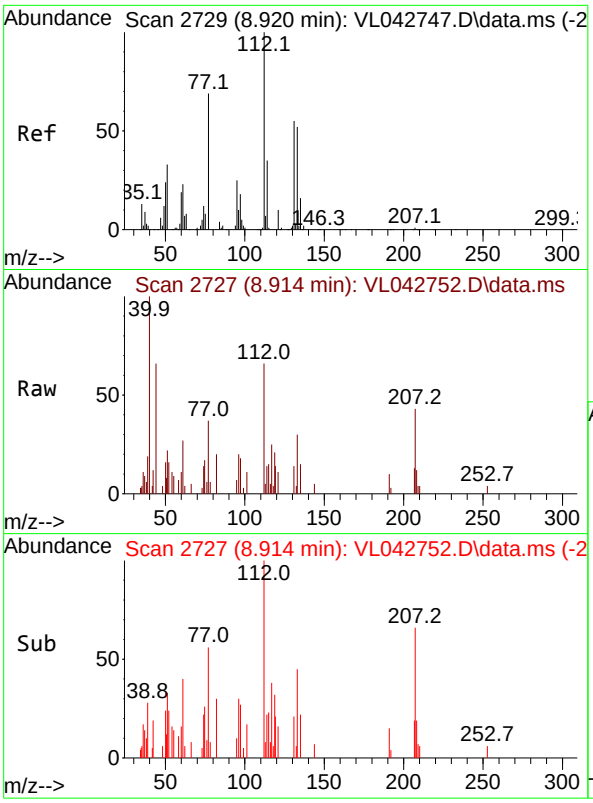


#56
1,1,1,2-Tetrachloroethane
Concen: 0.023 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:131 Resp: 471

Ion	Ratio	Lower	Upper
131	100		
133	307.0	76.8	115.2#
119	0.0	49.7	74.5#



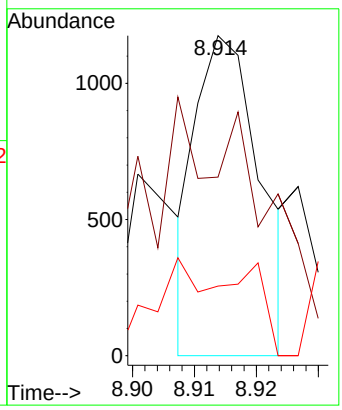


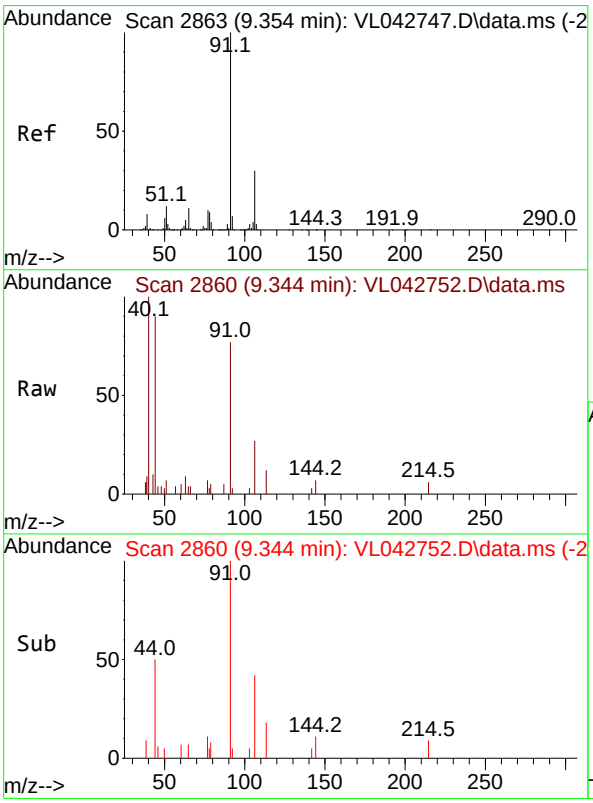
#57
Chlorobenzene
Concen: 0.023 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 852

Ion	Ratio	Lower	Upper
112	100		
77	9.3	56.4	84.6#
114	38.4	31.2	38.2#

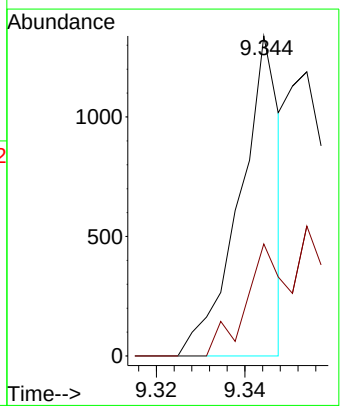


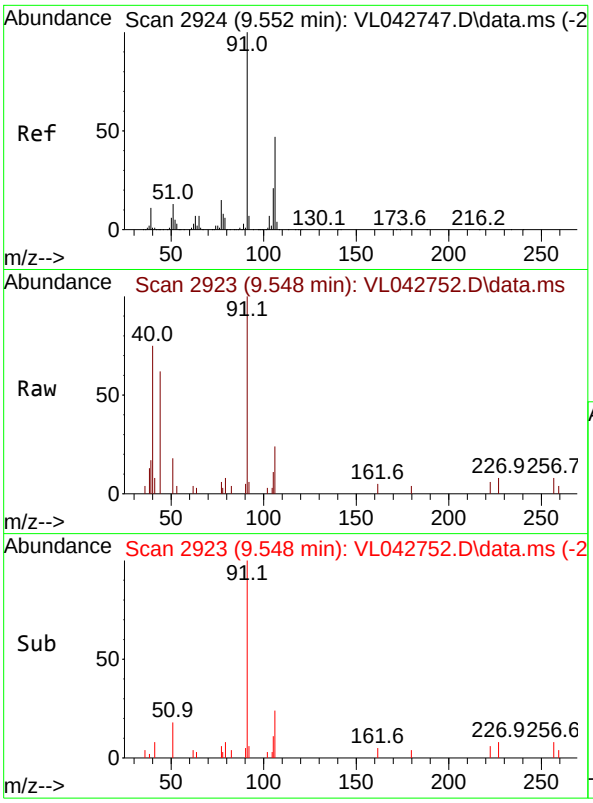


#58
Ethyl Benzene
Concen: 0.014 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 837

Ion	Ratio	Lower	Upper
91	100		
106	35.0	23.8	35.6



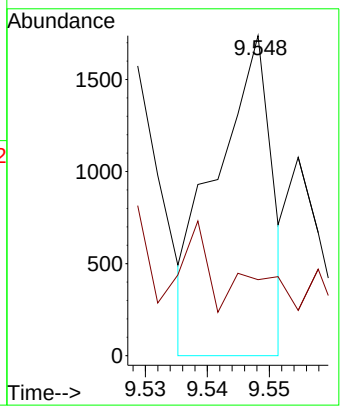


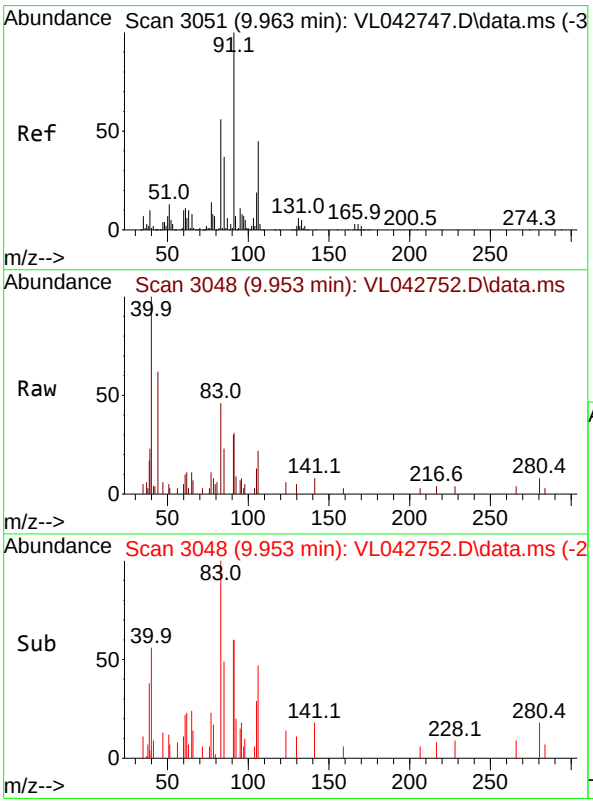
#59
m/p-Xylene
Concen: 0.022 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1097

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

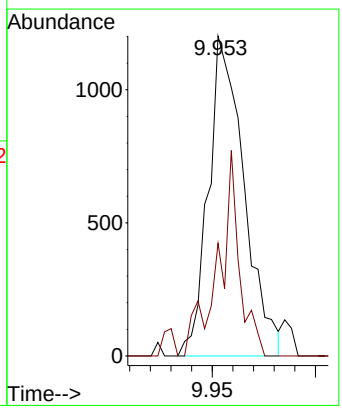


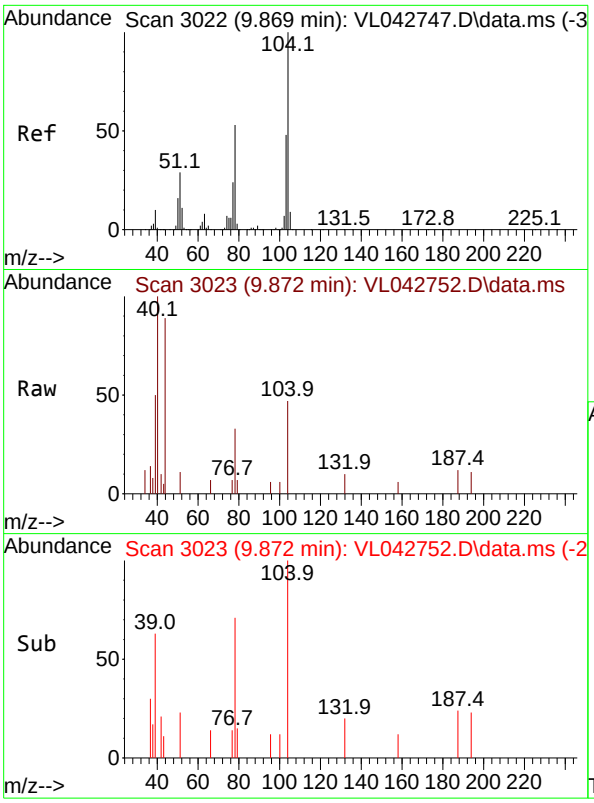


#60
o-Xylene
Concen: 0.029 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 1440

Ion	Ratio	Lower	Upper
91	100		
106	41.0	22.0	66.0



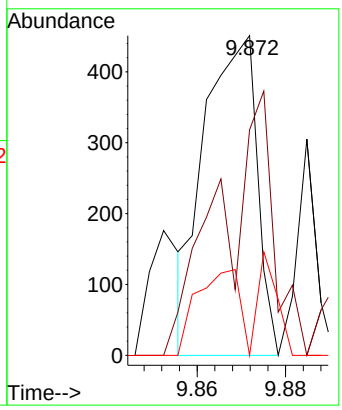


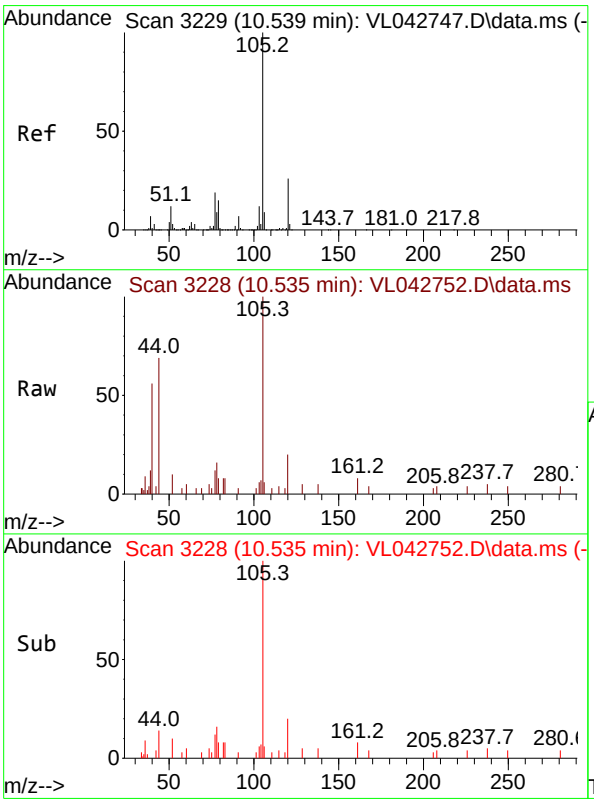
#61
Styrene
Concen: 0.018 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 373

Ion	Ratio	Lower	Upper
104	100		
78	95.4	41.5	62.3#
103	33.5	37.5	56.3#

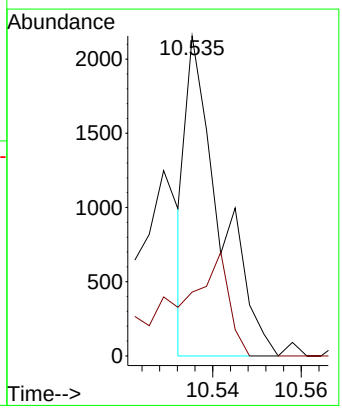


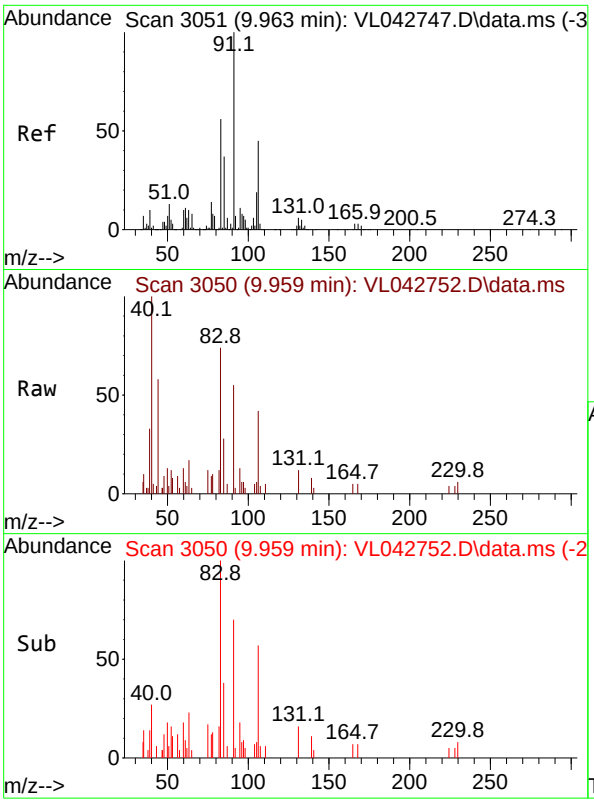


#62
Isopropylbenzene
Concen: 0.016 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1137

Ion	Ratio	Lower	Upper
105	100		
120	52.0	20.5	30.7#



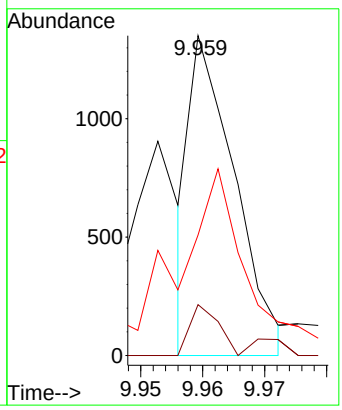


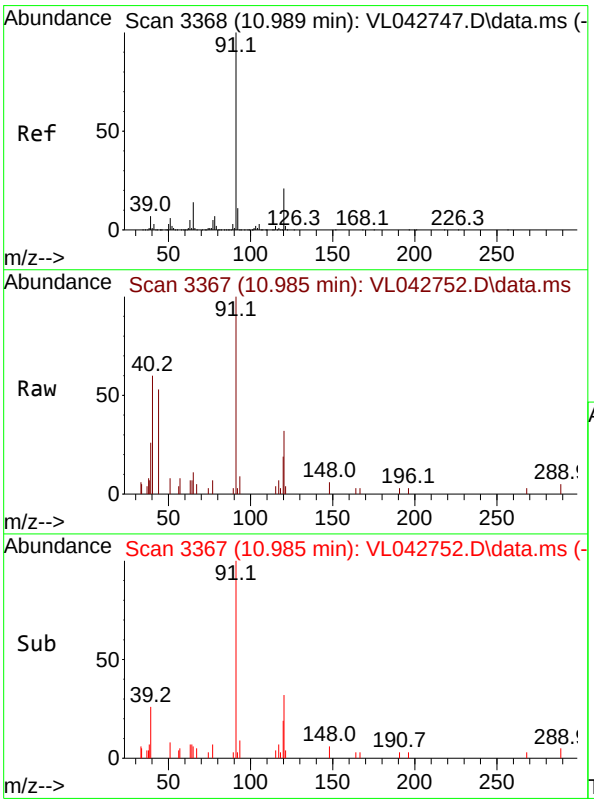
#63
1,1,2,2-Tetrachloroethane
Concen: 0.022 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 685

Ion	Ratio	Lower	Upper
83	100		
131	14.2	5.0	15.0
85	102.5	32.6	97.7#

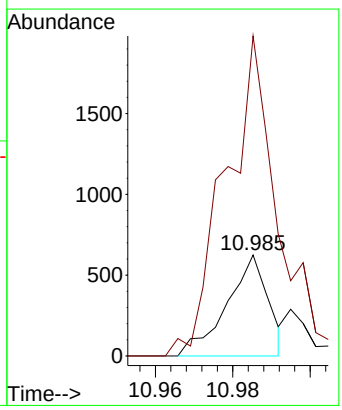


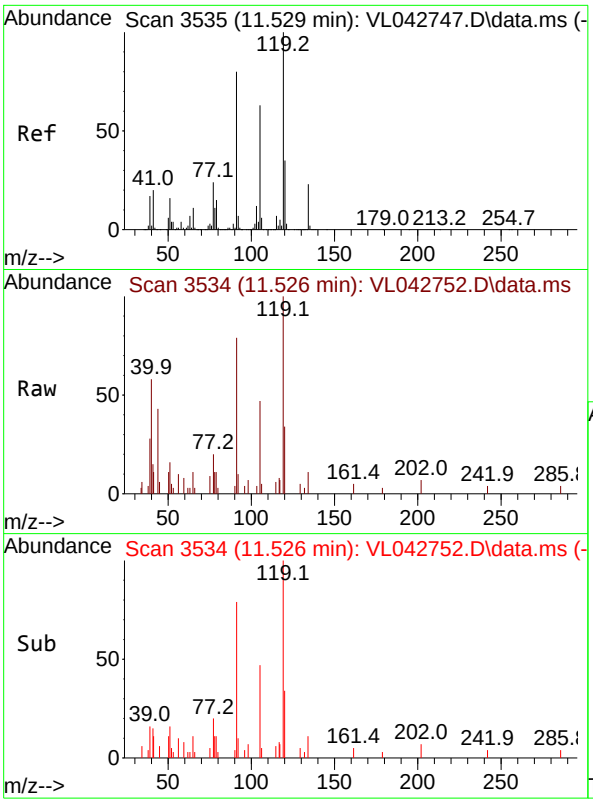


#64
n-propylbenzene
Concen: 0.025 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:120 Resp: 465

Ion	Ratio	Lower	Upper
120	100		
91	408.8	372.7	559.1



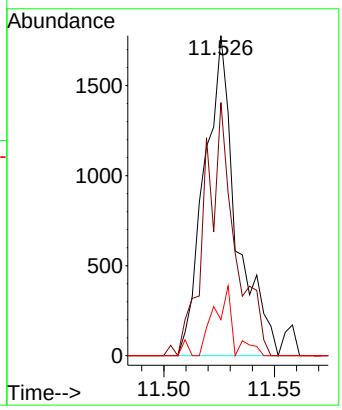


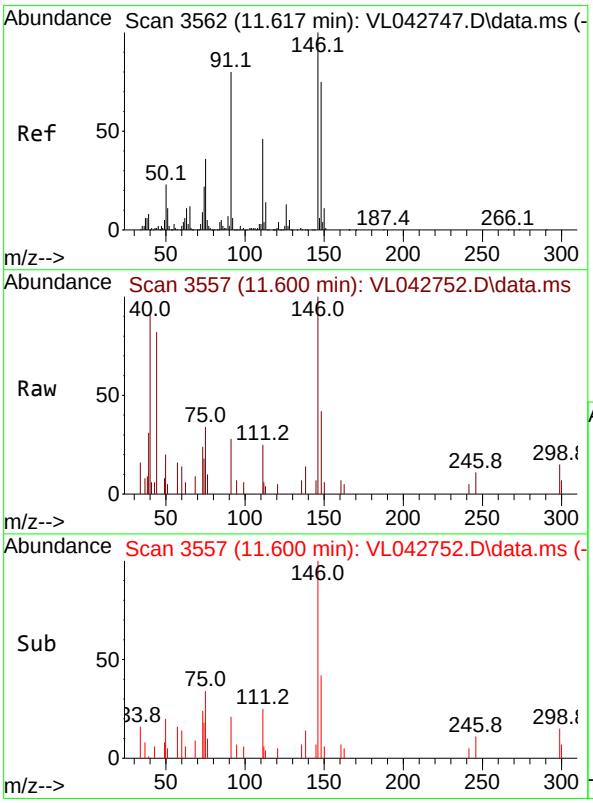
#65
tert-Butylbenzene
Concen: 0.028 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1786

Ion	Ratio	Lower	Upper
119	100		
91	74.6	64.0	96.0
134	14.2	17.3	25.9#

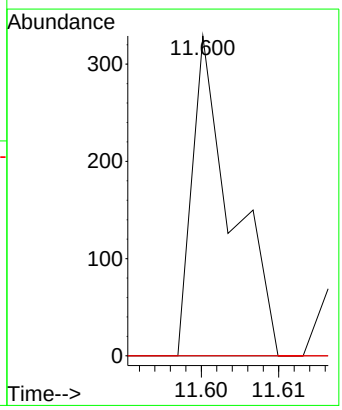


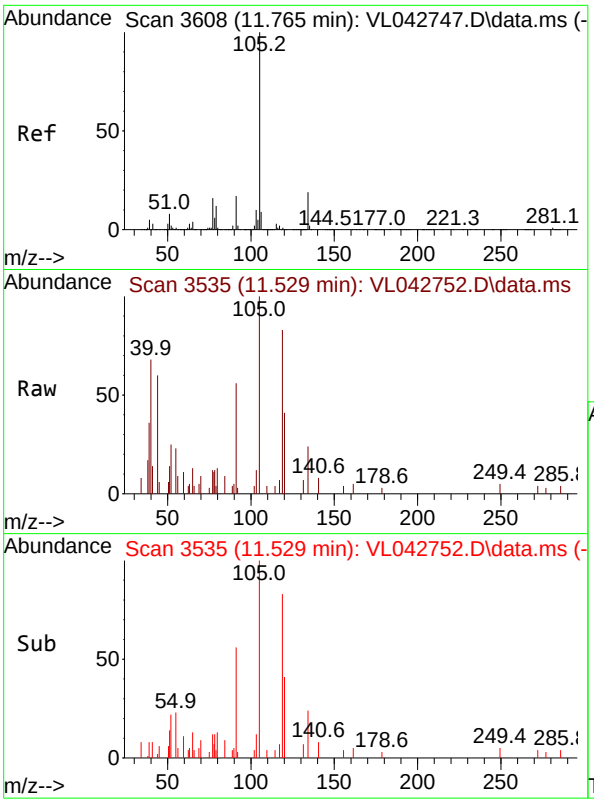


#66
Benzyl Chloride
Concen: 0.022 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.016 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 118

Ion	Ratio	Lower	Upper
91	100		
126	38.1	14.4	21.6#
128	0.0	5.2	7.8#



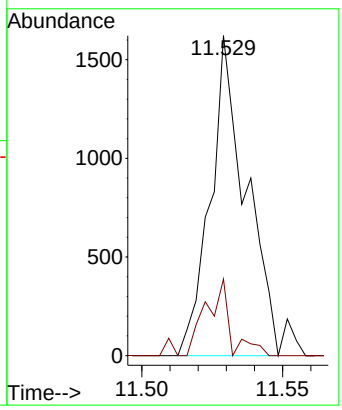


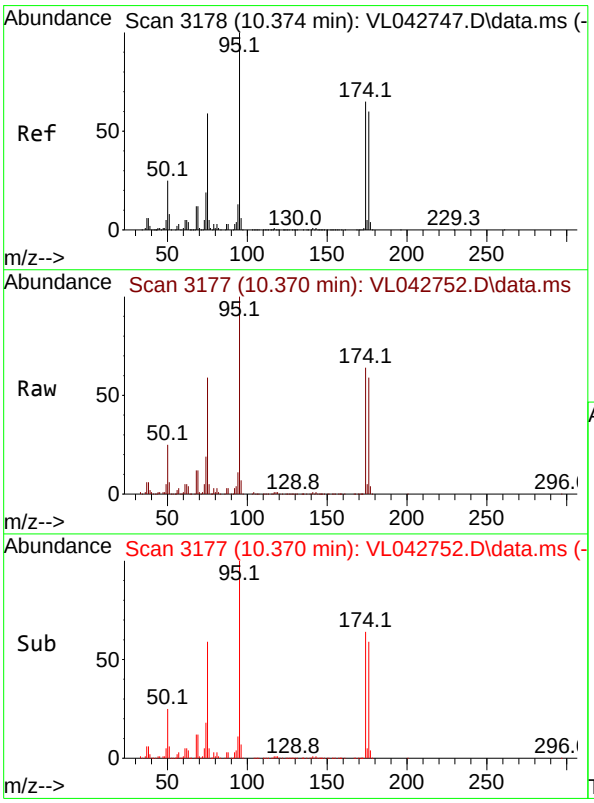
#67
sec-Butylbenzene
Concen: 0.016 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.236 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1421

Ion	Ratio	Lower	Upper
105	100		
134	17.8	15.5	23.3

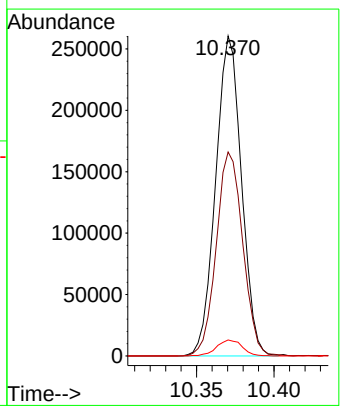


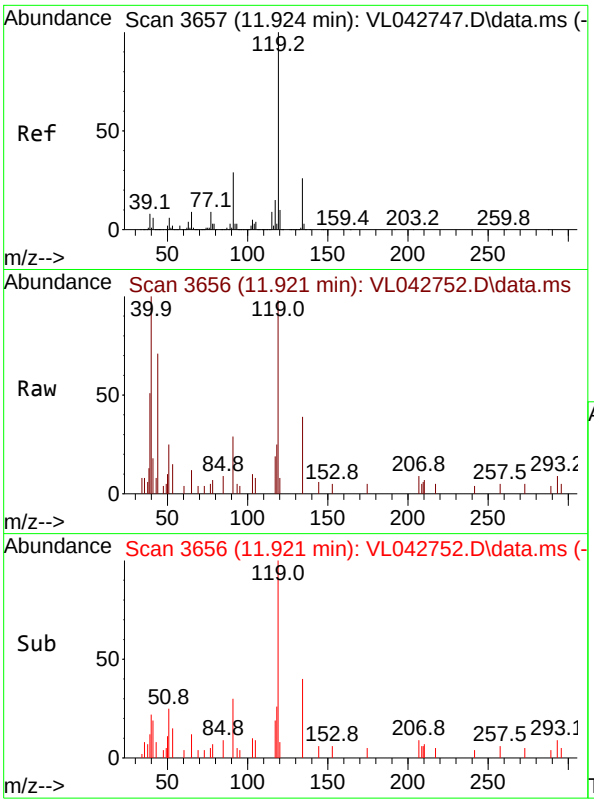


#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 95 Resp: 302164

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.8	80.6
175	5.0	4.0	6.0



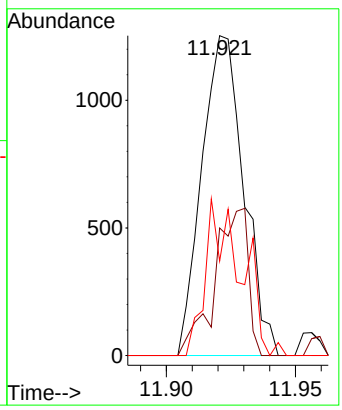


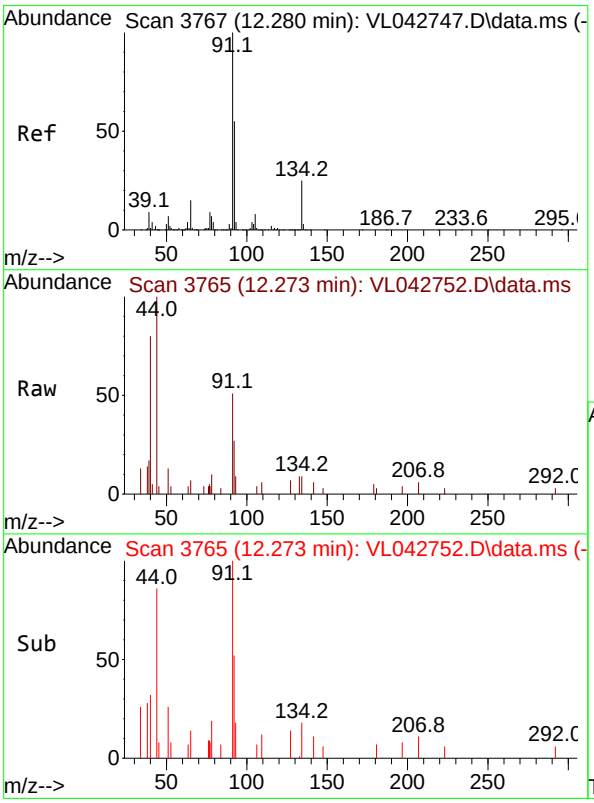
#69
p-Isopropyltoluene
Concen: 0.019 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1420

Ion	Ratio	Lower	Upper
119	100		
134	36.6	20.6	31.0#
91	41.5	23.2	34.8#

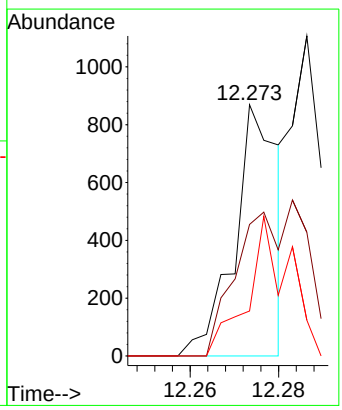


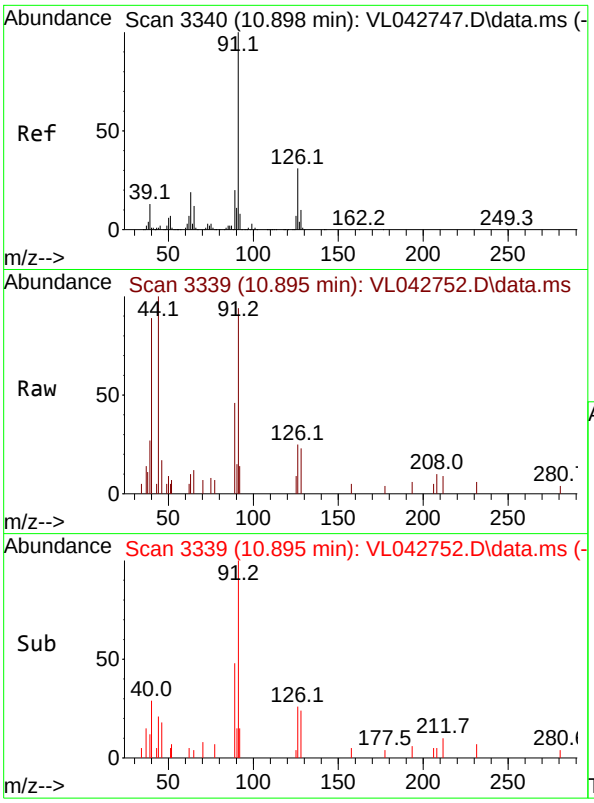


#70
n-Butylbenzene
Concen: 0.008 ppbv
RT: 12.273 min Scan# 3765
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 591

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.4	65.2#
134	62.9	19.6	29.4#



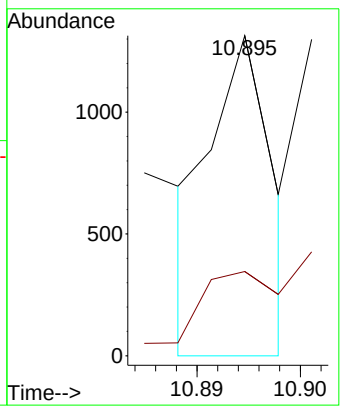


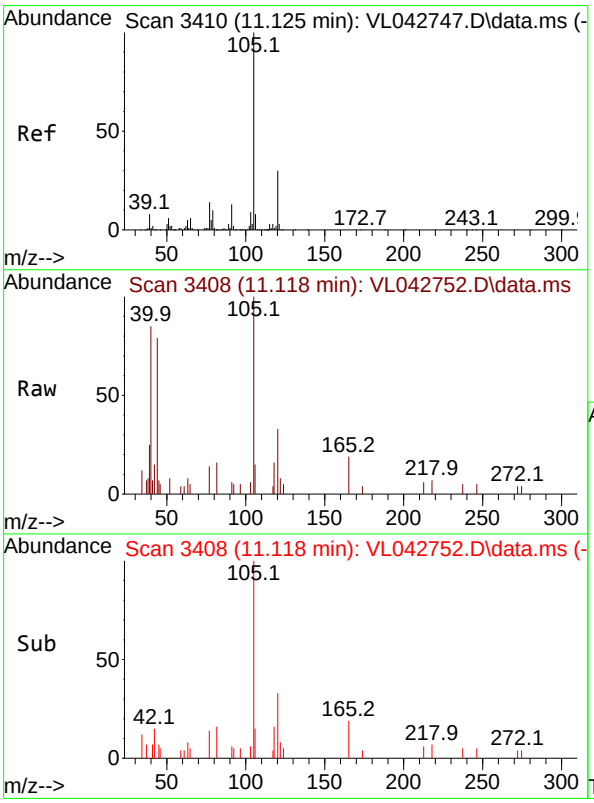
#71
2-Chlorotoluene
Concen: 0.010 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 547

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	48.2#

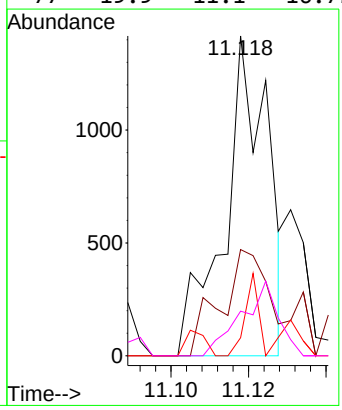


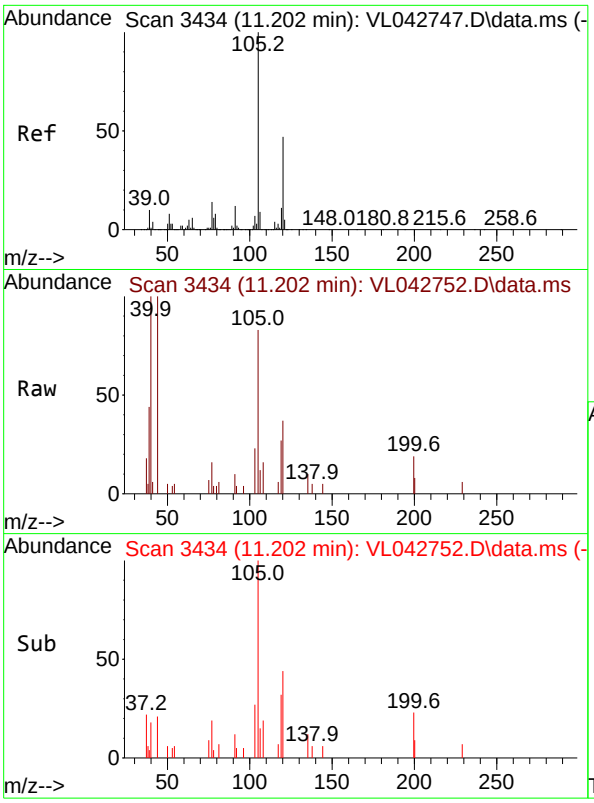


#72
4-Ethyltoluene
Concen: 0.019 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1098

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.4	36.6#
91	11.5	10.6	15.8
77	19.9	11.1	16.7#



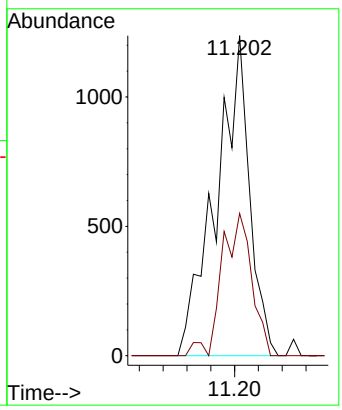


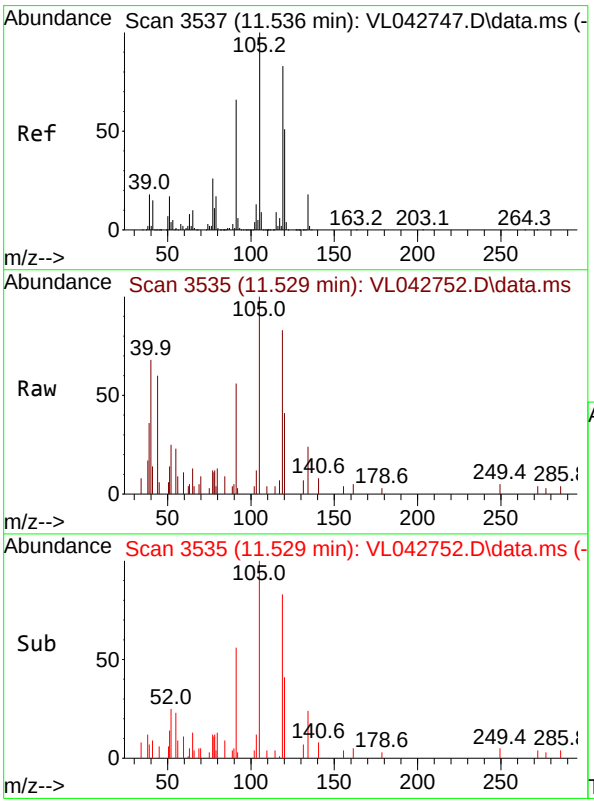
#73
1,3,5-Trimethylbenzene
Concen: 0.025 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1204

Ion	Ratio	Lower	Upper
105	100		
120	44.5	37.8	56.8

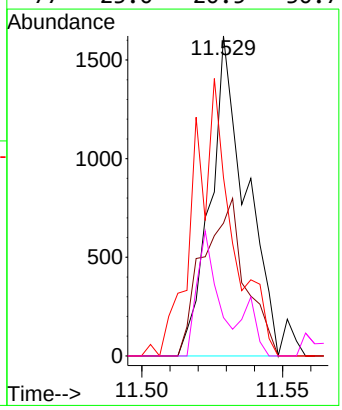


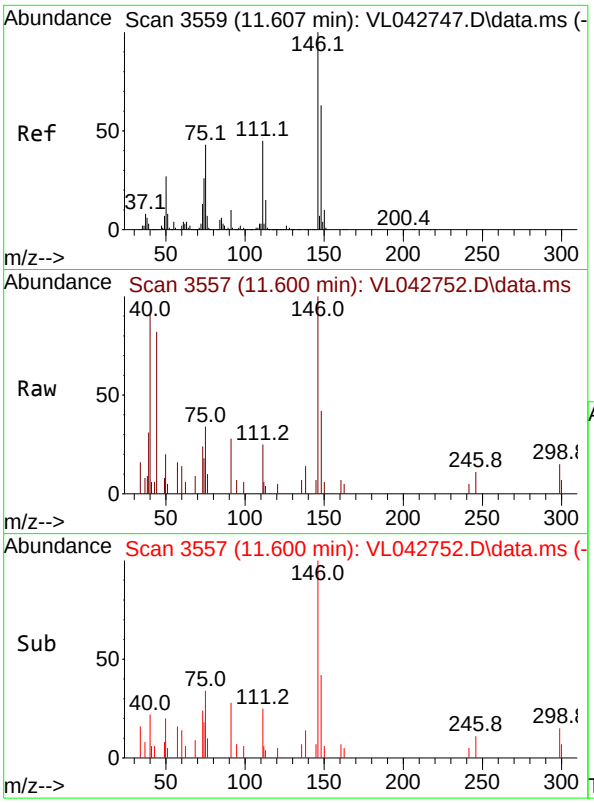


#74
1,2,4-Trimethylbenzene
Concen: 0.027 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1421

Ion	Ratio	Lower	Upper
105	100		
120	41.5	40.8	61.2
91	55.8	53.0	79.4
77	23.0	20.5	30.7



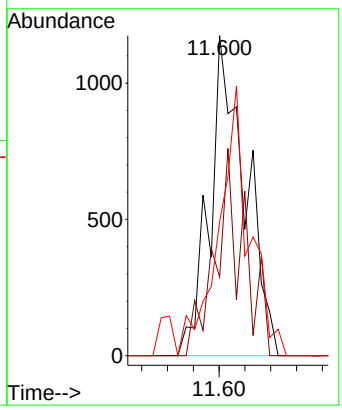


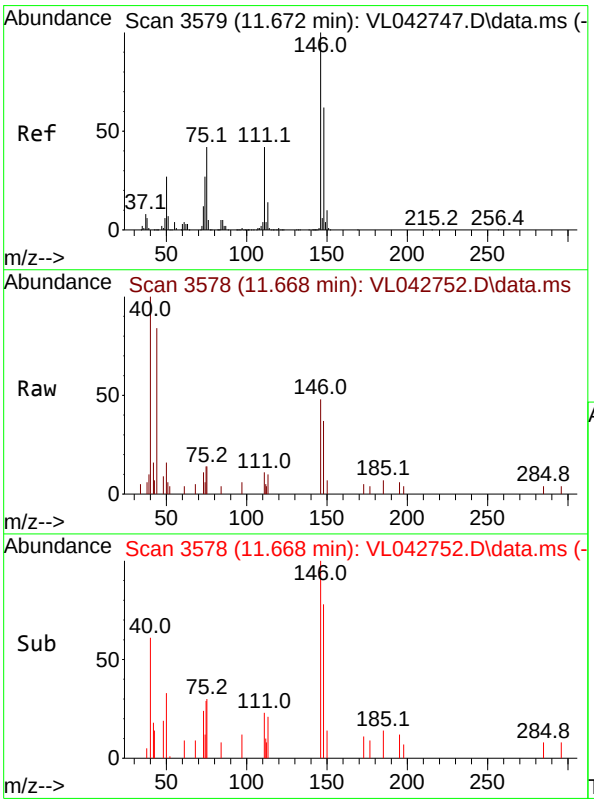
#75
1,3-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1122

Ion	Ratio	Lower	Upper
146	100		
111	51.6	22.7	68.0
148	77.2	31.9	95.5

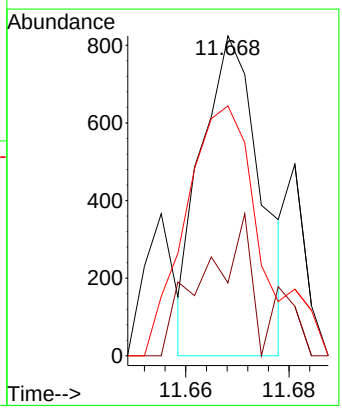


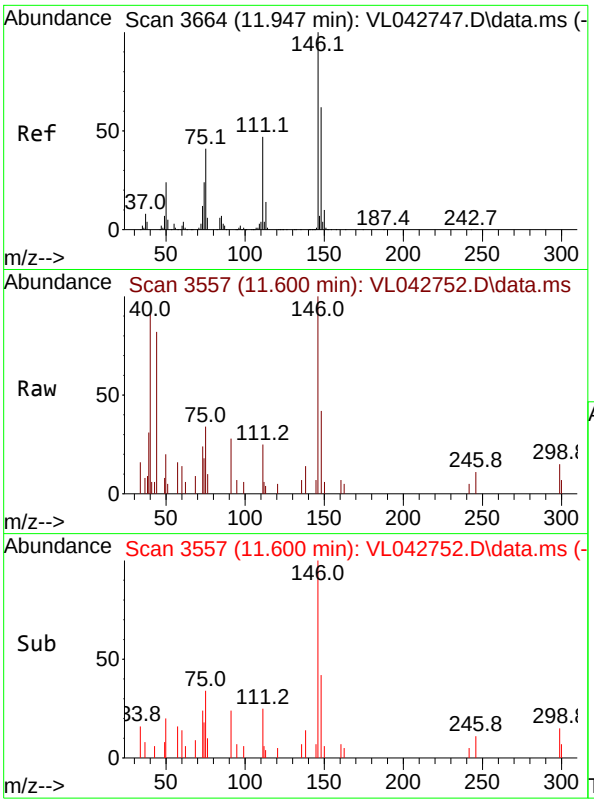


#76
1,4-Dichlorobenzene
Concen: 0.018 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:146 Resp: 658

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	99.2	32.1	96.3#



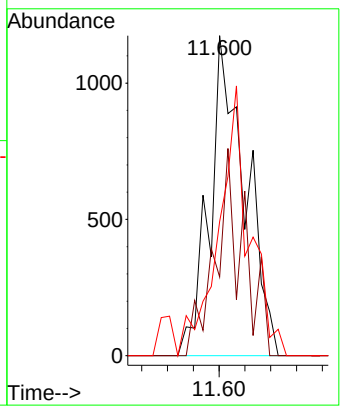


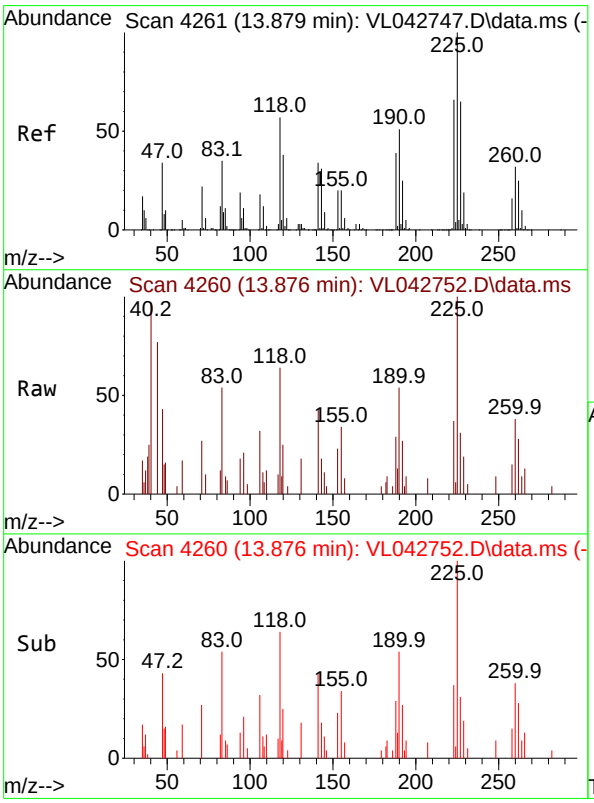
#77
1,2-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.347 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1122

Ion	Ratio	Lower	Upper
146	100		
111	51.6	23.7	71.1
148	77.2	32.6	97.7

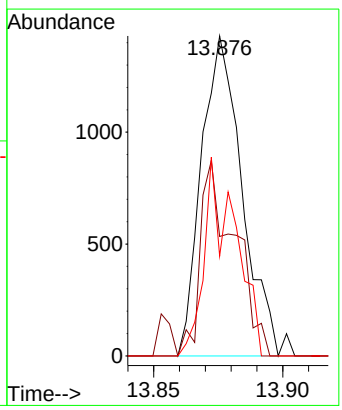


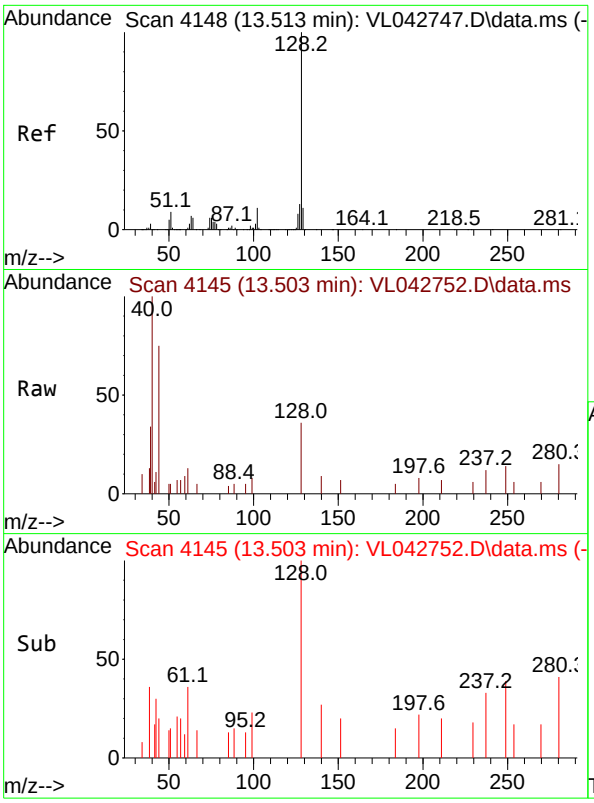


#78
Hexachloro-1,3-Butadiene
Concen: 0.048 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:225 Resp: 1559

Ion	Ratio	Lower	Upper
225	100		
223	56.2	50.7	76.1
227	47.8	50.5	75.7#



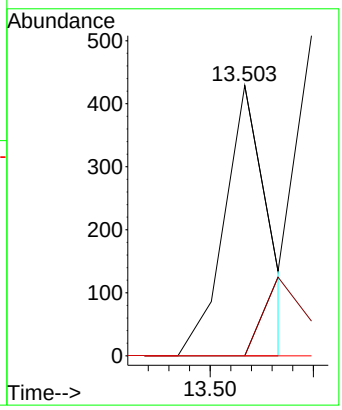


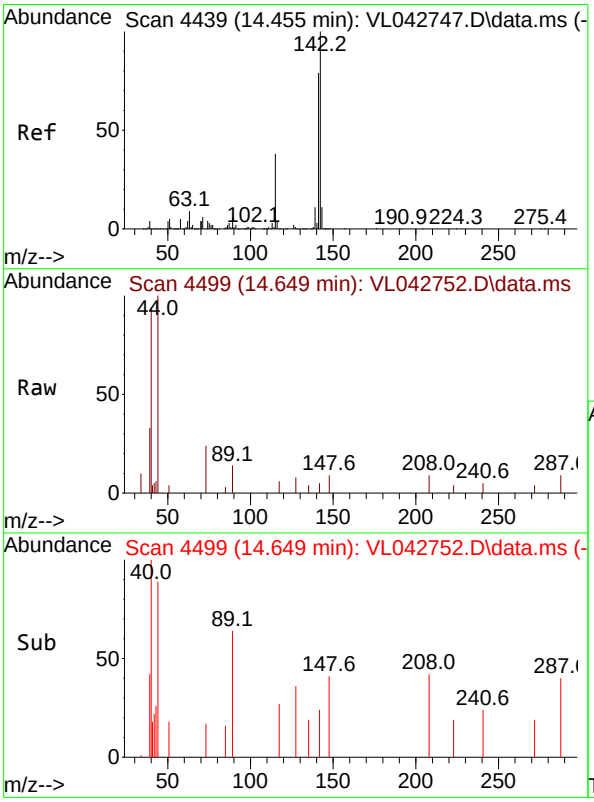
#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.503 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 126

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#

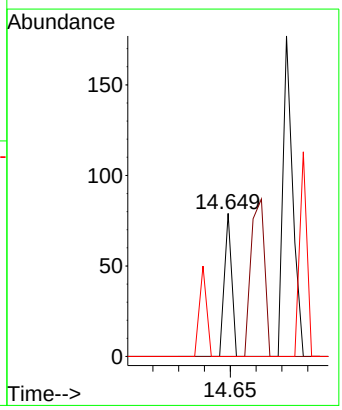


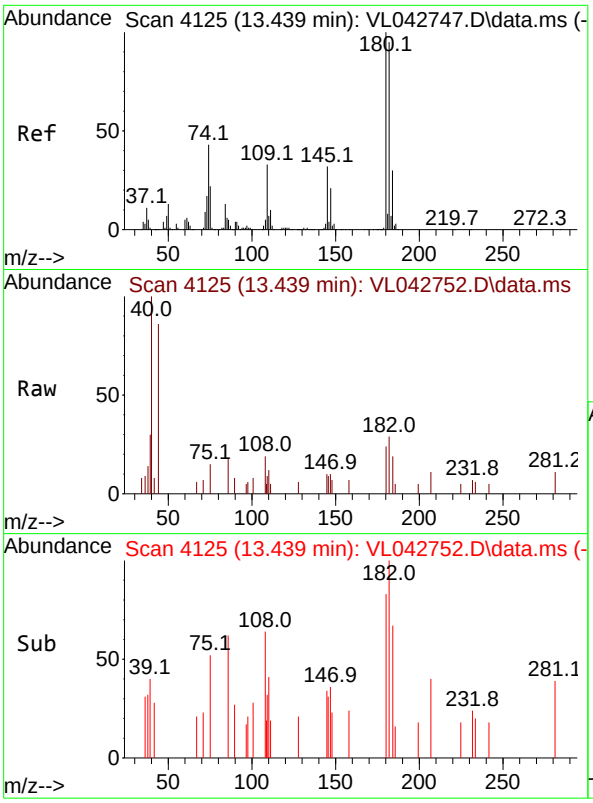


#80
Naphthalene,2-methyl-
Concen: 1.127 ppbv
RT: 14.649 min Scan# 4499
Delta R.T. 0.194 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:142 Resp: 15

Ion	Ratio	Lower	Upper
142	100		
141	0.0	65.8	98.8#
115	66.7	31.2	46.8#



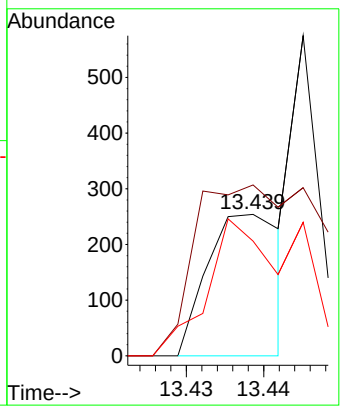


#81
1,2,4-Trichlorobenzene
Concen: 0.438 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 170

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	116.5	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	315293	10.335	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

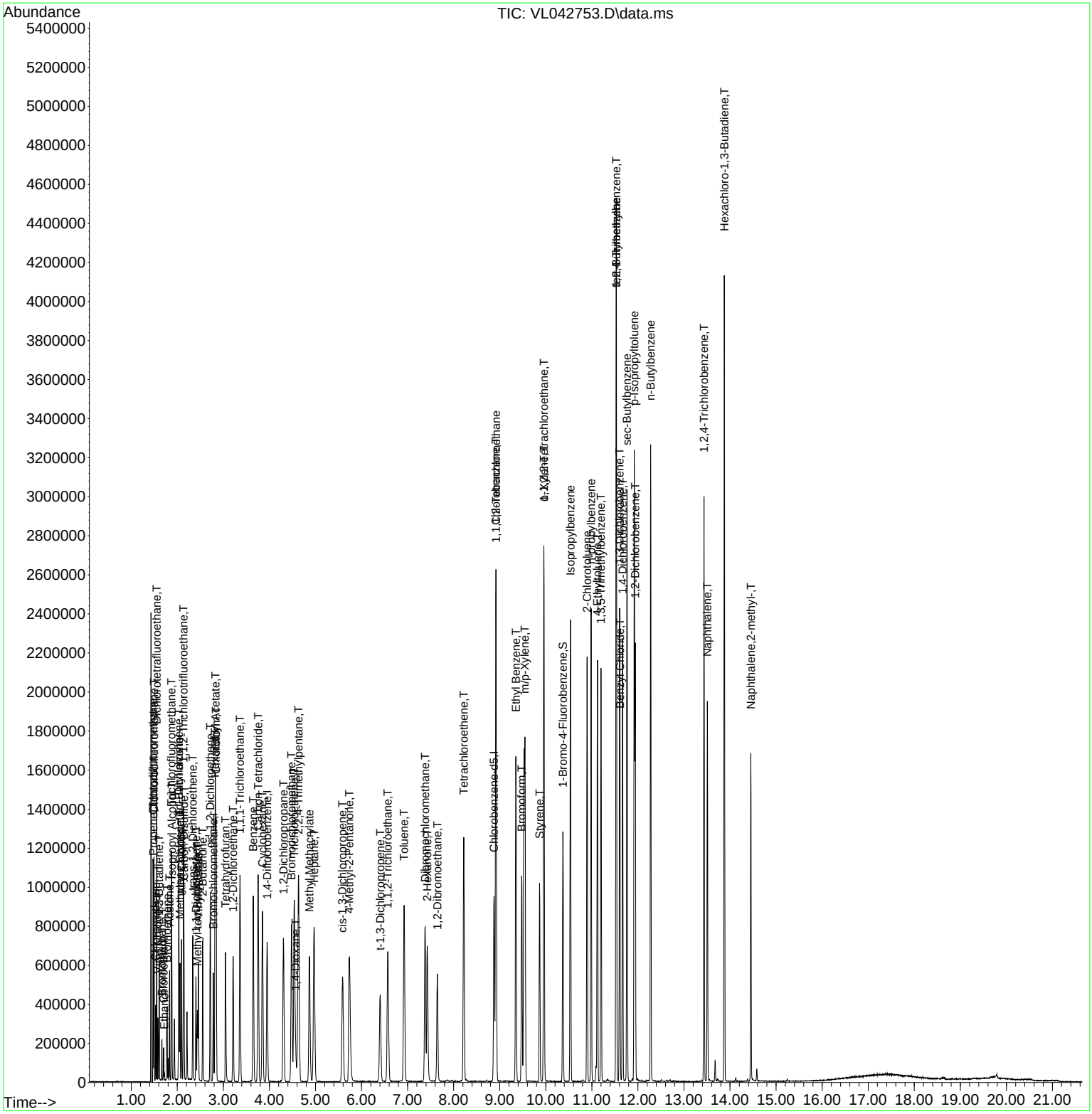
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv		99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv		96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv		99
49) Bromoform	9.477	173	352050	15.955	ppbv		97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv		100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv	#	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv		95
53) Toluene	6.923	91	670142	15.405	ppbv		99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv		99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv		98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv		99
59) m/p-Xylene	9.545	91	766284	15.756	ppbv	#	34
60) o-Xylene	9.959	91	730161	15.030	ppbv		100
61) Styrene	9.866	104	343429	16.805	ppbv		100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv		98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv		97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv		98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv		98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv		99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv		99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv		100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv		99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv		97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv		100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv		99
79) Naphthalene	13.507	128	876734	15.265	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv		99

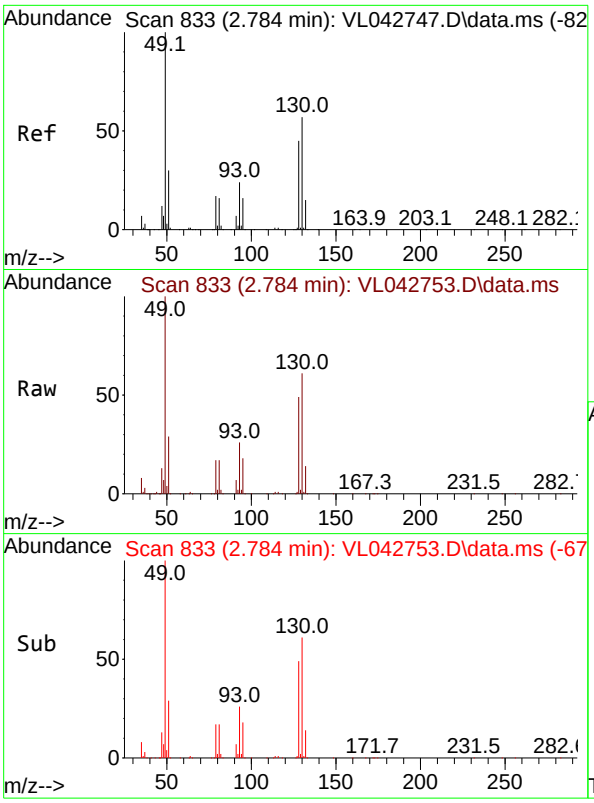
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



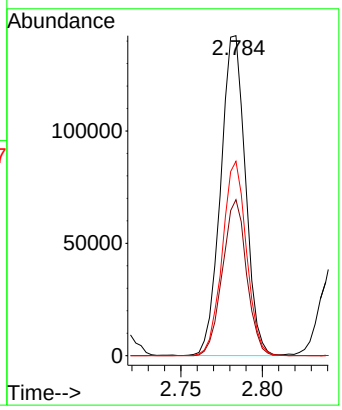


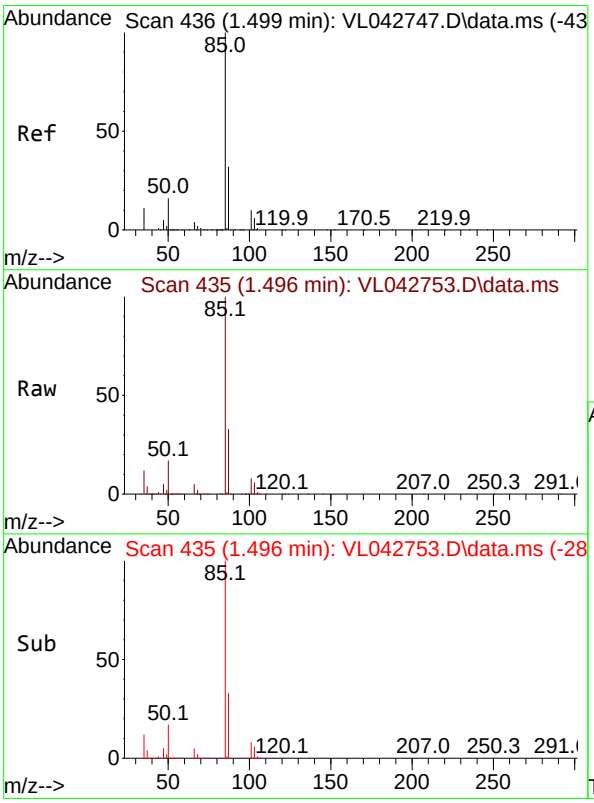
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 150331

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.2	30.3	90.8

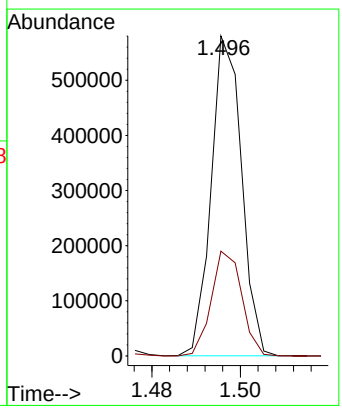


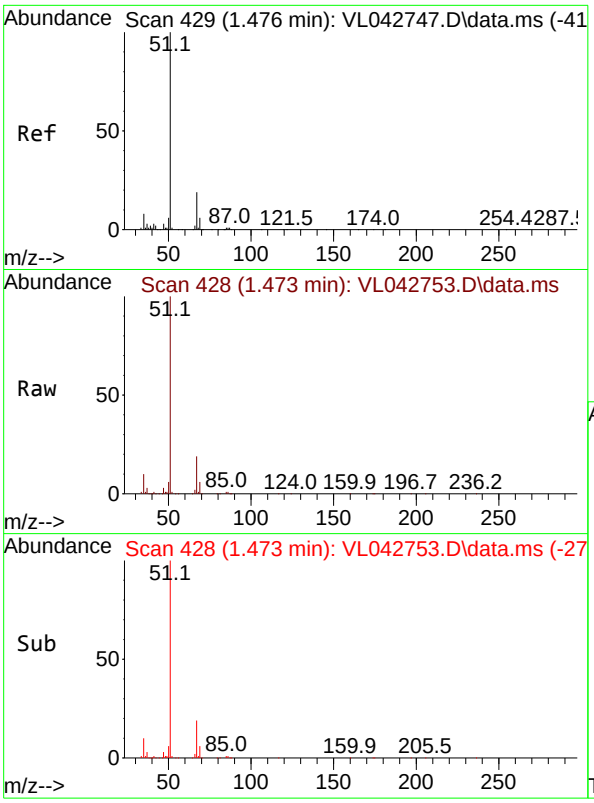


#2
Dichlorodifluoromethane
Concen: 13.938 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2



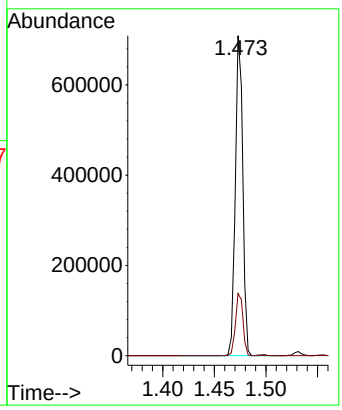


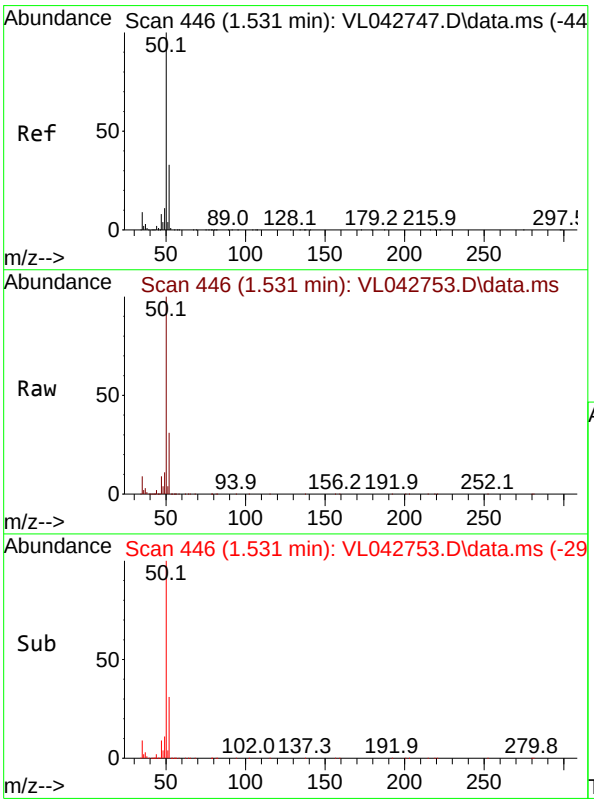
#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 353451

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.0	22.6

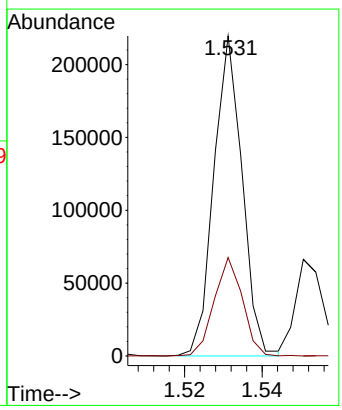


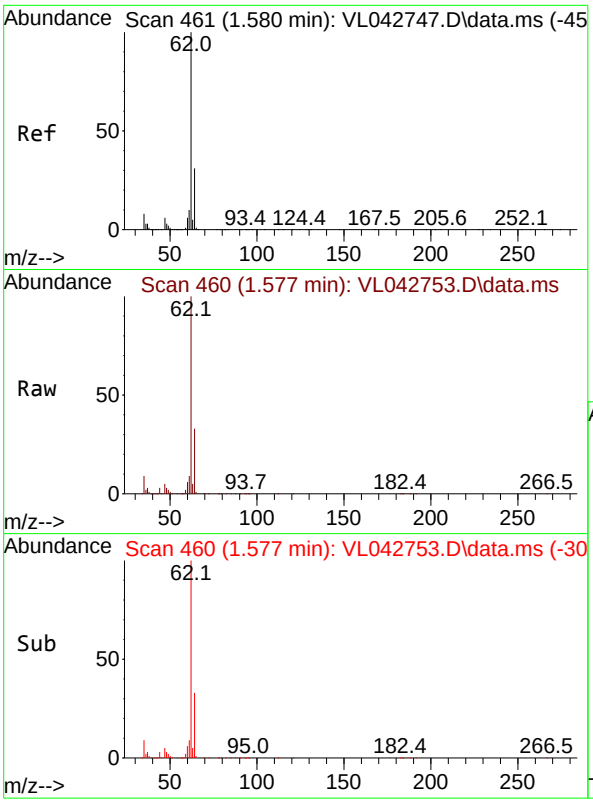


#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



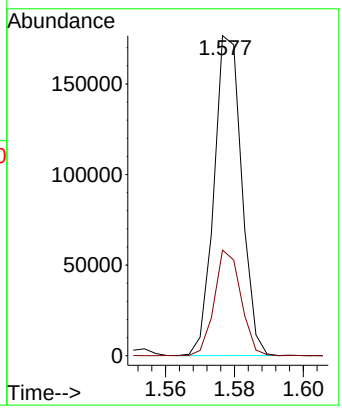


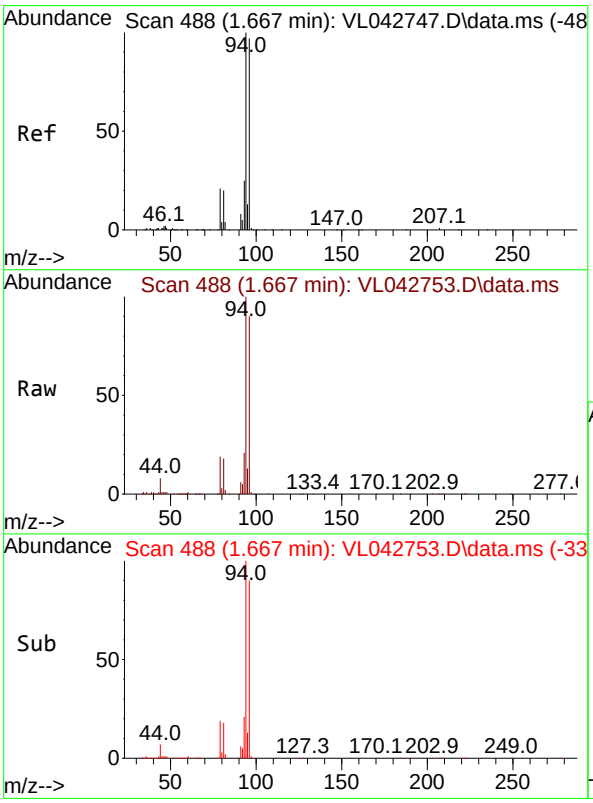
#5
Vinyl Chloride
Concen: 12.410 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 98596

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

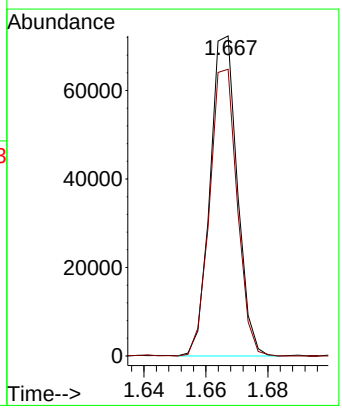


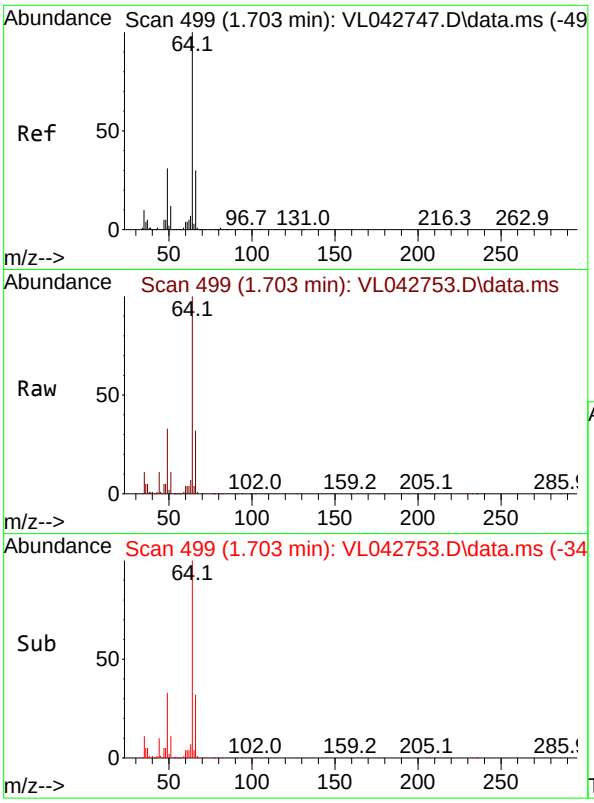


#6
Bromomethane
Concen: 14.372 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 94 Resp: 44144

Ion	Ratio	Lower	Upper
94	100		
96	89.6	77.6	116.4



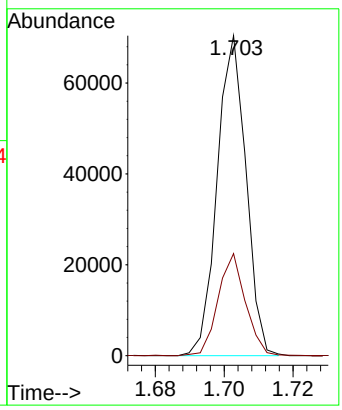


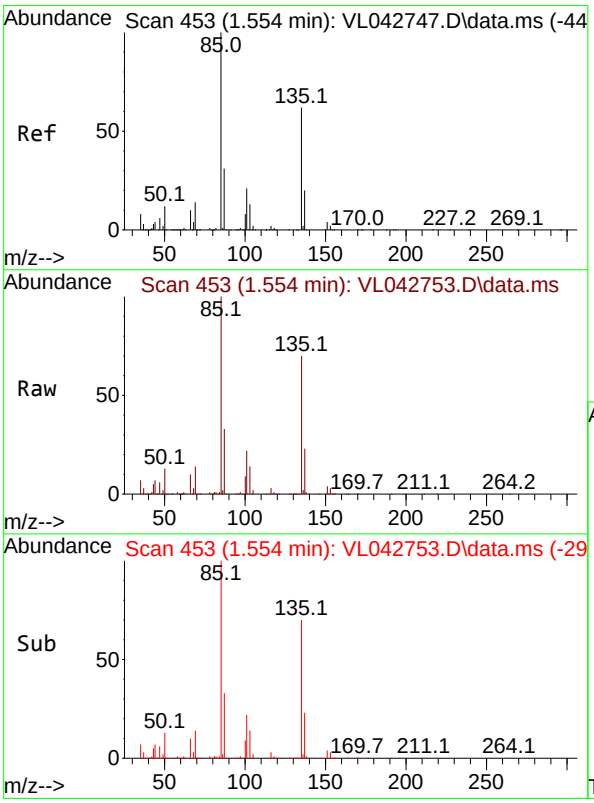
#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 40909

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.1	36.1

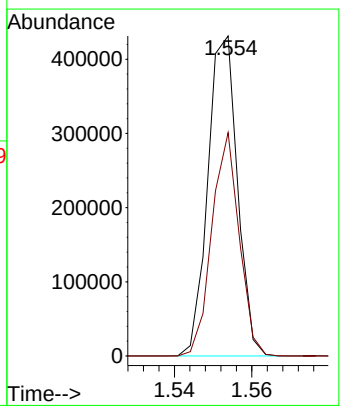


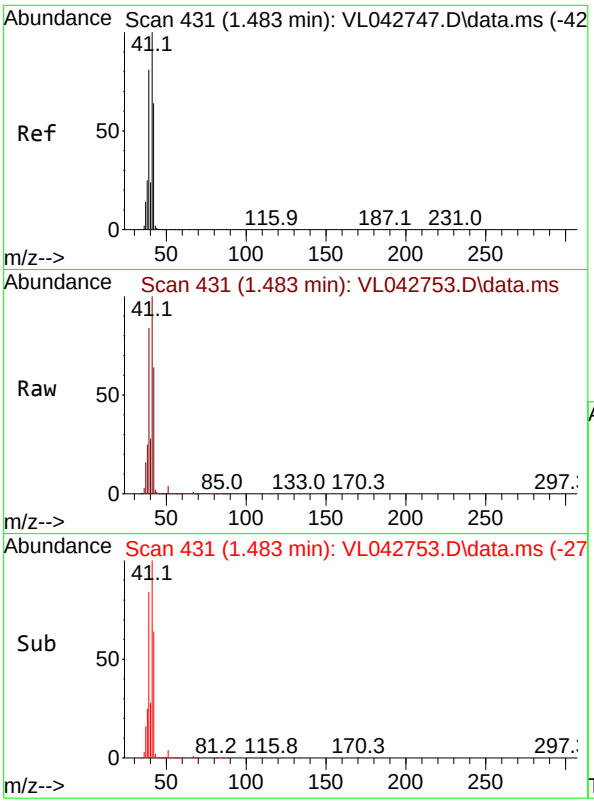


#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 229298

Ion	Ratio	Lower	Upper
85	100		
135	64.4	50.6	76.0



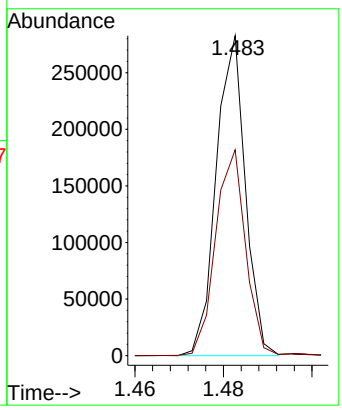


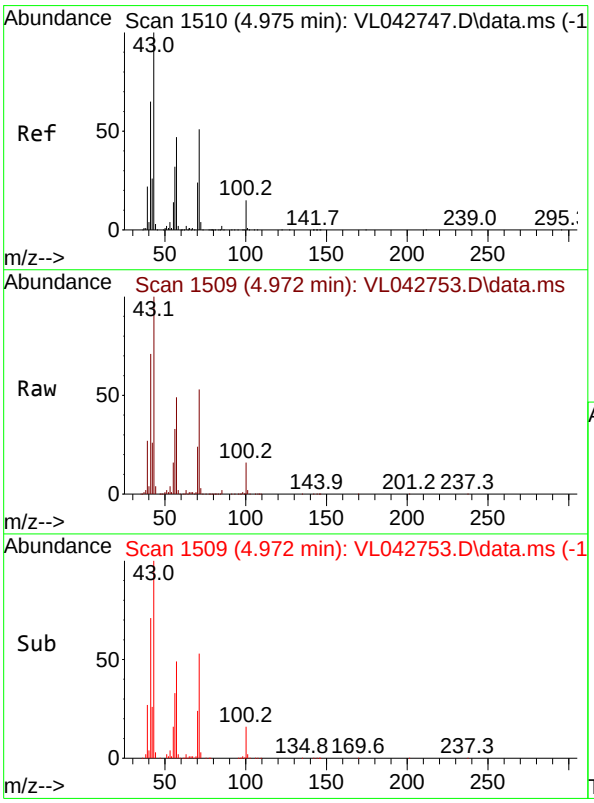
#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 129069

Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.2	79.8

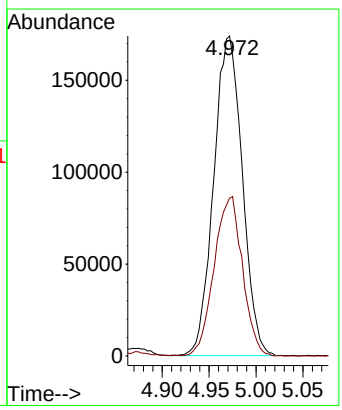


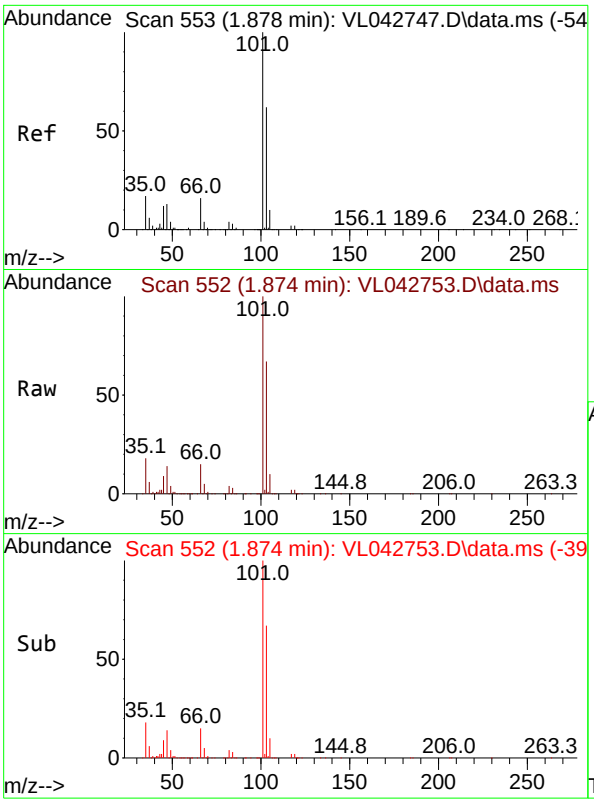


#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 368612

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9



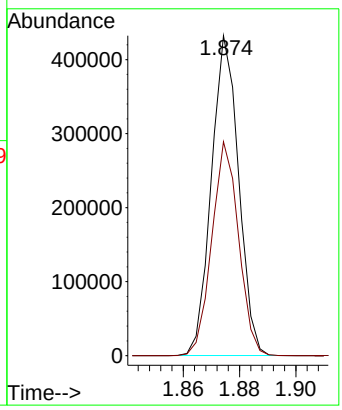


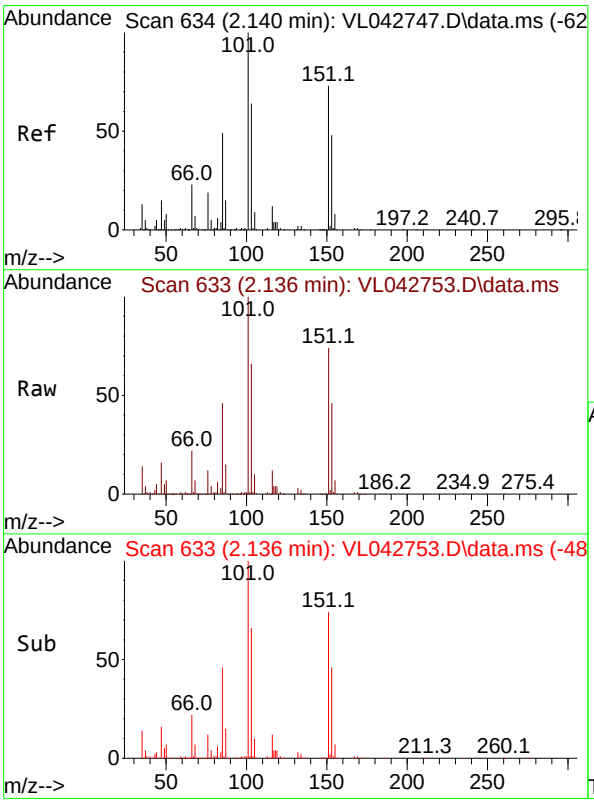
#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 289764

Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.6	74.4

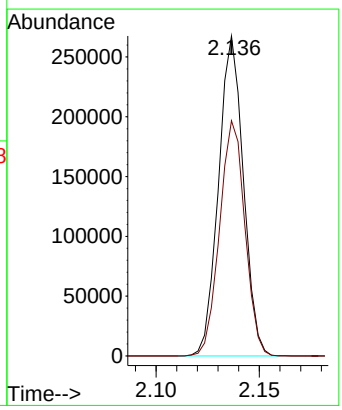


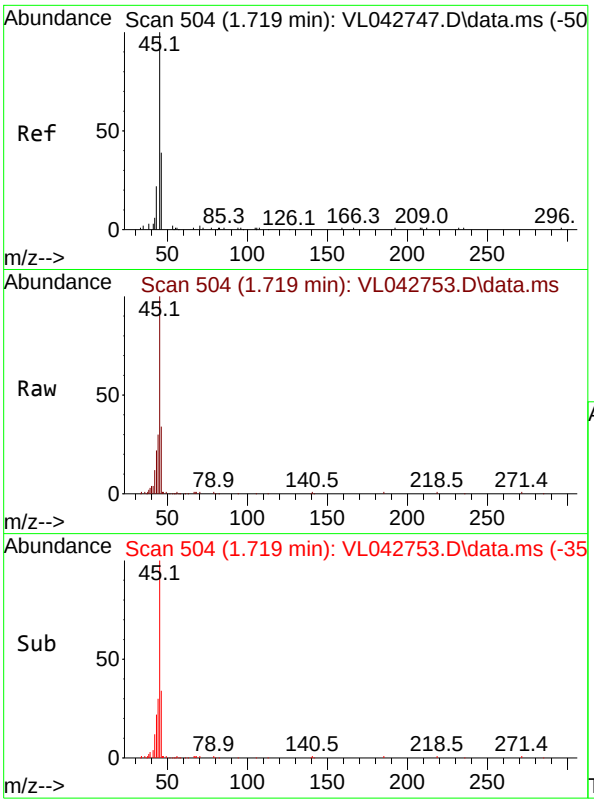


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 223552

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7



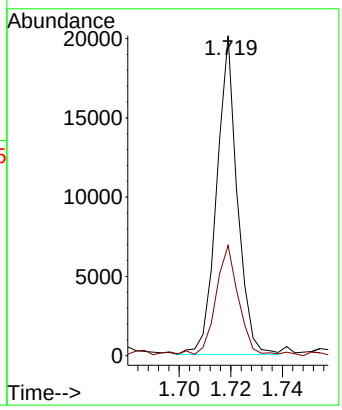


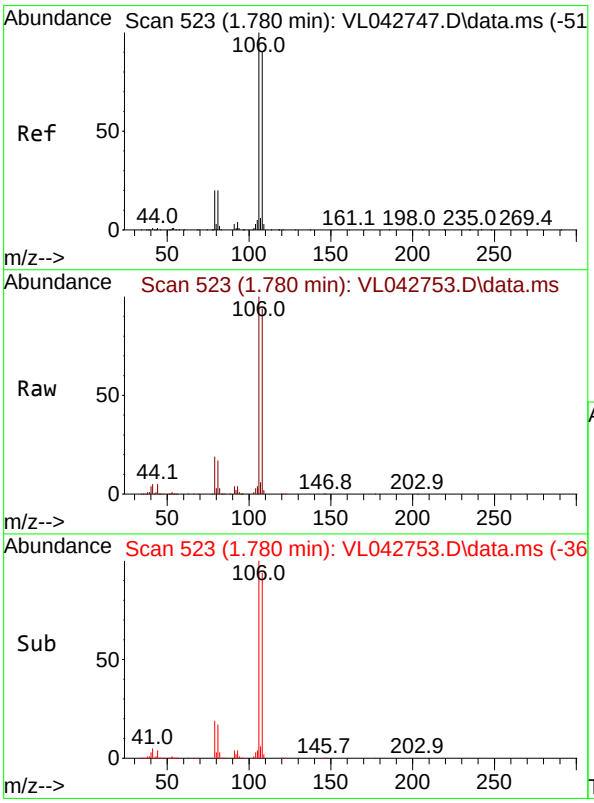
#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 11145

Ion	Ratio	Lower	Upper
45	100		
46	35.4	17.8	71.4

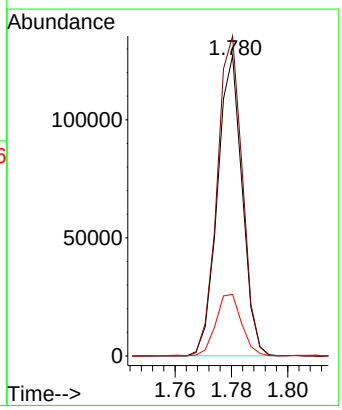


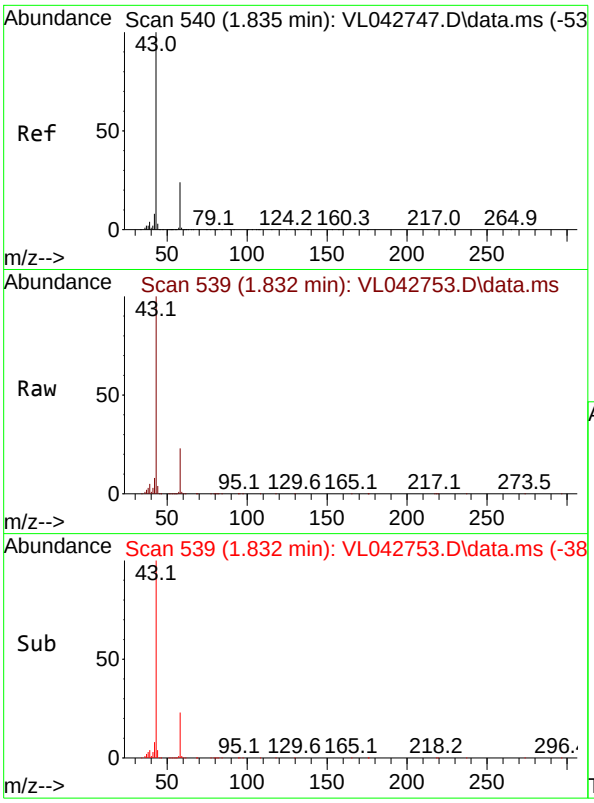


#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:108 Resp: 77435

Ion	Ratio	Lower	Upper
108	100		
106	108.5	84.7	127.1
79	22.3	17.4	26.2



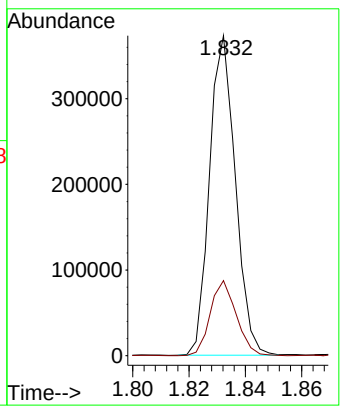


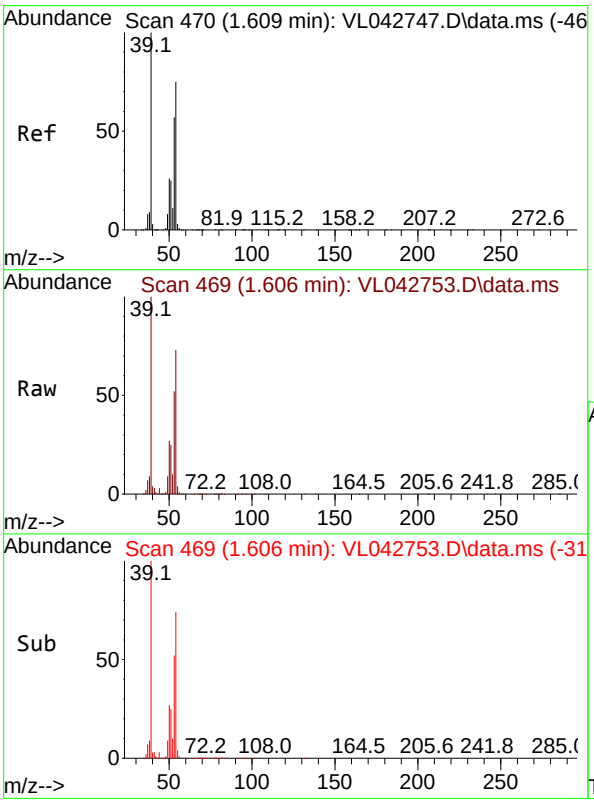
#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 237665

Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.8	29.8

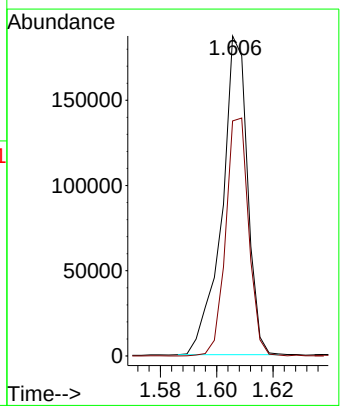


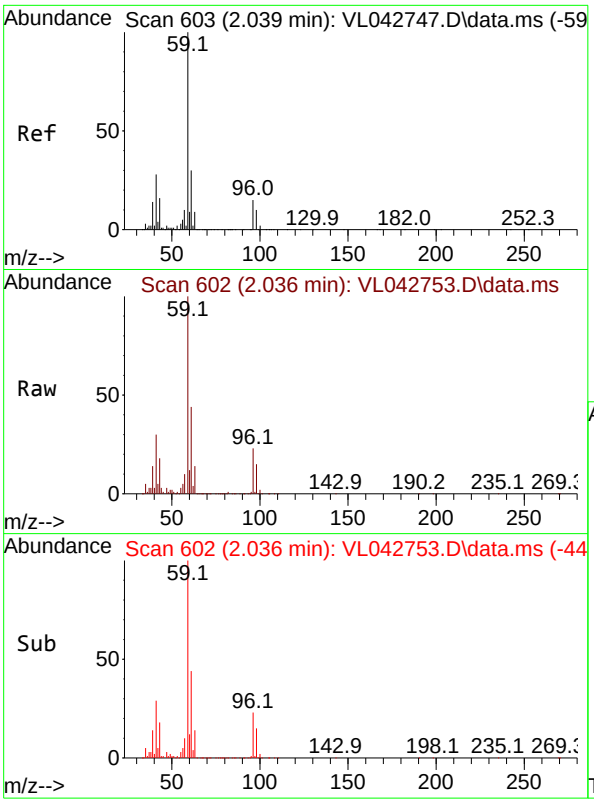


#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252

Ion	Ratio	Lower	Upper
39	100		
54	67.5	54.5	81.7



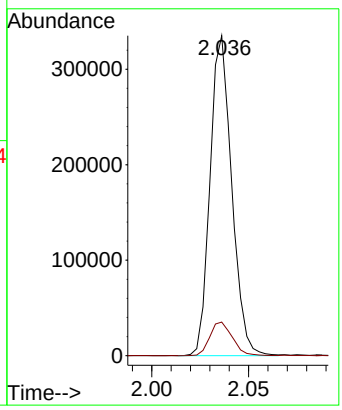


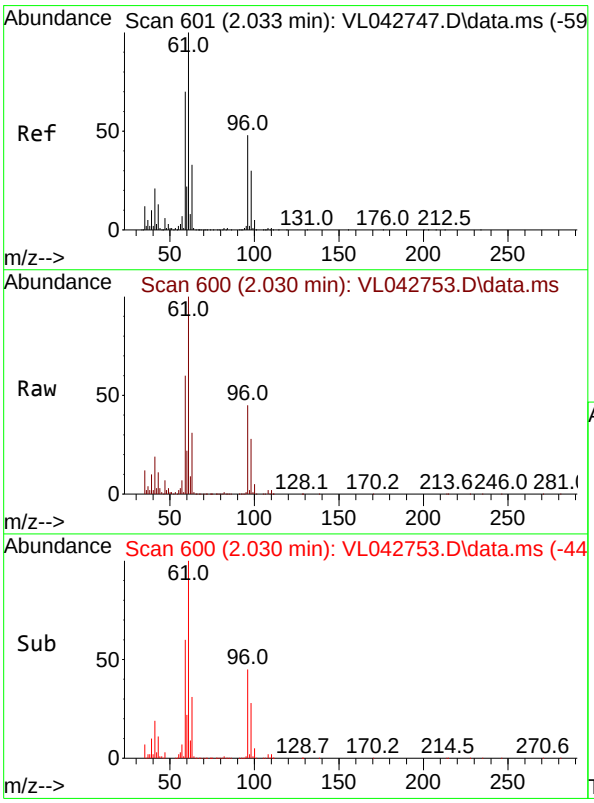
#17
tert-Butyl alcohol
Concen: 13.919 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 260587

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

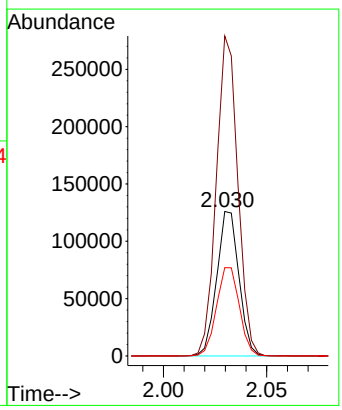


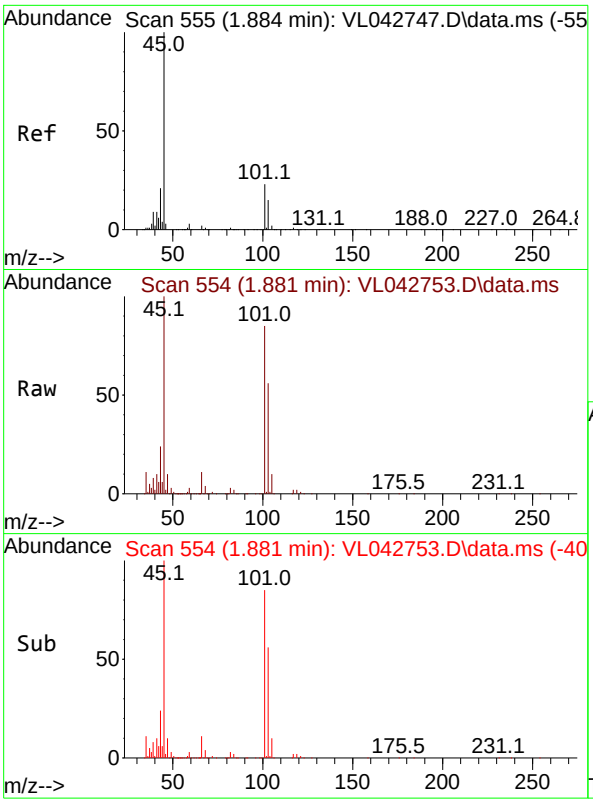


#18
1,1-Dichloroethene
Concen: 13.382 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 94140

Ion	Ratio	Lower	Upper
96	100		
61	221.6	165.8	248.6
98	61.2	49.9	74.9



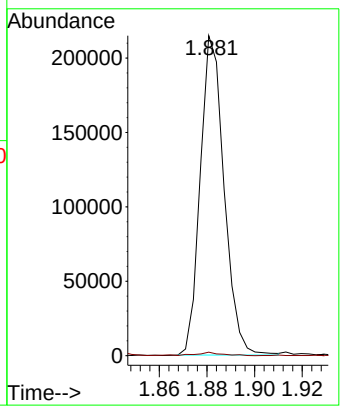


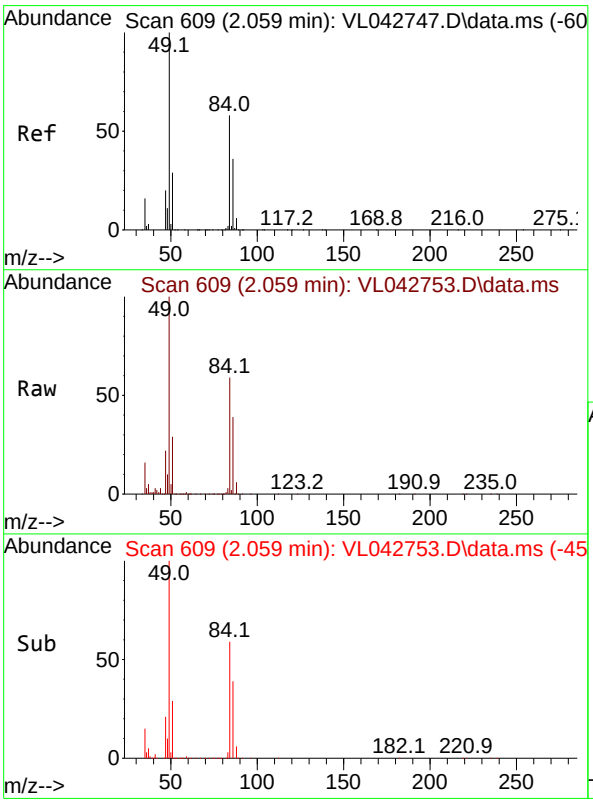
#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 149463

Ion	Ratio	Lower	Upper
45	100		
58	38.1	30.0	45.0

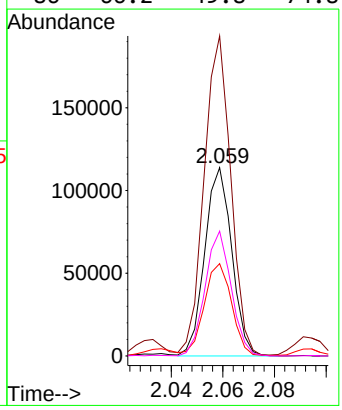


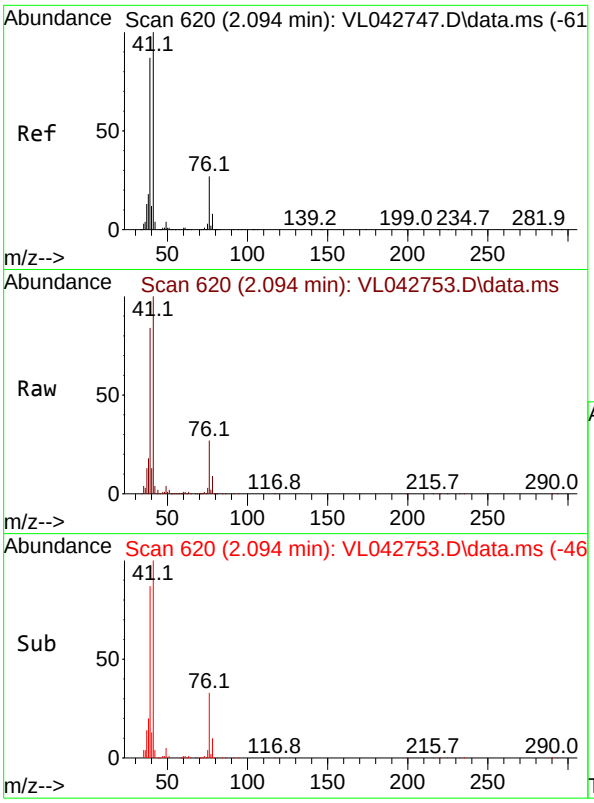


#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 82755

Ion	Ratio	Lower	Upper
84	100		
49	169.2	138.6	208.0
51	48.6	40.6	61.0
86	66.2	49.8	74.8



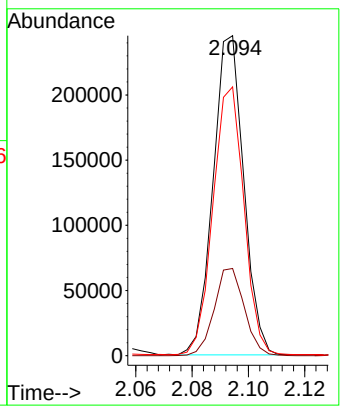


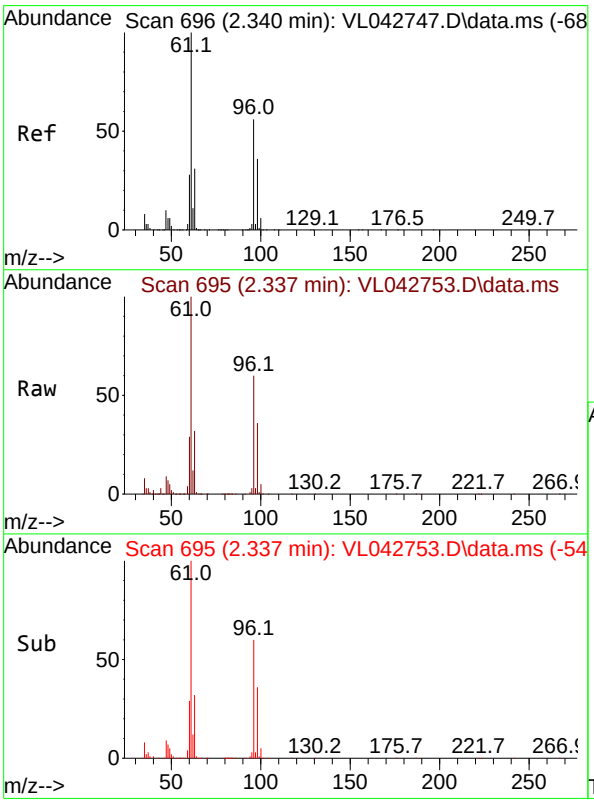
#21
Allyl Chloride
Concen: 14.476 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 185201

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.1	31.7
39	85.2	68.3	102.5

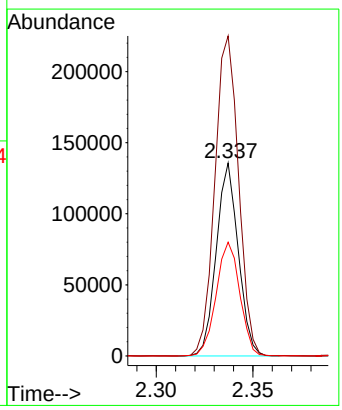


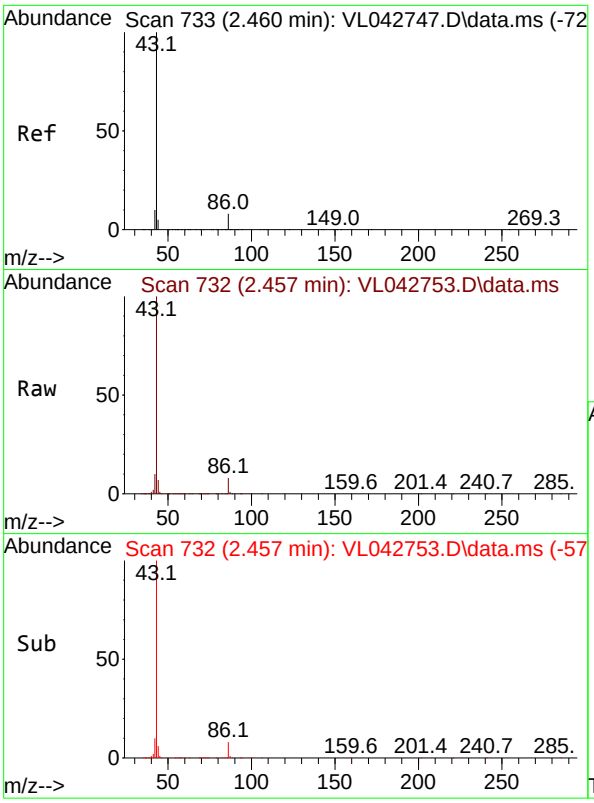


#22
trans-1,2-Dichloroethene
Concen: 14.160 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 107003

Ion	Ratio	Lower	Upper
96	100		
61	165.9	142.3	213.5
98	59.0	50.6	76.0



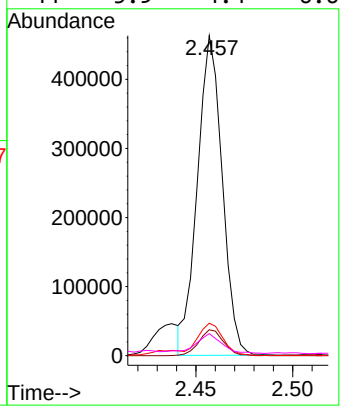


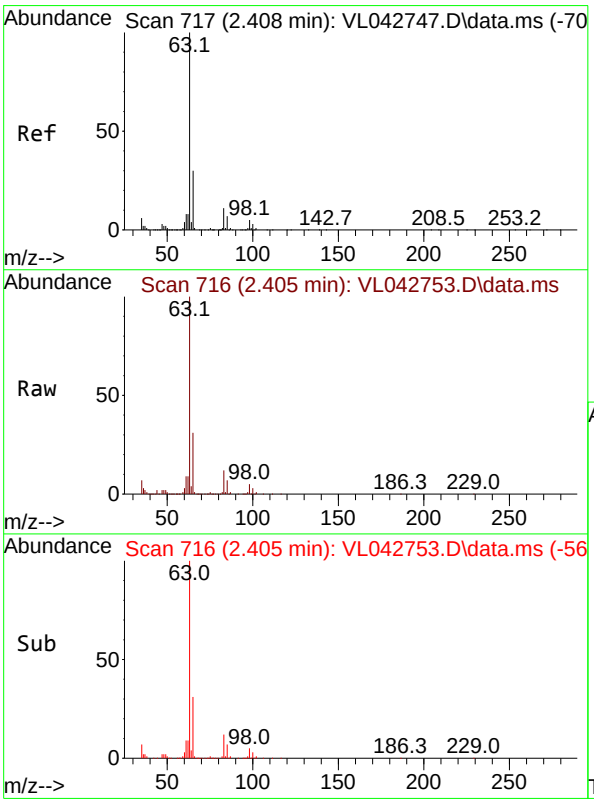
#23
Vinyl Acetate
Concen: 16.426 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 413378

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.1	9.1
42	10.1	7.8	11.8
44	5.9	4.4	6.6

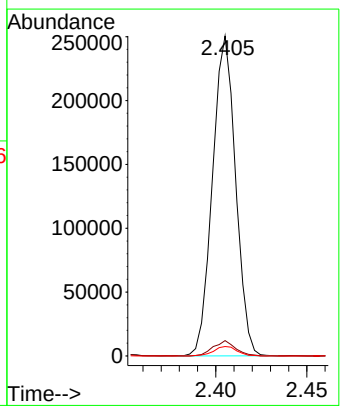


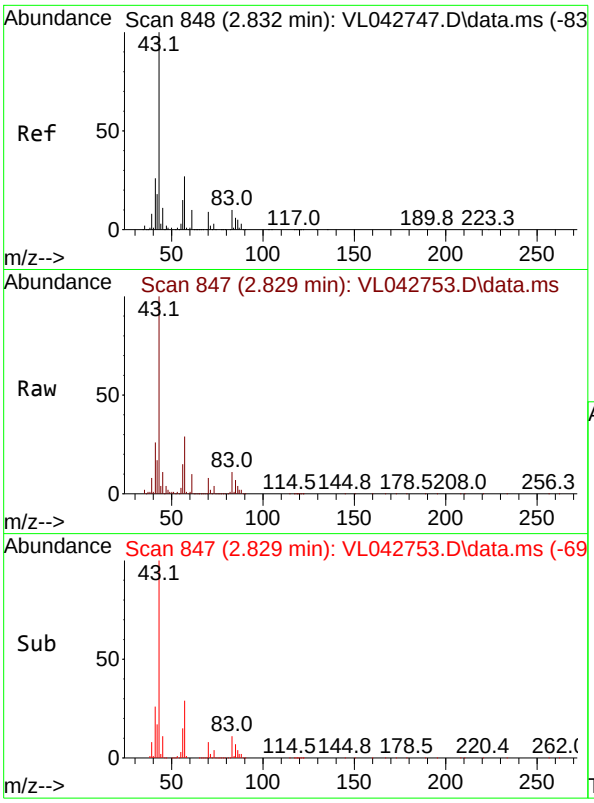


#24
1,1-Dichloroethane
Concen: 14.239 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 221175

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	2.9	1.6	4.8



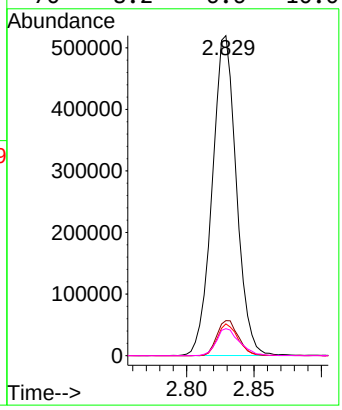


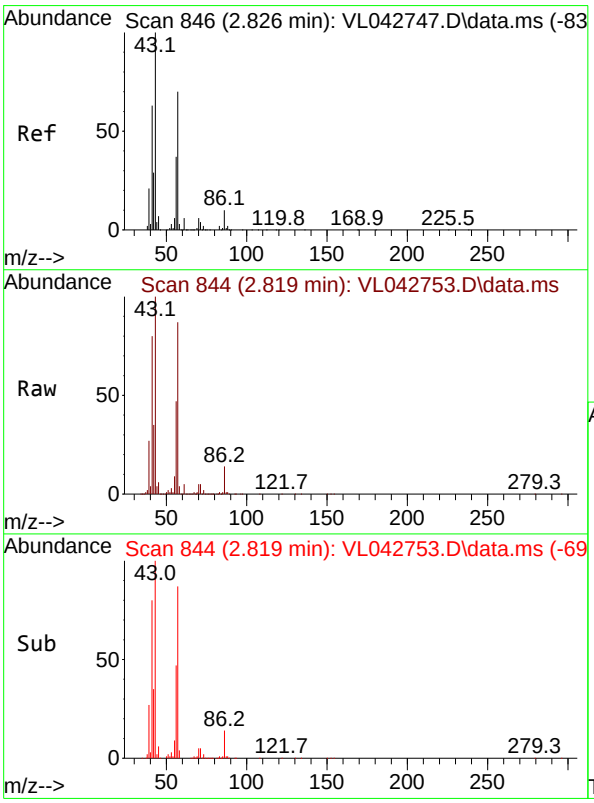
#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 647150

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	8.6	6.7	10.1
70	8.2	6.6	10.0

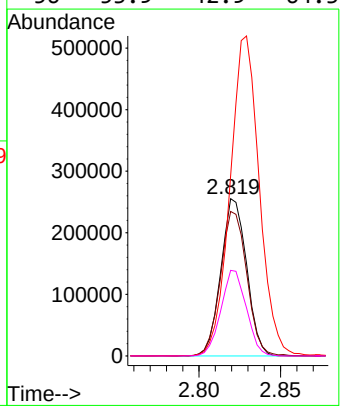


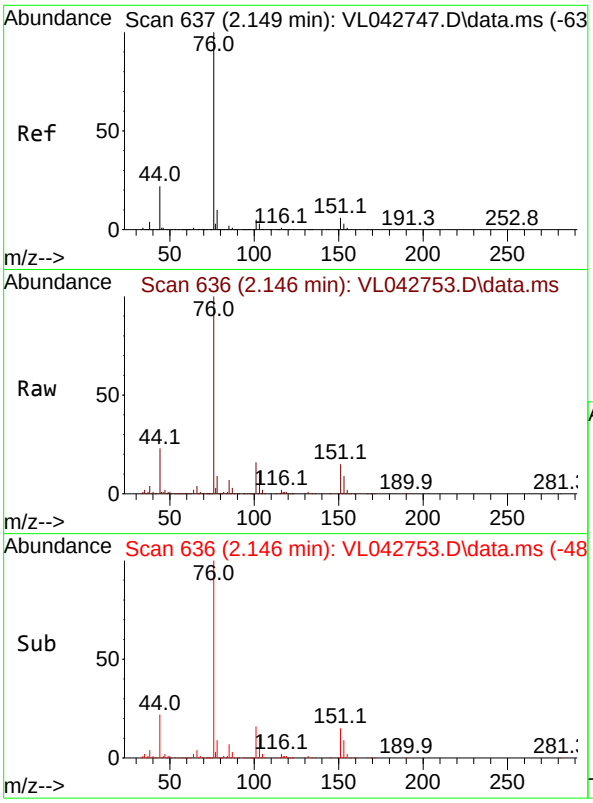


#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 279549

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.4	113.2
43	232.7	185.0	277.6
56	53.9	42.9	64.3



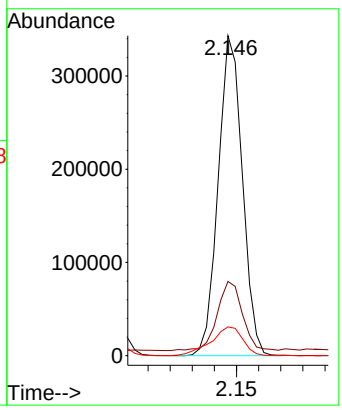


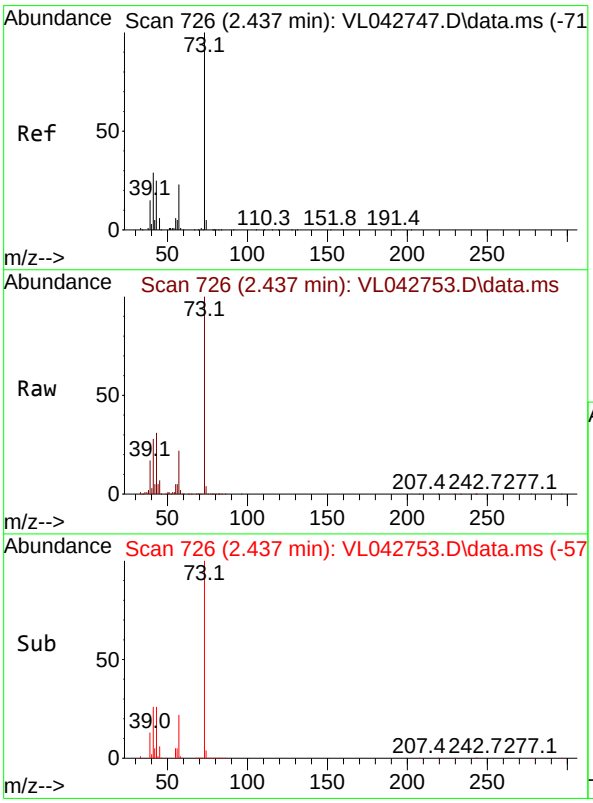
#27
Carbon Disulfide
Concen: 15.119 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 260884

Ion	Ratio	Lower	Upper
76	100		
44	23.1	19.3	28.9
78	11.9	9.9	14.9

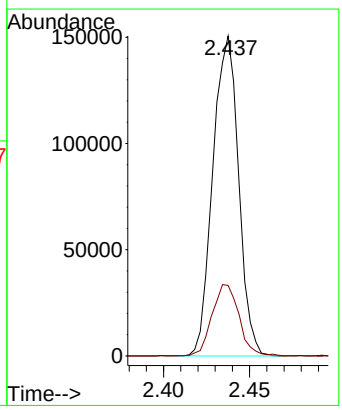


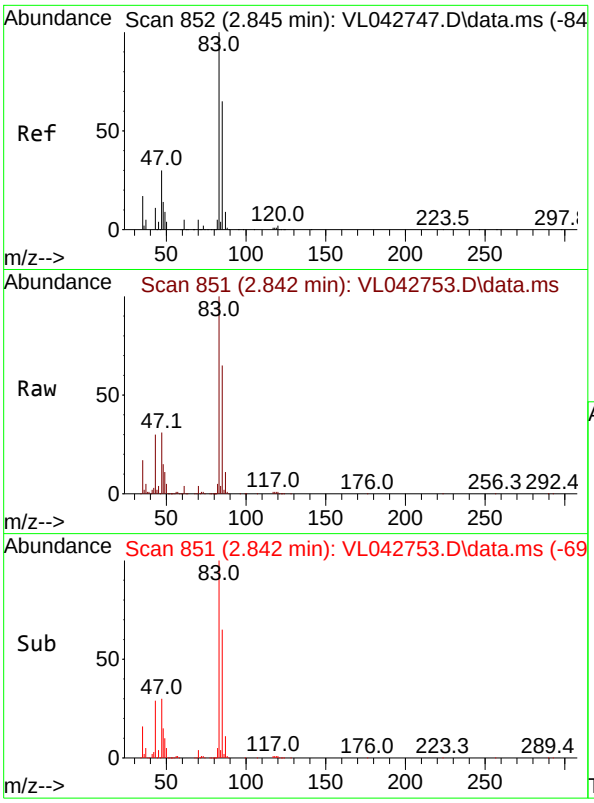


#28
Methyl tert-Butyl Ether
Concen: 16.477 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 73 Resp: 156895

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8



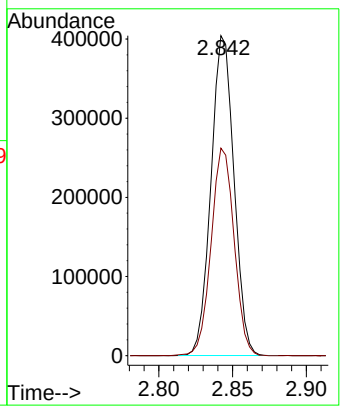


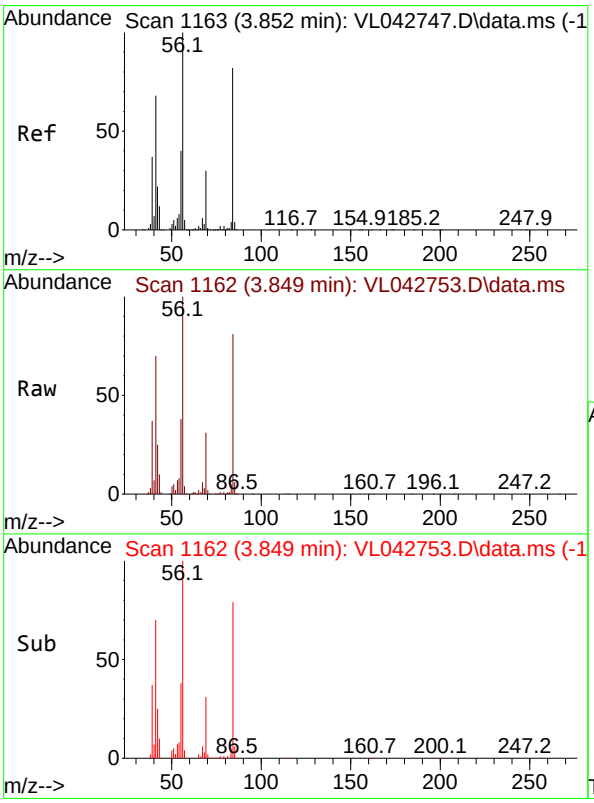
#29
Chloroform
Concen: 14.067 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 438155

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2

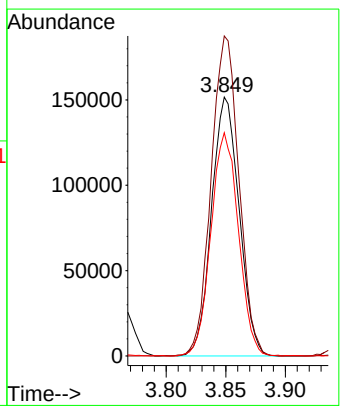


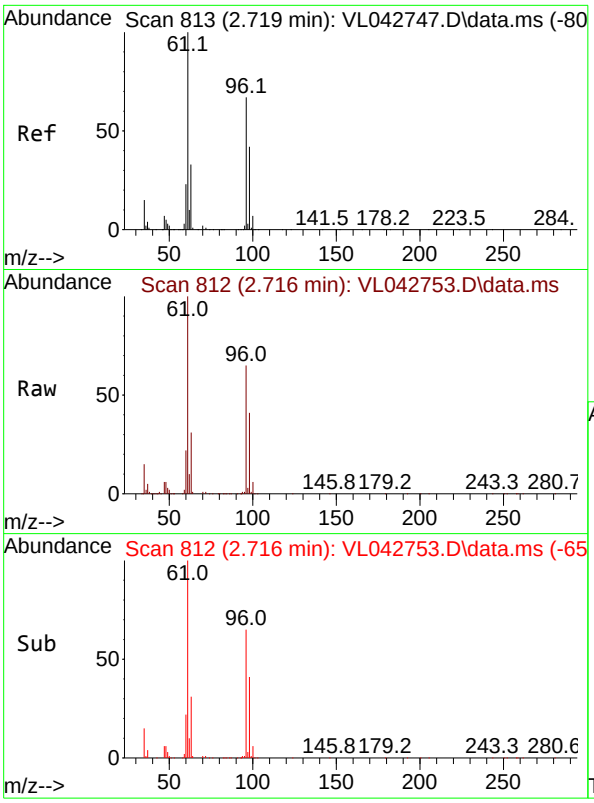


#30
Cyclohexane
Concen: 14.280 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 244116

Ion	Ratio	Lower	Upper
84	100		
56	124.4	97.5	146.3
41	85.9	67.2	100.8



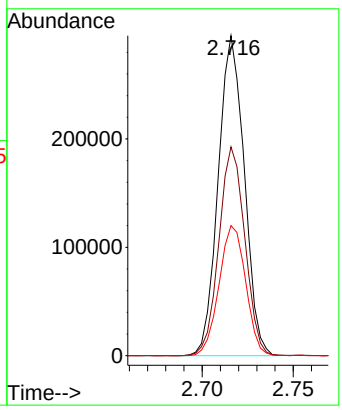


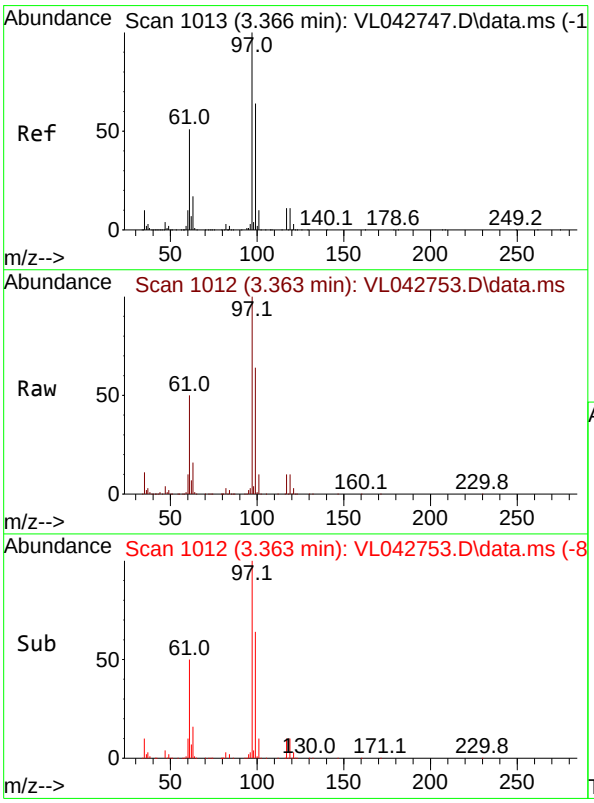
#31
cis-1,2-Dichloroethene
Concen: 14.192 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 293947

Ion	Ratio	Lower	Upper
61	100		
96	65.3	53.5	80.3
98	40.7	33.6	50.4

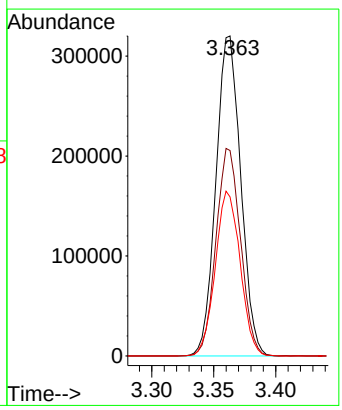


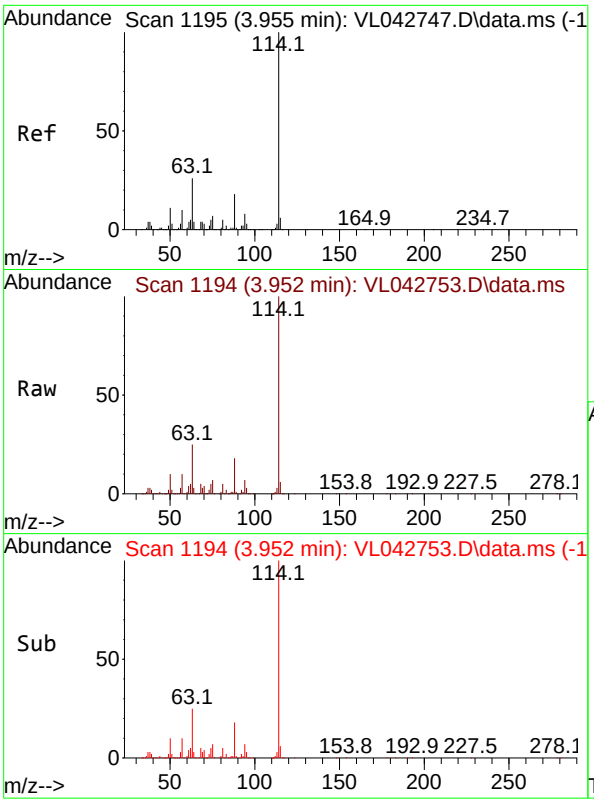


#32
1,1,1-Trichloroethane
Concen: 13.796 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 447592

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.5	40.9	61.3



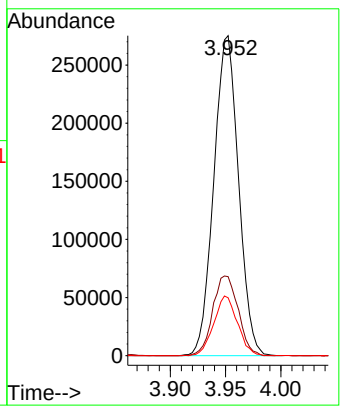


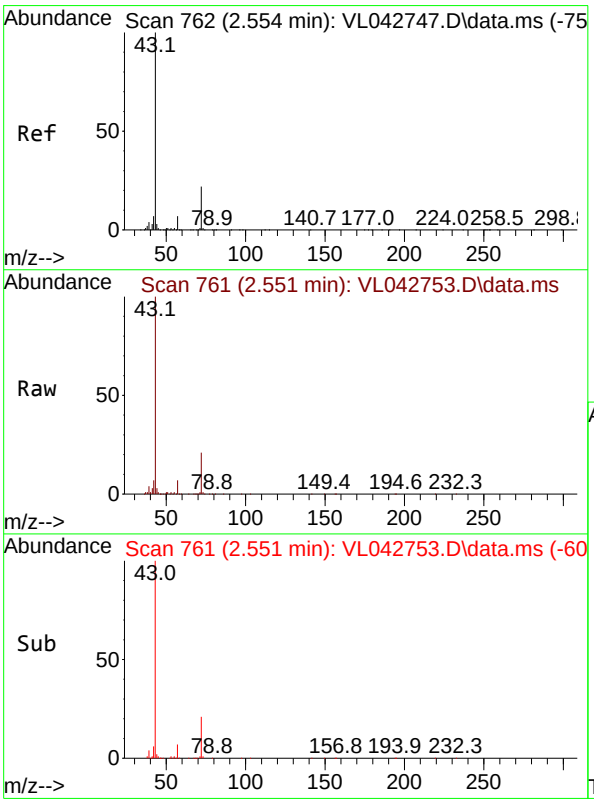
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 427438

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.9	14.0	21.0

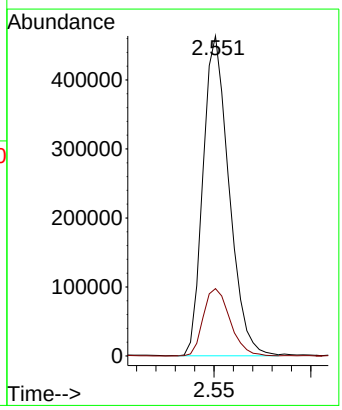


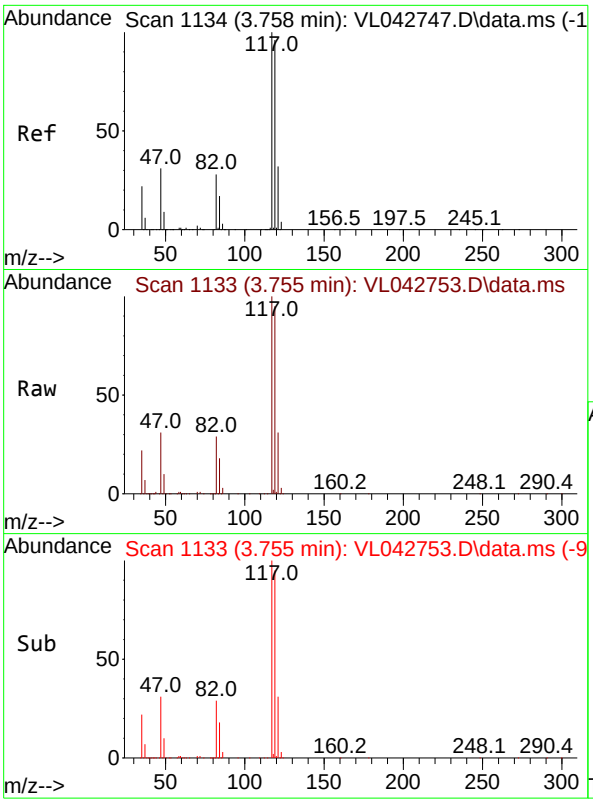


#34
2-Butanone
Concen: 14.297 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 432873

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0



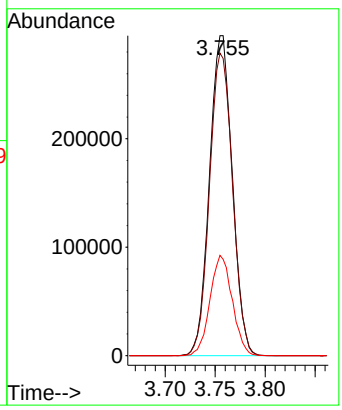


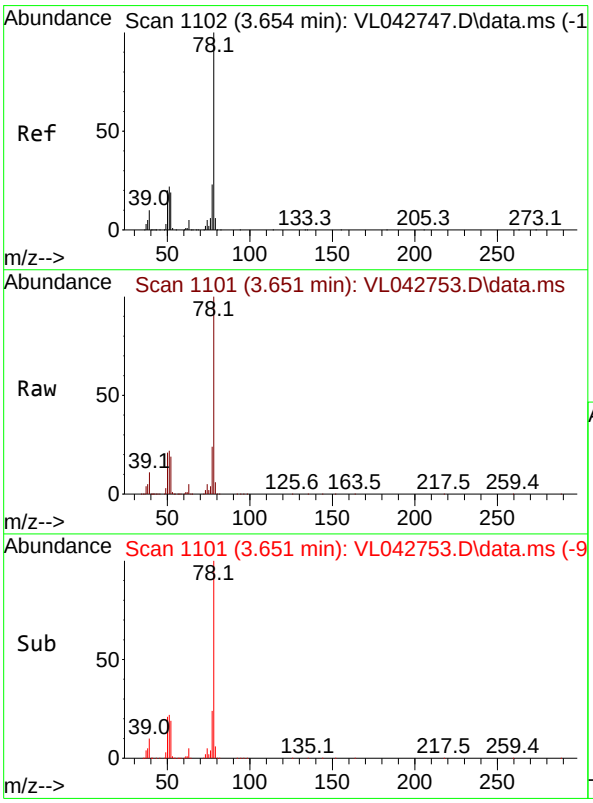
#35
Carbon Tetrachloride
Concen: 14.764 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 468957

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
121	31.4	25.5	38.3

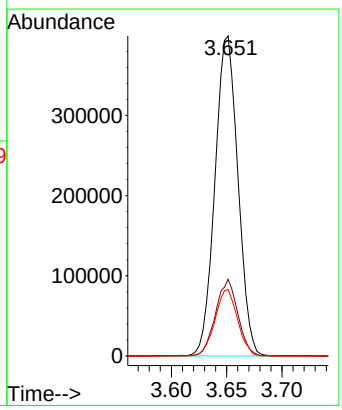


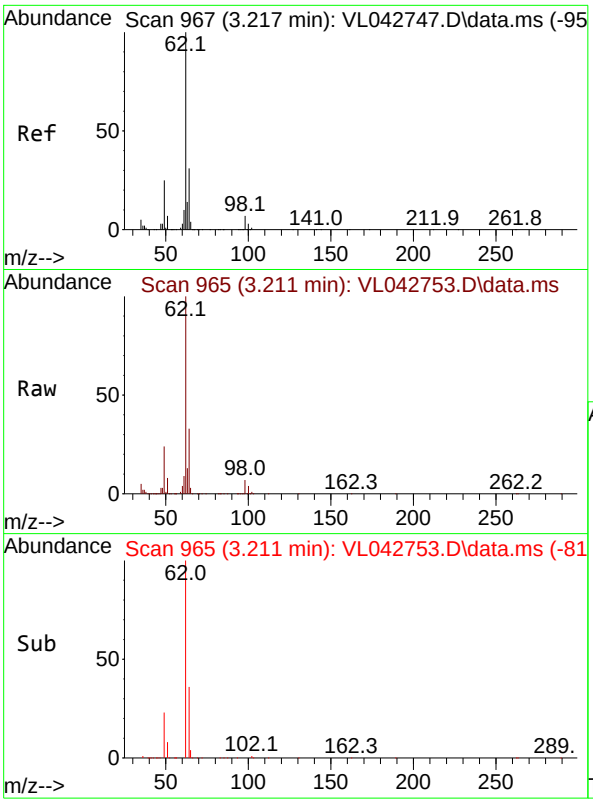


#36
Benzene
Concen: 14.247 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 78 Resp: 577153

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7
50	20.7	16.2	24.2



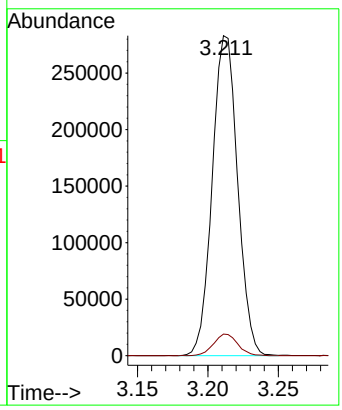


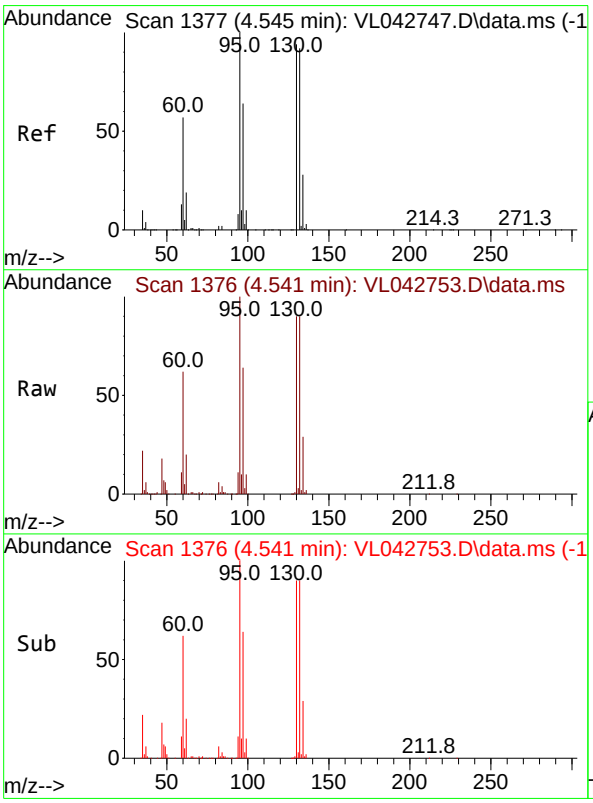
#37
1,2-Dichloroethane
Concen: 14.533 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 354637

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

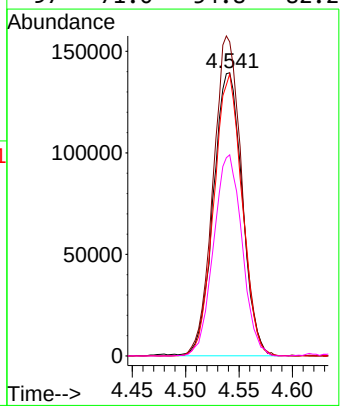


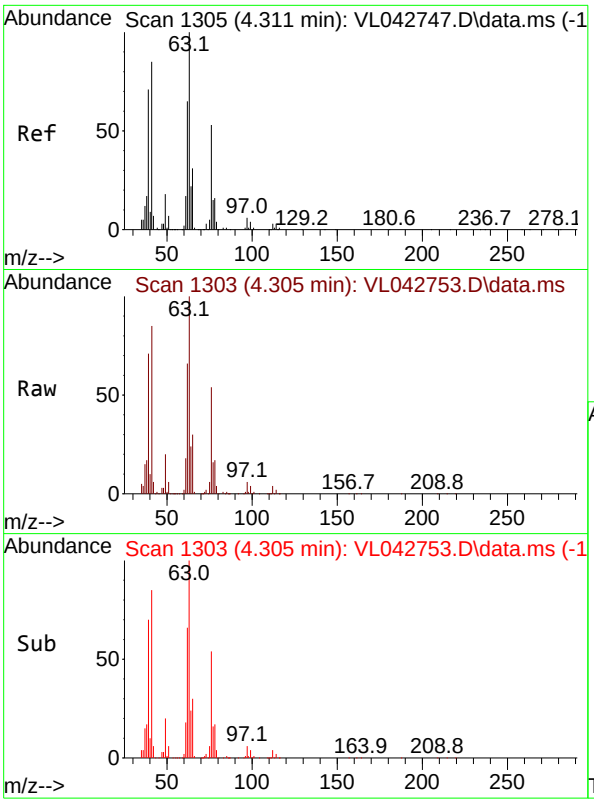


#38
Trichloroethene
Concen: 13.416 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

Ion	Ratio	Lower	Upper
130	100		
95	110.8	85.4	128.2
132	99.5	78.2	117.2
97	71.0	54.8	82.2



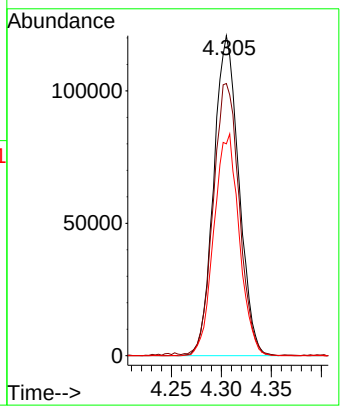


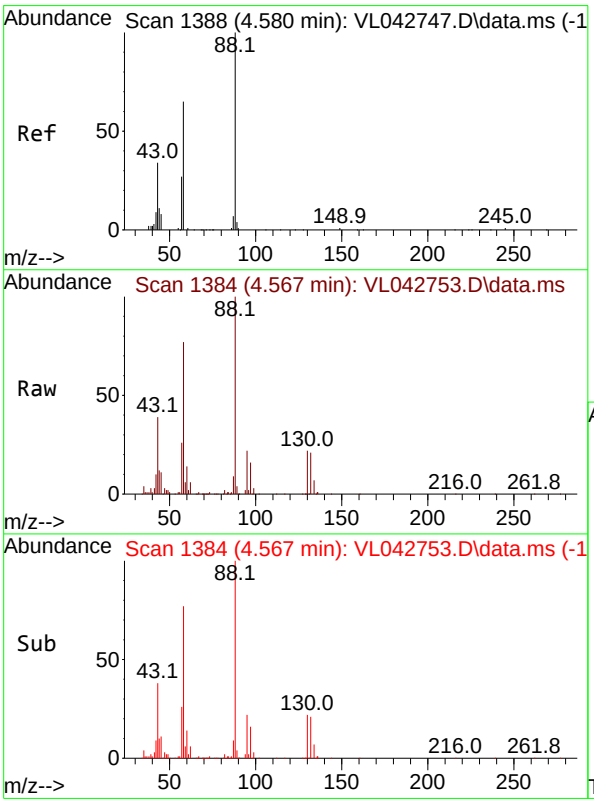
#39
1,2-Dichloropropane
Concen: 14.150 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 211594

Ion	Ratio	Lower	Upper
63	100		
41	85.0	68.2	102.4
62	66.2	52.0	78.0

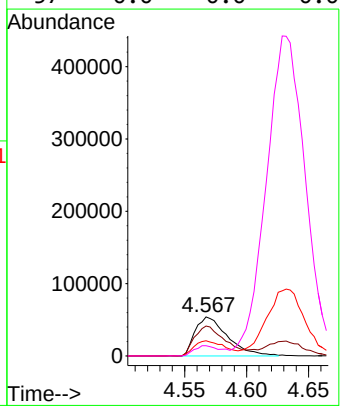


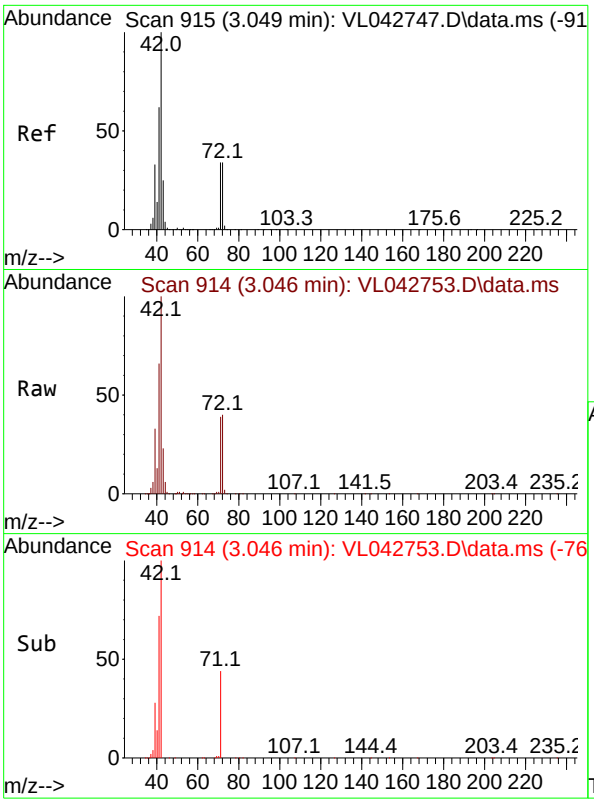


#40
1,4-Dioxane
Concen: 13.926 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.8	88.2
43	35.8	28.9	43.3
57	0.0	0.0	0.0



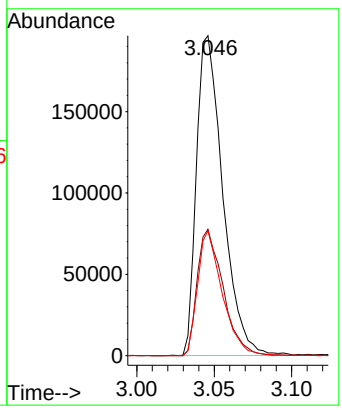


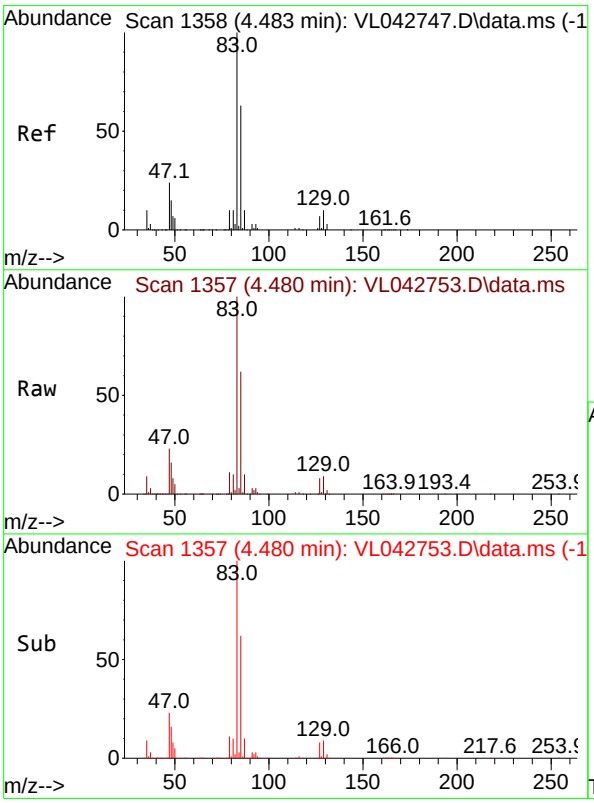
#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 232393

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.9	46.3
71	36.6	28.6	43.0

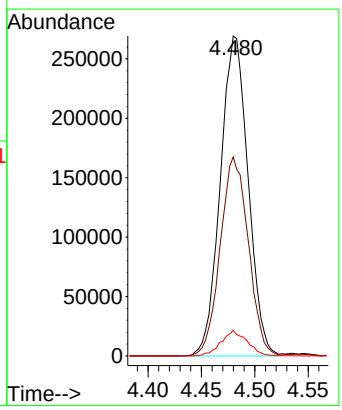


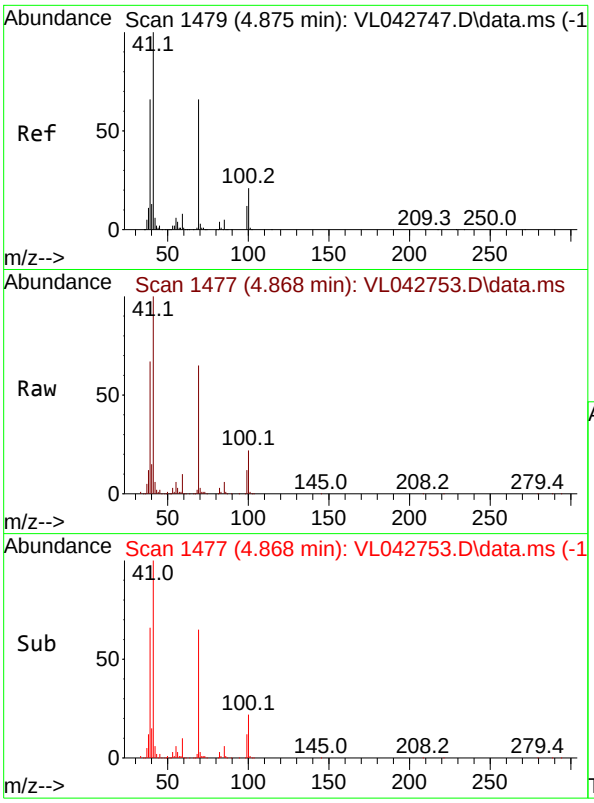


#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 486831

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.0	5.4	8.2



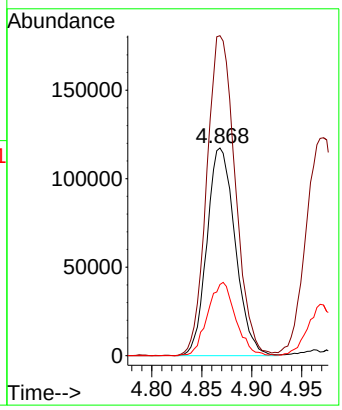


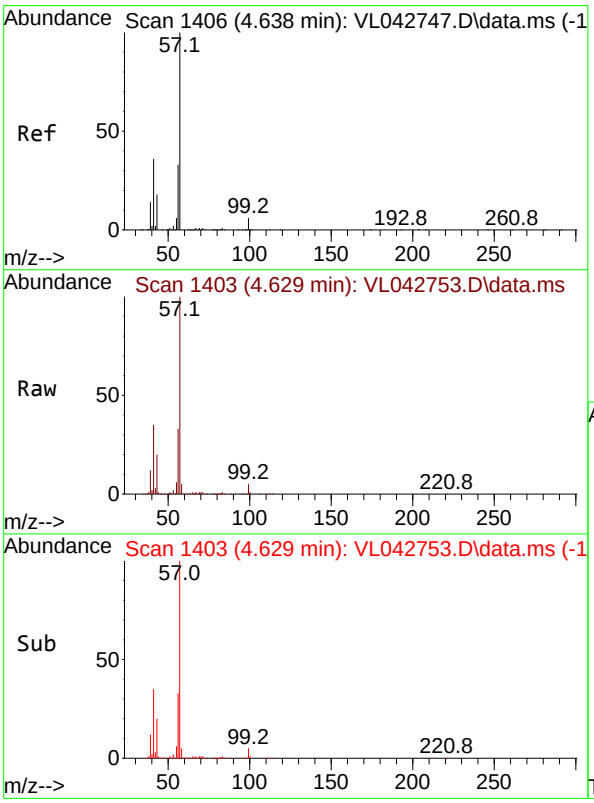
#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 231227

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	34.8	28.6	42.8

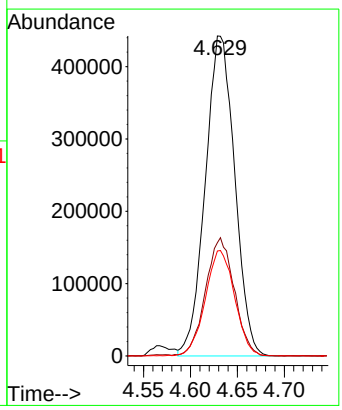


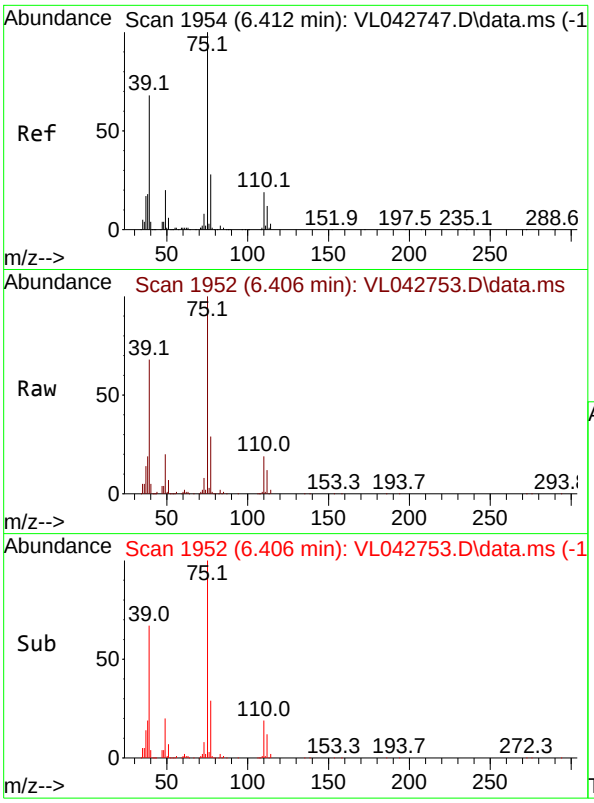


#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 963867

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.9	25.8	38.6



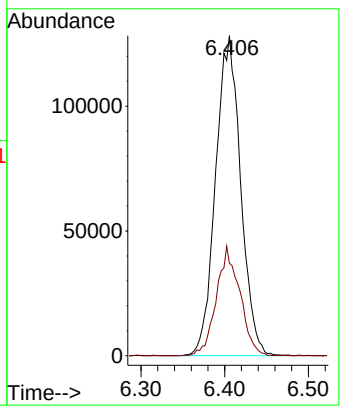


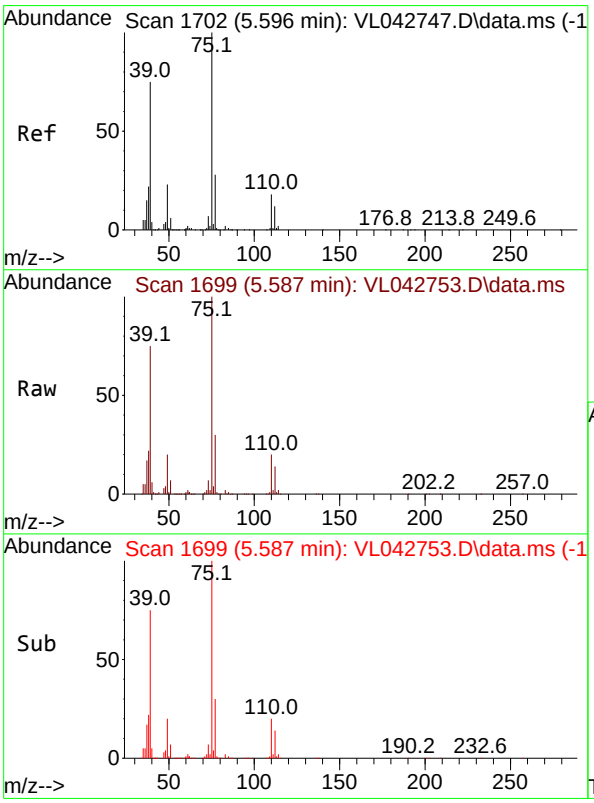
#45
t-1,3-Dichloropropene
Concen: 16.478 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 266194

Ion	Ratio	Lower	Upper
75	100		
77	28.9	22.4	33.6

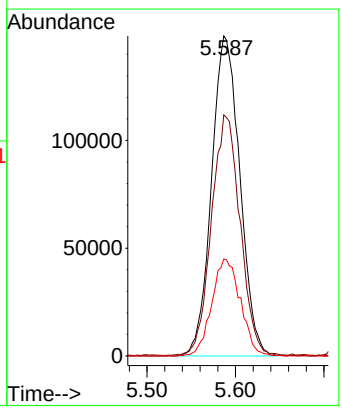


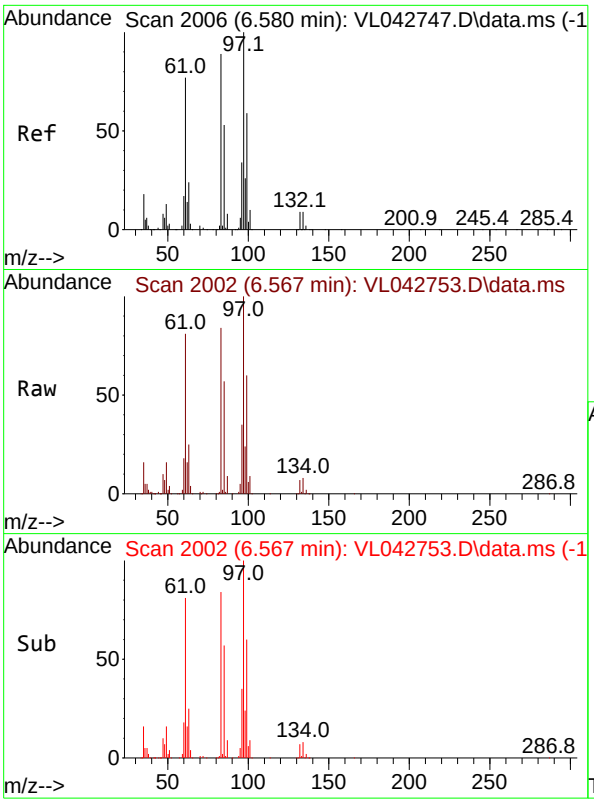


#46
cis-1,3-Dichloropropene
Concen: 16.115 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850

Ion	Ratio	Lower	Upper
75	100		
39	74.8	60.2	90.2
77	30.2	22.6	34.0



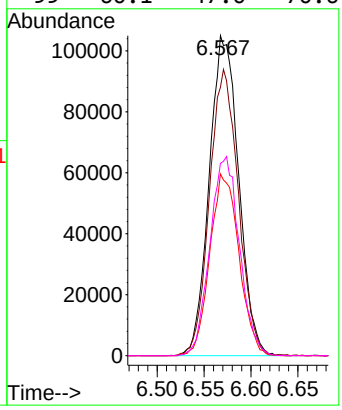


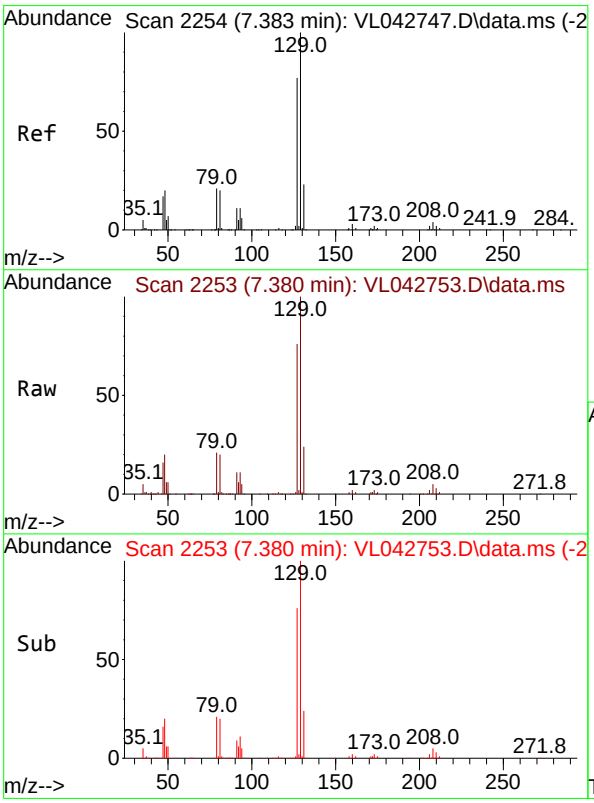
#47
1,1,2-Trichloroethane
Concen: 14.335 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 228492

Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.1	106.7
85	56.7	43.0	64.4
99	60.1	47.0	70.6

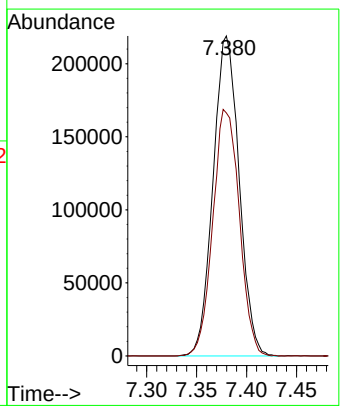


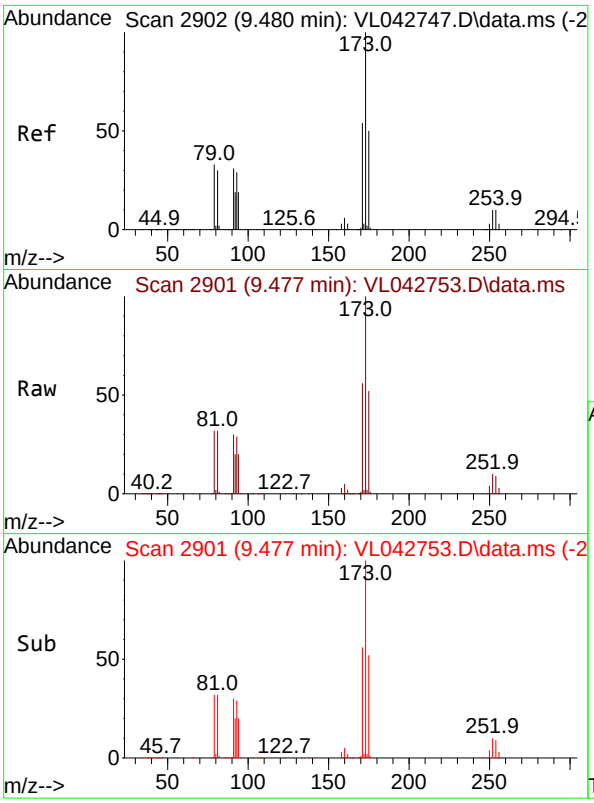


#48
Dibromochloromethane
Concen: 15.695 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:129 Resp: 397179

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.7	116.1



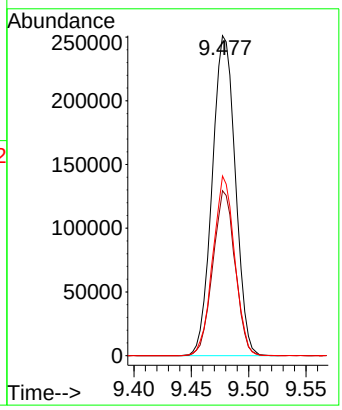


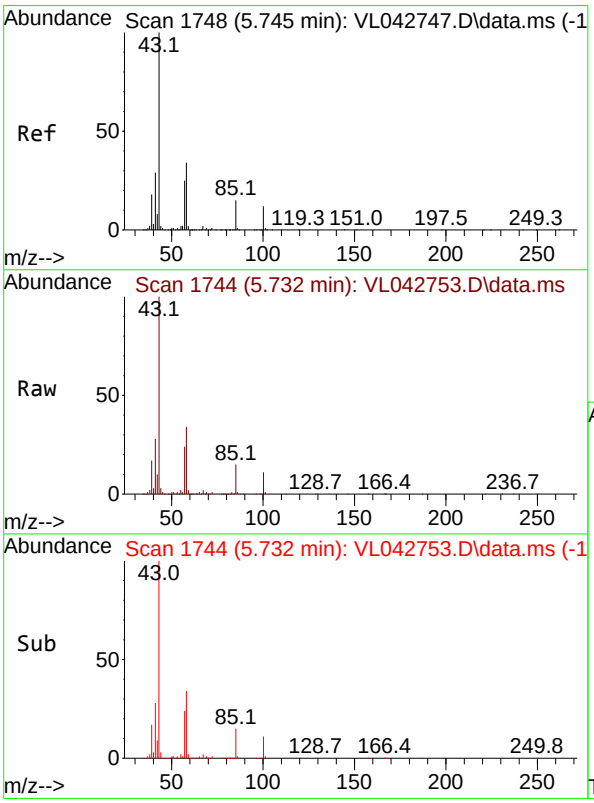
#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 352050

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.4	57.6
171	53.1	40.9	61.3

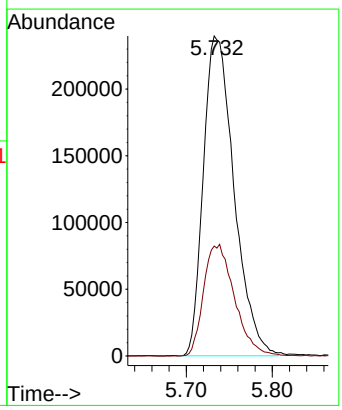


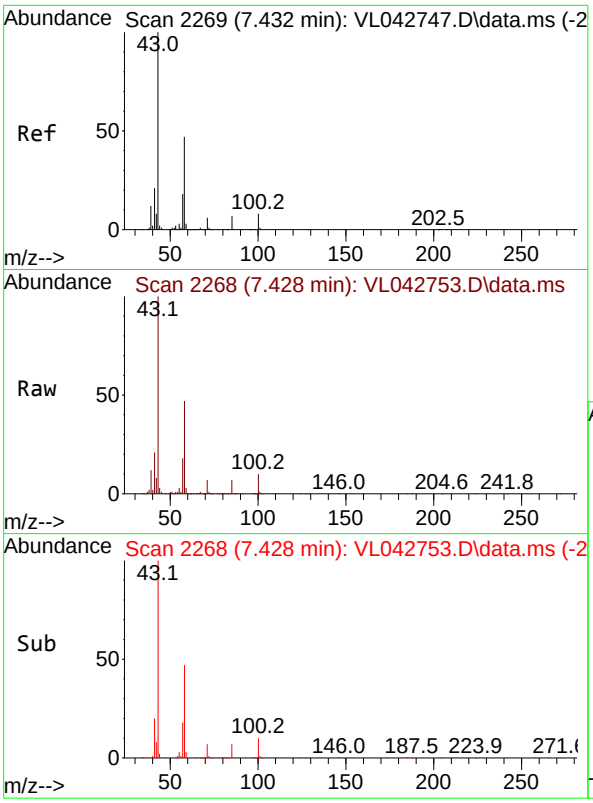


#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 594973

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.8



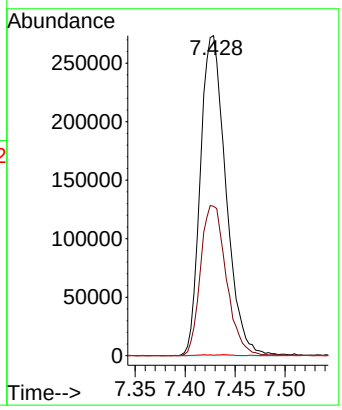


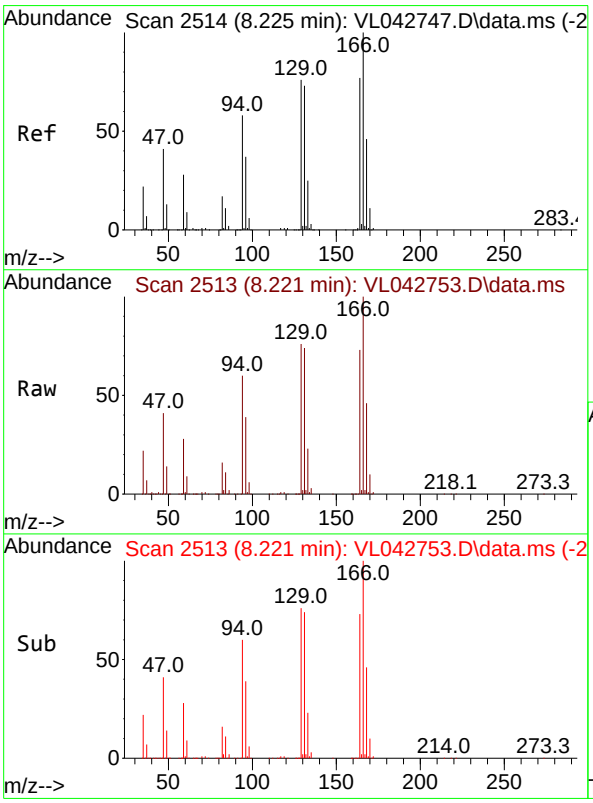
#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 485325

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.4	0.2	0.4#

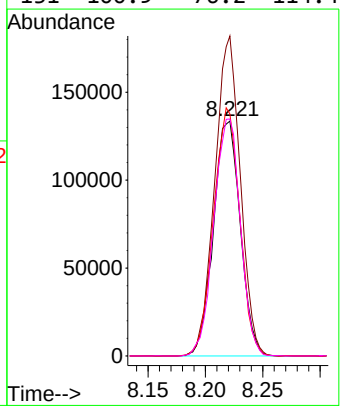


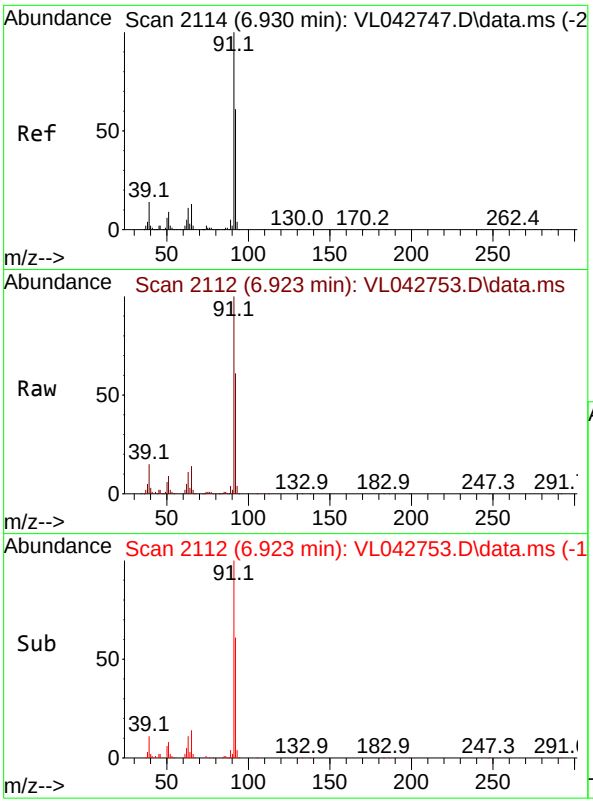


#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:164 Resp: 217184

Ion	Ratio	Lower	Upper
164	100		
166	136.3	104.0	156.0
129	103.1	79.2	118.8
131	100.9	76.2	114.4



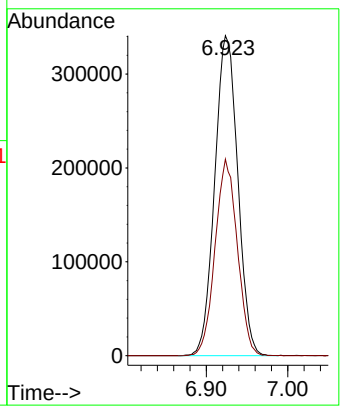


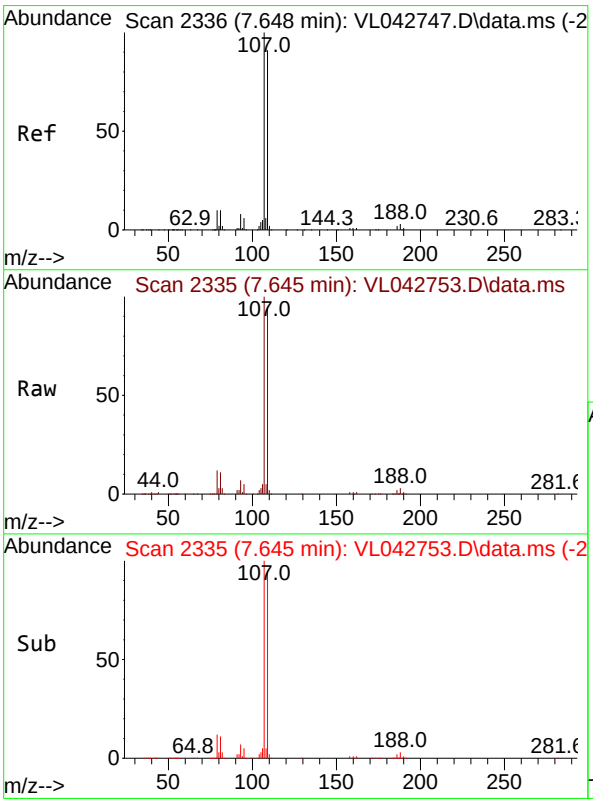
#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 670142

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0

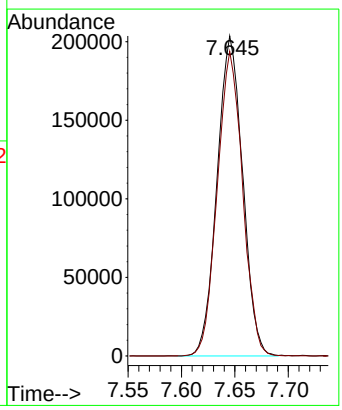


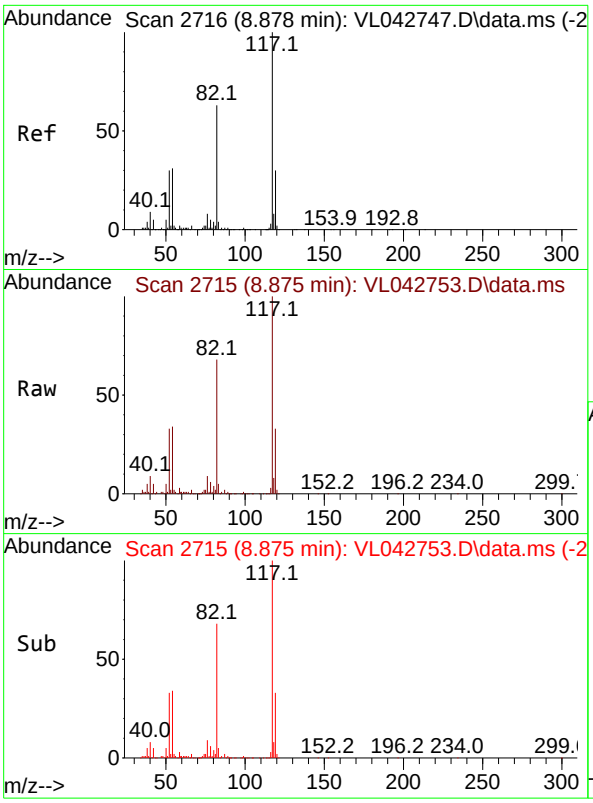


#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:107 Resp: 338867

Ion	Ratio	Lower	Upper
107	100		
109	95.1	72.7	109.1



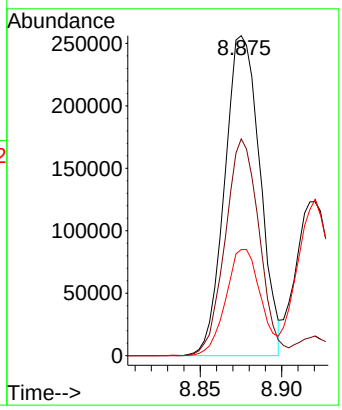


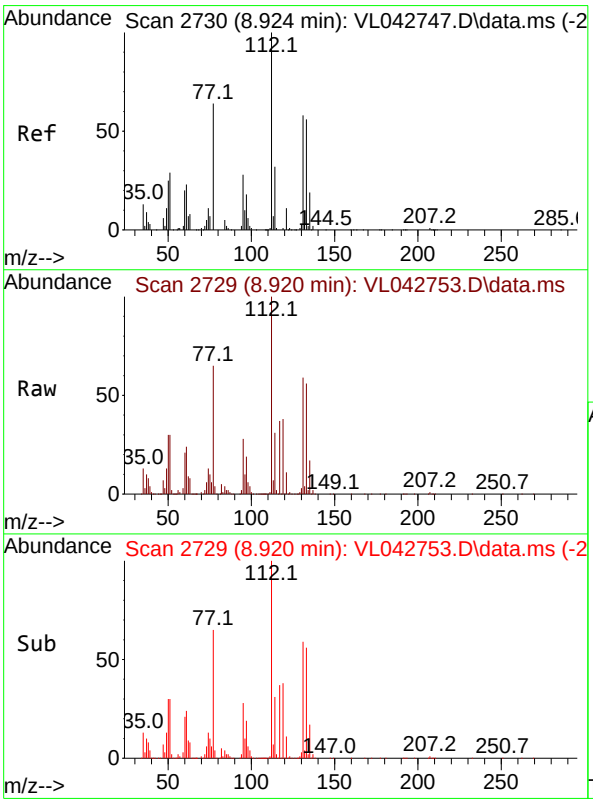
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 385223

Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.3	79.9
119	32.3	25.8	38.6

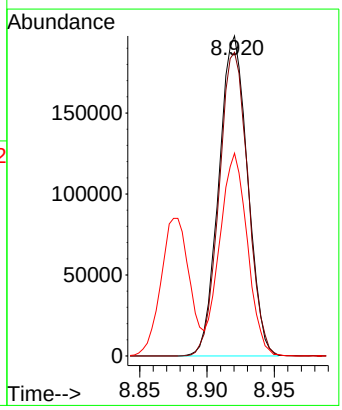


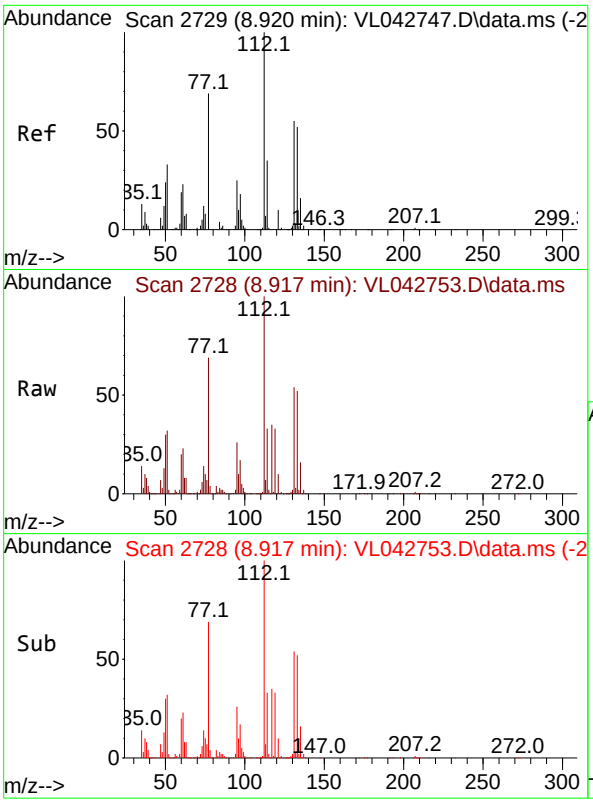


#56
1,1,1,2-Tetrachloroethane
Concen: 14.648 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:131 Resp: 293384

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.8	115.2
119	60.7	49.7	74.5



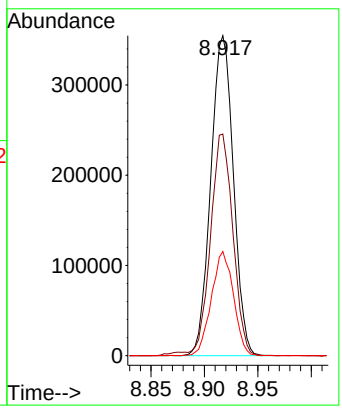


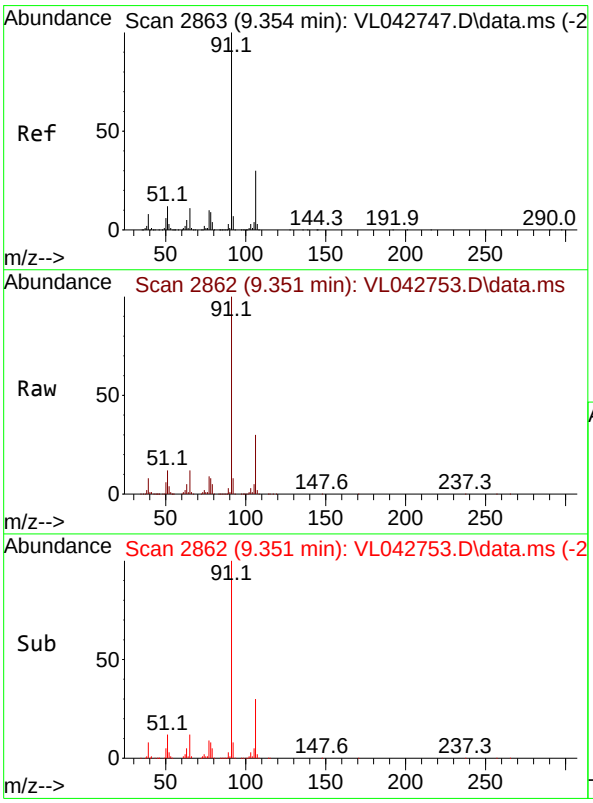
#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 522894

Ion	Ratio	Lower	Upper
112	100		
77	69.2	56.4	84.6
114	32.6	31.2	38.2

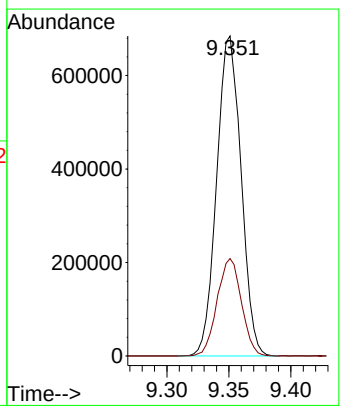


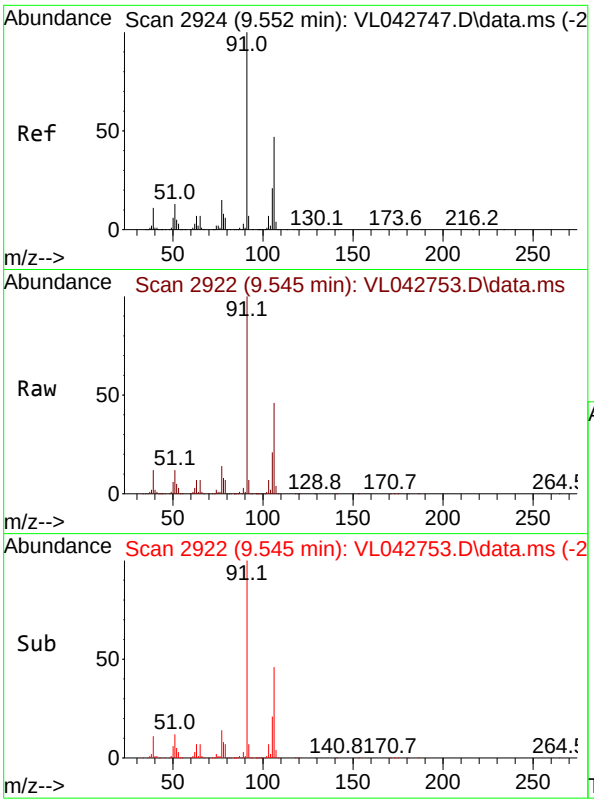


#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 940159

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



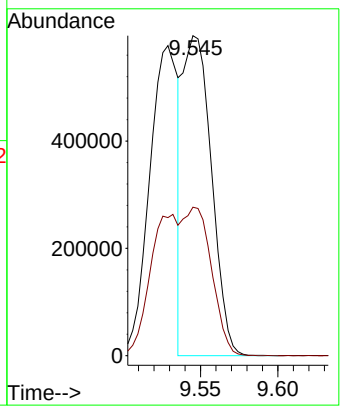


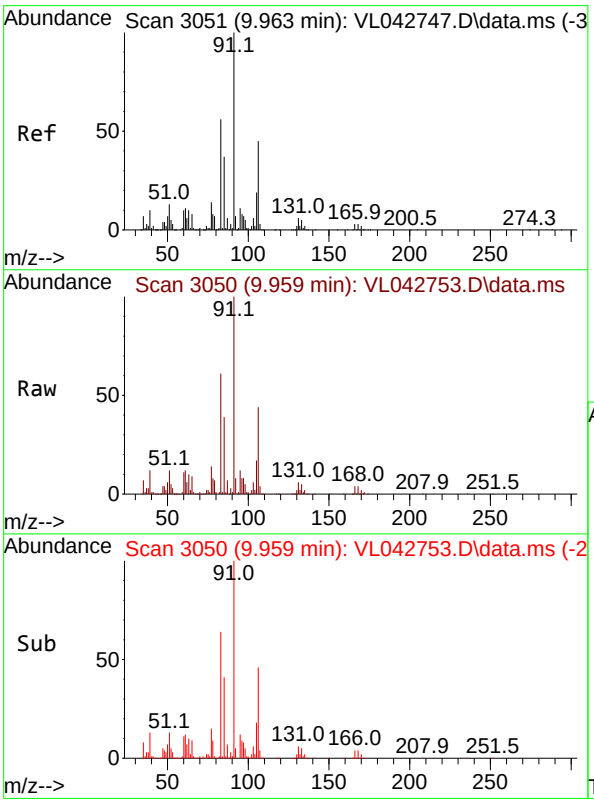
#59
m/p-Xylene
Concen: 15.756 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 766284

Ion	Ratio	Lower	Upper
91	100		
106	91.0	37.4	56.2#

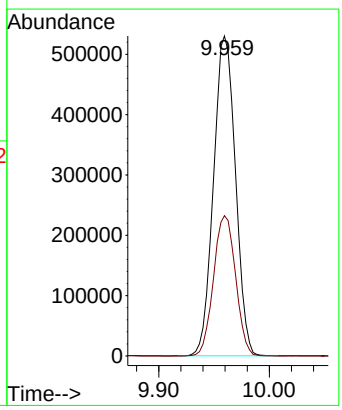


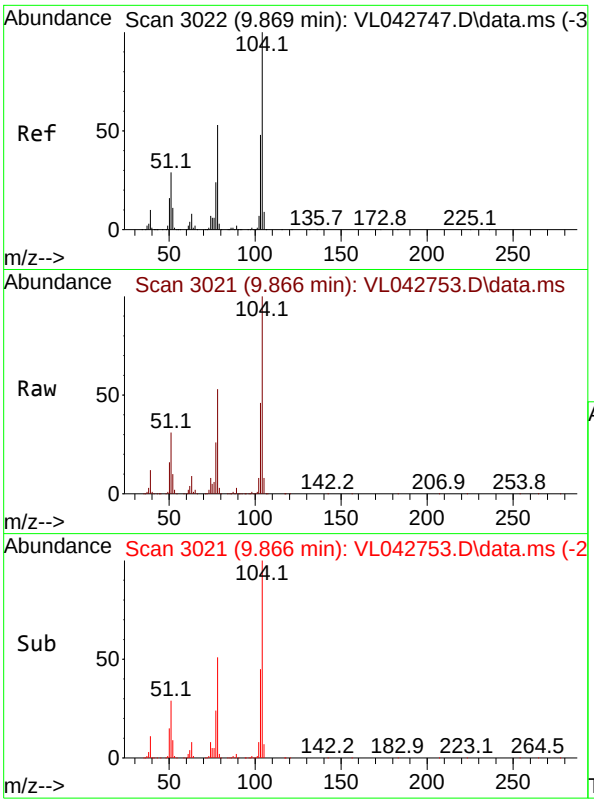


#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 730161

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.0	66.0



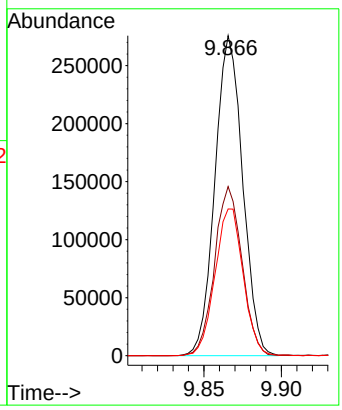


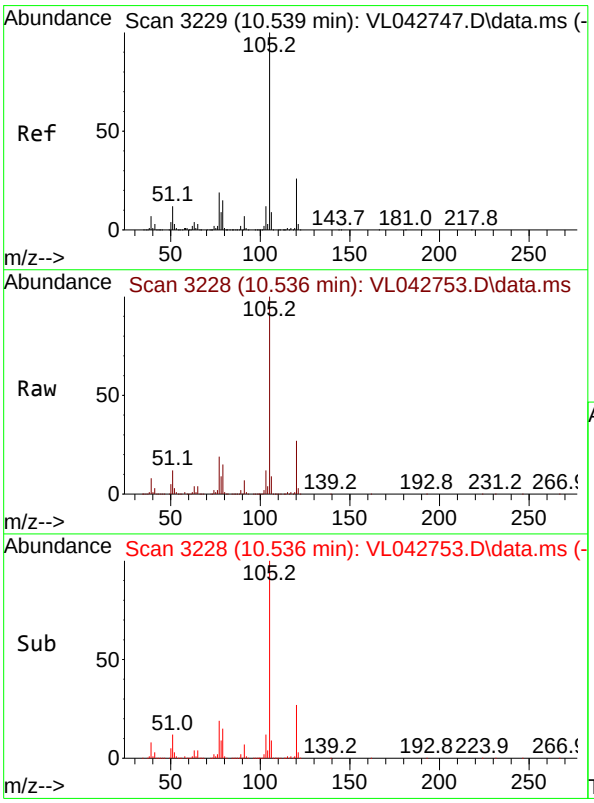
#61
Styrene
Concen: 16.805 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 343429

Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.5	62.3
103	46.9	37.5	56.3

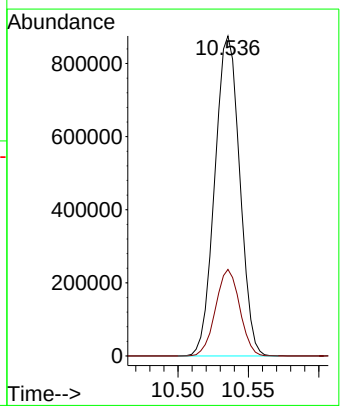


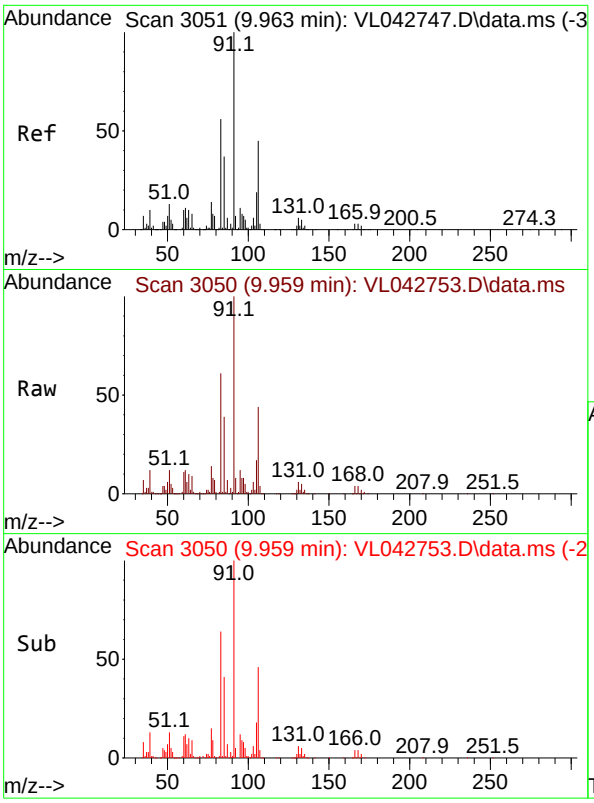


#62
Isopropylbenzene
Concen: 15.049 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 1078393

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7



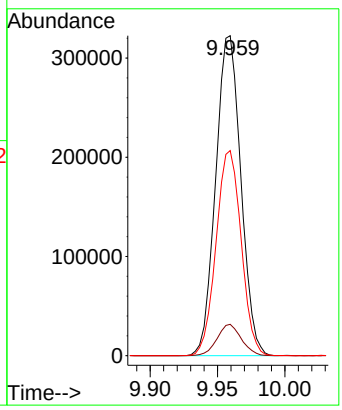


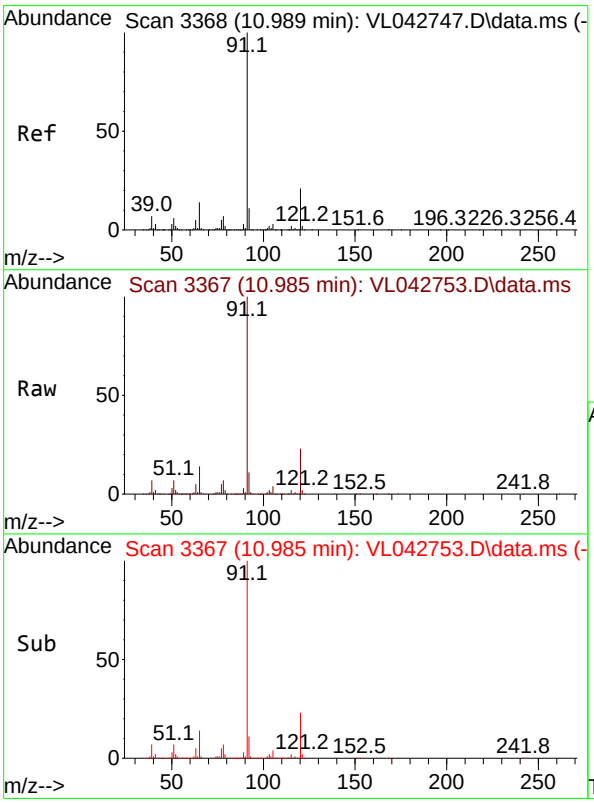
#63
1,1,2,2-Tetrachloroethane
Concen: 13.261 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 419734

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.8	32.6	97.7

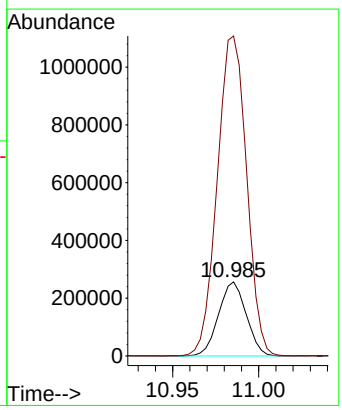


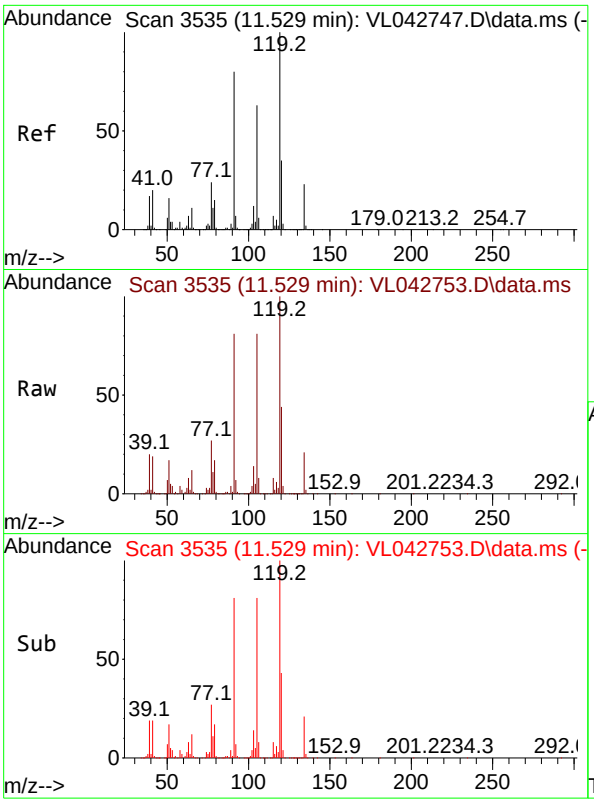


#64
n-propylbenzene
Concen: 15.348 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:120 Resp: 286724

Ion	Ratio	Lower	Upper
120	100		
91	458.1	372.7	559.1



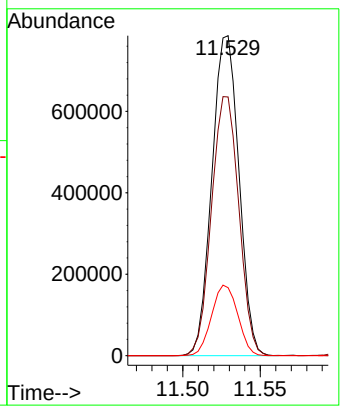


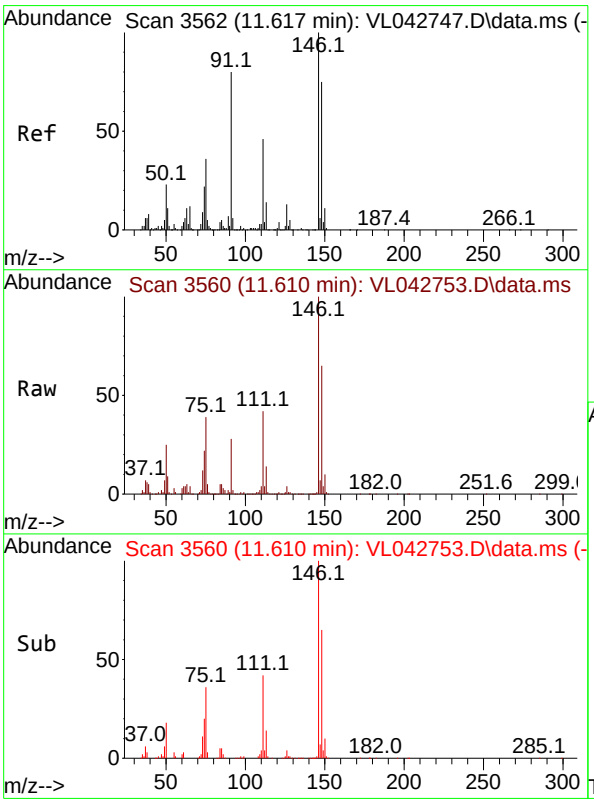
#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 954459

Ion	Ratio	Lower	Upper
119	100		
91	81.9	64.0	96.0
134	21.4	17.3	25.9

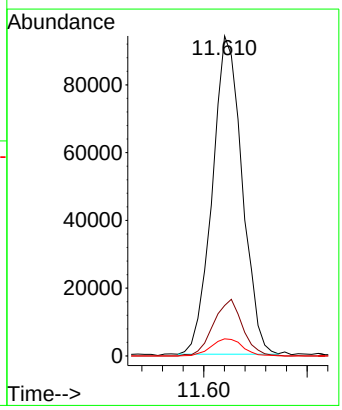


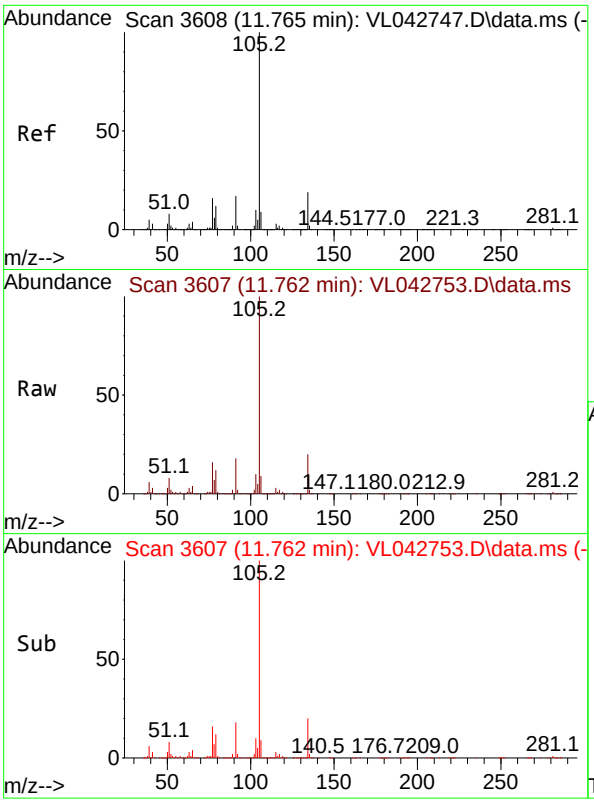


#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 94218

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.7	5.2	7.8



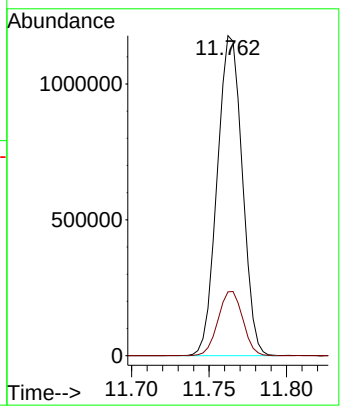


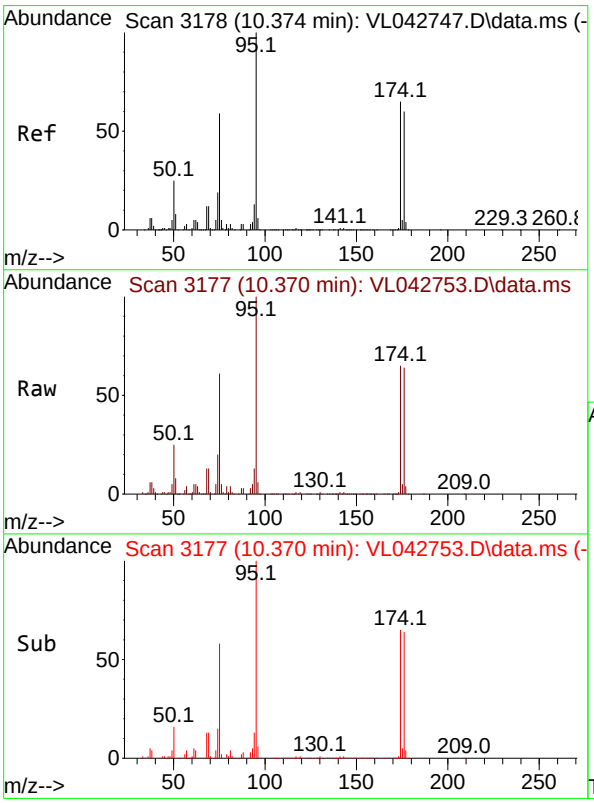
#67
sec-Butylbenzene
Concen: 14.662 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1327393

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

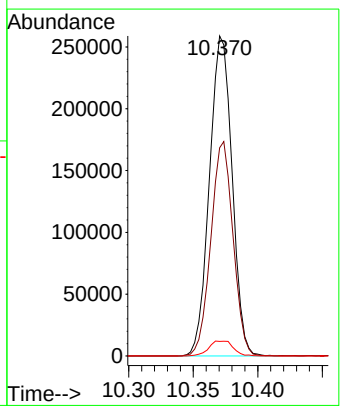


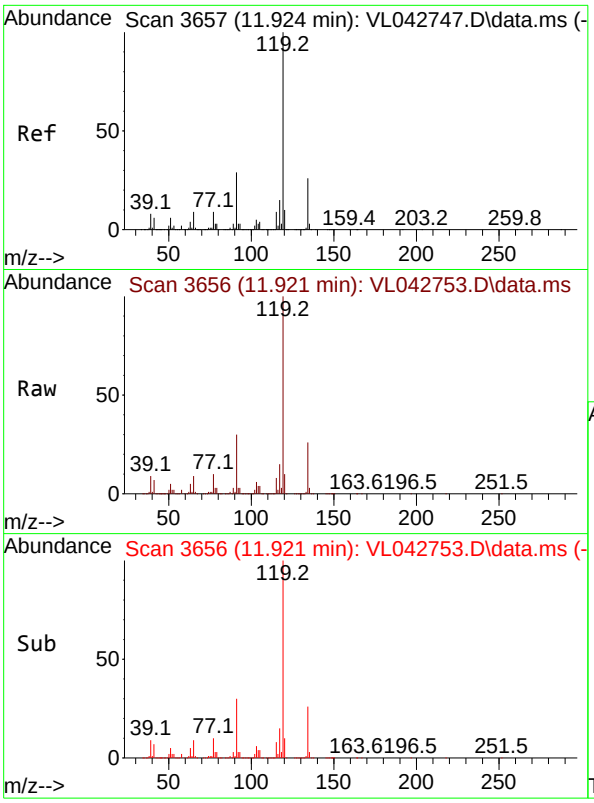


#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 95 Resp: 315293

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	5.0	4.0	6.0



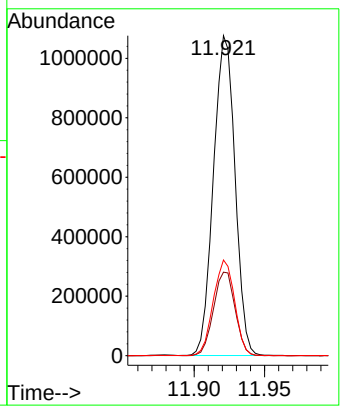


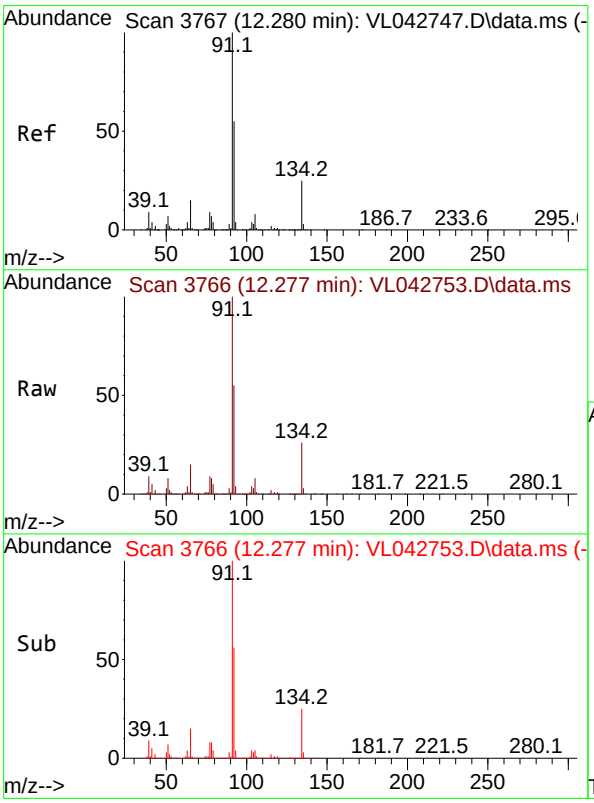
#69
p-Isopropyltoluene
Concen: 15.571 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 1149418

Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	29.6	23.2	34.8

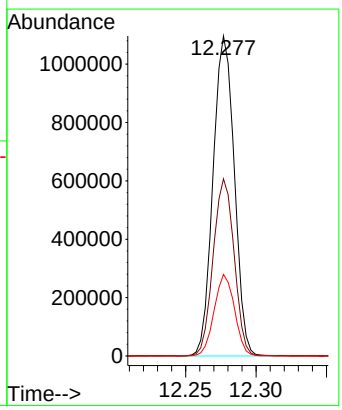


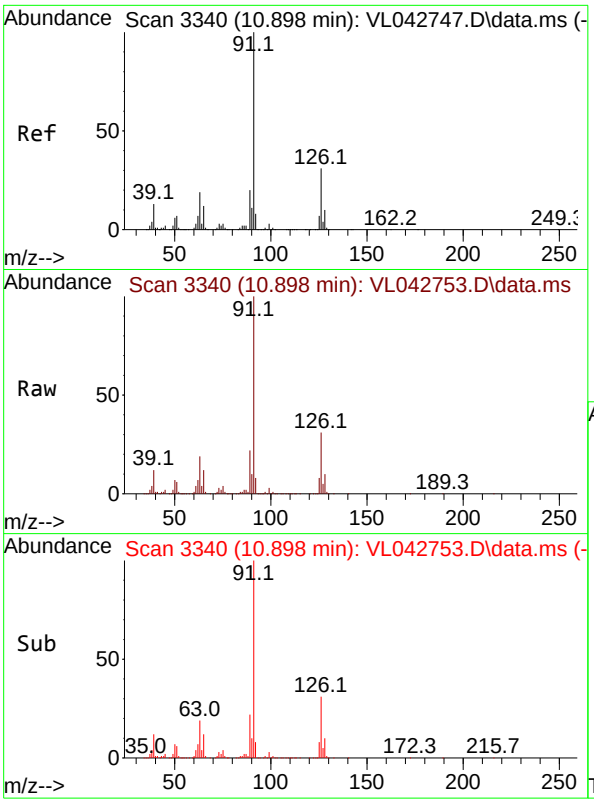


#70
n-Butylbenzene
Concen: 16.159 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 1152207

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.4	65.2
134	24.5	19.6	29.4



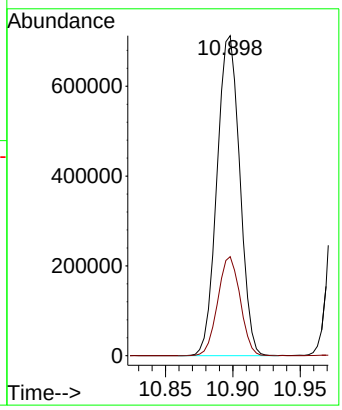


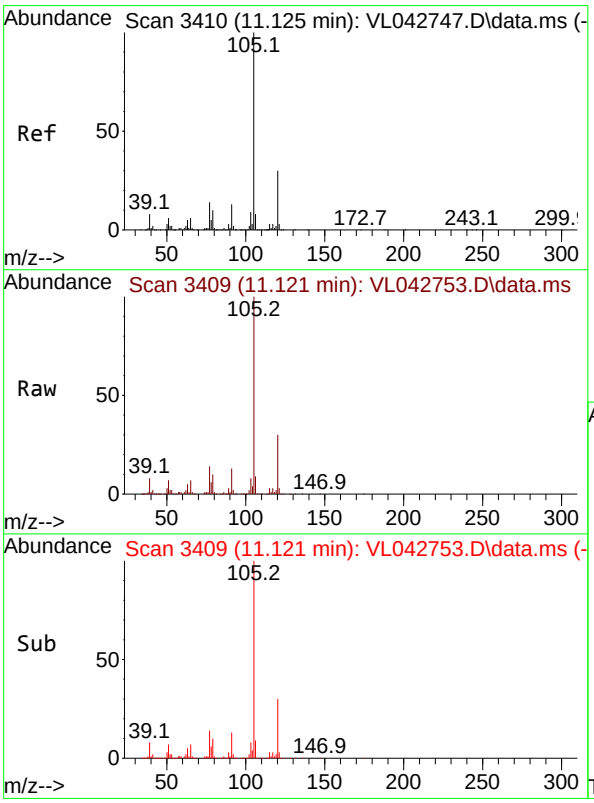
#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 838335

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.0	48.2

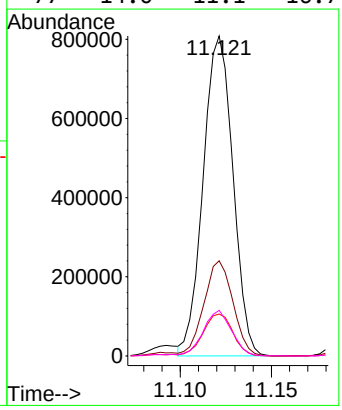


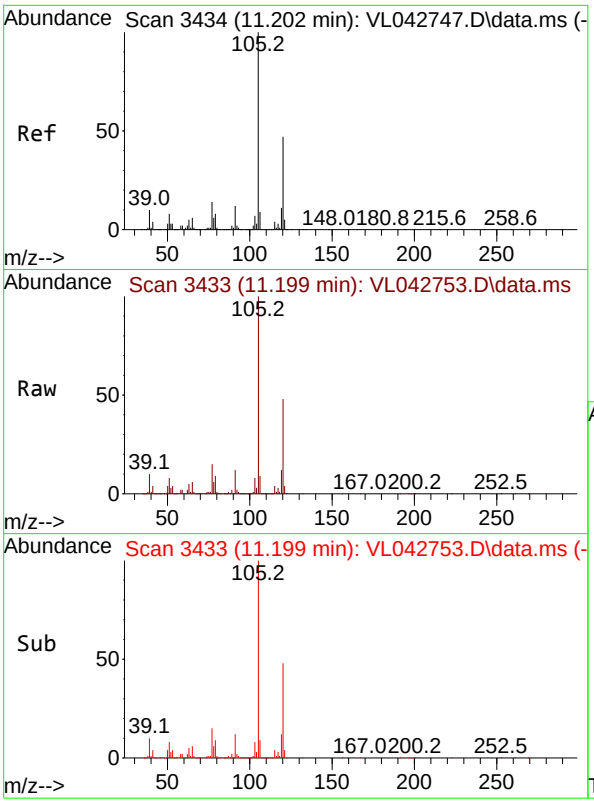


#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 918453

Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.4	36.6
91	13.5	10.6	15.8
77	14.0	11.1	16.7



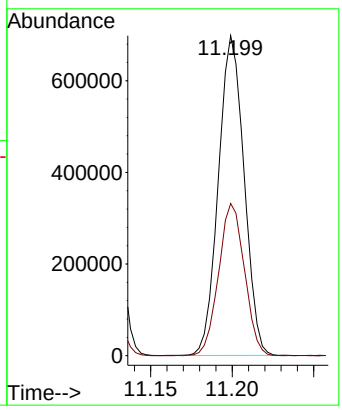


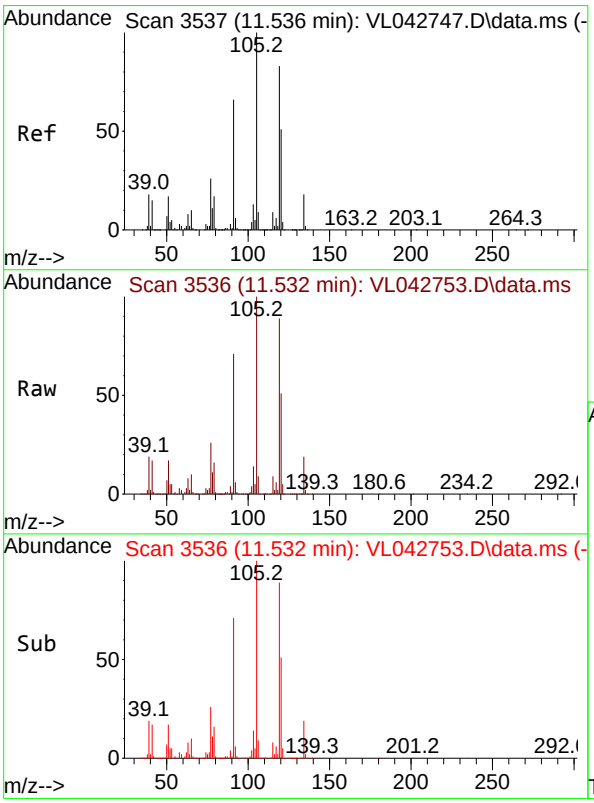
#73
1,3,5-Trimethylbenzene
Concen: 15.977 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 763212

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8

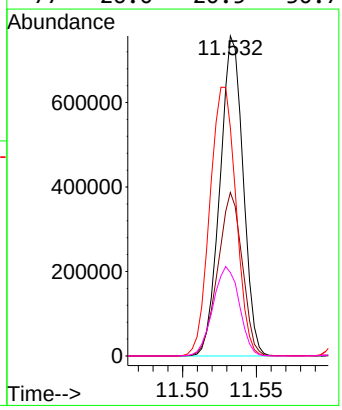


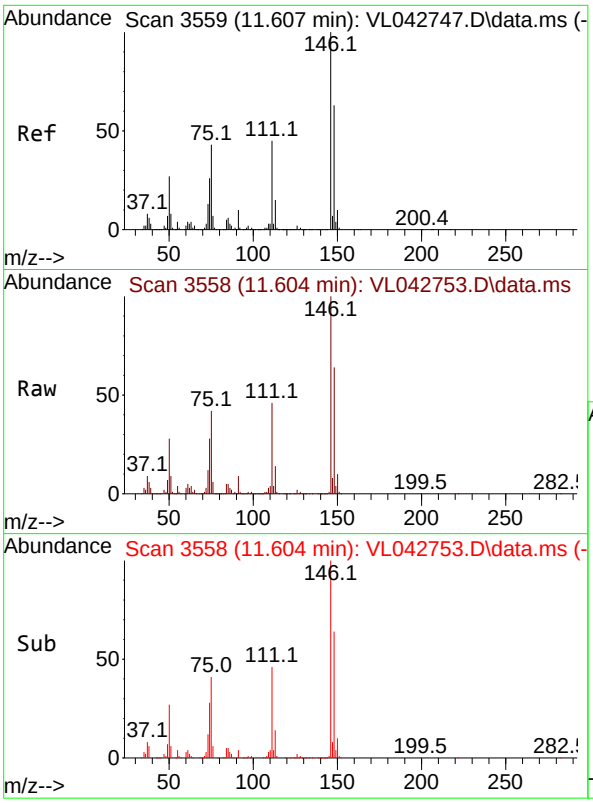


#74
1,2,4-Trimethylbenzene
Concen: 15.873 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

Ion	Ratio	Lower	Upper
105	100		
120	51.1	40.8	61.2
91	71.2	53.0	79.4
77	26.0	20.5	30.7



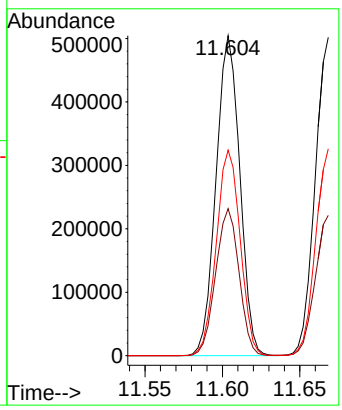


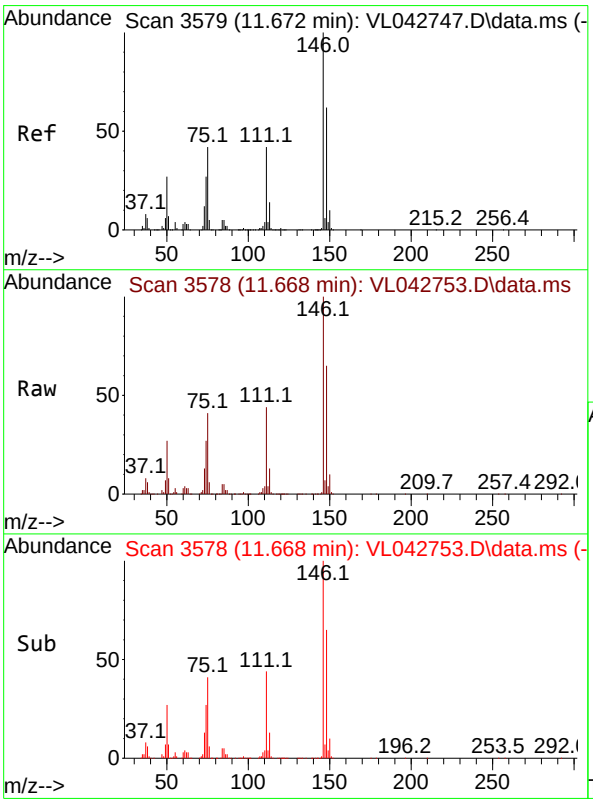
#75
1,3-Dichlorobenzene
Concen: 14.761 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 539284

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	64.6	31.9	95.5

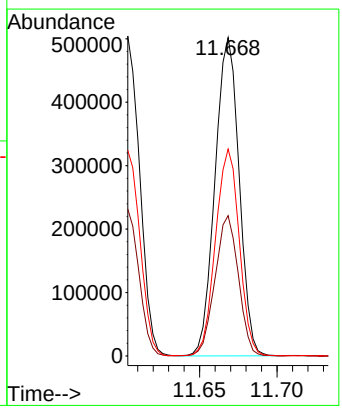


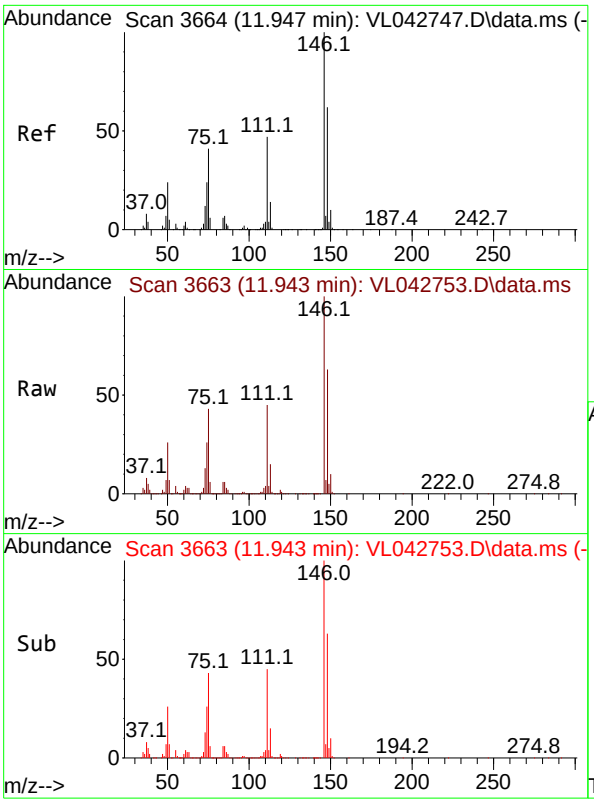


#76
1,4-Dichlorobenzene
Concen: 15.188 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 542998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	64.3	32.1	96.3



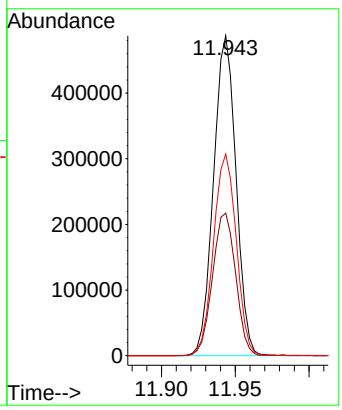


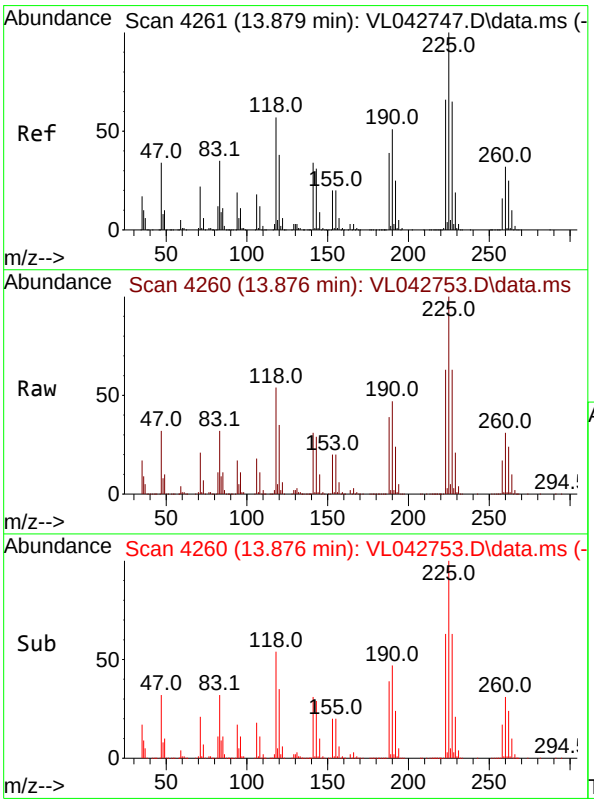
#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 516714

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.0	32.6	97.7

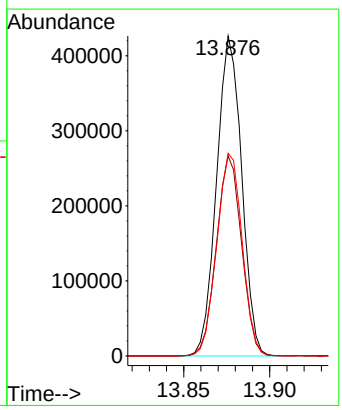


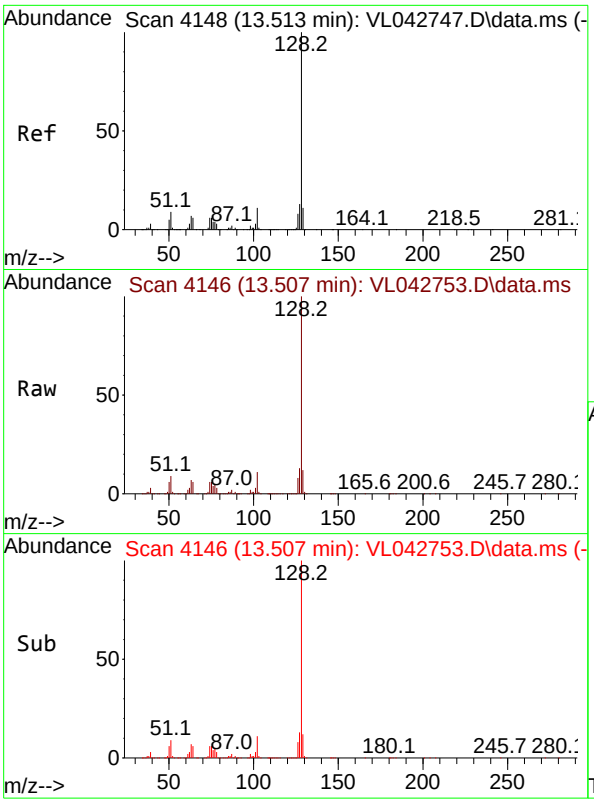


#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:225 Resp: 432138

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	64.3	50.5	75.7



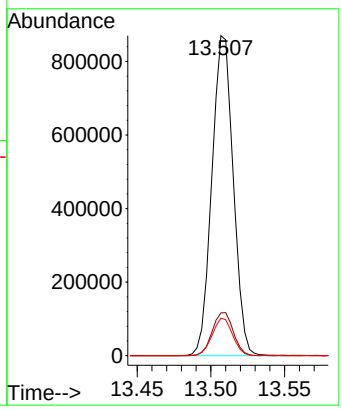


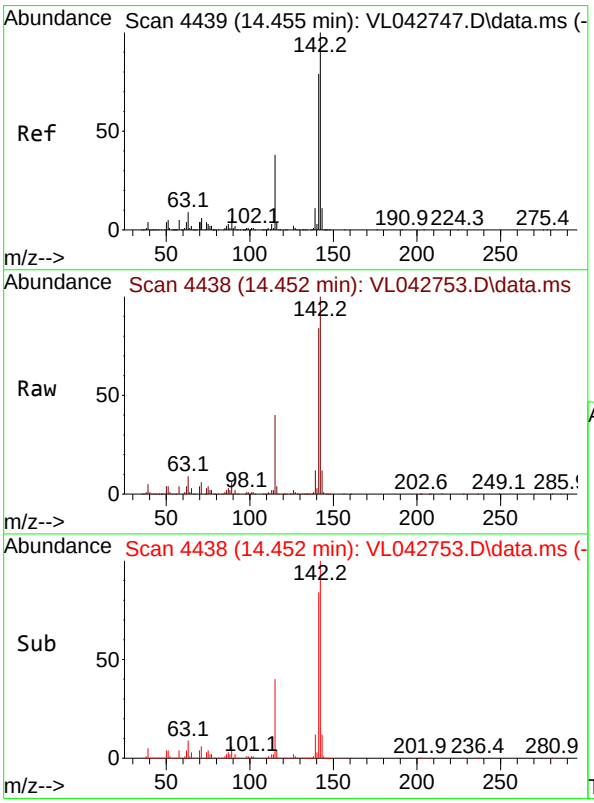
#79
Naphthalene
Concen: 15.265 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 876734

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.7	8.6	13.0

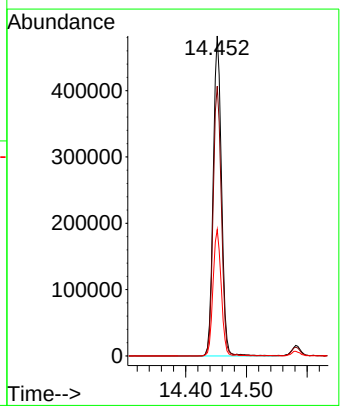


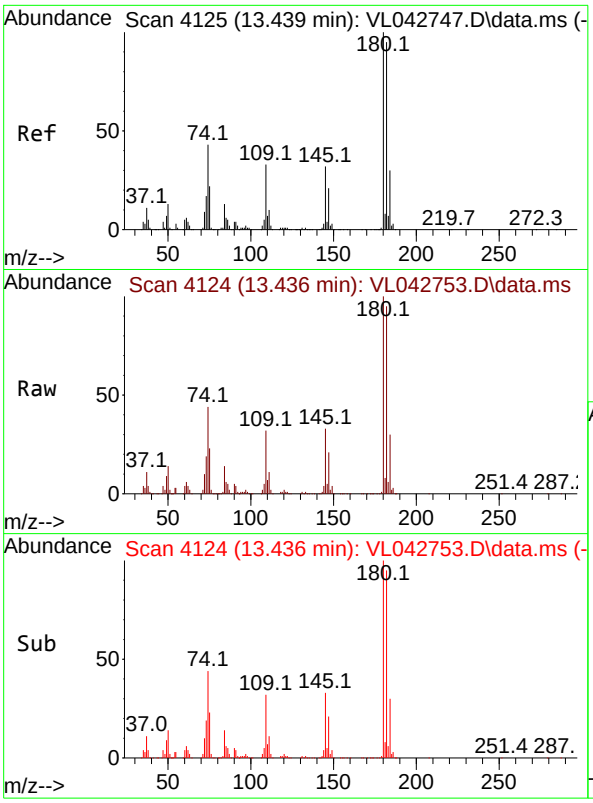


#80
Naphthalene,2-methyl-
Concen: 15.438 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:142 Resp: 456529

Ion	Ratio	Lower	Upper
142	100		
141	84.4	65.8	98.8
115	39.2	31.2	46.8



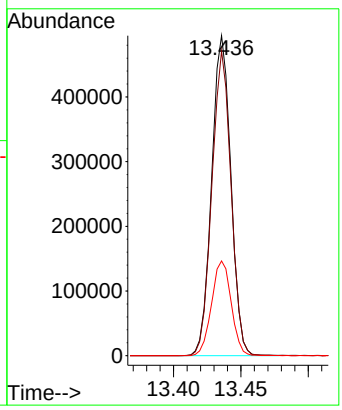


#81
1,2,4-Trichlorobenzene
Concen: 15.200 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 490575

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.3	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	152358	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.953	114	438604	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	393042	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	298283	9.583	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	2439	0.121	ppbv		90
3) Chlorodifluoromethane	1.609	51	1060	0.040	ppbv		99
4) Chloromethane	1.532	50	1066	0.131	ppbv		99
5) Vinyl Chloride	1.583	62	837	0.104	ppbv	#	60
6) Bromomethane	1.667	94	438	0.141	ppbv		82
7) Chloroethane	1.706	64	526	0.169	ppbv		98
8) Dichlorotetrafluoroethane	1.554	85	1725	0.104	ppbv		97
9) Propene	1.486	41	1118	0.117	ppbv	#	68
10) Heptane	4.975	43	817	0.032	ppbv	#	27
11) Trichlorofluoromethane	1.878	101	2050	0.099	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.140	101	1772	0.112	ppbv		96
13) Ethanol	1.891	45	1804	1.545	ppbv		74
14) Bromoethene	1.781	108	778	0.139	ppbv	#	54
15) Acetone	1.836	43	3734	0.177	ppbv		95
16) 1,3-Butadiene	1.609	39	976	0.109	ppbv	#	41
17) tert-Butyl alcohol	2.040	59	2194	0.116	ppbv	#	79
18) 1,1-Dichloroethene	2.036	96	899	0.126	ppbv	#	56
19) Isopropyl Alcohol	1.891	45	1804	0.161	ppbv	#	59
20) Methylene Chloride	2.062	84	2080	0.314	ppbv	#	77
21) Allyl Chloride	2.098	41	1747	0.135	ppbv	#	54
22) trans-1,2-Dichloroethene	2.337	96	1116	0.146	ppbv	#	63
23) Vinyl Acetate	2.457	43	3460	0.136	ppbv	#	61
24) 1,1-Dichloroethane	2.409	63	1620	0.103	ppbv	#	90
25) Ethyl Acetate	2.833	43	1813	0.039	ppbv	#	67
26) Hexane	2.823	57	1982	0.097	ppbv	#	76
27) Carbon Disulfide	2.146	76	1789	0.102	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	1378	0.143	ppbv	#	60
29) Chloroform	2.412	83	101	0.003	ppbv		97
30) Cyclohexane	3.852	84	516	0.030	ppbv	#	1
31) cis-1,2-Dichloroethene	2.716	61	2152	0.103	ppbv	#	87
32) 1,1,1-Trichloroethane	3.363	97	3550	0.108	ppbv		96
34) 2-Butanone	2.564	43	4086	0.132	ppbv		95
35) Carbon Tetrachloride	3.768	117	796	0.024	ppbv		96
36) Benzene	3.658	78	1246	0.030	ppbv		96
37) 1,2-Dichloroethane	3.218	62	1114	0.044	ppbv	#	57
38) Trichloroethene	4.538	130	333	0.017	ppbv	#	29
39) 1,2-Dichloropropane	3.956	63	113176	7.376	ppbv	#	21
40) 1,4-Dioxane	4.603	88	294	0.041	ppbv	#	39
41) Tetrahydrofuran	3.050	42	83	0.005	ppbv	#	38
42) Bromodichloromethane	4.483	83	1563	0.048	ppbv	#	84
43) Methyl Methacrylate	4.865	69	298	0.020	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.639	57	1109	0.016	ppbv	#	1
45) t-1,3-Dichloropropene	6.412	75	912	0.055	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

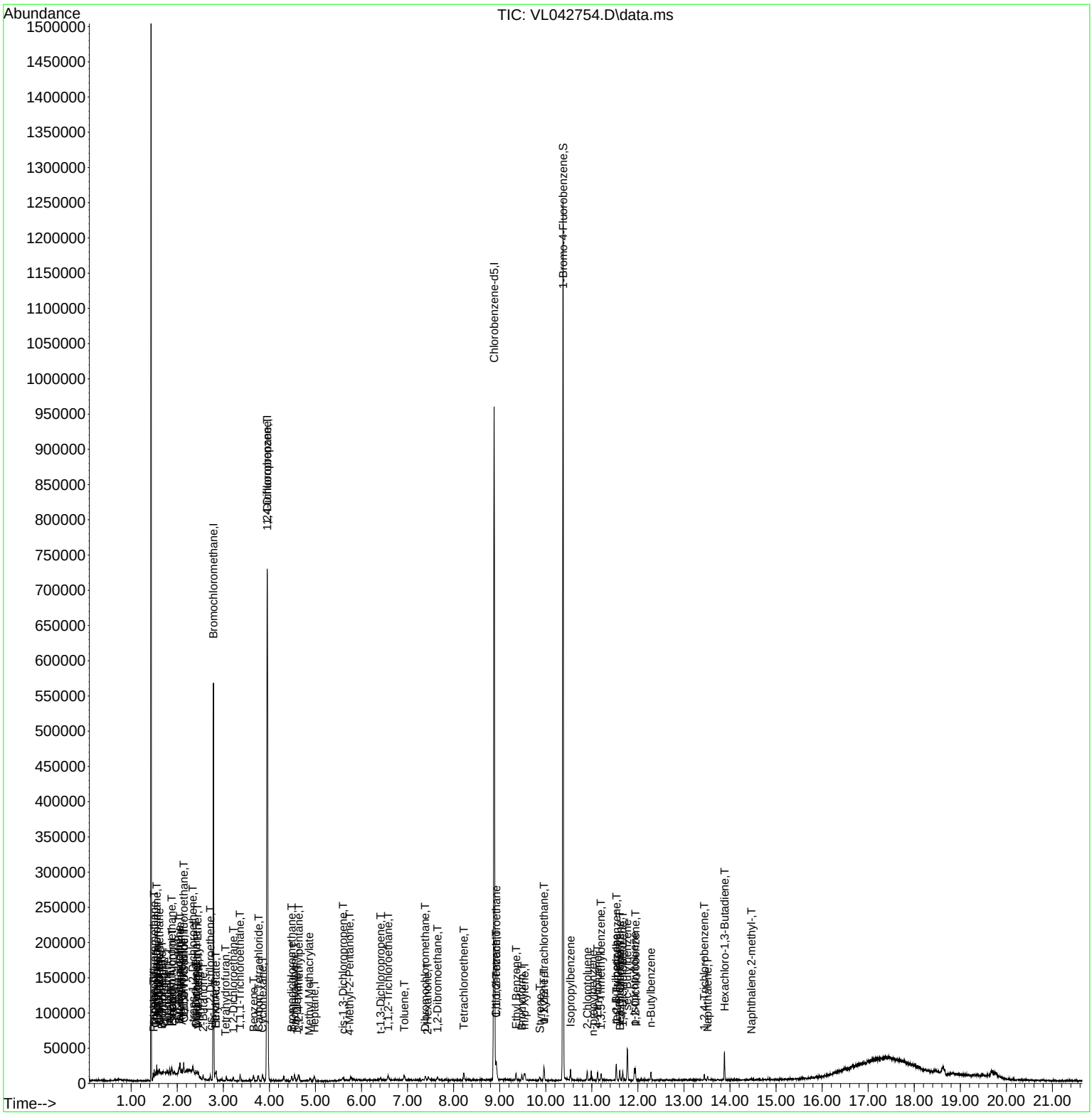
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	1232	0.059	ppbv	#	42
47) 1,1,2-Trichloroethane	6.577	97	787	0.048	ppbv	#	55
48) Dibromochloromethane	7.380	129	1591	0.061	ppbv	#	21
49) Bromoform	9.477	173	1201	0.053	ppbv	#	29
50) 4-Methyl-2-Pentanone	5.739	43	126	0.003	ppbv	#	40
51) 2-Hexanone	7.435	43	436	0.014	ppbv	#	30
52) Tetrachloroethene	8.222	164	981	0.057	ppbv	#	62
53) Toluene	6.930	91	1198	0.027	ppbv	#	1
54) 1,2-Dibromoethane	7.649	107	1080	0.047	ppbv	#	52
56) 1,1,1,2-Tetrachloroethane	8.927	131	922	0.045	ppbv	#	1
57) Chlorobenzene	8.921	112	4337	0.114	ppbv	#	88
58) Ethyl Benzene	9.358	91	2183	0.035	ppbv		100
59) m/p-Xylene	9.539	91	5405	0.109	ppbv	#	60
60) o-Xylene	9.963	91	2101	0.042	ppbv	#	53
61) Styrene	9.872	104	807	0.039	ppbv	#	29
62) Isopropylbenzene	10.536	105	5985	0.082	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.963	83	1989	0.062	ppbv	#	49
64) n-propylbenzene	11.025	120	48	0.003	ppbv		74
65) tert-Butylbenzene	11.523	119	4707	0.072	ppbv		91
66) Benzyl Chloride	11.614	91	204	0.038	ppbv	#	78
67) sec-Butylbenzene	11.766	105	6449	0.070	ppbv	#	90
69) p-Isopropyltoluene	11.924	119	5342	0.071	ppbv		93
70) n-Butylbenzene	12.284	91	4198	0.058	ppbv		94
71) 2-Chlorotoluene	10.905	91	4180	0.075	ppbv		77
72) 4-Ethyltoluene	11.125	105	3597	0.061	ppbv	#	82
73) 1,3,5-Trimethylbenzene	11.199	105	3603	0.074	ppbv	#	70
74) 1,2,4-Trimethylbenzene	11.536	105	3826	0.072	ppbv	#	90
75) 1,3-Dichlorobenzene	11.607	146	2417	0.065	ppbv	#	67
76) 1,4-Dichlorobenzene	11.672	146	3265	0.090	ppbv		95
77) 1,2-Dichlorobenzene	11.947	146	3354	0.092	ppbv		96
78) Hexachloro-1,3-Butadiene	13.883	225	4077	0.123	ppbv		97
79) Naphthalene	13.514	128	2509	0.475	ppbv	#	96
80) Naphthalene,2-methyl-	14.468	142	676	1.147	ppbv	#	70
81) 1,2,4-Trichlorobenzene	13.442	180	1396	0.475	ppbv	#	78

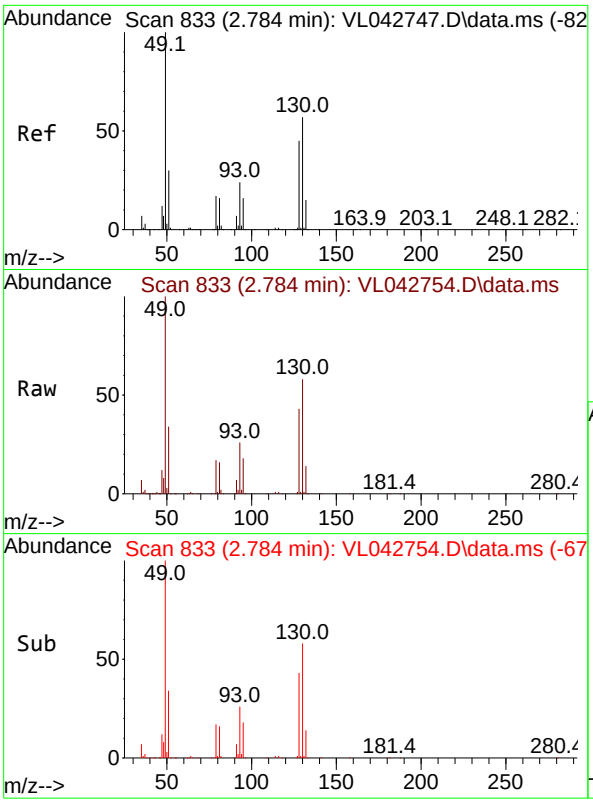
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



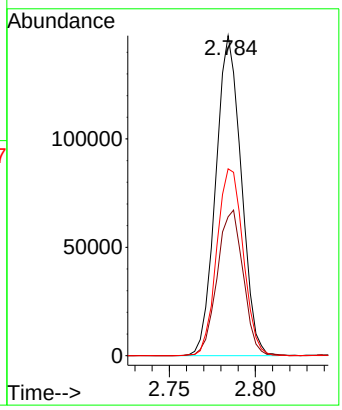


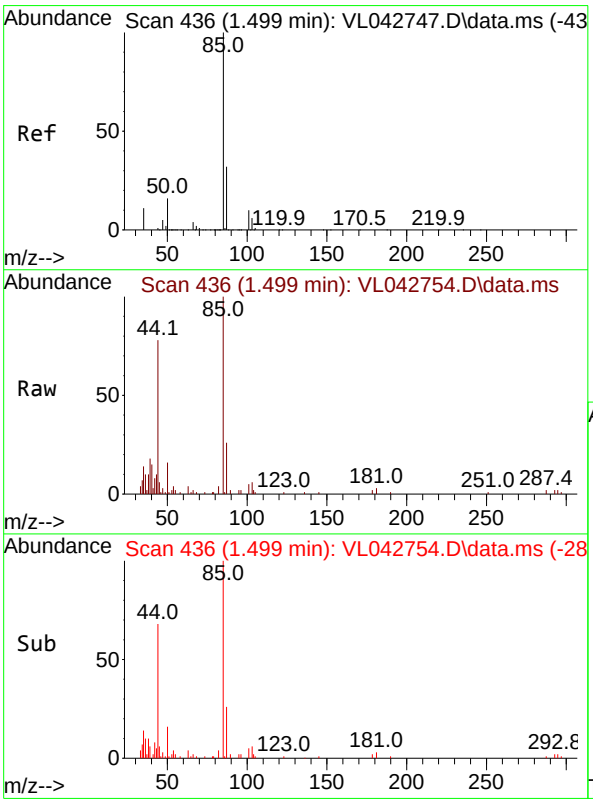
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 152358

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.6	30.3	90.8

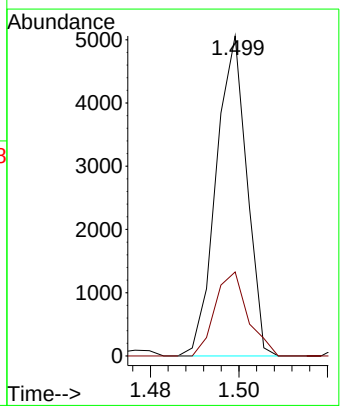


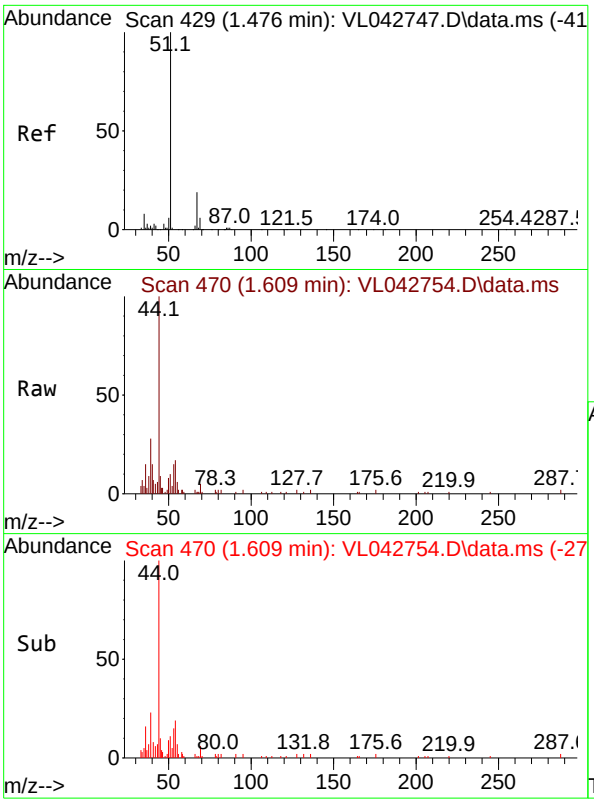


#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 2439

Ion	Ratio	Lower	Upper
85	100		
87	26.3	25.4	38.2



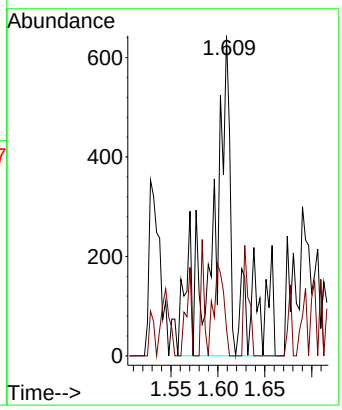


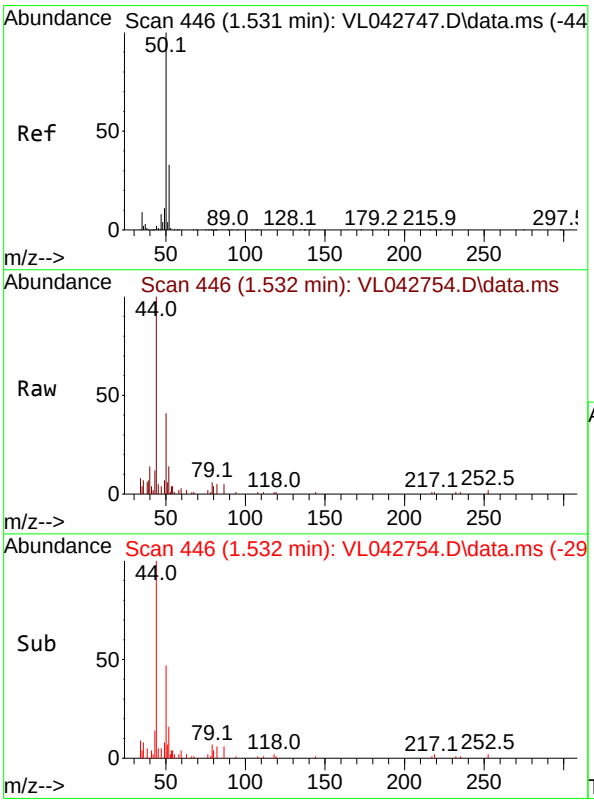
#3
Chlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.133 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 1060

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.6

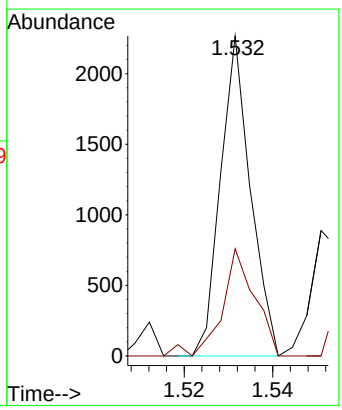


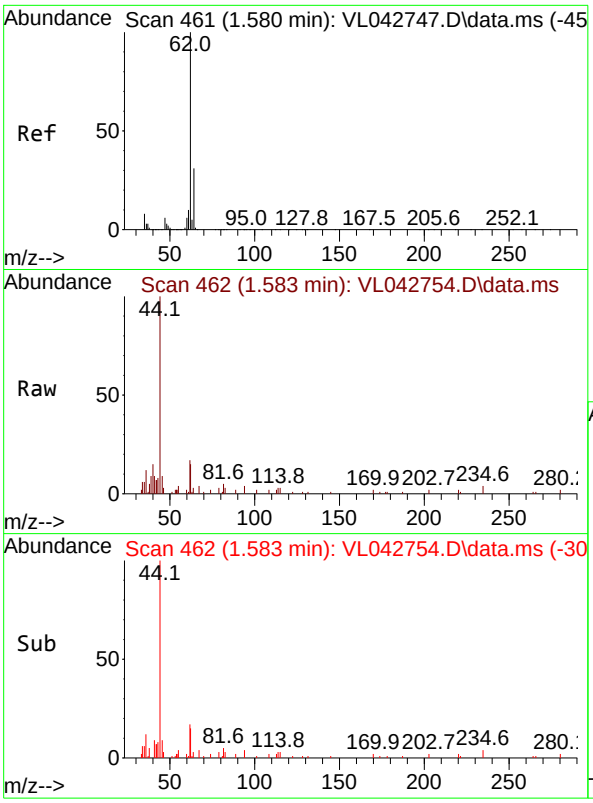


#4
Chloromethane
Concen: 0.131 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 50 Resp: 1066

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.6	40.0



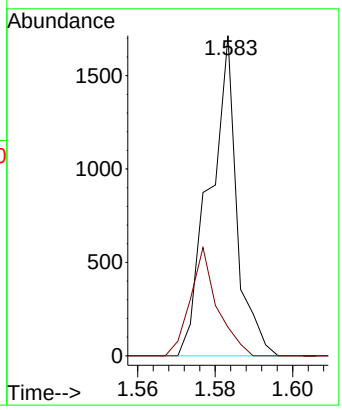


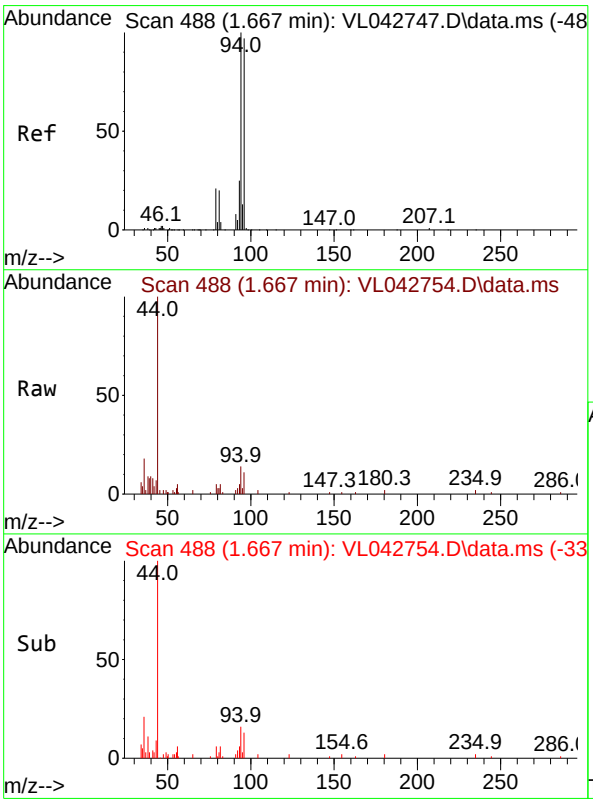
#5
Vinyl Chloride
Concen: 0.104 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 837

Ion	Ratio	Lower	Upper
62	100		
64	8.9	24.5	36.7#

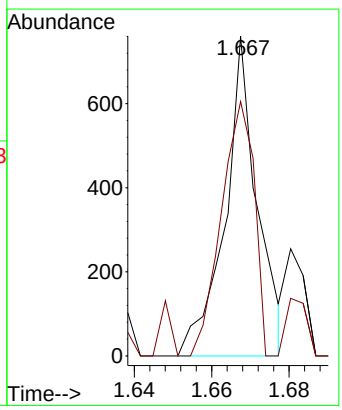


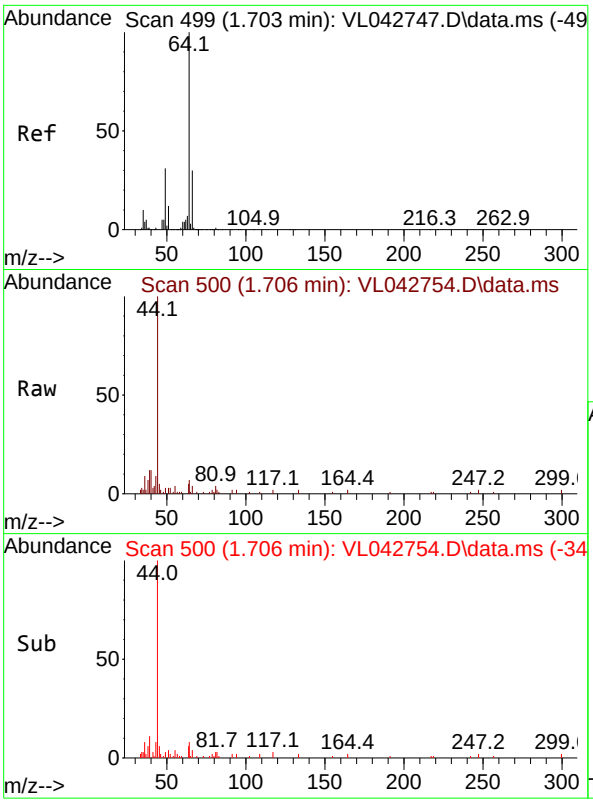


#6
Bromomethane
Concen: 0.141 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 94 Resp: 438

Ion	Ratio	Lower	Upper
94	100		
96	79.5	77.6	116.4



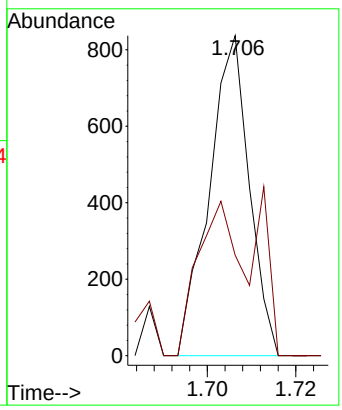


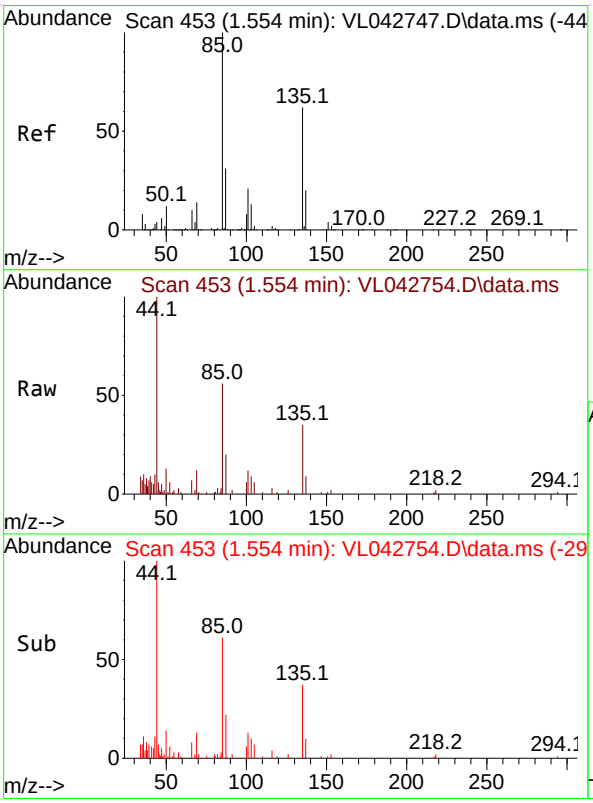
#7
Chloroethane
Concen: 0.169 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 526

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.1	36.1

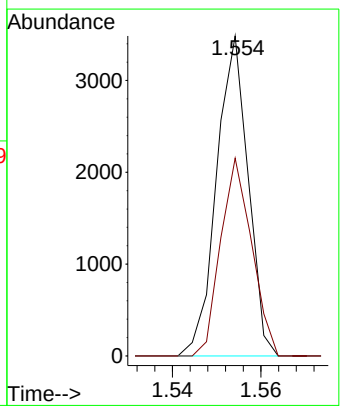


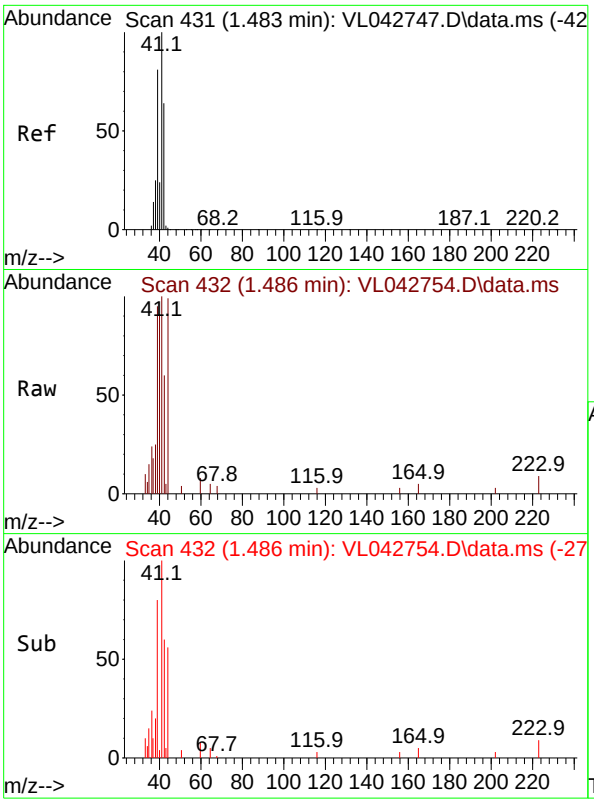


#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 1725

Ion	Ratio	Lower	Upper
85	100		
135	61.0	50.6	76.0



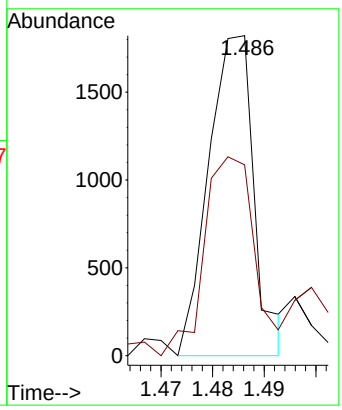


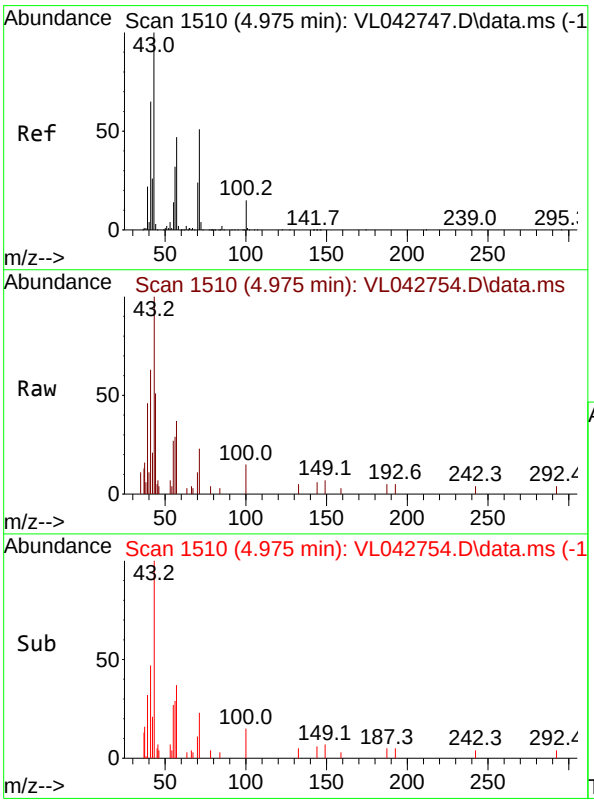
#9
Propene
Concen: 0.117 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1118

Ion	Ratio	Lower	Upper
41	100		
42	92.3	53.2	79.8#

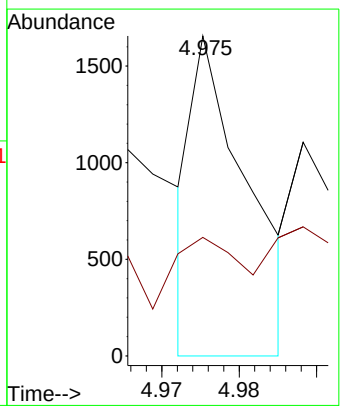


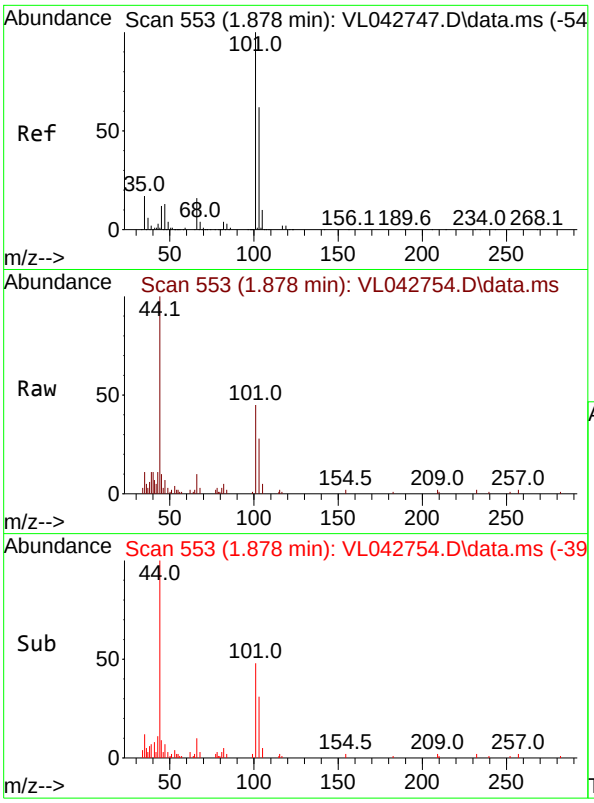


#10
Heptane
Concen: 0.032 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 817

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



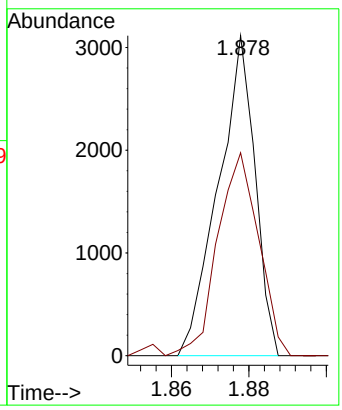


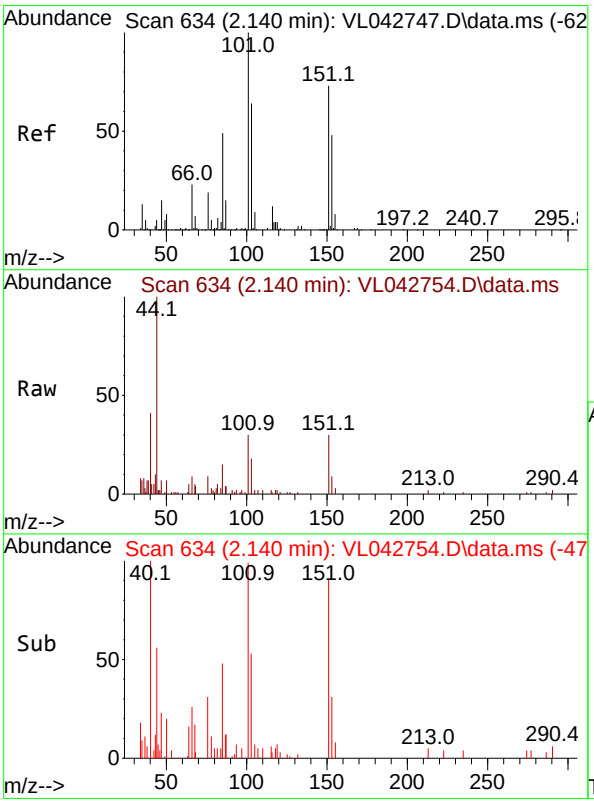
#11
Trichlorofluoromethane
Concen: 0.099 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 2050

Ion	Ratio	Lower	Upper
101	100		
103	61.8	49.6	74.4

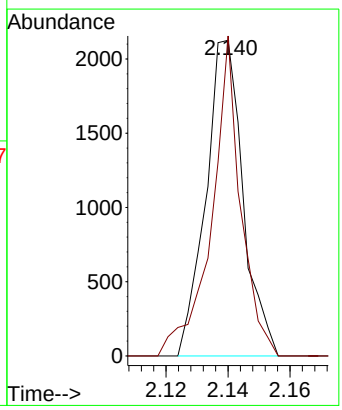


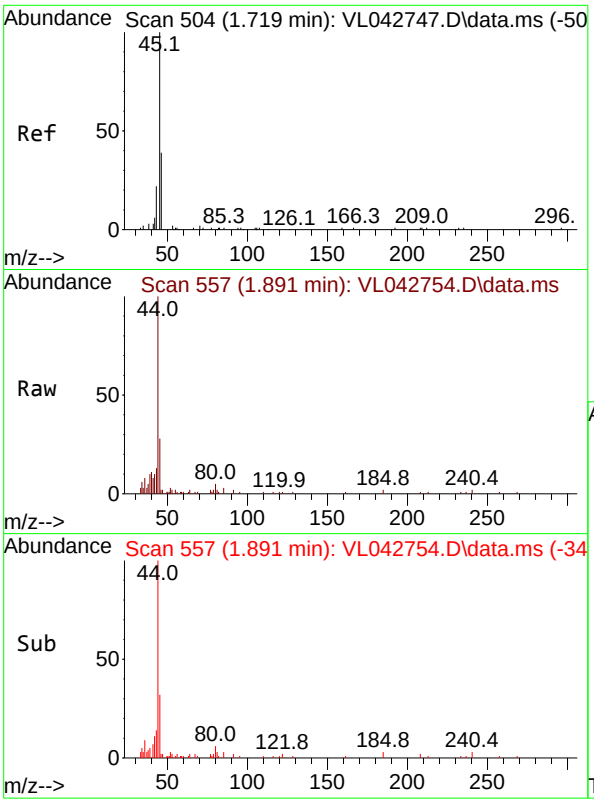


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.112 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:101 Resp: 1772

Ion	Ratio	Lower	Upper
101	100		
151	79.0	60.5	90.7



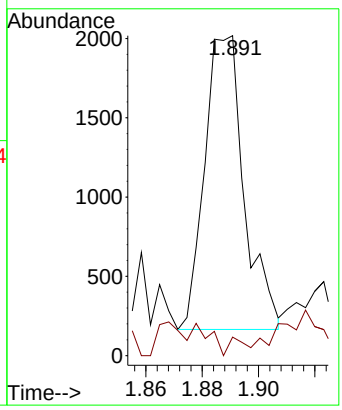


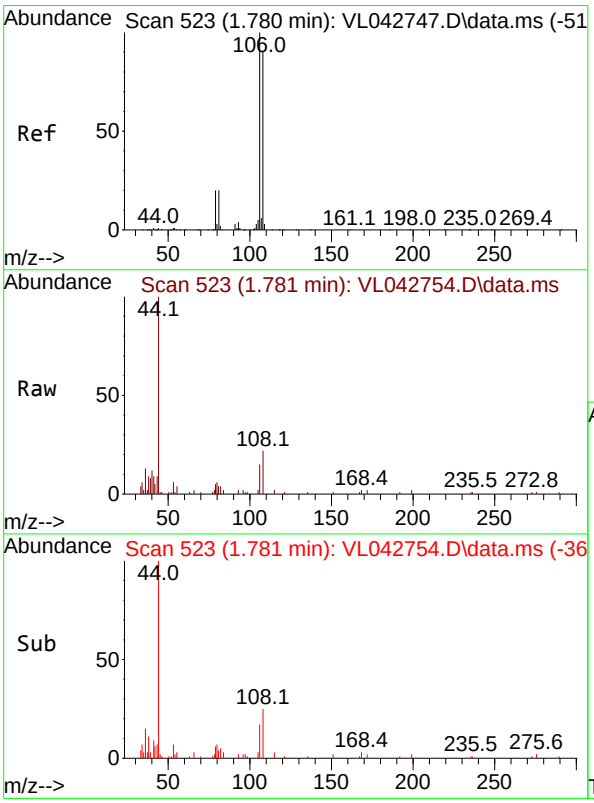
#13
Ethanol
Concen: 1.545 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.172 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
46	27.4	17.8	71.4

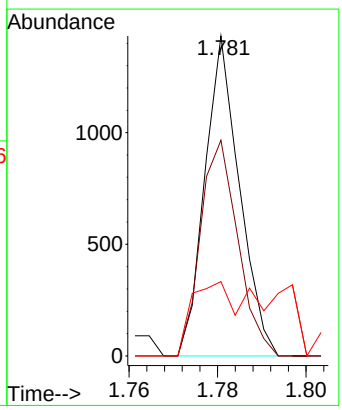


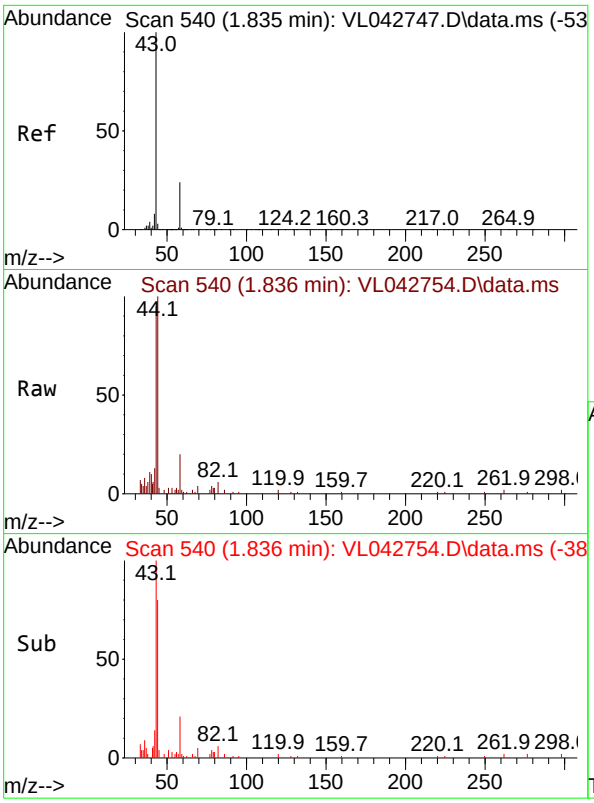


#14
Bromoethene
Concen: 0.139 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:108 Resp: 778

Ion	Ratio	Lower	Upper
108	100		
106	72.5	84.7	127.1#
79	74.6	17.4	26.2#



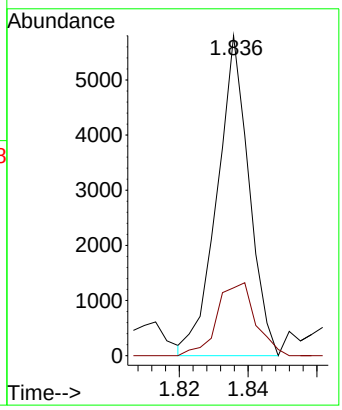


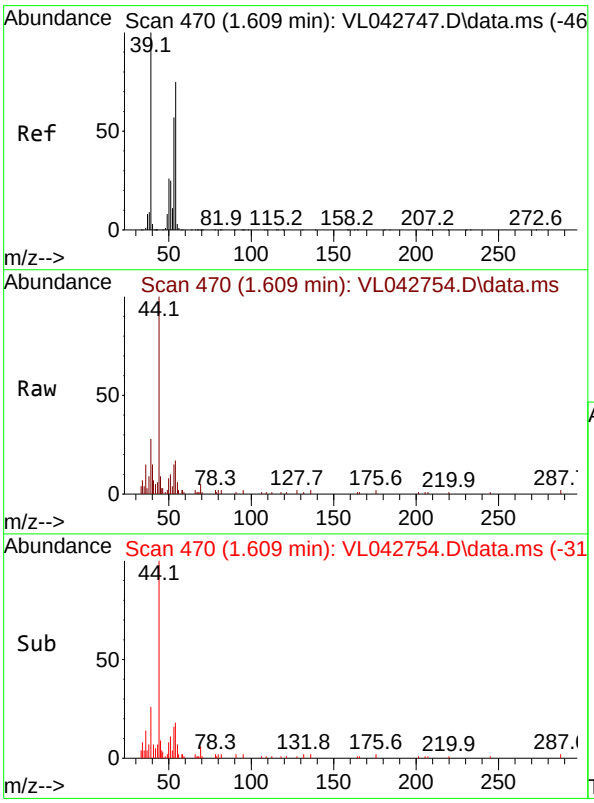
#15
Acetone
Concen: 0.177 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3734

Ion	Ratio	Lower	Upper
43	100		
58	27.4	19.8	29.8

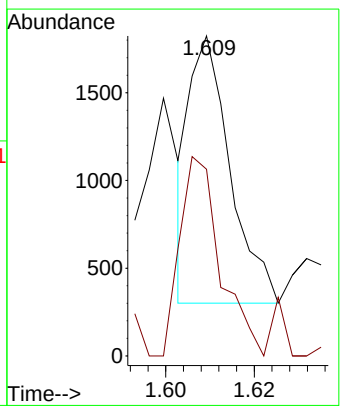


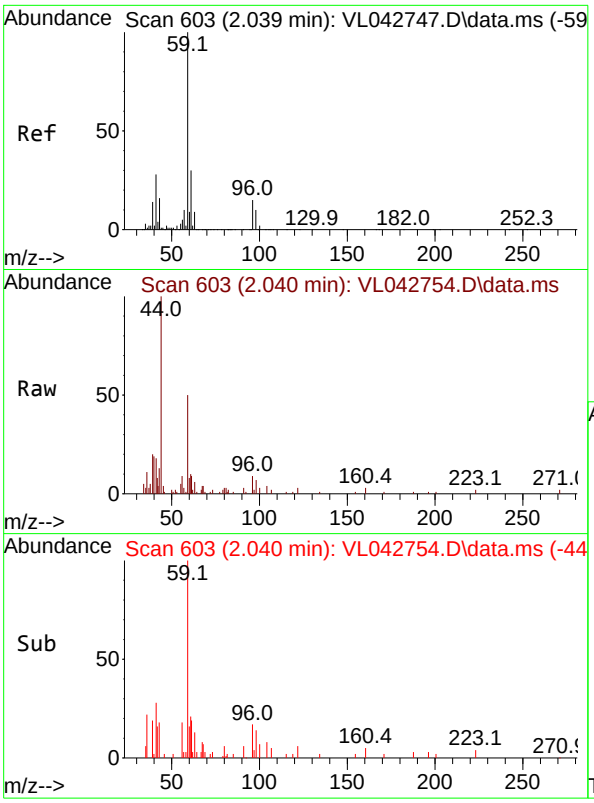


#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 39 Resp: 976

Ion	Ratio	Lower	Upper
39	100		
54	115.6	54.5	81.7#



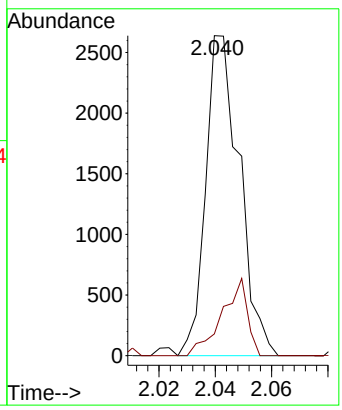


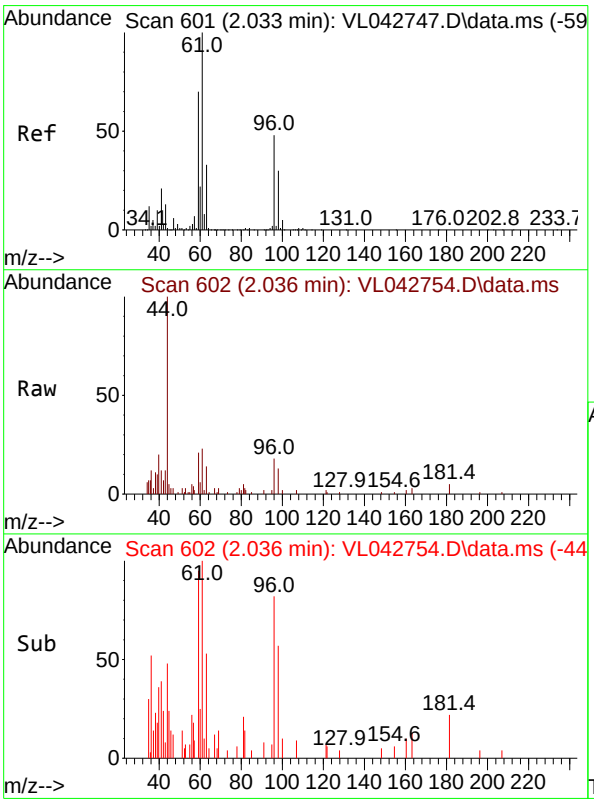
#17
tert-Butyl alcohol
Concen: 0.116 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 2194

Ion	Ratio	Lower	Upper
59	100		
57	18.3	8.3	12.5#

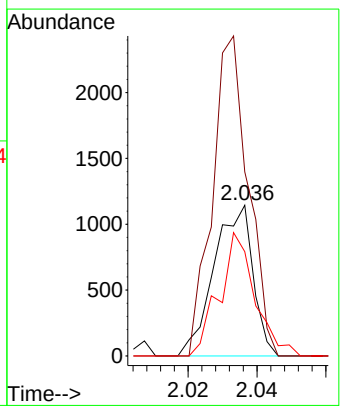


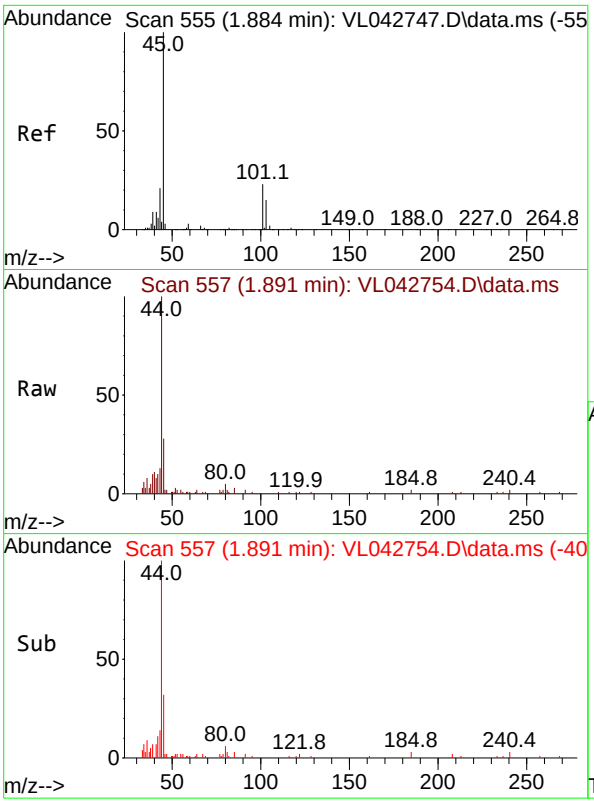


#18
1,1-Dichloroethene
Concen: 0.126 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 96 Resp: 899

Ion	Ratio	Lower	Upper
96	100		
61	122.3	165.8	248.6#
98	69.2	49.9	74.9



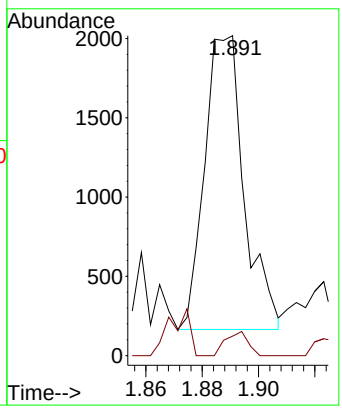


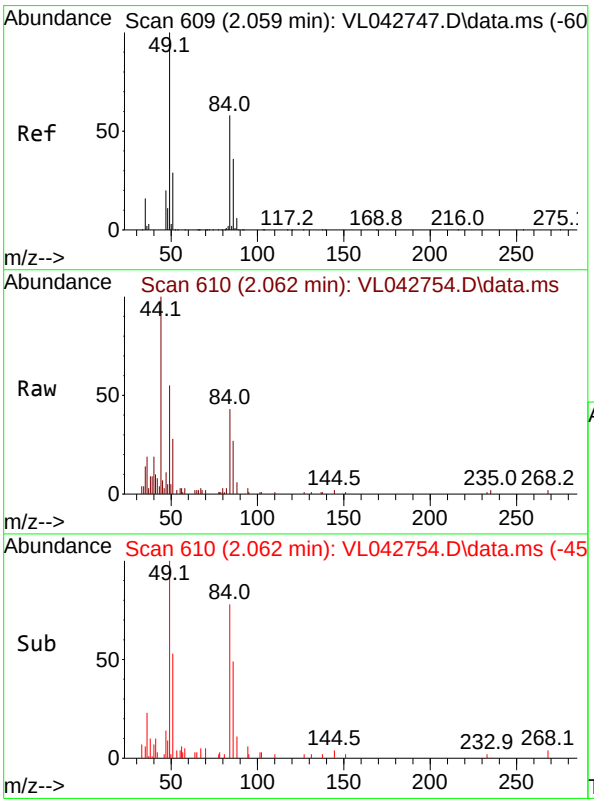
#19
Isopropyl Alcohol
Concen: 0.161 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
58	13.0	30.0	45.0#

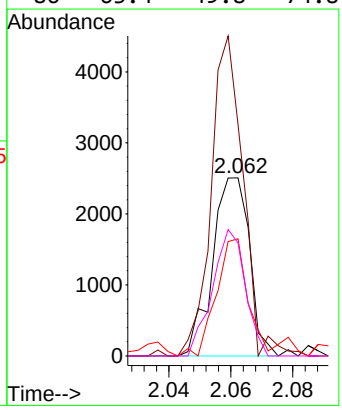


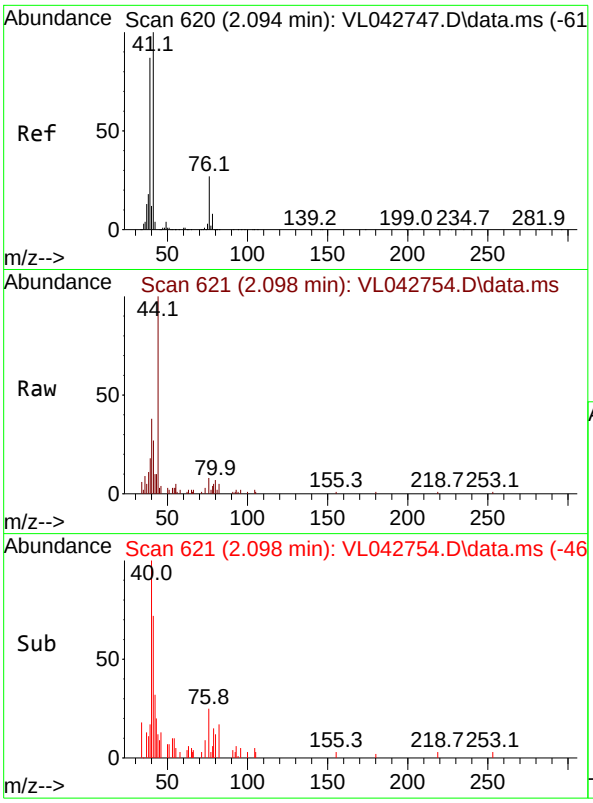


#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 84 Resp: 2080

Ion	Ratio	Lower	Upper
84	100		
49	129.9	138.6	208.0#
51	65.8	40.6	61.0#
86	63.4	49.8	74.8



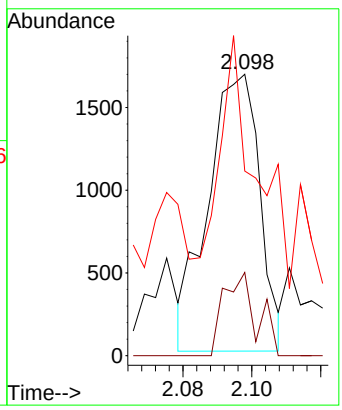


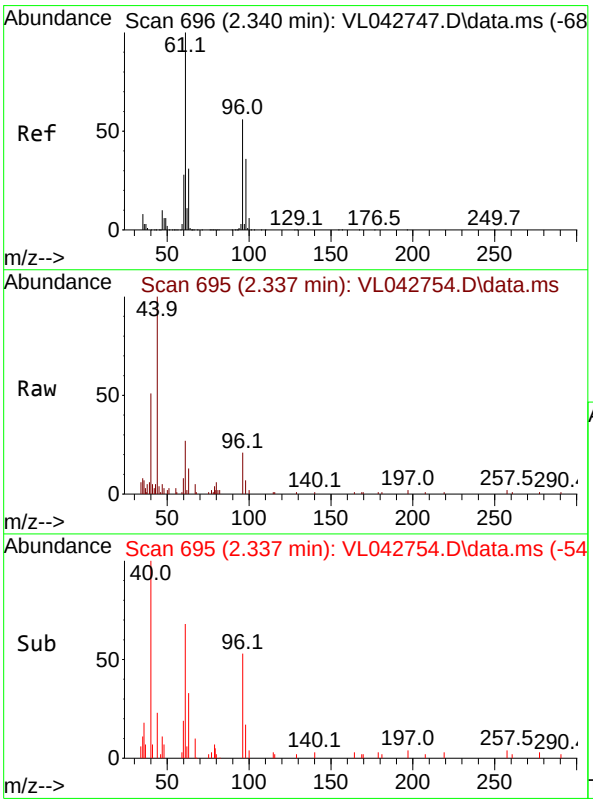
#21
Allyl Chloride
Concen: 0.135 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1747

Ion	Ratio	Lower	Upper
41	100		
76	19.1	21.1	31.7#
39	136.5	68.3	102.5#

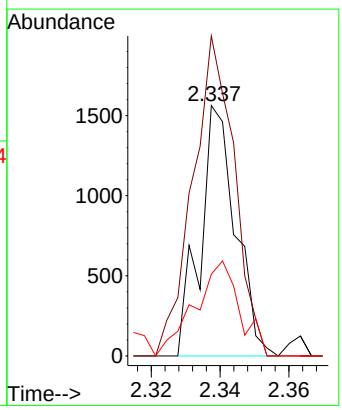


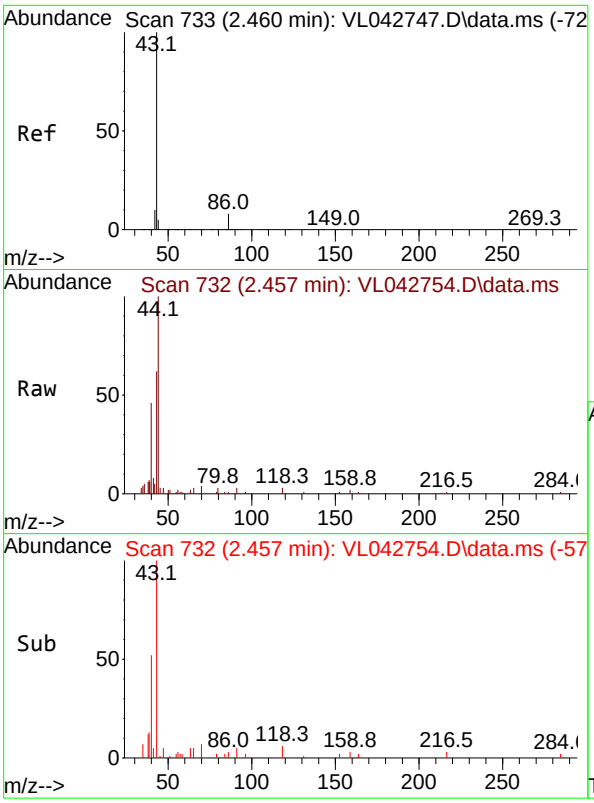


#22
trans-1,2-Dichloroethene
Concen: 0.146 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 96 Resp: 1116

Ion	Ratio	Lower	Upper
96	100		
61	127.8	142.3	213.5#
98	32.6	50.6	76.0#



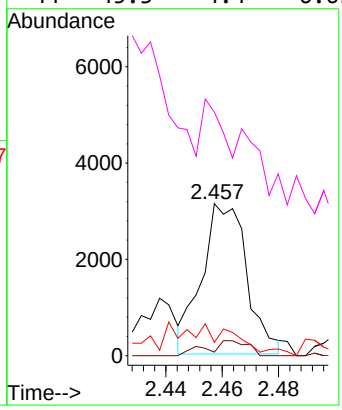


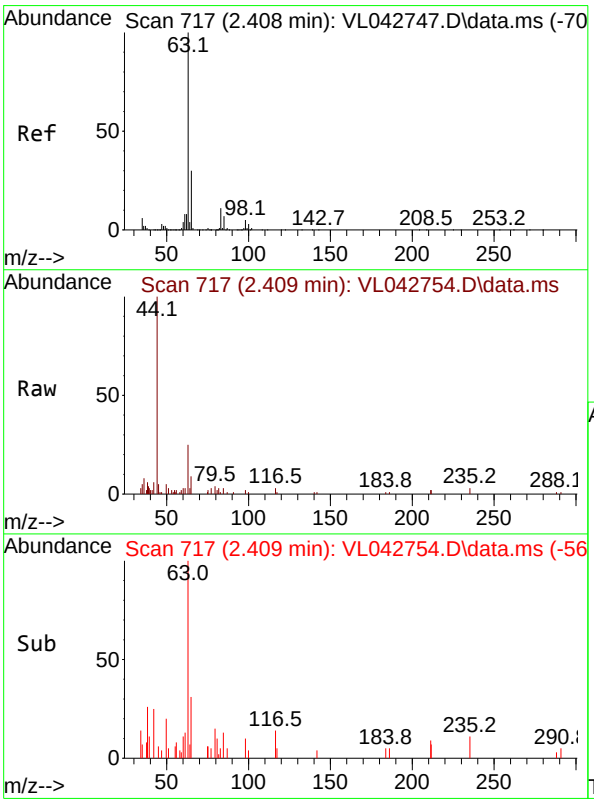
#23
Vinyl Acetate
Concen: 0.136 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3460

Ion	Ratio	Lower	Upper
43	100		
86	2.5	6.1	9.1#
42	4.8	7.8	11.8#
44	45.3	4.4	6.6#

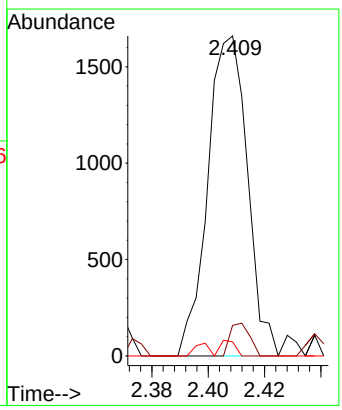


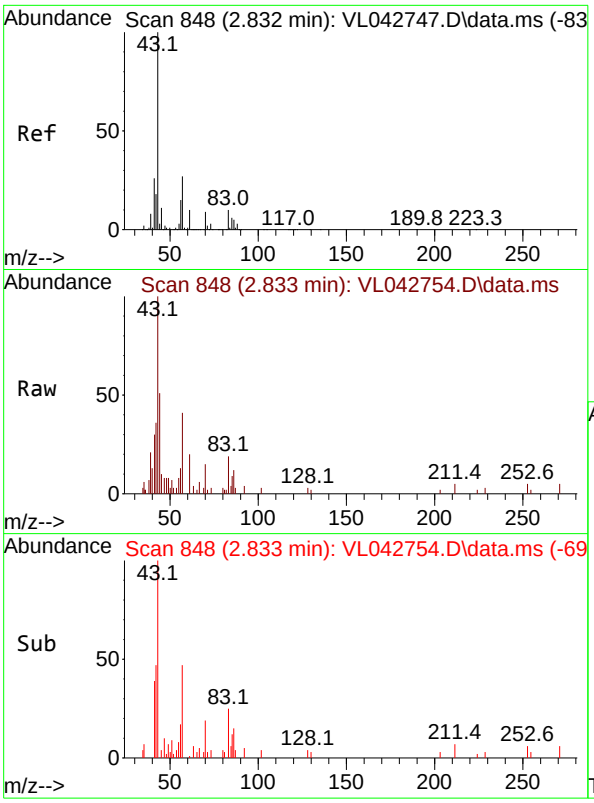


#24
1,1-Dichloroethane
Concen: 0.103 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 63 Resp: 1620

Ion	Ratio	Lower	Upper
63	100		
98	9.5	2.5	7.4#
100	4.4	1.6	4.8



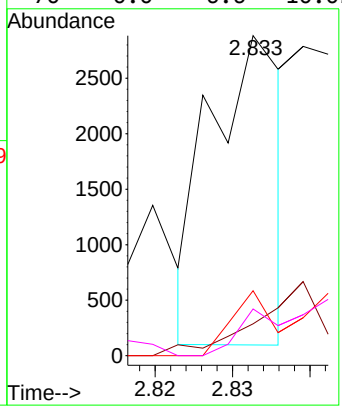


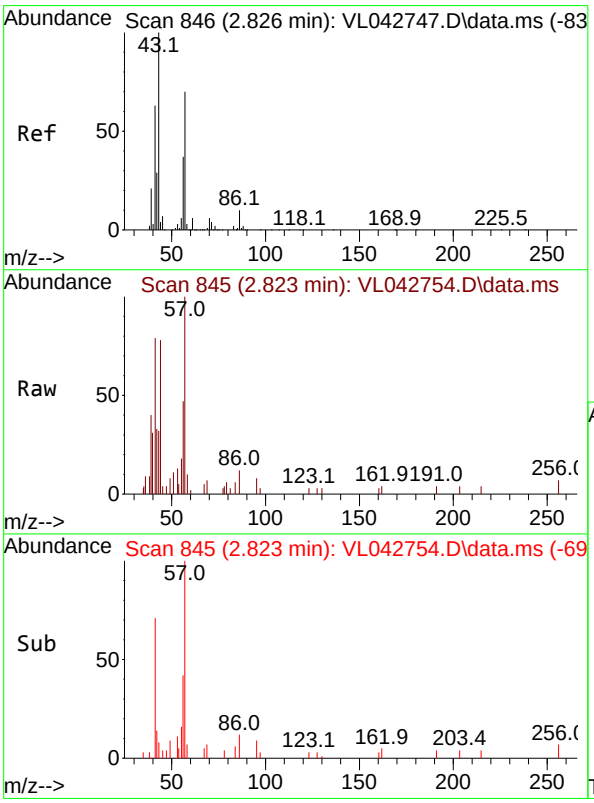
#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 1813

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	26.6	6.7	10.1#
70	0.0	6.6	10.0#

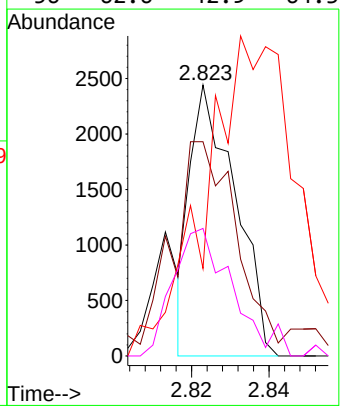


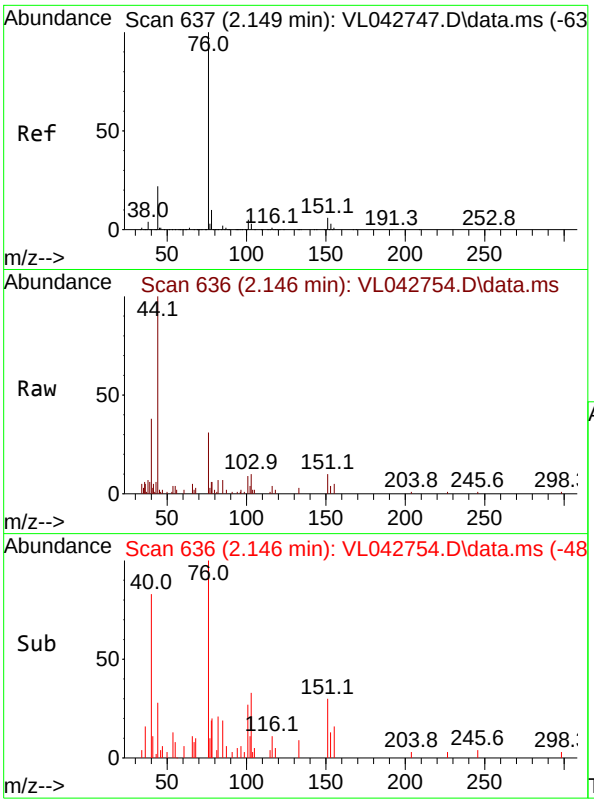


#26
Hexane
Concen: 0.097 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1982

Ion	Ratio	Lower	Upper
57	100		
41	149.4	75.4	113.2#
43	252.9	185.0	277.6
56	62.6	42.9	64.3



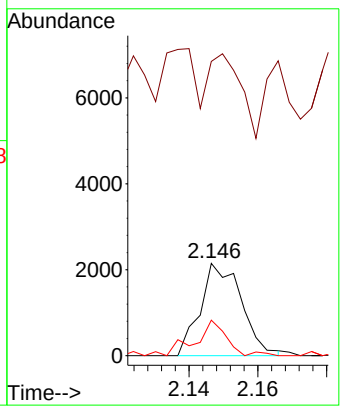


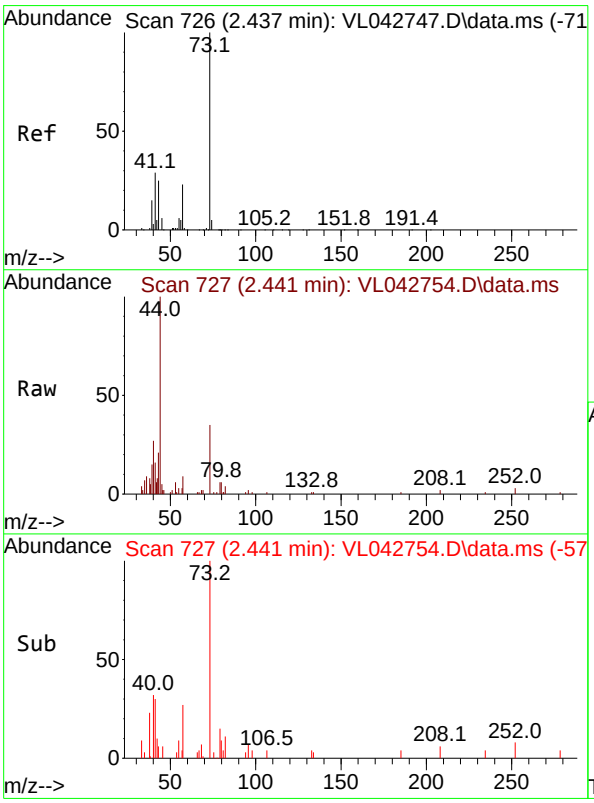
#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 1789

Ion	Ratio	Lower	Upper
76	100		
44	606.9	19.3	28.9#
78	30.9	9.9	14.9#

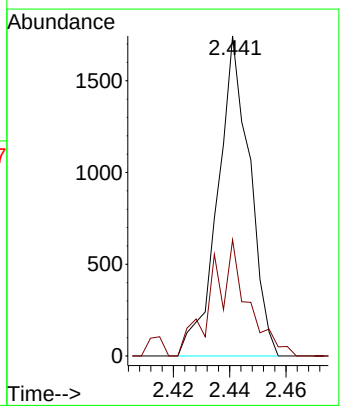


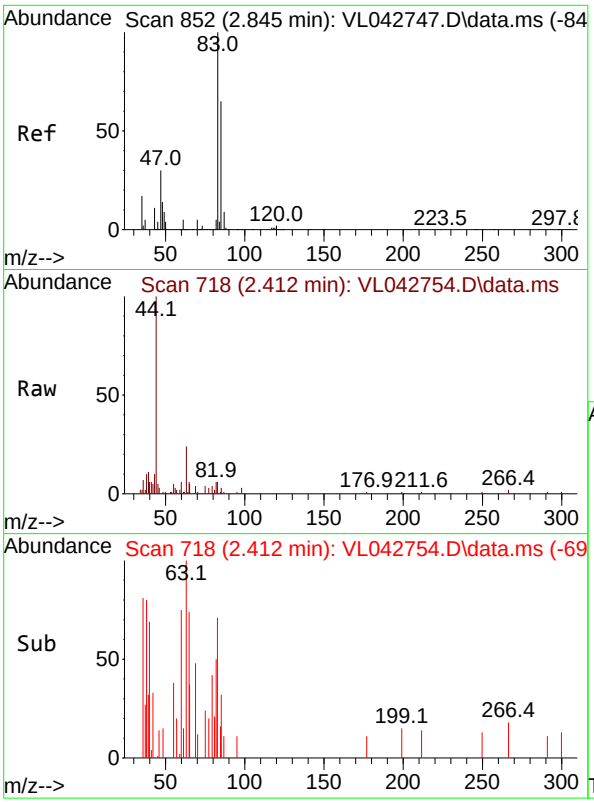


#28
Methyl tert-Butyl Ether
Concen: 0.143 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 73 Resp: 1378

Ion	Ratio	Lower	Upper
73	100		
57	44.8	19.8	29.8#



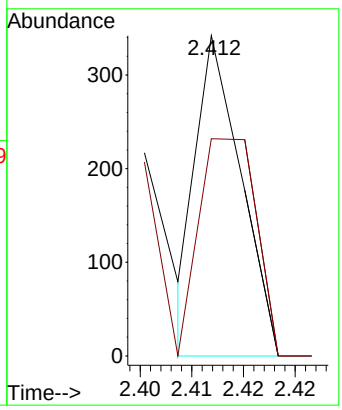


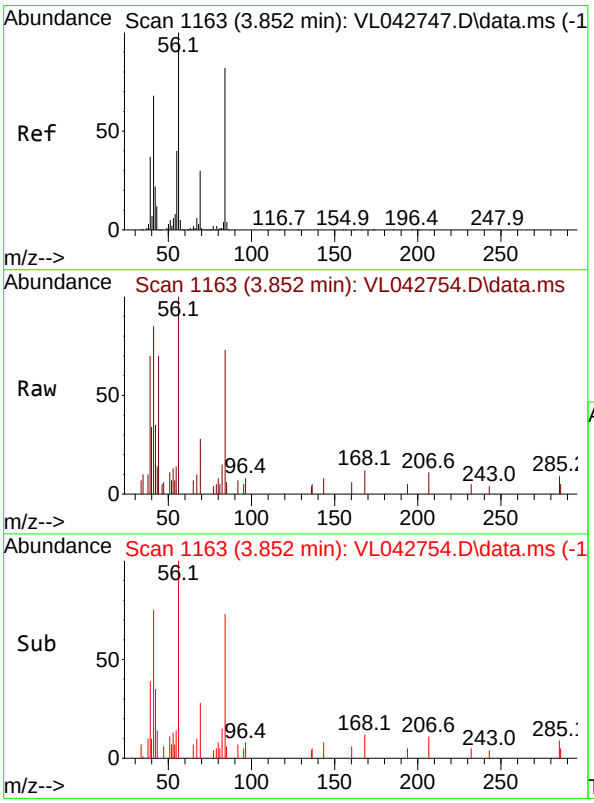
#29
Chloroform
Concen: 0.003 ppbv
RT: 2.412 min Scan# 7
Delta R.T. -0.433 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 101

Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.2	78.2

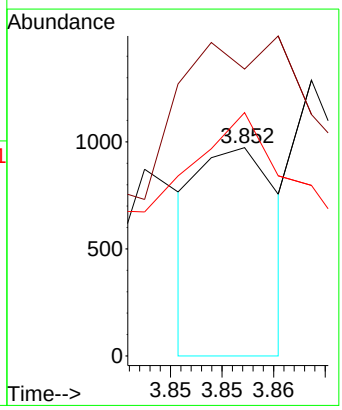


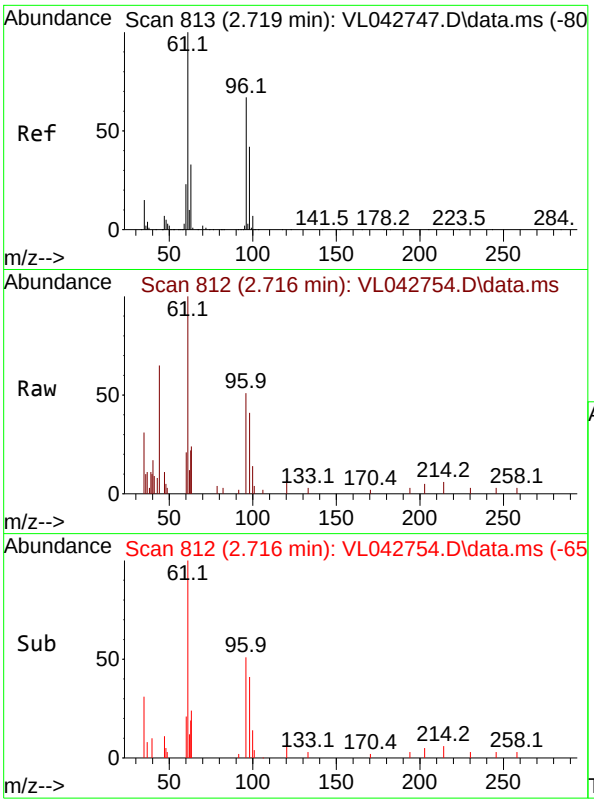


#30
Cyclohexane
Concen: 0.030 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 84 Resp: 516

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	369.4	67.2	100.8#



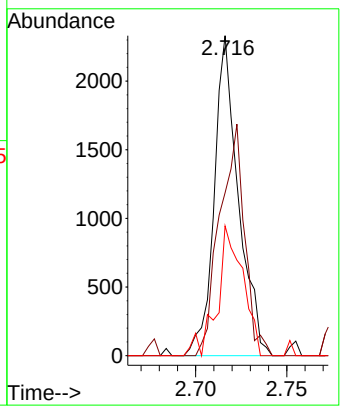


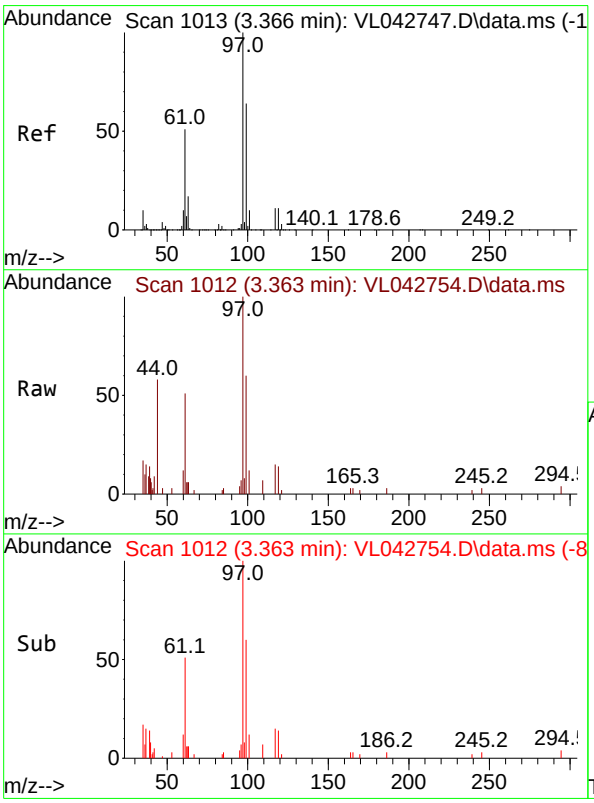
#31
cis-1,2-Dichloroethene
Concen: 0.103 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 2152

Ion	Ratio	Lower	Upper
61	100		
96	50.9	53.5	80.3#
98	40.5	33.6	50.4

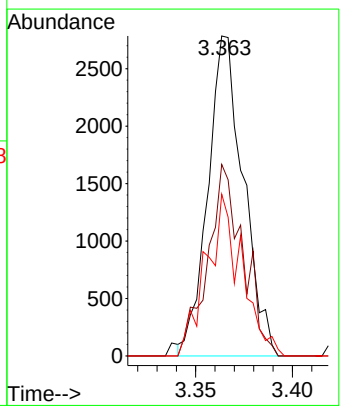


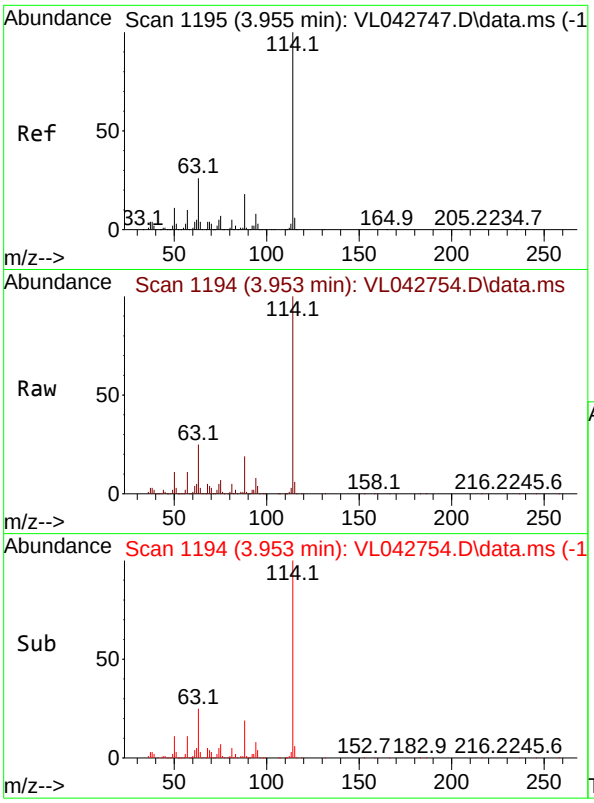


#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 97 Resp: 3550

Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.0	76.6
61	50.4	40.9	61.3



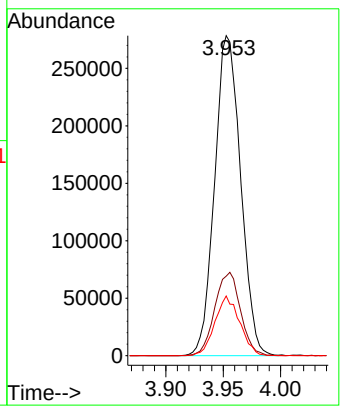


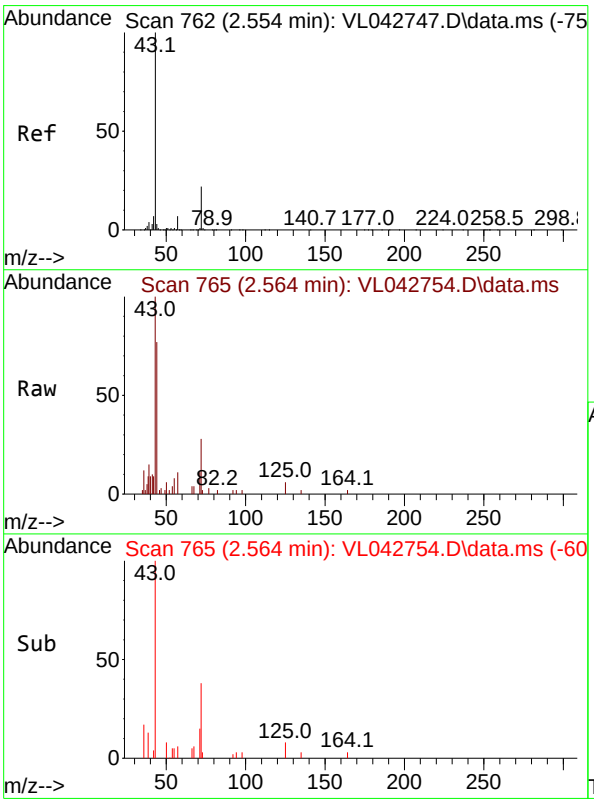
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 438604

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0

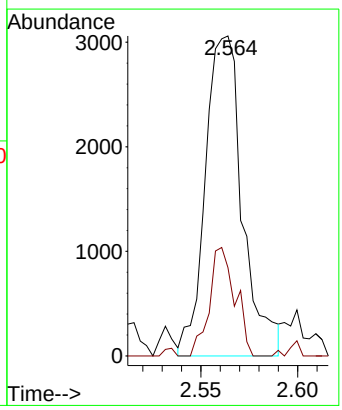


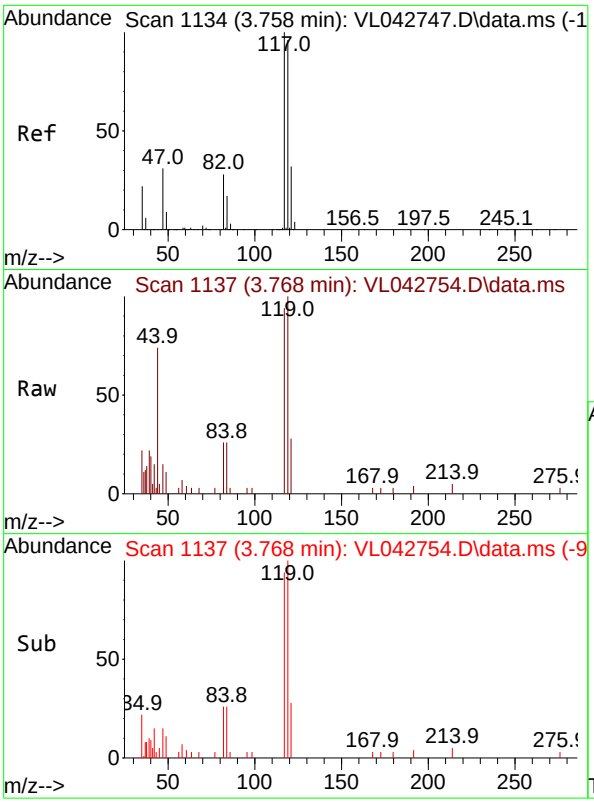


#34
2-Butanone
Concen: 0.132 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 4086

Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.4	26.0



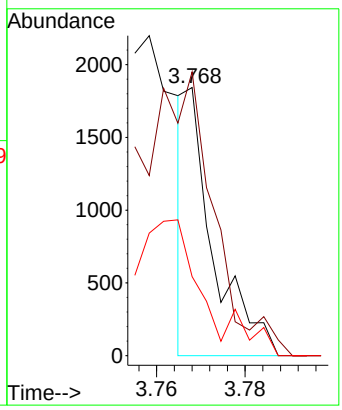


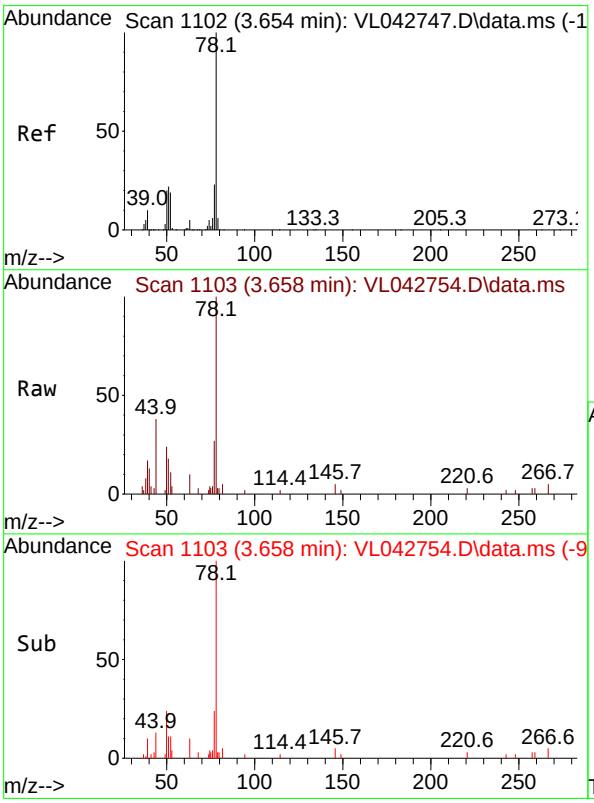
#35
Carbon Tetrachloride
Concen: 0.024 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 796

Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.1	115.7
121	29.5	25.5	38.3

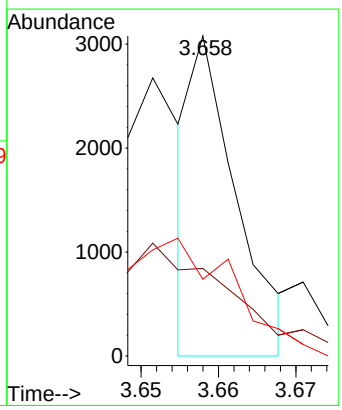


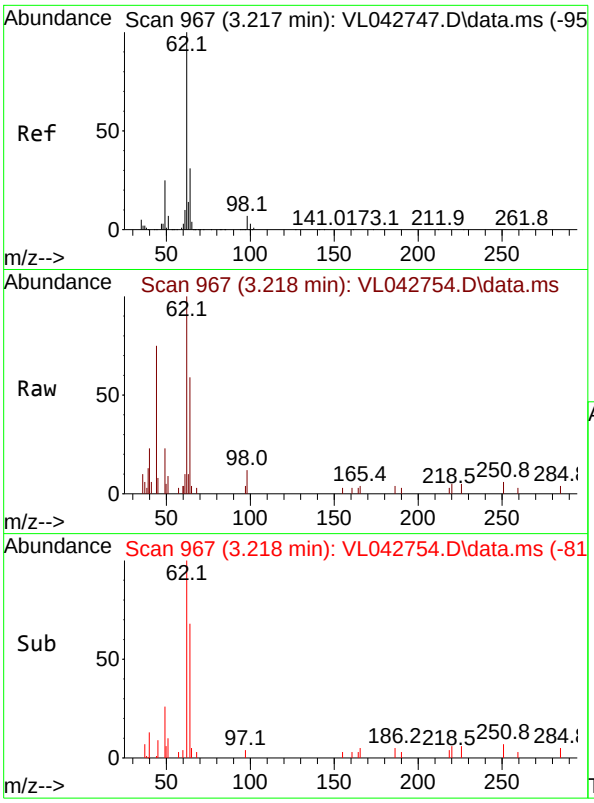


#36
Benzene
Concen: 0.030 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 78 Resp: 1246

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.5	27.7
50	19.1	16.2	24.2



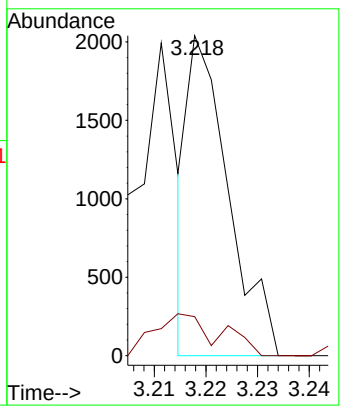


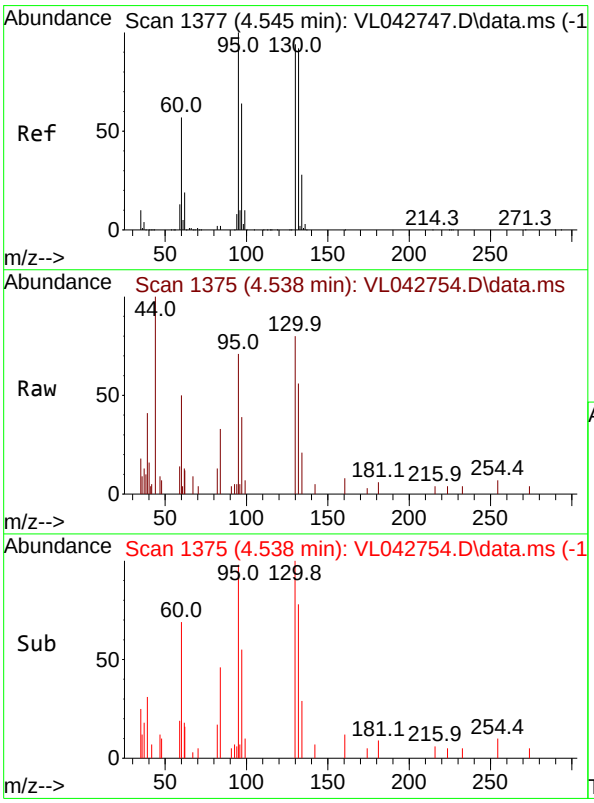
#37
1,2-Dichloroethane
Concen: 0.044 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1114

Ion	Ratio	Lower	Upper
62	100		
98	21.1	5.2	7.8#

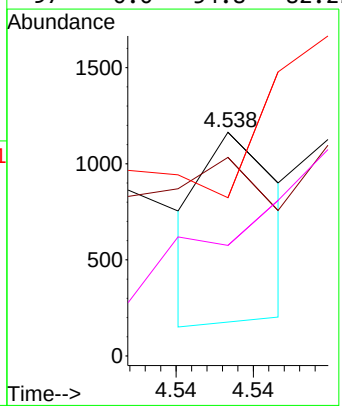


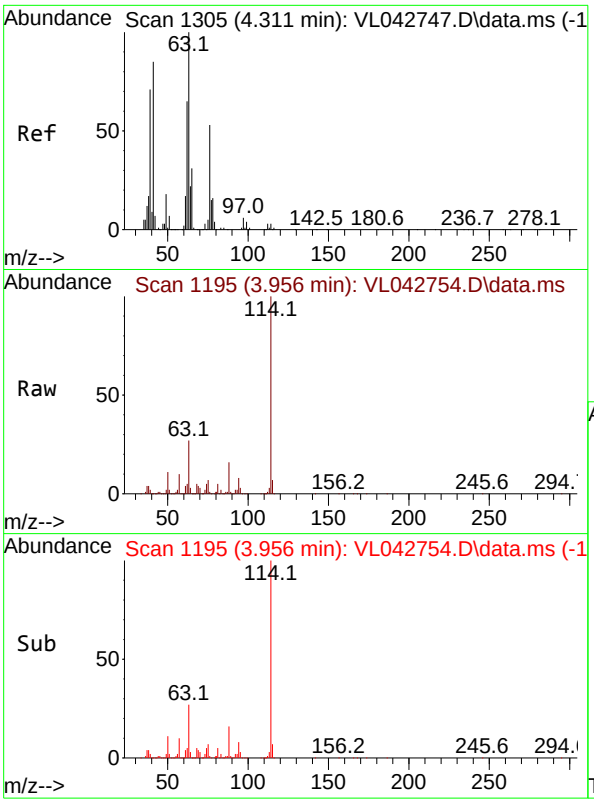


#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:130 Resp: 333

Ion	Ratio	Lower	Upper
130	100		
95	67.3	85.4	128.2#
132	0.0	78.2	117.2#
97	0.0	54.8	82.2#



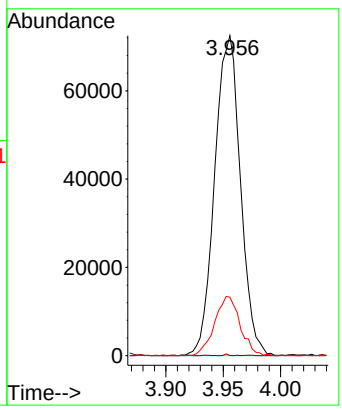


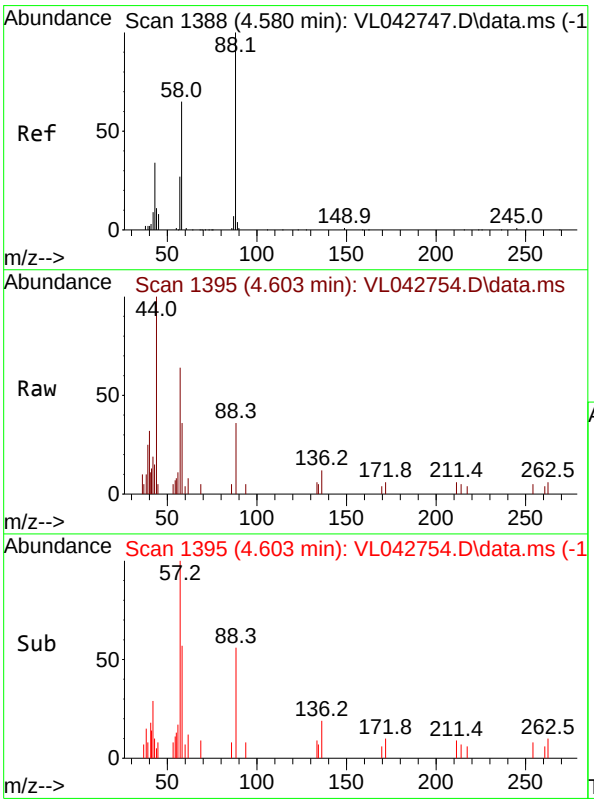
#39
1,2-Dichloropropane
Concen: 7.376 ppbv
RT: 3.956 min Scan# 11
Delta R.T. -0.356 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 113176

Ion	Ratio	Lower	Upper
63	100		
41	0.1	68.2	102.4#
62	18.3	52.0	78.0#

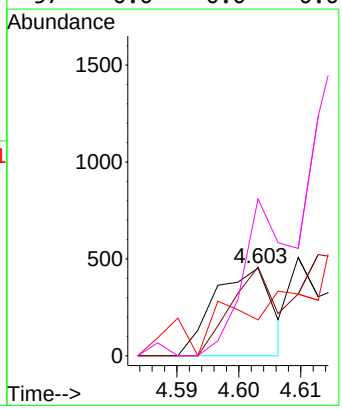


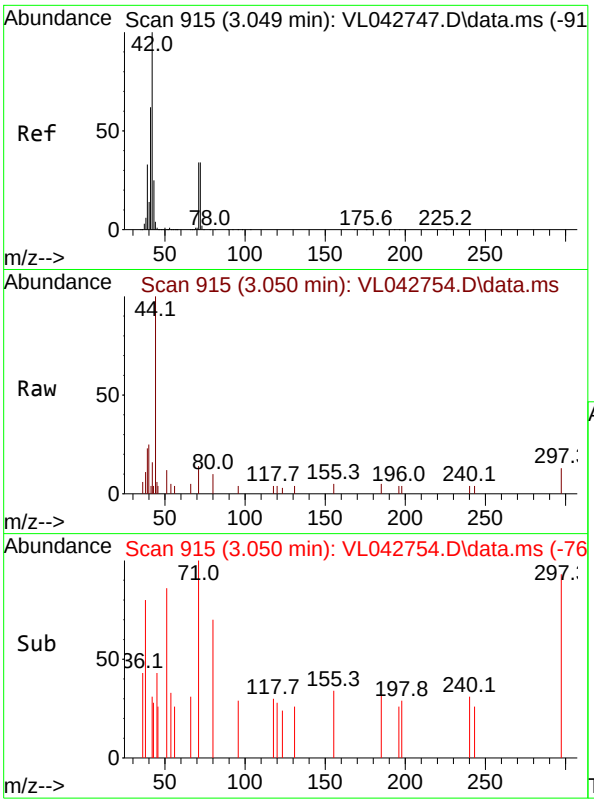


#40
1,4-Dioxane
Concen: 0.041 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.023 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 88 Resp: 294

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	31.0	28.9	43.3
57	0.0	0.0	0.0



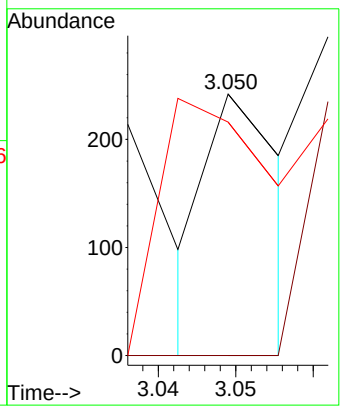


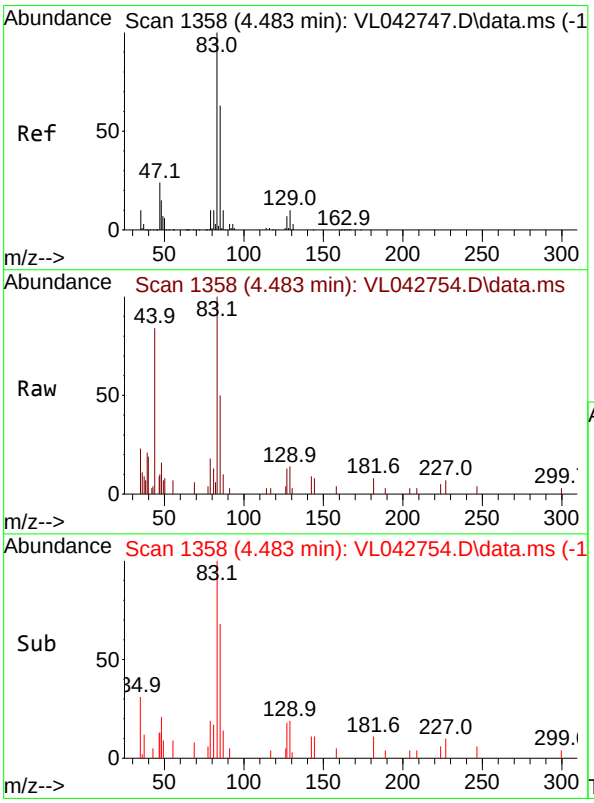
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.050 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 83

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.6	43.0#

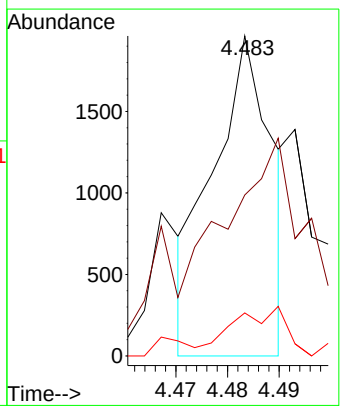


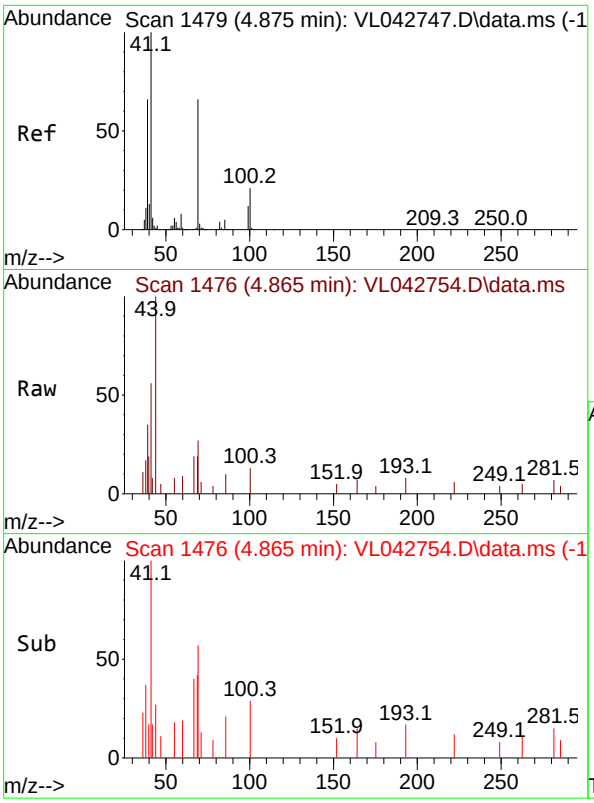


#42
Bromodichloromethane
Concen: 0.048 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 83 Resp: 1563

Ion	Ratio	Lower	Upper
83	100		
85	51.2	50.2	75.4
127	14.0	5.4	8.2#



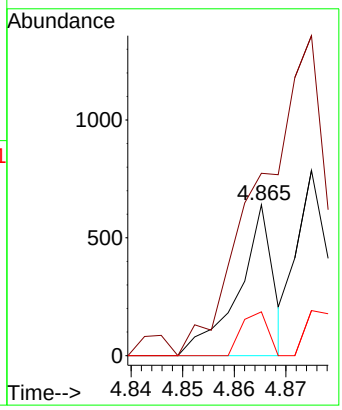


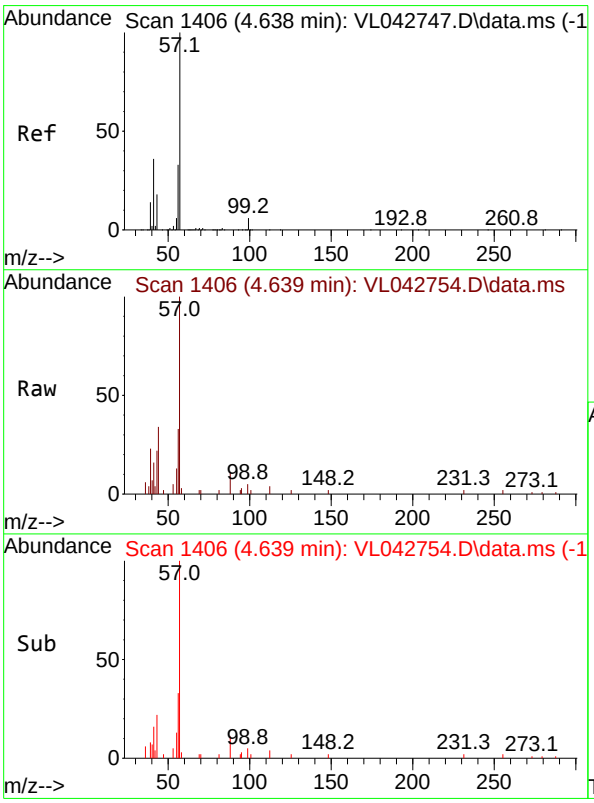
#43
Methyl Methacrylate
Concen: 0.020 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.009 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 298

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

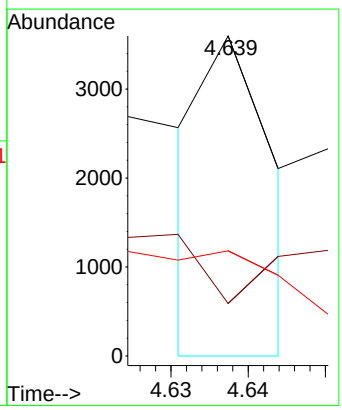


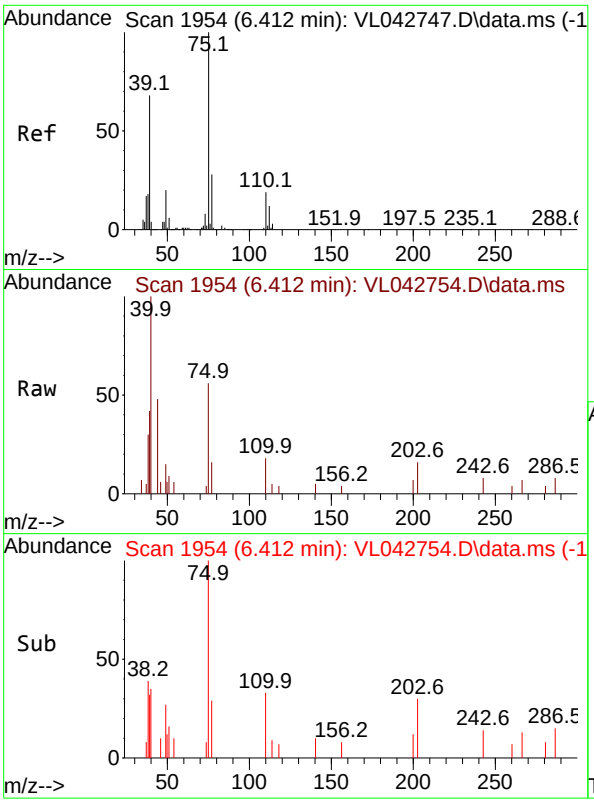


#44
2,2,4-Trimethylpentane
Concen: 0.016 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1109

Ion	Ratio	Lower	Upper
57	100		
41	271.4	28.3	42.5#
56	0.0	25.8	38.6#



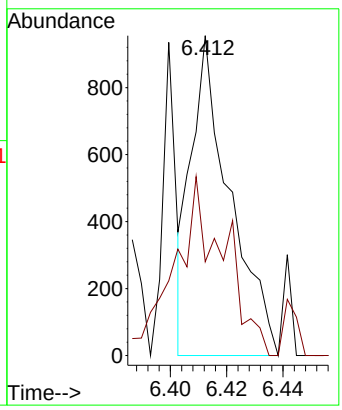


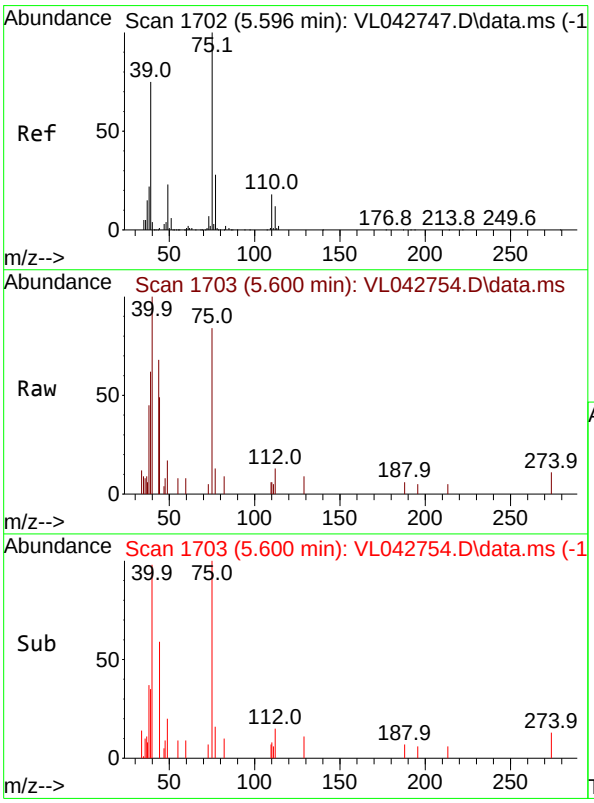
#45
t-1,3-Dichloropropene
Concen: 0.055 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 912

Ion	Ratio	Lower	Upper
75	100		
77	29.3	22.4	33.6

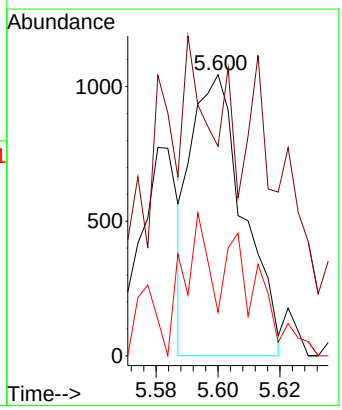


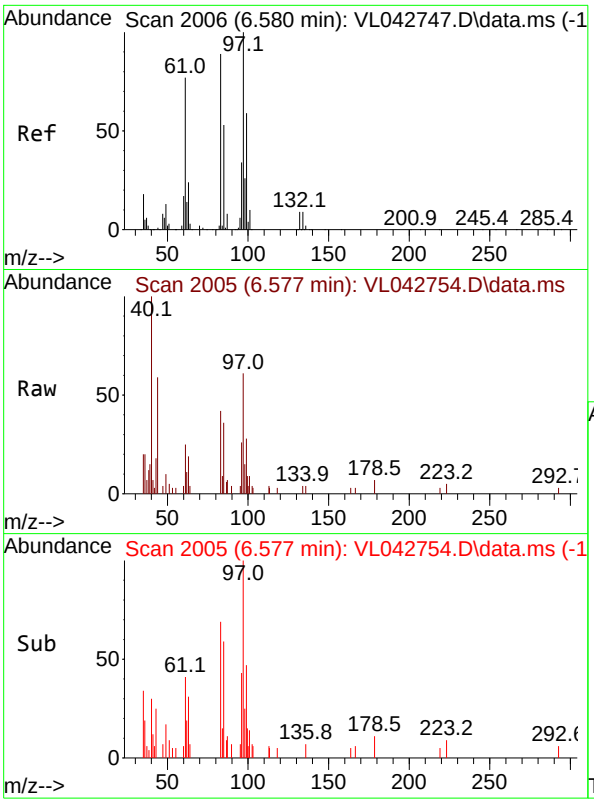


#46
cis-1,3-Dichloropropene
Concen: 0.059 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 75 Resp: 1232

Ion	Ratio	Lower	Upper
75	100		
39	17.5	60.2	90.2#
77	11.5	22.6	34.0#



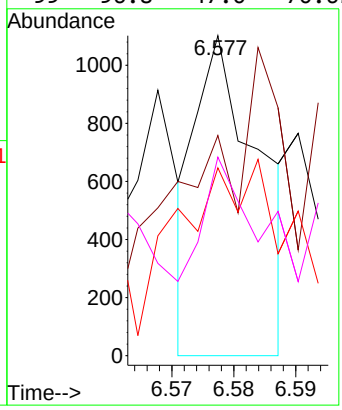


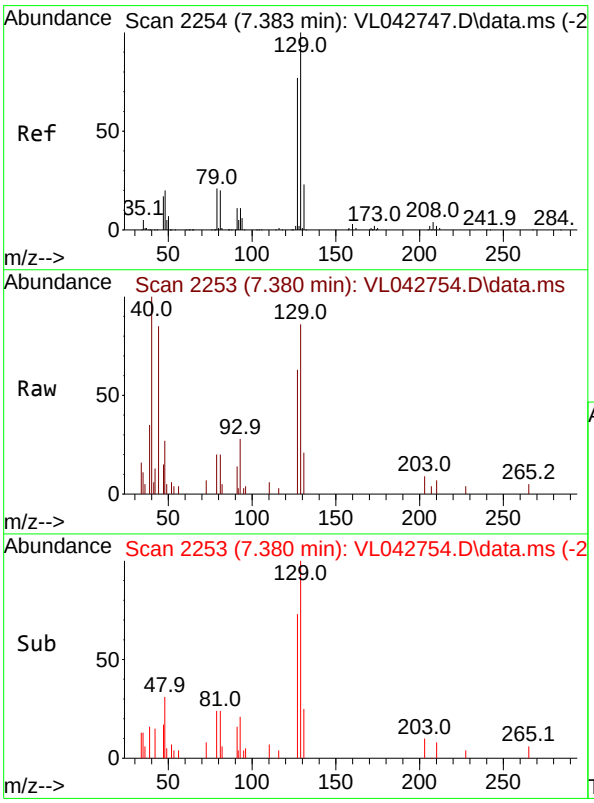
#47
1,1,2-Trichloroethane
Concen: 0.048 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 787

Ion	Ratio	Lower	Upper
97	100		
83	35.7	71.1	106.7#
85	67.0	43.0	64.4#
99	96.8	47.0	70.6#

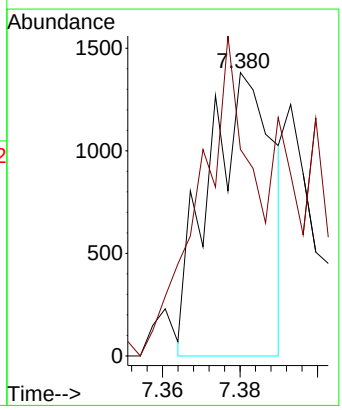


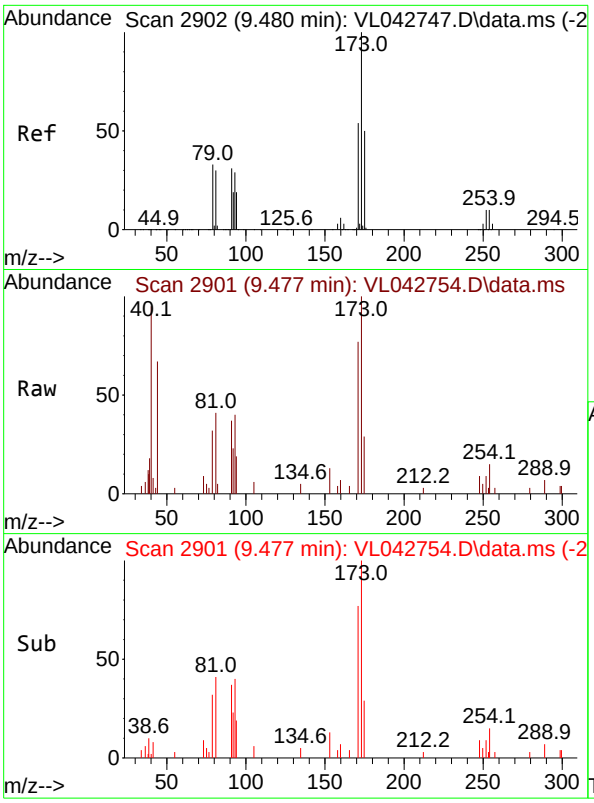


#48
Dibromochloromethane
Concen: 0.061 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:129 Resp: 1591

Ion	Ratio	Lower	Upper
129	100		
127	145.4	38.7	116.1#



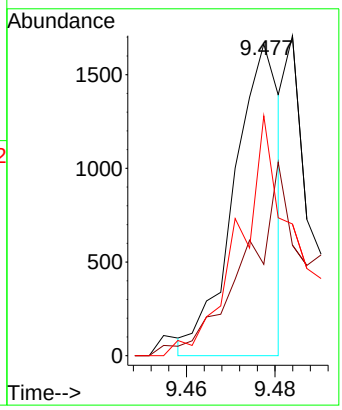


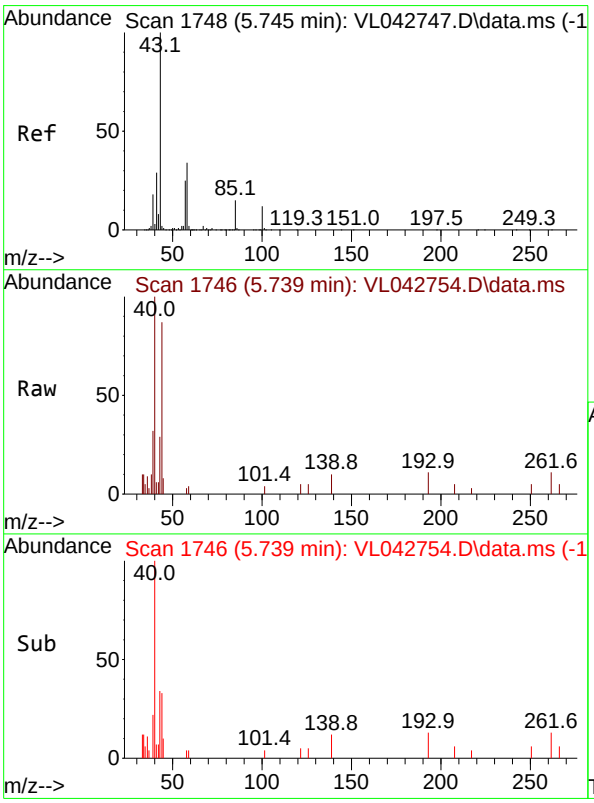
#49
Bromoform
Concen: 0.053 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1201

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.4	57.6#
171	100.8	40.9	61.3#

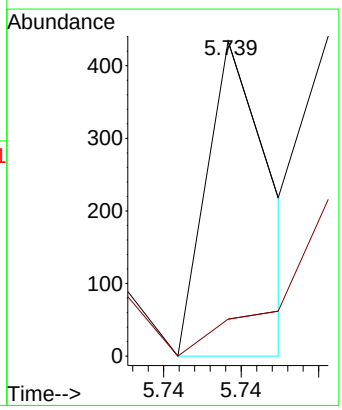


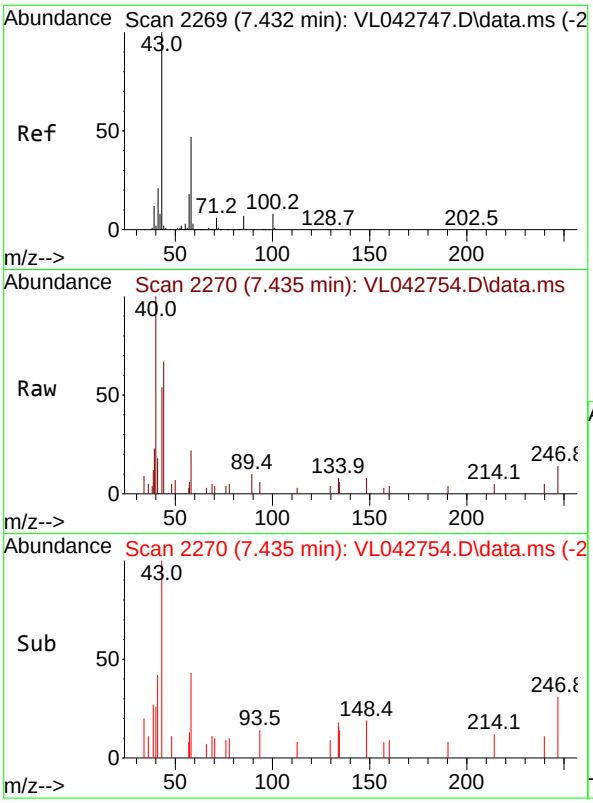


#50
4-Methyl-2-Pentanone
Concen: 0.003 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 126

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



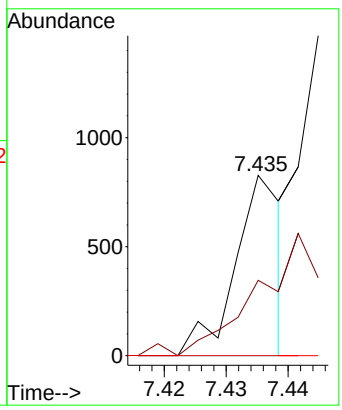


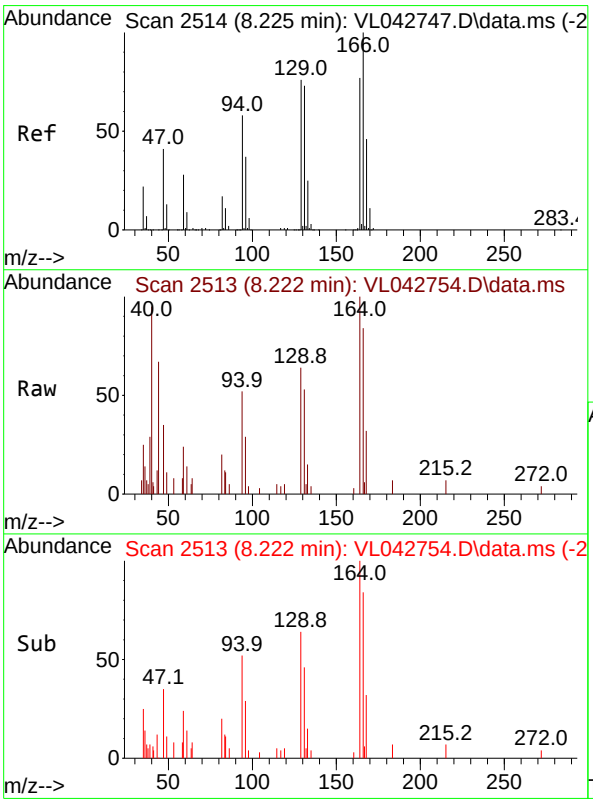
#51
2-Hexanone
Concen: 0.014 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 436

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

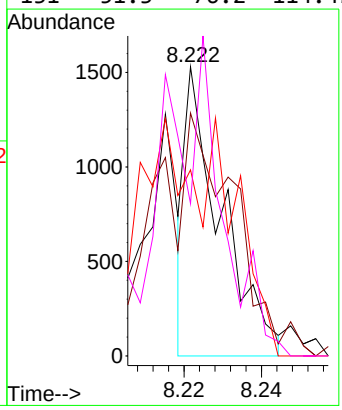


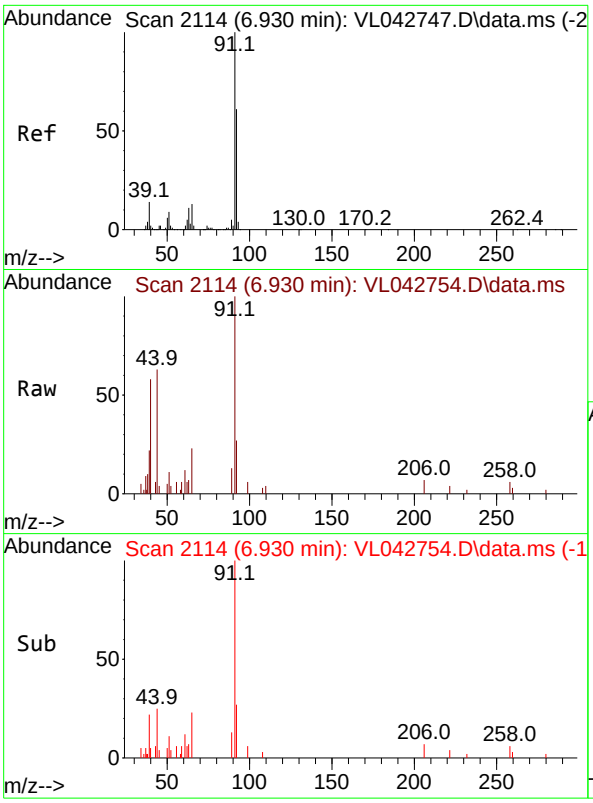


#52
Tetrachloroethene
Concen: 0.057 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:164 Resp: 981

Ion	Ratio	Lower	Upper
164	100		
166	85.9	104.0	156.0#
129	69.2	79.2	118.8#
131	51.3	76.2	114.4#



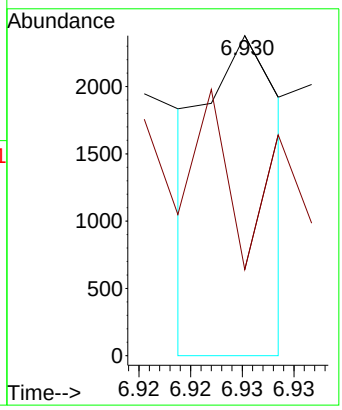


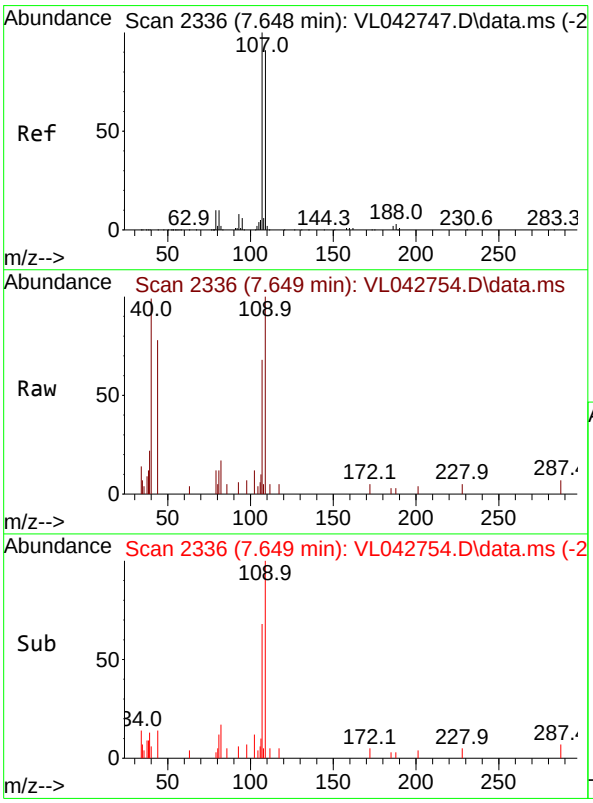
#53
Toluene
Concen: 0.027 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 1198

Ion	Ratio	Lower	Upper
91	100		
92	229.3	48.0	72.0#

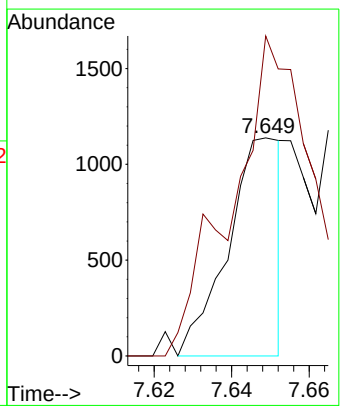


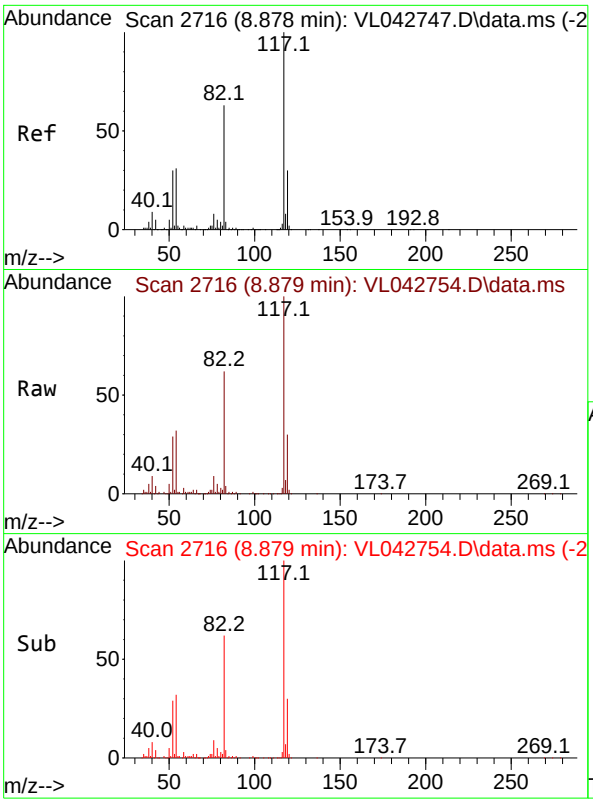


#54
1,2-Dibromoethane
Concen: 0.047 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:107 Resp: 1080

Ion	Ratio	Lower	Upper
107	100		
109	136.0	72.7	109.1#



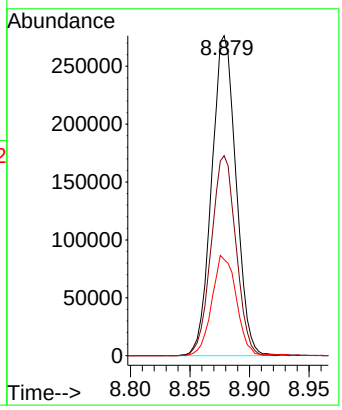


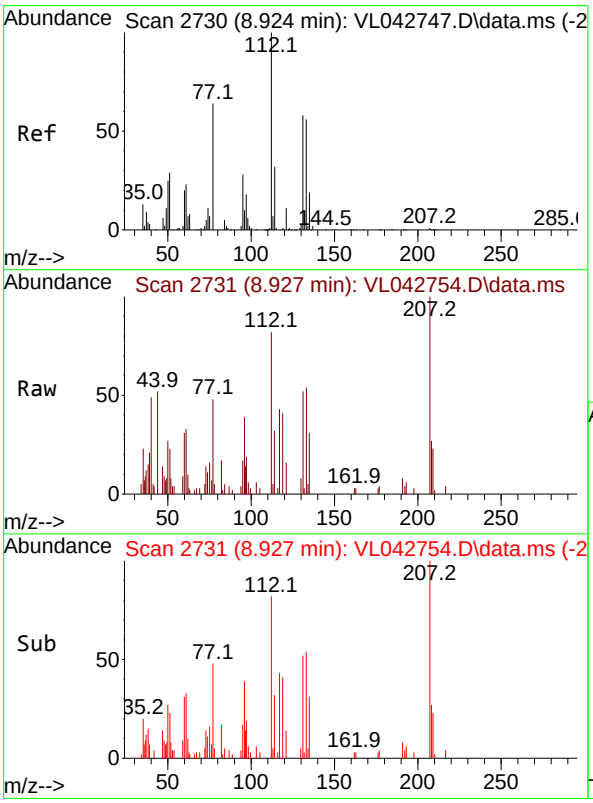
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 393042

Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.3	79.9
119	31.7	25.8	38.6

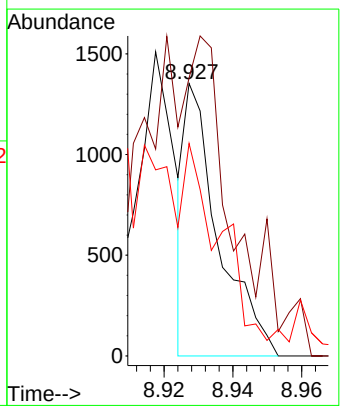


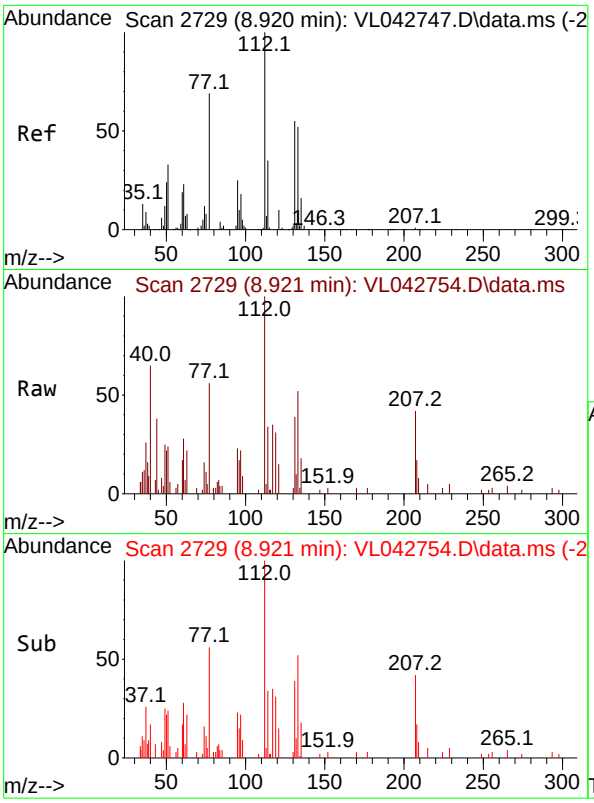


#56
1,1,1,2-Tetrachloroethane
Concen: 0.045 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:131 Resp: 922

Ion	Ratio	Lower	Upper
131	100		
133	315.4	76.8	115.2#
119	0.0	49.7	74.5#



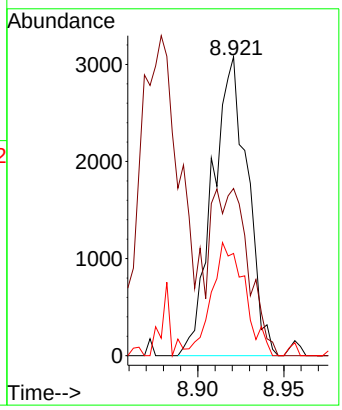


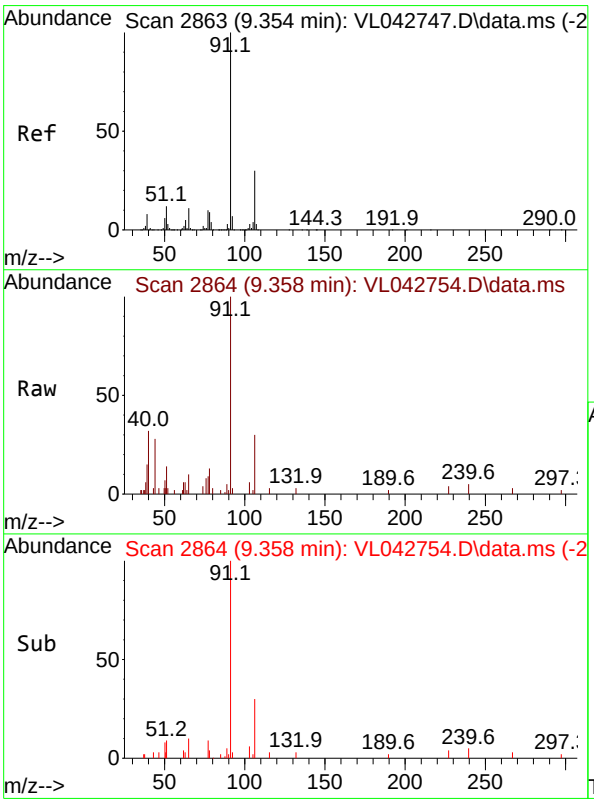
#57
Chlorobenzene
Concen: 0.114 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 4337

Ion	Ratio	Lower	Upper
112	100		
77	55.9	56.4	84.6#
114	34.2	31.2	38.2

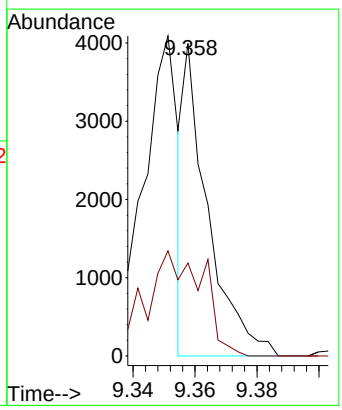


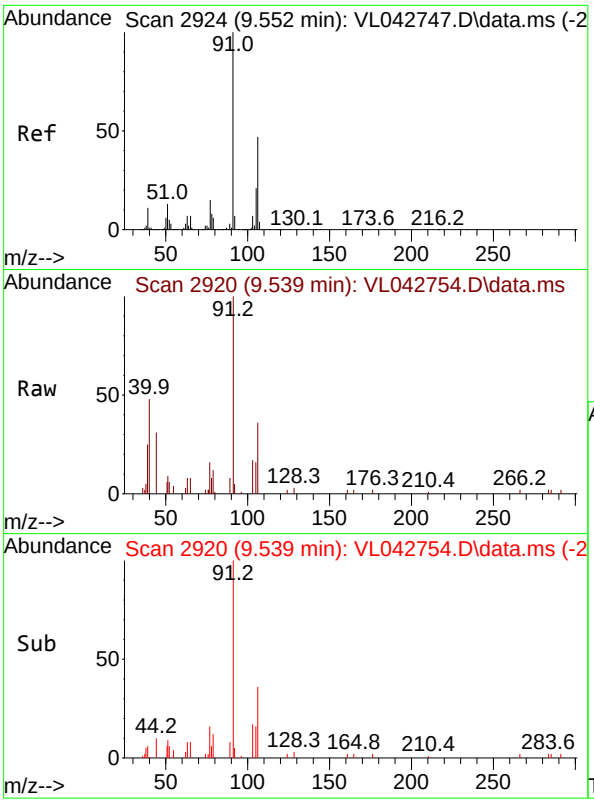


#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 2183

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6



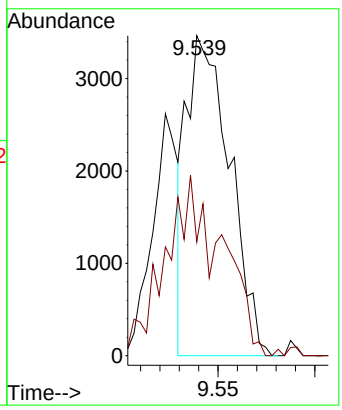


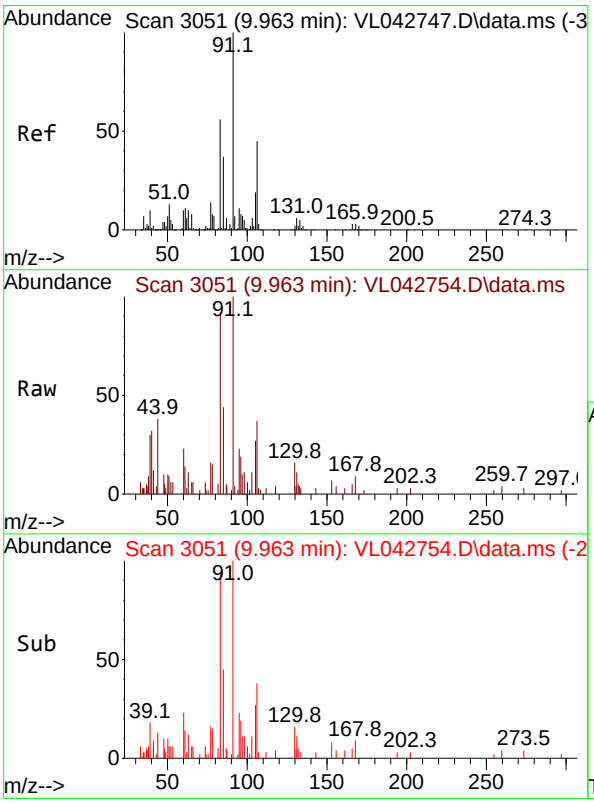
#59
m/p-Xylene
Concen: 0.109 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5405

Ion	Ratio	Lower	Upper
91	100		
106	73.2	37.4	56.2#

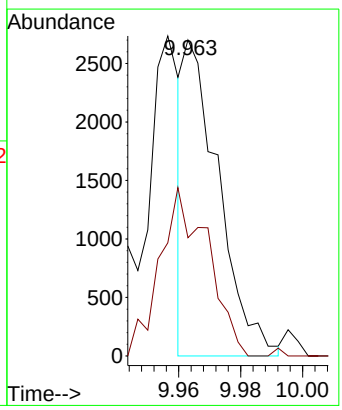


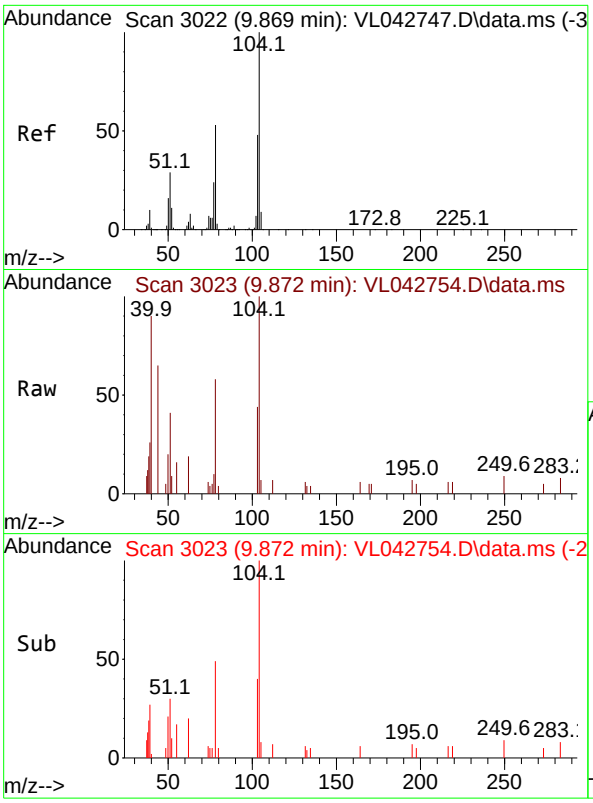


#60
o-Xylene
Concen: 0.042 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 2101

Ion	Ratio	Lower	Upper
91	100		
106	74.2	22.0	66.0#



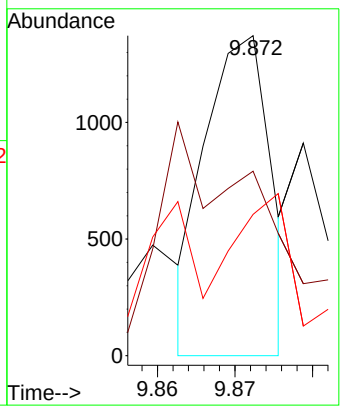


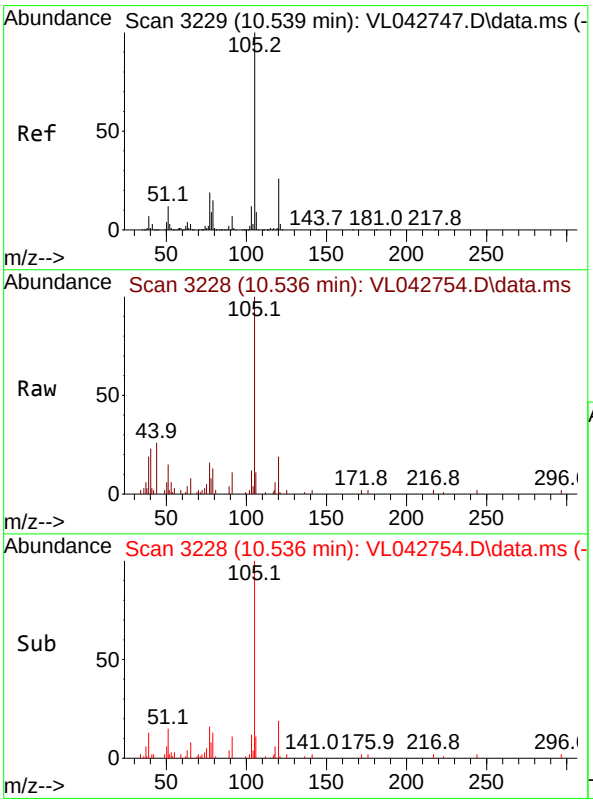
#61
Styrene
Concen: 0.039 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 807

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.5	62.3#
103	91.7	37.5	56.3#

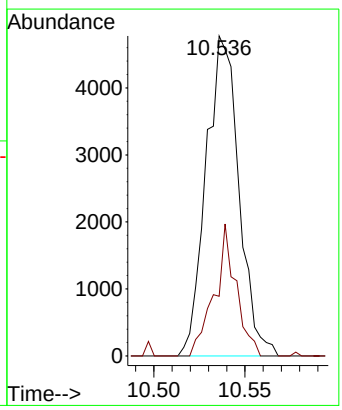


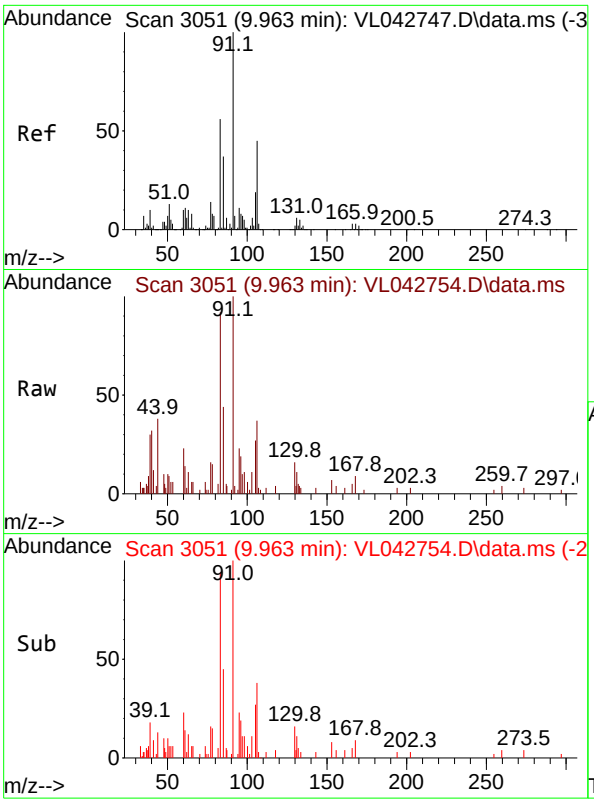


#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 5985

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.5	30.7



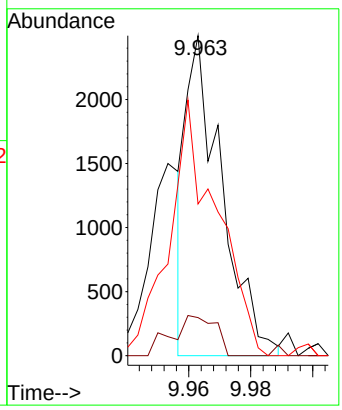


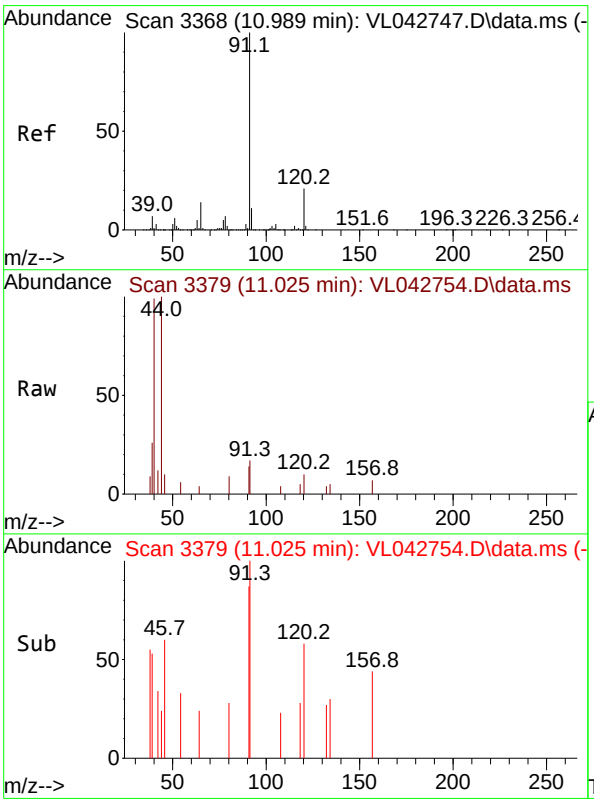
#63
1,1,2,2-Tetrachloroethane
Concen: 0.062 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 1989

Ion	Ratio	Lower	Upper
83	100		
131	16.8	5.0	15.0#
85	109.7	32.6	97.7#

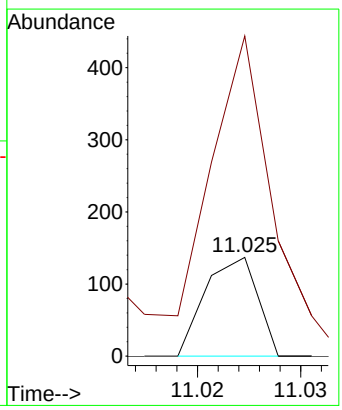


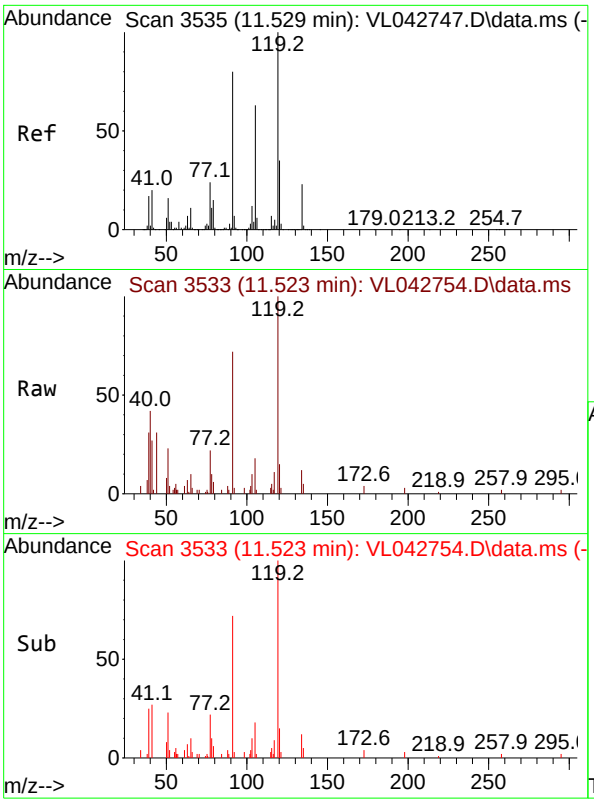


#64
n-propylbenzene
Concen: 0.003 ppbv
RT: 11.025 min Scan# 3379
Delta R.T. 0.036 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:120 Resp: 48

Ion	Ratio	Lower	Upper
120	100		
91	397.9	372.7	559.1



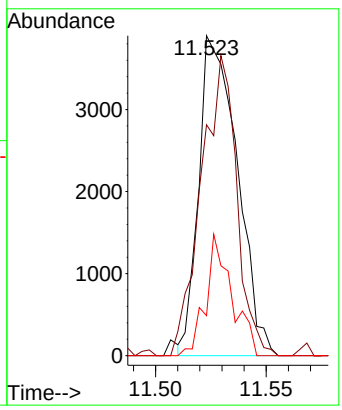


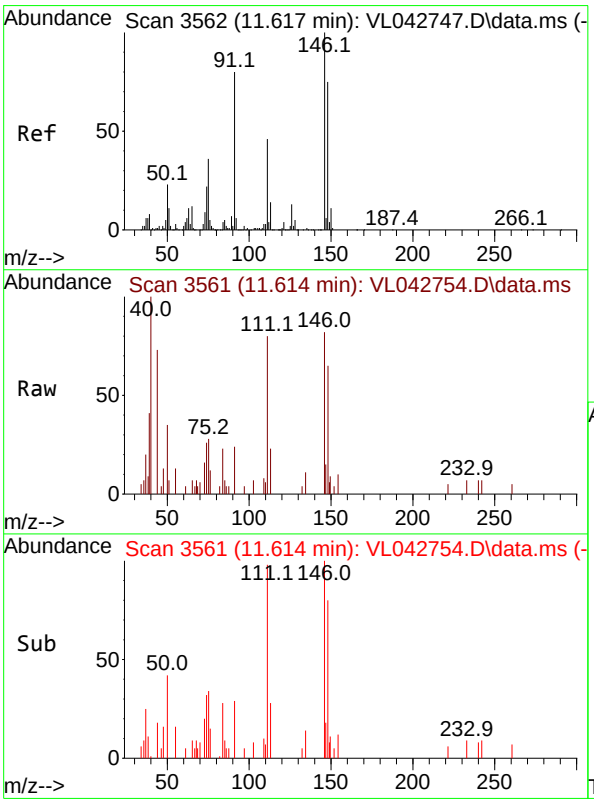
#65
tert-Butylbenzene
Concen: 0.072 ppbv
RT: 11.523 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 4707

Ion	Ratio	Lower	Upper
119	100		
91	88.0	64.0	96.0
134	25.6	17.3	25.9

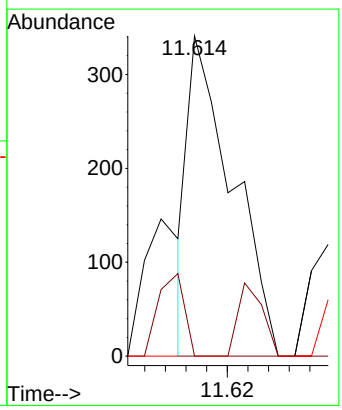


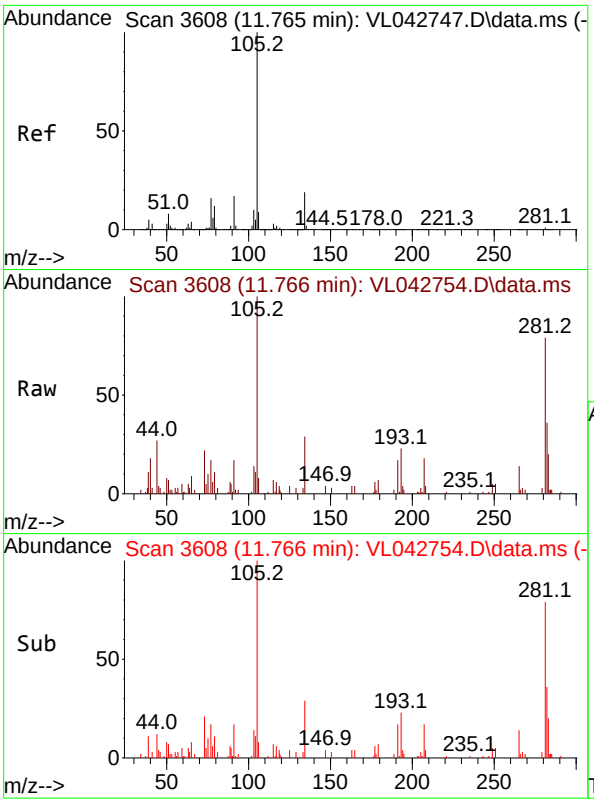


#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 204

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.4	21.6#
128	0.0	5.2	7.8#



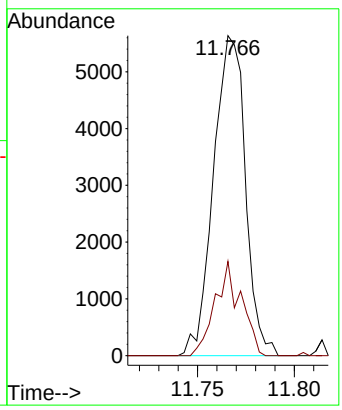


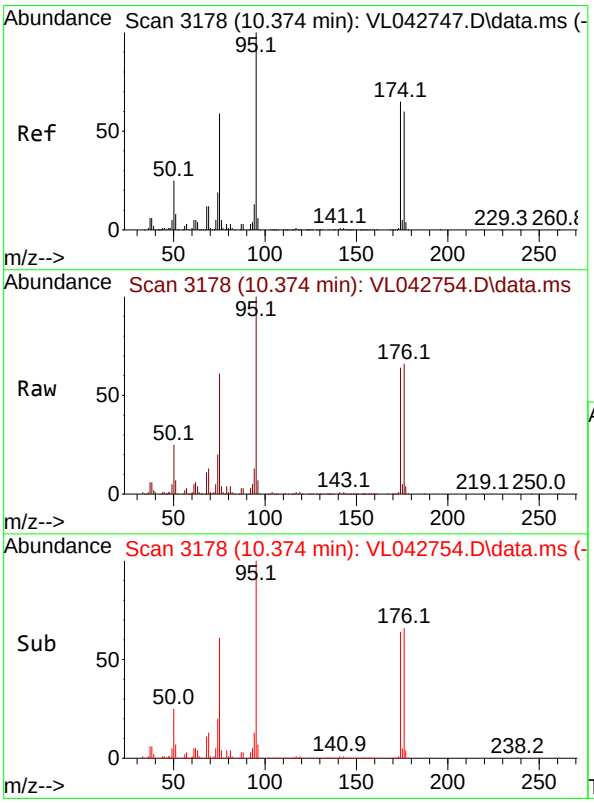
#67
sec-Butylbenzene
Concen: 0.070 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 6449

Ion	Ratio	Lower	Upper
105	100		
134	24.1	15.5	23.3#

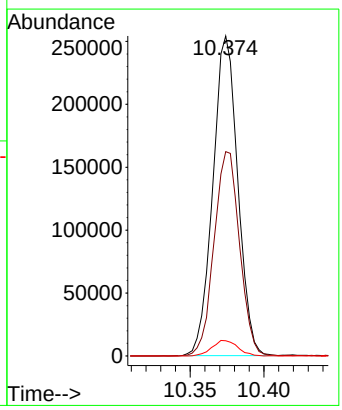


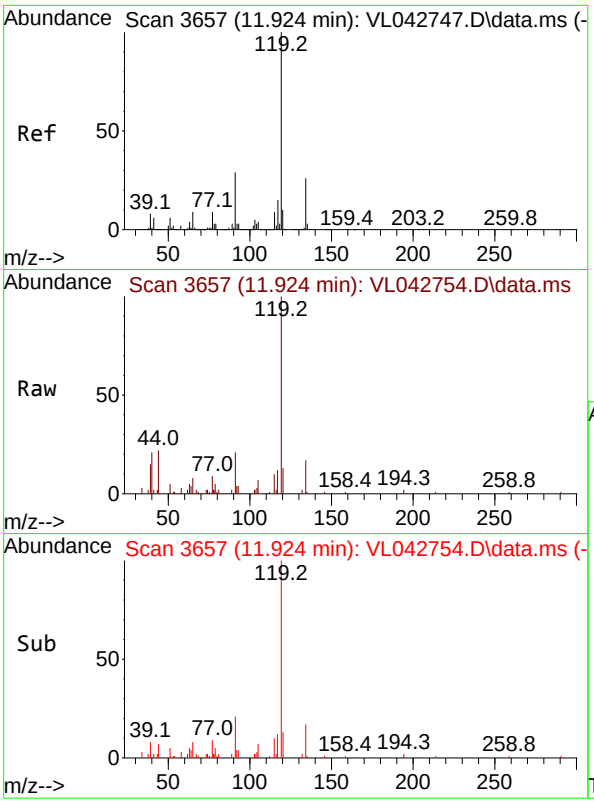


#68
1-Bromo-4-Fluorobenzene
Concen: 9.583 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 95 Resp: 298283

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



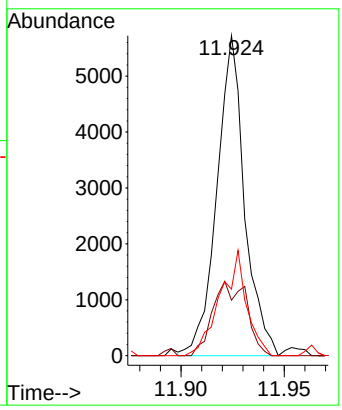


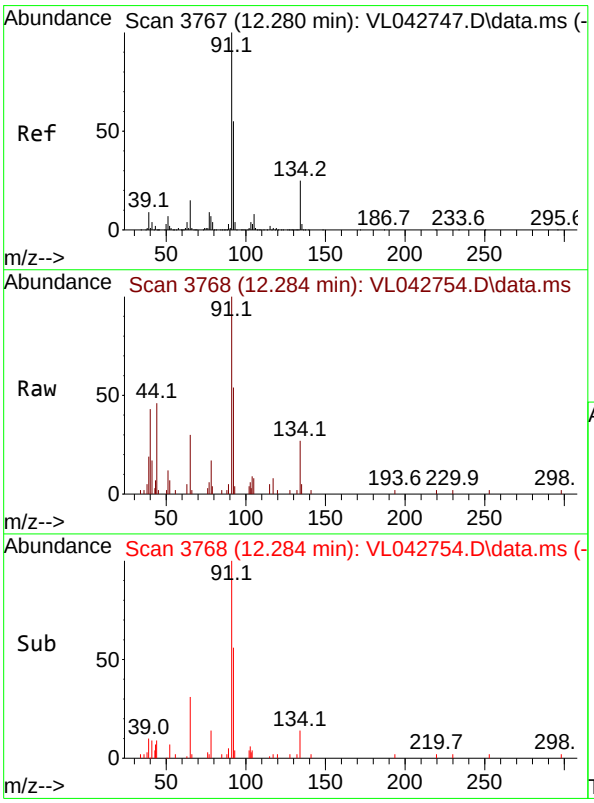
#69
p-Isopropyltoluene
Concen: 0.071 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 5342

Ion	Ratio	Lower	Upper
119	100		
134	29.1	20.6	31.0
91	32.5	23.2	34.8

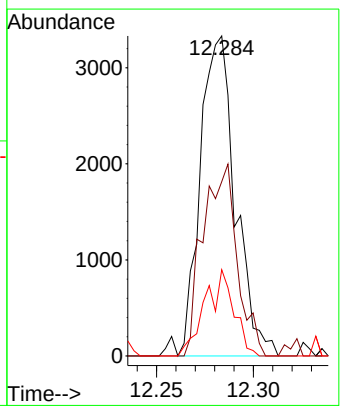


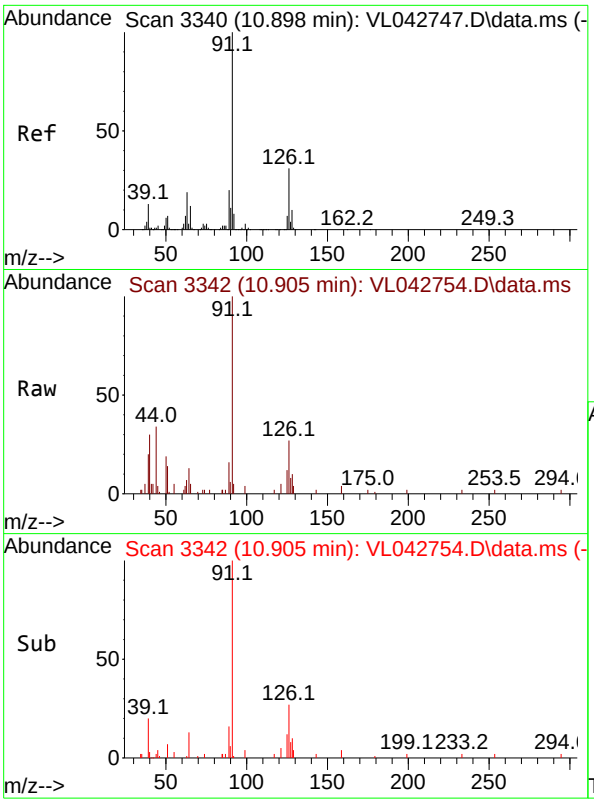


#70
n-Butylbenzene
Concen: 0.058 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 4198

Ion	Ratio	Lower	Upper
91	100		
92	60.2	43.4	65.2
134	23.3	19.6	29.4



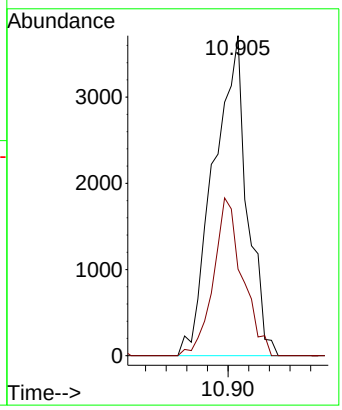


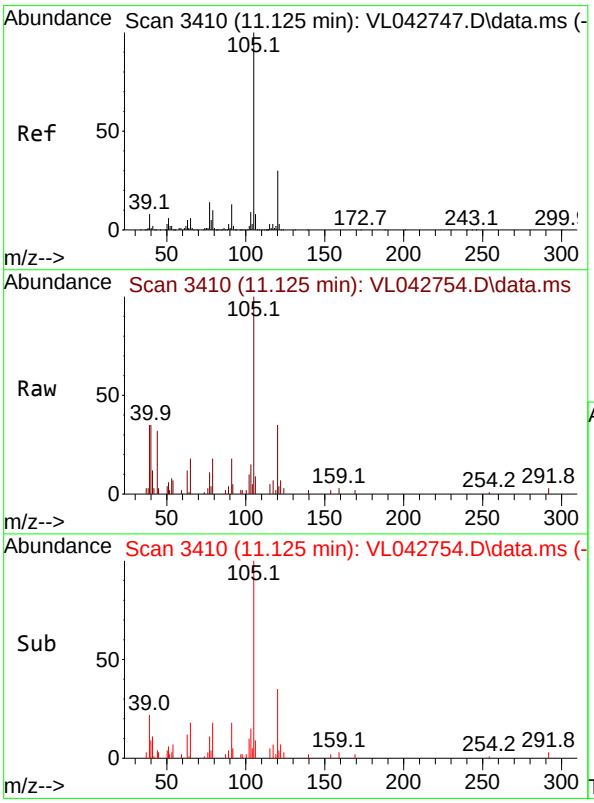
#71
2-Chlorotoluene
Concen: 0.075 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 4180

Ion	Ratio	Lower	Upper
91	100		
126	42.8	12.0	48.2

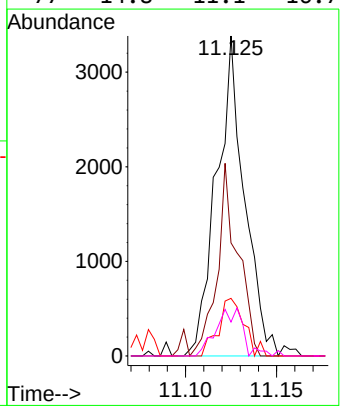


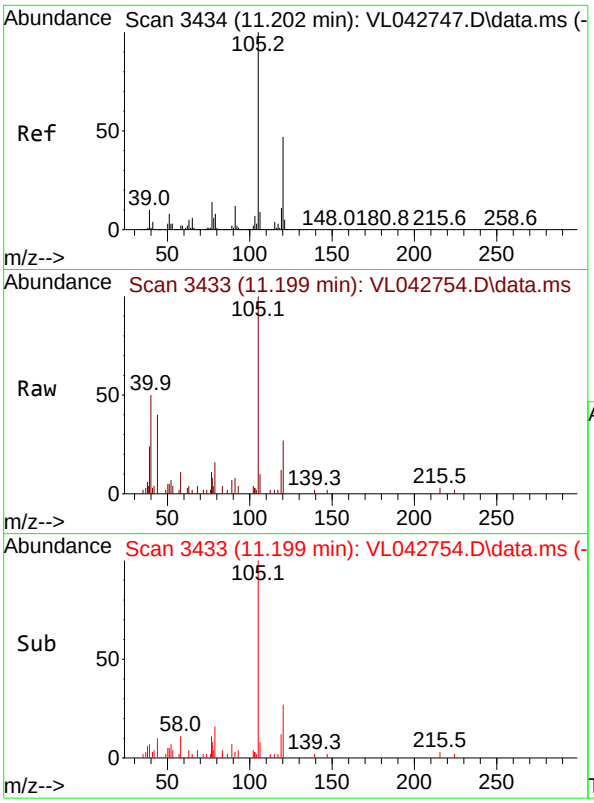


#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 3597

Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.4	36.6#
91	16.8	10.6	15.8#
77	14.8	11.1	16.7



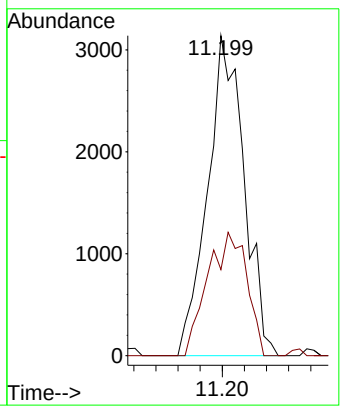


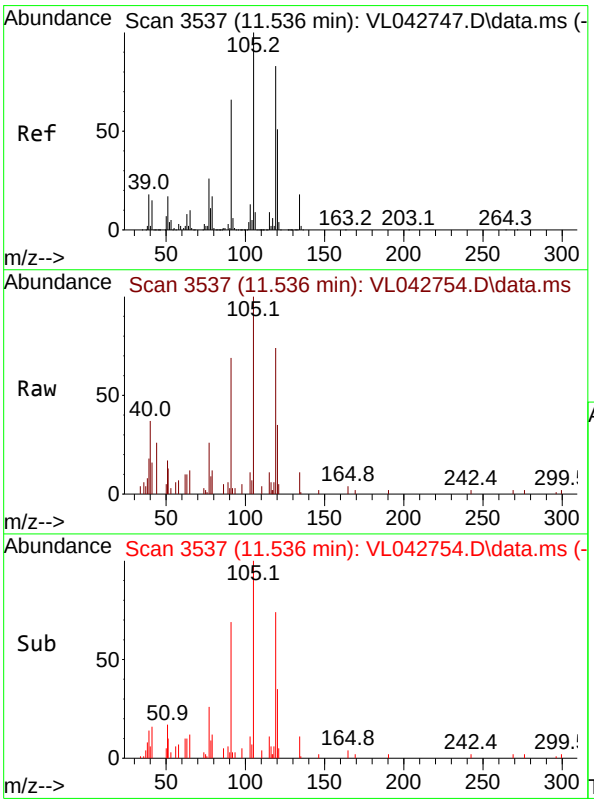
#73
1,3,5-Trimethylbenzene
Concen: 0.074 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 3603

Ion	Ratio	Lower	Upper
105	100		
120	26.9	37.8	56.8#

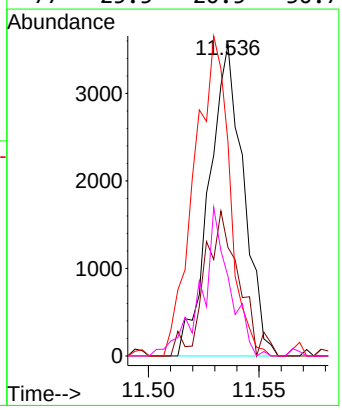


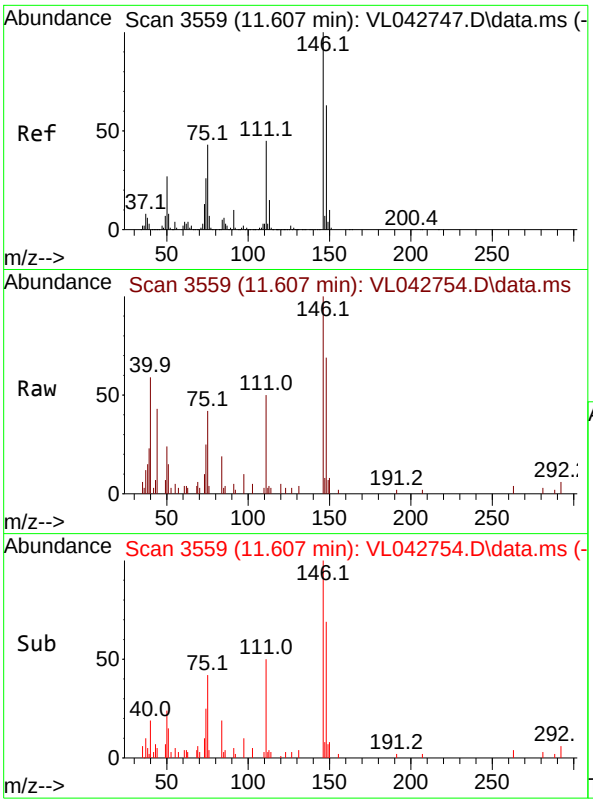


#74
1,2,4-Trimethylbenzene
Concen: 0.072 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 3826

Ion	Ratio	Lower	Upper
105	100		
120	34.8	40.8	61.2#
91	68.7	53.0	79.4
77	25.5	20.5	30.7



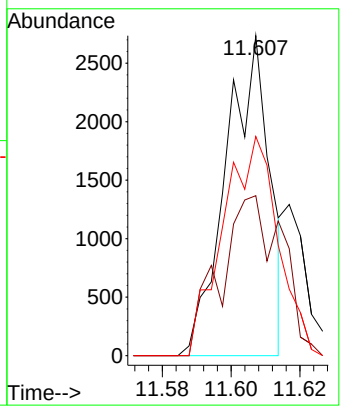


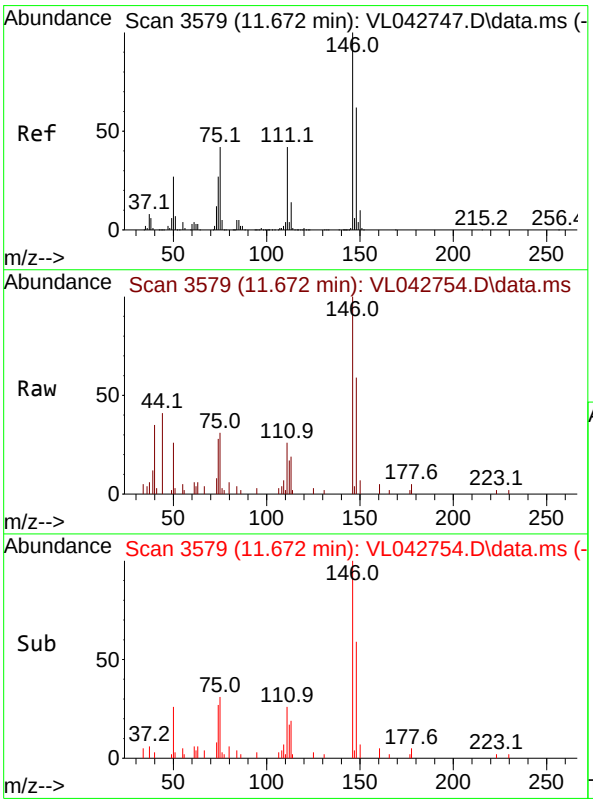
#75
1,3-Dichlorobenzene
Concen: 0.065 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2417

Ion	Ratio	Lower	Upper
146	100		
111	70.0	22.7	68.0#
148	86.3	31.9	95.5

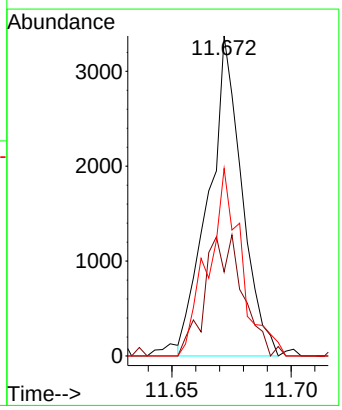


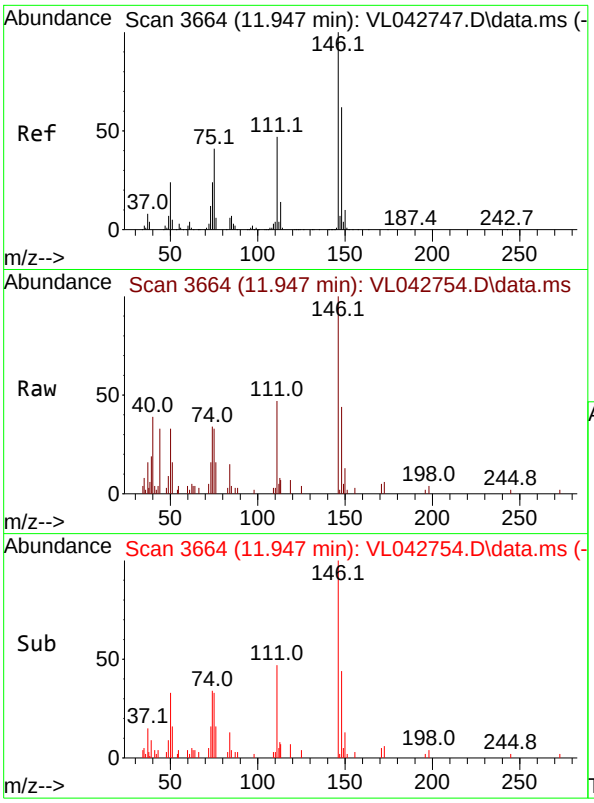


#76
1,4-Dichlorobenzene
Concen: 0.090 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:146 Resp: 3265

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.2
148	58.6	32.1	96.3



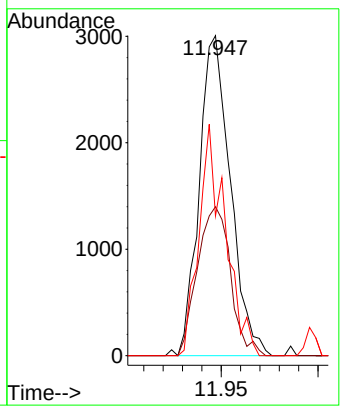


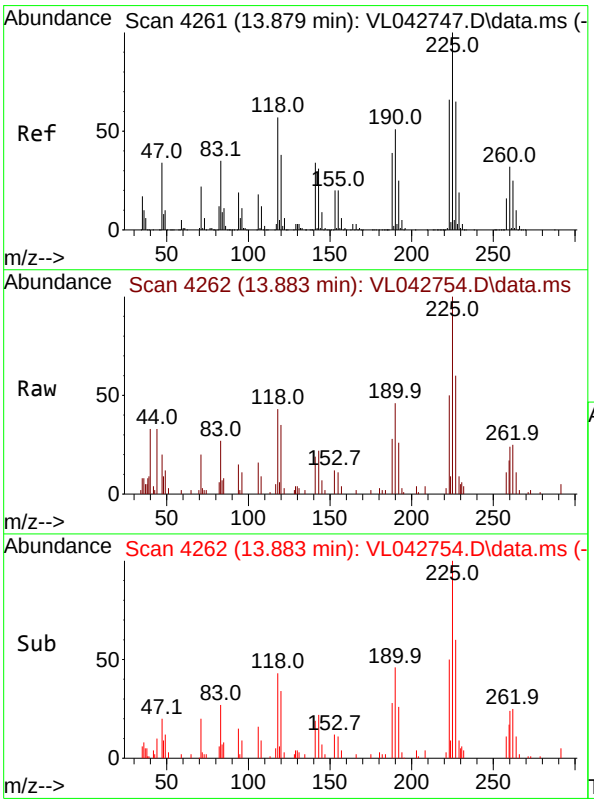
#77
1,2-Dichlorobenzene
Concen: 0.092 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3354

Ion	Ratio	Lower	Upper
146	100		
111	49.5	23.7	71.1
148	61.6	32.6	97.7

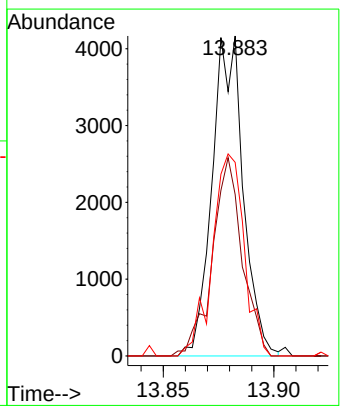


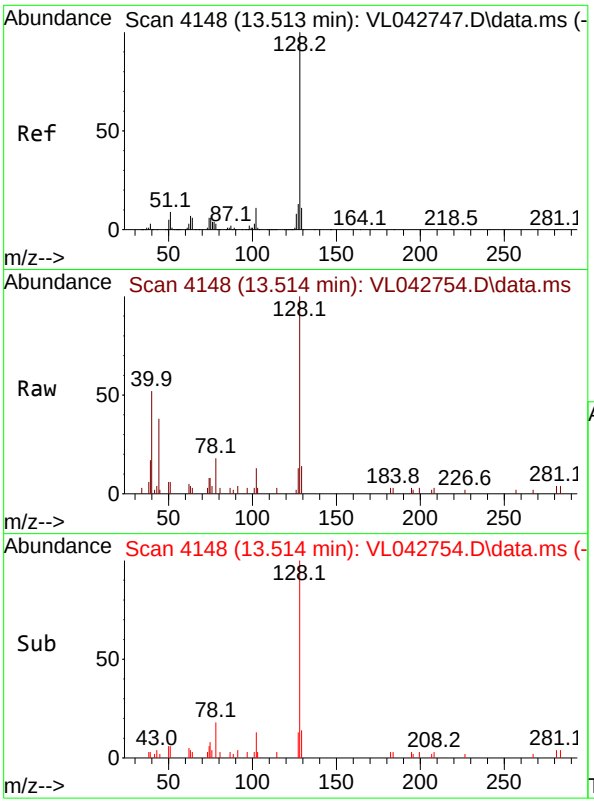


#78
Hexachloro-1,3-Butadiene
Concen: 0.123 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:225 Resp: 4077

Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.7	76.1
227	64.7	50.5	75.7



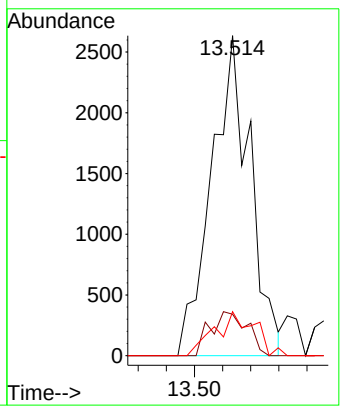


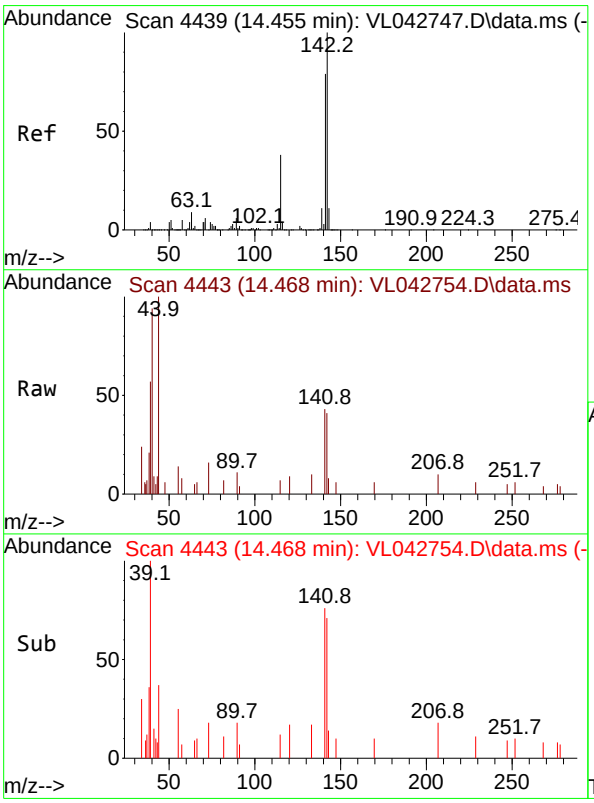
#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 2509

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.7	8.6	13.0#

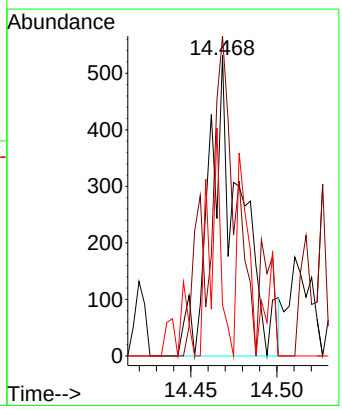


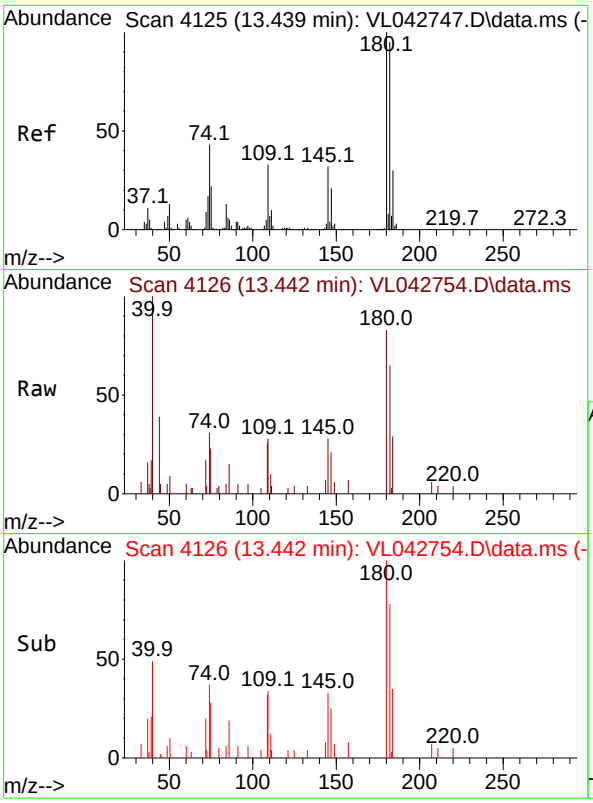


#80
Naphthalene,2-methyl-
Concen: 1.147 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.013 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:142 Resp: 676

Ion	Ratio	Lower	Upper
142	100		
141	103.7	65.8	98.8#
115	65.2	31.2	46.8#



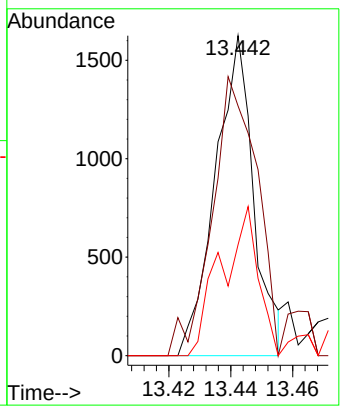


#81
1,2,4-Trichlorobenzene
Concen: 0.475 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 1396

Ion	Ratio	Lower	Upper
180	100		
182	110.8	76.2	114.2
184	53.7	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	148064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	380539	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	313324	10.397	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185425	9.472	ppbv	99
3) Chlorodifluoromethane	1.473	51	242908	9.525	ppbv	99
4) Chloromethane	1.531	50	72221	9.119	ppbv	98
5) Vinyl Chloride	1.577	62	64673	8.265	ppbv	100
6) Bromomethane	1.664	94	27096	8.957	ppbv	99
7) Chloroethane	1.700	64	26125	8.641	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	148833	9.244	ppbv	100
9) Propene	1.479	41	86343	9.316	ppbv	95
10) Heptane	4.965	43	247934	9.921	ppbv	99
11) Trichlorofluoromethane	1.874	101	179643	8.902	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	138363	9.023	ppbv	98
13) Ethanol	1.719	45	7690	10.243	ppbv	92
14) Bromoethene	1.777	108	48972	9.020	ppbv	98
15) Acetone	1.832	43	149742	7.324	ppbv	99
16) 1,3-Butadiene	1.606	39	79112	9.072	ppbv	98
17) tert-Butyl alcohol	2.036	59	170096	9.225	ppbv	98
18) 1,1-Dichloroethene	2.030	96	62149	8.970	ppbv	96
19) Isopropyl Alcohol	1.881	45	97844	9.006	ppbv	99
20) Methylene Chloride	2.056	84	53608	8.320	ppbv	98
21) Allyl Chloride	2.091	41	118958	9.441	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	69482	9.322	ppbv	97
23) Vinyl Acetate	2.457	43	261938	10.568	ppbv	98
24) 1,1-Dichloroethane	2.402	63	137586	8.993	ppbv	99
25) Ethyl Acetate	2.829	43	444208	9.816	ppbv	99
26) Hexane	2.819	57	190523	9.597	ppbv	98
27) Carbon Disulfide	2.146	76	164040	9.652	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	85480	9.114	ppbv	98
29) Chloroform	2.842	83	295808	9.643	ppbv	99
30) Cyclohexane	3.849	84	164554	9.773	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	199970	9.802	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	293074	9.172	ppbv	100
34) 2-Butanone	2.551	43	294837	9.869	ppbv	99
35) Carbon Tetrachloride	3.755	117	310129	9.900	ppbv	96
36) Benzene	3.648	78	393085	9.834	ppbv	99
37) 1,2-Dichloroethane	3.211	62	238249	9.895	ppbv	100
38) Trichloroethene	4.538	130	178600	9.301	ppbv	97
39) 1,2-Dichloropropane	4.305	63	141316	9.578	ppbv	95
40) 1,4-Dioxane	4.570	88	65204	9.481	ppbv #	94
41) Tetrahydrofuran	3.046	42	158159	10.404	ppbv	99
42) Bromodichloromethane	4.477	83	321549	10.254	ppbv	98
43) Methyl Methacrylate	4.865	69	152551	10.738	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	649720	9.973	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	169563	10.643	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	215596	10.679	ppbv		97
47) 1,1,2-Trichloroethane	6.571	97	85637	5.445	ppbv		97
48) Dibromochloromethane	7.380	129	261174	10.460	ppbv		98
49) Bromoform	9.477	173	233573	10.729	ppbv		99
50) 4-Methyl-2-Pentanone	5.736	43	396506	10.303	ppbv		100
51) 2-Hexanone	7.428	43	320740	11.029	ppbv	#	100
52) Tetrachloroethene	8.218	164	151810	9.163	ppbv		98
53) Toluene	6.927	91	441829	10.294	ppbv		100
54) 1,2-Dibromoethane	7.645	107	229563	10.331	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.920	131	193089	9.759	ppbv		99
57) Chlorobenzene	8.914	112	354412	9.623	ppbv		96
58) Ethyl Benzene	9.348	91	631247	10.504	ppbv		99
59) m/p-Xylene	9.545	91	500367	10.418	ppbv	#	32
60) o-Xylene	9.959	91	503849	10.499	ppbv		99
61) Styrene	9.866	104	225799	11.185	ppbv		99
62) Isopropylbenzene	10.536	105	736044	10.398	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.956	83	287775	9.340	ppbv		99
64) n-propylbenzene	10.982	120	193034	10.460	ppbv		98
65) tert-Butylbenzene	11.526	119	660966	10.512	ppbv		99
66) Benzyl Chloride	11.610	91	60055	11.634	ppbv		99
67) sec-Butylbenzene	11.762	105	914046	10.221	ppbv		100
69) p-Isopropyltoluene	11.921	119	778601	10.677	ppbv		99
70) n-Butylbenzene	12.277	91	788734	11.197	ppbv		99
71) 2-Chlorotoluene	10.895	91	563193	10.376	ppbv		99
72) 4-Ethyltoluene	11.121	105	617355	10.772	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	516735	10.951	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	567186	11.017	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	366855	10.165	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	364937	10.333	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	348999	9.839	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	291861	9.091	ppbv		99
79) Naphthalene	13.510	128	578563	10.342	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	277798	9.951	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	319897	10.181	ppbv		100

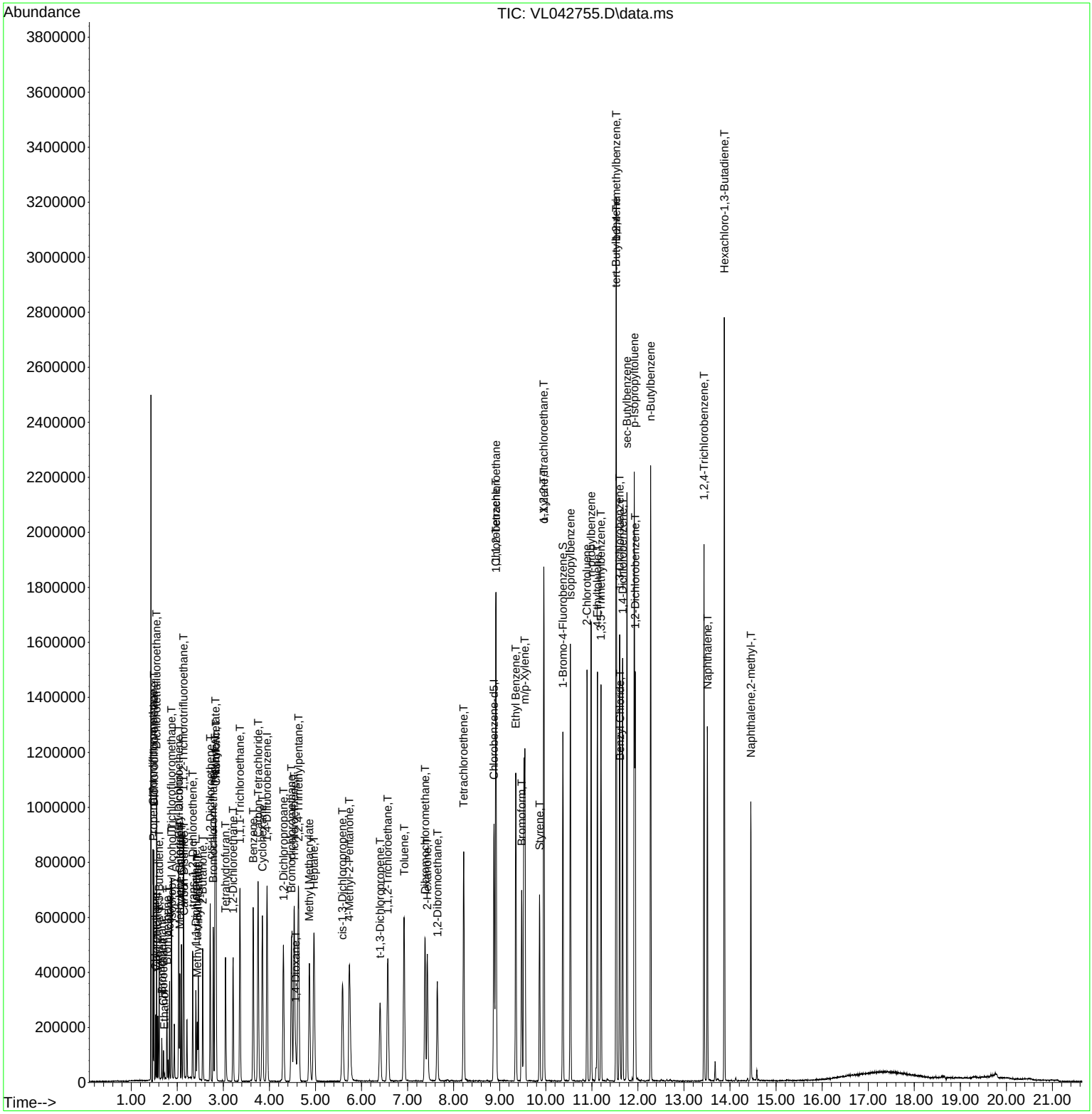
(#) = qualifier out of range (m) = manual integration (+) = signals summed

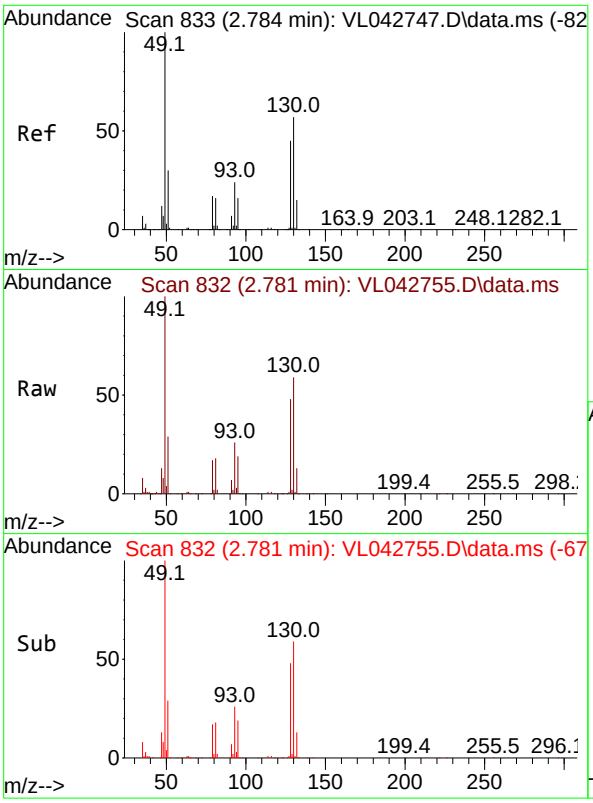
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



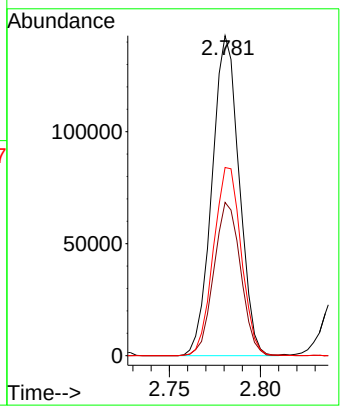


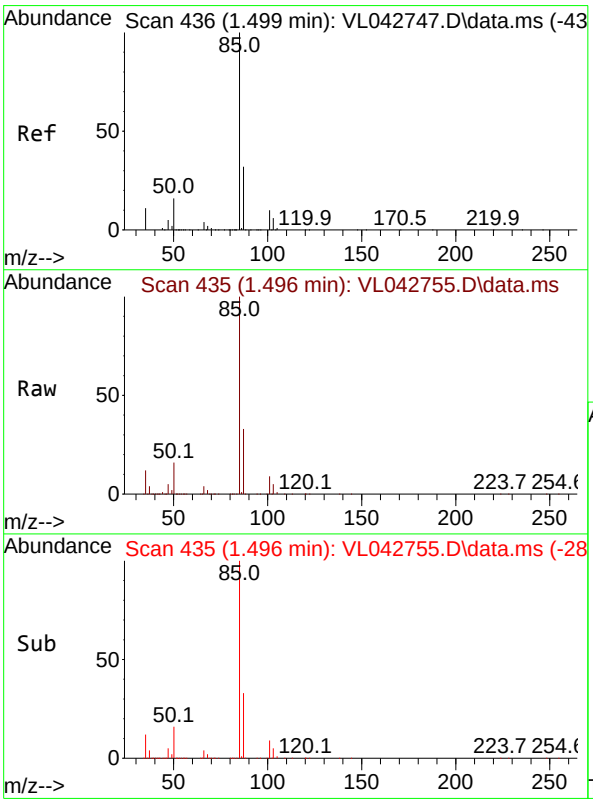
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 49 Resp: 148064

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	60.2	30.3	90.8

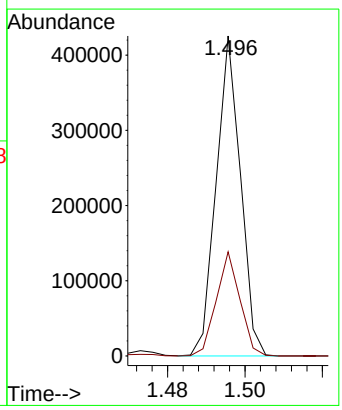


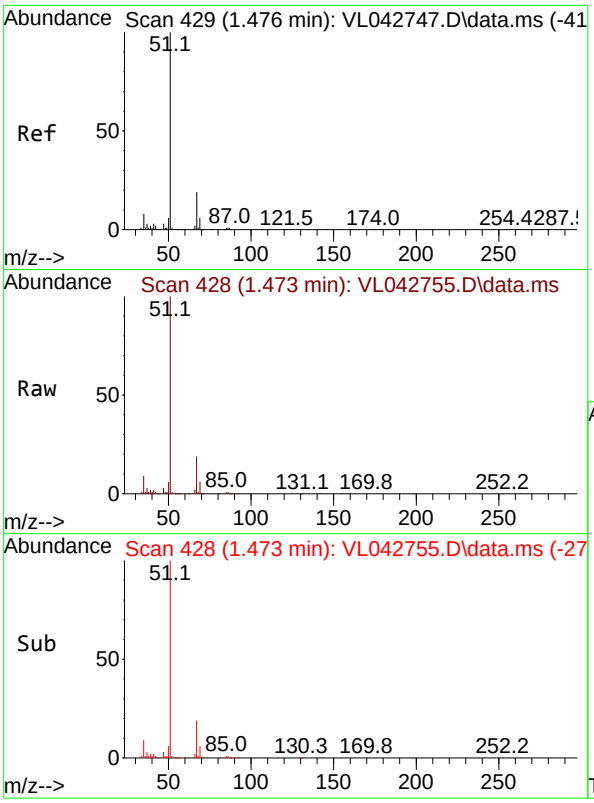


#2
Dichlorodifluoromethane
Concen: 9.472 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 185425

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2



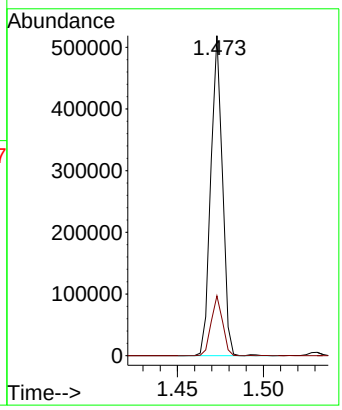


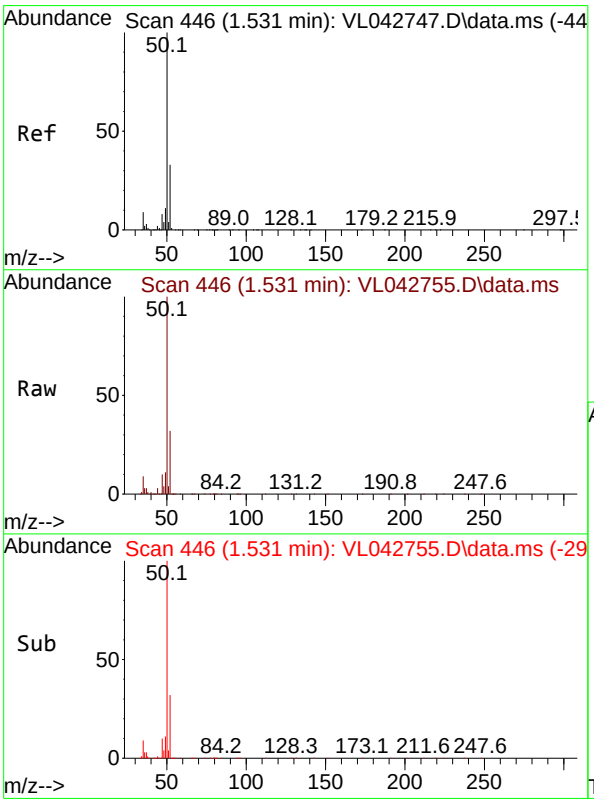
#3
Chlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 51 Resp: 242908

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.0	22.6

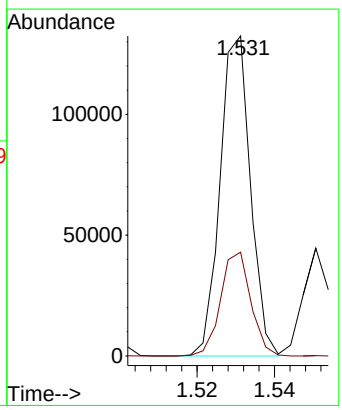


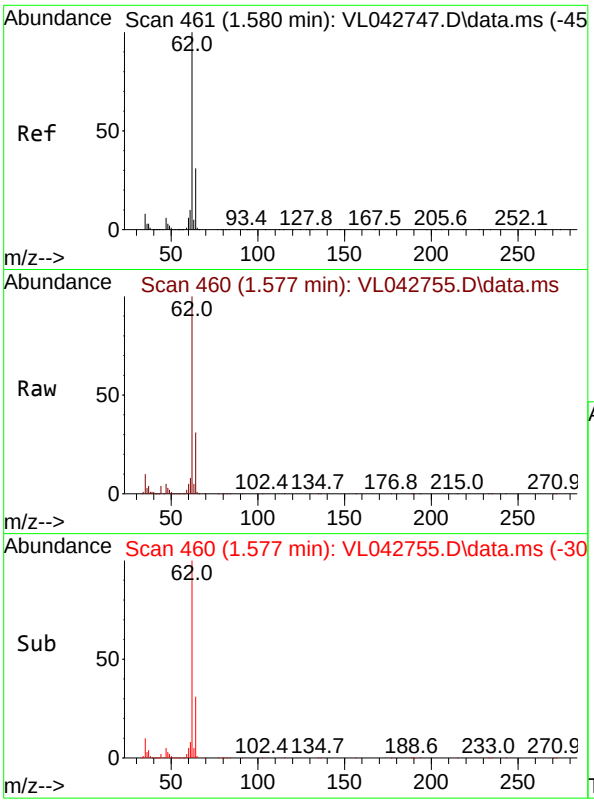


#4
Chloromethane
Concen: 9.119 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 50 Resp: 72221

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	40.0



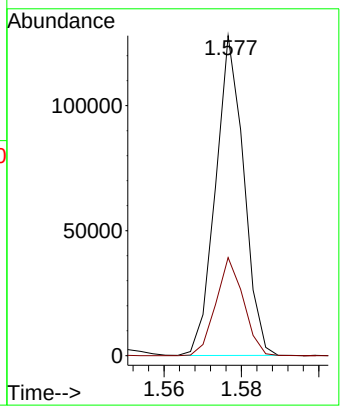


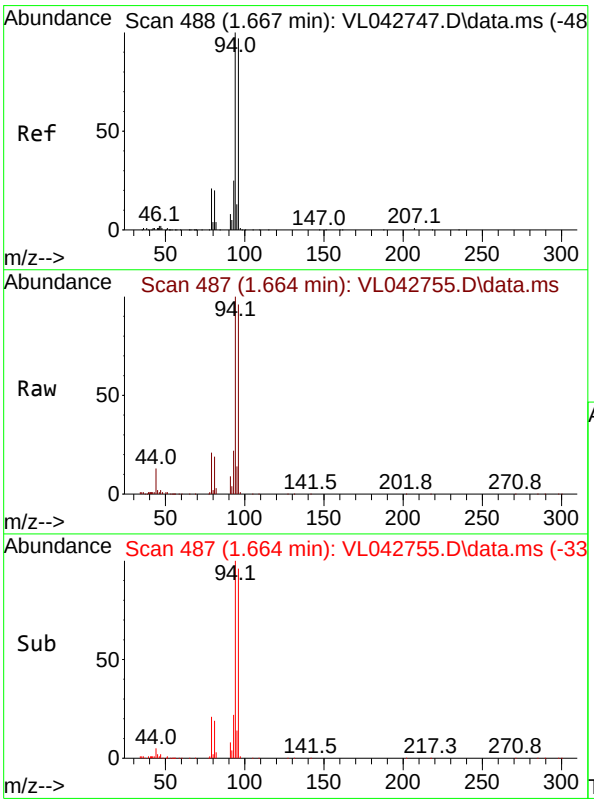
#5
Vinyl Chloride
Concen: 8.265 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 62 Resp: 64673

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.5	36.7

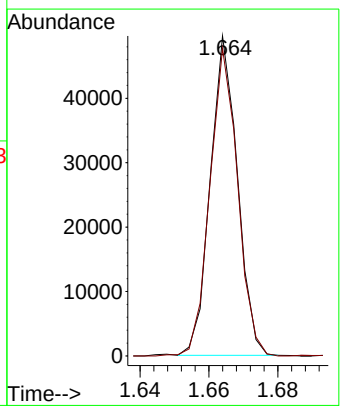


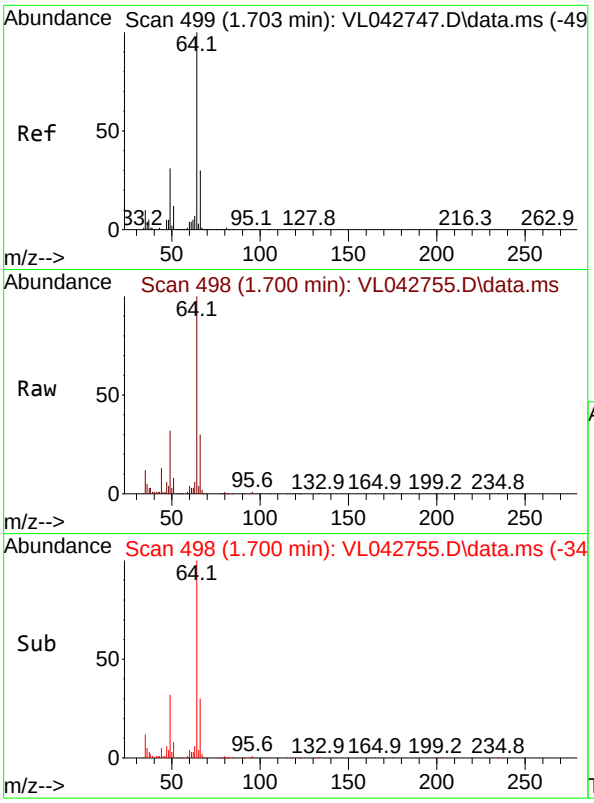


#6
Bromomethane
Concen: 8.957 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 27096

Ion	Ratio	Lower	Upper
94	100		
96	96.3	77.6	116.4



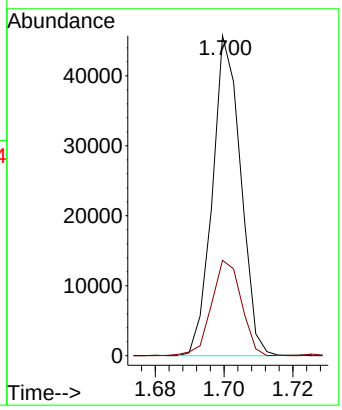


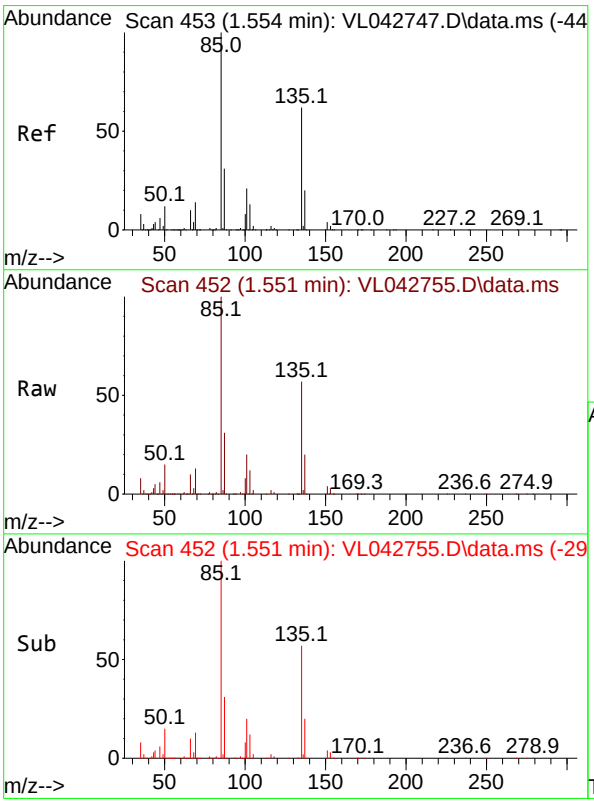
#7
Chloroethane
Concen: 8.641 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 64 Resp: 26125

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.1	36.1

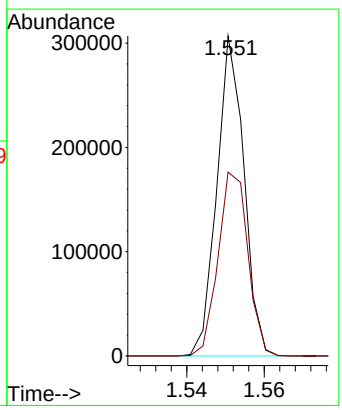


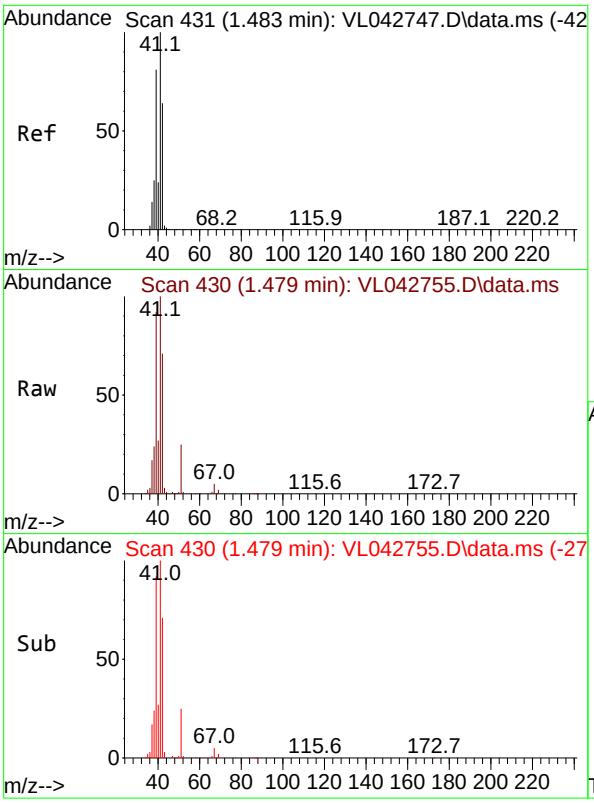


#8
Dichlorotetrafluoroethane
Concen: 9.244 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 148833

Ion	Ratio	Lower	Upper
85	100		
135	63.6	50.6	76.0



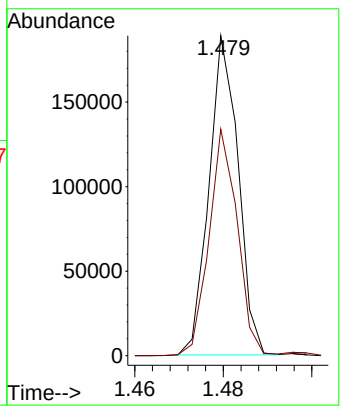


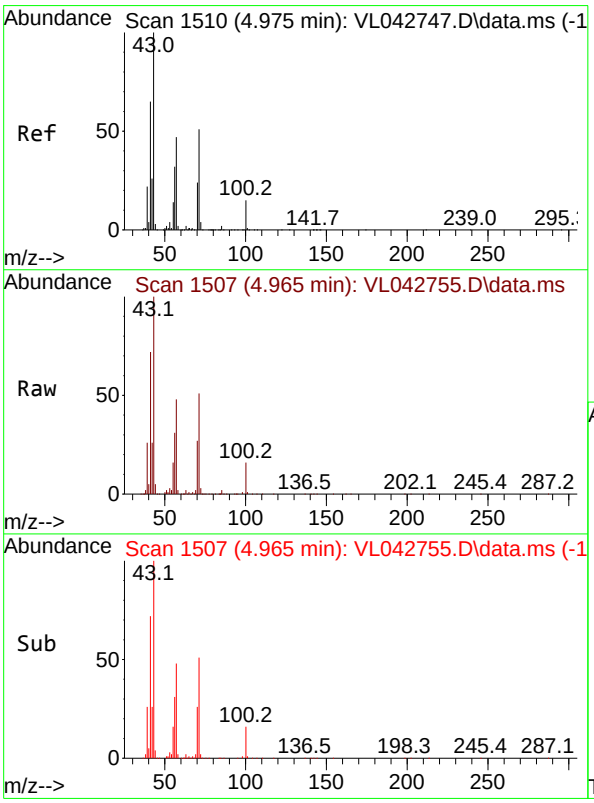
#9
Propene
Concen: 9.316 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 41 Resp: 86343

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.2	79.8

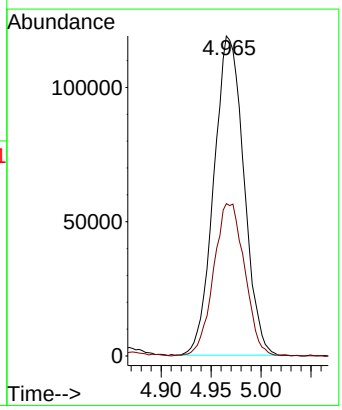


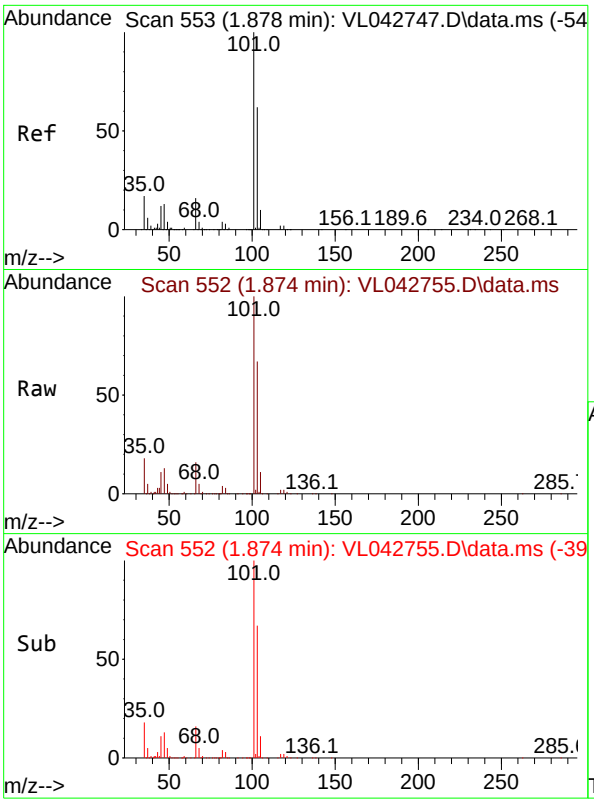


#10
Heptane
Concen: 9.921 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 247934

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.9	59.9



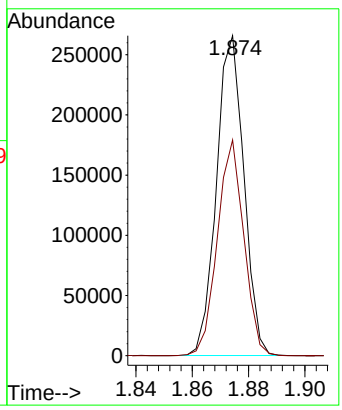


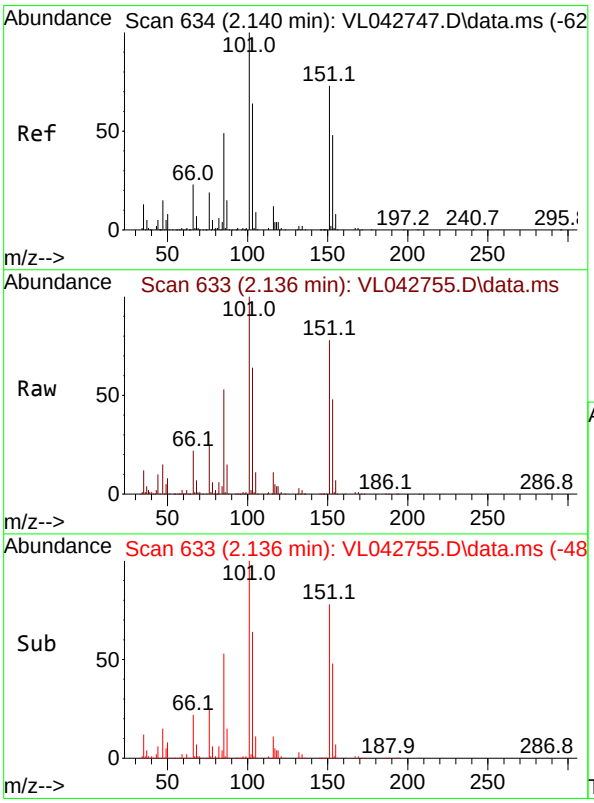
#11
Trichlorofluoromethane
Concen: 8.902 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:101 Resp: 179643

Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.6	74.4

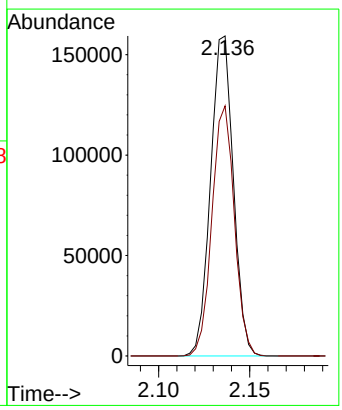


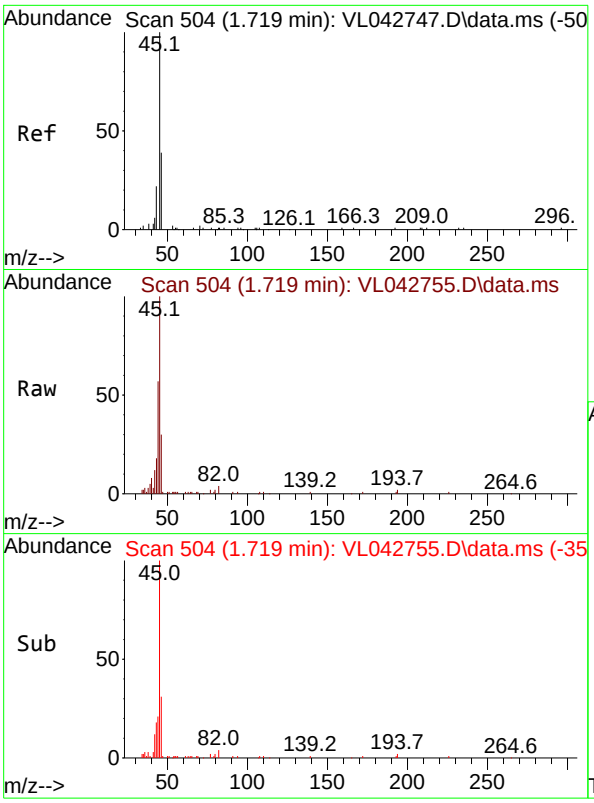


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.023 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 138363

Ion	Ratio	Lower	Upper
101	100		
151	76.9	60.5	90.7



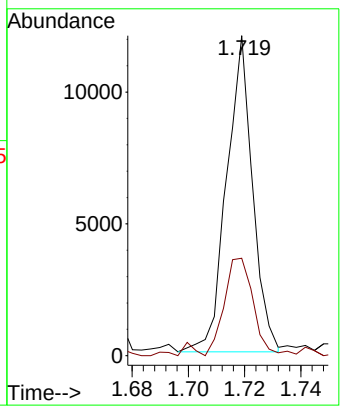


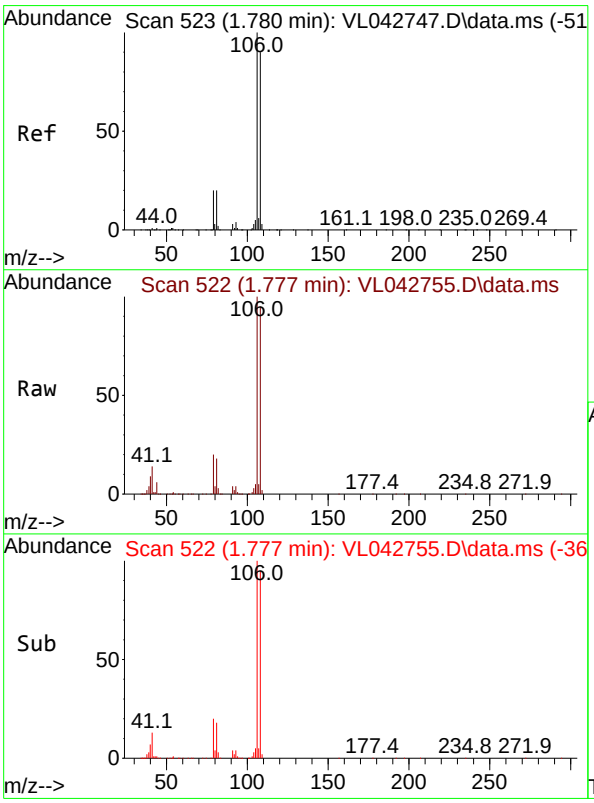
#13
Ethanol
Concen: 10.243 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 45 Resp: 7690

Ion	Ratio	Lower	Upper
45	100		
46	39.7	17.8	71.4

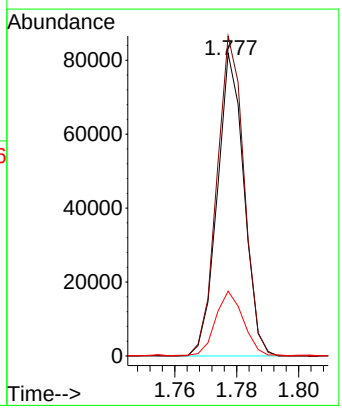


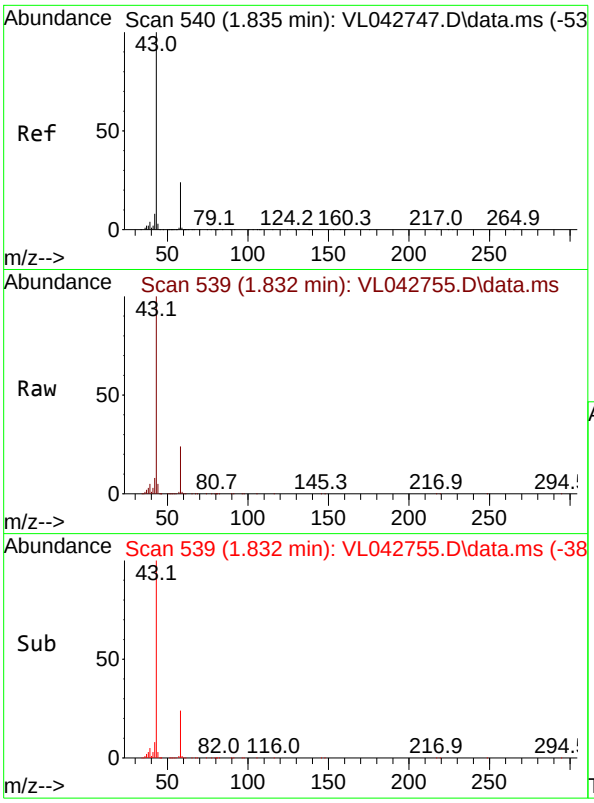


#14
Bromoethene
Concen: 9.020 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:108 Resp: 48972

Ion	Ratio	Lower	Upper
108	100		
106	107.5	84.7	127.1
79	23.5	17.4	26.2



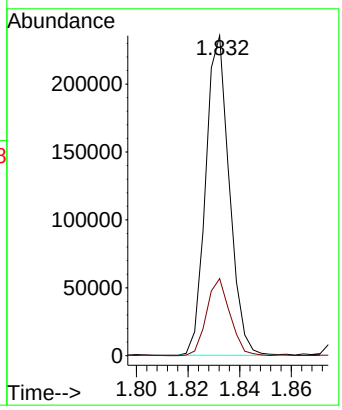


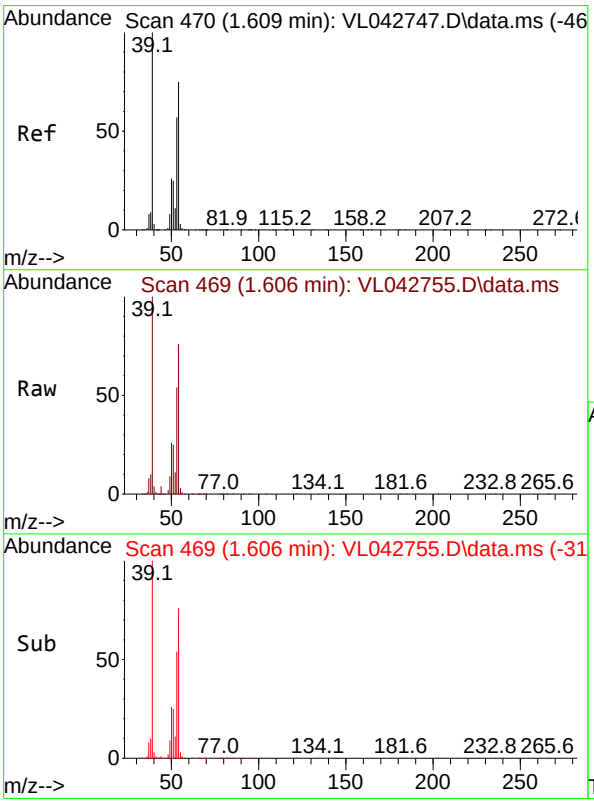
#15
Acetone
Concen: 7.324 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 149742

Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.8	29.8

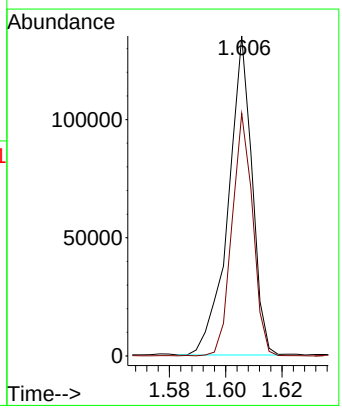


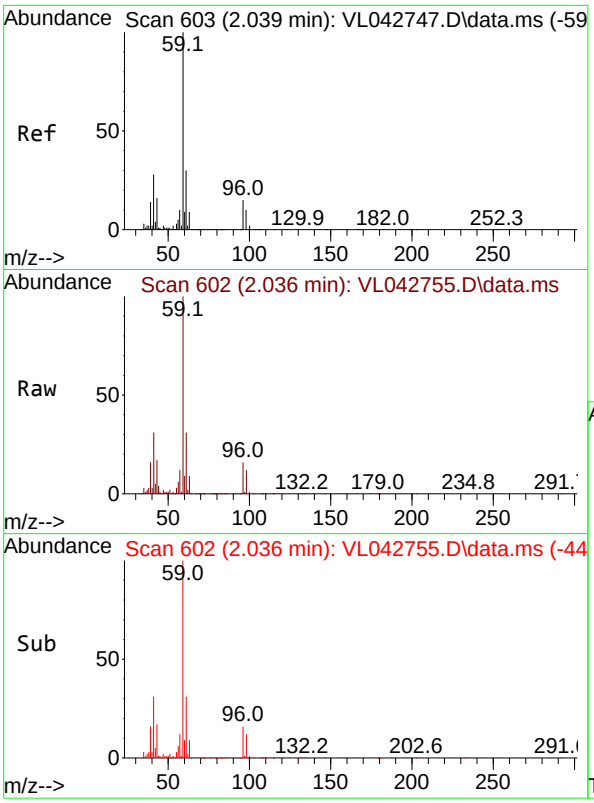


#16
1,3-Butadiene
Concen: 9.072 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 39 Resp: 79112

Ion	Ratio	Lower	Upper
39	100		
54	66.6	54.5	81.7



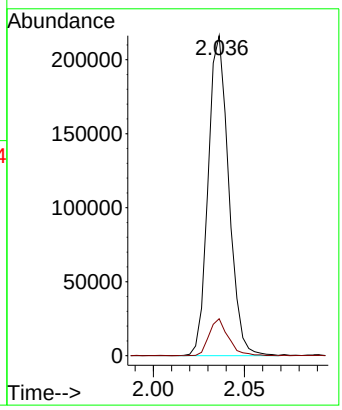


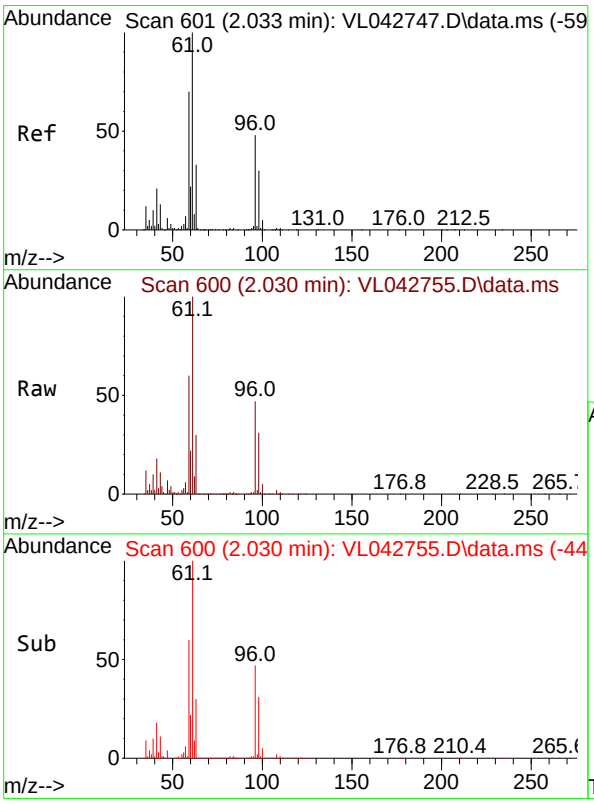
#17
tert-Butyl alcohol
Concen: 9.225 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 59 Resp: 170096

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

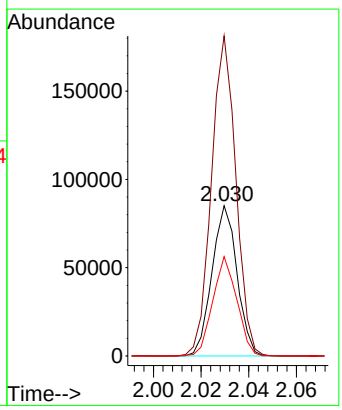


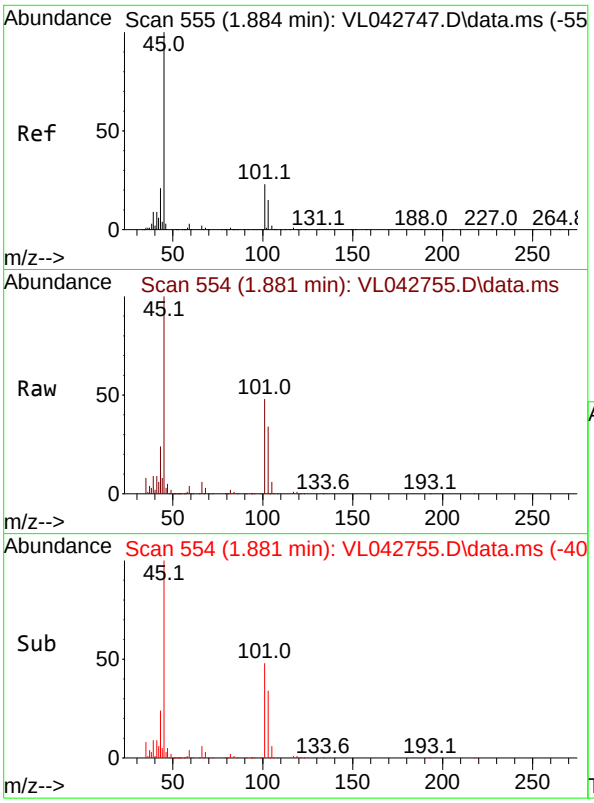


#18
1,1-Dichloroethene
Concen: 8.970 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 62149

Ion	Ratio	Lower	Upper
96	100		
61	212.9	165.8	248.6
98	66.1	49.9	74.9



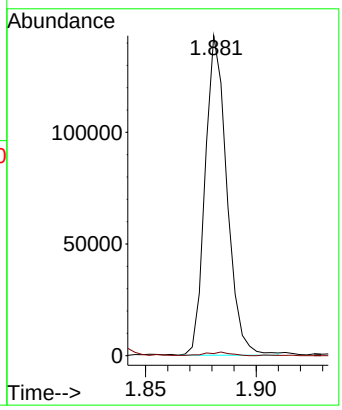


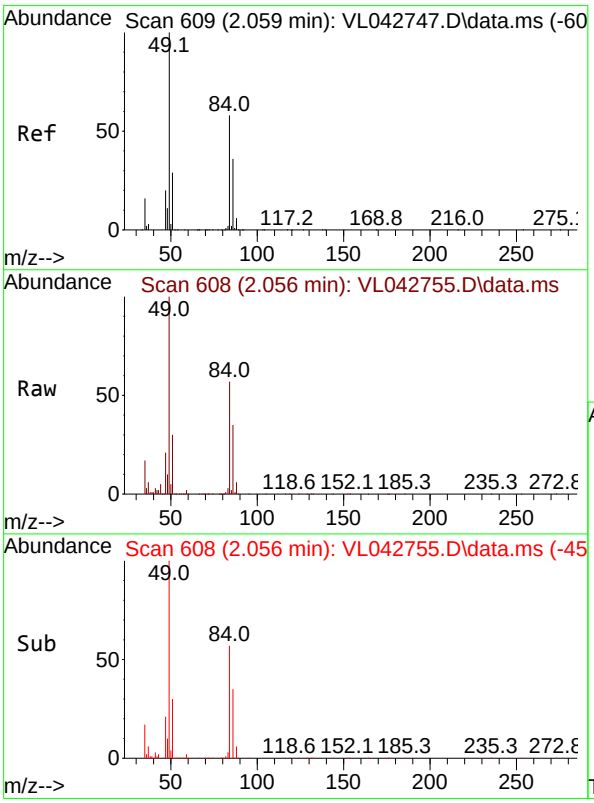
#19
Isopropyl Alcohol
Concen: 9.006 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 45 Resp: 97844

Ion	Ratio	Lower	Upper
45	100		
58	37.1	30.0	45.0

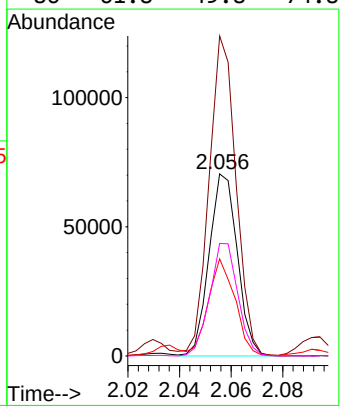


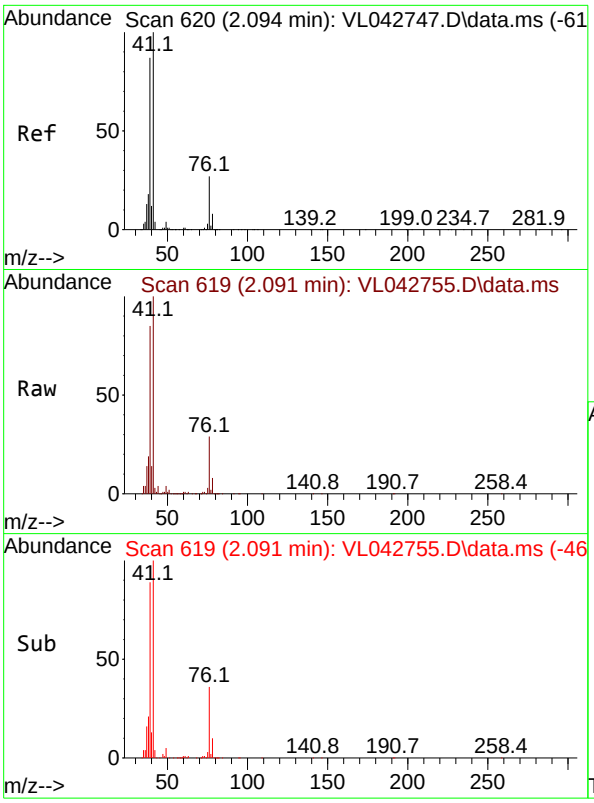


#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 53608

Ion	Ratio	Lower	Upper
84	100		
49	175.3	138.6	208.0
51	53.0	40.6	61.0
86	61.8	49.8	74.8



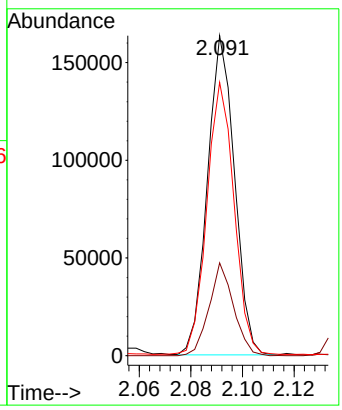


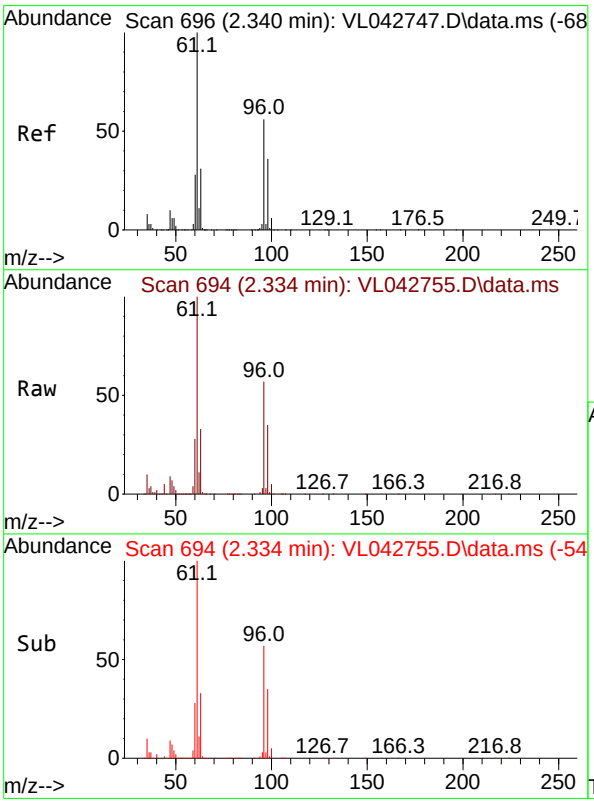
#21
Allyl Chloride
Concen: 9.441 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 41 Resp: 118958

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	85.9	68.3	102.5

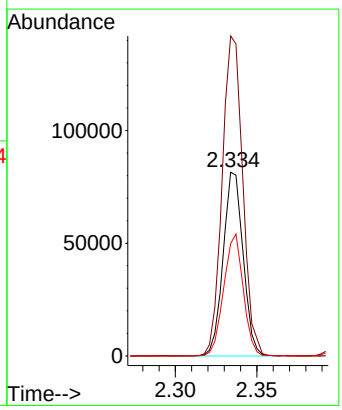


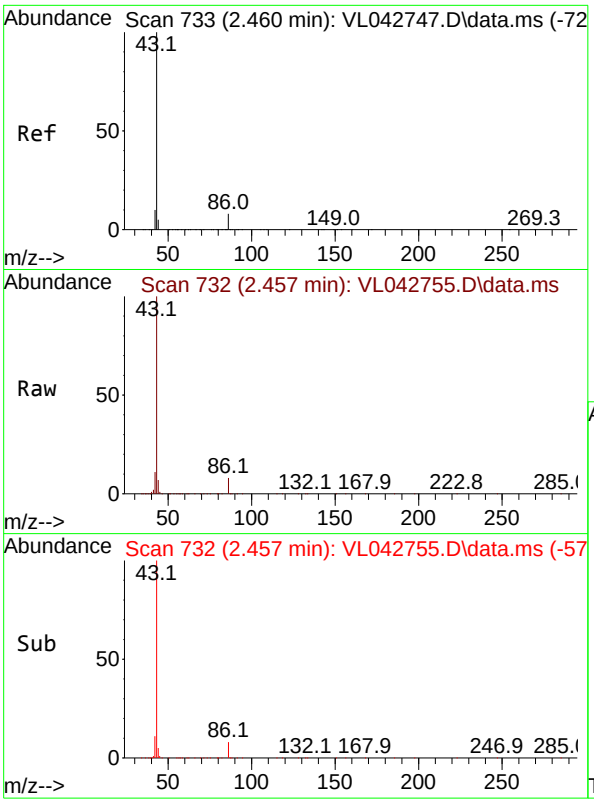


#22
trans-1,2-Dichloroethene
Concen: 9.322 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 69482

Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.3	213.5
98	61.3	50.6	76.0



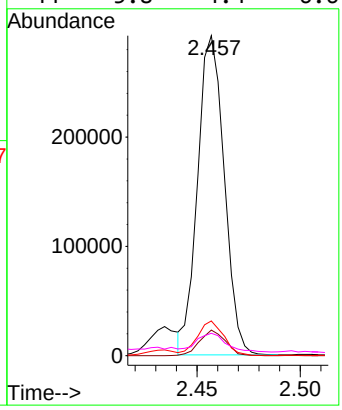


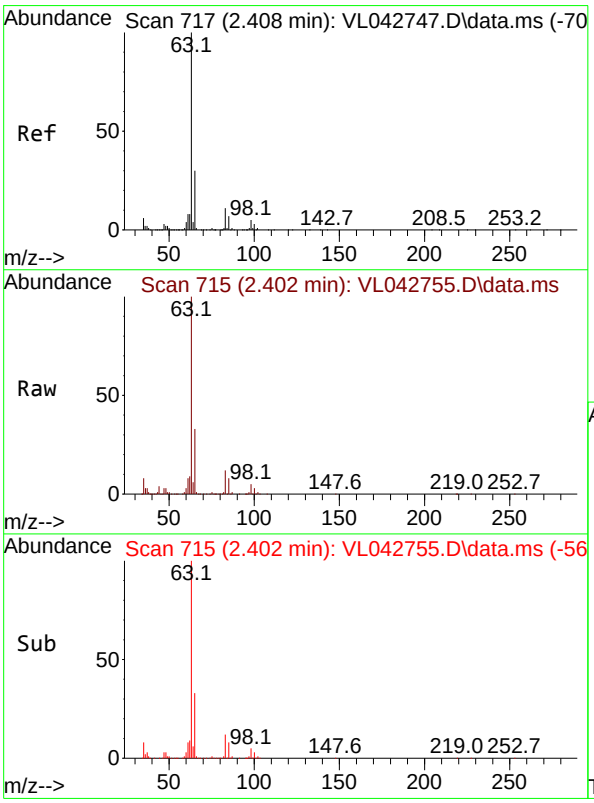
#23
Vinyl Acetate
Concen: 10.568 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 261938

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	10.7	7.8	11.8
44	5.8	4.4	6.6

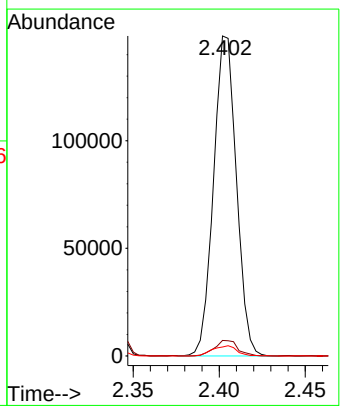


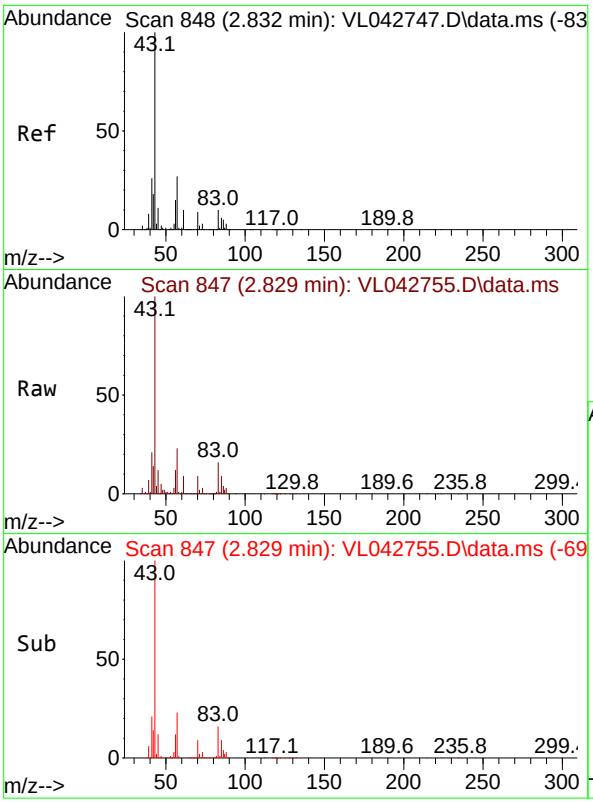


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 137586

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	2.8	1.6	4.8



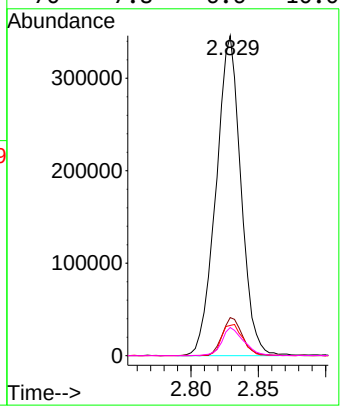


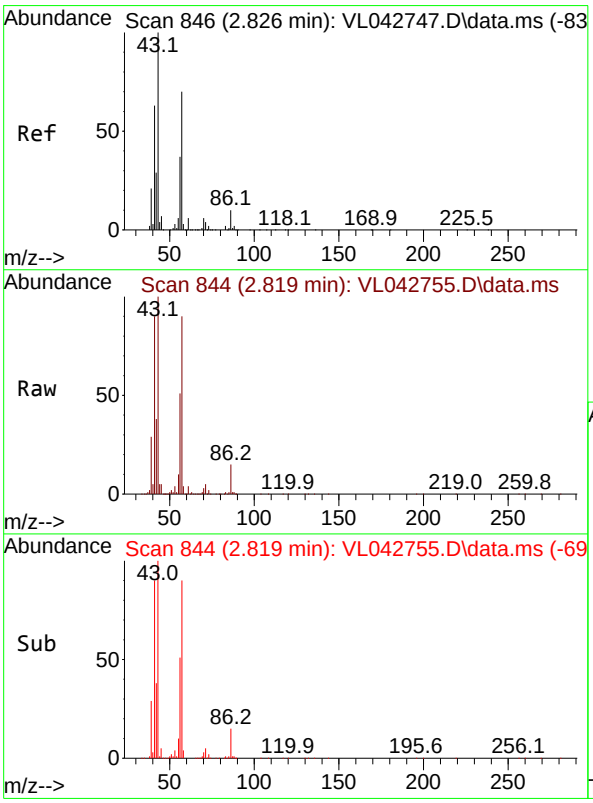
#25
Ethyl Acetate
Concen: 9.816 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 444208

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	6.7	10.1
70	7.8	6.6	10.0

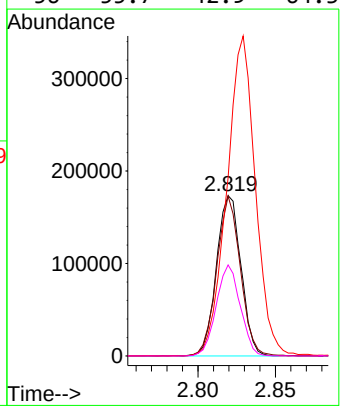


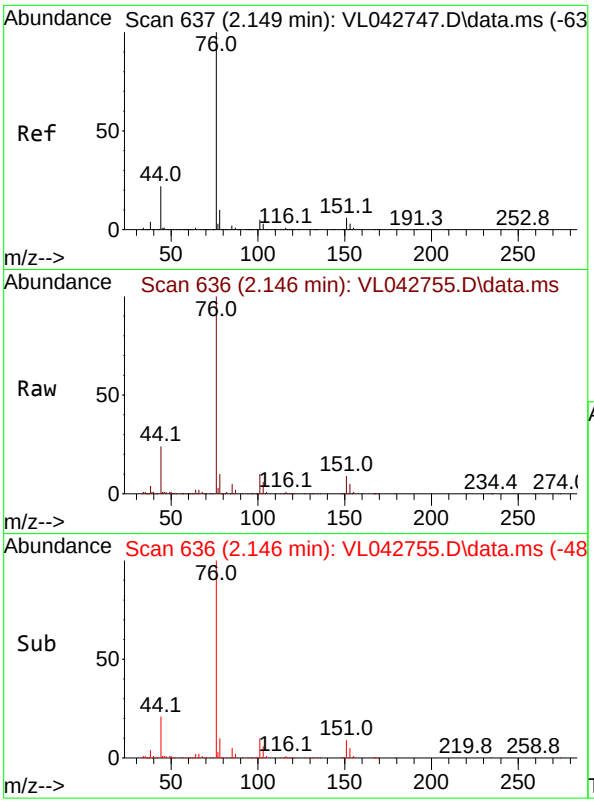


#26
Hexane
Concen: 9.597 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 190523

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.4	113.2
43	234.2	185.0	277.6
56	55.7	42.9	64.3



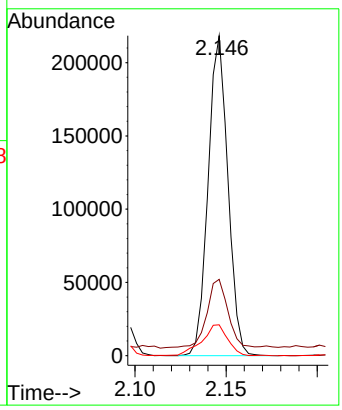


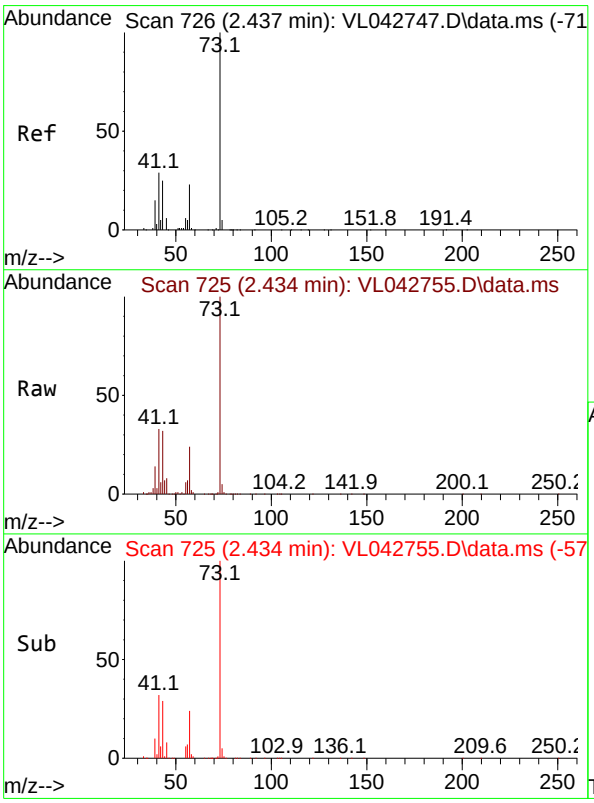
#27
Carbon Disulfide
Concen: 9.652 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 76 Resp: 164040

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.3	28.9
78	12.7	9.9	14.9

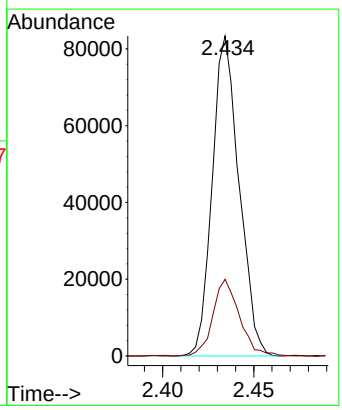


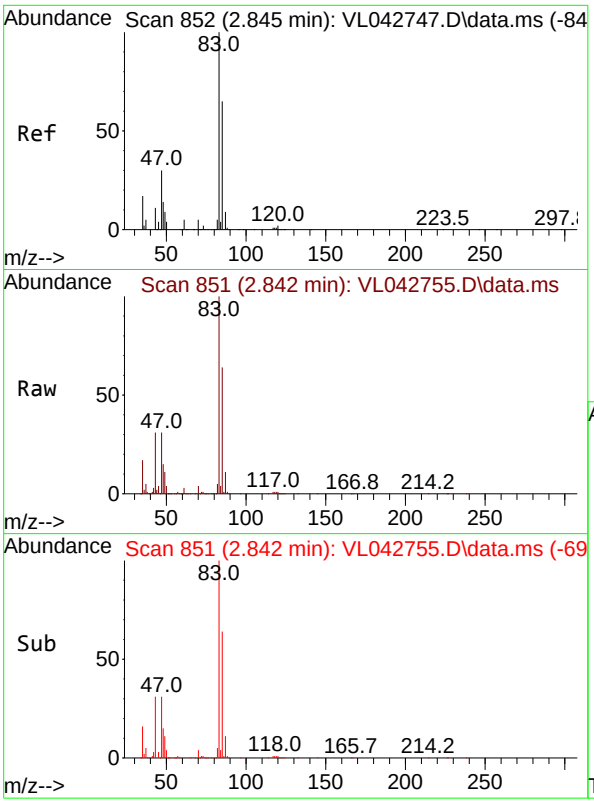


#28
Methyl tert-Butyl Ether
Concen: 9.114 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 73 Resp: 85480

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.8	29.8



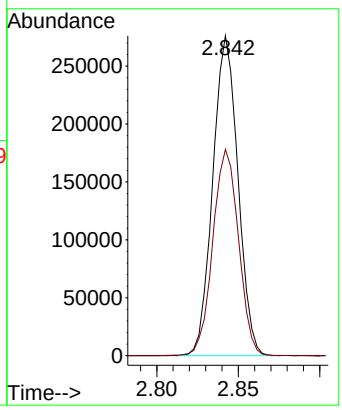


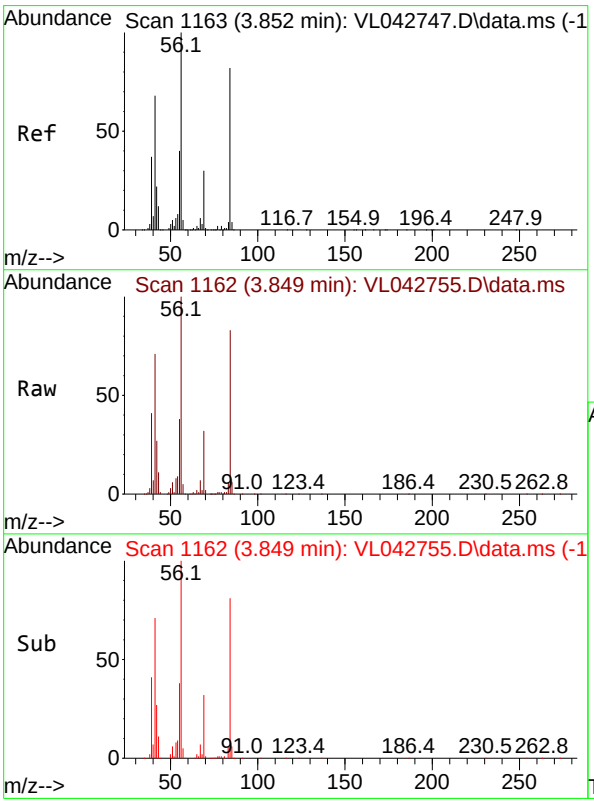
#29
Chloroform
Concen: 9.643 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 83 Resp: 295808

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2

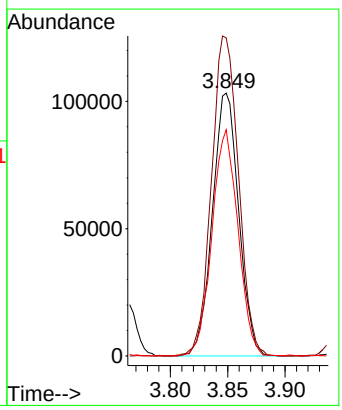


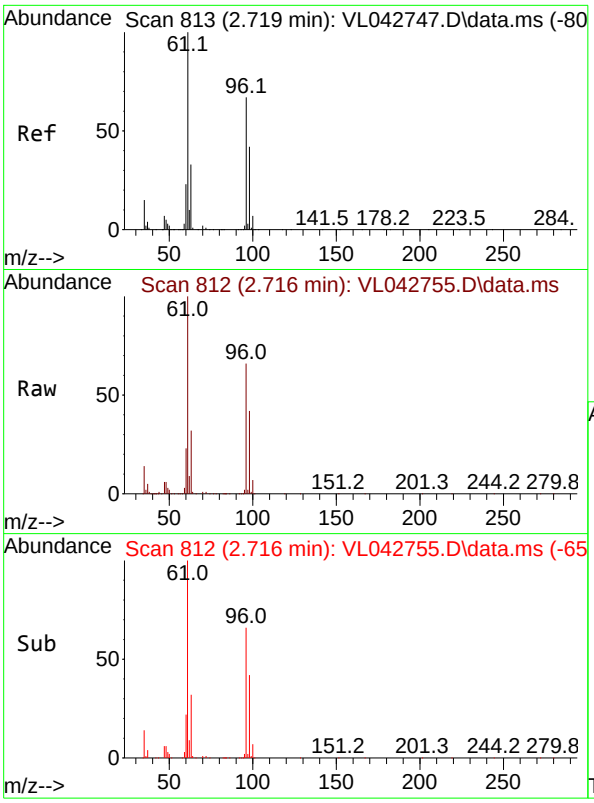


#30
Cyclohexane
Concen: 9.773 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 164554

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	85.5	67.2	100.8



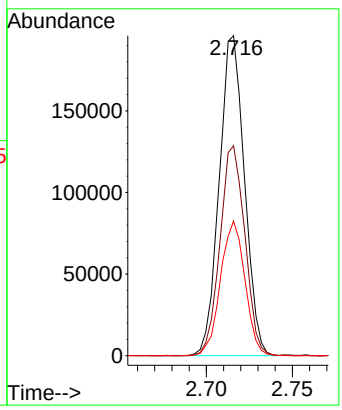


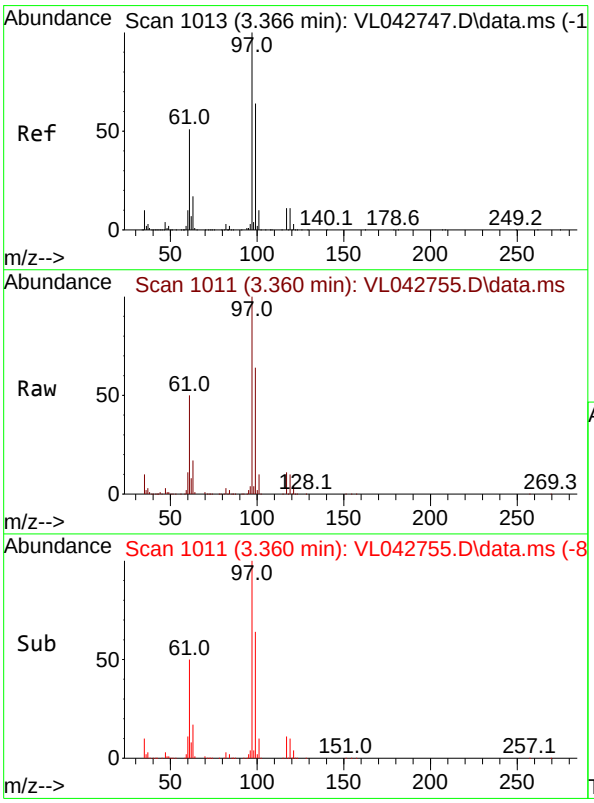
#31
cis-1,2-Dichloroethene
Concen: 9.802 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 61 Resp: 199970

Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.5	80.3
98	42.1	33.6	50.4

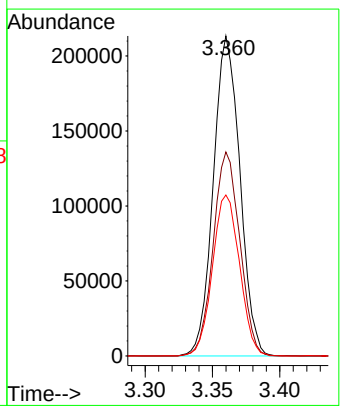


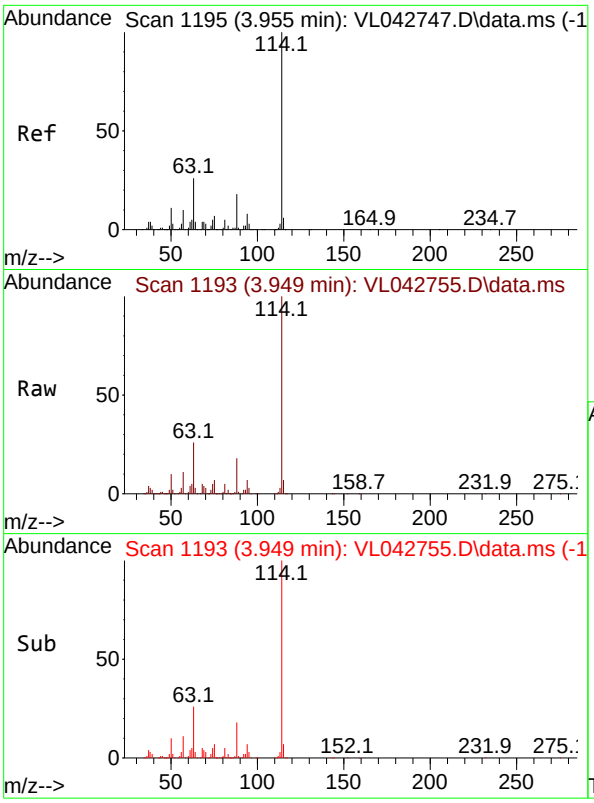


#32
1,1,1-Trichloroethane
Concen: 9.172 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 293074

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	51.4	40.9	61.3



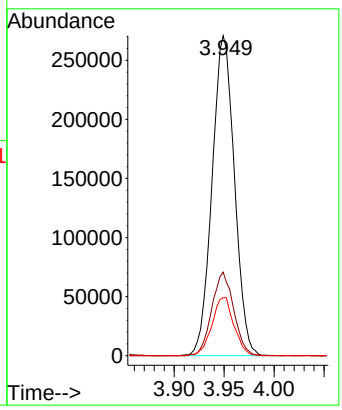


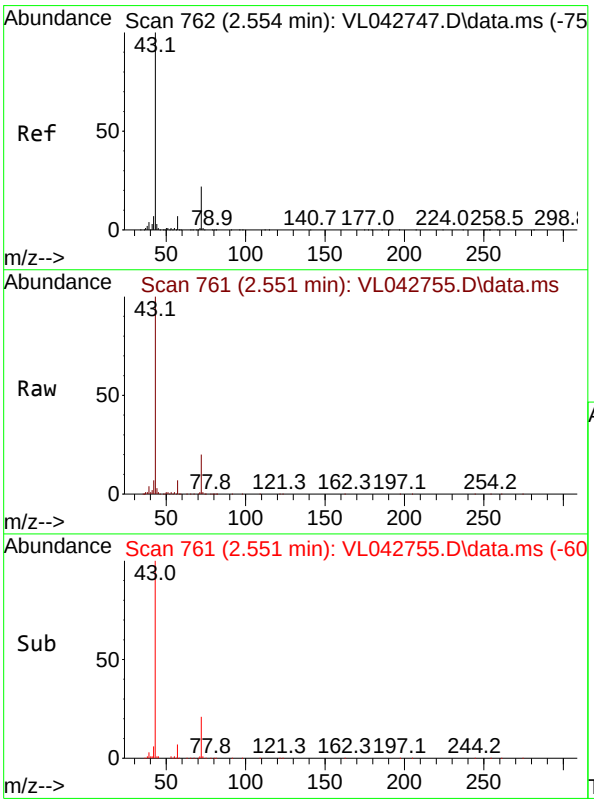
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:114 Resp: 421747

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.8	14.0	21.0

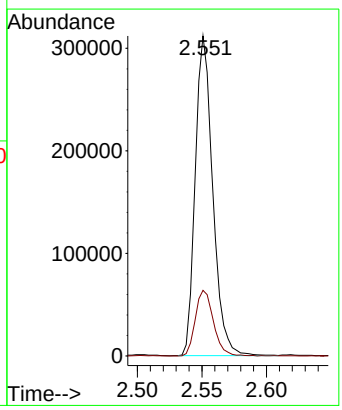


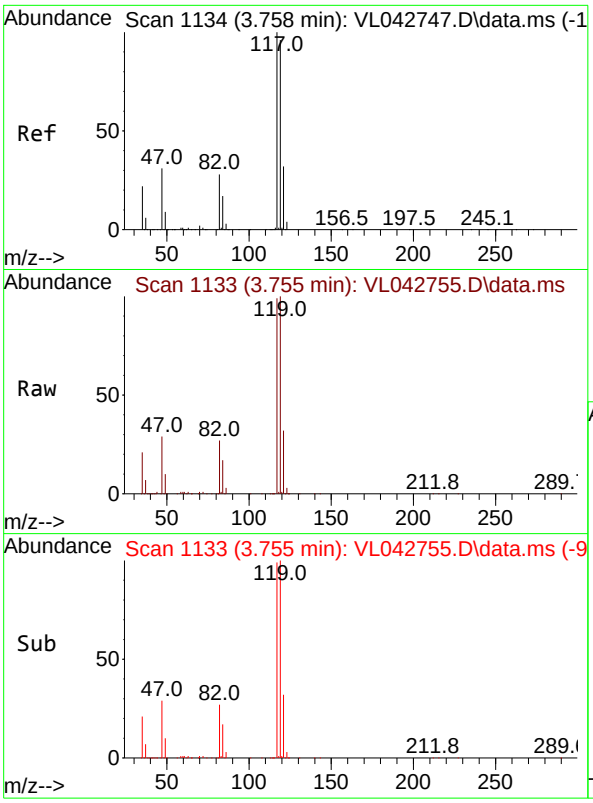


#34
2-Butanone
Concen: 9.869 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 294837

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.0



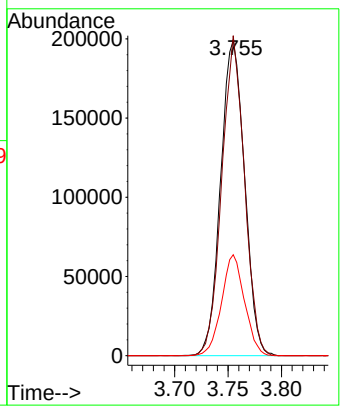


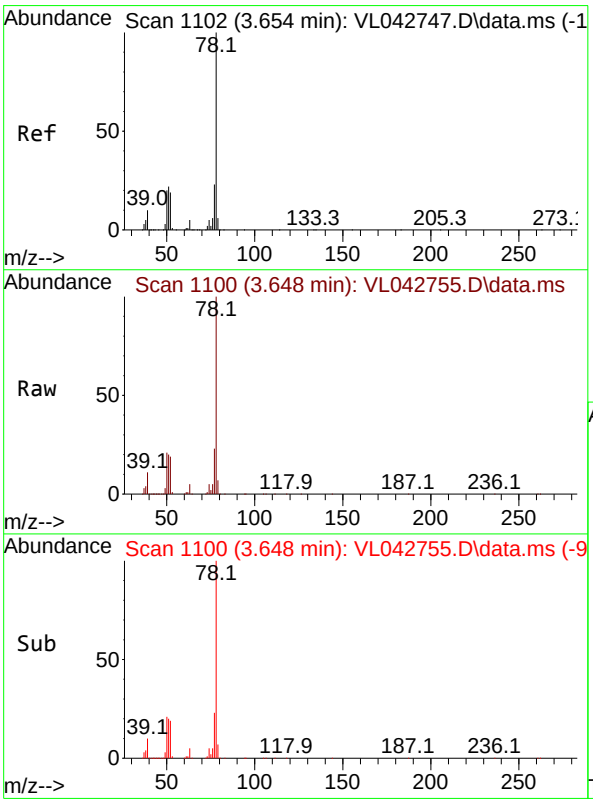
#35
Carbon Tetrachloride
Concen: 9.900 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:117 Resp: 310129

Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.1	115.7
121	32.0	25.5	38.3

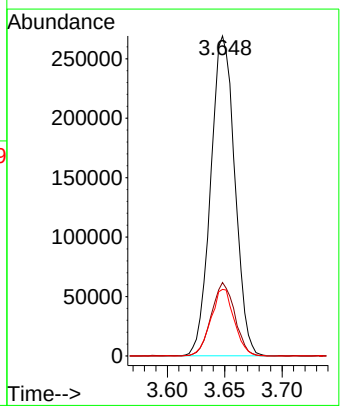


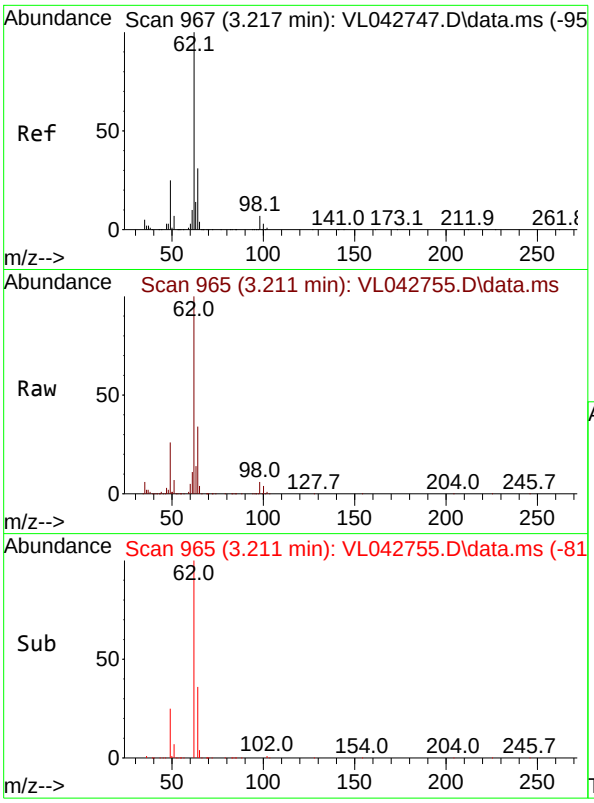


#36
Benzene
Concen: 9.834 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 78 Resp: 393085

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	20.8	16.2	24.2



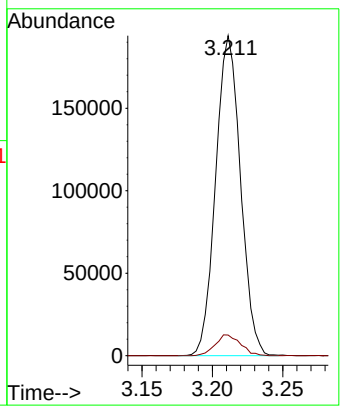


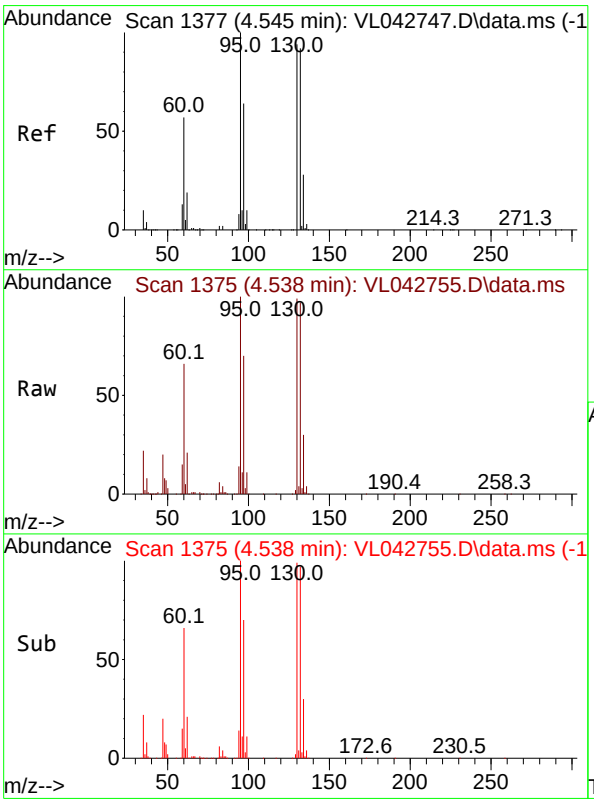
#37
1,2-Dichloroethane
Concen: 9.895 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 62 Resp: 238249

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.2	7.8

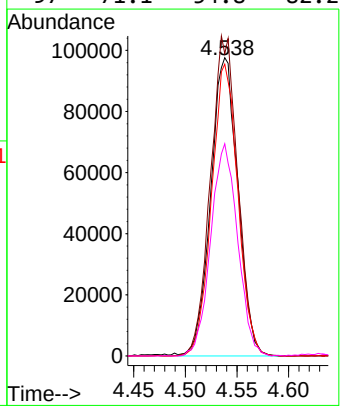


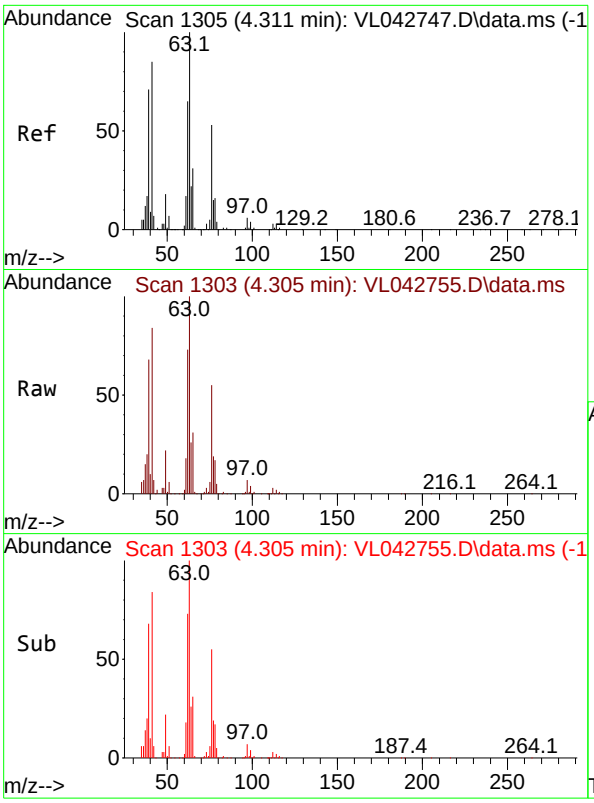


#38
Trichloroethene
Concen: 9.301 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:130 Resp: 178600

Ion	Ratio	Lower	Upper
130	100		
95	101.3	85.4	128.2
132	97.7	78.2	117.2
97	71.1	54.8	82.2



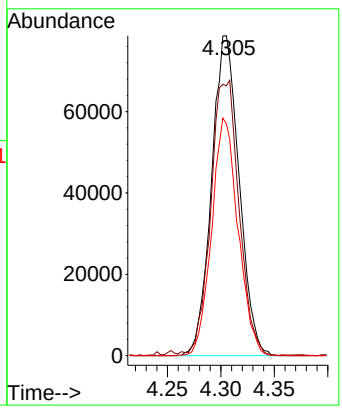


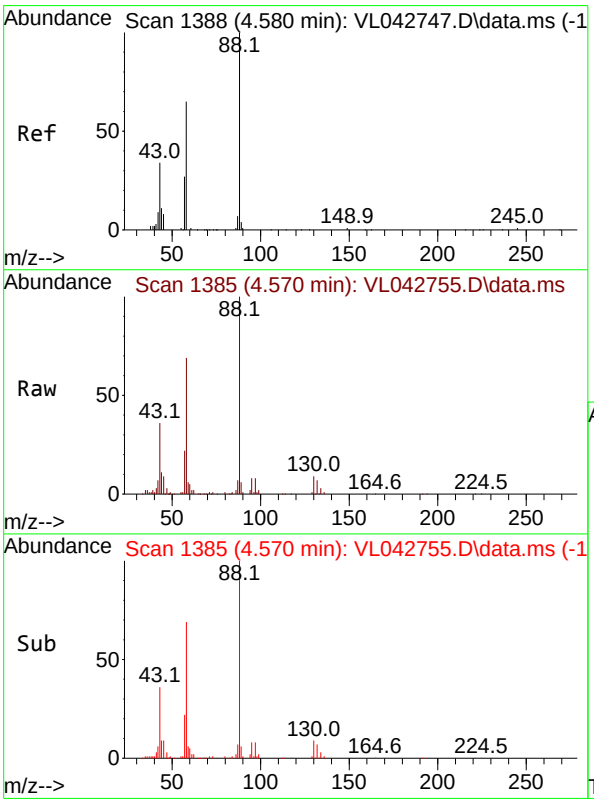
#39
1,2-Dichloropropane
Concen: 9.578 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 63 Resp: 141316

Ion	Ratio	Lower	Upper
63	100		
41	84.3	68.2	102.4
62	72.5	52.0	78.0

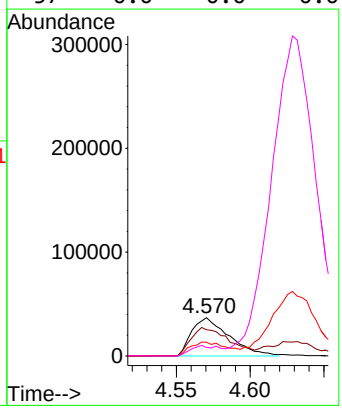


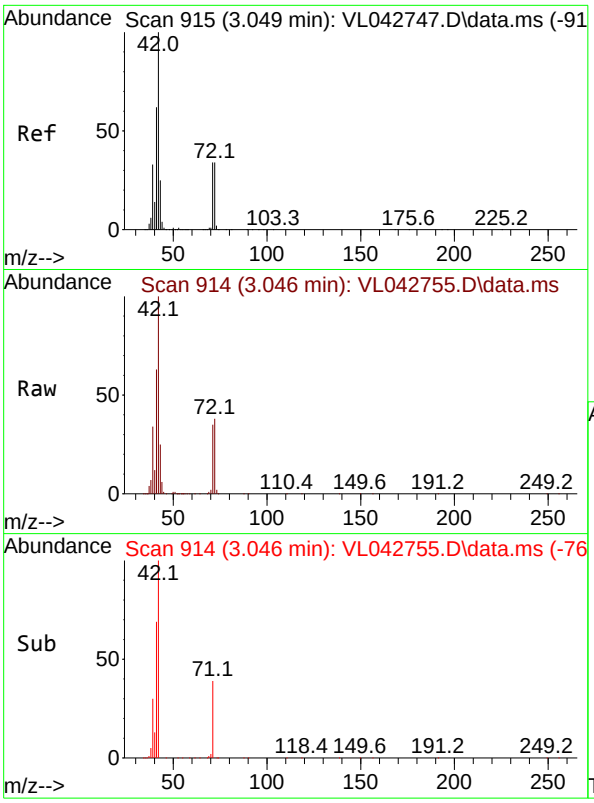


#40
1,4-Dioxane
Concen: 9.481 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 65204

Ion	Ratio	Lower	Upper
88	100		
58	78.4	58.8	88.2
43	32.6	28.9	43.3
57	0.0	0.0	0.0



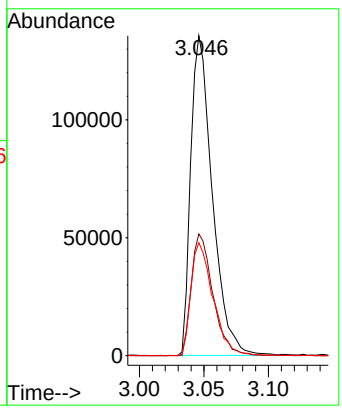


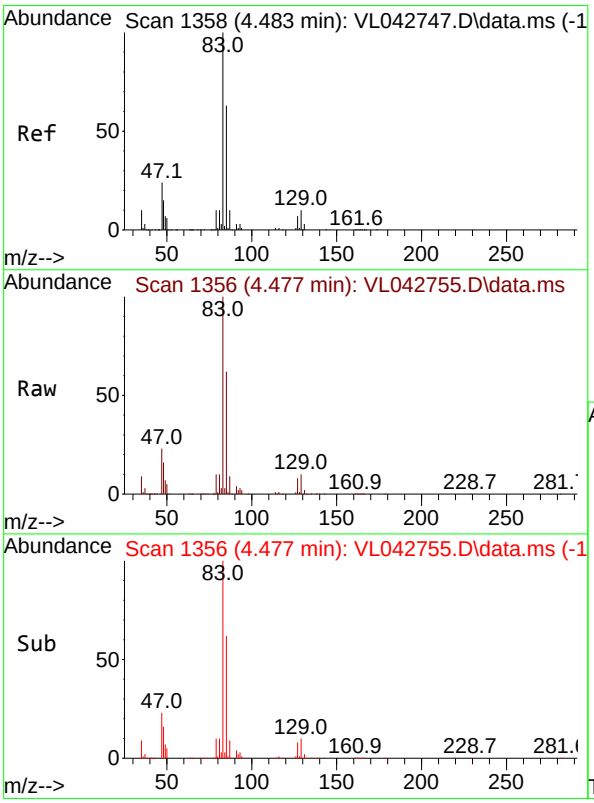
#41
Tetrahydrofuran
Concen: 10.404 ppbv
RT: 3.046 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 42 Resp: 158159

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.9	46.3
71	36.2	28.6	43.0

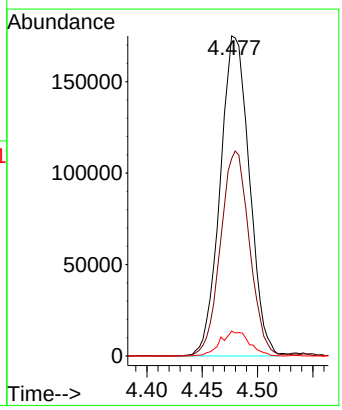


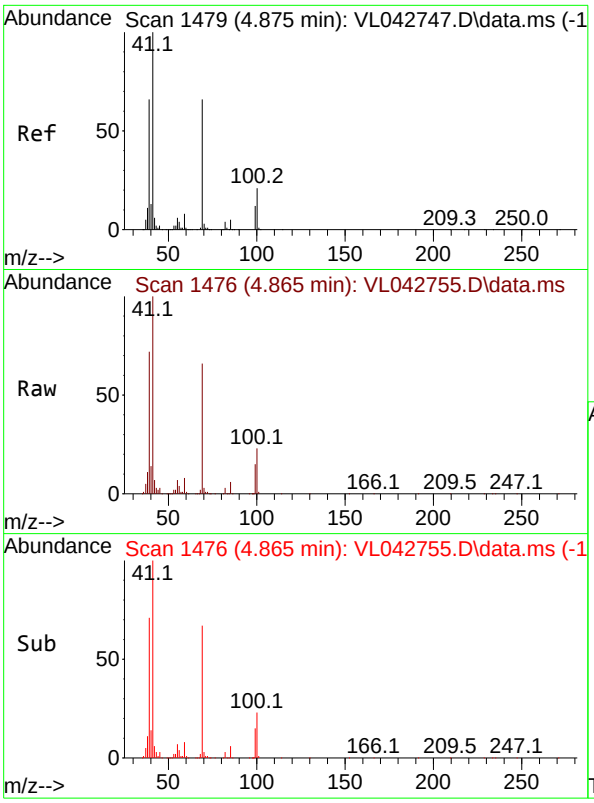


#42
Bromodichloromethane
Concen: 10.254 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 321549

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	7.7	5.4	8.2



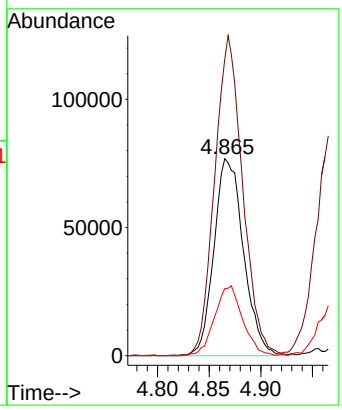


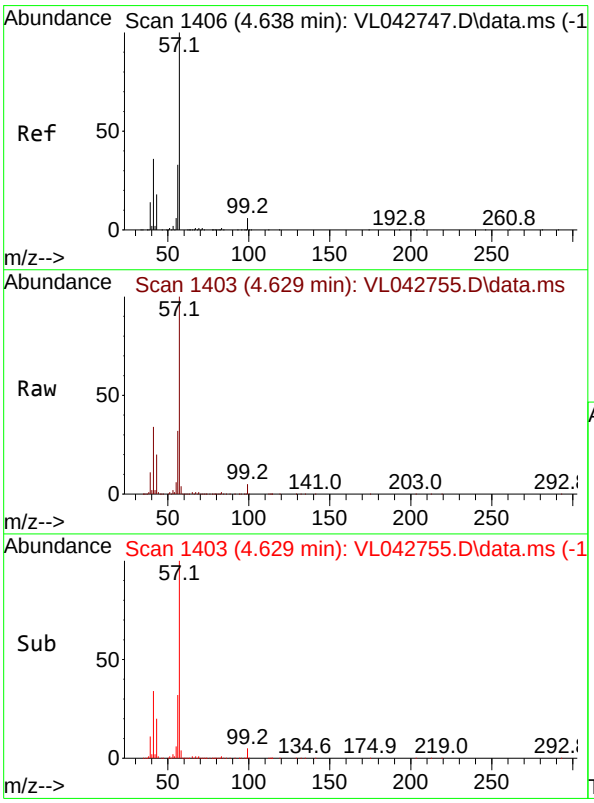
#43
Methyl Methacrylate
Concen: 10.738 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 69 Resp: 152551

Ion	Ratio	Lower	Upper
69	100		
41	153.9	125.7	188.5
100	33.9	28.6	42.8

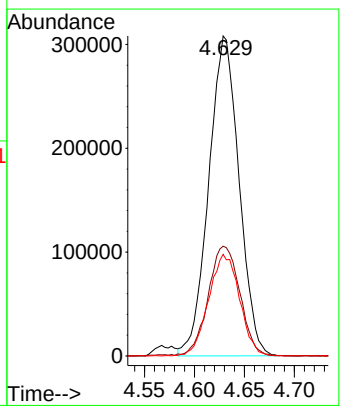


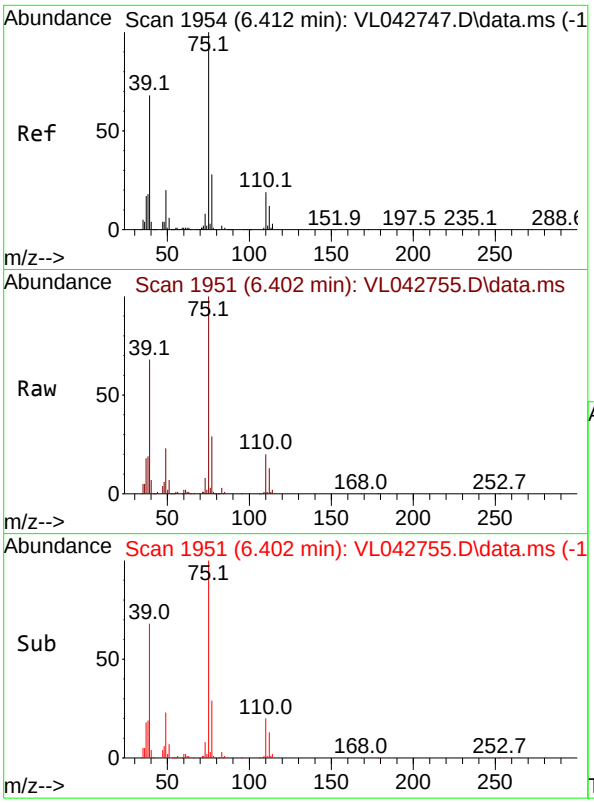


#44
2,2,4-Trimethylpentane
Concen: 9.973 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 649720

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.3	42.5
56	32.4	25.8	38.6



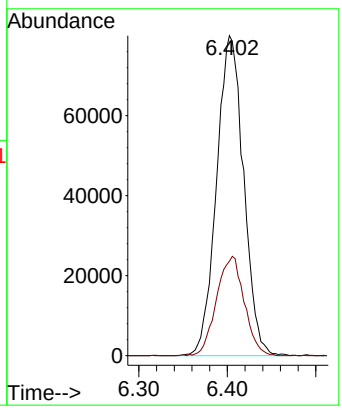


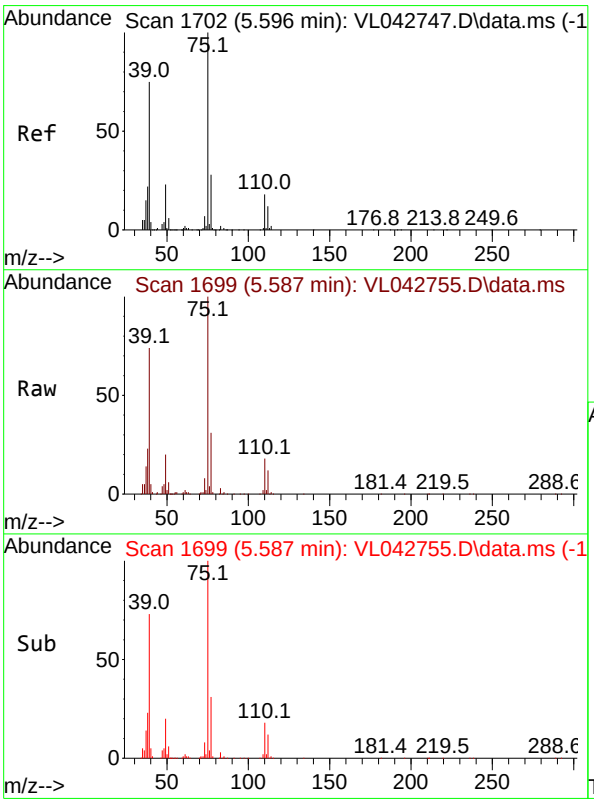
#45
t-1,3-Dichloropropene
Concen: 10.643 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 75 Resp: 169563

Ion	Ratio	Lower	Upper
75	100		
77	29.5	22.4	33.6

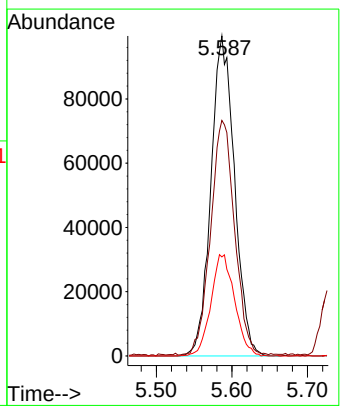


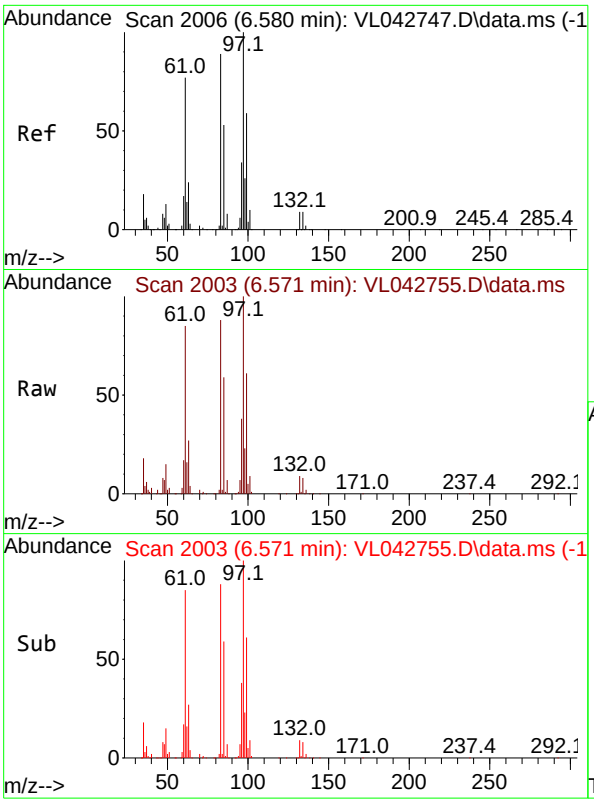


#46
cis-1,3-Dichloropropene
Concen: 10.679 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 215596

Ion	Ratio	Lower	Upper
75	100		
39	73.3	60.2	90.2
77	30.9	22.6	34.0



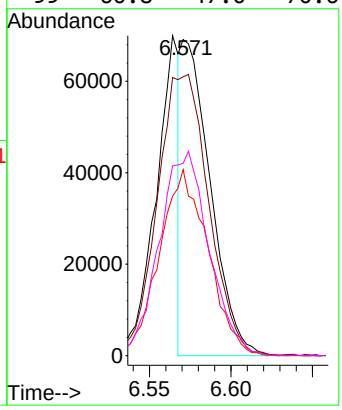


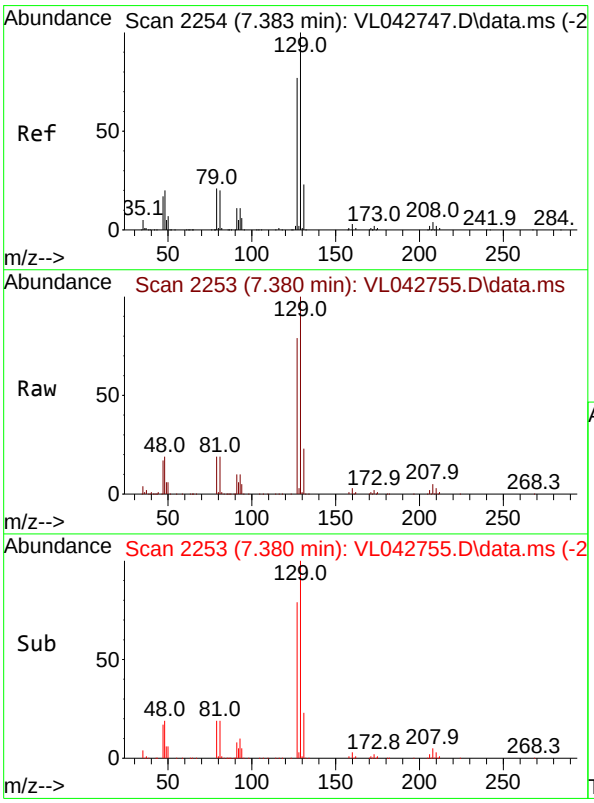
#47
1,1,2-Trichloroethane
Concen: 5.445 ppbv
RT: 6.571 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 97 Resp: 85637

Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.1	106.7
85	58.7	43.0	64.4
99	60.8	47.0	70.6

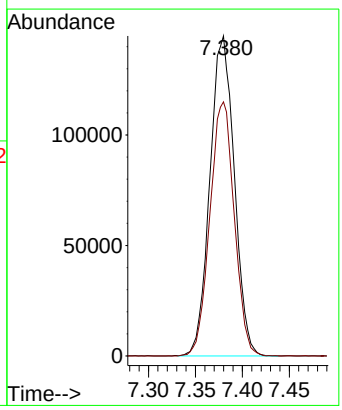


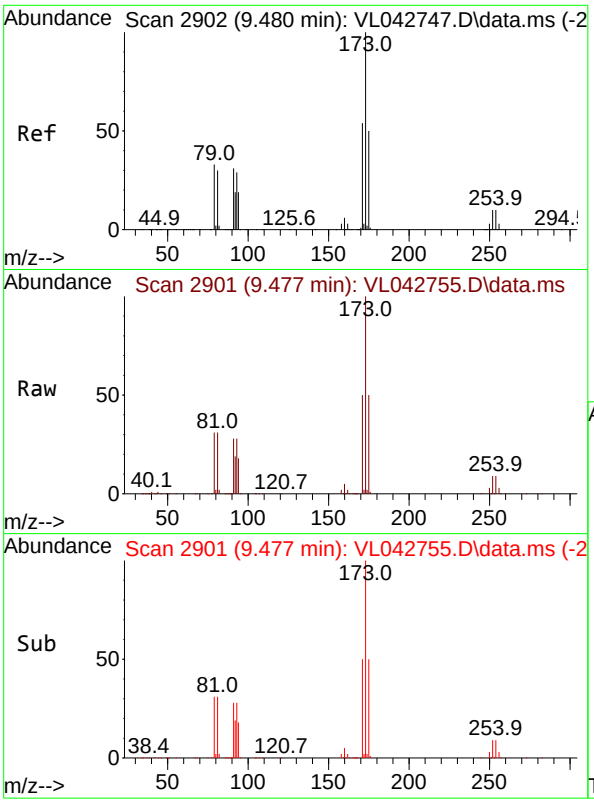


#48
Dibromochloromethane
Concen: 10.460 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:129 Resp: 261174

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.7	116.1



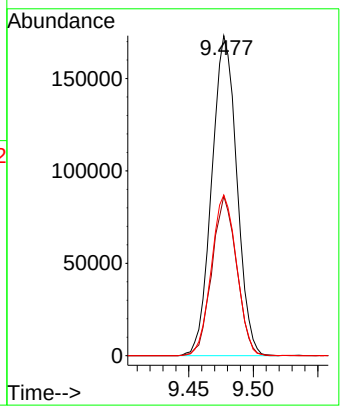


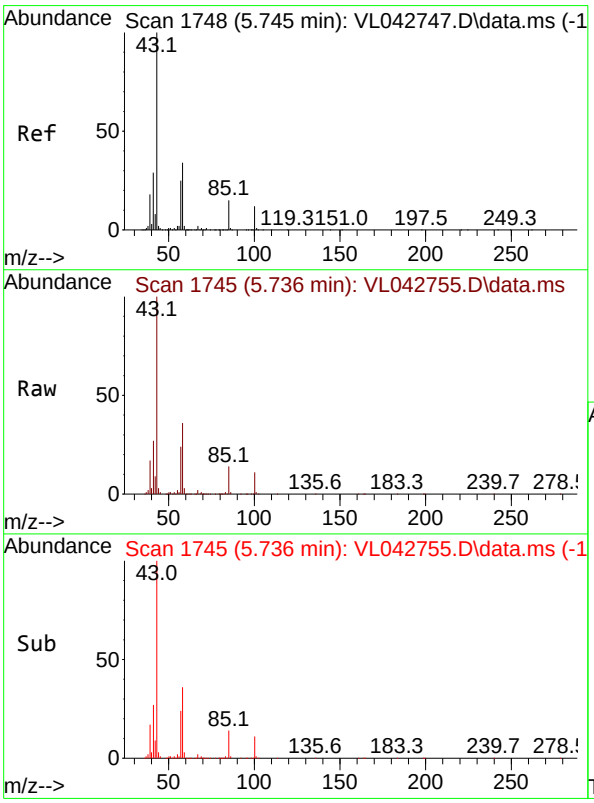
#49
Bromoform
Concen: 10.729 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:173 Resp: 233573

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.4	57.6
171	50.7	40.9	61.3

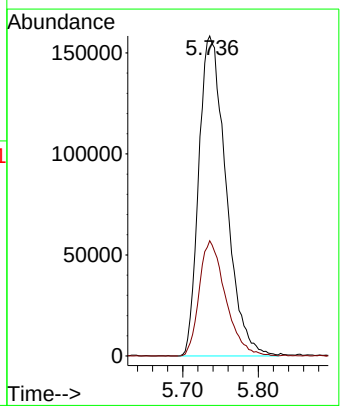


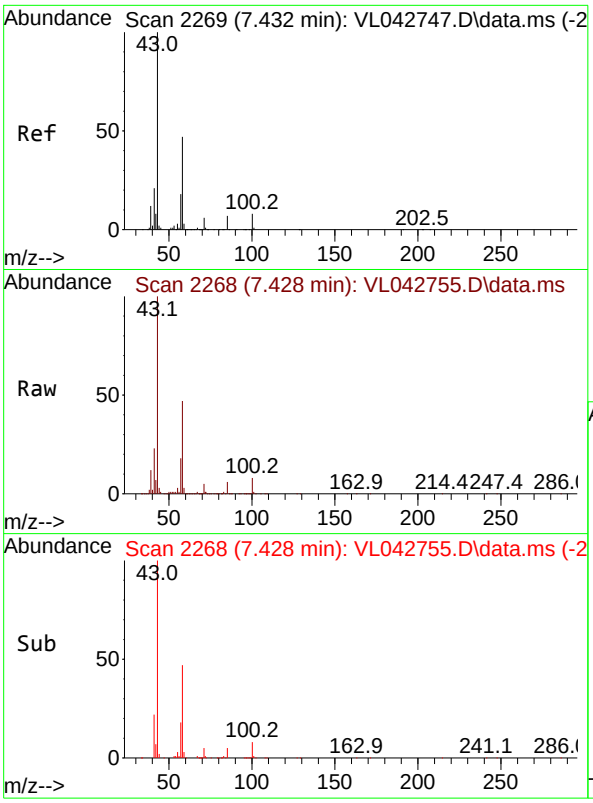


#50
4-Methyl-2-Pentanone
Concen: 10.303 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 396506

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8



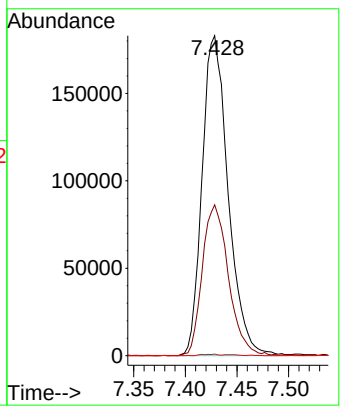


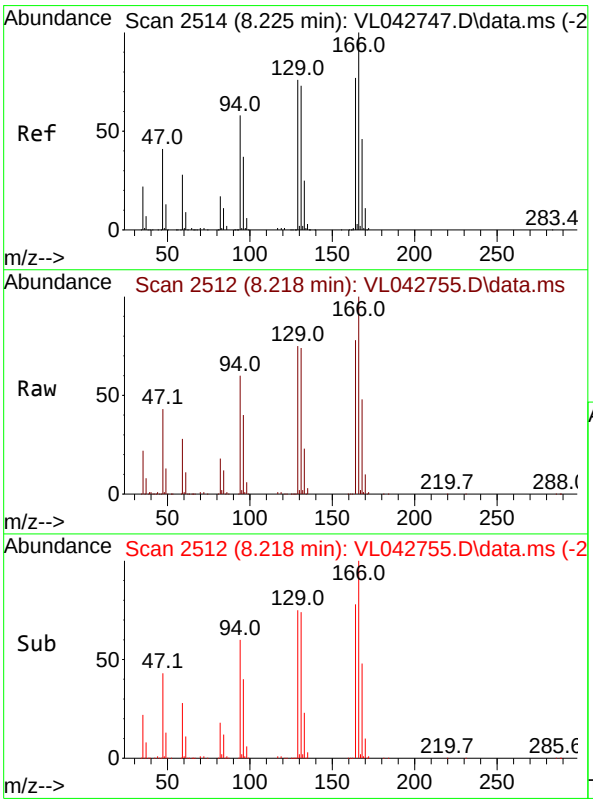
#51
2-Hexanone
Concen: 11.029 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 320740

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.0	57.0
98	0.5	0.2	0.4#

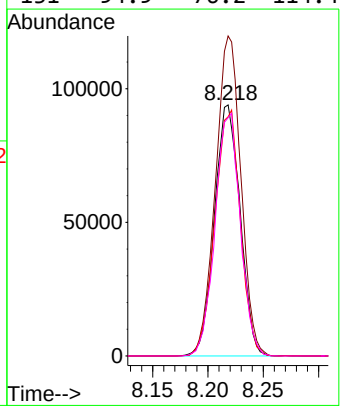


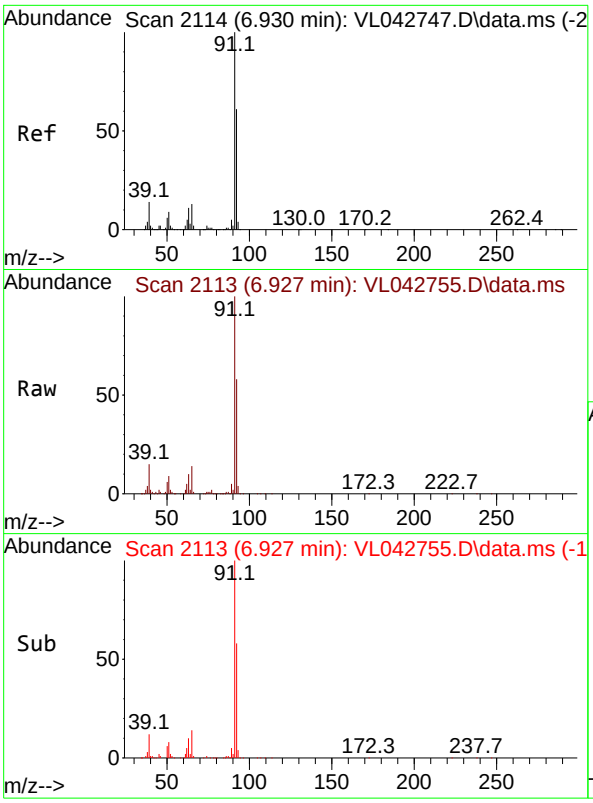


#52
Tetrachloroethene
Concen: 9.163 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:164 Resp: 151810

Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.0	156.0
129	95.3	79.2	118.8
131	94.9	76.2	114.4



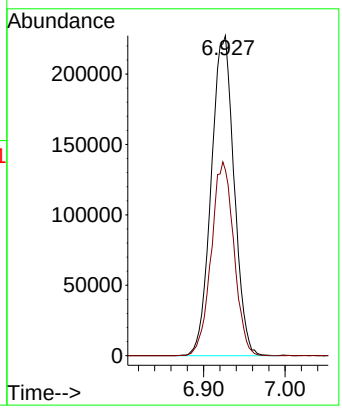


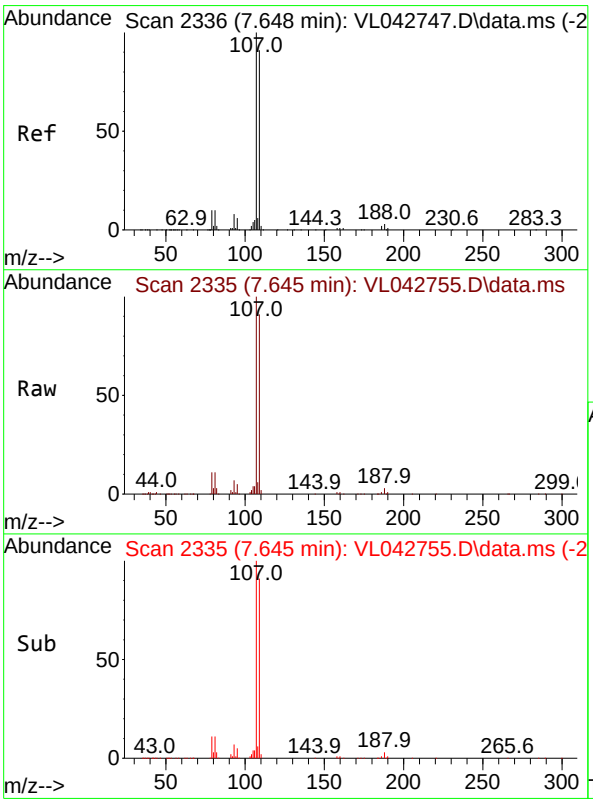
#53
Toluene
Concen: 10.294 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 441829

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0

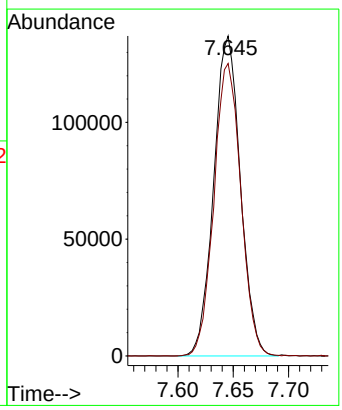


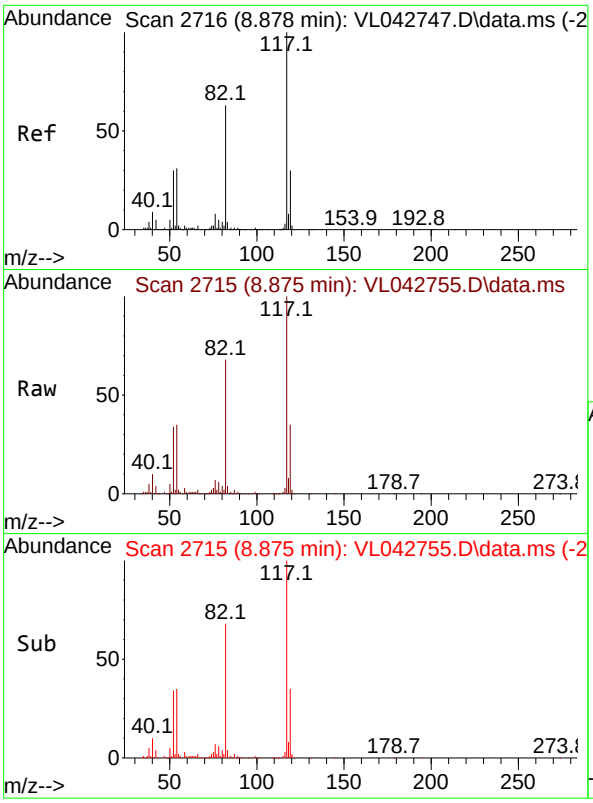


#54
1,2-Dibromoethane
Concen: 10.331 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:107 Resp: 229563

Ion	Ratio	Lower	Upper
107	100		
109	91.3	72.7	109.1



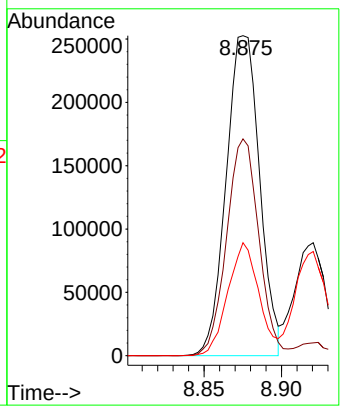


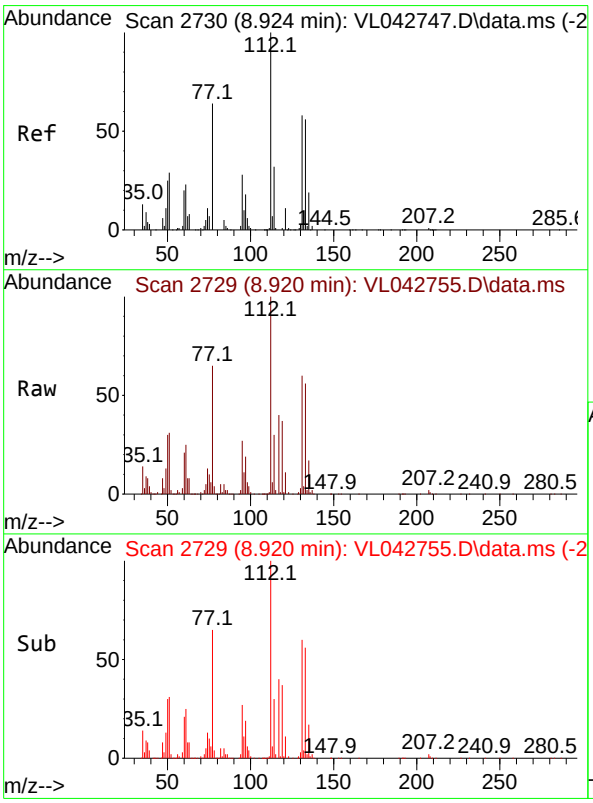
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:117 Resp: 380539

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.3	79.9
119	33.0	25.8	38.6

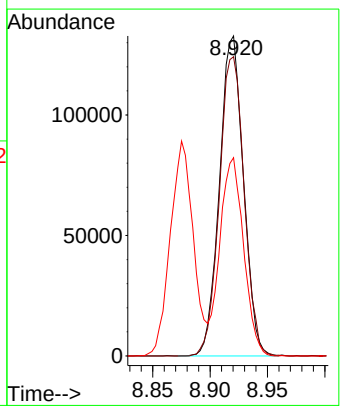


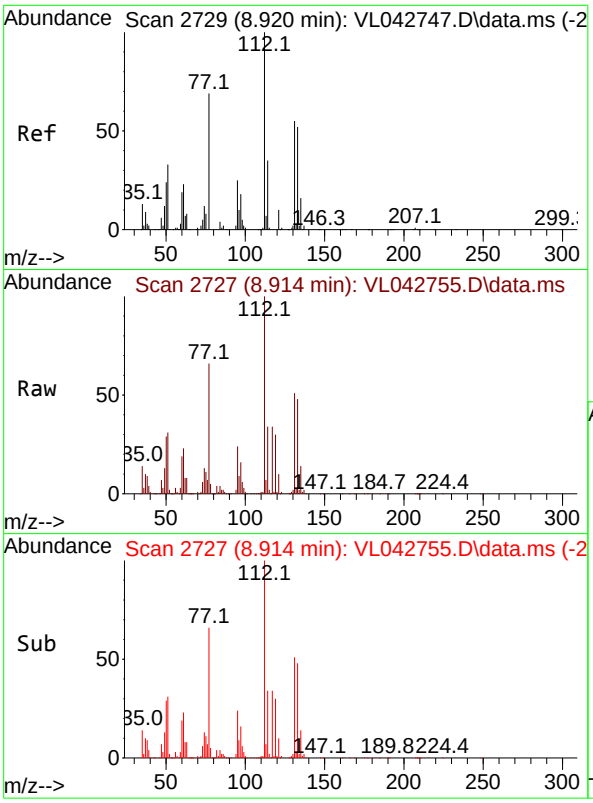


#56
1,1,1,2-Tetrachloroethane
Concen: 9.759 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:131 Resp: 193089

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.8	115.2
119	61.2	49.7	74.5



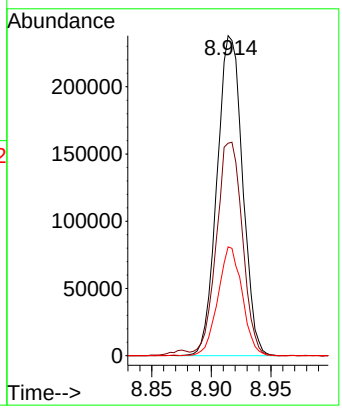


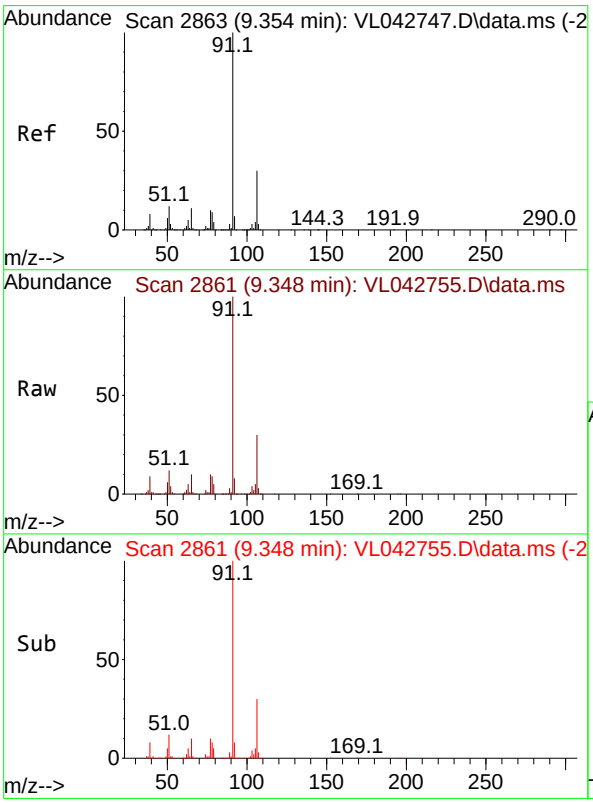
#57
Chlorobenzene
Concen: 9.623 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:112 Resp: 354412

Ion	Ratio	Lower	Upper
112	100		
77	66.4	56.4	84.6
114	34.0	31.2	38.2

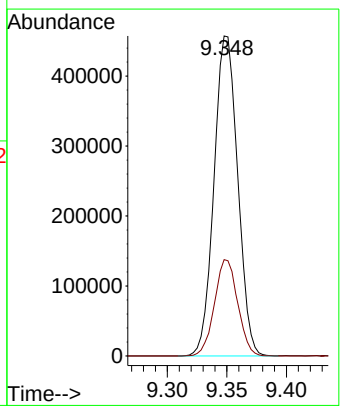


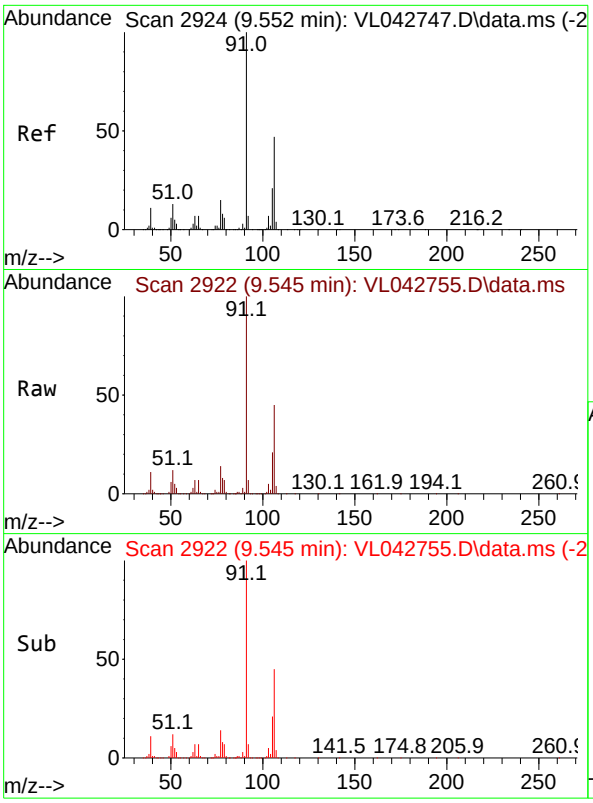


#58
Ethyl Benzene
Concen: 10.504 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 631247

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



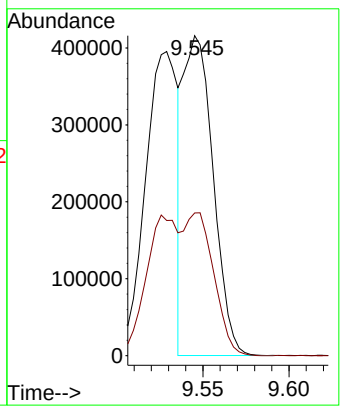


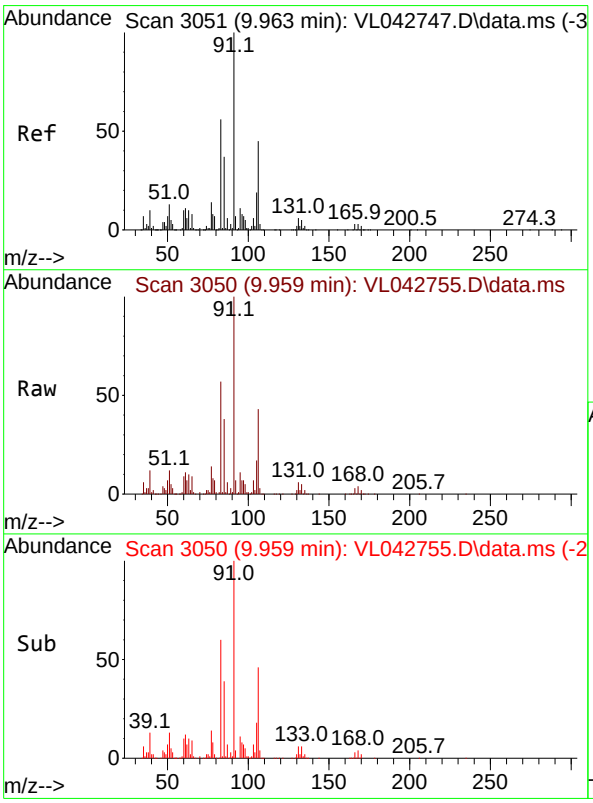
#59
m/p-Xylene
Concen: 10.418 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 500367

Ion	Ratio	Lower	Upper
91	100		
106	92.3	37.4	56.2#

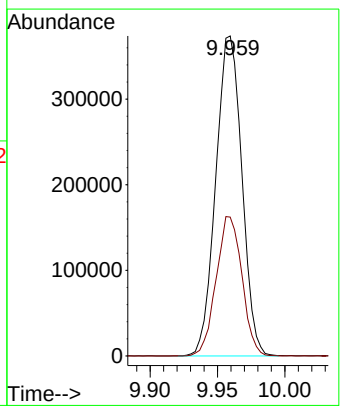


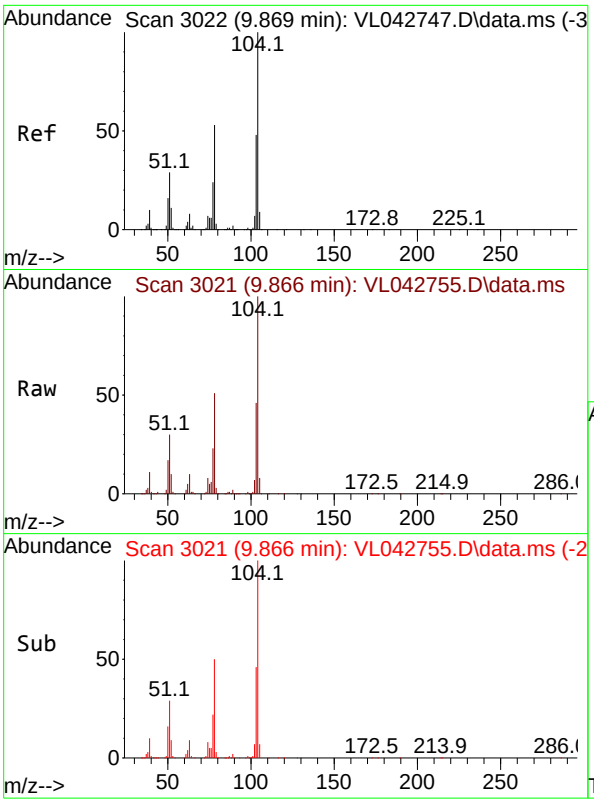


#60
o-Xylene
Concen: 10.499 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 503849

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.0	66.0



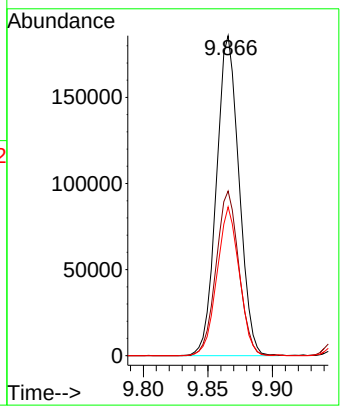


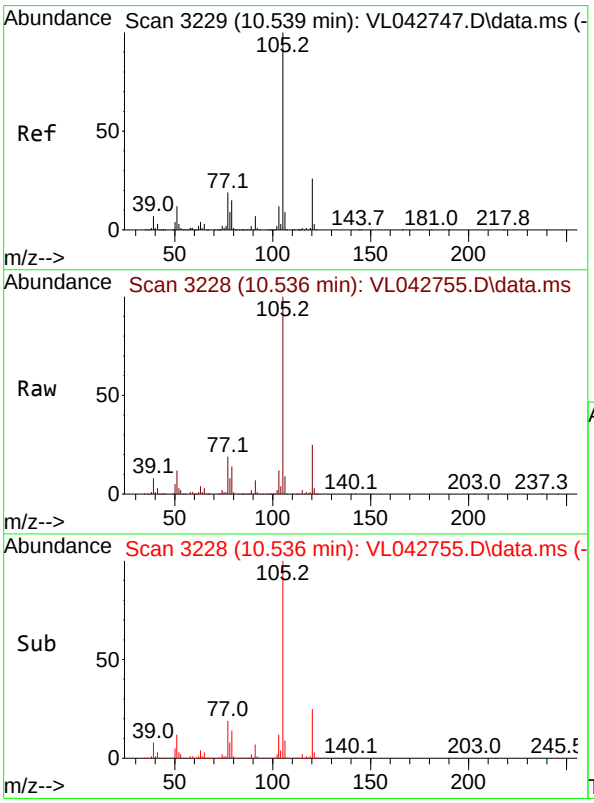
#61
Styrene
Concen: 11.185 ppbv
RT: 9.866 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:104 Resp: 225799

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.0	37.5	56.3

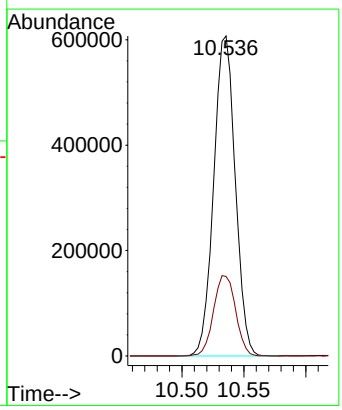


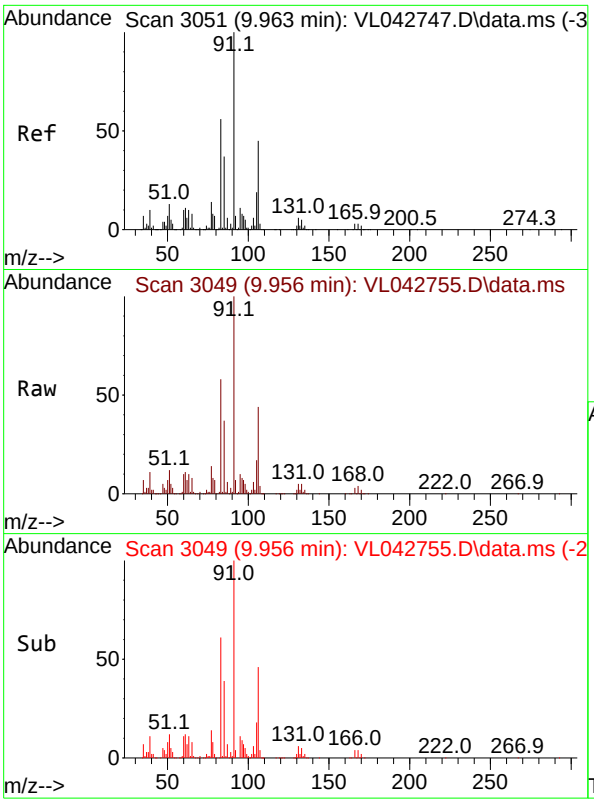


#62
Isopropylbenzene
Concen: 10.398 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 736044

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7



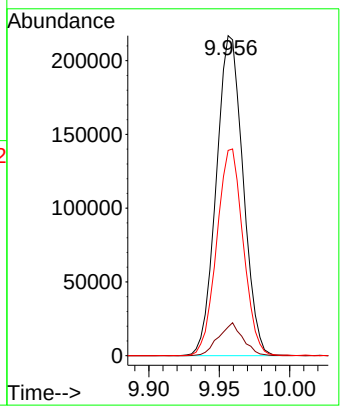


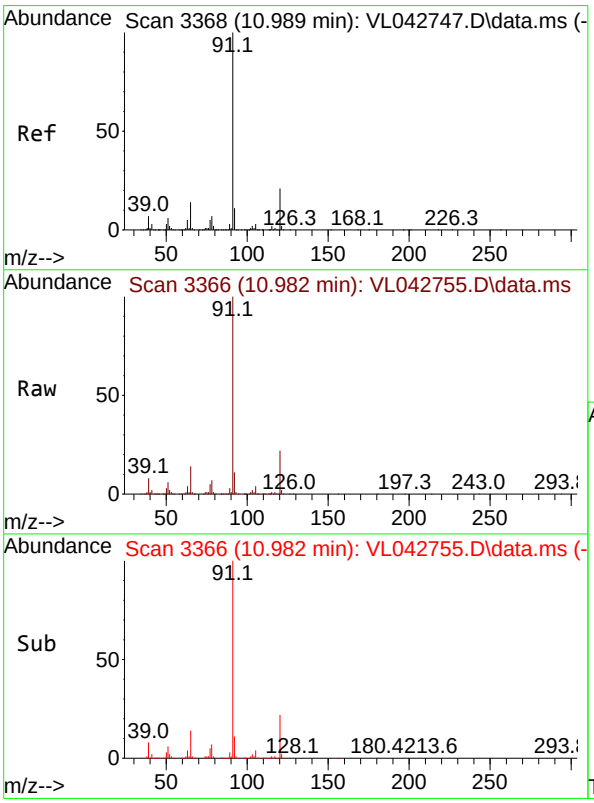
#63
1,1,2,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 83 Resp: 287775

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	15.0
85	64.0	32.6	97.7

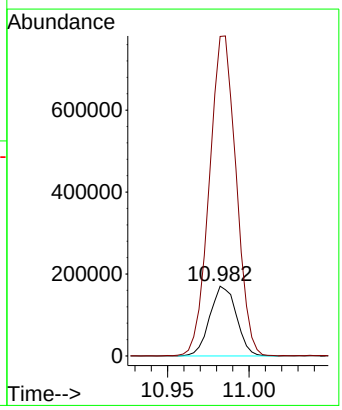


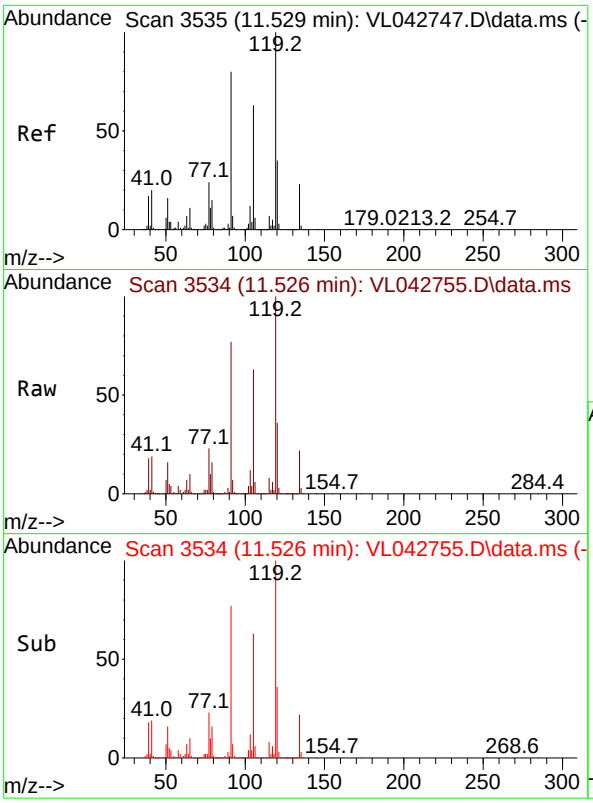


#64
n-propylbenzene
Concen: 10.460 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:120 Resp: 193034

Ion	Ratio	Lower	Upper
120	100		
91	461.7	372.7	559.1



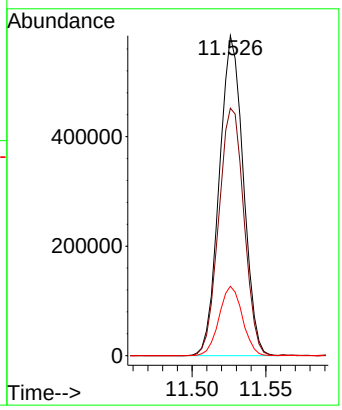


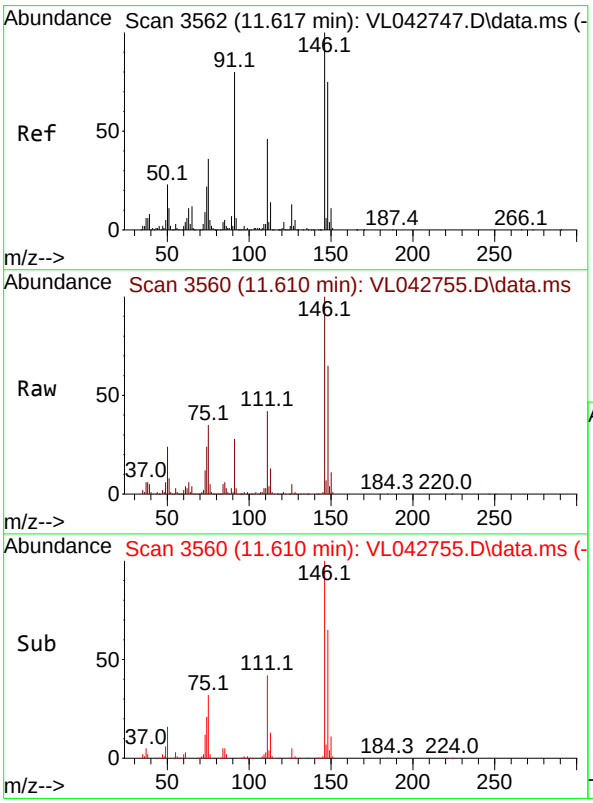
#65
tert-Butylbenzene
Concen: 10.512 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:119 Resp: 660966

Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.0	96.0
134	21.1	17.3	25.9

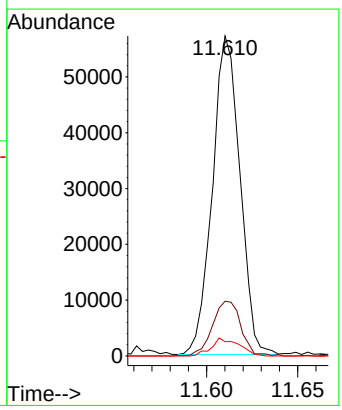


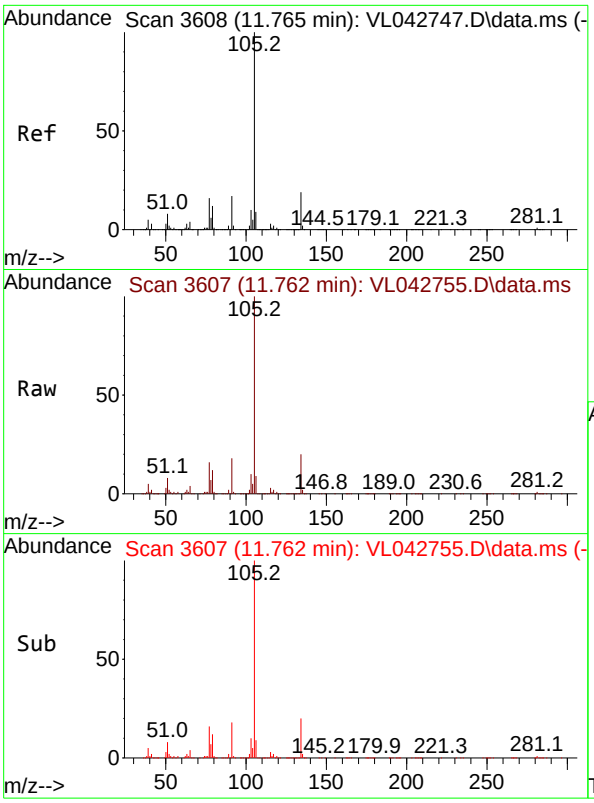


#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 60055

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.6	5.2	7.8



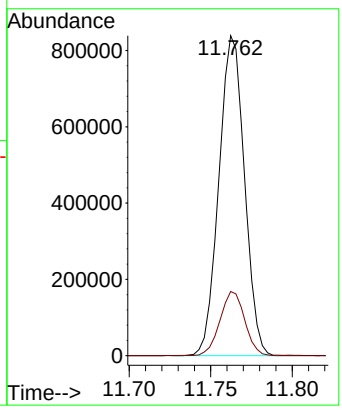


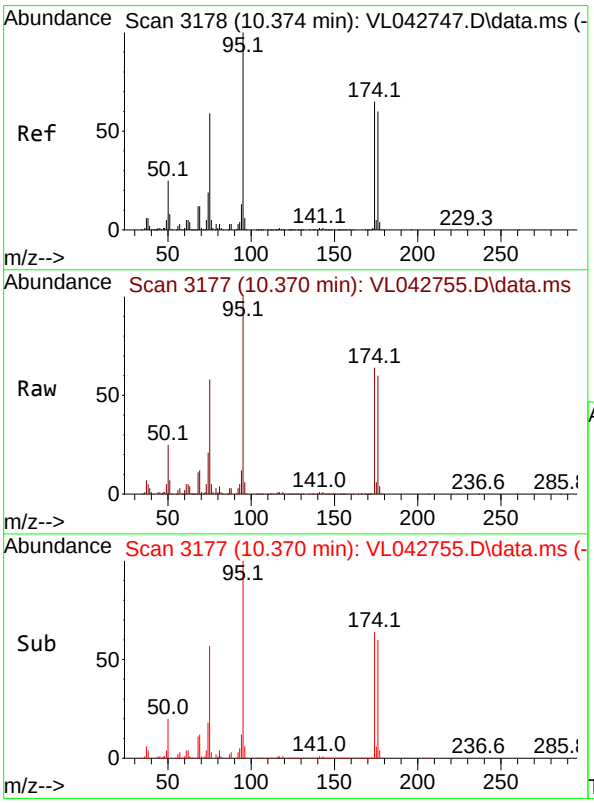
#67
sec-Butylbenzene
Concen: 10.221 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:105 Resp: 914046

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3

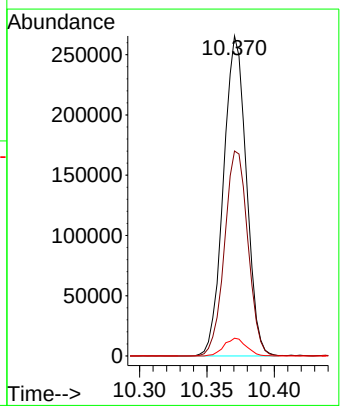


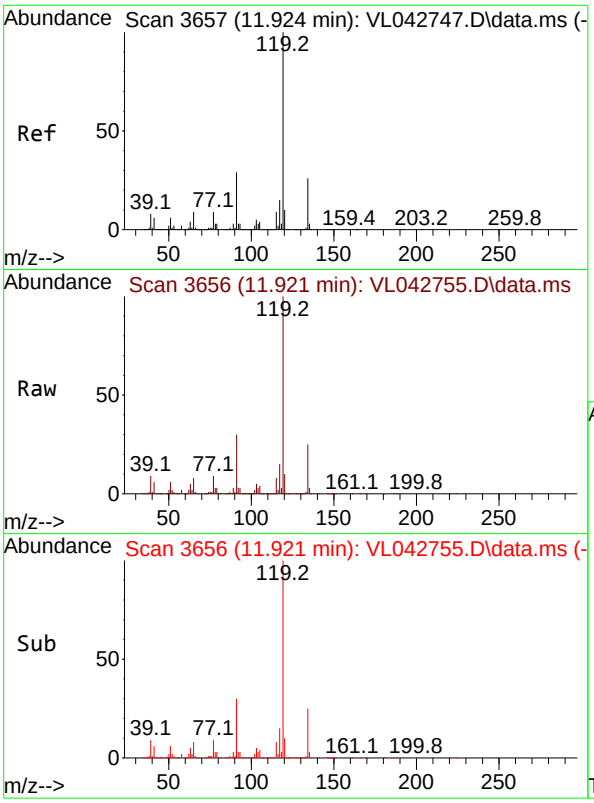


#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 95 Resp: 313324

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.4	4.0	6.0



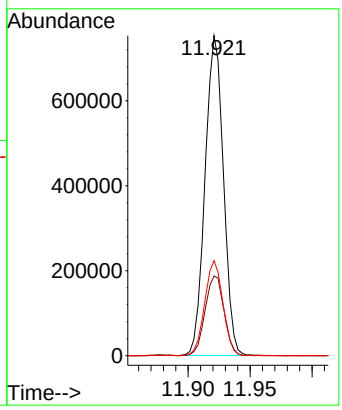


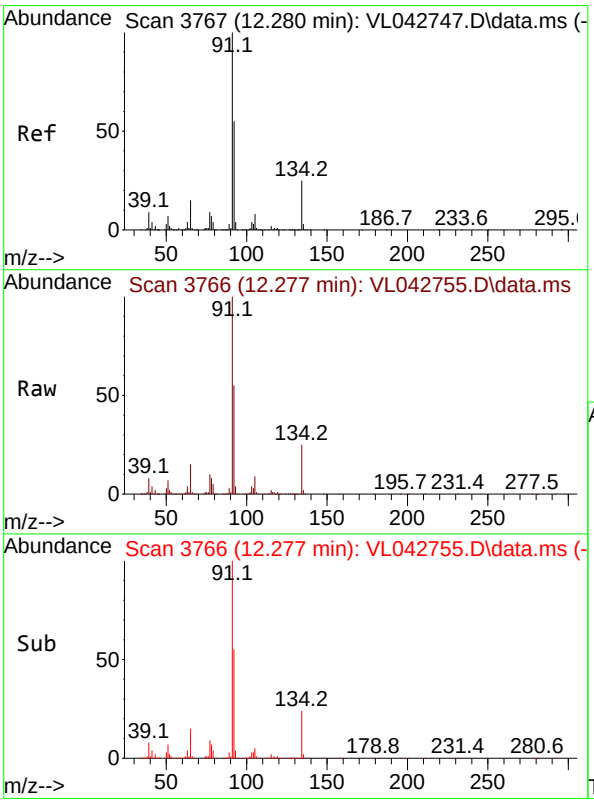
#69
p-Isopropyltoluene
Concen: 10.677 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:119 Resp: 778601

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.5	23.2	34.8

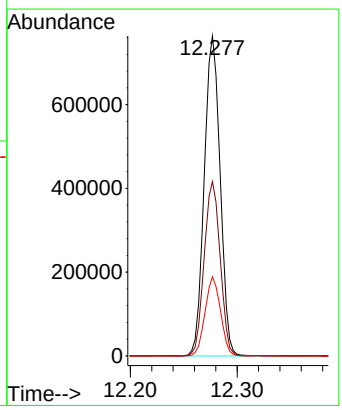


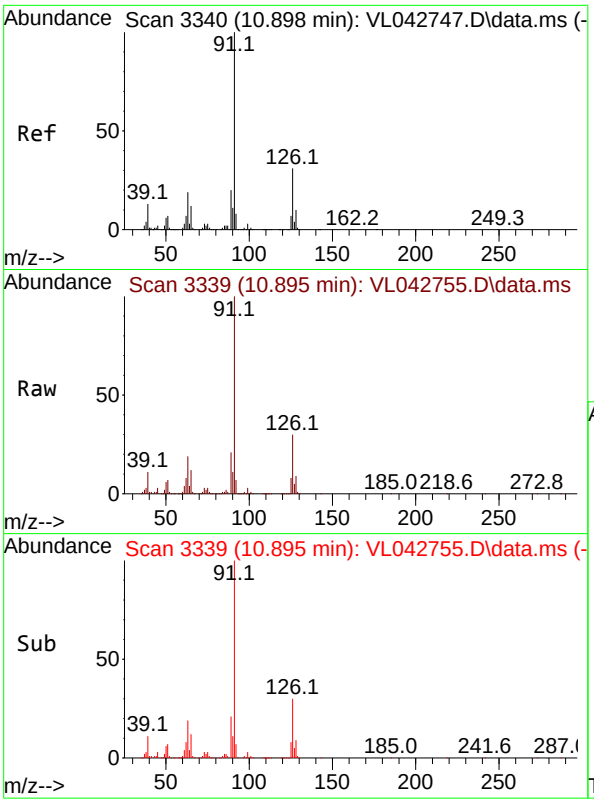


#70
n-Butylbenzene
Concen: 11.197 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 788734

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.4	65.2
134	24.1	19.6	29.4



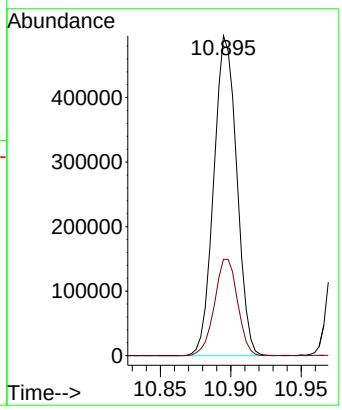


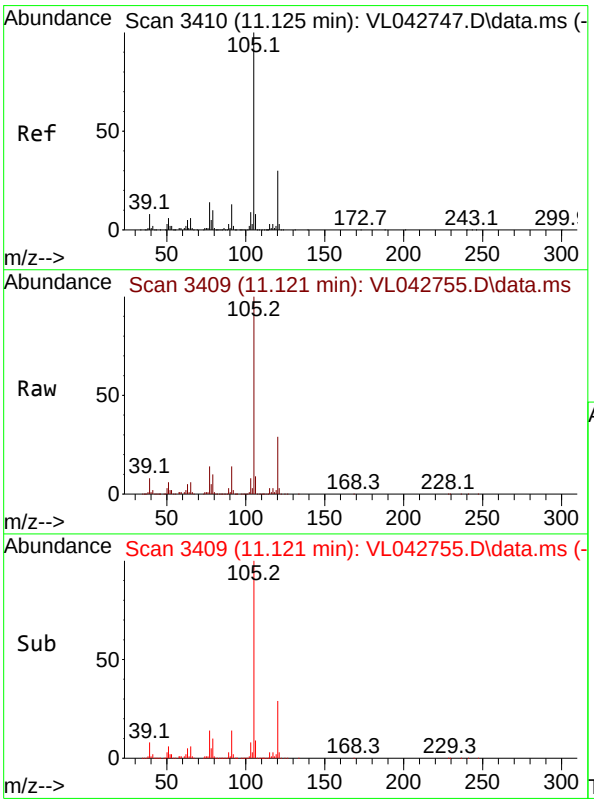
#71
2-Chlorotoluene
Concen: 10.376 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 563193

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2

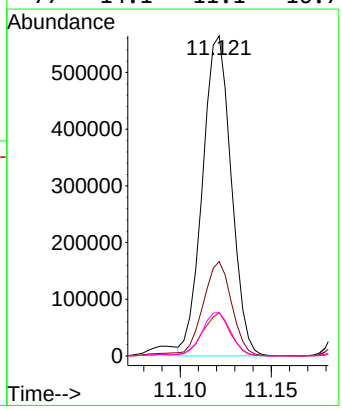


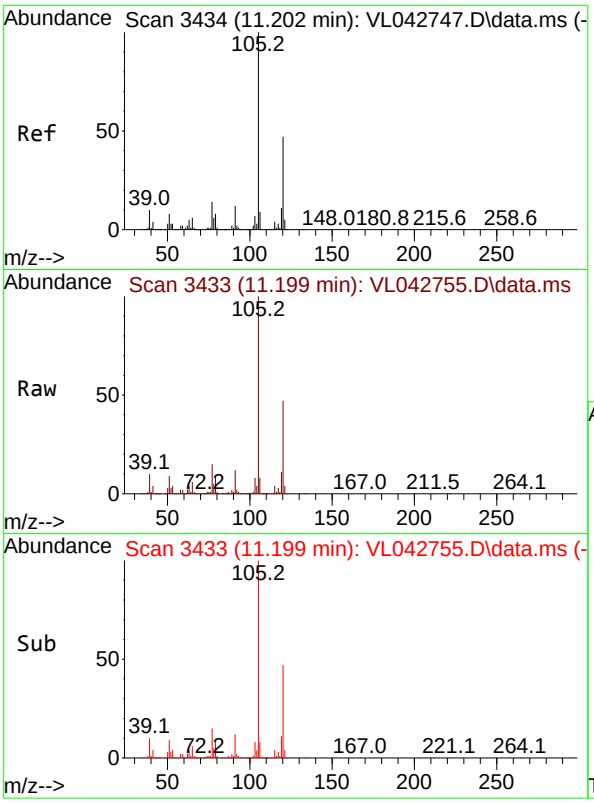


#72
4-Ethyltoluene
Concen: 10.772 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 617355

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	13.4	10.6	15.8
77	14.1	11.1	16.7



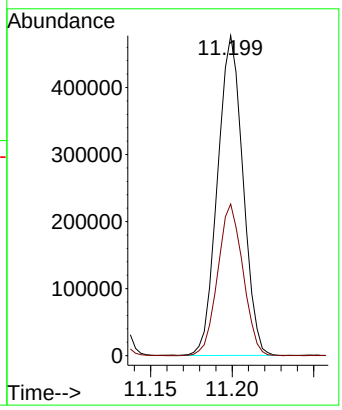


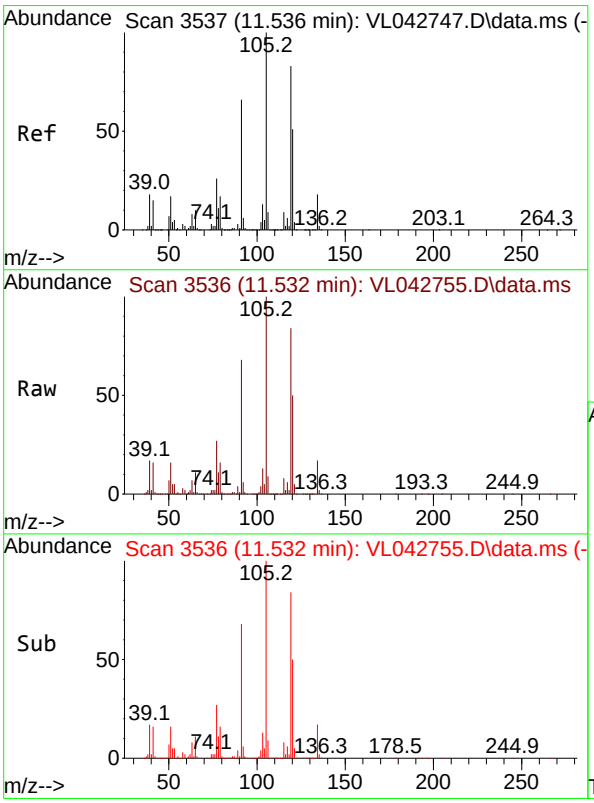
#73
1,3,5-Trimethylbenzene
Concen: 10.951 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:105 Resp: 516735

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8

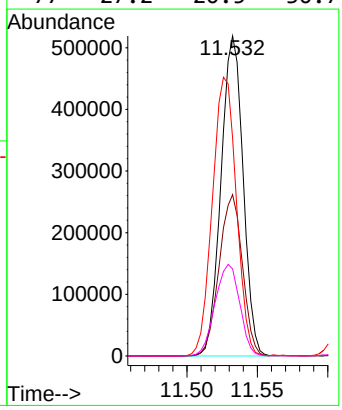


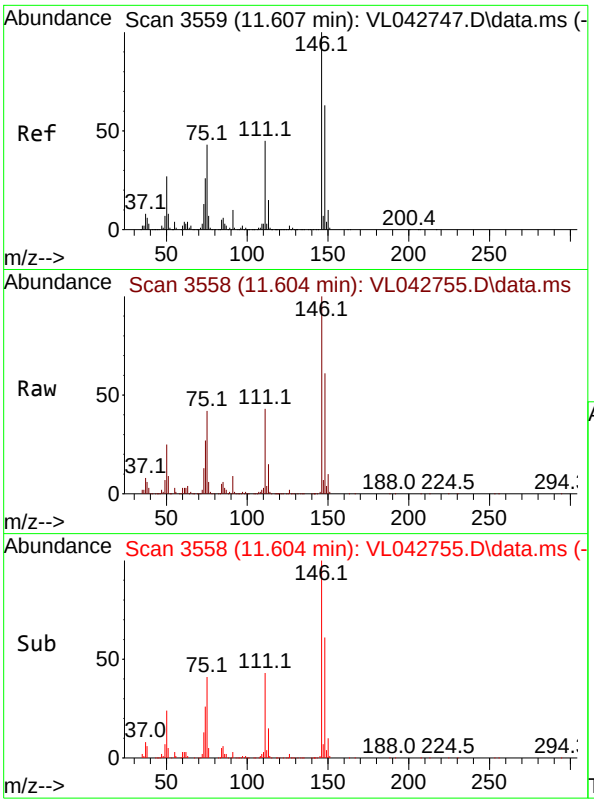


#74
1,2,4-Trimethylbenzene
Concen: 11.017 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 567186

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.8	61.2
91	68.1	53.0	79.4
77	27.2	20.5	30.7



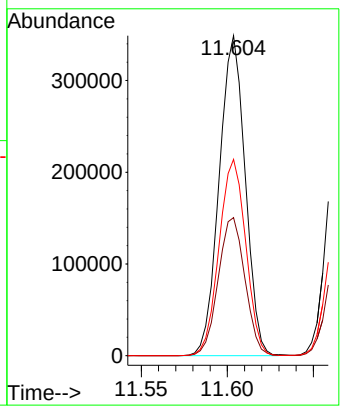


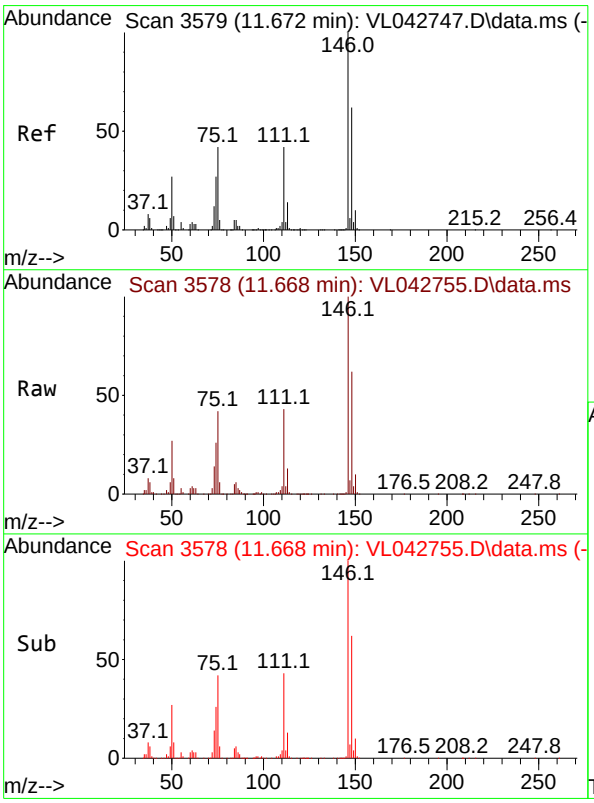
#75
1,3-Dichlorobenzene
Concen: 10.165 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:146 Resp: 366855

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.7	68.0
148	63.1	31.9	95.5

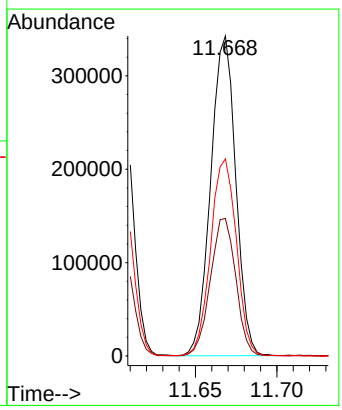


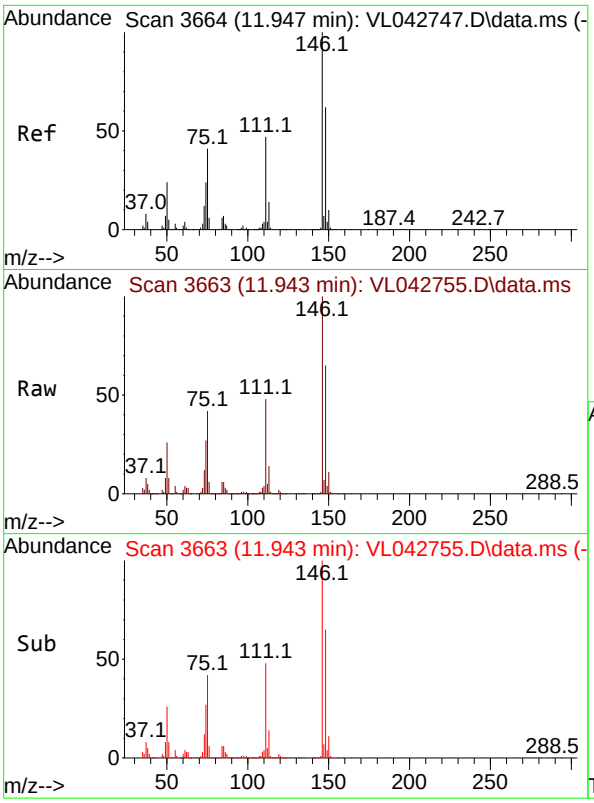


#76
1,4-Dichlorobenzene
Concen: 10.333 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 364937

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	63.8	32.1	96.3



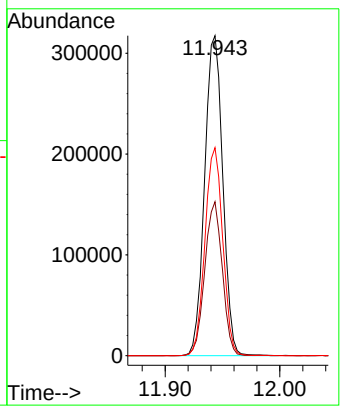


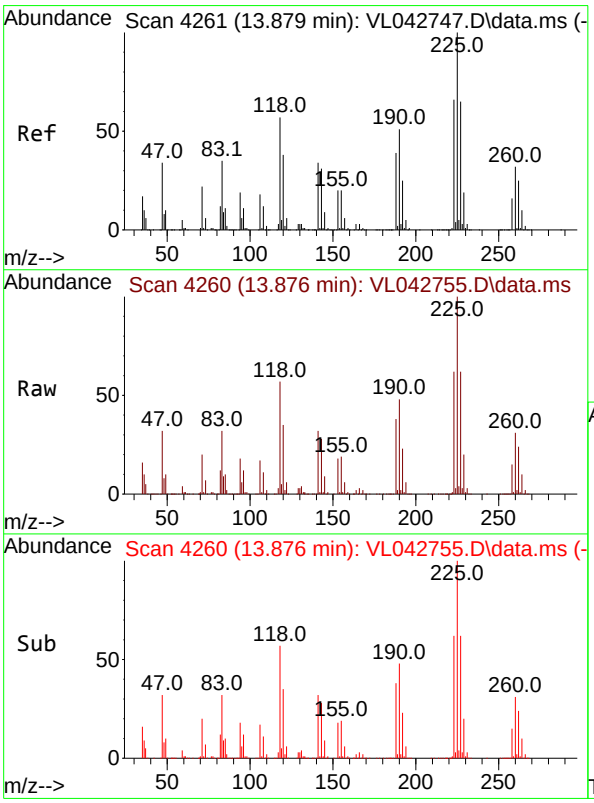
#77
1,2-Dichlorobenzene
Concen: 9.839 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:146 Resp: 348999

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	63.8	32.6	97.7

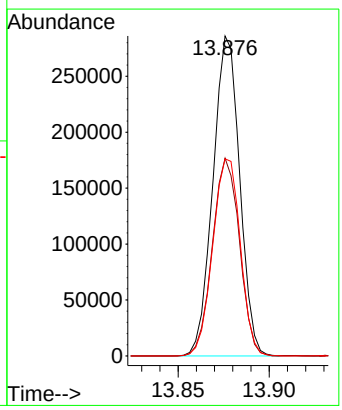


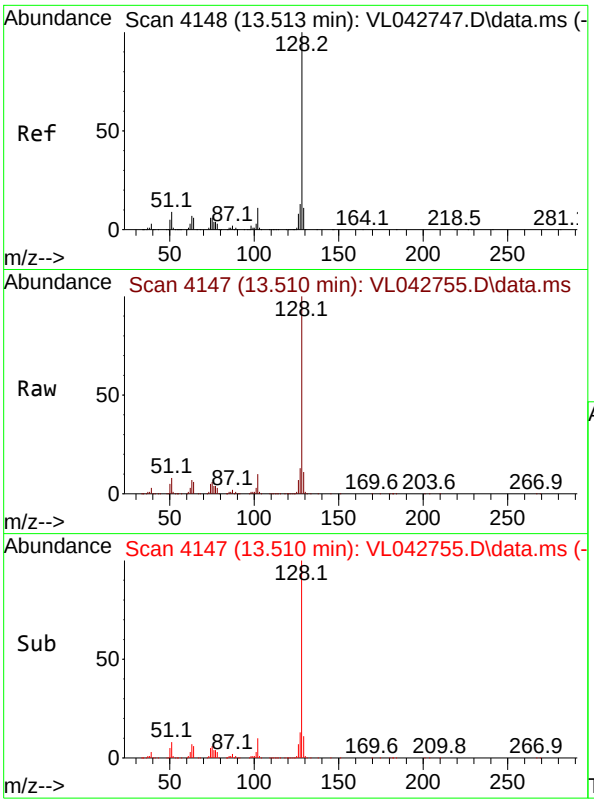


#78
Hexachloro-1,3-Butadiene
Concen: 9.091 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:225 Resp: 291861

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.5	50.5	75.7



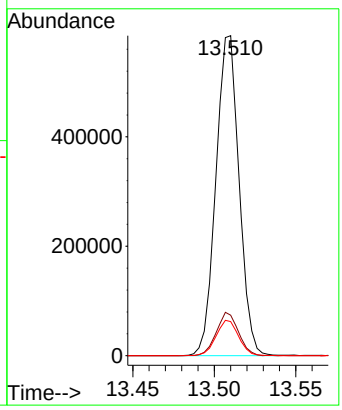


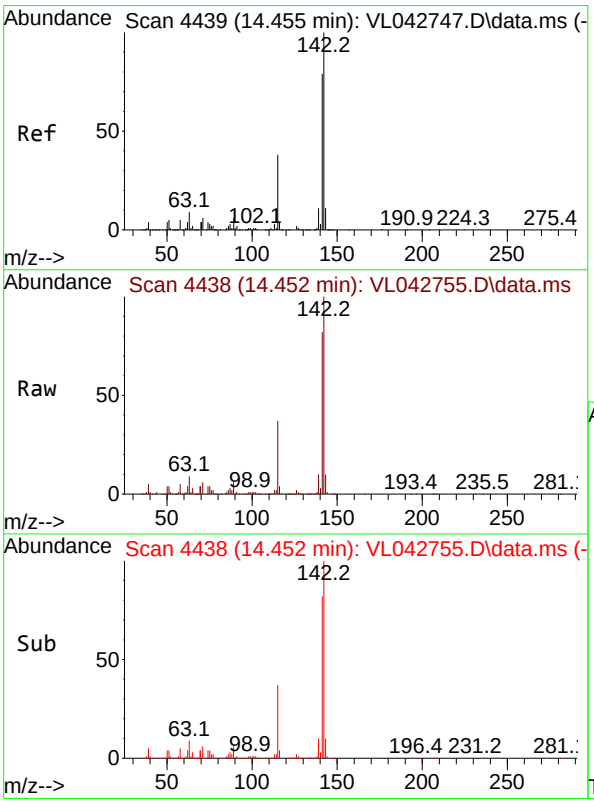
#79
Naphthalene
Concen: 10.342 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:128 Resp: 578563

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.6	8.6	13.0

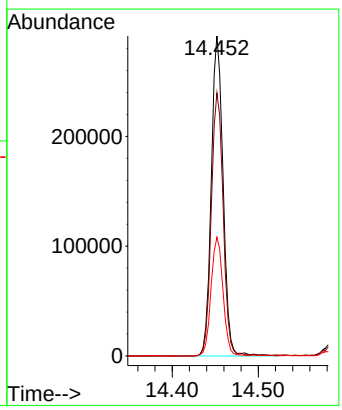


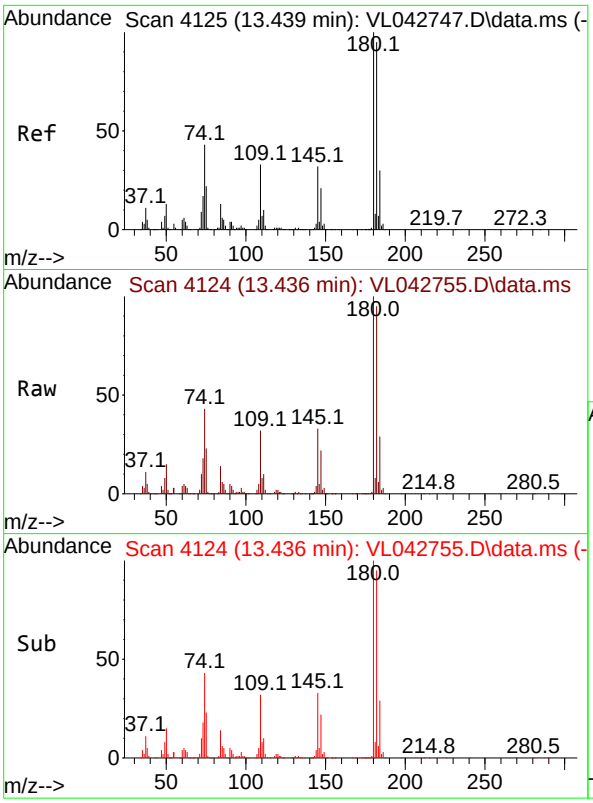


#80
Naphthalene,2-methyl-
Concen: 9.951 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:142 Resp: 277798

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.8
115	38.2	31.2	46.8



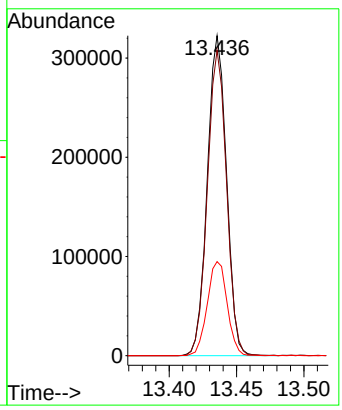


#81
1,2,4-Trichlorobenzene
Concen: 10.181 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:180 Resp: 319897

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
184	30.5	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	139439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391811	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	345903	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	282020	10.295	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	175602	9.525	ppbv	99
3) Chlorodifluoromethane	1.479	51	245813	10.235	ppbv	98
4) Chloromethane	1.534	50	69667	9.341	ppbv	96
5) Vinyl Chloride	1.583	62	64707	8.781	ppbv	94
6) Bromomethane	1.670	94	28024	9.837	ppbv	96
7) Chloroethane	1.706	64	26081	9.160	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	145116	9.571	ppbv	98
9) Propene	1.486	41	94980	10.882	ppbv	100
10) Heptane	4.991	43	257717	10.950	ppbv	96
11) Trichlorofluoromethane	1.881	101	173476	9.128	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	138636	9.600	ppbv	97
13) Ethanol	1.725	45	7183	10.150	ppbv	95
14) Bromoethene	1.784	108	49283	9.639	ppbv	98
15) Acetone	1.839	43	152576	7.924	ppbv	100
16) 1,3-Butadiene	1.612	39	77405	9.425	ppbv	99
17) tert-Butyl alcohol	2.043	59	160407	9.237	ppbv	99
18) 1,1-Dichloroethene	2.039	96	60001	9.195	ppbv	92
19) Isopropyl Alcohol	1.891	45	94435	9.229	ppbv	95
20) Methylene Chloride	2.065	84	51973	8.566	ppbv	95
21) Allyl Chloride	2.101	41	117837	9.930	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	67488	9.614	ppbv	95
23) Vinyl Acetate	2.467	43	285868	12.247	ppbv	99
24) 1,1-Dichloroethane	2.415	63	136815	9.496	ppbv	100
25) Ethyl Acetate	2.842	43	456109	10.702	ppbv	100
26) Hexane	2.832	57	194417	10.399	ppbv	98
27) Carbon Disulfide	2.156	76	165760	10.356	ppbv	96
28) Methyl tert-Butyl Ether	2.447	73	88166	9.982	ppbv	98
29) Chloroform	2.855	83	301928	10.451	ppbv	95
30) Cyclohexane	3.865	84	164864	10.398	ppbv	96
31) cis-1,2-Dichloroethene	2.726	61	196928	10.250	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	296432	9.850	ppbv	100
34) 2-Butanone	2.561	43	297678	10.726	ppbv	98
35) Carbon Tetrachloride	3.771	117	310581	10.672	ppbv	98
36) Benzene	3.664	78	391679	10.548	ppbv	99
37) 1,2-Dichloroethane	3.227	62	236929	10.592	ppbv	99
38) Trichloroethene	4.561	130	178226	9.991	ppbv	97
39) 1,2-Dichloropropane	4.324	63	143986	10.505	ppbv	95
40) 1,4-Dioxane	4.596	88	64201	10.049	ppbv #	94
41) Tetrahydrofuran	3.059	42	161670	11.447	ppbv	97
42) Bromodichloromethane	4.499	83	324091	11.125	ppbv	100
43) Methyl Methacrylate	4.891	69	150704	11.418	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	674333	11.142	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	168632	11.393	ppbv	91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

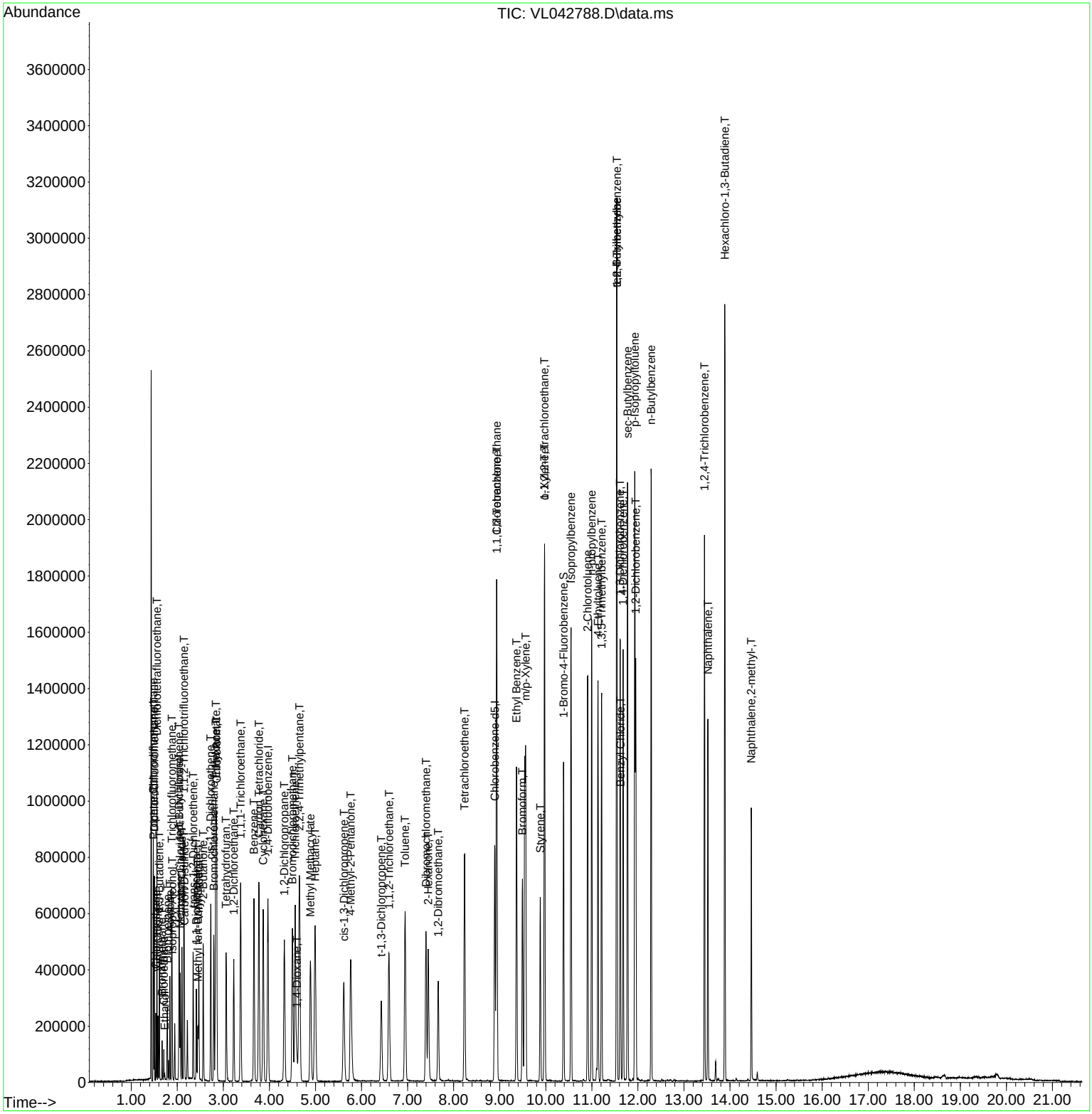
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.619	75	217364	11.589	ppbv		94
47)	1,1,2-Trichloroethane	6.597	97	155145	10.618	ppbv		97
48)	Dibromochloromethane	7.399	129	263177	11.346	ppbv		98
49)	Bromoform	9.493	173	233626	11.551	ppbv		98
50)	4-Methyl-2-Pentanone	5.765	43	396864	11.101	ppbv		100
51)	2-Hexanone	7.448	43	318210	11.778	ppbv	#	99
52)	Tetrachloroethene	8.234	164	143437	9.319	ppbv		98
53)	Toluene	6.946	91	440370	11.044	ppbv		99
54)	1,2-Dibromoethane	7.665	107	228691	11.078	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.937	131	196819	10.944	ppbv		99
57)	Chlorobenzene	8.933	112	349998	10.455	ppbv	#	95
58)	Ethyl Benzene	9.364	91	615736	11.272	ppbv		99
59)	m/p-Xylene	9.561	91	478347	10.957	ppbv	#	24
60)	o-Xylene	9.972	91	497901	11.414	ppbv		99
61)	Styrene	9.882	104	215469	11.742	ppbv		99
62)	Isopropylbenzene	10.549	105	716277	11.132	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.972	83	291626	10.413	ppbv		99
64)	n-propylbenzene	10.998	120	193965	11.563	ppbv		98
65)	tert-Butylbenzene	11.539	119	641028	11.215	ppbv		99
66)	Benzyl Chloride	11.623	91	65004	13.854	ppbv		98
67)	sec-Butylbenzene	11.775	105	905933	11.144	ppbv		100
69)	p-Isopropyltoluene	11.931	119	763427	11.517	ppbv		99
70)	n-Butylbenzene	12.287	91	779301	12.171	ppbv		99
71)	2-Chlorotoluene	10.908	91	552725	11.203	ppbv		100
72)	4-Ethyltoluene	11.134	105	611893	11.745	ppbv		99
73)	1,3,5-Trimethylbenzene	11.212	105	505734	11.791	ppbv		99
74)	1,2,4-Trimethylbenzene	11.545	105	562952	12.030	ppbv		93
75)	1,3-Dichlorobenzene	11.613	146	362463	11.049	ppbv		100
76)	1,4-Dichlorobenzene	11.678	146	359833	11.209	ppbv		99
77)	1,2-Dichlorobenzene	11.953	146	348624	10.812	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.886	225	282288	9.673	ppbv		98
79)	Naphthalene	13.520	128	561584	11.014	ppbv		100
80)	Naphthalene,2-methyl-	14.462	142	249243	9.837	ppbv		99
81)	1,2,4-Trichlorobenzene	13.445	180	314832	10.987	ppbv		99

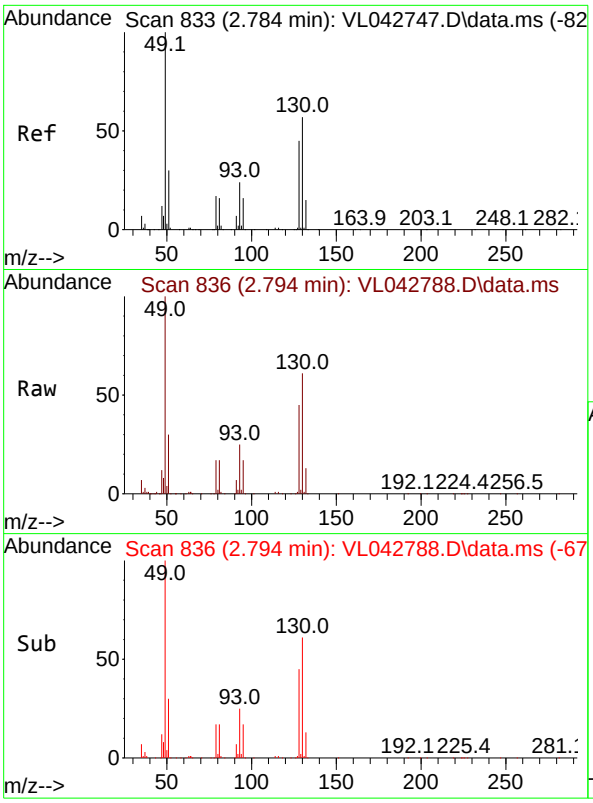
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042788.D
Acq On : 31 Jul 2025 08:37
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



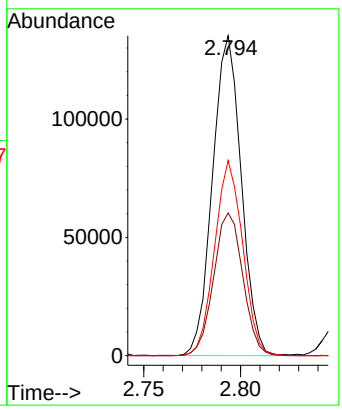


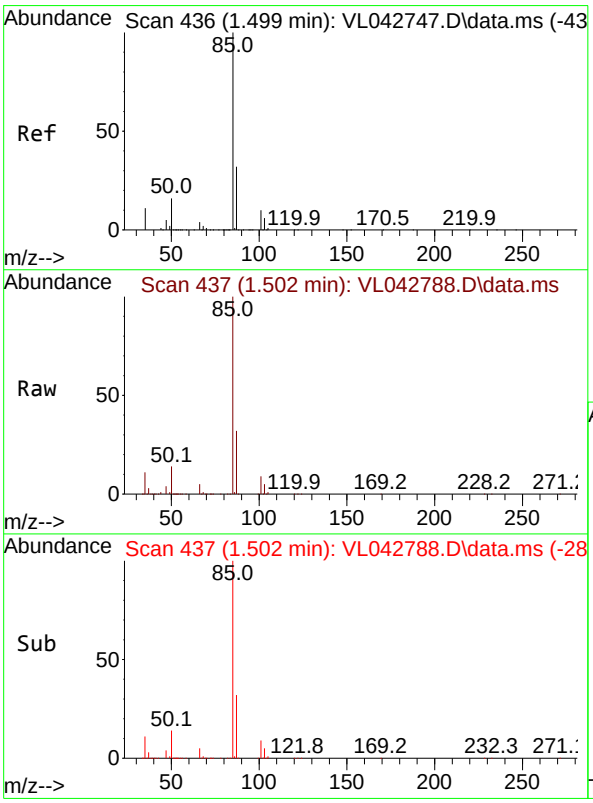
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 139439

Ion	Ratio	Lower	Upper
49	100		
128	45.4	23.6	71.0
130	59.7	30.3	90.8

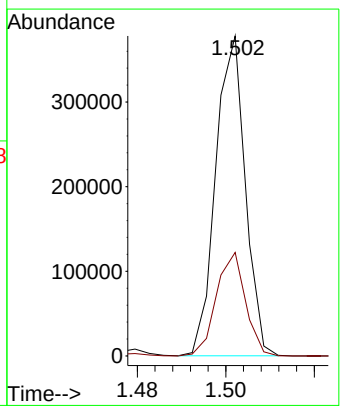


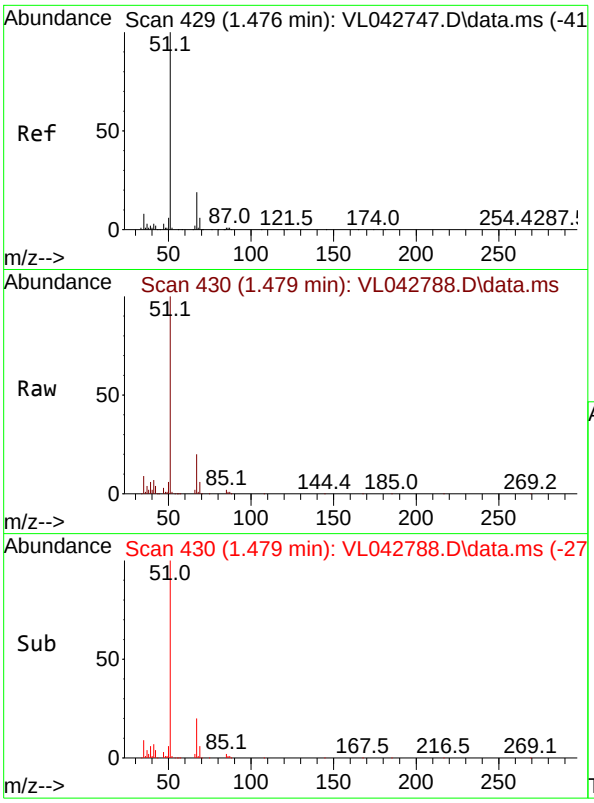


#2
Dichlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 175602

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.4	38.2



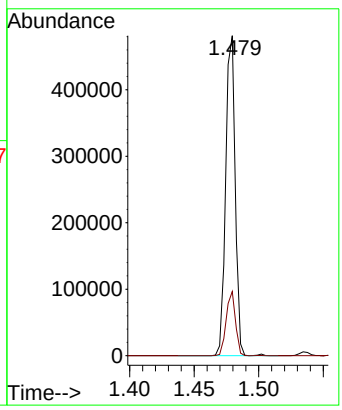


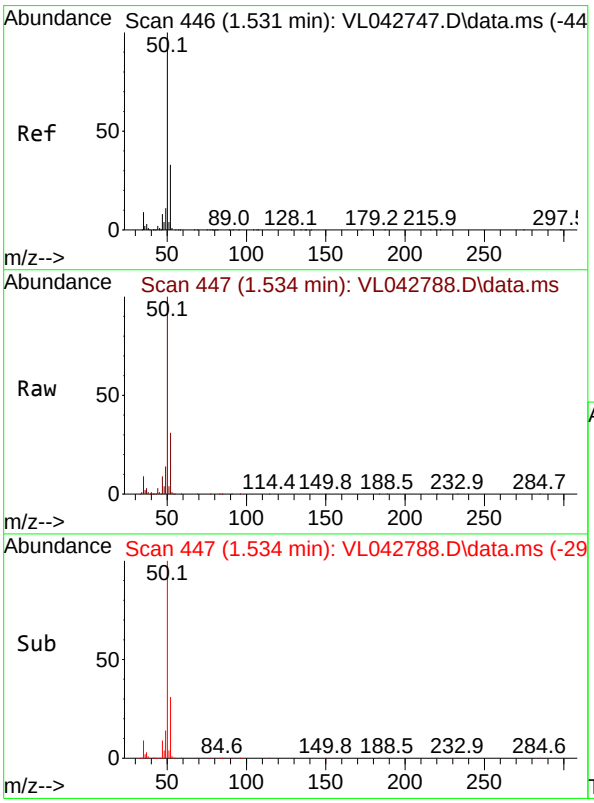
#3
Chlorodifluoromethane
Concen: 10.235 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 245813

Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.0	22.6

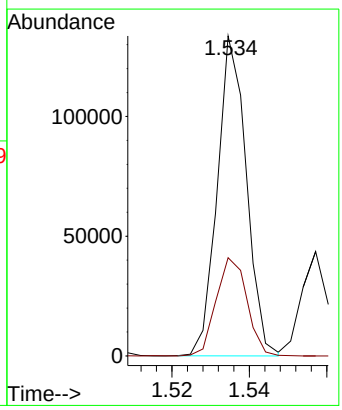


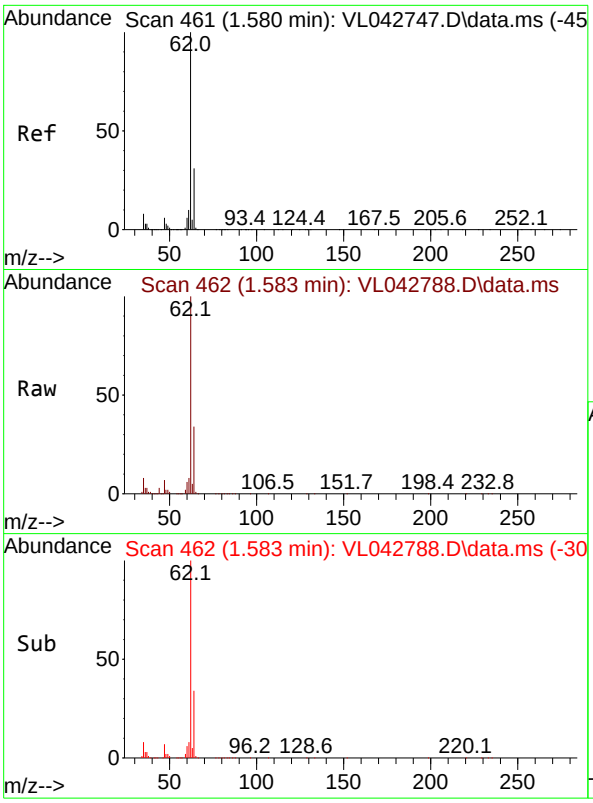


#4
Chloromethane
Concen: 9.341 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 50 Resp: 69667

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



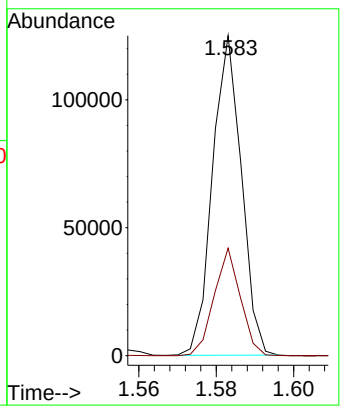


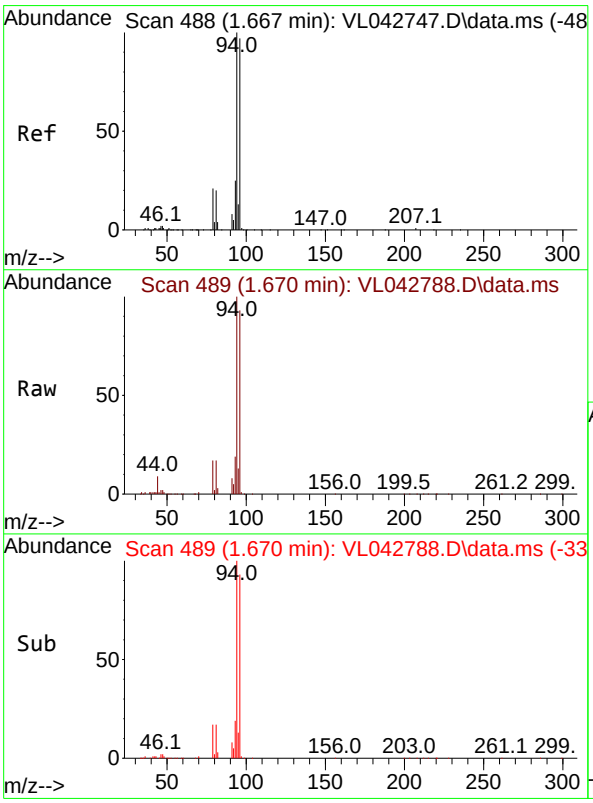
#5
Vinyl Chloride
Concen: 8.781 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 64707

Ion	Ratio	Lower	Upper
62	100		
64	33.7	24.5	36.7

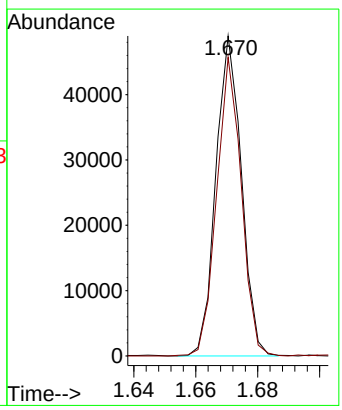


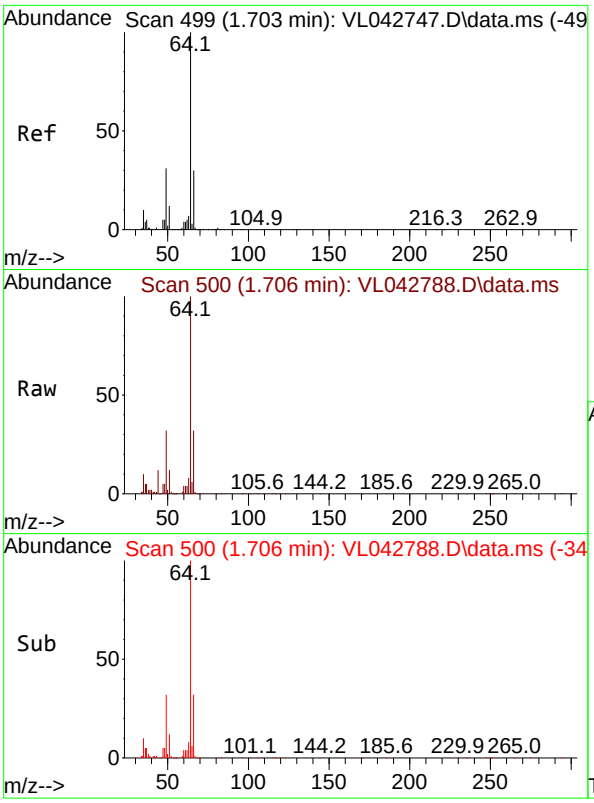


#6
Bromomethane
Concen: 9.837 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 94 Resp: 28024

Ion	Ratio	Lower	Upper
94	100		
96	93.2	77.6	116.4



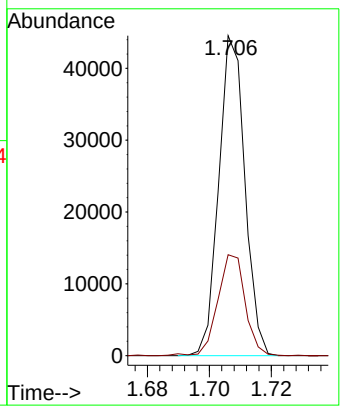


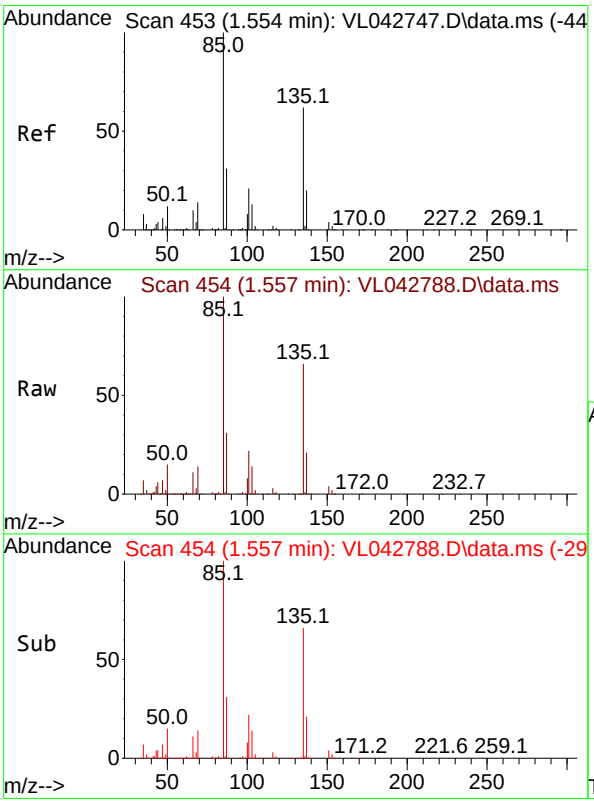
#7
Chloroethane
Concen: 9.160 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 26081

Ion	Ratio	Lower	Upper
64	100		
66	31.5	24.1	36.1

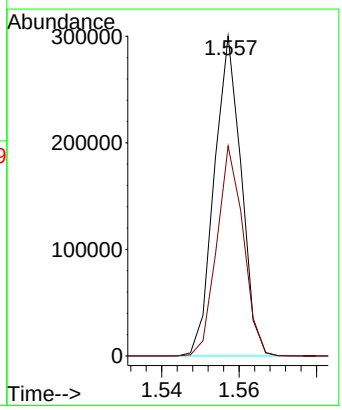


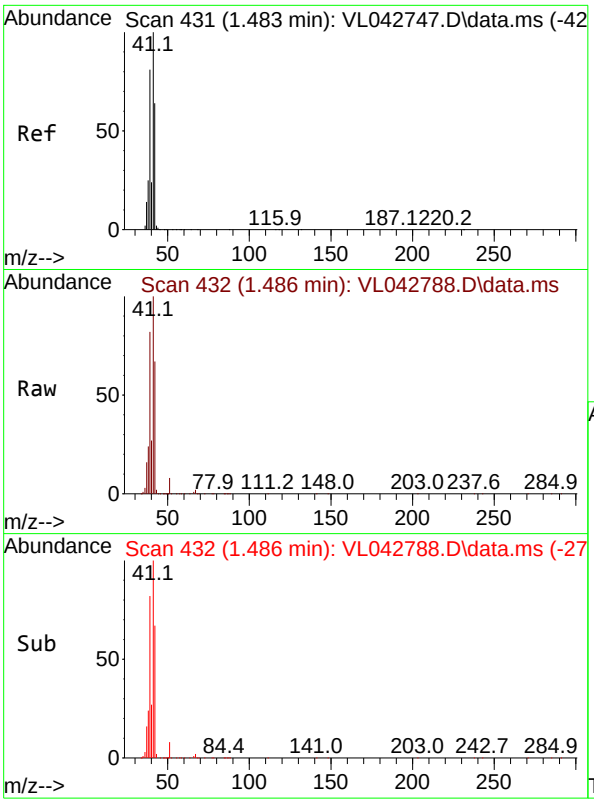


#8
Dichlorotetrafluoroethane
Concen: 9.571 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 145116

Ion	Ratio	Lower	Upper
85	100		
135	64.7	50.6	76.0



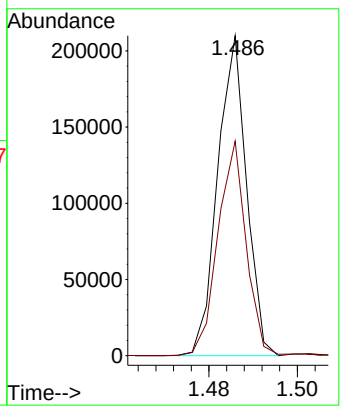


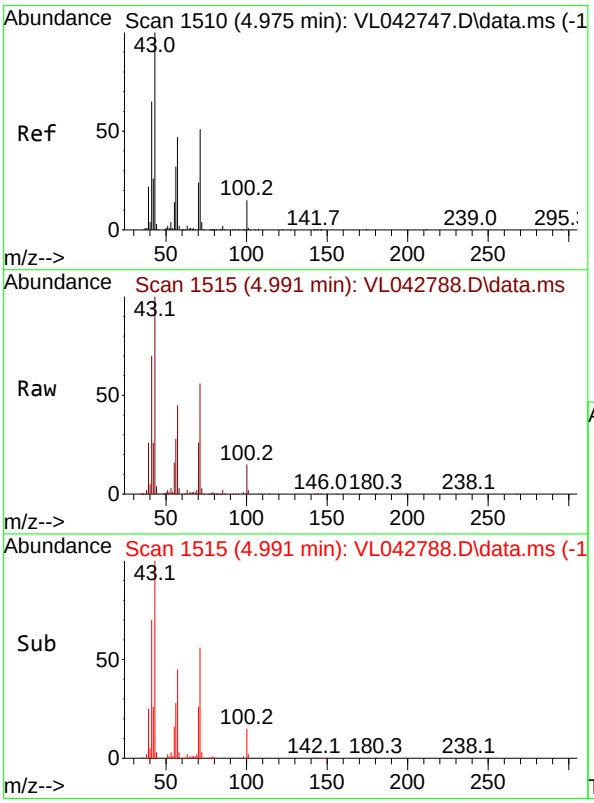
#9
Propene
Concen: 10.882 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 94980

Ion	Ratio	Lower	Upper
41	100		
42	66.3	53.2	79.8

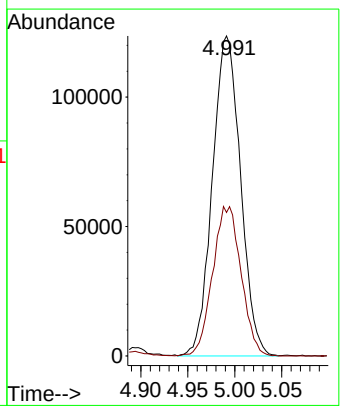


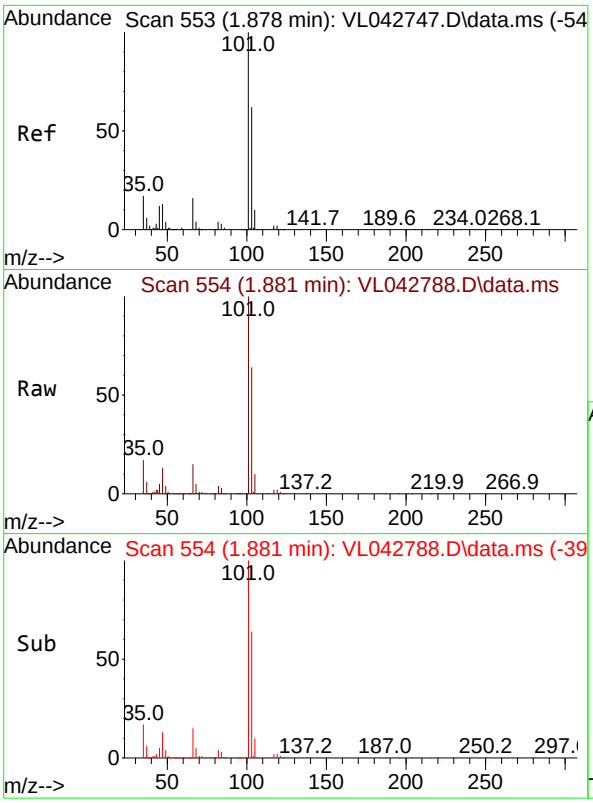


#10
Heptane
Concen: 10.950 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 257717

Ion	Ratio	Lower	Upper
43	100		
57	47.3	39.9	59.9



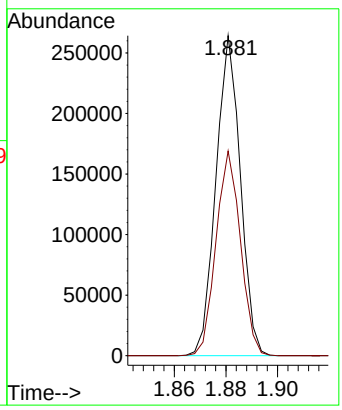


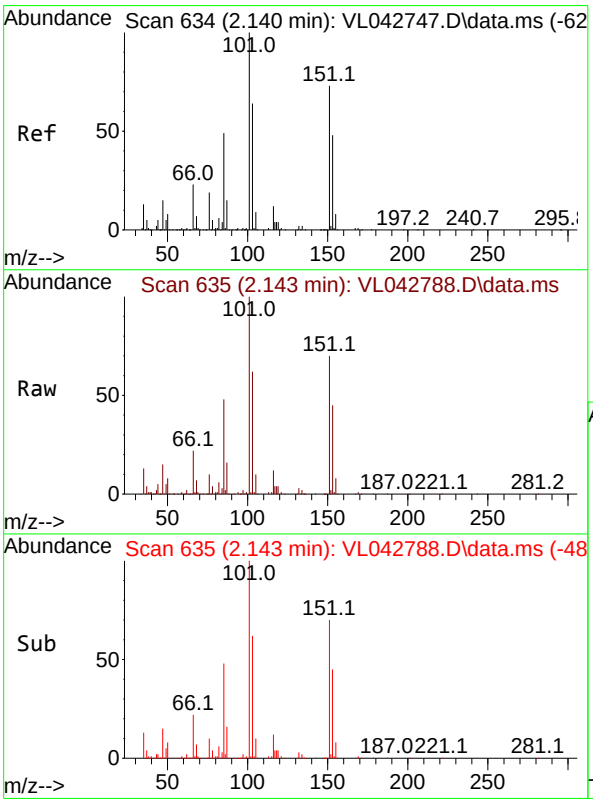
#11
Trichlorofluoromethane
Concen: 9.128 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 173476

Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.6	74.4

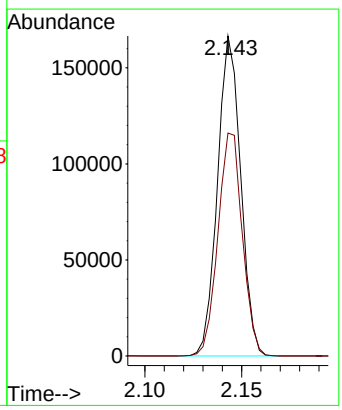


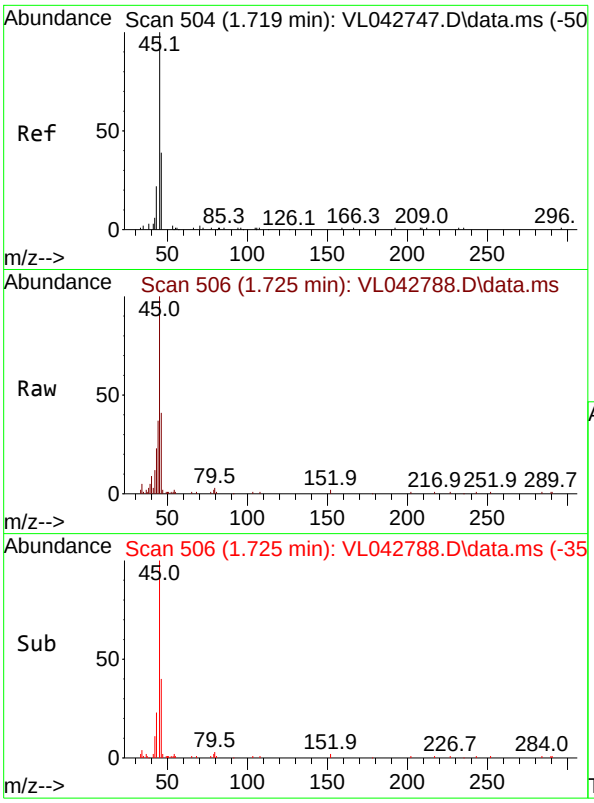


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.600 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:101 Resp: 138636

Ion	Ratio	Lower	Upper
101	100		
151	73.2	60.5	90.7



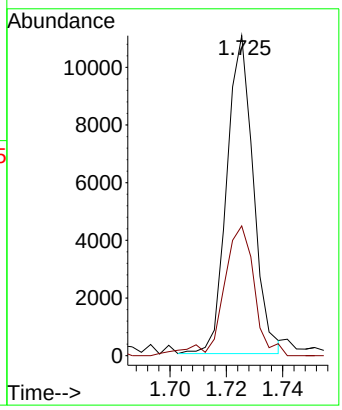


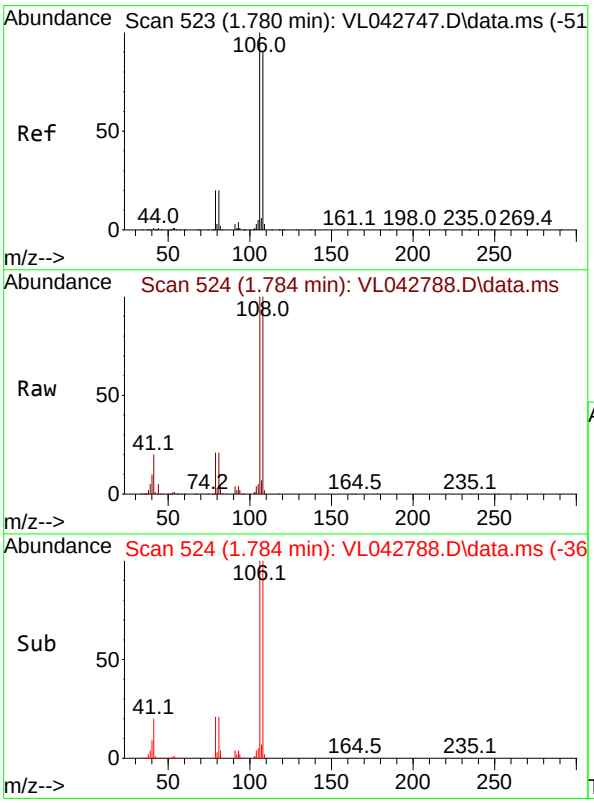
#13
Ethanol
Concen: 10.150 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 7183

Ion	Ratio	Lower	Upper
45	100		
46	47.6	17.8	71.4

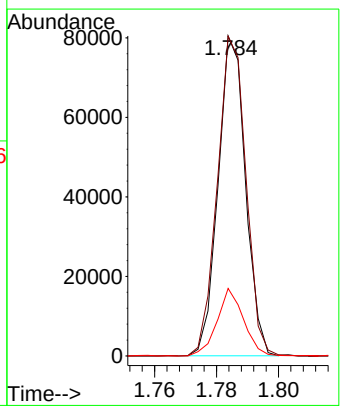


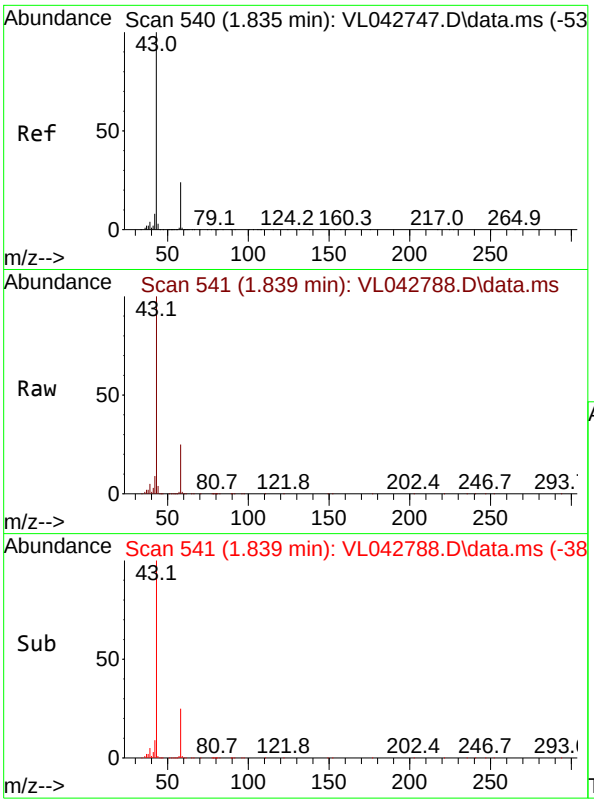


#14
Bromoethene
Concen: 9.639 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:108 Resp: 49283

Ion	Ratio	Lower	Upper
108	100		
106	104.5	84.7	127.1
79	20.7	17.4	26.2



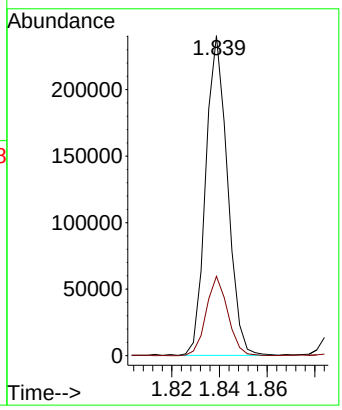


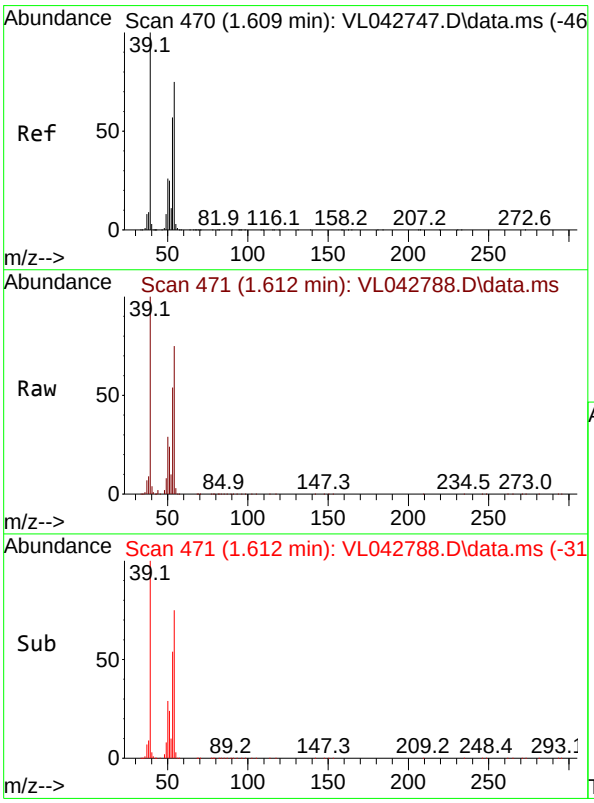
#15
Acetone
Concen: 7.924 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 152576

Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.8	29.8

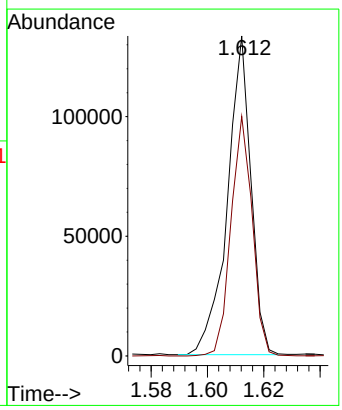


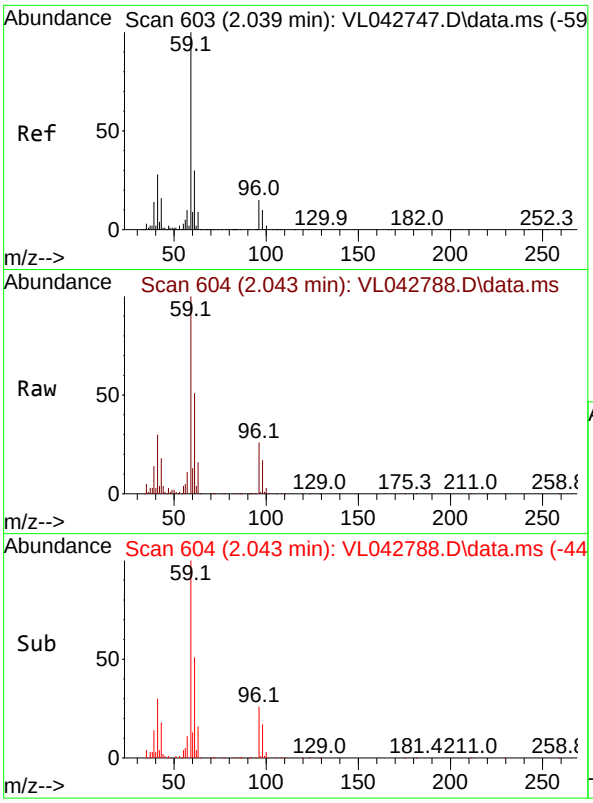


#16
1,3-Butadiene
Concen: 9.425 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 39 Resp: 77405

Ion	Ratio	Lower	Upper
39	100		
54	67.6	54.5	81.7



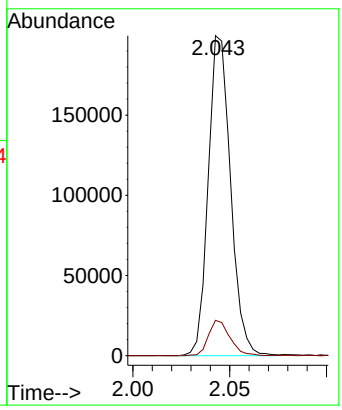


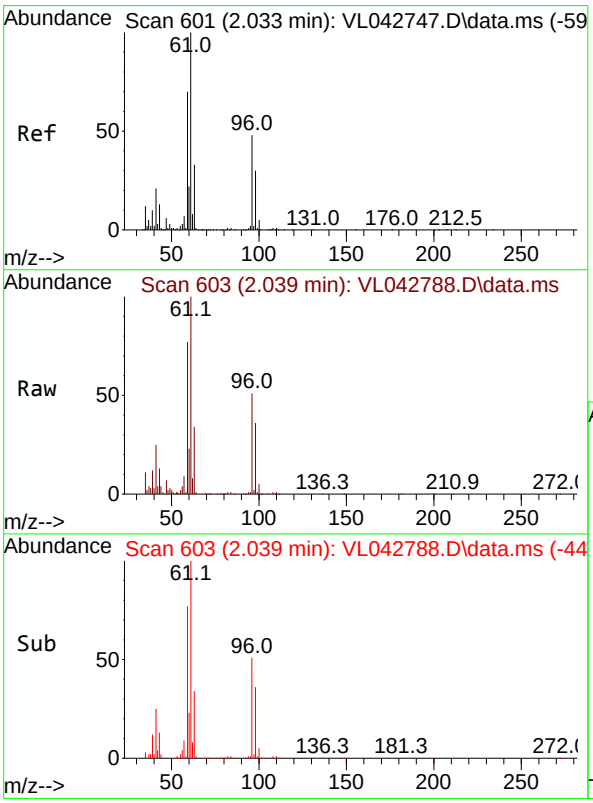
#17
tert-Butyl alcohol
Concen: 9.237 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 160407

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

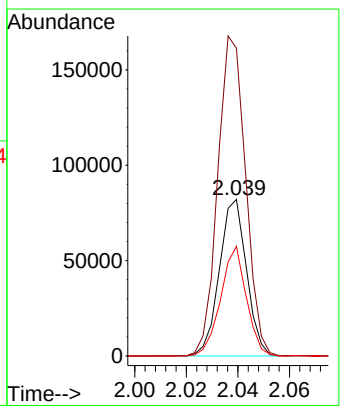


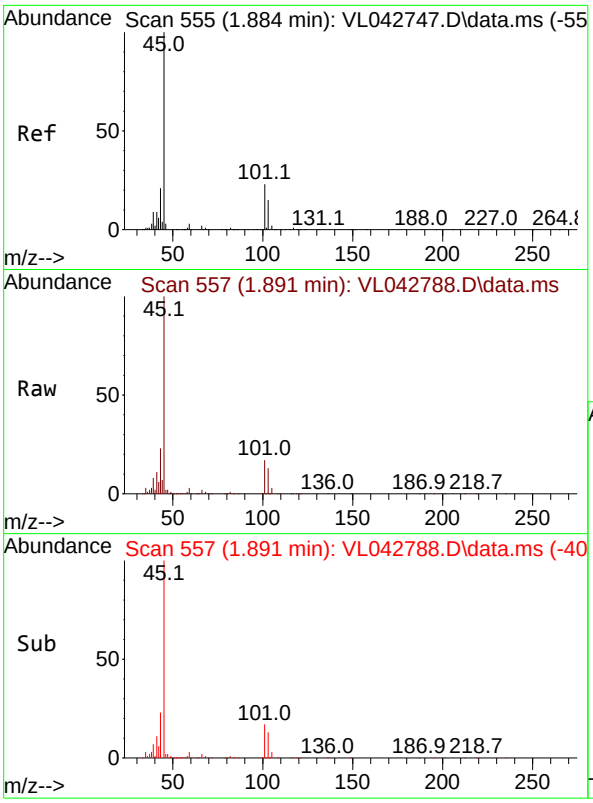


#18
1,1-Dichloroethene
Concen: 9.195 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 96 Resp: 60001

Ion	Ratio	Lower	Upper
96	100		
61	196.6	165.8	248.6
98	70.1	49.9	74.9



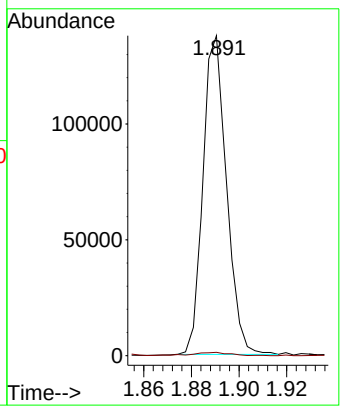


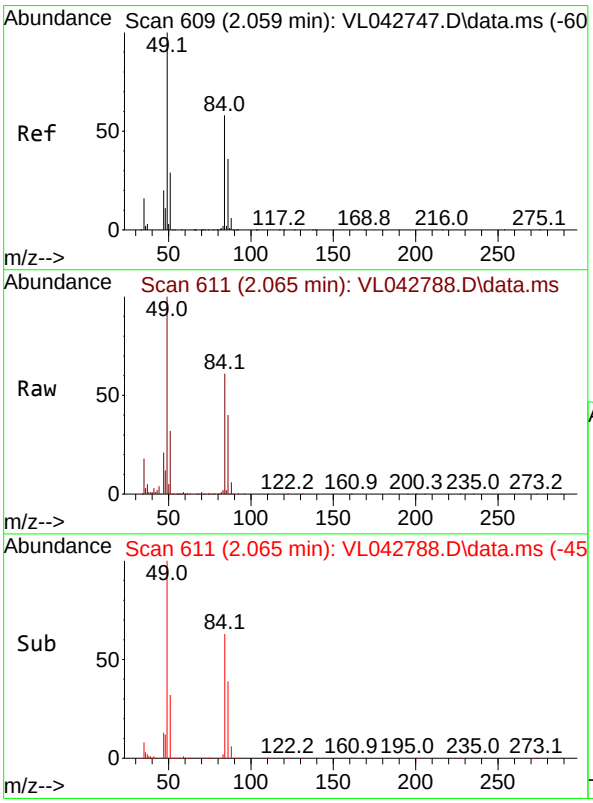
#19
Isopropyl Alcohol
Concen: 9.229 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 94435

Ion	Ratio	Lower	Upper
45	100		
58	40.2	30.0	45.0

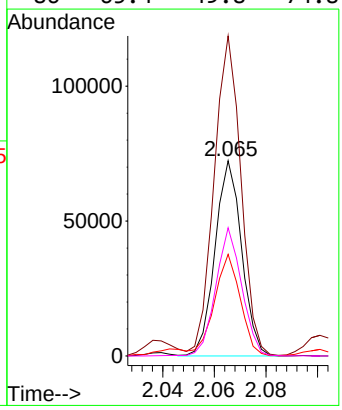


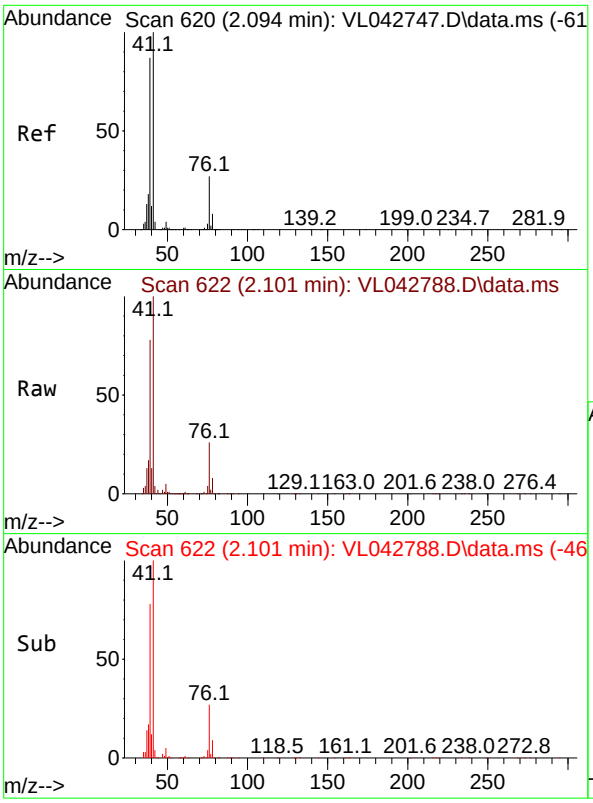


#20
Methylene Chloride
Concen: 8.566 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 84 Resp: 51973

Ion	Ratio	Lower	Upper
84	100		
49	163.4	138.6	208.0
51	51.9	40.6	61.0
86	65.4	49.8	74.8



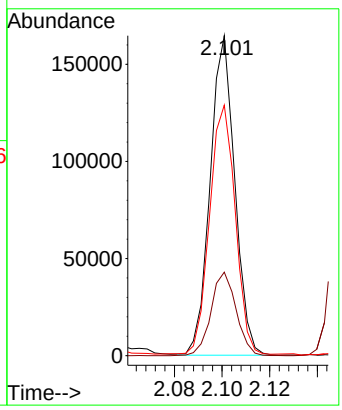


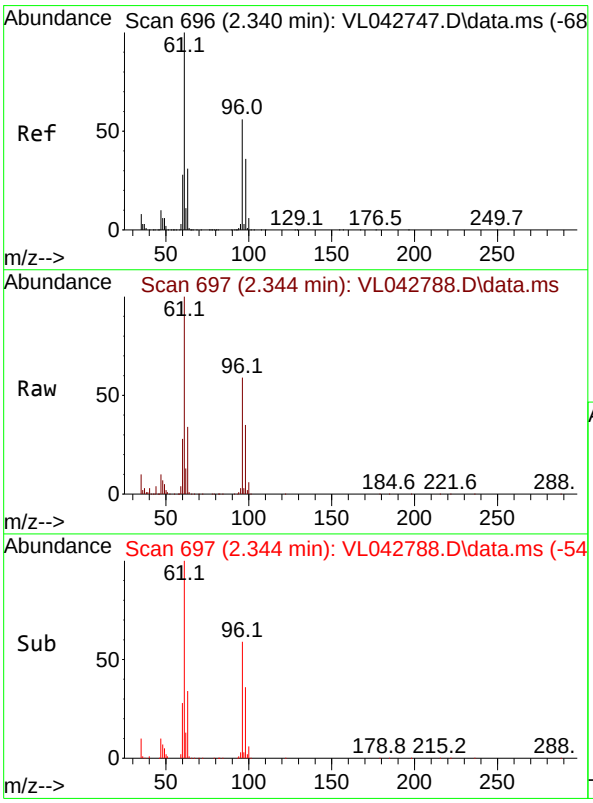
#21
Allyl Chloride
Concen: 9.930 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 117837

Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.1	31.7
39	82.2	68.3	102.5

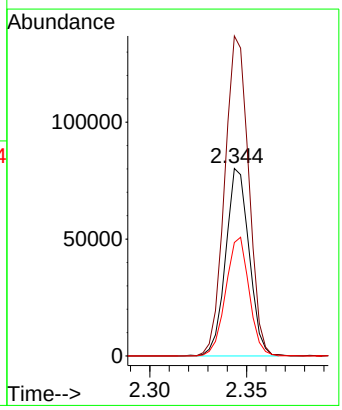


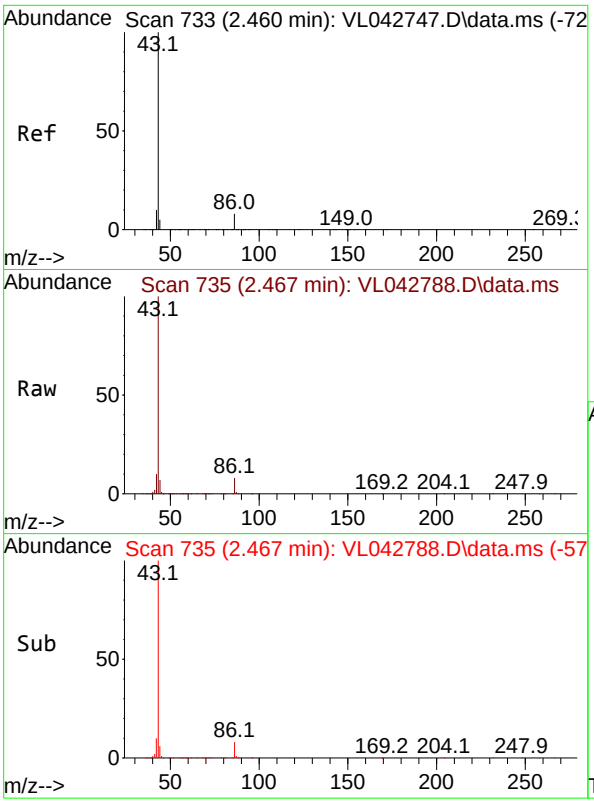


#22
trans-1,2-Dichloroethene
Concen: 9.614 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 96 Resp: 67488

Ion	Ratio	Lower	Upper
96	100		
61	170.6	142.3	213.5
98	60.5	50.6	76.0



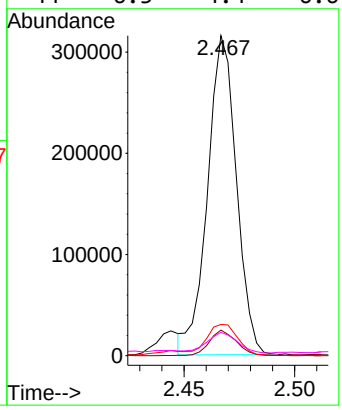


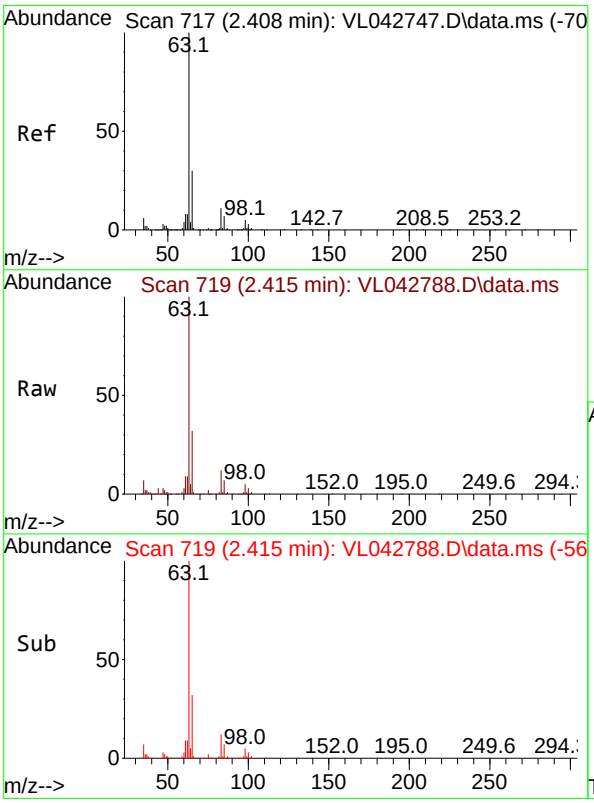
#23
Vinyl Acetate
Concen: 12.247 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 285868

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	9.6	7.8	11.8
44	6.3	4.4	6.6

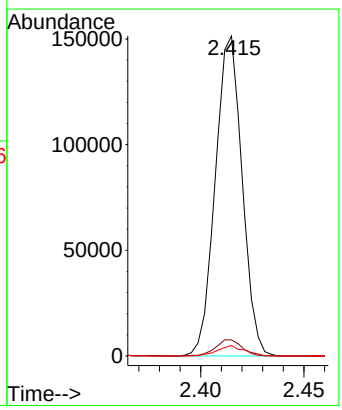


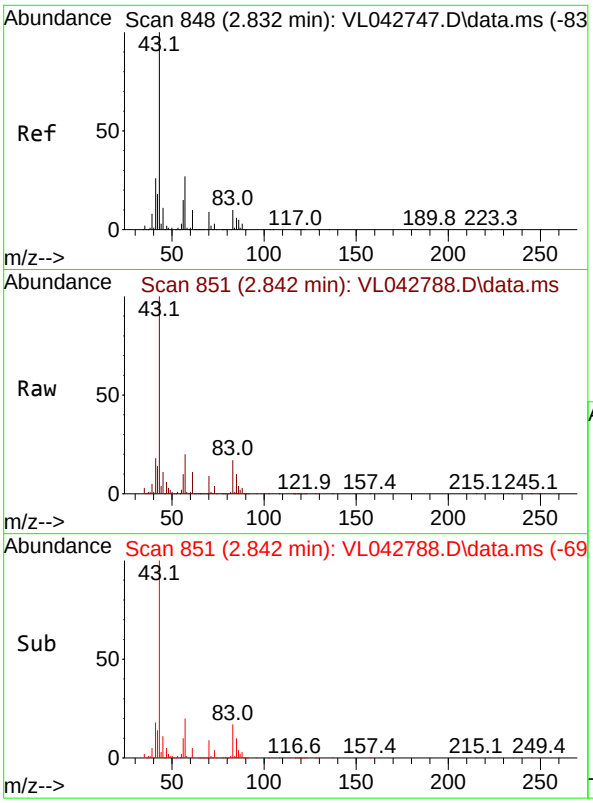


#24
1,1-Dichloroethane
Concen: 9.496 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 63 Resp: 136815

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.4
100	3.3	1.6	4.8



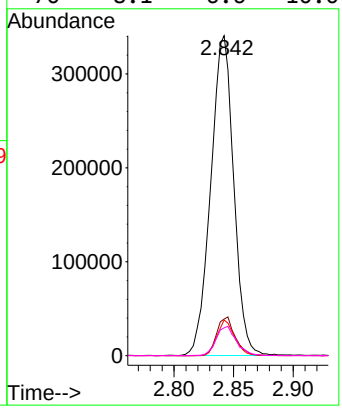


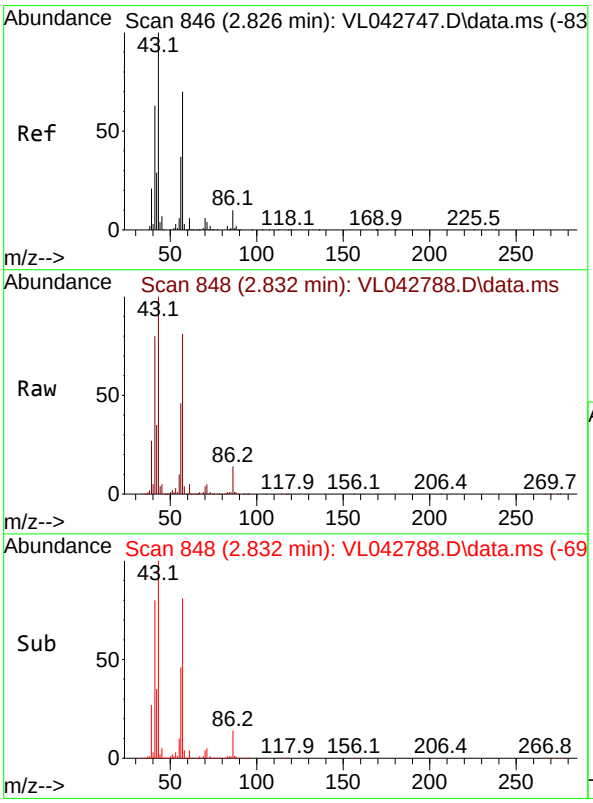
#25
Ethyl Acetate
Concen: 10.702 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 456109

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.7	6.7	10.1
70	8.1	6.6	10.0

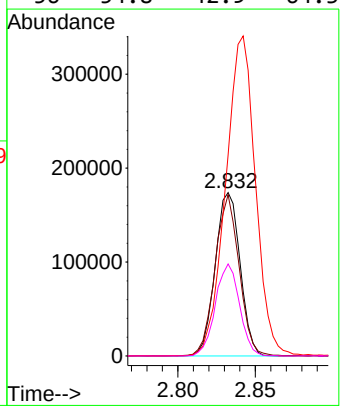


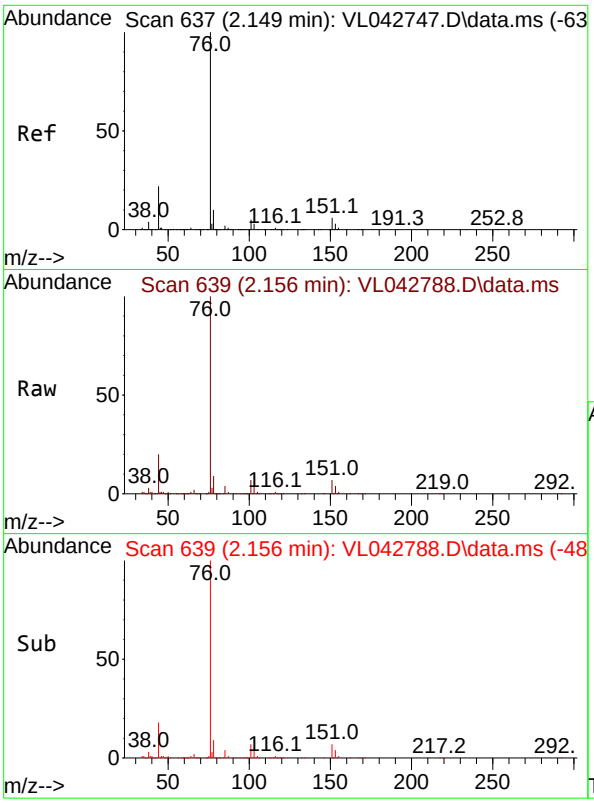


#26
Hexane
Concen: 10.399 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 194417

Ion	Ratio	Lower	Upper
57	100		
41	95.9	75.4	113.2
43	235.7	185.0	277.6
56	54.8	42.9	64.3



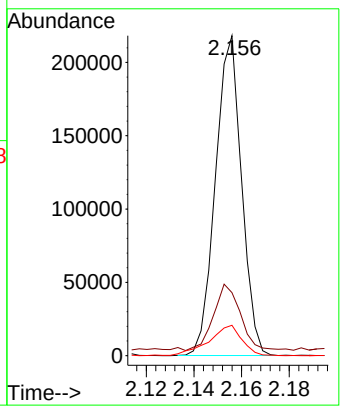


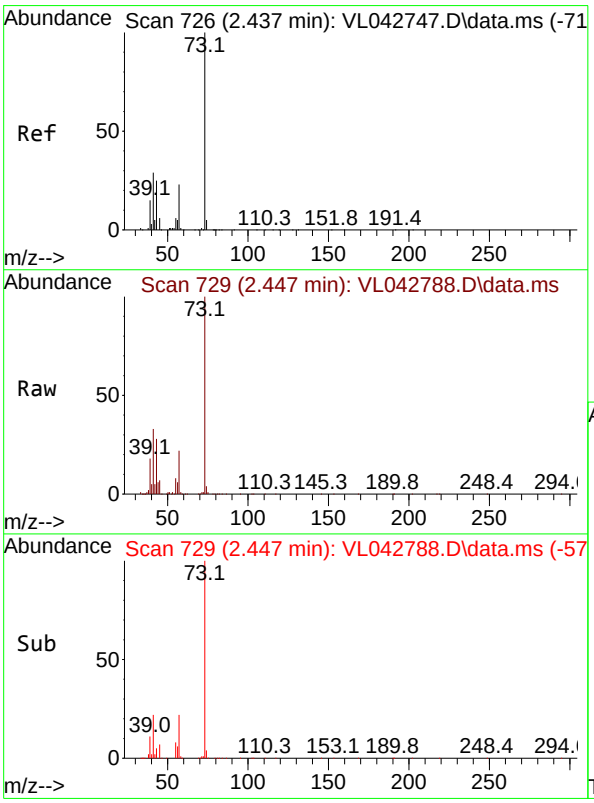
#27
Carbon Disulfide
Concen: 10.356 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 165760

Ion	Ratio	Lower	Upper
76	100		
44	21.5	19.3	28.9
78	12.1	9.9	14.9

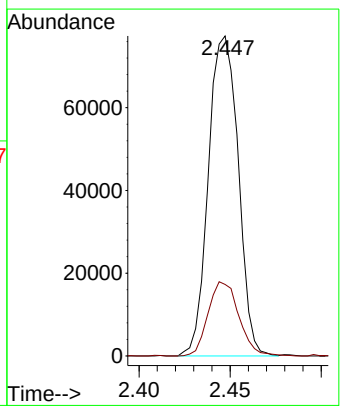


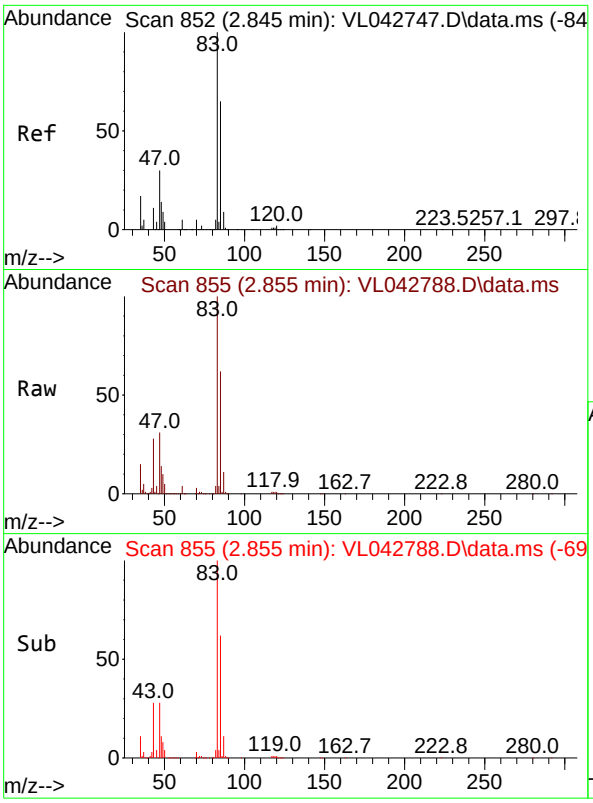


#28
Methyl tert-Butyl Ether
Concen: 9.982 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 73 Resp: 88166

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.8	29.8



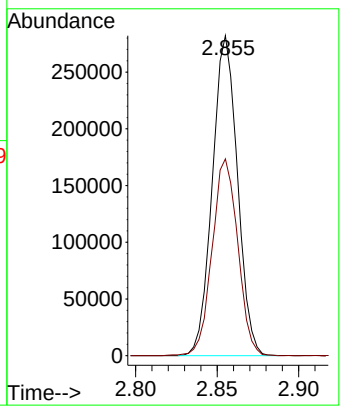


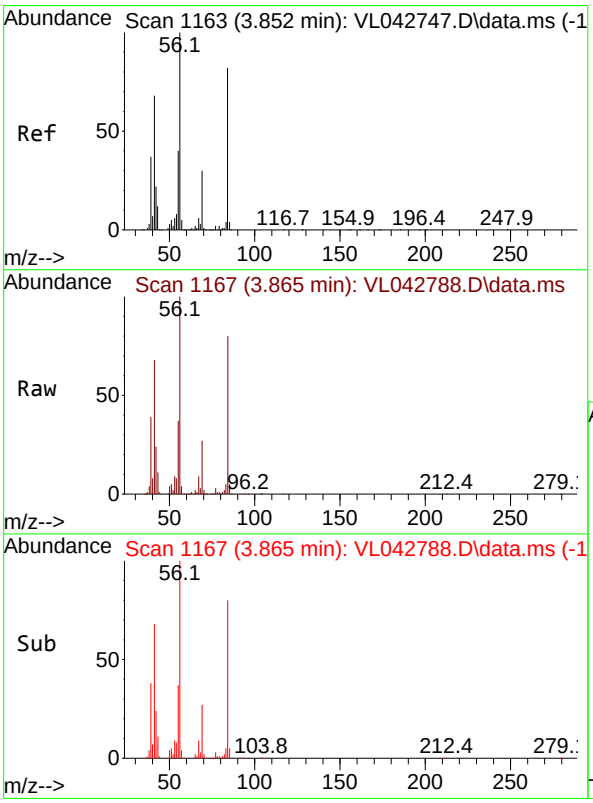
#29
Chloroform
Concen: 10.451 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 301928

Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.2	78.2

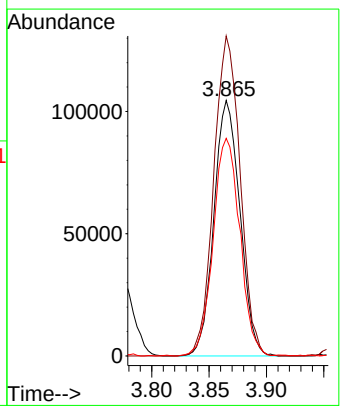


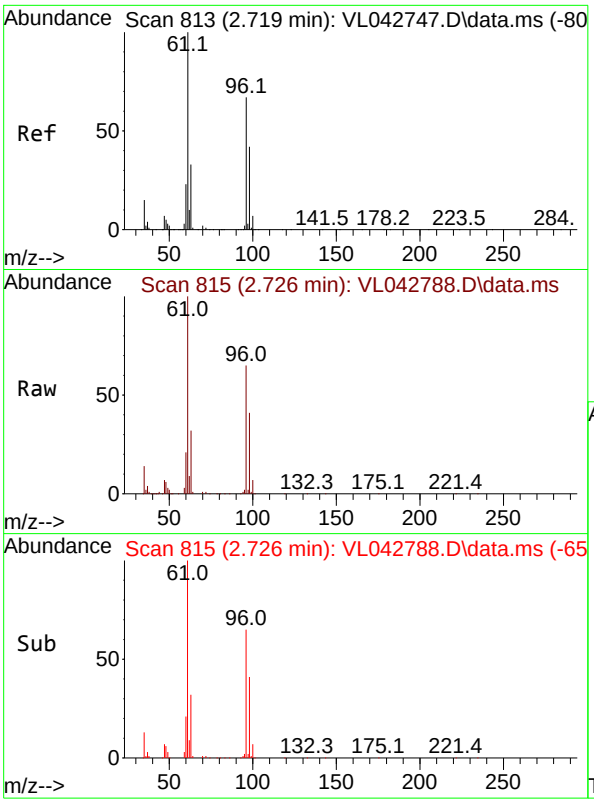


#30
Cyclohexane
Concen: 10.398 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 84 Resp: 164864

Ion	Ratio	Lower	Upper
84	100		
56	126.6	97.5	146.3
41	87.2	67.2	100.8



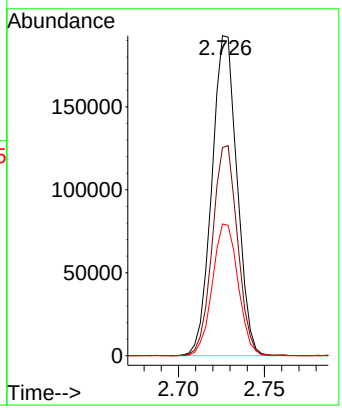


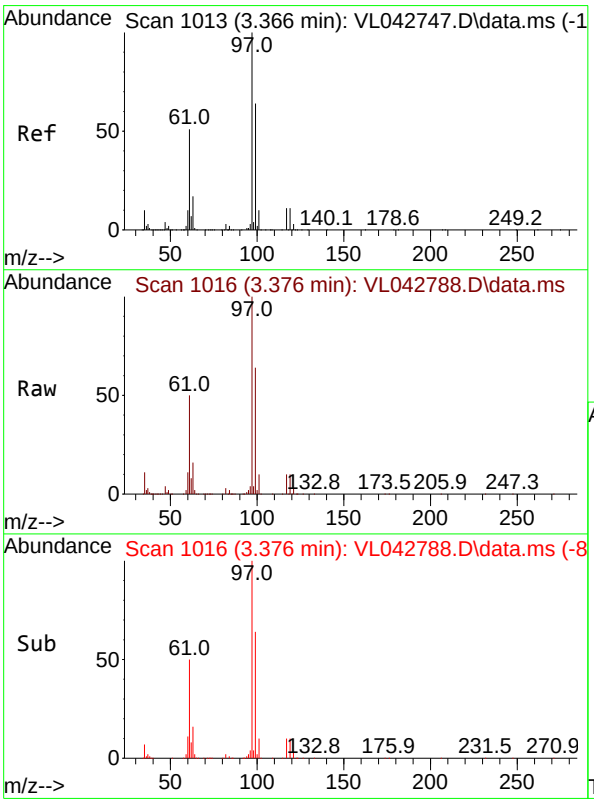
#31
cis-1,2-Dichloroethene
Concen: 10.250 ppbv
RT: 2.726 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 196928

Ion	Ratio	Lower	Upper
61	100		
96	64.9	53.5	80.3
98	41.2	33.6	50.4

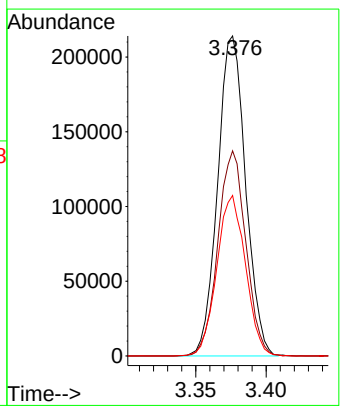


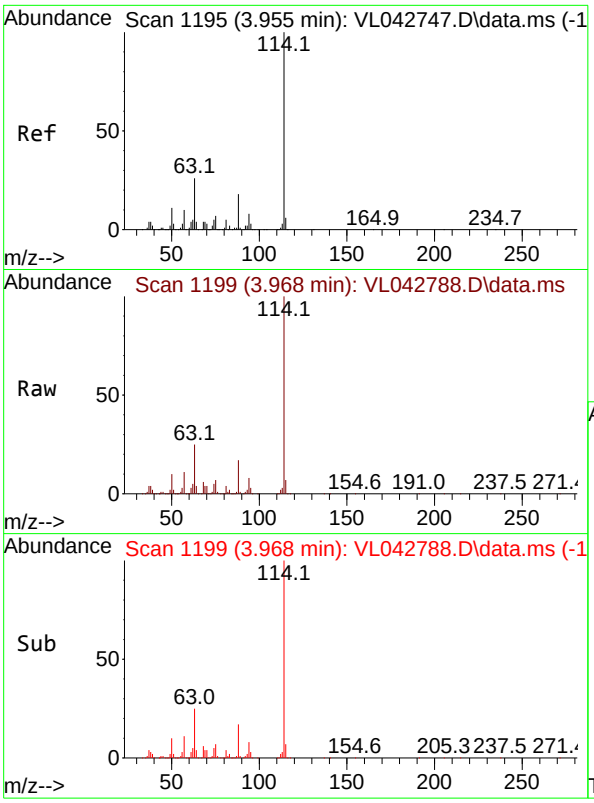


#32
1,1,1-Trichloroethane
Concen: 9.850 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 97 Resp: 296432

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	51.5	40.9	61.3



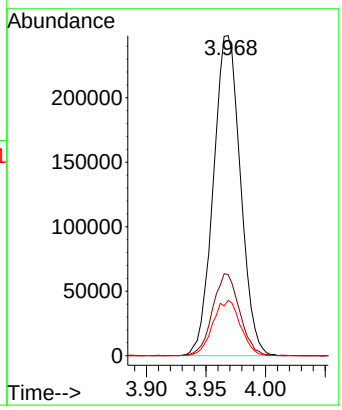


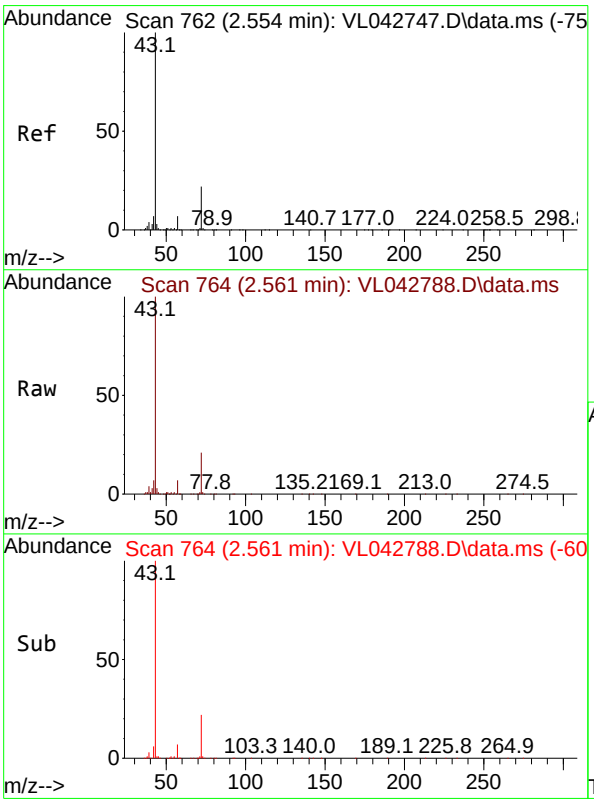
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 391811

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.6	14.0	21.0

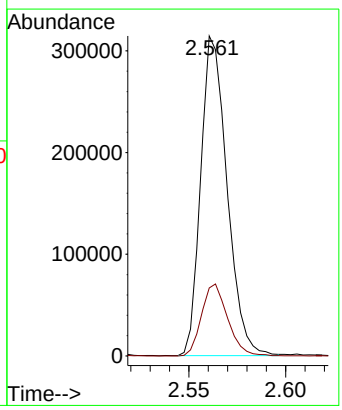


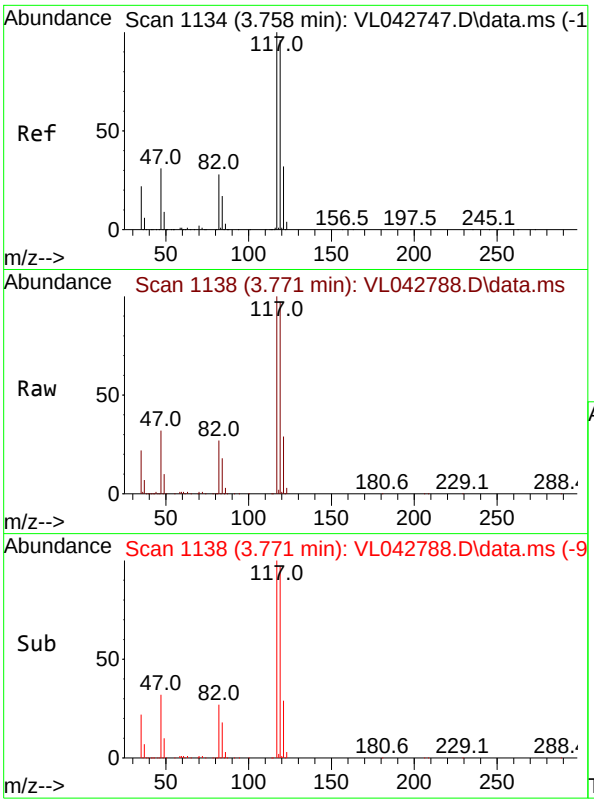


#34
2-Butanone
Concen: 10.726 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 297678

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.4	26.0



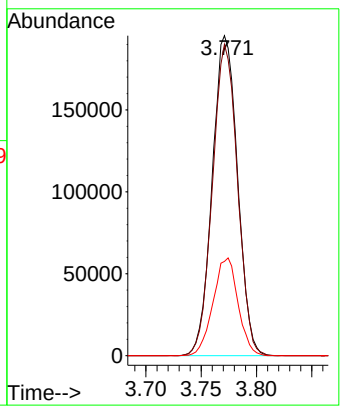


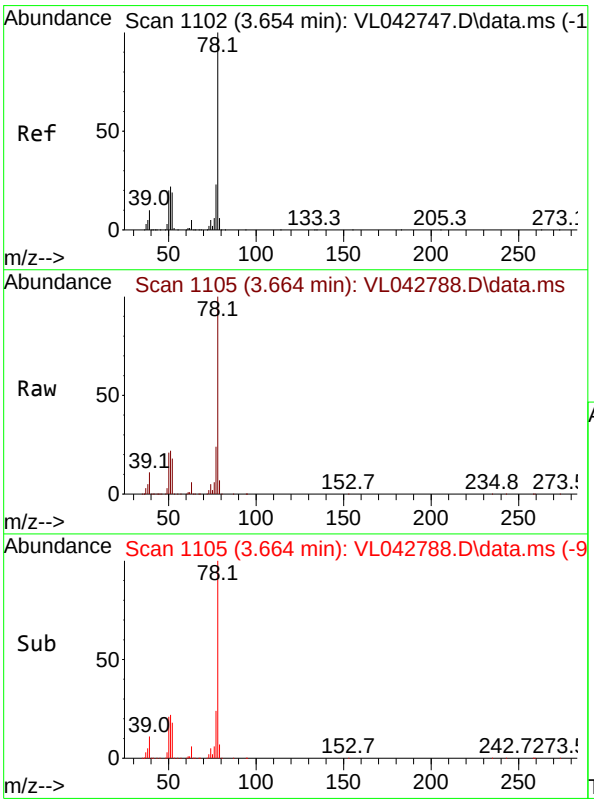
#35
Carbon Tetrachloride
Concen: 10.672 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 310581

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.1	115.7
121	29.5	25.5	38.3

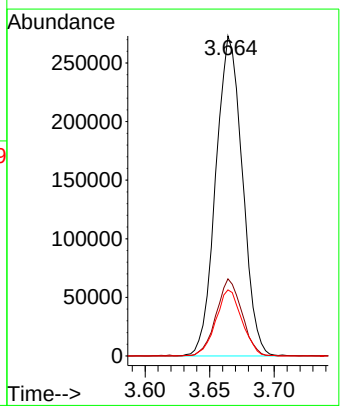


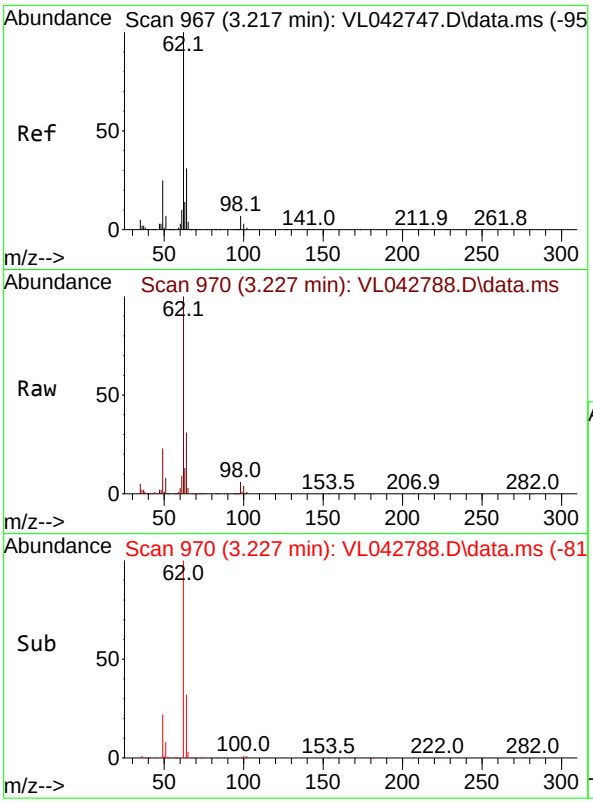


#36
Benzene
Concen: 10.548 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 78 Resp: 391679

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7
50	20.6	16.2	24.2



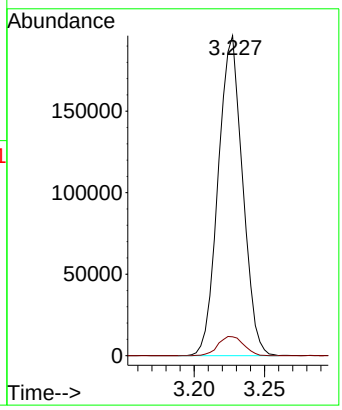


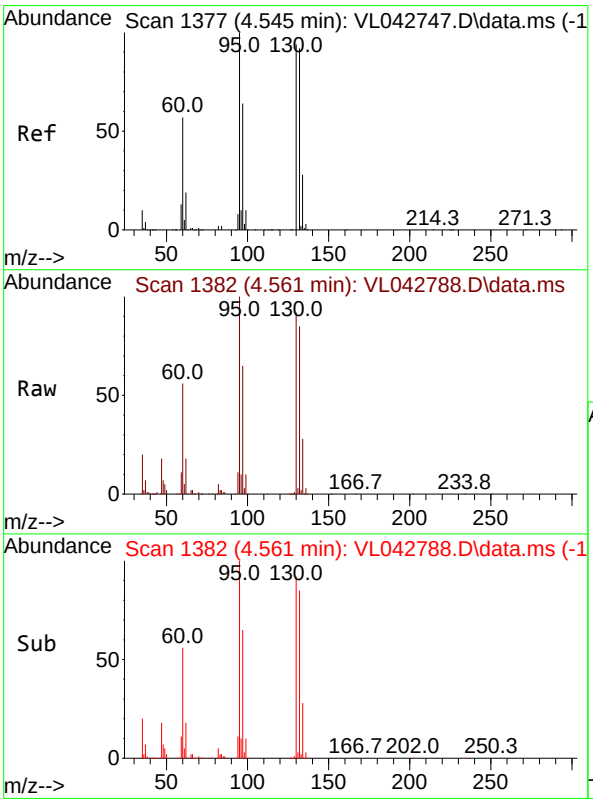
#37
1,2-Dichloroethane
Concen: 10.592 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 236929

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.2	7.8

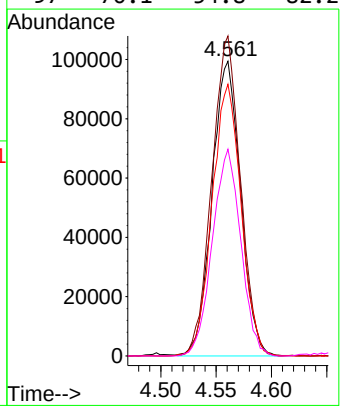


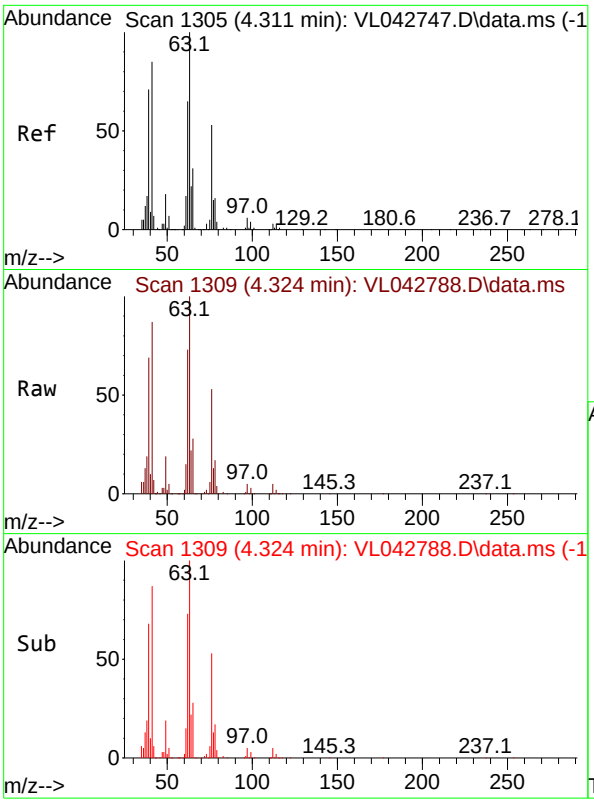


#38
Trichloroethene
Concen: 9.991 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:130 Resp: 178226

Ion	Ratio	Lower	Upper
130	100		
95	108.2	85.4	128.2
132	92.1	78.2	117.2
97	70.1	54.8	82.2



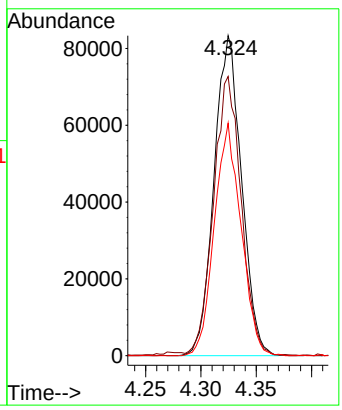


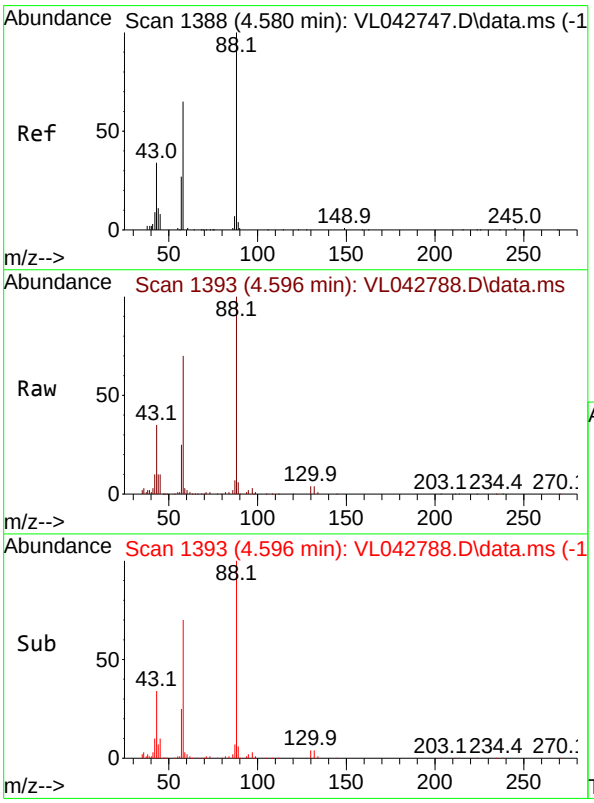
#39
1,2-Dichloropropane
Concen: 10.505 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 143986

Ion	Ratio	Lower	Upper
63	100		
41	87.0	68.2	102.4
62	72.7	52.0	78.0

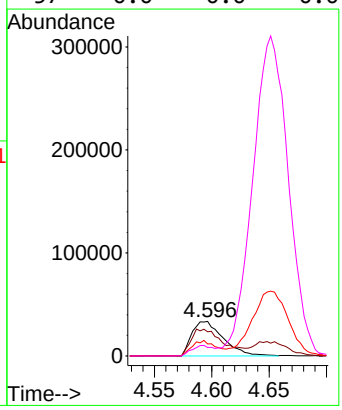


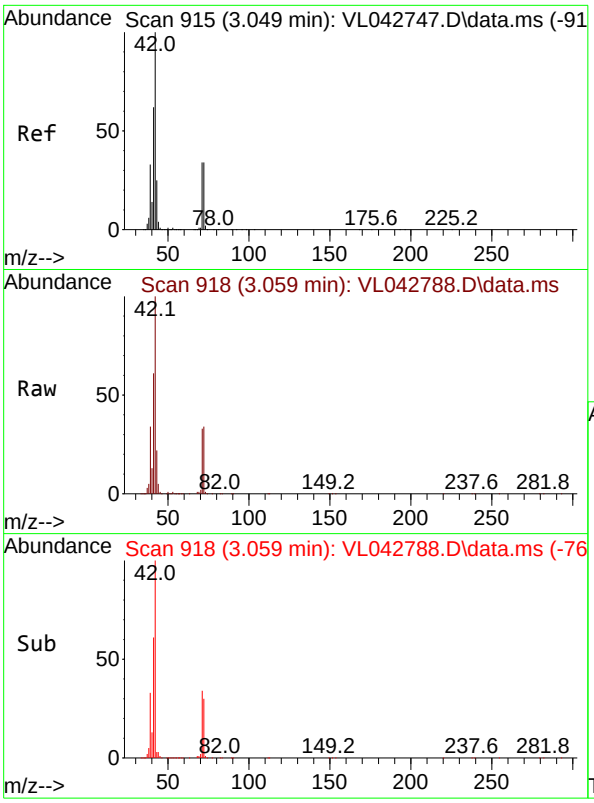


#40
1,4-Dioxane
Concen: 10.049 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 88 Resp: 64201

Ion	Ratio	Lower	Upper
88	100		
58	79.6	58.8	88.2
43	33.4	28.9	43.3
57	0.0	0.0	0.0



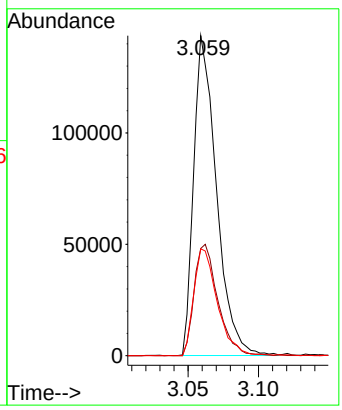


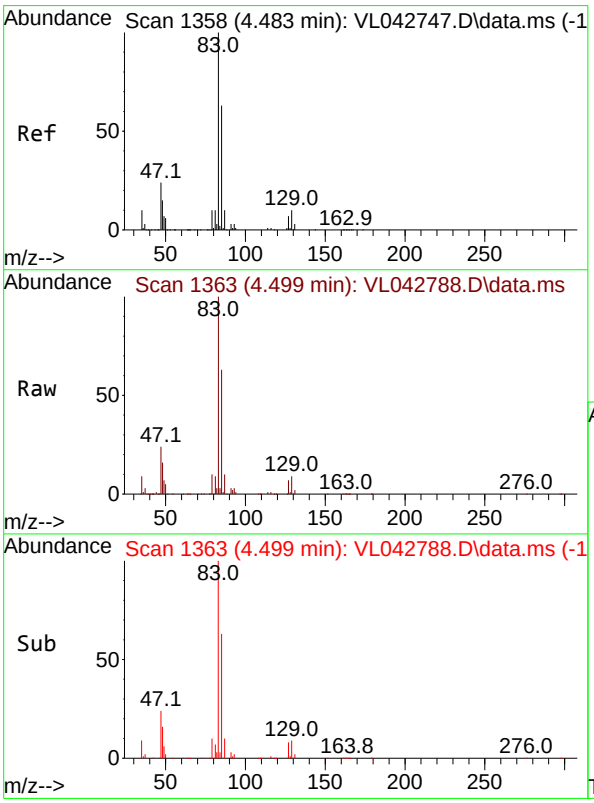
#41
Tetrahydrofuran
Concen: 11.447 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 161670

Ion	Ratio	Lower	Upper
42	100		
72	36.3	30.9	46.3
71	34.9	28.6	43.0

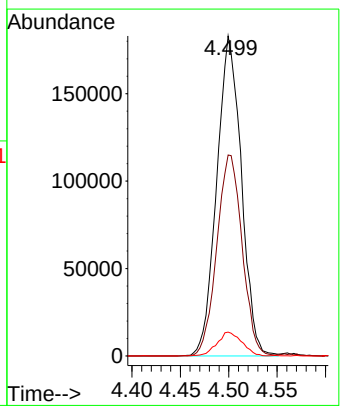


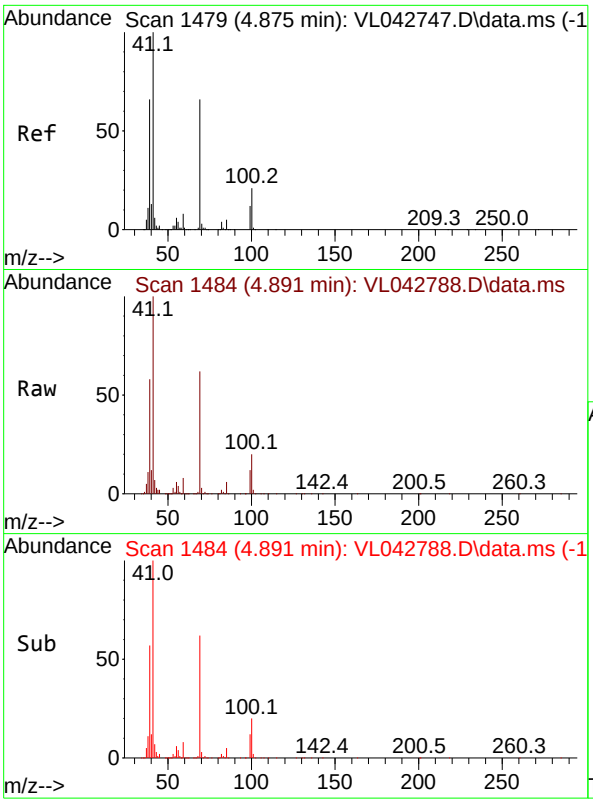


#42
Bromodichloromethane
Concen: 11.125 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 83 Resp: 324091

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	7.5	5.4	8.2



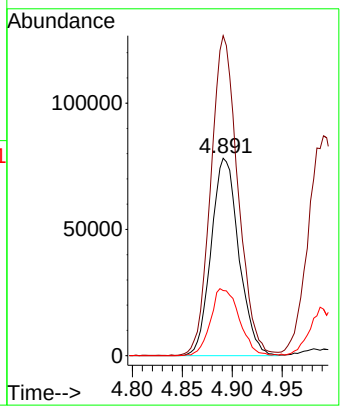


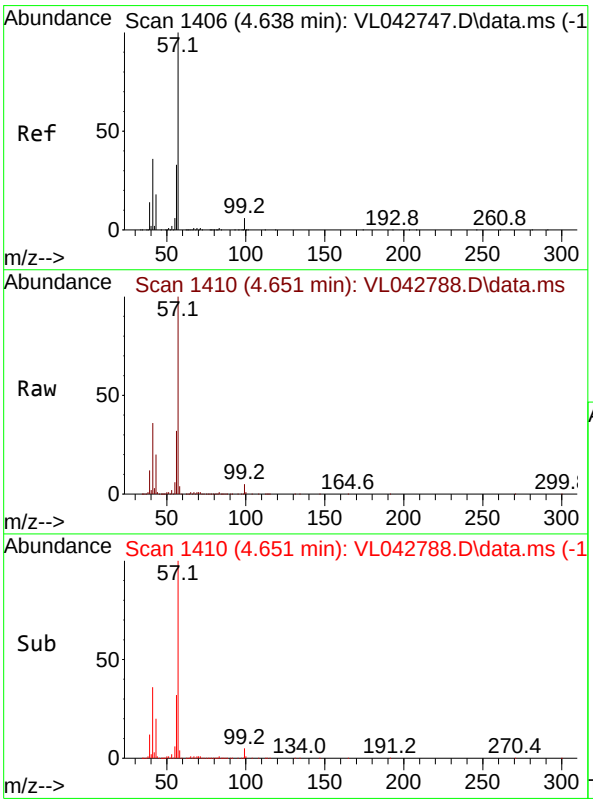
#43
Methyl Methacrylate
Concen: 11.418 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 150704

Ion	Ratio	Lower	Upper
69	100		
41	159.5	125.7	188.5
100	35.3	28.6	42.8

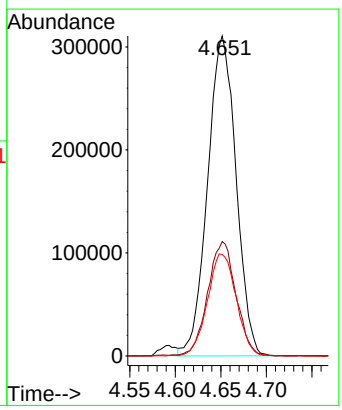


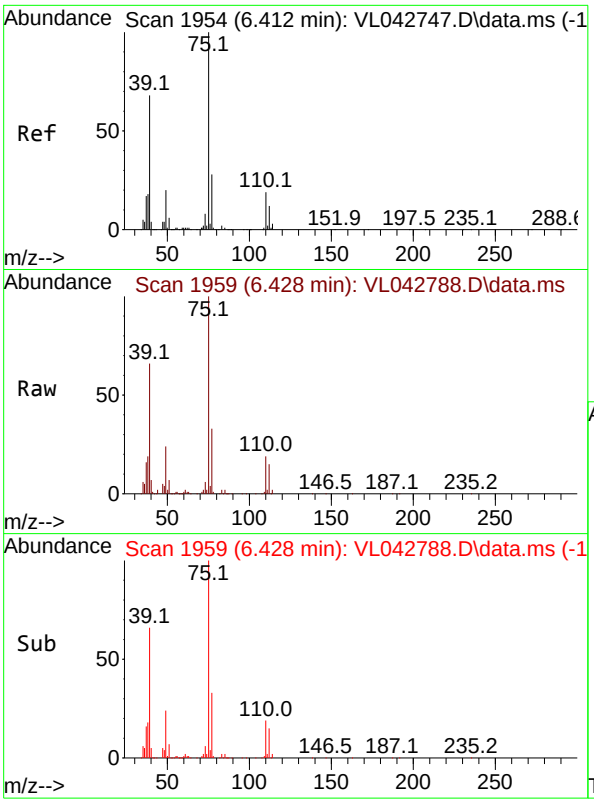


#44
2,2,4-Trimethylpentane
Concen: 11.142 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 674333

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.3	42.5
56	32.4	25.8	38.6



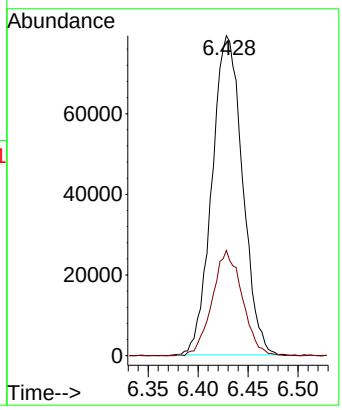


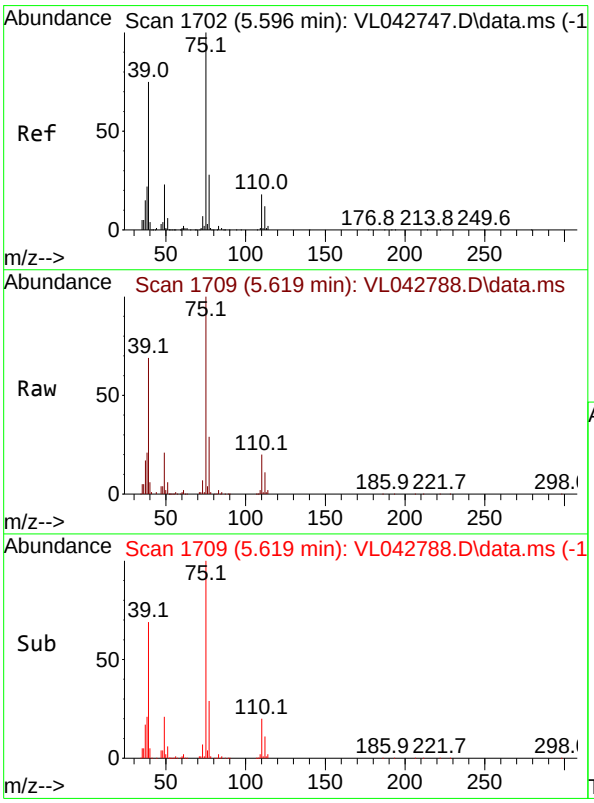
#45
t-1,3-Dichloropropene
Concen: 11.393 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 168632

Ion	Ratio	Lower	Upper
75	100		
77	32.9	22.4	33.6

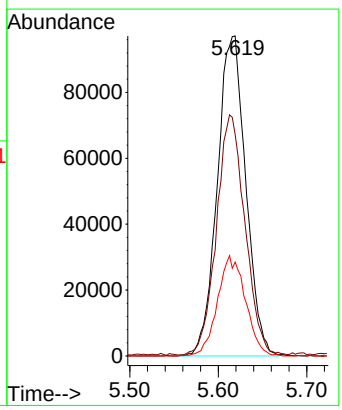


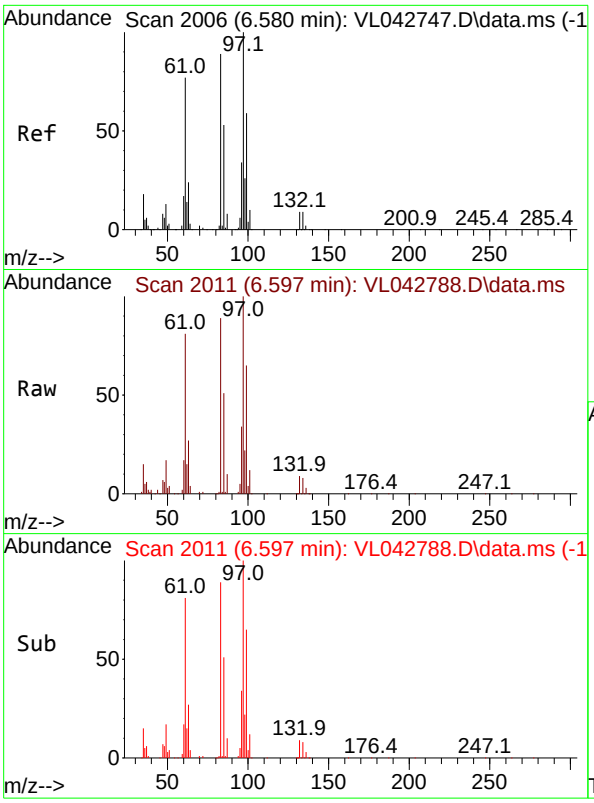


#46
cis-1,3-Dichloropropene
Concen: 11.589 ppbv
RT: 5.619 min Scan# 1709
Delta R.T. 0.023 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 75 Resp: 217364

Ion	Ratio	Lower	Upper
75	100		
39	68.9	60.2	90.2
77	29.3	22.6	34.0



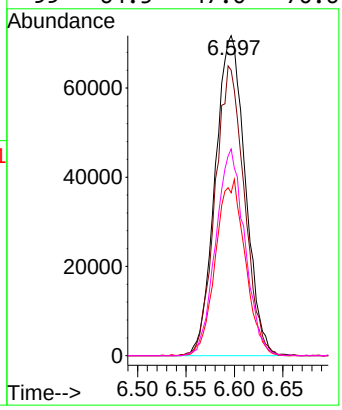


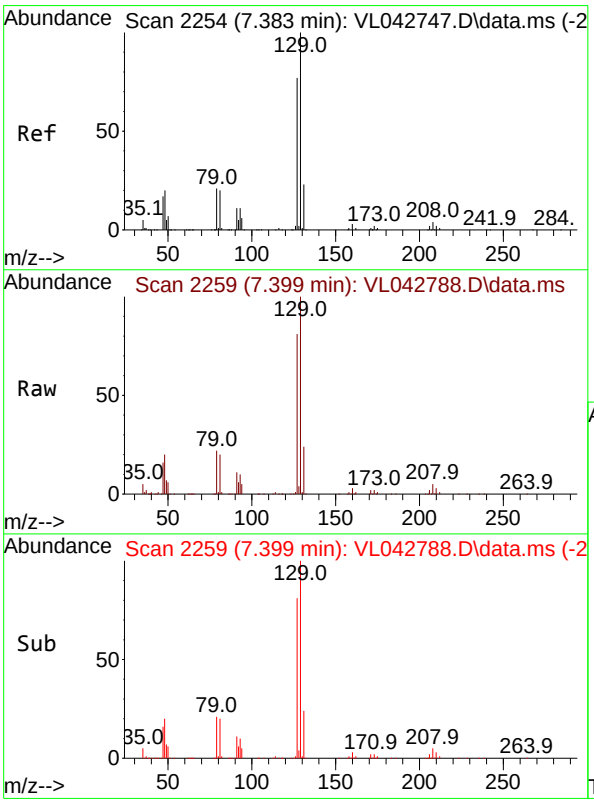
#47
1,1,2-Trichloroethane
Concen: 10.618 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 155145

Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.1	106.7
85	50.8	43.0	64.4
99	64.5	47.0	70.6

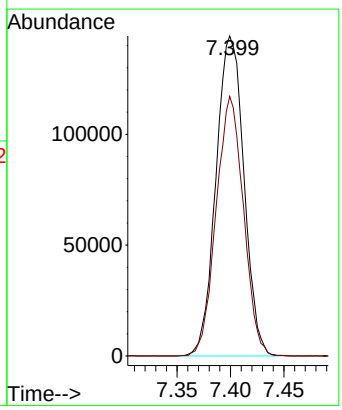


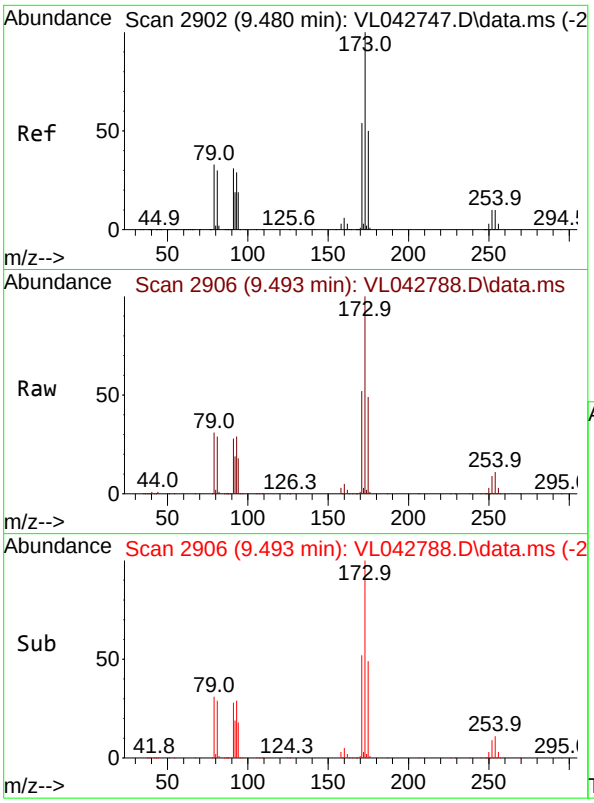


#48
Dibromochloromethane
Concen: 11.346 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:129 Resp: 263177

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.7	116.1



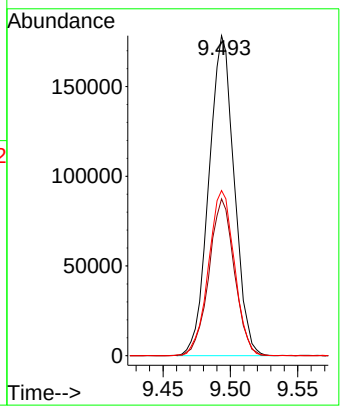


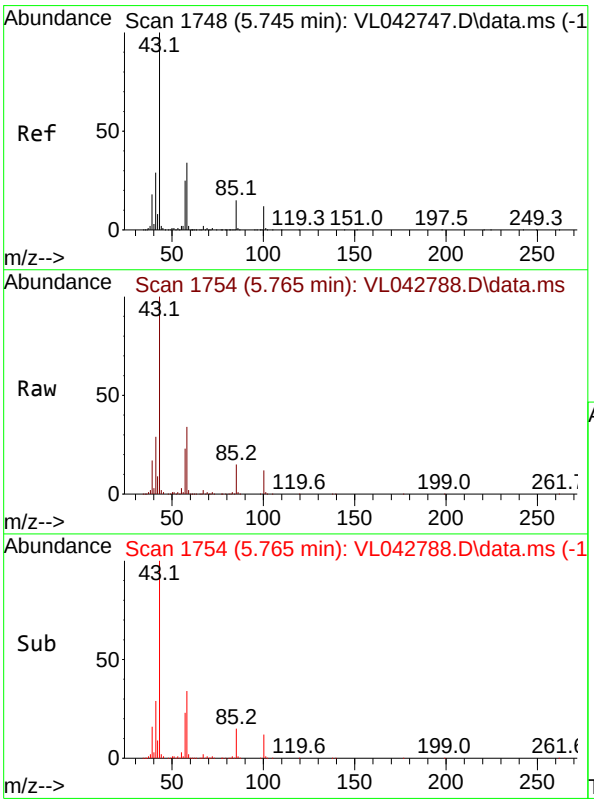
#49
Bromoform
Concen: 11.551 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 233626

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.4	57.6
171	52.8	40.9	61.3

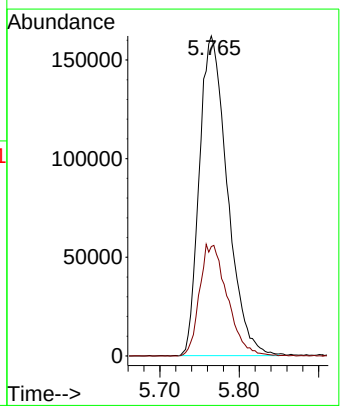


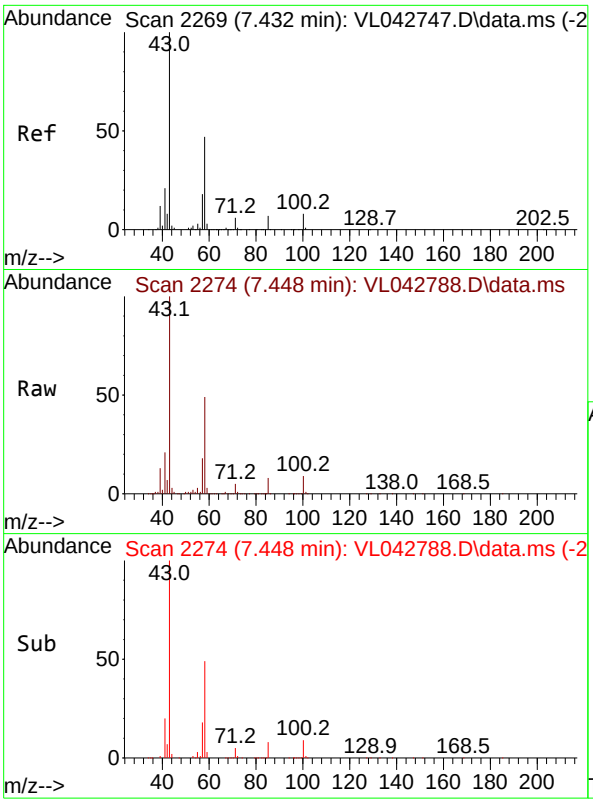


#50
4-Methyl-2-Pentanone
Concen: 11.101 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.019 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 43 Resp: 396864

Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.8



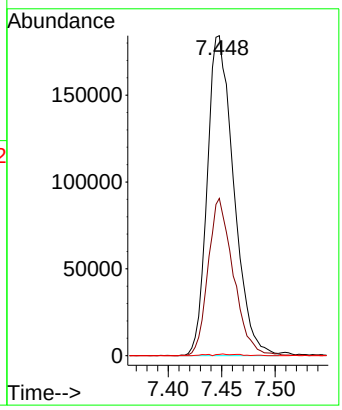


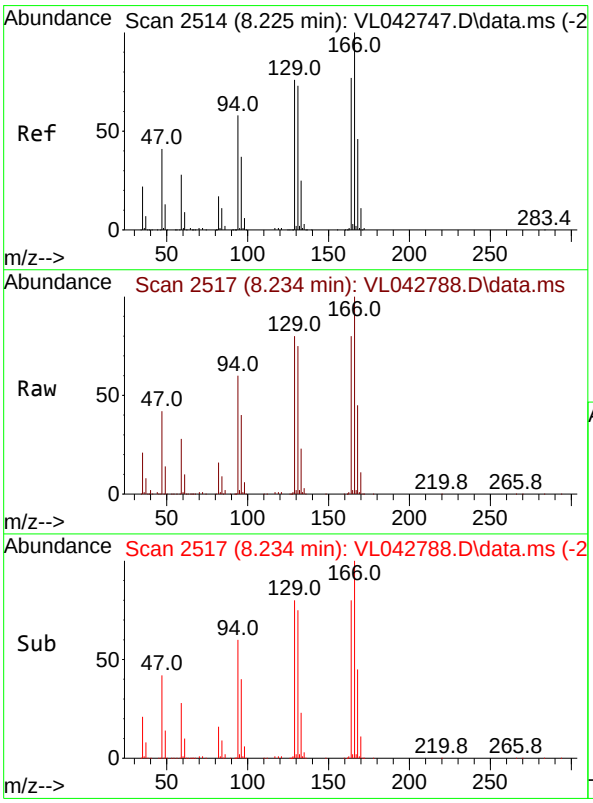
#51
2-Hexanone
Concen: 11.778 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 318210

Ion	Ratio	Lower	Upper
43	100		
58	46.9	38.0	57.0
98	0.6	0.2	0.4#

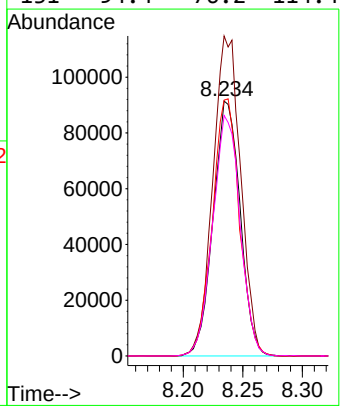


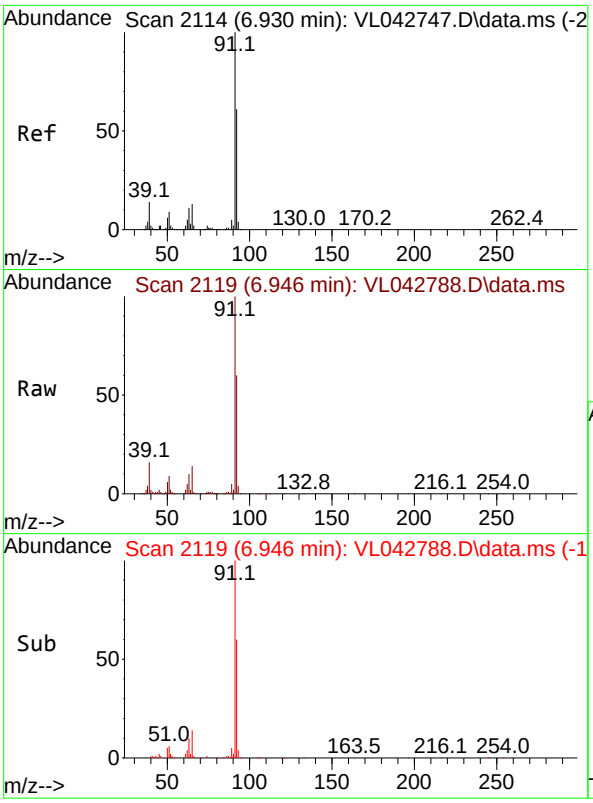


#52
Tetrachloroethene
Concen: 9.319 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:164 Resp: 143437

Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.0	156.0
129	100.3	79.2	118.8
131	94.4	76.2	114.4



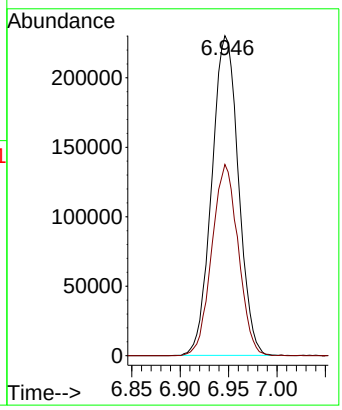


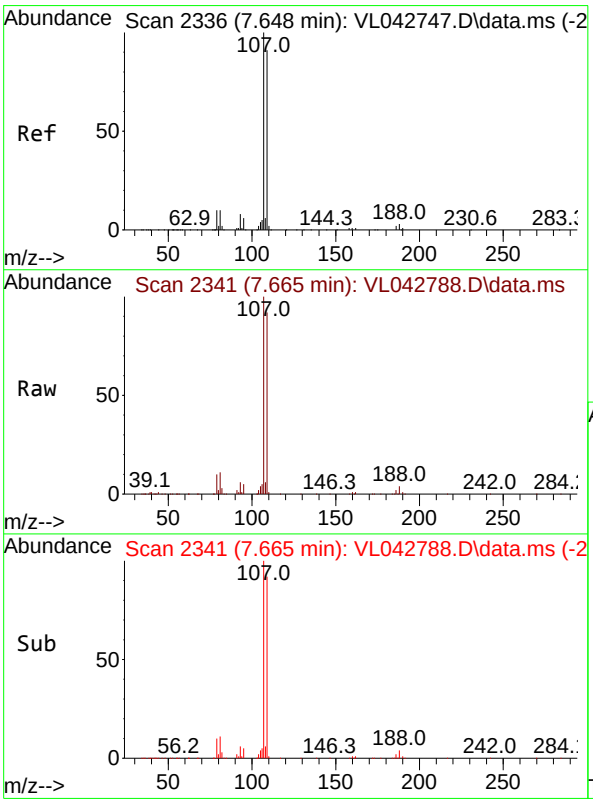
#53
Toluene
Concen: 11.044 ppbv
RT: 6.946 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 440370

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0

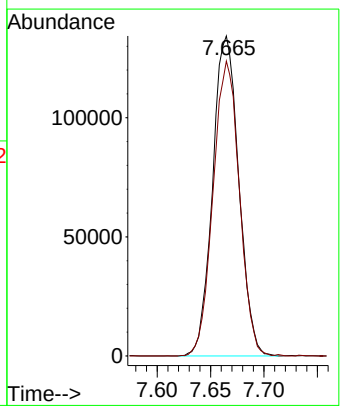


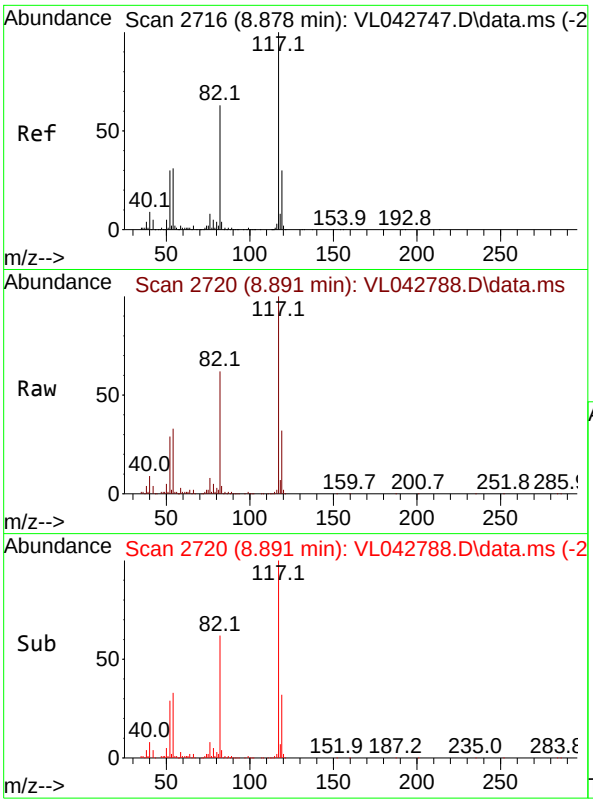


#54
1,2-Dibromoethane
Concen: 11.078 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:107 Resp: 228691

Ion	Ratio	Lower	Upper
107	100		
109	92.2	72.7	109.1



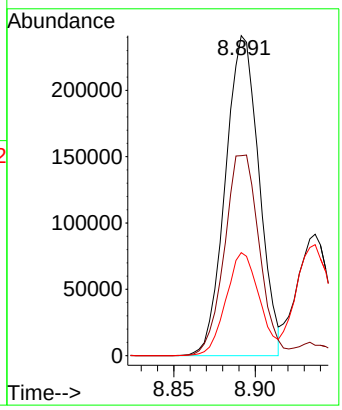


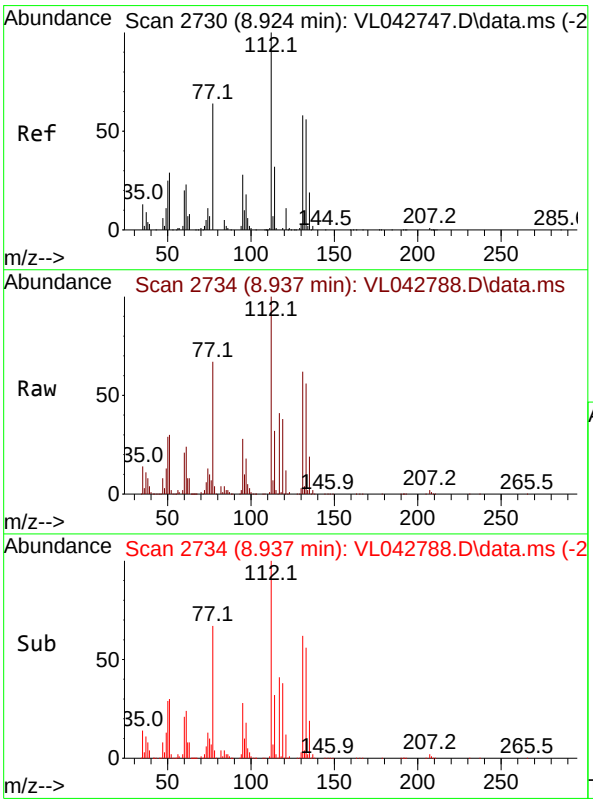
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 345903

Ion	Ratio	Lower	Upper
117	100		
82	68.7	53.3	79.9
119	31.5	25.8	38.6

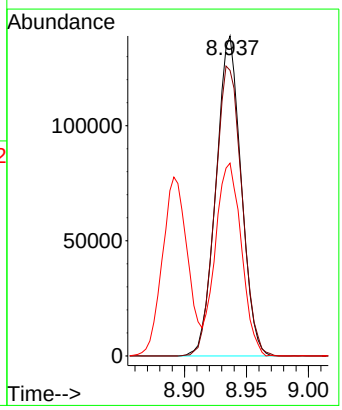


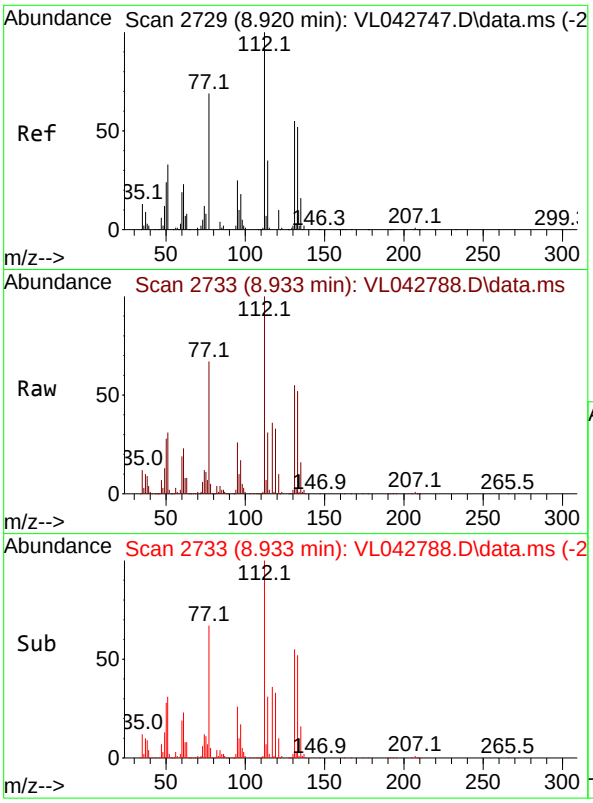


#56
1,1,1,2-Tetrachloroethane
Concen: 10.944 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:131 Resp: 196819

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.8	115.2
119	63.5	49.7	74.5



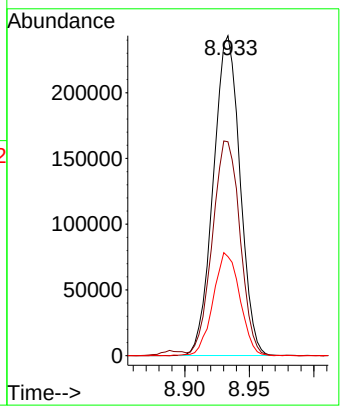


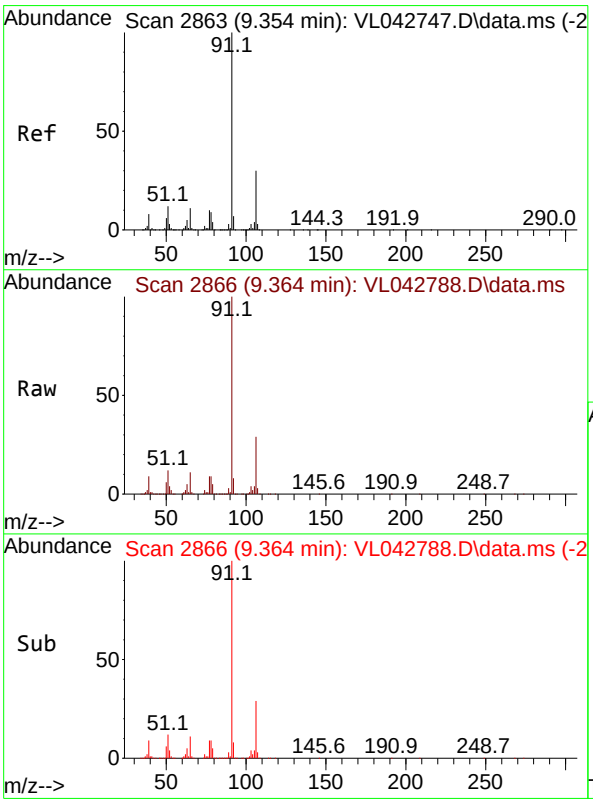
#57
Chlorobenzene
Concen: 10.455 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 349998

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.4	84.6
114	30.9	31.2	38.2#

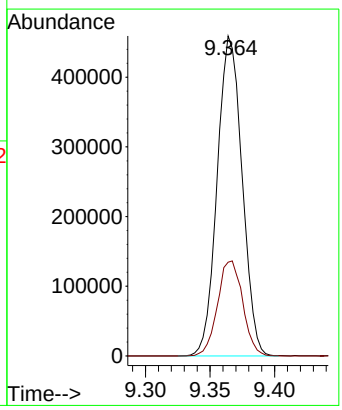


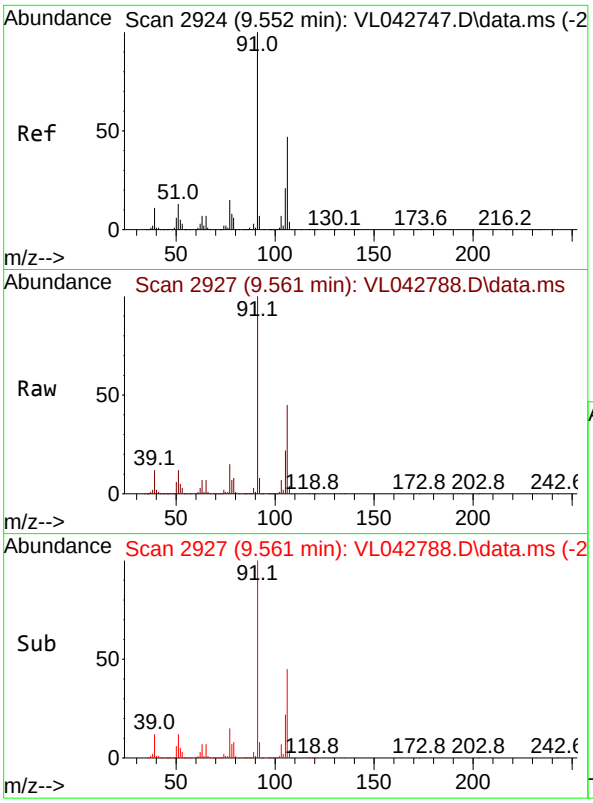


#58
Ethyl Benzene
Concen: 11.272 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 615736

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.8	35.6



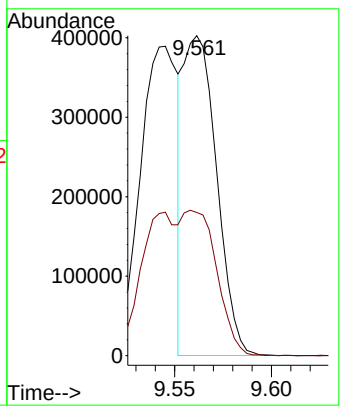


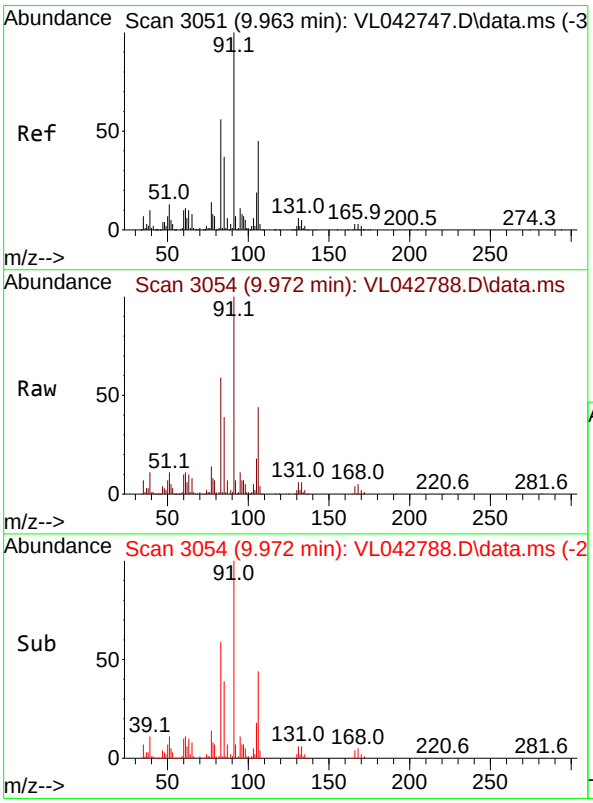
#59
m/p-Xylene
Concen: 10.957 ppbv
RT: 9.561 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 478347

Ion	Ratio	Lower	Upper
91	100		
106	97.3	37.4	56.2#

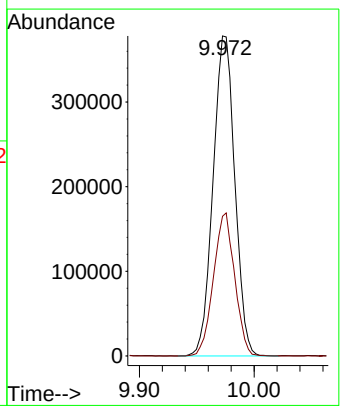


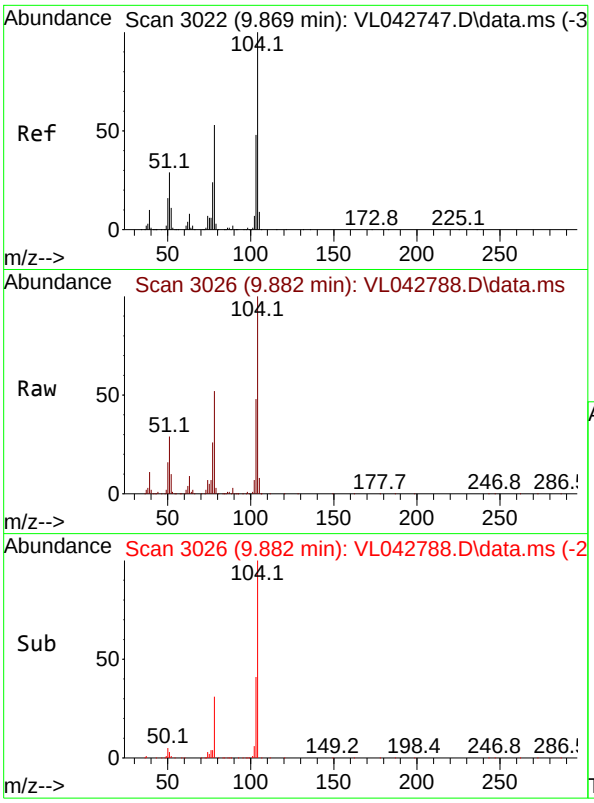


#60
o-Xylene
Concen: 11.414 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 497901

Ion	Ratio	Lower	Upper
91	100		
106	43.7	22.0	66.0



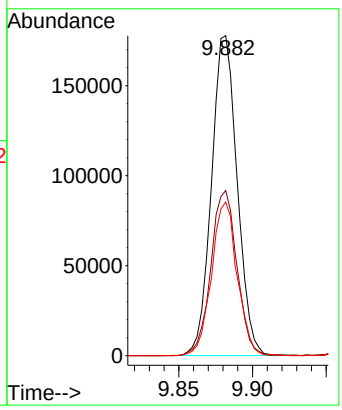


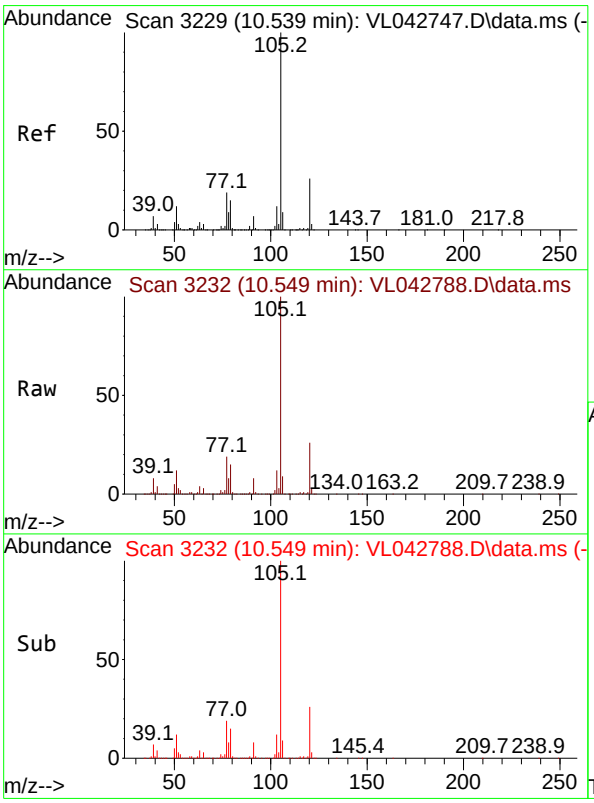
#61
Styrene
Concen: 11.742 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 215469

Ion	Ratio	Lower	Upper
104	100		
78	52.5	41.5	62.3
103	47.9	37.5	56.3

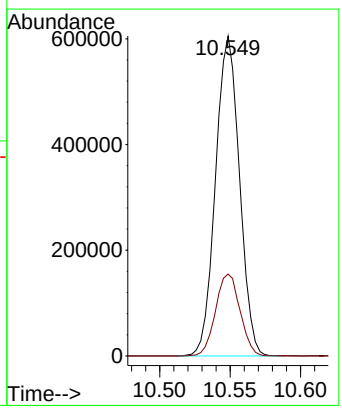


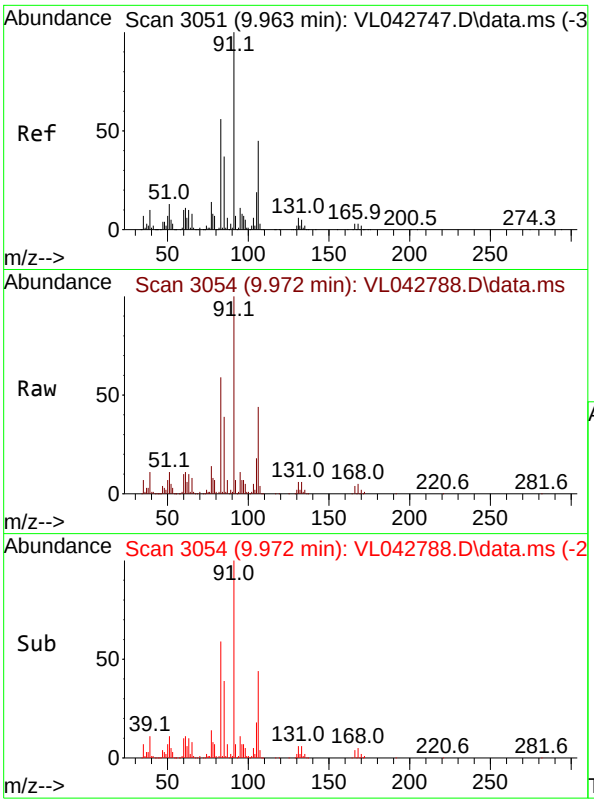


#62
Isopropylbenzene
Concen: 11.132 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 716277

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7



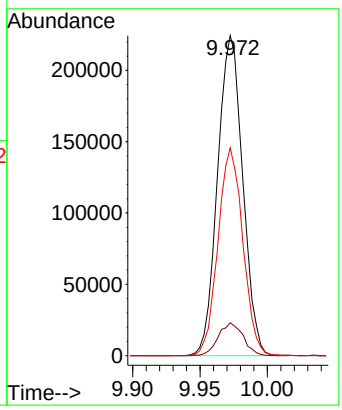


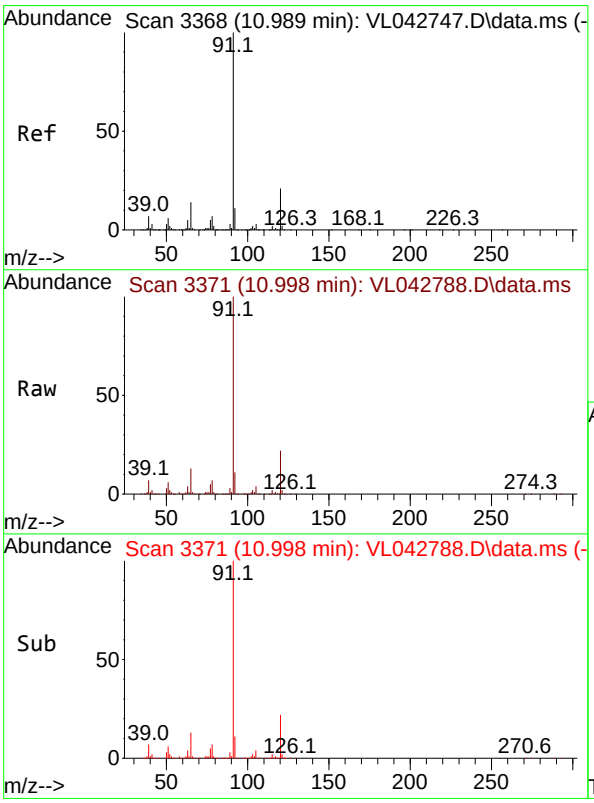
#63
1,1,2,2-Tetrachloroethane
Concen: 10.413 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 291626

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.1	32.6	97.7

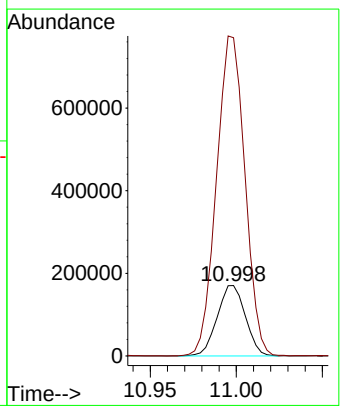


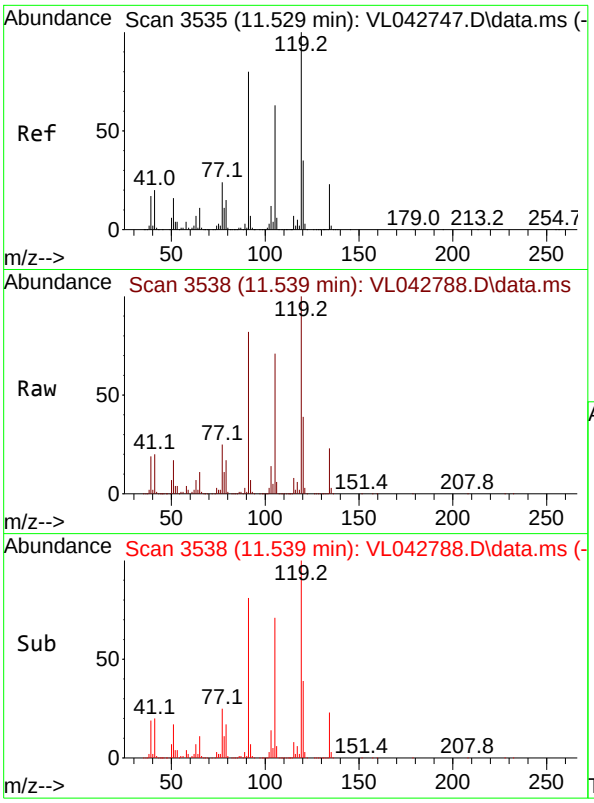


#64
n-propylbenzene
Concen: 11.563 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:120 Resp: 193965

Ion	Ratio	Lower	Upper
120	100		
91	459.7	372.7	559.1



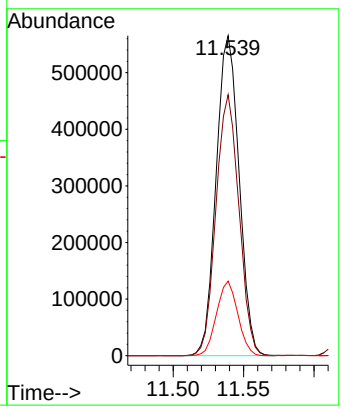


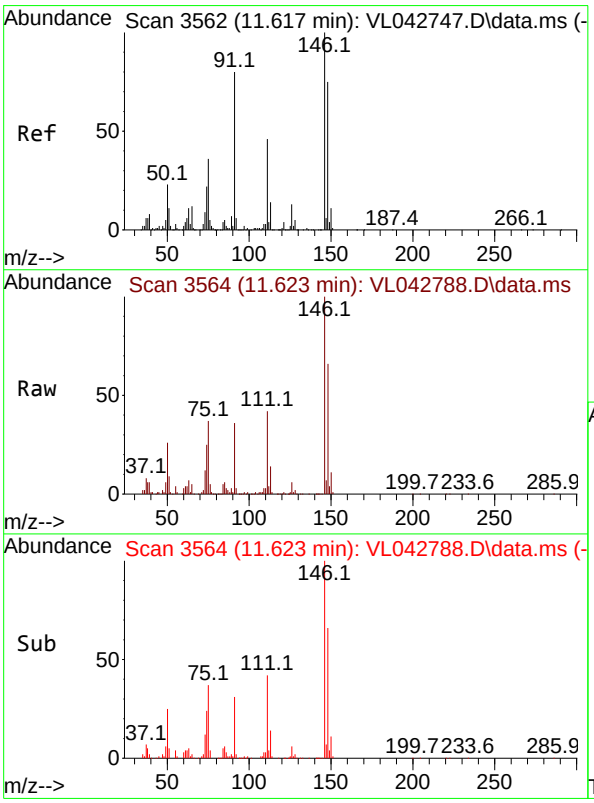
#65
tert-Butylbenzene
Concen: 11.215 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 641028

Ion	Ratio	Lower	Upper
119	100		
91	81.6	64.0	96.0
134	21.6	17.3	25.9

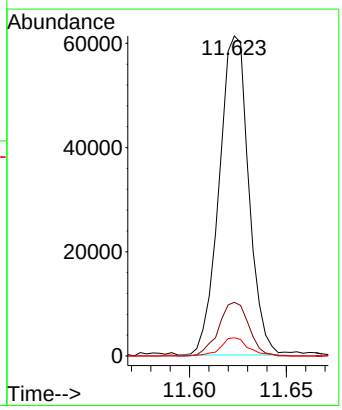


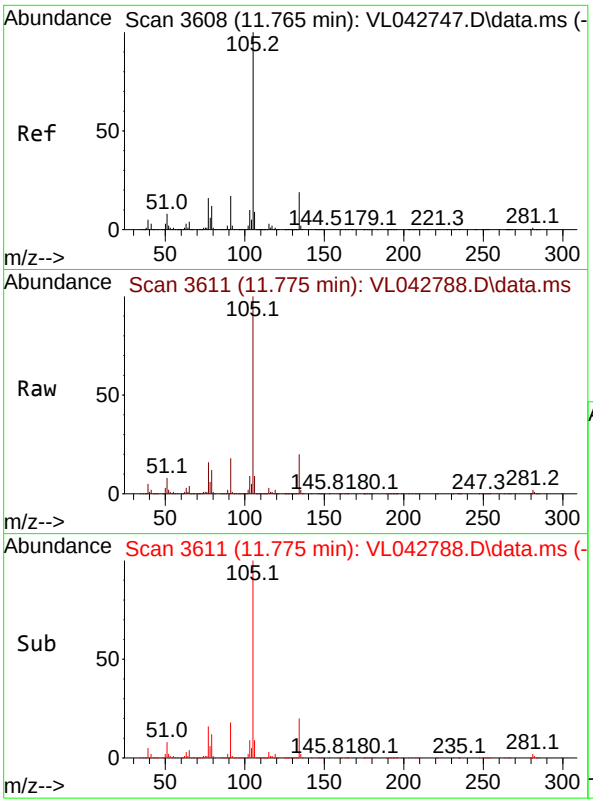


#66
Benzyl Chloride
Concen: 13.854 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 65004

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.4	21.6
128	5.4	5.2	7.8



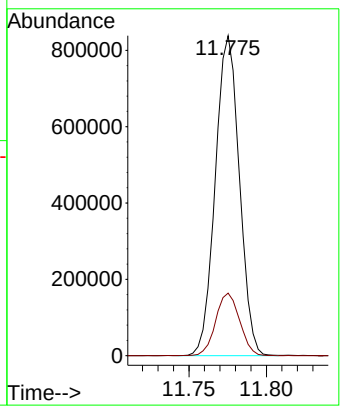


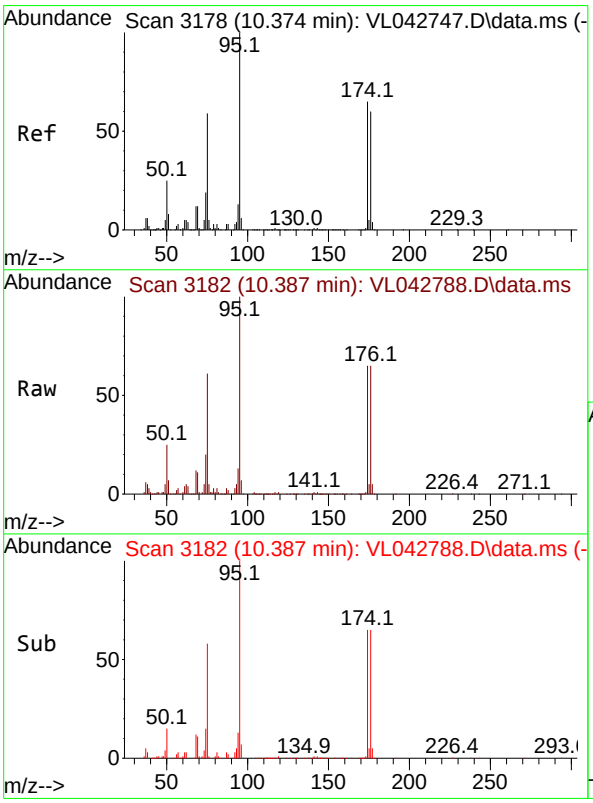
#67
sec-Butylbenzene
Concen: 11.144 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 905933

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3

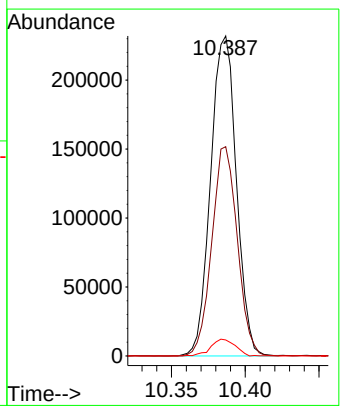


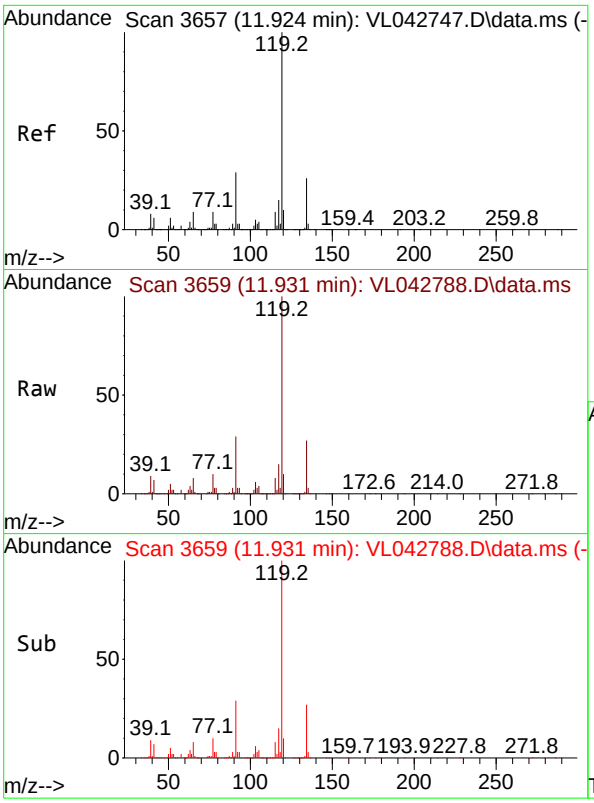


#68
1-Bromo-4-Fluorobenzene
Concen: 10.295 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 95 Resp: 282020

Ion	Ratio	Lower	Upper
95	100		
174	65.0	53.8	80.6
175	5.0	4.0	6.0



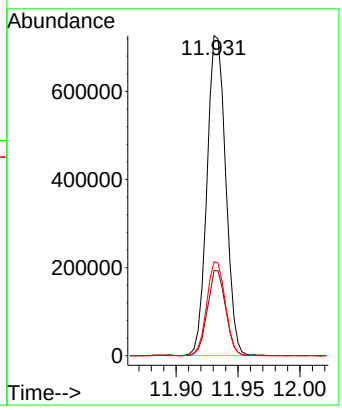


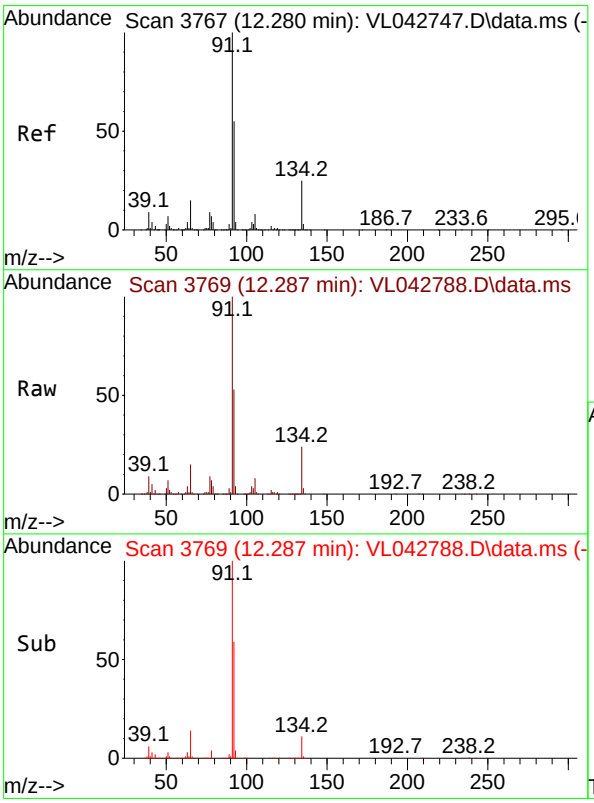
#69
p-Isopropyltoluene
Concen: 11.517 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 763427

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.4	23.2	34.8

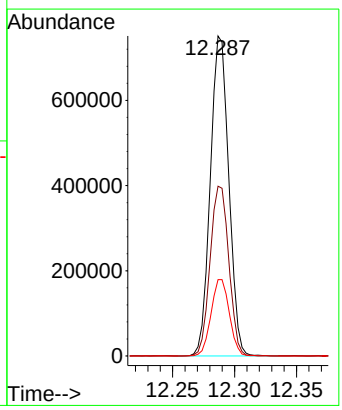


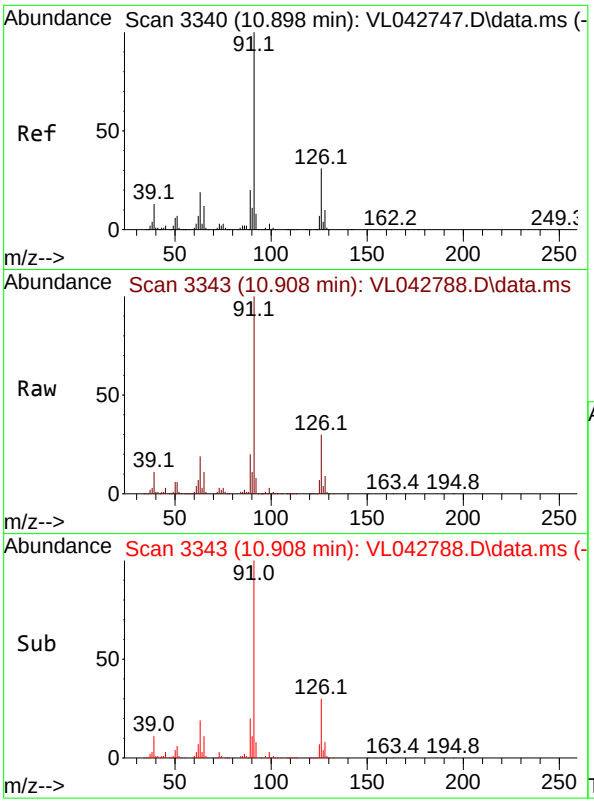


#70
n-Butylbenzene
Concen: 12.171 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 91 Resp: 779301

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	23.7	19.6	29.4



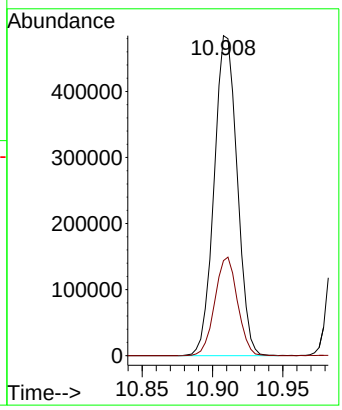


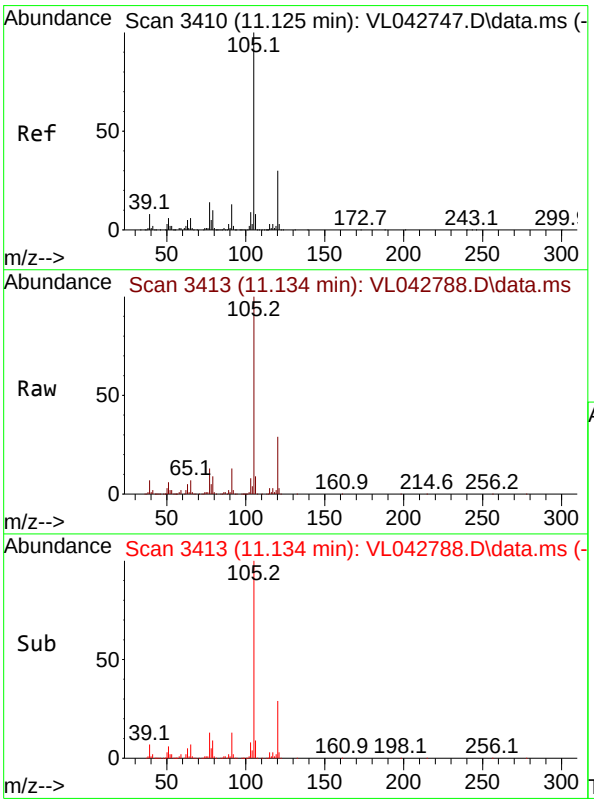
#71
2-Chlorotoluene
Concen: 11.203 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 552725

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.0	48.2

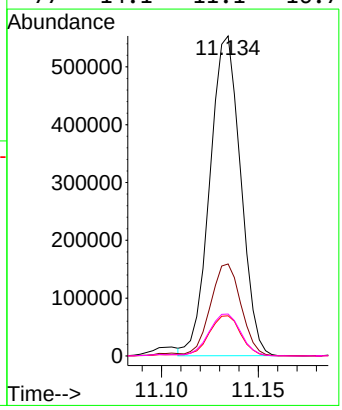


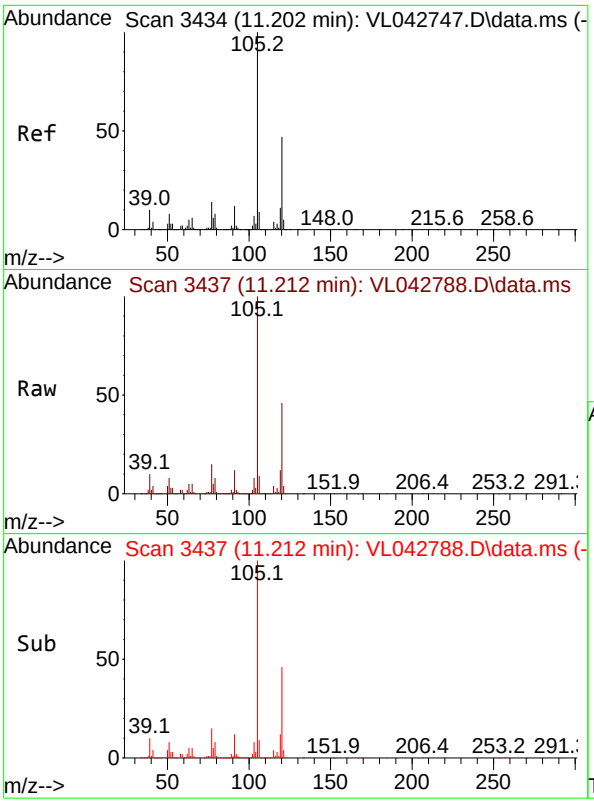


#72
4-Ethyltoluene
Concen: 11.745 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 611893

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.4	36.6
91	13.1	10.6	15.8
77	14.1	11.1	16.7



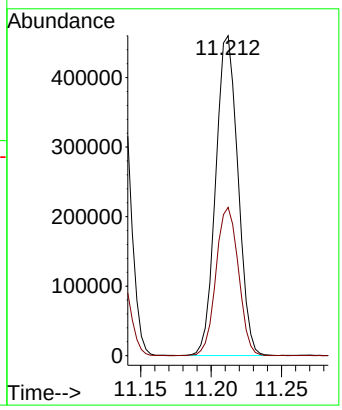


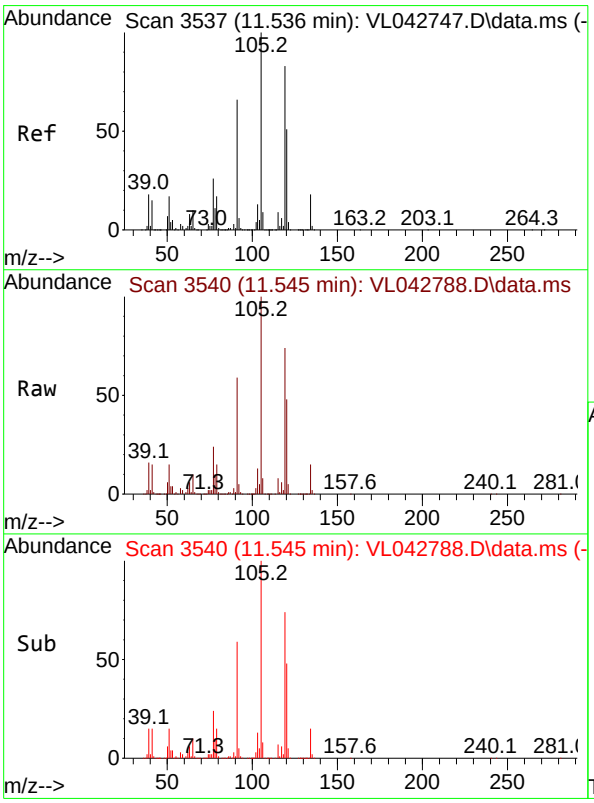
#73
1,3,5-Trimethylbenzene
Concen: 11.791 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 505734

Ion	Ratio	Lower	Upper
105	100		
120	46.3	37.8	56.8

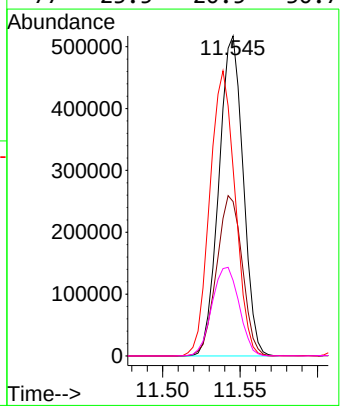


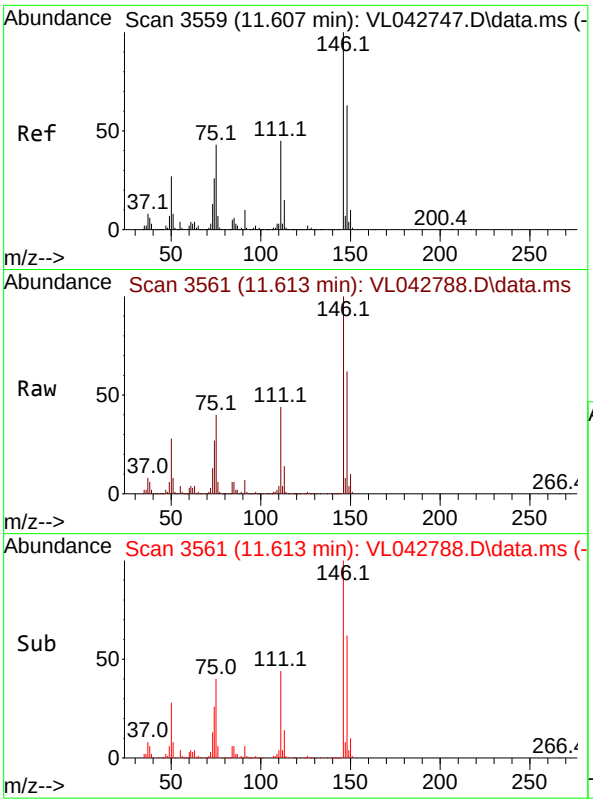


#74
1,2,4-Trimethylbenzene
Concen: 12.030 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 562952

Ion	Ratio	Lower	Upper
105	100		
120	48.3	40.8	61.2
91	58.6	53.0	79.4
77	23.5	20.5	30.7



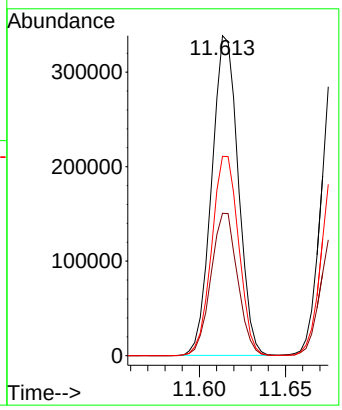


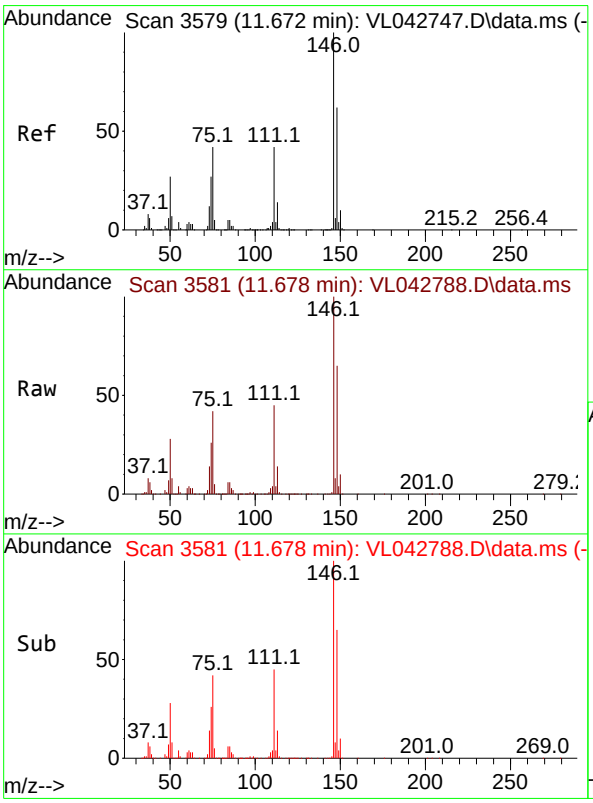
#75
1,3-Dichlorobenzene
Concen: 11.049 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 362463

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	63.6	31.9	95.5

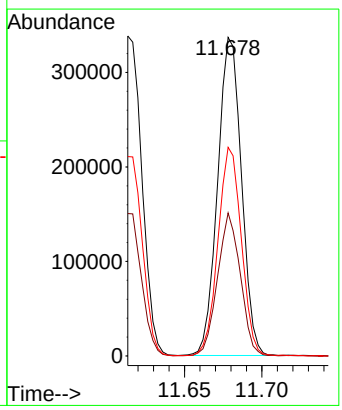


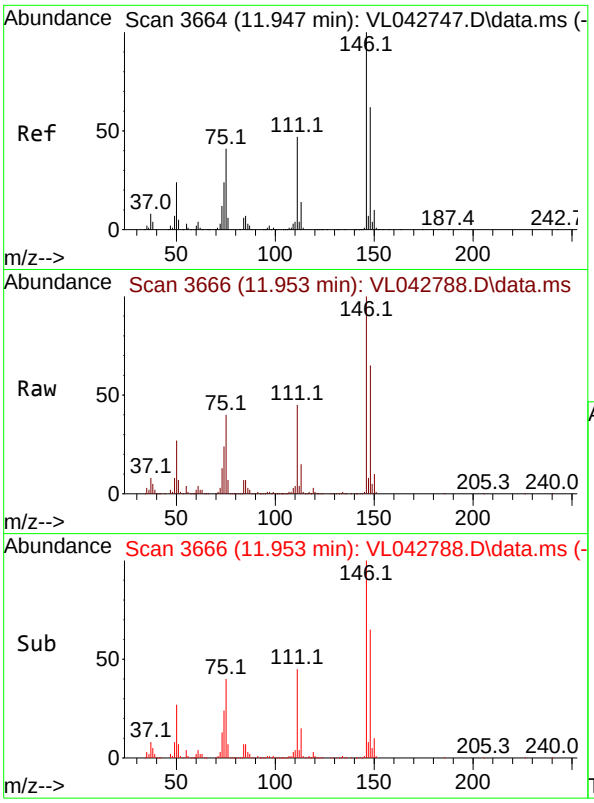


#76
1,4-Dichlorobenzene
Concen: 11.209 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:146 Resp: 359833

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.2
148	64.8	32.1	96.3



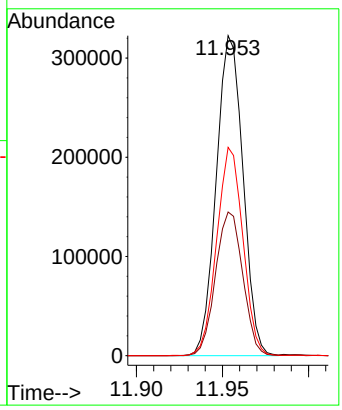


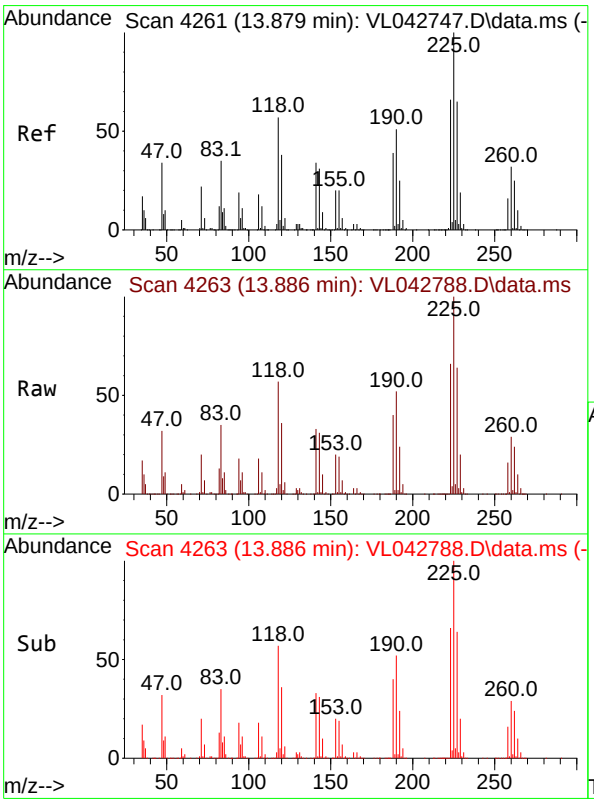
#77
1,2-Dichlorobenzene
Concen: 10.812 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 348624

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.1	32.6	97.7

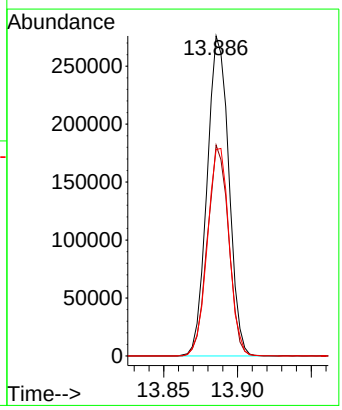


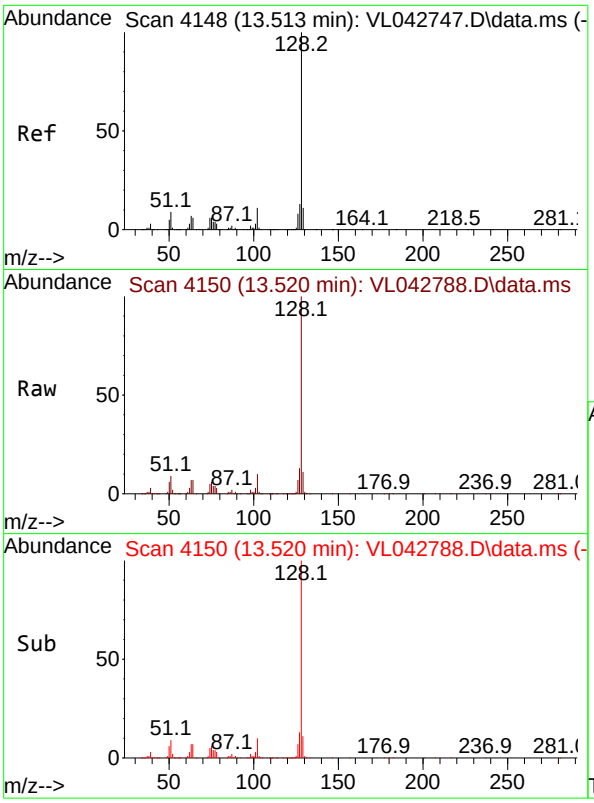


#78
Hexachloro-1,3-Butadiene
Concen: 9.673 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:225 Resp: 282288

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	65.1	50.5	75.7



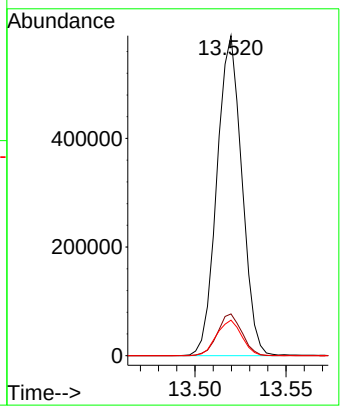


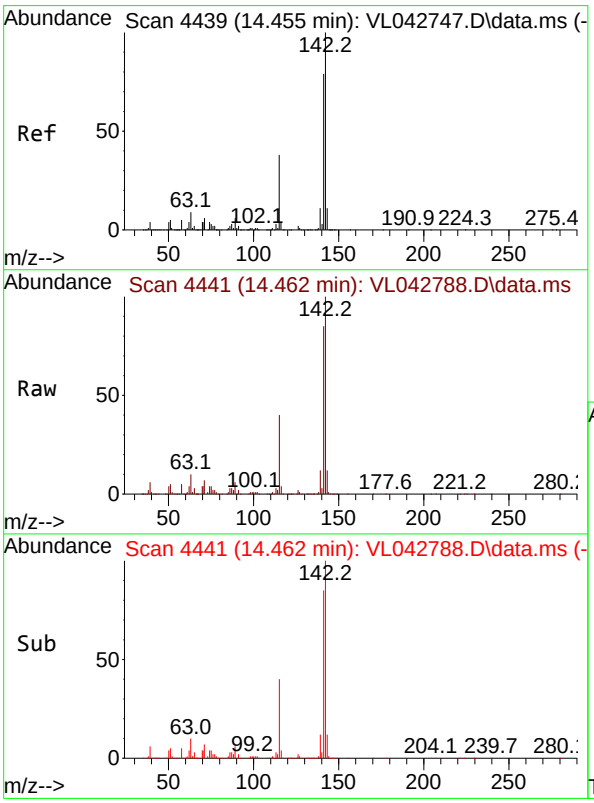
#79
Naphthalene
Concen: 11.014 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 561584

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.6	13.0

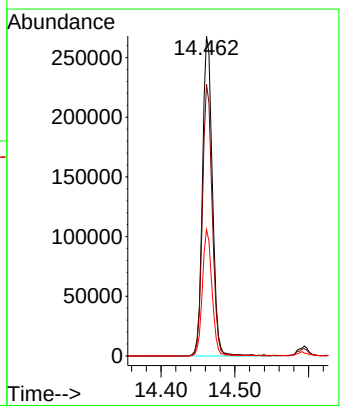


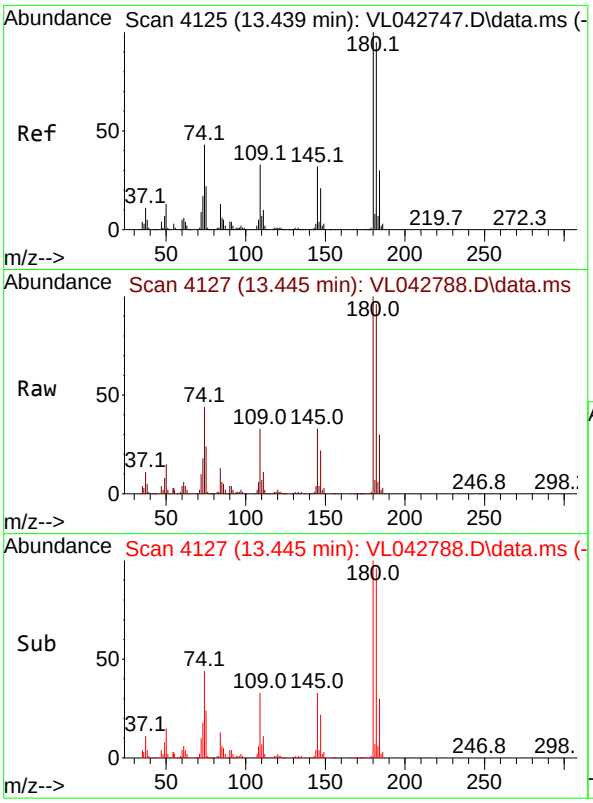


#80
Naphthalene,2-methyl-
Concen: 9.837 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:142 Resp: 249243

Ion	Ratio	Lower	Upper
142	100		
141	83.7	65.8	98.8
115	38.5	31.2	46.8



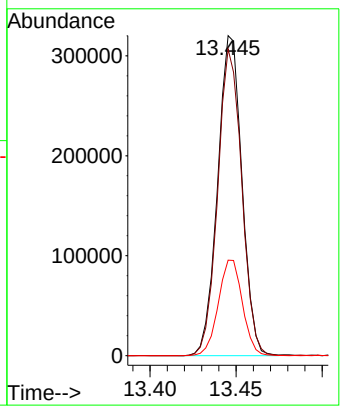


#81
1,2,4-Trichlorobenzene
Concen: 10.987 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 314832

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	29.7	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.794	49	140975	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	391458	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.892	117	349880	10.000	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.384	95	284130	10.254	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	179092	9.608	ppbv		98
3) Chlorodifluoromethane	1.476	51	243995	10.049	ppbv		99
4) Chloromethane	1.535	50	73605	9.761	ppbv		95
5) Vinyl Chloride	1.583	62	63029	8.460	ppbv		92
6) Bromomethane	1.671	94	25942	9.007	ppbv		99
7) Chloroethane	1.706	64	25445	8.839	ppbv		94
8) Dichlorotetrafluoroethane	1.557	85	144815	9.447	ppbv		98
9) Propene	1.486	41	87288	9.891	ppbv		100
10) Heptane	4.991	43	255178	10.724	ppbv		98
11) Trichlorofluoromethane	1.881	101	178945	9.314	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.143	101	137912	9.446	ppbv		99
13) Ethanol	1.722	45	6331	8.701	ppbv		97
14) Bromoethene	1.784	108	49330	9.543	ppbv		99
15) Acetone	1.839	43	147760	7.590	ppbv		99
16) 1,3-Butadiene	1.612	39	74826	9.012	ppbv		98
17) tert-Butyl alcohol	2.043	59	157784	8.987	ppbv		100
18) 1,1-Dichloroethene	2.036	96	59478	9.016	ppbv		96
19) Isopropyl Alcohol	1.887	45	91274	8.823	ppbv		94
20) Methylene Chloride	2.065	84	51356	8.372	ppbv		94
21) Allyl Chloride	2.098	41	117287	9.776	ppbv		98
22) trans-1,2-Dichloroethene	2.344	96	67541	9.517	ppbv		98
23) Vinyl Acetate	2.467	43	270452	11.460	ppbv		98
24) 1,1-Dichloroethane	2.412	63	137263	9.423	ppbv		98
25) Ethyl Acetate	2.839	43	453552	10.526	ppbv		99
26) Hexane	2.829	57	195021	10.318	ppbv		98
27) Carbon Disulfide	2.153	76	165318	10.216	ppbv		96
28) Methyl tert-Butyl Ether	2.444	73	86612	9.699	ppbv		97
29) Chloroform	2.852	83	300921	10.303	ppbv		97
30) Cyclohexane	3.865	84	165101	10.299	ppbv		97
31) cis-1,2-Dichloroethene	2.726	61	194661	10.022	ppbv		97
32) 1,1,1-Trichloroethane	3.376	97	293497	9.647	ppbv		98
34) 2-Butanone	2.561	43	298296	10.758	ppbv		100
35) Carbon Tetrachloride	3.771	117	312530	10.748	ppbv		99
36) Benzene	3.664	78	390877	10.536	ppbv		99
37) 1,2-Dichloroethane	3.224	62	236656	10.589	ppbv		99
38) Trichloroethene	4.558	130	174246	9.776	ppbv		97
39) 1,2-Dichloropropane	4.321	63	144288	10.536	ppbv		98
40) 1,4-Dioxane	4.590	88	54856	8.594	ppbv	#	89
41) Tetrahydrofuran	3.059	42	161537	11.448	ppbv		98
42) Bromodichloromethane	4.496	83	321891	11.059	ppbv	#	99
43) Methyl Methacrylate	4.888	69	151803	11.512	ppbv		98
44) 2,2,4-Trimethylpentane	4.648	57	672509	11.121	ppbv		100
45) t-1,3-Dichloropropene	6.425	75	165606	11.199	ppbv		90

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

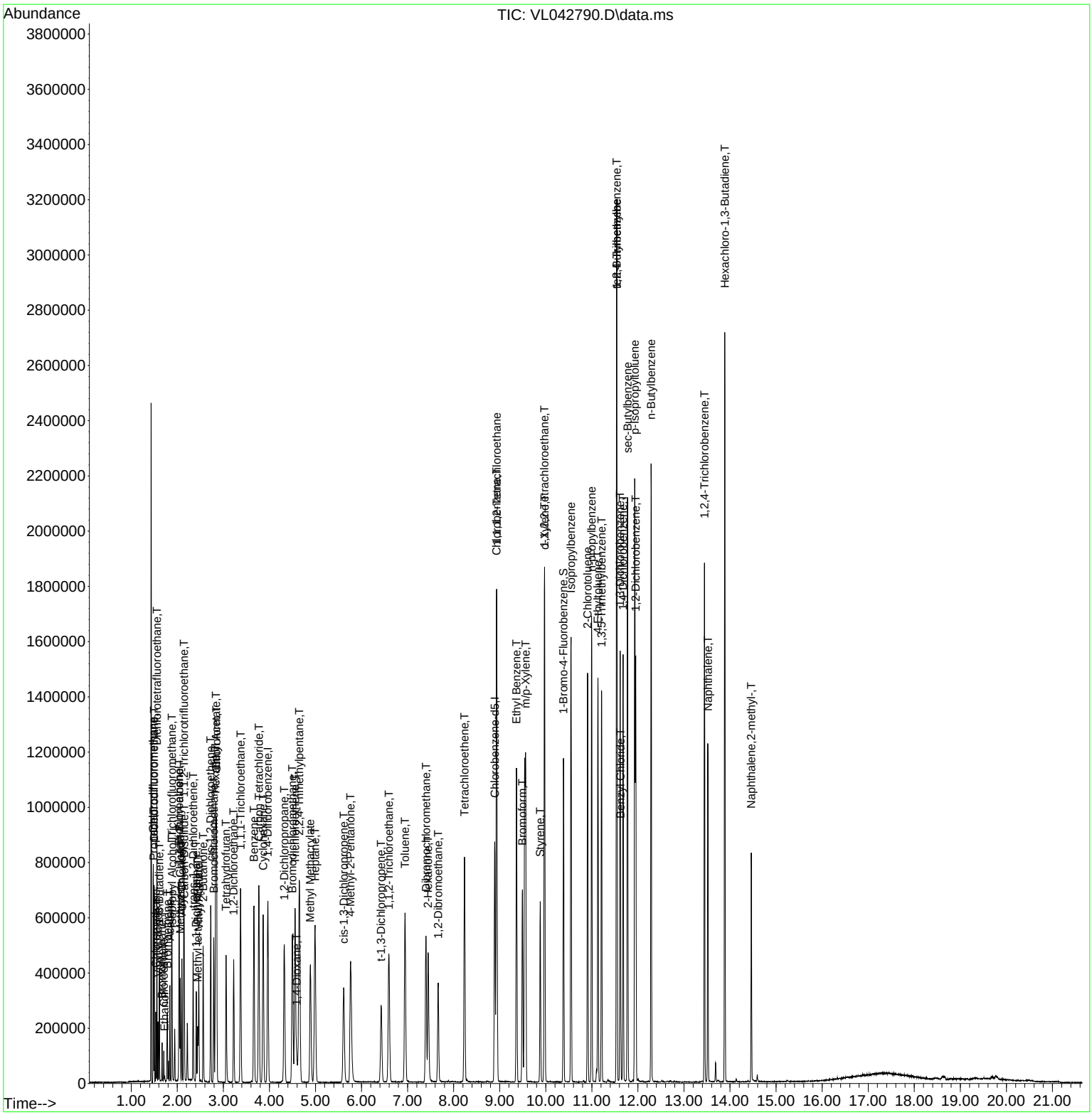
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	208804	11.143	ppbv		97
47) 1,1,2-Trichloroethane	6.594	97	154552	10.587	ppbv		97
48) Dibromochloromethane	7.399	129	261380	11.278	ppbv		99
49) Bromoform	9.494	173	231022	11.433	ppbv		99
50) 4-Methyl-2-Pentanone	5.762	43	402543	11.270	ppbv		99
51) 2-Hexanone	7.445	43	321076	11.895	ppbv	#	99
52) Tetrachloroethene	8.238	164	145761	9.479	ppbv		96
53) Toluene	6.943	91	439867	11.041	ppbv		100
54) 1,2-Dibromoethane	7.665	107	225399	10.928	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.934	131	198394	10.906	ppbv		100
57) Chlorobenzene	8.930	112	351678	10.386	ppbv	#	96
58) Ethyl Benzene	9.364	91	614495	11.121	ppbv		99
59) m/p-Xylene	9.562	91	464380	10.516	ppbv	#	30
60) o-Xylene	9.976	91	493686	11.188	ppbv		99
61) Styrene	9.879	104	211712	11.406	ppbv		99
62) Isopropylbenzene	10.549	105	716413	11.007	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.969	83	288264	10.176	ppbv		98
64) n-propylbenzene	10.995	120	190663	11.237	ppbv		100
65) tert-Butylbenzene	11.539	119	654563	11.322	ppbv		99
66) Benzyl Chloride	11.623	91	63429	13.365	ppbv		98
67) sec-Butylbenzene	11.775	105	909814	11.065	ppbv		99
69) p-Isopropyltoluene	11.931	119	774561	11.553	ppbv		100
70) n-Butylbenzene	12.287	91	785569	12.130	ppbv		99
71) 2-Chlorotoluene	10.908	91	556610	11.153	ppbv		99
72) 4-Ethyltoluene	11.131	105	618091	11.729	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	515043	11.871	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	570715	12.057	ppbv		93
75) 1,3-Dichlorobenzene	11.614	146	360095	10.852	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	366048	11.273	ppbv		98
77) 1,2-Dichlorobenzene	11.953	146	351242	10.770	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	281564	9.538	ppbv		99
79) Naphthalene	13.520	128	540121	10.494	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	221690	8.786	ppbv		100
81) 1,2,4-Trichlorobenzene	13.446	180	305698	10.565	ppbv		100

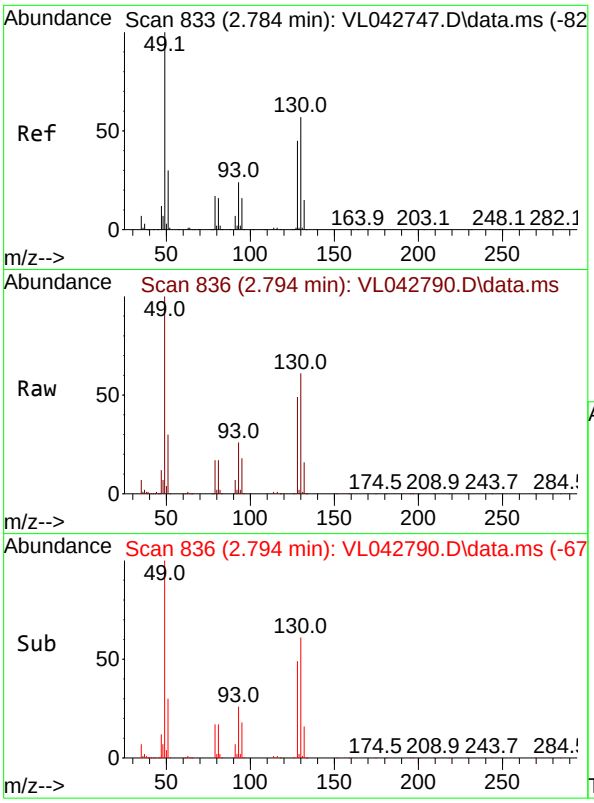
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042790.D
Acq On : 31 Jul 2025 10:15
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Quant Time: Aug 01 01:13:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



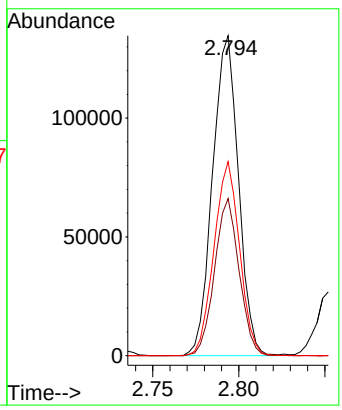


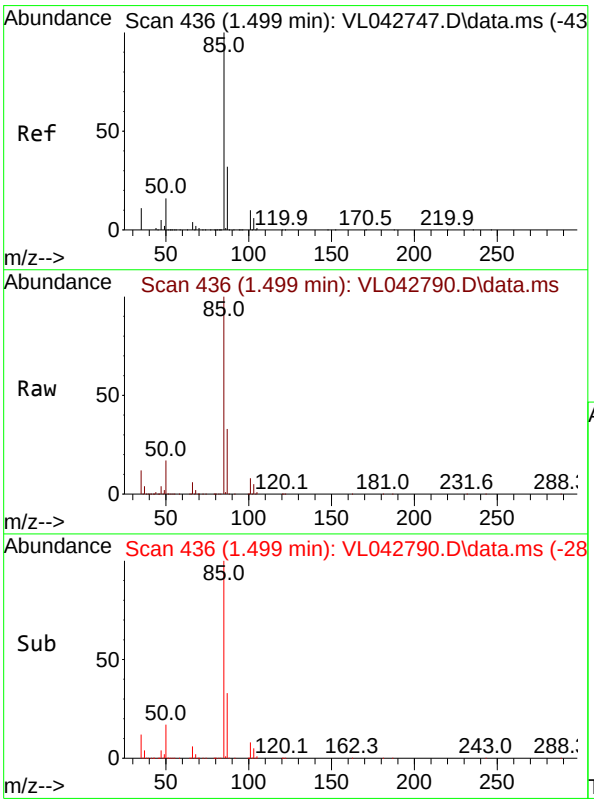
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 49 Resp: 140975

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.6	71.0
130	59.8	30.3	90.8

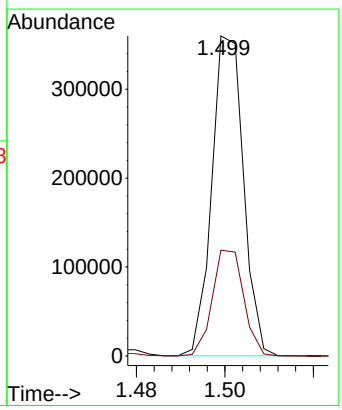


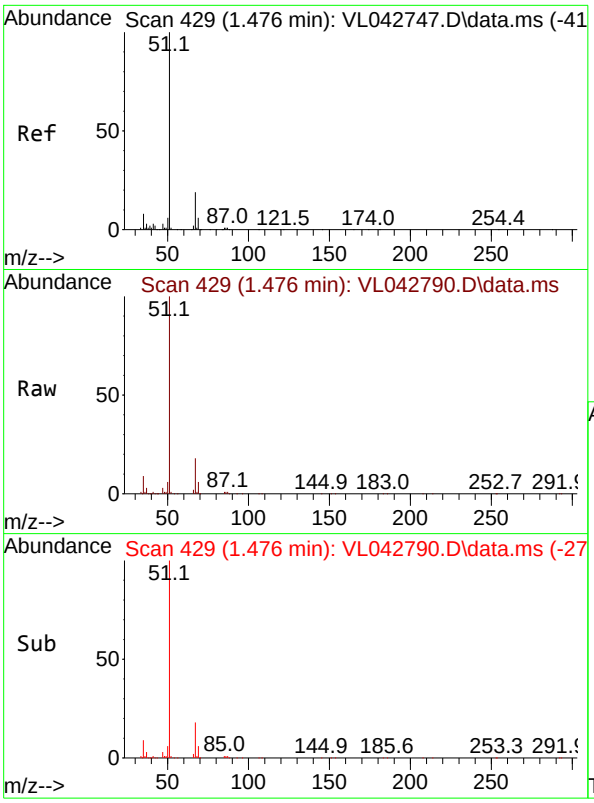


#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 179092

Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.4	38.2



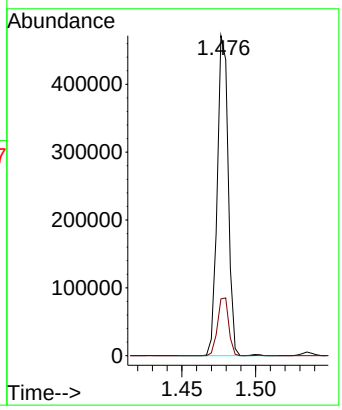


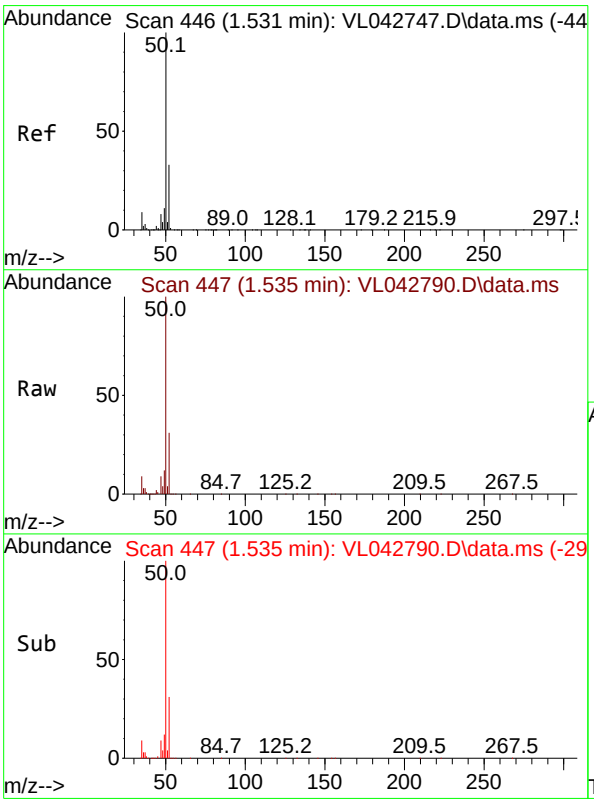
#3
Chlorodifluoromethane
Concen: 10.049 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 51 Resp: 243995

Ion	Ratio	Lower	Upper
51	100		
67	18.6	15.0	22.6

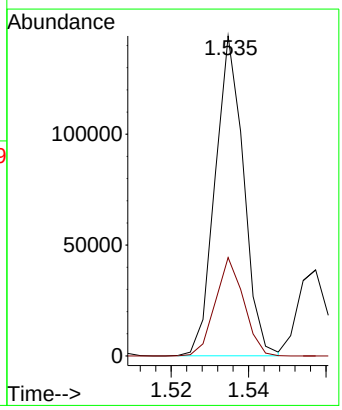


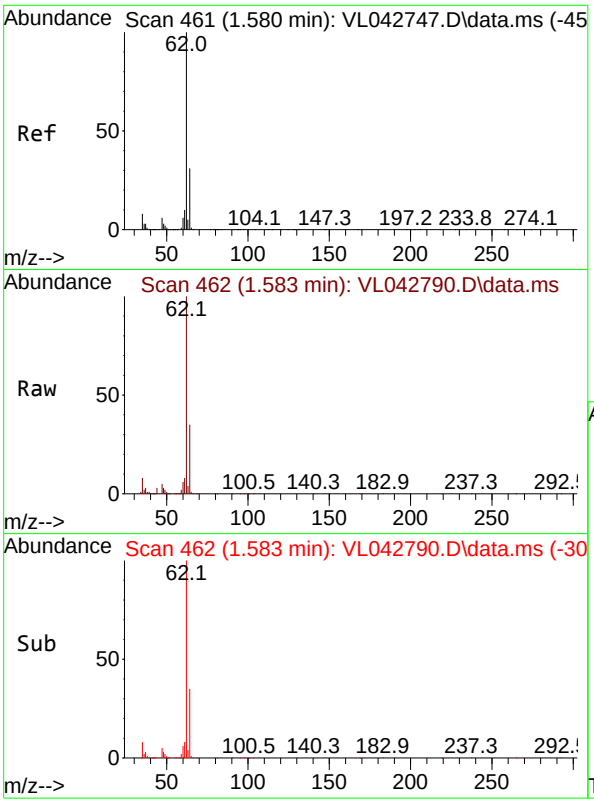


#4
Chloromethane
Concen: 9.761 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 50 Resp: 73605

Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.6	40.0



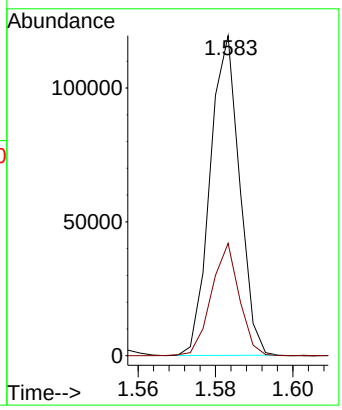


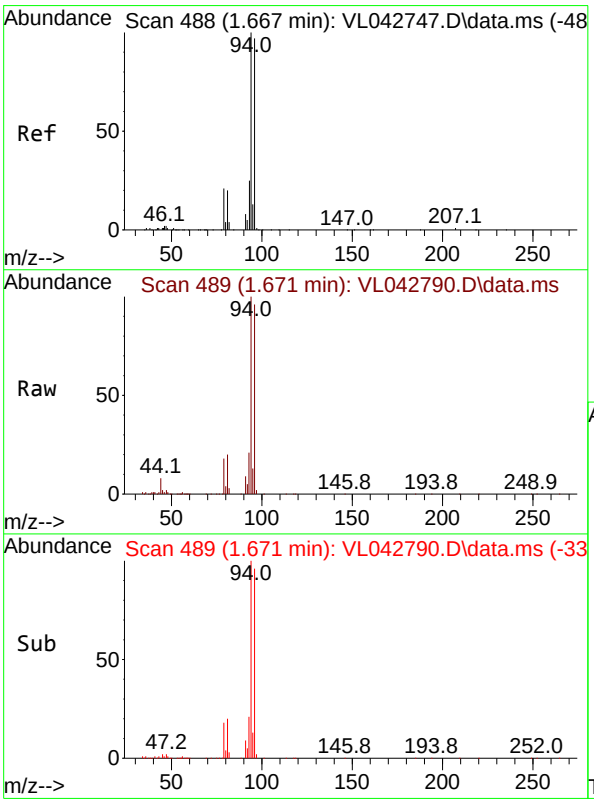
#5
Vinyl Chloride
Concen: 8.460 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 62 Resp: 63029

Ion	Ratio	Lower	Upper
62	100		
64	35.1	24.5	36.7

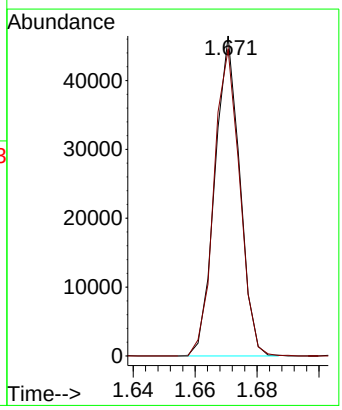


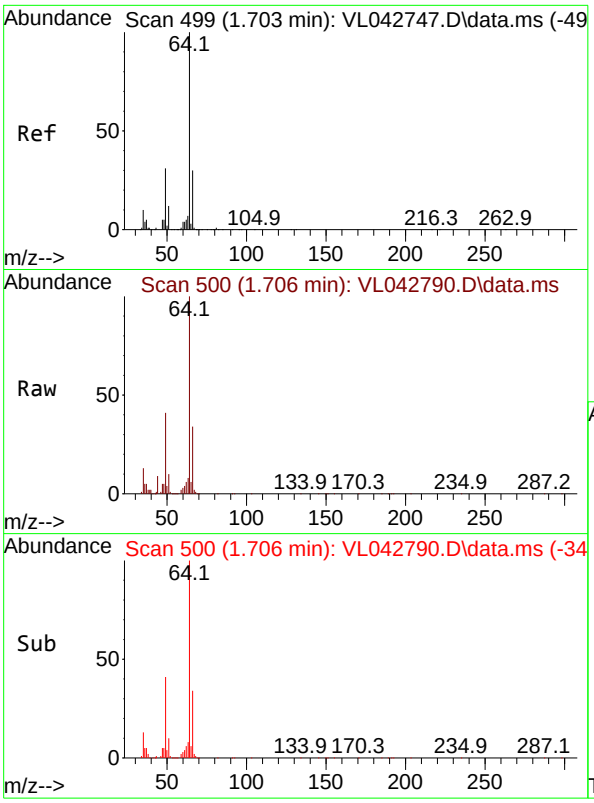


#6
Bromomethane
Concen: 9.007 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 94 Resp: 25942

Ion	Ratio	Lower	Upper
94	100		
96	95.9	77.6	116.4



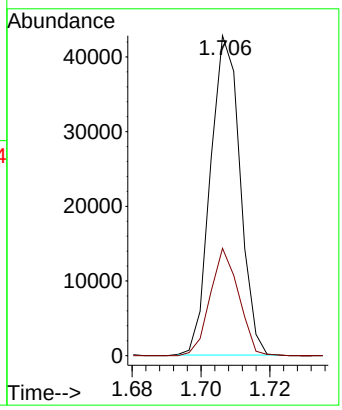


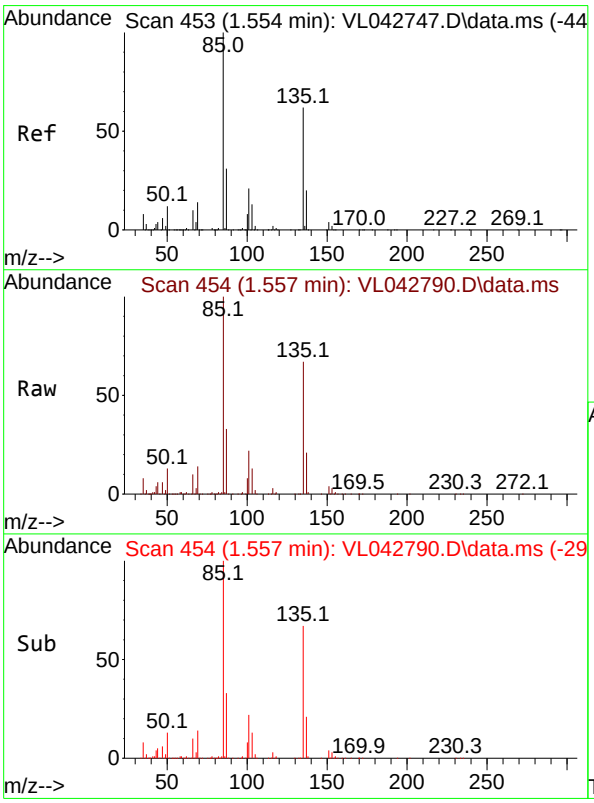
#7
Chloroethane
Concen: 8.839 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 64 Resp: 25445

Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.1	36.1

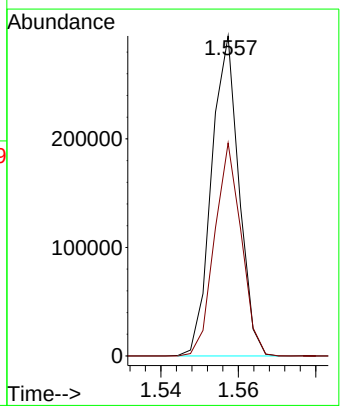


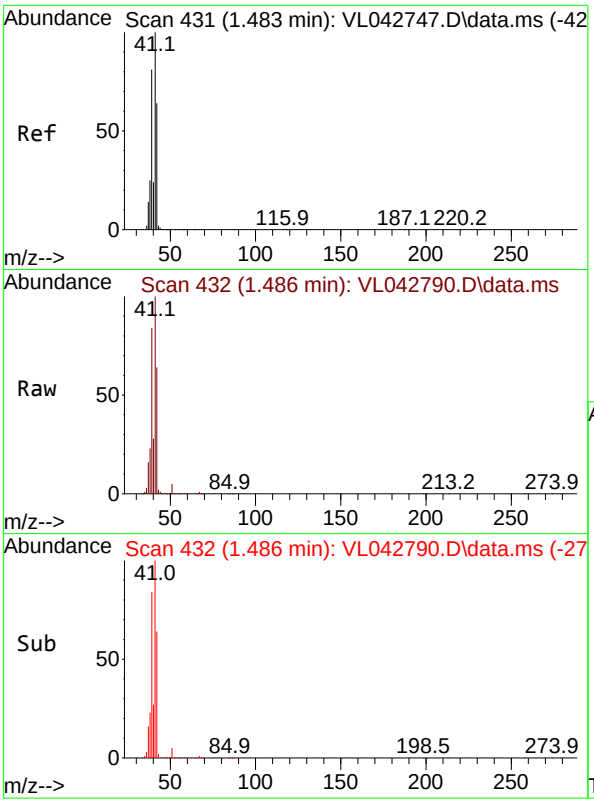


#8
Dichlorotetrafluoroethane
Concen: 9.447 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 144815

Ion	Ratio	Lower	Upper
85	100		
135	65.0	50.6	76.0



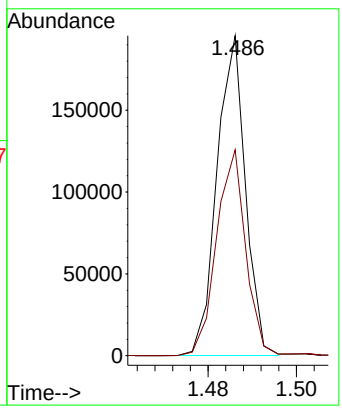


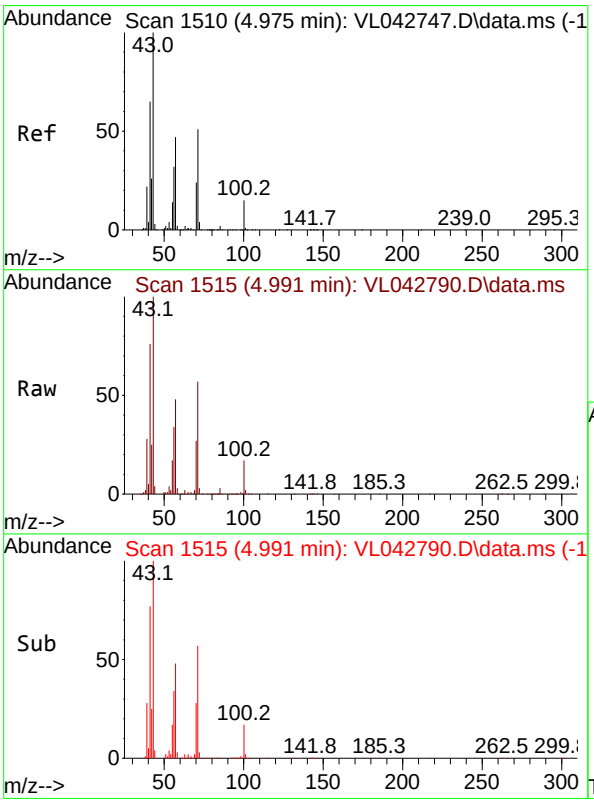
#9
Propene
Concen: 9.891 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 41 Resp: 87288

Ion	Ratio	Lower	Upper
41	100		
42	66.7	53.2	79.8

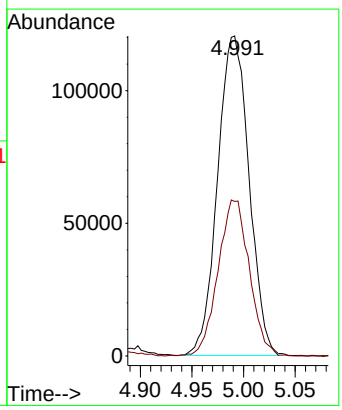


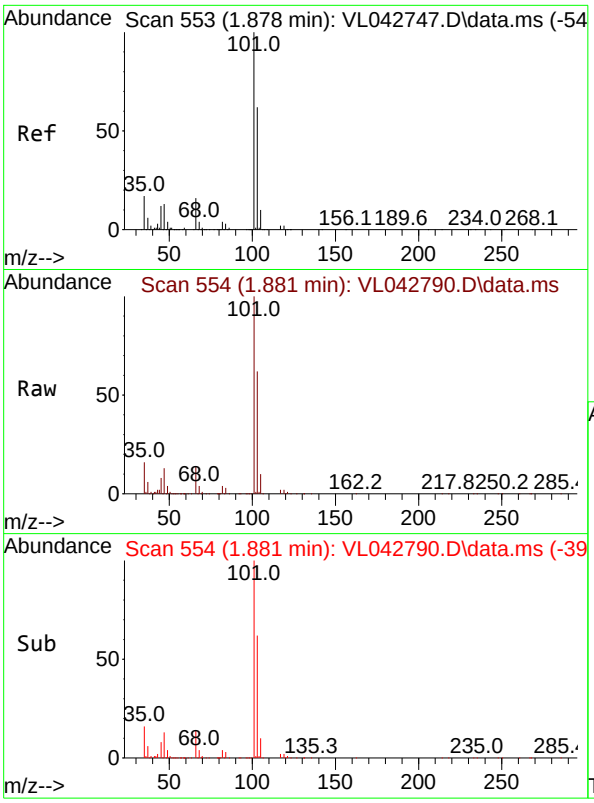


#10
Heptane
Concen: 10.724 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 255178

Ion	Ratio	Lower	Upper
43	100		
57	48.6	39.9	59.9



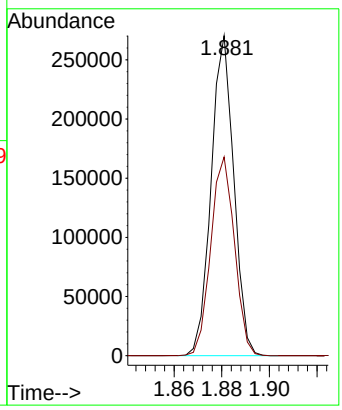


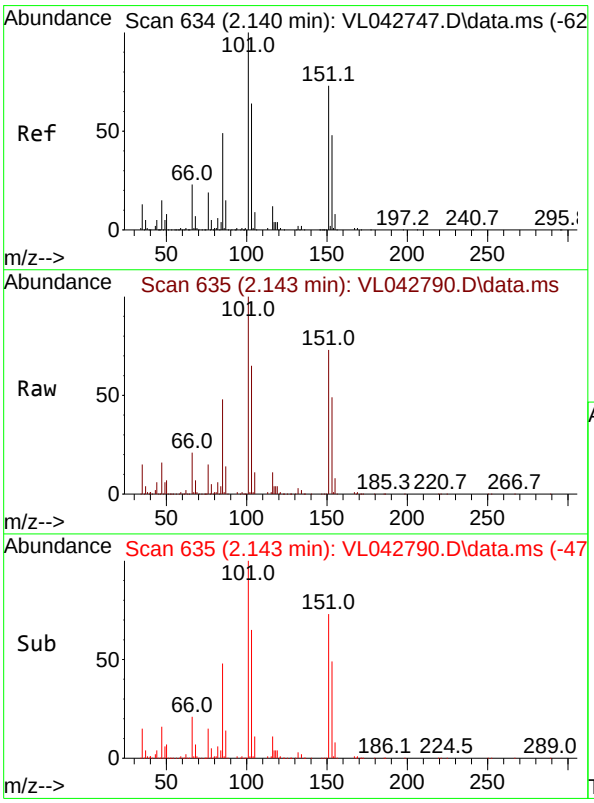
#11
Trichlorofluoromethane
Concen: 9.314 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:101 Resp: 178945

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.6	74.4

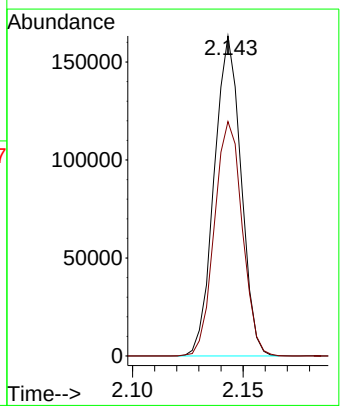


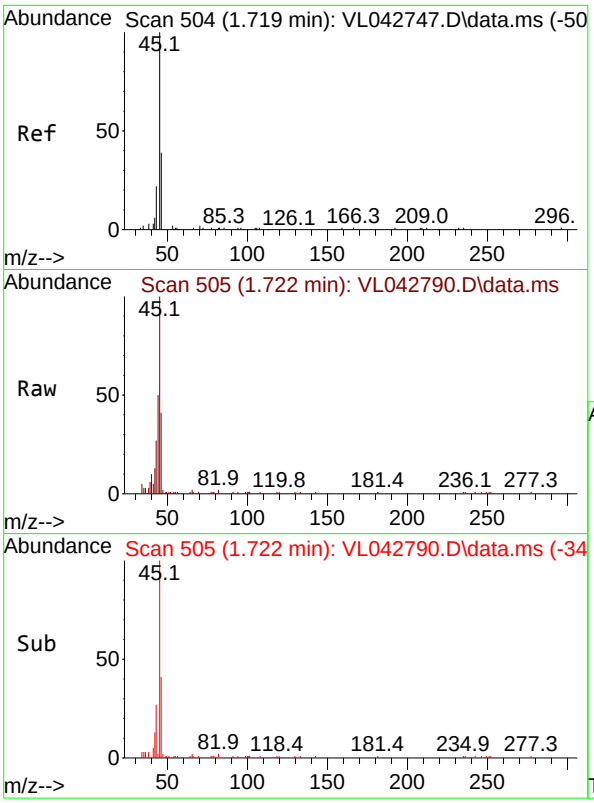


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.446 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:101 Resp: 137912

Ion	Ratio	Lower	Upper
101	100		
151	76.0	60.5	90.7



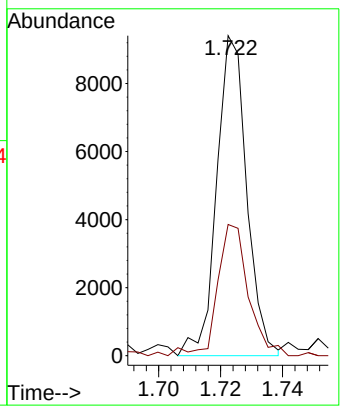


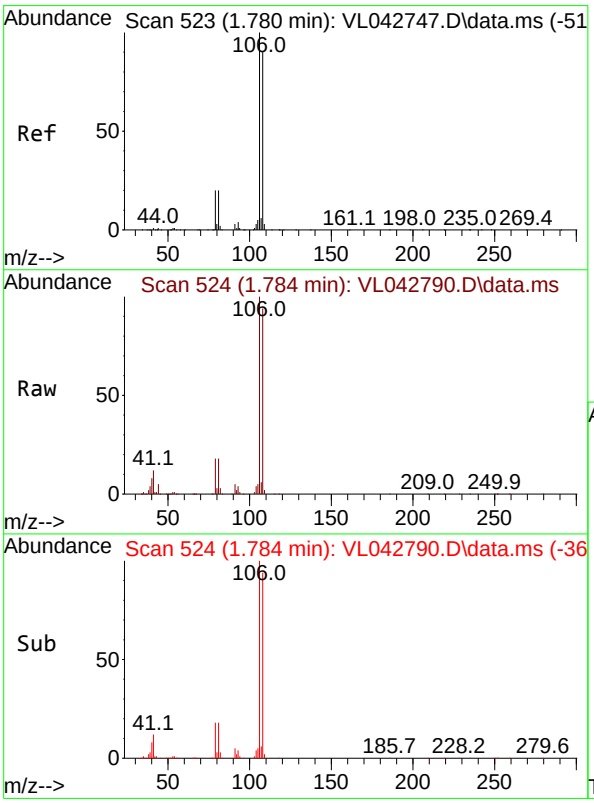
#13
Ethanol
Concen: 8.701 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 45 Resp: 6331

Ion	Ratio	Lower	Upper
45	100		
46	42.3	17.8	71.4

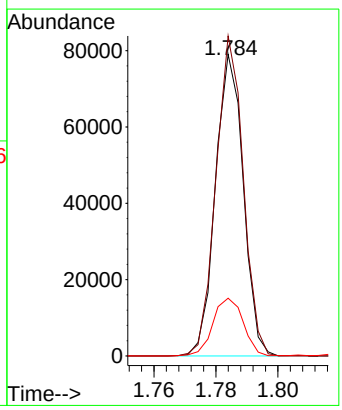


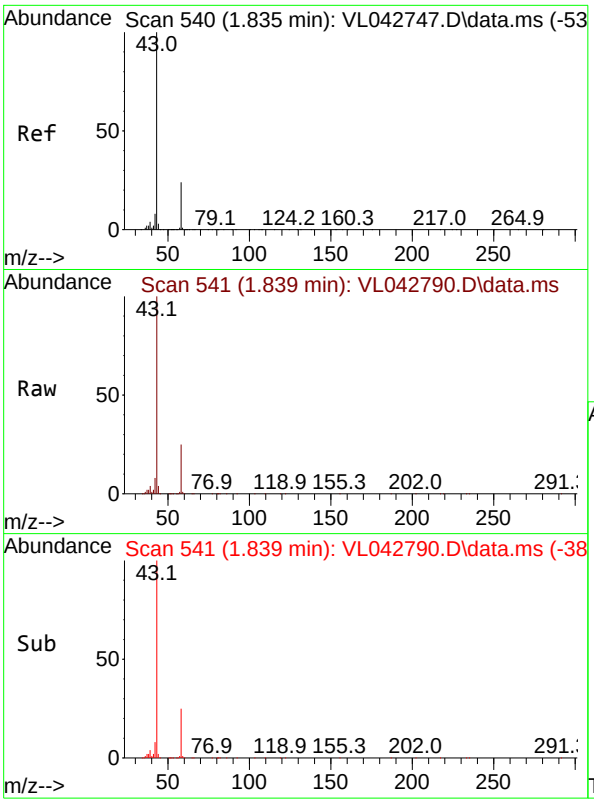


#14
Bromoethene
Concen: 9.543 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:108 Resp: 49330

Ion	Ratio	Lower	Upper
108	100		
106	104.2	84.7	127.1
79	21.5	17.4	26.2



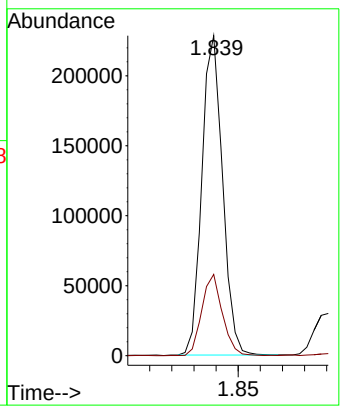


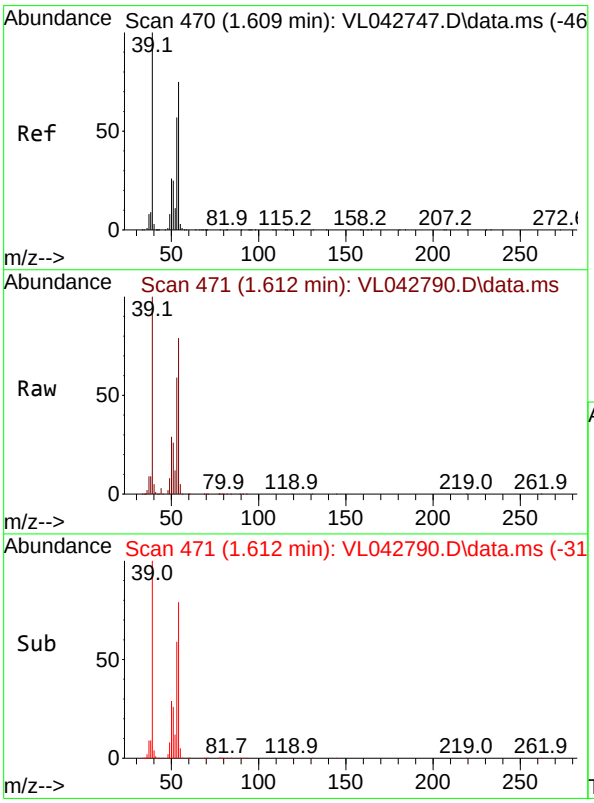
#15
Acetone
Concen: 7.590 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 147760

Ion	Ratio	Lower	Upper
43	100		
58	25.5	19.8	29.8

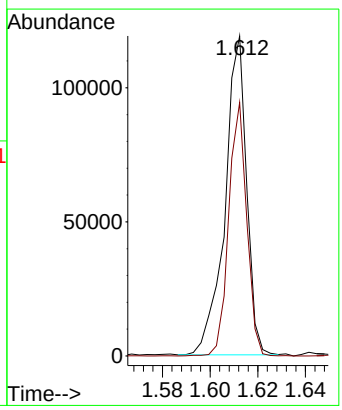


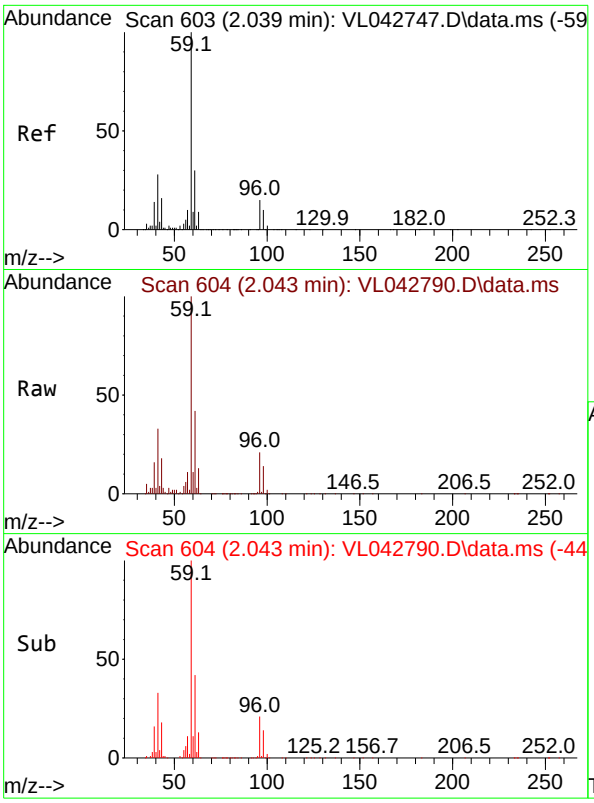


#16
1,3-Butadiene
Concen: 9.012 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 39 Resp: 74826

Ion	Ratio	Lower	Upper
39	100		
54	66.1	54.5	81.7



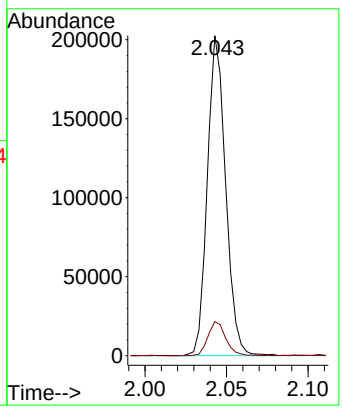


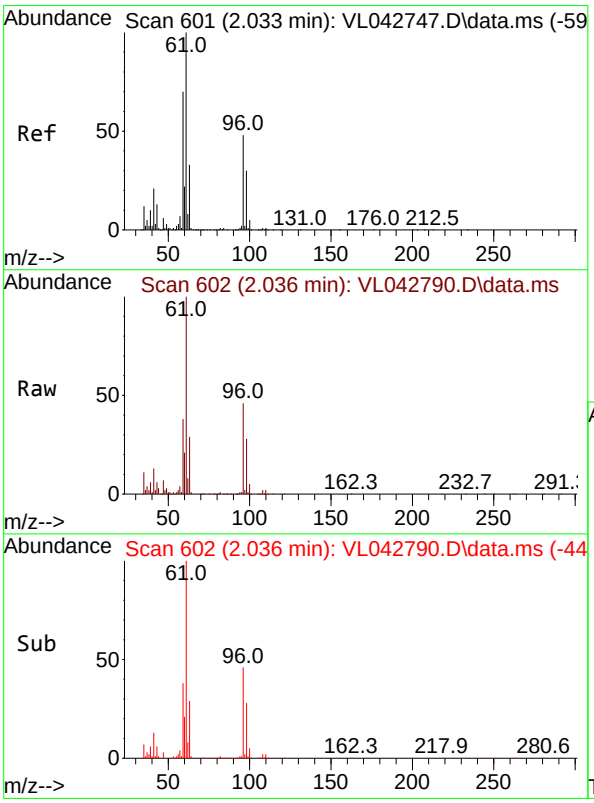
#17
tert-Butyl alcohol
Concen: 8.987 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 59 Resp: 157784

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

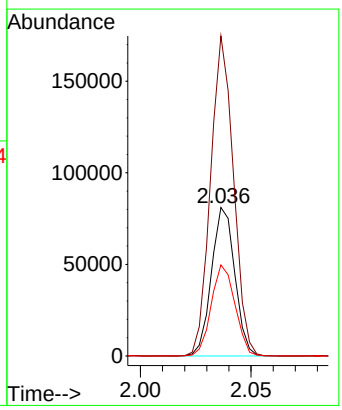


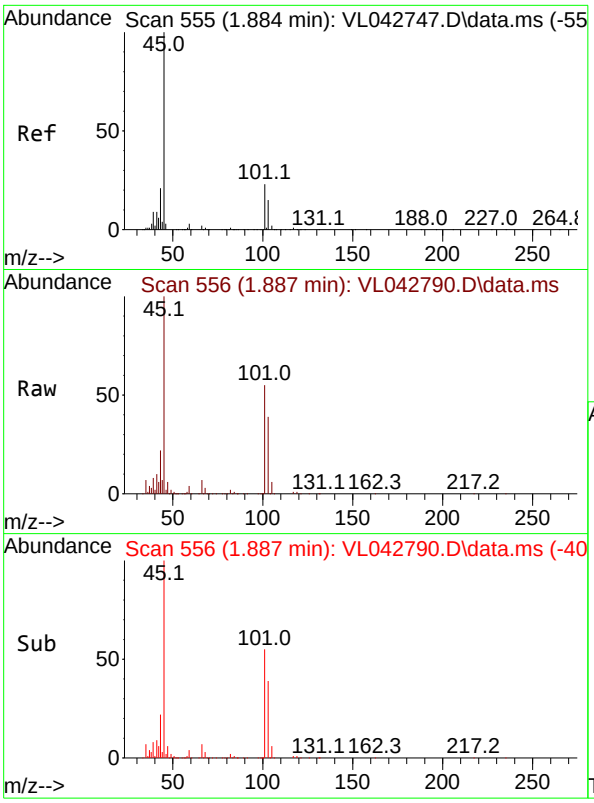


#18
1,1-Dichloroethene
Concen: 9.016 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 96 Resp: 59478

Ion	Ratio	Lower	Upper
96	100		
61	215.5	165.8	248.6
98	61.3	49.9	74.9



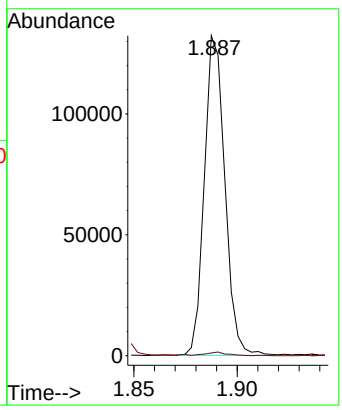


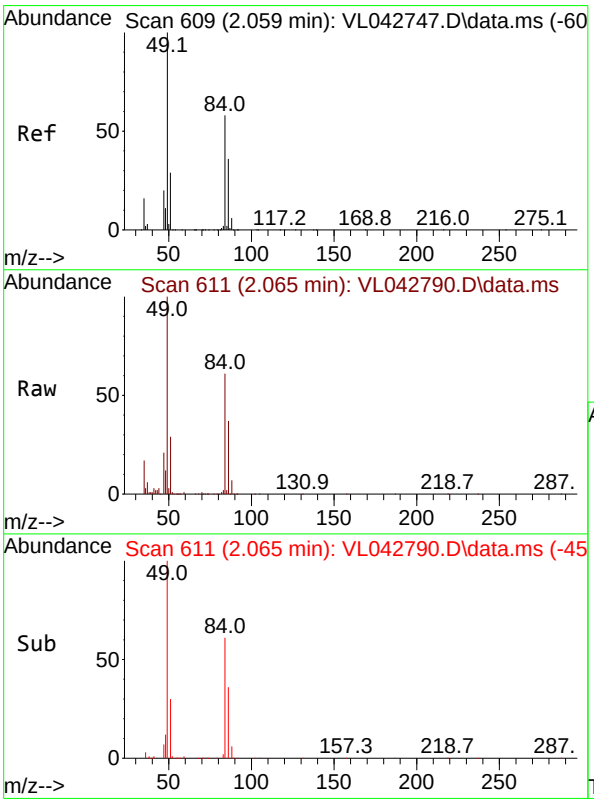
#19
Isopropyl Alcohol
Concen: 8.823 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 45 Resp: 91274

Ion	Ratio	Lower	Upper
45	100		
58	41.3	30.0	45.0

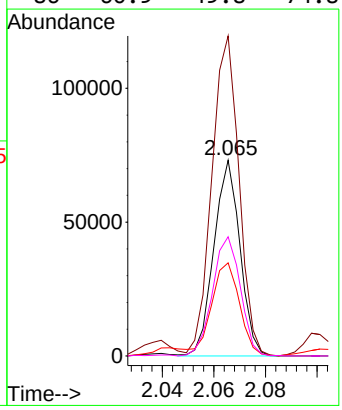


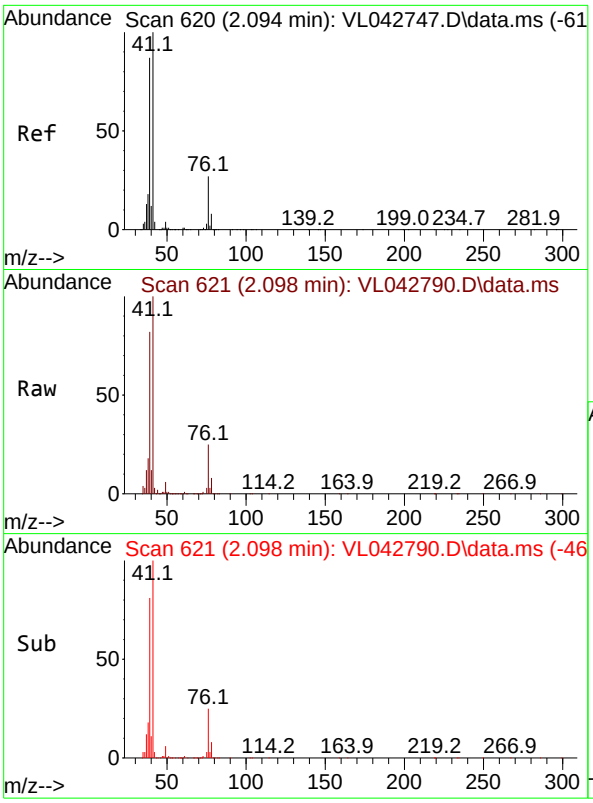


#20
Methylene Chloride
Concen: 8.372 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 51356

Ion	Ratio	Lower	Upper
84	100		
49	163.1	138.6	208.0
51	47.5	40.6	61.0
86	60.9	49.8	74.8



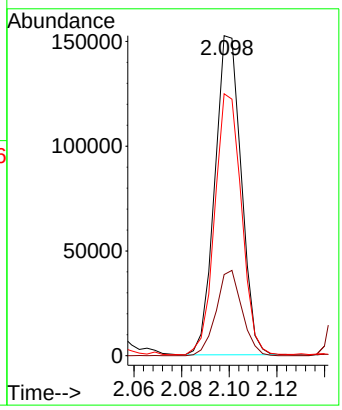


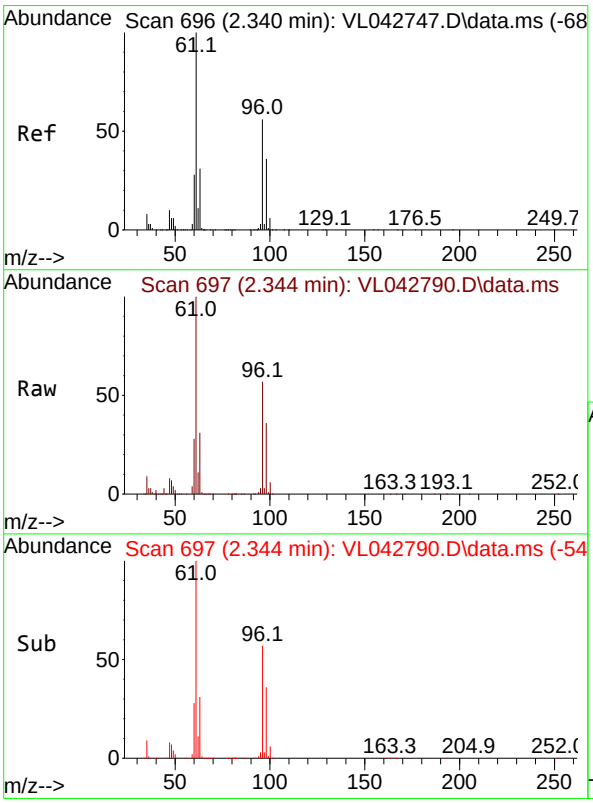
#21
Allyl Chloride
Concen: 9.776 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 41 Resp: 117287

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	82.6	68.3	102.5

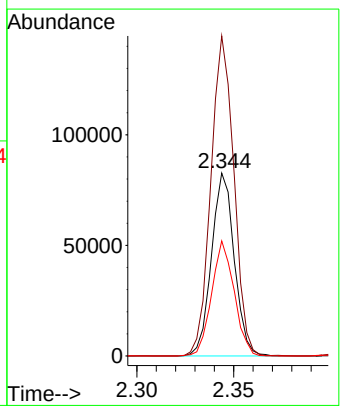


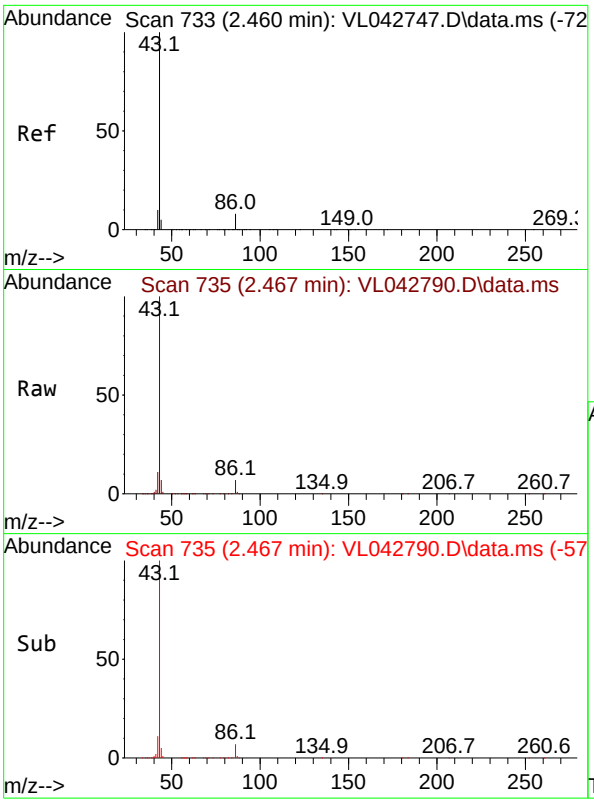


#22
trans-1,2-Dichloroethene
Concen: 9.517 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 96 Resp: 67541

Ion	Ratio	Lower	Upper
96	100		
61	175.0	142.3	213.5
98	62.9	50.6	76.0



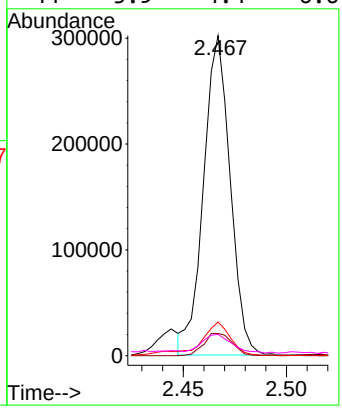


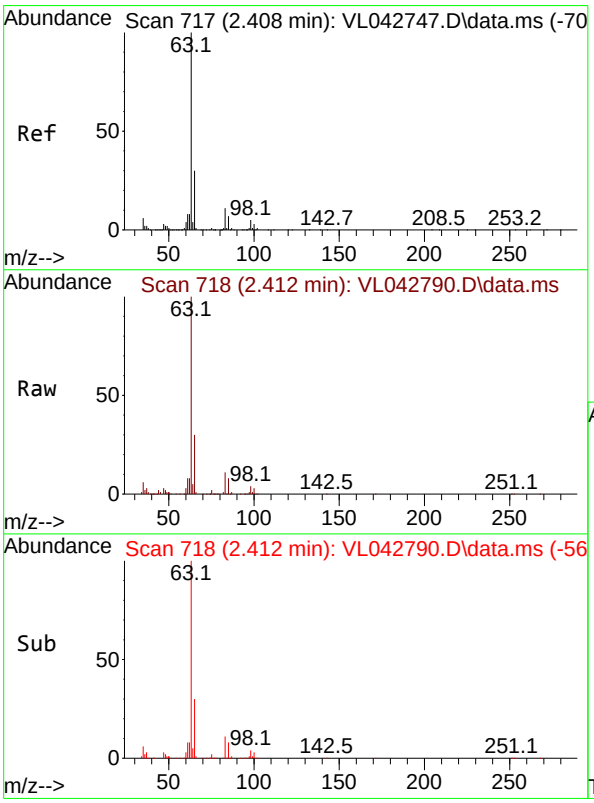
#23
Vinyl Acetate
Concen: 11.460 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 270452

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.1	9.1
42	10.4	7.8	11.8
44	5.9	4.4	6.6

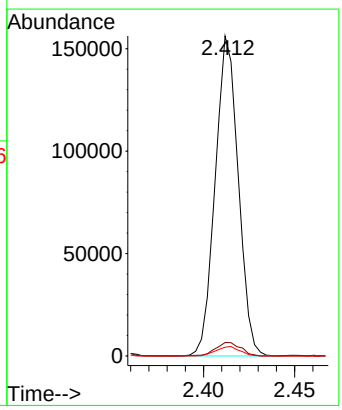


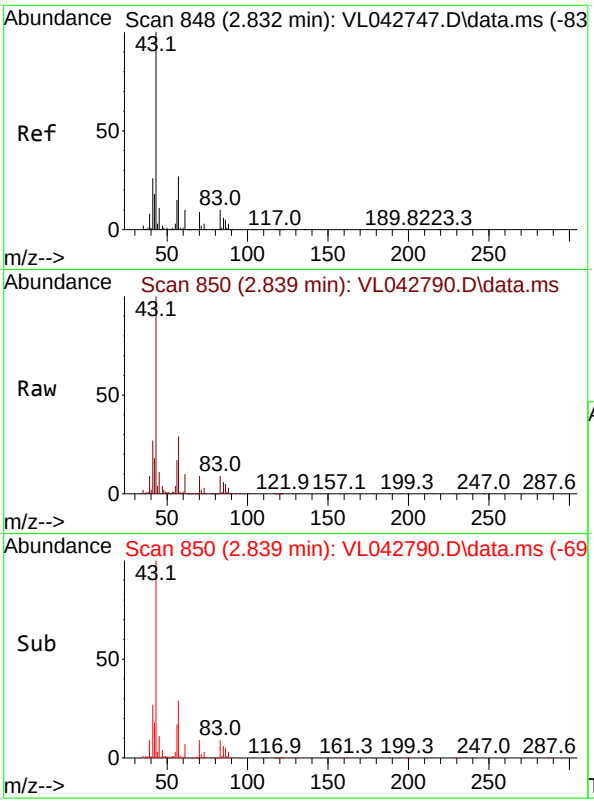


#24
1,1-Dichloroethane
Concen: 9.423 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 63 Resp: 137263

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	2.8	1.6	4.8



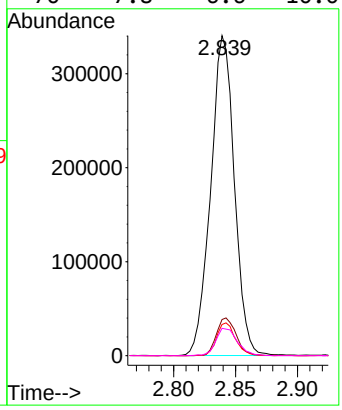


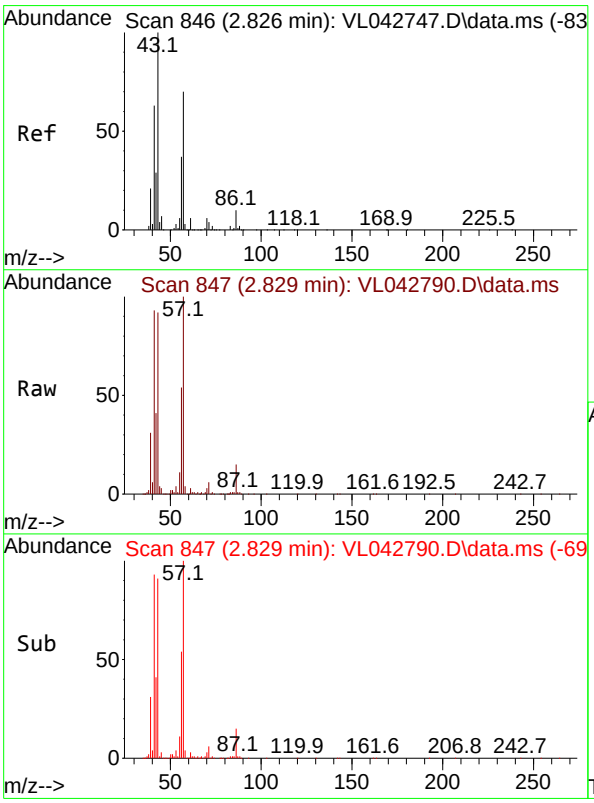
#25
Ethyl Acetate
Concen: 10.526 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 453552

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.3	6.7	10.1
70	7.8	6.6	10.0

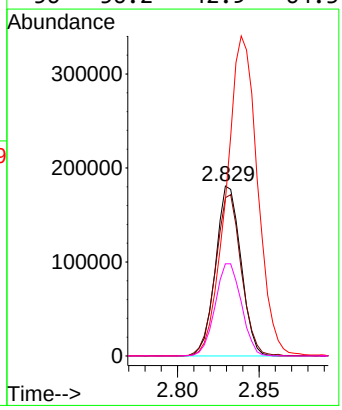


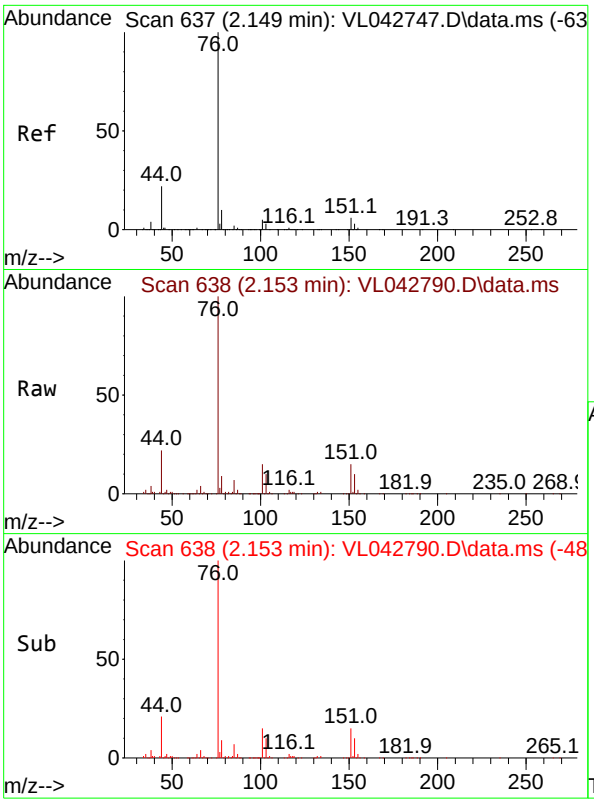


#26
Hexane
Concen: 10.318 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 57 Resp: 195021

Ion	Ratio	Lower	Upper
57	100		
41	97.6	75.4	113.2
43	233.9	185.0	277.6
56	56.2	42.9	64.3



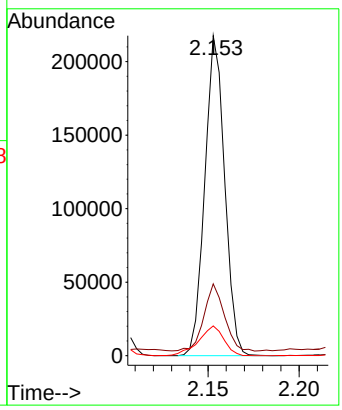


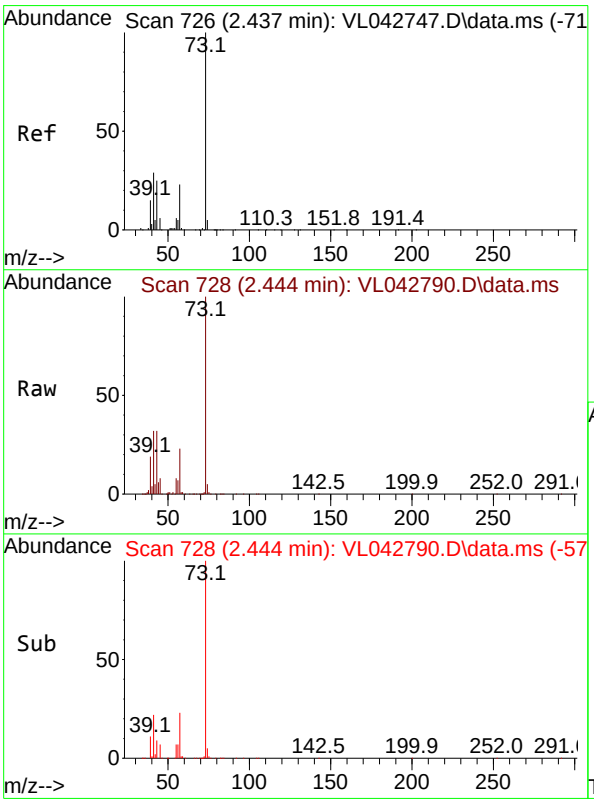
#27
Carbon Disulfide
Concen: 10.216 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 76 Resp: 165318

Ion	Ratio	Lower	Upper
76	100		
44	21.3	19.3	28.9
78	11.8	9.9	14.9

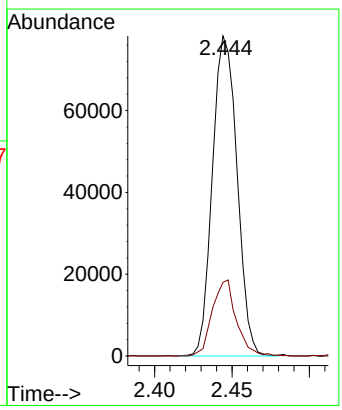


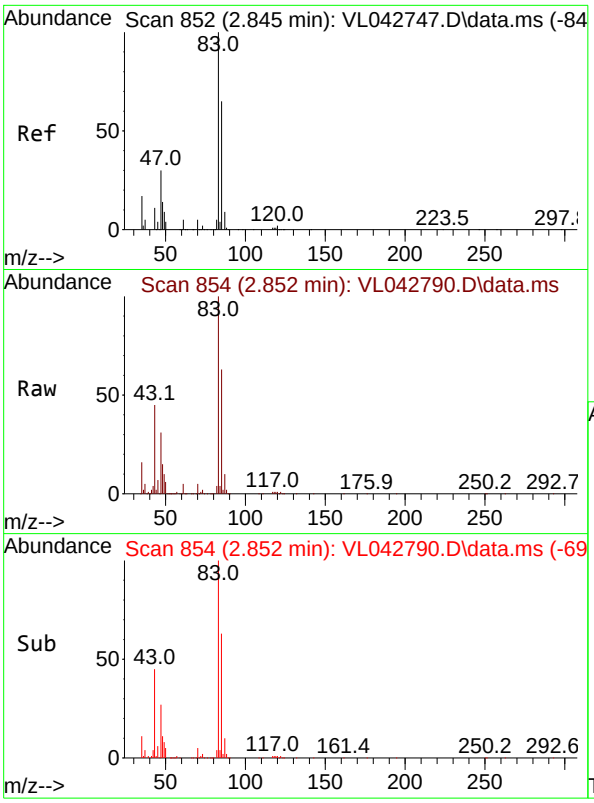


#28
Methyl tert-Butyl Ether
Concen: 9.699 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 73 Resp: 86612

Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.8	29.8



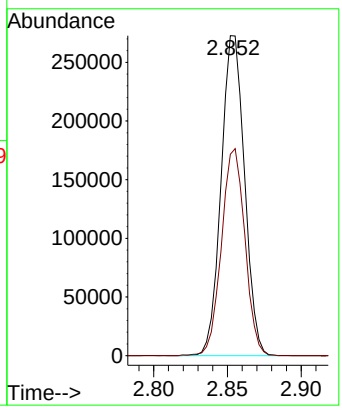


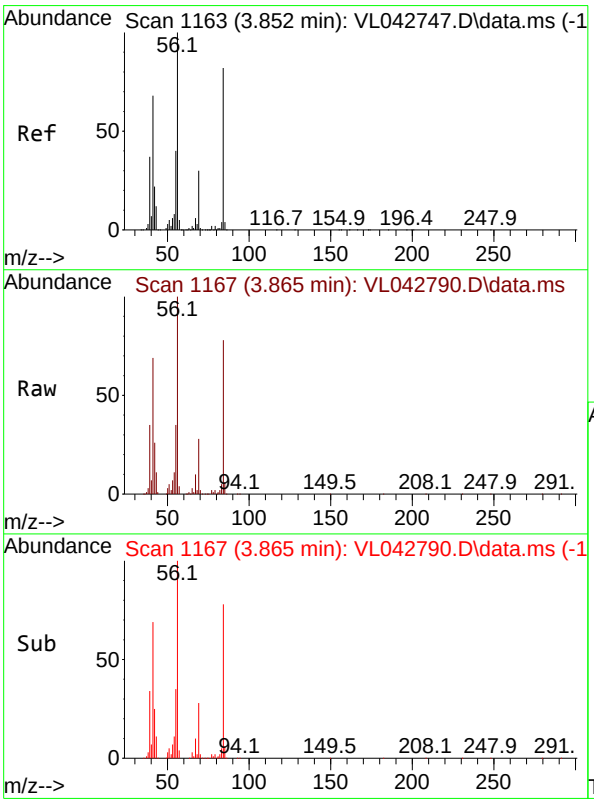
#29
Chloroform
Concen: 10.303 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 83 Resp: 300921

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2

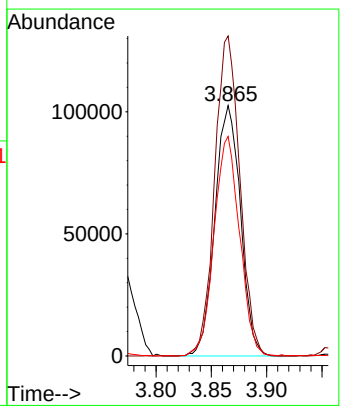


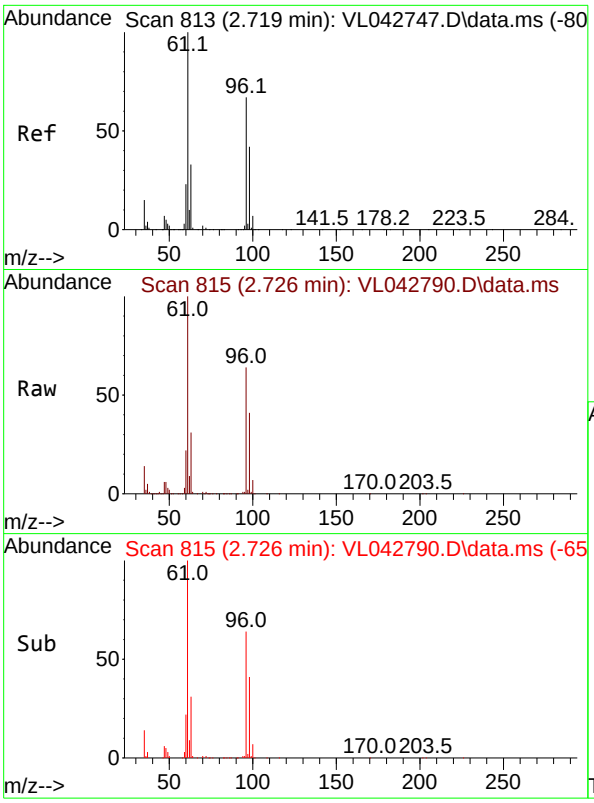


#30
Cyclohexane
Concen: 10.299 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 165101

Ion	Ratio	Lower	Upper
84	100		
56	125.4	97.5	146.3
41	87.4	67.2	100.8



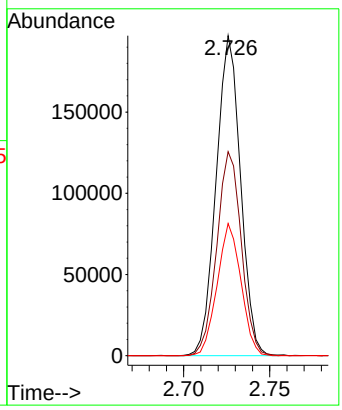


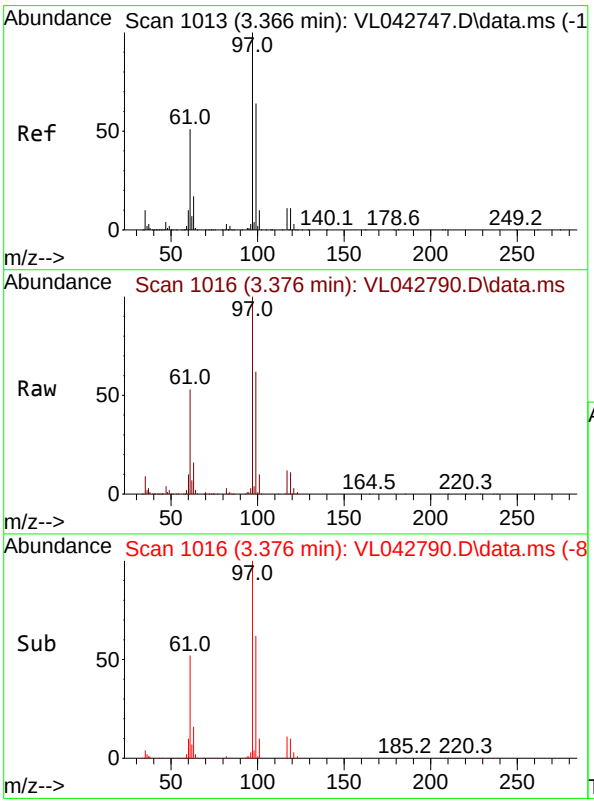
#31
cis-1,2-Dichloroethene
Concen: 10.022 ppbv
RT: 2.726 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 61 Resp: 194661

Ion	Ratio	Lower	Upper
61	100		
96	63.8	53.5	80.3
98	41.3	33.6	50.4

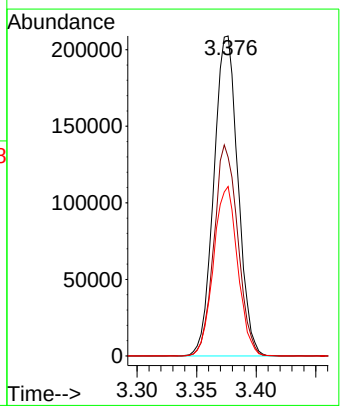


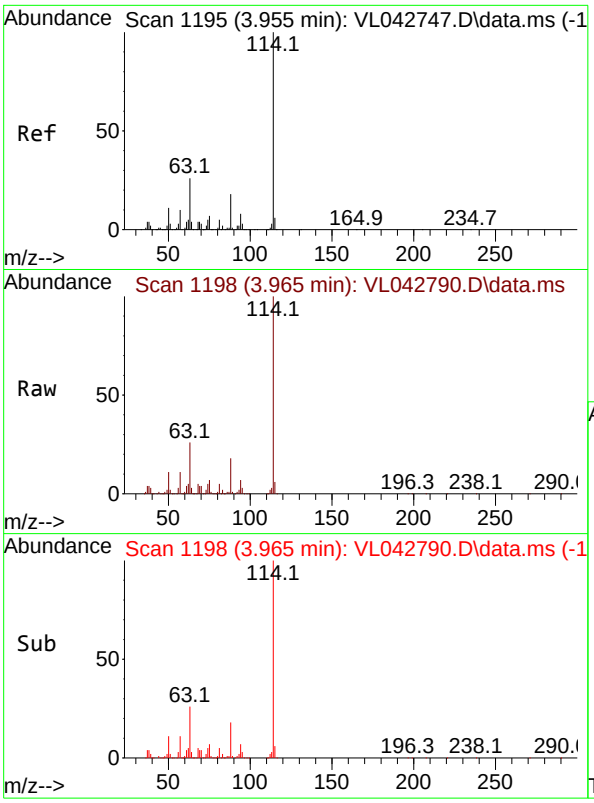


#32
1,1,1-Trichloroethane
Concen: 9.647 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 97 Resp: 293497

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	53.3	40.9	61.3



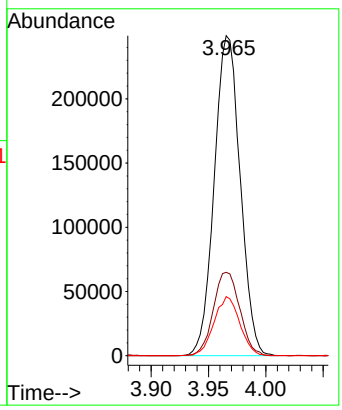


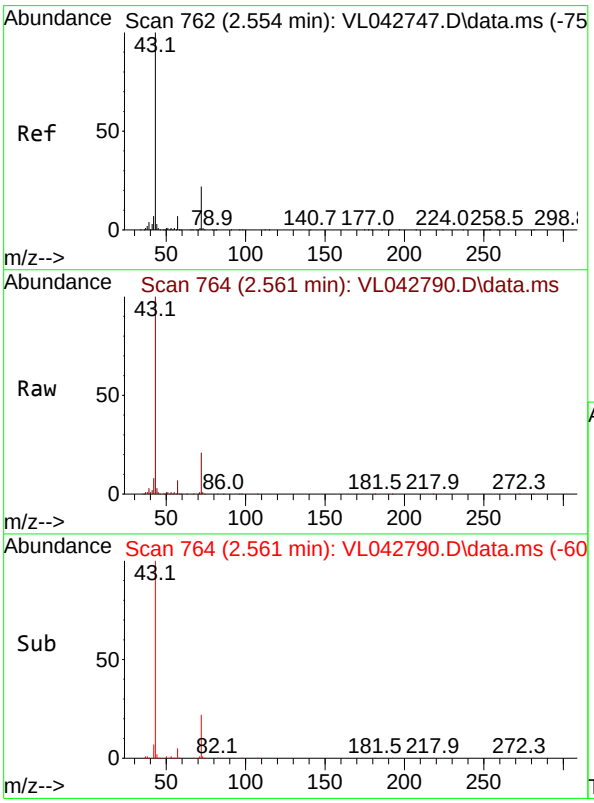
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:114 Resp: 391458

Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.5	30.7
88	18.4	14.0	21.0

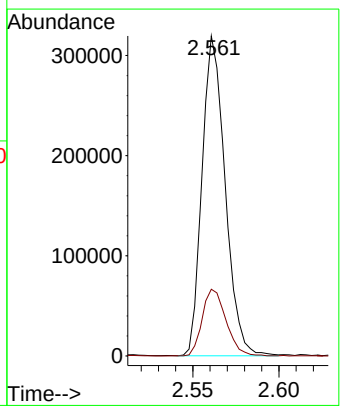


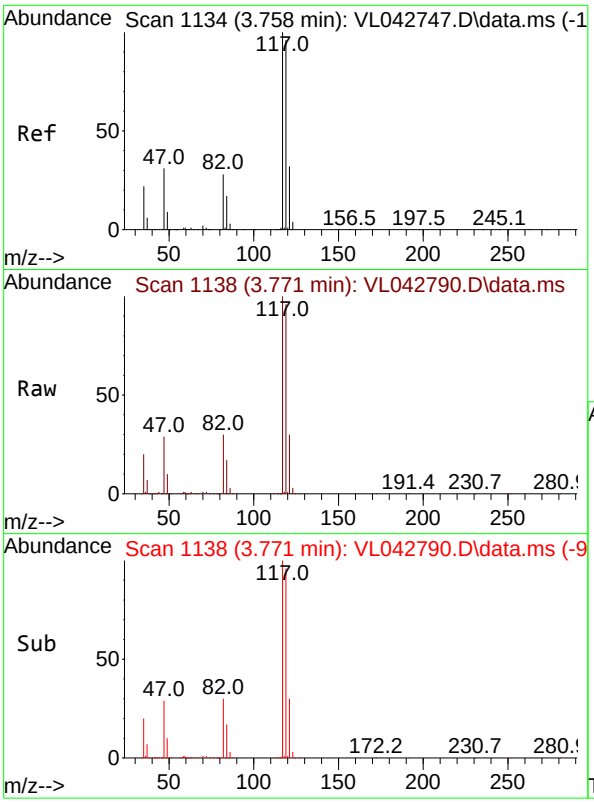


#34
2-Butanone
Concen: 10.758 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 298296

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.4	26.0



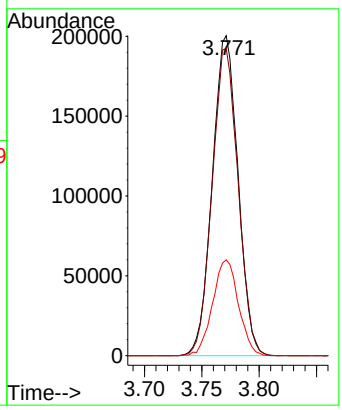


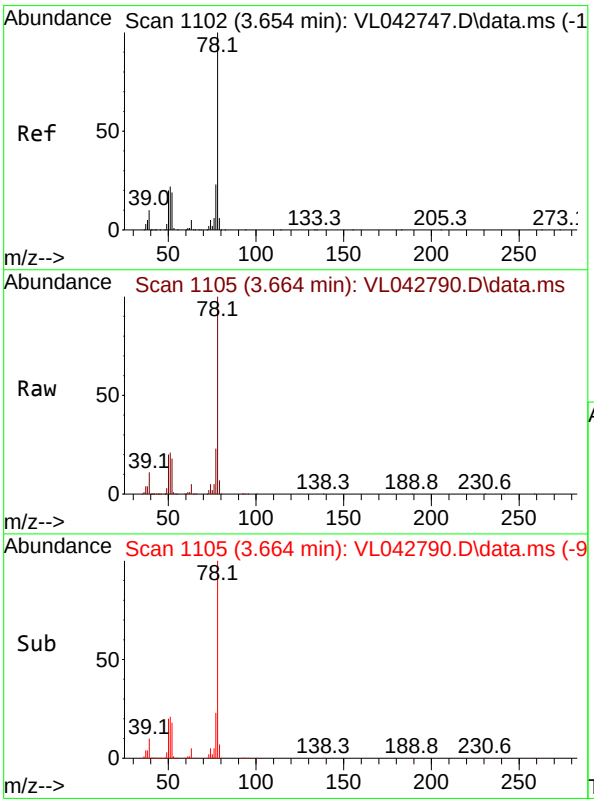
#35
Carbon Tetrachloride
Concen: 10.748 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:117 Resp: 312530

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.0	25.5	38.3

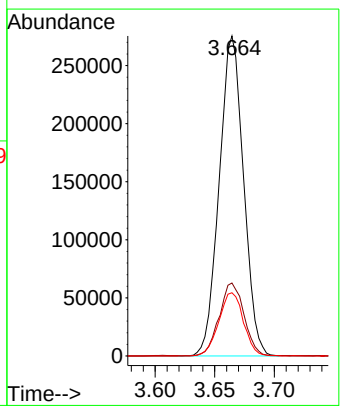


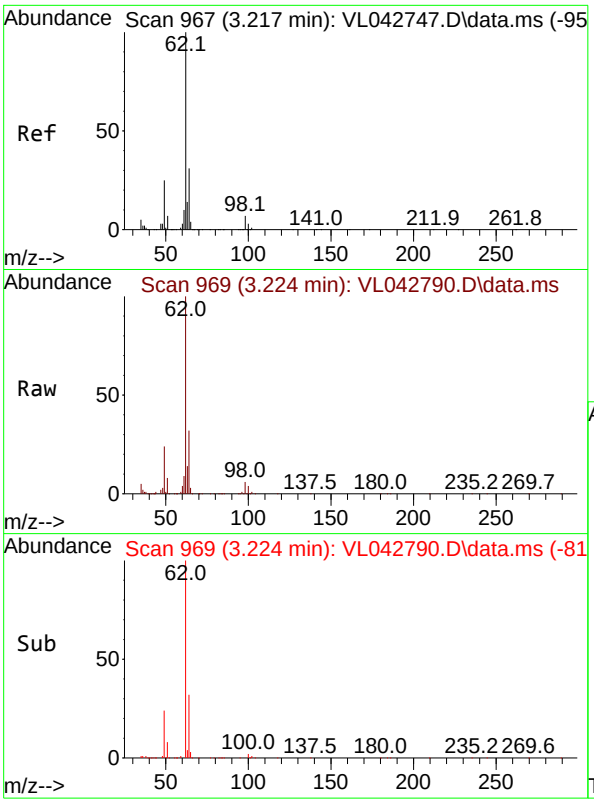


#36
Benzene
Concen: 10.536 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 78 Resp: 390877

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7
50	19.8	16.2	24.2



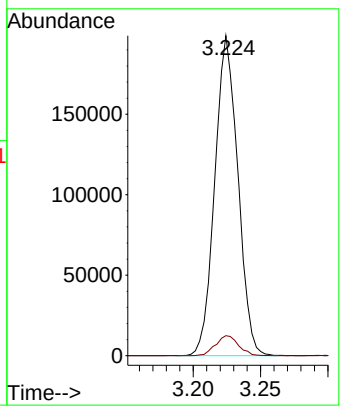


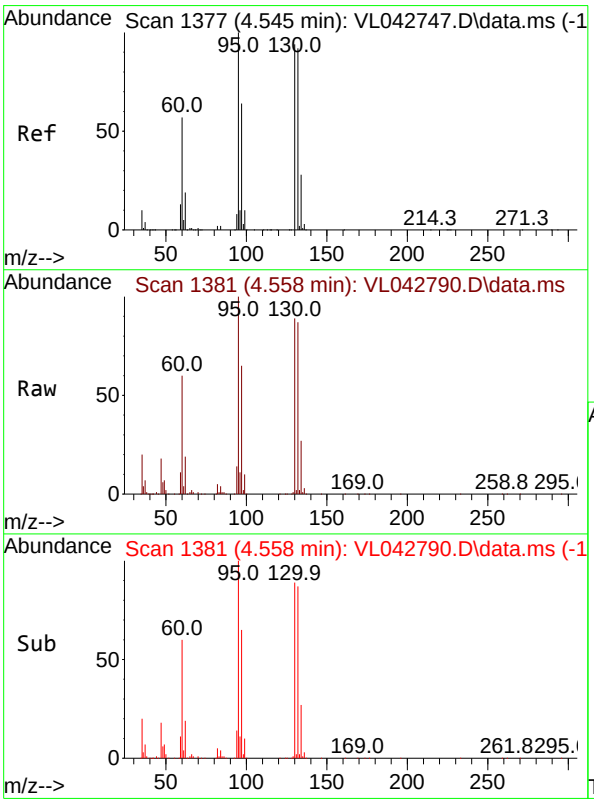
#37
1,2-Dichloroethane
Concen: 10.589 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 62 Resp: 236656

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.2	7.8

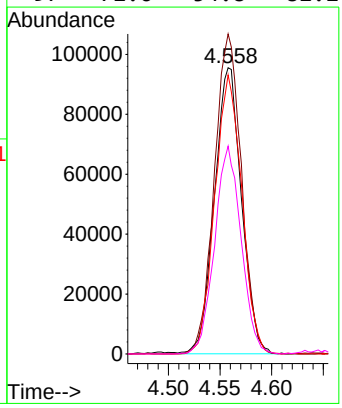


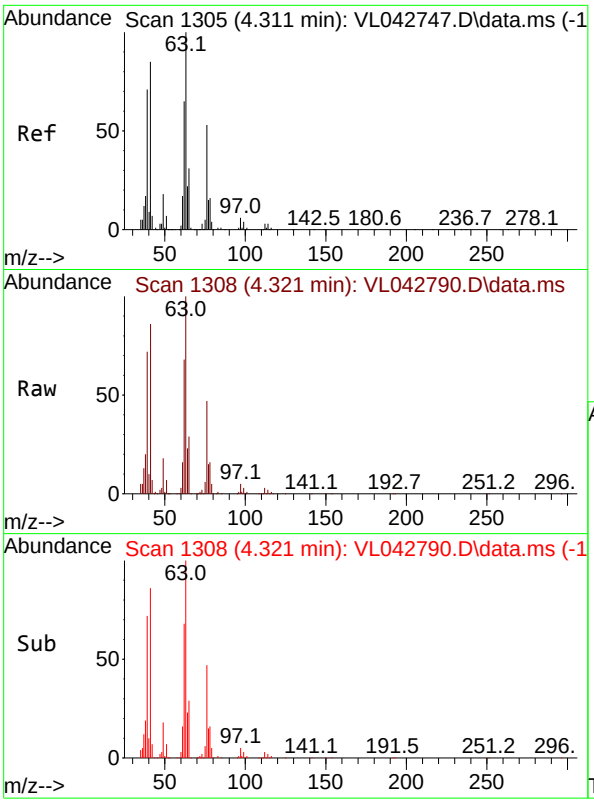


#38
Trichloroethene
Concen: 9.776 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:130 Resp: 174246

Ion	Ratio	Lower	Upper
130	100		
95	111.7	85.4	128.2
132	97.5	78.2	117.2
97	72.6	54.8	82.2



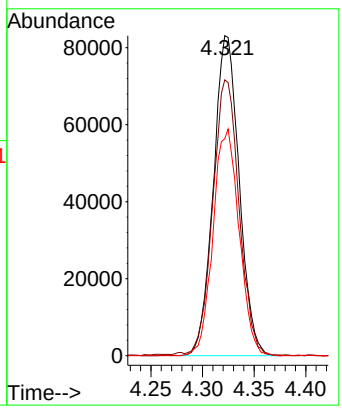


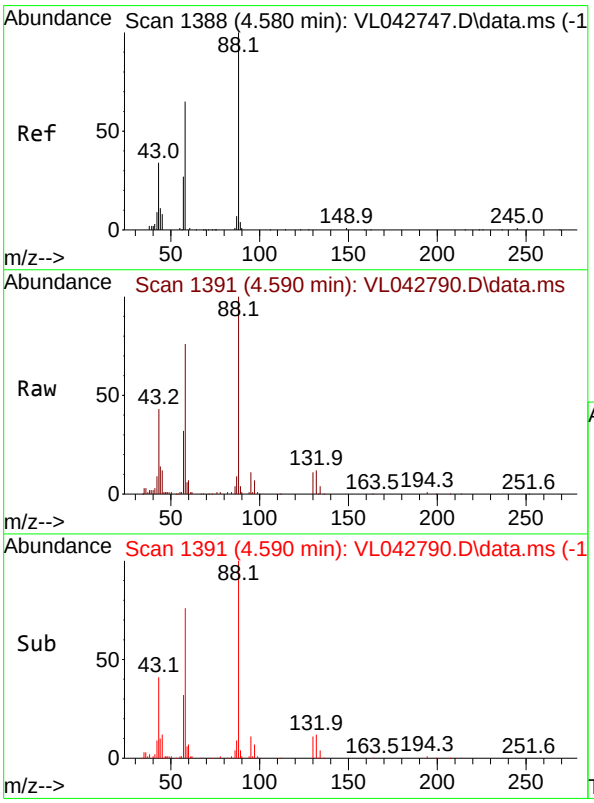
#39
1,2-Dichloropropane
Concen: 10.536 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 63 Resp: 144288

Ion	Ratio	Lower	Upper
63	100		
41	86.0	68.2	102.4
62	67.8	52.0	78.0

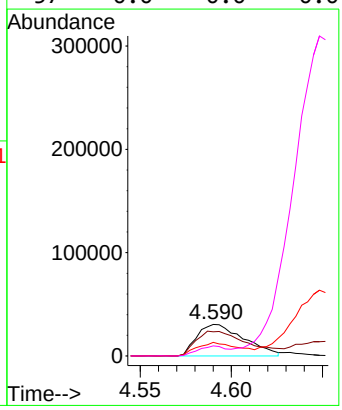


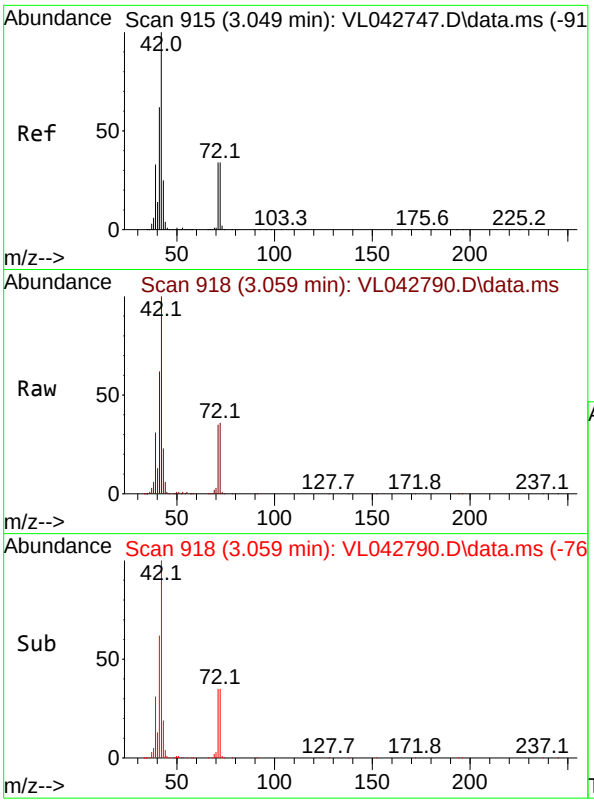


#40
1,4-Dioxane
Concen: 8.594 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 88 Resp: 54856

Ion	Ratio	Lower	Upper
88	100		
58	85.8	58.8	88.2
43	34.3	28.9	43.3
57	0.0	0.0	0.0



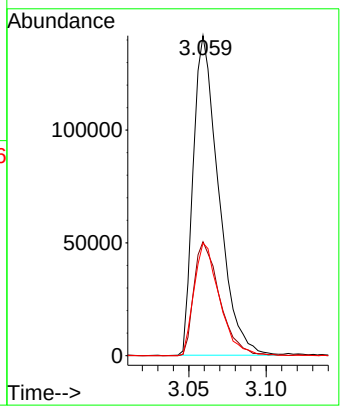


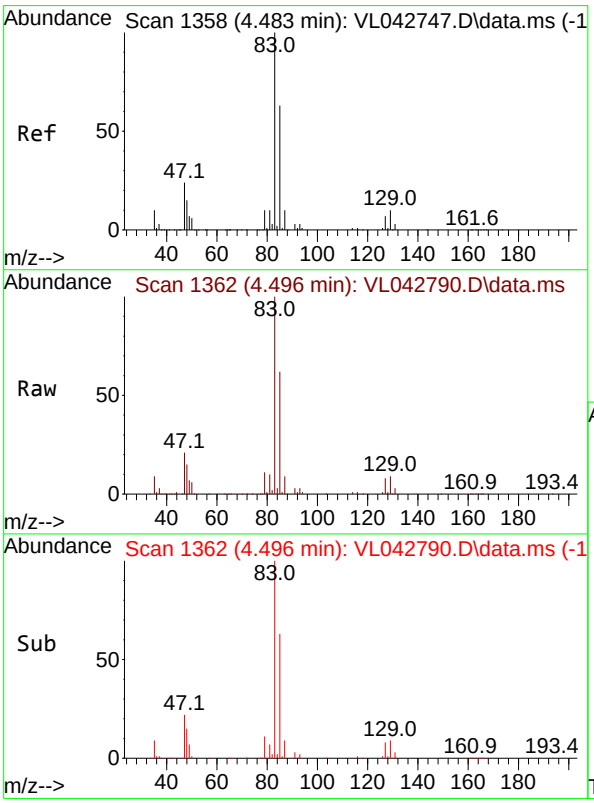
#41
Tetrahydrofuran
Concen: 11.448 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 42 Resp: 161537

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.9	46.3
71	35.5	28.6	43.0

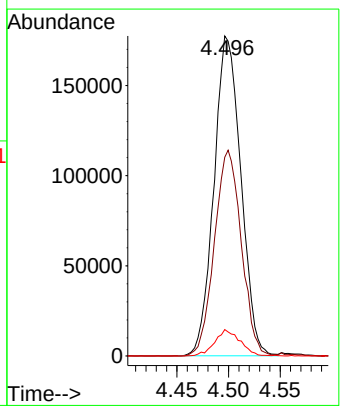


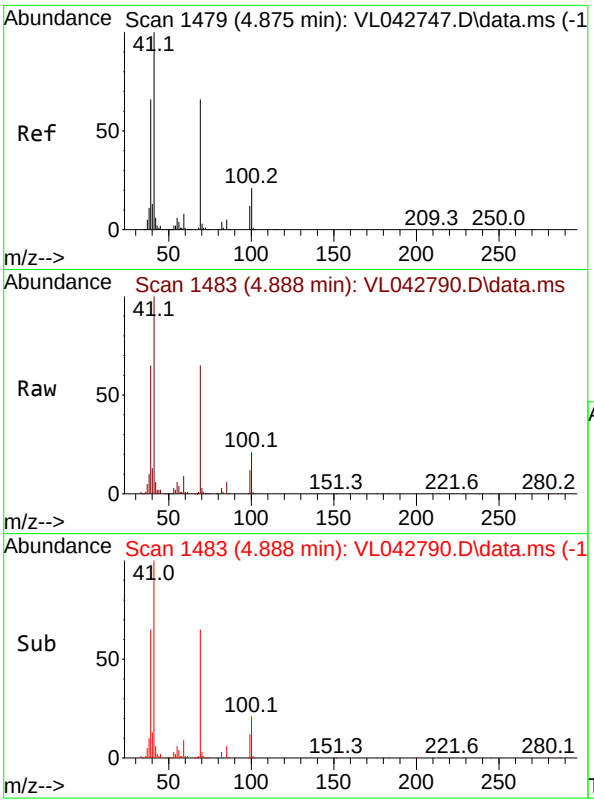


#42
Bromodichloromethane
Concen: 11.059 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 83 Resp: 321891

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.2	5.4	8.2#



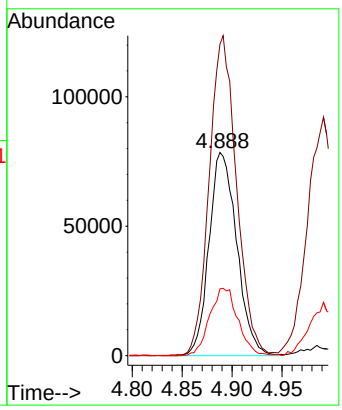


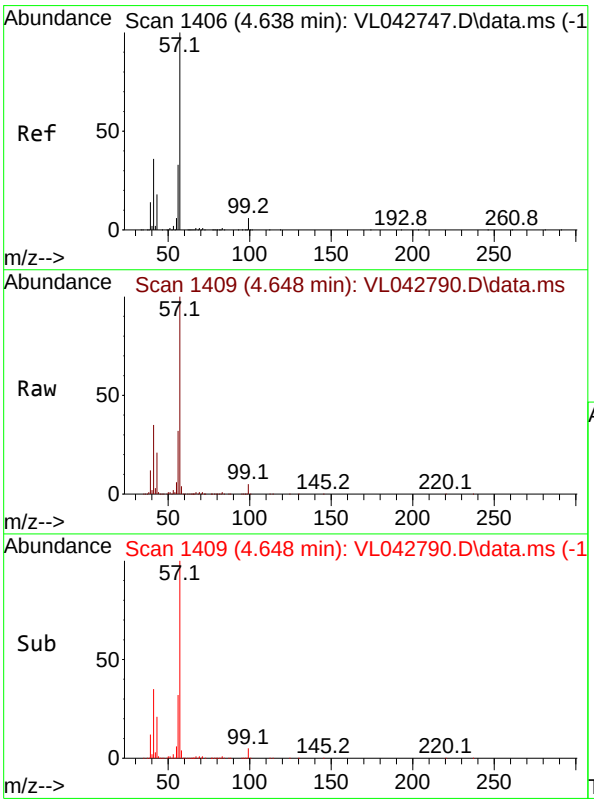
#43
Methyl Methacrylate
Concen: 11.512 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 69 Resp: 151803

Ion	Ratio	Lower	Upper
69	100		
41	154.2	125.7	188.5
100	33.8	28.6	42.8

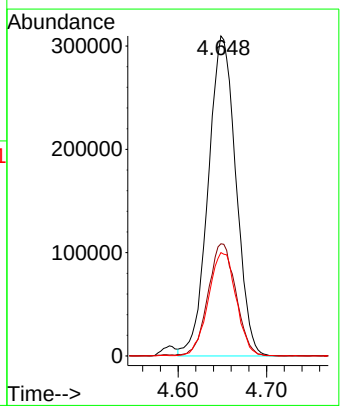


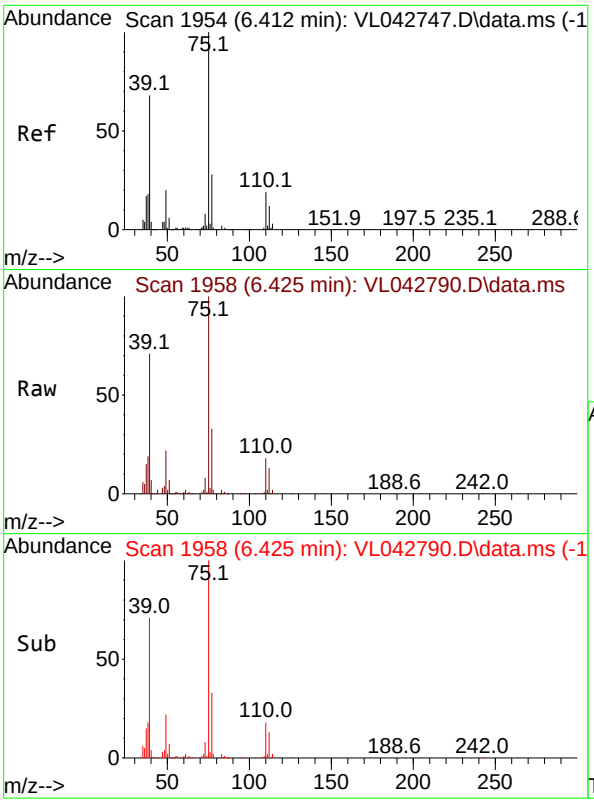


#44
2,2,4-Trimethylpentane
Concen: 11.121 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 57 Resp: 672509

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.3	42.5
56	32.7	25.8	38.6



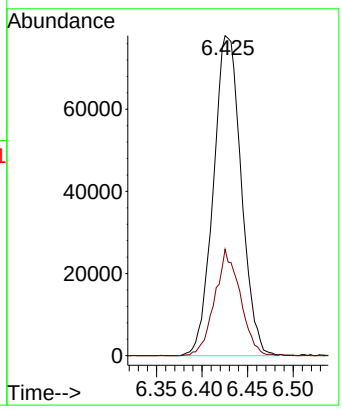


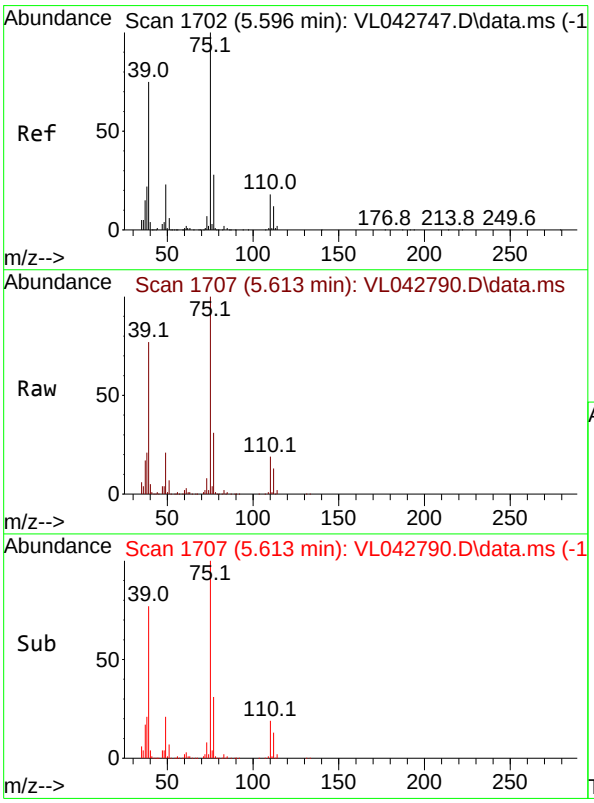
#45
t-1,3-Dichloropropene
Concen: 11.199 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 75 Resp: 165606

Ion	Ratio	Lower	Upper
75	100		
77	33.3	22.4	33.6

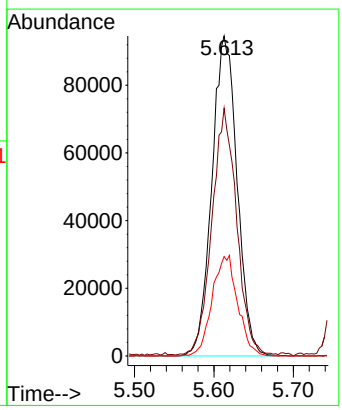


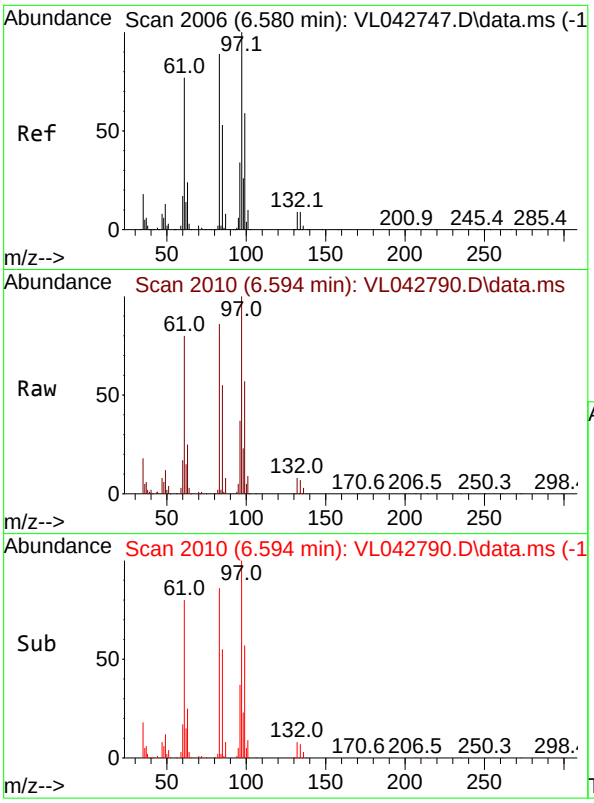


#46
cis-1,3-Dichloropropene
Concen: 11.143 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 75 Resp: 208804

Ion	Ratio	Lower	Upper
75	100		
39	77.0	60.2	90.2
77	31.0	22.6	34.0



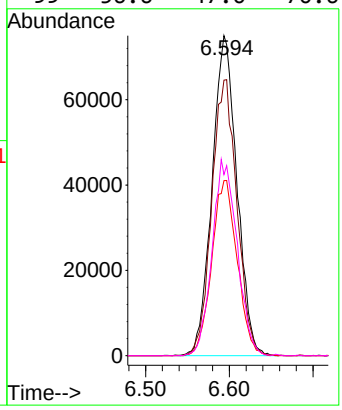


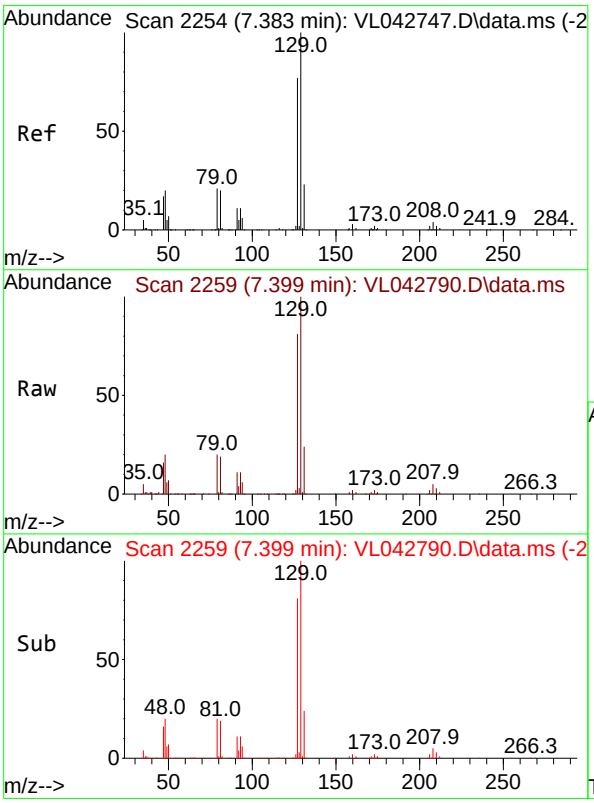
#47
1,1,2-Trichloroethane
Concen: 10.587 ppbv
RT: 6.594 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 97 Resp: 154552

Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.1	106.7
85	54.7	43.0	64.4
99	56.6	47.0	70.6

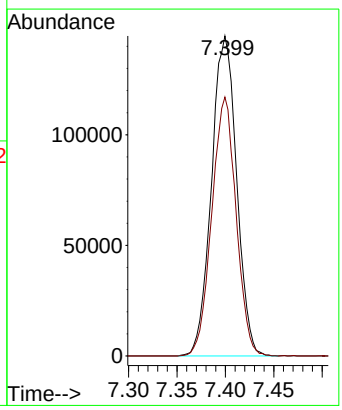


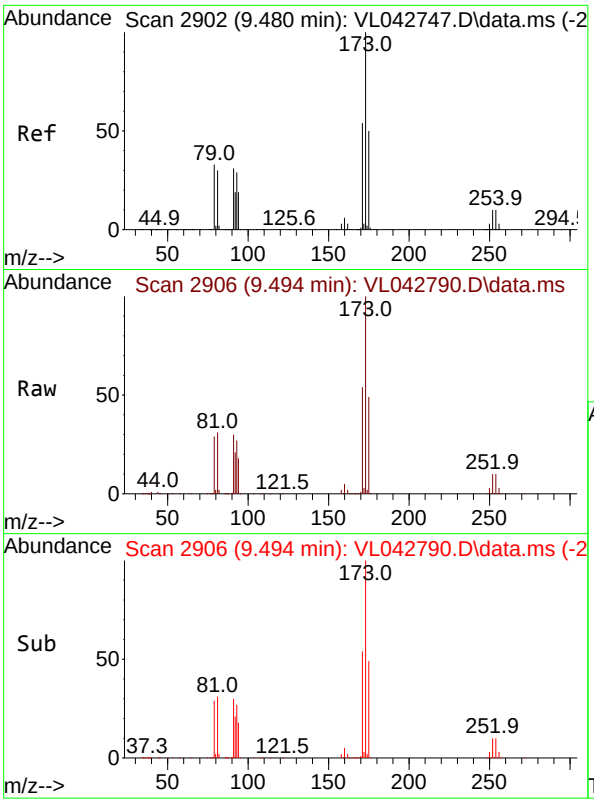


#48
Dibromochloromethane
Concen: 11.278 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:129 Resp: 261380

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.7	116.1



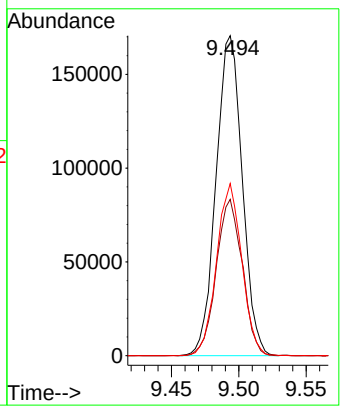


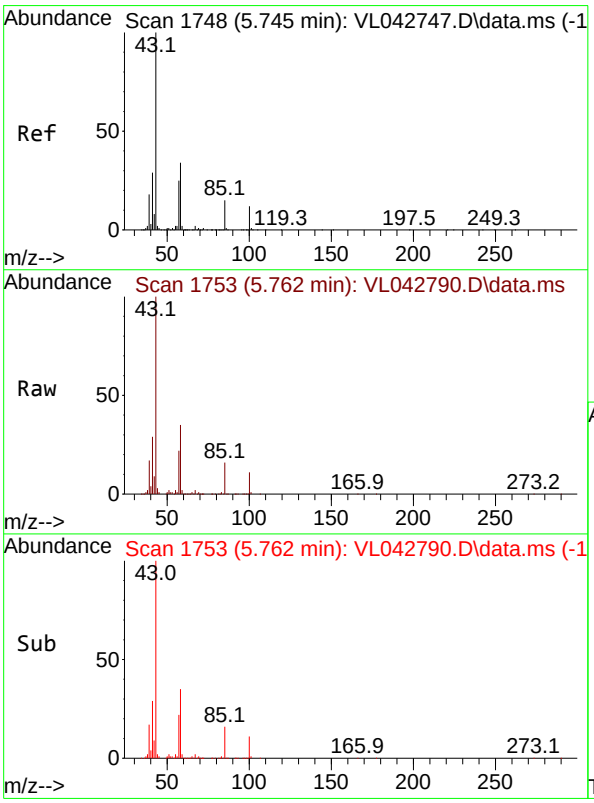
#49
Bromoform
Concen: 11.433 ppbv
RT: 9.494 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:173 Resp: 231022

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.4	57.6
171	51.8	40.9	61.3

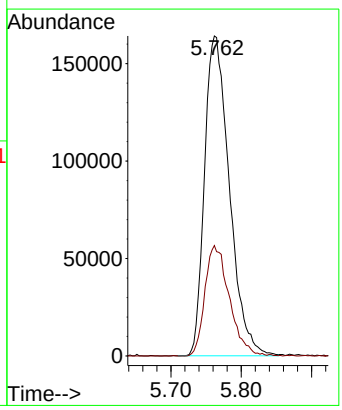


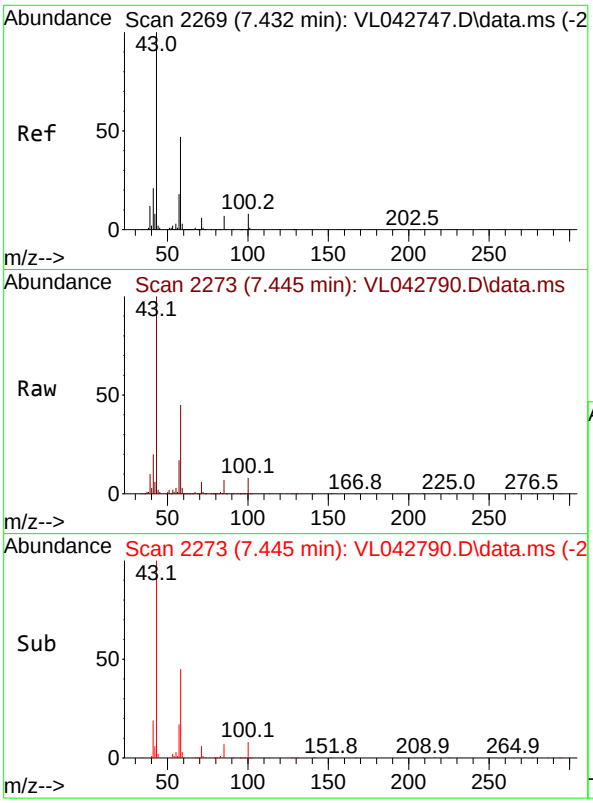


#50
4-Methyl-2-Pentanone
Concen: 11.270 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 402543

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.8



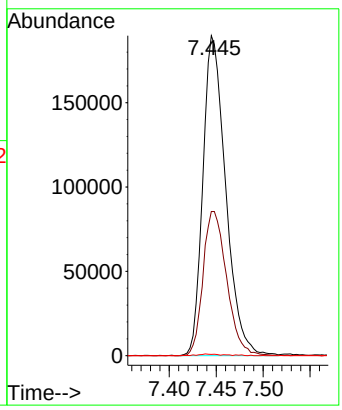


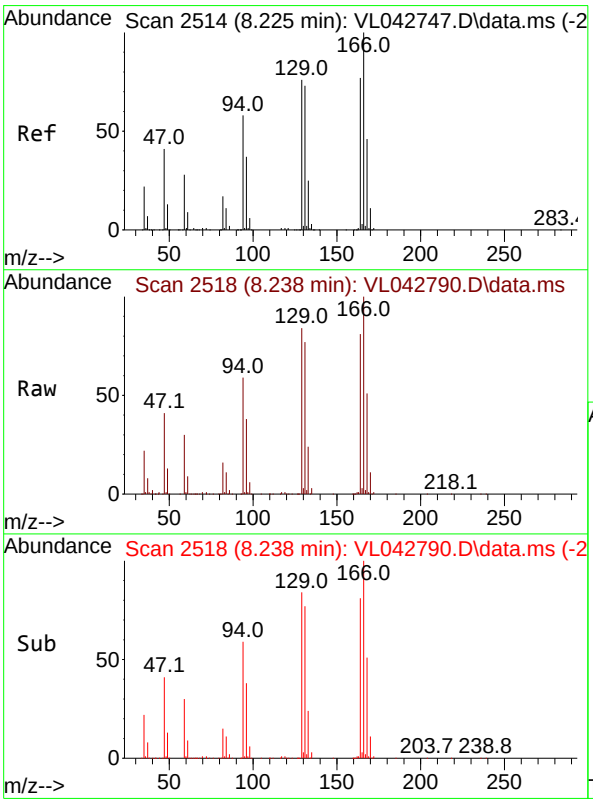
#51
2-Hexanone
Concen: 11.895 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 321076

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.0	57.0
98	0.6	0.2	0.4#

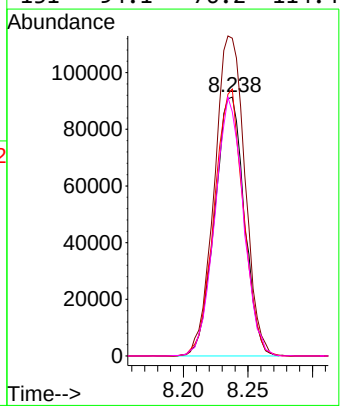


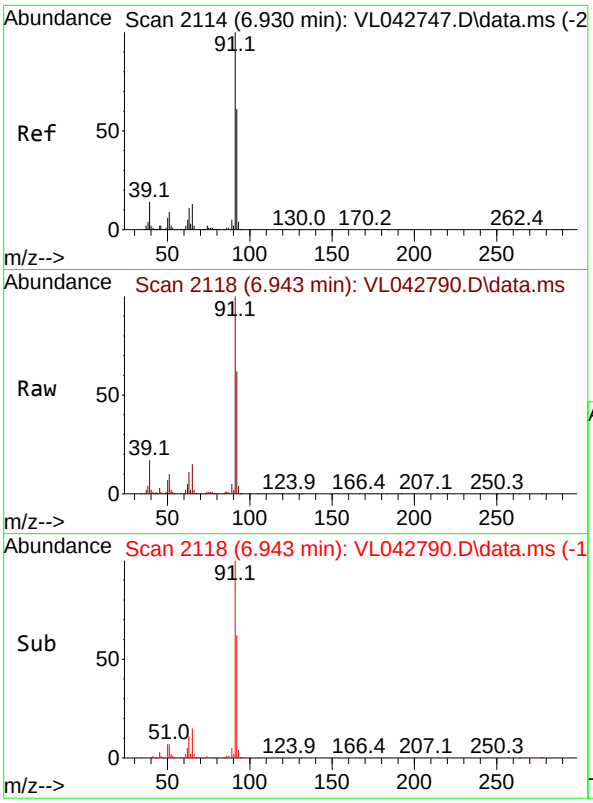


#52
Tetrachloroethene
Concen: 9.479 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:164 Resp: 145761

Ion	Ratio	Lower	Upper
164	100		
166	122.6	104.0	156.0
129	103.0	79.2	118.8
131	94.1	76.2	114.4



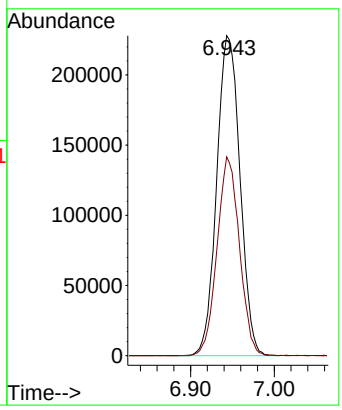


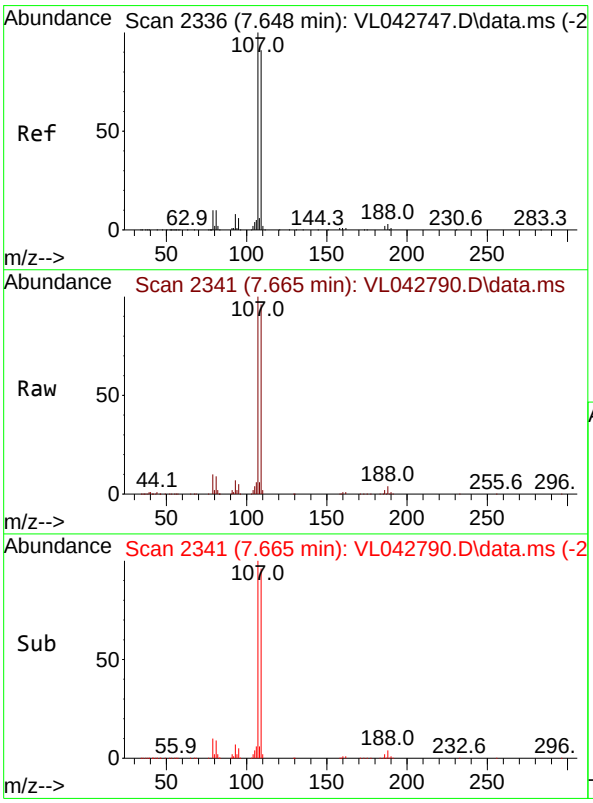
#53
Toluene
Concen: 11.041 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 91 Resp: 439867

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.0	72.0

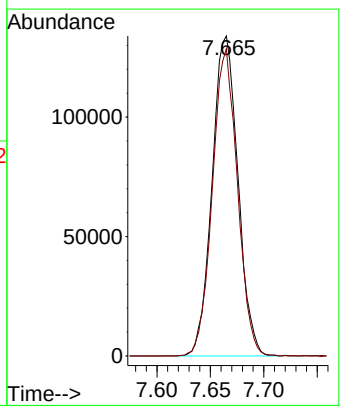


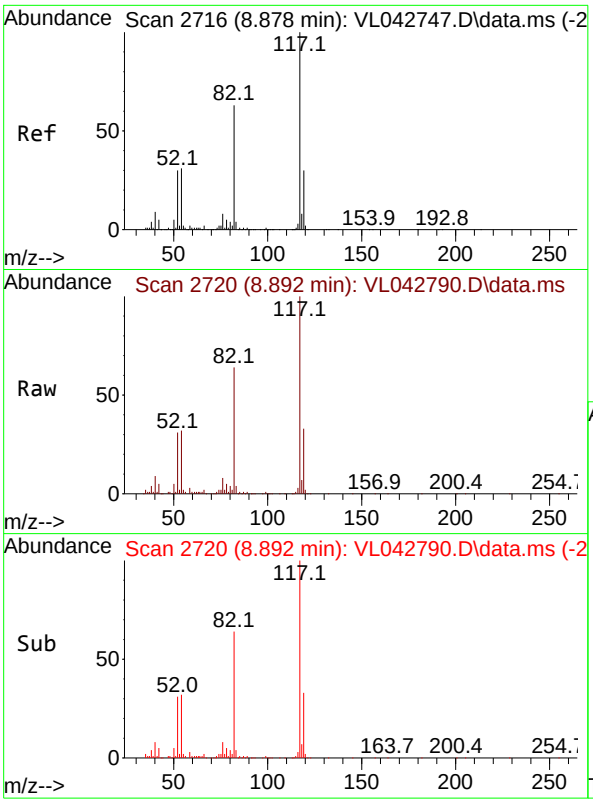


#54
1,2-Dibromoethane
Concen: 10.928 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:107 Resp: 225399

Ion	Ratio	Lower	Upper
107	100		
109	95.9	72.7	109.1



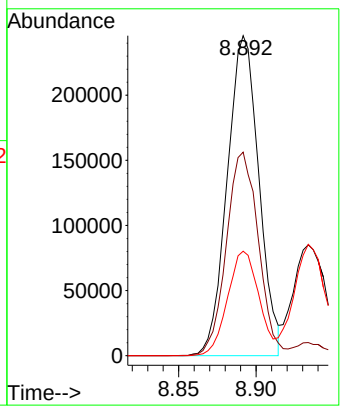


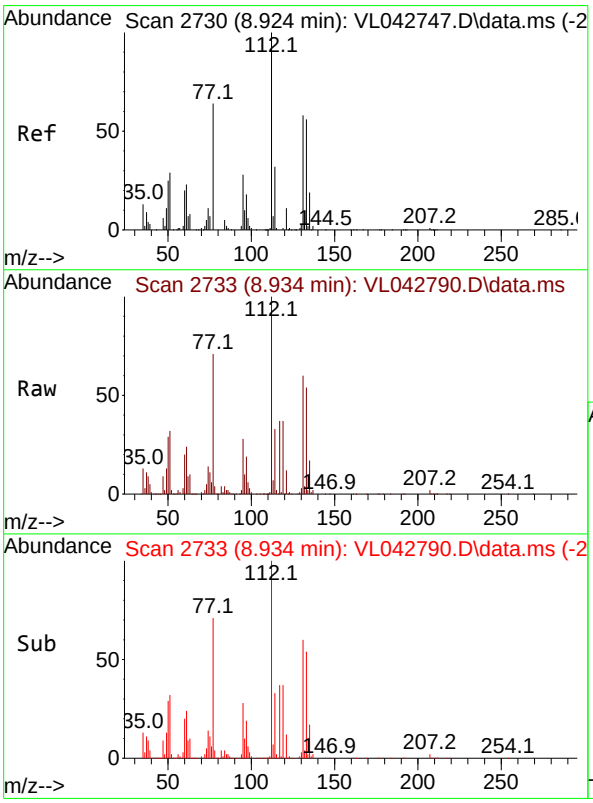
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:117 Resp: 349880

Ion	Ratio	Lower	Upper
117	100		
82	68.2	53.3	79.9
119	32.9	25.8	38.6

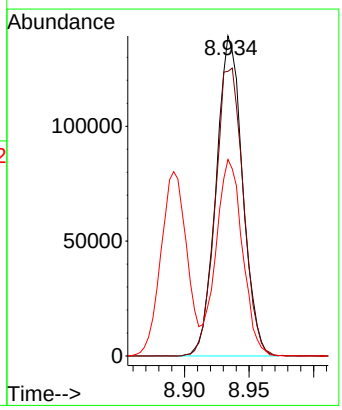


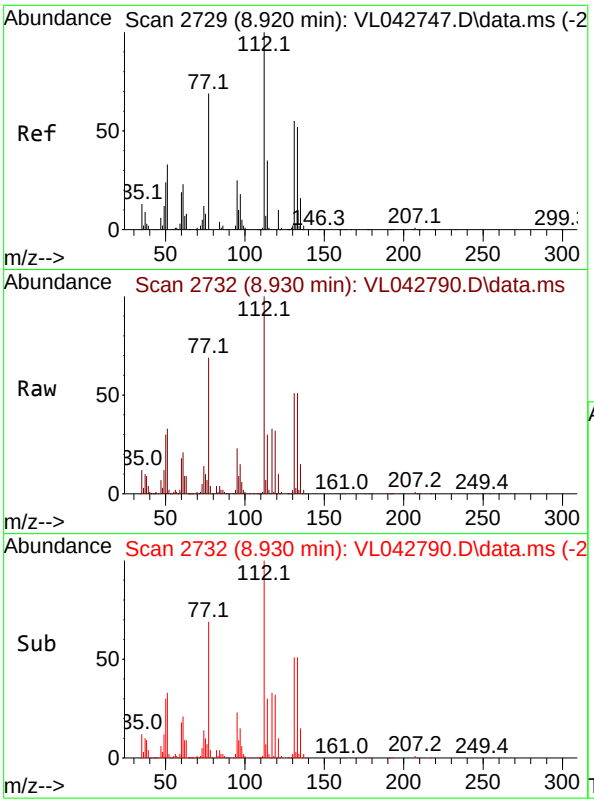


#56
1,1,1,2-Tetrachloroethane
Concen: 10.906 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:131 Resp: 198394

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.8	115.2
119	62.0	49.7	74.5



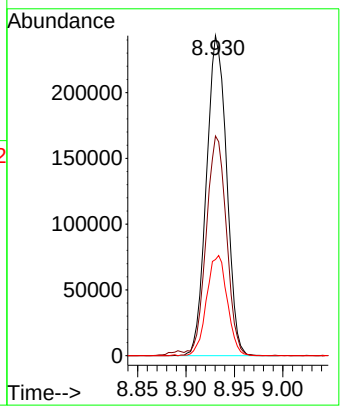


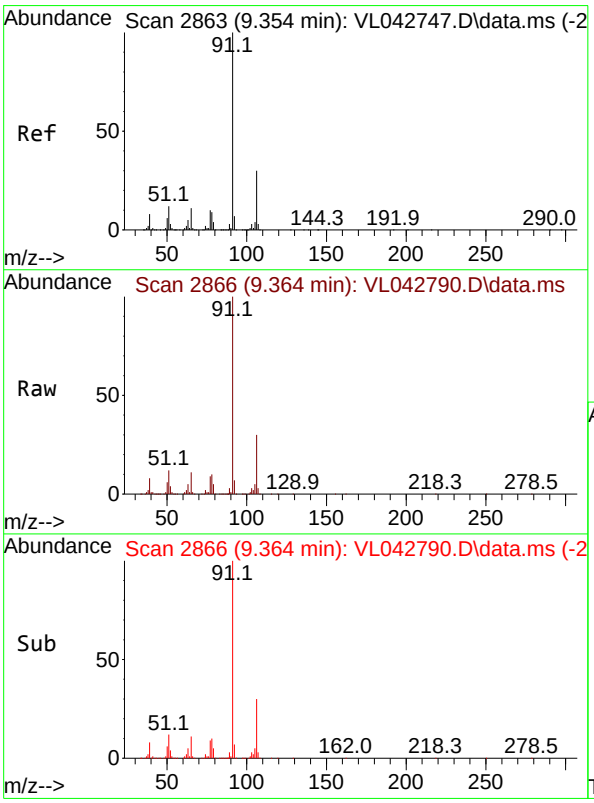
#57
Chlorobenzene
Concen: 10.386 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:112 Resp: 351678

Ion	Ratio	Lower	Upper
112	100		
77	68.6	56.4	84.6
114	30.0	31.2	38.2#

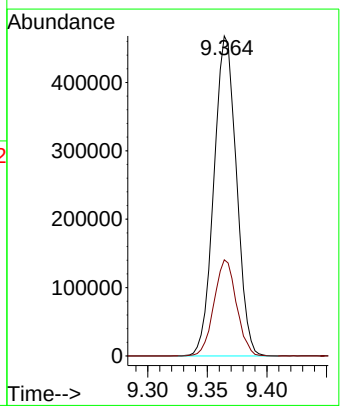


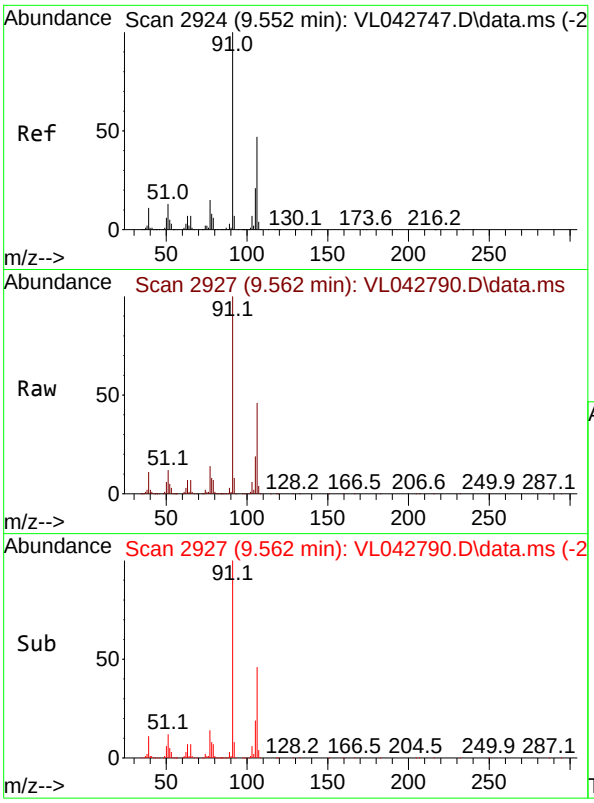


#58
Ethyl Benzene
Concen: 11.121 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 614495

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



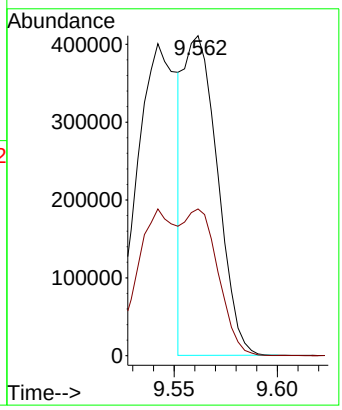


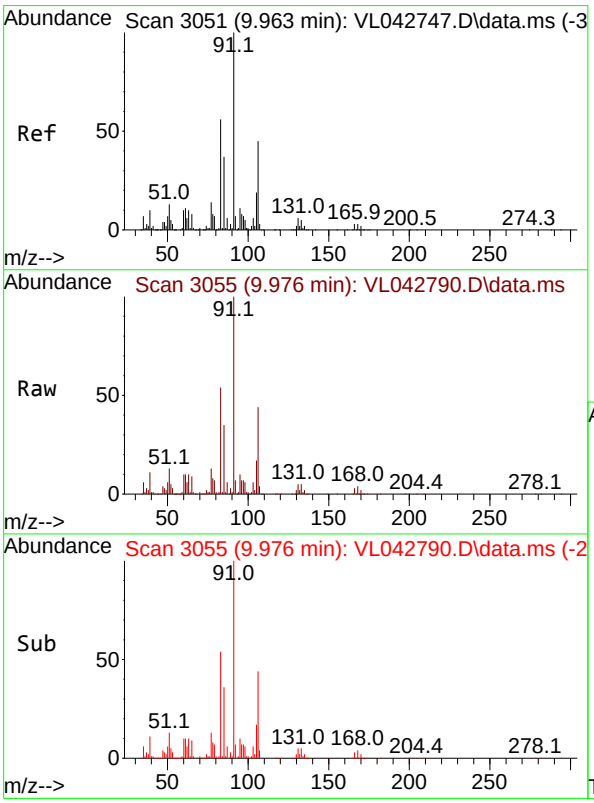
#59
m/p-Xylene
Concen: 10.516 ppbv
RT: 9.562 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 91 Resp: 464380

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

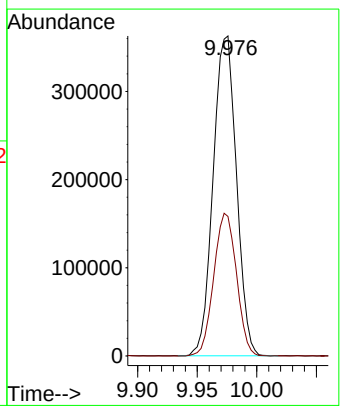


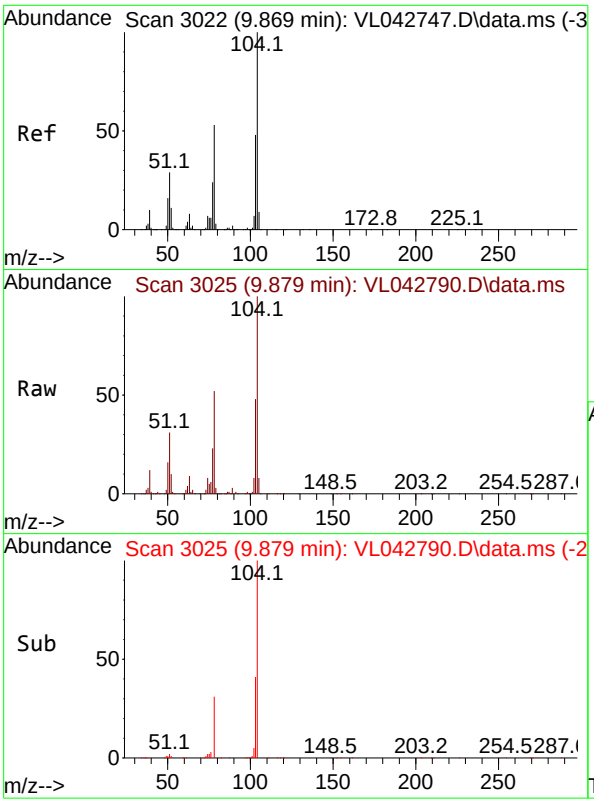


#60
o-Xylene
Concen: 11.188 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 493686

Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.0	66.0



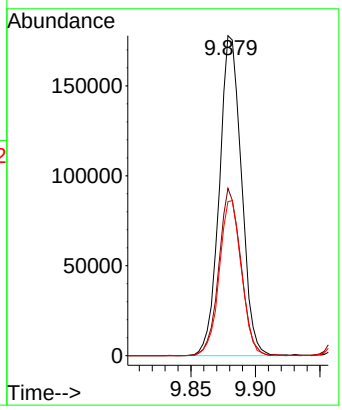


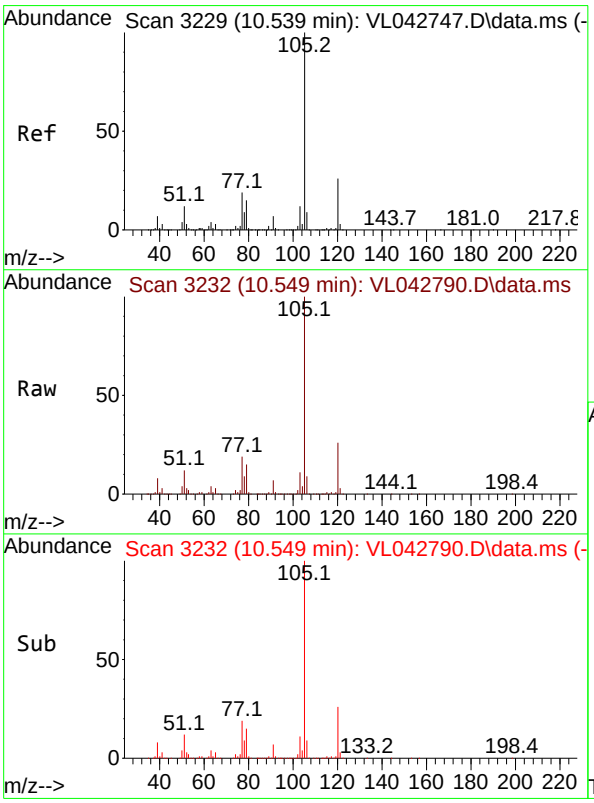
#61
Styrene
Concen: 11.406 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:104 Resp: 211712

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	48.8	37.5	56.3

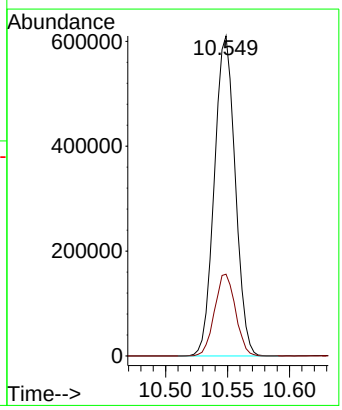


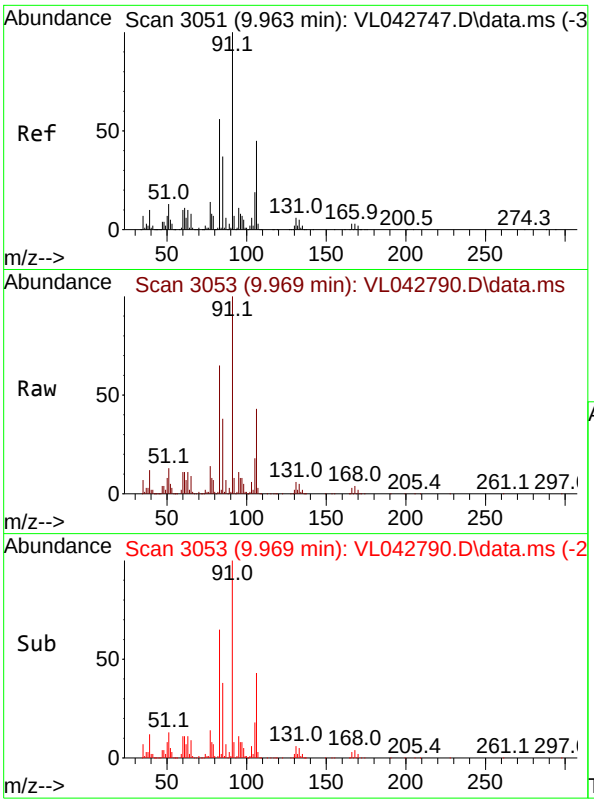


#62
Isopropylbenzene
Concen: 11.007 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 716413

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



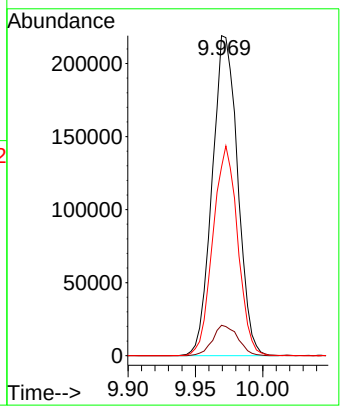


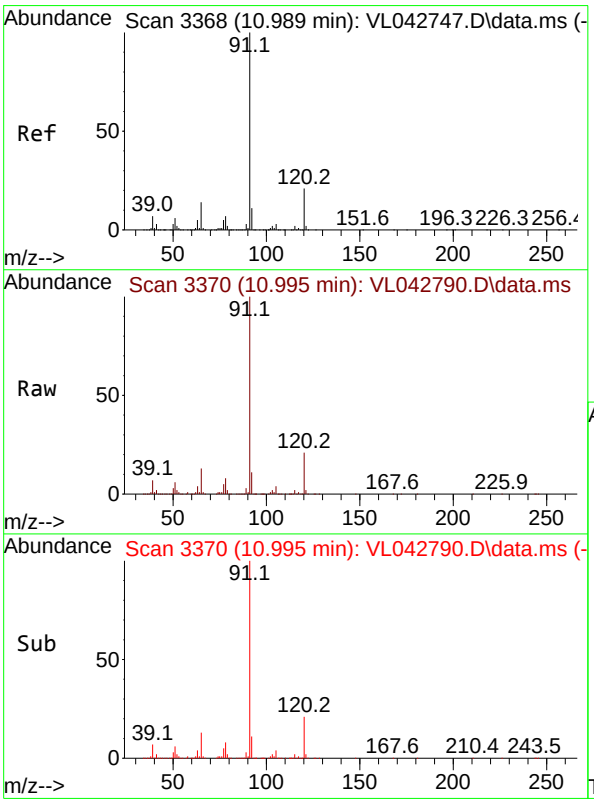
#63
1,1,2,2-Tetrachloroethane
Concen: 10.176 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 83 Resp: 288264

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.7	32.6	97.7

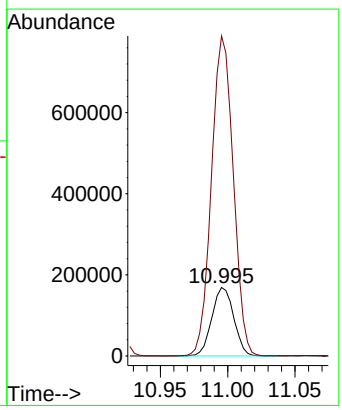


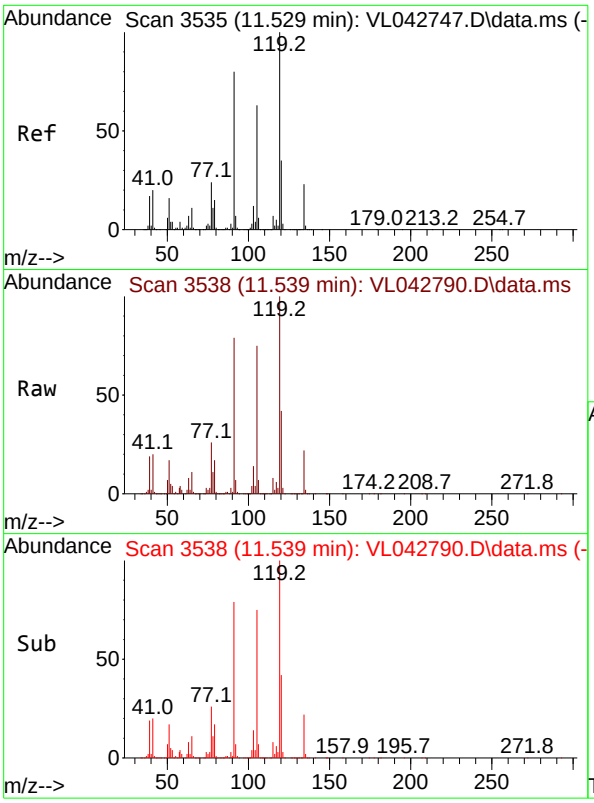


#64
n-propylbenzene
Concen: 11.237 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:120 Resp: 190663

Ion	Ratio	Lower	Upper
120	100		
91	466.1	372.7	559.1



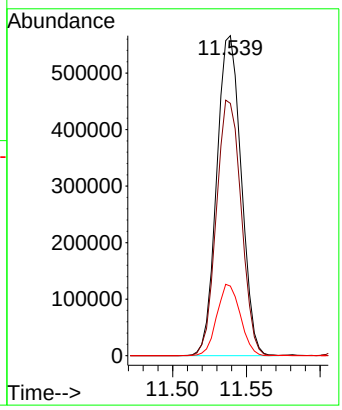


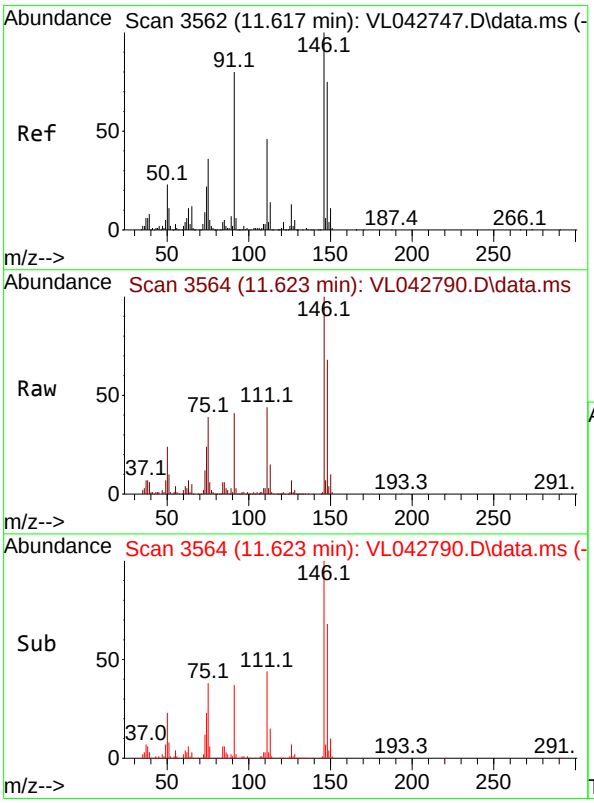
#65
tert-Butylbenzene
Concen: 11.322 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:119 Resp: 654563

Ion	Ratio	Lower	Upper
119	100		
91	81.1	64.0	96.0
134	21.3	17.3	25.9

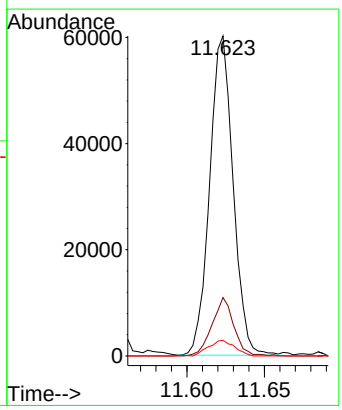


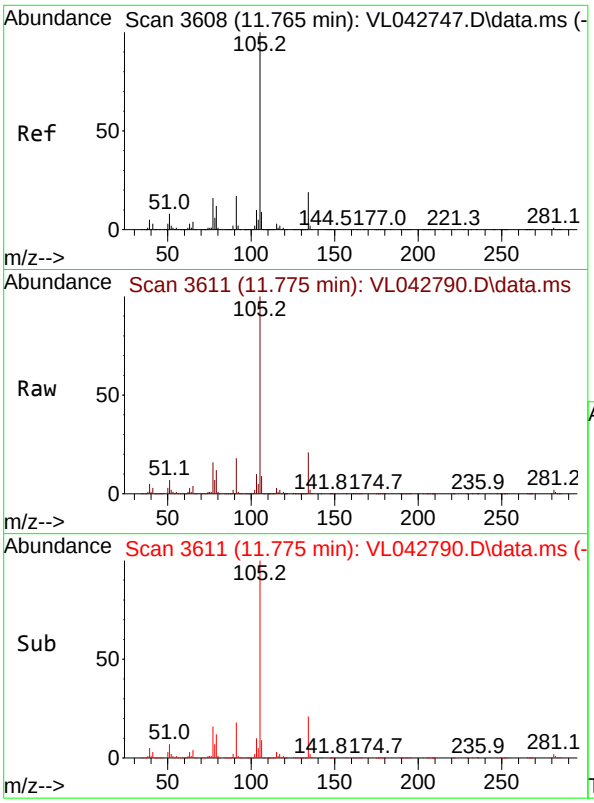


#66
Benzyl Chloride
Concen: 13.365 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 63429

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.4	21.6
128	5.5	5.2	7.8



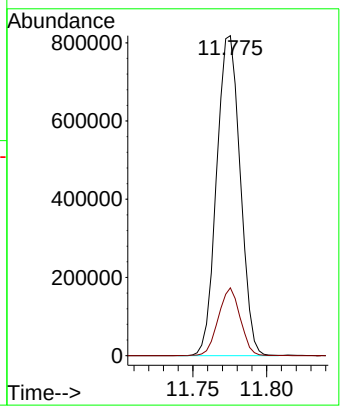


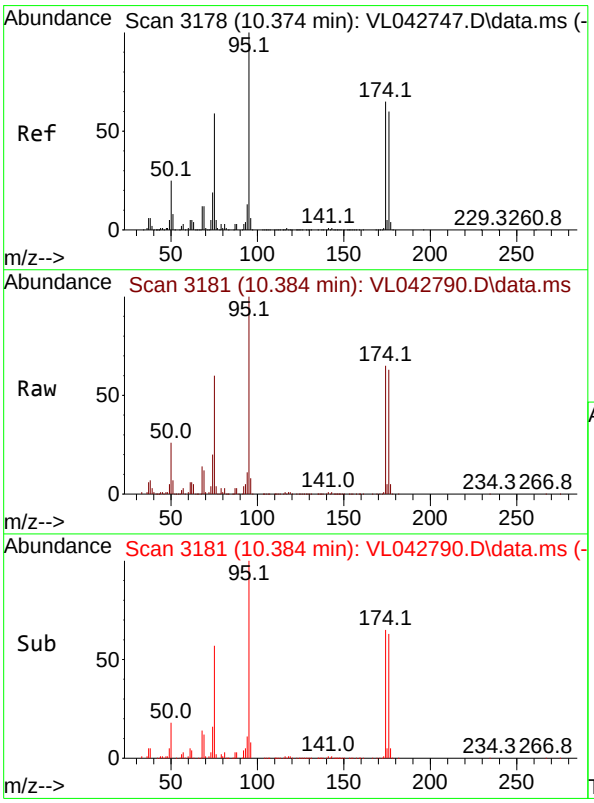
#67
sec-Butylbenzene
Concen: 11.065 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:105 Resp: 909814

Ion	Ratio	Lower	Upper
105	100		
134	19.7	15.5	23.3

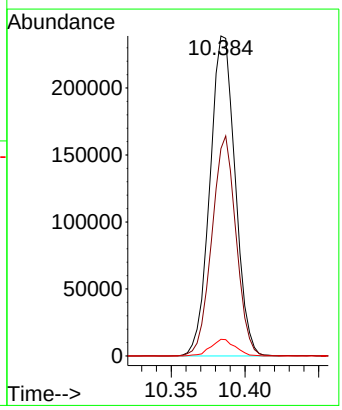


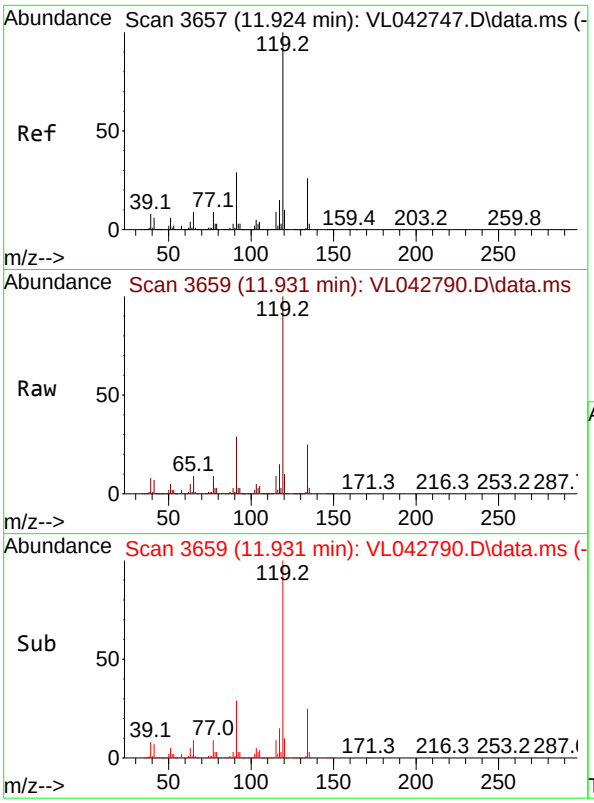


#68
1-Bromo-4-Fluorobenzene
Concen: 10.254 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 95 Resp: 284130

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	5.1	4.0	6.0



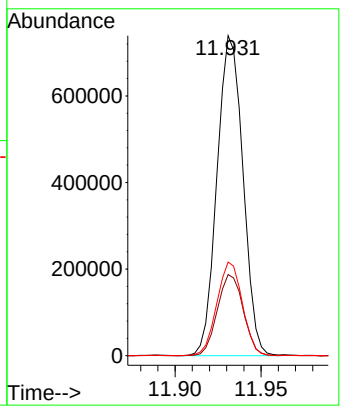


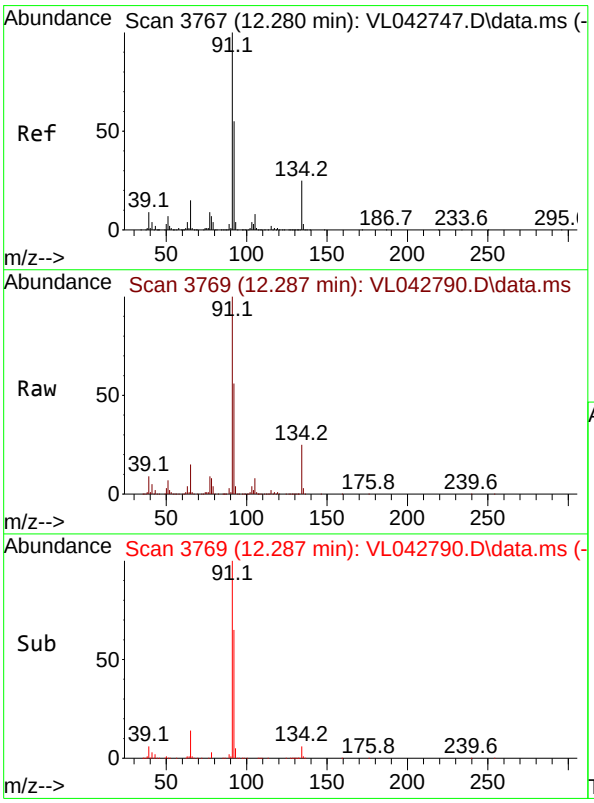
#69
p-Isopropyltoluene
Concen: 11.553 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:119 Resp: 774561

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	31.0
91	29.0	23.2	34.8

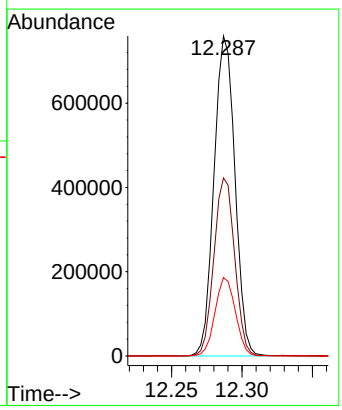


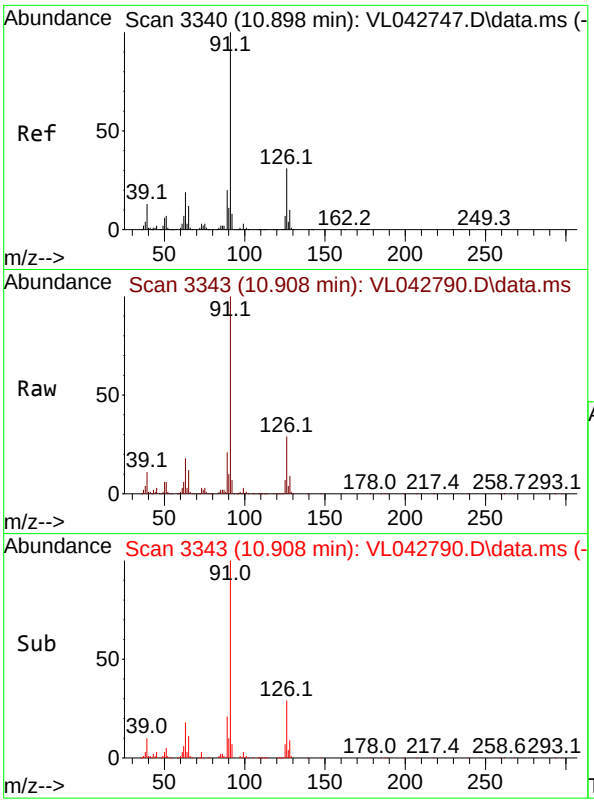


#70
n-Butylbenzene
Concen: 12.130 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 785569

Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.4	65.2
134	23.9	19.6	29.4



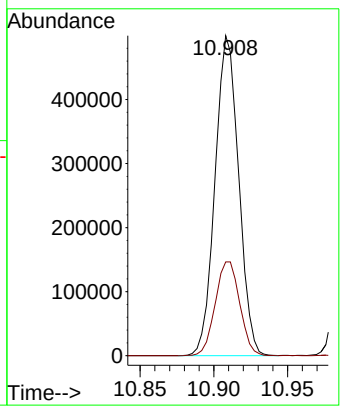


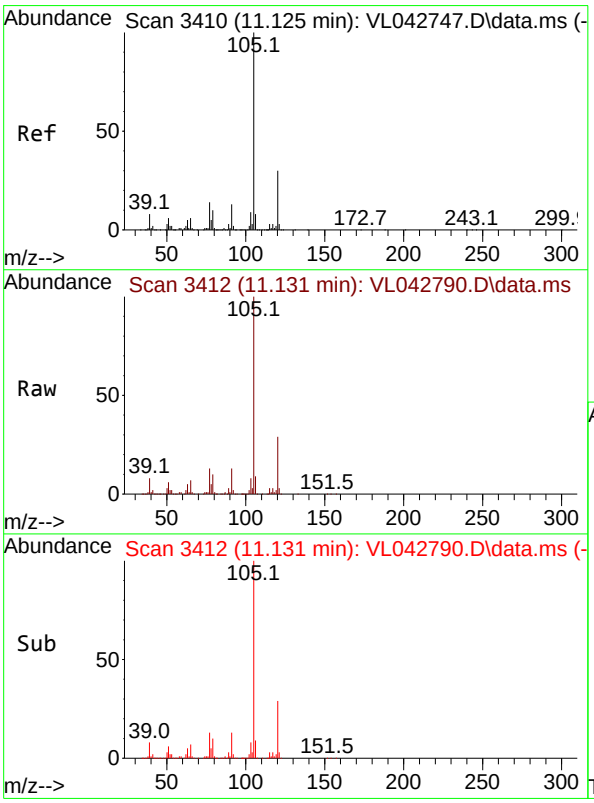
#71
2-Chlorotoluene
Concen: 11.153 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 91 Resp: 556610

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2

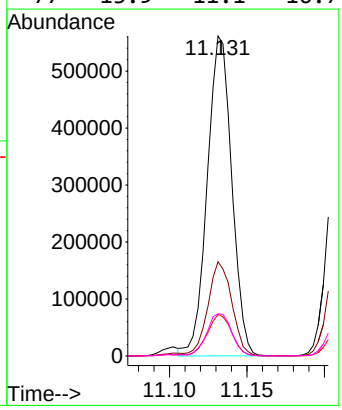


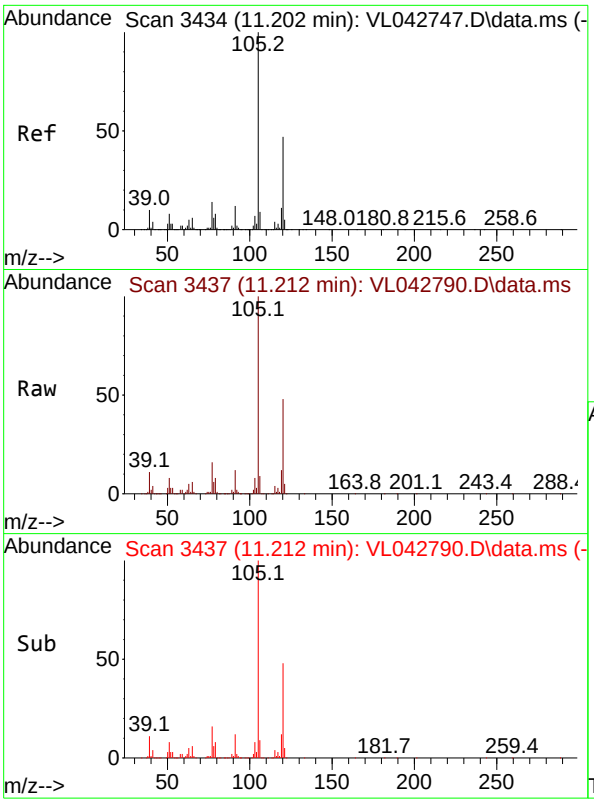


#72
4-Ethyltoluene
Concen: 11.729 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 618091

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.4	36.6
91	13.3	10.6	15.8
77	13.9	11.1	16.7



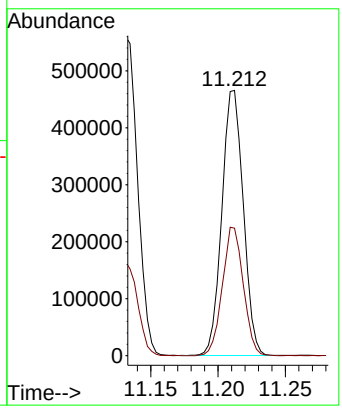


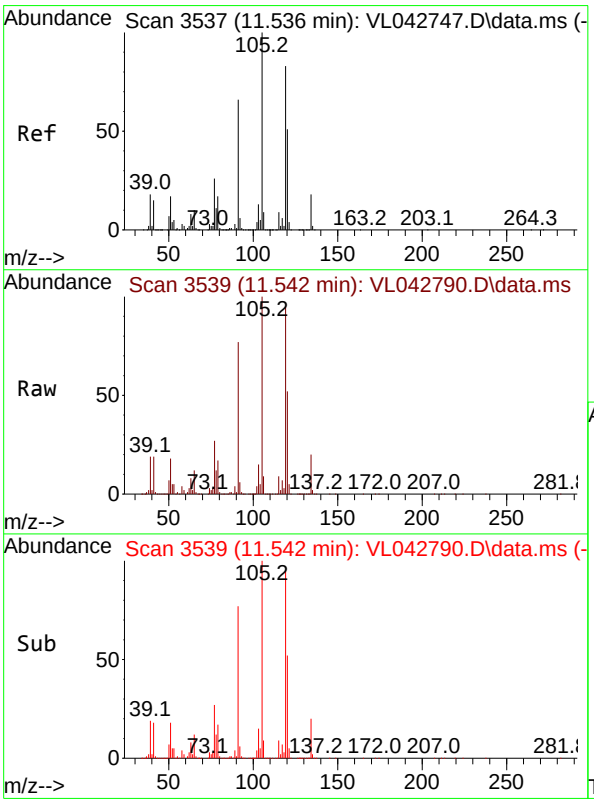
#73
1,3,5-Trimethylbenzene
Concen: 11.871 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:105 Resp: 515043

Ion	Ratio	Lower	Upper
105	100		
120	48.1	37.8	56.8

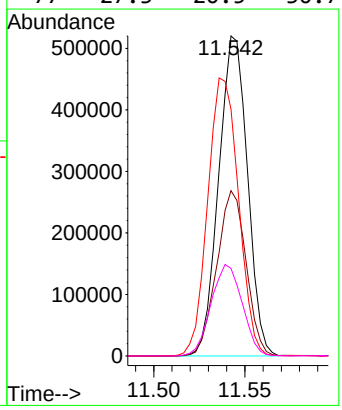


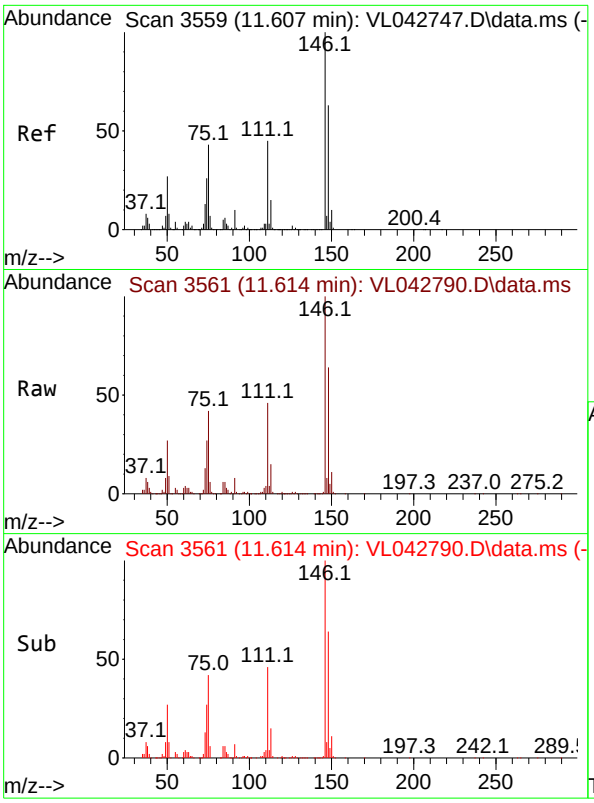


#74
1,2,4-Trimethylbenzene
Concen: 12.057 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 570715

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.8	61.2
91	77.0	53.0	79.4
77	27.3	20.5	30.7



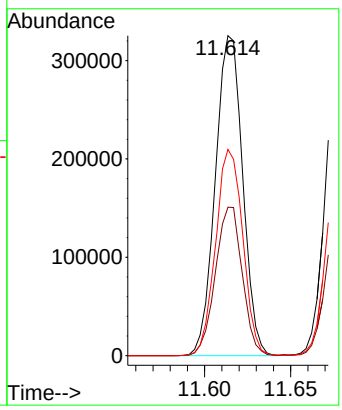


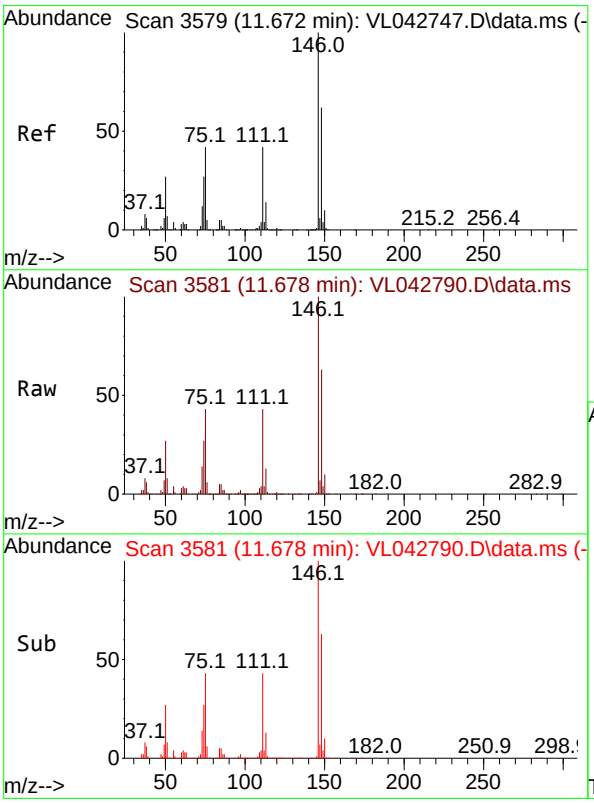
#75
1,3-Dichlorobenzene
Concen: 10.852 ppbv
RT: 11.614 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:146 Resp: 360095

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.0
148	64.0	31.9	95.5

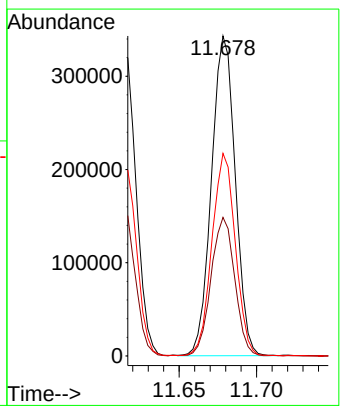


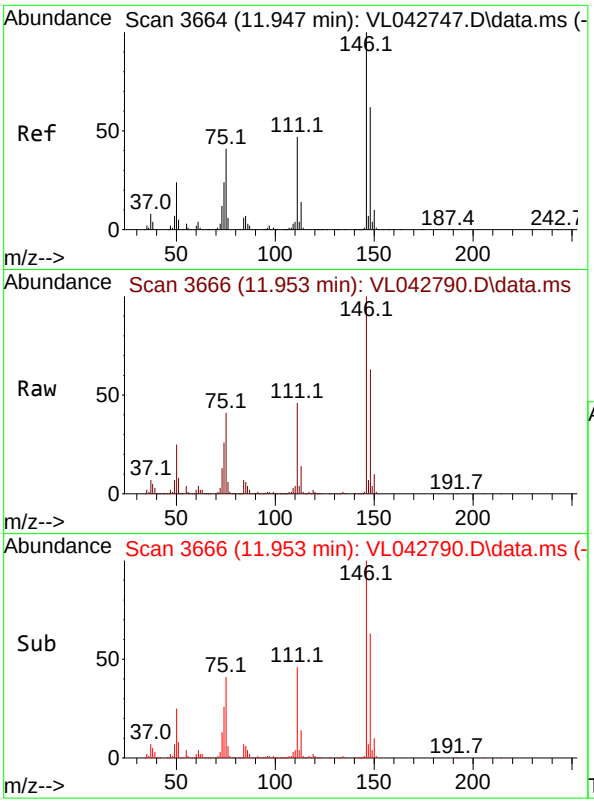


#76
1,4-Dichlorobenzene
Concen: 11.273 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:146 Resp: 366048

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.2
148	62.6	32.1	96.3



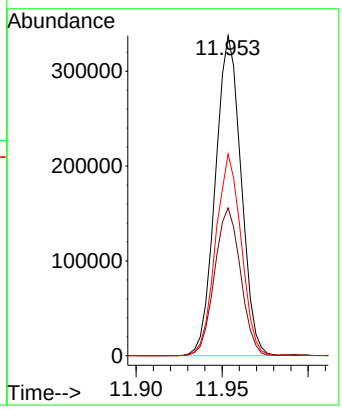


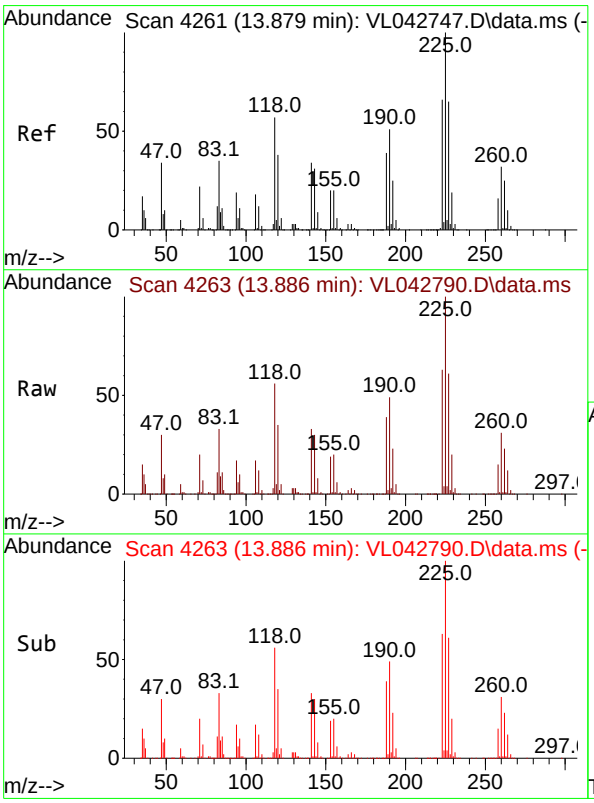
#77
1,2-Dichlorobenzene
Concen: 10.770 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:146 Resp: 351242

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.7	71.1
148	62.8	32.6	97.7

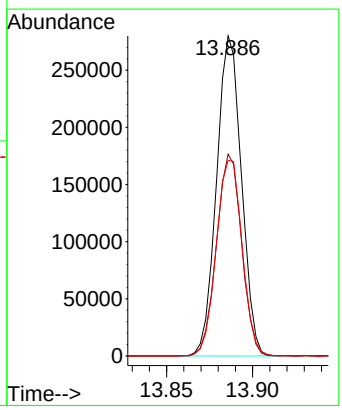


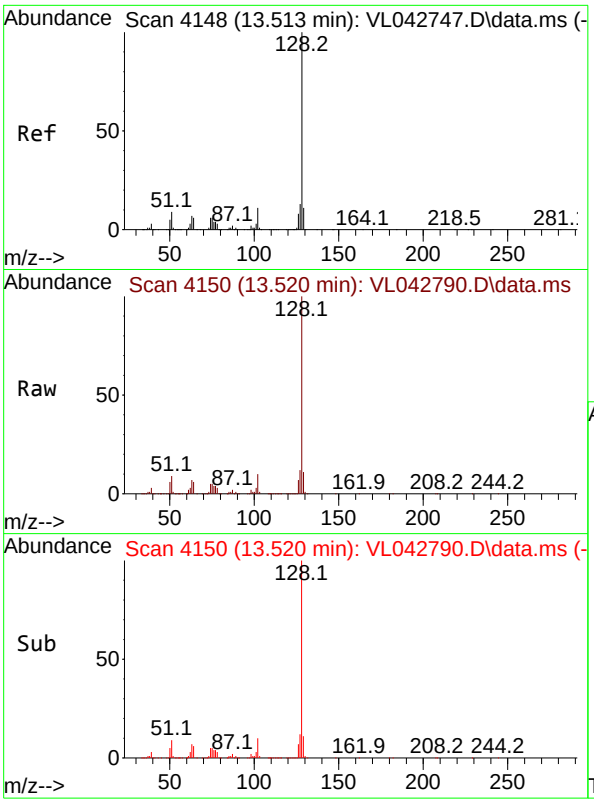


#78
Hexachloro-1,3-Butadiene
Concen: 9.538 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:225 Resp: 281564

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.7	76.1
227	63.9	50.5	75.7



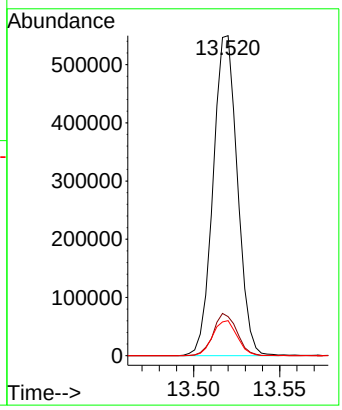


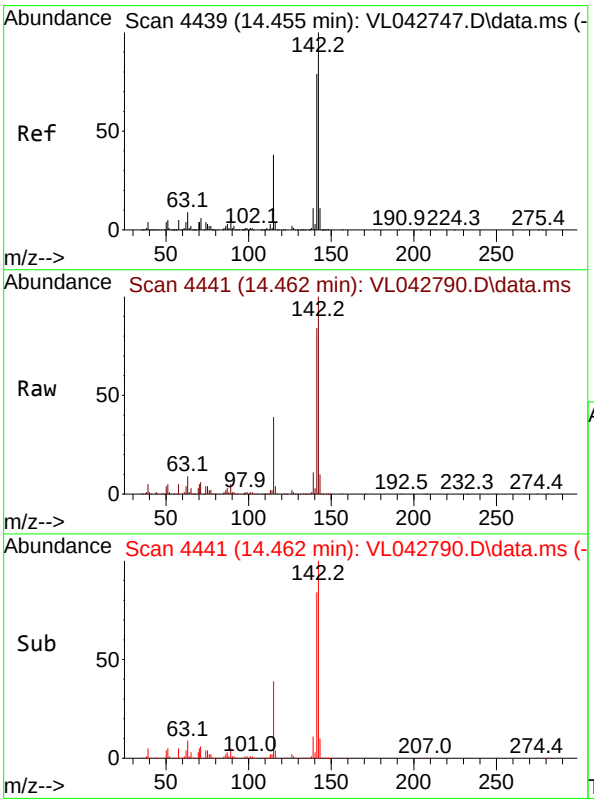
#79
Naphthalene
Concen: 10.494 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:128 Resp: 540121

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	10.9	8.6	13.0

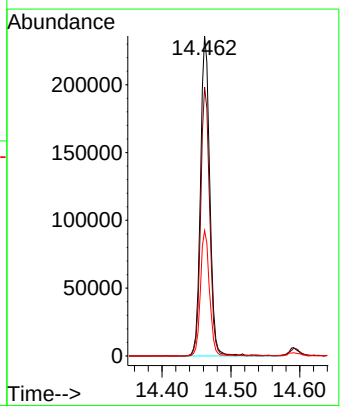


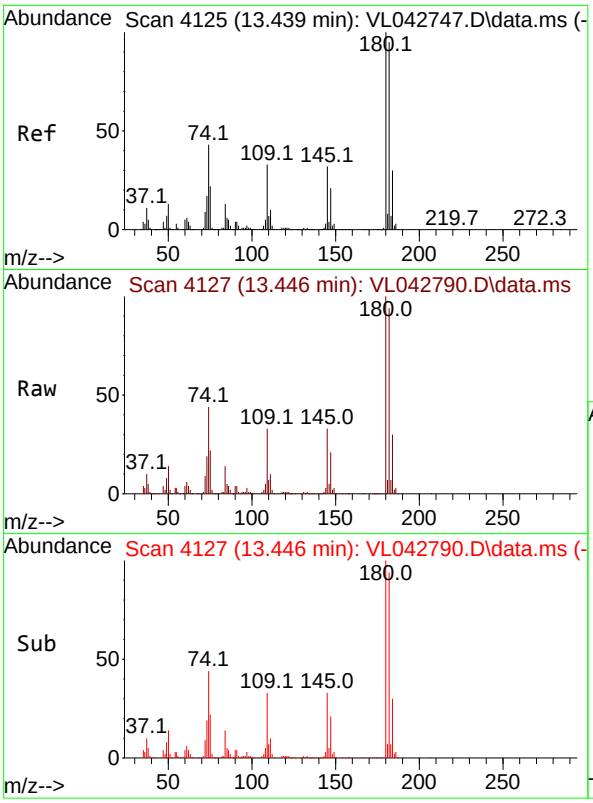


#80
Naphthalene,2-methyl-
Concen: 8.786 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:142 Resp: 221690

Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.8	98.8
115	38.3	31.2	46.8



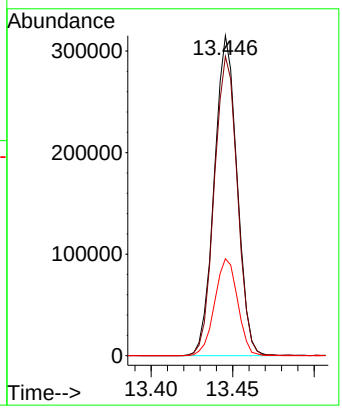


#81
1,2,4-Trichlorobenzene
Concen: 10.565 ppbv
RT: 13.446 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:180 Resp: 305698

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	30.5	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	143361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	385270	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347681	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	285966	10.386	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	183911	9.703	ppbv	98
3) Chlorodifluoromethane	1.476	51	250299	10.137	ppbv	99
4) Chloromethane	1.534	50	70831	9.237	ppbv	97
5) Vinyl Chloride	1.580	62	63417	8.370	ppbv	98
6) Bromomethane	1.670	94	26564	9.069	ppbv	92
7) Chloroethane	1.706	64	25813	8.818	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	145635	9.343	ppbv	99
9) Propene	1.482	41	67742	7.549	ppbv	90
10) Heptane	4.988	43	256581	10.604	ppbv	98
11) Trichlorofluoromethane	1.877	101	175951	9.005	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139531	9.398	ppbv	99
13) Ethanol	1.722	45	6169	8.289	ppbv	96
14) Bromoethene	1.783	108	47516	9.039	ppbv	97
15) Acetone	1.835	43	145544	7.352	ppbv	99
16) 1,3-Butadiene	1.609	39	75425	8.933	ppbv	100
17) tert-Butyl alcohol	2.042	59	157530	8.823	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59735	8.904	ppbv	92
19) Isopropyl Alcohol	1.887	45	89890	8.545	ppbv	94
20) Methylene Chloride	2.062	84	53184	8.525	ppbv	92
21) Allyl Chloride	2.097	41	113975	9.342	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	66660	9.237	ppbv	90
23) Vinyl Acetate	2.463	43	267217	11.134	ppbv	99
24) 1,1-Dichloroethane	2.411	63	136610	9.222	ppbv	99
25) Ethyl Acetate	2.839	43	450028	10.270	ppbv	99
26) Hexane	2.829	57	193724	10.078	ppbv	98
27) Carbon Disulfide	2.152	76	164945	10.023	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	81968	9.026	ppbv	99
29) Chloroform	2.852	83	302251	10.176	ppbv	100
30) Cyclohexane	3.865	84	158206	9.705	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	189601	9.599	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	297175	9.605	ppbv	98
34) 2-Butanone	2.560	43	293015	10.737	ppbv	100
35) Carbon Tetrachloride	3.768	117	315193	11.014	ppbv	97
36) Benzene	3.661	78	389839	10.677	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236593	10.756	ppbv	100
38) Trichloroethene	4.557	130	174966	9.974	ppbv	97
39) 1,2-Dichloropropane	4.318	63	144769	10.741	ppbv	99
40) 1,4-Dioxane	4.590	88	61985	9.866	ppbv #	97
41) Tetrahydrofuran	3.059	42	157948	11.374	ppbv	97
42) Bromodichloromethane	4.496	83	324724	11.336	ppbv	98
43) Methyl Methacrylate	4.887	69	147145	11.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	673176	11.311	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	159751	10.976	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

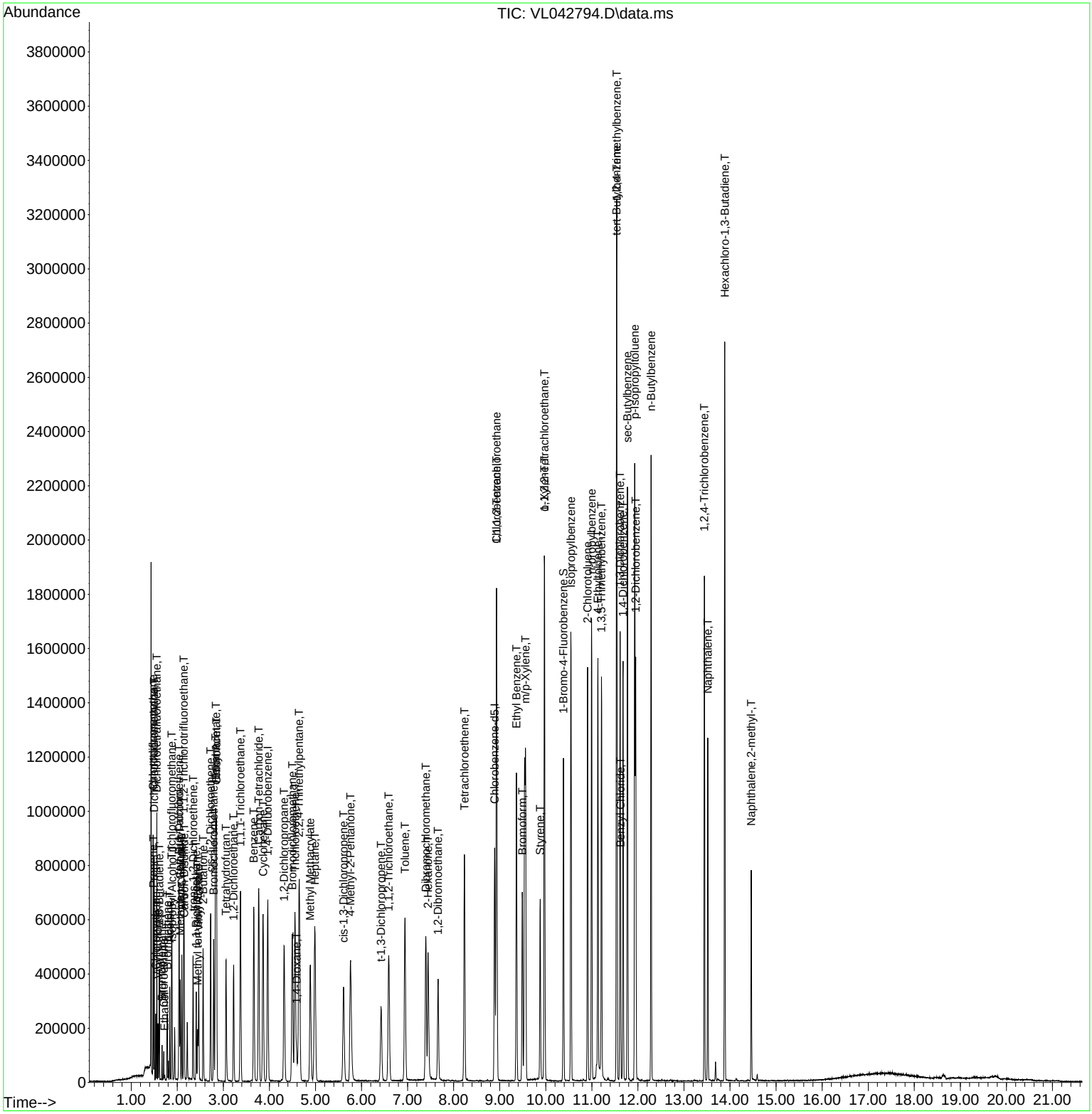
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	205816	11.160	ppbv		97
47) 1,1,2-Trichloroethane	6.590	97	156216	10.873	ppbv		98
48) Dibromochloromethane	7.396	129	262522	11.510	ppbv		99
49) Bromoform	9.493	173	234893	11.811	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	403132	11.467	ppbv		98
51) 2-Hexanone	7.441	43	322822	12.152	ppbv	#	98
52) Tetrachloroethene	8.234	164	144051	9.518	ppbv		94
53) Toluene	6.943	91	436601	11.135	ppbv		99
54) 1,2-Dibromoethane	7.661	107	226779	11.172	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.930	131	199484	11.035	ppbv		99
57) Chlorobenzene	8.930	112	353946	10.519	ppbv		97
58) Ethyl Benzene	9.364	91	615615	11.212	ppbv		100
59) m/p-Xylene	9.558	91	510911	11.643	ppbv	#	30
60) o-Xylene	9.969	91	509306	11.615	ppbv		99
61) Styrene	9.878	104	217878	11.813	ppbv		99
62) Isopropylbenzene	10.545	105	731077	11.304	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290577	10.323	ppbv		99
64) n-propylbenzene	10.995	120	196210	11.637	ppbv		100
65) tert-Butylbenzene	11.535	119	656497	11.427	ppbv		99
66) Benzyl Chloride	11.623	91	64301	13.634	ppbv		99
67) sec-Butylbenzene	11.772	105	929357	11.374	ppbv		100
69) p-Isopropyltoluene	11.930	119	783925	11.766	ppbv		100
70) n-Butylbenzene	12.286	91	802758	12.474	ppbv		99
71) 2-Chlorotoluene	10.908	91	560672	11.306	ppbv		99
72) 4-Ethyltoluene	11.131	105	622768	11.893	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	522269	12.114	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	576097	12.248	ppbv		97
75) 1,3-Dichlorobenzene	11.613	146	370097	11.224	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	365448	11.326	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	357874	11.043	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	289316	9.863	ppbv		99
79) Naphthalene	13.516	128	552592	10.791	ppbv		99
80) Naphthalene,2-methyl-	14.461	142	210490	8.445	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	310917	10.803	ppbv		99

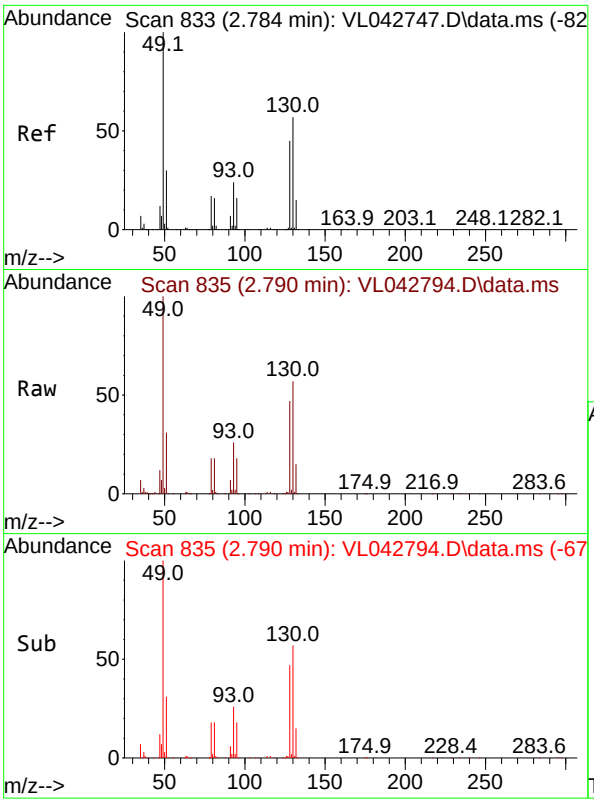
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042794.D
Acq On : 31 Jul 2025 13:55
Operator : SY/MD
Sample : VL0731ABSD01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Quant Time: Aug 01 01:15:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



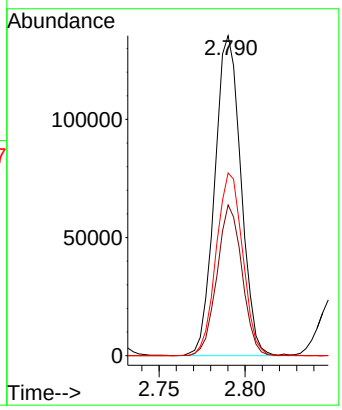


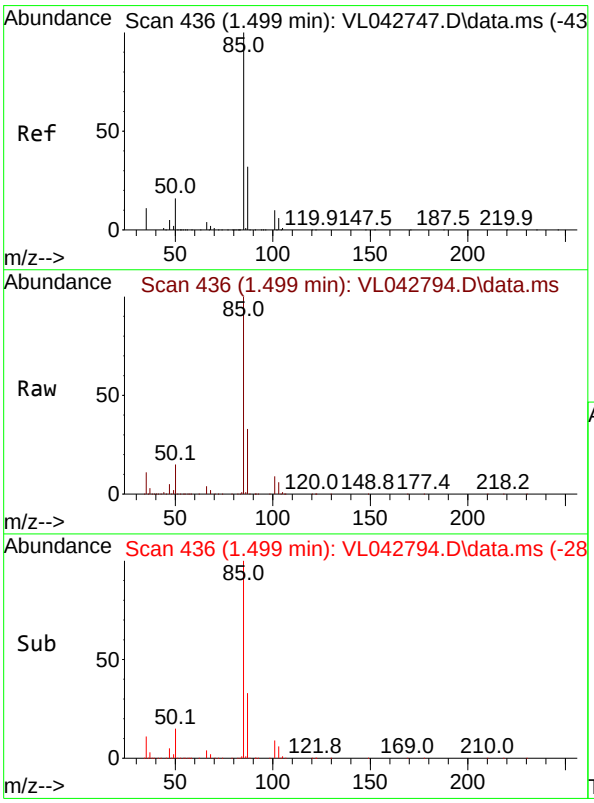
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 49 Resp: 143361

Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.6	71.0
130	57.8	30.3	90.8

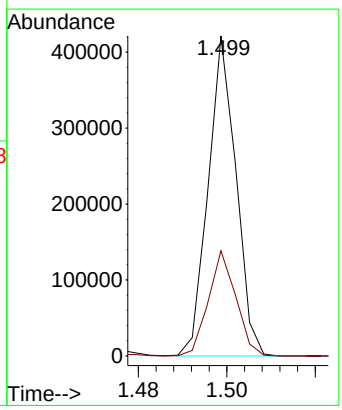


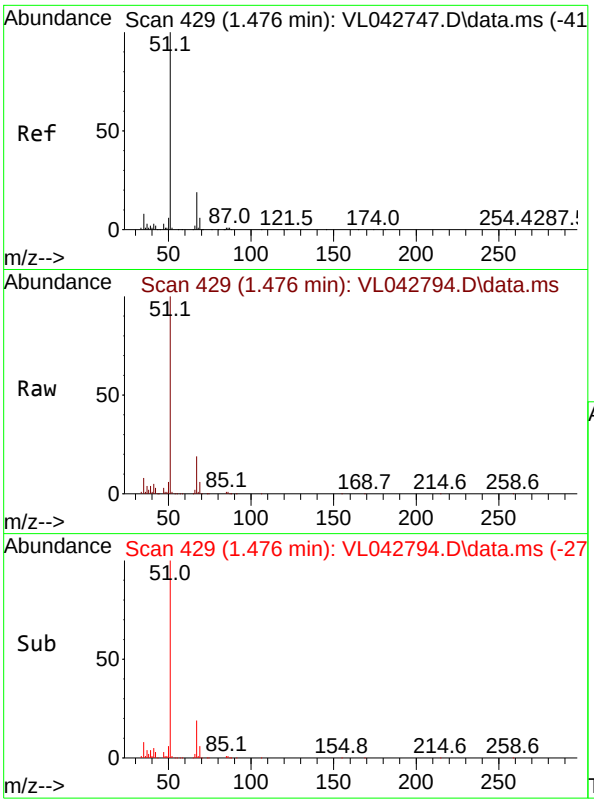


#2
Dichlorodifluoromethane
Concen: 9.703 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 183911

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.4	38.2



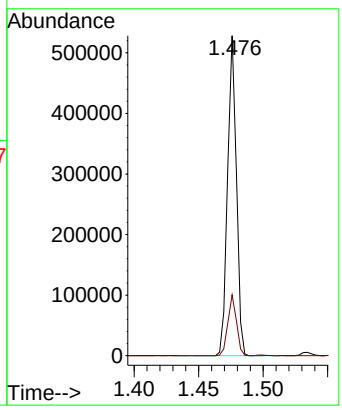


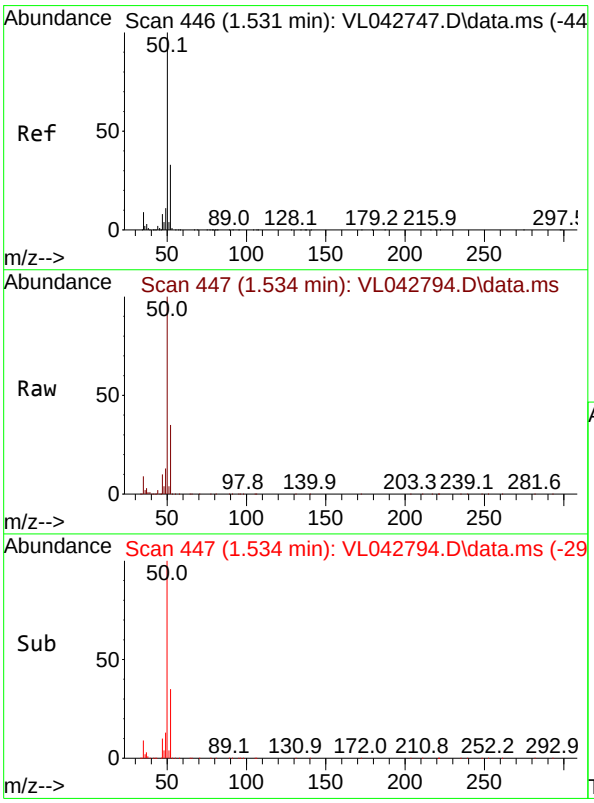
#3
Chlorodifluoromethane
Concen: 10.137 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 51 Resp: 250299

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.6

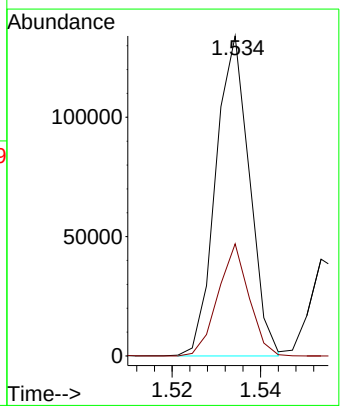


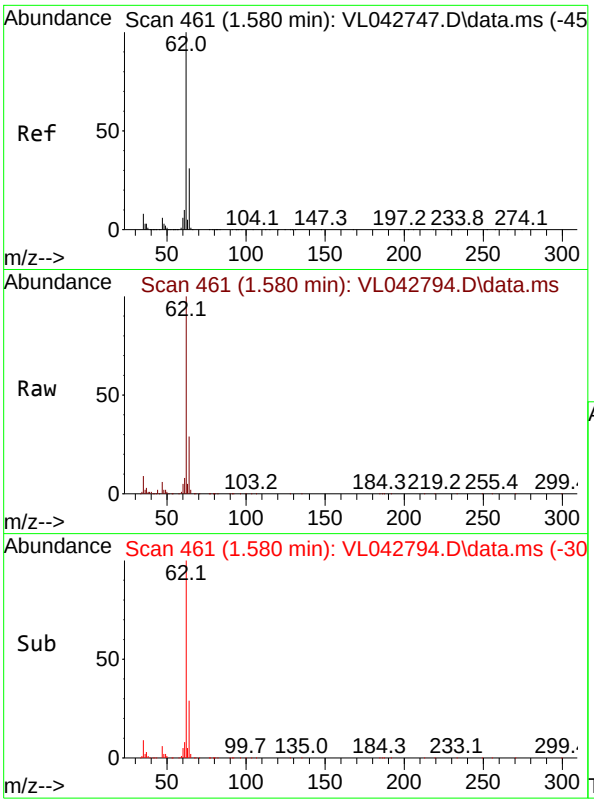


#4
Chloromethane
Concen: 9.237 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 50 Resp: 70831

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.6	40.0



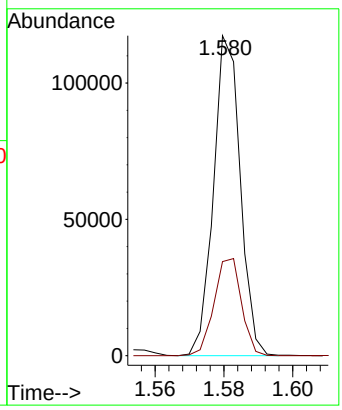


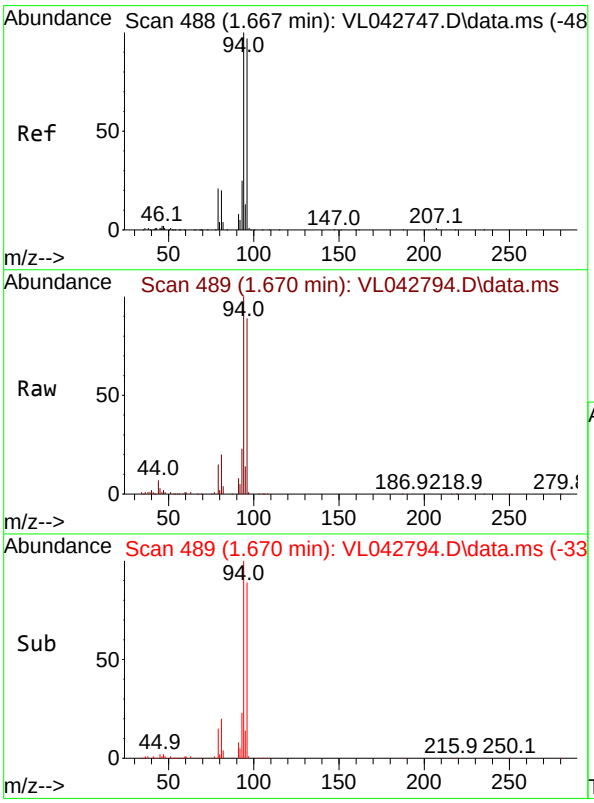
#5
Vinyl Chloride
Concen: 8.370 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 62 Resp: 63417

Ion	Ratio	Lower	Upper
62	100		
64	29.4	24.5	36.7

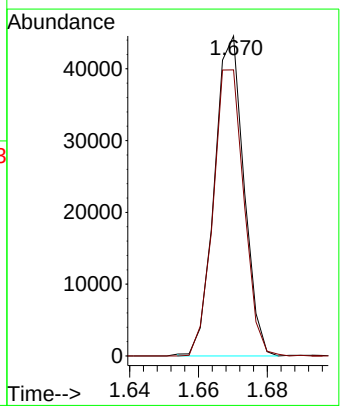


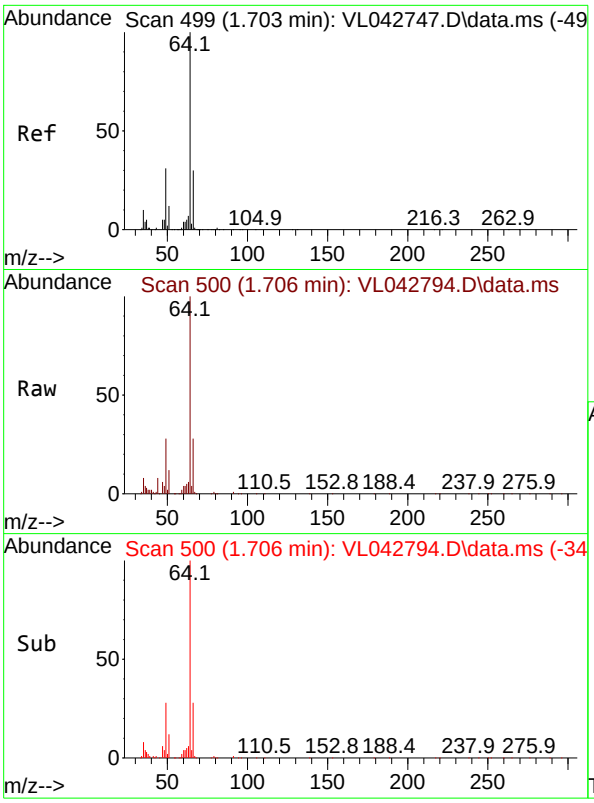


#6
Bromomethane
Concen: 9.069 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 94 Resp: 26564

Ion	Ratio	Lower	Upper
94	100		
96	89.4	77.6	116.4



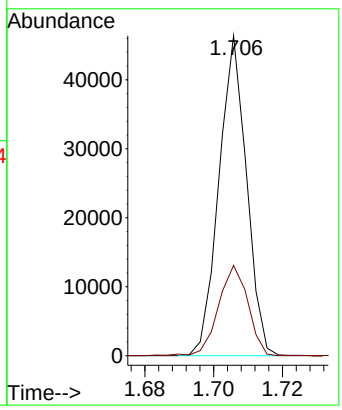


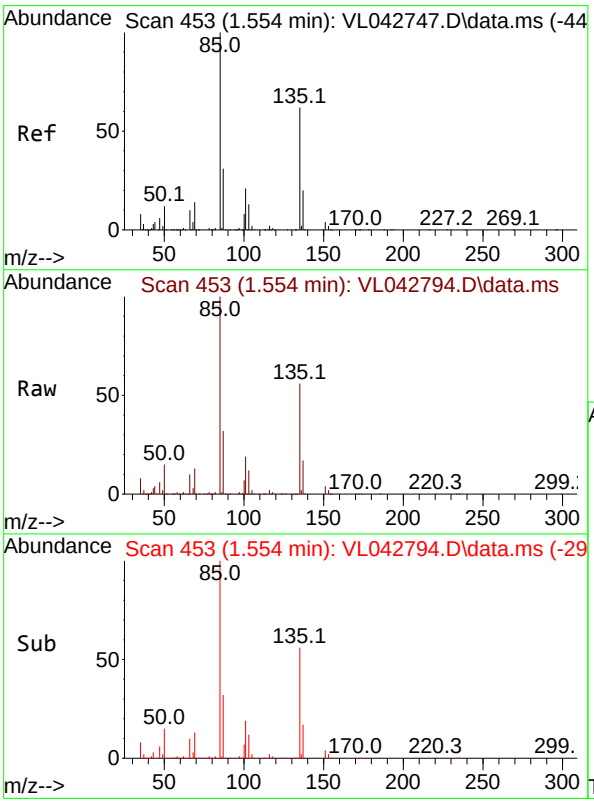
#7
Chloroethane
Concen: 8.818 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 64 Resp: 25813

Ion	Ratio	Lower	Upper
64	100		
66	28.2	24.1	36.1

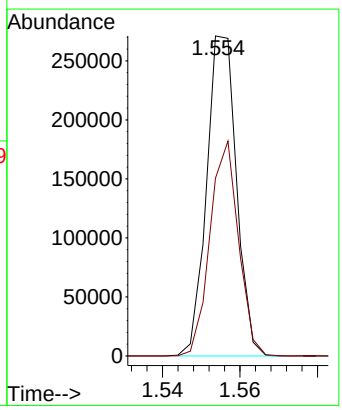


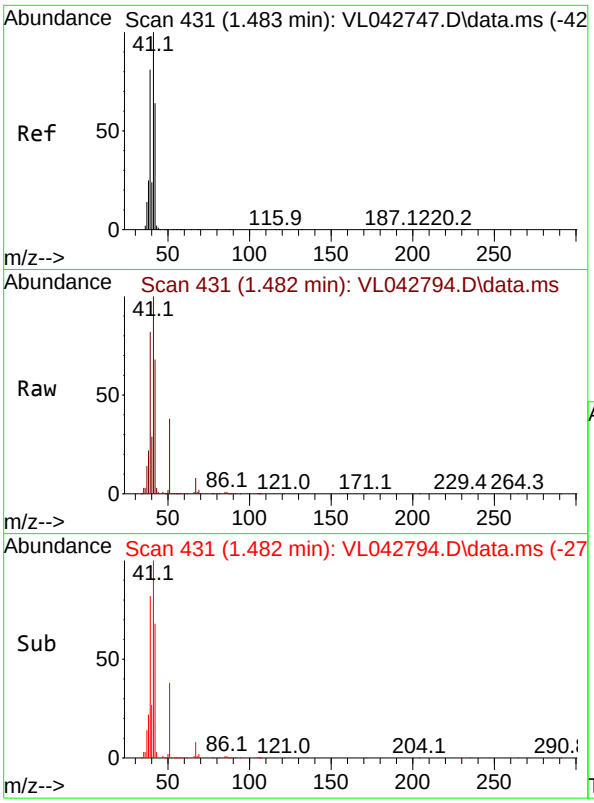


#8
Dichlorotetrafluoroethane
Concen: 9.343 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 85 Resp: 145635

Ion	Ratio	Lower	Upper
85	100		
135	64.1	50.6	76.0



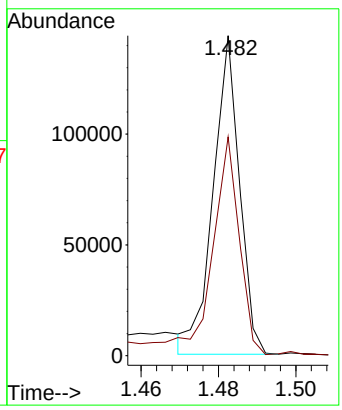


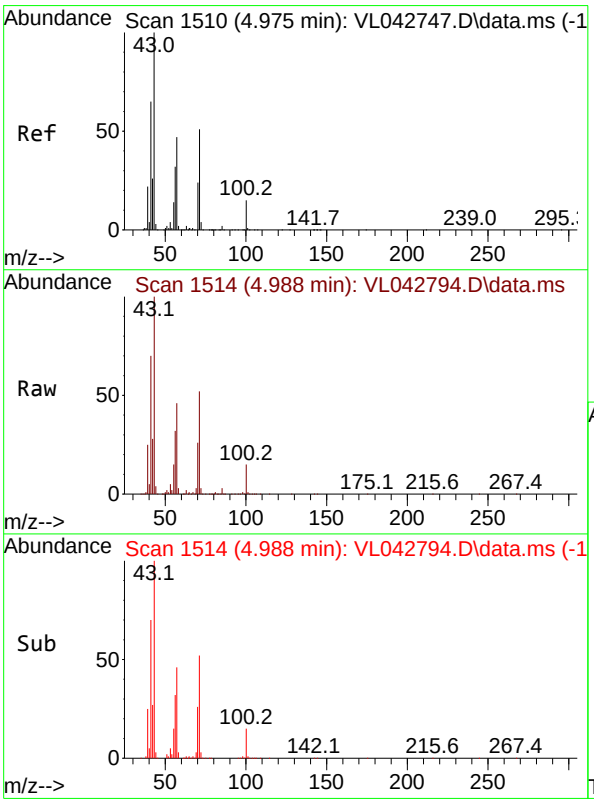
#9
Propene
Concen: 7.549 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 41 Resp: 67742

Ion	Ratio	Lower	Upper
41	100		
42	74.8	53.2	79.8

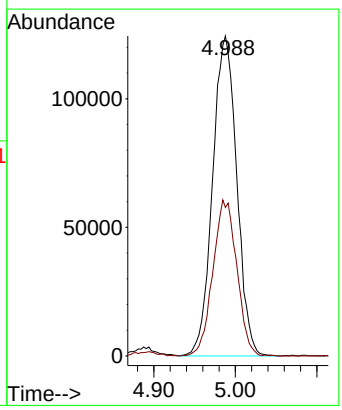


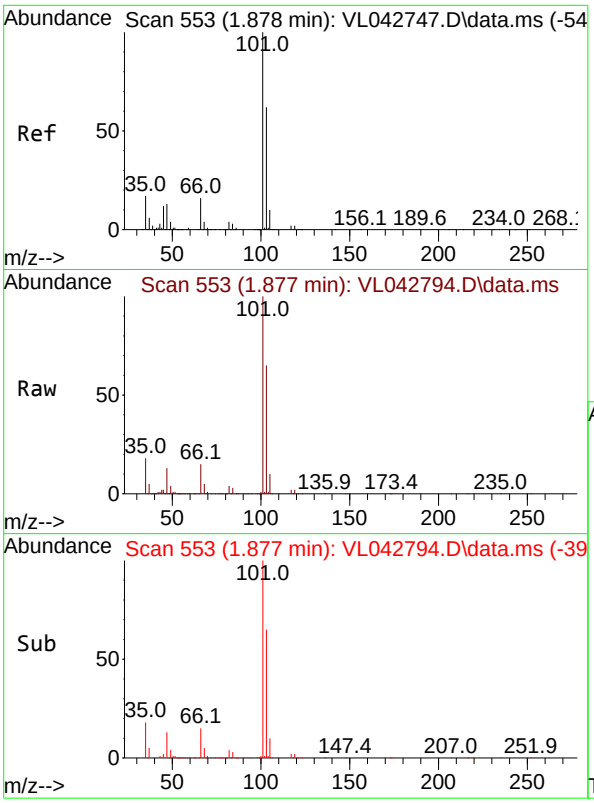


#10
Heptane
Concen: 10.604 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 256581

Ion	Ratio	Lower	Upper
43	100		
57	48.4	39.9	59.9



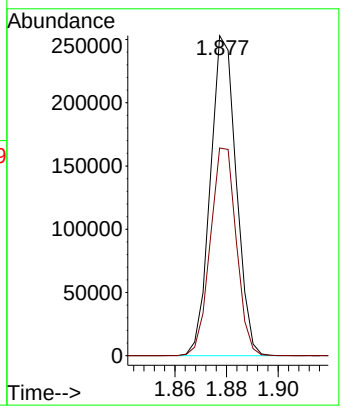


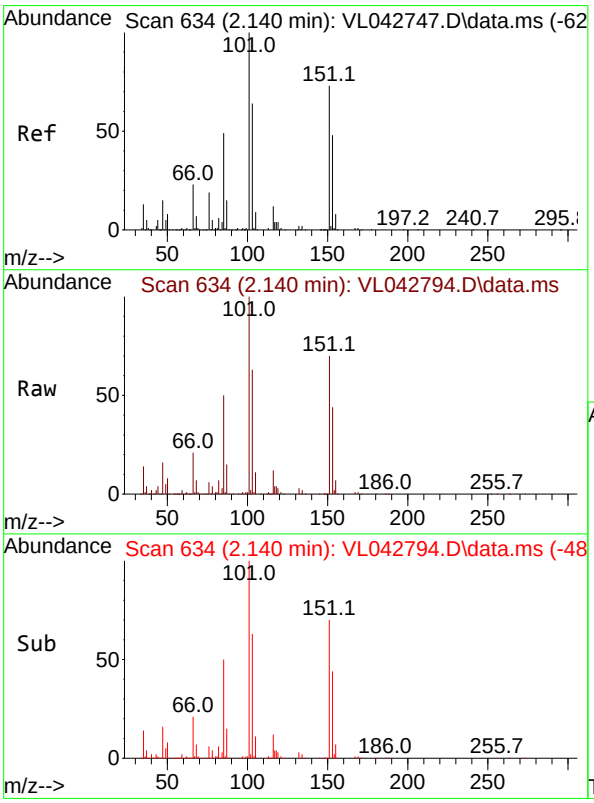
#11
Trichlorofluoromethane
Concen: 9.005 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:101 Resp: 175951

Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.6	74.4

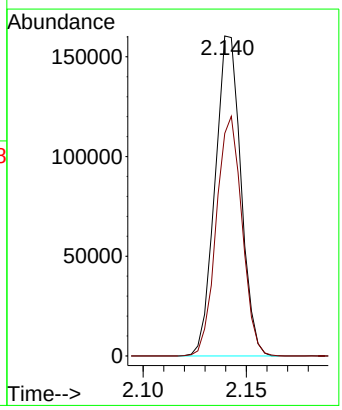


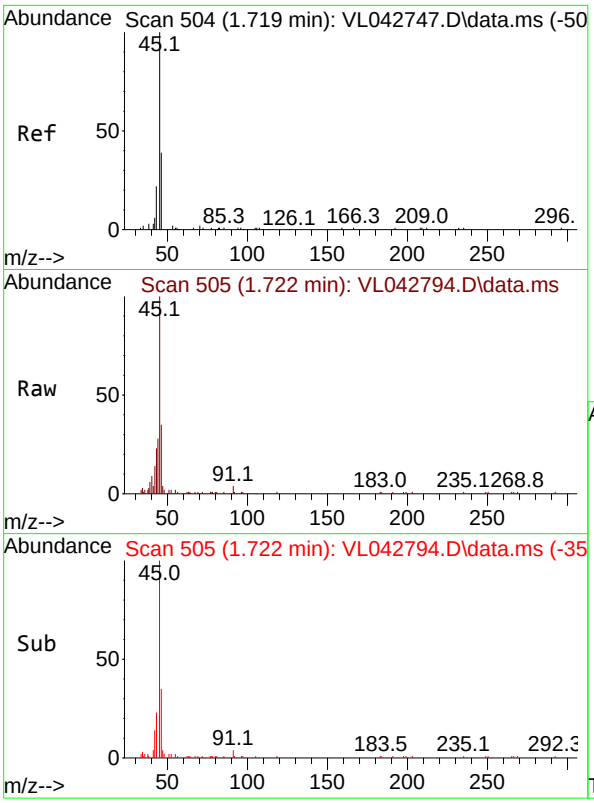


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.398 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:101 Resp: 139531

Ion	Ratio	Lower	Upper
101	100		
151	74.5	60.5	90.7



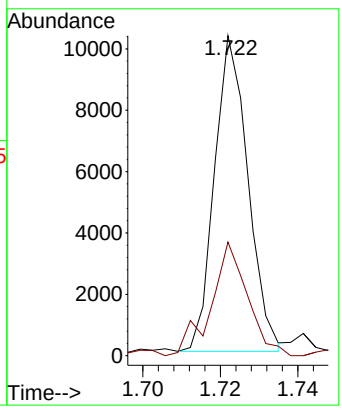


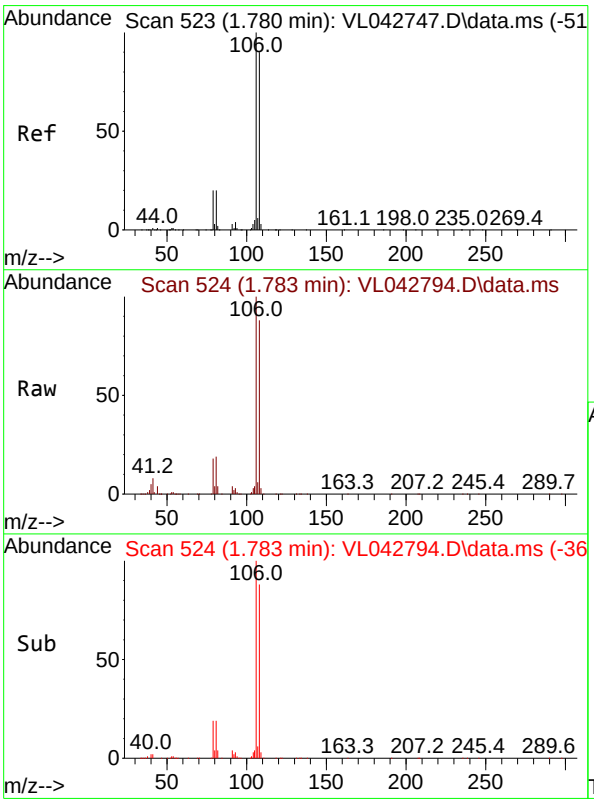
#13
Ethanol
Concen: 8.289 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 45 Resp: 6169

Ion	Ratio	Lower	Upper
45	100		
46	42.1	17.8	71.4

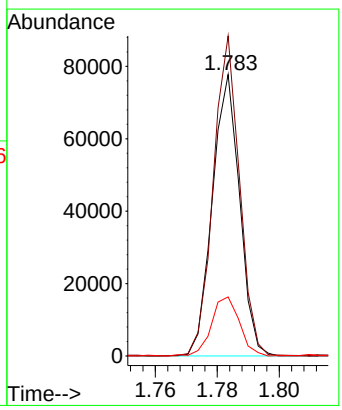


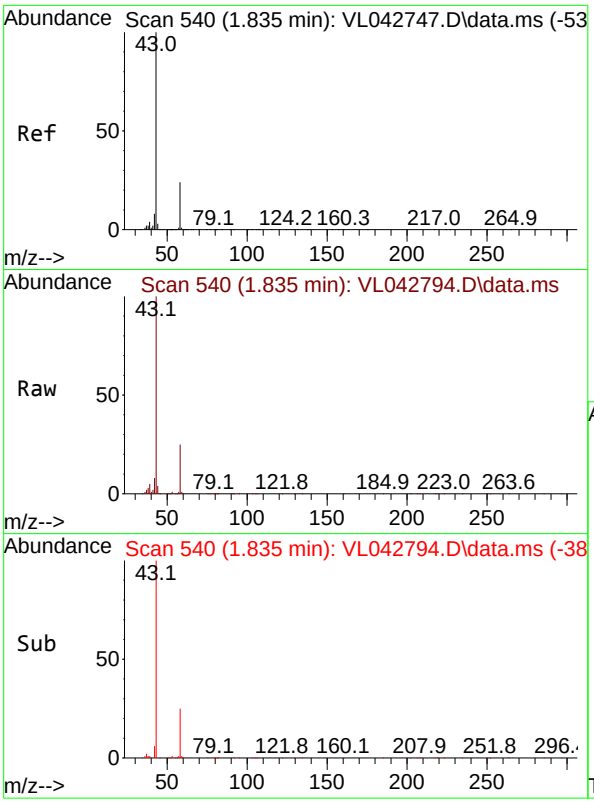


#14
Bromoethene
Concen: 9.039 ppbv
RT: 1.783 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:108 Resp: 47516

Ion	Ratio	Lower	Upper
108	100		
106	109.8	84.7	127.1
79	22.7	17.4	26.2



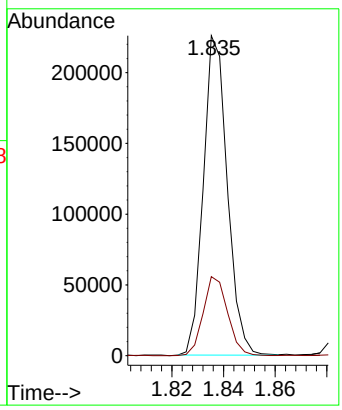


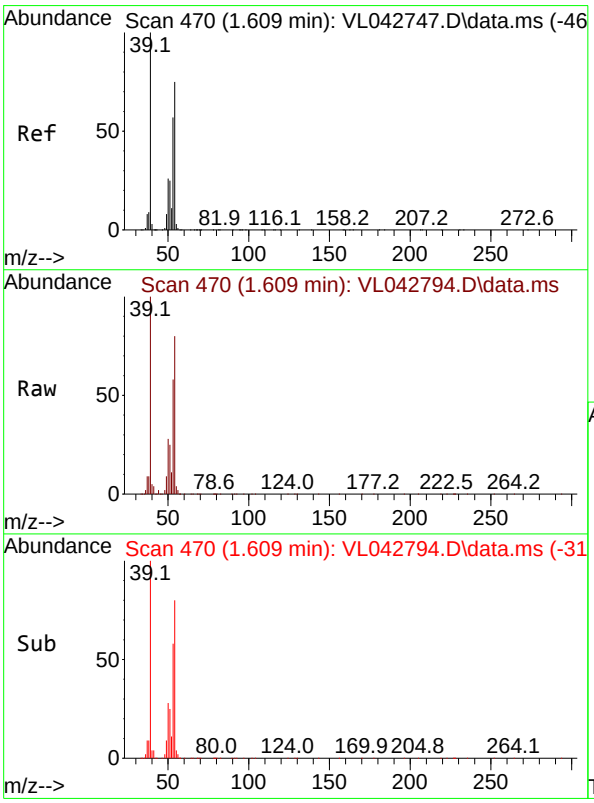
#15
Acetone
Concen: 7.352 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 43 Resp: 145544

Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.8	29.8

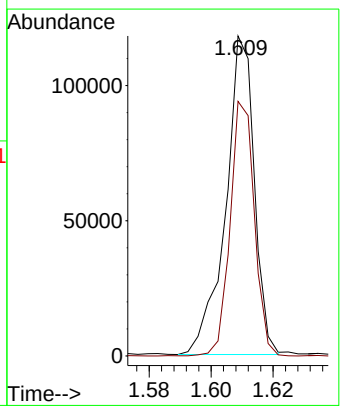


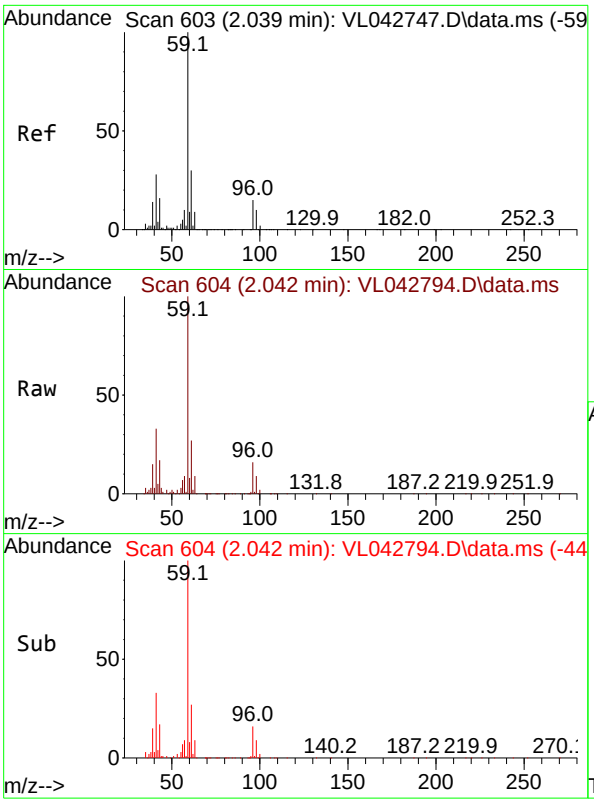


#16
1,3-Butadiene
Concen: 8.933 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 39 Resp: 75425

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7



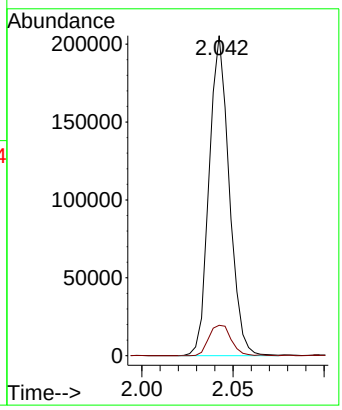


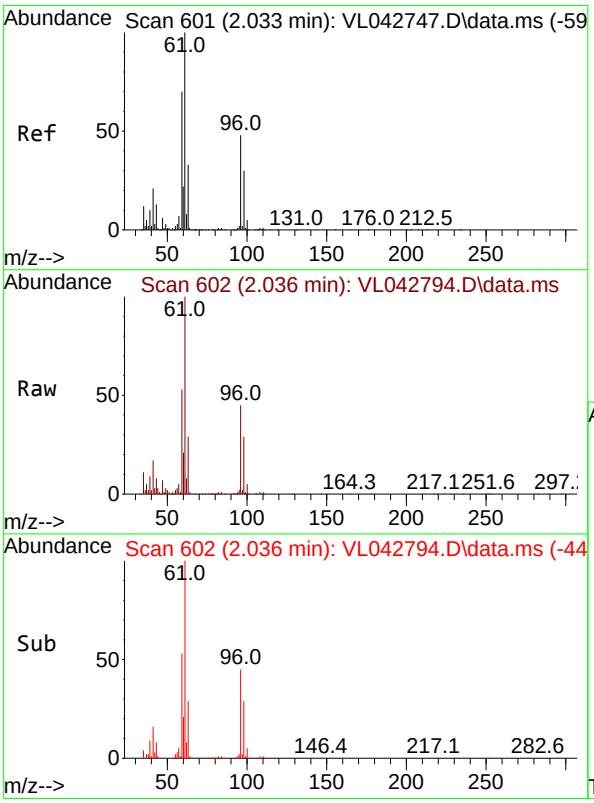
#17
tert-Butyl alcohol
Concen: 8.823 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 59 Resp: 157530

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

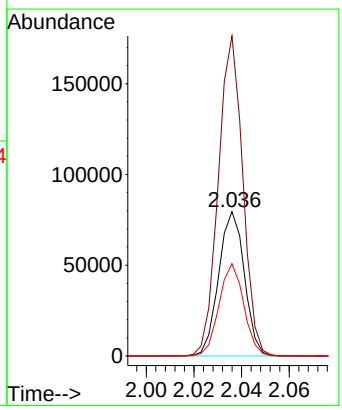


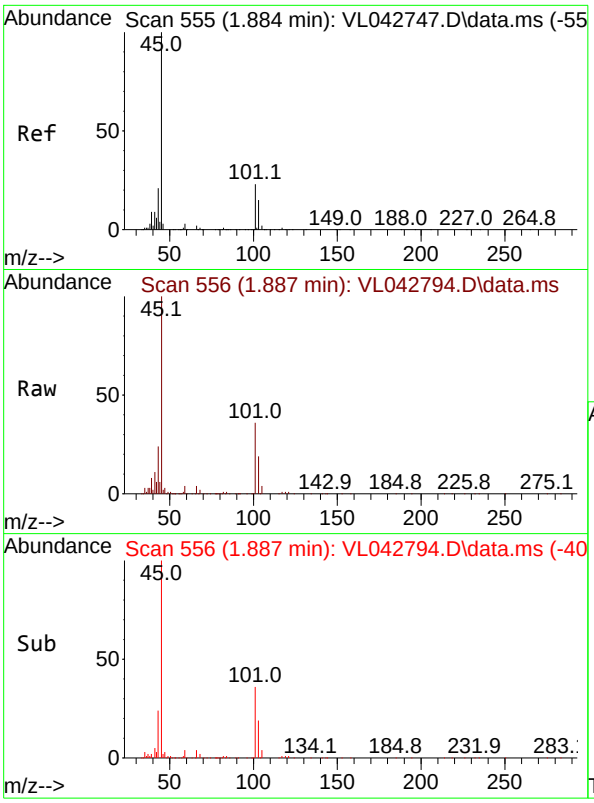


#18
1,1-Dichloroethene
Concen: 8.904 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 96 Resp: 59735

Ion	Ratio	Lower	Upper
96	100		
61	221.7	165.8	248.6
98	64.0	49.9	74.9



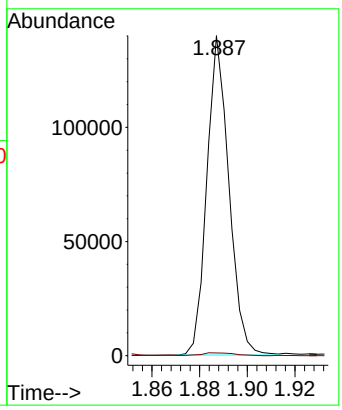


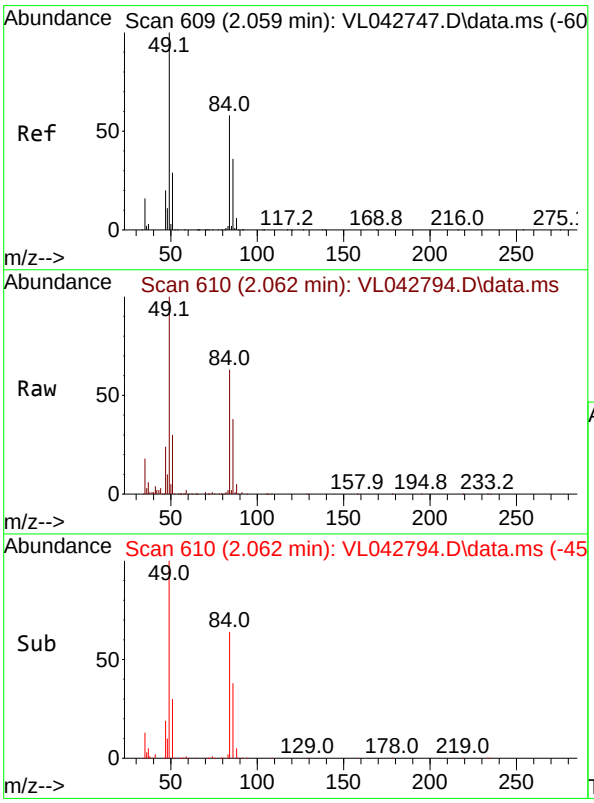
#19
Isopropyl Alcohol
Concen: 8.545 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 45 Resp: 89890

Ion	Ratio	Lower	Upper
45	100		
58	41.1	30.0	45.0

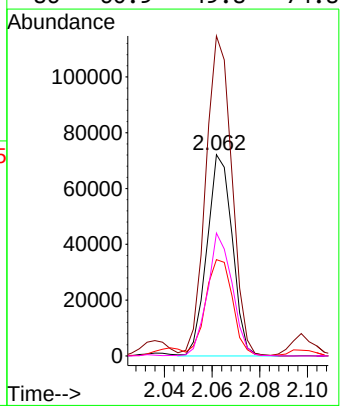


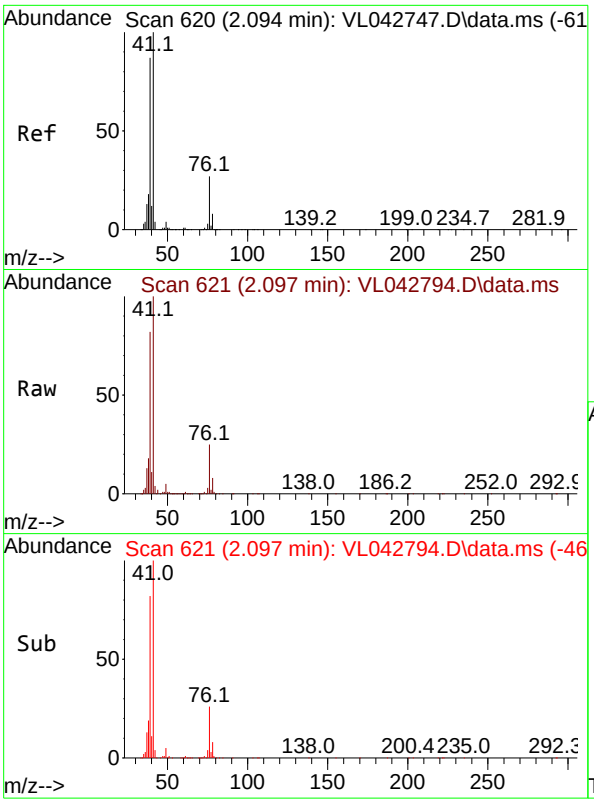


#20
Methylene Chloride
Concen: 8.525 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 84 Resp: 53184

Ion	Ratio	Lower	Upper
84	100		
49	158.0	138.6	208.0
51	47.4	40.6	61.0
86	60.9	49.8	74.8



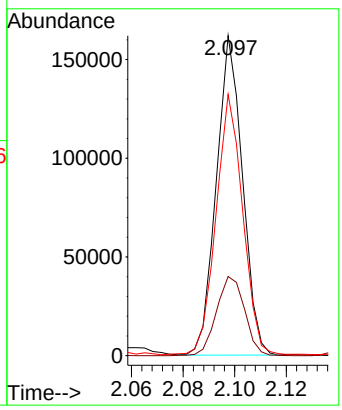


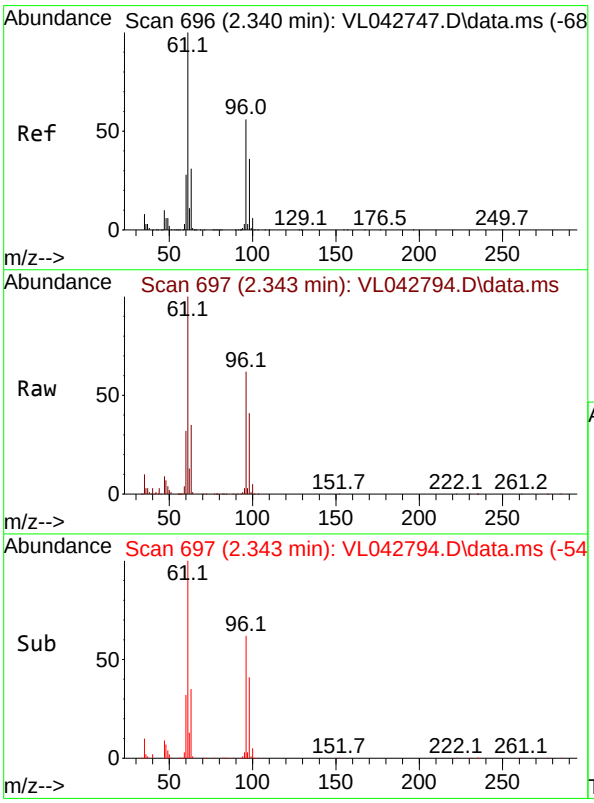
#21
Allyl Chloride
Concen: 9.342 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 41 Resp: 113975

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.1	31.7
39	83.0	68.3	102.5

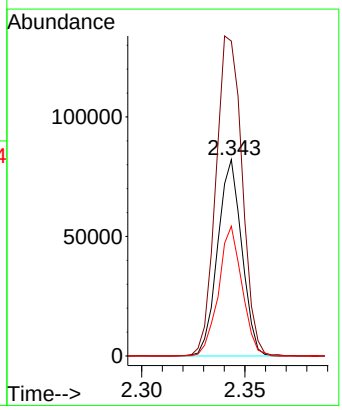


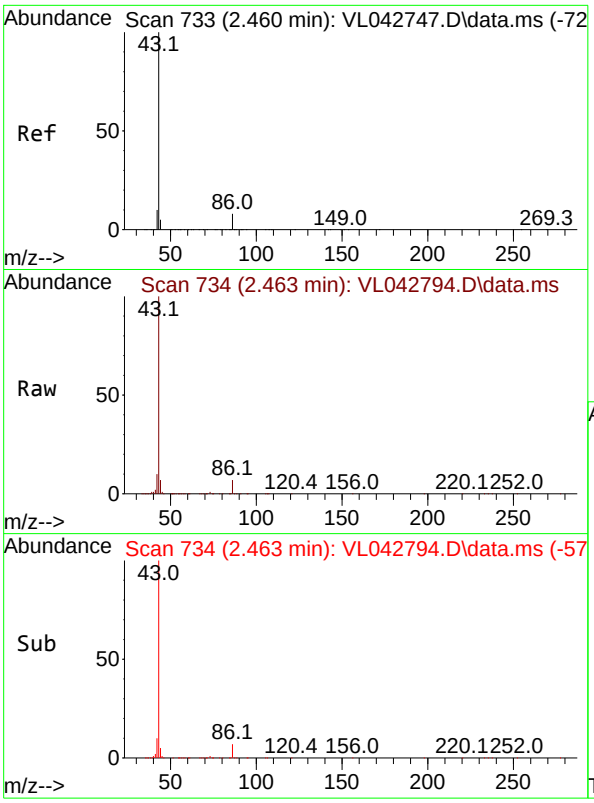


#22
trans-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 2.343 min Scan# 697
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 96 Resp: 66660

Ion	Ratio	Lower	Upper
96	100		
61	160.3	142.3	213.5
98	66.1	50.6	76.0



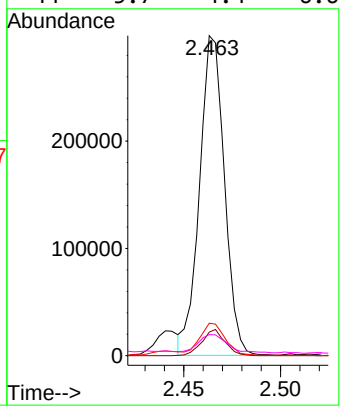


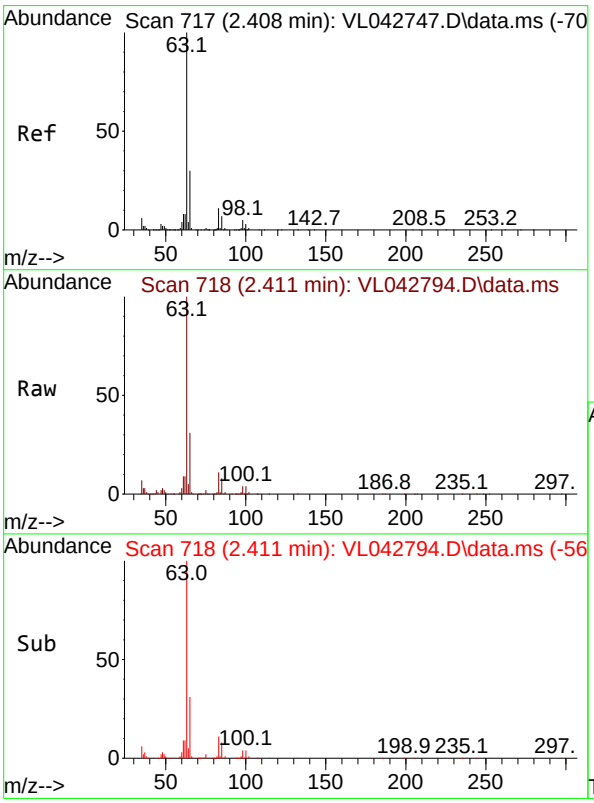
#23
Vinyl Acetate
Concen: 11.134 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 43 Resp: 267217

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.0	7.8	11.8
44	5.7	4.4	6.6

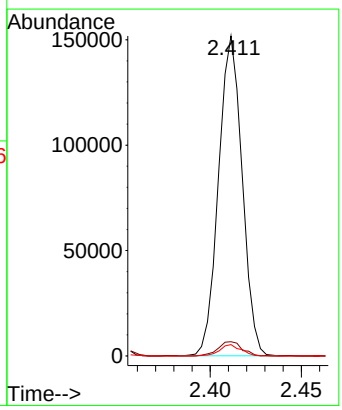


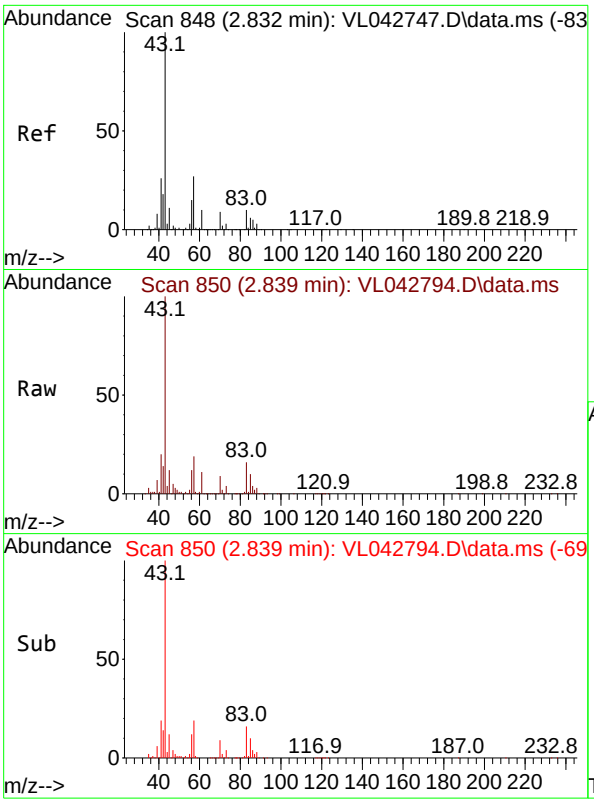


#24
1,1-Dichloroethane
Concen: 9.222 ppbv
RT: 2.411 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 63 Resp: 136610

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.4
100	3.6	1.6	4.8



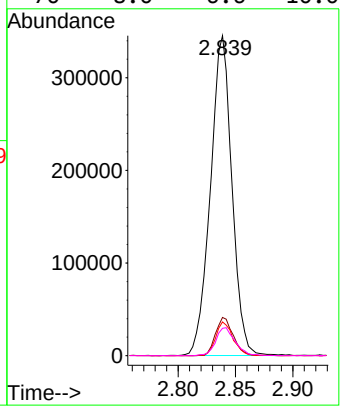


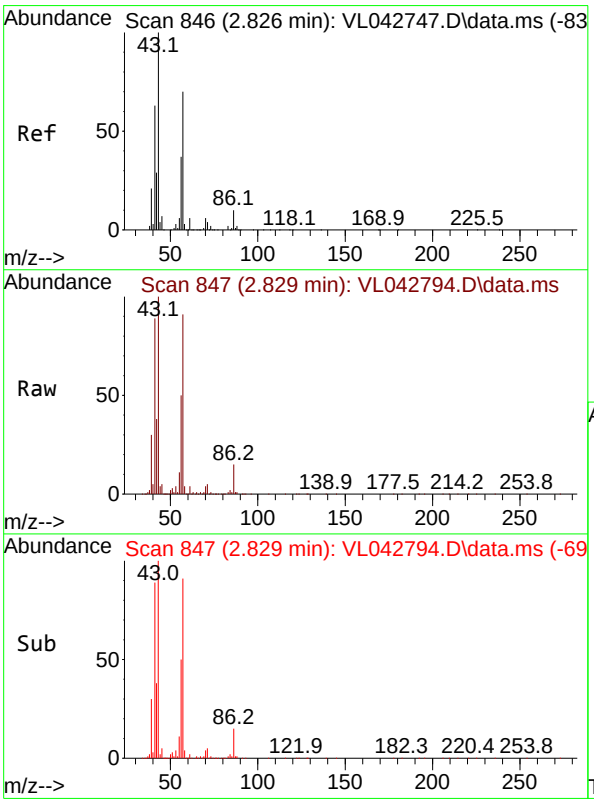
#25
Ethyl Acetate
Concen: 10.270 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 43 Resp: 450028

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.6	6.7	10.1
70	8.0	6.6	10.0

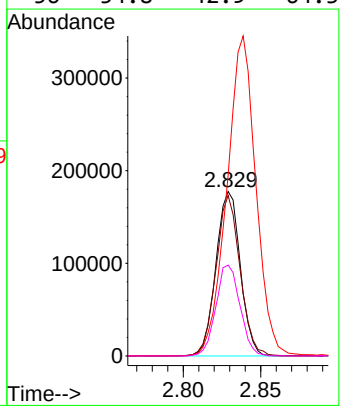


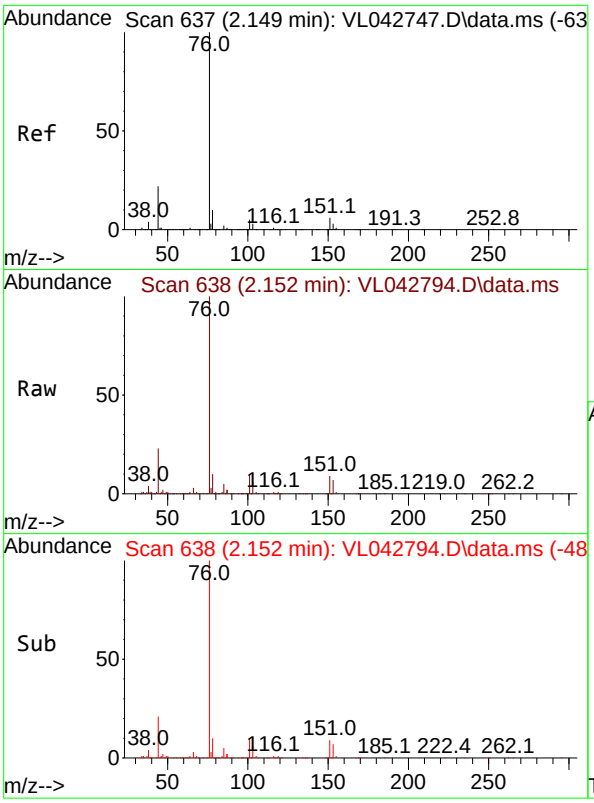


#26
Hexane
Concen: 10.078 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57 Resp: 193724

Ion	Ratio	Lower	Upper
57	100		
41	96.9	75.4	113.2
43	233.0	185.0	277.6
56	54.8	42.9	64.3



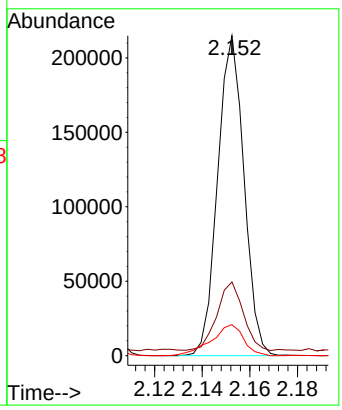


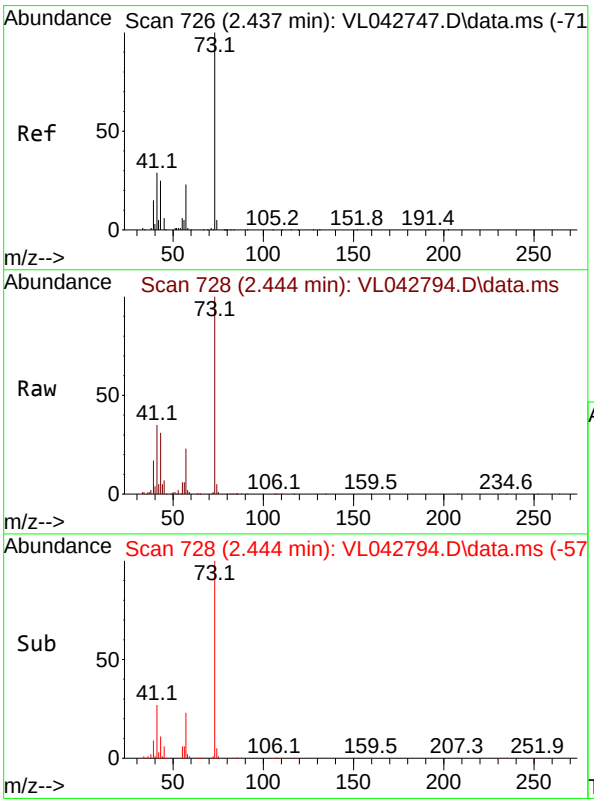
#27
Carbon Disulfide
Concen: 10.023 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 76 Resp: 164945

Ion	Ratio	Lower	Upper
76	100		
44	26.1	19.3	28.9
78	12.0	9.9	14.9

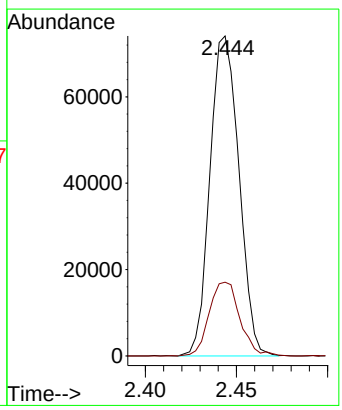


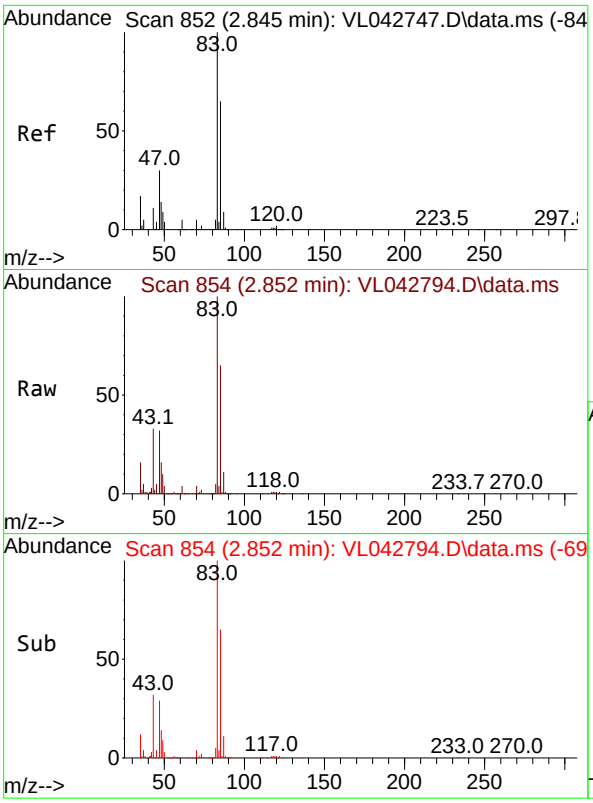


#28
Methyl tert-Butyl Ether
Concen: 9.026 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 73 Resp: 81968

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8



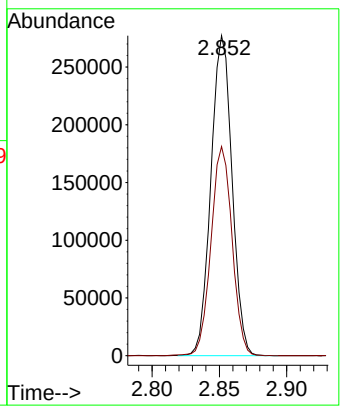


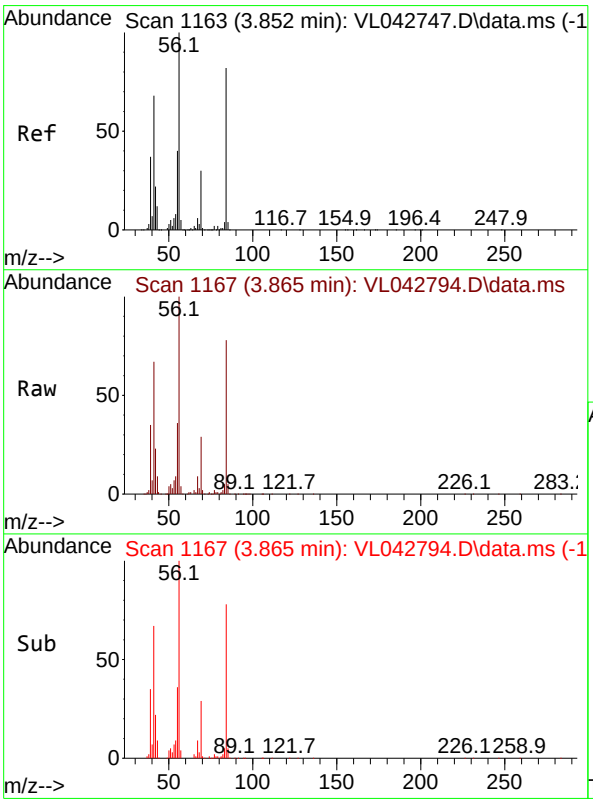
#29
Chloroform
Concen: 10.176 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 83 Resp: 302251

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2

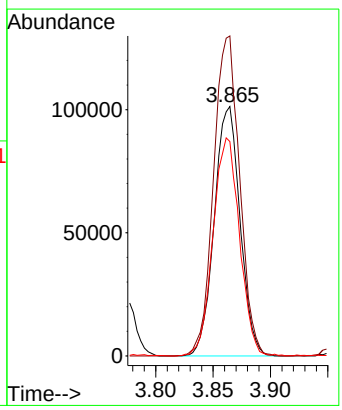


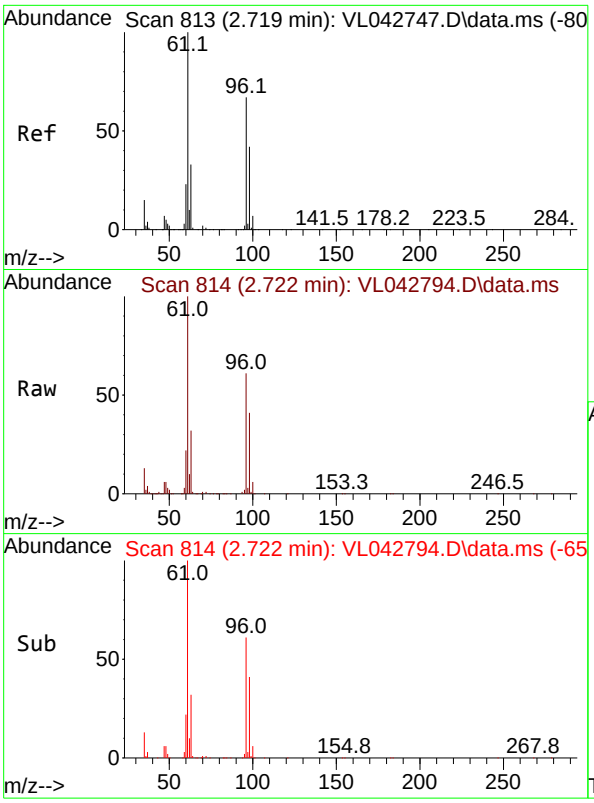


#30
Cyclohexane
Concen: 9.705 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 84 Resp: 158206

Ion	Ratio	Lower	Upper
84	100		
56	129.8	97.5	146.3
41	90.1	67.2	100.8



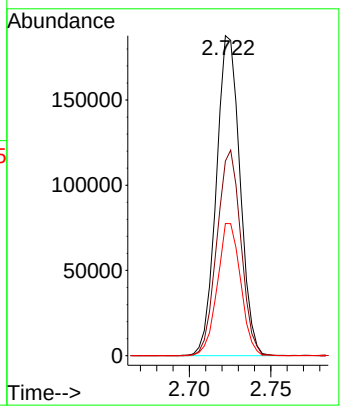


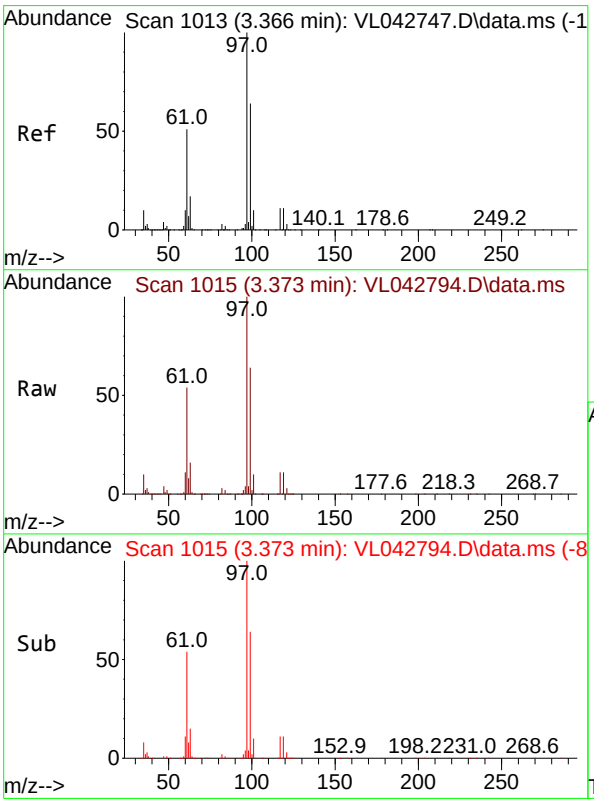
#31
cis-1,2-Dichloroethene
Concen: 9.599 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 61 Resp: 189601

Ion	Ratio	Lower	Upper
61	100		
96	60.8	53.5	80.3
98	41.3	33.6	50.4

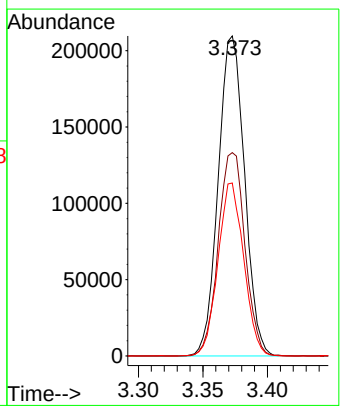


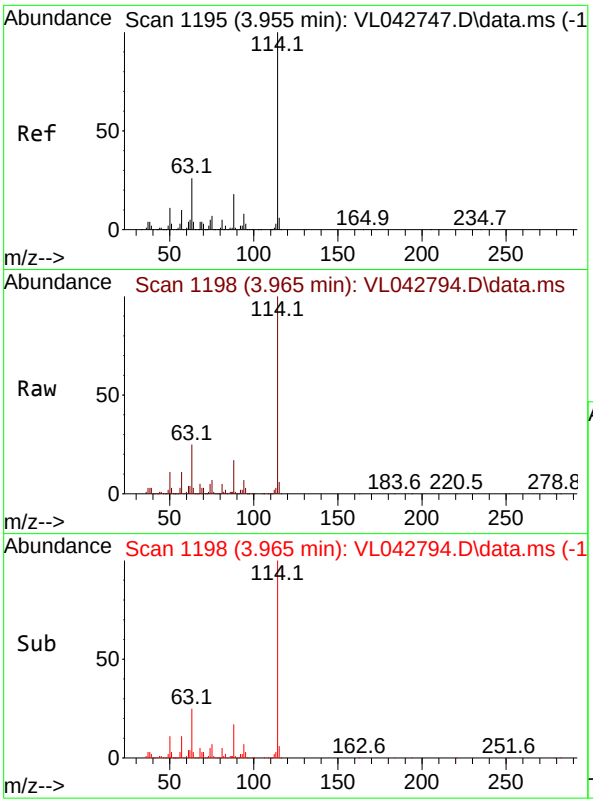


#32
1,1,1-Trichloroethane
Concen: 9.605 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 97 Resp: 297175

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	53.0	40.9	61.3



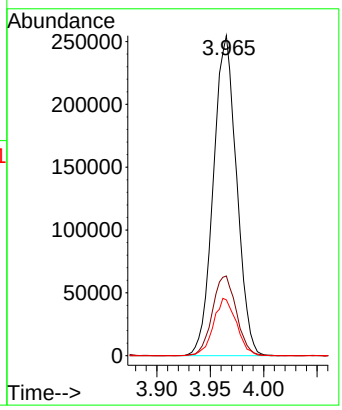


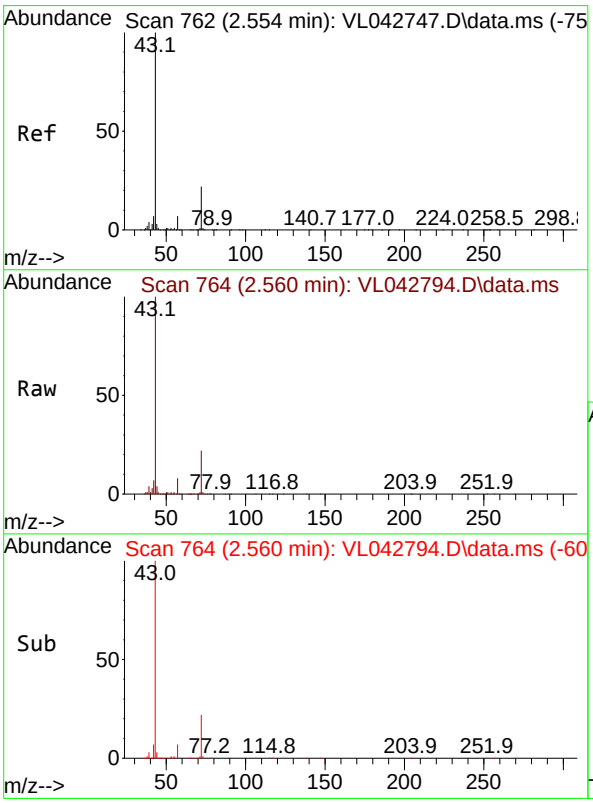
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:114 Resp: 385270

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0

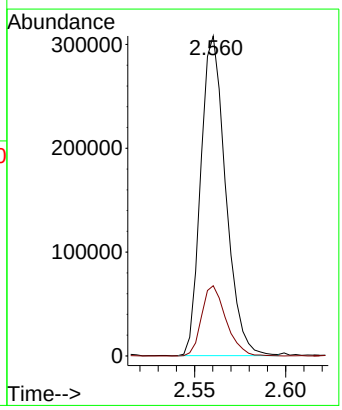


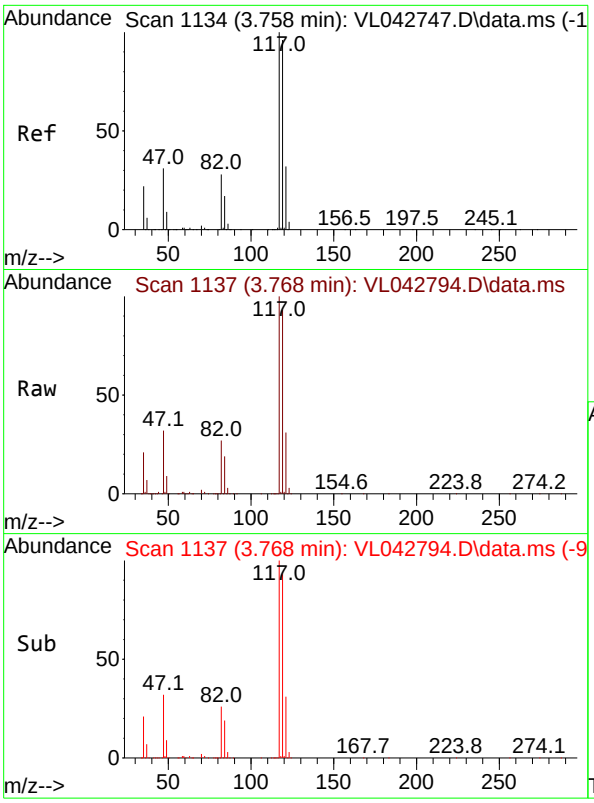


#34
2-Butanone
Concen: 10.737 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 293015

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.4	26.0



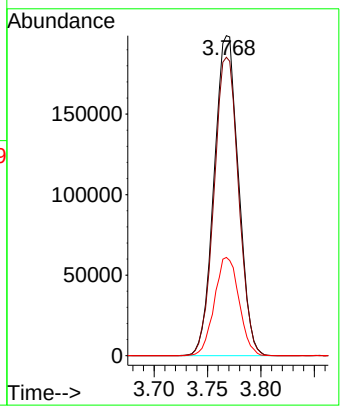


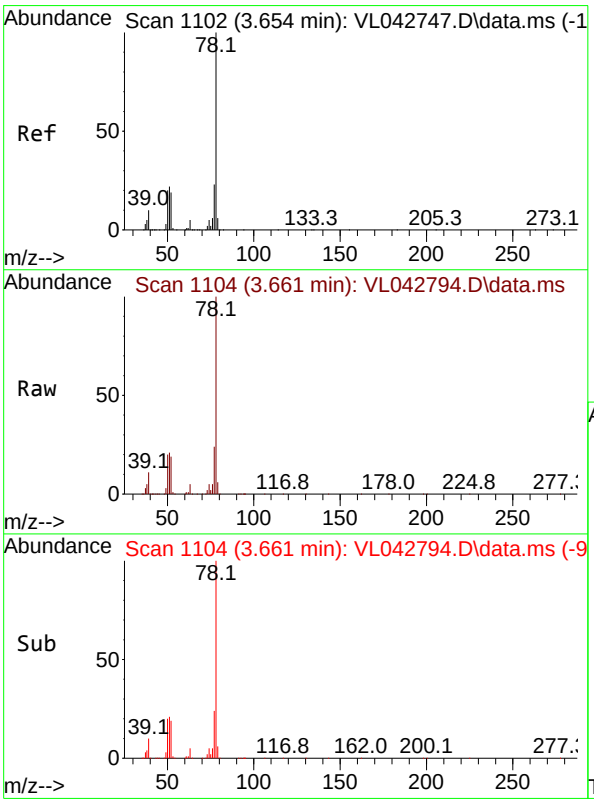
#35
Carbon Tetrachloride
Concen: 11.014 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:117 Resp: 315193

Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.1	115.7
121	30.7	25.5	38.3

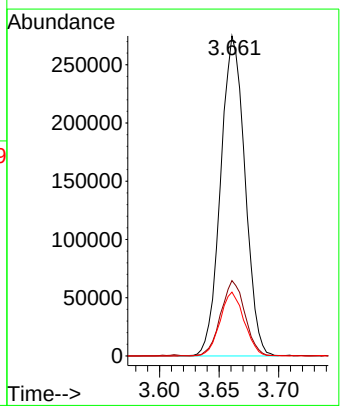


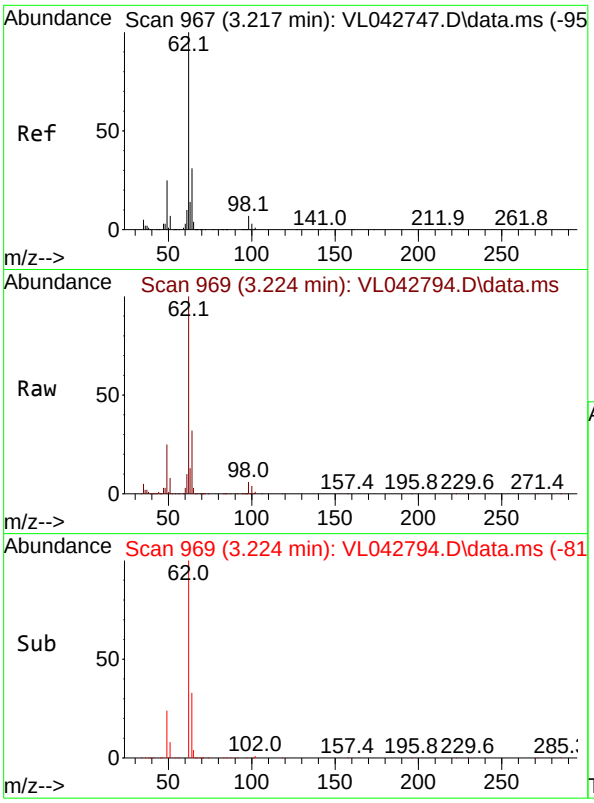


#36
Benzene
Concen: 10.677 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 78 Resp: 389839

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7
50	19.9	16.2	24.2



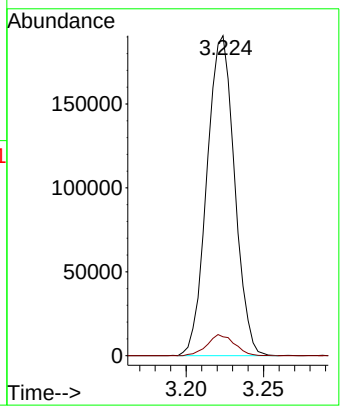


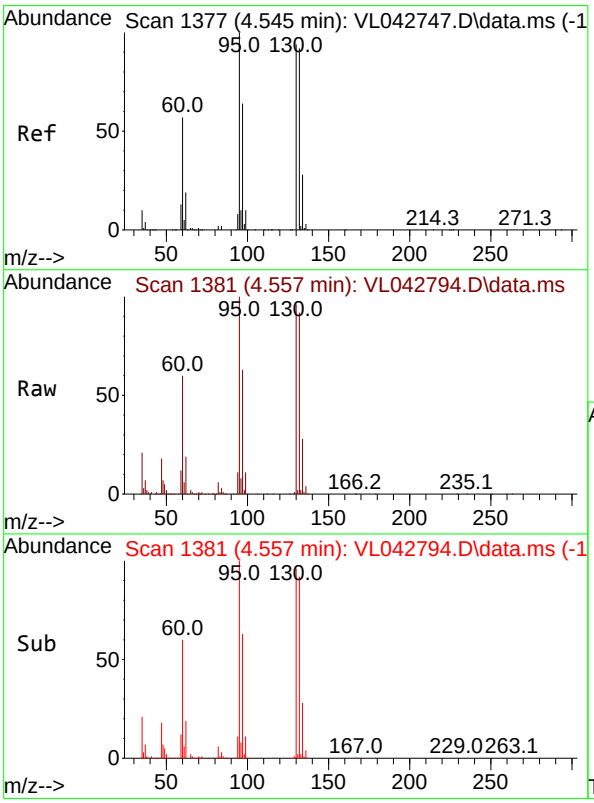
#37
1,2-Dichloroethane
Concen: 10.756 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 62 Resp: 236593

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

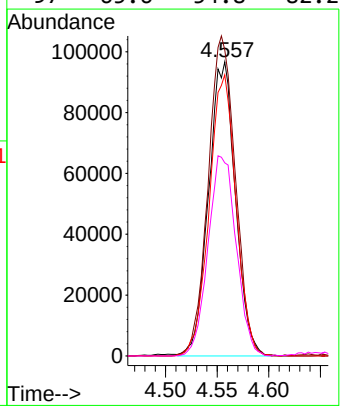


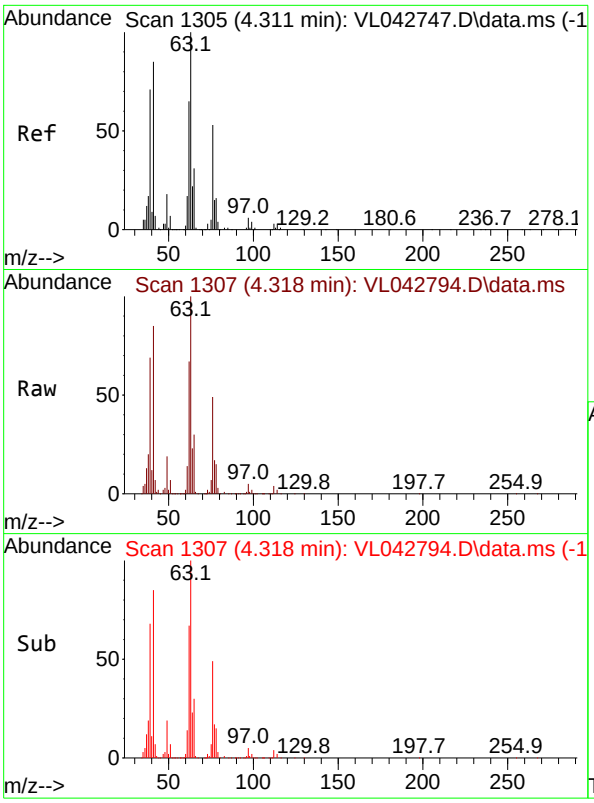


#38
Trichloroethene
Concen: 9.974 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:130 Resp: 174966

Ion	Ratio	Lower	Upper
130	100		
95	104.0	85.4	128.2
132	95.6	78.2	117.2
97	65.6	54.8	82.2



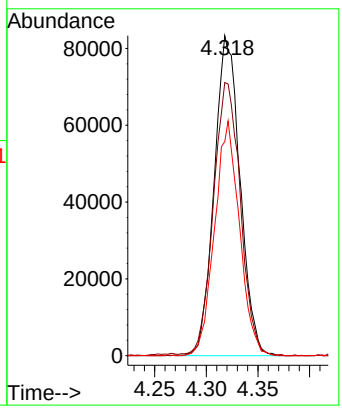


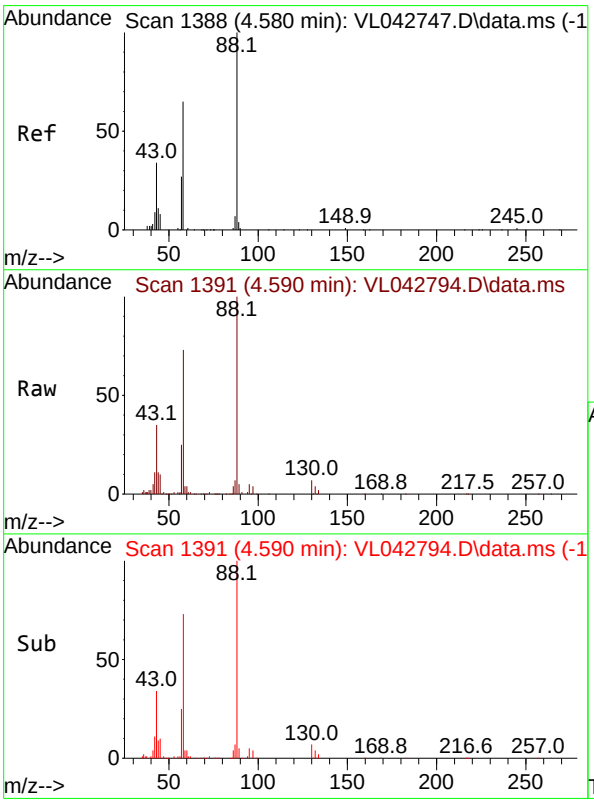
#39
1,2-Dichloropropane
Concen: 10.741 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 63 Resp: 144769

Ion	Ratio	Lower	Upper
63	100		
41	84.8	68.2	102.4
62	66.9	52.0	78.0

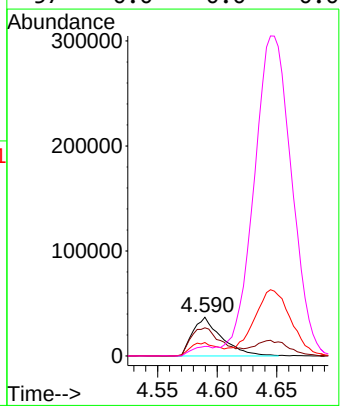


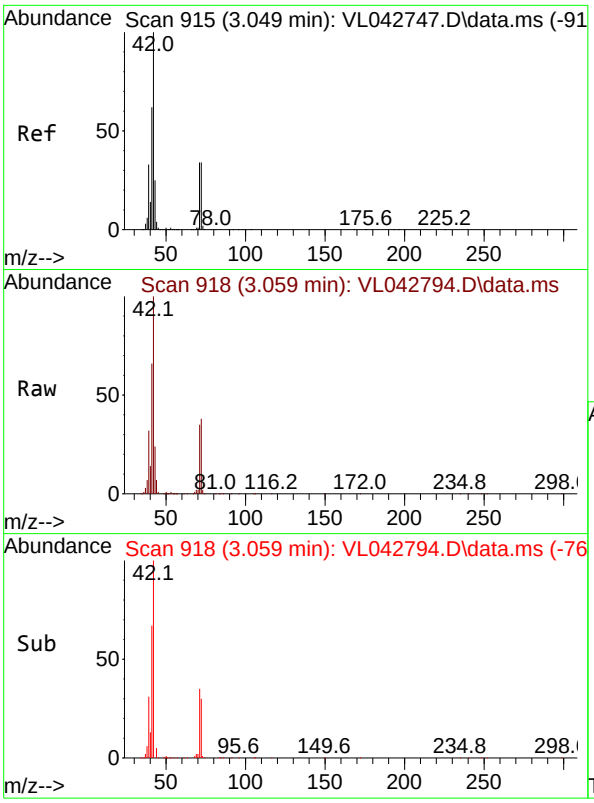


#40
1,4-Dioxane
Concen: 9.866 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 88 Resp: 61985

Ion	Ratio	Lower	Upper
88	100		
58	74.7	58.8	88.2
43	32.4	28.9	43.3
57	0.0	0.0	0.0



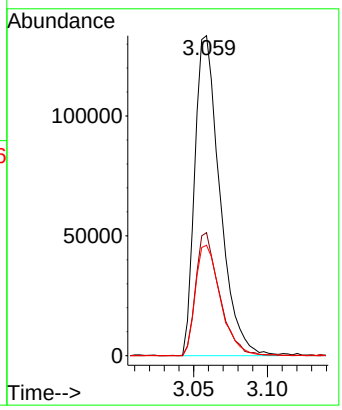


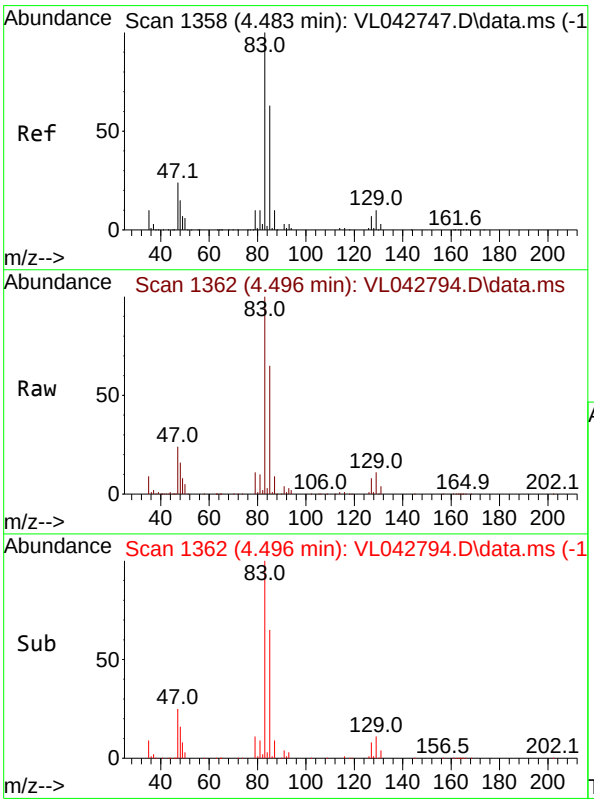
#41
Tetrahydrofuran
Concen: 11.374 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 42 Resp: 157948

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.9	46.3
71	34.7	28.6	43.0

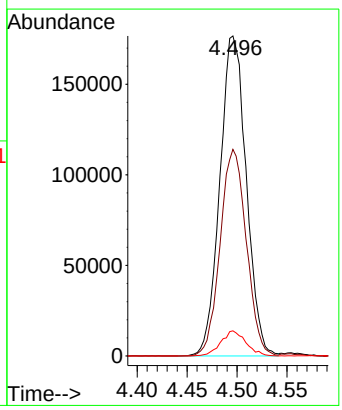


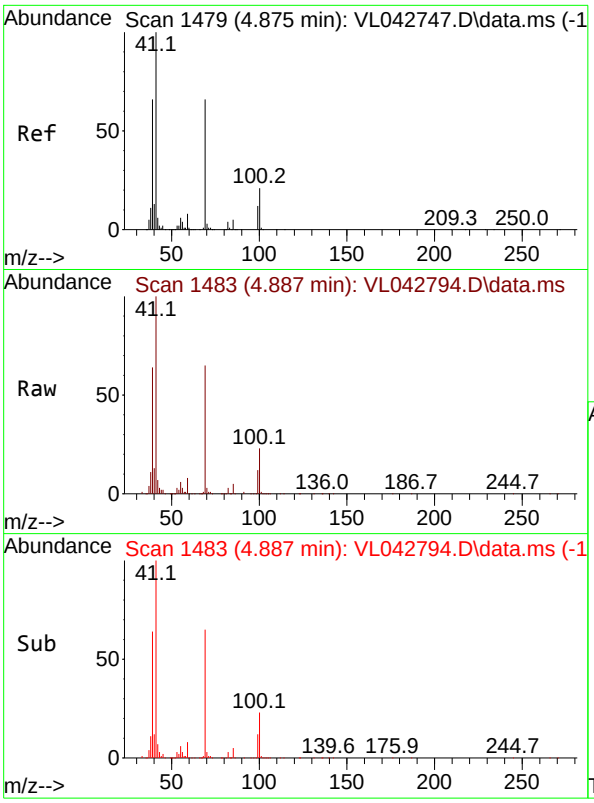


#42
Bromodichloromethane
Concen: 11.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 83 Resp: 324724

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	7.9	5.4	8.2



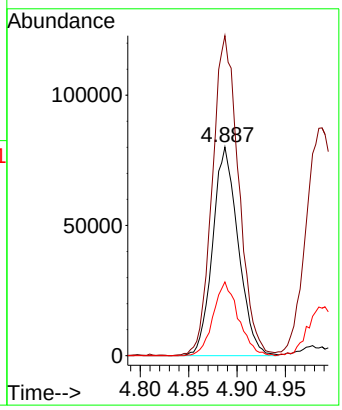


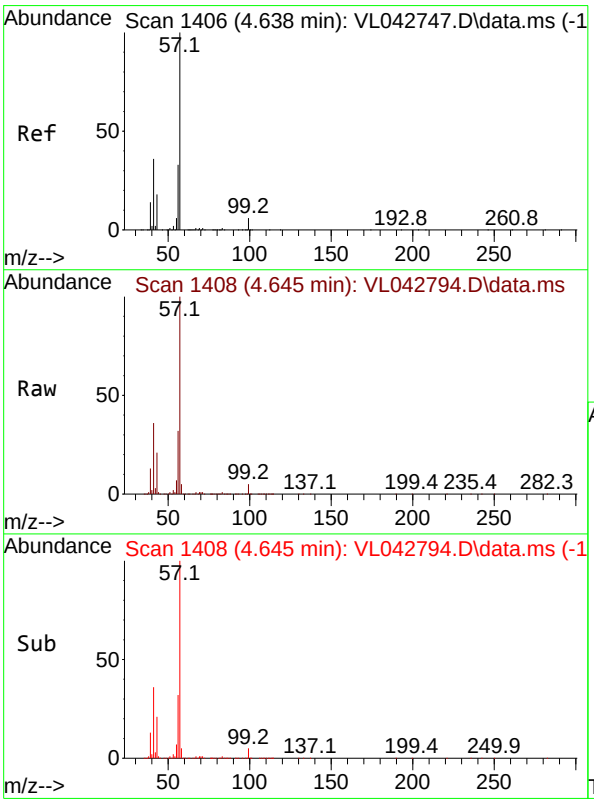
#43
Methyl Methacrylate
Concen: 11.338 ppbv
RT: 4.887 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 69 Resp: 147145

Ion	Ratio	Lower	Upper
69	100		
41	158.7	125.7	188.5
100	34.8	28.6	42.8

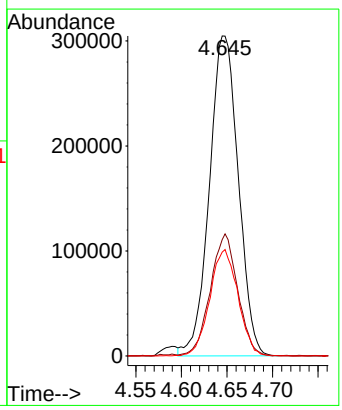


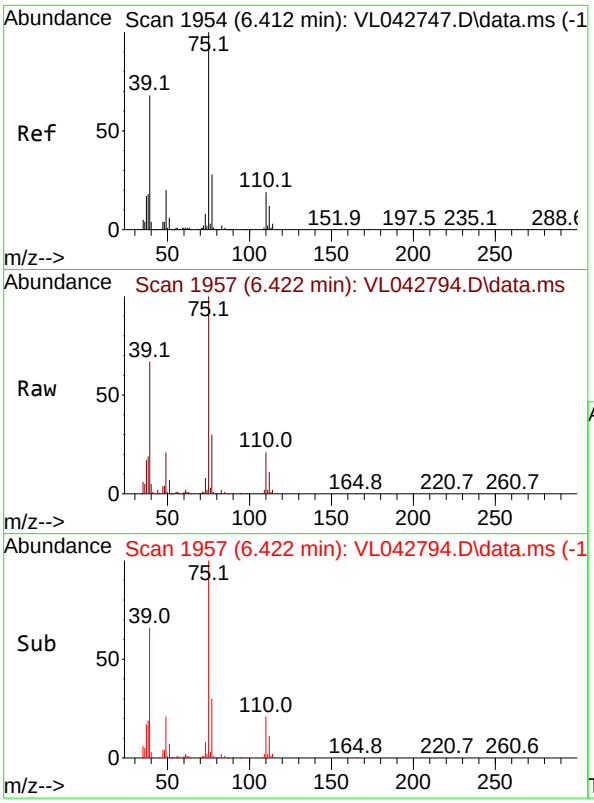


#44
2,2,4-Trimethylpentane
Concen: 11.311 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 57 Resp: 673176

Ion	Ratio	Lower	Upper
57	100		
41	36.6	28.3	42.5
56	32.6	25.8	38.6



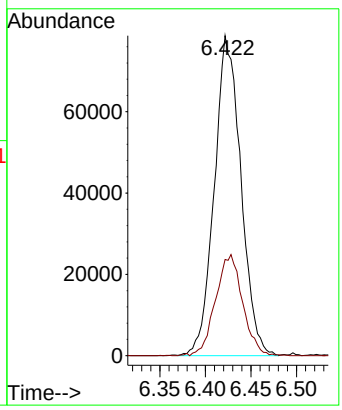


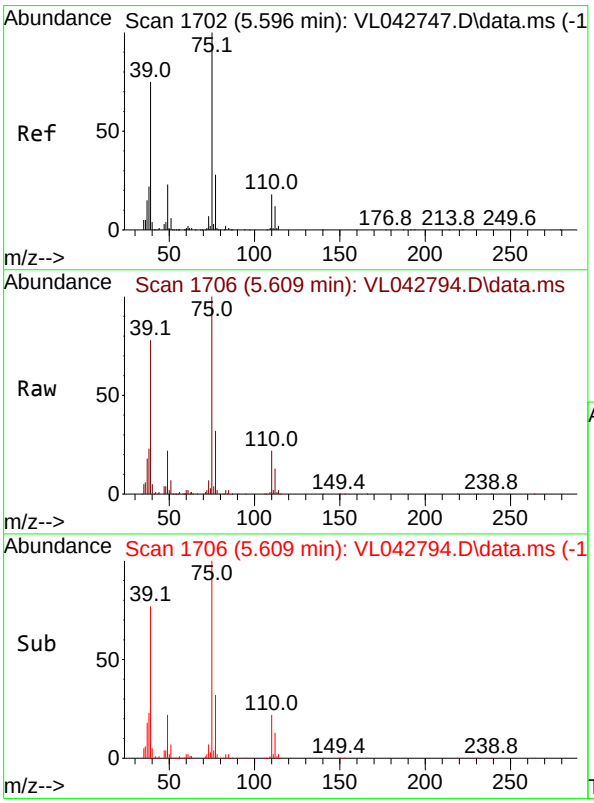
#45
t-1,3-Dichloropropene
Concen: 10.976 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 75 Resp: 159751

Ion	Ratio	Lower	Upper
75	100		
77	30.1	22.4	33.6

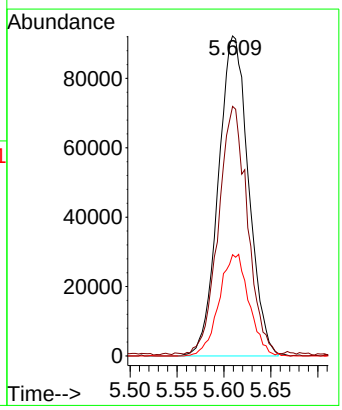


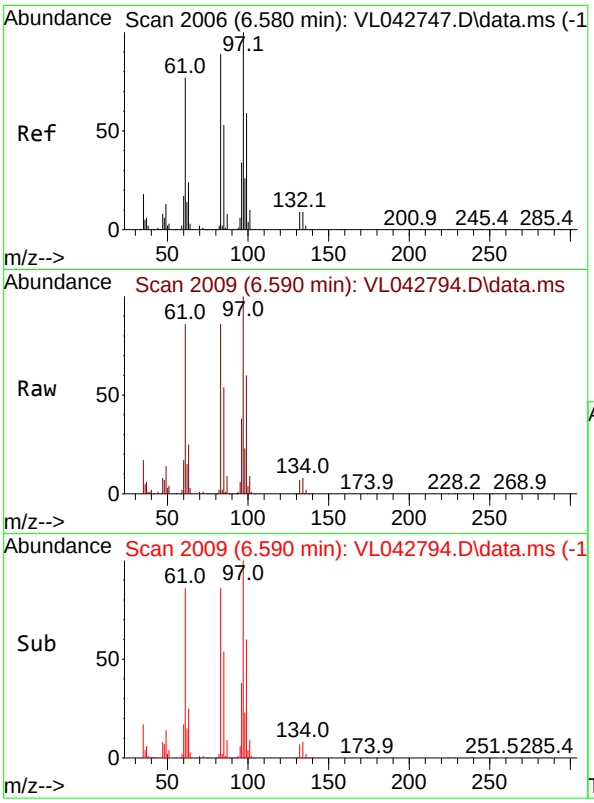


#46
cis-1,3-Dichloropropene
Concen: 11.160 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 75 Resp: 205816

Ion	Ratio	Lower	Upper
75	100		
39	77.2	60.2	90.2
77	31.7	22.6	34.0



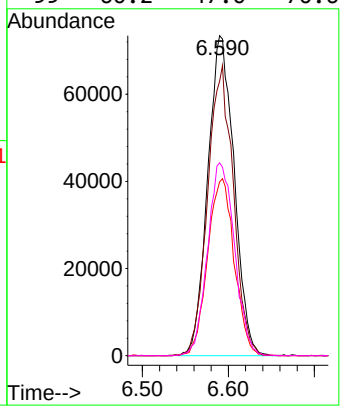


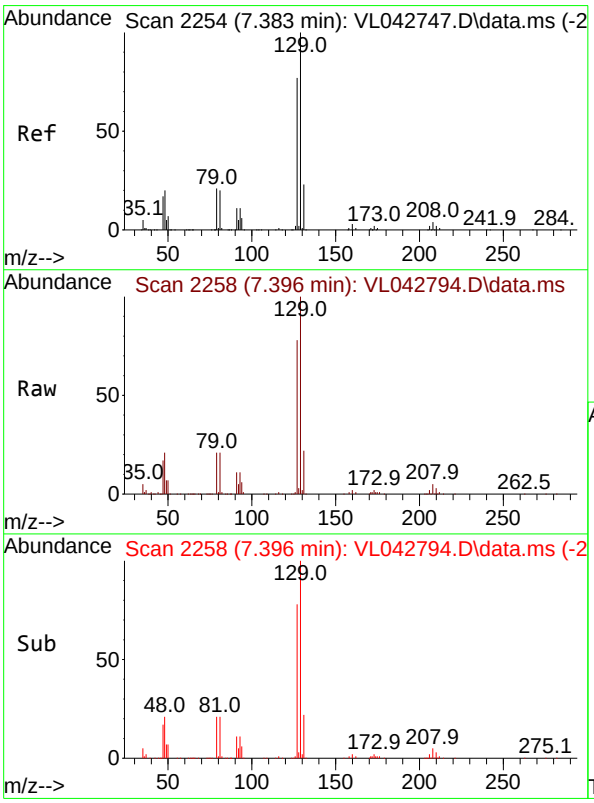
#47
1,1,2-Trichloroethane
Concen: 10.873 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 97 Resp: 156216

Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.1	106.7
85	54.3	43.0	64.4
99	60.2	47.0	70.6

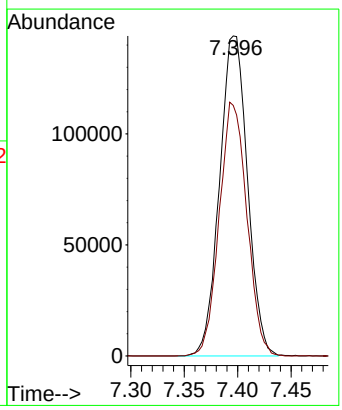


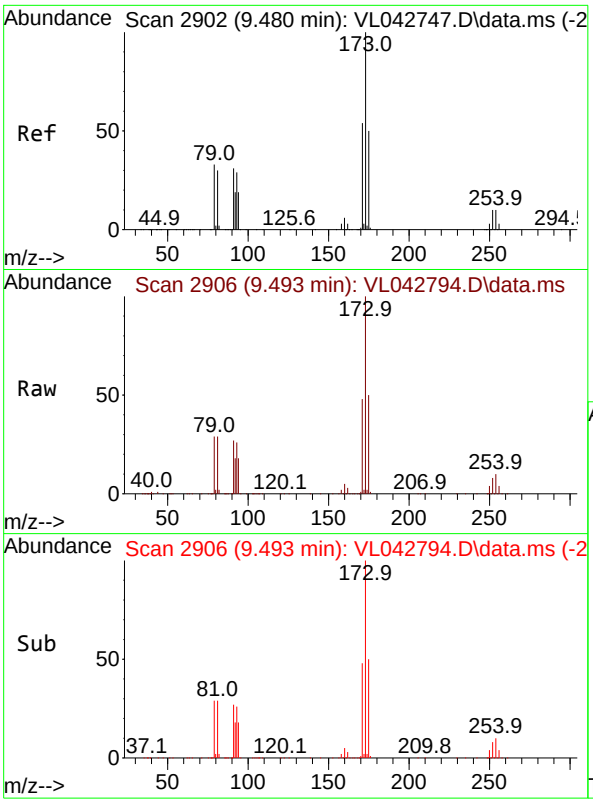


#48
Dibromochloromethane
Concen: 11.510 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:129 Resp: 262522

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.7	116.1



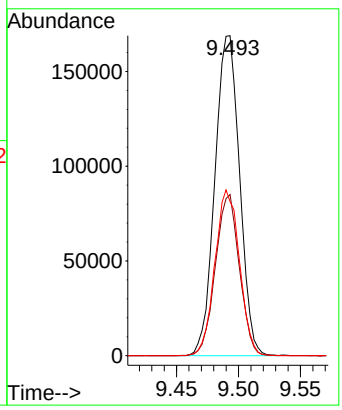


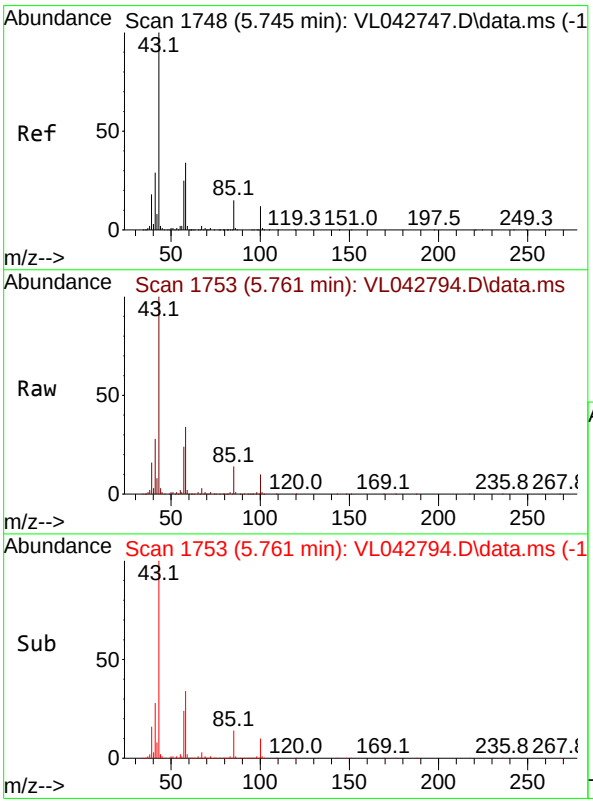
#49
Bromoform
Concen: 11.811 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:173 Resp: 234893

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.4	57.6
171	51.5	40.9	61.3

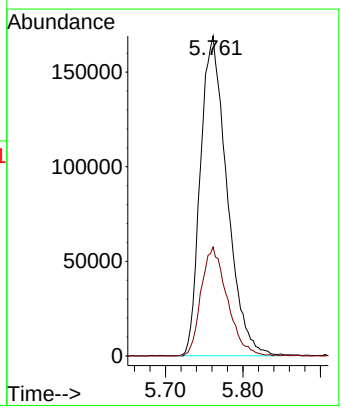


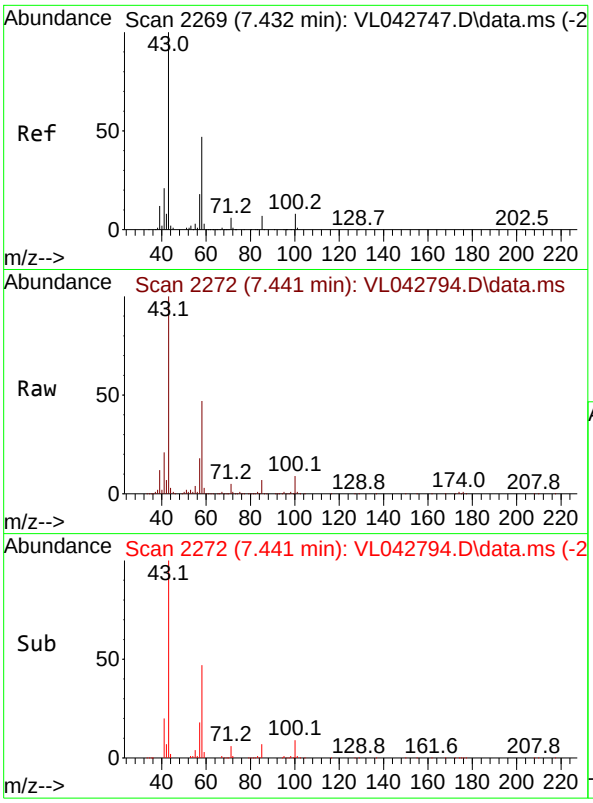


#50
4-Methyl-2-Pentanone
Concen: 11.467 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 43 Resp: 403132

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.8



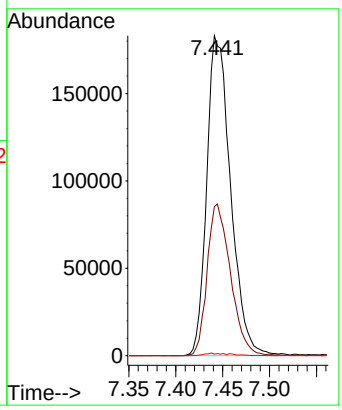


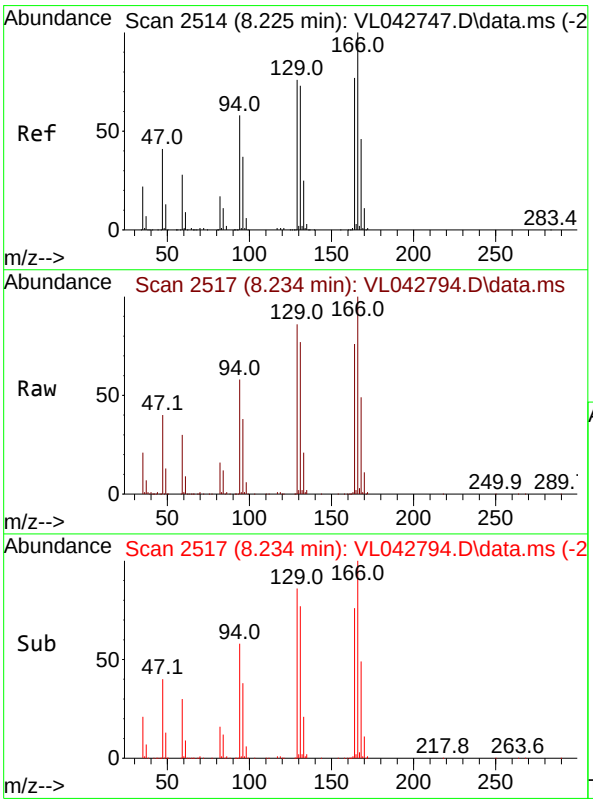
#51
2-Hexanone
Concen: 12.152 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 43 Resp: 322822

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.0	57.0
98	0.9	0.2	0.4#

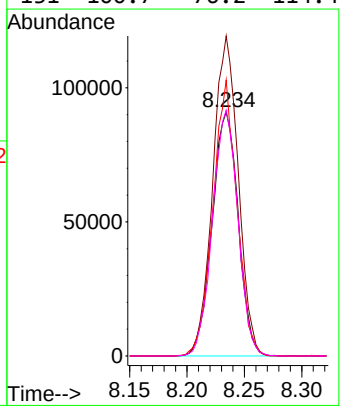


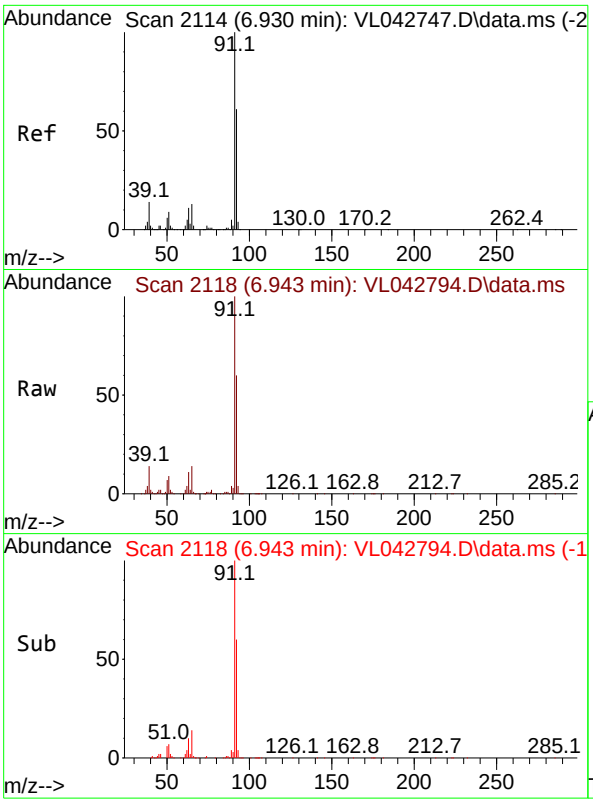


#52
Tetrachloroethene
Concen: 9.518 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:164 Resp: 144051

Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.0	156.0
129	112.9	79.2	118.8
131	100.7	76.2	114.4



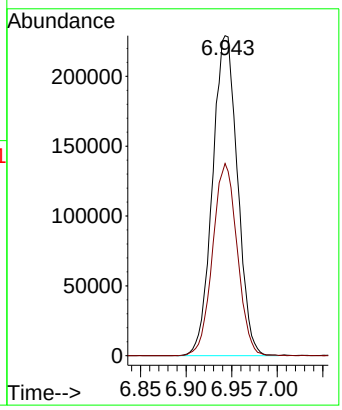


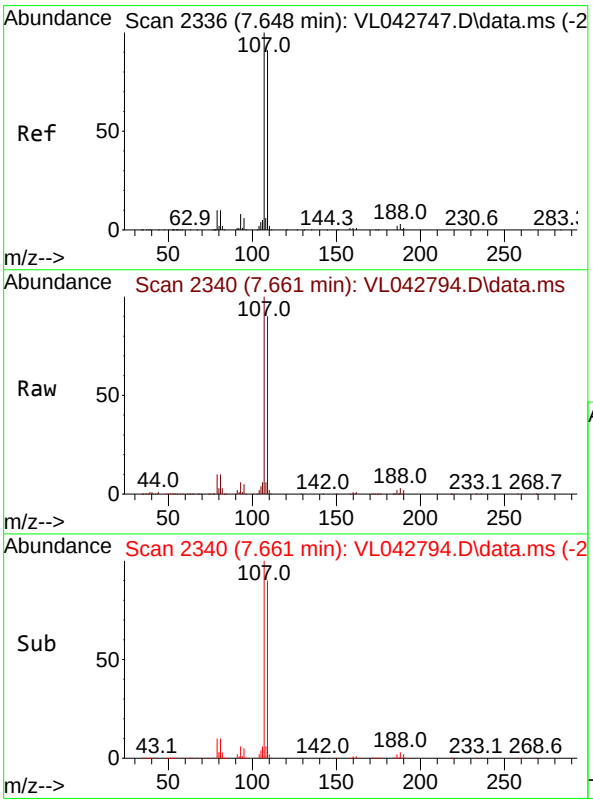
#53
Toluene
Concen: 11.135 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 91 Resp: 436601

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.0	72.0

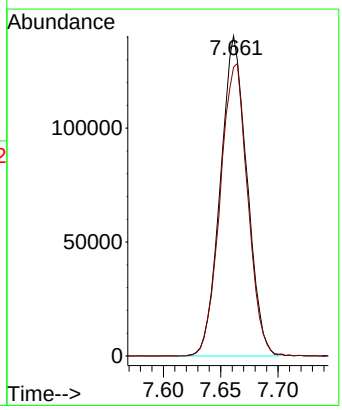


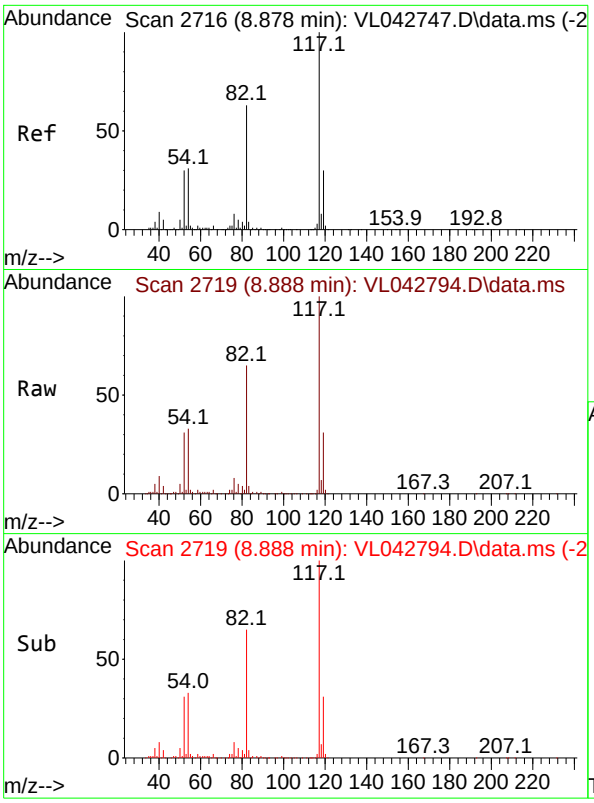


#54
1,2-Dibromoethane
Concen: 11.172 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:107 Resp: 226779

Ion	Ratio	Lower	Upper
107	100		
109	90.2	72.7	109.1



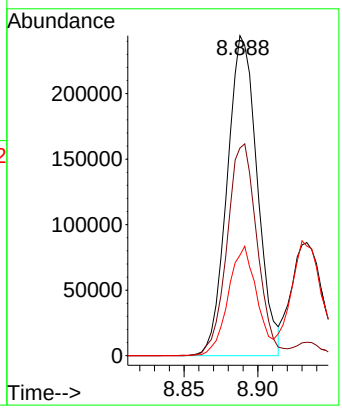


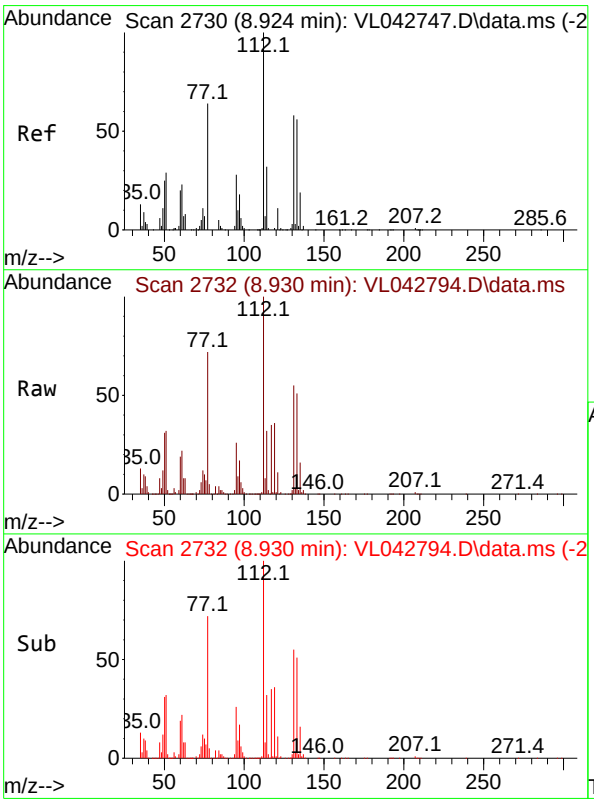
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:117 Resp: 347681

Ion	Ratio	Lower	Upper
117	100		
82	69.6	53.3	79.9
119	33.5	25.8	38.6

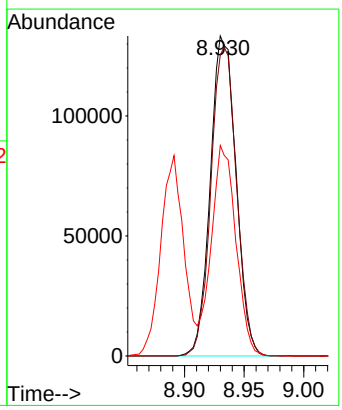


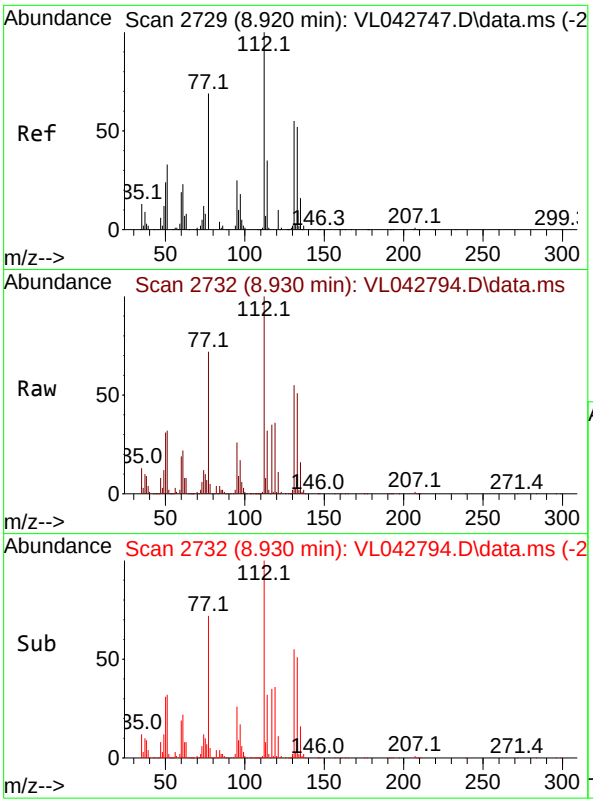


#56
1,1,1,2-Tetrachloroethane
Concen: 11.035 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:131 Resp: 199484

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.8	115.2
119	64.2	49.7	74.5



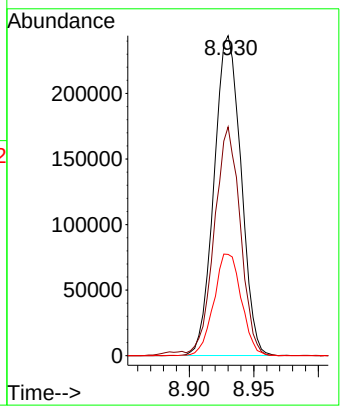


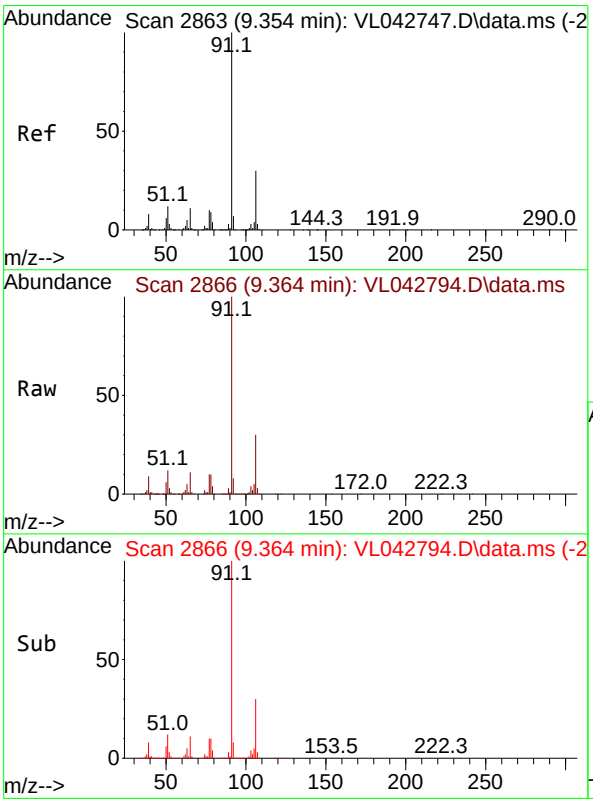
#57
Chlorobenzene
Concen: 10.519 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:112 Resp: 353946

Ion	Ratio	Lower	Upper
112	100		
77	71.6	56.4	84.6
114	31.6	31.2	38.2

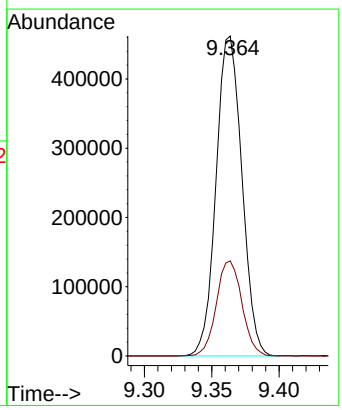


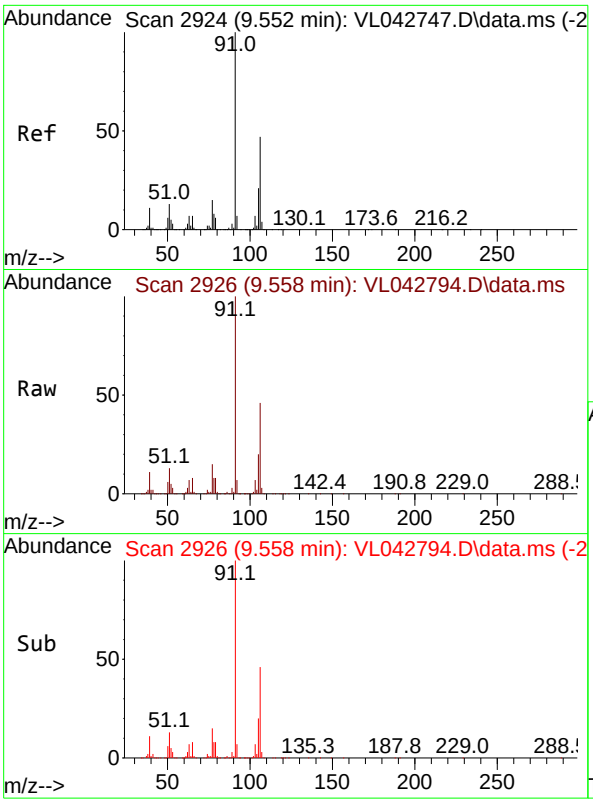


#58
Ethyl Benzene
Concen: 11.212 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 615615

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



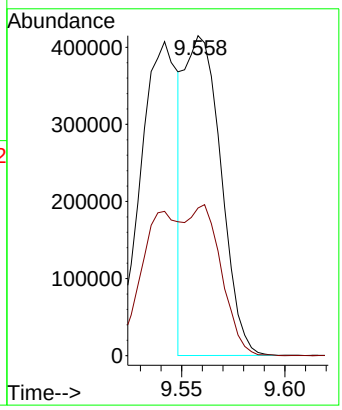


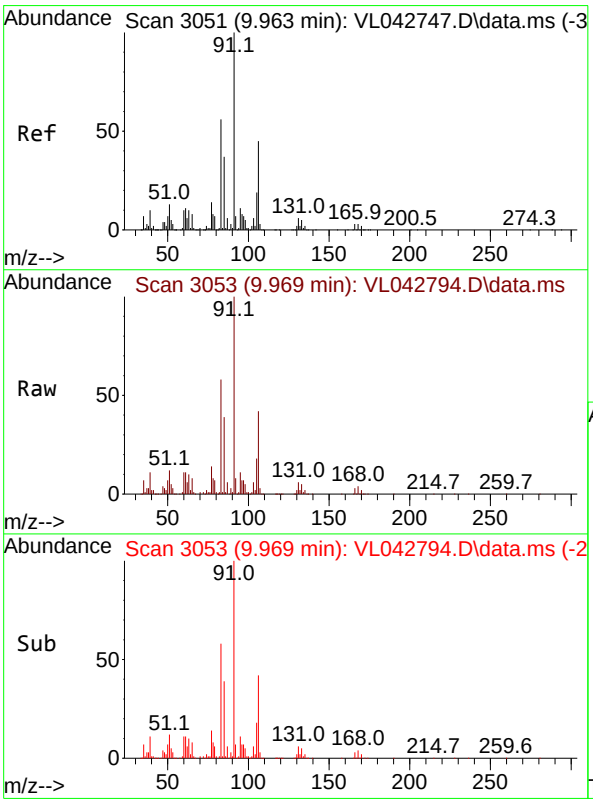
#59
m/p-Xylene
Concen: 11.643 ppbv
RT: 9.558 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 91 Resp: 510911

Ion	Ratio	Lower	Upper
91	100		
106	93.2	37.4	56.2#

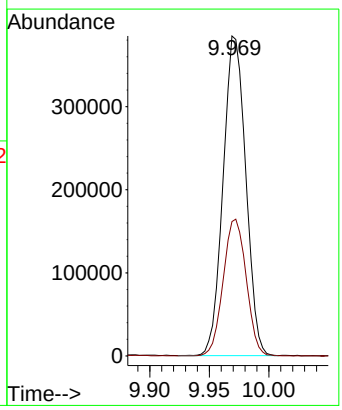


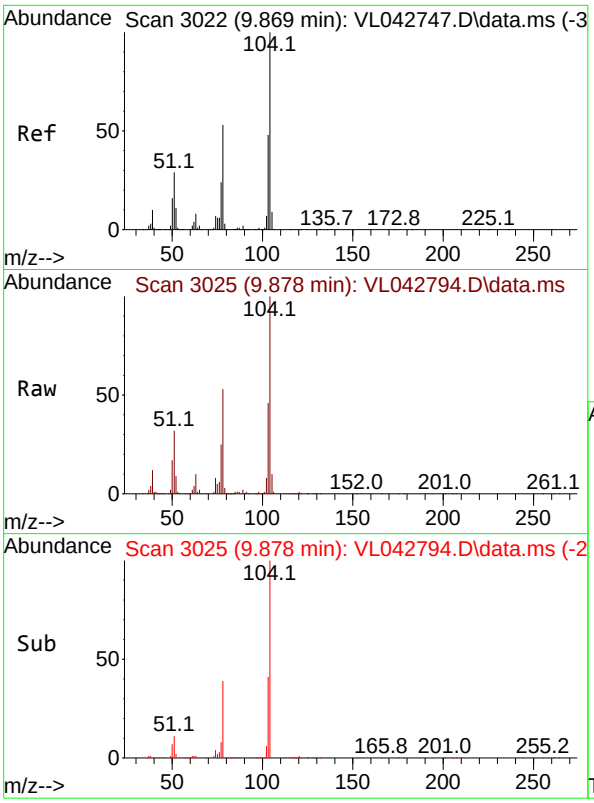


#60
o-Xylene
Concen: 11.615 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 509306

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.0	66.0



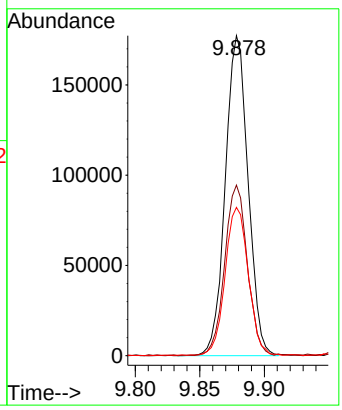


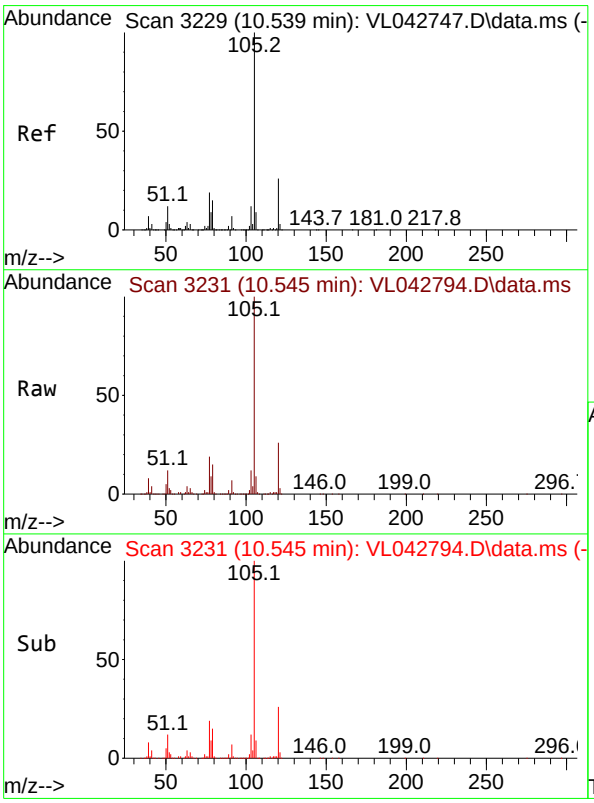
#61
Styrene
Concen: 11.813 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:104 Resp: 217878

Ion	Ratio	Lower	Upper
104	100		
78	53.1	41.5	62.3
103	47.6	37.5	56.3

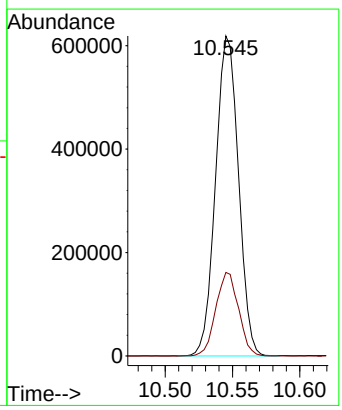


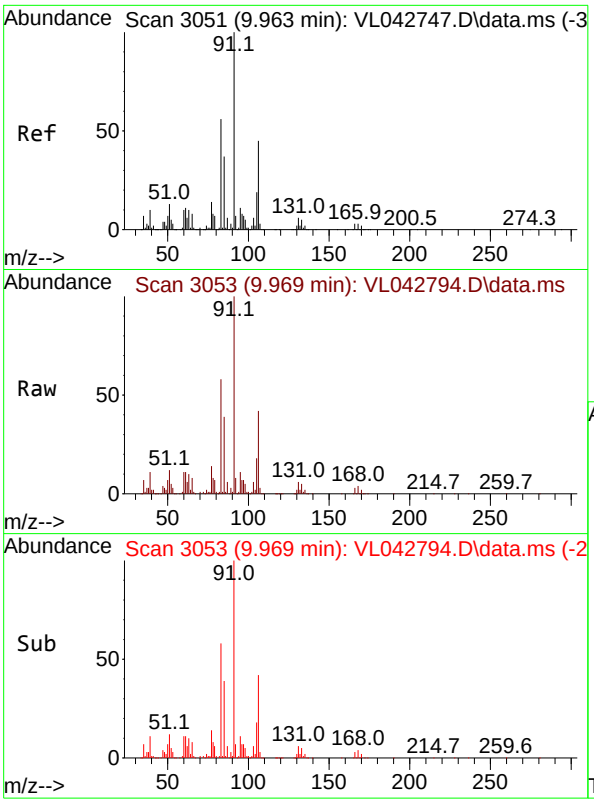


#62
Isopropylbenzene
Concen: 11.304 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 731077

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.5	30.7



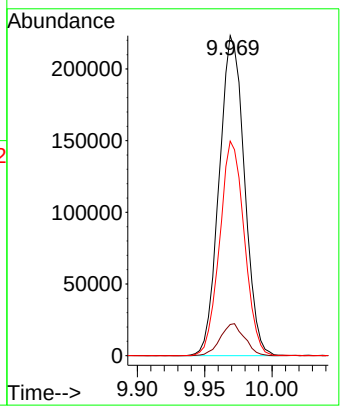


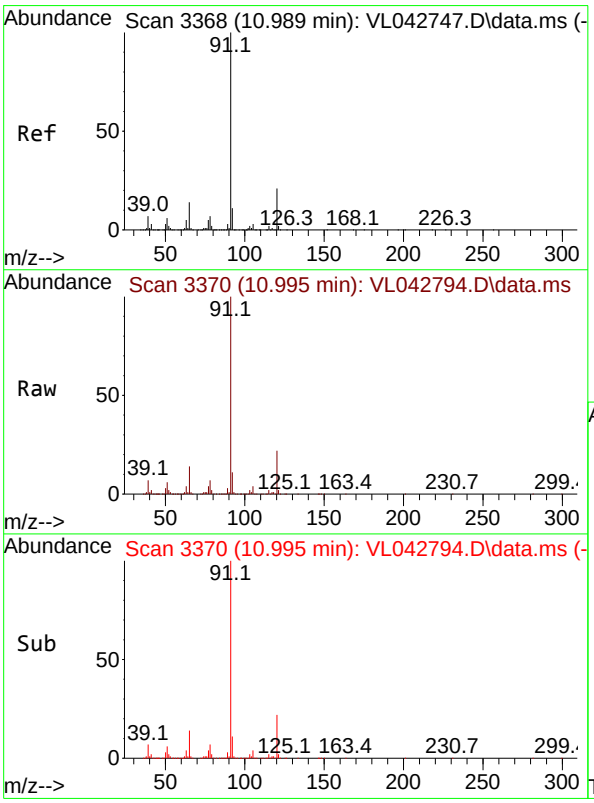
#63
1,1,2,2-Tetrachloroethane
Concen: 10.323 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 83 Resp: 290577

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	65.6	32.6	97.7

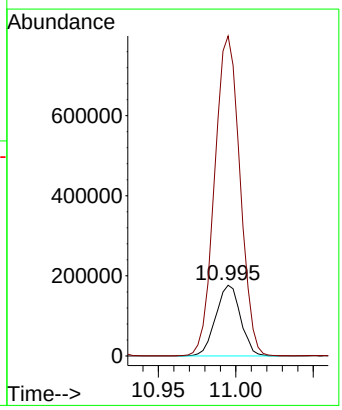


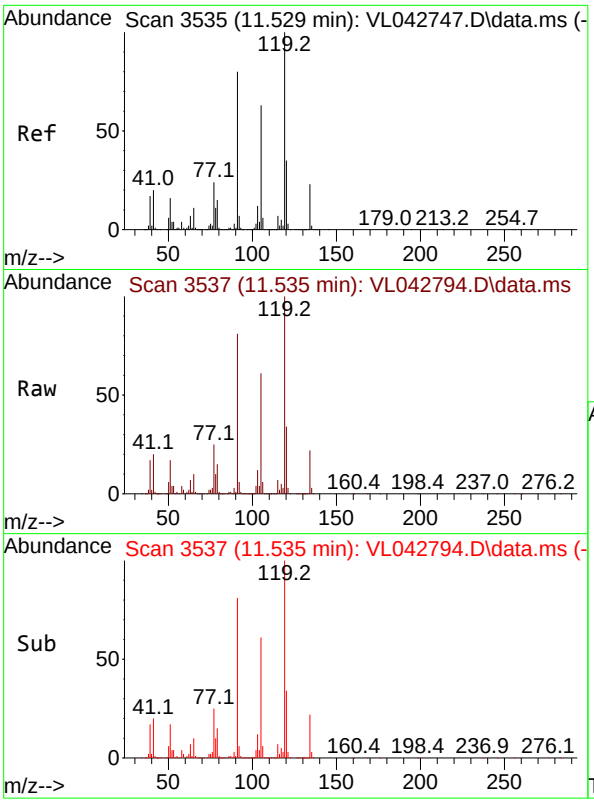


#64
n-propylbenzene
Concen: 11.637 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:120 Resp: 196210

Ion	Ratio	Lower	Upper
120	100		
91	464.6	372.7	559.1



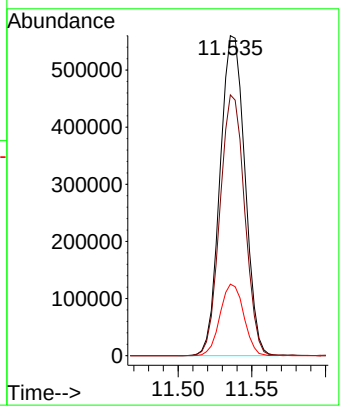


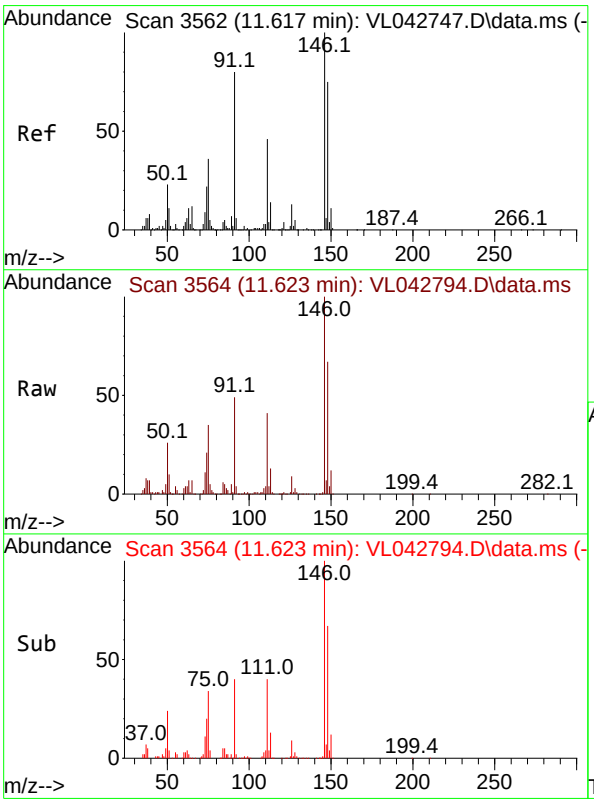
#65
tert-Butylbenzene
Concen: 11.427 ppbv
RT: 11.535 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:119 Resp: 656497

Ion	Ratio	Lower	Upper
119	100		
91	81.0	64.0	96.0
134	21.4	17.3	25.9

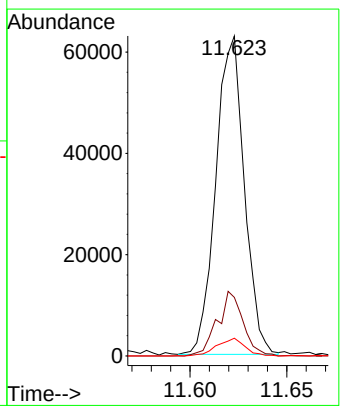


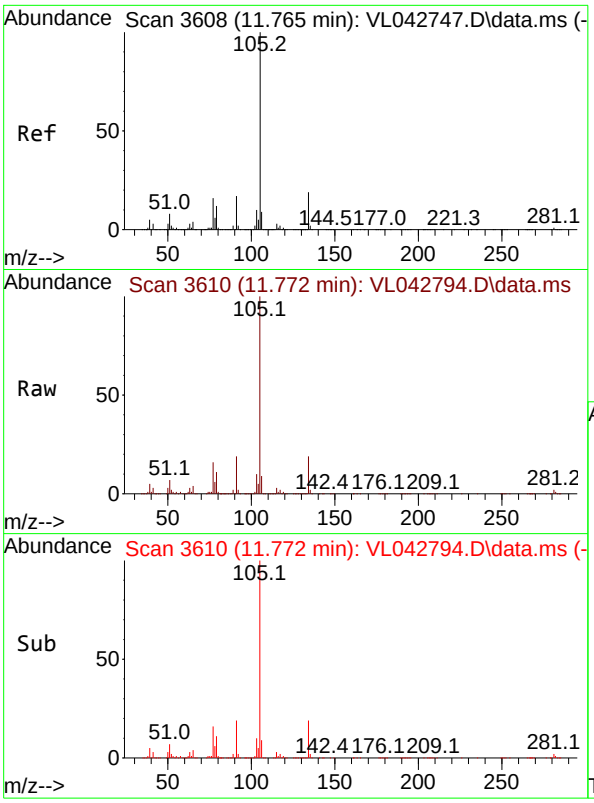


#66
Benzyl Chloride
Concen: 13.634 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 64301

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.4	21.6
128	5.6	5.2	7.8



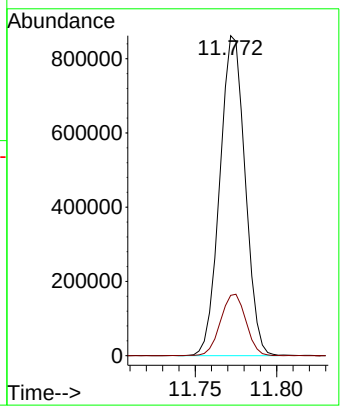


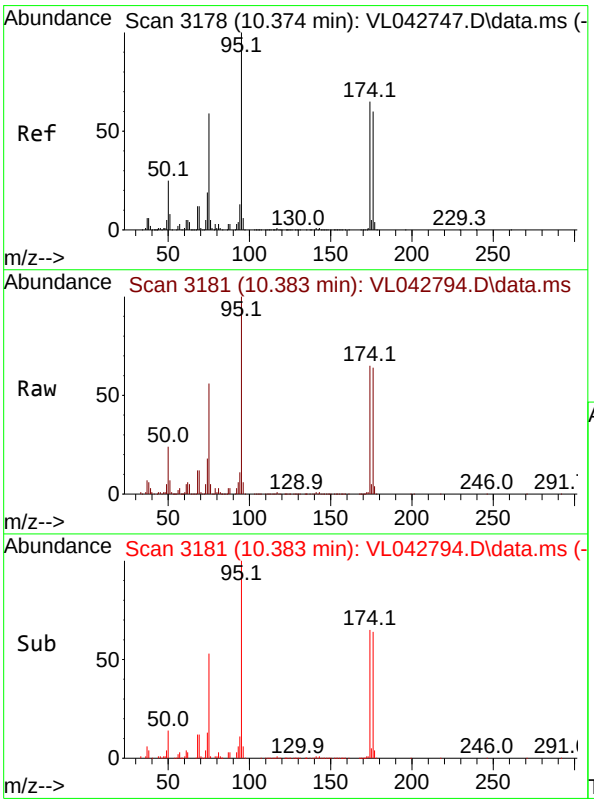
#67
sec-Butylbenzene
Concen: 11.374 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:105 Resp: 929357

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.5	23.3

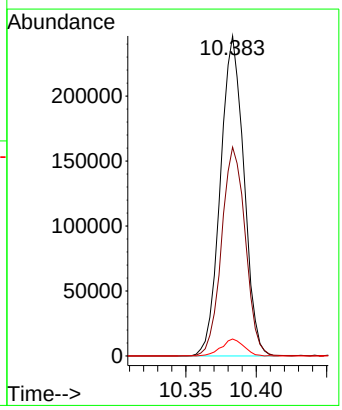


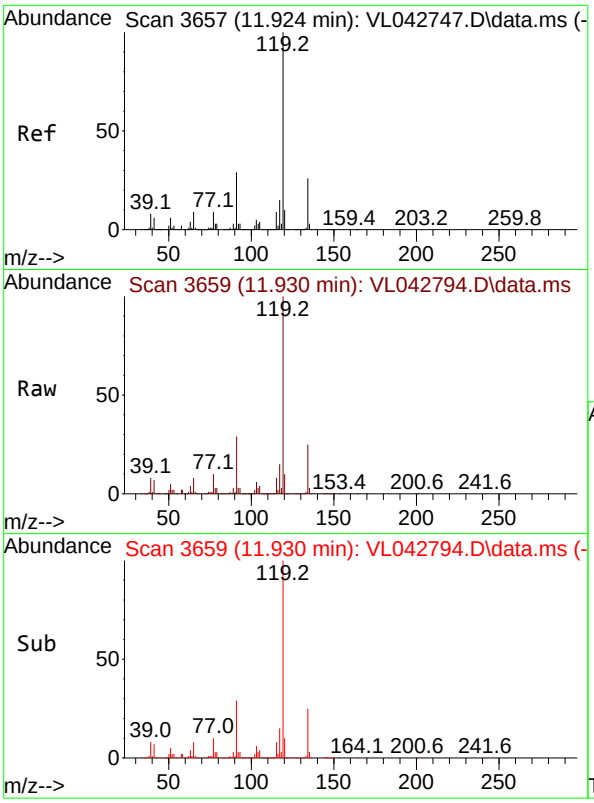


#68
1-Bromo-4-Fluorobenzene
Concen: 10.386 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.009 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 95 Resp: 285966

Ion	Ratio	Lower	Upper
95	100		
174	66.1	53.8	80.6
175	5.1	4.0	6.0



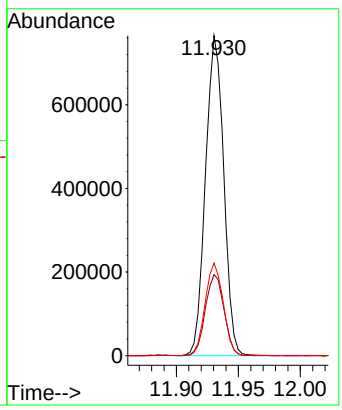


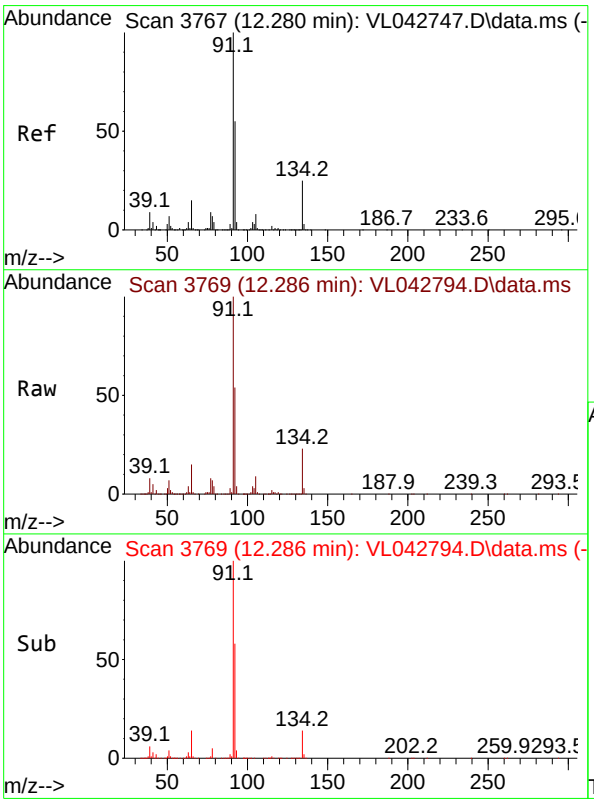
#69
p-Isopropyltoluene
Concen: 11.766 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:119 Resp: 783925

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	28.9	23.2	34.8

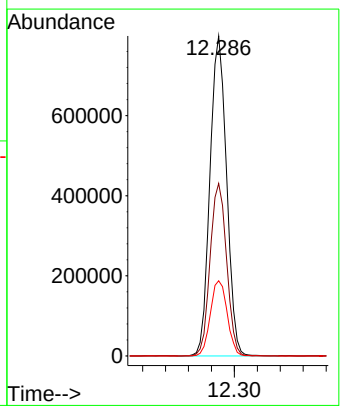


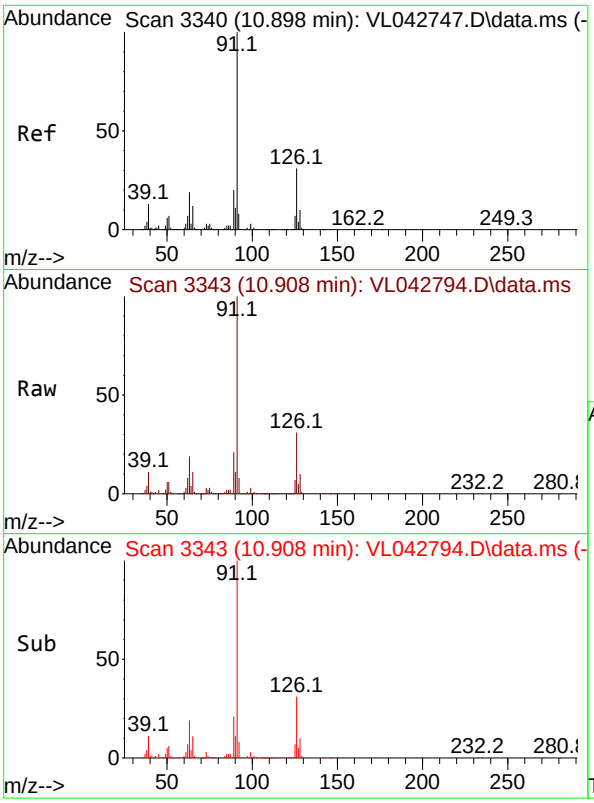


#70
n-Butylbenzene
Concen: 12.474 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion: 91 Resp: 802758

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.4	65.2
134	23.9	19.6	29.4



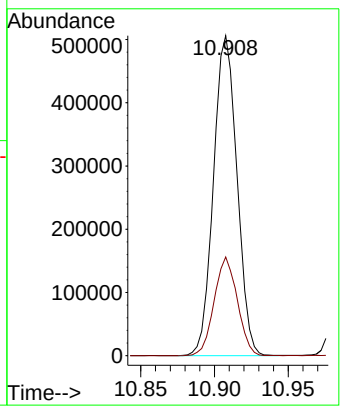


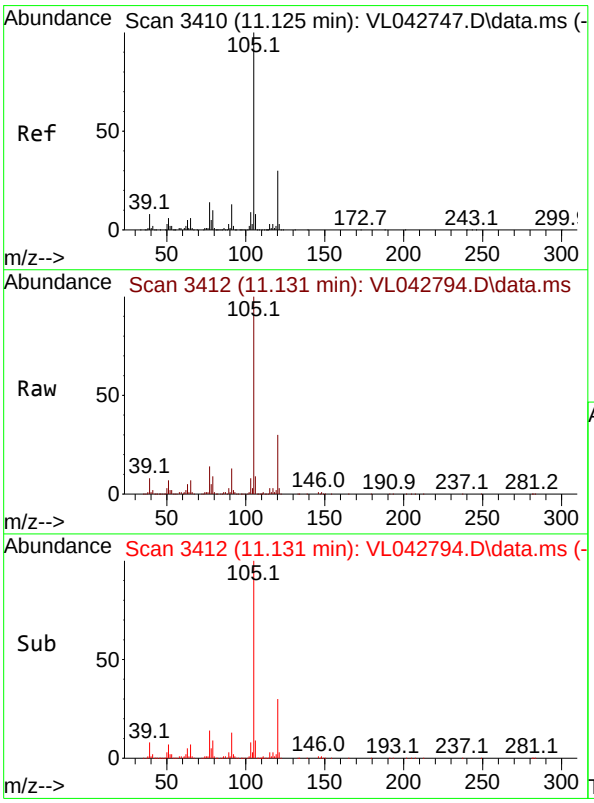
#71
2-Chlorotoluene
Concen: 11.306 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion: 91 Resp: 560672

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2

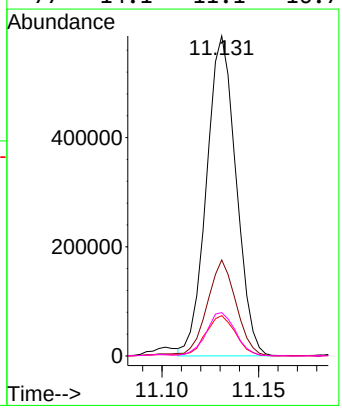


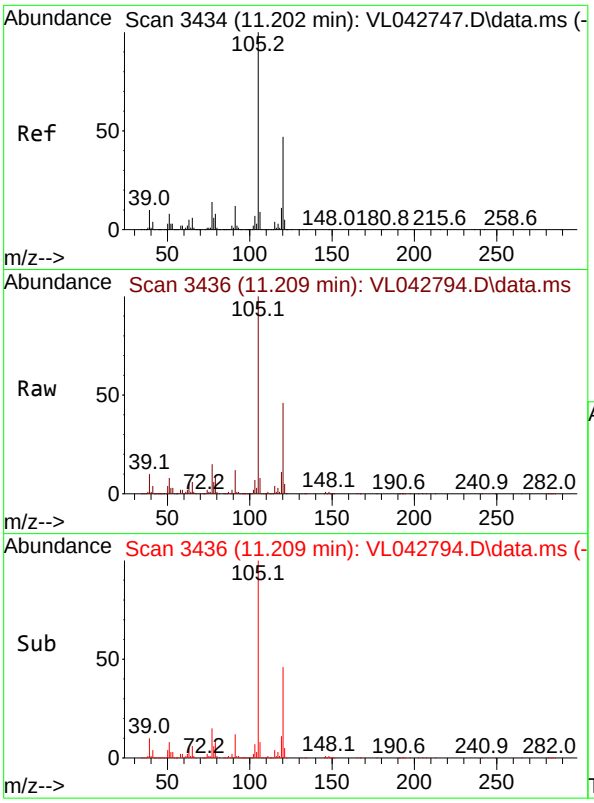


#72
4-Ethyltoluene
Concen: 11.893 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 622768

Ion	Ratio	Lower	Upper
105	100		
120	29.9	24.4	36.6
91	13.0	10.6	15.8
77	14.1	11.1	16.7



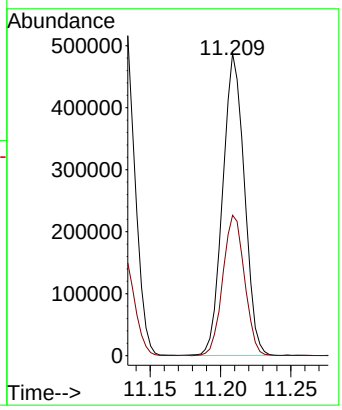


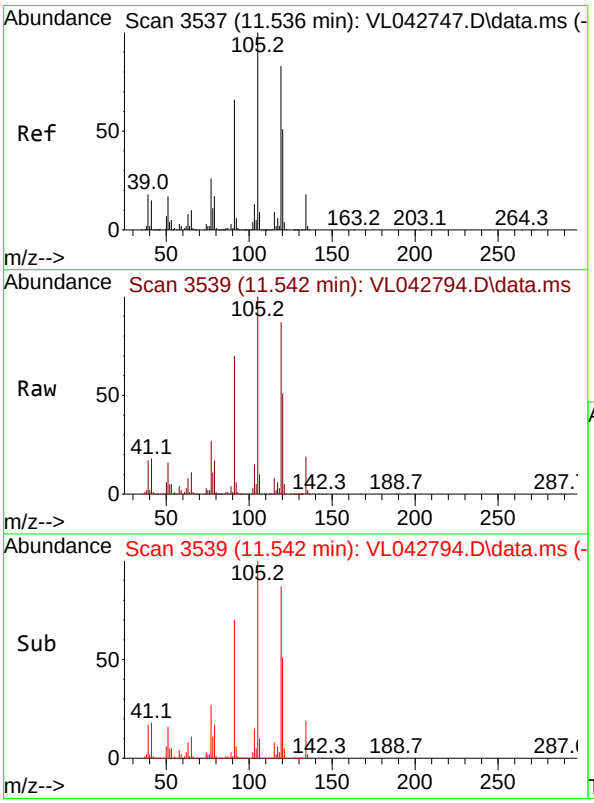
#73
1,3,5-Trimethylbenzene
Concen: 12.114 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:105 Resp: 522269

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.8	56.8

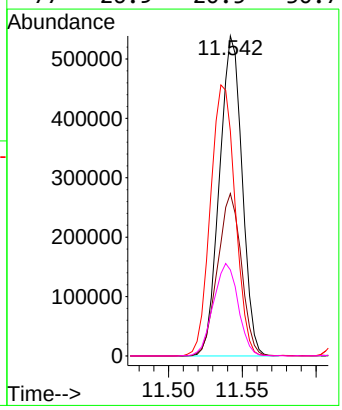


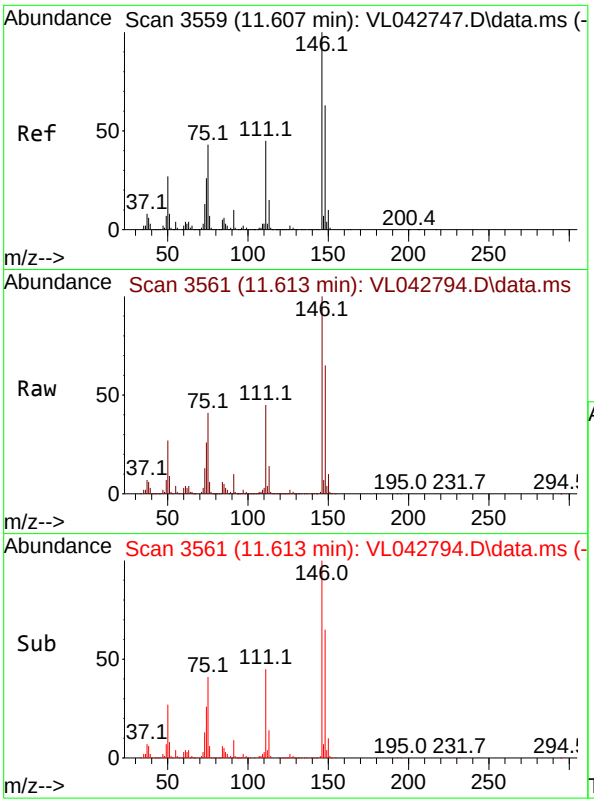


#74
1,2,4-Trimethylbenzene
Concen: 12.248 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:105 Resp: 576097

Ion	Ratio	Lower	Upper
105	100		
120	50.7	40.8	61.2
91	70.2	53.0	79.4
77	26.9	20.5	30.7



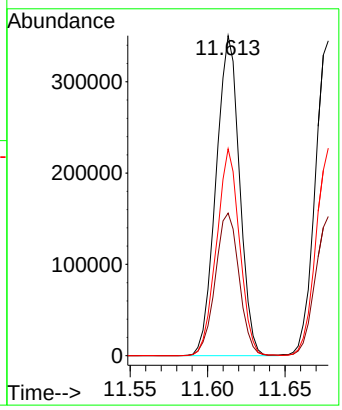


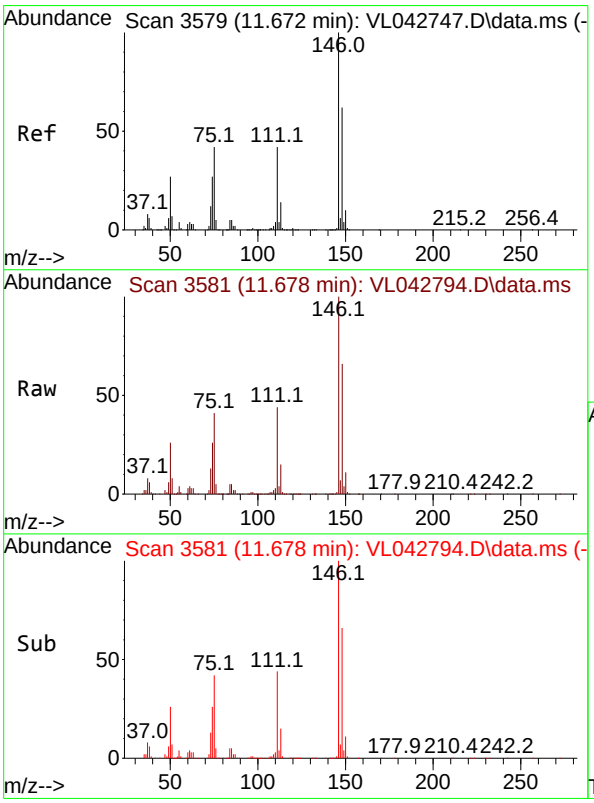
#75
1,3-Dichlorobenzene
Concen: 11.224 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:146 Resp: 370097

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	63.4	31.9	95.5

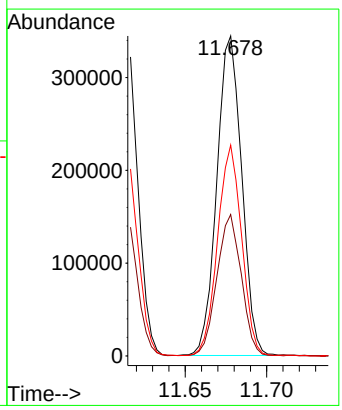


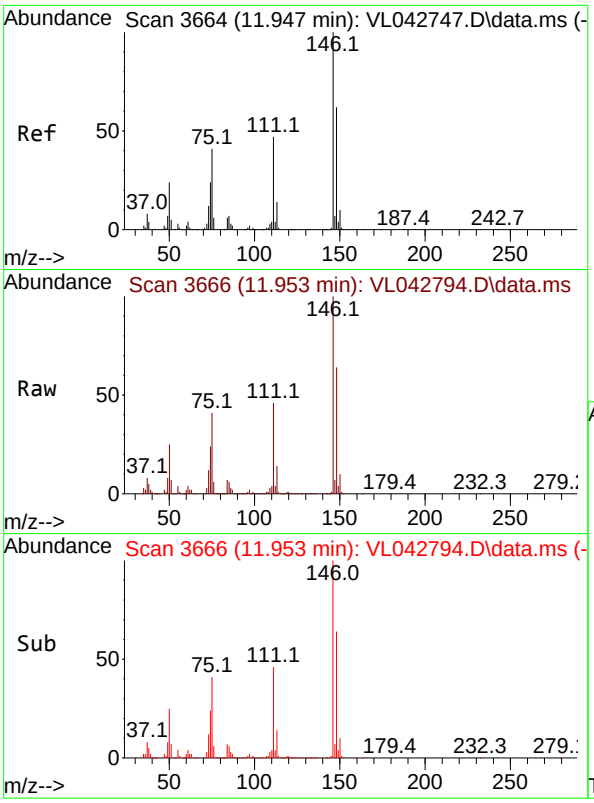


#76
1,4-Dichlorobenzene
Concen: 11.326 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:146 Resp: 365448

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.2
148	63.8	32.1	96.3



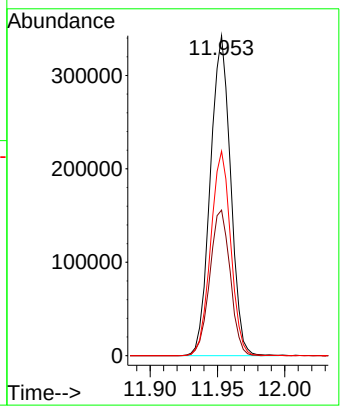


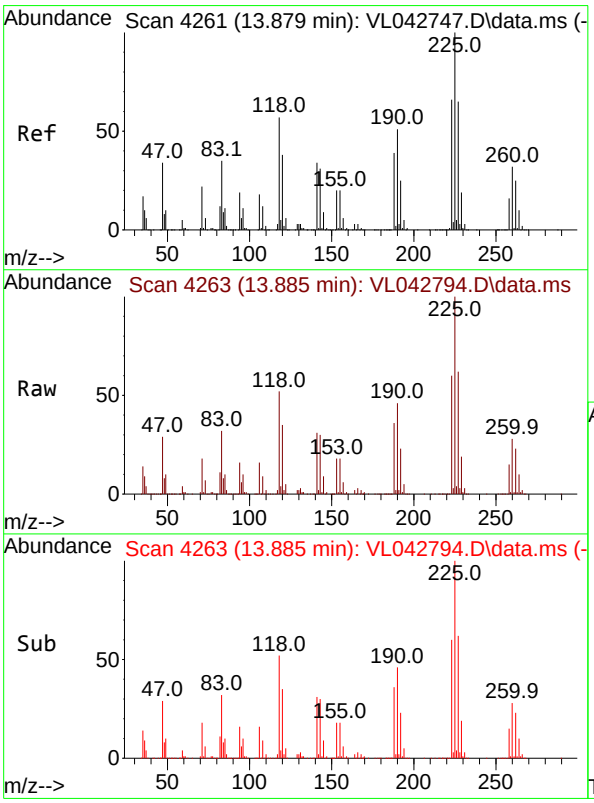
#77
1,2-Dichlorobenzene
Concen: 11.043 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:146 Resp: 357874

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.7	71.1
148	63.4	32.6	97.7

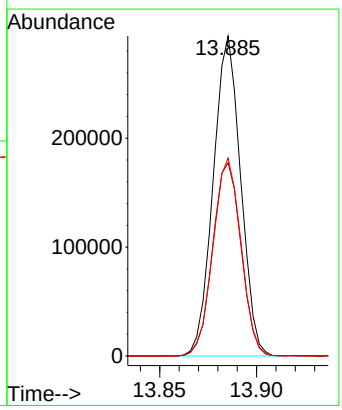


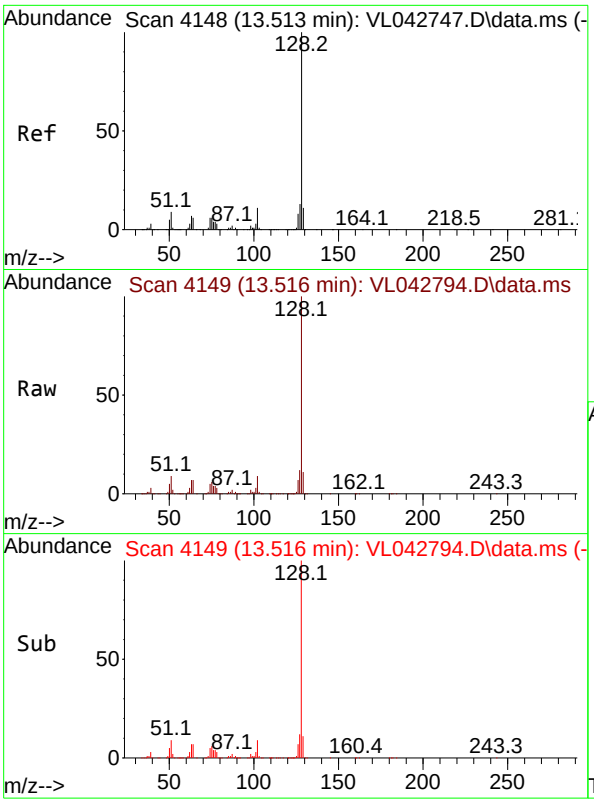


#78
Hexachloro-1,3-Butadiene
Concen: 9.863 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:225 Resp: 289316

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.1	50.5	75.7



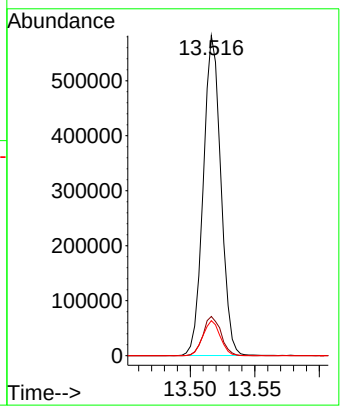


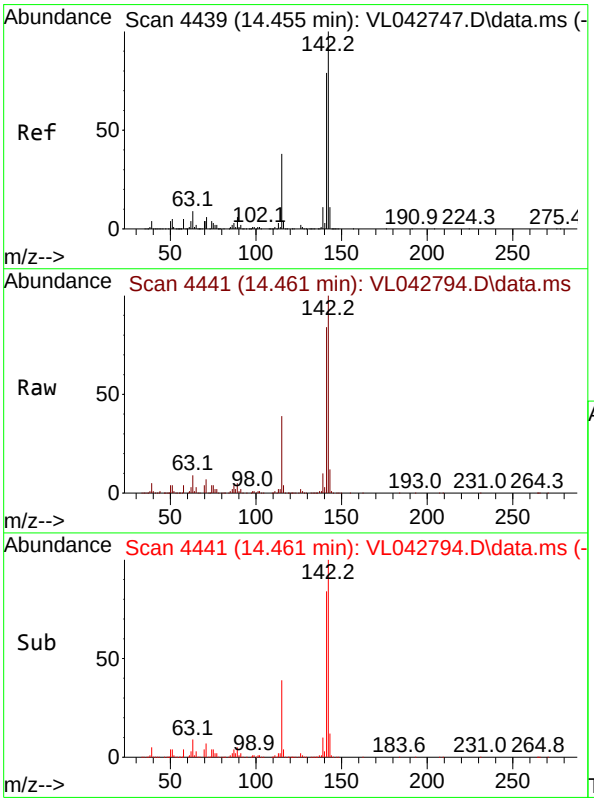
#79
Naphthalene
Concen: 10.791 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:128 Resp: 552592

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.9	8.6	13.0

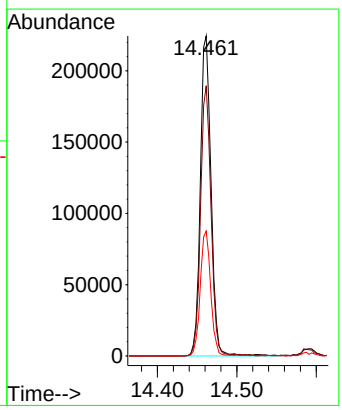


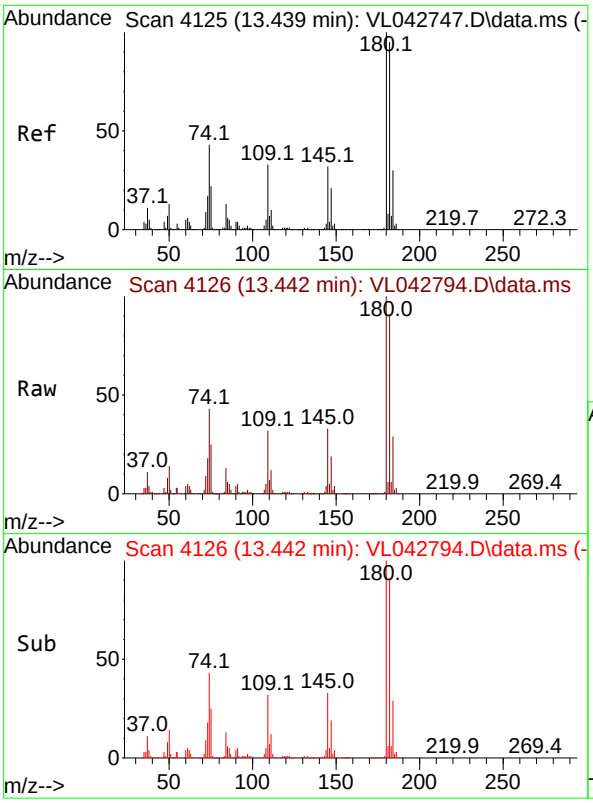


#80
Naphthalene,2-methyl-
Concen: 8.445 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.006 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Tgt Ion:142 Resp: 210490

Ion	Ratio	Lower	Upper
142	100		
141	83.5	65.8	98.8
115	38.7	31.2	46.8



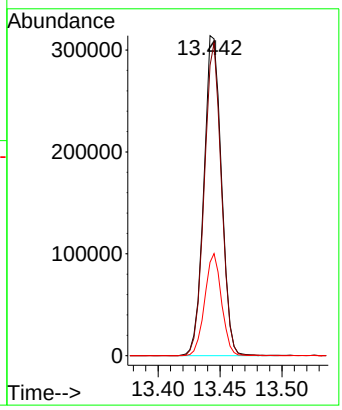


#81
1,2,4-Trichlorobenzene
Concen: 10.803 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042794.D
Acq: 31 Jul 2025 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABSD01

Tgt Ion:180 Resp: 310917

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.5	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	133104	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413632	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	370372	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279557	10.064	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	178799	9.166	ppbv	100
3) Chlorodifluoromethane	1.476	51	200866	9.306	ppbv	100
4) Chloromethane	1.534	50	70952	9.013	ppbv	100
5) Vinyl Chloride	1.583	62	66768	8.612	ppbv	100
6) Bromomethane	1.670	94	26964	8.698	ppbv	100
7) Chloroethane	1.706	64	26884	8.879	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	149341	9.355	ppbv	100
9) Propene	1.486	41	87352	9.380	ppbv	100
10) Heptane	4.988	43	228679	9.186	ppbv	100
11) Trichlorofluoromethane	1.881	101	169157	8.789	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	139340	9.083	ppbv	100
13) Ethanol	1.722	45	6172	6.690	ppbv	100
14) Bromoethene	1.784	108	50730	9.135	ppbv	100
15) Acetone	1.839	43	126419	7.180	ppbv	100
16) 1,3-Butadiene	1.612	39	66595	8.343	ppbv	100
17) tert-Butyl alcohol	2.043	59	182511	8.741	ppbv	100
18) 1,1-Dichloroethene	2.036	96	62397	9.252	ppbv	100
19) Isopropyl Alcohol	1.887	45	86367	8.213	ppbv	100
20) Methylene Chloride	2.065	84	55107	7.471	ppbv	100
21) Allyl Chloride	2.098	41	113105	9.093	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	71518	9.482	ppbv	100
23) Vinyl Acetate	2.467	43	221395	9.558	ppbv	100
24) 1,1-Dichloroethane	2.412	63	138444	8.885	ppbv	100
25) Ethyl Acetate	2.839	43	390295	9.159	ppbv	100
26) Hexane	2.829	57	185288	9.420	ppbv	100
27) Carbon Disulfide	2.153	76	174928	9.138	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	87929	8.767	ppbv	100
29) Chloroform	2.852	83	257176	9.158	ppbv	100
30) Cyclohexane	3.862	84	161540	9.367	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	179162	9.107	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	266021	8.946	ppbv	100
34) 2-Butanone	2.560	43	252300	9.033	ppbv	100
35) Carbon Tetrachloride	3.771	117	262983	9.222	ppbv	100
36) Benzene	3.664	78	377113	9.521	ppbv	100
37) 1,2-Dichloroethane	3.224	62	199762	9.653	ppbv	100
38) Trichloroethene	4.557	130	164881	9.115	ppbv	100
39) 1,2-Dichloropropane	4.324	63	133996	9.263	ppbv	100
40) 1,4-Dioxane	4.590	88	61378	9.064	ppbv #	100
41) Tetrahydrofuran	3.059	42	147025	9.442	ppbv	100
42) Bromodichloromethane	4.499	83	292909	9.499	ppbv	100
43) Methyl Methacrylate	4.891	69	152035	9.357	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	626465	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	177207	9.616	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

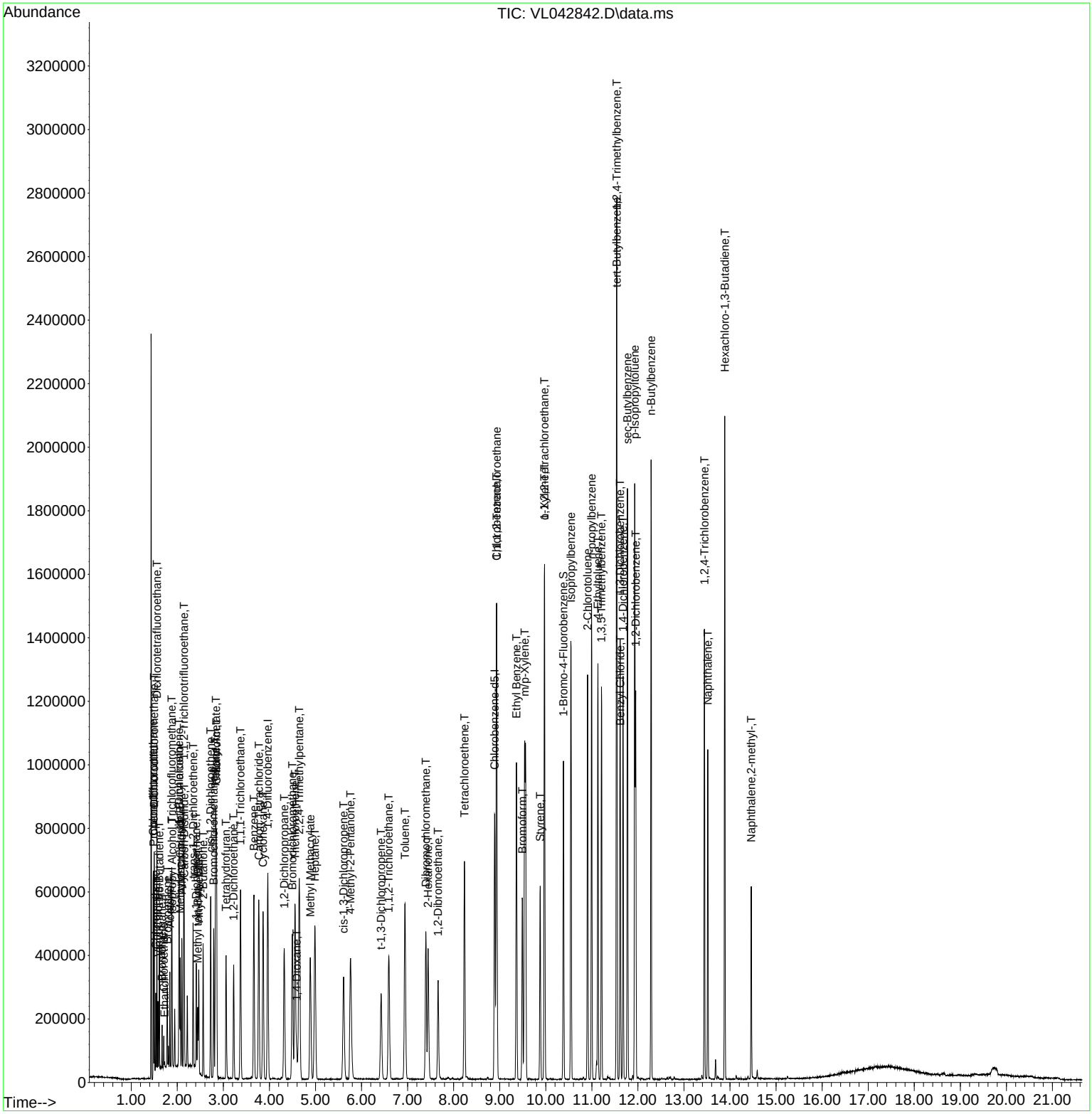
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	222921	9.635	ppbv		100
47) 1,1,2-Trichloroethane	6.590	97	141105	9.215	ppbv		100
48) Dibromochloromethane	7.396	129	241553	9.739	ppbv		100
49) Bromoform	9.490	173	202975	9.923	ppbv		100
50) 4-Methyl-2-Pentanone	5.761	43	364306	9.616	ppbv		100
51) 2-Hexanone	7.441	43	289052	9.730	ppbv	#	100
52) Tetrachloroethene	8.234	164	129484	9.026	ppbv		100
53) Toluene	6.943	91	443400	9.407	ppbv		100
54) 1,2-Dibromoethane	7.661	107	209330	9.345	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.933	131	176135	9.196	ppbv		100
57) Chlorobenzene	8.930	112	325303	9.237	ppbv		100
58) Ethyl Benzene	9.364	91	605785	9.268	ppbv		100
59) m/p-Xylene	9.542	91	539072	10.505	ppbv	#	100
60) o-Xylene	9.972	91	469073	9.102	ppbv		100
61) Styrene	9.879	104	226056	9.362	ppbv		100
62) Isopropylbenzene	10.549	105	685983	9.108	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	249621	8.870	ppbv		100
64) n-propylbenzene	10.995	120	175986	9.158	ppbv		100
65) tert-Butylbenzene	11.539	119	594314	8.951	ppbv		100
66) Benzyl Chloride	11.620	91	84156	9.985	ppbv		100
67) sec-Butylbenzene	11.772	105	833378	8.943	ppbv		100
69) p-Isopropyltoluene	11.931	119	705700	8.820	ppbv		100
70) n-Butylbenzene	12.287	91	713713	8.995	ppbv		100
71) 2-Chlorotoluene	10.908	91	525235	8.981	ppbv		100
72) 4-Ethyltoluene	11.131	105	578931	9.267	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	478784	9.012	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	516253	8.853	ppbv		100
75) 1,3-Dichlorobenzene	11.613	146	307640	9.280	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	308542	9.203	ppbv		100
77) 1,2-Dichlorobenzene	11.953	146	289119	8.907	ppbv		100
78) Hexachloro-1,3-Butadiene	13.885	225	211996	7.968	ppbv		100
79) Naphthalene	13.516	128	487174	9.335	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	176880	9.000	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	244998	9.220	ppbv		100

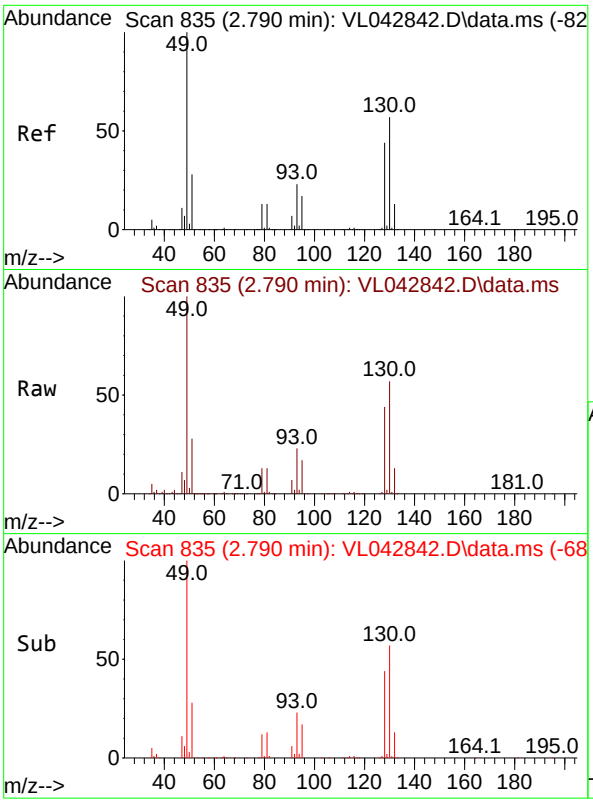
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



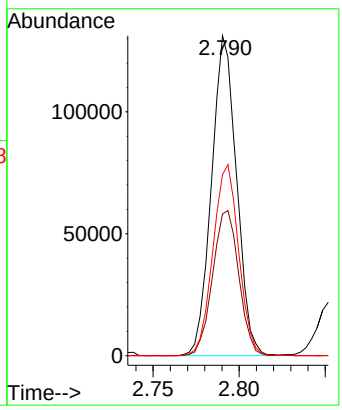


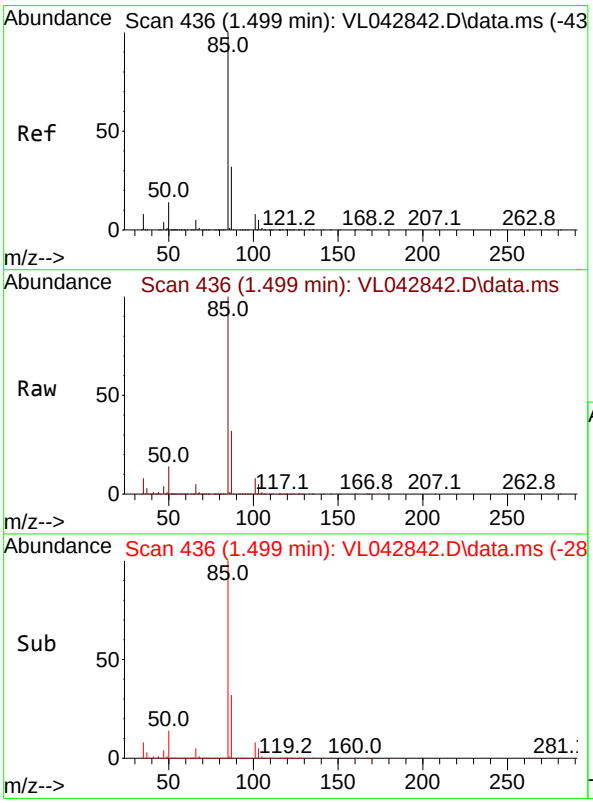
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 133104

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.7	71.1
130	61.1	30.6	91.6

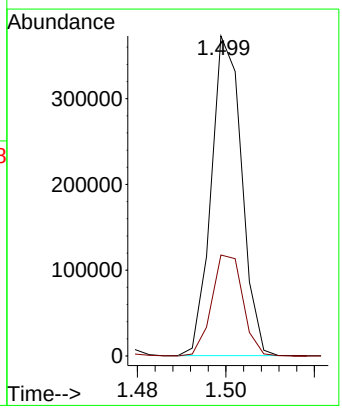


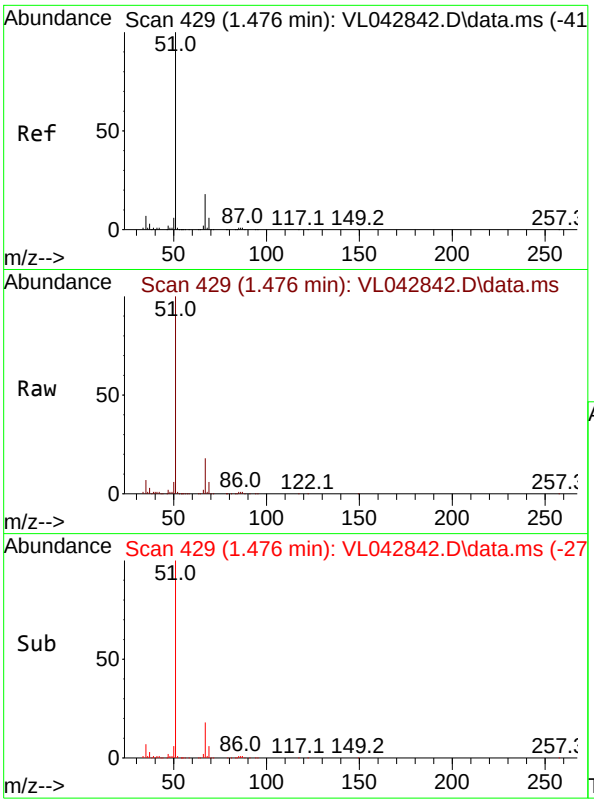


#2
Dichlorodifluoromethane
Concen: 9.166 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 178799

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9



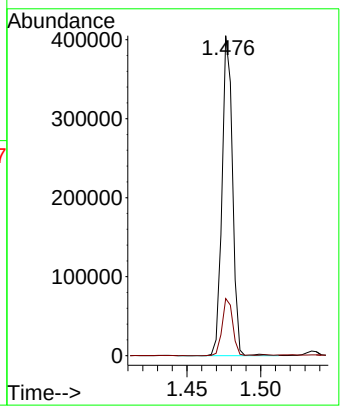


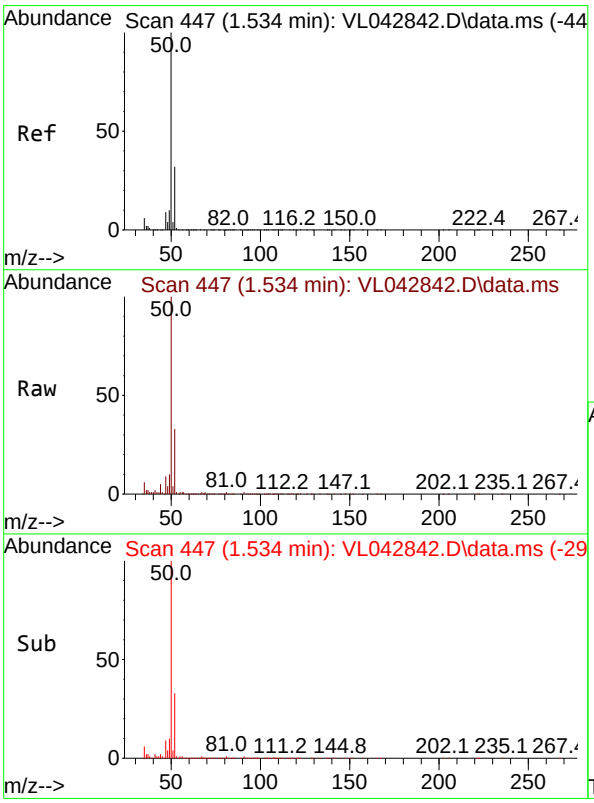
#3
Chlorodifluoromethane
Concen: 9.306 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 200866

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

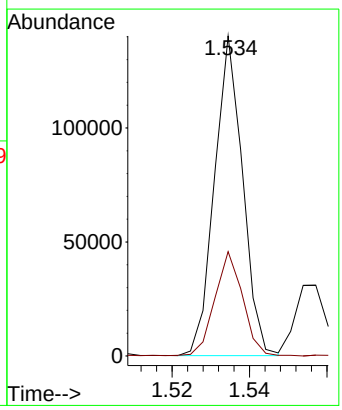


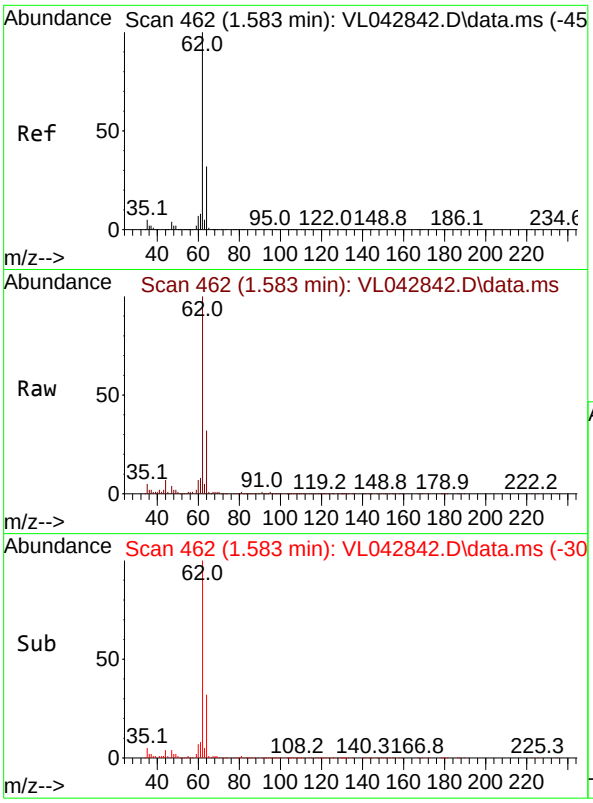


#4
Chloromethane
Concen: 9.013 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 50 Resp: 70952

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



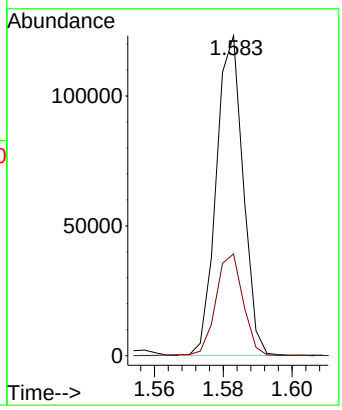


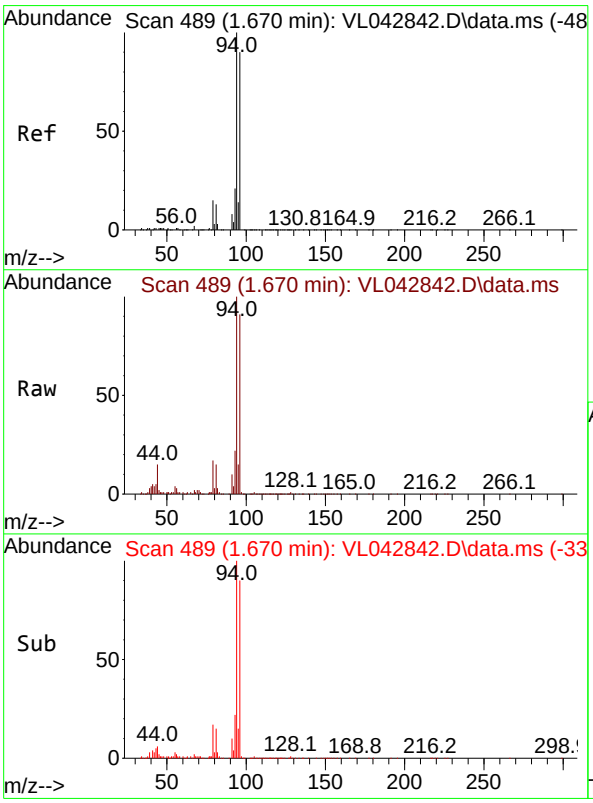
#5
Vinyl Chloride
Concen: 8.612 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 66768

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2

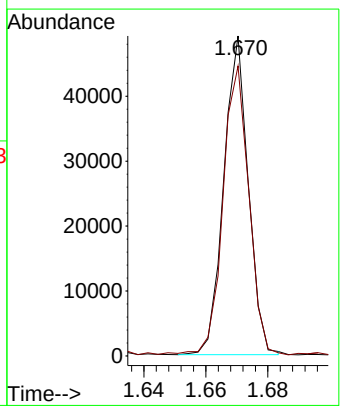


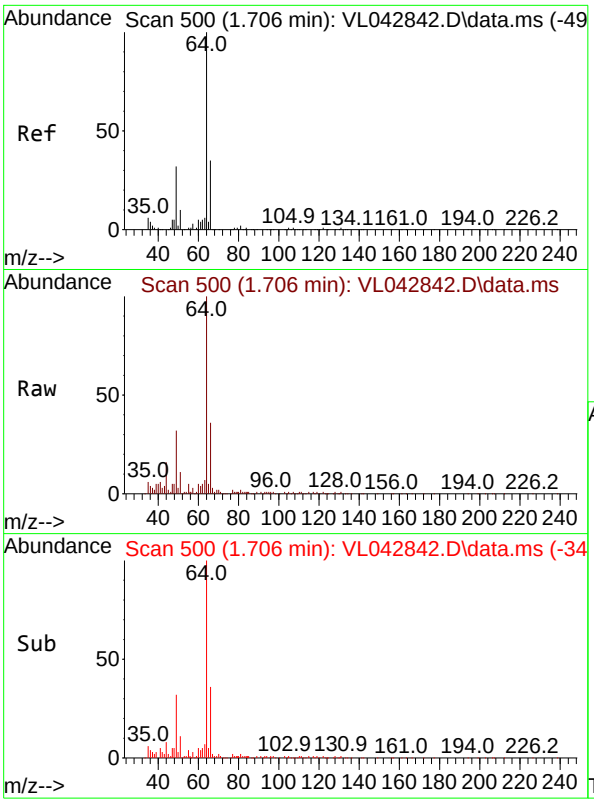


#6
Bromomethane
Concen: 8.698 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 94 Resp: 26964

Ion	Ratio	Lower	Upper
94	100		
96	90.1	72.1	108.1



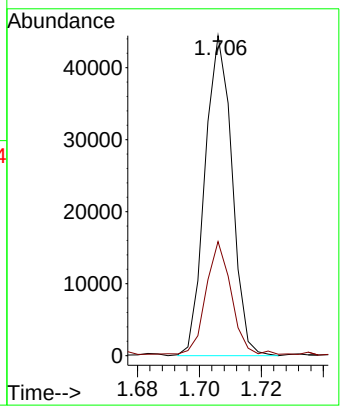


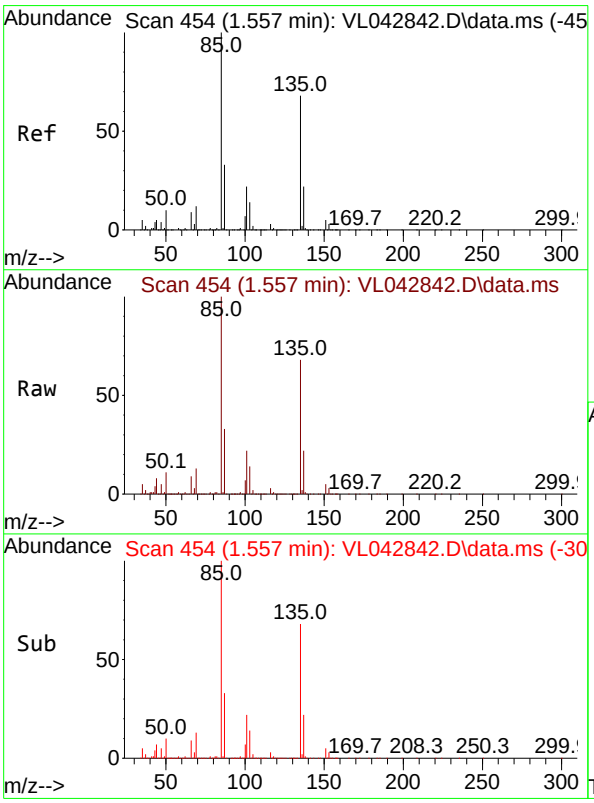
#7
Chloroethane
Concen: 8.879 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 26884

Ion	Ratio	Lower	Upper
64	100		
66	35.7	28.6	42.8

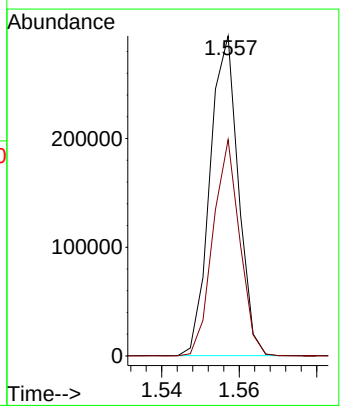


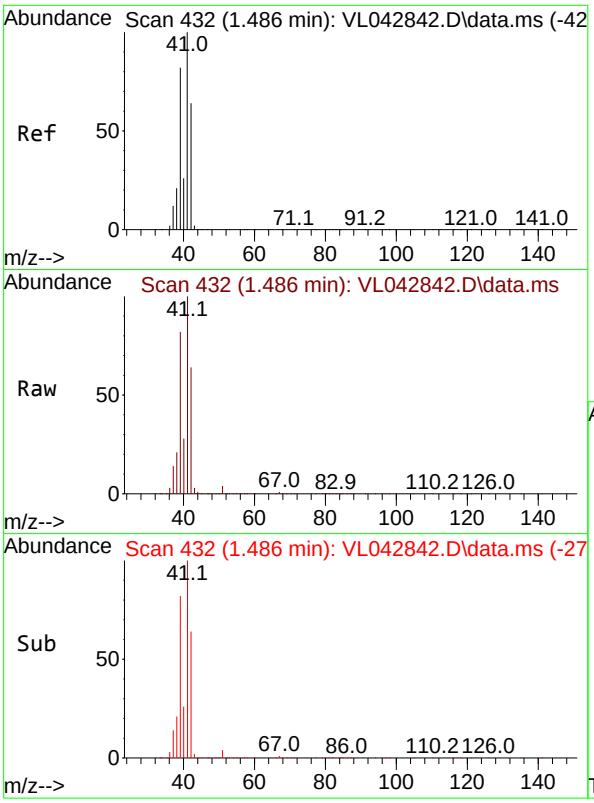


#8
Dichlorotetrafluoroethane
Concen: 9.355 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 85 Resp: 149341

Ion	Ratio	Lower	Upper
85	100		
135	64.0	51.2	76.8



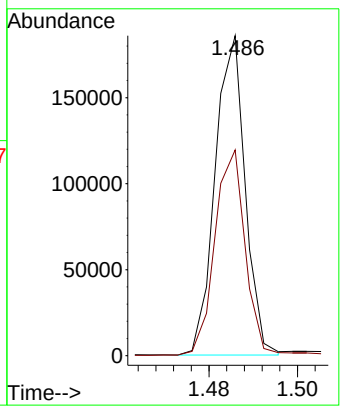


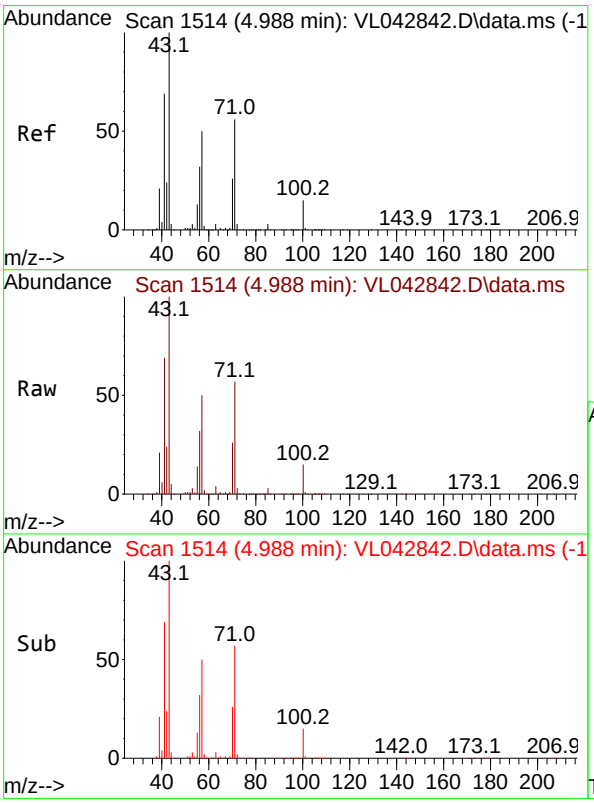
#9
Propene
Concen: 9.380 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 87352

Ion	Ratio	Lower	Upper
41	100		
42	66.2	53.0	79.4

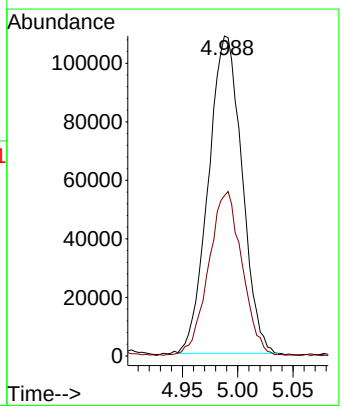


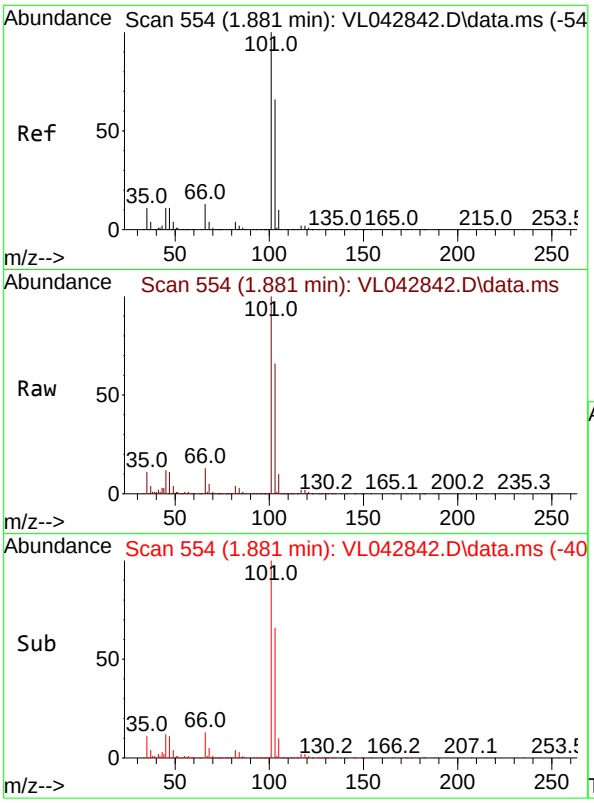


#10
Heptane
Concen: 9.186 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 228679

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.4	62.0



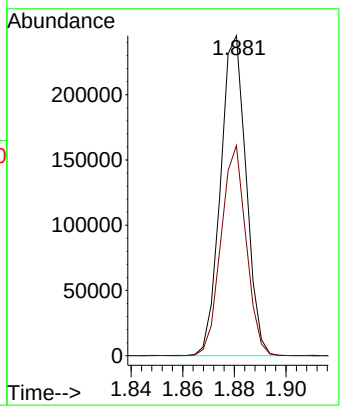


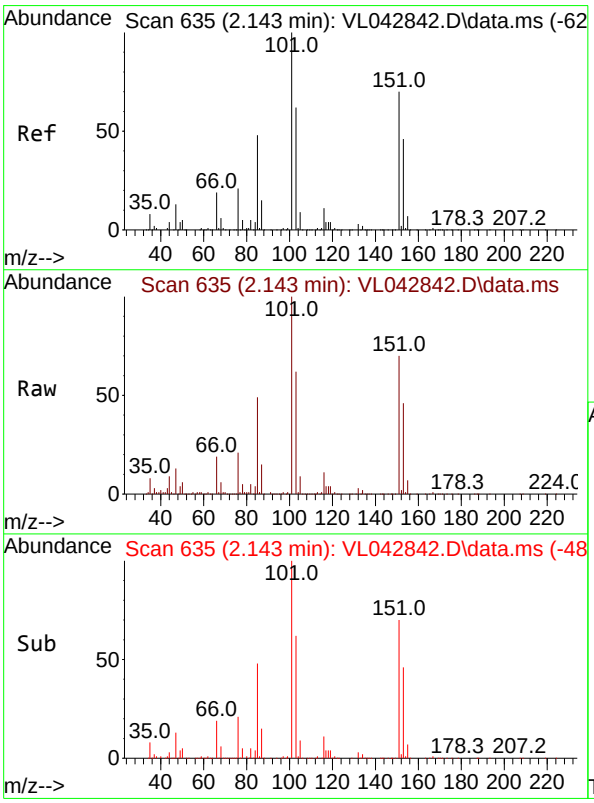
#11
Trichlorofluoromethane
Concen: 8.789 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 169157

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

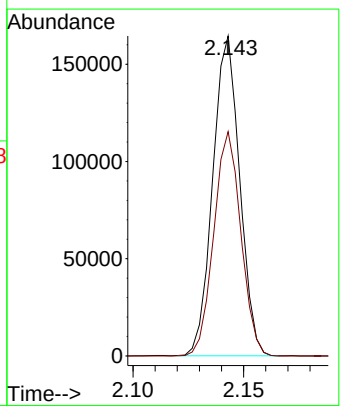


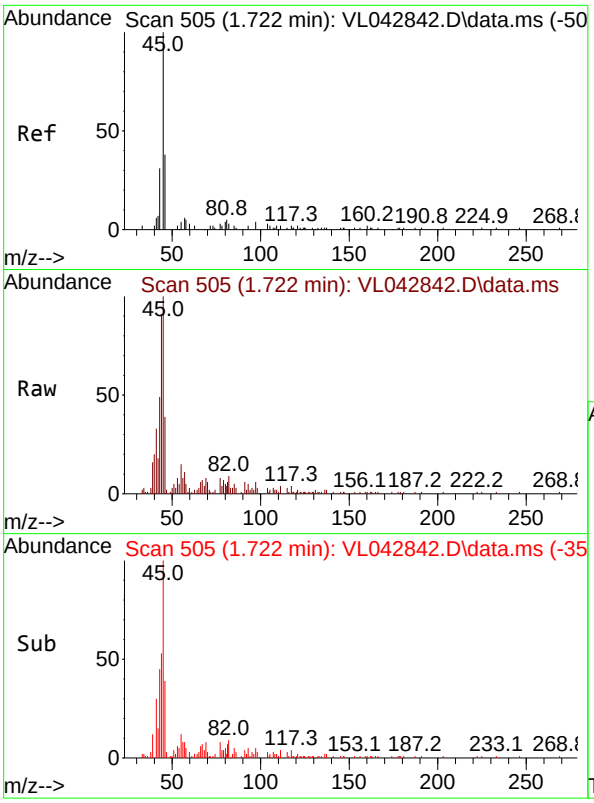


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.083 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:101 Resp: 139340

Ion	Ratio	Lower	Upper
101	100		
151	70.5	56.4	84.6



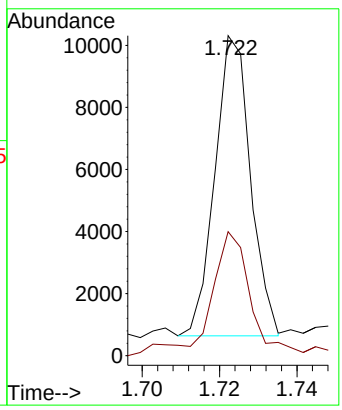


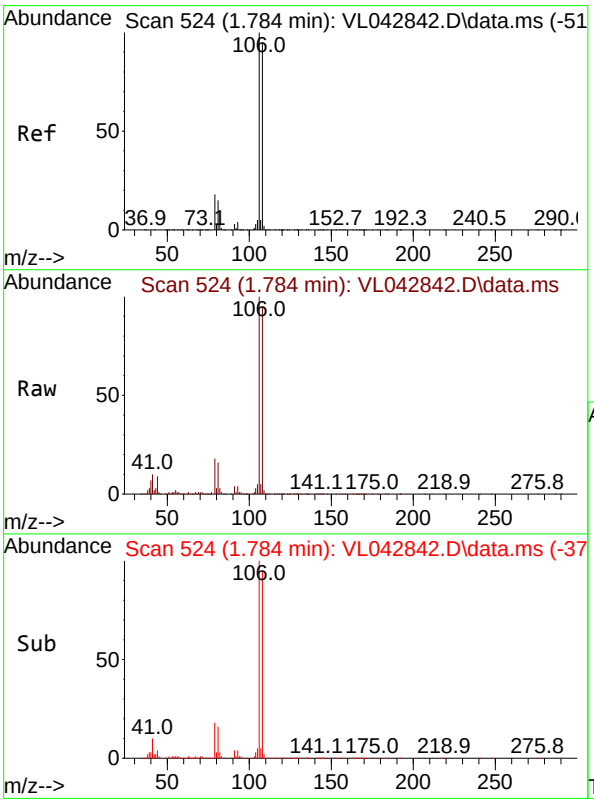
#13
Ethanol
Concen: 6.690 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 6172

Ion	Ratio	Lower	Upper
45	100		
46	43.7	17.5	69.9

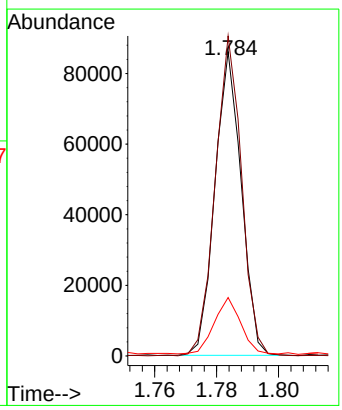


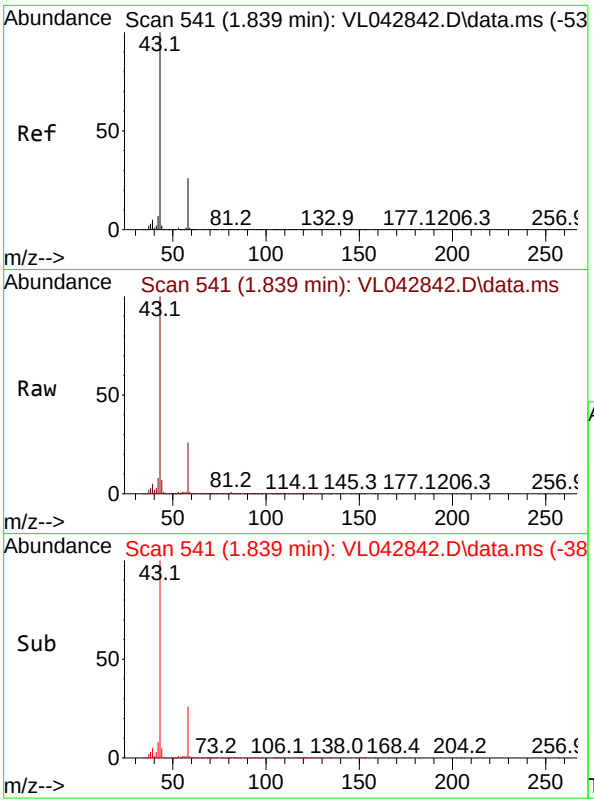


#14
Bromoethene
Concen: 9.135 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:108 Resp: 50730

Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.1	127.7
79	20.4	16.3	24.5



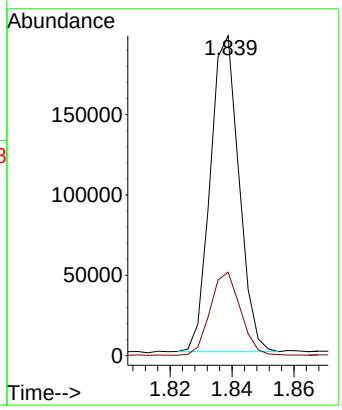


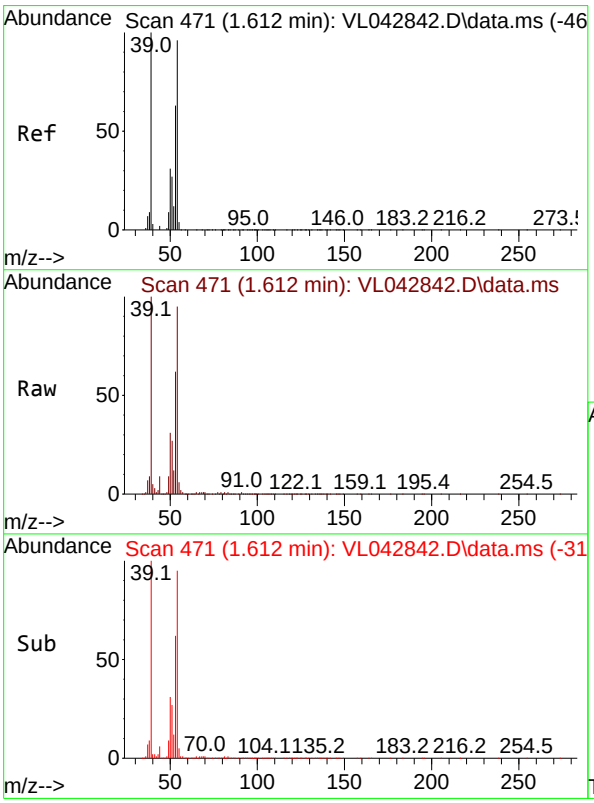
#15
Acetone
Concen: 7.180 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 126419

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6

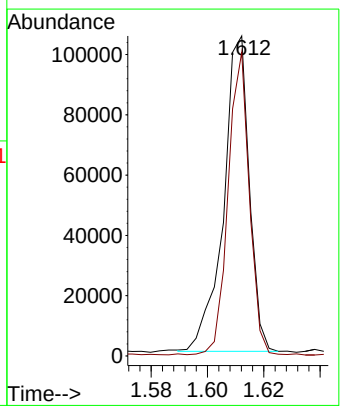


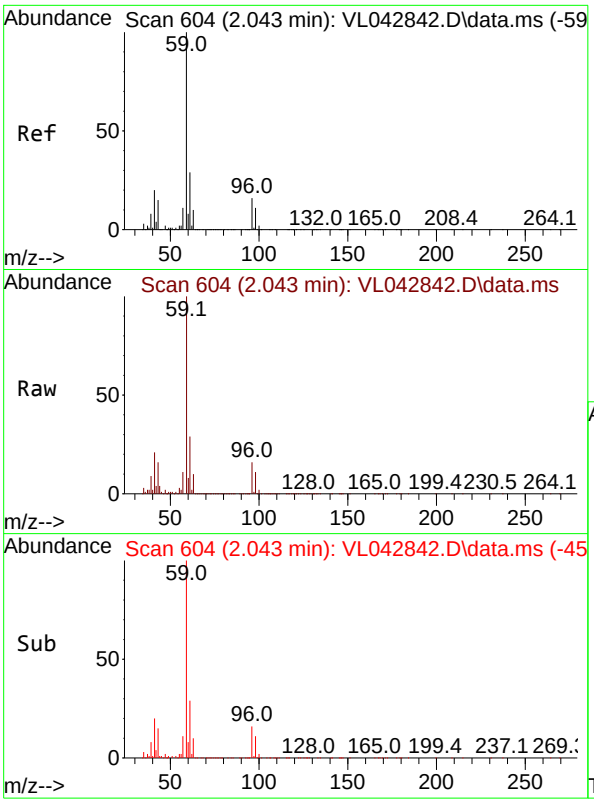


#16
1,3-Butadiene
Concen: 8.343 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 39 Resp: 66595

Ion	Ratio	Lower	Upper
39	100		
54	79.5	63.6	95.4



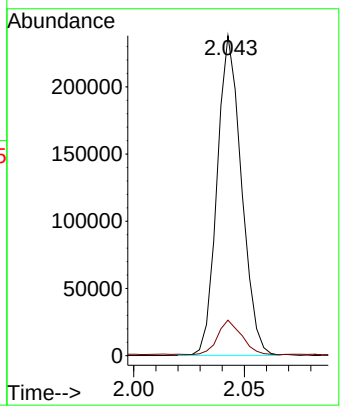


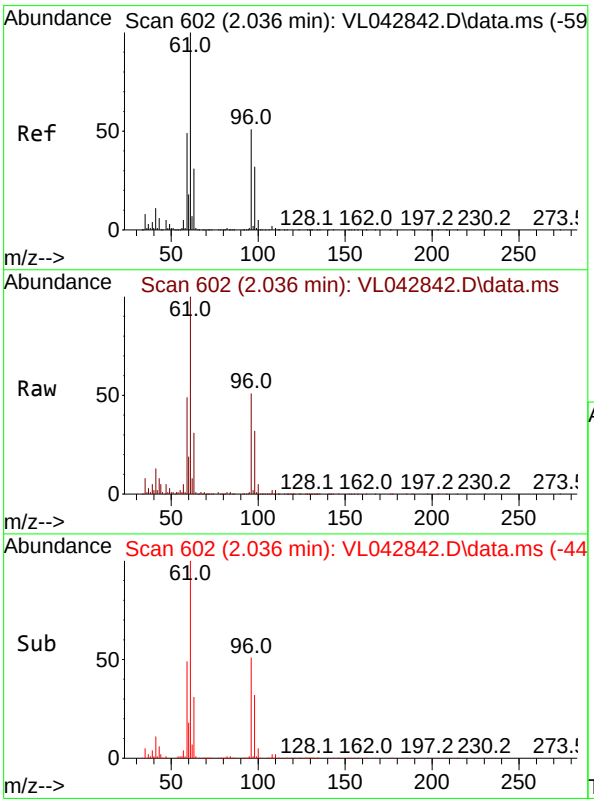
#17
tert-Butyl alcohol
Concen: 8.741 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 182511

Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

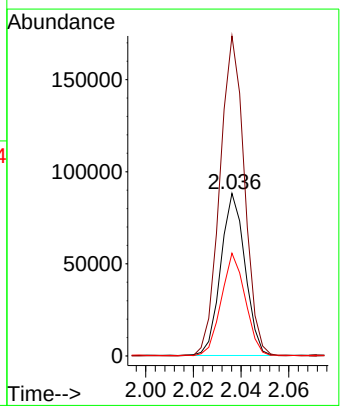


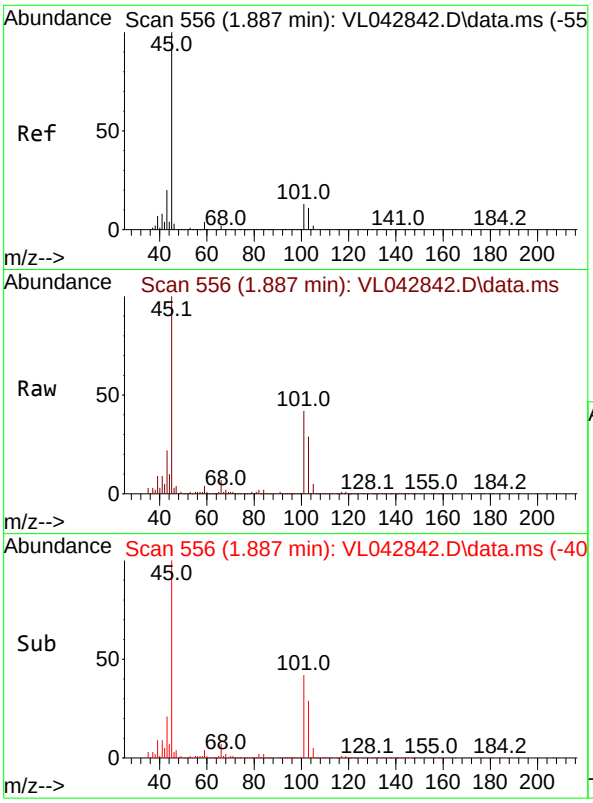


#18
1,1-Dichloroethene
Concen: 9.252 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 96 Resp: 62397

Ion	Ratio	Lower	Upper
96	100		
61	197.8	158.2	237.4
98	63.3	50.6	76.0



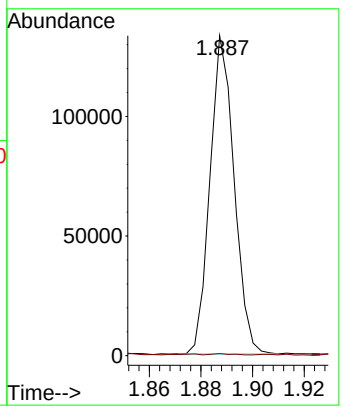


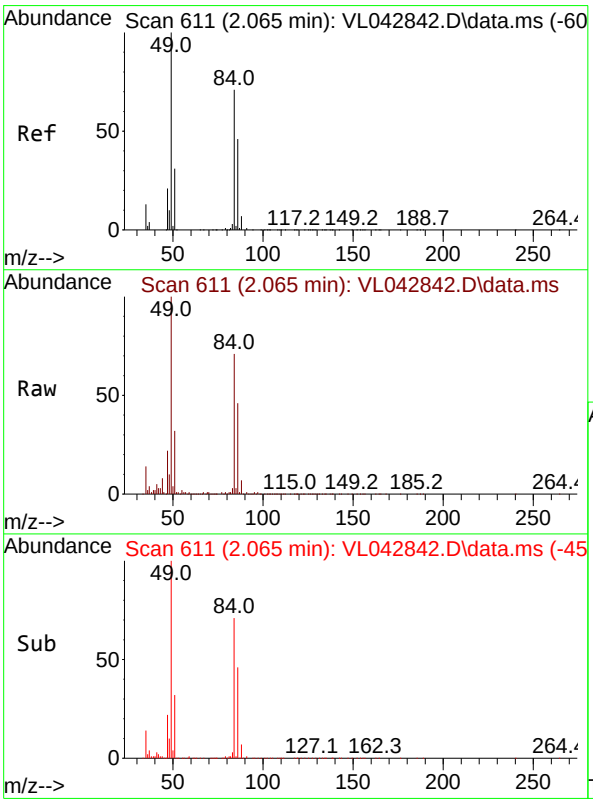
#19
Isopropyl Alcohol
Concen: 8.213 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 86367

Ion	Ratio	Lower	Upper
45	100		
58	40.9	32.7	49.1

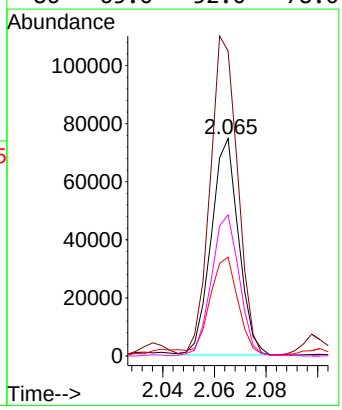


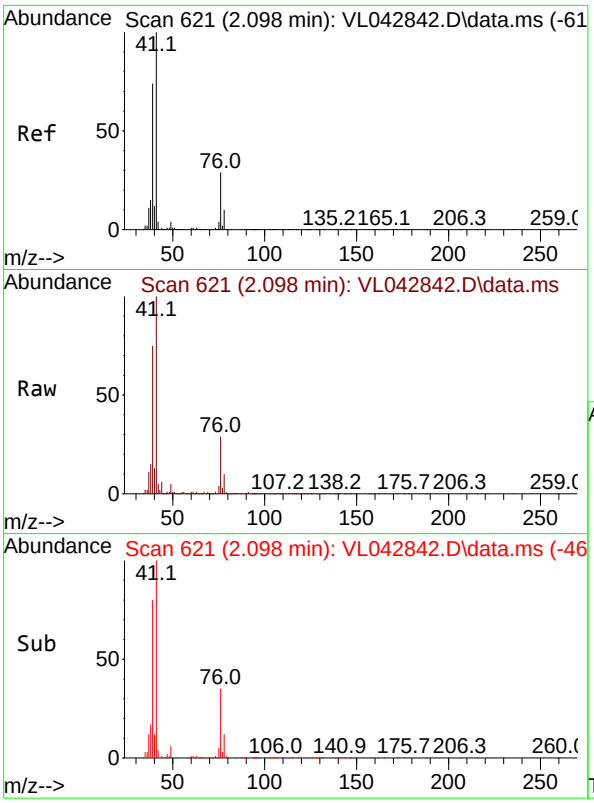


#20
Methylene Chloride
Concen: 7.471 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 55107

Ion	Ratio	Lower	Upper
84	100		
49	140.4	112.3	168.5
51	45.0	36.0	54.0
86	65.0	52.0	78.0



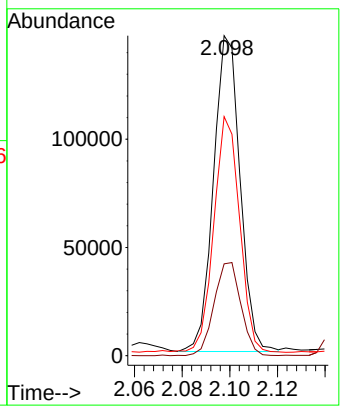


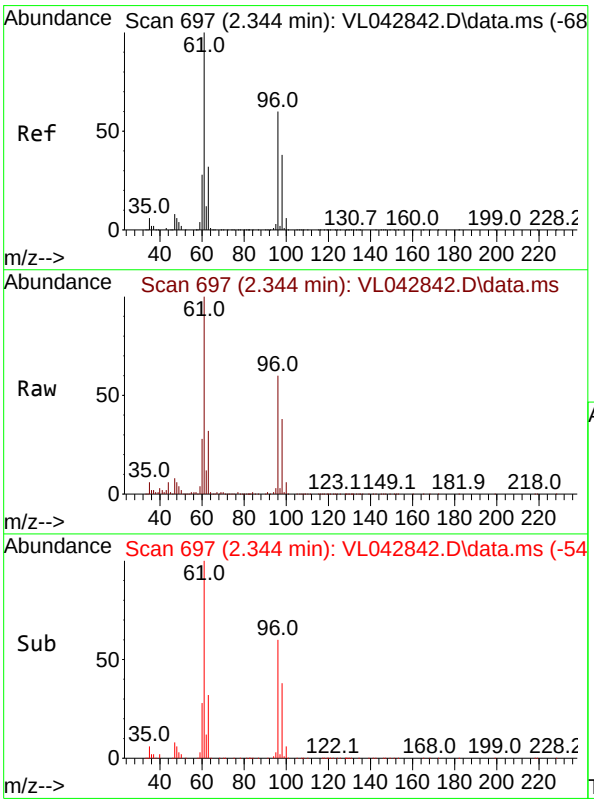
#21
Allyl Chloride
Concen: 9.093 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 113105

Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.9	35.9
39	72.2	57.8	86.6

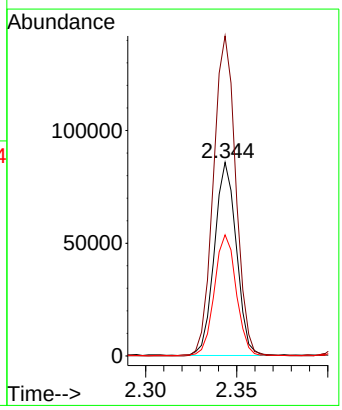


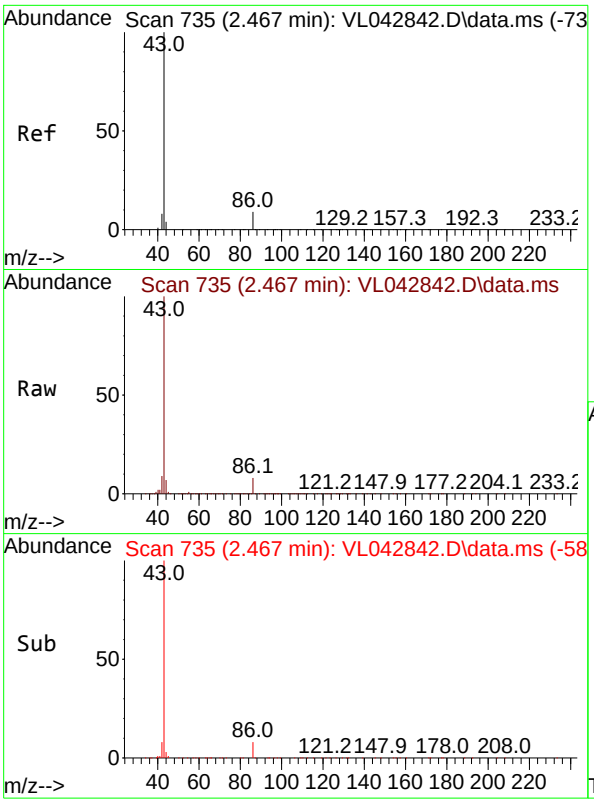


#22
trans-1,2-Dichloroethene
Concen: 9.482 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 96 Resp: 71518

Ion	Ratio	Lower	Upper
96	100		
61	165.8	132.6	199.0
98	62.5	50.0	75.0



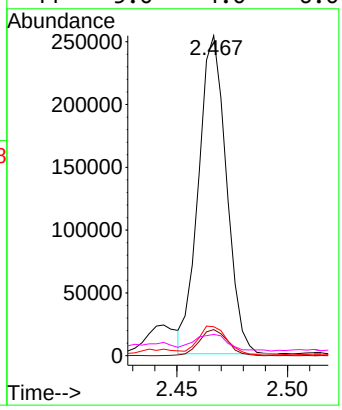


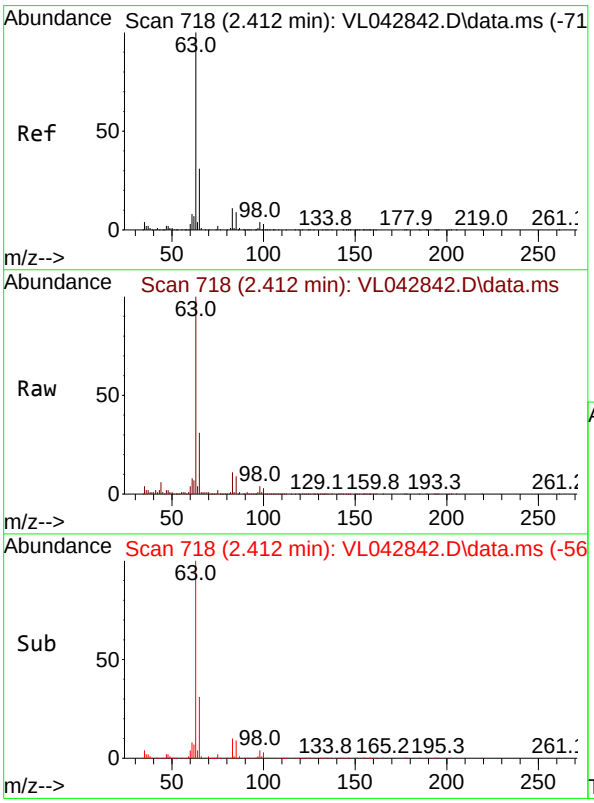
#23
Vinyl Acetate
Concen: 9.558 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 221395

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.8	7.0	10.6
44	5.0	4.0	6.0

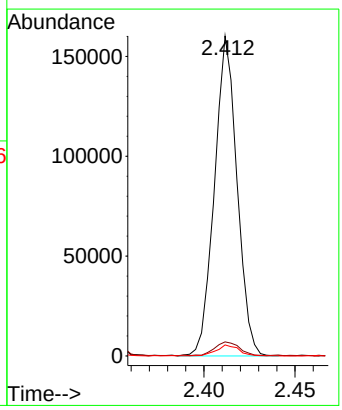


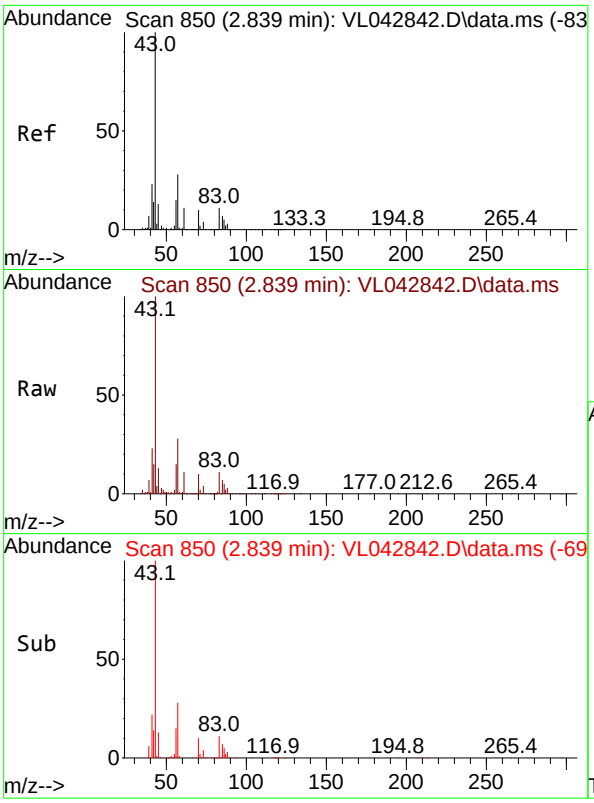


#24
1,1-Dichloroethane
Concen: 8.885 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 63 Resp: 138444

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	3.4	1.7	5.1



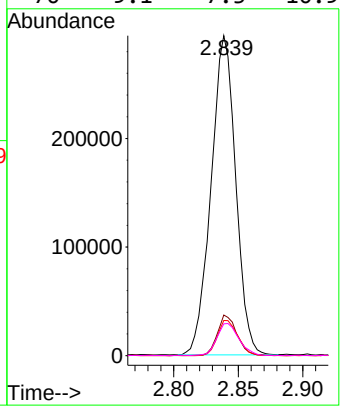


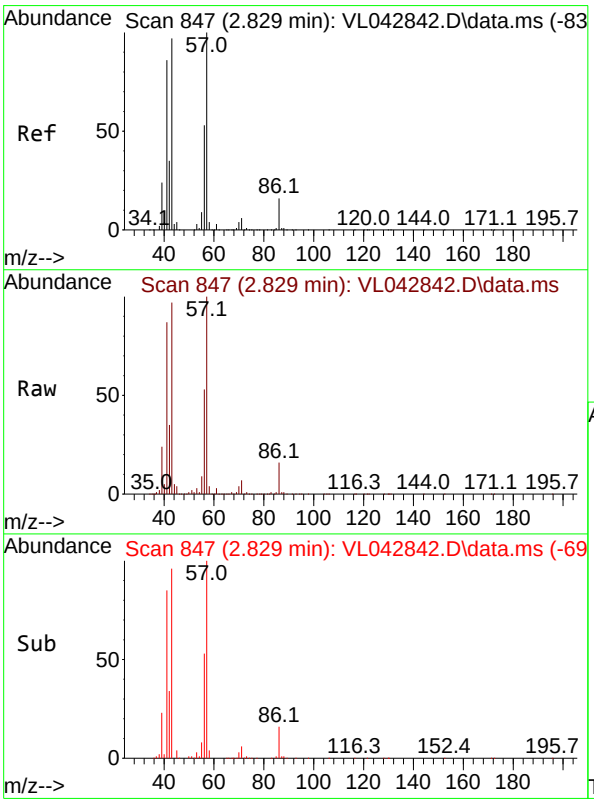
#25
Ethyl Acetate
Concen: 9.159 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 390295

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.3	7.4	11.2
70	9.1	7.3	10.9

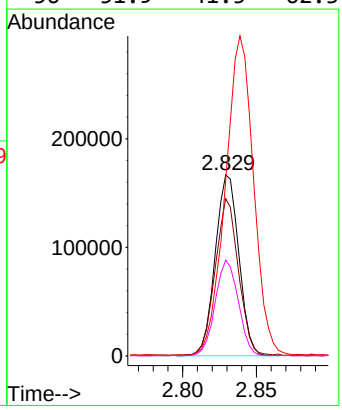


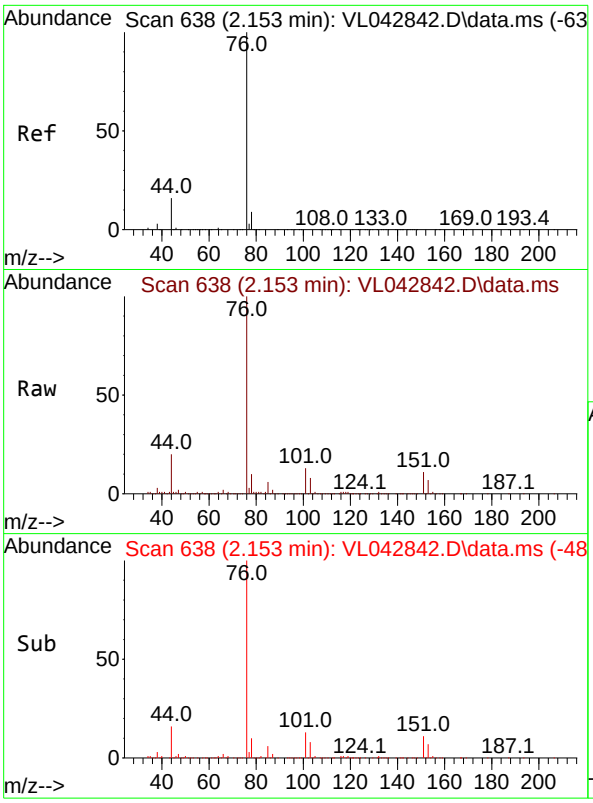


#26
Hexane
Concen: 9.420 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 57 Resp: 185288

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	210.6	168.5	252.7
56	51.9	41.5	62.3



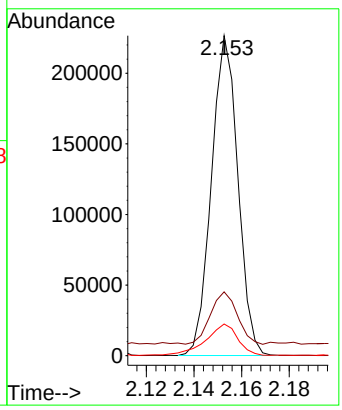


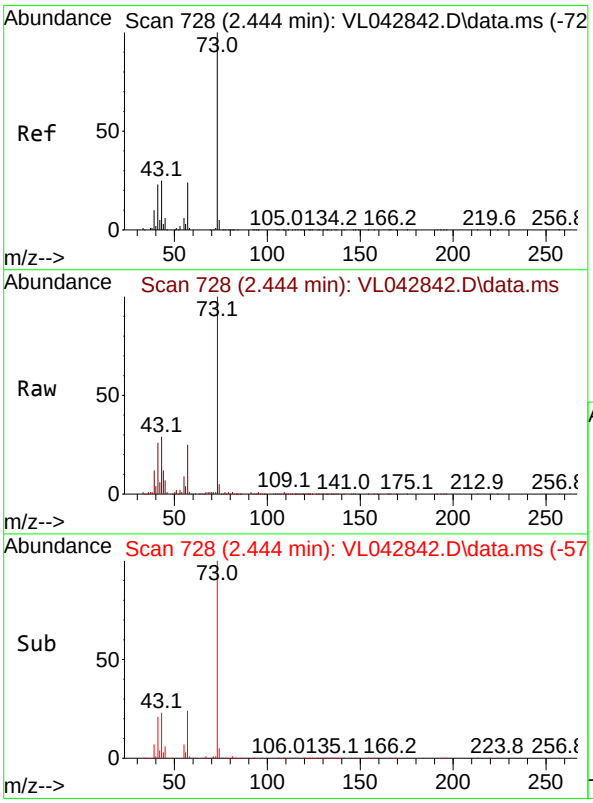
#27
Carbon Disulfide
Concen: 9.138 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 174928

Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.9	23.9
78	11.9	9.5	14.3

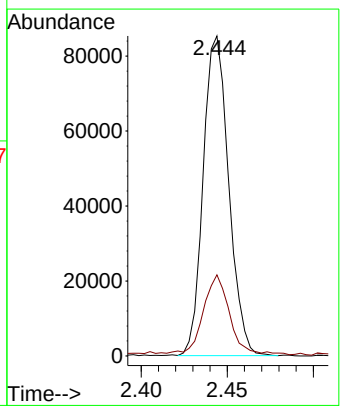


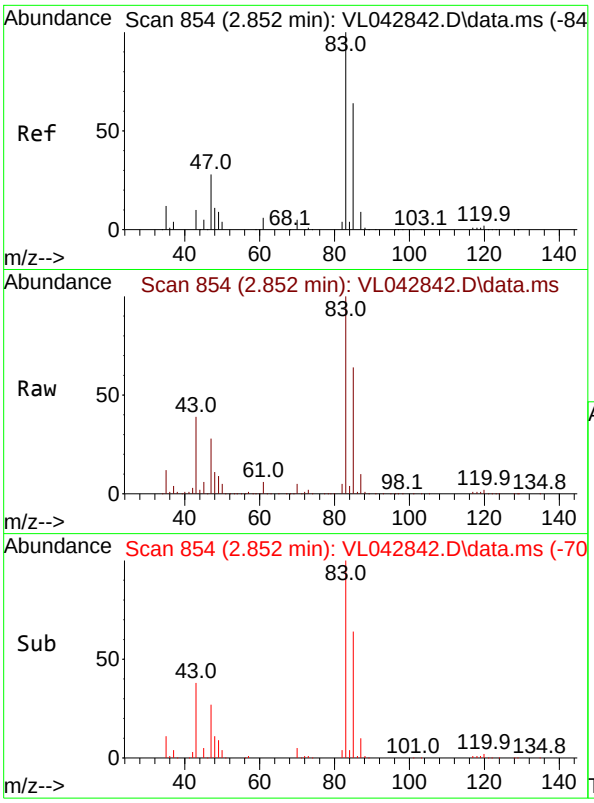


#28
Methyl tert-Butyl Ether
Concen: 8.767 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 73 Resp: 87929

Ion	Ratio	Lower	Upper
73	100		
57	27.0	21.6	32.4



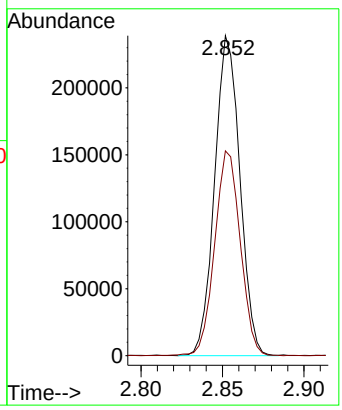


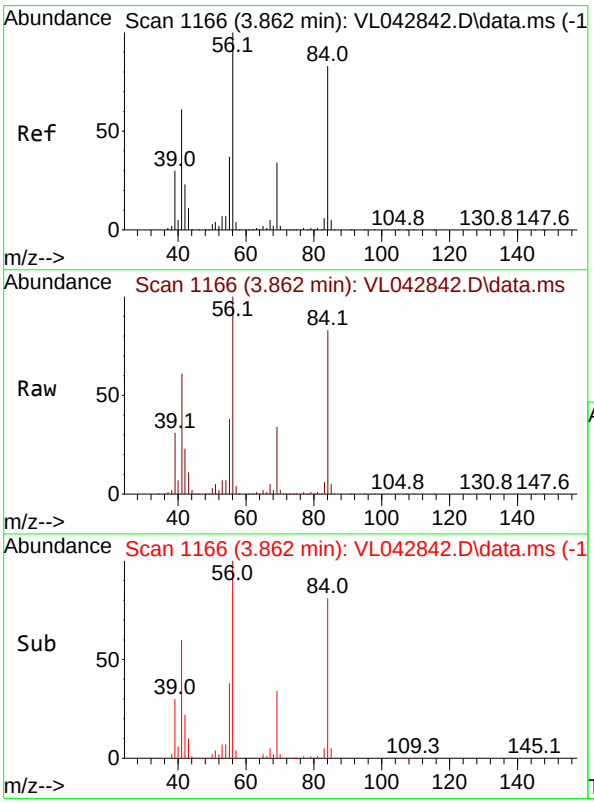
#29
Chloroform
Concen: 9.158 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 257176

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7

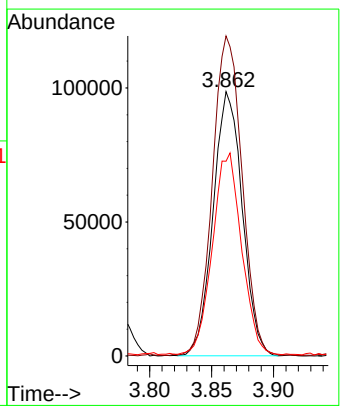


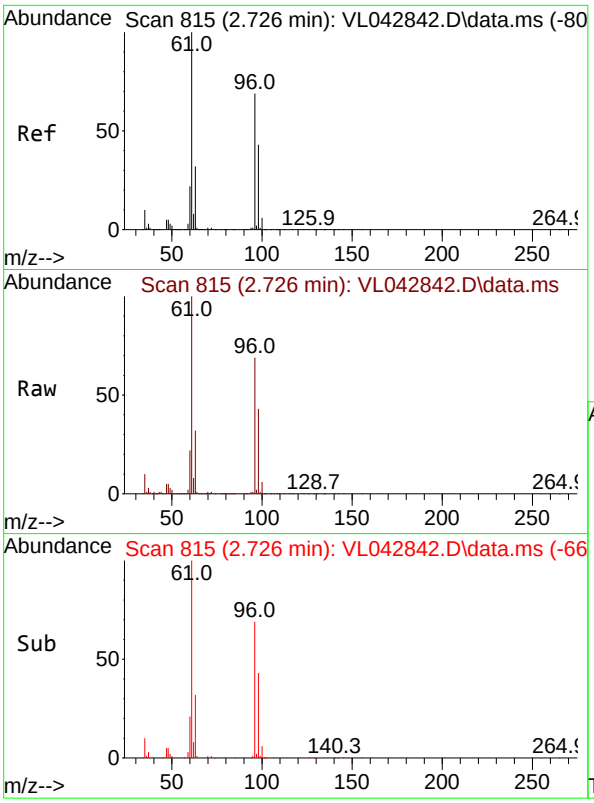


#30
Cyclohexane
Concen: 9.367 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 84 Resp: 161540

Ion	Ratio	Lower	Upper
84	100		
56	123.5	98.8	148.2
41	76.6	61.3	91.9



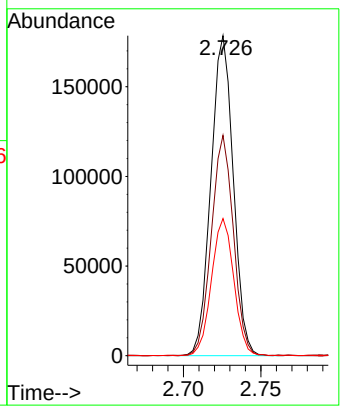


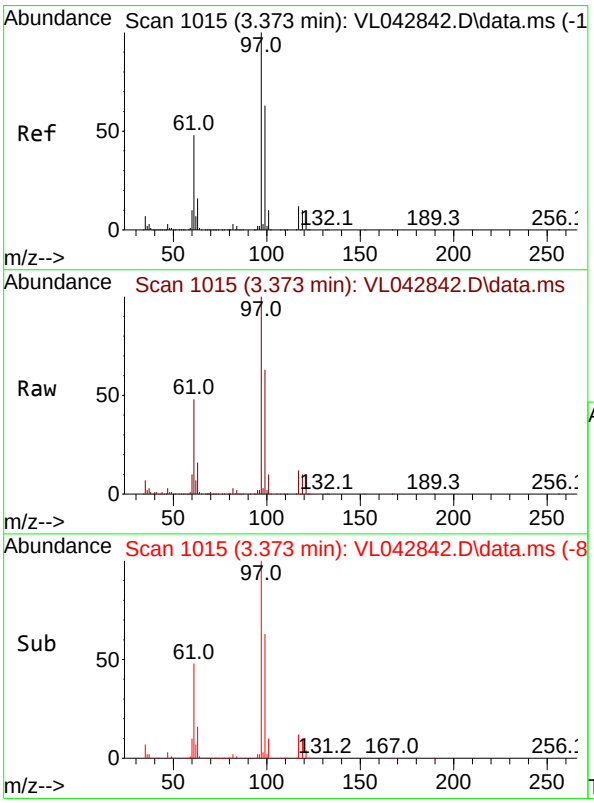
#31
cis-1,2-Dichloroethene
Concen: 9.107 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 179162

Ion	Ratio	Lower	Upper
61	100		
96	68.8	55.0	82.6
98	42.9	34.3	51.5

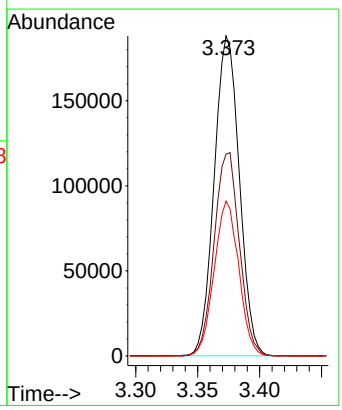


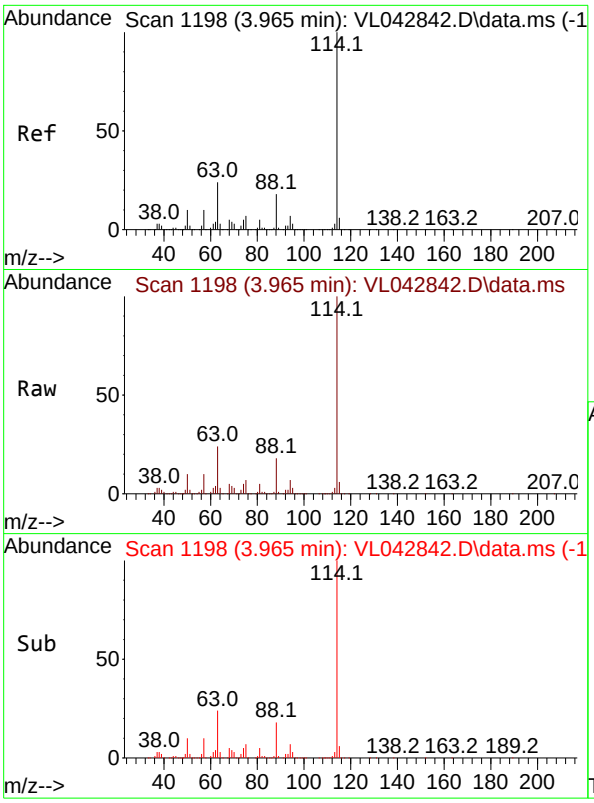


#32
1,1,1-Trichloroethane
Concen: 8.946 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 97 Resp: 266021

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	47.5	38.0	57.0



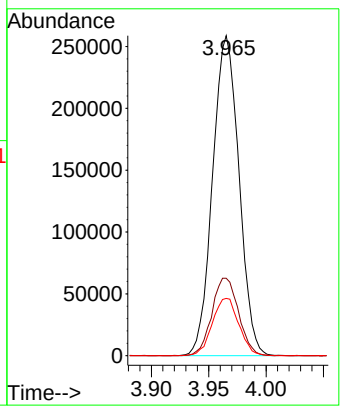


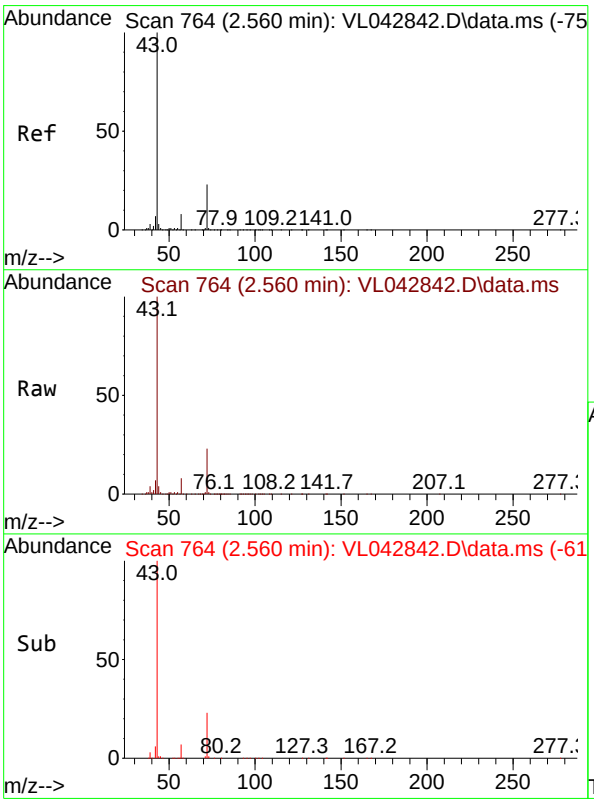
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 413632

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.0	14.4	21.6

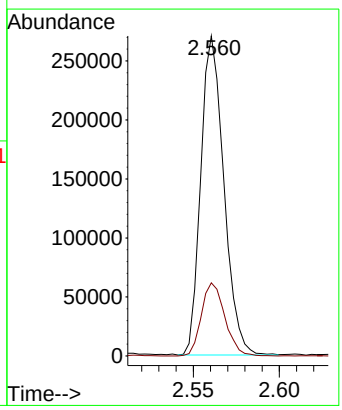


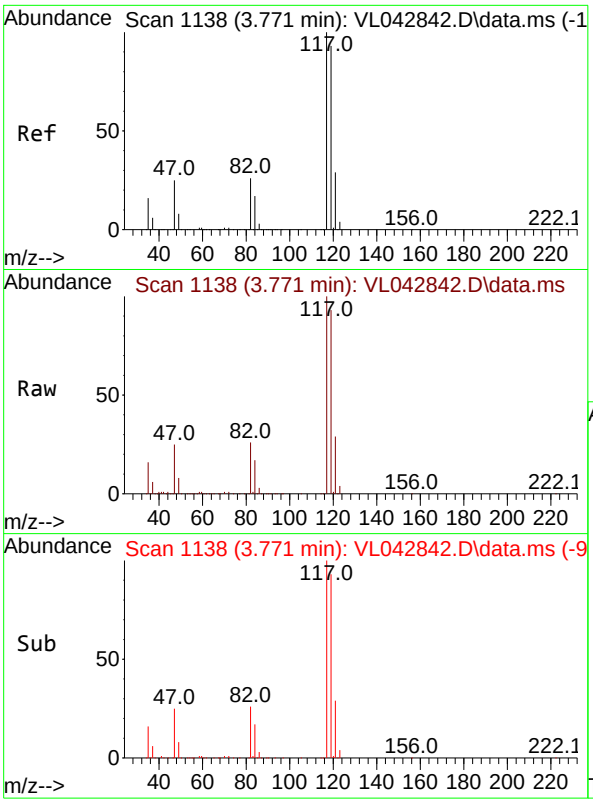


#34
2-Butanone
Concen: 9.033 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 252300

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0



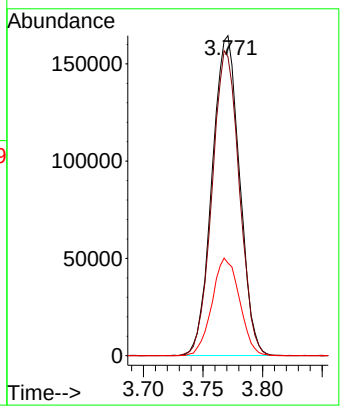


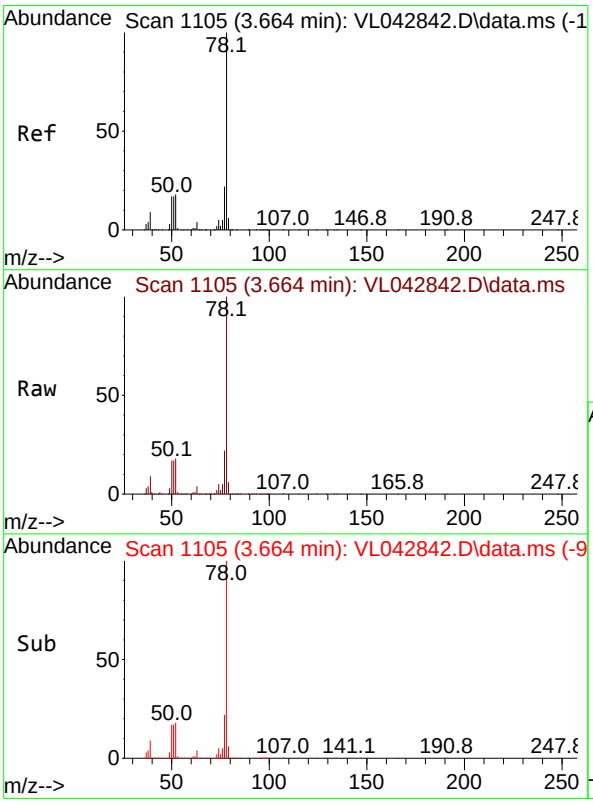
#35
Carbon Tetrachloride
Concen: 9.222 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 262983

Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	29.0	23.2	34.8

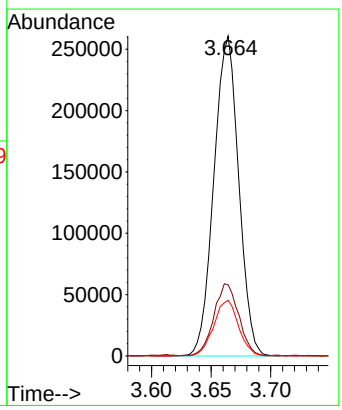


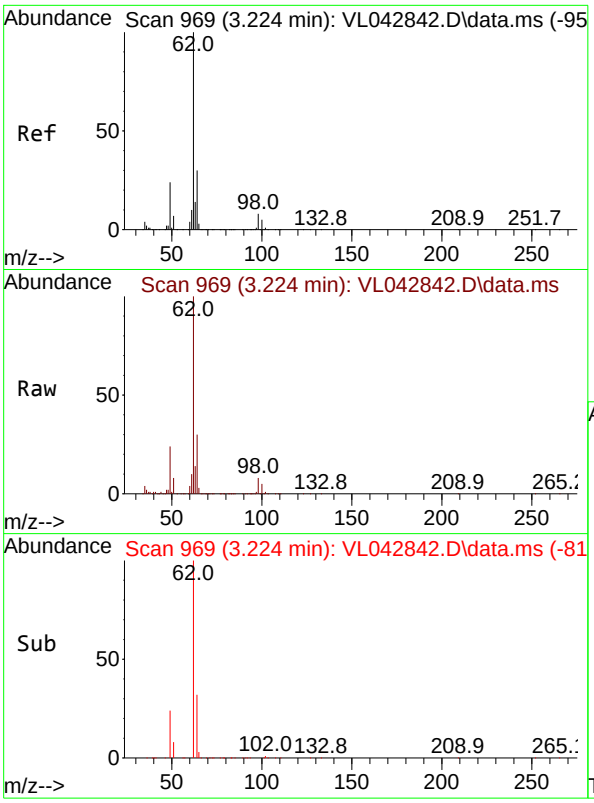


#36
Benzene
Concen: 9.521 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 78 Resp: 377113

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.7	26.5
50	17.4	13.9	20.9



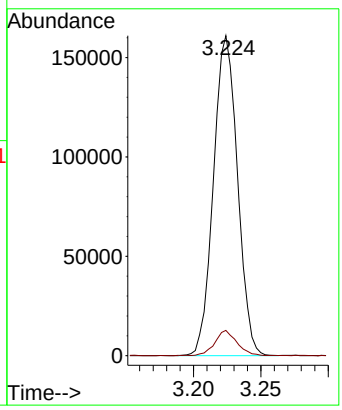


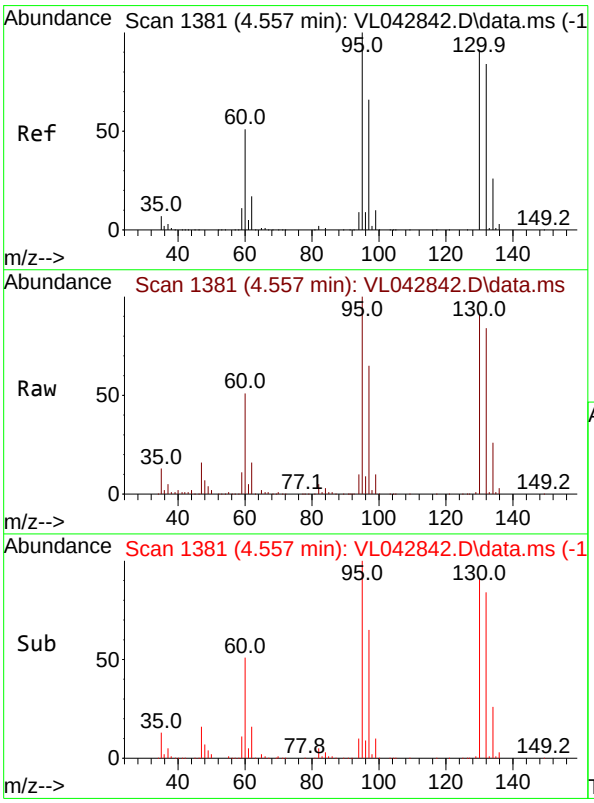
#37
1,2-Dichloroethane
Concen: 9.653 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 199762

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.9	8.9

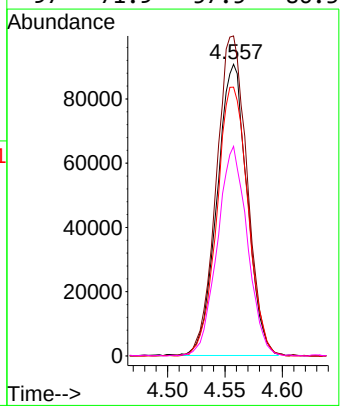


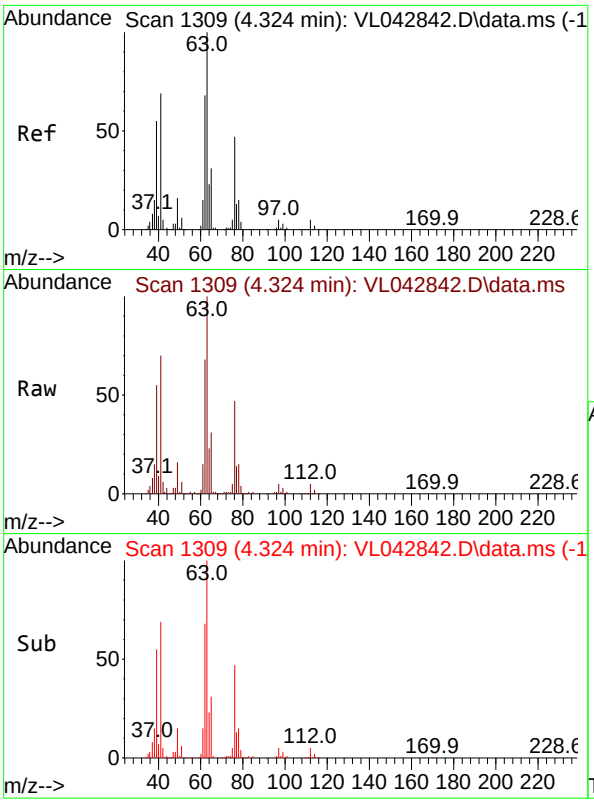


#38
Trichloroethene
Concen: 9.115 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:130 Resp: 164881

Ion	Ratio	Lower	Upper
130	100		
95	109.5	87.6	131.4
132	92.3	73.8	110.8
97	71.9	57.5	86.3



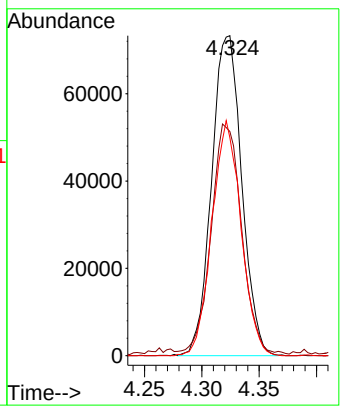


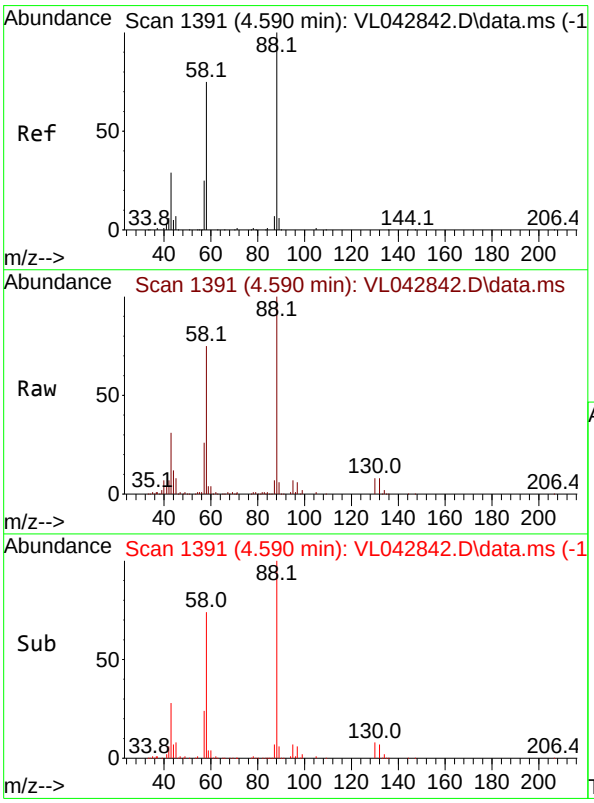
#39
1,2-Dichloropropane
Concen: 9.263 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 133996

Ion	Ratio	Lower	Upper
63	100		
41	68.7	55.0	82.4
62	68.0	54.4	81.6

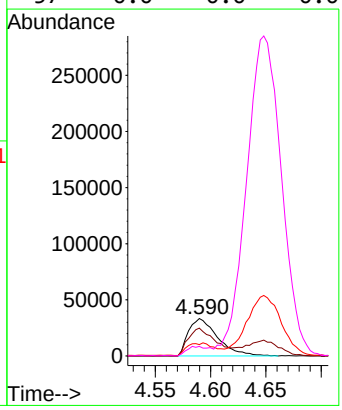


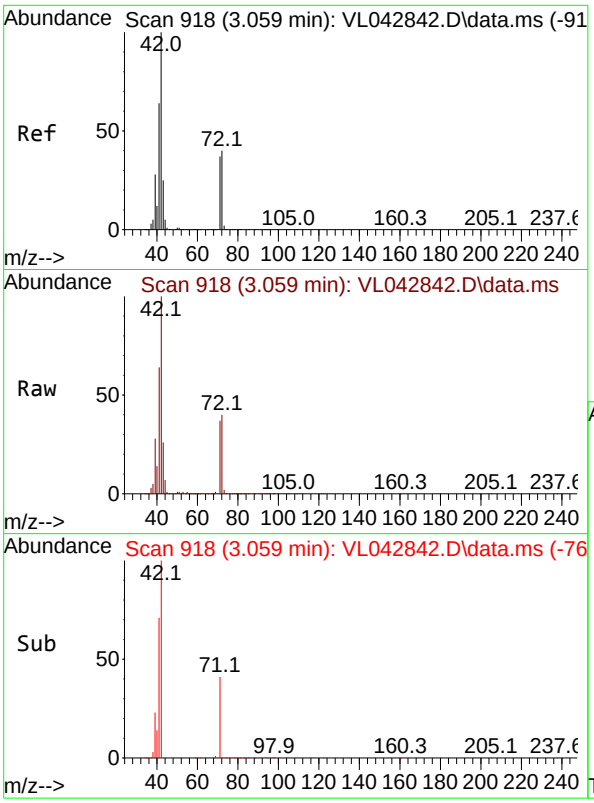


#40
1,4-Dioxane
Concen: 9.064 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 88 Resp: 61378

Ion	Ratio	Lower	Upper
88	100		
58	67.2	53.8	80.6
43	28.5	22.8	34.2
57	0.0	0.0	0.0



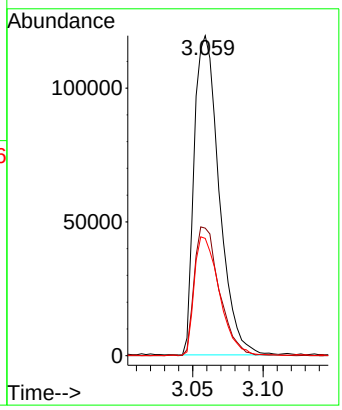


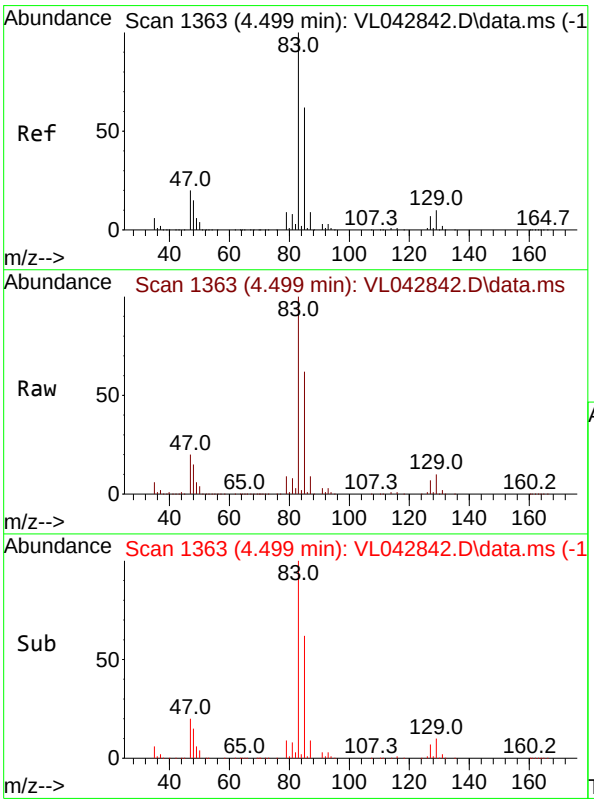
#41
Tetrahydrofuran
Concen: 9.442 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 147025

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.6	48.8
71	37.5	30.0	45.0

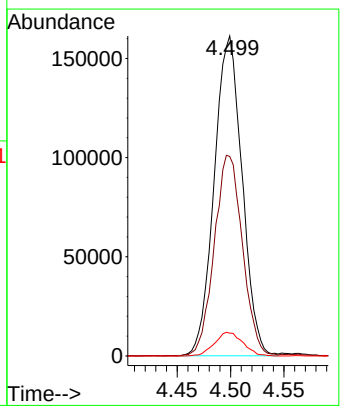


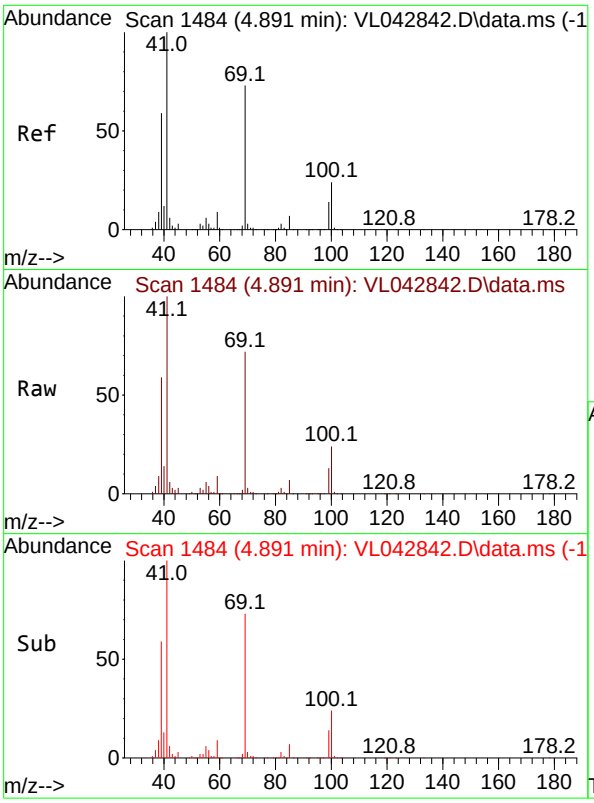


#42
Bromodichloromethane
Concen: 9.499 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 83 Resp: 292909

Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.8	74.8
127	7.2	5.8	8.6



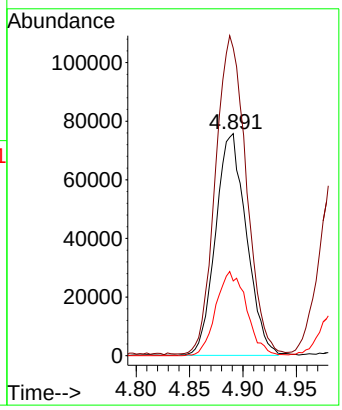


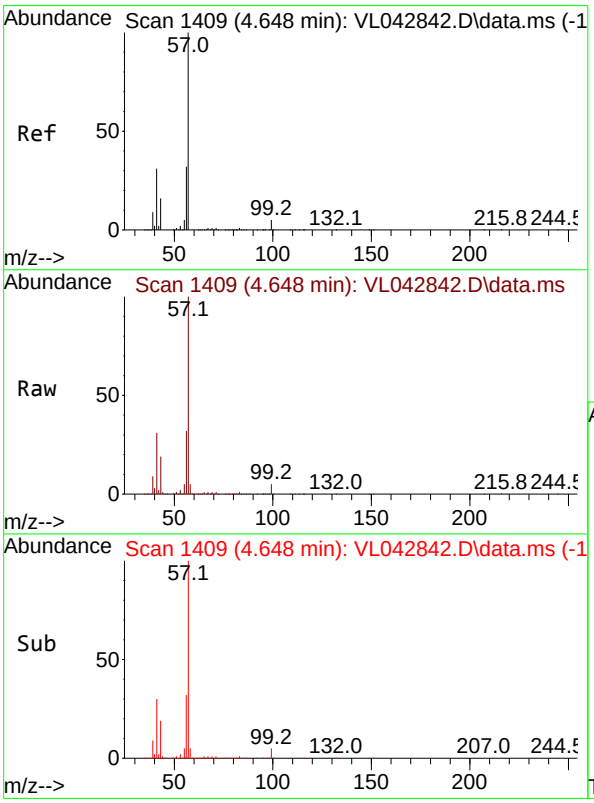
#43
Methyl Methacrylate
Concen: 9.357 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 152035

Ion	Ratio	Lower	Upper
69	100		
41	143.3	114.6	172.0
100	37.8	30.2	45.4

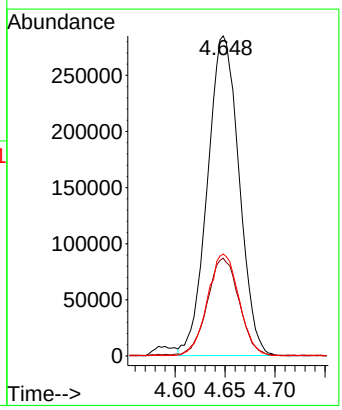


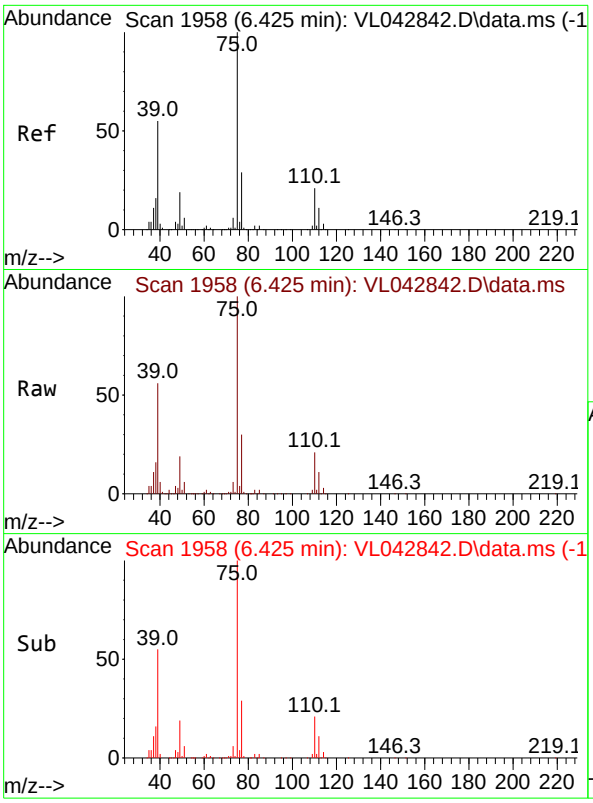


#44
2,2,4-Trimethylpentane
Concen: 9.420 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 57 Resp: 626465

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.8	37.2
56	31.9	25.5	38.3



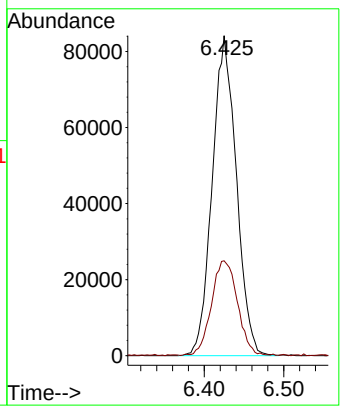


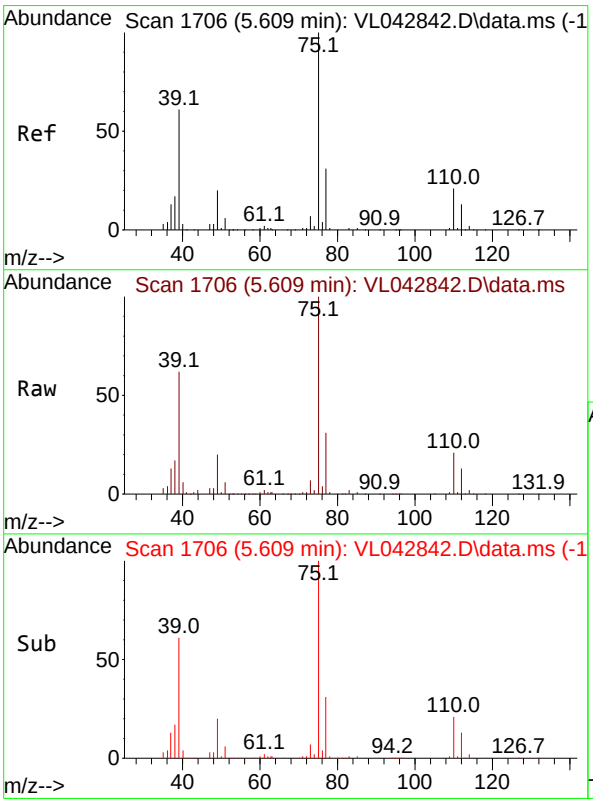
#45
t-1,3-Dichloropropene
Concen: 9.616 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 177207

Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6

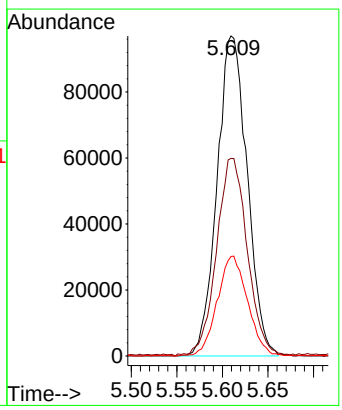


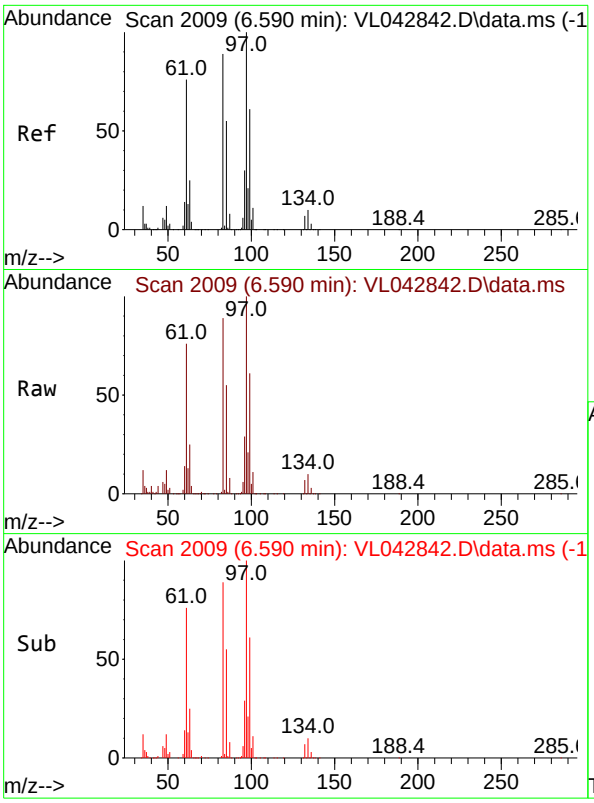


#46
cis-1,3-Dichloropropene
Concen: 9.635 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 75 Resp: 222921

Ion	Ratio	Lower	Upper
75	100		
39	61.1	48.9	73.3
77	31.1	24.9	37.3



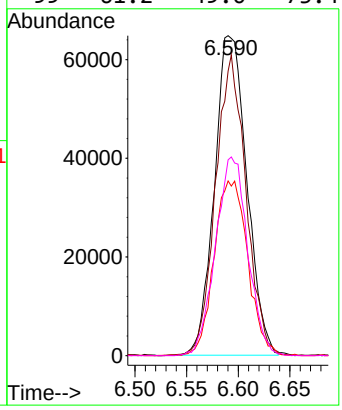


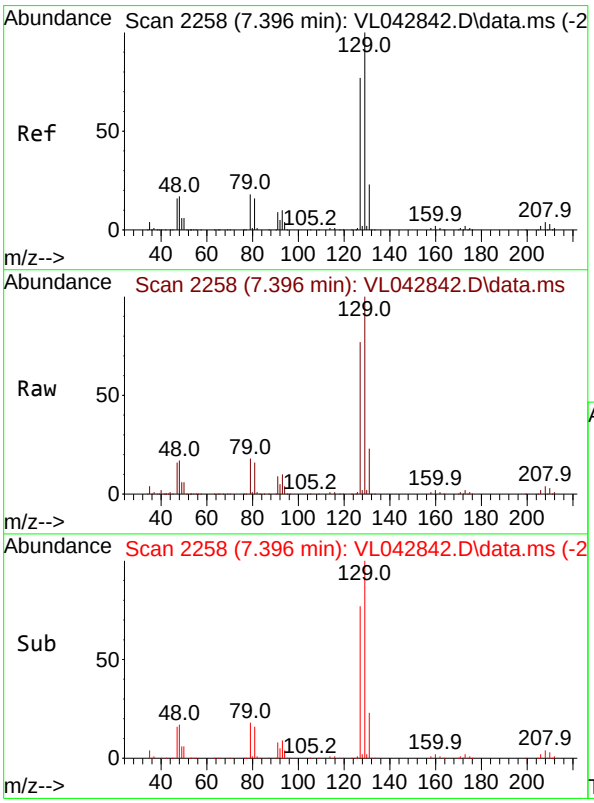
#47
1,1,2-Trichloroethane
Concen: 9.215 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 141105

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	54.5	43.6	65.4
99	61.2	49.0	73.4

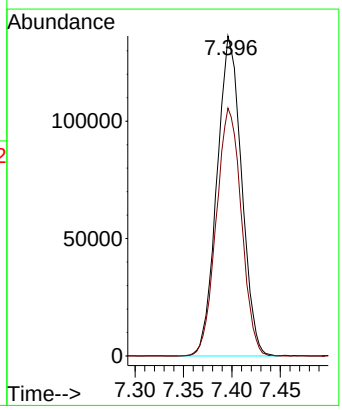


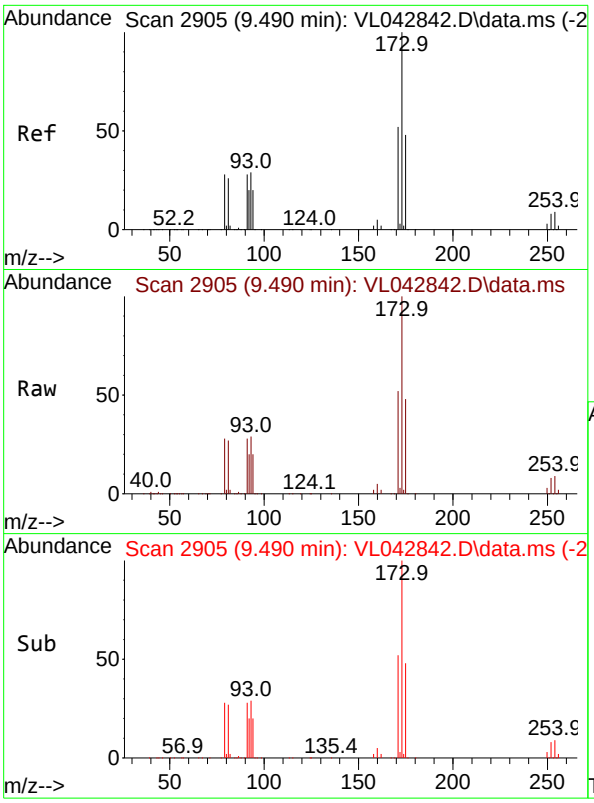


#48
Dibromochloromethane
Concen: 9.739 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:129 Resp: 241553

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2



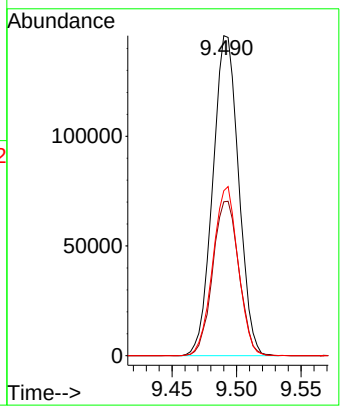


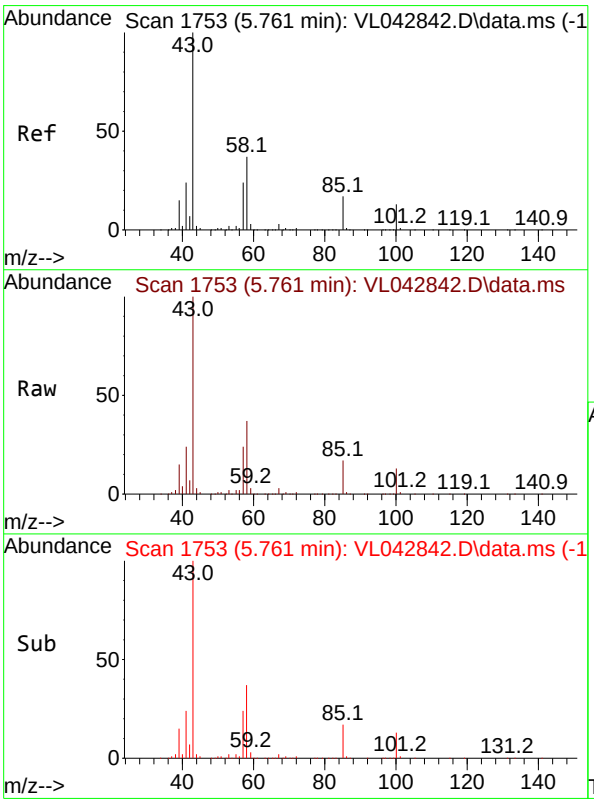
#49
Bromoform
Concen: 9.923 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 202975

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.2	58.8
171	51.6	41.3	61.9

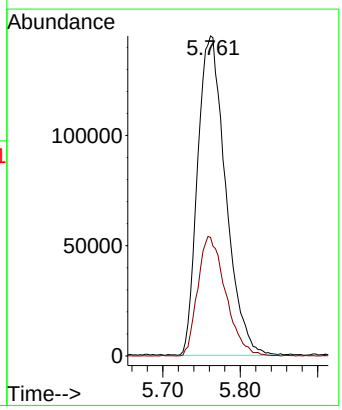


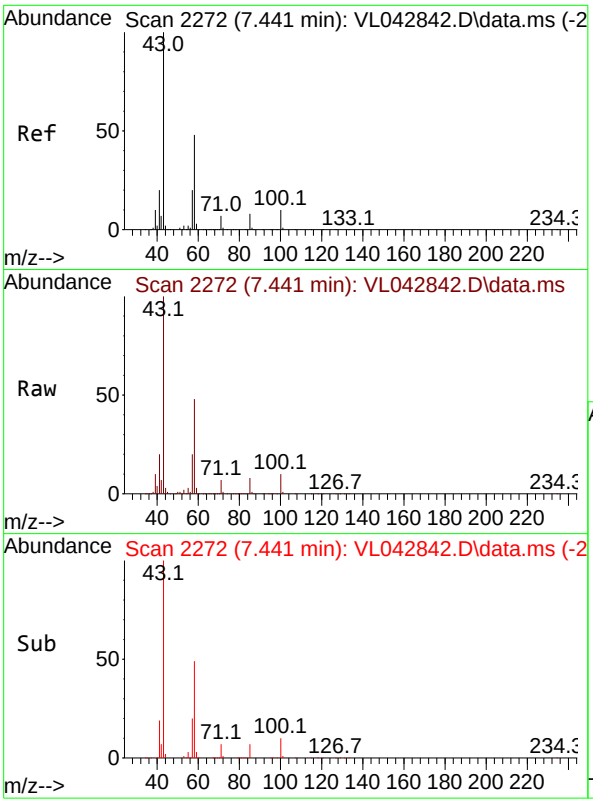


#50
4-Methyl-2-Pentanone
Concen: 9.616 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 43 Resp: 364306

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.8	44.8



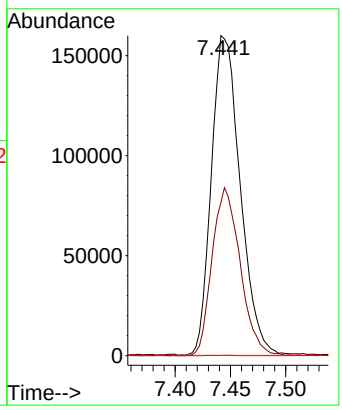


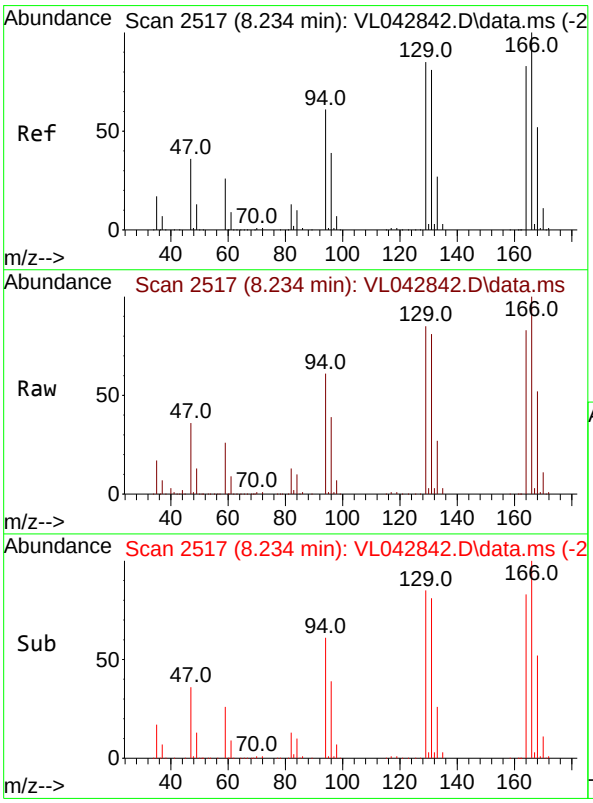
#51
2-Hexanone
Concen: 9.730 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 289052

Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.0	61.6
98	0.1	0.1	0.1#

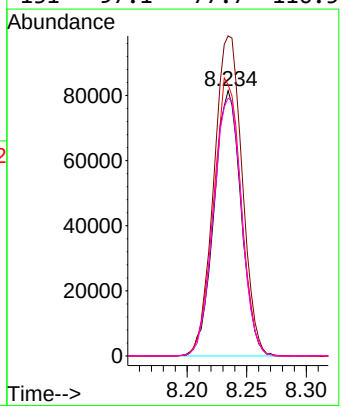


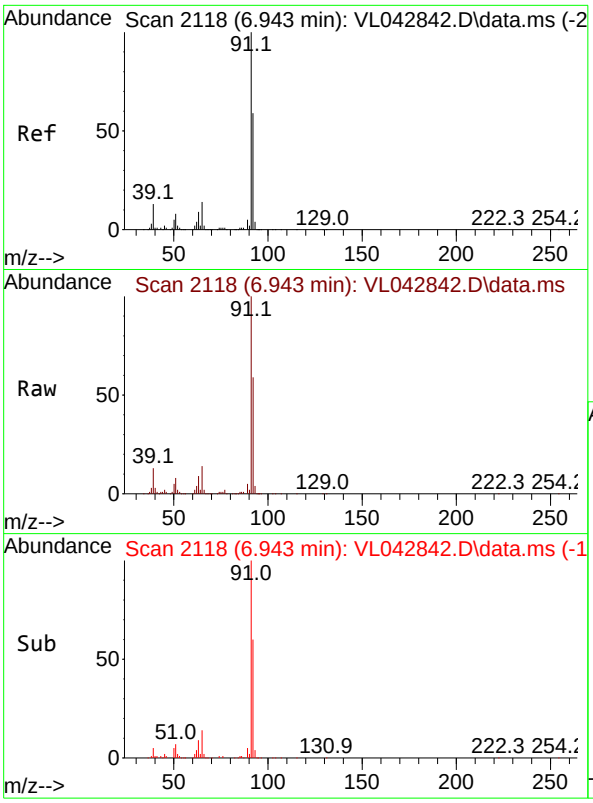


#52
Tetrachloroethene
Concen: 9.026 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:164 Resp: 129484

Ion	Ratio	Lower	Upper
164	100		
166	120.6	96.5	144.7
129	102.2	81.8	122.6
131	97.1	77.7	116.5



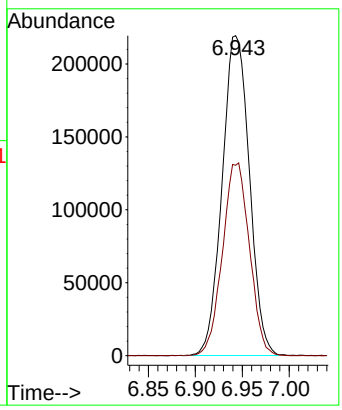


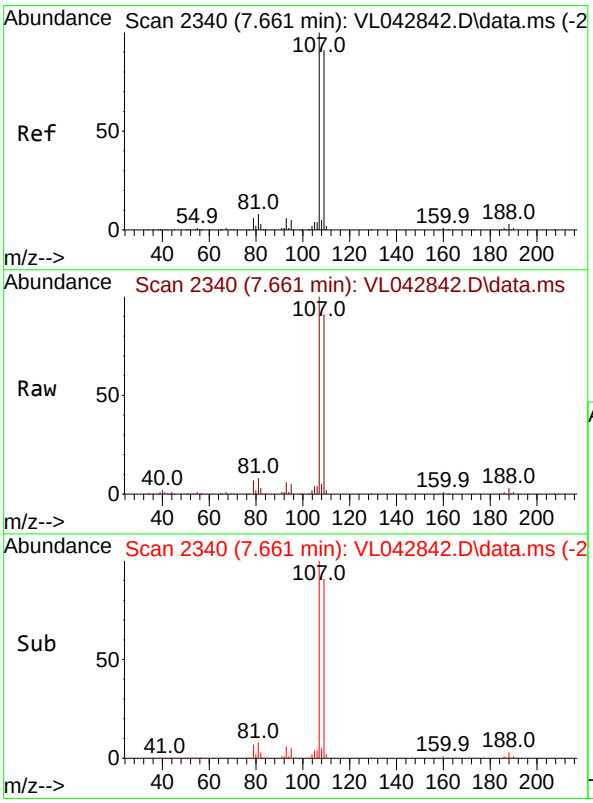
#53
Toluene
Concen: 9.407 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 443400

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6

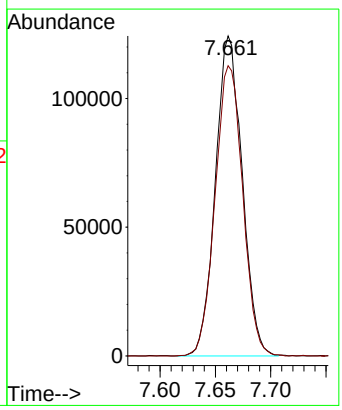


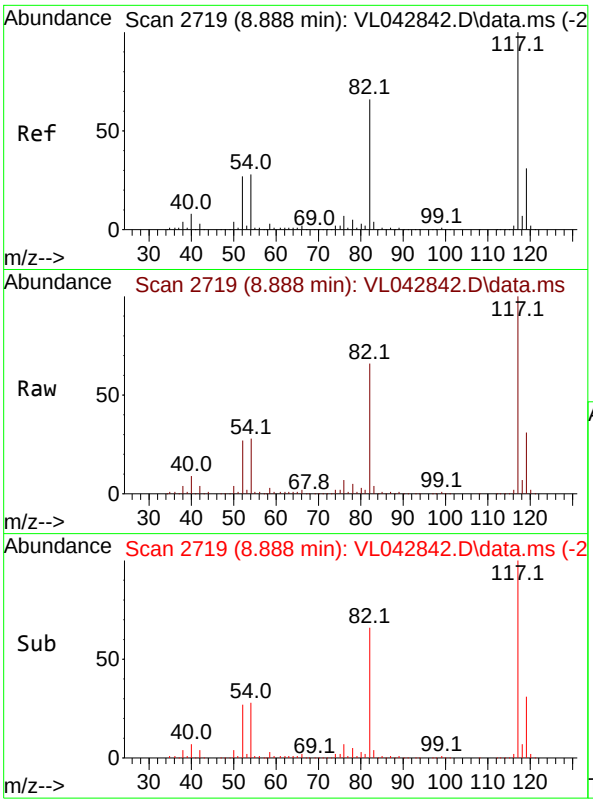


#54
1,2-Dibromoethane
Concen: 9.345 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:107 Resp: 209330

Ion	Ratio	Lower	Upper
107	100		
109	90.6	72.5	108.7



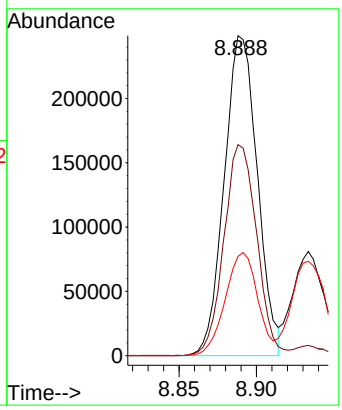


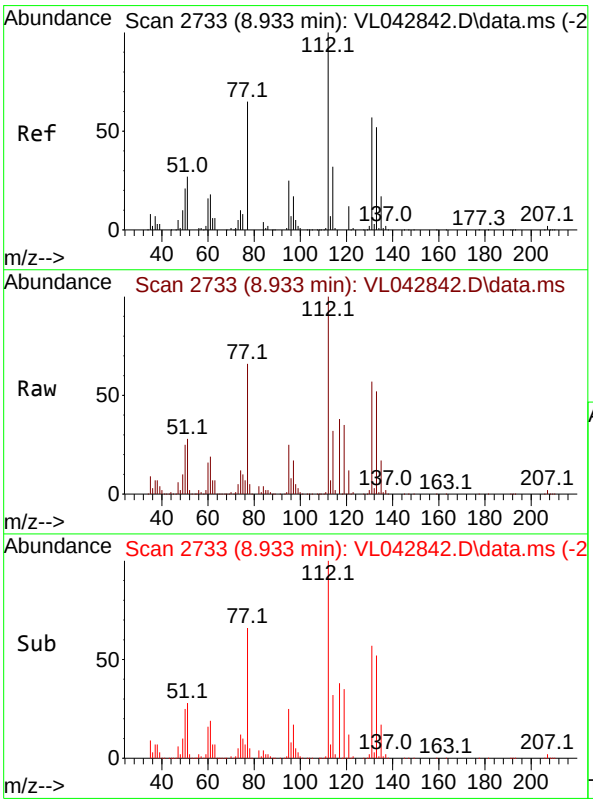
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 370372

Ion	Ratio	Lower	Upper
117	100		
82	68.2	54.6	81.8
119	32.4	25.9	38.9

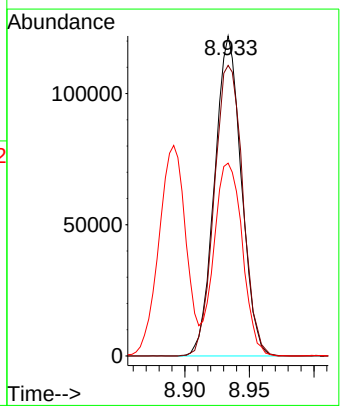


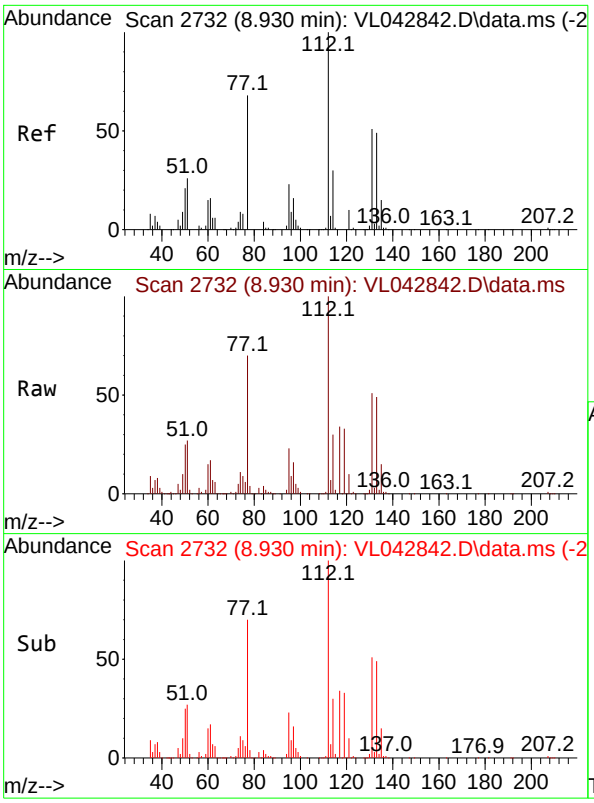


#56
1,1,1,2-Tetrachloroethane
Concen: 9.196 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:131 Resp: 176135

Ion	Ratio	Lower	Upper
131	100		
133	96.7	77.4	116.0
119	64.0	51.2	76.8



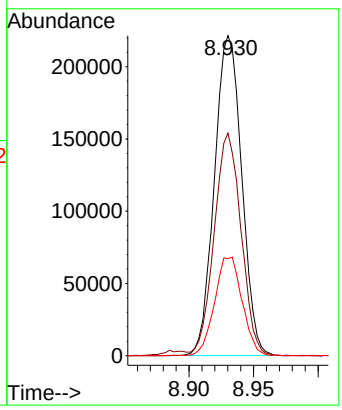


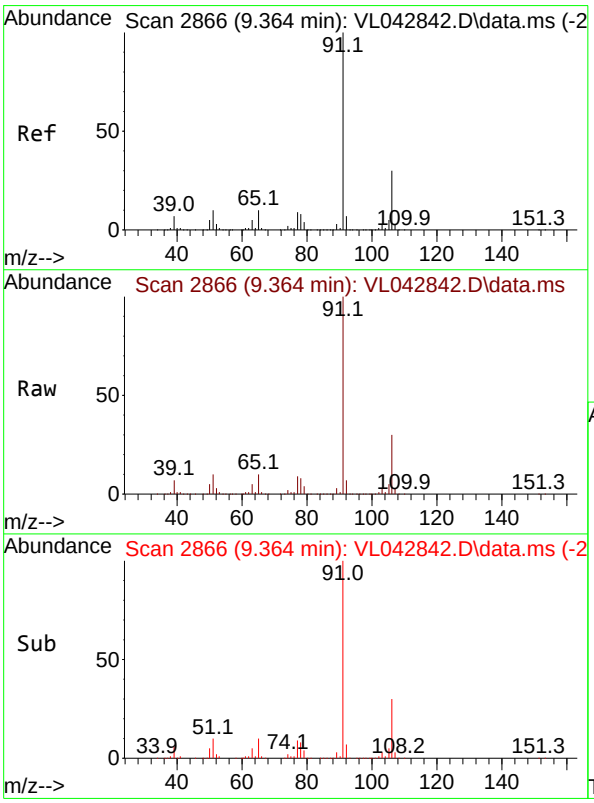
#57
Chlorobenzene
Concen: 9.237 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 325303

Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.5	83.3
114	30.2	27.2	33.2

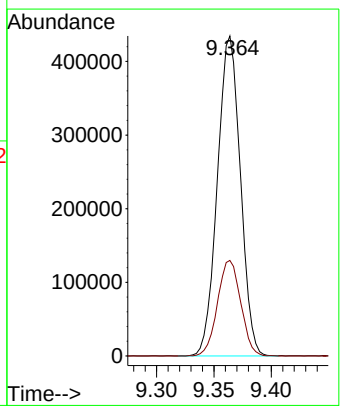


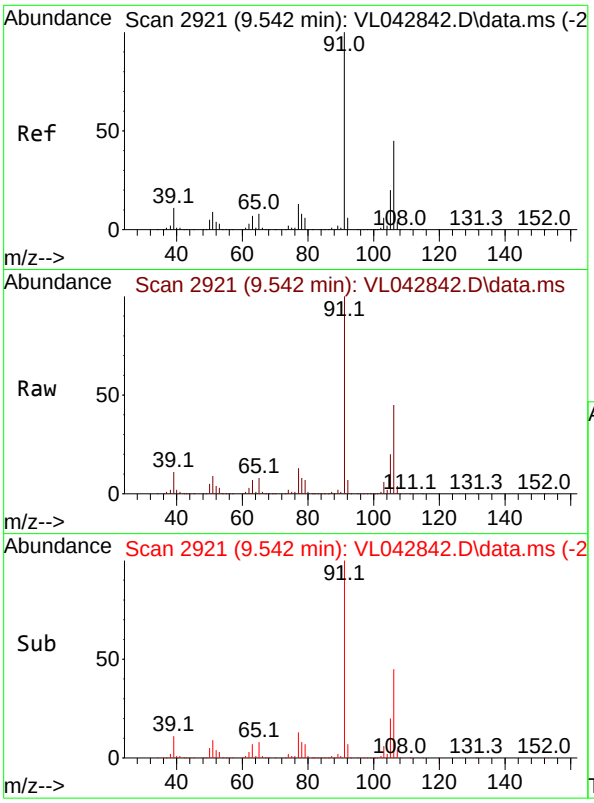


#58
Ethyl Benzene
Concen: 9.268 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 605785

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



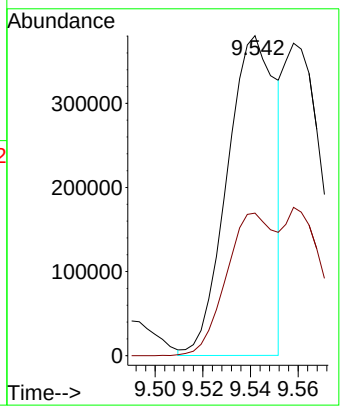


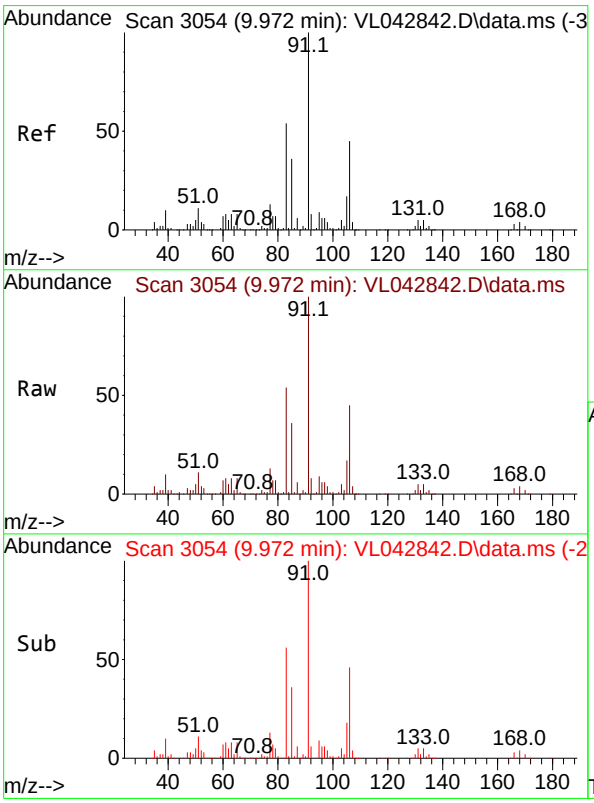
#59
m/p-Xylene
Concen: 10.505 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 539072

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

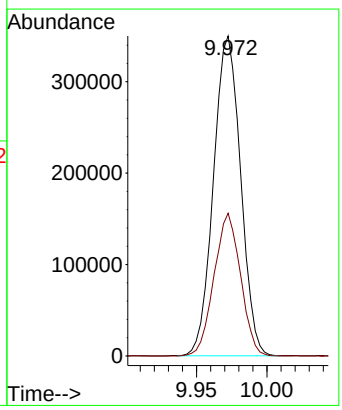


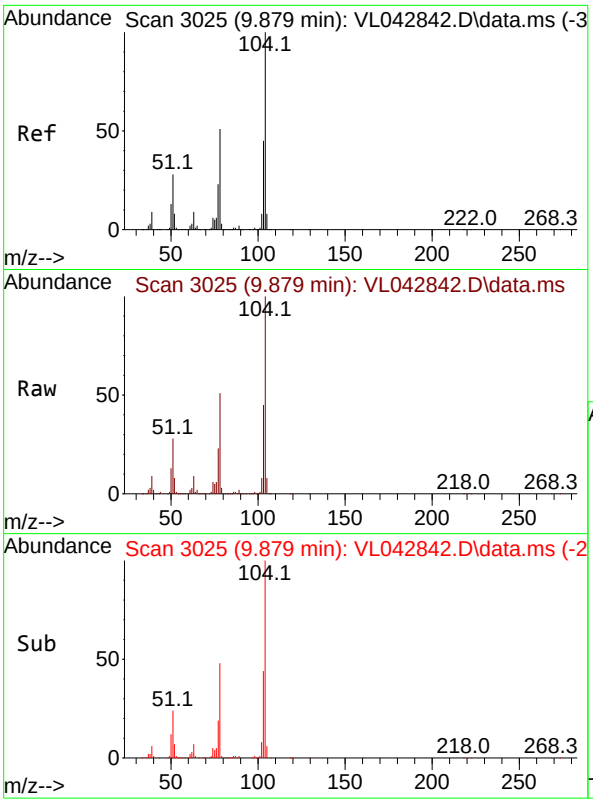


#60
o-Xylene
Concen: 9.102 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 469073

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.8	65.4



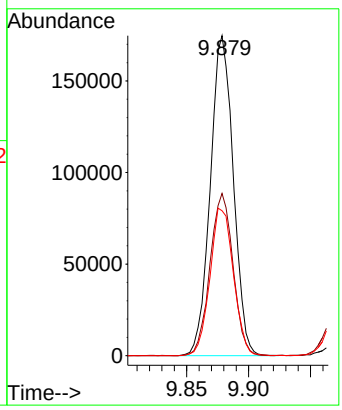


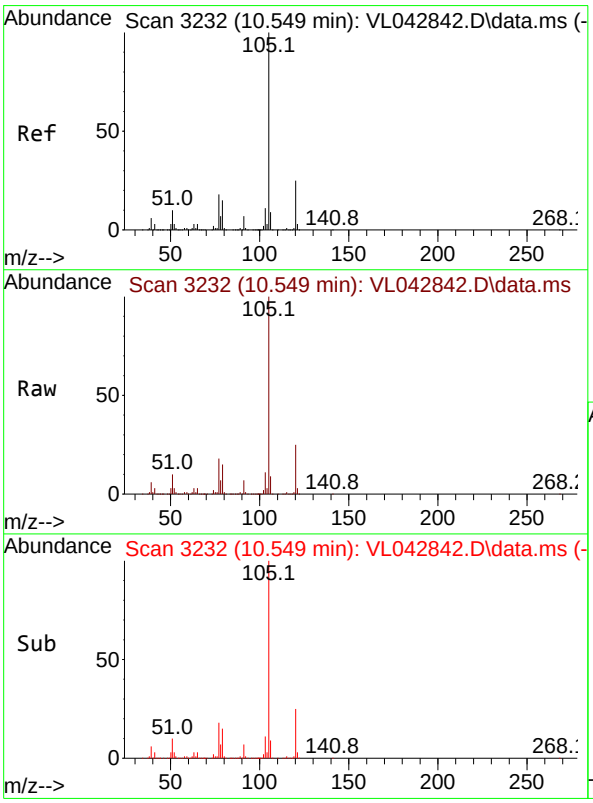
#61
Styrene
Concen: 9.362 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 226056

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.6	61.0
103	47.1	37.7	56.5

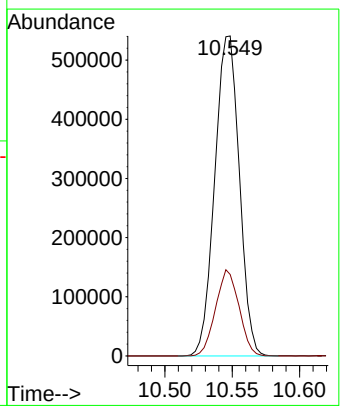


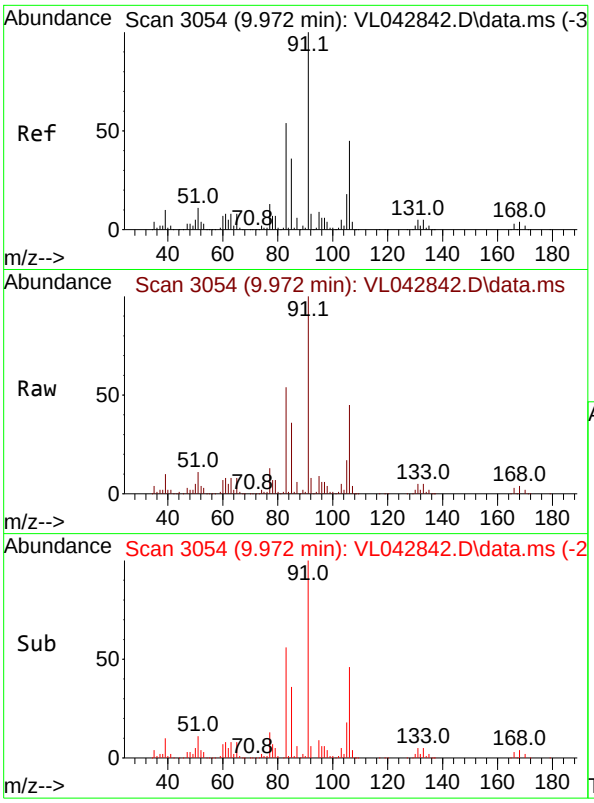


#62
Isopropylbenzene
Concen: 9.108 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 685983

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	30.8



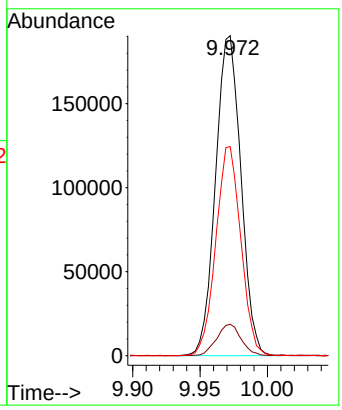


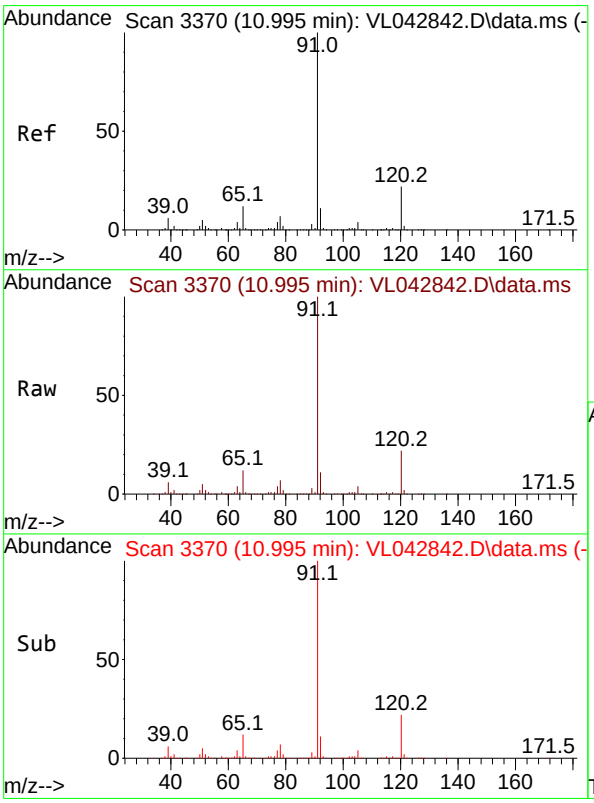
#63
1,1,2,2-Tetrachloroethane
Concen: 8.870 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 249621

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.5	32.3	96.8

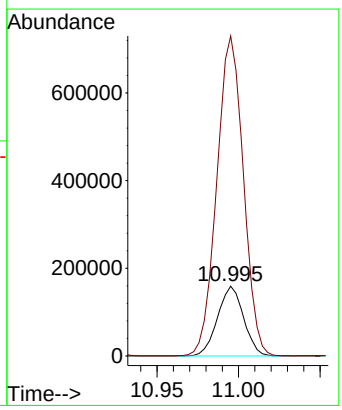


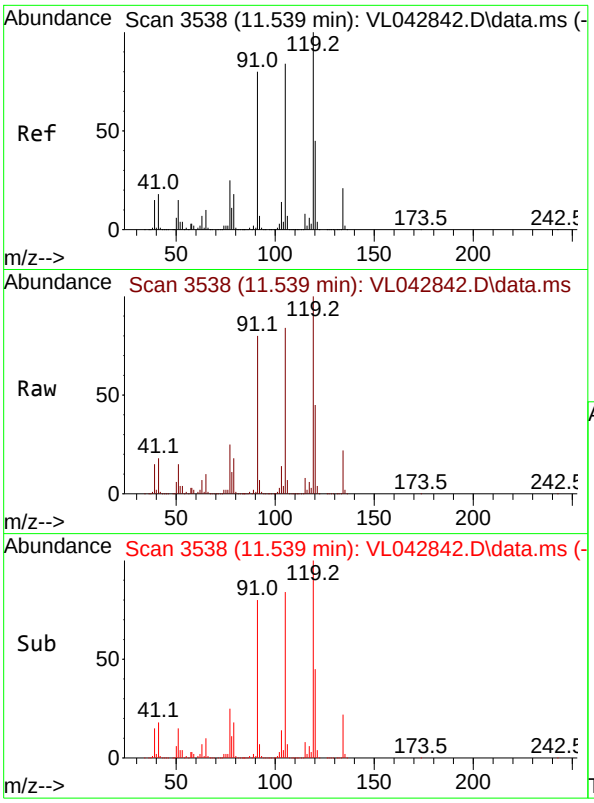


#64
n-propylbenzene
Concen: 9.158 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:120 Resp: 175986

Ion	Ratio	Lower	Upper
120	100		
91	469.7	375.8	563.6



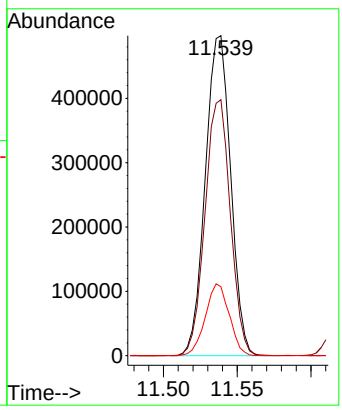


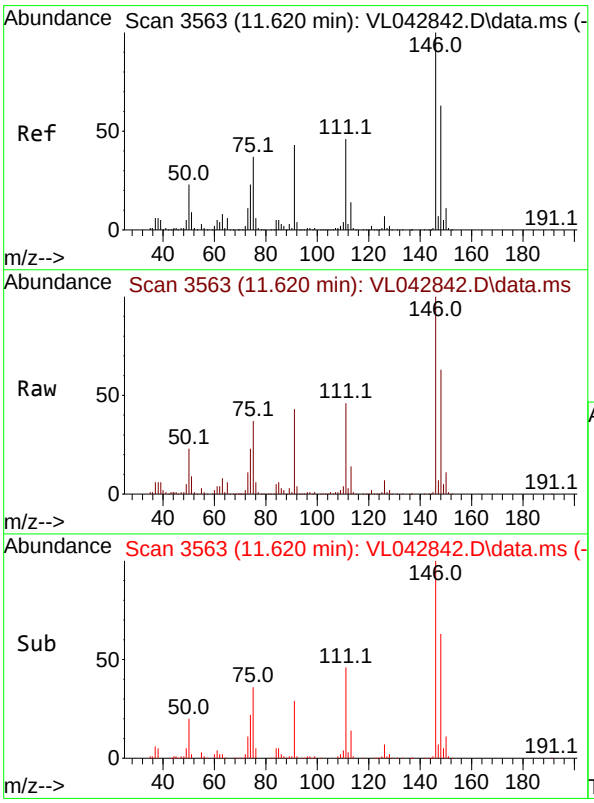
#65
tert-Butylbenzene
Concen: 8.951 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 594314

Ion	Ratio	Lower	Upper
119	100		
91	79.9	63.9	95.9
134	21.2	17.0	25.4

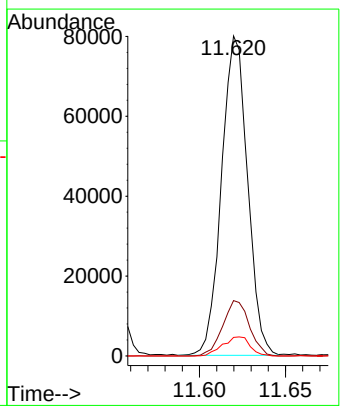


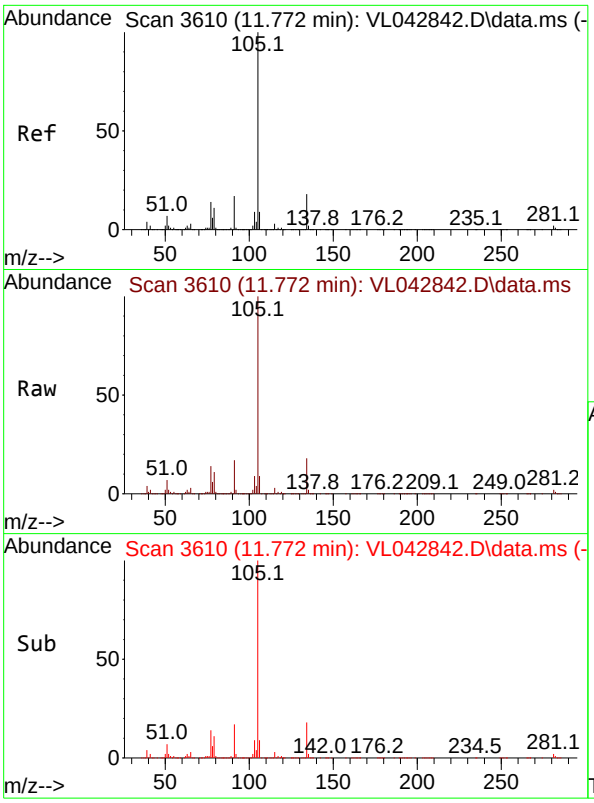


#66
Benzyl Chloride
Concen: 9.985 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 84156

Ion	Ratio	Lower	Upper
91	100		
126	17.8	14.2	21.4
128	6.3	5.0	7.6



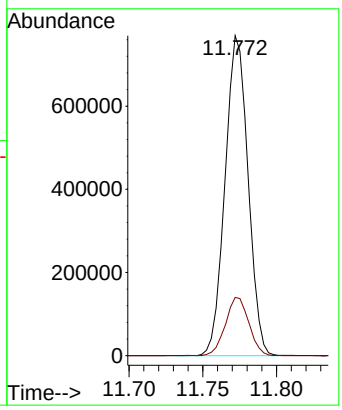


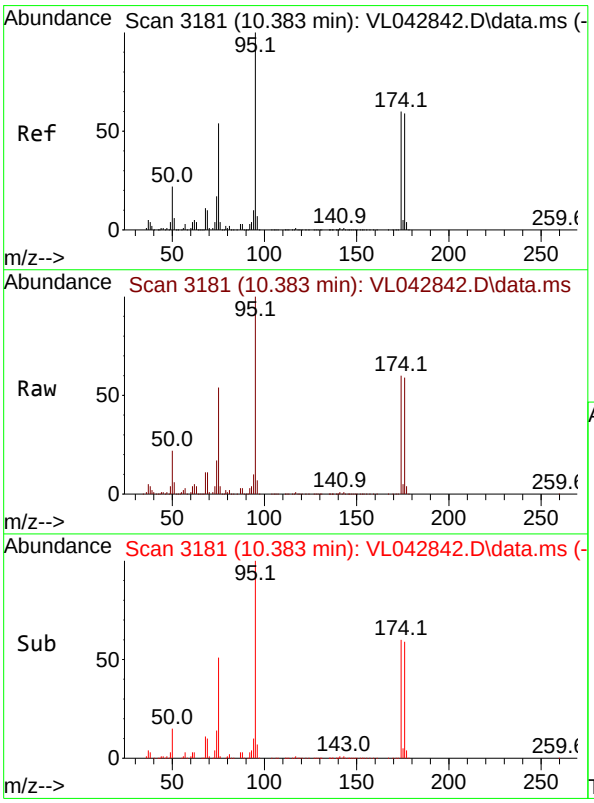
#67
sec-Butylbenzene
Concen: 8.943 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 833378

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3

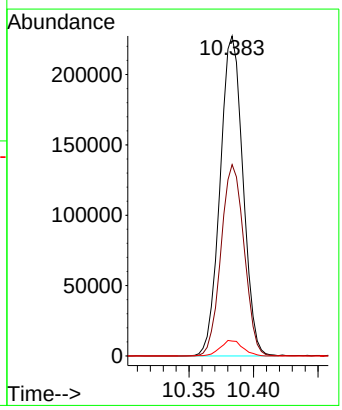


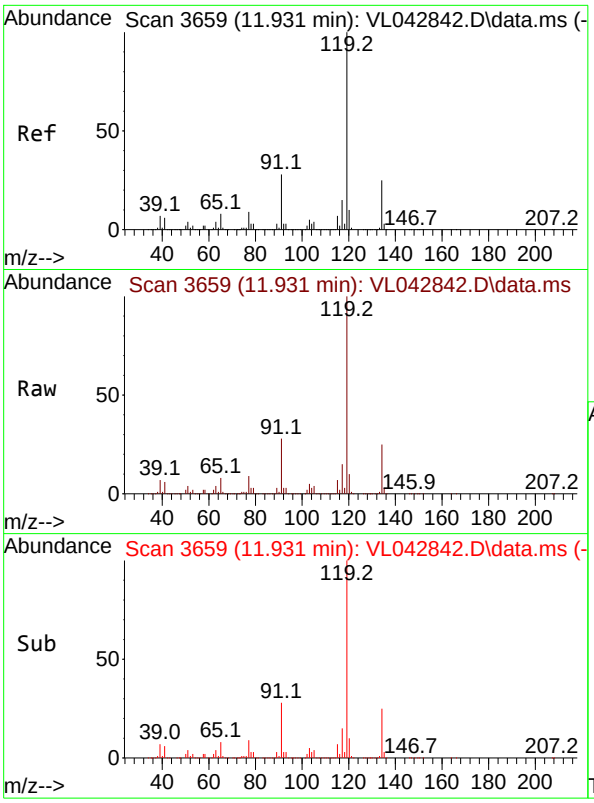


#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 95 Resp: 279557

Ion	Ratio	Lower	Upper
95	100		
174	60.5	48.4	72.6
175	4.8	3.8	5.8



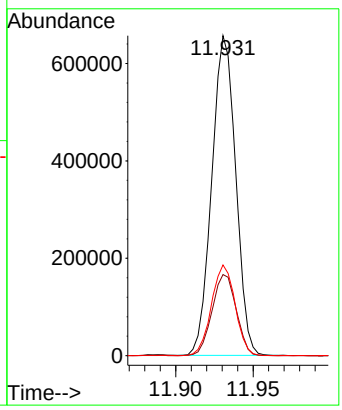


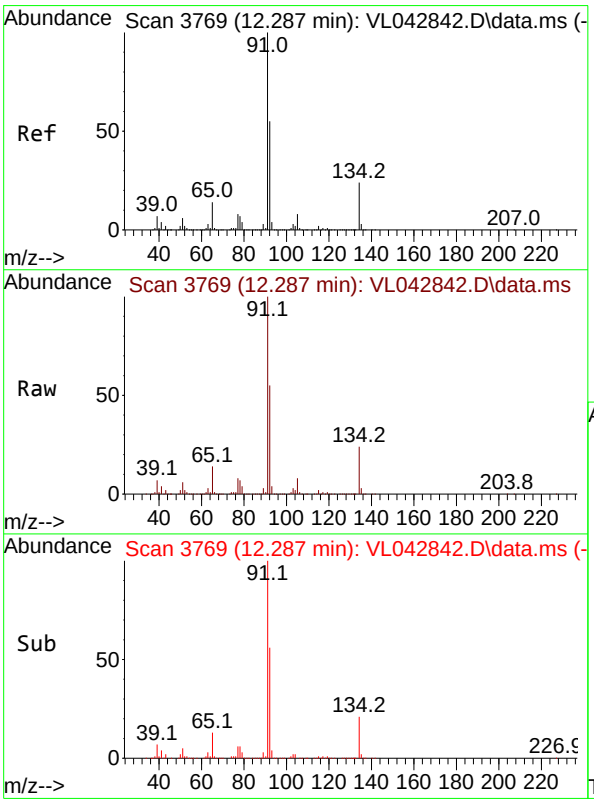
#69
p-Isopropyltoluene
Concen: 8.820 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 705700

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	28.3	22.6	34.0

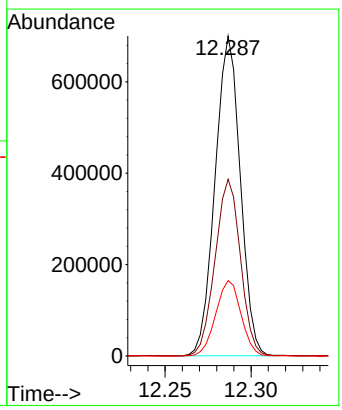


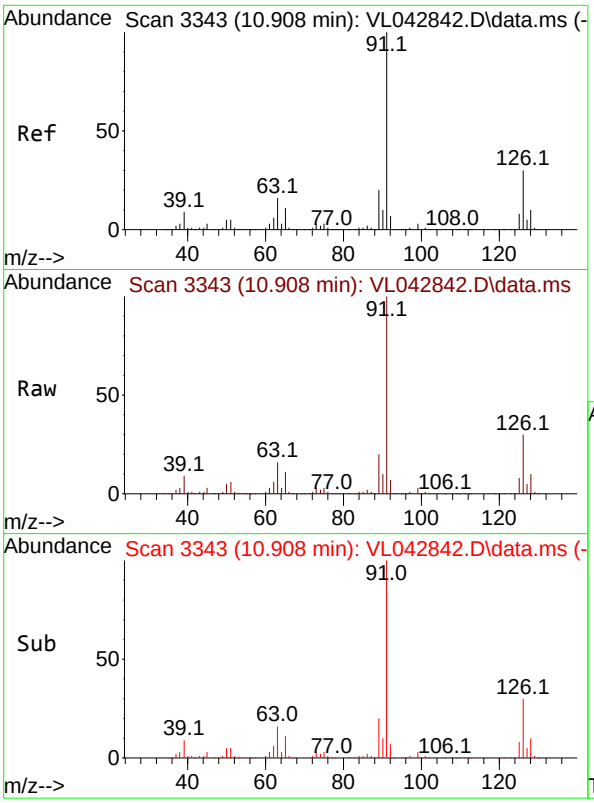


#70
n-Butylbenzene
Concen: 8.995 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion: 91 Resp: 713713

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.6	66.8
134	23.7	19.0	28.4



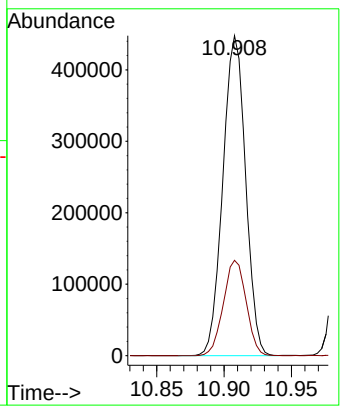


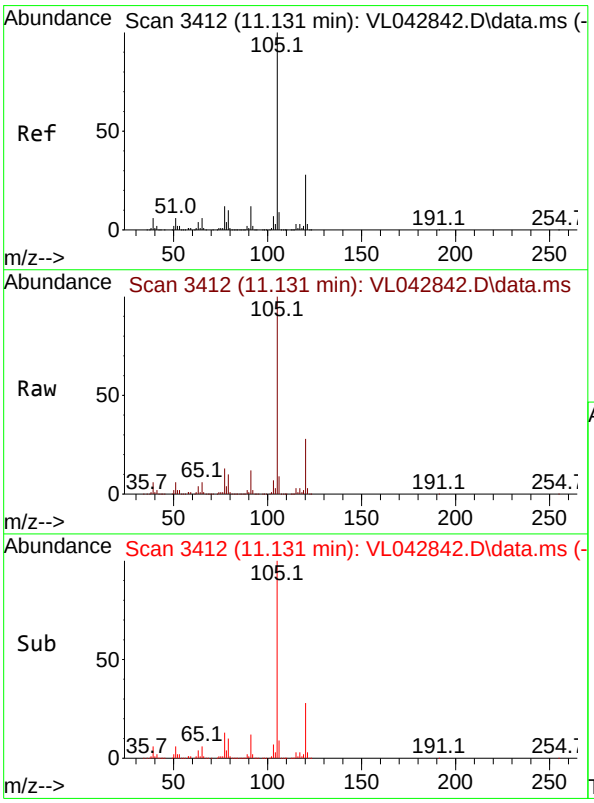
#71
2-Chlorotoluene
Concen: 8.981 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 525235

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

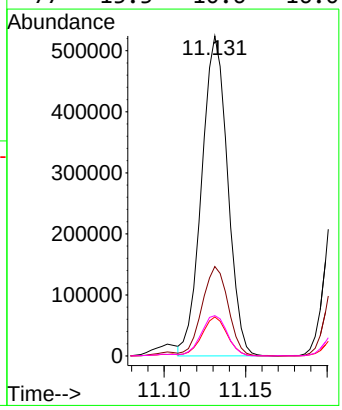


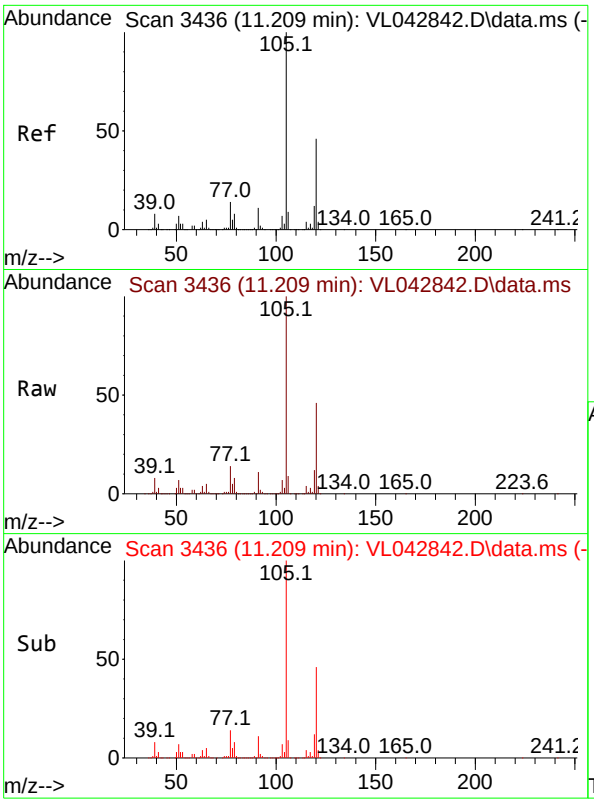


#72
4-Ethyltoluene
Concen: 9.267 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 578931

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.4	35.2
91	12.2	9.8	14.6
77	13.3	10.6	16.0



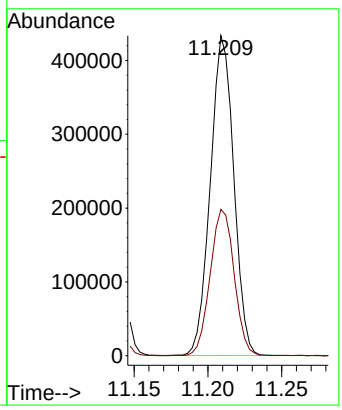


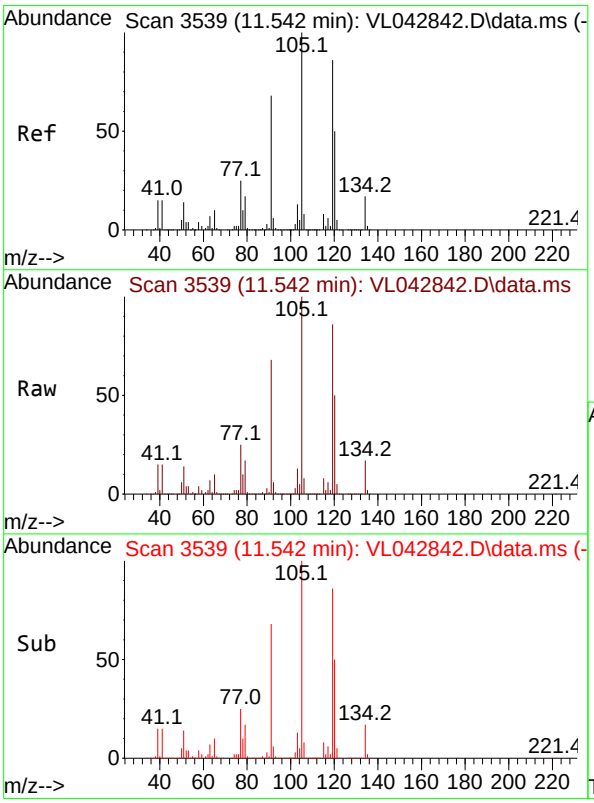
#73
1,3,5-Trimethylbenzene
Concen: 9.012 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 478784

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.6	54.8

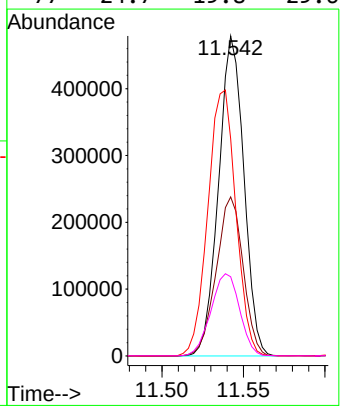


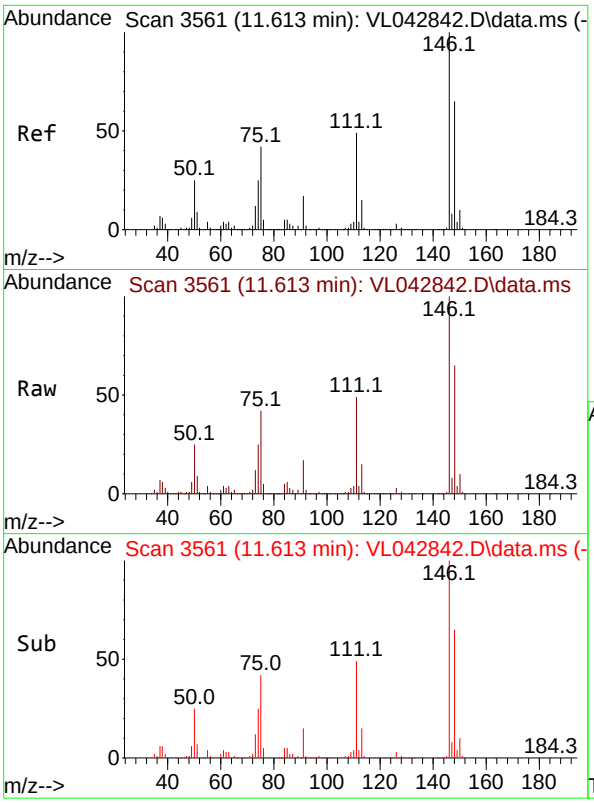


#74
1,2,4-Trimethylbenzene
Concen: 8.853 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 516253

Ion	Ratio	Lower	Upper
105	100		
120	49.7	39.8	59.6
91	67.8	54.2	81.4
77	24.7	19.8	29.6



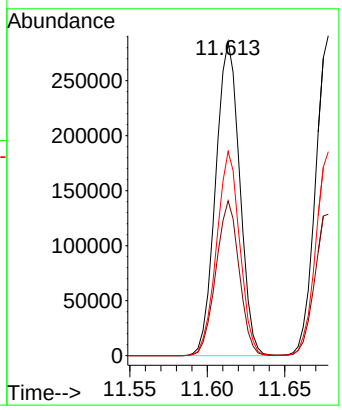


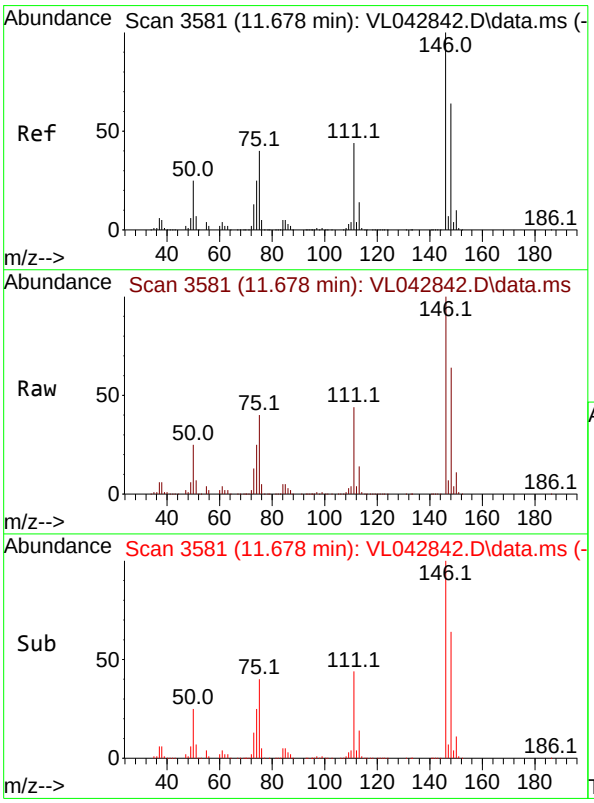
#75
1,3-Dichlorobenzene
Concen: 9.280 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 307640

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.9	71.7
148	62.7	31.4	94.0

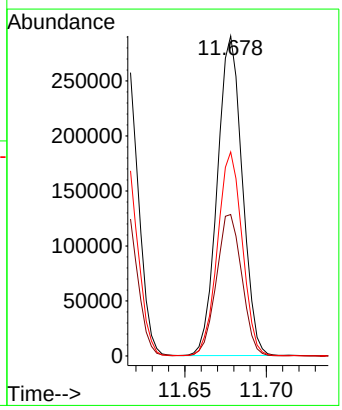


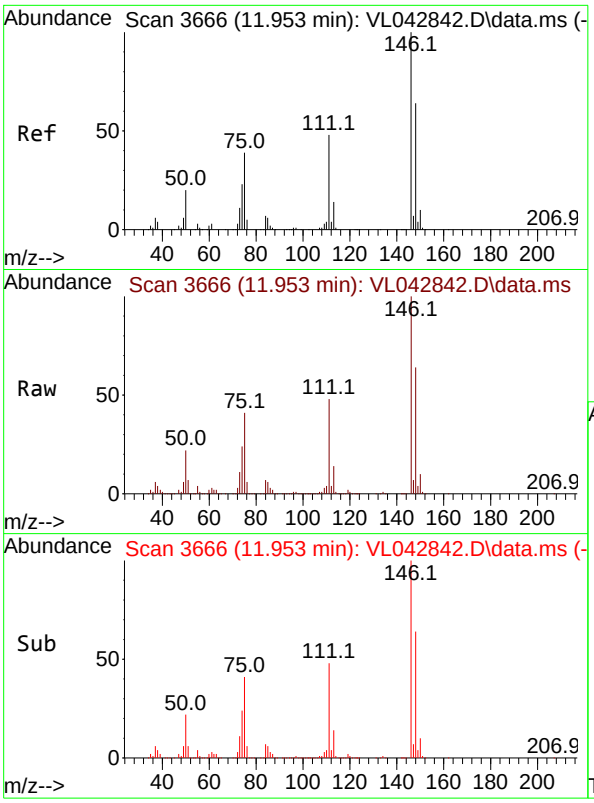


#76
1,4-Dichlorobenzene
Concen: 9.203 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 308542

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.7	68.1
148	63.5	31.8	95.3



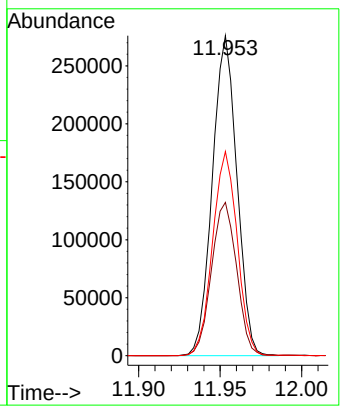


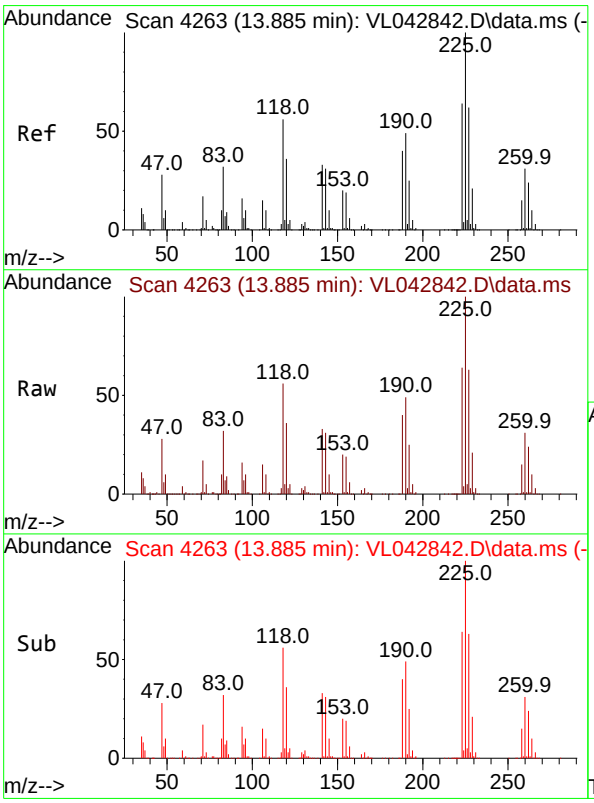
#77
1,2-Dichlorobenzene
Concen: 8.907 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 289119

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	74.0
148	64.0	32.0	96.0

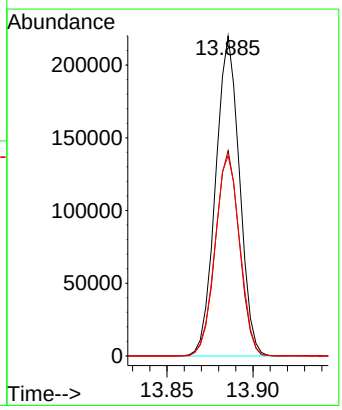


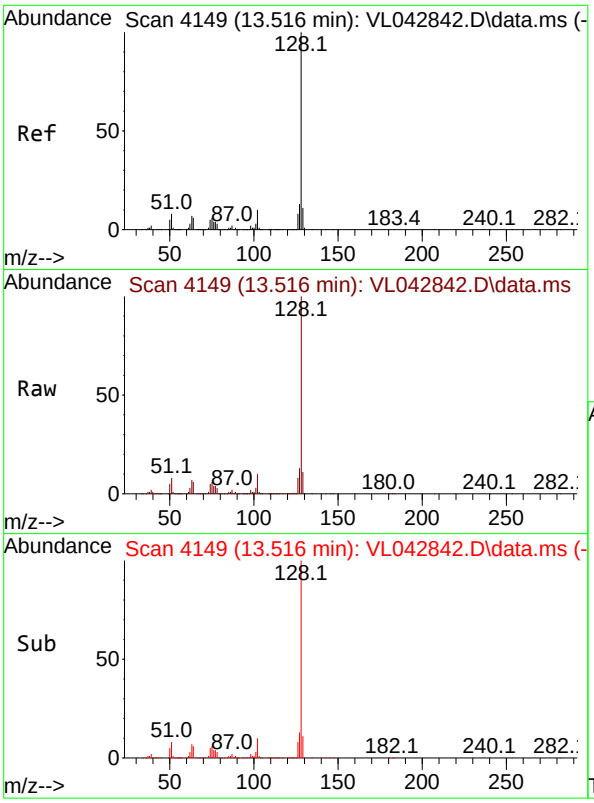


#78
Hexachloro-1,3-Butadiene
Concen: 7.968 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:225 Resp: 211996

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.9	51.9	77.9



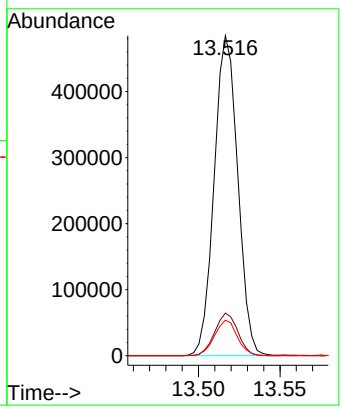


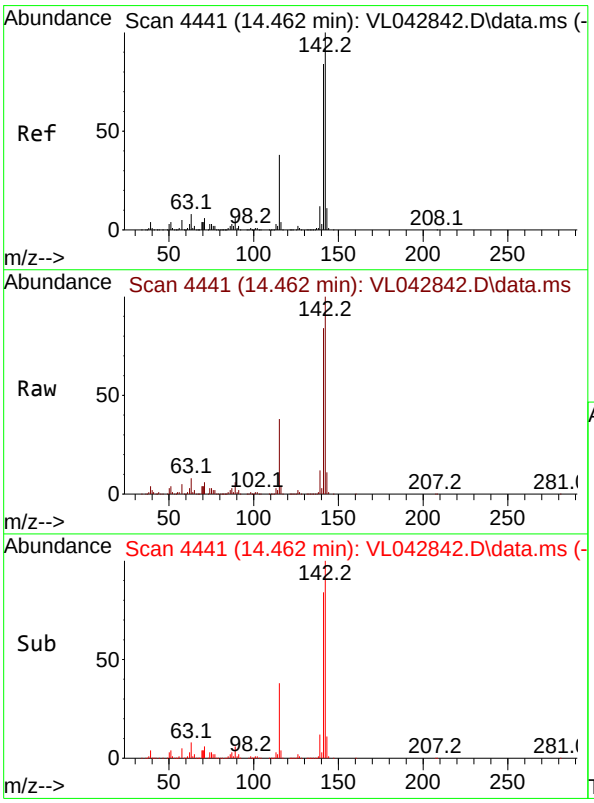
#79
Naphthalene
Concen: 9.335 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 487174

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.9	13.3

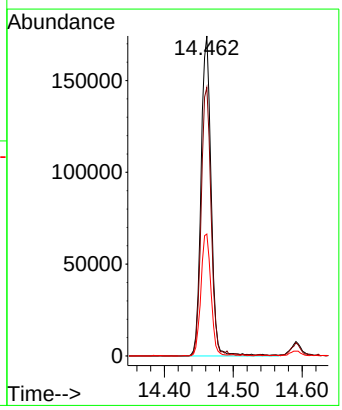


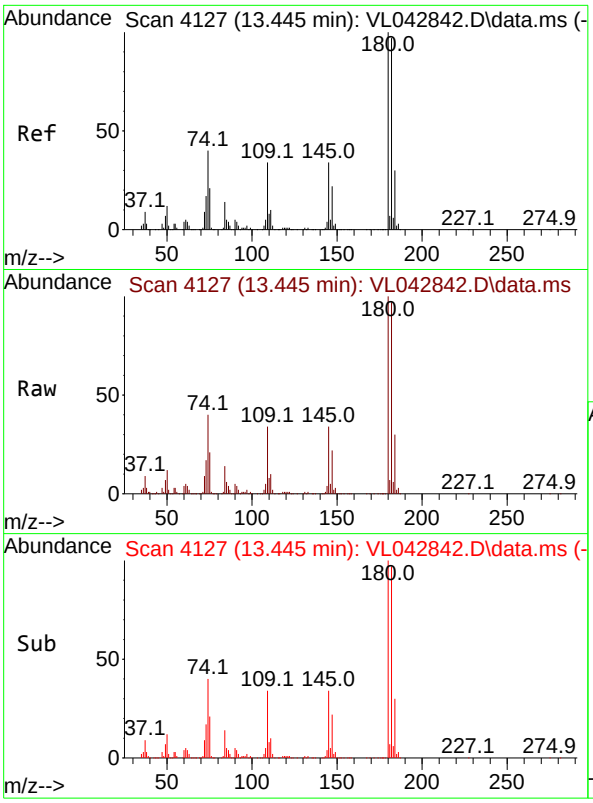


#80
Naphthalene,2-methyl-
Concen: 9.000 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Tgt Ion:142 Resp: 176880

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	38.6	30.9	46.3



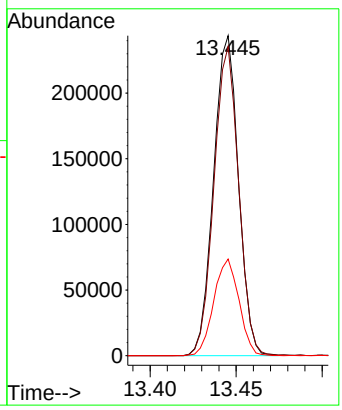


#81
1,2,4-Trichlorobenzene
Concen: 9.220 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042842.D
Acq: 13 Aug 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 244998

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.6	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	130555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	408144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	363830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	270774	9.923	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	39443	2.061	ppbv	99
3) Chlorodifluoromethane	1.480	51	44759	2.114	ppbv	96
4) Chloromethane	1.535	50	15826	2.050	ppbv	99
5) Vinyl Chloride	1.583	62	14358	1.888	ppbv	97
6) Bromomethane	1.670	94	6248	2.055	ppbv	97
7) Chloroethane	1.706	64	5717	1.925	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	32496	2.075	ppbv	98
9) Propene	1.486	41	18678	2.045	ppbv	89
10) Heptane	4.991	43	50062	2.050	ppbv	97
11) Trichlorofluoromethane	1.881	101	38308	2.029	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	31052	2.064	ppbv	99
13) Ethanol	1.725	45	2277	2.516	ppbv	93
14) Bromoethene	1.784	108	11376	2.089	ppbv	96
15) Acetone	1.839	43	38531	2.231	ppbv	96
16) 1,3-Butadiene	1.612	39	15122	1.932	ppbv	98
17) tert-Butyl alcohol	2.046	59	40652	1.985	ppbv	97
18) 1,1-Dichloroethene	2.039	96	13883	2.099	ppbv	95
19) Isopropyl Alcohol	1.891	45	20866	2.023	ppbv #	39
20) Methylene Chloride	2.065	84	14204	1.963	ppbv #	92
21) Allyl Chloride	2.101	41	24662	2.021	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	15773	2.132	ppbv	96
23) Vinyl Acetate	2.467	43	48269	2.125	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	30931	2.024	ppbv	98
25) Ethyl Acetate	2.842	43	86804	2.077	ppbv	98
26) Hexane	2.832	57	39735	2.060	ppbv	94
27) Carbon Disulfide	2.156	76	39466	2.102	ppbv #	15
28) Methyl tert-Butyl Ether	2.444	73	21341	2.169	ppbv	96
29) Chloroform	2.855	83	56553	2.053	ppbv	95
30) Cyclohexane	3.868	84	34992	2.069	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	39783	2.062	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	57837	1.983	ppbv	100
34) 2-Butanone	2.564	43	57172	2.075	ppbv	98
35) Carbon Tetrachloride	3.771	117	56459	2.007	ppbv	97
36) Benzene	3.664	78	80781	2.067	ppbv	98
37) 1,2-Dichloroethane	3.227	62	41034	2.010	ppbv	97
38) Trichloroethene	4.561	130	36990	2.072	ppbv #	86
39) 1,2-Dichloropropane	4.328	63	29059	2.036	ppbv	98
40) 1,4-Dioxane	4.606	88	11947	1.788	ppbv #	74
41) Tetrahydrofuran	3.062	42	31994	2.082	ppbv	97
42) Bromodichloromethane	4.503	83	63436	2.085	ppbv	97
43) Methyl Methacrylate	4.888	69	16511	1.030	ppbv #	1
44) 2,2,4-Trimethylpentane	4.655	57	136794	2.085	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	37248	2.048	ppbv	90

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	26940	1.180	ppbv		98
47) 1,1,2-Trichloroethane	6.593	97	22158	1.466	ppbv		91
48) Dibromochloromethane	7.399	129	51620	2.109	ppbv		100
49) Bromoform	9.493	173	43662	2.163	ppbv		99
50) 4-Methyl-2-Pentanone	5.768	43	77225	2.066	ppbv		99
51) 2-Hexanone	7.451	43	61210	2.088	ppbv	#	98
52) Tetrachloroethene	8.234	164	28166	1.990	ppbv		92
53) Toluene	6.946	91	94690	2.036	ppbv		98
54) 1,2-Dibromoethane	7.665	107	45071	2.039	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.933	131	40090	2.131	ppbv		97
57) Chlorobenzene	8.933	112	72296	2.090	ppbv		97
58) Ethyl Benzene	9.364	91	133719	2.083	ppbv		99
59) m/p-Xylene	9.542	91	100699	1.998	ppbv	#	100
60) o-Xylene	9.972	91	105125	2.077	ppbv		100
61) Styrene	9.879	104	48027	2.025	ppbv		96
62) Isopropylbenzene	10.545	105	155223	2.098	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	56139	2.031	ppbv		98
64) n-propylbenzene	10.995	120	39922	2.115	ppbv		97
65) tert-Butylbenzene	11.536	119	139019	2.132	ppbv		99
66) Benzyl Chloride	11.623	91	17893	2.161	ppbv		97
67) sec-Butylbenzene	11.772	105	196899	2.151	ppbv		98
69) p-Isopropyltoluene	11.931	119	169429	2.156	ppbv		99
70) n-Butylbenzene	12.287	91	169768	2.178	ppbv		99
71) 2-Chlorotoluene	10.908	91	119382	2.078	ppbv		99
72) 4-Ethyltoluene	11.131	105	129786	2.115	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	110043	2.109	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	123554	2.157	ppbv		97
75) 1,3-Dichlorobenzene	11.613	146	70330	2.160	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	71160	2.161	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	68944	2.162	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	58509	2.239	ppbv		100
79) Naphthalene	13.517	128	127025	2.478	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	51541	2.670	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	62216	2.384	ppbv		98

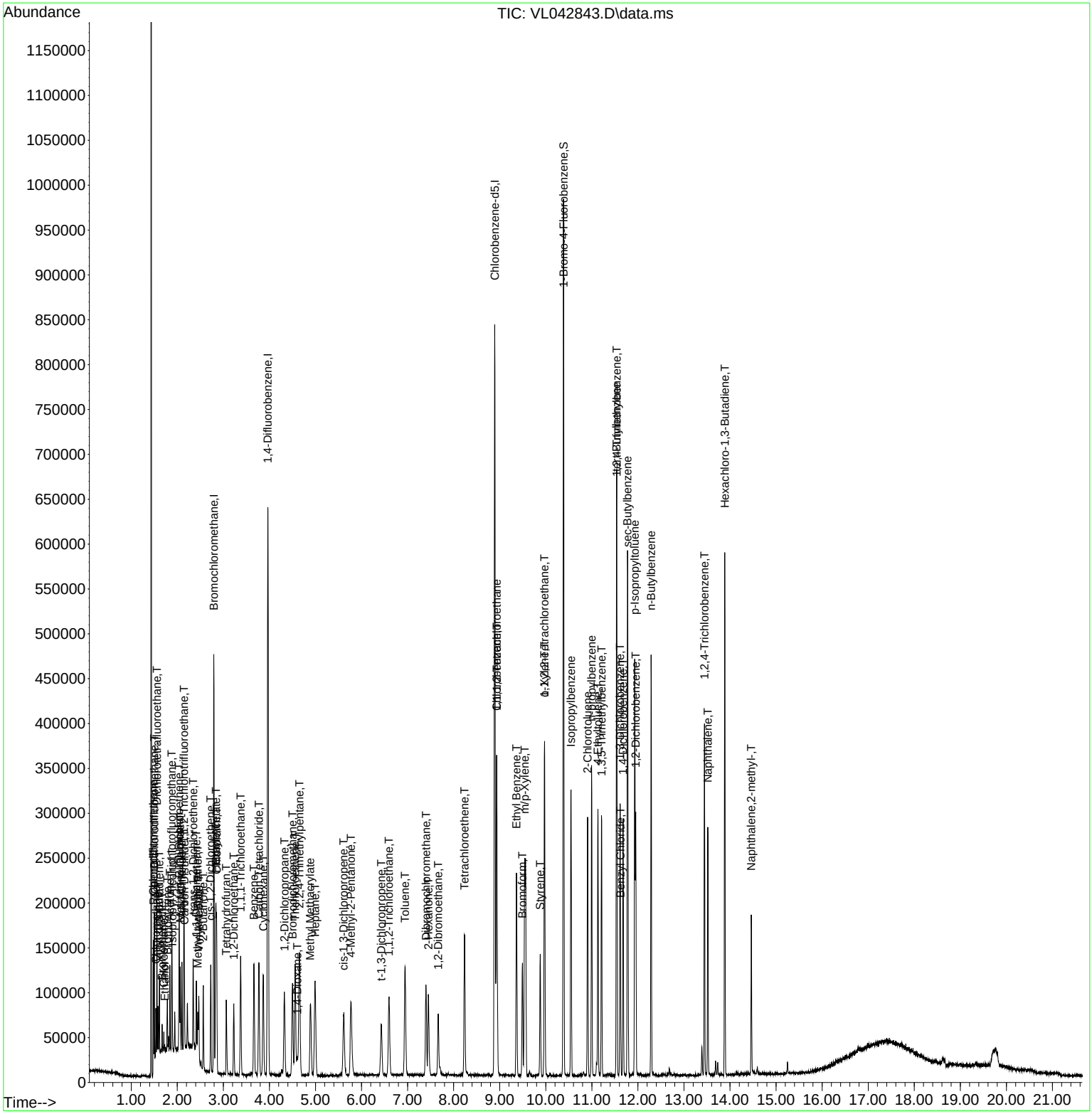
(#) = qualifier out of range (m) = manual integration (+) = signals summed

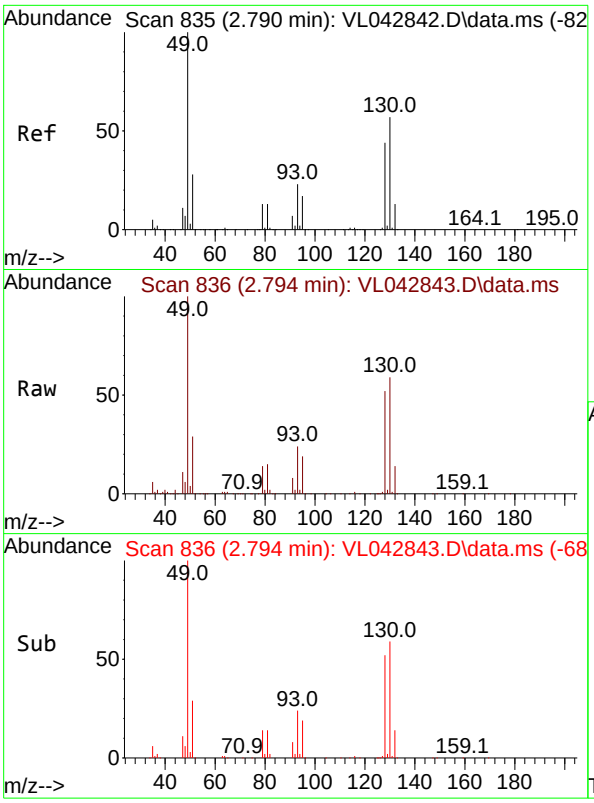
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



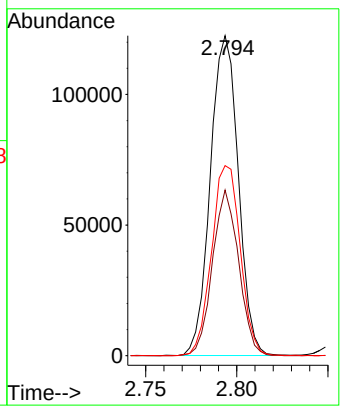


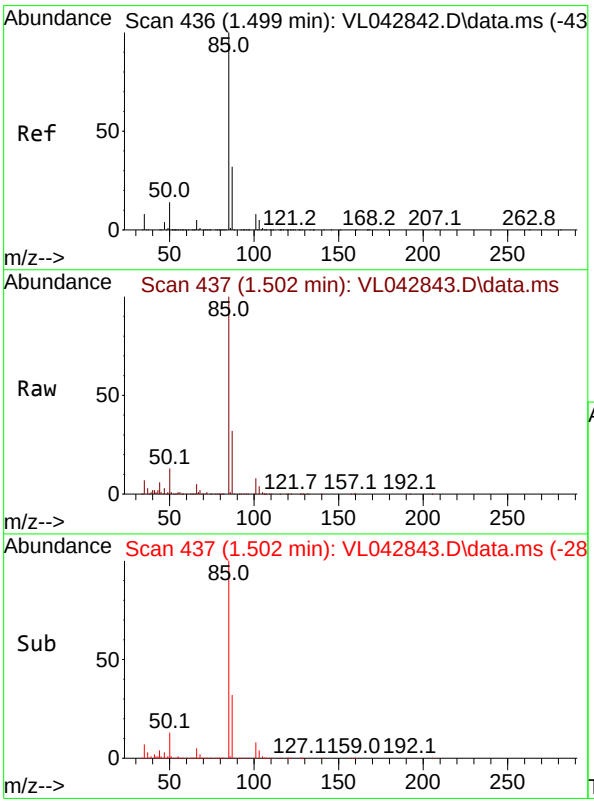
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 130555

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.7	71.1
130	61.3	30.6	91.6

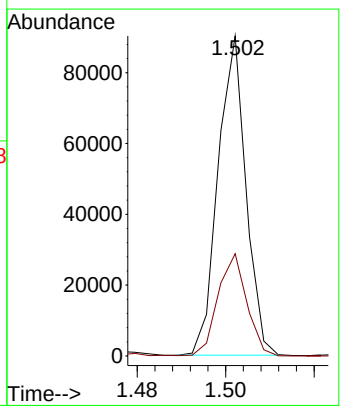


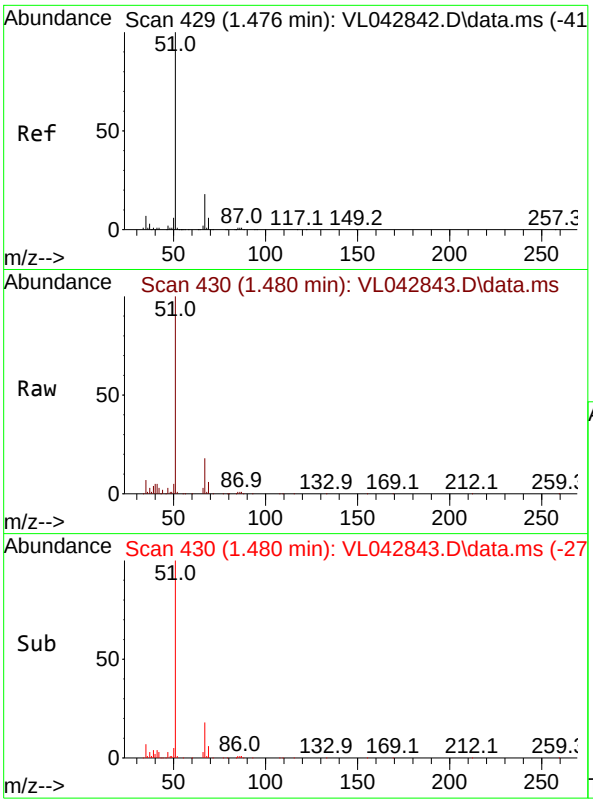


#2
Dichlorodifluoromethane
Concen: 2.061 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 85 Resp: 39443

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.3	37.9



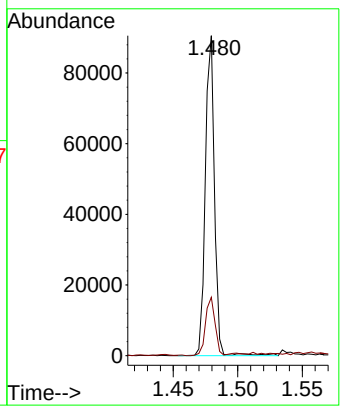


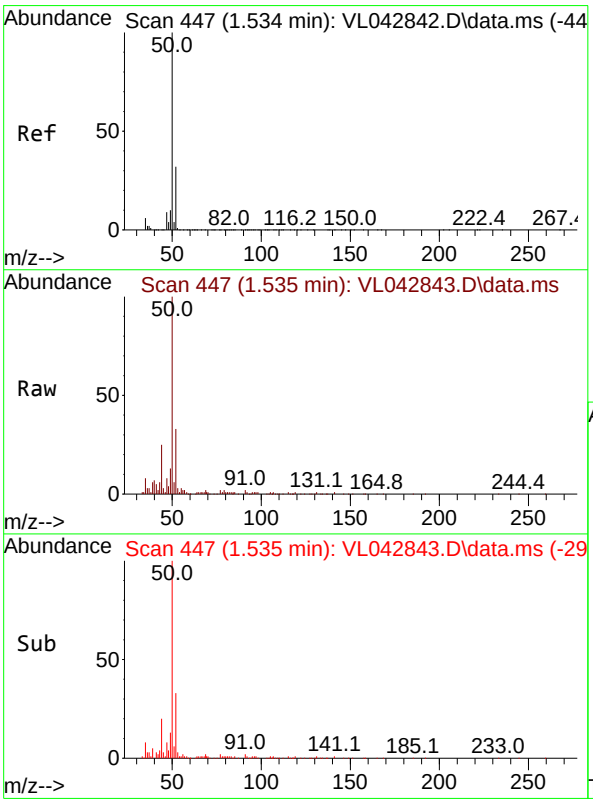
#3
Chlorodifluoromethane
Concen: 2.114 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 44759

Ion	Ratio	Lower	Upper
51	100		
67	20.3	14.9	22.3

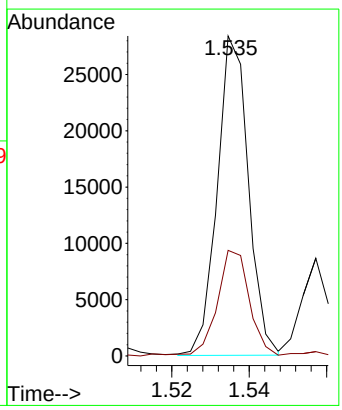


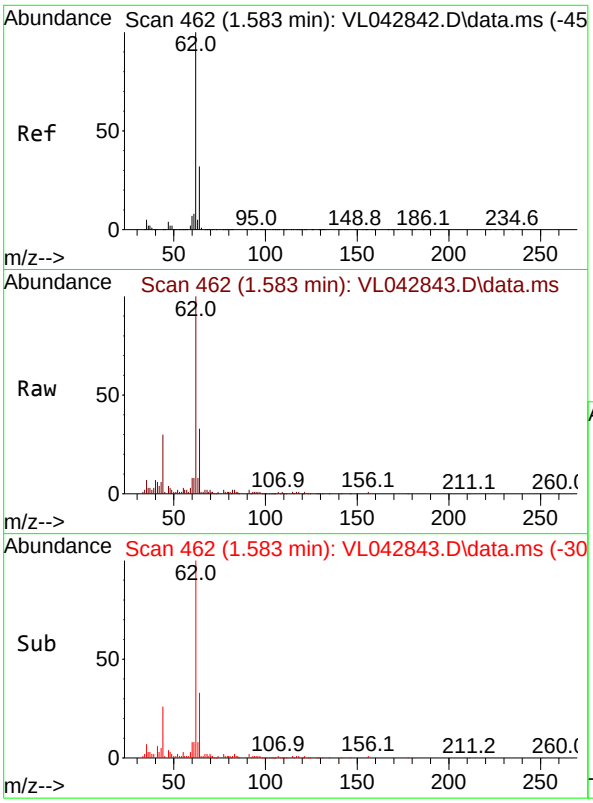


#4
Chloromethane
Concen: 2.050 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 50 Resp: 15826

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.9	38.9



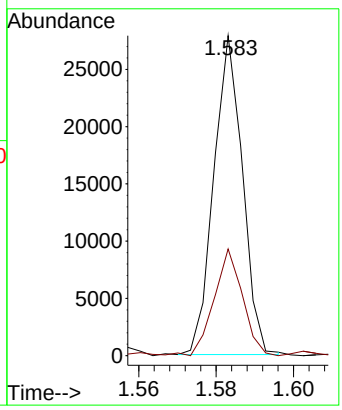


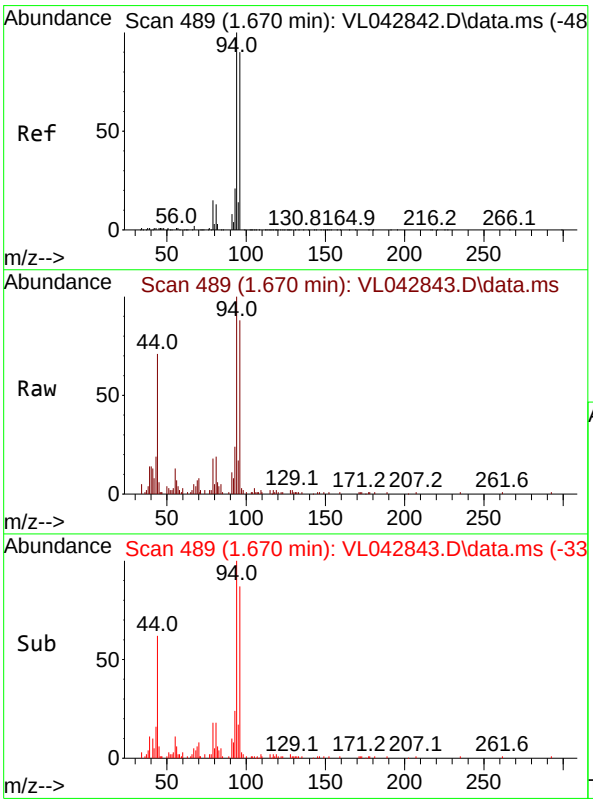
#5
Vinyl Chloride
Concen: 1.888 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 14358

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.4	38.2

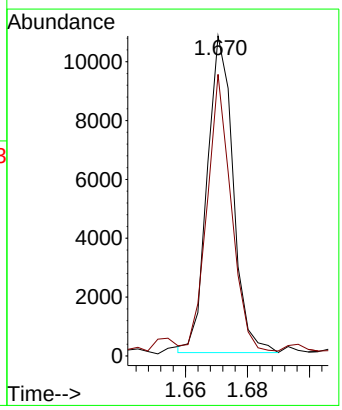


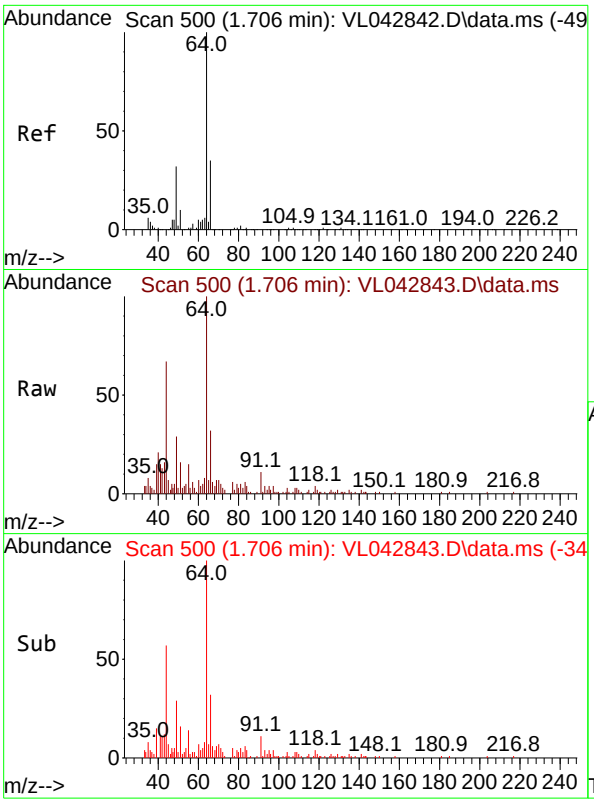


#6
Bromomethane
Concen: 2.055 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 94 Resp: 6248

Ion	Ratio	Lower	Upper
94	100		
96	87.4	72.1	108.1



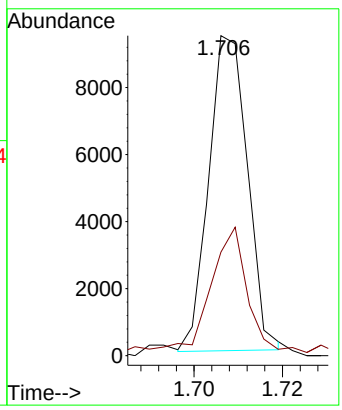


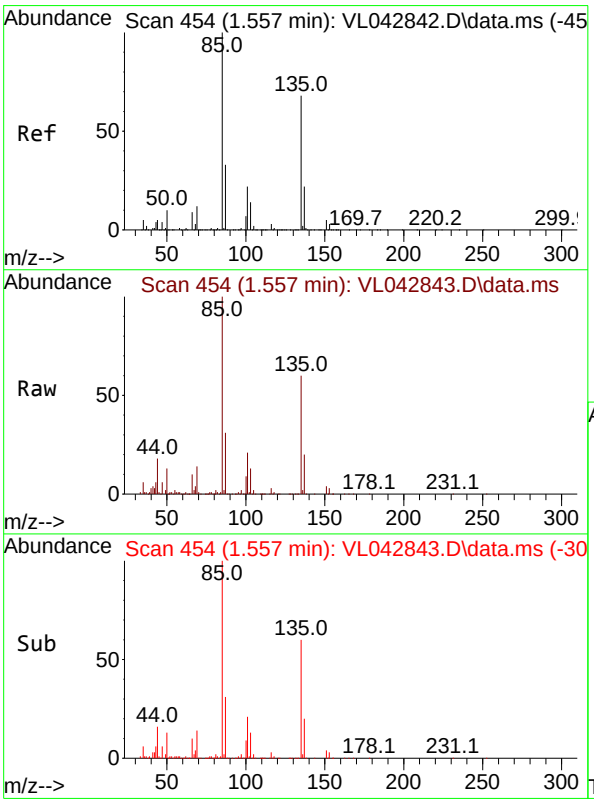
#7
Chloroethane
Concen: 1.925 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 5717

Ion	Ratio	Lower	Upper
64	100		
66	32.3	28.6	42.8

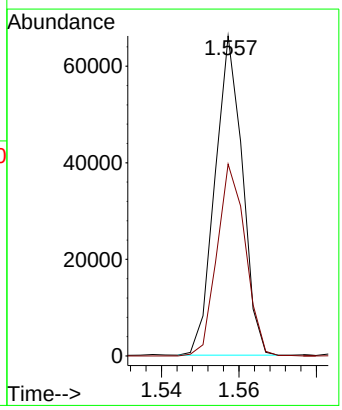


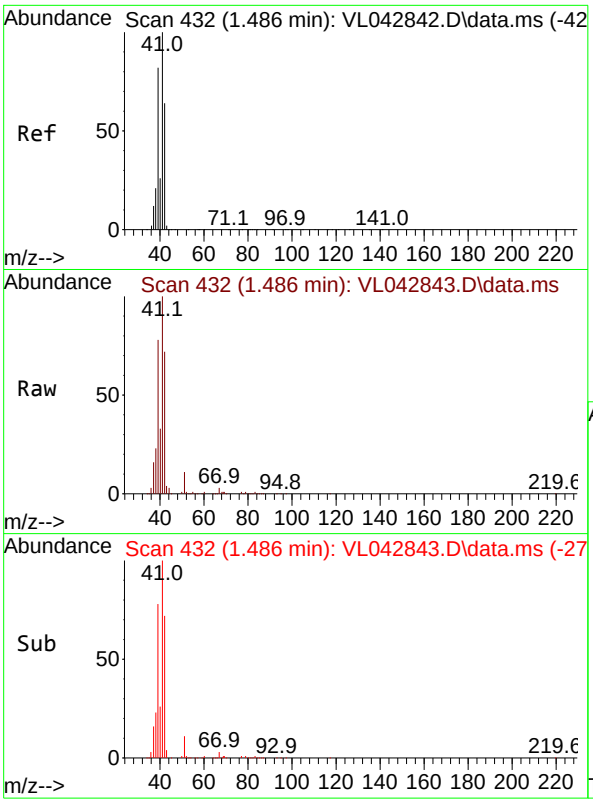


#8
Dichlorotetrafluoroethane
Concen: 2.075 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 85 Resp: 32496

Ion	Ratio	Lower	Upper
85	100		
135	62.7	51.2	76.8



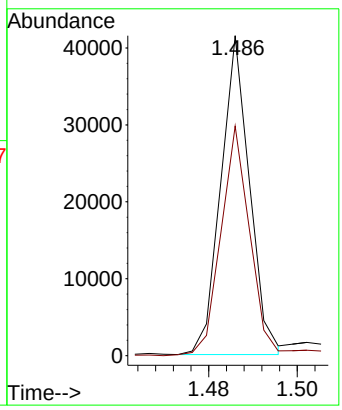


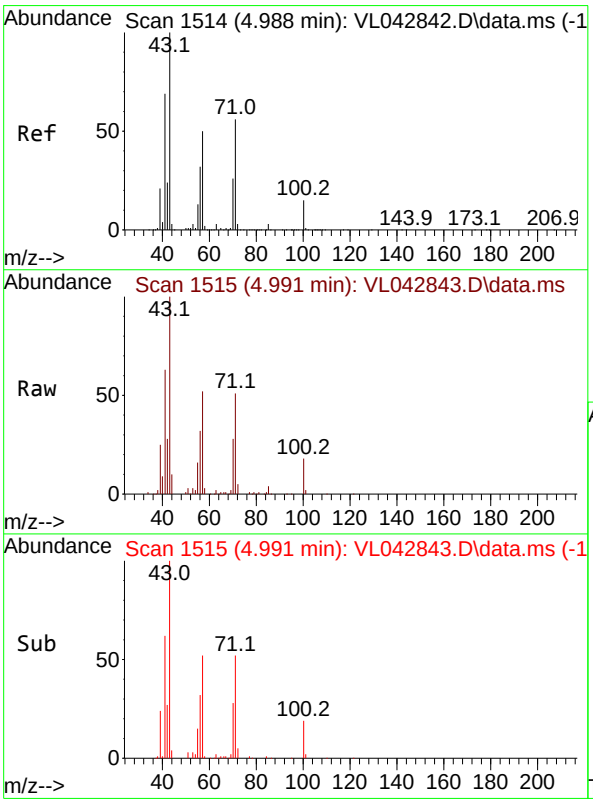
#9
Propene
Concen: 2.045 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 18678

Ion	Ratio	Lower	Upper
41	100		
42	74.8	53.0	79.4

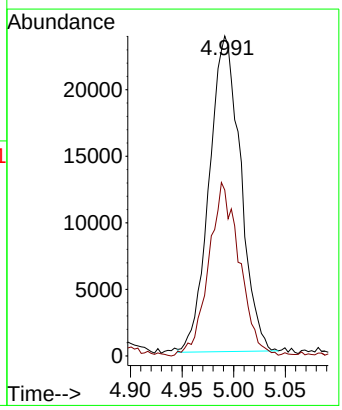


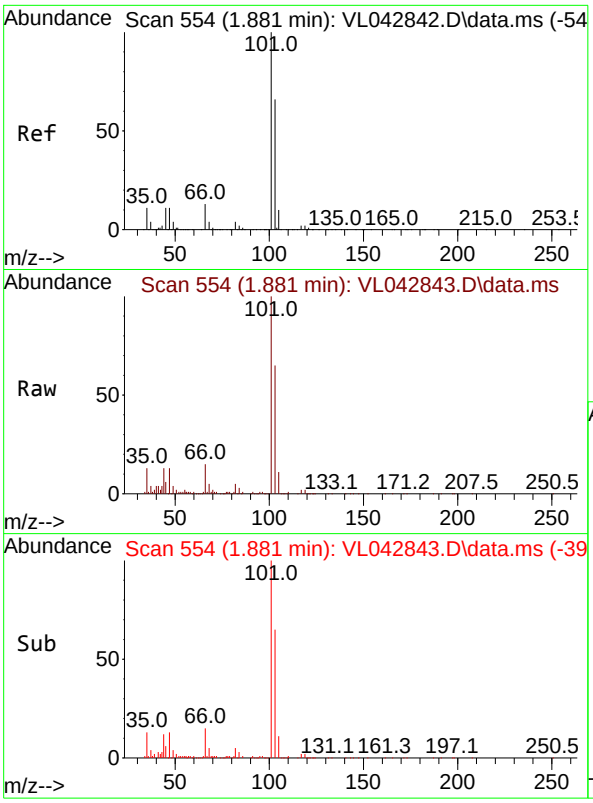


#10
Heptane
Concen: 2.050 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 50062

Ion	Ratio	Lower	Upper
43	100		
57	54.1	41.4	62.0



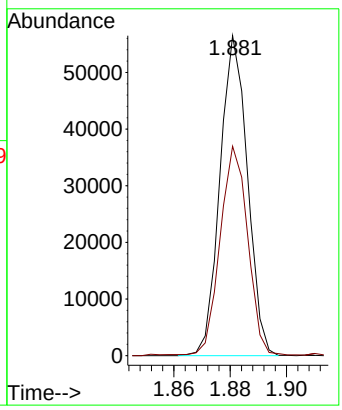


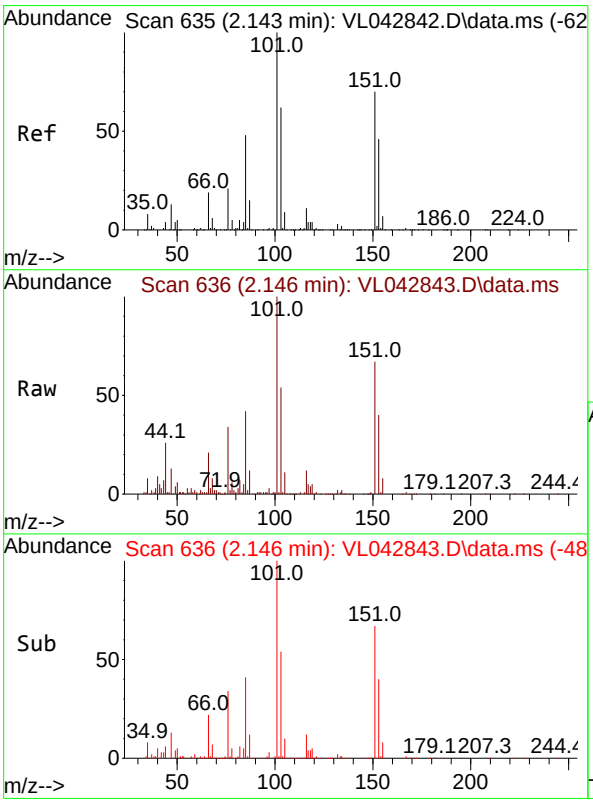
#11
Trichlorofluoromethane
Concen: 2.029 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 38308

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.5	78.7

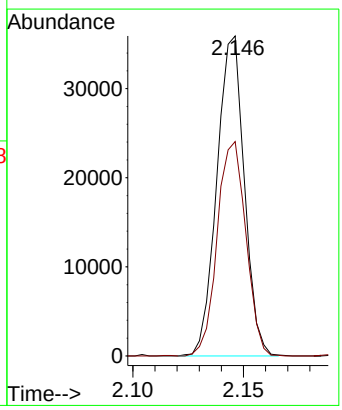


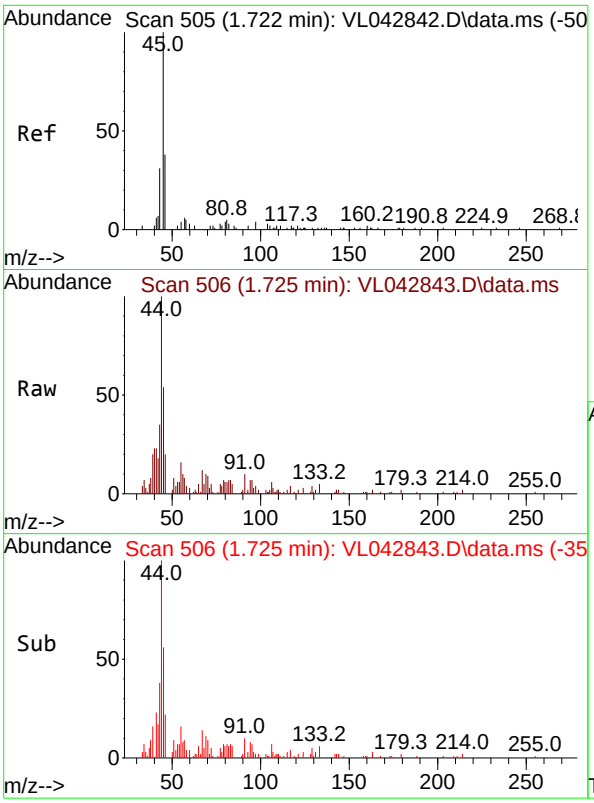


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.064 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:101 Resp: 31052

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6



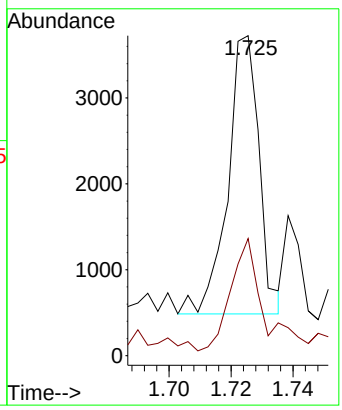


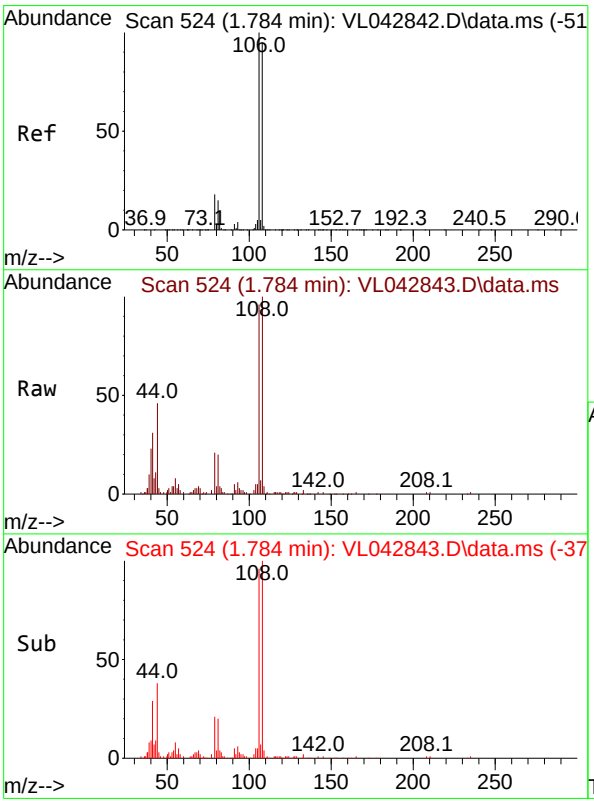
#13
Ethanol
Concen: 2.516 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2277

Ion	Ratio	Lower	Upper
45	100		
46	48.3	17.5	69.9

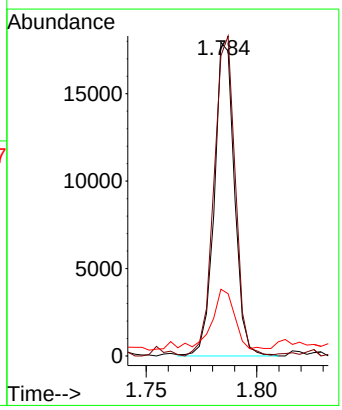


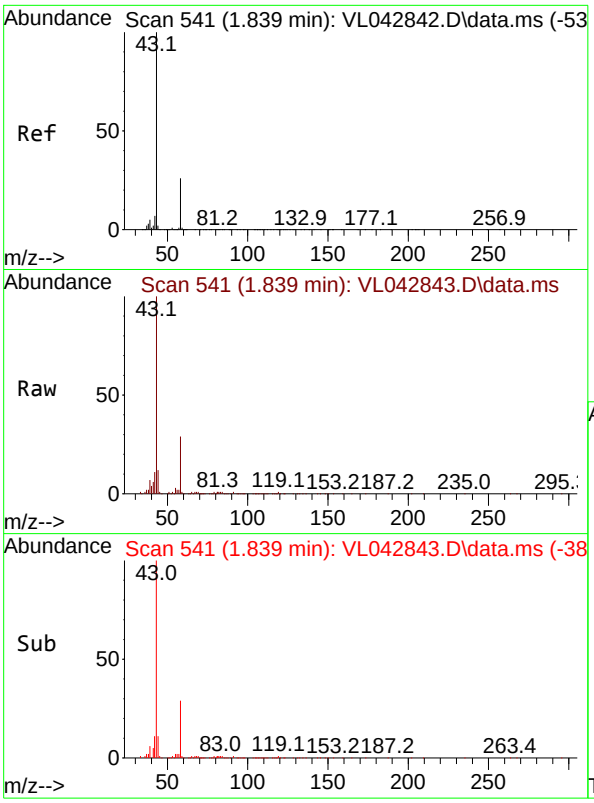


#14
Bromoethene
Concen: 2.089 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:108 Resp: 11376

Ion	Ratio	Lower	Upper
108	100		
106	110.8	85.1	127.7
79	22.6	16.3	24.5



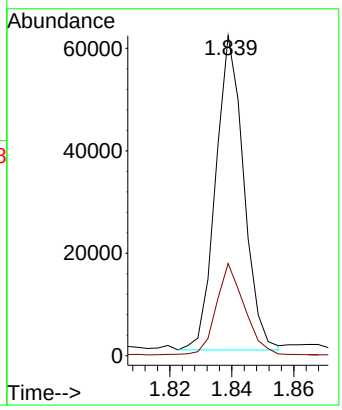


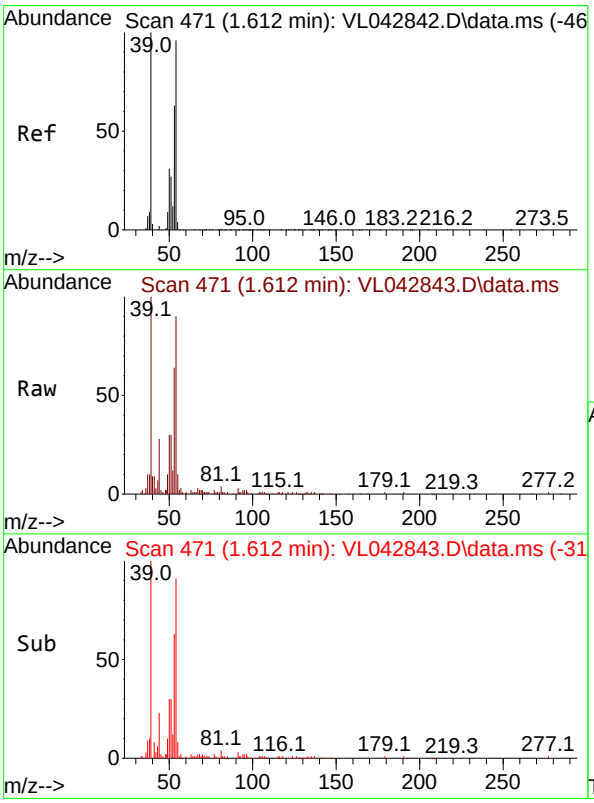
#15
Acetone
Concen: 2.231 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 38531

Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.4	33.6

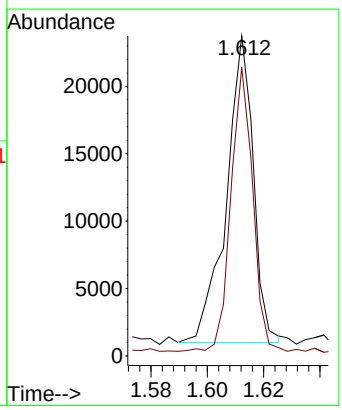


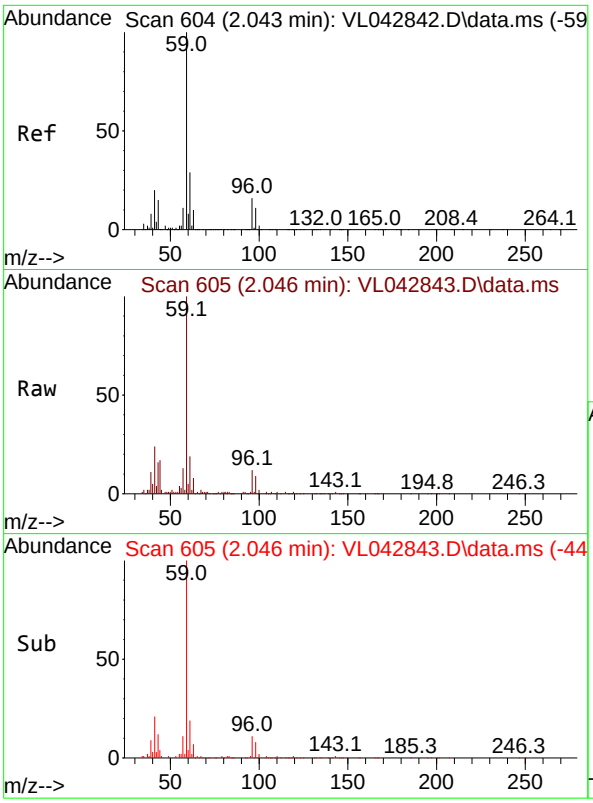


#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 39 Resp: 15122

Ion	Ratio	Lower	Upper
39	100		
54	80.8	63.6	95.4



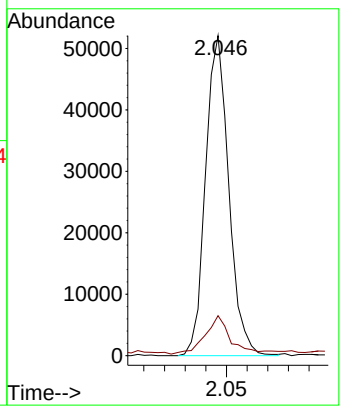


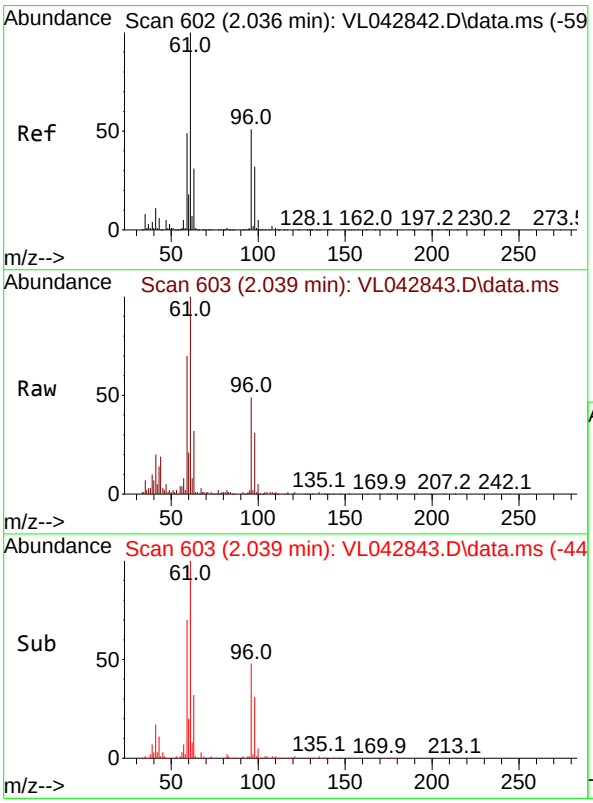
#17
tert-Butyl alcohol
Concen: 1.985 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 40652

Ion	Ratio	Lower	Upper
59	100		
57	12.4	9.0	13.4

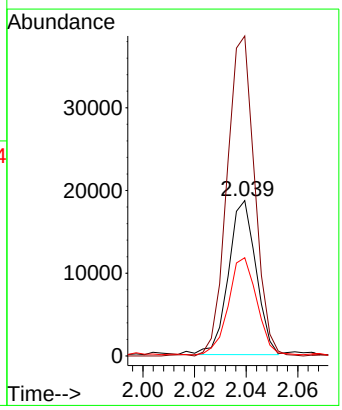


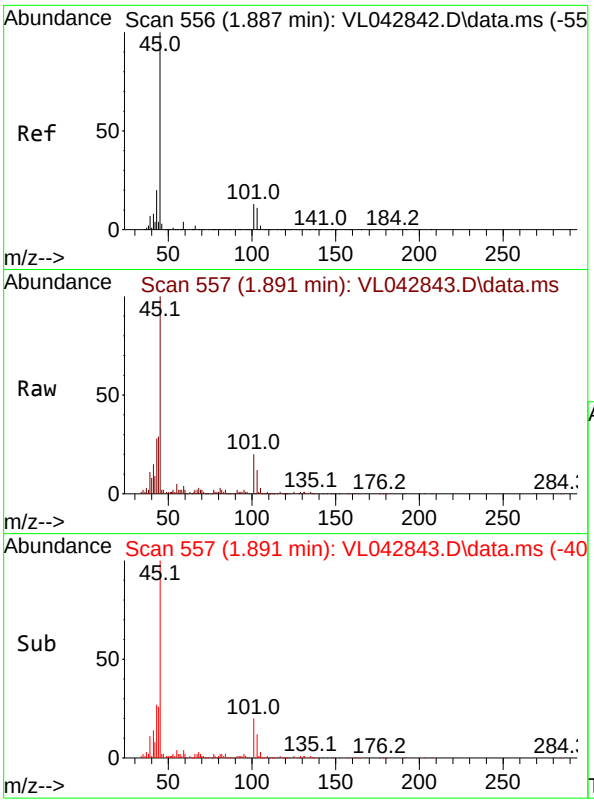


#18
1,1-Dichloroethene
Concen: 2.099 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 13883

Ion	Ratio	Lower	Upper
96	100		
61	207.1	158.2	237.4
98	62.6	50.6	76.0



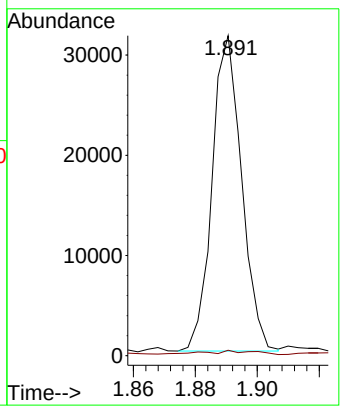


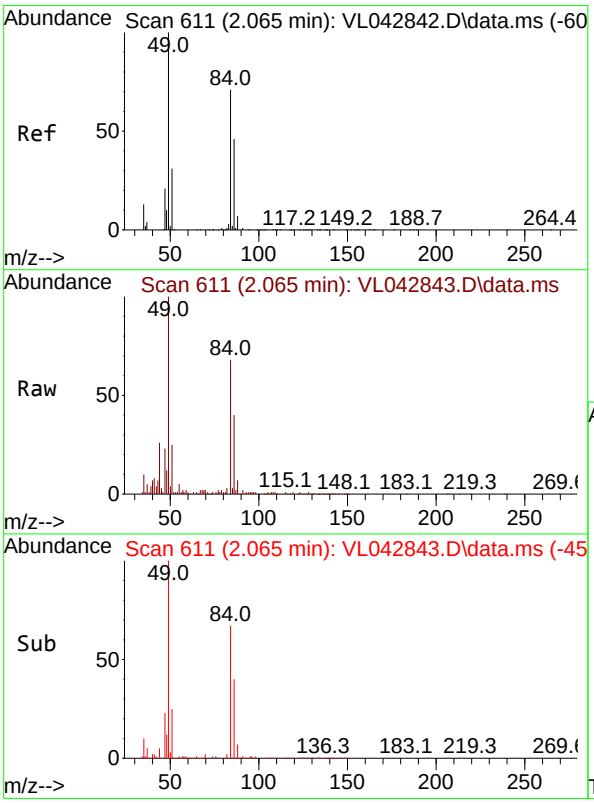
#19
Isopropyl Alcohol
Concen: 2.023 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 20866

Ion	Ratio	Lower	Upper
45	100		
58	3.1	32.7	49.1#

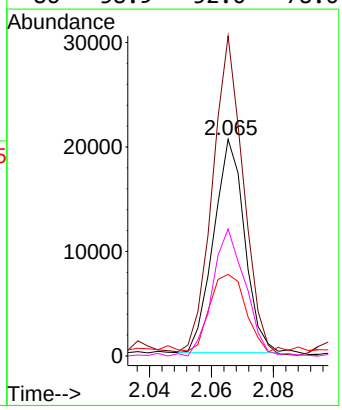


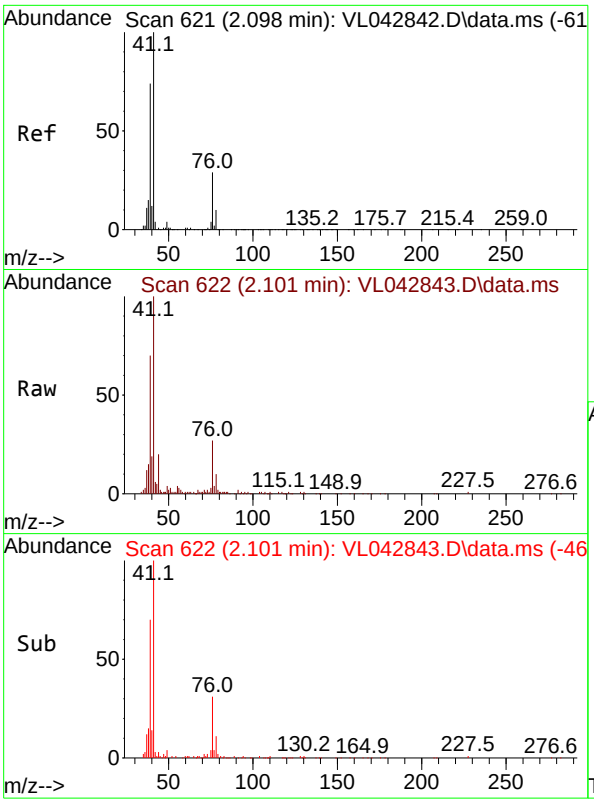


#20
Methylene Chloride
Concen: 1.963 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 84 Resp: 14204

Ion	Ratio	Lower	Upper
84	100		
49	148.1	112.3	168.5
51	35.3	36.0	54.0#
86	58.9	52.0	78.0



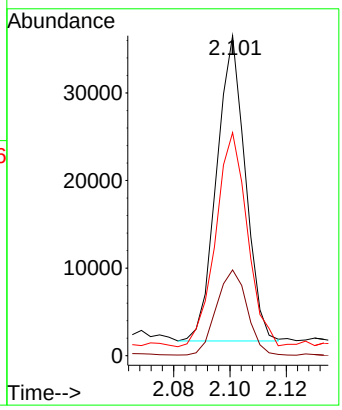


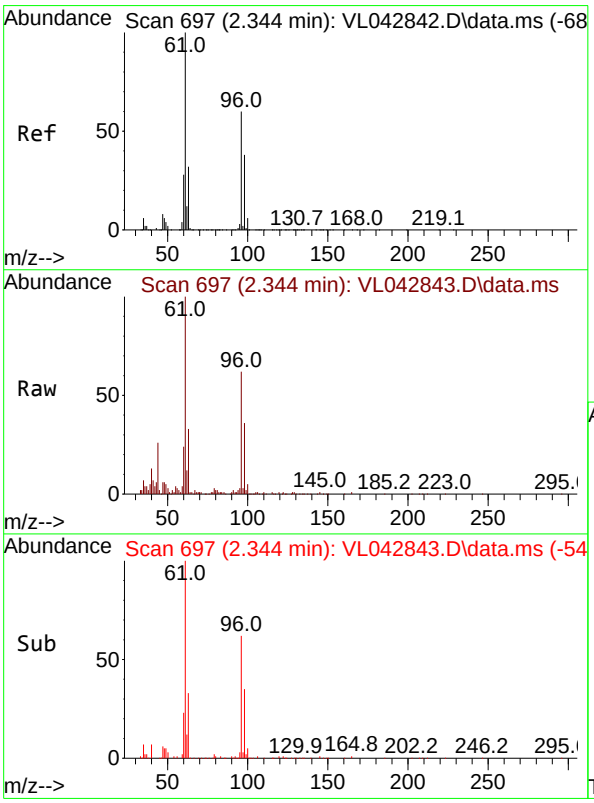
#21
Allyl Chloride
Concen: 2.021 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 24662

Ion	Ratio	Lower	Upper
41	100		
76	31.2	23.9	35.9
39	76.0	57.8	86.6

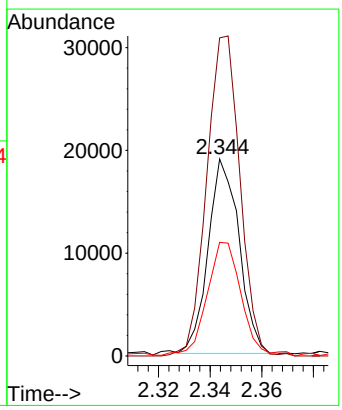


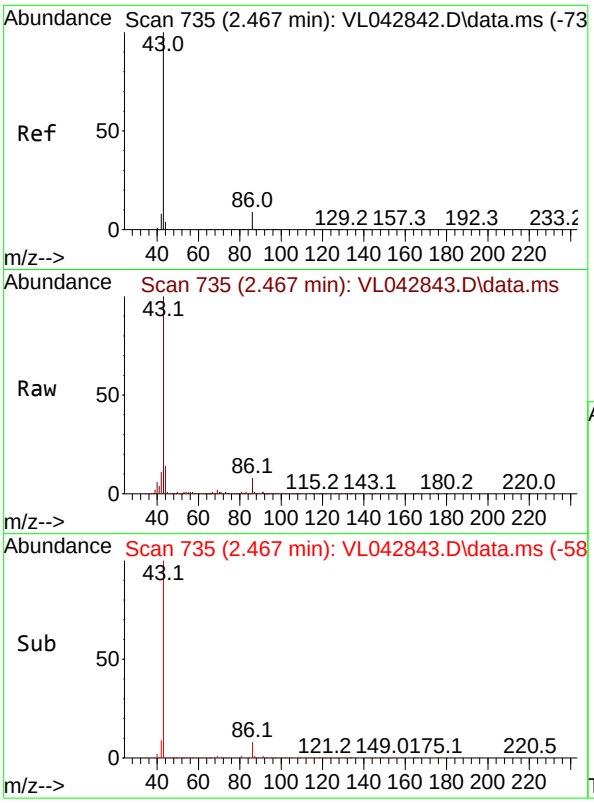


#22
trans-1,2-Dichloroethene
Concen: 2.132 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 96 Resp: 15773

Ion	Ratio	Lower	Upper
96	100		
61	162.8	132.6	199.0
98	56.7	50.0	75.0



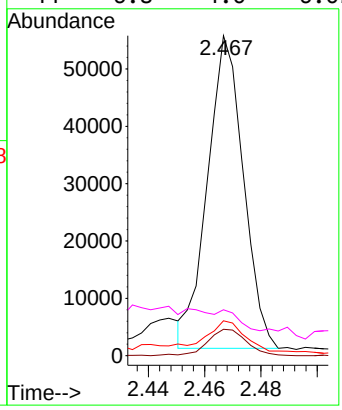


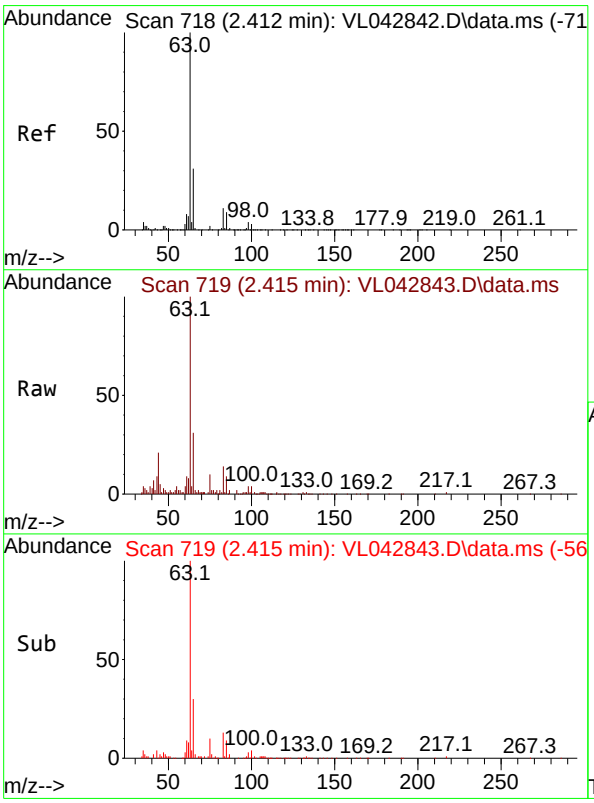
#23
Vinyl Acetate
Concen: 2.125 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 48269

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	9.7	7.0	10.6
44	6.8	4.0	6.0#

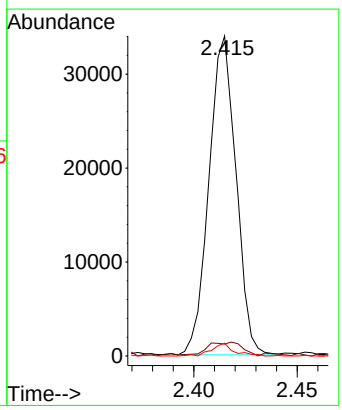


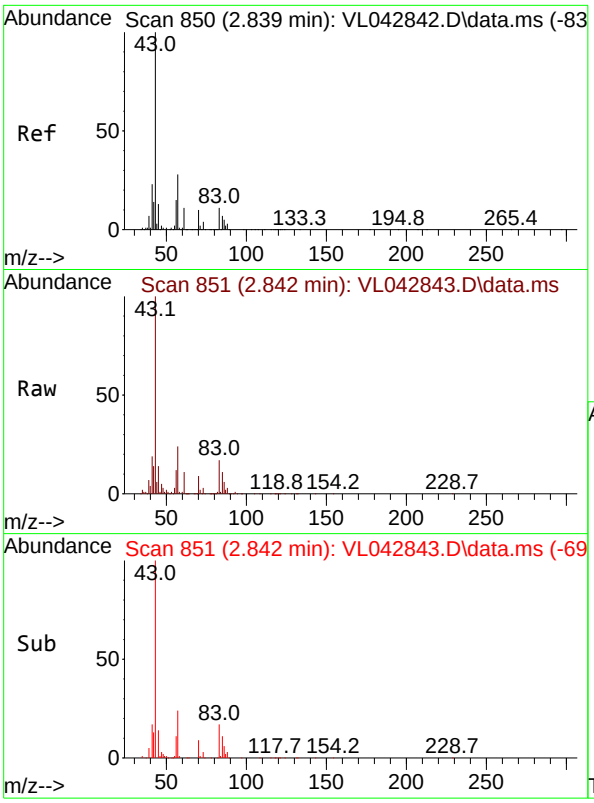


#24
1,1-Dichloroethane
Concen: 2.024 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 63 Resp: 30931

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.5
100	4.0	1.7	5.1



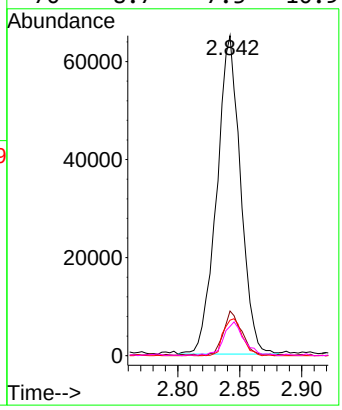


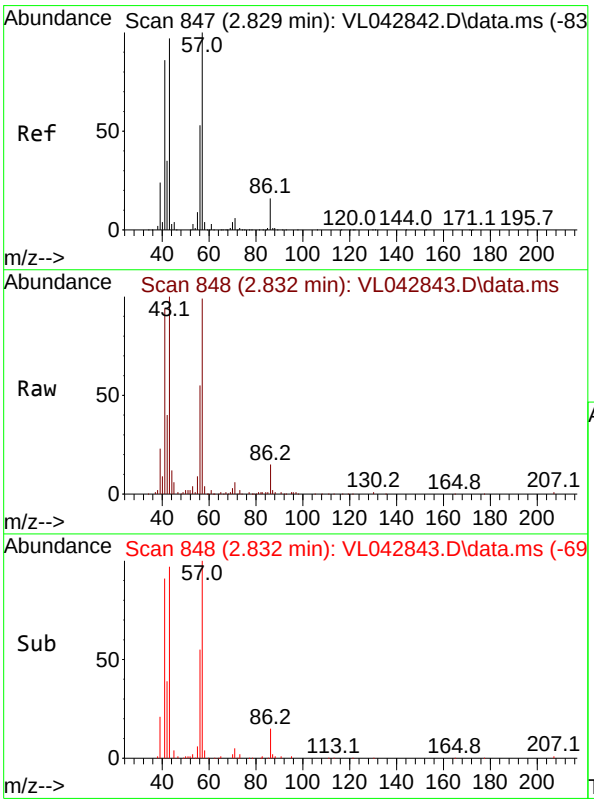
#25
Ethyl Acetate
Concen: 2.077 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 86804

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.1	12.1
61	9.4	7.4	11.2
70	8.7	7.3	10.9

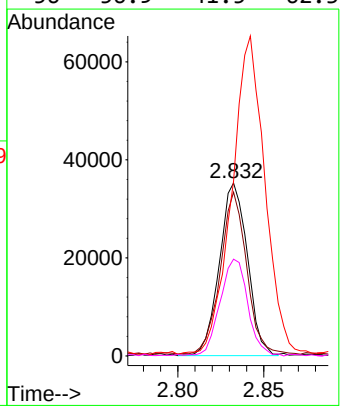


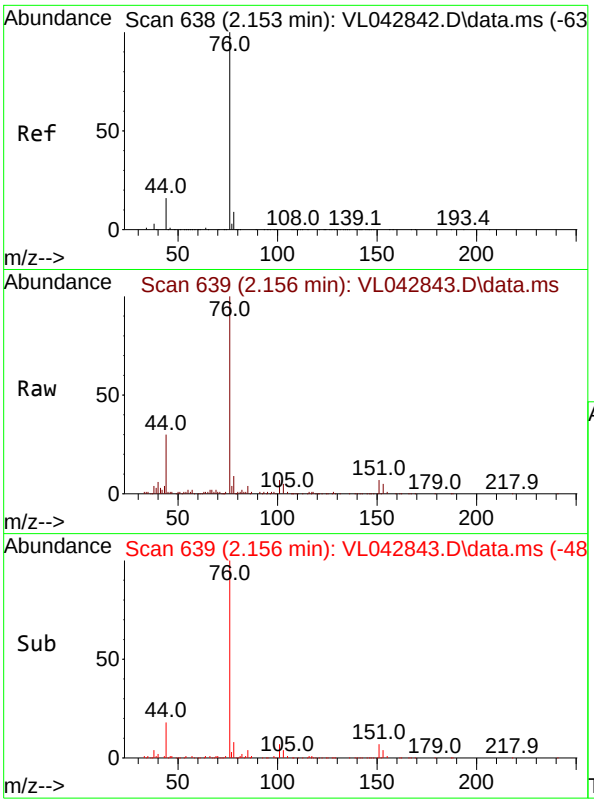


#26
Hexane
Concen: 2.060 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 57 Resp: 39735

Ion	Ratio	Lower	Upper
57	100		
41	90.3	68.6	103.0
43	219.4	168.5	252.7
56	56.9	41.5	62.3



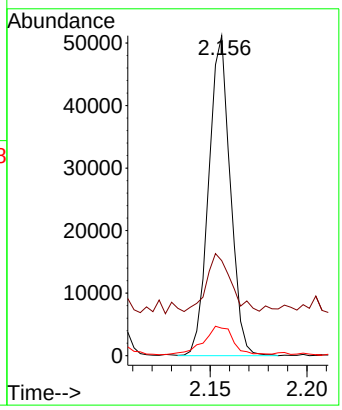


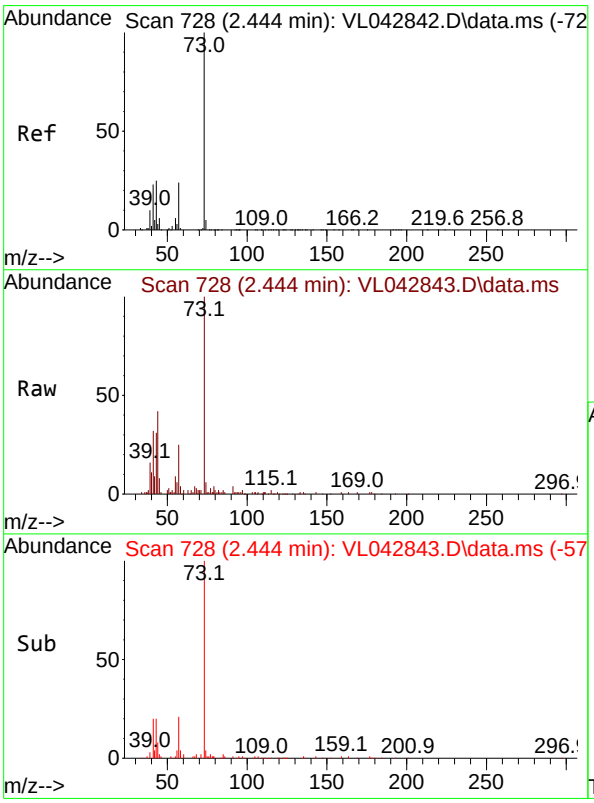
#27
Carbon Disulfide
Concen: 2.102 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 39466

Ion	Ratio	Lower	Upper
76	100		
44	81.0	15.9	23.9#
78	13.8	9.5	14.3

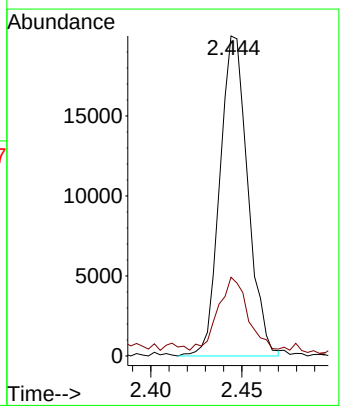


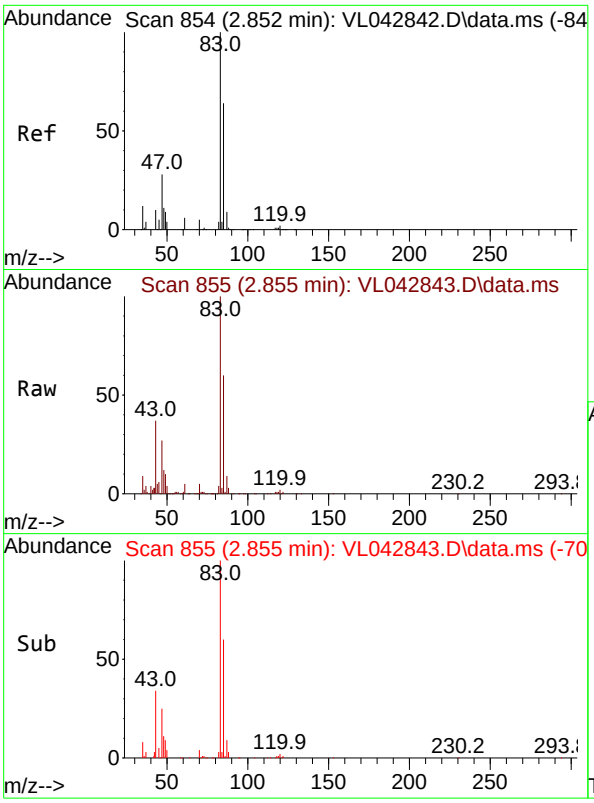


#28
Methyl tert-Butyl Ether
Concen: 2.169 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 73 Resp: 21341

Ion	Ratio	Lower	Upper
73	100		
57	24.8	21.6	32.4



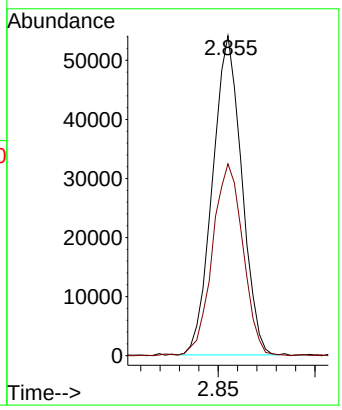


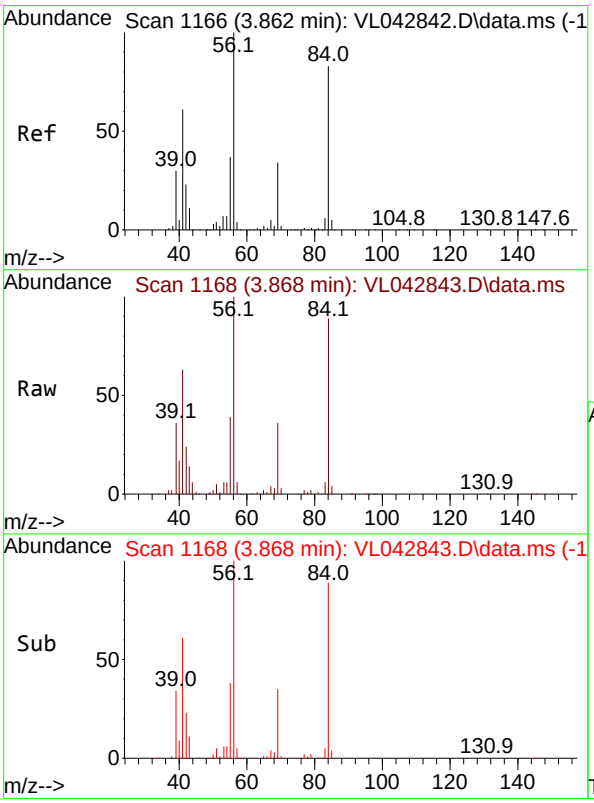
#29
Chloroform
Concen: 2.053 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 56553

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.1	76.7

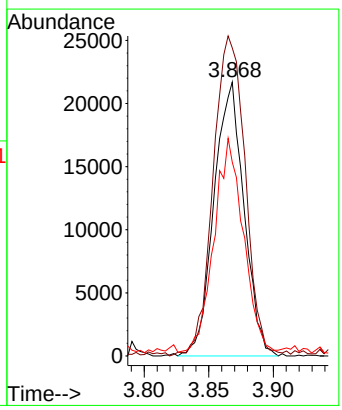


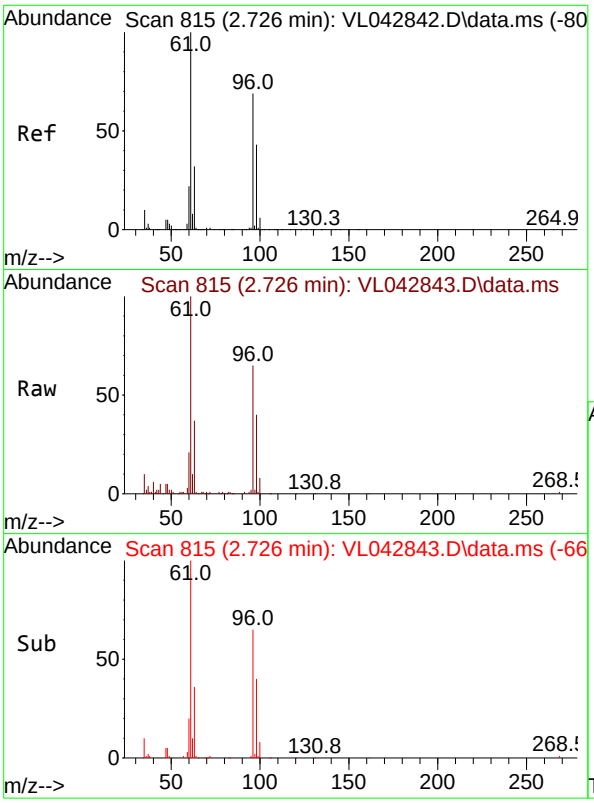


#30
Cyclohexane
Concen: 2.069 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 84 Resp: 34992

Ion	Ratio	Lower	Upper
84	100		
56	123.9	98.8	148.2
41	79.6	61.3	91.9



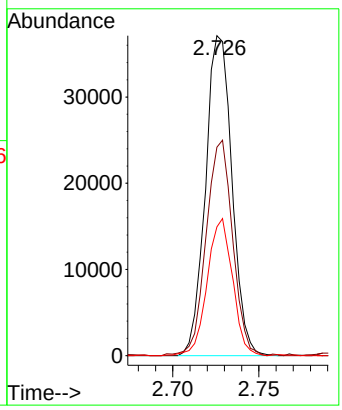


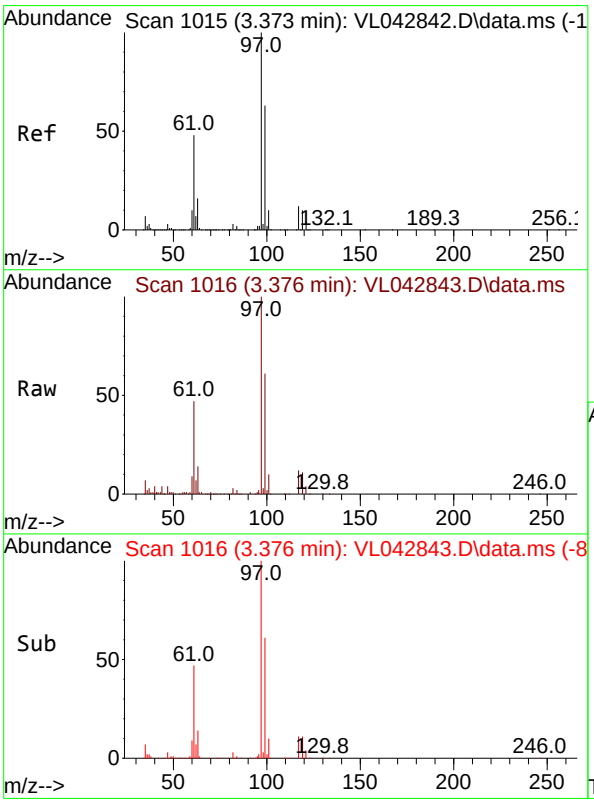
#31
cis-1,2-Dichloroethene
Concen: 2.062 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 39783

Ion	Ratio	Lower	Upper
61	100		
96	64.8	55.0	82.6
98	39.9	34.3	51.5

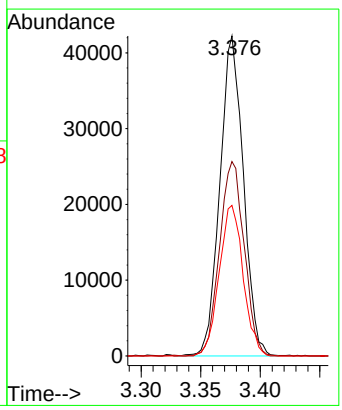


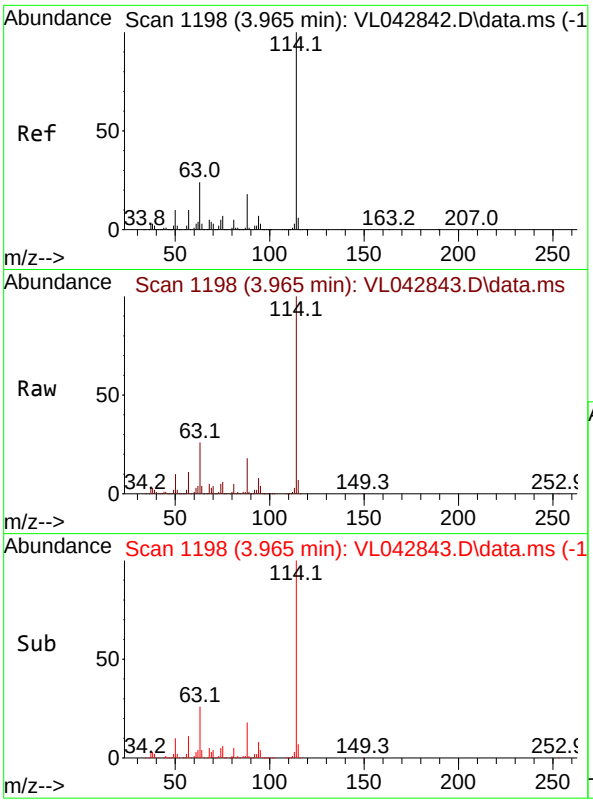


#32
1,1,1-Trichloroethane
Concen: 1.983 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 97 Resp: 57837

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	48.1	38.0	57.0



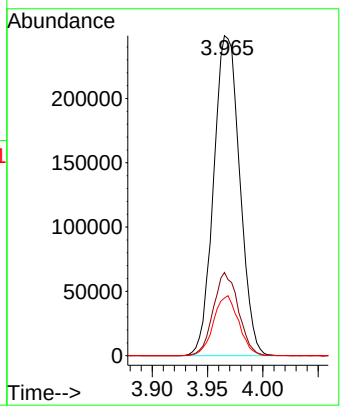


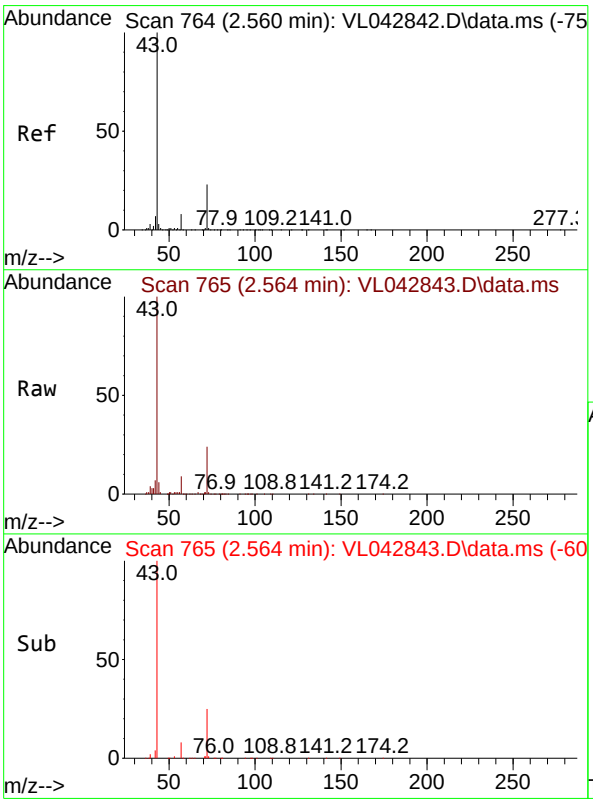
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 408144

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.7	29.5
88	18.1	14.4	21.6

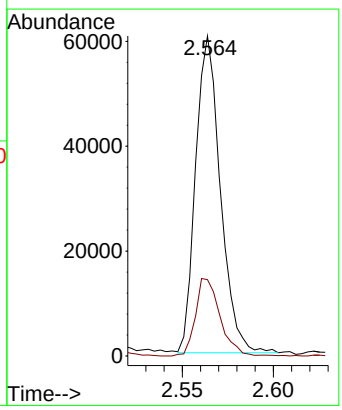


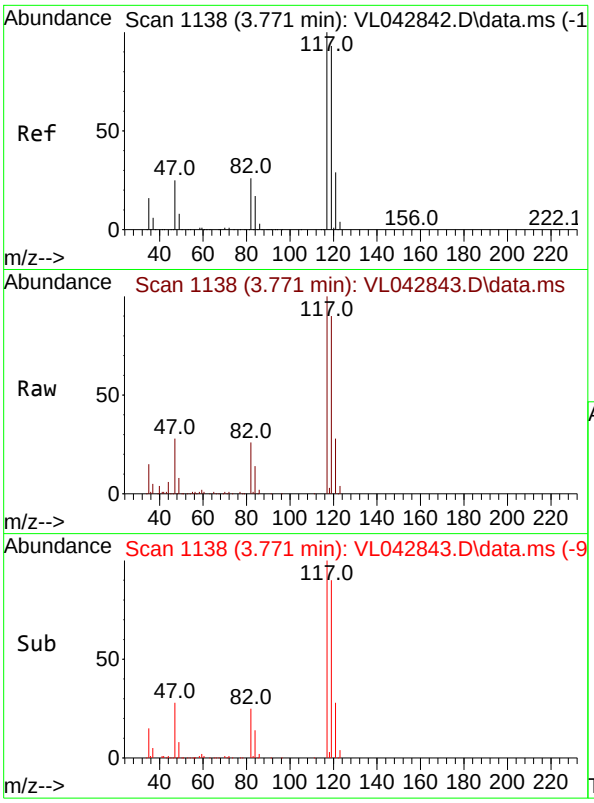


#34
2-Butanone
Concen: 2.075 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 57172

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.6	28.0



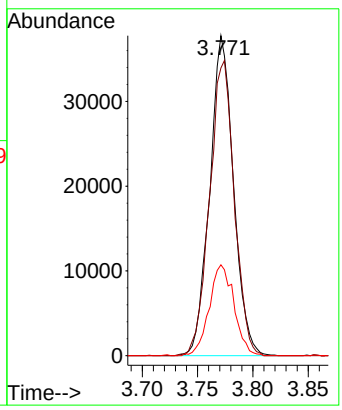


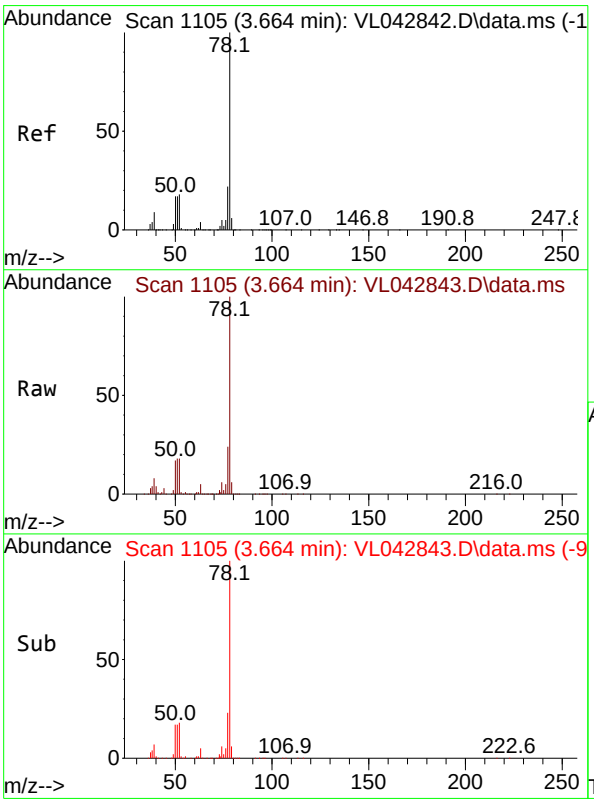
#35
Carbon Tetrachloride
Concen: 2.007 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 56459

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.7	112.1
121	28.4	23.2	34.8

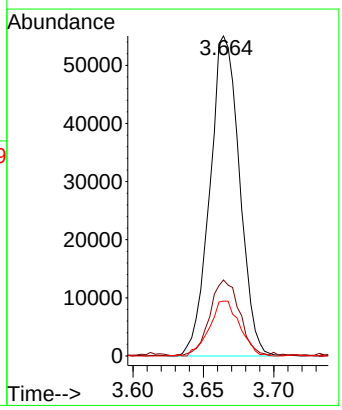


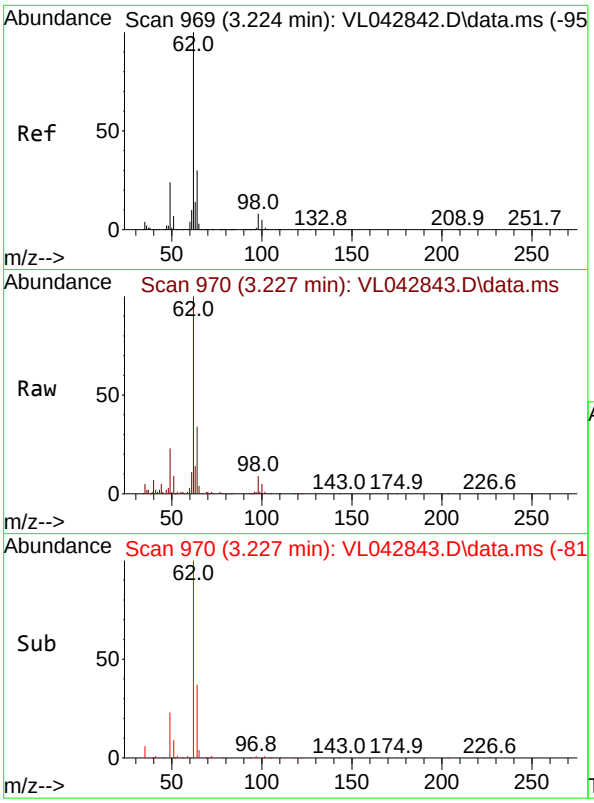


#36
Benzene
Concen: 2.067 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 78 Resp: 80781

Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.7	26.5
50	17.2	13.9	20.9



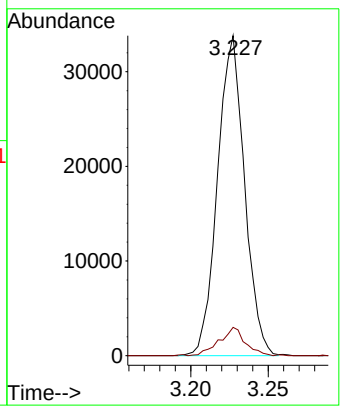


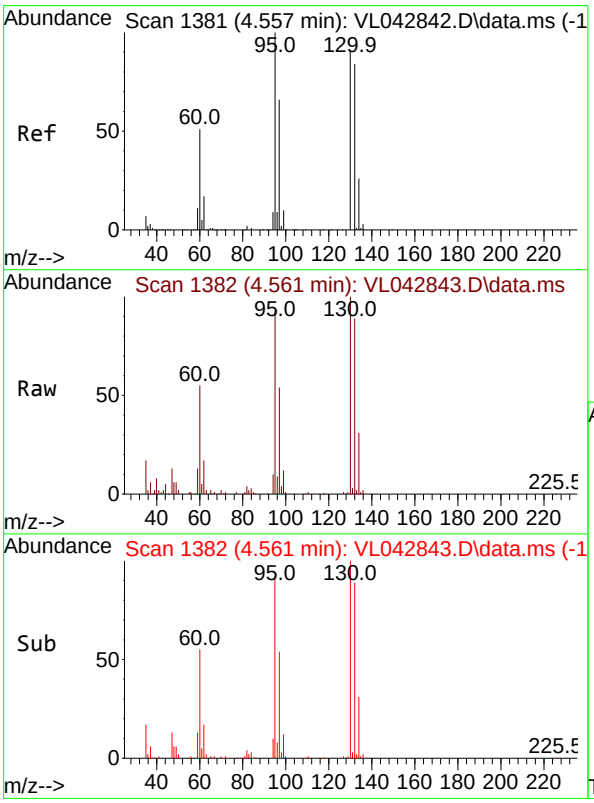
#37
1,2-Dichloroethane
Concen: 2.010 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 41034

Ion	Ratio	Lower	Upper
62	100		
98	8.6	5.9	8.9

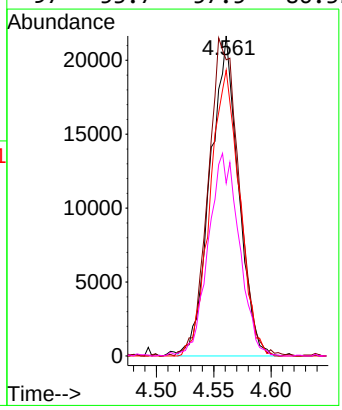


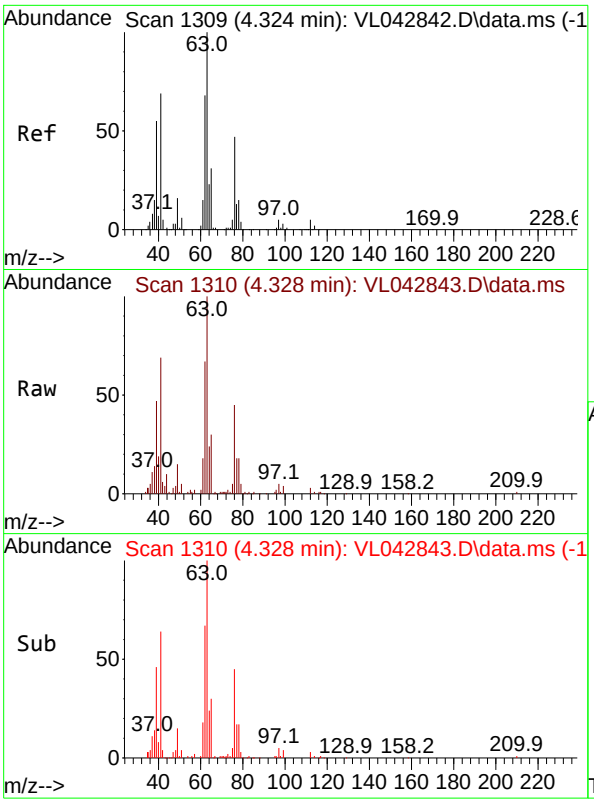


#38
Trichloroethene
Concen: 2.072 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:130 Resp: 36990

Ion	Ratio	Lower	Upper
130	100		
95	91.5	87.6	131.4
132	89.3	73.8	110.8
97	53.7	57.5	86.3#



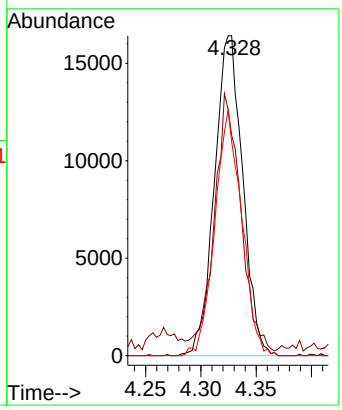


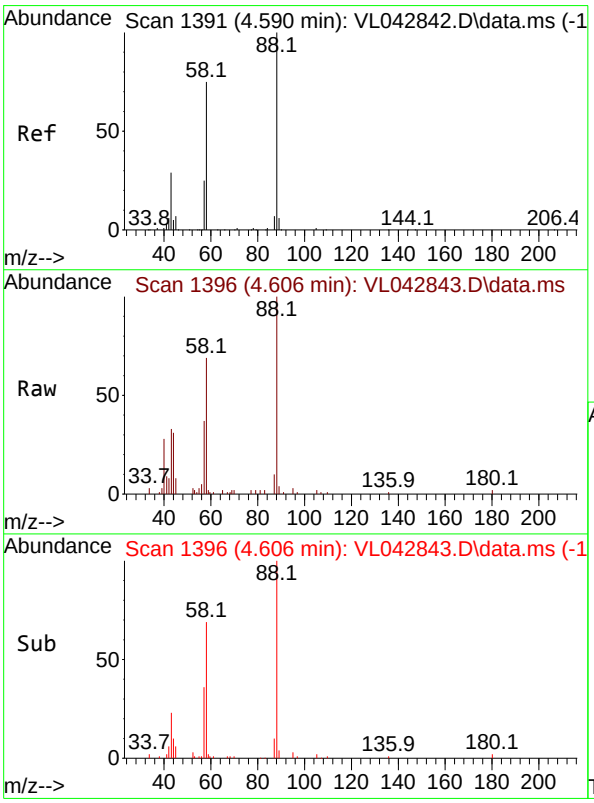
#39
1,2-Dichloropropane
Concen: 2.036 ppbv
RT: 4.328 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 29059

Ion	Ratio	Lower	Upper
63	100		
41	66.8	55.0	82.4
62	66.9	54.4	81.6

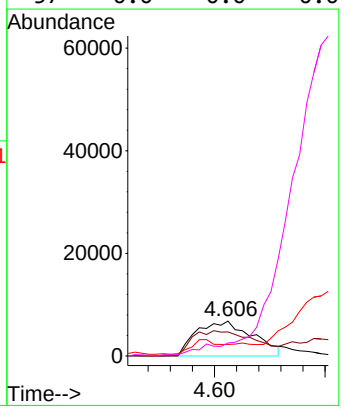


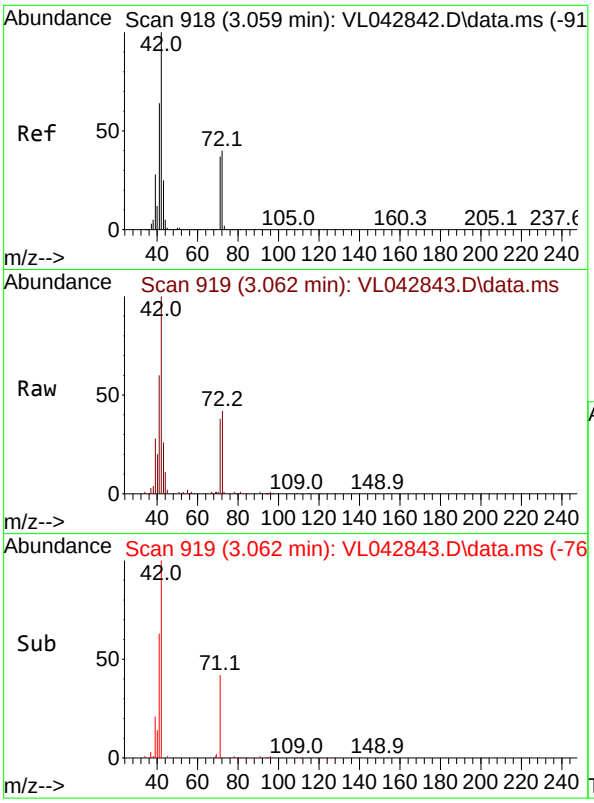


#40
1,4-Dioxane
Concen: 1.788 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.016 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 88 Resp: 11947

Ion	Ratio	Lower	Upper
88	100		
58	78.4	53.8	80.6
43	0.0	22.8	34.2#
57	0.0	0.0	0.0



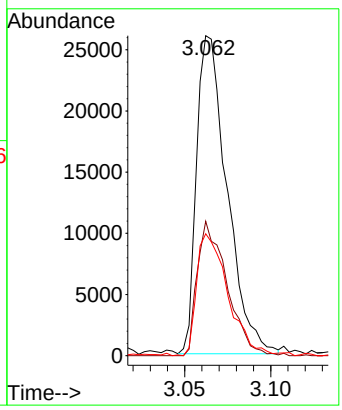


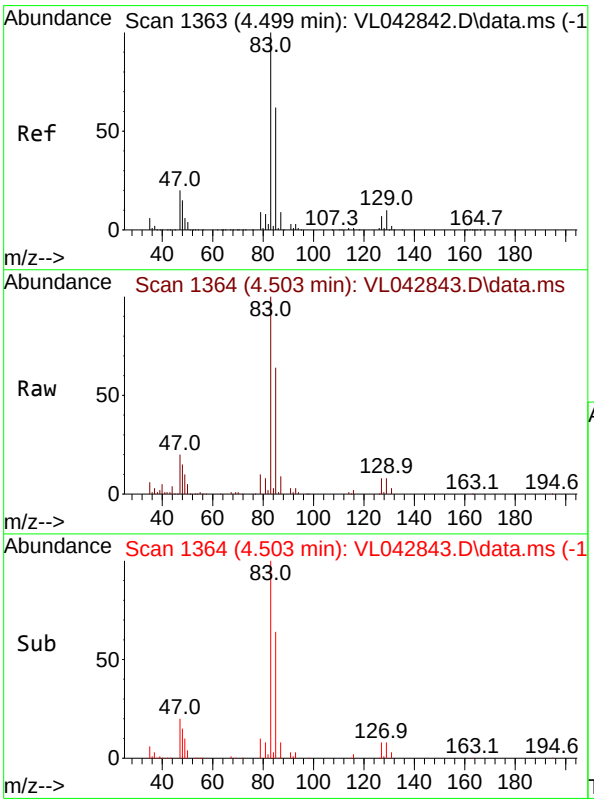
#41
Tetrahydrofuran
Concen: 2.082 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 31994

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.6	48.8
71	40.1	30.0	45.0

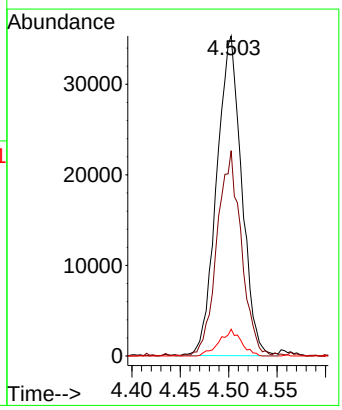


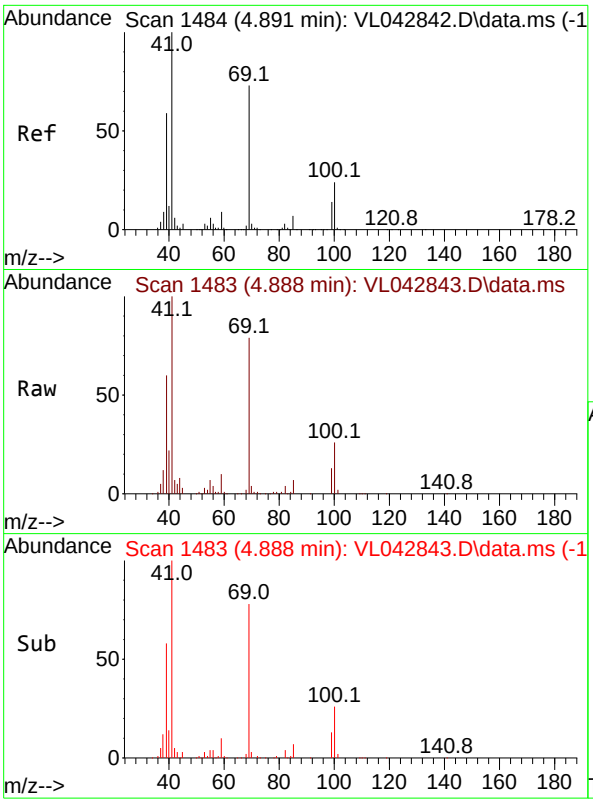


#42
Bromodichloromethane
Concen: 2.085 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 83 Resp: 63436

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.8	74.8
127	8.4	5.8	8.6



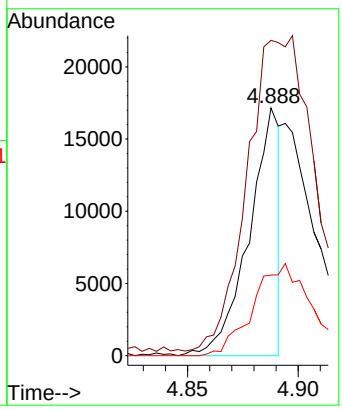


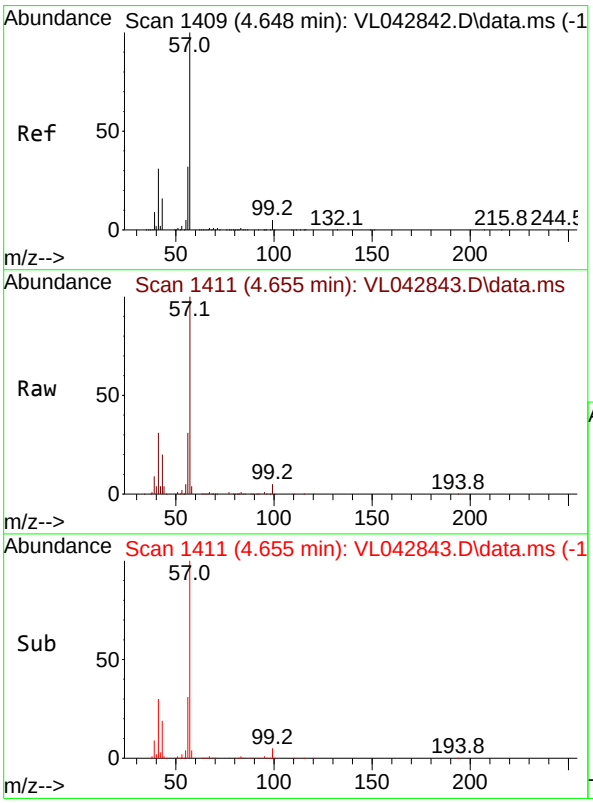
#43
Methyl Methacrylate
Concen: 1.030 ppbv
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 16511

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.6	172.0#
100	0.0	30.2	45.4#

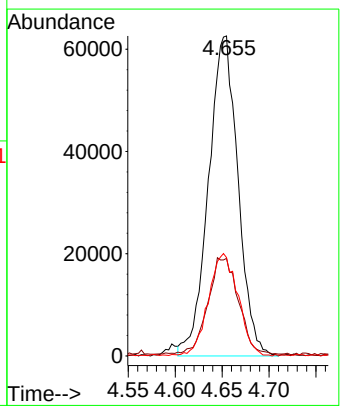


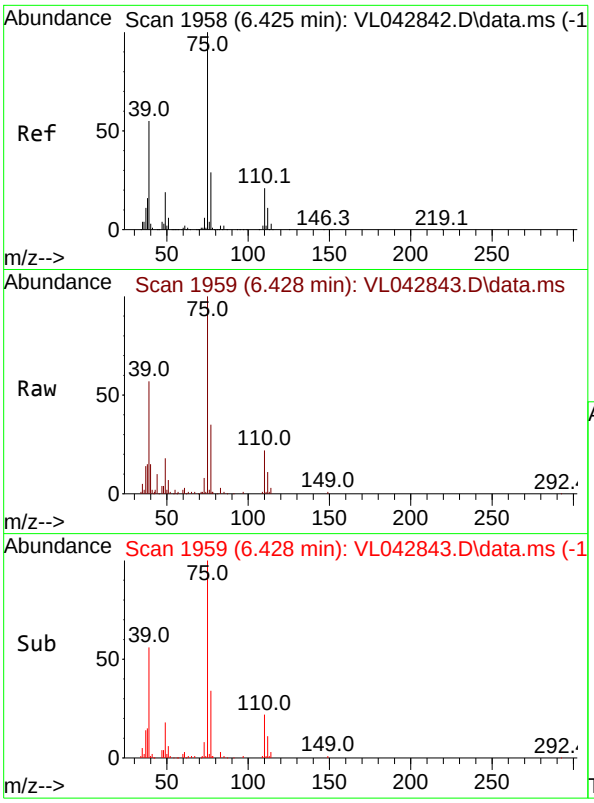


#44
2,2,4-Trimethylpentane
Concen: 2.085 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 57 Resp: 136794

Ion	Ratio	Lower	Upper
57	100		
41	32.5	24.8	37.2
56	32.6	25.5	38.3



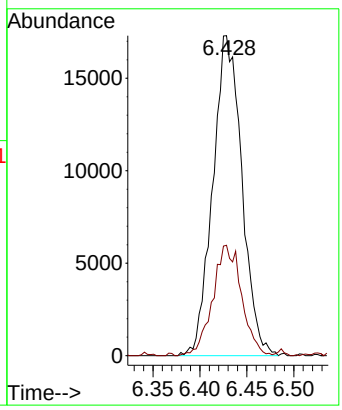


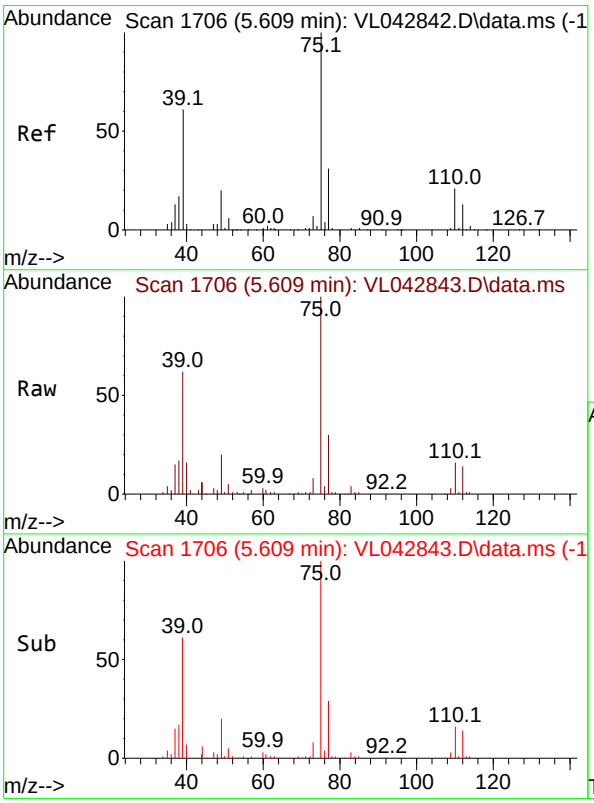
#45
t-1,3-Dichloropropene
Concen: 2.048 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 37248

Ion	Ratio	Lower	Upper
75	100		
77	35.2	23.8	35.6

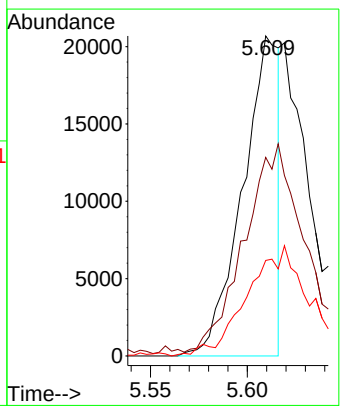


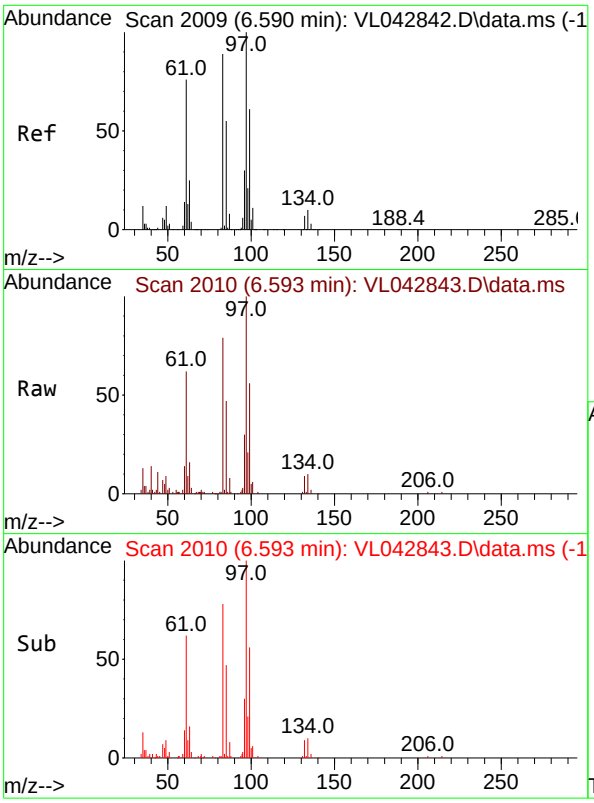


#46
cis-1,3-Dichloropropene
Concen: 1.180 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 75 Resp: 26940

Ion	Ratio	Lower	Upper
75	100		
39	60.0	48.9	73.3
77	29.4	24.9	37.3



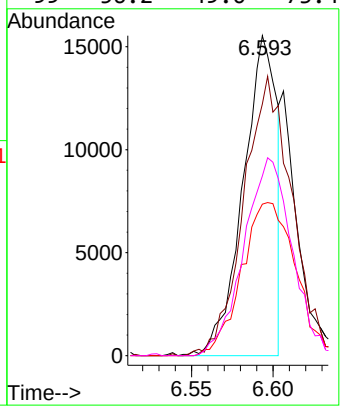


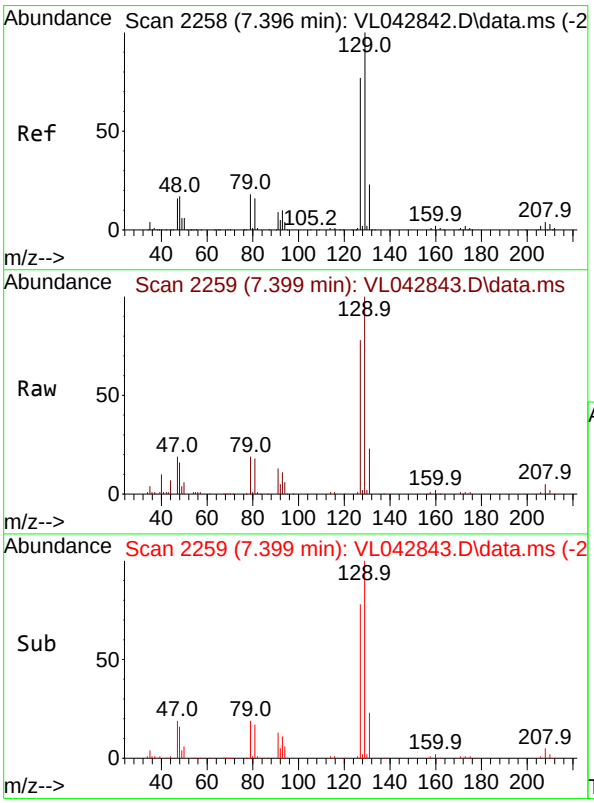
#47
1,1,2-Trichloroethane
Concen: 1.466 ppbv
RT: 6.593 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 22158

Ion	Ratio	Lower	Upper
97	100		
83	78.7	71.0	106.4
85	47.3	43.6	65.4
99	56.2	49.0	73.4

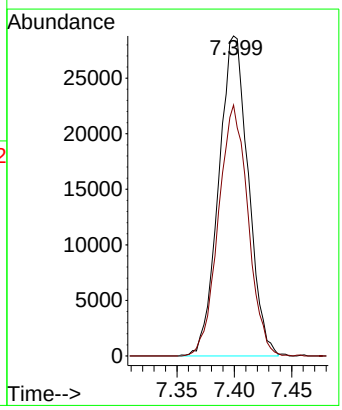


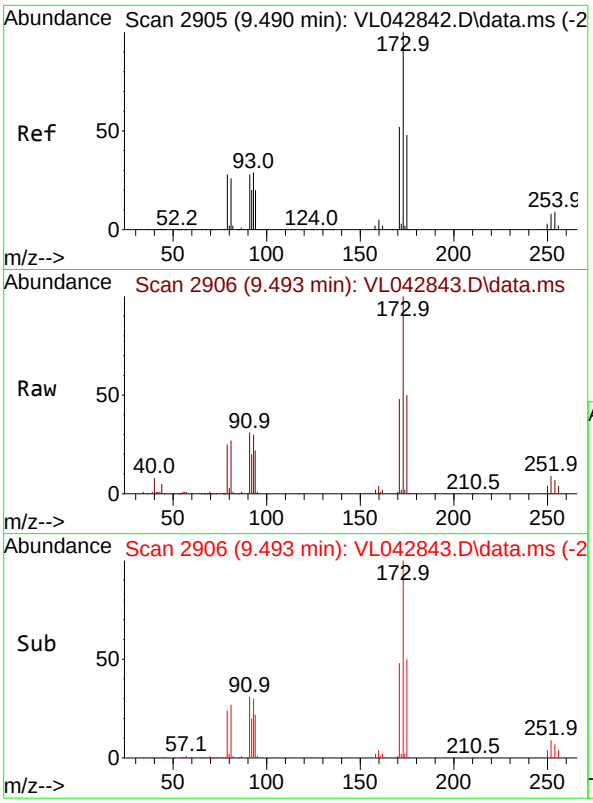


#48
Dibromochloromethane
Concen: 2.109 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:129 Resp: 51620

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2



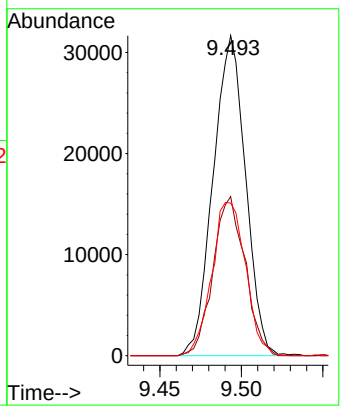


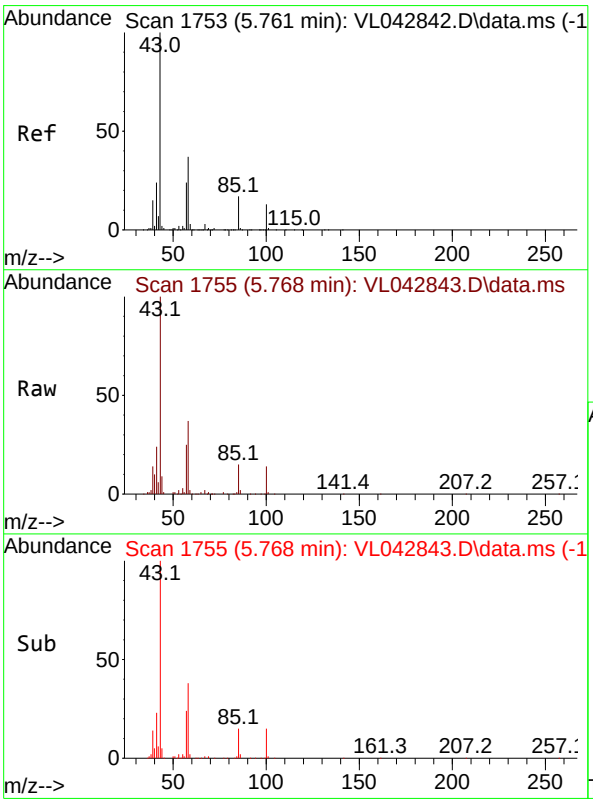
#49
Bromoform
Concen: 2.163 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 43662

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.2	58.8
171	50.0	41.3	61.9

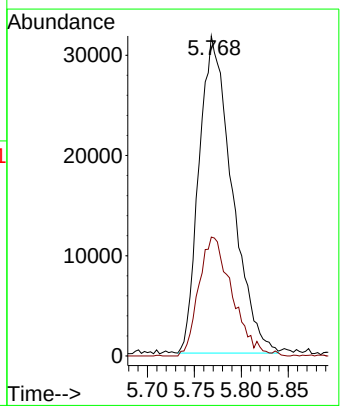


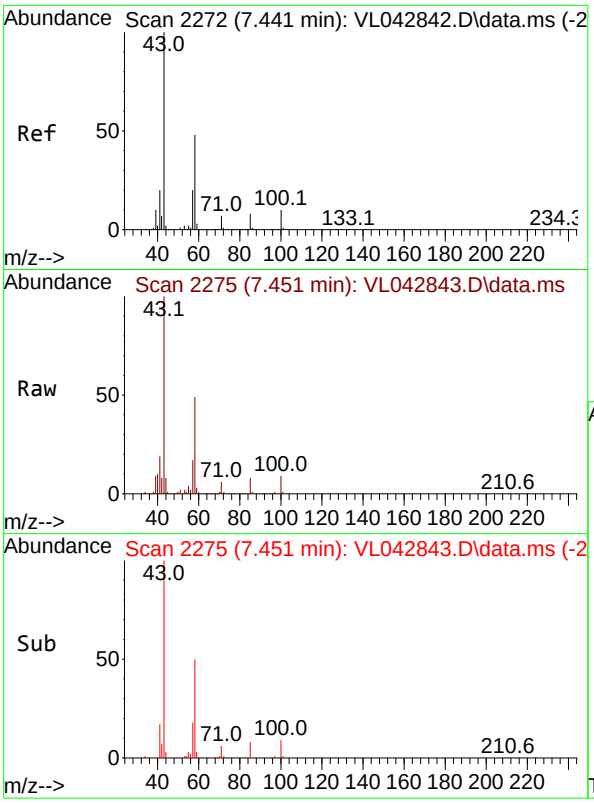


#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 43 Resp: 77225

Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.8	44.8



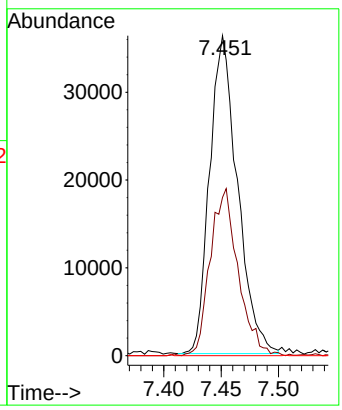


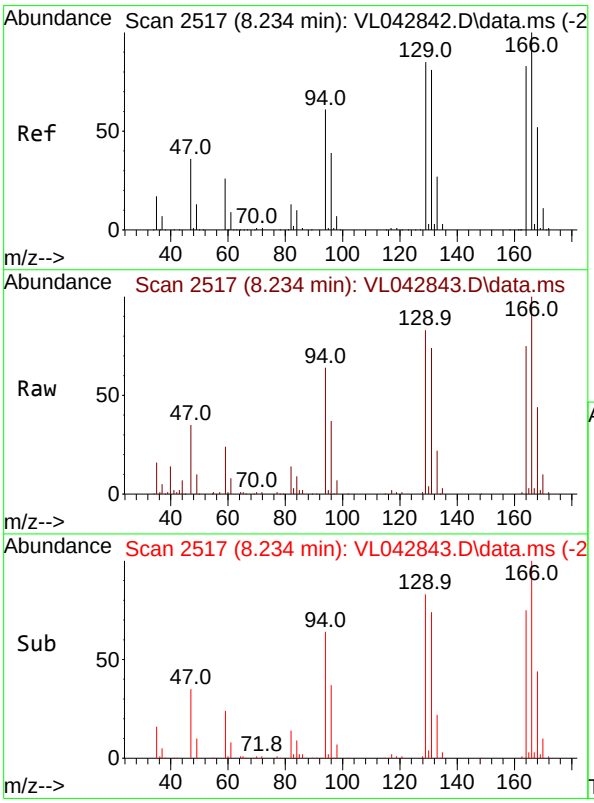
#51
2-Hexanone
Concen: 2.088 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 61210

Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.0	61.6
98	0.0	0.1	0.1#

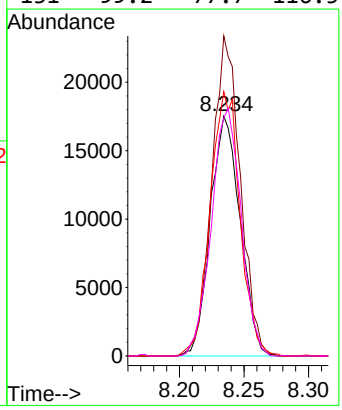


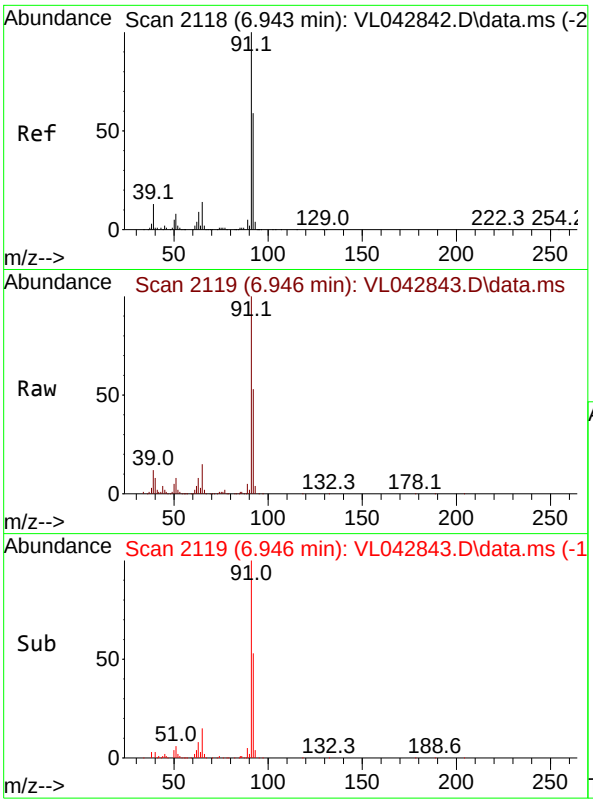


#52
Tetrachloroethene
Concen: 1.990 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:164 Resp: 28166

Ion	Ratio	Lower	Upper
164	100		
166	133.5	96.5	144.7
129	110.3	81.8	122.6
131	99.2	77.7	116.5



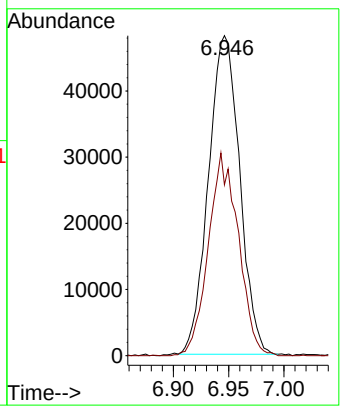


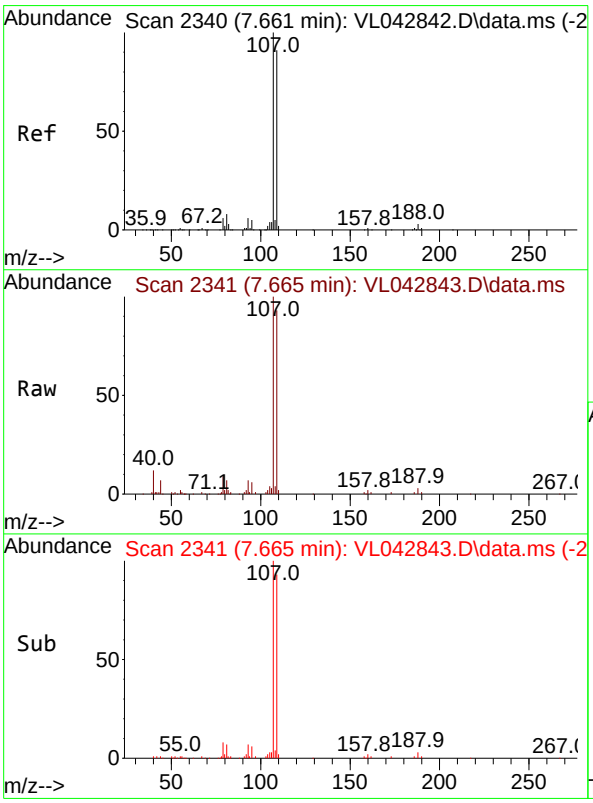
#53
Toluene
Concen: 2.036 ppbv
RT: 6.946 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 94690

Ion	Ratio	Lower	Upper
91	100		
92	61.1	47.8	71.6

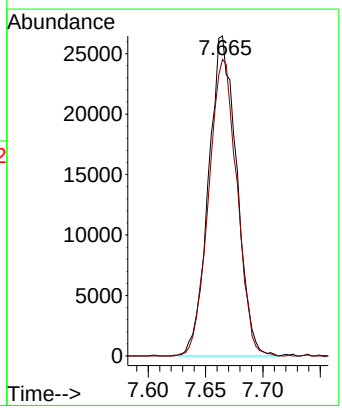


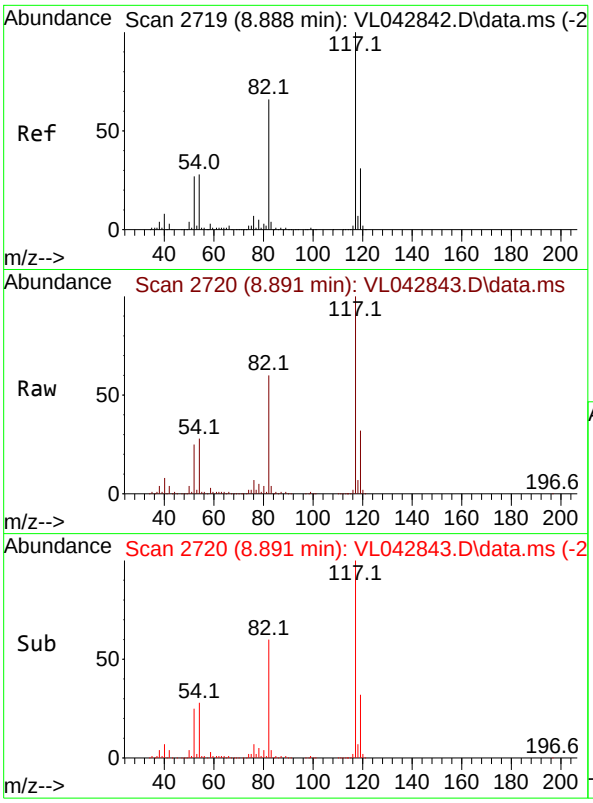


#54
1,2-Dibromoethane
Concen: 2.039 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:107 Resp: 45071

Ion	Ratio	Lower	Upper
107	100		
109	92.7	72.5	108.7



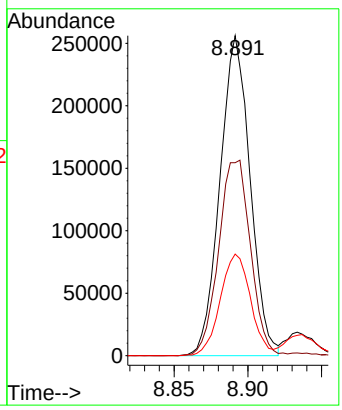


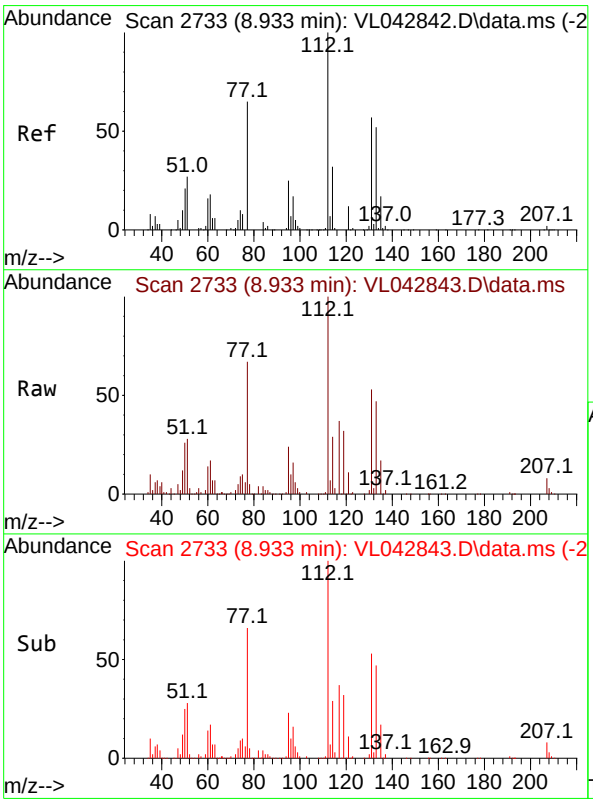
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 363830

Ion	Ratio	Lower	Upper
117	100		
82	65.4	54.6	81.8
119	32.8	25.9	38.9

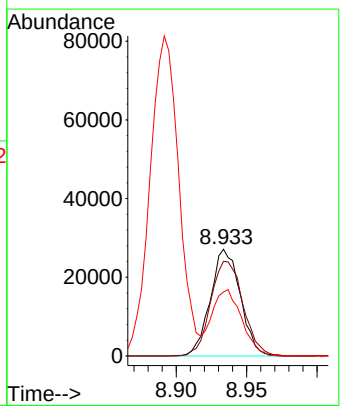


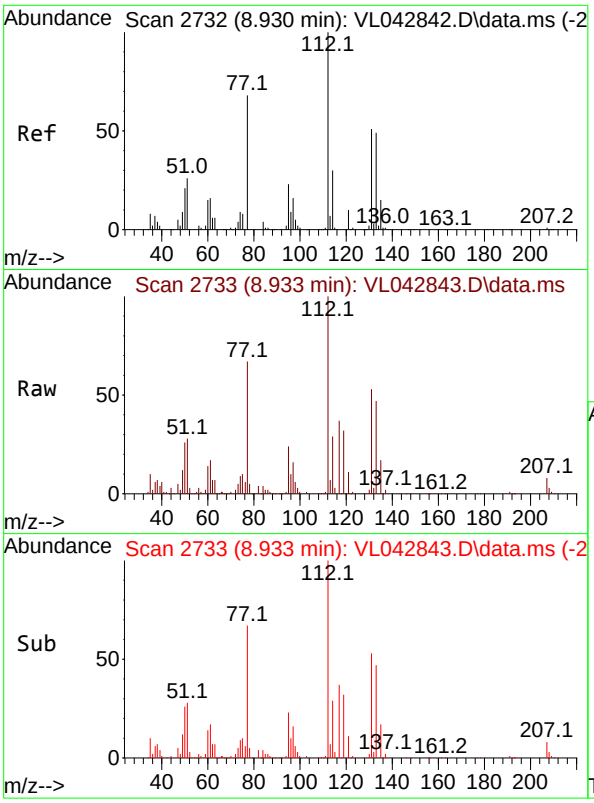


#56
1,1,1,2-Tetrachloroethane
Concen: 2.131 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:131 Resp: 40090

Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.4	116.0
119	59.3	51.2	76.8



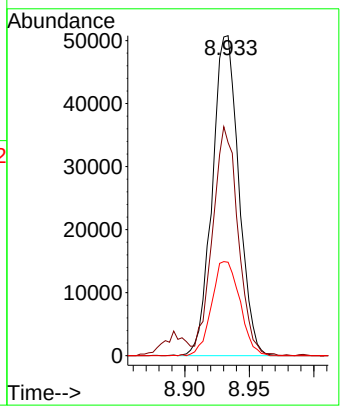


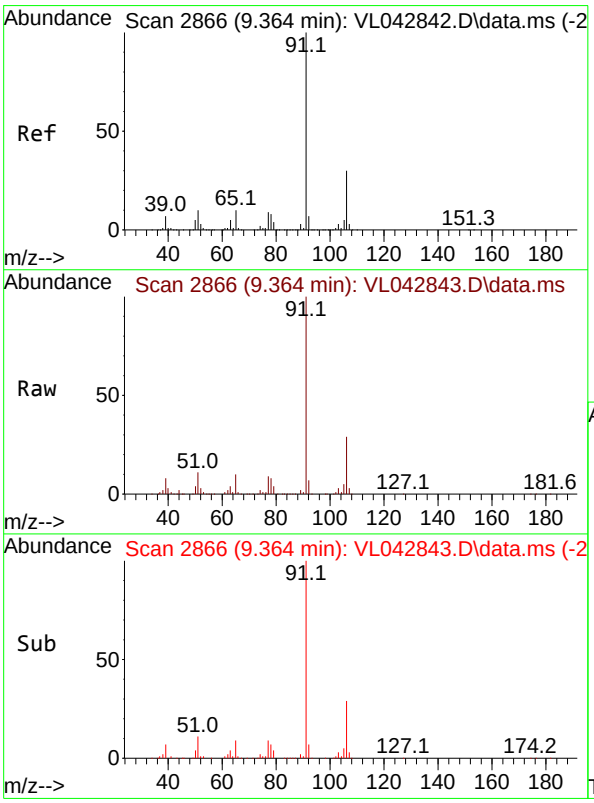
#57
Chlorobenzene
Concen: 2.090 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 72296

Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.5	83.3
114	29.2	27.2	33.2

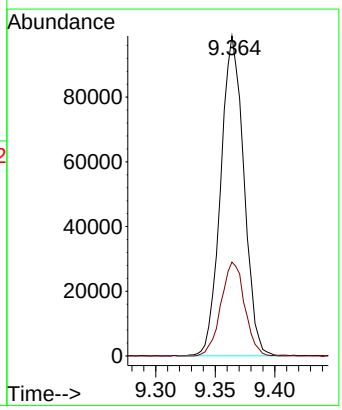


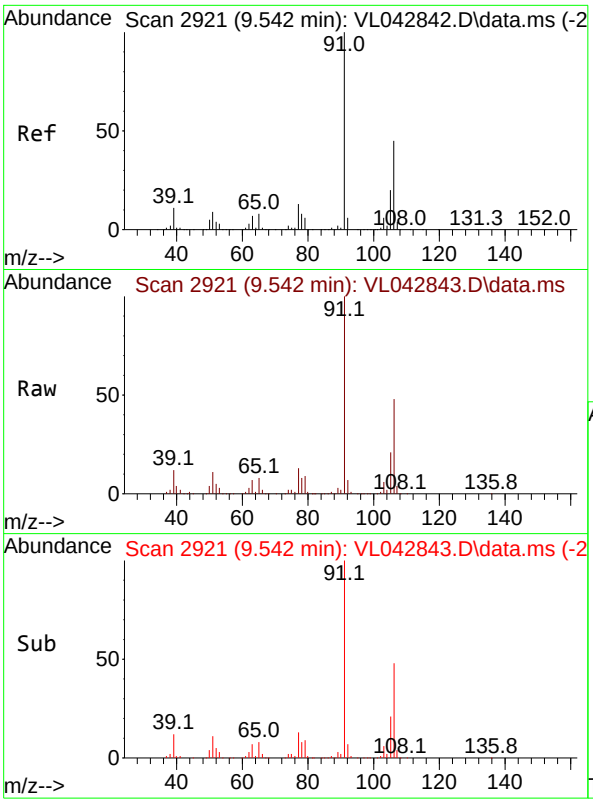


#58
Ethyl Benzene
Concen: 2.083 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 133719

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.9	35.9



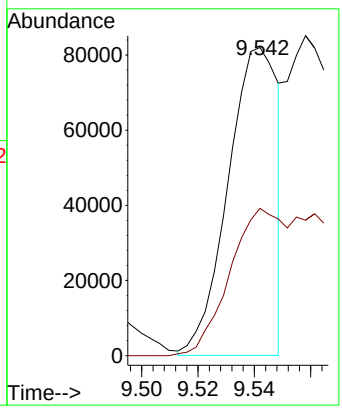


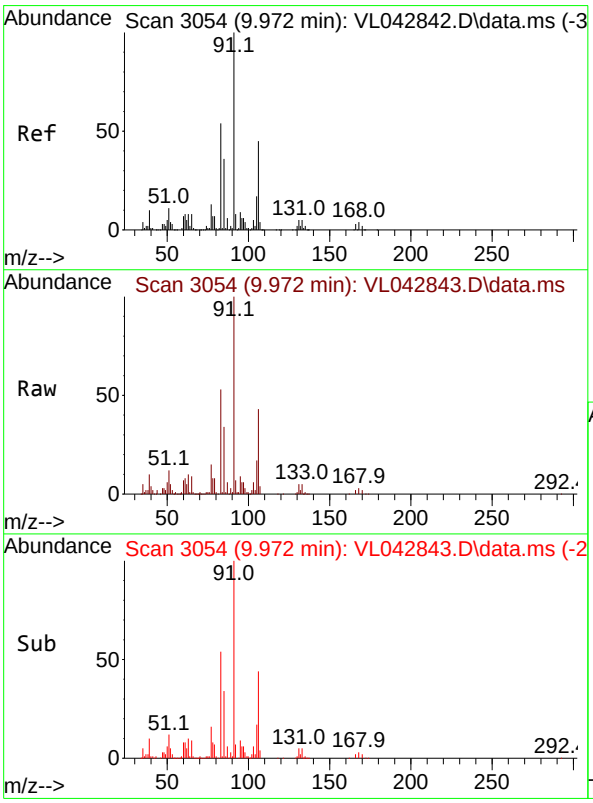
#59
m/p-Xylene
Concen: 1.998 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 100699

Ion	Ratio	Lower	Upper
91	100		
106	97.0	0.0	0.0#

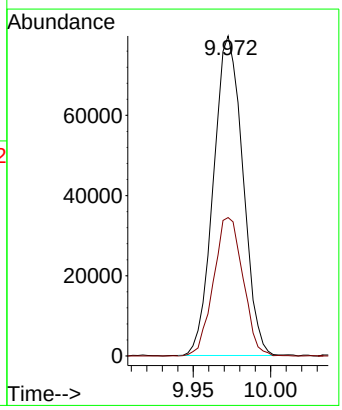


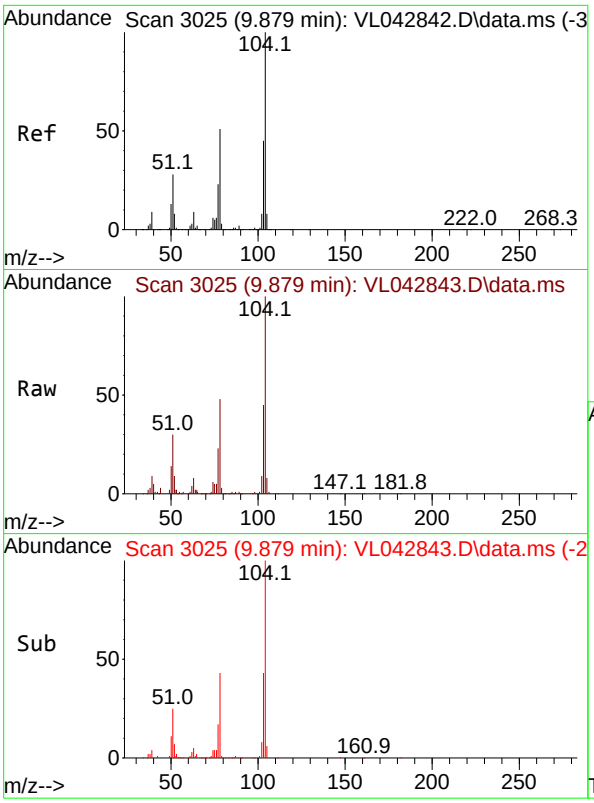


#60
o-Xylene
Concen: 2.077 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 105125

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.8	65.4



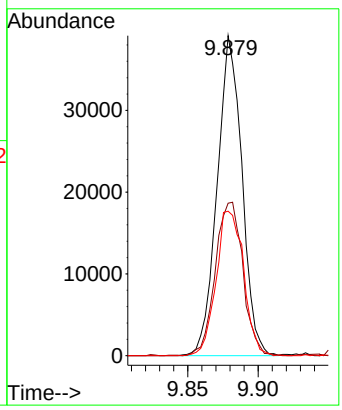


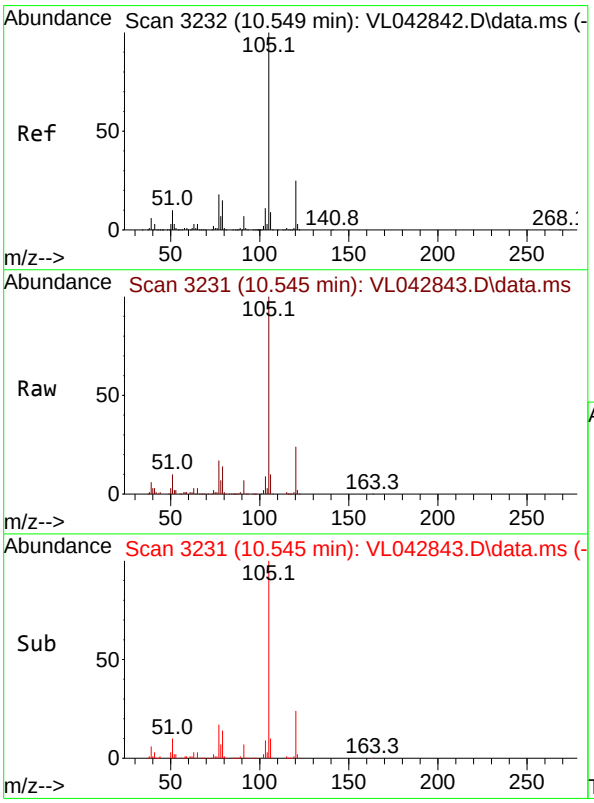
#61
Styrene
Concen: 2.025 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 48027

Ion	Ratio	Lower	Upper
104	100		
78	53.4	40.6	61.0
103	50.1	37.7	56.5

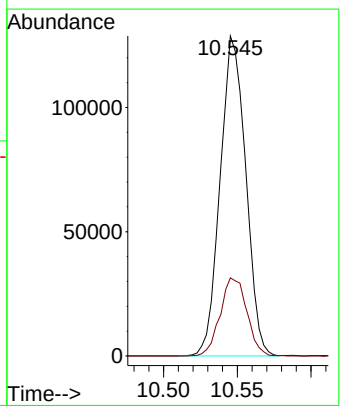


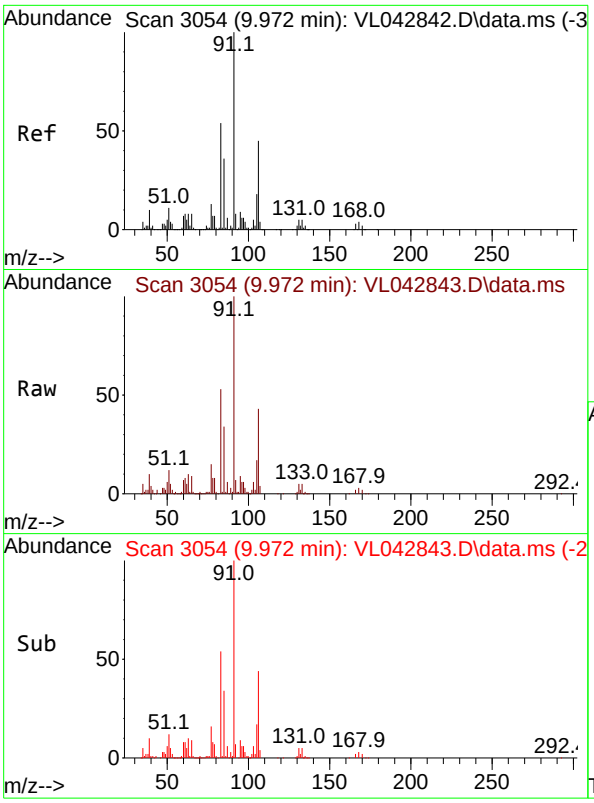


#62
Isopropylbenzene
Concen: 2.098 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 155223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	30.8



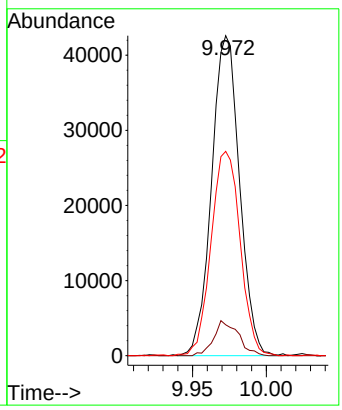


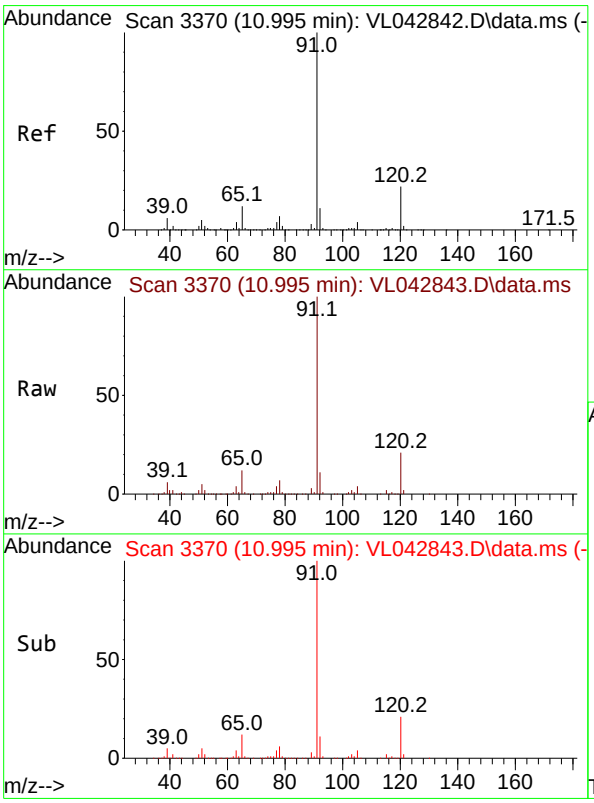
#63
1,1,2,2-Tetrachloroethane
Concen: 2.031 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 56139

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	66.5	32.3	96.8

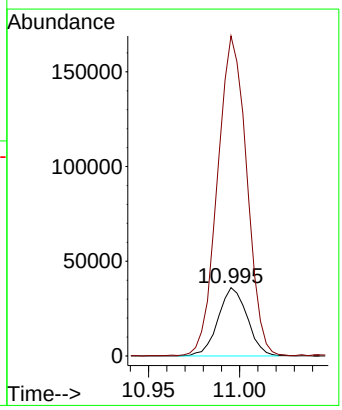


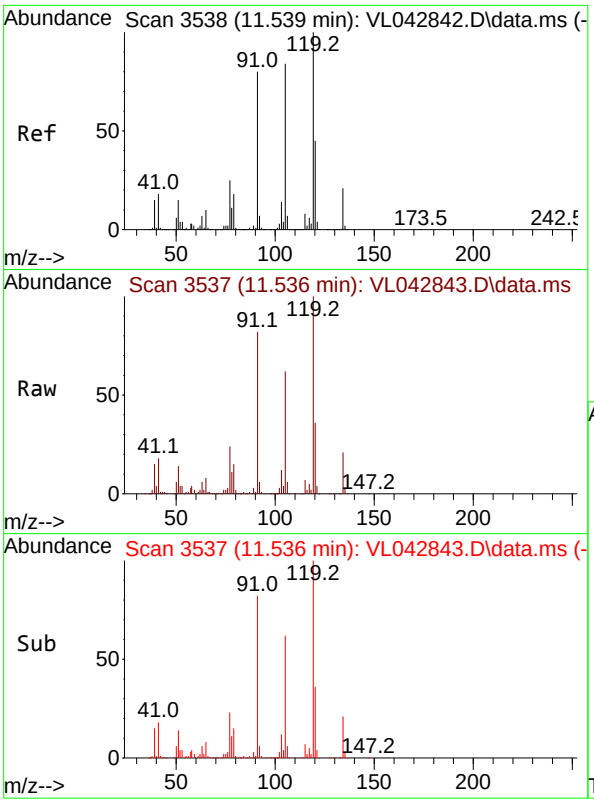


#64
n-propylbenzene
Concen: 2.115 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:120 Resp: 39922

Ion	Ratio	Lower	Upper
120	100		
91	476.7	375.8	563.6



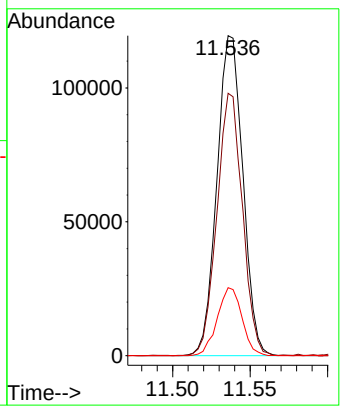


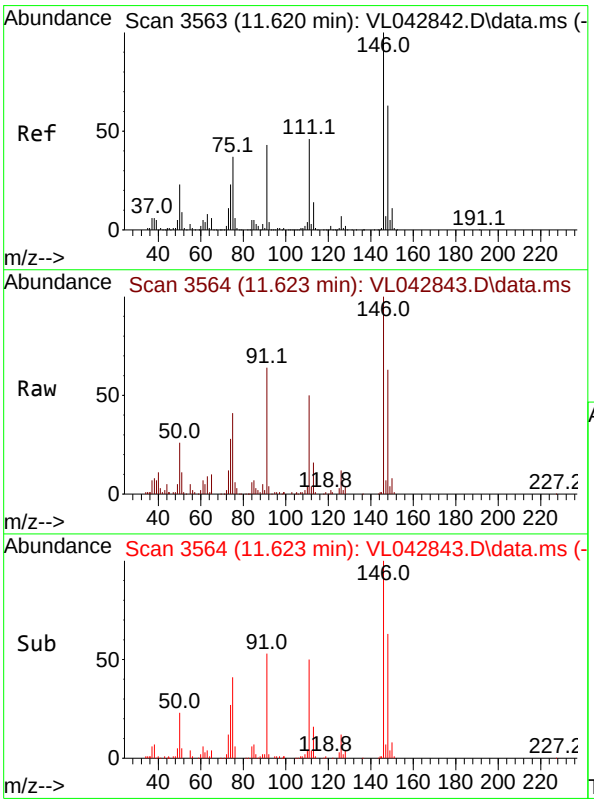
#65
tert-Butylbenzene
Concen: 2.132 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 139019

Ion	Ratio	Lower	Upper
119	100		
91	80.9	63.9	95.9
134	20.3	17.0	25.4

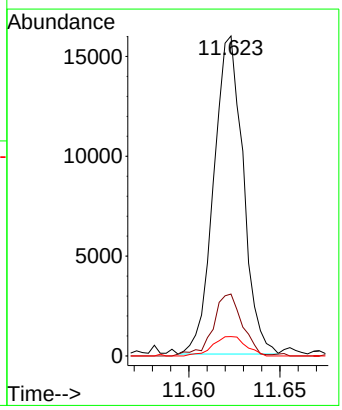


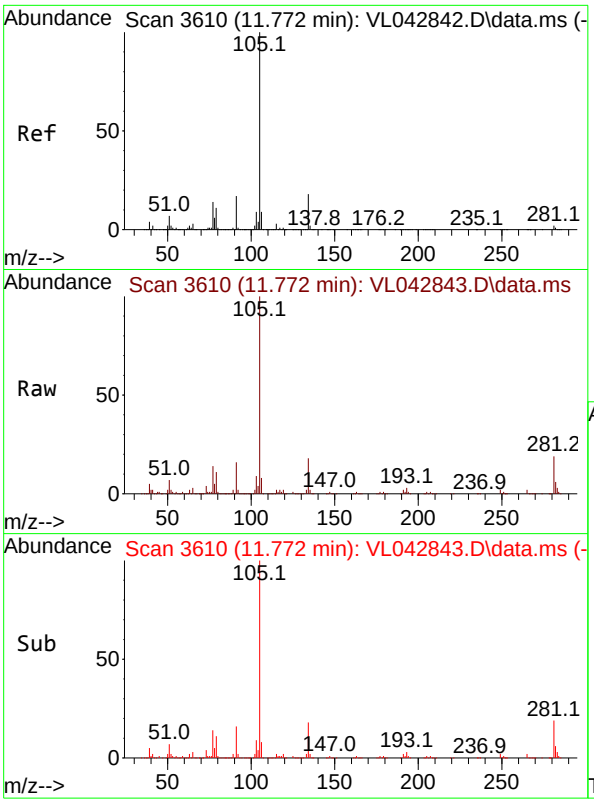


#66
Benzyl Chloride
Concen: 2.161 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 17893

Ion	Ratio	Lower	Upper
91	100		
126	19.5	14.2	21.4
128	6.9	5.0	7.6



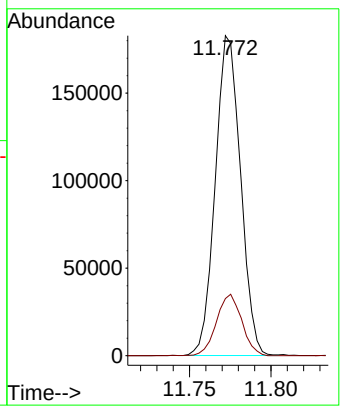


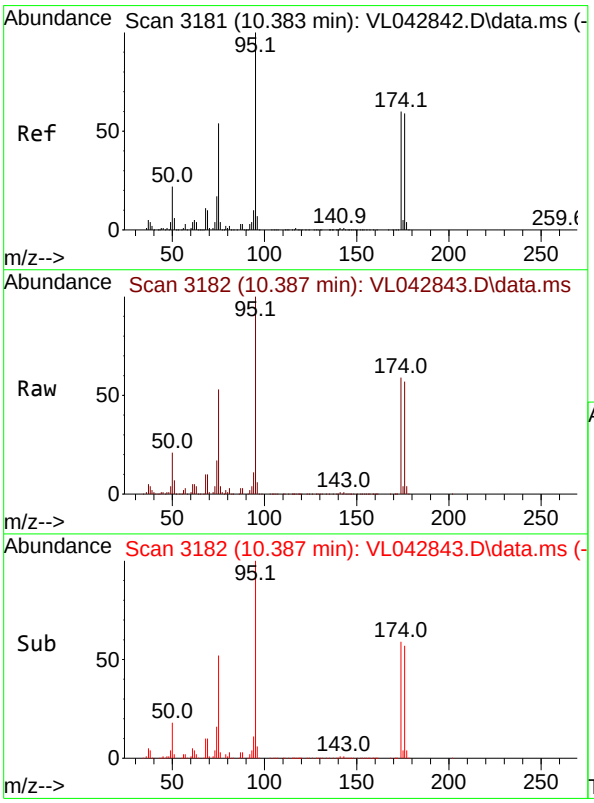
#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 196899

Ion	Ratio	Lower	Upper
105	100		
134	19.3	14.9	22.3

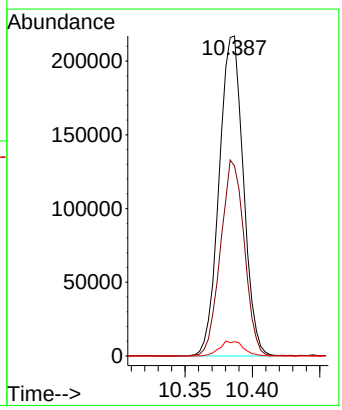


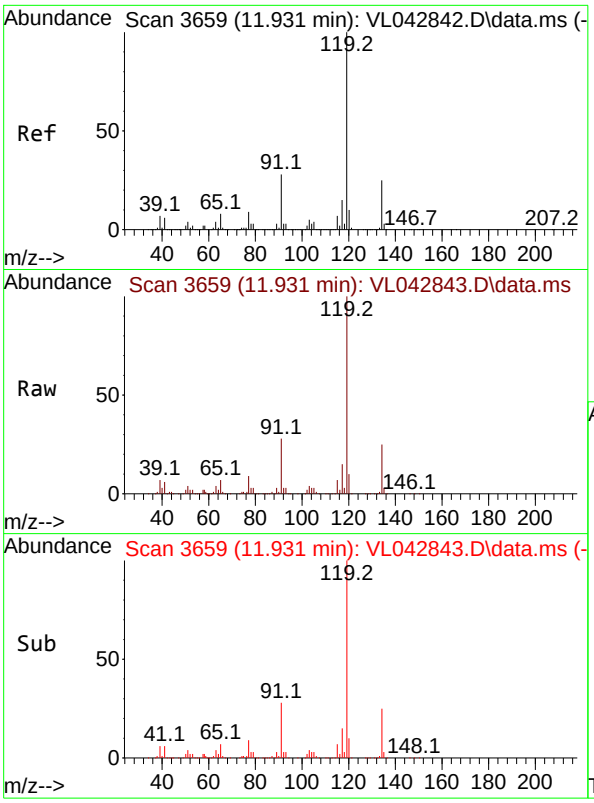


#68
1-Bromo-4-Fluorobenzene
Concen: 9.923 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 95 Resp: 270774

Ion	Ratio	Lower	Upper
95	100		
174	60.2	48.4	72.6
175	4.6	3.8	5.8



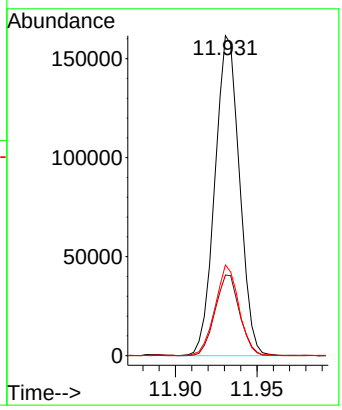


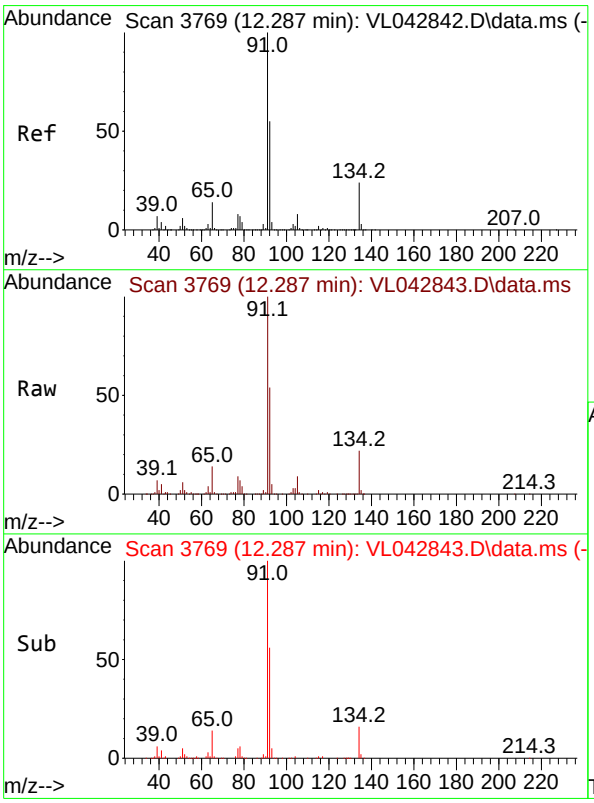
#69
p-Isopropyltoluene
Concen: 2.156 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 169429

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	27.4	22.6	34.0

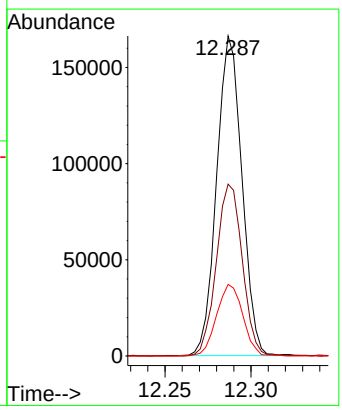


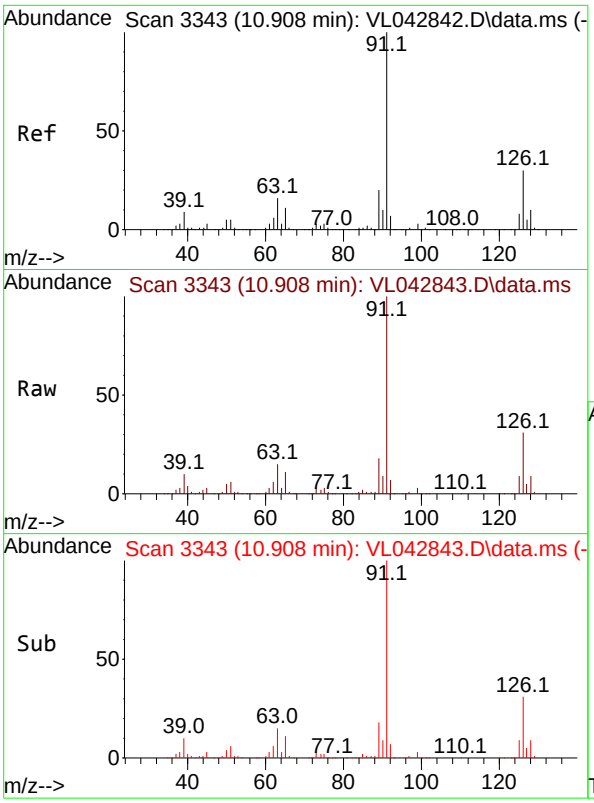


#70
n-Butylbenzene
Concen: 2.178 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion: 91 Resp: 169768

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.6	66.8
134	23.3	19.0	28.4



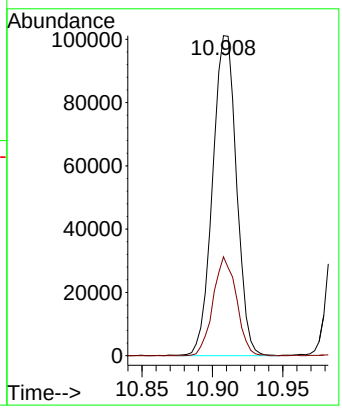


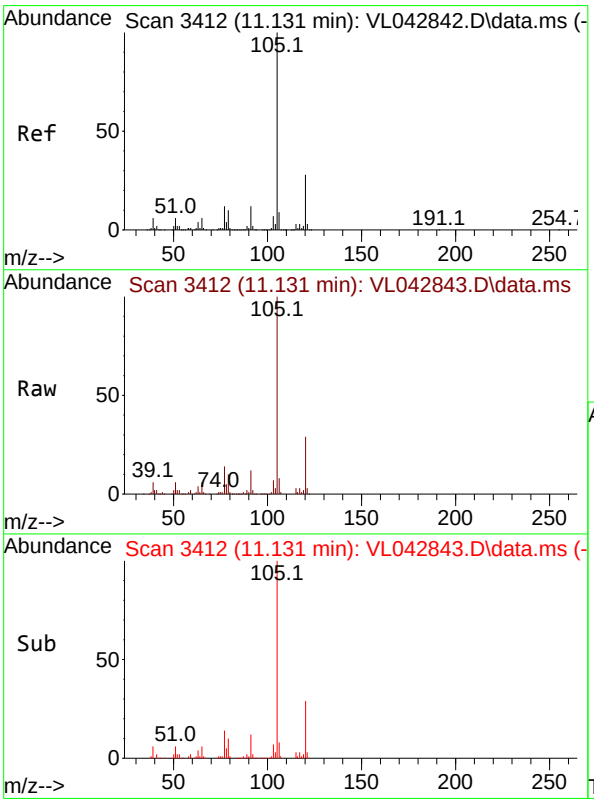
#71
2-Chlorotoluene
Concen: 2.078 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 119382

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8

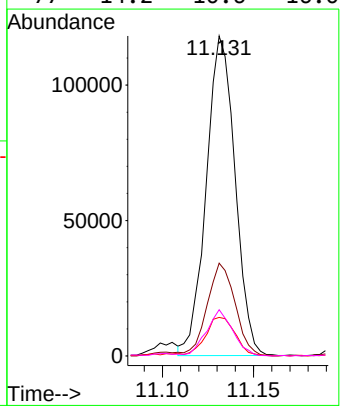


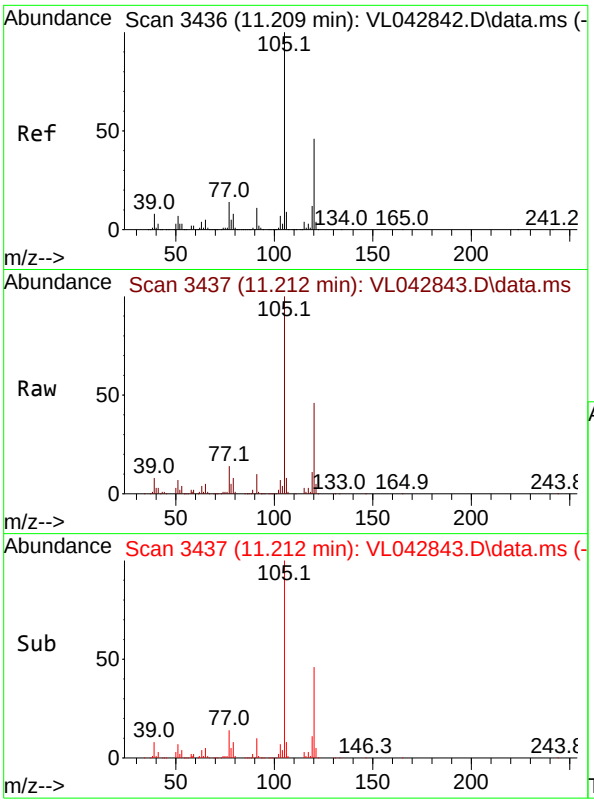


#72
4-Ethyltoluene
Concen: 2.115 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 129786

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.4	35.2
91	13.3	9.8	14.6
77	14.2	10.6	16.0



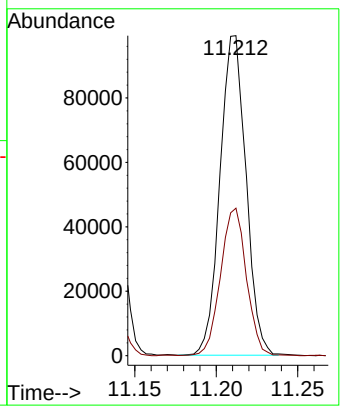


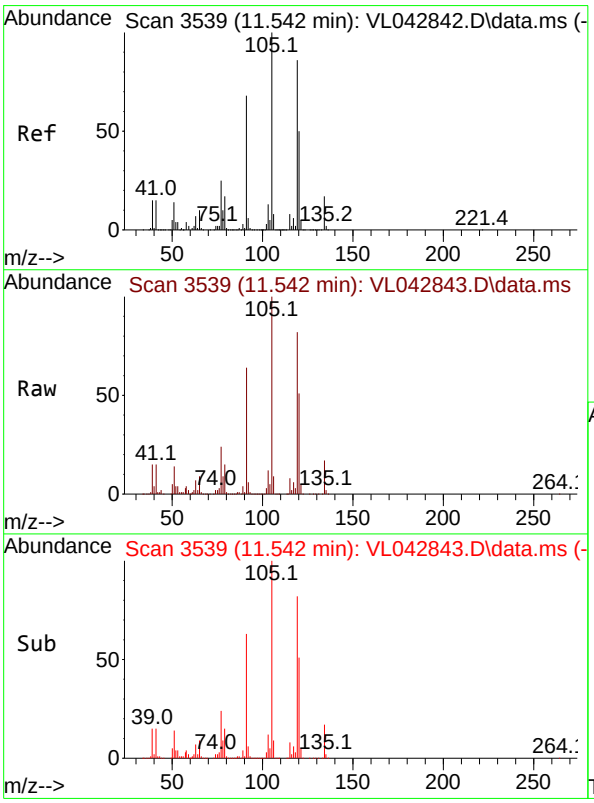
#73
1,3,5-Trimethylbenzene
Concen: 2.109 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 110043

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.6	54.8

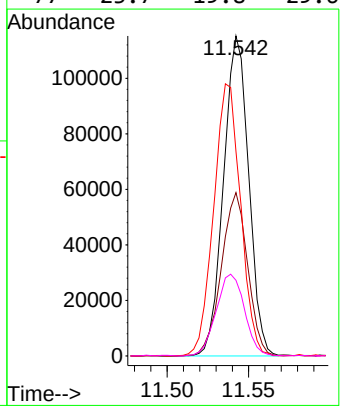


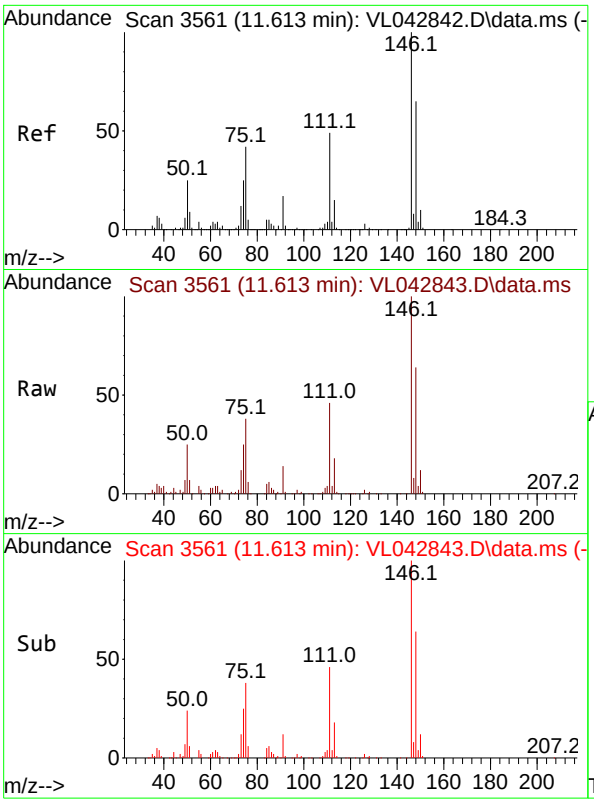


#74
1,2,4-Trimethylbenzene
Concen: 2.157 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:105 Resp: 123554

Ion	Ratio	Lower	Upper
105	100		
120	51.0	39.8	59.6
91	63.9	54.2	81.4
77	23.7	19.8	29.6



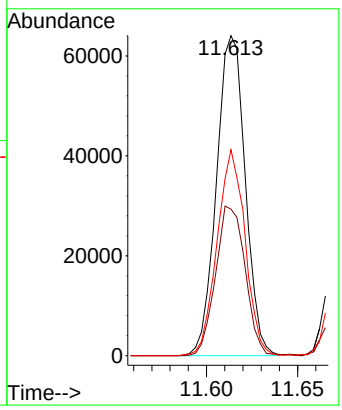


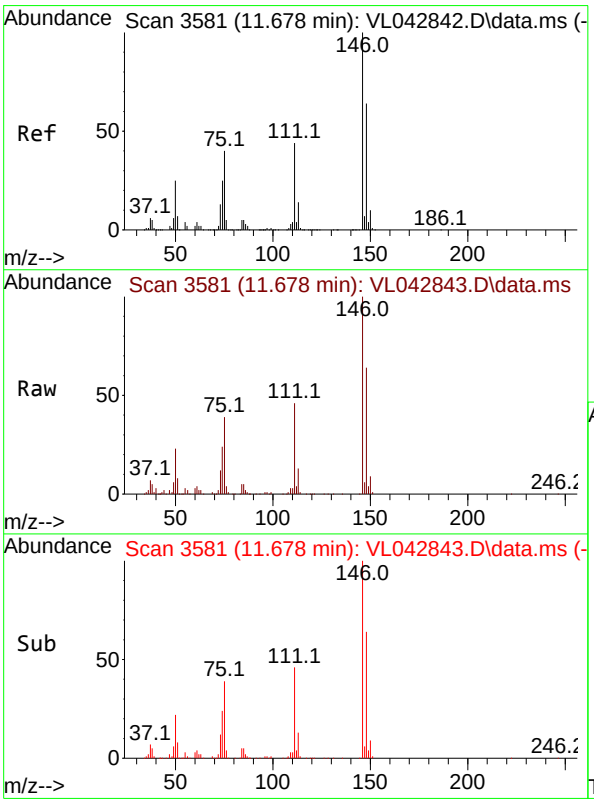
#75
1,3-Dichlorobenzene
Concen: 2.160 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 70330

Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	62.5	31.4	94.0

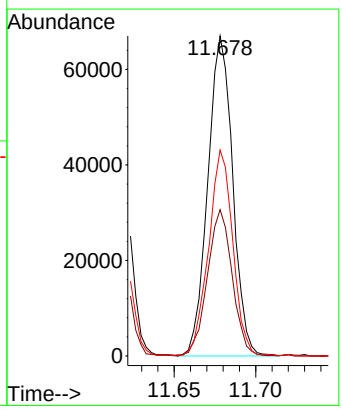


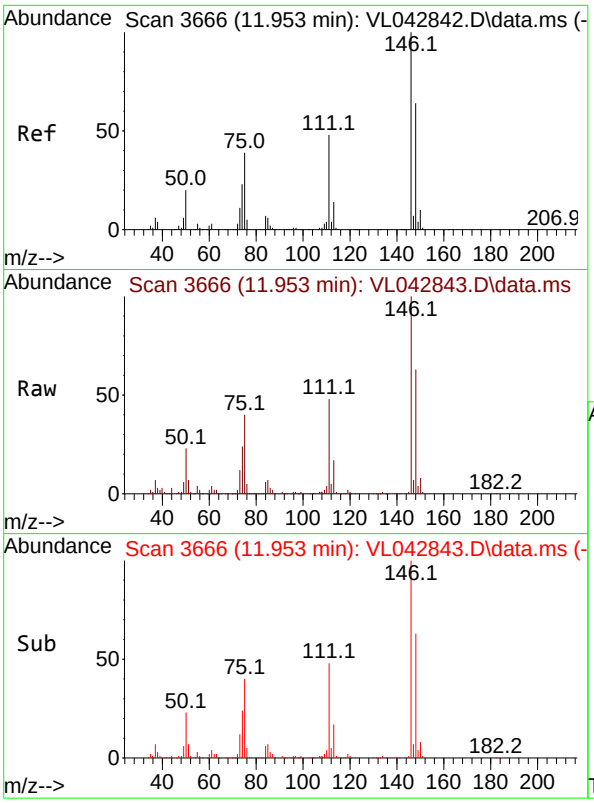


#76
1,4-Dichlorobenzene
Concen: 2.161 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:146 Resp: 71160

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.1
148	62.9	31.8	95.3



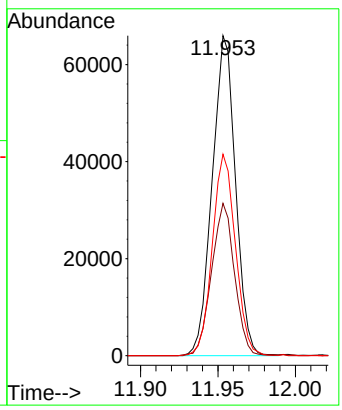


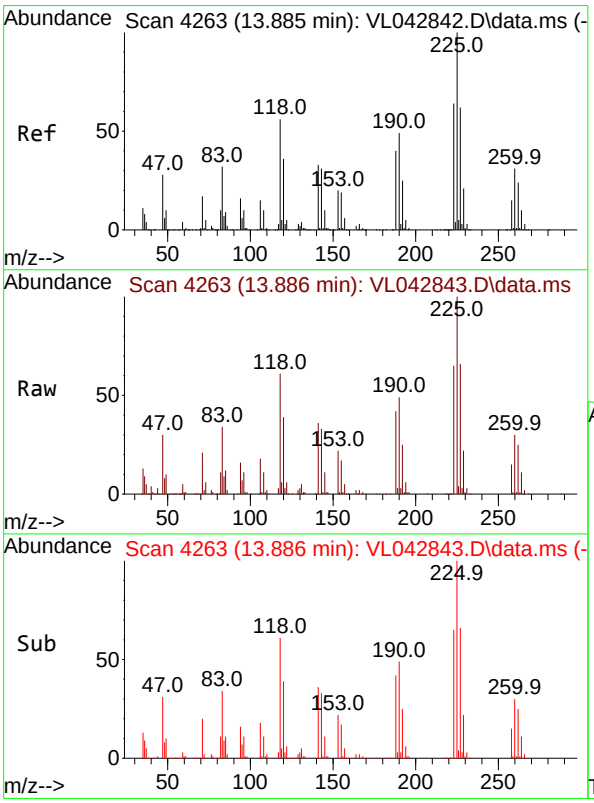
#77
1,2-Dichlorobenzene
Concen: 2.162 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 68944

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.6	74.0
148	62.5	32.0	96.0

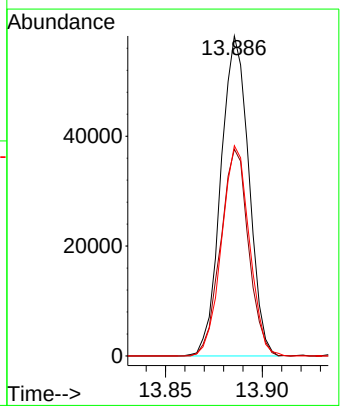


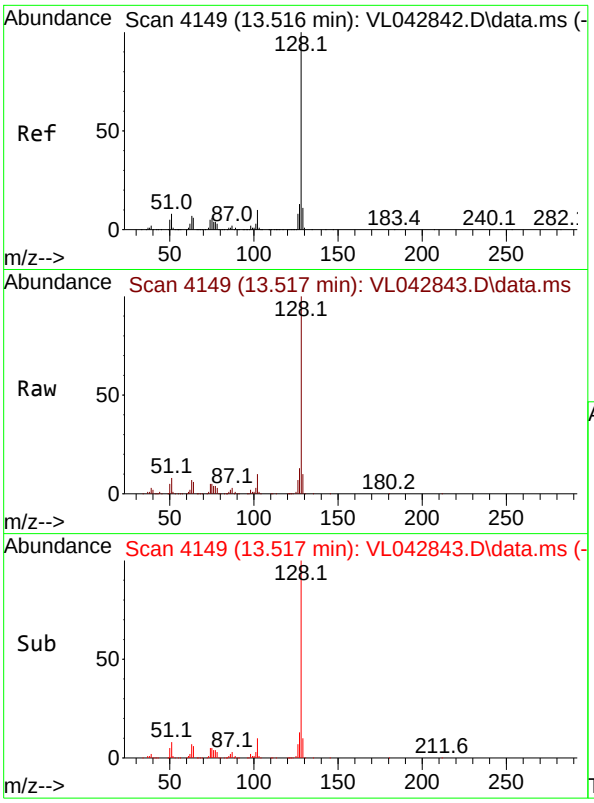


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:225 Resp: 58509

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.2
227	65.2	51.9	77.9



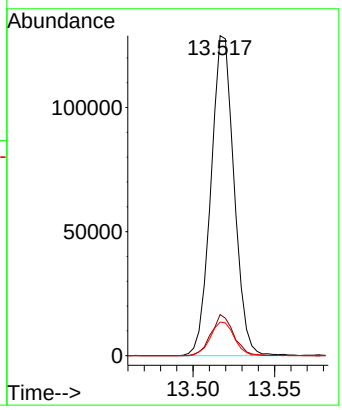


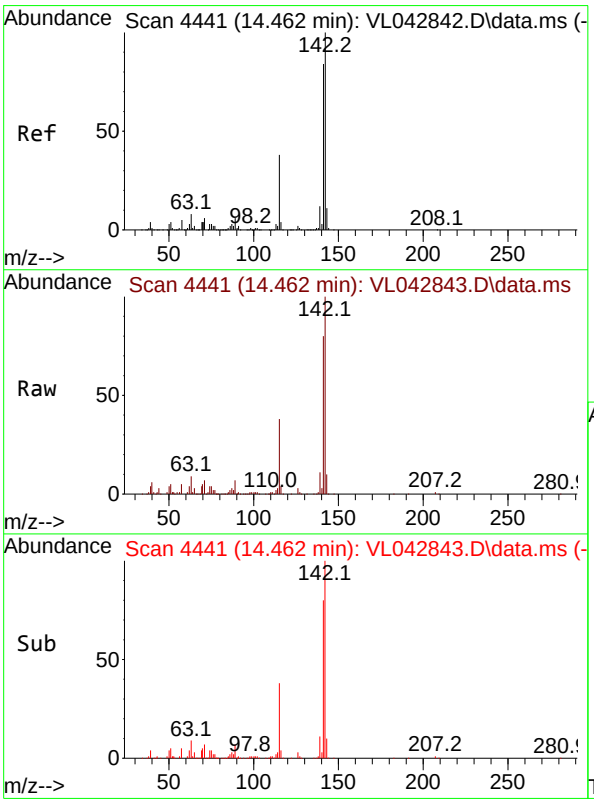
#79
Naphthalene
Concen: 2.478 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 127025

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.5	8.9	13.3

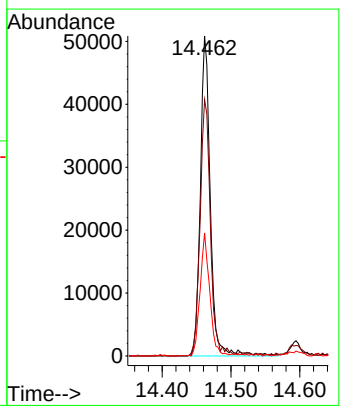


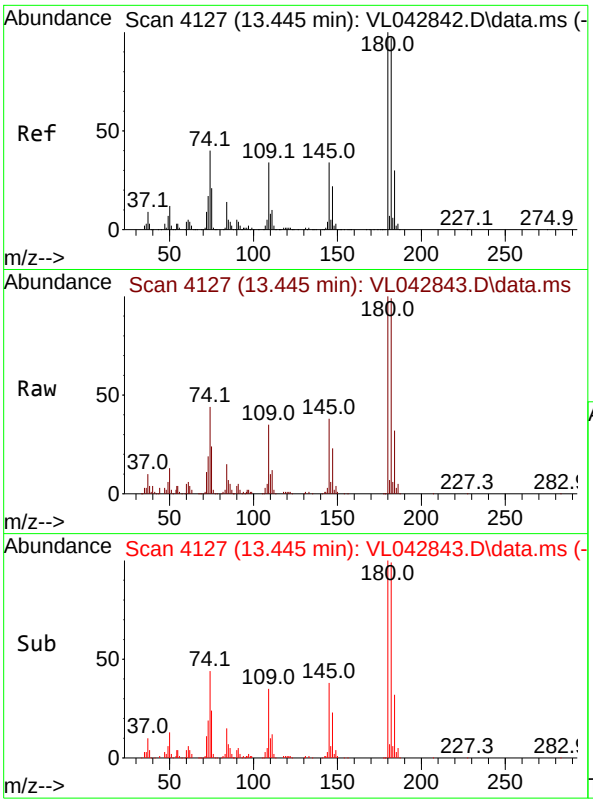


#80
Naphthalene,2-methyl-
Concen: 2.670 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Tgt Ion:142 Resp: 51541

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	37.8	30.9	46.3



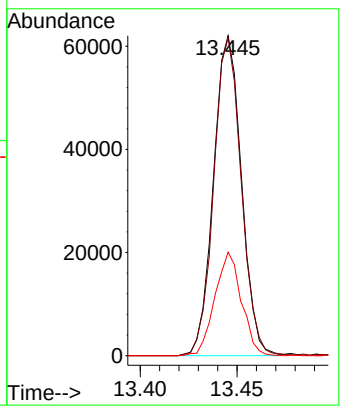


#81
1,2,4-Trichlorobenzene
Concen: 2.384 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042843.D
Acq: 13 Aug 2025 09:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 62216

Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.9	115.3
184	30.8	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.791	49	128542	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	400305	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	349577	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	265708	10.135	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	19603	1.041	ppbv		99
3) Chlorodifluoromethane	1.476	51	20833	0.999	ppbv		93
4) Chloromethane	1.535	50	7948	1.045	ppbv		96
5) Vinyl Chloride	1.583	62	7189	0.960	ppbv		96
6) Bromomethane	1.667	94	3446	1.151	ppbv		84
7) Chloroethane	1.706	64	3089	1.056	ppbv		93
8) Dichlorotetrafluoroethane	1.557	85	15872	1.030	ppbv		100
9) Propene	1.486	41	8897	0.989	ppbv		89
10) Heptane	4.991	43	10068	0.419	ppbv	#	1
11) Trichlorofluoromethane	1.881	101	19701	1.060	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.143	101	15446	1.043	ppbv		97
13) Ethanol	1.722	45	1519	1.705	ppbv		85
14) Bromoethene	1.784	108	5343	0.996	ppbv	#	78
15) Acetone	1.839	43	18961	1.115	ppbv		98
16) 1,3-Butadiene	1.609	39	8133	1.055	ppbv		98
17) tert-Butyl alcohol	2.046	59	21342	1.058	ppbv	#	93
18) 1,1-Dichloroethene	2.040	96	6549	1.006	ppbv		93
19) Isopropyl Alcohol	1.888	45	10893	1.073	ppbv	#	39
20) Methylene Chloride	2.062	84	7661	1.076	ppbv	#	90
21) Allyl Chloride	2.098	41	11598	0.966	ppbv		88
22) trans-1,2-Dichloroethene	2.040	96	6629	0.910	ppbv		84
23) Vinyl Acetate	2.467	43	22270	0.996	ppbv	#	96
24) 1,1-Dichloroethane	2.412	63	15727	1.045	ppbv		98
25) Ethyl Acetate	2.842	43	43007	1.045	ppbv		98
26) Hexane	2.829	57	19944	1.050	ppbv		92
27) Carbon Disulfide	2.153	76	19450	1.052	ppbv	#	2
28) Methyl tert-Butyl Ether	2.444	73	9600	0.991	ppbv	#	88
29) Chloroform	2.852	83	28055	1.034	ppbv		97
30) Cyclohexane	3.865	84	16492	0.990	ppbv		90
31) cis-1,2-Dichloroethene	2.723	61	19591	1.031	ppbv		98
32) 1,1,1-Trichloroethane	3.373	97	27607	0.961	ppbv		97
34) 2-Butanone	2.564	43	28105	1.040	ppbv		98
35) Carbon Tetrachloride	3.768	117	28008	1.015	ppbv		93
36) Benzene	3.661	78	39137	1.021	ppbv	#	94
37) 1,2-Dichloroethane	3.224	62	20645	1.031	ppbv		97
38) Trichloroethene	4.555	130	17921	1.024	ppbv	#	89
39) 1,2-Dichloropropane	4.325	63	6572	0.469	ppbv	#	85
40) 1,4-Dioxane	4.603	88	3925	0.599	ppbv	#	25
41) Tetrahydrofuran	3.062	42	15552	1.032	ppbv		94
42) Bromodichloromethane	4.499	83	29683	0.995	ppbv		99
43) Methyl Methacrylate	4.898	69	5494	0.349	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.645	57	64930	1.009	ppbv		96
45) t-1,3-Dichloropropene	6.429	75	7736	0.434	ppbv		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

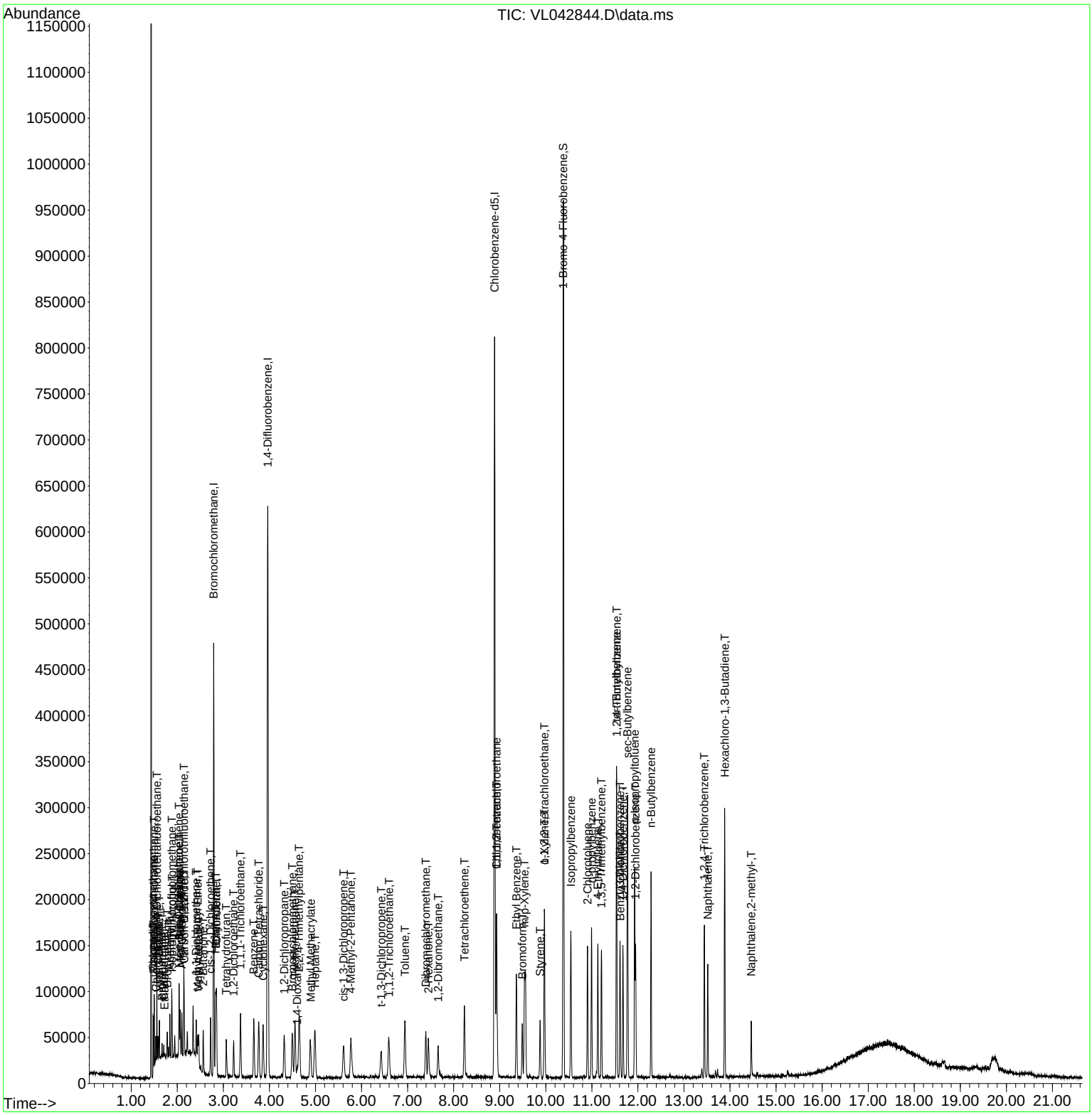
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	22372	0.999	ppbv		94
47) 1,1,2-Trichloroethane	6.597	97	15295	1.032	ppbv		86
48) Dibromochloromethane	7.396	129	24214	1.009	ppbv		99
49) Bromoform	9.490	173	20579	1.040	ppbv		98
50) 4-Methyl-2-Pentanone	5.768	43	36710	1.001	ppbv		98
51) 2-Hexanone	7.451	43	29487	1.026	ppbv	#	99
52) Tetrachloroethene	8.235	164	13322	0.960	ppbv		90
53) Toluene	6.946	91	47256	1.036	ppbv		99
54) 1,2-Dibromoethane	7.665	107	21280	0.982	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.930	131	19176	1.061	ppbv		96
57) Chlorobenzene	8.930	112	34617	1.041	ppbv	#	91
58) Ethyl Benzene	9.361	91	65223	1.057	ppbv		95
59) m/p-Xylene	9.539	91	53658	1.108	ppbv	#	100
60) o-Xylene	9.969	91	51445	1.058	ppbv		99
61) Styrene	9.879	104	23660	1.038	ppbv		100
62) Isopropylbenzene	10.546	105	76708	1.079	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.969	83	27410	1.032	ppbv		98
64) n-propylbenzene	10.995	120	18462	1.018	ppbv		90
65) tert-Butylbenzene	11.536	119	69617	1.111	ppbv		99
66) Benzyl Chloride	11.617	91	7900	0.993	ppbv		98
67) sec-Butylbenzene	11.772	105	96288	1.095	ppbv		98
69) p-Isopropyltoluene	11.931	119	82934	1.098	ppbv		99
70) n-Butylbenzene	12.287	91	80511	1.075	ppbv		99
71) 2-Chlorotoluene	10.908	91	60086	1.089	ppbv		100
72) 4-Ethyltoluene	11.131	105	63147	1.071	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	53676	1.070	ppbv		95
74) 1,2,4-Trimethylbenzene	11.539	105	59633	1.083	ppbv		96
75) 1,3-Dichlorobenzene	11.610	146	33061	1.057	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	33064	1.045	ppbv		96
77) 1,2-Dichlorobenzene	11.950	146	33404	1.090	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	29555	1.177	ppbv		95
79) Naphthalene	13.517	128	57580	1.169	ppbv		97
80) Naphthalene,2-methyl-	14.462	142	19375	1.045	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	27861	1.111	ppbv		99

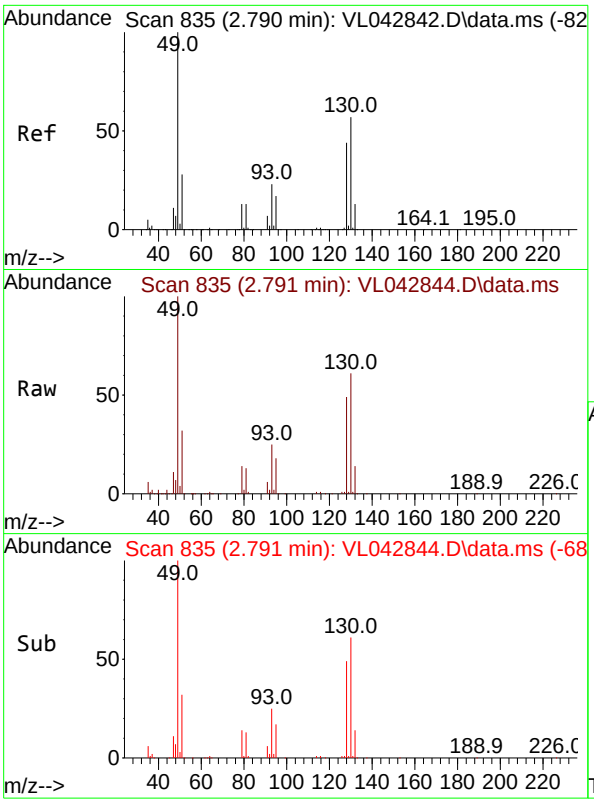
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



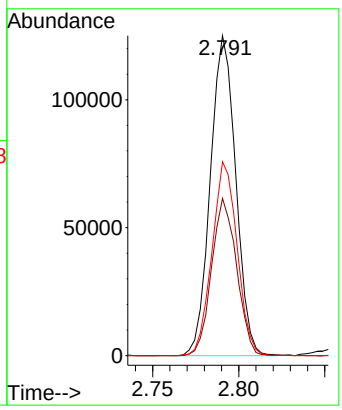


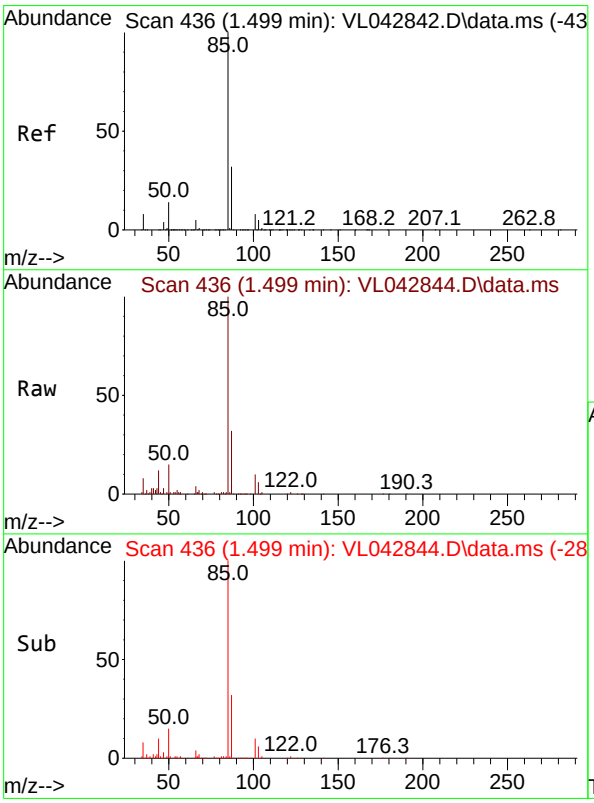
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.001 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 128542

Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.7	71.1
130	59.9	30.6	91.6

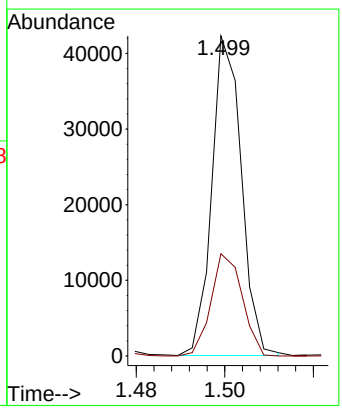


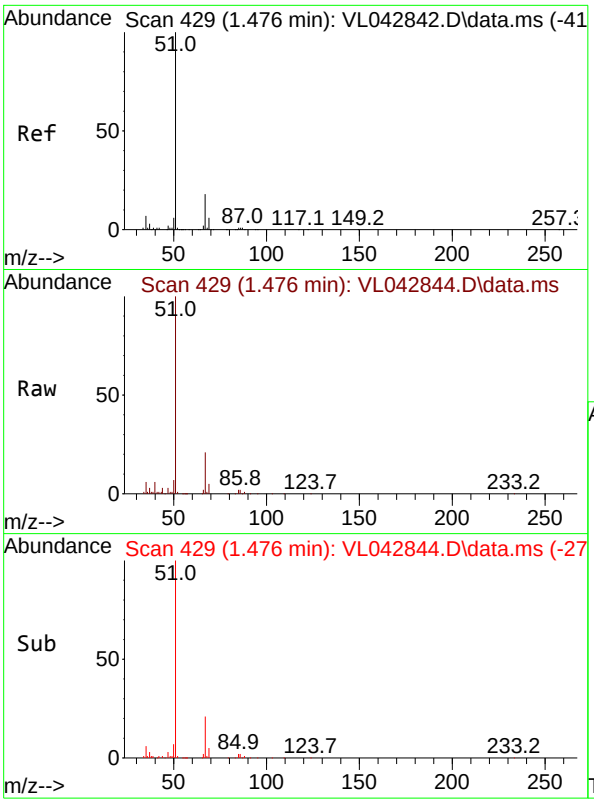


#2
Dichlorodifluoromethane
Concen: 1.041 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 19603

Ion	Ratio	Lower	Upper
85	100		
87	32.0	25.3	37.9



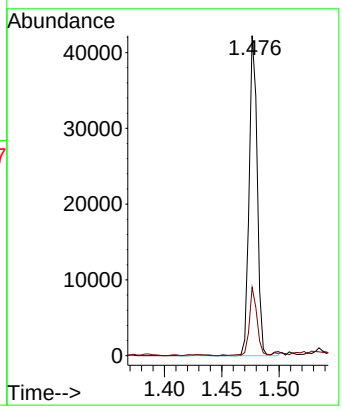


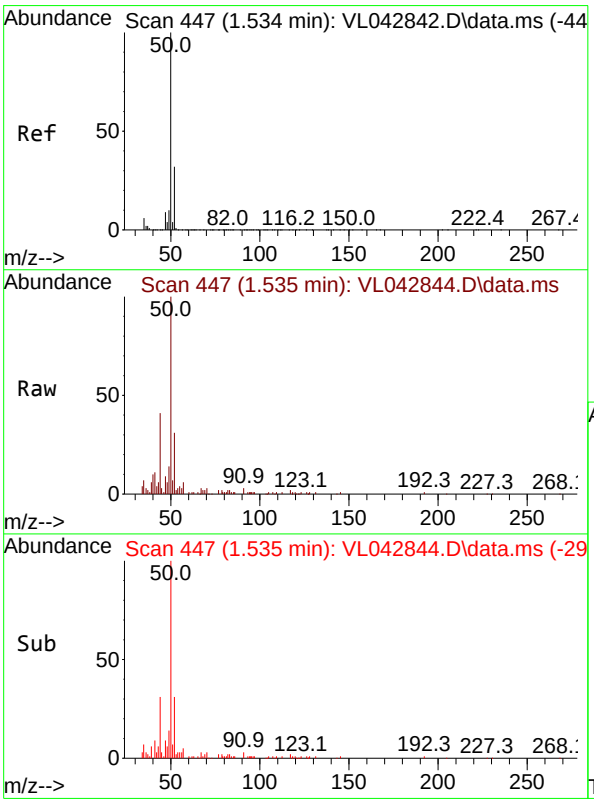
#3
Chlorodifluoromethane
Concen: 0.999 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 20833

Ion	Ratio	Lower	Upper
51	100		
67	21.9	14.9	22.3

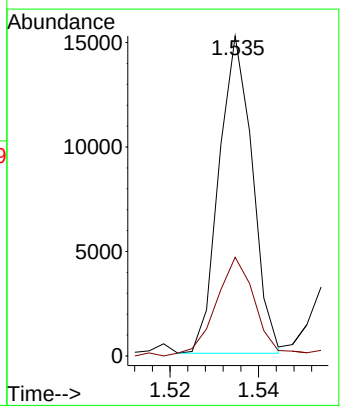


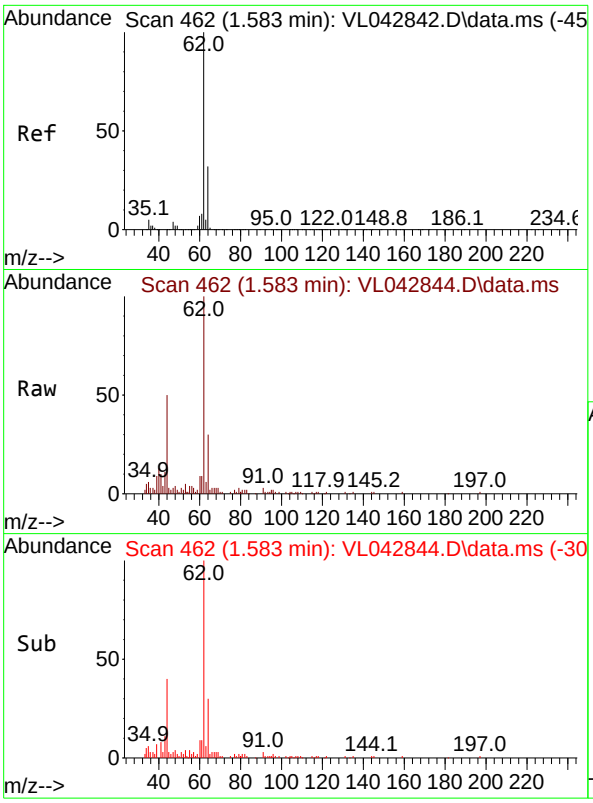


#4
Chloromethane
Concen: 1.045 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 50 Resp: 7948

Ion	Ratio	Lower	Upper
50	100		
52	30.2	25.9	38.9



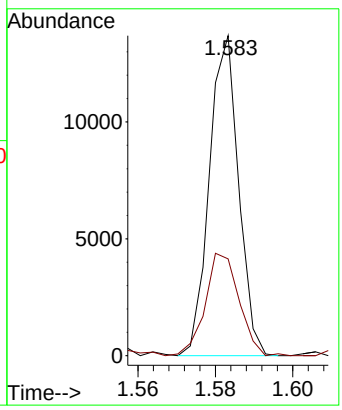


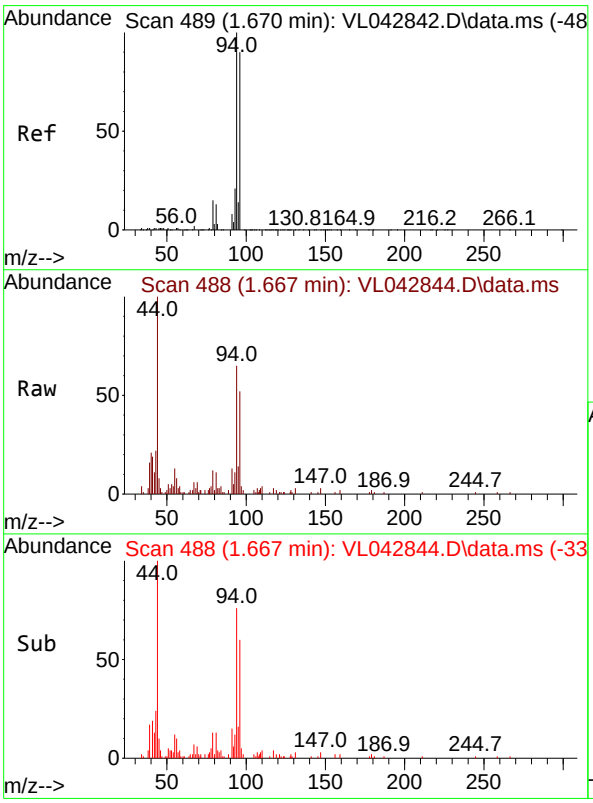
#5
Vinyl Chloride
Concen: 0.960 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 7189

Ion	Ratio	Lower	Upper
62	100		
64	29.7	25.4	38.2

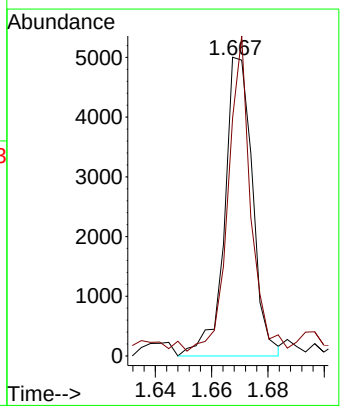


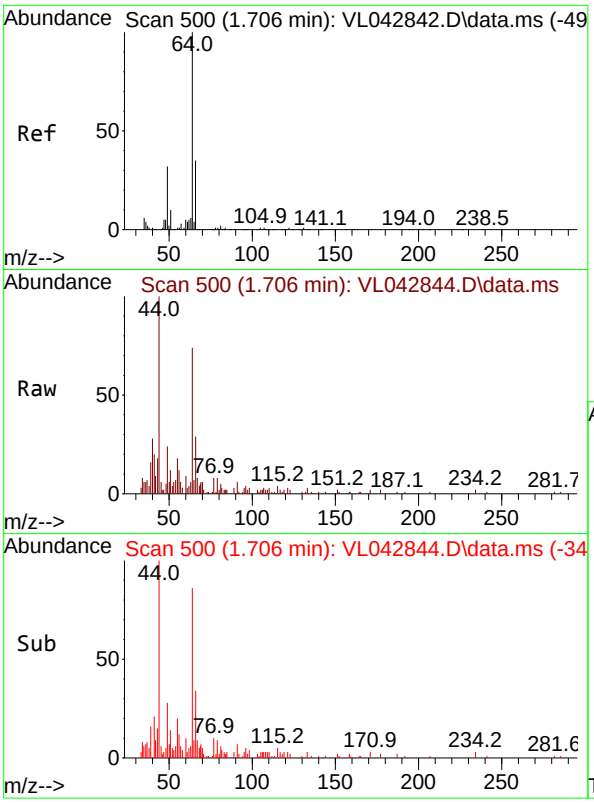


#6
Bromomethane
Concen: 1.151 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 94 Resp: 3446

Ion	Ratio	Lower	Upper
94	100		
96	74.7	72.1	108.1



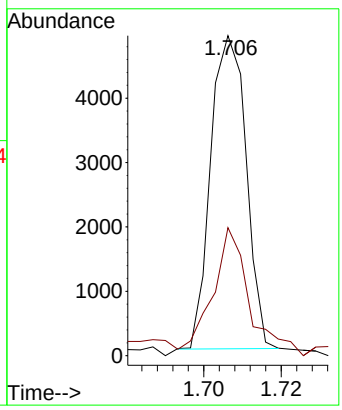


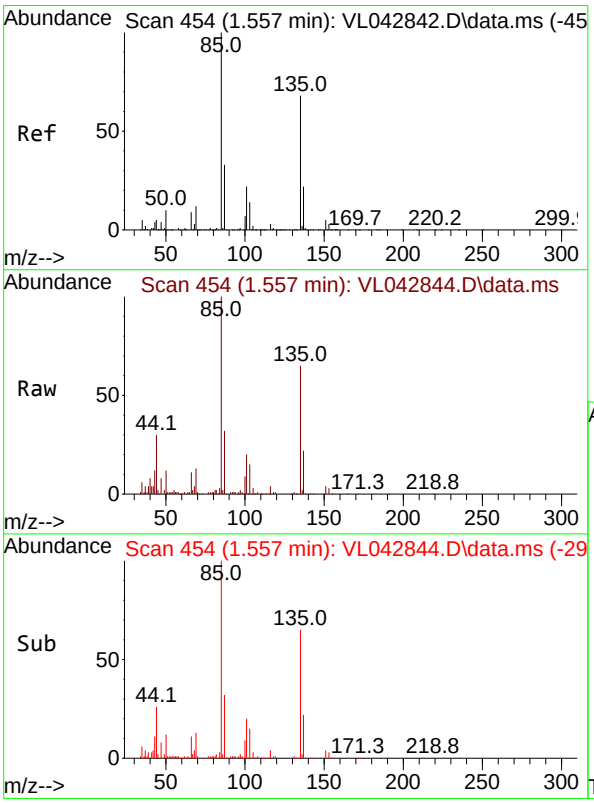
#7
Chloroethane
Concen: 1.056 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 3089

Ion	Ratio	Lower	Upper
64	100		
66	40.0	28.6	42.8

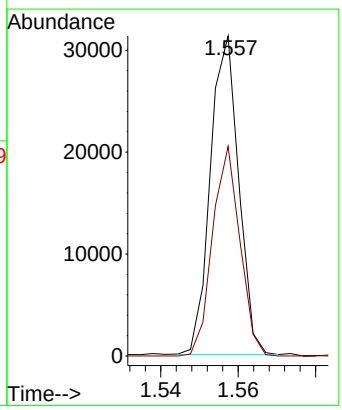


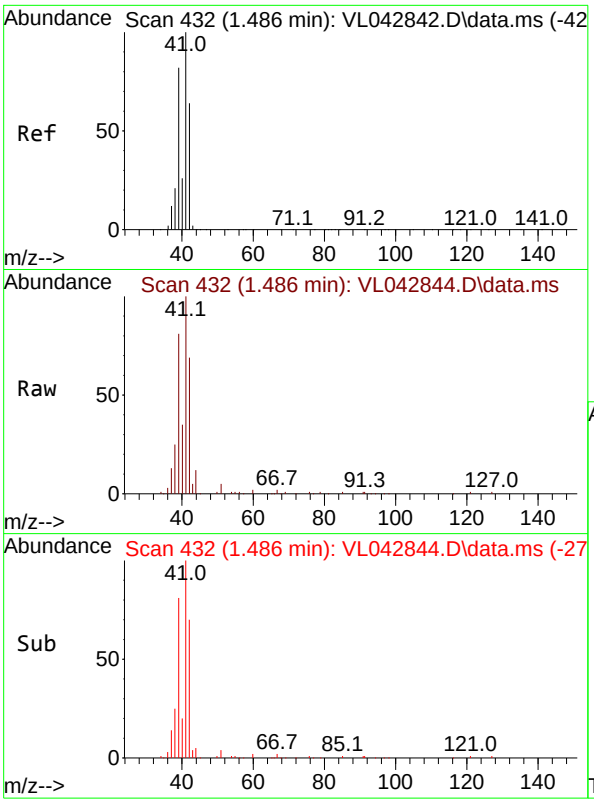


#8
Dichlorotetrafluoroethane
Concen: 1.030 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 15872

Ion	Ratio	Lower	Upper
85	100		
135	63.7	51.2	76.8



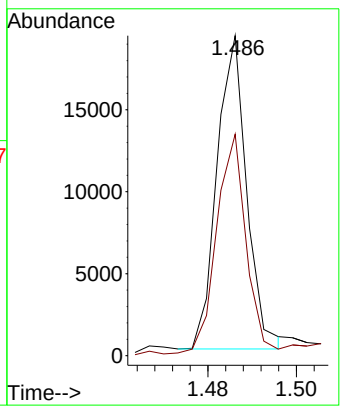


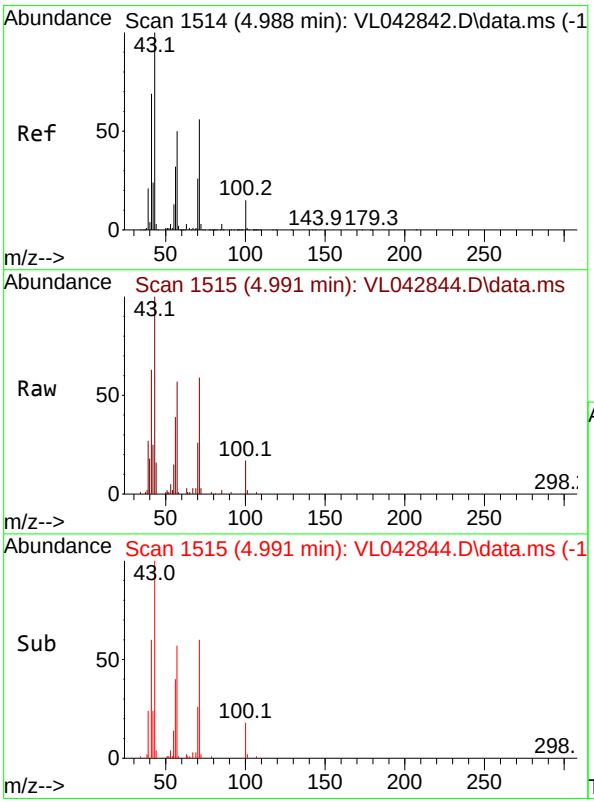
#9
Propene
Concen: 0.989 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 8897

Ion	Ratio	Lower	Upper
41	100		
42	74.9	53.0	79.4

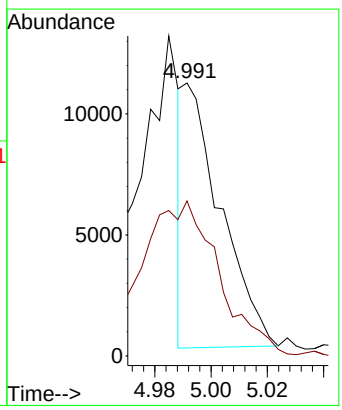


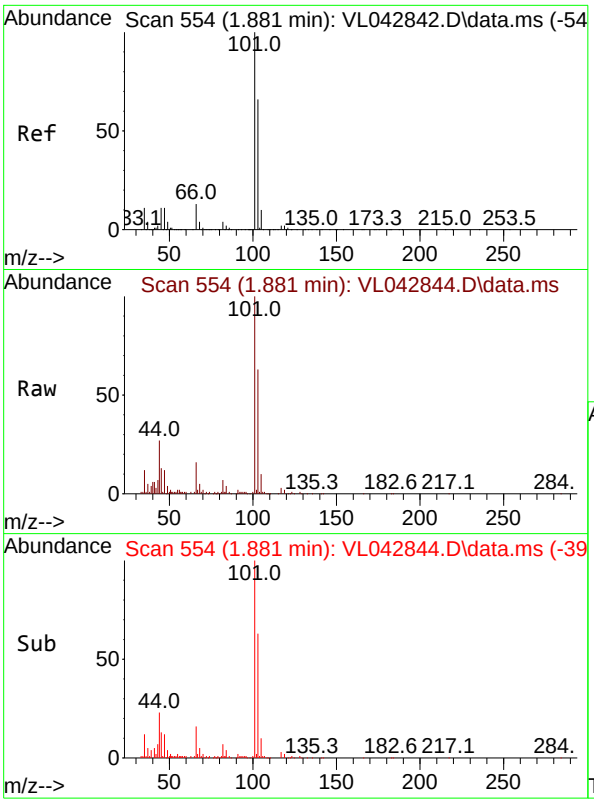


#10
Heptane
Concen: 0.419 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.004 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 10068

Ion	Ratio	Lower	Upper
43	100		
57	133.5	41.4	62.0#



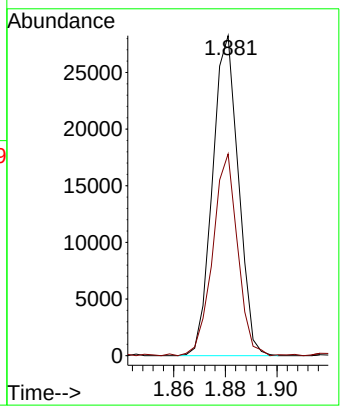


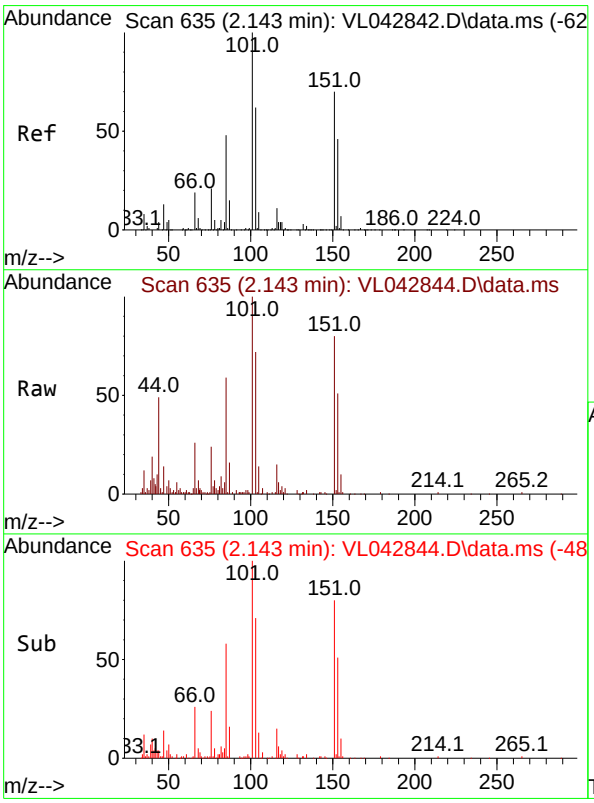
#11
Trichlorofluoromethane
Concen: 1.060 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 19701

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.5	78.7

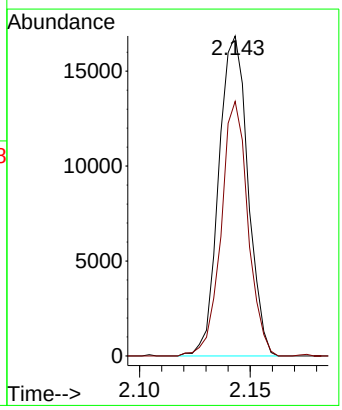


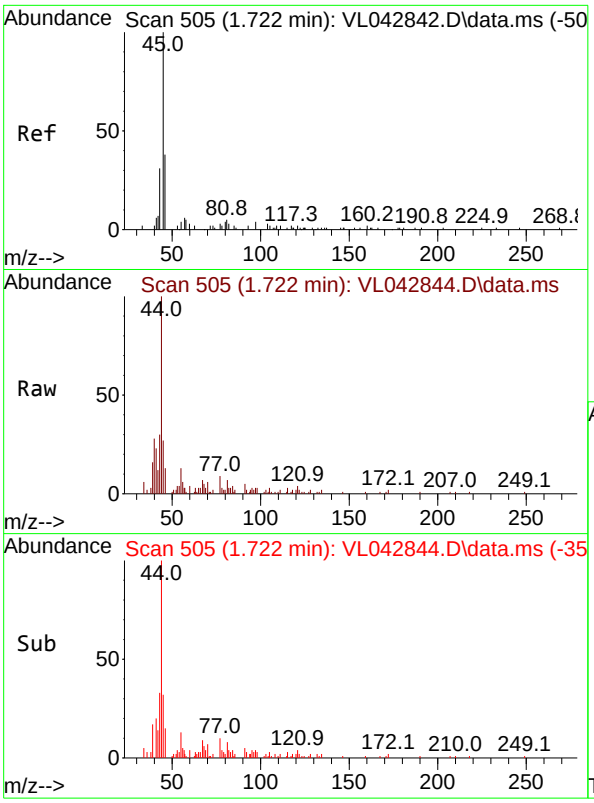


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.043 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:101 Resp: 15446

Ion	Ratio	Lower	Upper
101	100		
151	73.2	56.4	84.6



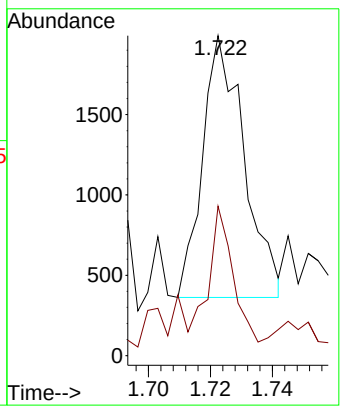


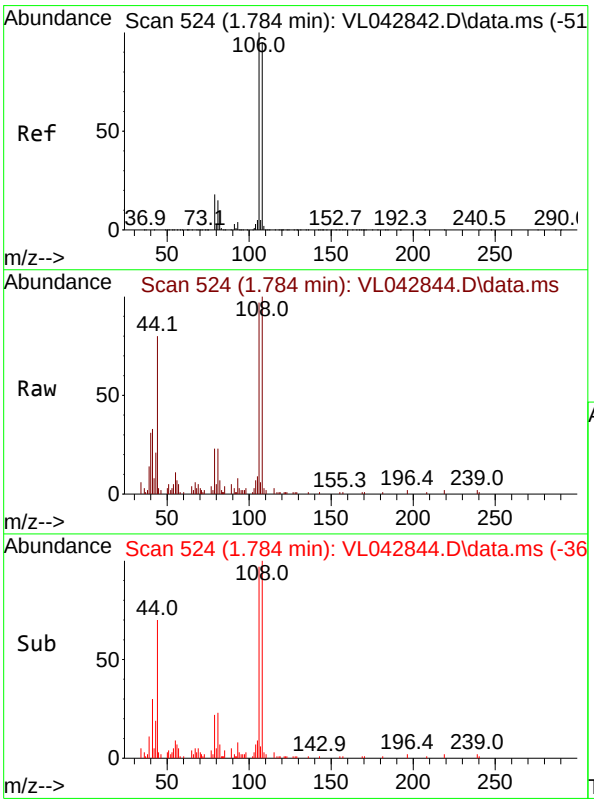
#13
Ethanol
Concen: 1.705 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1519

Ion	Ratio	Lower	Upper
45	100		
46	53.5	17.5	69.9

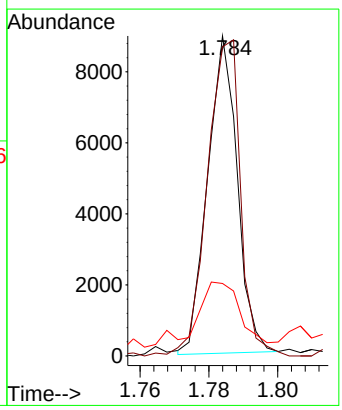


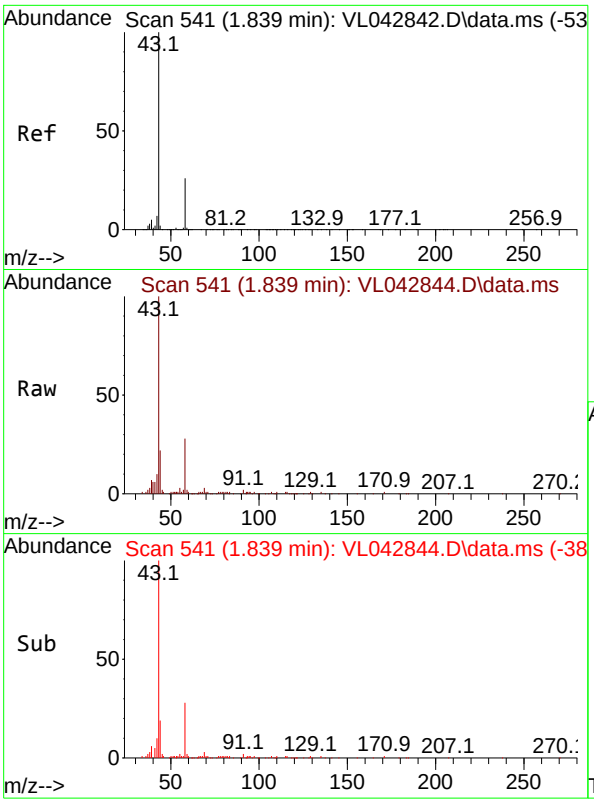


#14
Bromoethene
Concen: 0.996 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:108 Resp: 5343

Ion	Ratio	Lower	Upper
108	100		
106	117.1	85.1	127.7
79	58.9	16.3	24.5#



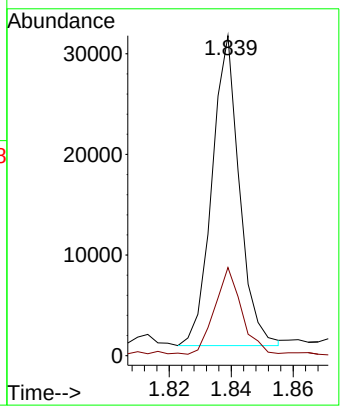


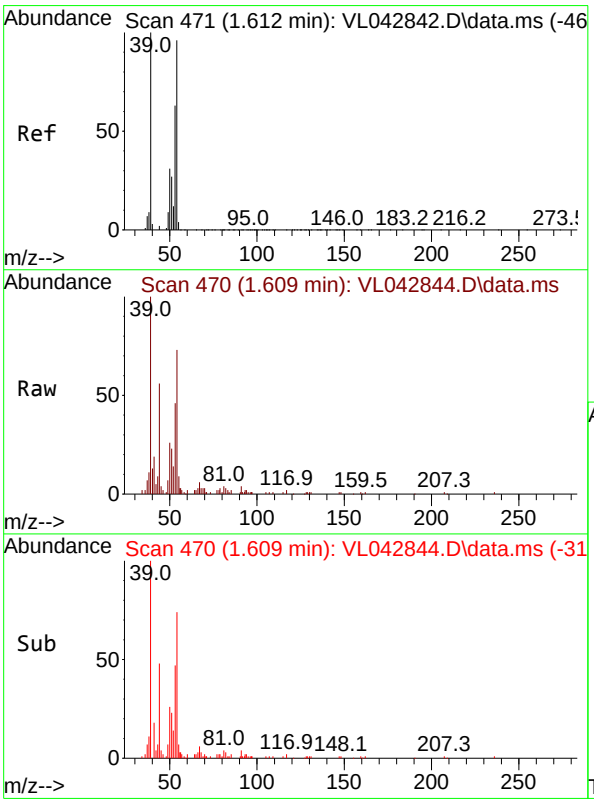
#15
Acetone
Concen: 1.115 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18961

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6

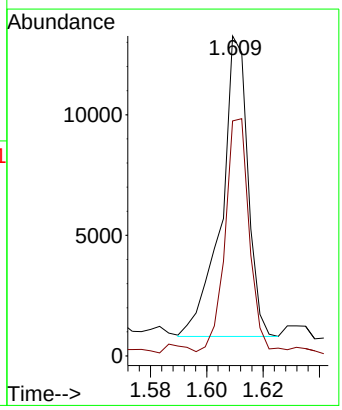


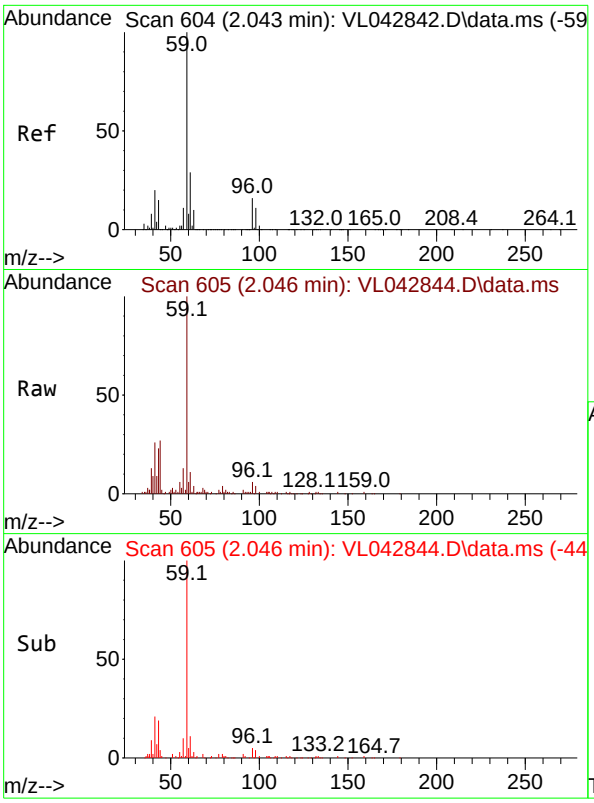


#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 39 Resp: 8133

Ion	Ratio	Lower	Upper
39	100		
54	78.0	63.6	95.4



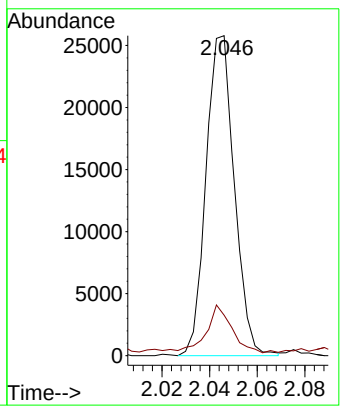


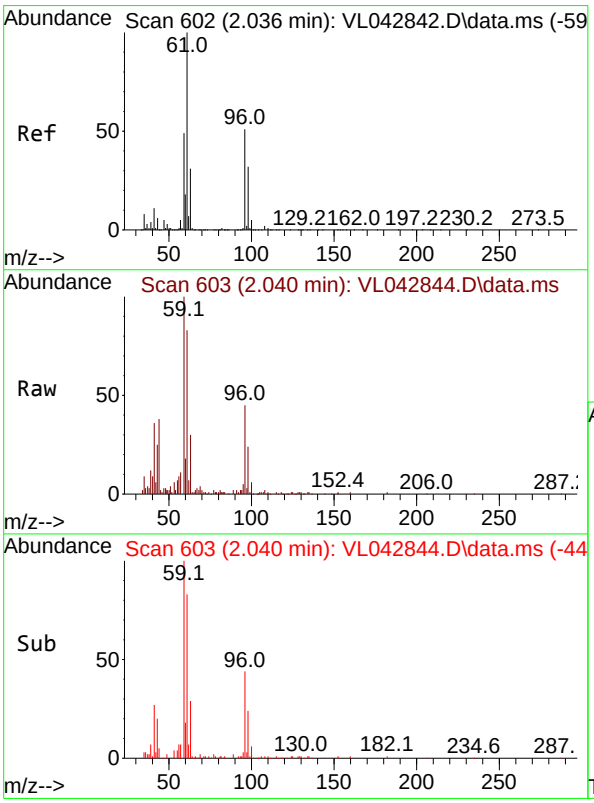
#17
tert-Butyl alcohol
Concen: 1.058 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 21342

Ion	Ratio	Lower	Upper
59	100		
57	13.7	9.0	13.4#

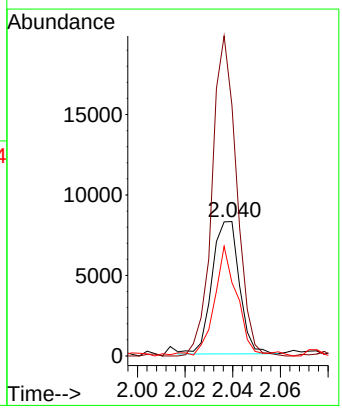


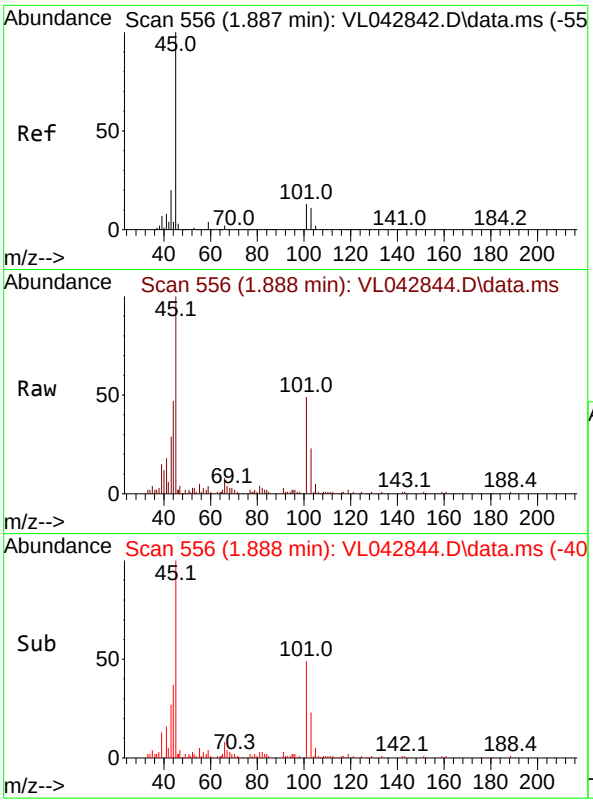


#18
1,1-Dichloroethene
Concen: 1.006 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 96 Resp: 6549

Ion	Ratio	Lower	Upper
96	100		
61	189.6	158.2	237.4
98	53.1	50.6	76.0



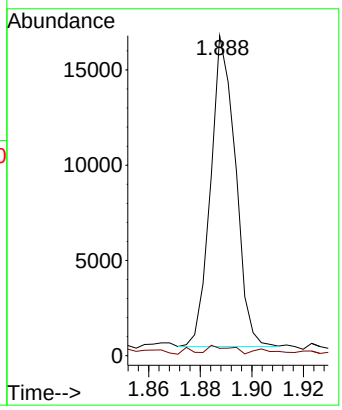


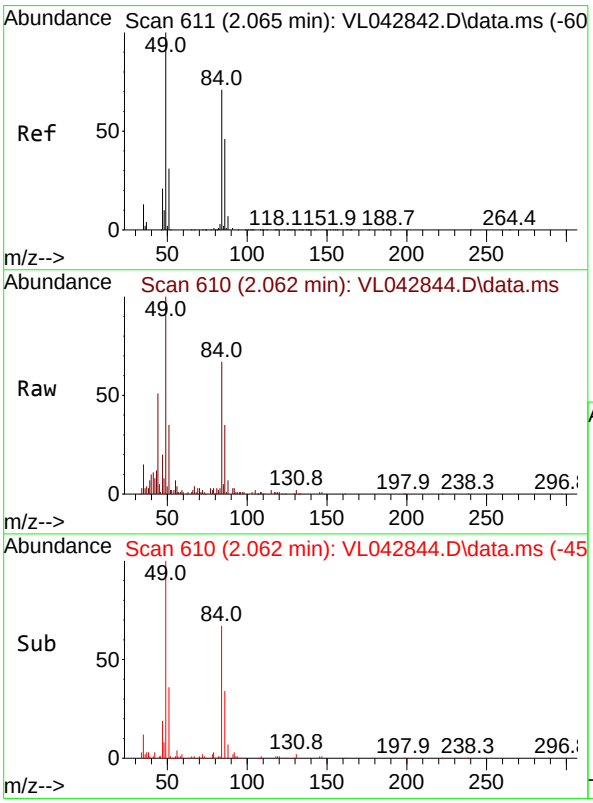
#19
Isopropyl Alcohol
Concen: 1.073 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 10893

Ion	Ratio	Lower	Upper
45	100		
58	2.9	32.7	49.1#

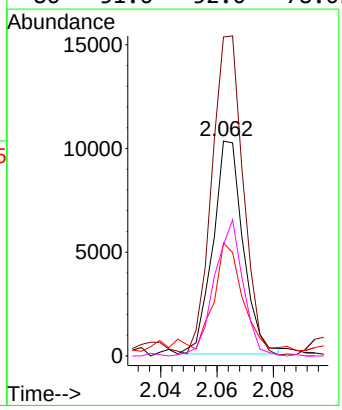


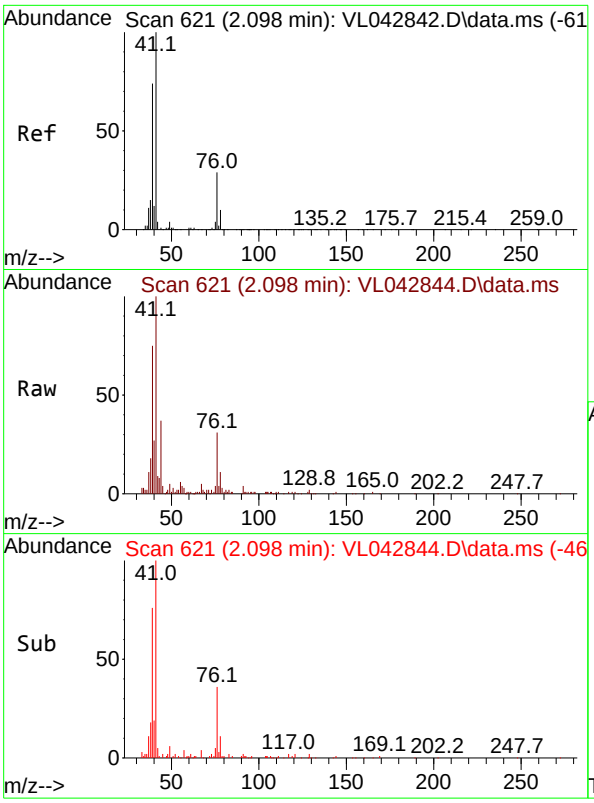


#20
Methylene Chloride
Concen: 1.076 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 84 Resp: 7661

Ion	Ratio	Lower	Upper
84	100		
49	149.4	112.3	168.5
51	49.2	36.0	54.0
86	51.6	52.0	78.0#



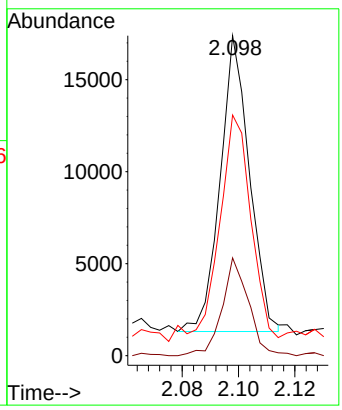


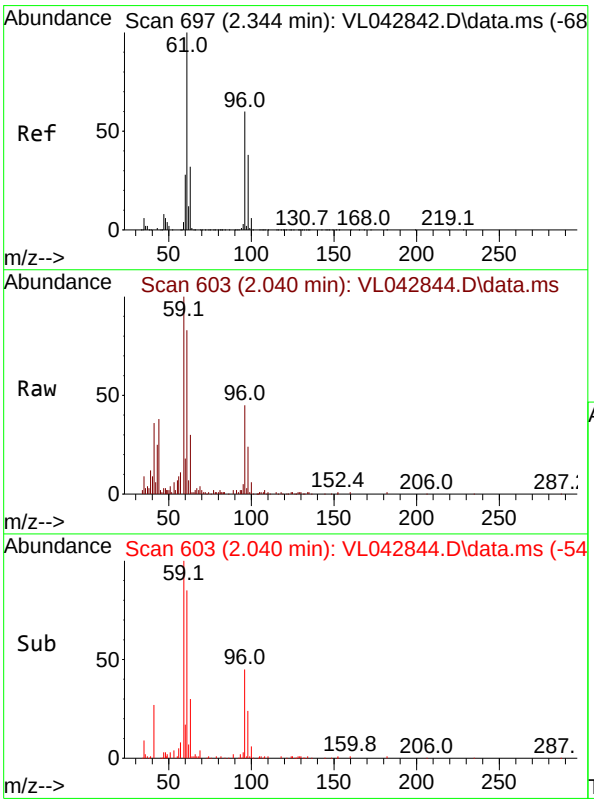
#21
Allyl Chloride
Concen: 0.966 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 11598

Ion	Ratio	Lower	Upper
41	100		
76	30.9	23.9	35.9
39	86.2	57.8	86.6

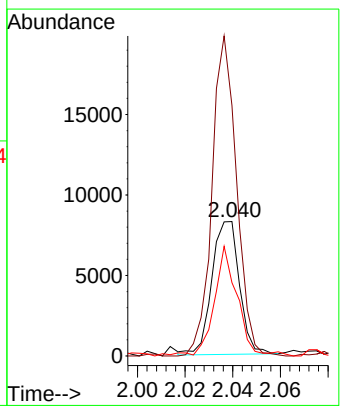


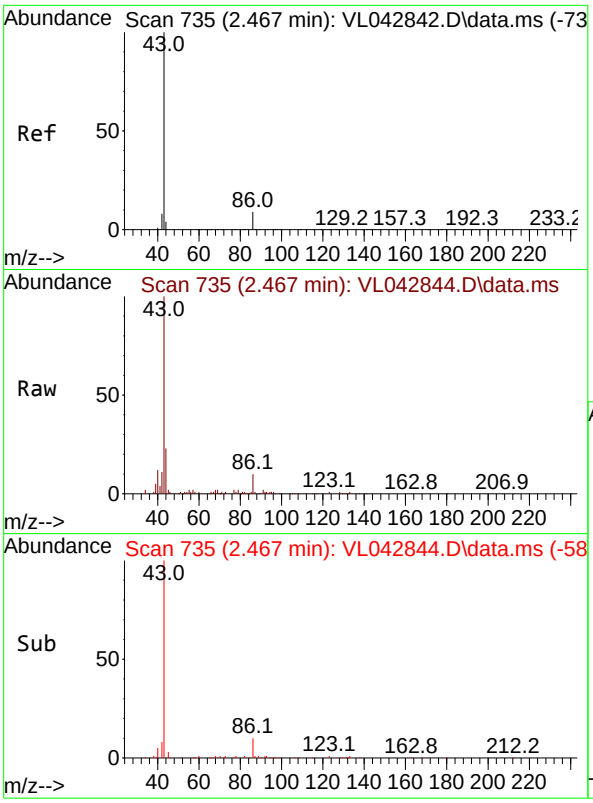


#22
trans-1,2-Dichloroethene
Concen: 0.910 ppbv
RT: 2.040 min Scan# 603
Delta R.T. -0.304 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 96 Resp: 6629

Ion	Ratio	Lower	Upper
96	100		
61	189.6	132.6	199.0
98	53.1	50.0	75.0



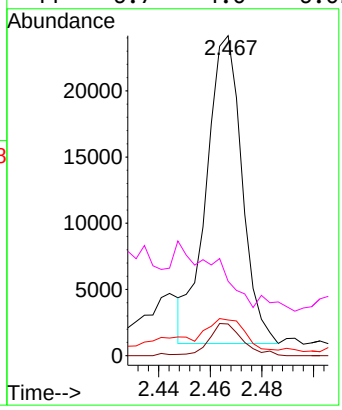


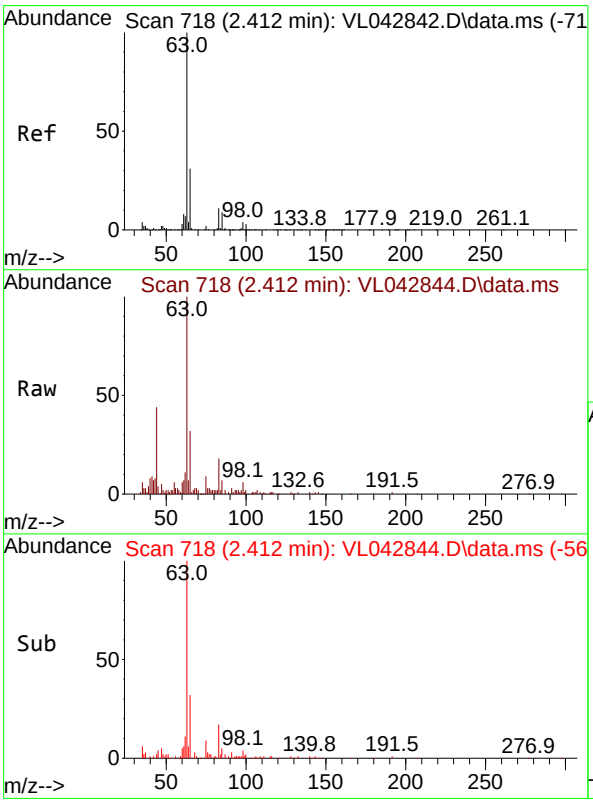
#23
Vinyl Acetate
Concen: 0.996 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22270

Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	9.8#
42	9.8	7.0	10.6
44	6.7	4.0	6.0#

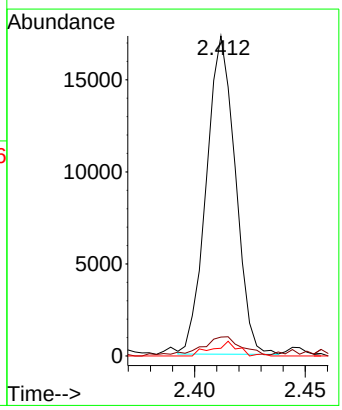


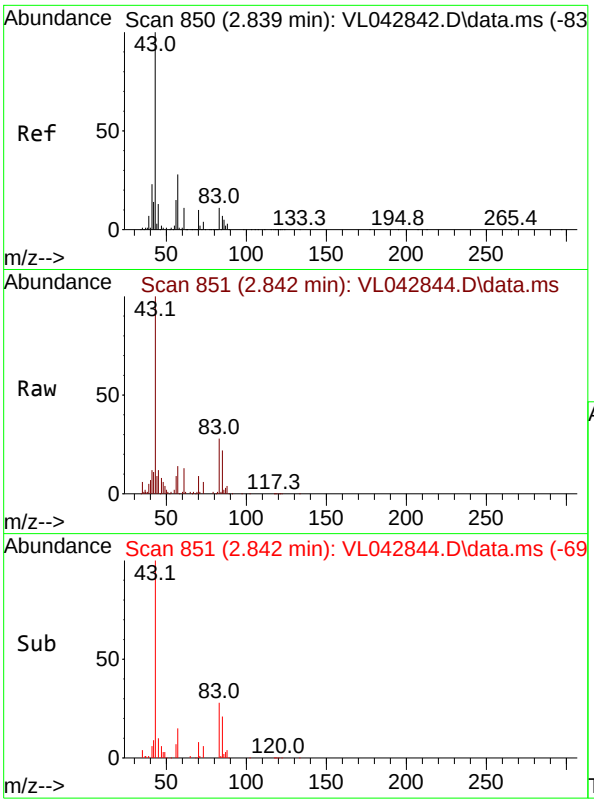


#24
1,1-Dichloroethane
Concen: 1.045 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 63 Resp: 15727

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.7	5.1



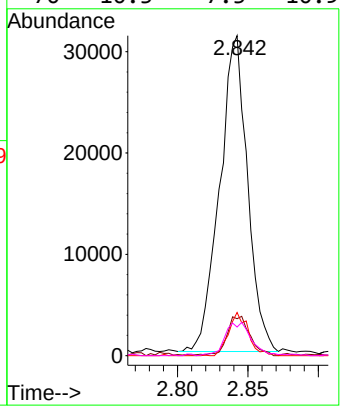


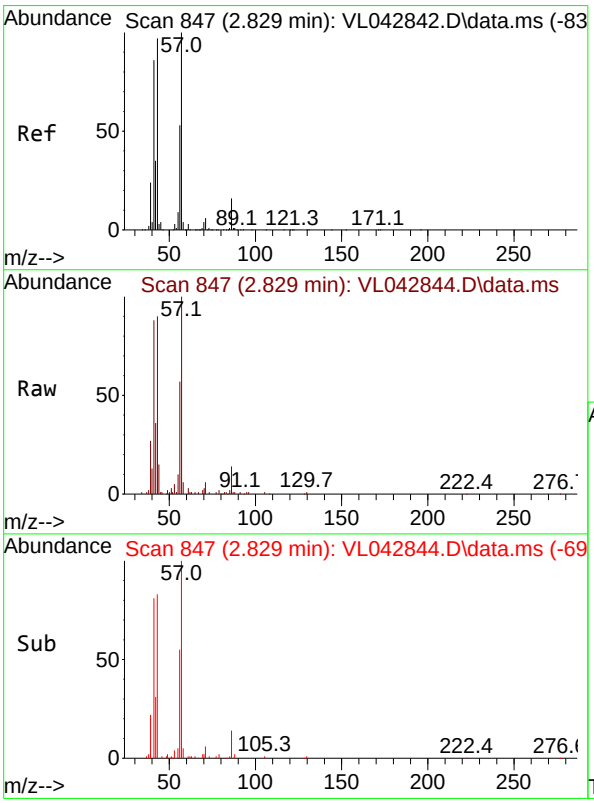
#25
Ethyl Acetate
Concen: 1.045 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 43007

Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	9.7	7.4	11.2
70	10.3	7.3	10.9

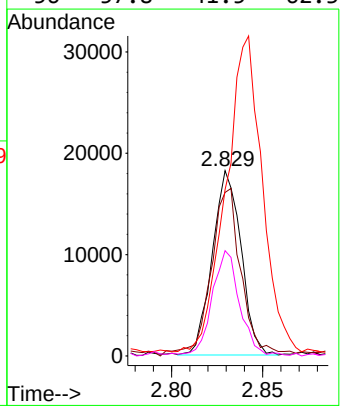


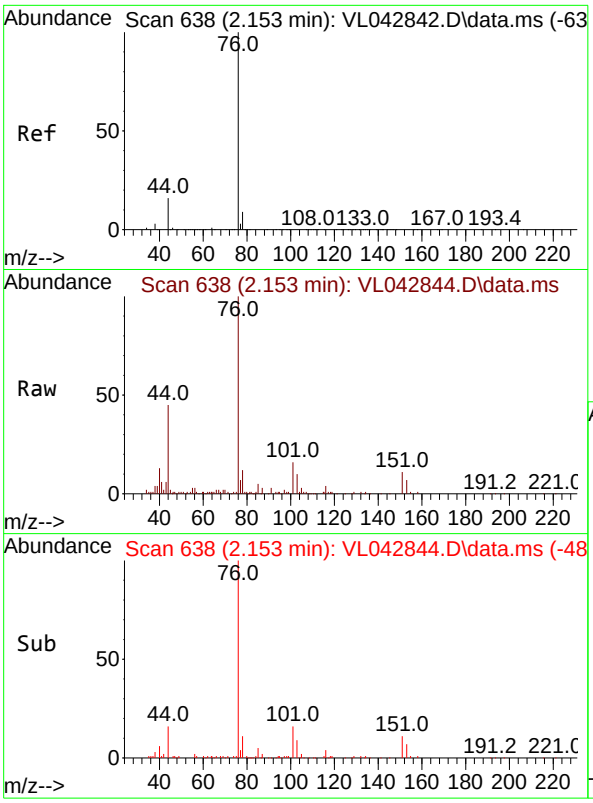


#26
Hexane
Concen: 1.050 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 57 Resp: 19944

Ion	Ratio	Lower	Upper
57	100		
41	93.6	68.6	103.0
43	222.4	168.5	252.7
56	57.8	41.5	62.3



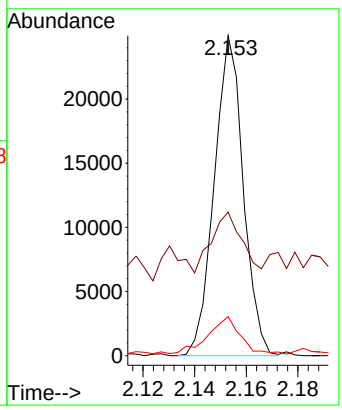


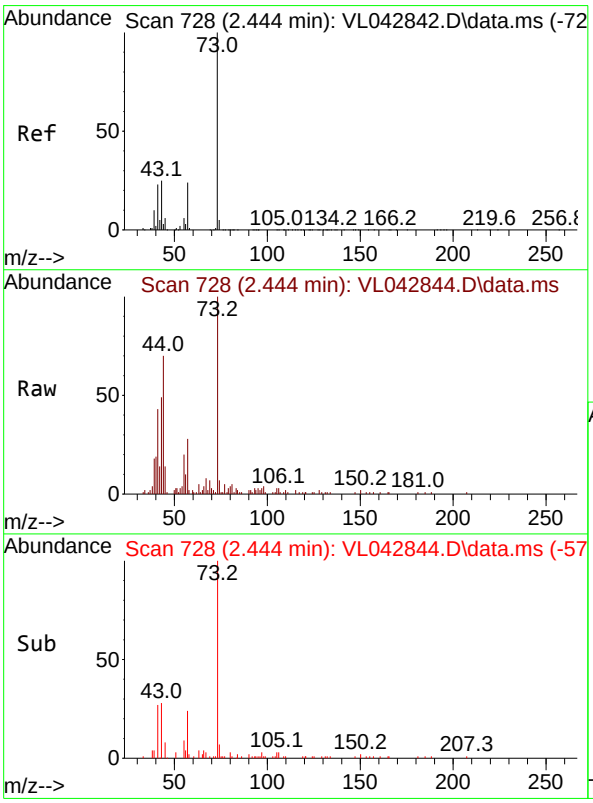
#27
Carbon Disulfide
Concen: 1.052 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 19450

Ion	Ratio	Lower	Upper
76	100		
44	88.3	15.9	23.9#
78	17.1	9.5	14.3#

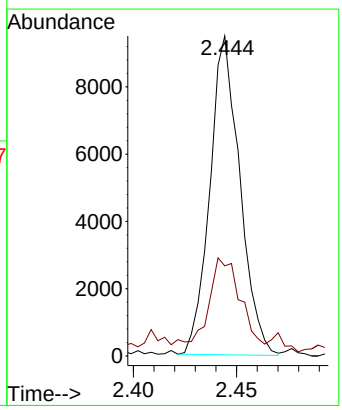


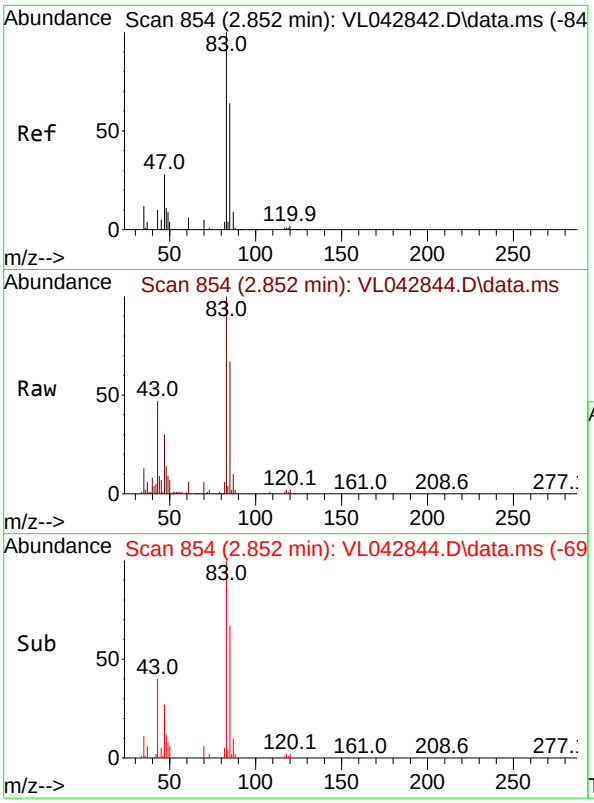


#28
Methyl tert-Butyl Ether
Concen: 0.991 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 73 Resp: 9600

Ion	Ratio	Lower	Upper
73	100		
57	33.4	21.6	32.4#



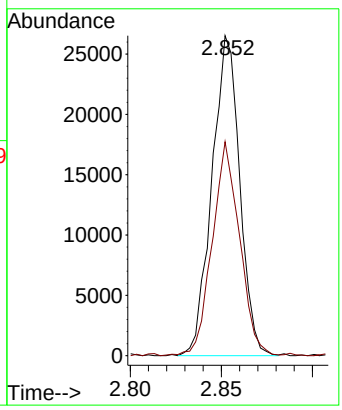


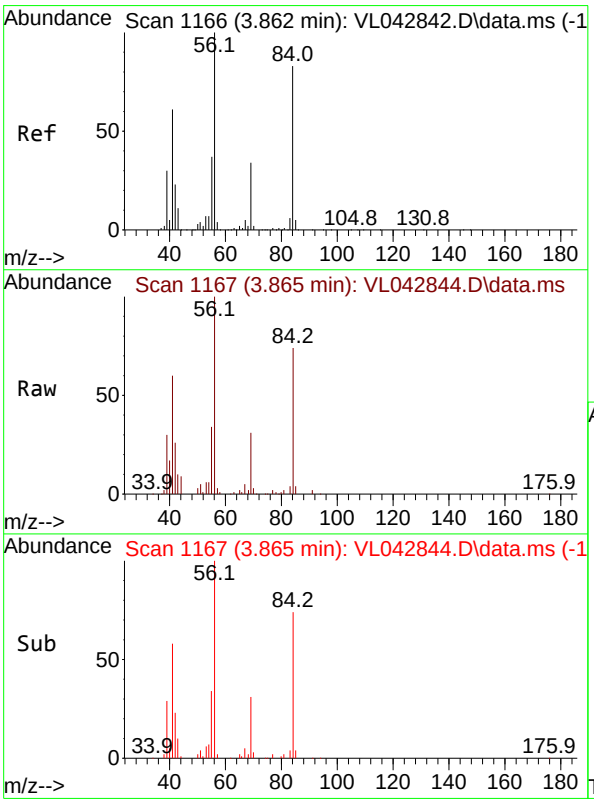
#29
Chloroform
Concen: 1.034 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 28055

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.1	76.7

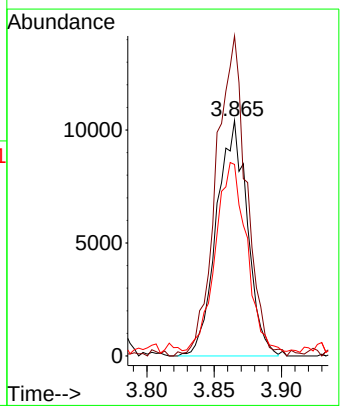


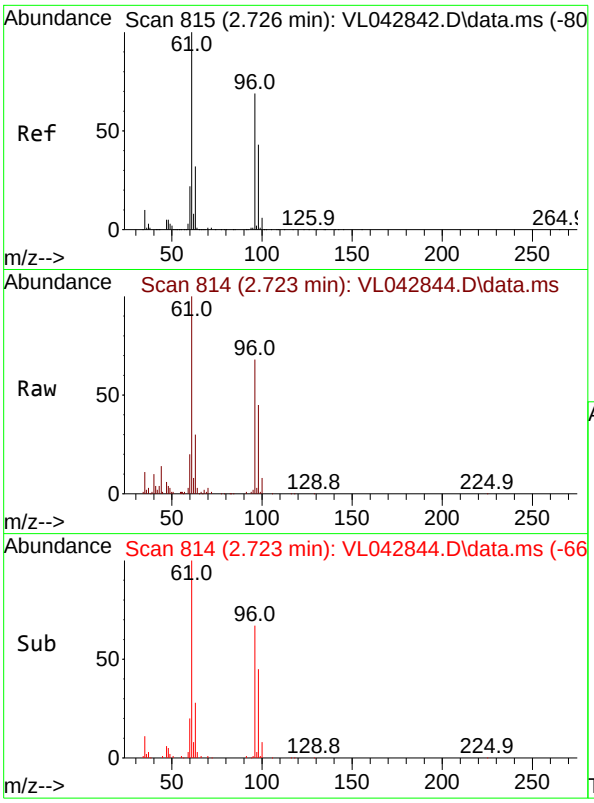


#30
Cyclohexane
Concen: 0.990 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 84 Resp: 16492

Ion	Ratio	Lower	Upper
84	100		
56	135.9	98.8	148.2
41	84.9	61.3	91.9



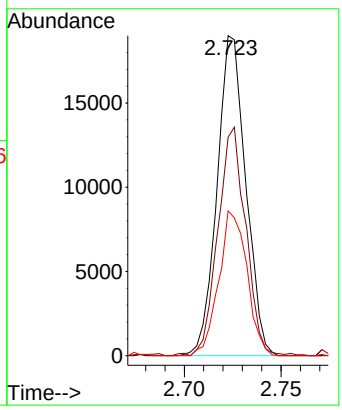


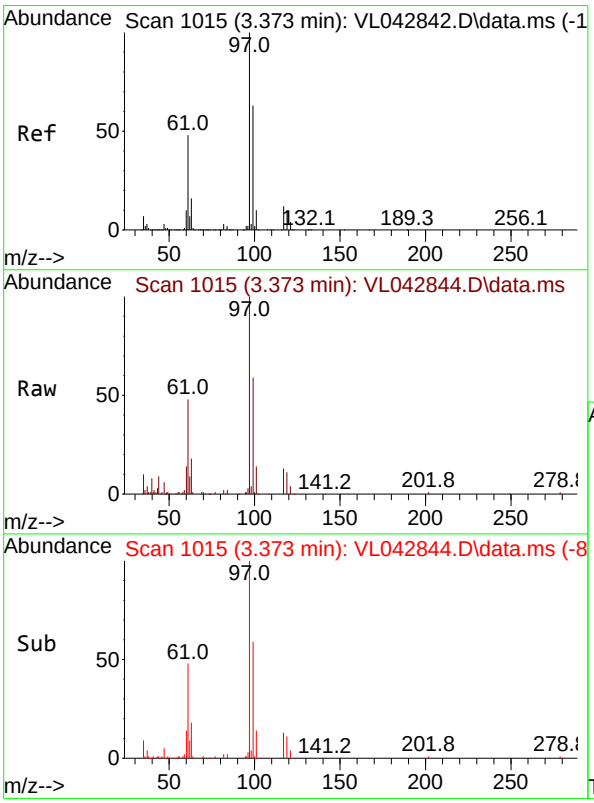
#31
cis-1,2-Dichloroethene
Concen: 1.031 ppbv
RT: 2.723 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 19591

Ion	Ratio	Lower	Upper
61	100		
96	67.7	55.0	82.6
98	45.2	34.3	51.5

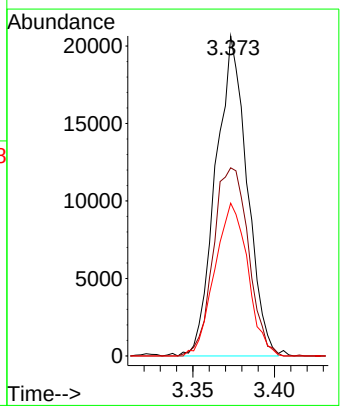


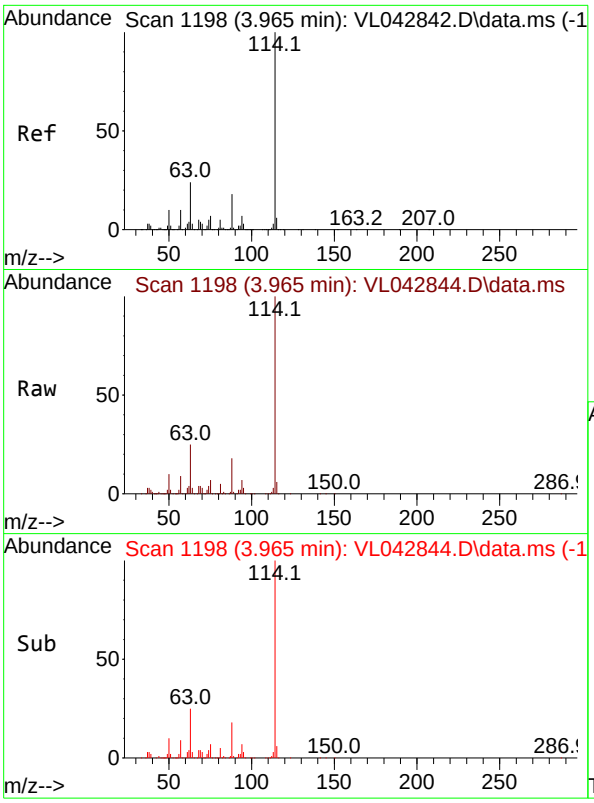


#32
1,1,1-Trichloroethane
Concen: 0.961 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 97 Resp: 27607

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.6
61	50.2	38.0	57.0



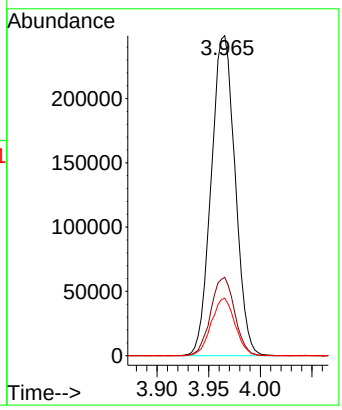


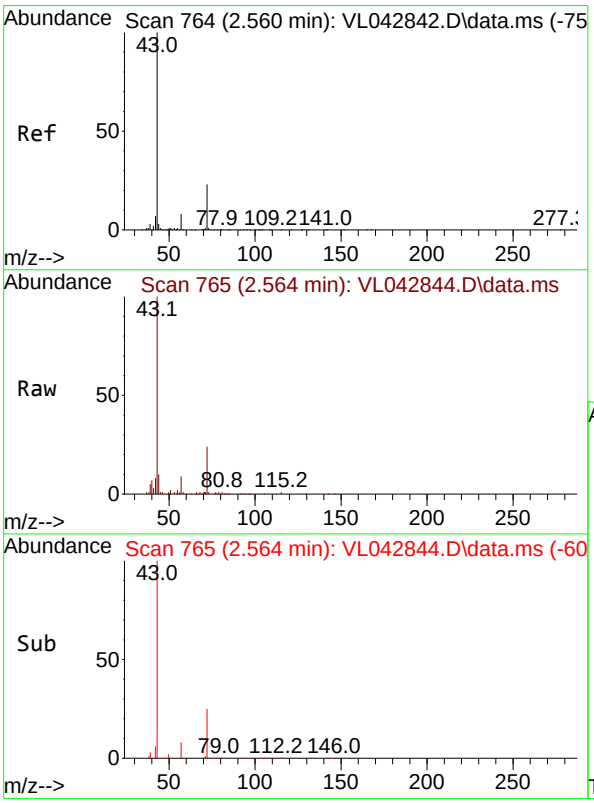
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 400305

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	17.9	14.4	21.6

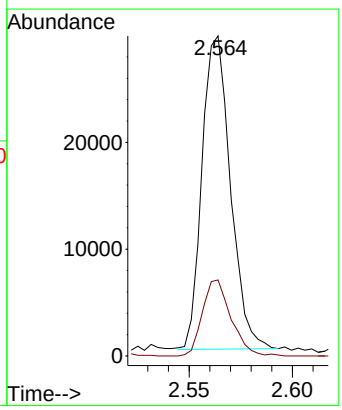


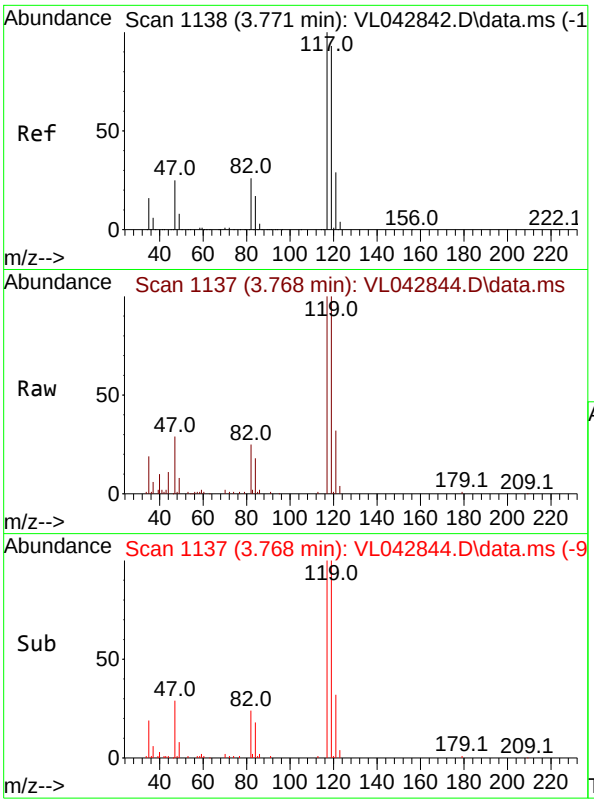


#34
2-Butanone
Concen: 1.040 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 28105

Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.6	28.0



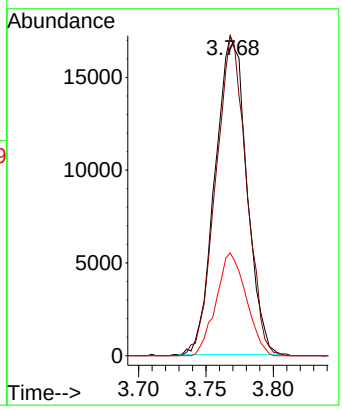


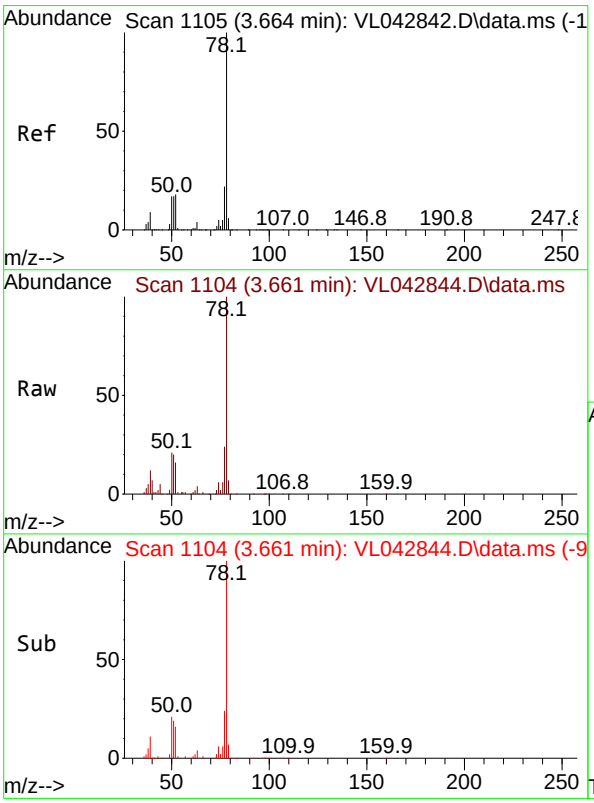
#35
Carbon Tetrachloride
Concen: 1.015 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 28008

Ion	Ratio	Lower	Upper
117	100		
119	100.5	74.7	112.1
121	32.3	23.2	34.8

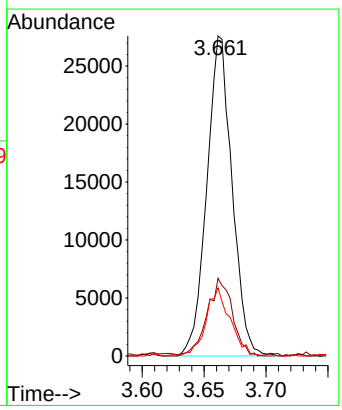


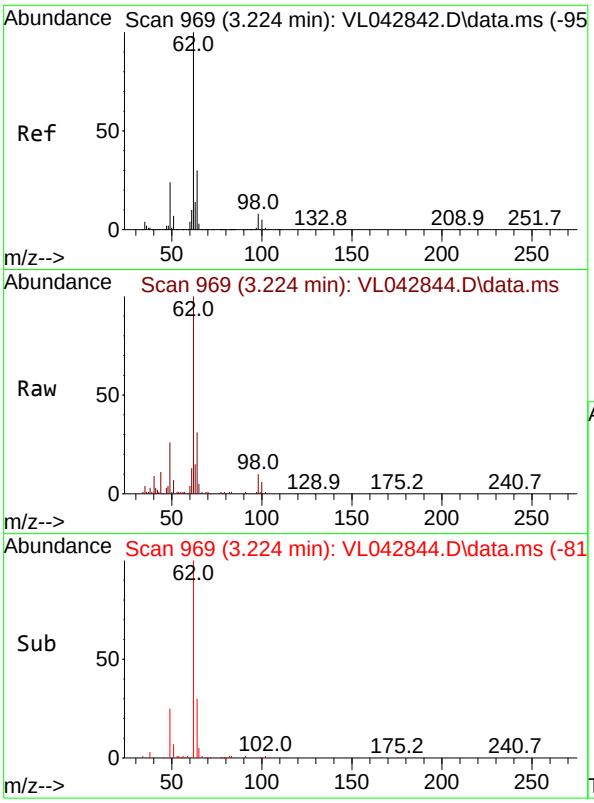


#36
Benzene
Concen: 1.021 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 78 Resp: 39137

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.7	26.5
50	21.1	13.9	20.9#



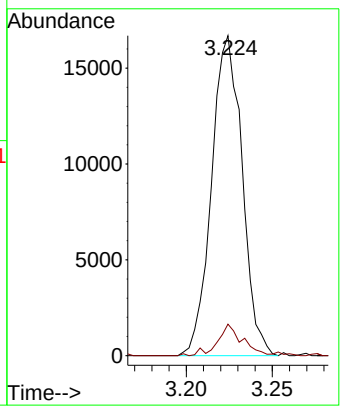


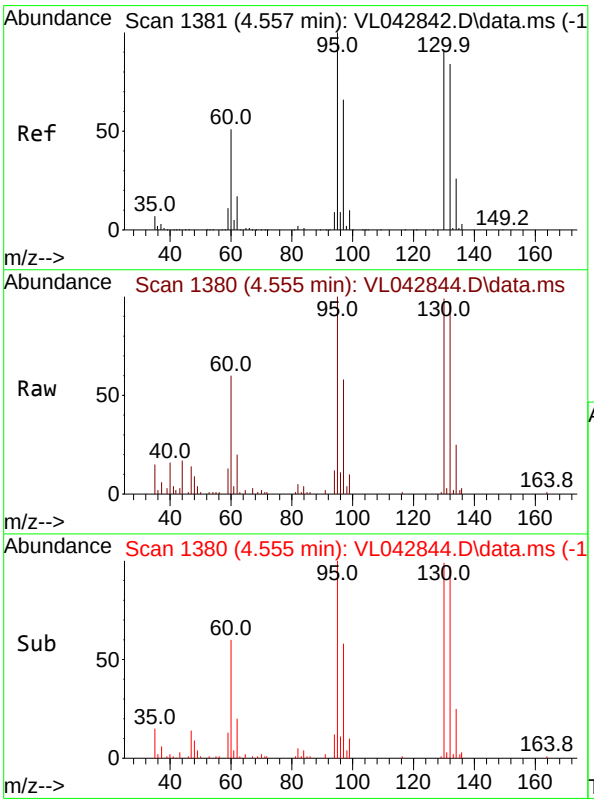
#37
1,2-Dichloroethane
Concen: 1.031 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 20645

Ion	Ratio	Lower	Upper
62	100		
98	8.4	5.9	8.9

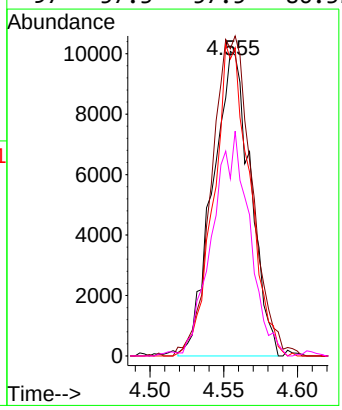


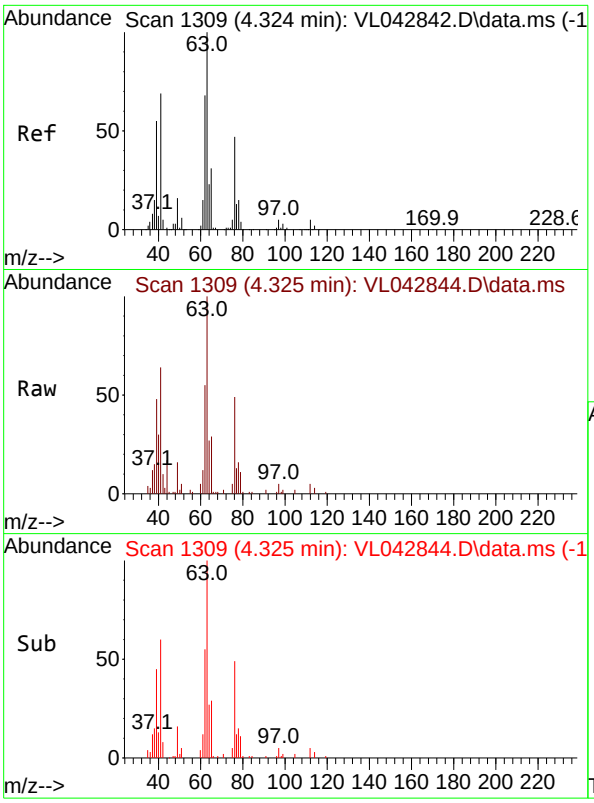


#38
Trichloroethene
Concen: 1.024 ppbv
RT: 4.555 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:130 Resp: 17921

Ion	Ratio	Lower	Upper
130	100		
95	97.9	87.6	131.4
132	96.6	73.8	110.8
97	57.3	57.5	86.3#



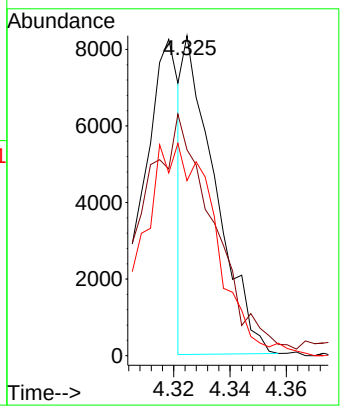


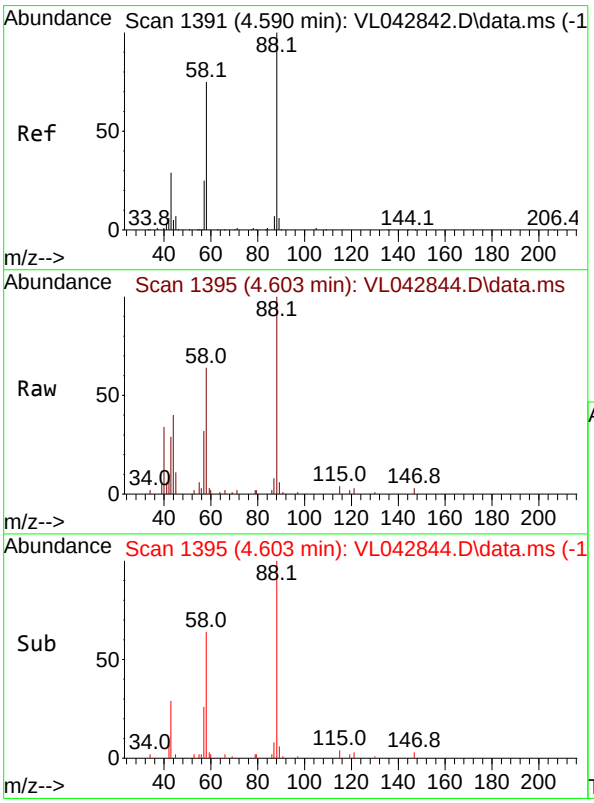
#39
1,2-Dichloropropane
Concen: 0.469 ppbv
RT: 4.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 6572

Ion	Ratio	Lower	Upper
63	100		
41	61.3	55.0	82.4
62	51.1	54.4	81.6#

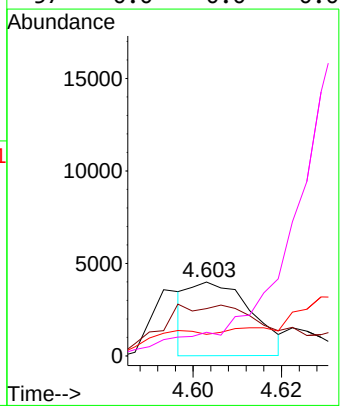


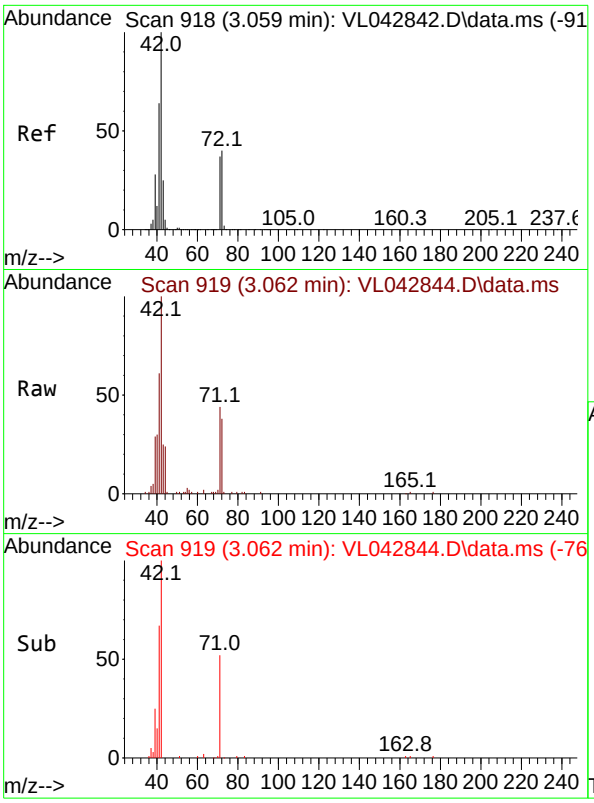


#40
1,4-Dioxane
Concen: 0.599 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.013 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 88 Resp: 3925

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.8	80.6#
43	0.0	22.8	34.2#
57	0.0	0.0	0.0



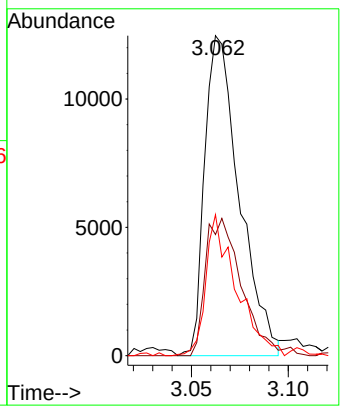


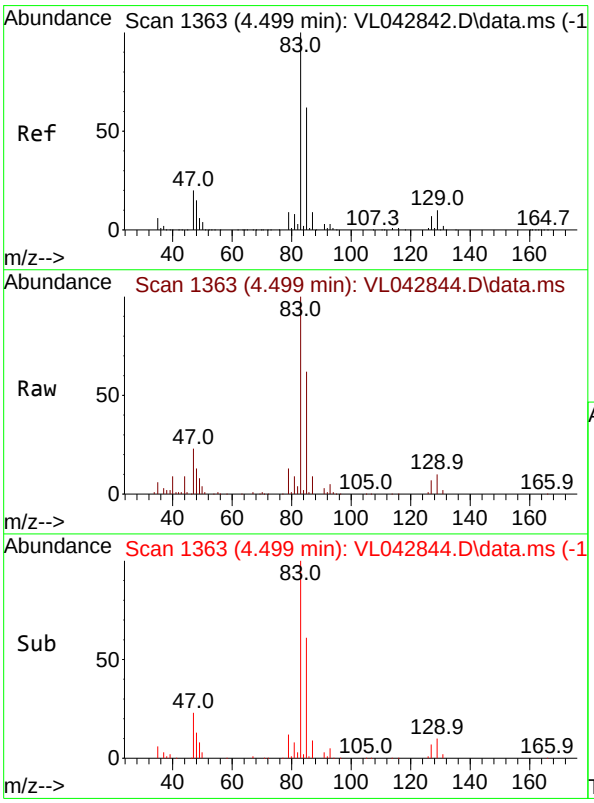
#41
Tetrahydrofuran
Concen: 1.032 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 15552

Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.6	48.8
71	40.1	30.0	45.0

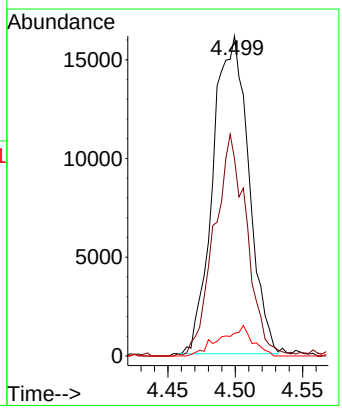


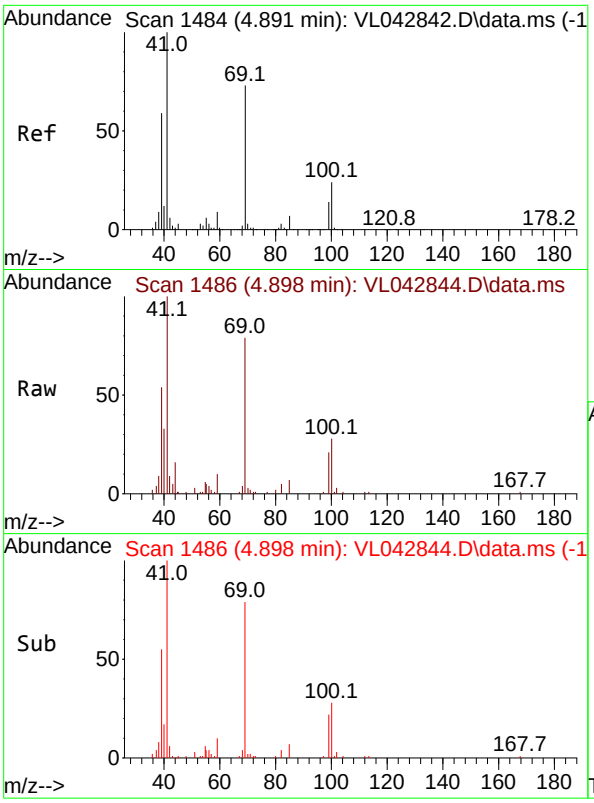


#42
Bromodichloromethane
Concen: 0.995 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 29683

Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.8	74.8
127	7.2	5.8	8.6



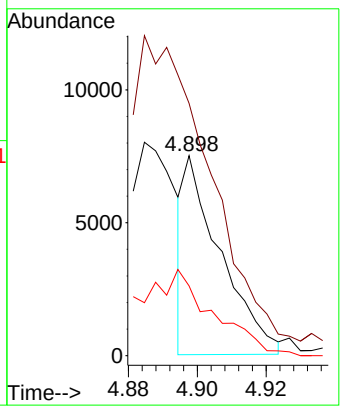


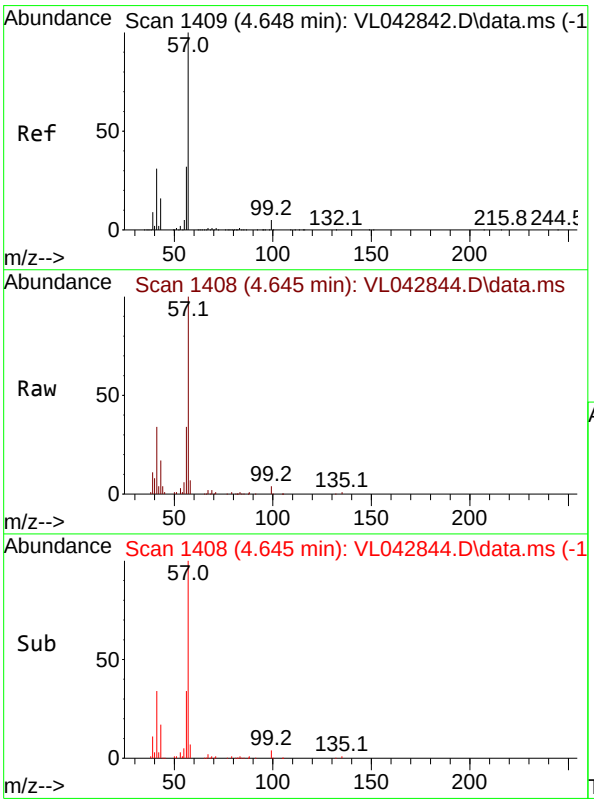
#43
Methyl Methacrylate
Concen: 0.349 ppbv
RT: 4.898 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 5494

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.6	172.0#
100	102.7	30.2	45.4#

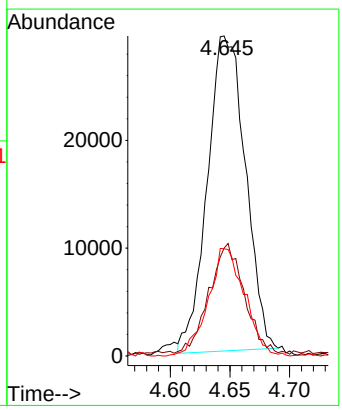


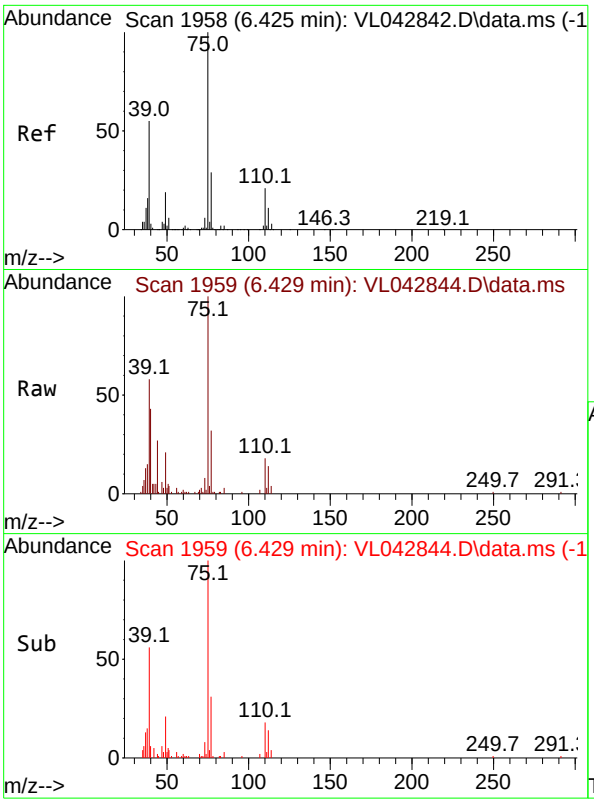


#44
2,2,4-Trimethylpentane
Concen: 1.009 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 57 Resp: 64930

Ion	Ratio	Lower	Upper
57	100		
41	34.6	24.8	37.2
56	33.2	25.5	38.3



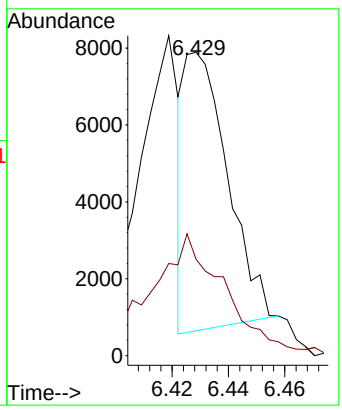


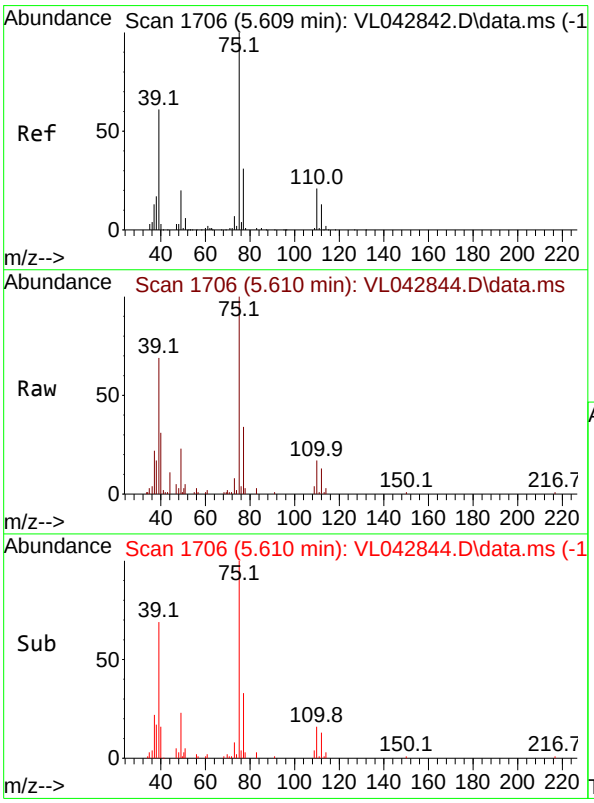
#45
t-1,3-Dichloropropene
Concen: 0.434 ppbv
RT: 6.429 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 7736

Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.8	35.6

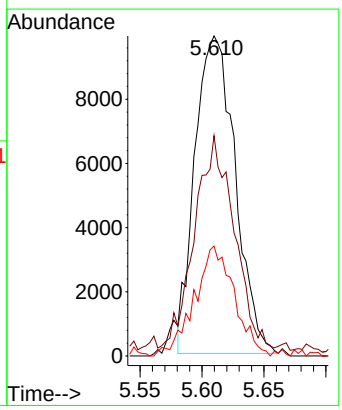


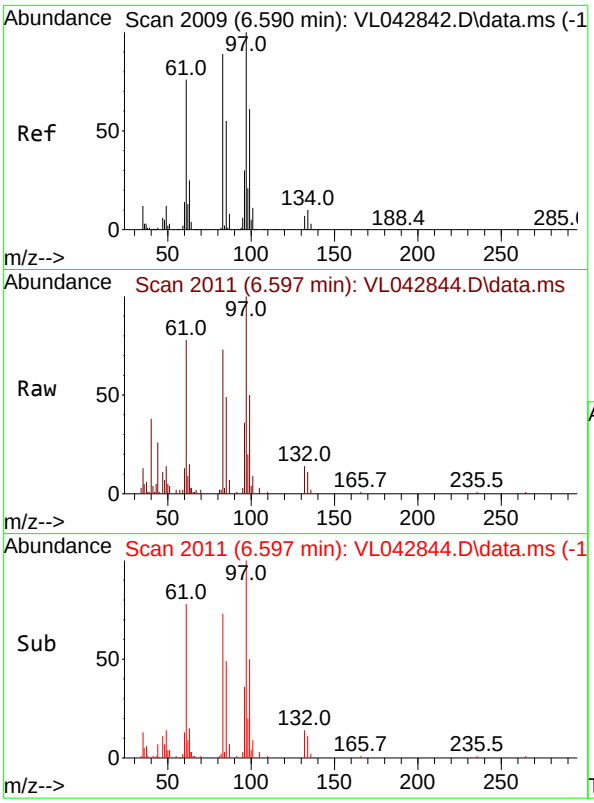


#46
cis-1,3-Dichloropropene
Concen: 0.999 ppbv
RT: 5.610 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 75 Resp: 22372

Ion	Ratio	Lower	Upper
75	100		
39	66.4	48.9	73.3
77	33.8	24.9	37.3



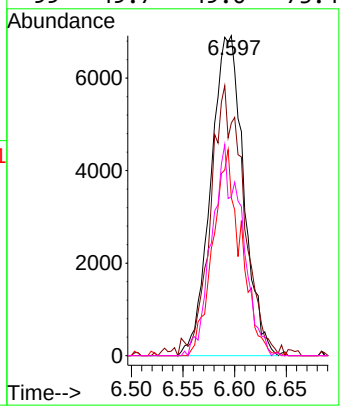


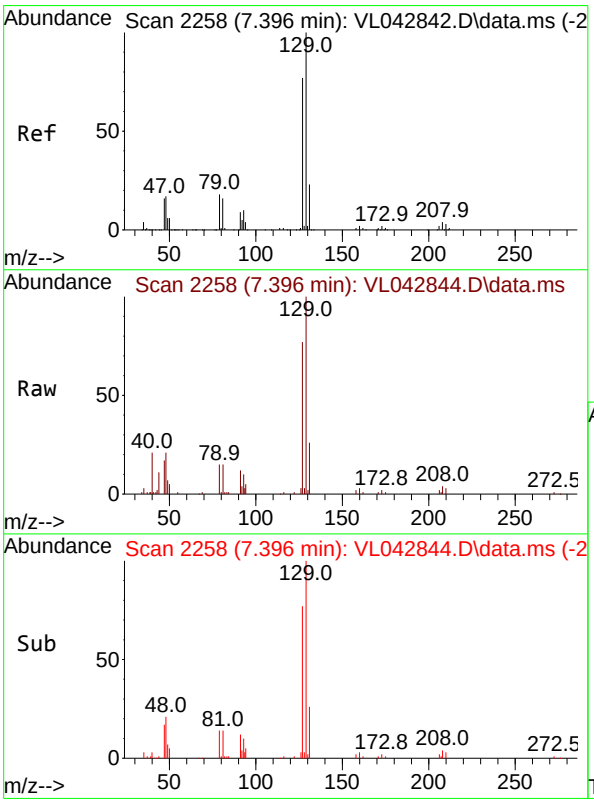
#47
1,1,2-Trichloroethane
Concen: 1.032 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 15295

Ion	Ratio	Lower	Upper
97	100		
83	72.7	71.0	106.4
85	49.4	43.6	65.4
99	49.7	49.0	73.4

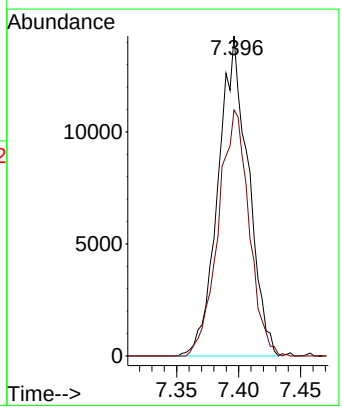


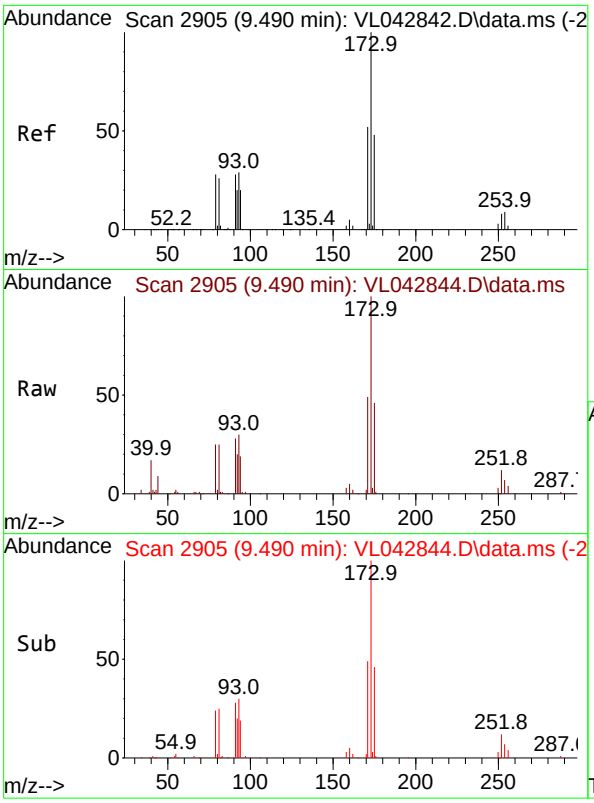


#48
Dibromochloromethane
Concen: 1.009 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:129 Resp: 24214

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2



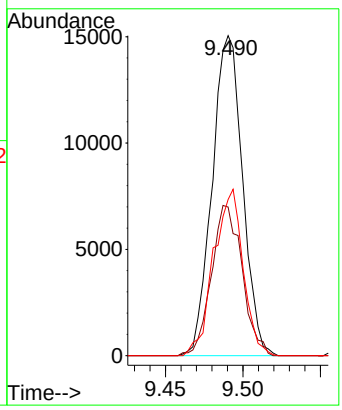


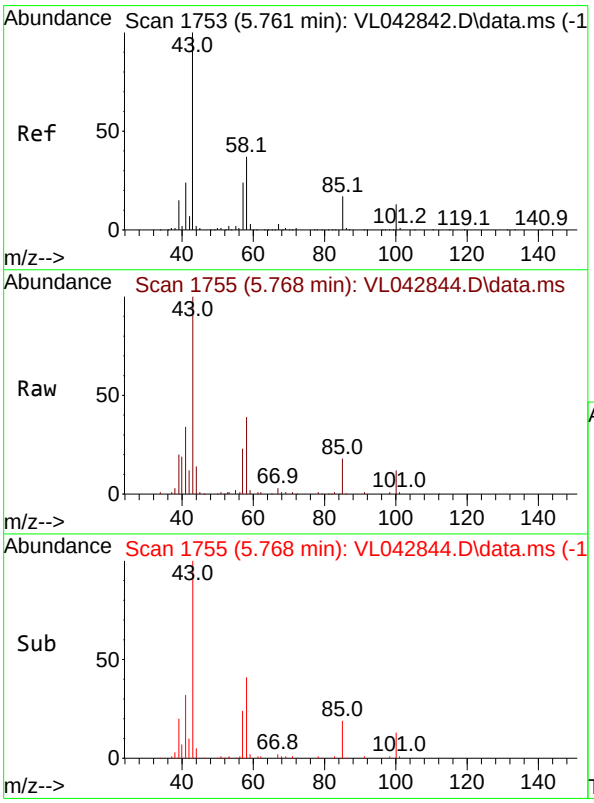
#49
Bromoform
Concen: 1.040 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 20579

Ion	Ratio	Lower	Upper
173	100		
175	47.3	39.2	58.8
171	50.3	41.3	61.9

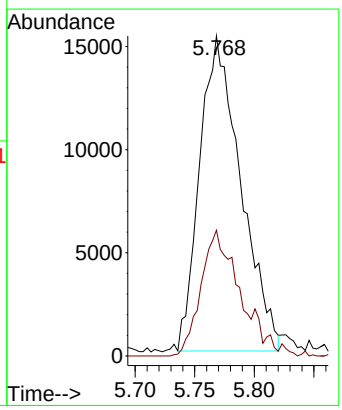


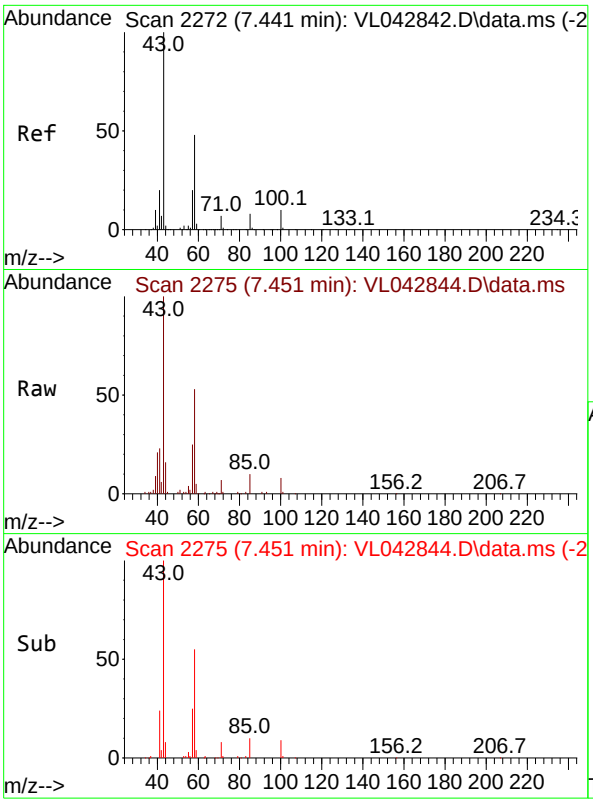


#50
4-Methyl-2-Pentanone
Concen: 1.001 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 36710

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.8	44.8



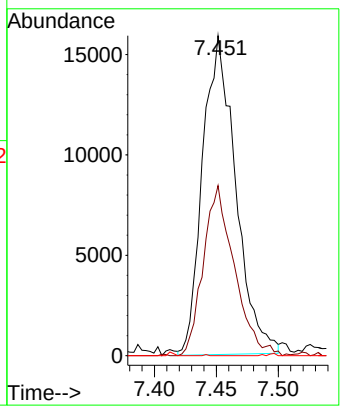


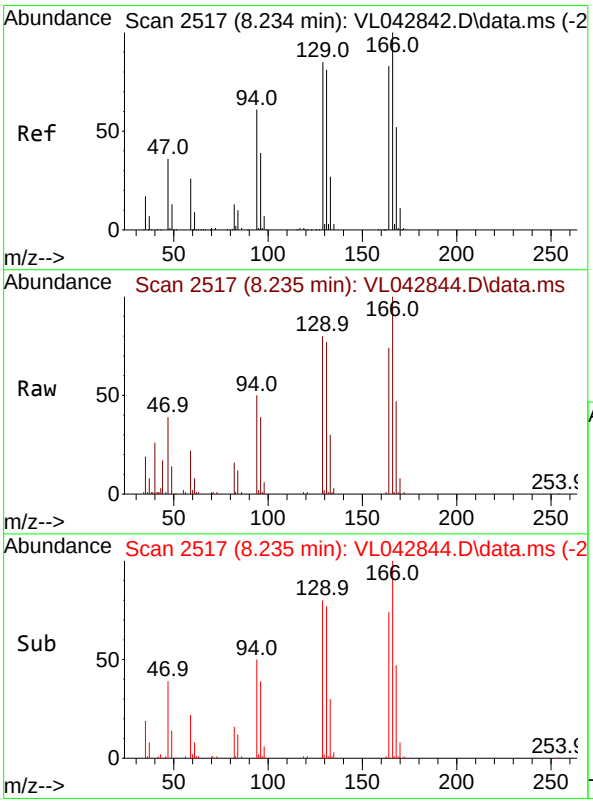
#51
2-Hexanone
Concen: 1.026 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29487

Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.0	61.6
98	0.2	0.1	0.1#

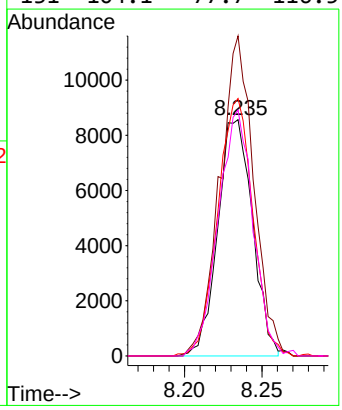


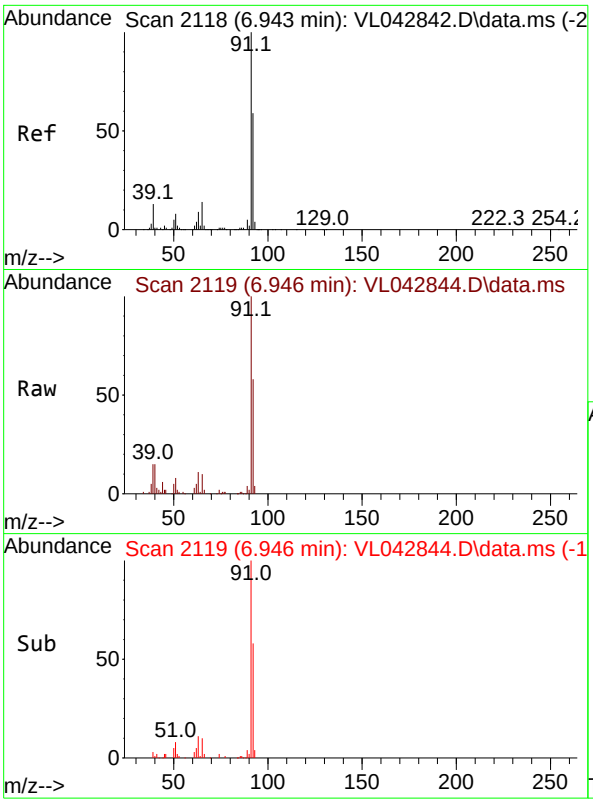


#52
Tetrachloroethene
Concen: 0.960 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:164 Resp: 13322

Ion	Ratio	Lower	Upper
164	100		
166	135.4	96.5	144.7
129	110.5	81.8	122.6
131	104.1	77.7	116.5



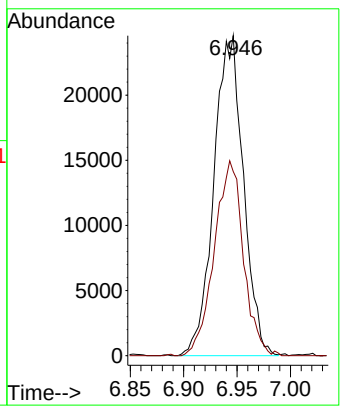


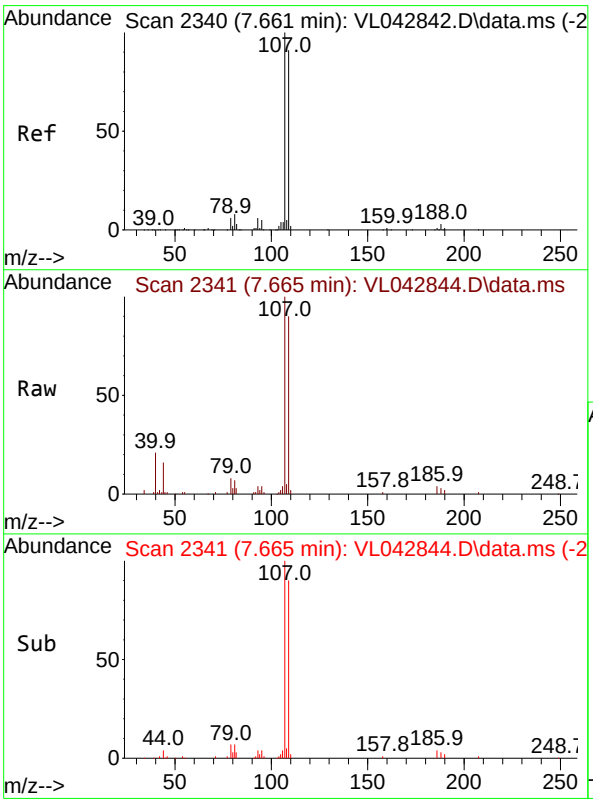
#53
Toluene
Concen: 1.036 ppbv
RT: 6.946 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 47256

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.8	71.6

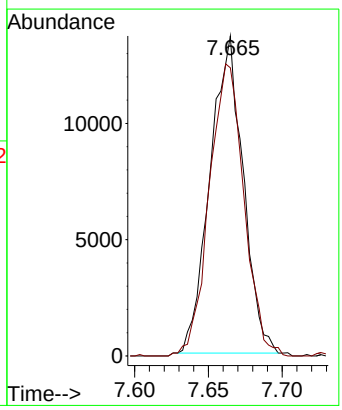


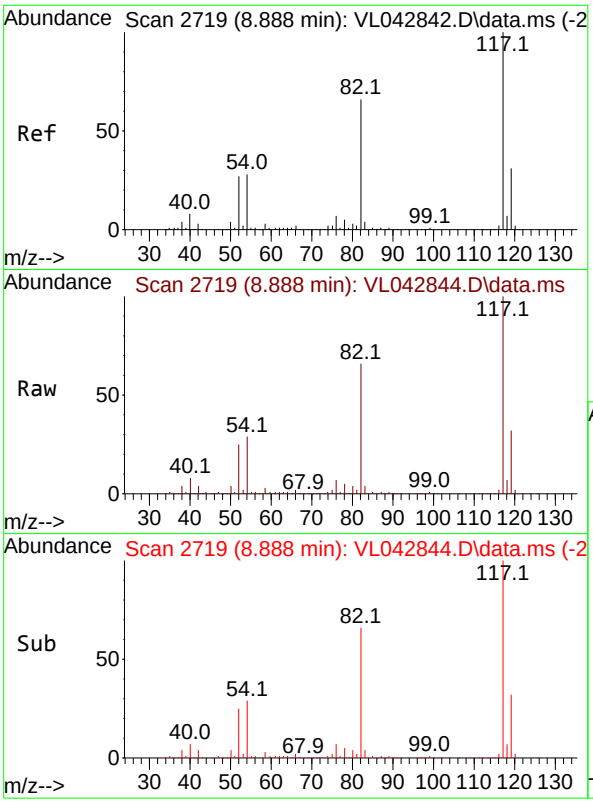


#54
1,2-Dibromoethane
Concen: 0.982 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:107 Resp: 21280

Ion	Ratio	Lower	Upper
107	100		
109	89.9	72.5	108.7



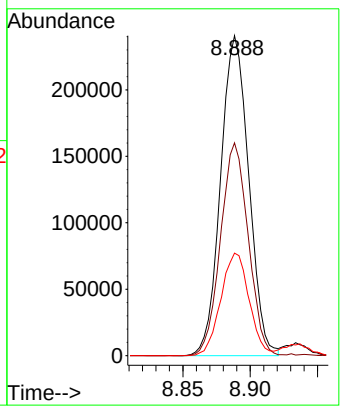


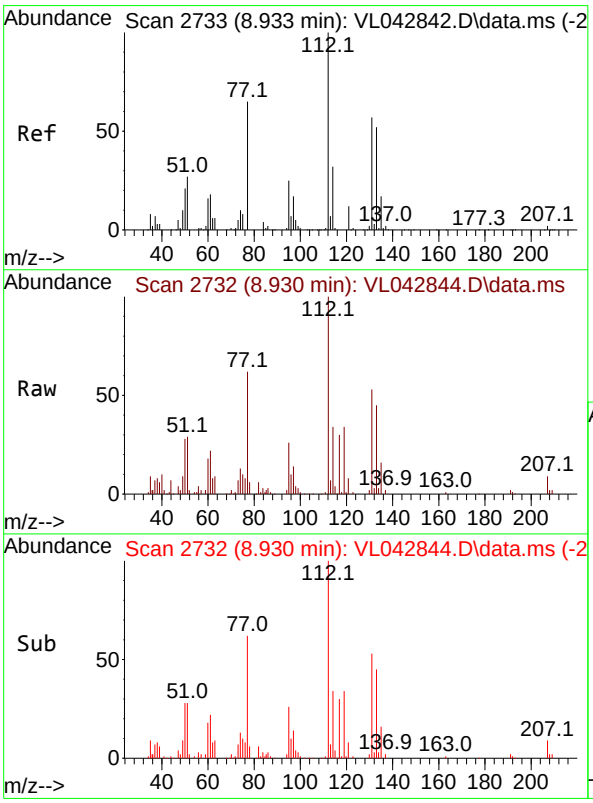
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 349577

Ion	Ratio	Lower	Upper
117	100		
82	65.9	54.6	81.8
119	32.9	25.9	38.9

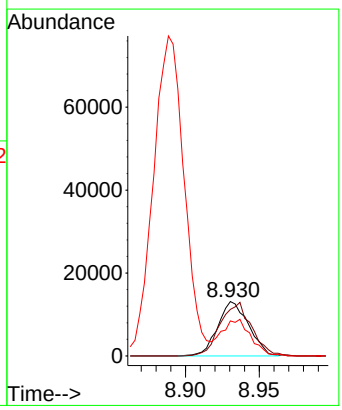


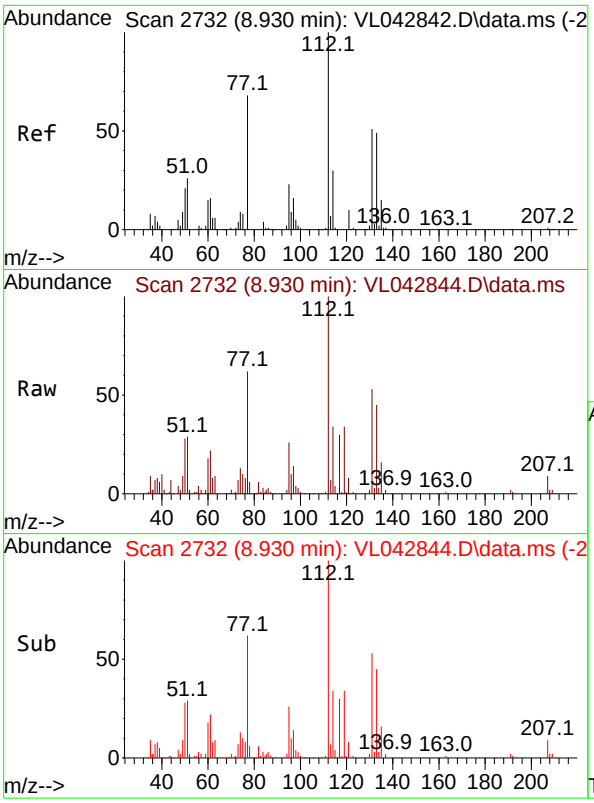


#56
1,1,1,2-Tetrachloroethane
Concen: 1.061 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:131 Resp: 19176

Ion	Ratio	Lower	Upper
131	100		
133	99.8	77.4	116.0
119	59.0	51.2	76.8



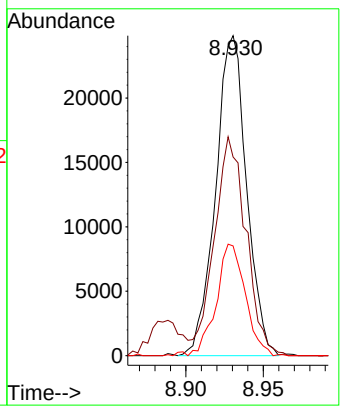


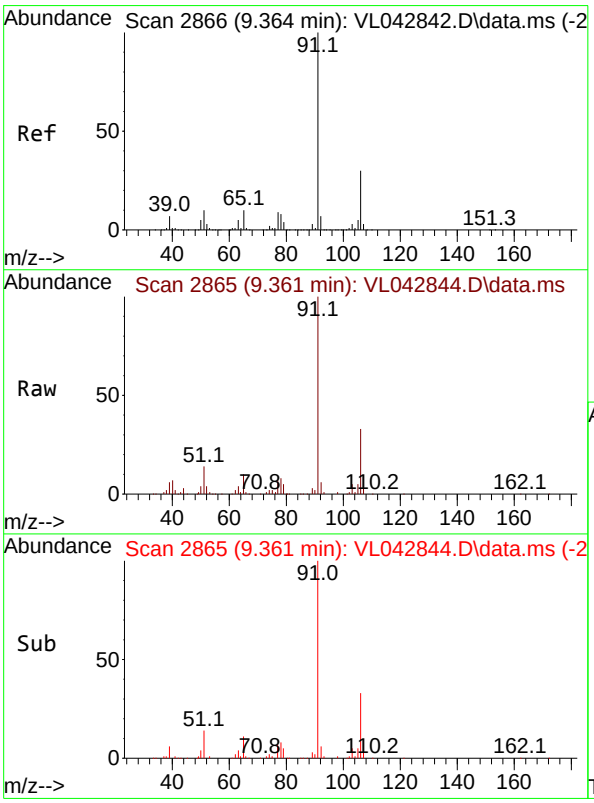
#57
Chlorobenzene
Concen: 1.041 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 34617

Ion	Ratio	Lower	Upper
112	100		
77	61.0	55.5	83.3
114	34.0	27.2	33.2#

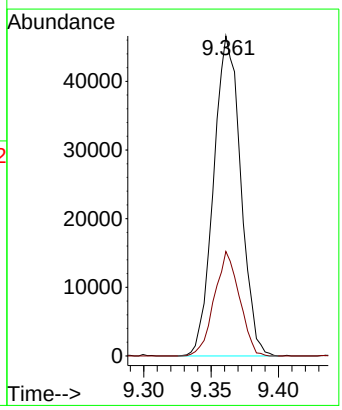


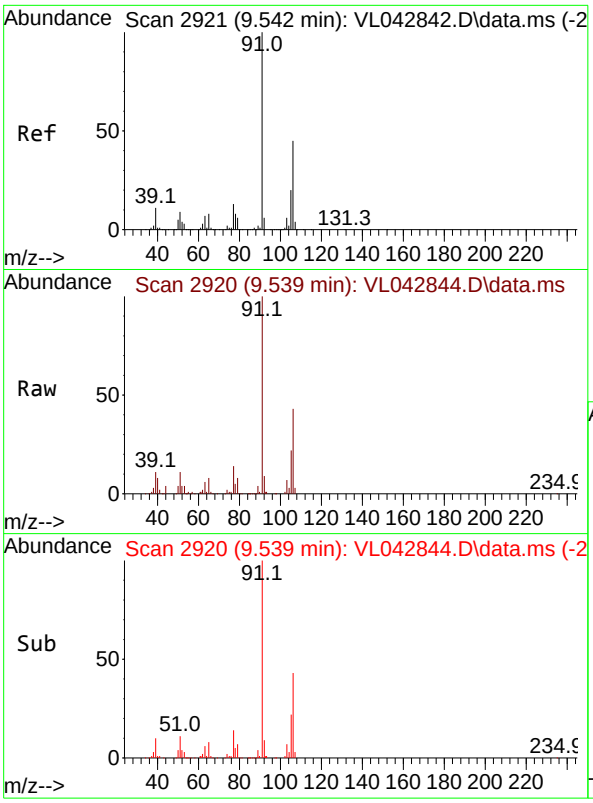


#58
Ethyl Benzene
Concen: 1.057 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 65223

Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.9	35.9



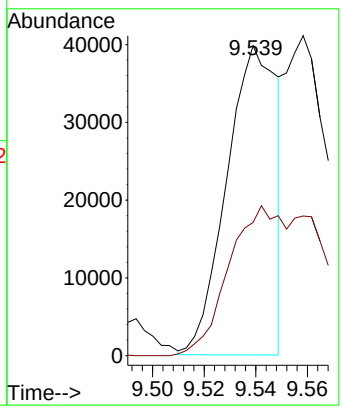


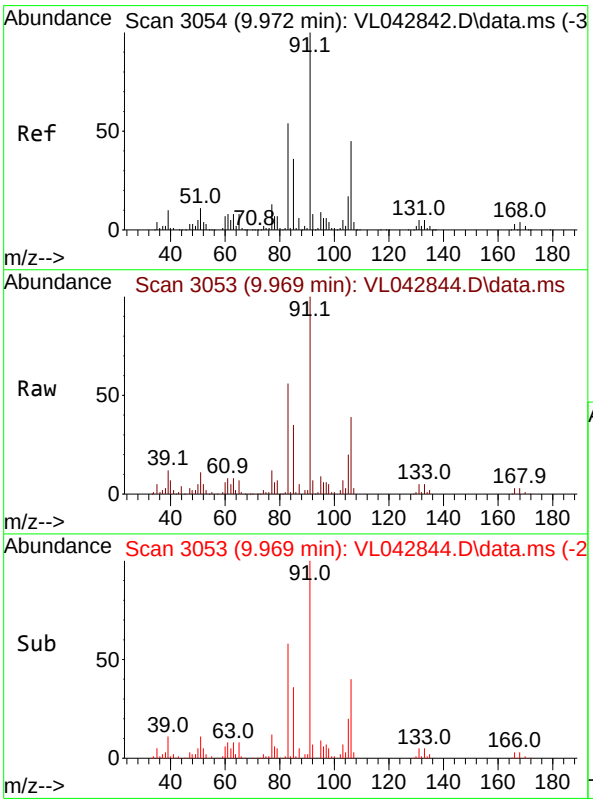
#59
m/p-Xylene
Concen: 1.108 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 53658

Ion	Ratio	Lower	Upper
91	100		
106	88.3	0.0	0.0#

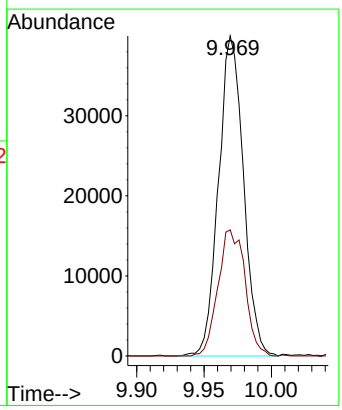


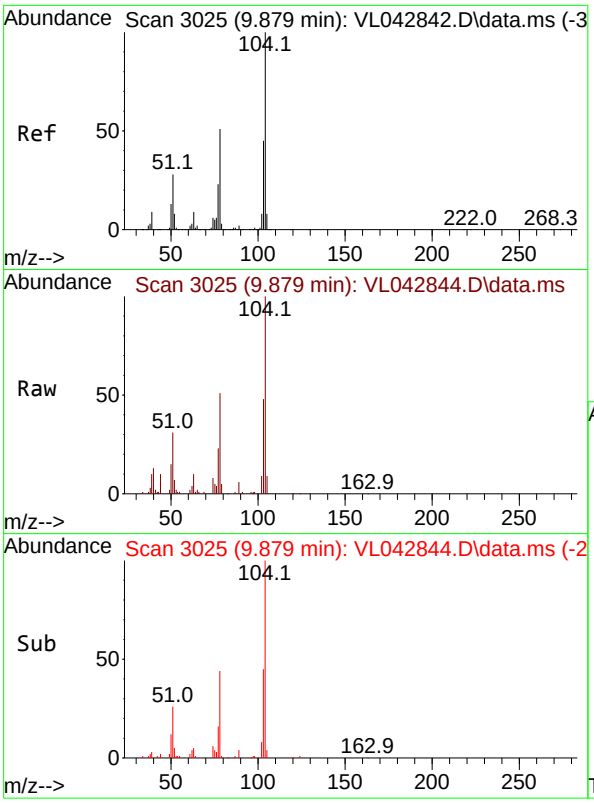


#60
o-Xylene
Concen: 1.058 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 51445

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.8	65.4



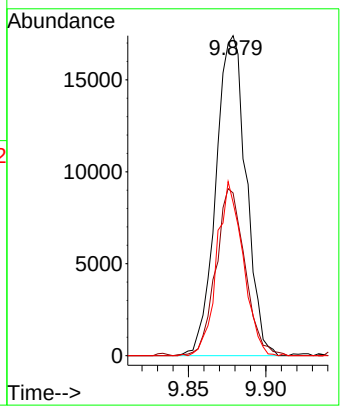


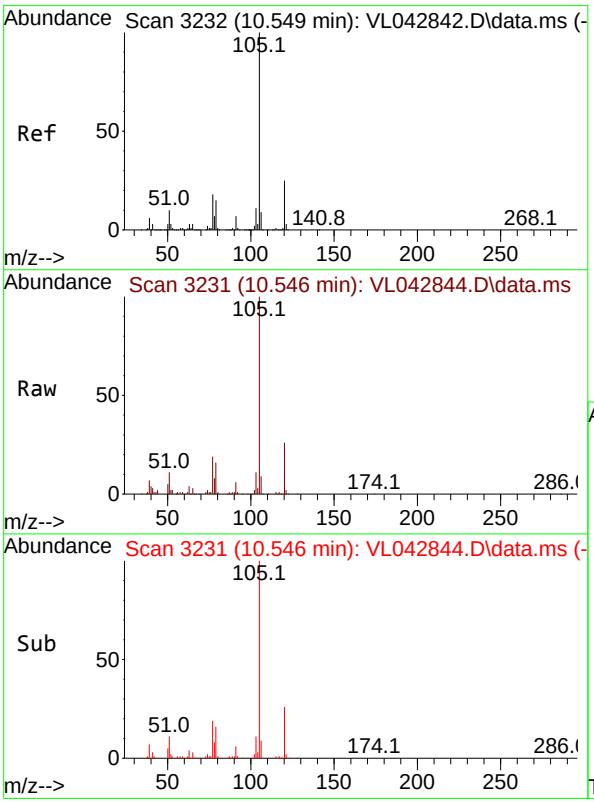
#61
Styrene
Concen: 1.038 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 23660

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.6	61.0
103	47.3	37.7	56.5

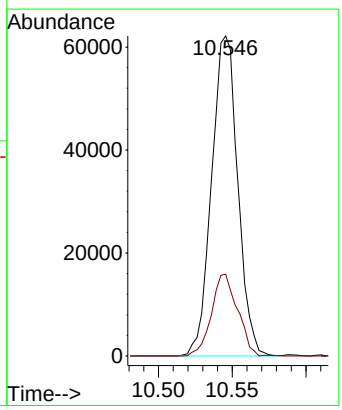


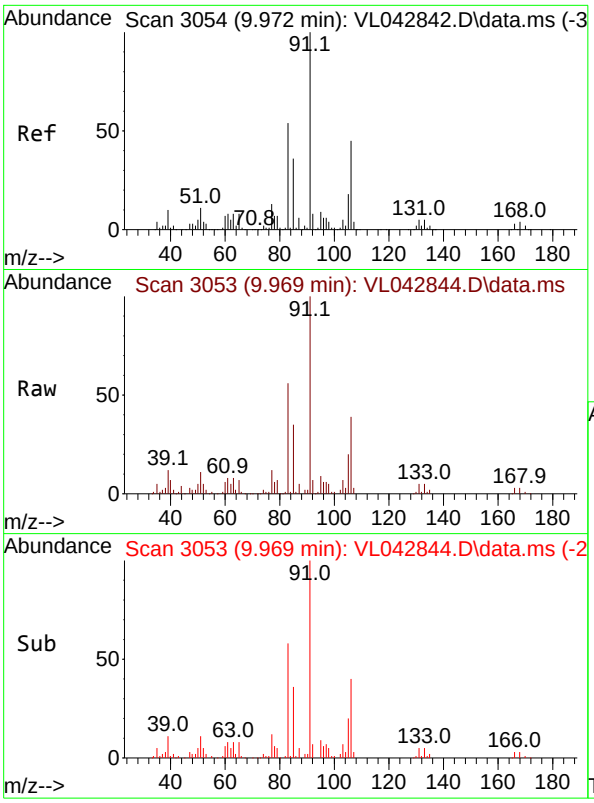


#62
Isopropylbenzene
Concen: 1.079 ppbv
RT: 10.546 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 76708

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	30.8



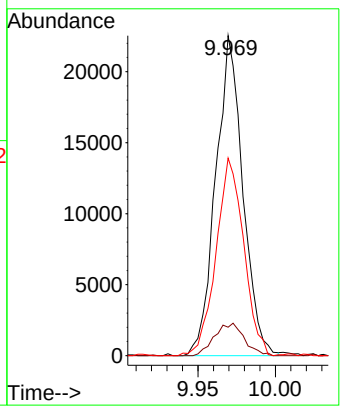


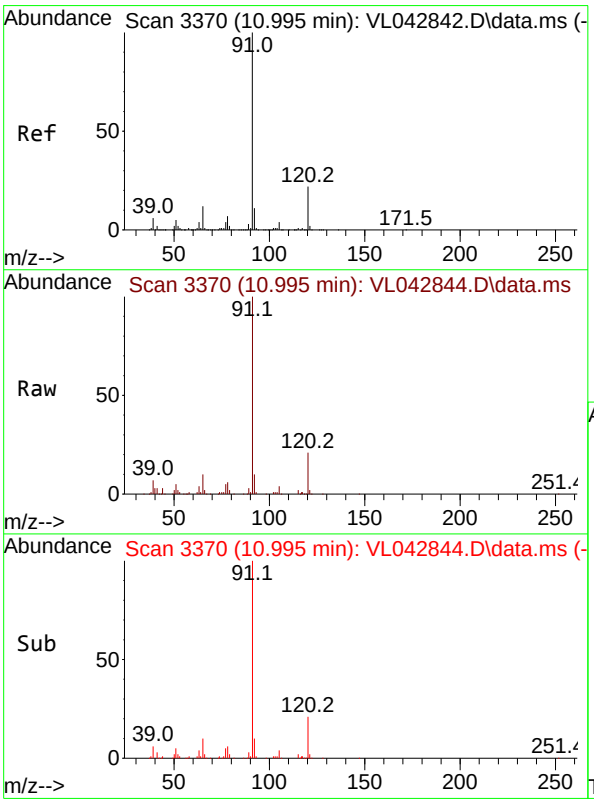
#63
1,1,2,2-Tetrachloroethane
Concen: 1.032 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 27410

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.8	14.3
85	63.5	32.3	96.8

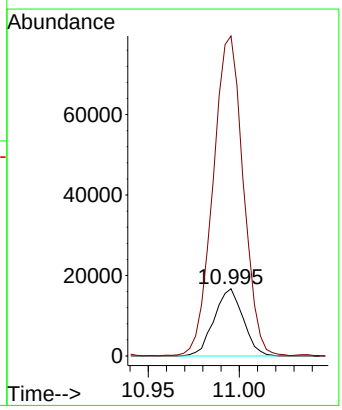


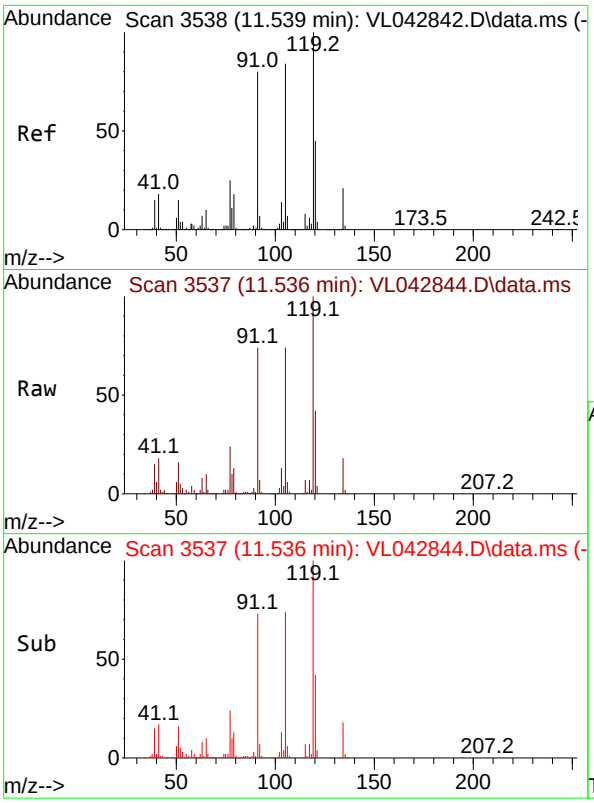


#64
n-propylbenzene
Concen: 1.018 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:120 Resp: 18462

Ion	Ratio	Lower	Upper
120	100		
91	496.0	375.8	563.6



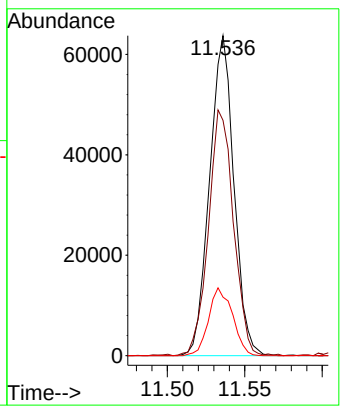


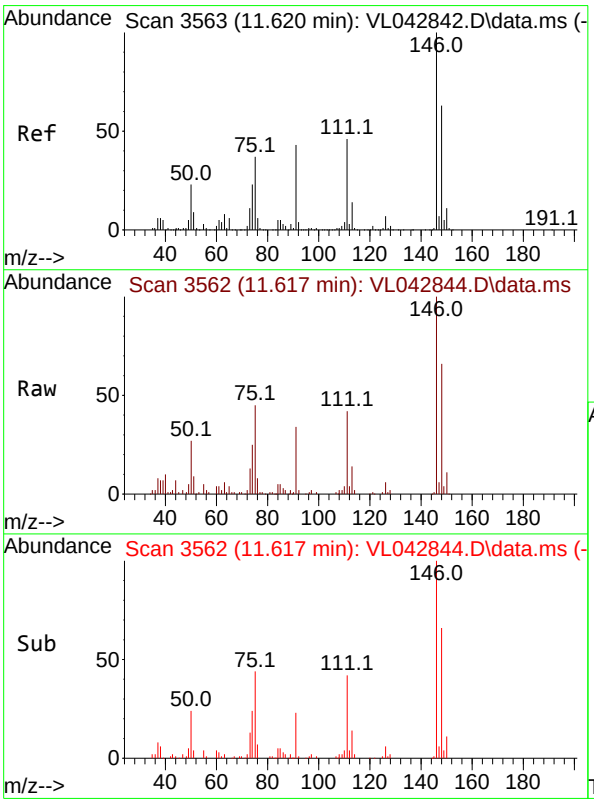
#65
tert-Butylbenzene
Concen: 1.111 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 69617

Ion	Ratio	Lower	Upper
119	100		
91	79.3	63.9	95.9
134	20.9	17.0	25.4

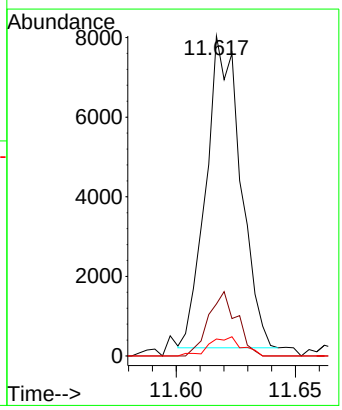


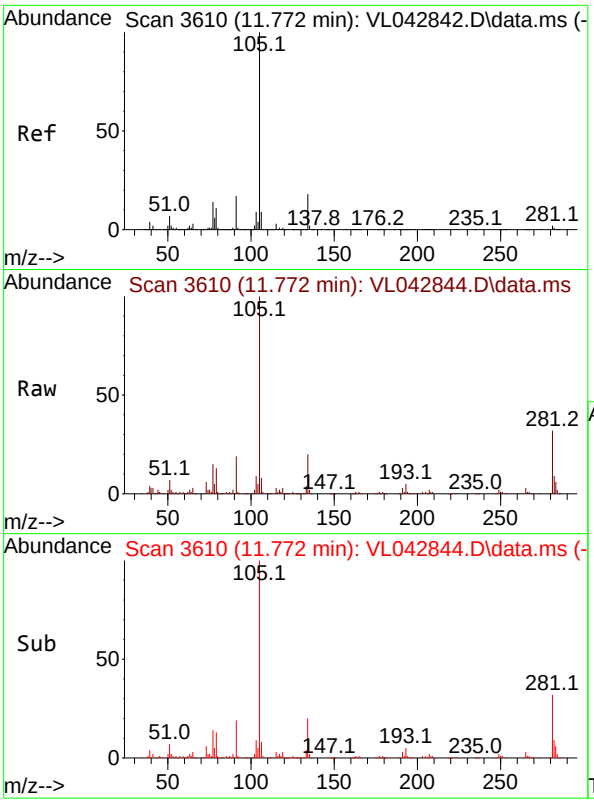


#66
Benzyl Chloride
Concen: 0.993 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 7900

Ion	Ratio	Lower	Upper
91	100		
126	16.9	14.2	21.4
128	5.8	5.0	7.6



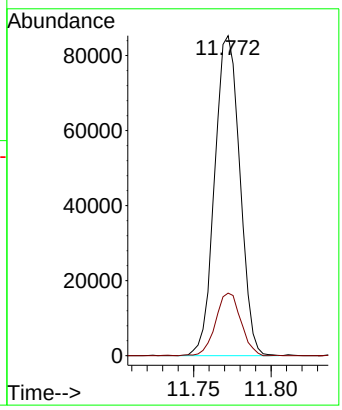


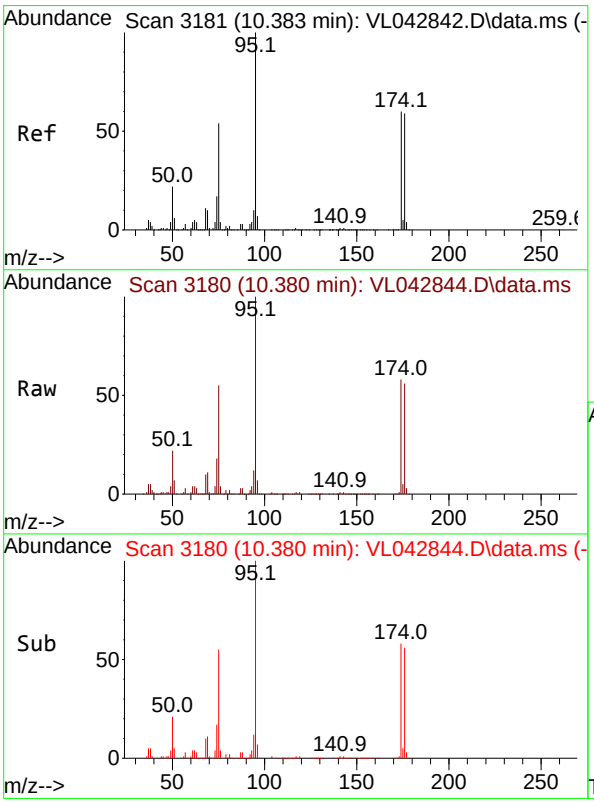
#67
sec-Butylbenzene
Concen: 1.095 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 96288

Ion	Ratio	Lower	Upper
105	100		
134	19.7	14.9	22.3

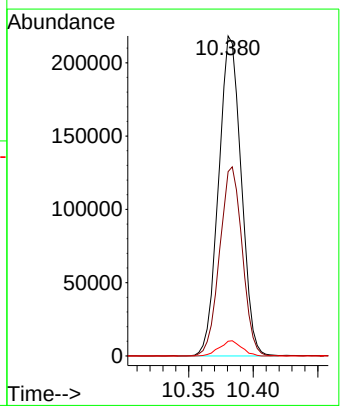


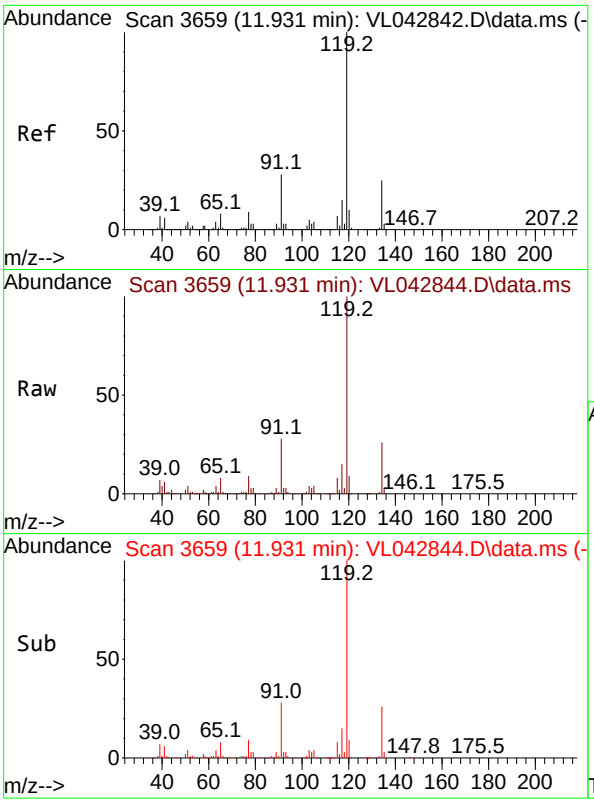


#68
1-Bromo-4-Fluorobenzene
Concen: 10.135 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 95 Resp: 265708

Ion	Ratio	Lower	Upper
95	100		
174	59.1	48.4	72.6
175	4.7	3.8	5.8



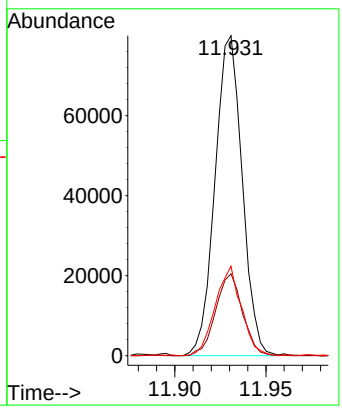


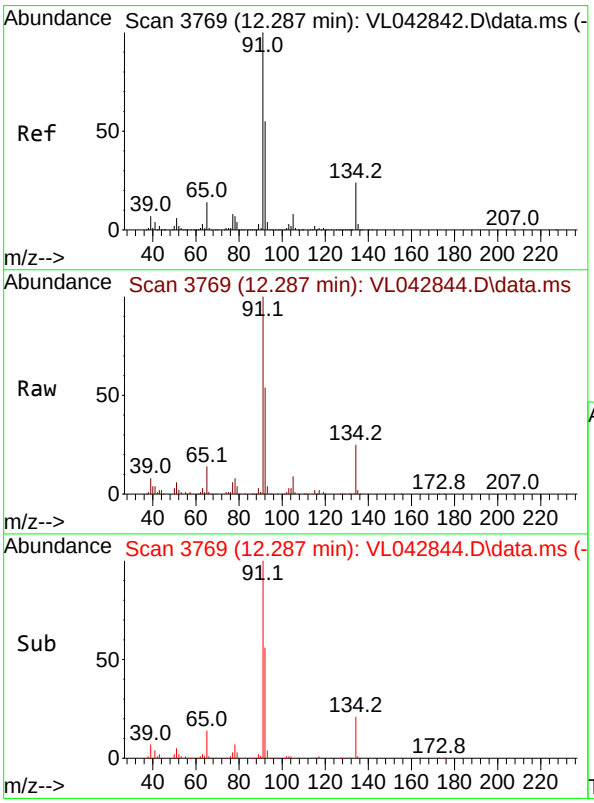
#69
p-Isopropyltoluene
Concen: 1.098 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 82934

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	27.2	22.6	34.0

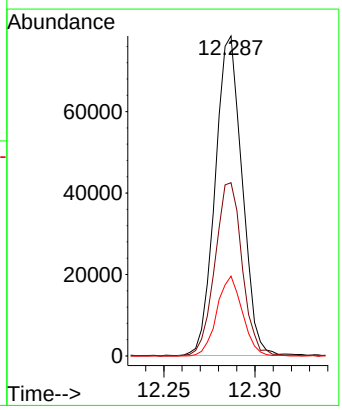


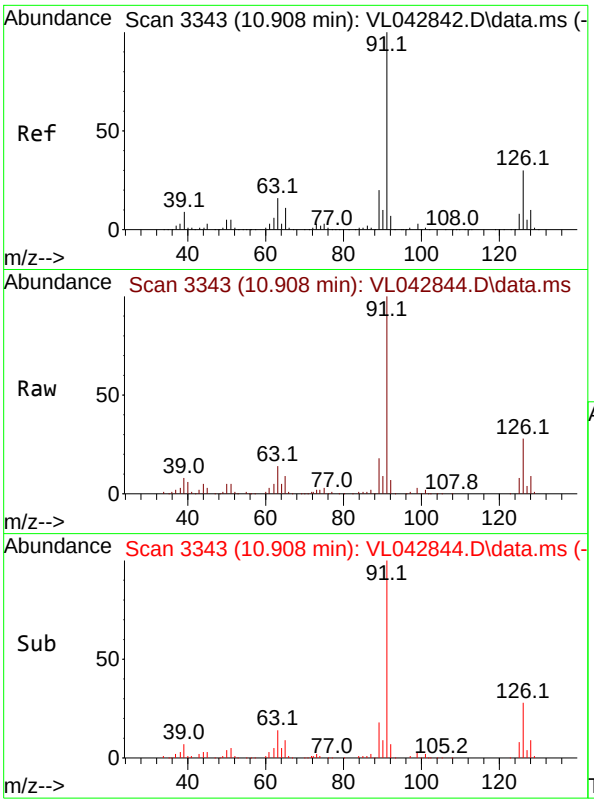


#70
n-Butylbenzene
Concen: 1.075 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 80511

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	23.7	19.0	28.4



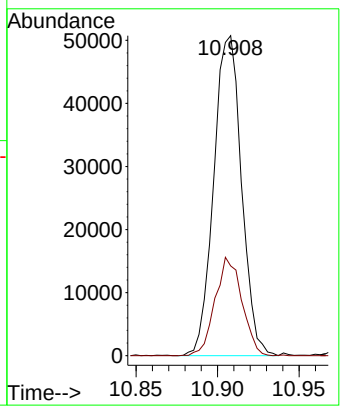


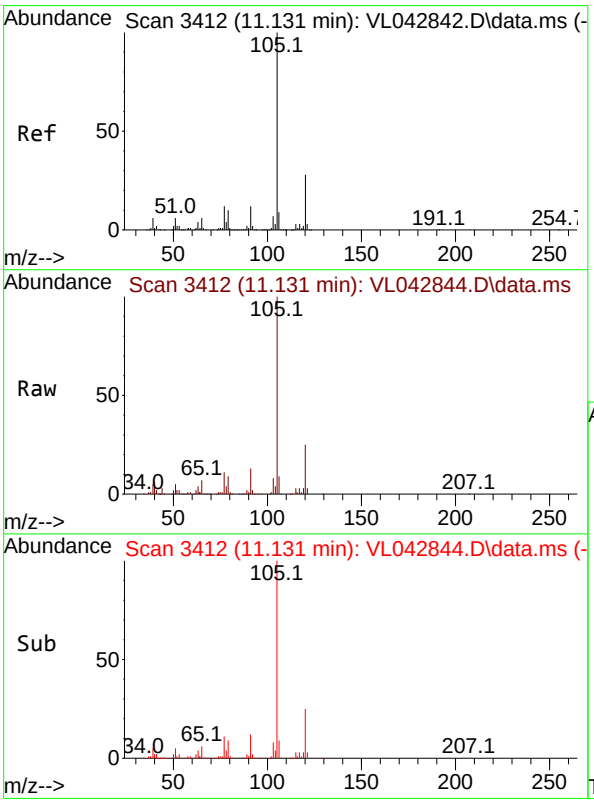
#71
2-Chlorotoluene
Concen: 1.089 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 60086

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	47.8

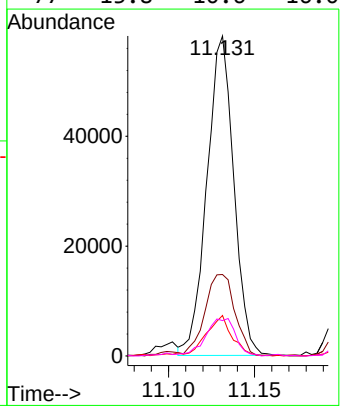


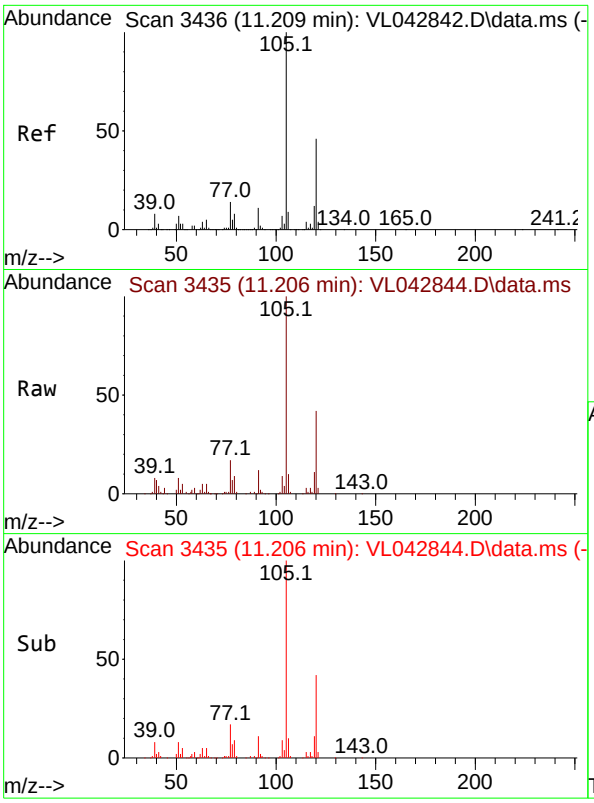


#72
4-Ethyltoluene
Concen: 1.071 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 63147

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.4	35.2
91	13.0	9.8	14.6
77	13.8	10.6	16.0



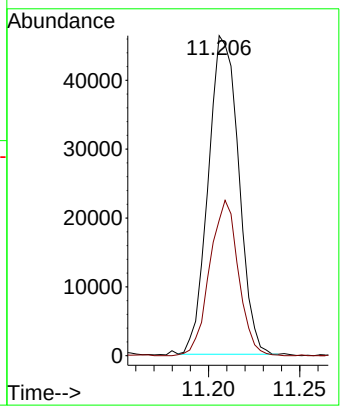


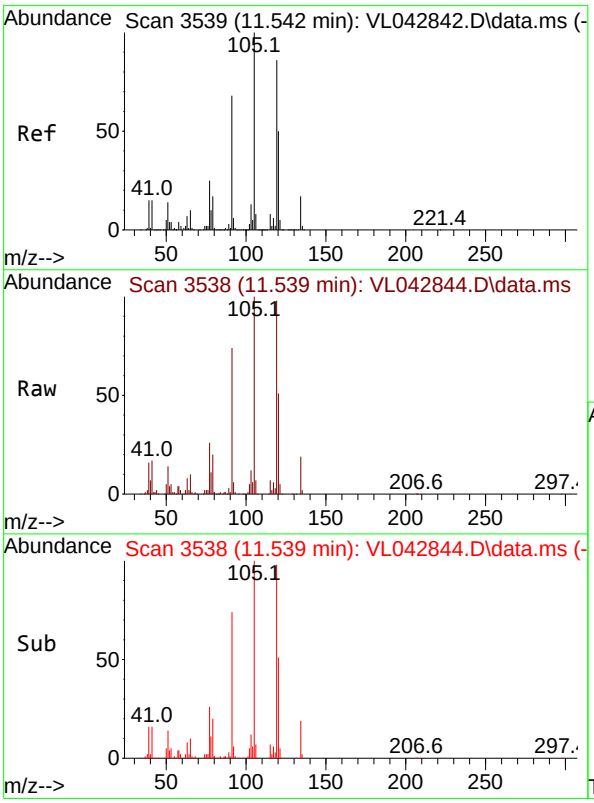
#73
1,3,5-Trimethylbenzene
Concen: 1.070 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 53676

Ion	Ratio	Lower	Upper
105	100		
120	42.3	36.6	54.8

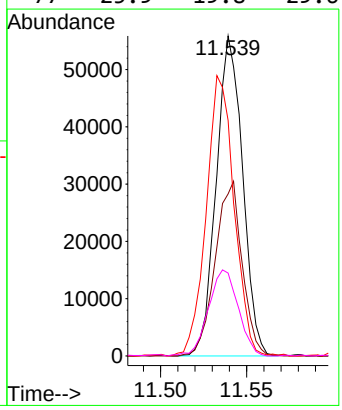


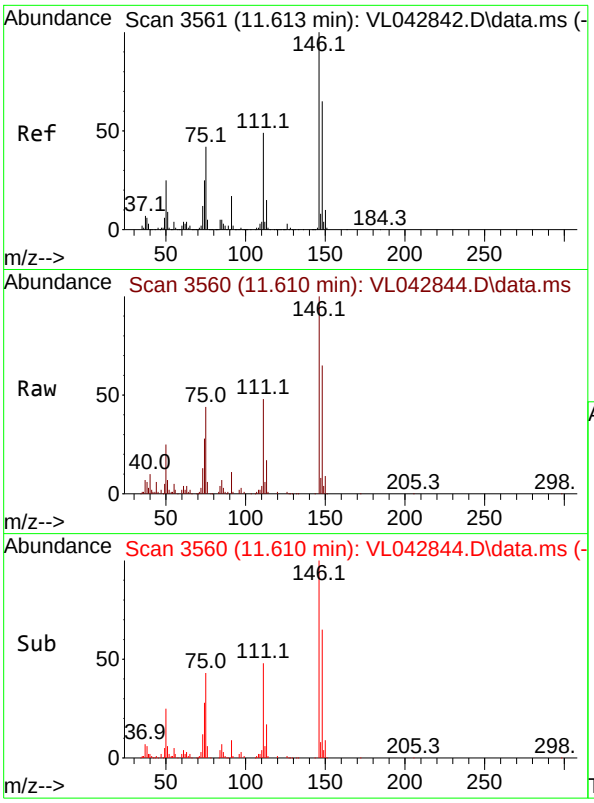


#74
1,2,4-Trimethylbenzene
Concen: 1.083 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 59633

Ion	Ratio	Lower	Upper
105	100		
120	50.7	39.8	59.6
91	73.3	54.2	81.4
77	25.9	19.8	29.6



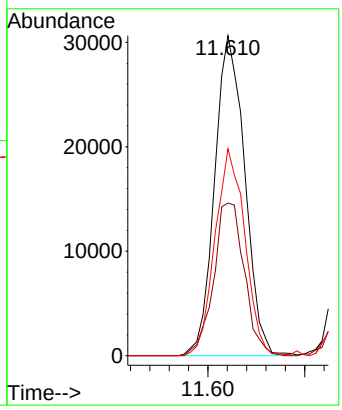


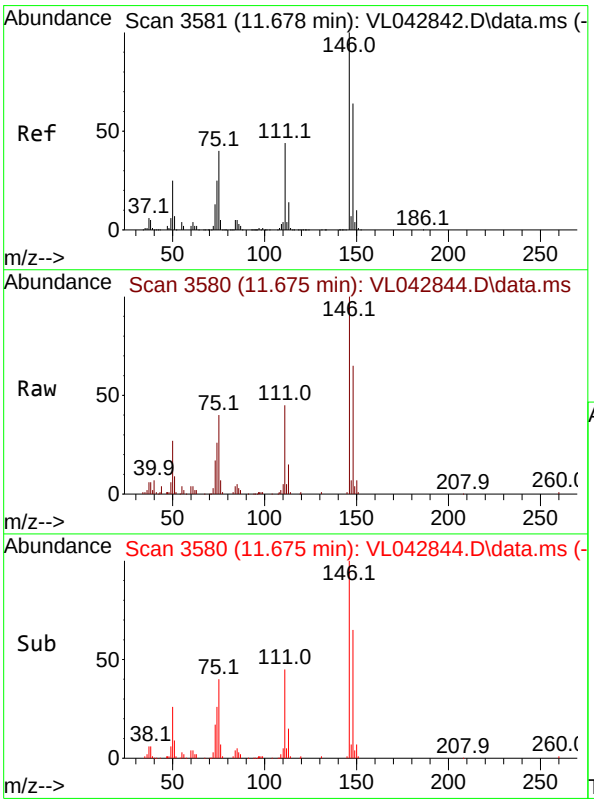
#75
1,3-Dichlorobenzene
Concen: 1.057 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 33061

Ion	Ratio	Lower	Upper
146	100		
111	48.6	23.9	71.7
148	64.1	31.4	94.0

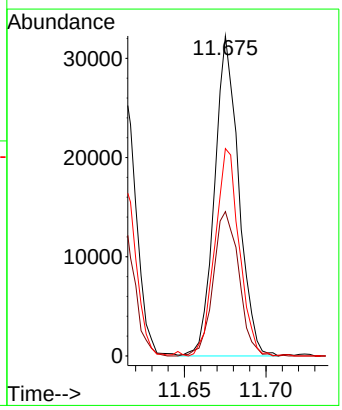


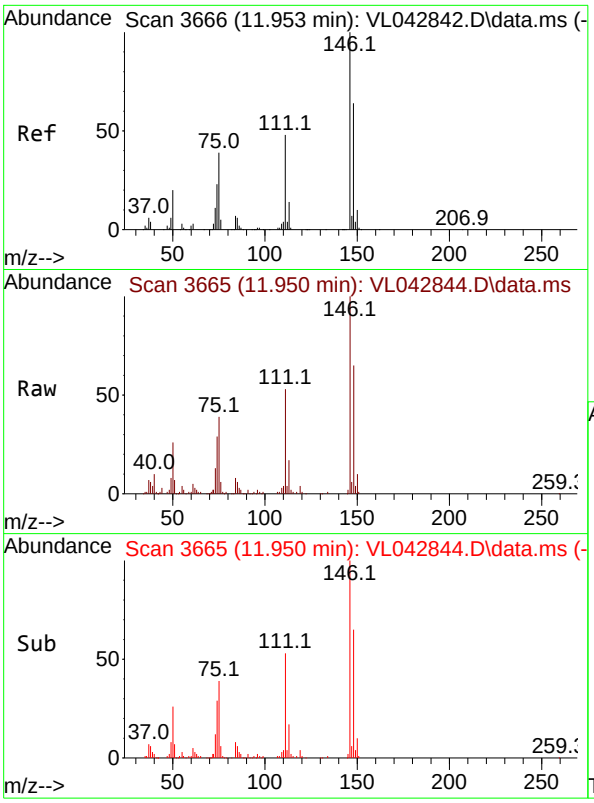


#76
1,4-Dichlorobenzene
Concen: 1.045 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:146 Resp: 33064

Ion	Ratio	Lower	Upper
146	100		
111	48.1	22.7	68.1
148	66.0	31.8	95.3



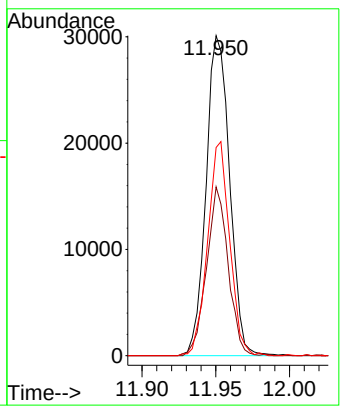


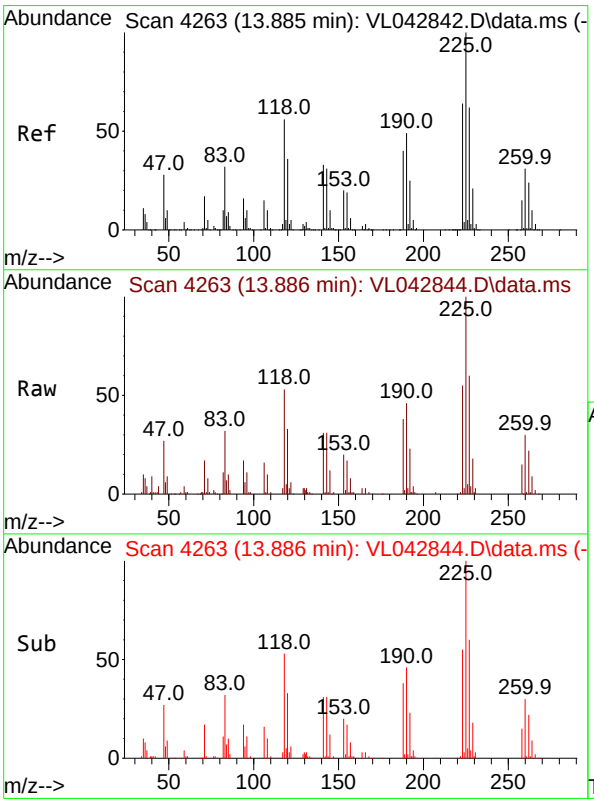
#77
1,2-Dichlorobenzene
Concen: 1.090 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 33404

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.6	74.0
148	62.7	32.0	96.0

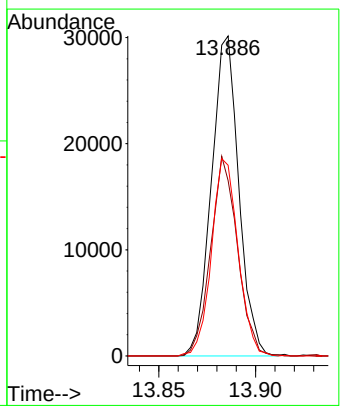


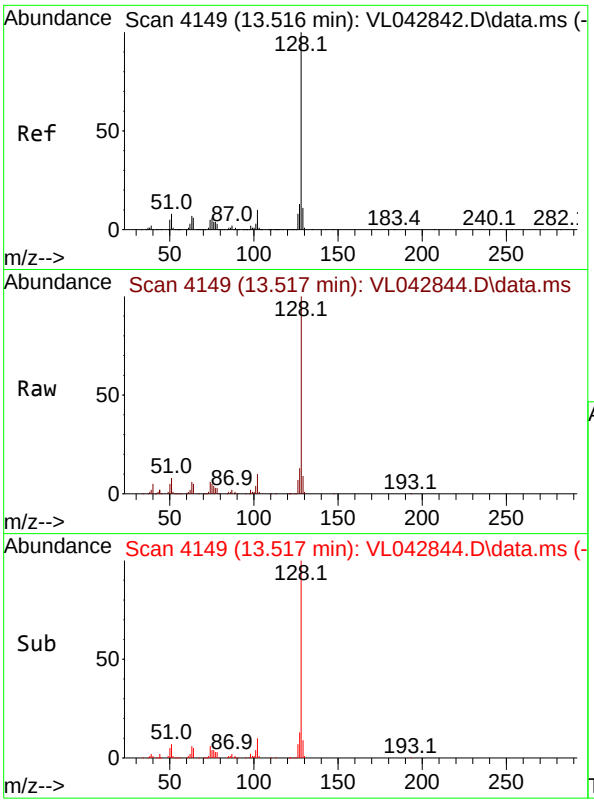


#78
Hexachloro-1,3-Butadiene
Concen: 1.177 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:225 Resp: 29555

Ion	Ratio	Lower	Upper
225	100		
223	61.2	51.4	77.2
227	60.0	51.9	77.9



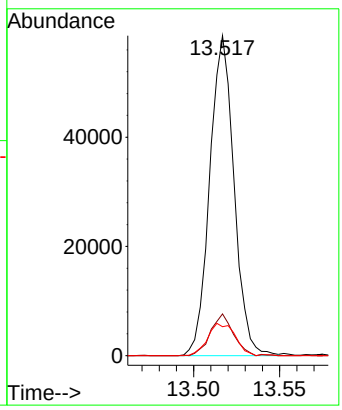


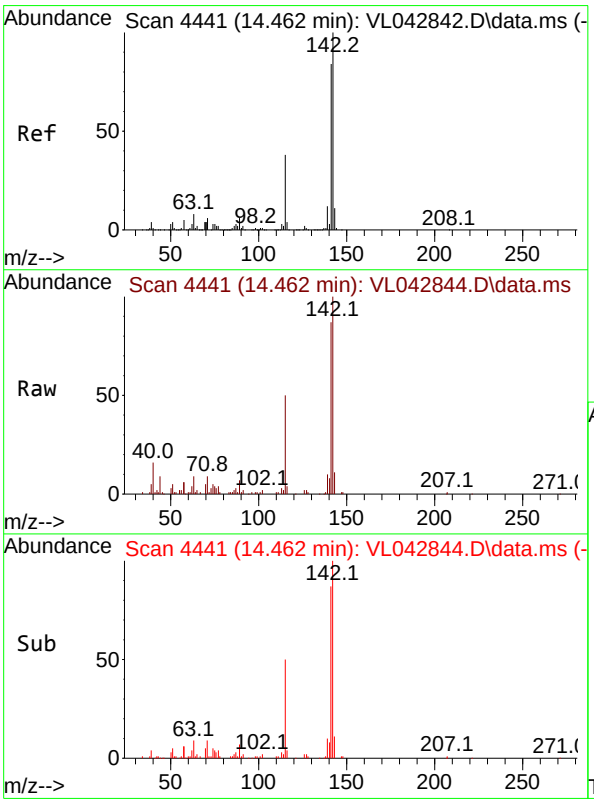
#79
Naphthalene
Concen: 1.169 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 57580

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	9.1	8.9	13.3

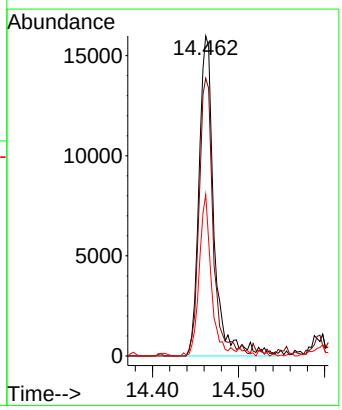


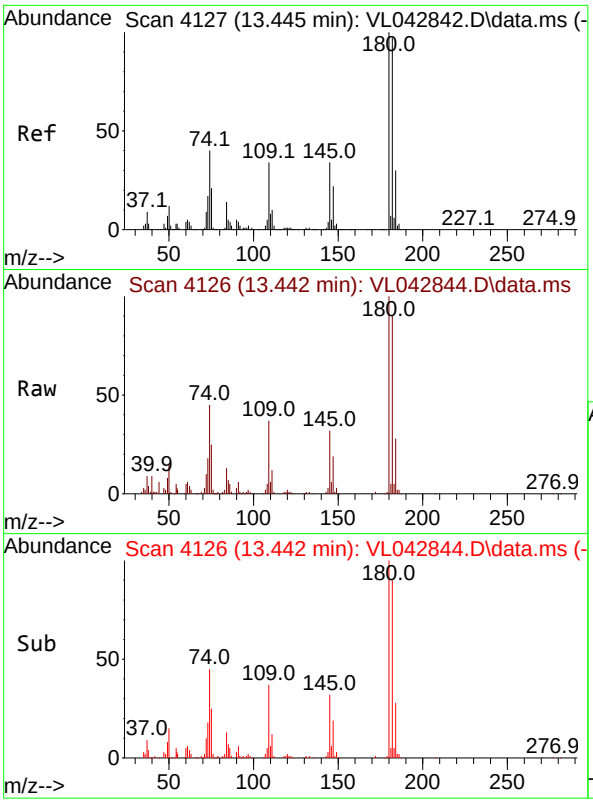


#80
Naphthalene,2-methyl-
Concen: 1.045 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:142 Resp: 19375

Ion	Ratio	Lower	Upper
142	100		
141	81.6	67.0	100.6
115	43.2	30.9	46.3



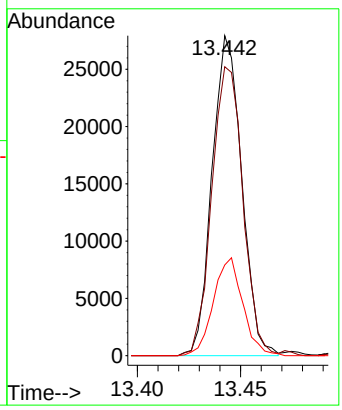


#81
1,2,4-Trichlorobenzene
Concen: 1.111 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 27861

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
184	30.3	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	126879	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	396264	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.895	117	348005	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	262663	10.064	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9937	0.534	ppbv		100
3) Chlorodifluoromethane	1.479	51	11115	0.540	ppbv		96
4) Chloromethane	1.538	50	4112	0.548	ppbv		90
5) Vinyl Chloride	1.586	62	3762	0.509	ppbv		94
6) Bromomethane	1.674	94	1576	0.533	ppbv		82
7) Chloroethane	1.709	64	1690	0.586	ppbv	#	85
8) Dichlorotetrafluoroethane	1.557	85	8079	0.531	ppbv		95
9) Propene	1.489	41	5225	0.589	ppbv		91
10) Heptane	4.998	43	12747	0.537	ppbv		93
11) Trichlorofluoromethane	1.884	101	10238	0.558	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7984	0.546	ppbv		98
13) Ethanol	1.725	45	562	0.639	ppbv	#	1
14) Bromoethene	1.787	108	2932	0.554	ppbv	#	85
15) Acetone	1.842	43	10836	0.646	ppbv		98
16) 1,3-Butadiene	1.612	39	4970	0.653	ppbv		99
17) tert-Butyl alcohol	2.049	59	12182	0.612	ppbv	#	89
18) 1,1-Dichloroethene	2.039	96	3501	0.545	ppbv		92
19) Isopropyl Alcohol	1.891	45	6194	0.618	ppbv	#	56
20) Methylene Chloride	2.069	84	5025	0.715	ppbv		90
21) Allyl Chloride	2.104	41	7120	0.600	ppbv	#	76
22) trans-1,2-Dichloroethene	2.350	96	3996	0.556	ppbv		96
23) Vinyl Acetate	2.470	43	13709	0.621	ppbv	#	98
24) 1,1-Dichloroethane	2.418	63	8354	0.562	ppbv	#	96
25) Ethyl Acetate	2.845	43	22148	0.545	ppbv	#	96
26) Hexane	2.832	57	9879	0.527	ppbv		85
27) Carbon Disulfide	2.156	76	9539	0.523	ppbv	#	1
28) Methyl tert-Butyl Ether	2.447	73	5284	0.553	ppbv	#	62
29) Chloroform	2.858	83	14586	0.545	ppbv		100
30) Cyclohexane	3.868	84	9037	0.550	ppbv		94
31) cis-1,2-Dichloroethene	2.729	61	10308	0.550	ppbv	#	86
32) 1,1,1-Trichloroethane	3.379	97	14011	0.494	ppbv		97
34) 2-Butanone	2.567	43	14923	0.558	ppbv		100
35) Carbon Tetrachloride	3.774	117	13507	0.494	ppbv		97
36) Benzene	3.671	78	20073	0.529	ppbv		98
37) 1,2-Dichloroethane	3.230	62	10141	0.512	ppbv	#	93
38) Trichloroethene	4.564	130	9918	0.572	ppbv	#	88
39) 1,2-Dichloropropane	4.334	63	7491	0.541	ppbv		86
40) 1,4-Dioxane	4.613	88	2065	0.318	ppbv	#	1
41) Tetrahydrofuran	3.072	42	7827	0.525	ppbv		93
42) Bromodichloromethane	4.509	83	15580	0.527	ppbv	#	94
43) Methyl Methacrylate	4.897	69	7529	0.484	ppbv		89
44) 2,2,4-Trimethylpentane	4.651	57	16770	0.263	ppbv	#	40
45) t-1,3-Dichloropropene	6.435	75	5507	0.312	ppbv		90

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

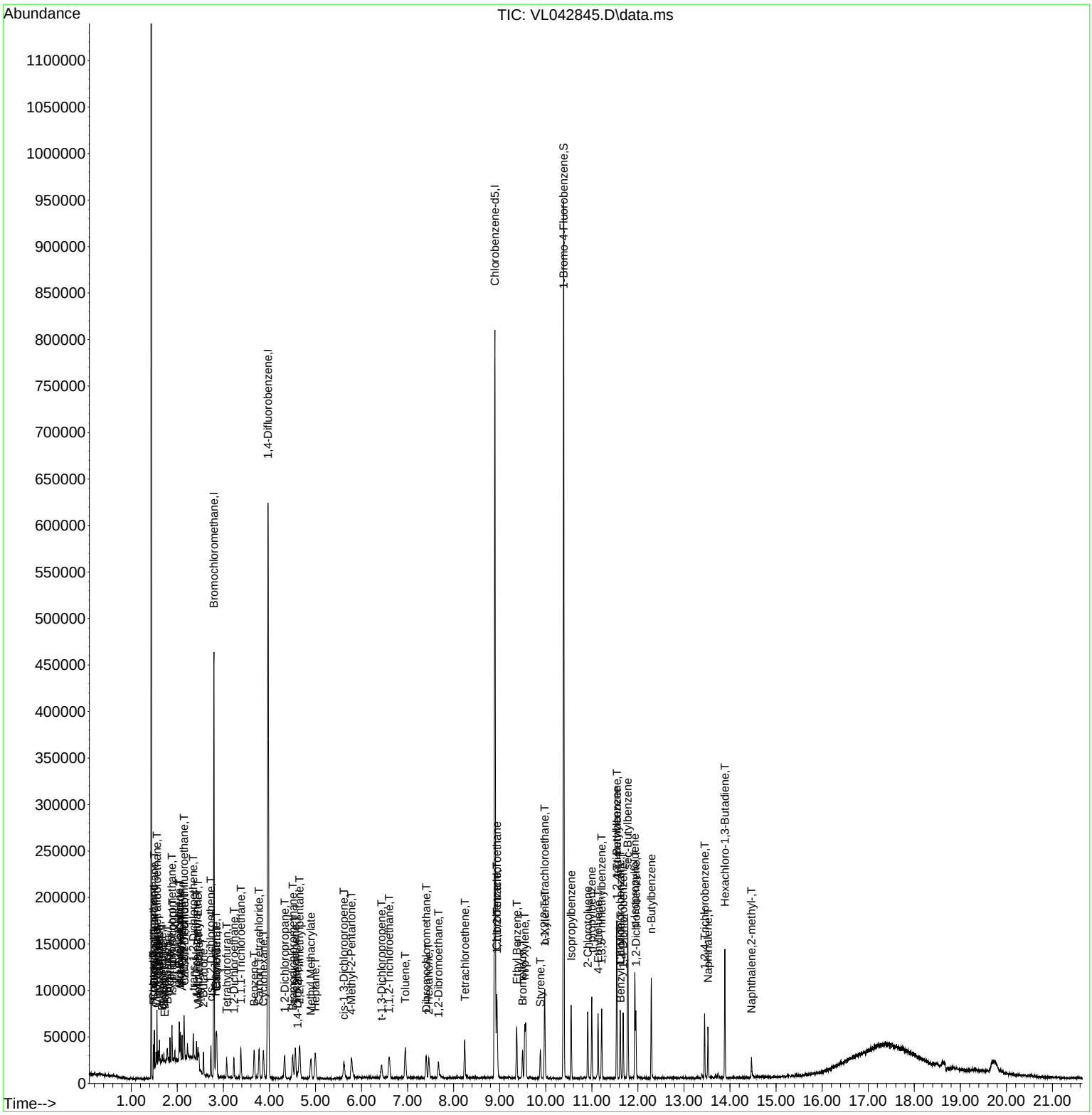
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	4895	0.221	ppbv		89
47) 1,1,2-Trichloroethane	6.597	97	3140	0.214	ppbv		90
48) Dibromochloromethane	7.406	129	11805	0.497	ppbv		100
49) Bromoform	9.497	173	9232	0.471	ppbv		95
50) 4-Methyl-2-Pentanone	5.778	43	11657	0.321	ppbv	#	52
51) 2-Hexanone	7.458	43	14329	0.503	ppbv	#	99
52) Tetrachloroethene	8.244	164	7304	0.531	ppbv	#	87
53) Toluene	6.949	91	14358	0.318	ppbv	#	41
54) 1,2-Dibromoethane	7.668	107	10873	0.507	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.940	131	9300	0.517	ppbv	#	1
57) Chlorobenzene	8.937	112	17845	0.539	ppbv	#	96
58) Ethyl Benzene	9.370	91	32261	0.525	ppbv		99
59) m/p-Xylene	9.542	91	27059	0.561	ppbv	#	100
60) o-Xylene	9.979	91	26662	0.551	ppbv		100
61) Styrene	9.885	104	12379	0.546	ppbv		95
62) Isopropylbenzene	10.552	105	37401	0.529	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.976	83	13828	0.523	ppbv		95
64) n-propylbenzene	10.998	120	9922	0.550	ppbv		98
65) tert-Butylbenzene	11.542	119	33183	0.532	ppbv		97
66) Benzyl Chloride	11.626	91	4039	0.510	ppbv	#	97
67) sec-Butylbenzene	11.778	105	46433	0.530	ppbv		96
69) p-Isopropyltoluene	11.934	119	40686	0.541	ppbv		99
70) n-Butylbenzene	12.290	91	38867	0.521	ppbv		99
71) 2-Chlorotoluene	10.911	91	29736	0.541	ppbv		97
72) 4-Ethyltoluene	11.138	105	30234	0.515	ppbv		97
73) 1,3,5-Trimethylbenzene	11.212	105	26942	0.540	ppbv		99
74) 1,2,4-Trimethylbenzene	11.545	105	29750	0.543	ppbv		94
75) 1,3-Dichlorobenzene	11.617	146	16311	0.524	ppbv		95
76) 1,4-Dichlorobenzene	11.681	146	16803	0.533	ppbv		98
77) 1,2-Dichlorobenzene	11.956	146	16306	0.535	ppbv		97
78) Hexachloro-1,3-Butadiene	13.885	225	14165	0.567	ppbv		99
79) Naphthalene	13.520	128	24056	0.491	ppbv		96
80) Naphthalene,2-methyl-	14.465	142	7482	0.405	ppbv		95
81) 1,2,4-Trichlorobenzene	13.449	180	10844	0.434	ppbv		97

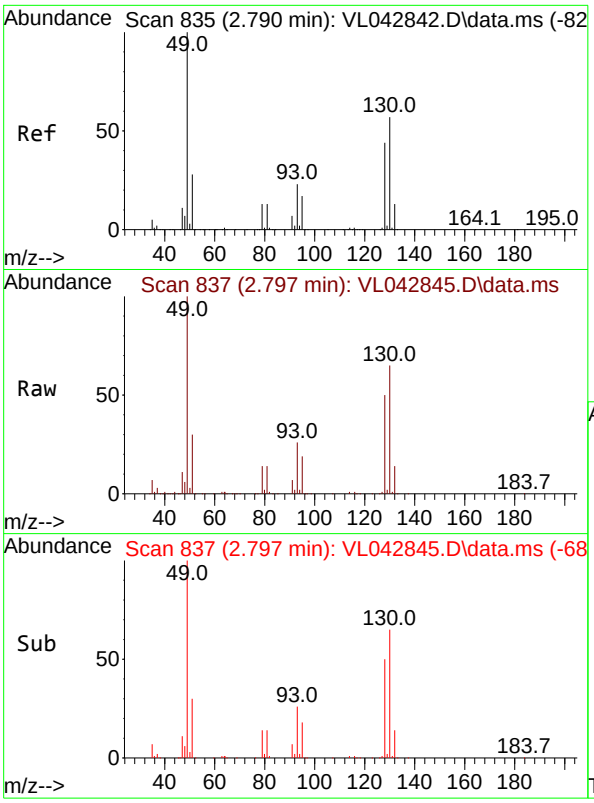
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



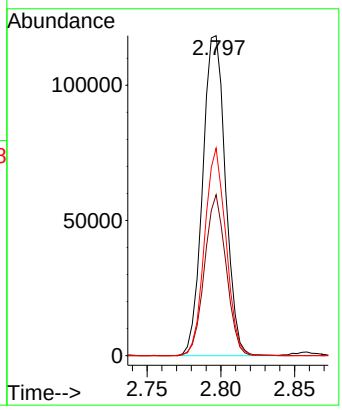


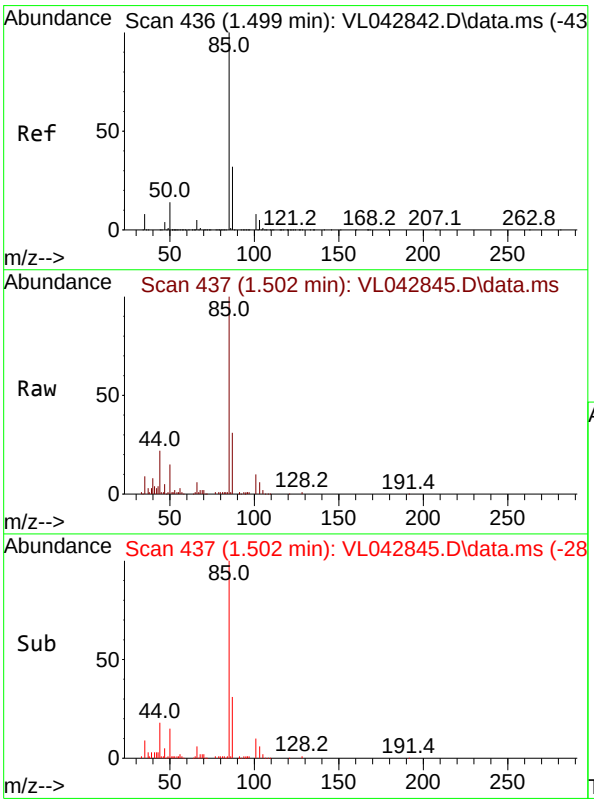
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 126879

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.7	71.1
130	60.9	30.6	91.6

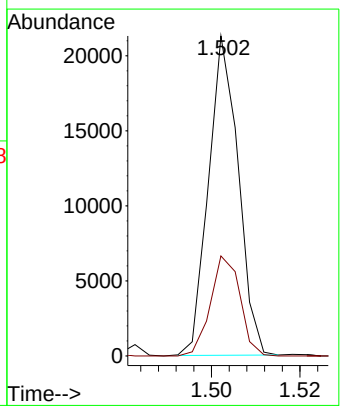


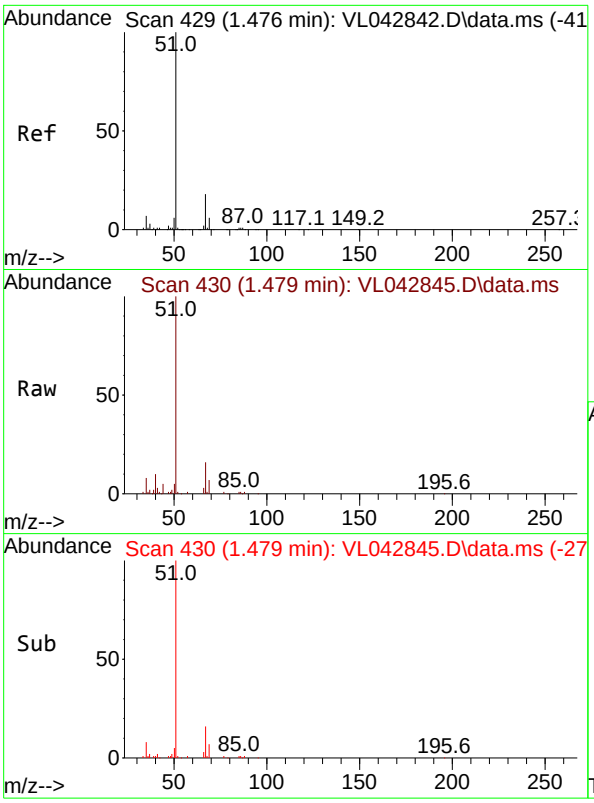


#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 9937

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.3	37.9



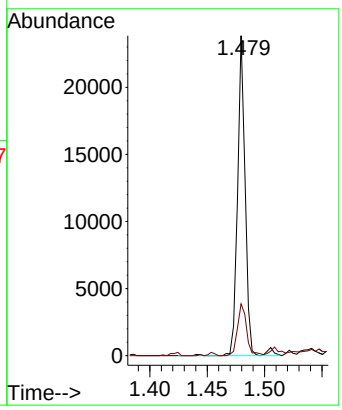


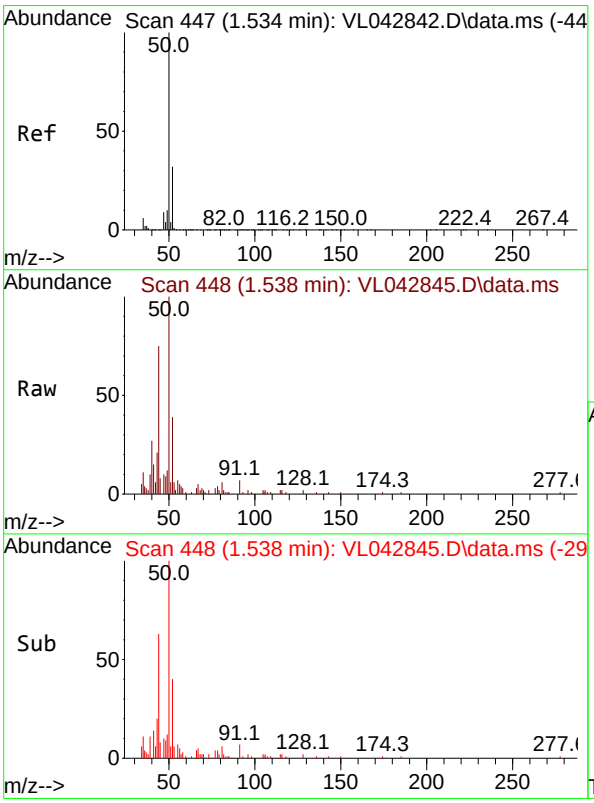
#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 11115

Ion	Ratio	Lower	Upper
51	100		
67	20.5	14.9	22.3

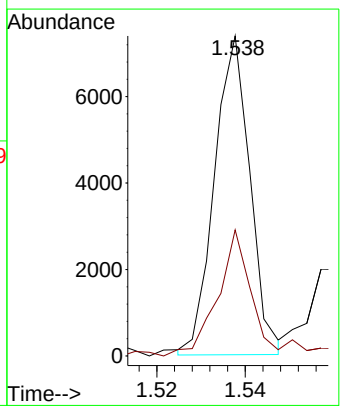


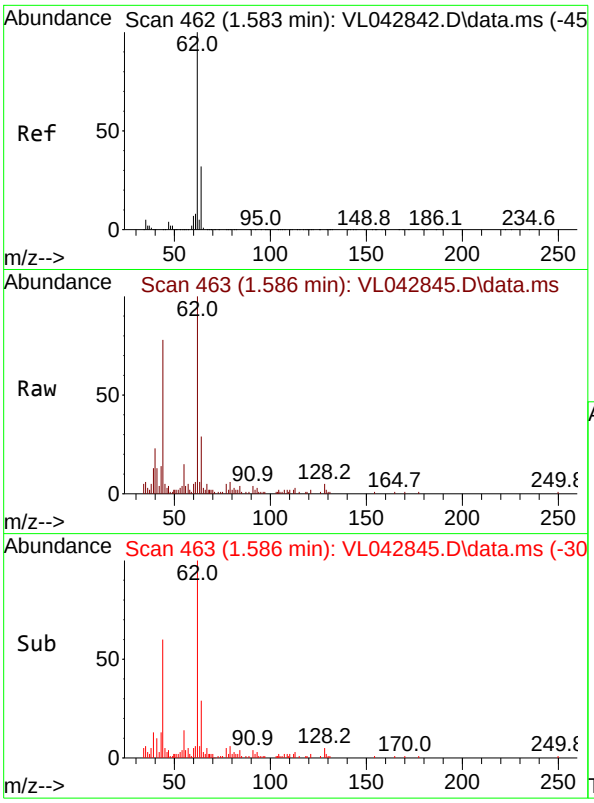


#4
Chloromethane
Concen: 0.548 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 50 Resp: 4112

Ion	Ratio	Lower	Upper
50	100		
52	38.2	25.9	38.9



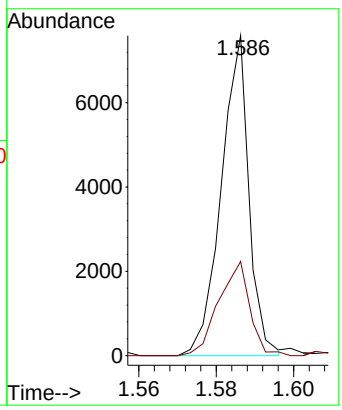


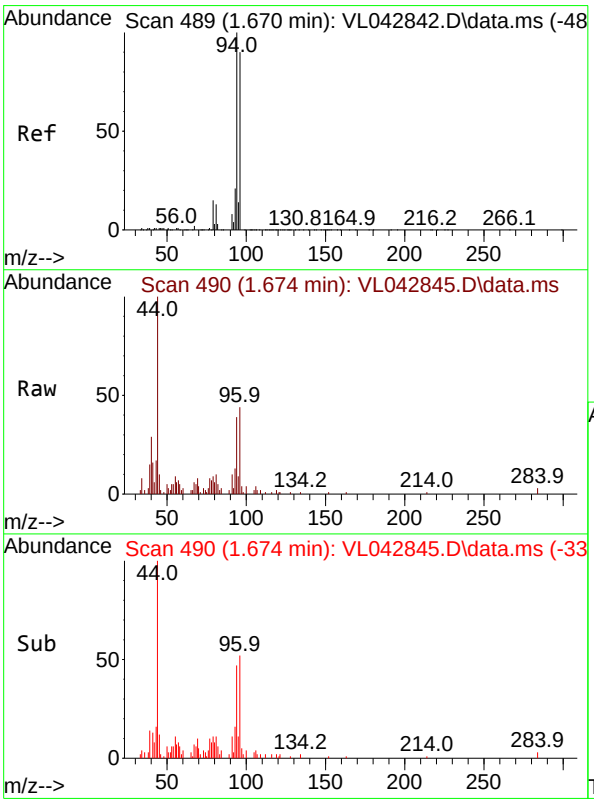
#5
Vinyl Chloride
Concen: 0.509 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 3762

Ion	Ratio	Lower	Upper
62	100		
64	28.3	25.4	38.2

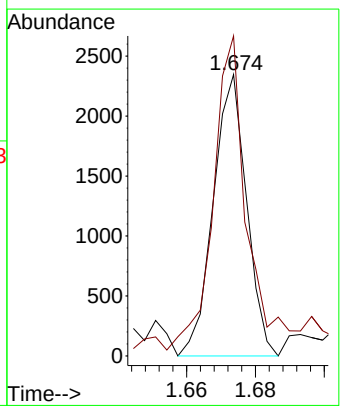


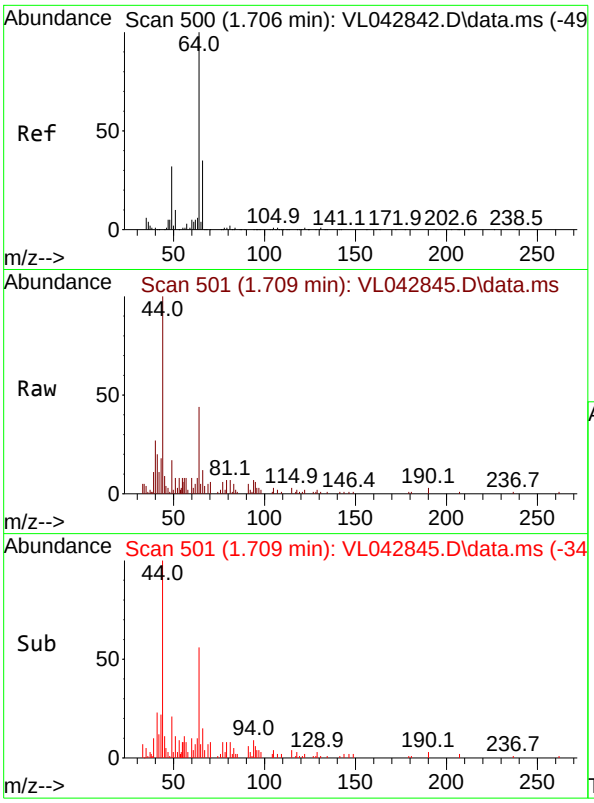


#6
Bromomethane
Concen: 0.533 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 94 Resp: 1576

Ion	Ratio	Lower	Upper
94	100		
96	106.9	72.1	108.1



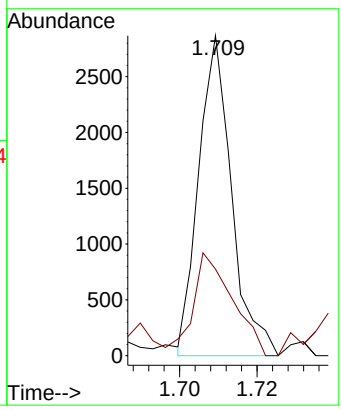


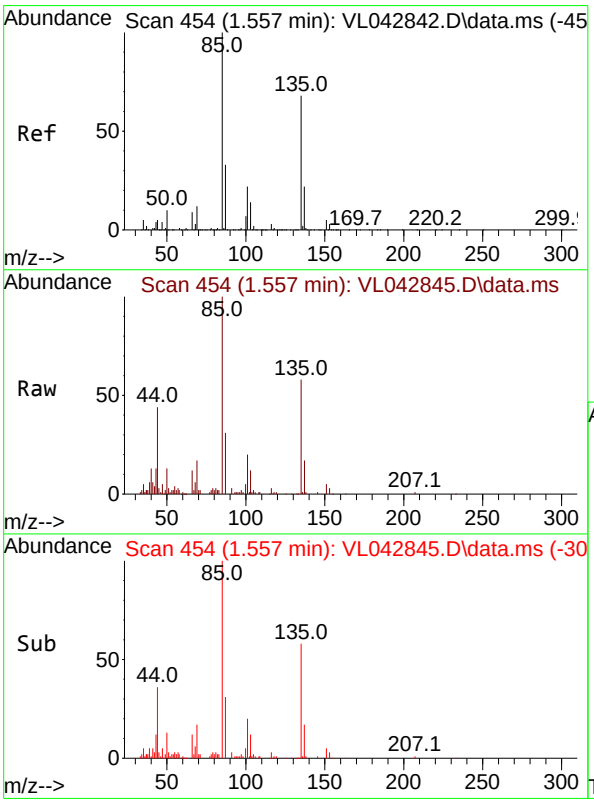
#7
Chloroethane
Concen: 0.586 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 1690

Ion	Ratio	Lower	Upper
64	100		
66	27.0	28.6	42.8#

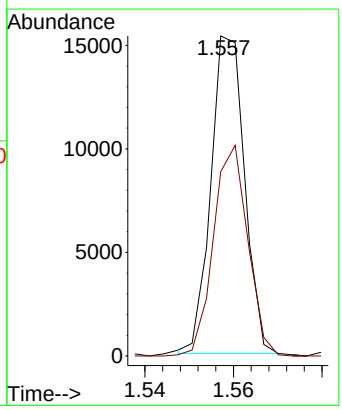


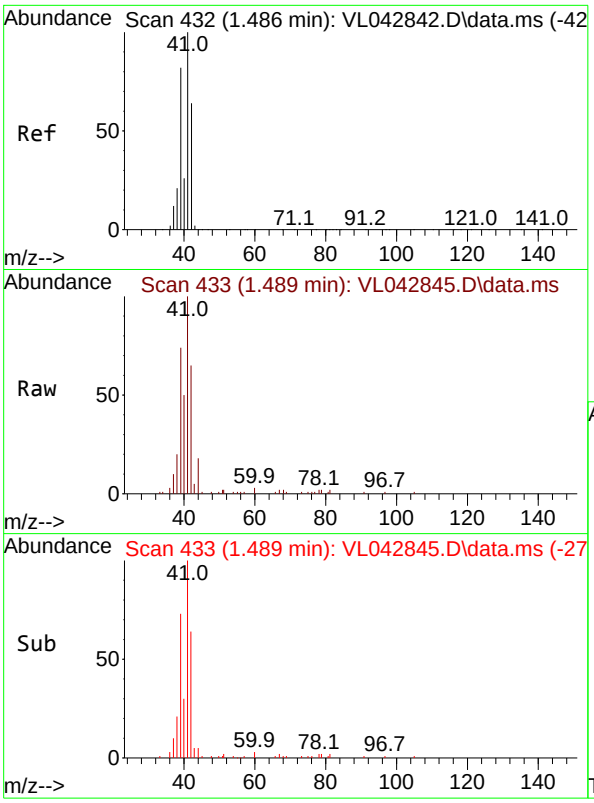


#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 85 Resp: 8079

Ion	Ratio	Lower	Upper
85	100		
135	67.7	51.2	76.8



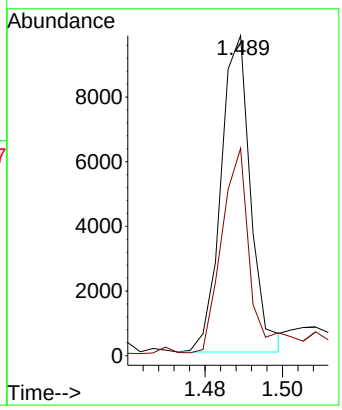


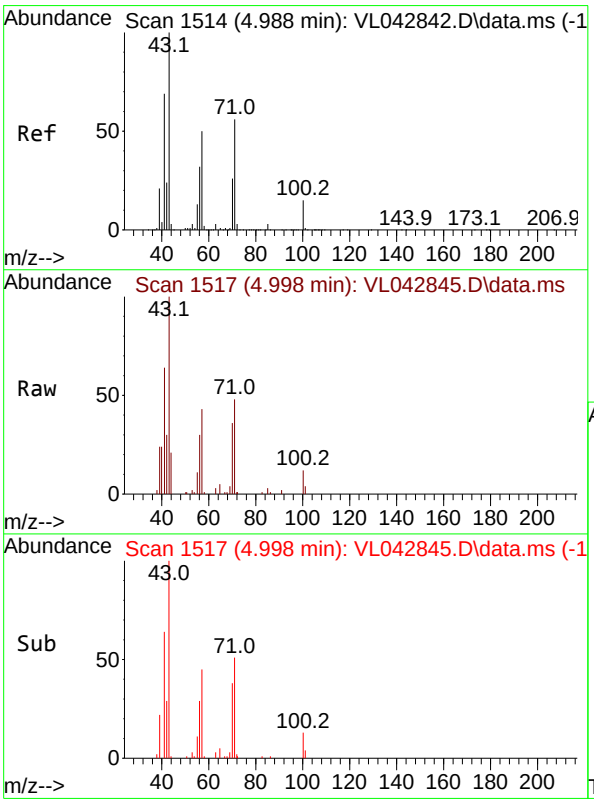
#9
Propene
Concen: 0.589 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 5225

Ion	Ratio	Lower	Upper
41	100		
42	73.7	53.0	79.4

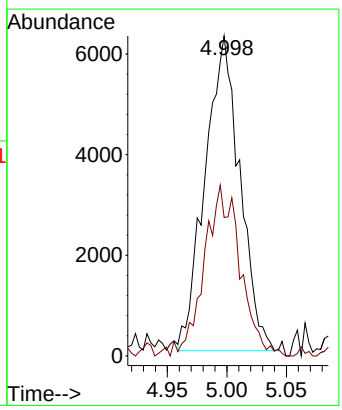


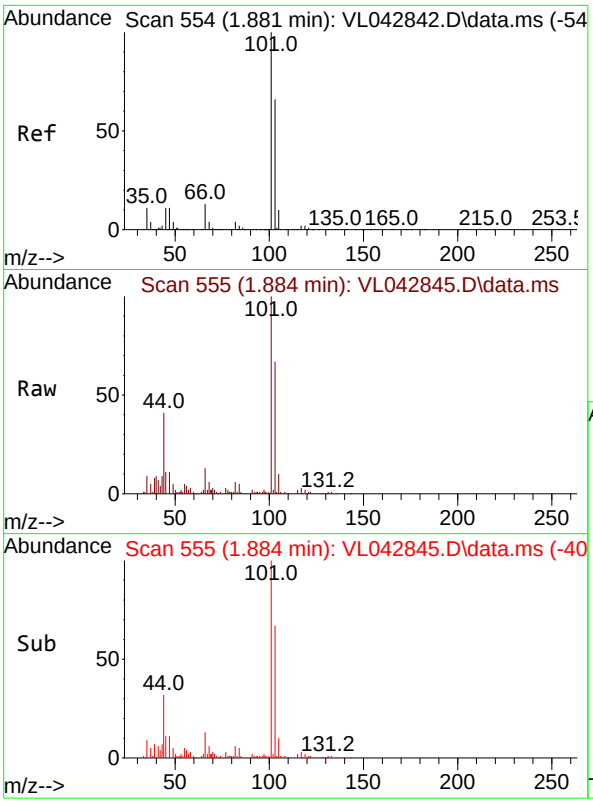


#10
Heptane
Concen: 0.537 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 12747

Ion	Ratio	Lower	Upper
43	100		
57	56.9	41.4	62.0



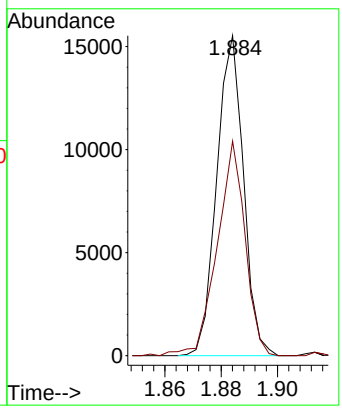


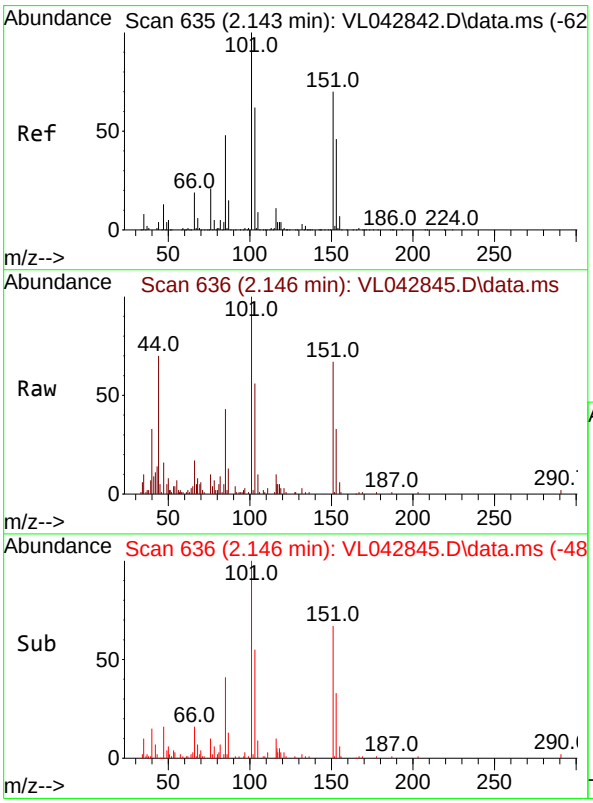
#11
Trichlorofluoromethane
Concen: 0.558 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 10238

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.5	78.7

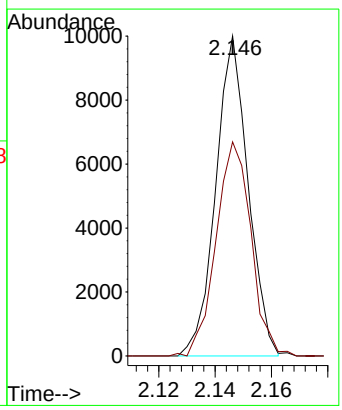


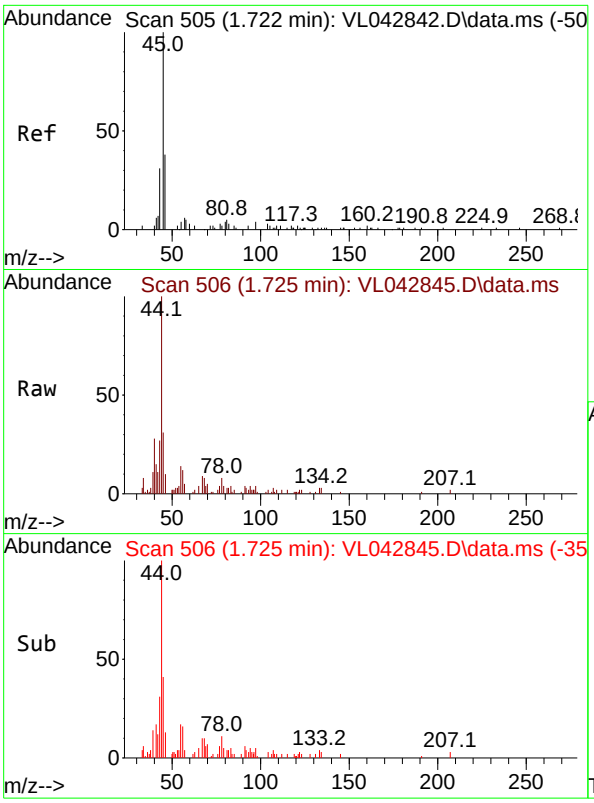


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.546 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:101 Resp: 7984

Ion	Ratio	Lower	Upper
101	100		
151	72.3	56.4	84.6



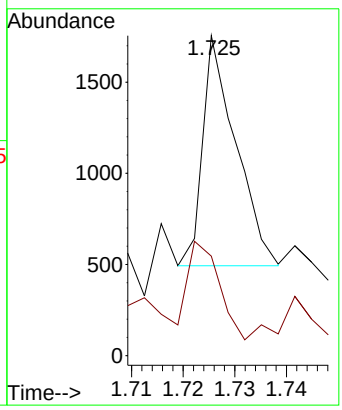


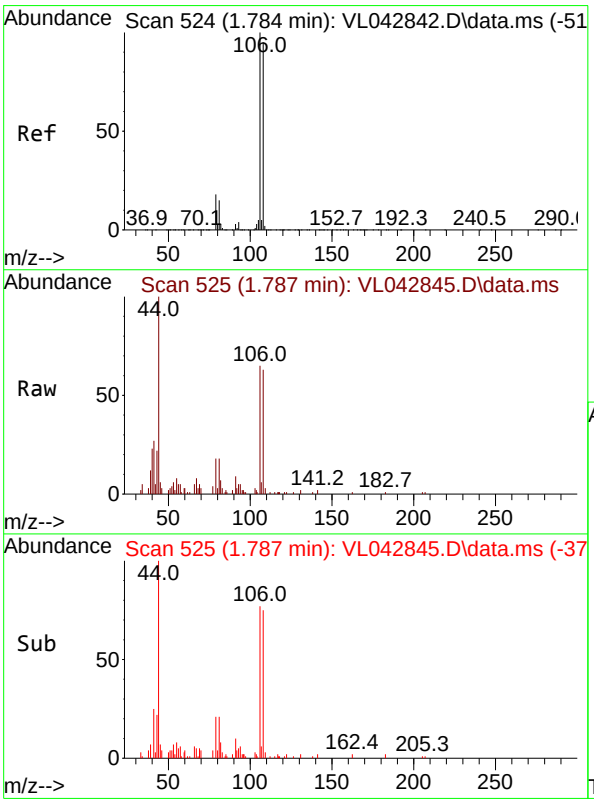
#13
Ethanol
Concen: 0.639 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 562

Ion	Ratio	Lower	Upper
45	100		
46	131.5	17.5	69.9#

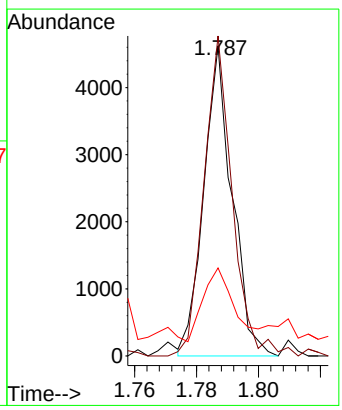


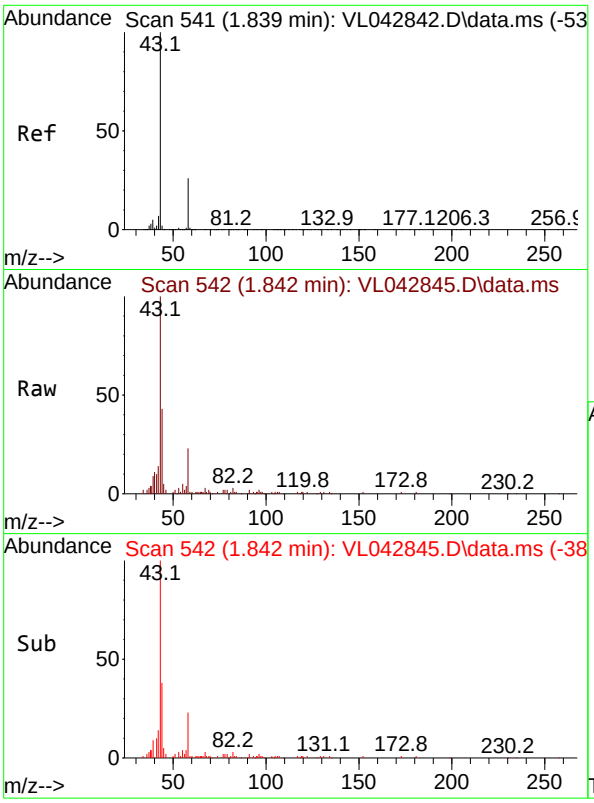


#14
Bromoethene
Concen: 0.554 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:108 Resp: 2932

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.1	127.7
79	62.6	16.3	24.5#



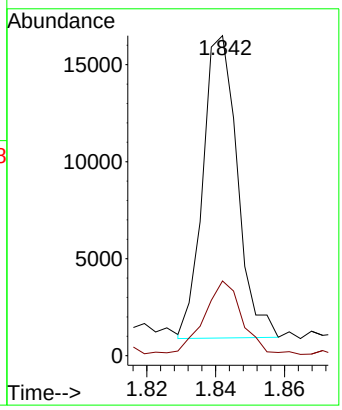


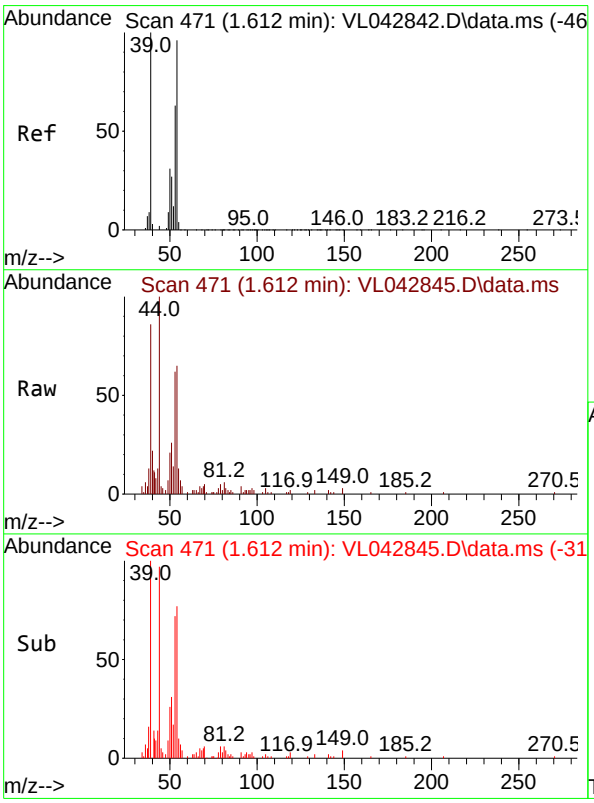
#15
Acetone
Concen: 0.646 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 10836

Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.4	33.6

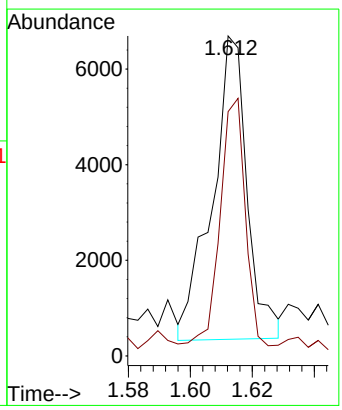


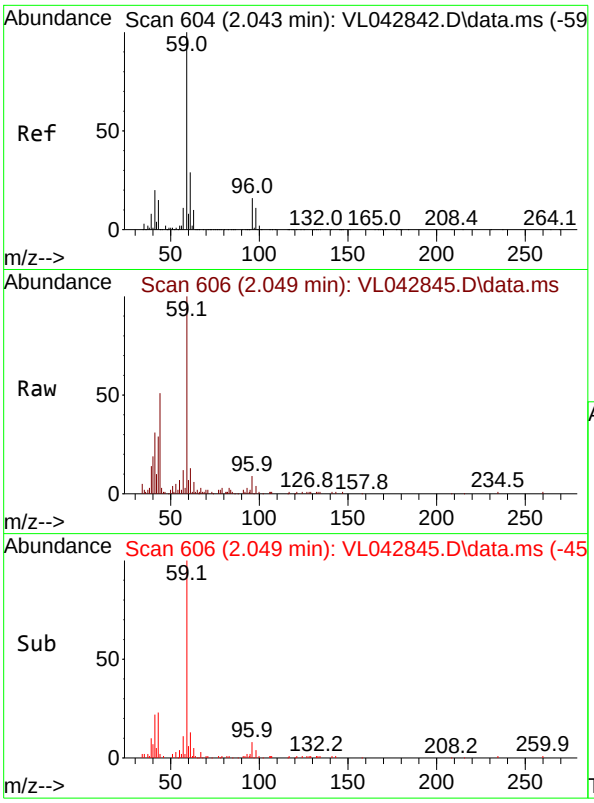


#16
1,3-Butadiene
Concen: 0.653 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 39 Resp: 4970

Ion	Ratio	Lower	Upper
39	100		
54	78.6	63.6	95.4



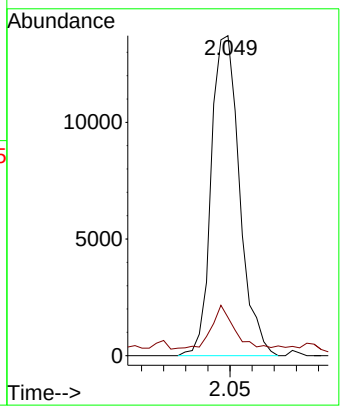


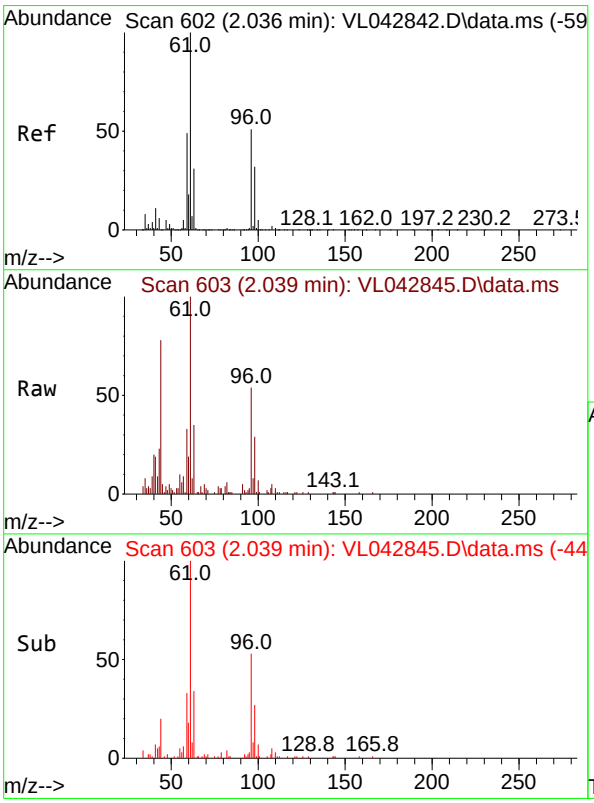
#17
tert-Butyl alcohol
Concen: 0.612 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 12182

Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.0	13.4#

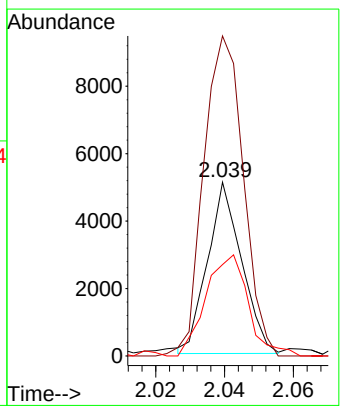


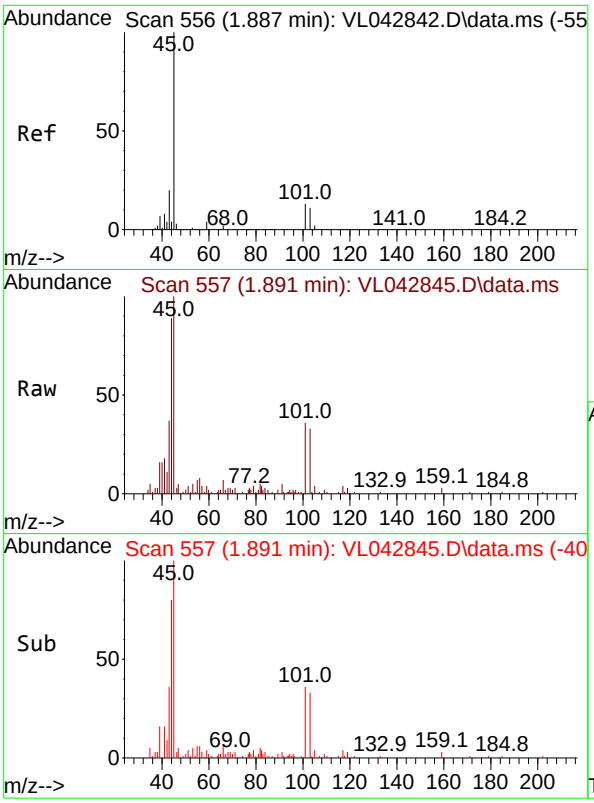


#18
1,1-Dichloroethene
Concen: 0.545 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3501

Ion	Ratio	Lower	Upper
96	100		
61	188.2	158.2	237.4
98	53.8	50.6	76.0



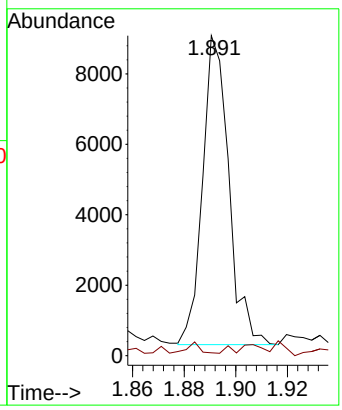


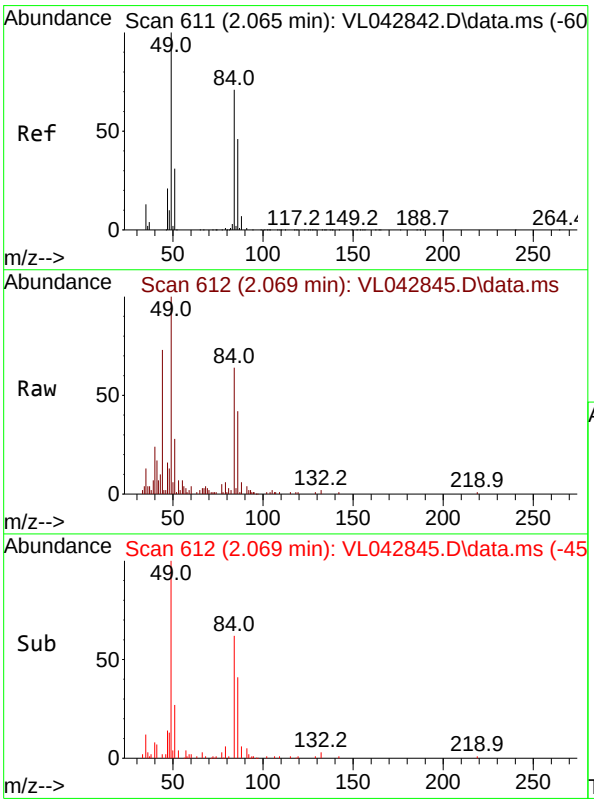
#19
Isopropyl Alcohol
Concen: 0.618 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6194

Ion	Ratio	Lower	Upper
45	100		
58	13.3	32.7	49.1#

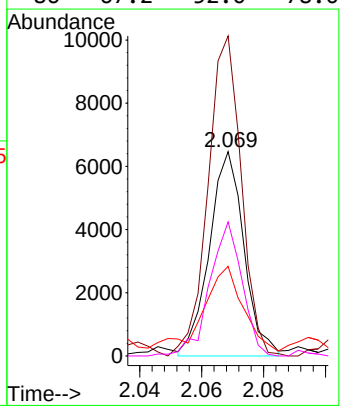


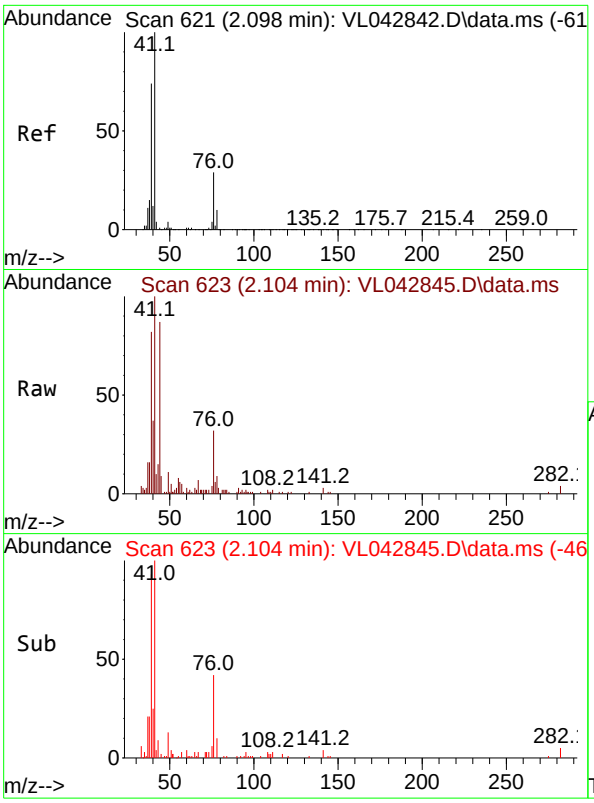


#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 84 Resp: 5025

Ion	Ratio	Lower	Upper
84	100		
49	159.3	112.3	168.5
51	42.5	36.0	54.0
86	67.2	52.0	78.0



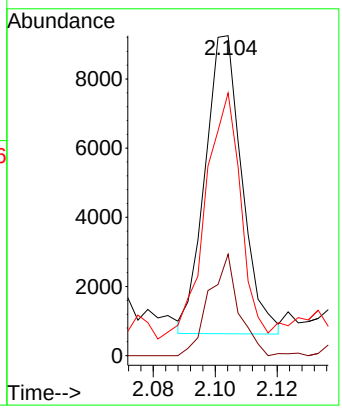


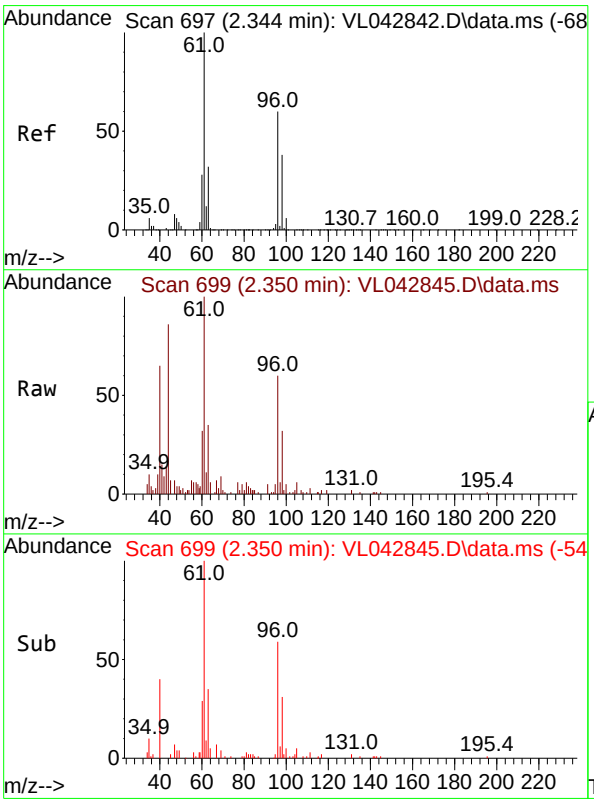
#21
Allyl Chloride
Concen: 0.600 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 7120

Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.9	35.9
39	98.9	57.8	86.6#

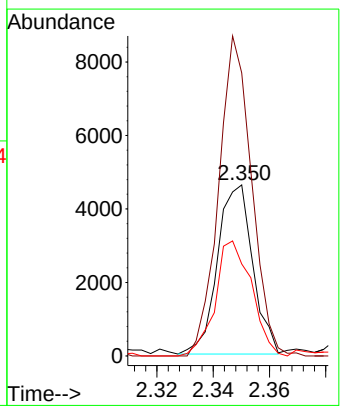


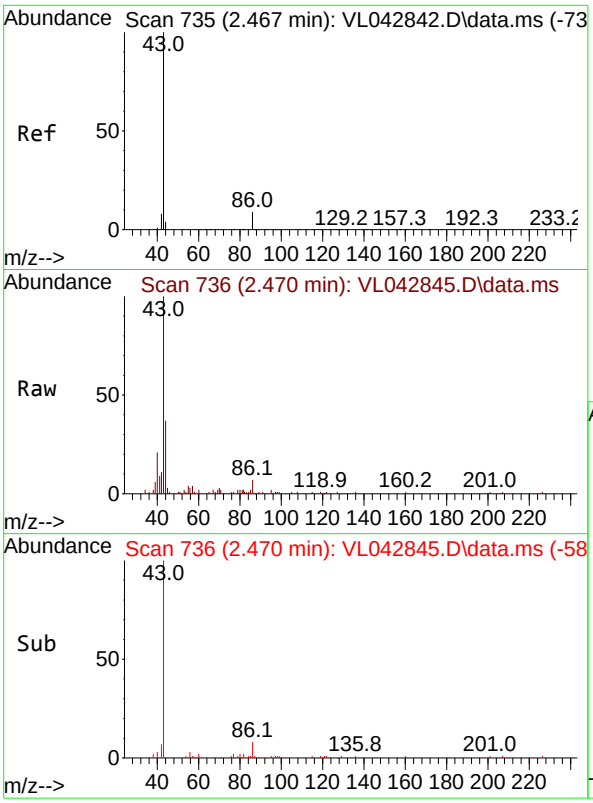


#22
trans-1,2-Dichloroethene
Concen: 0.556 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3996

Ion	Ratio	Lower	Upper
96	100		
61	167.3	132.6	199.0
98	54.4	50.0	75.0



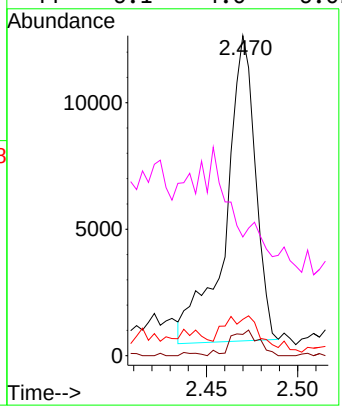


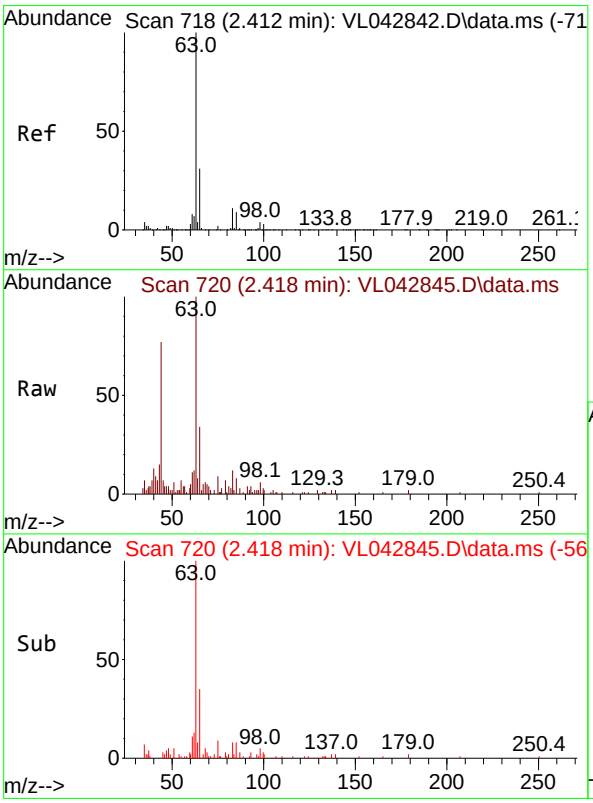
#23
Vinyl Acetate
Concen: 0.621 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 13709

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	9.8
42	9.3	7.0	10.6
44	6.1	4.0	6.0#

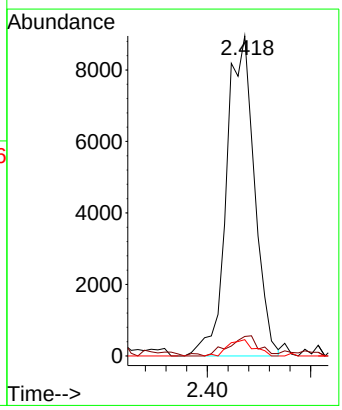


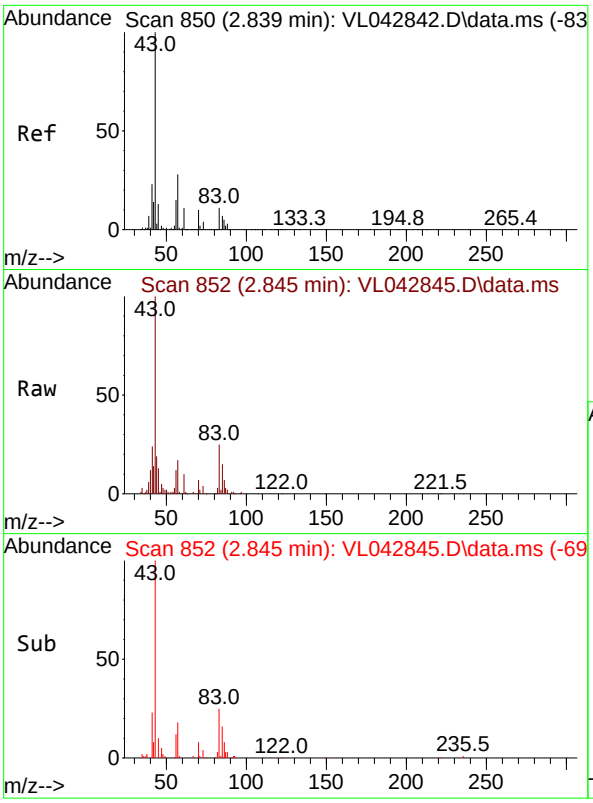


#24
1,1-Dichloroethane
Concen: 0.562 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 63 Resp: 8354

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.1	6.5
100	5.1	1.7	5.1#



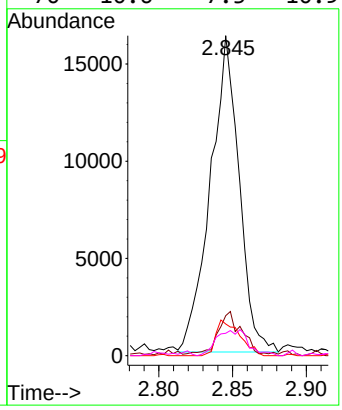


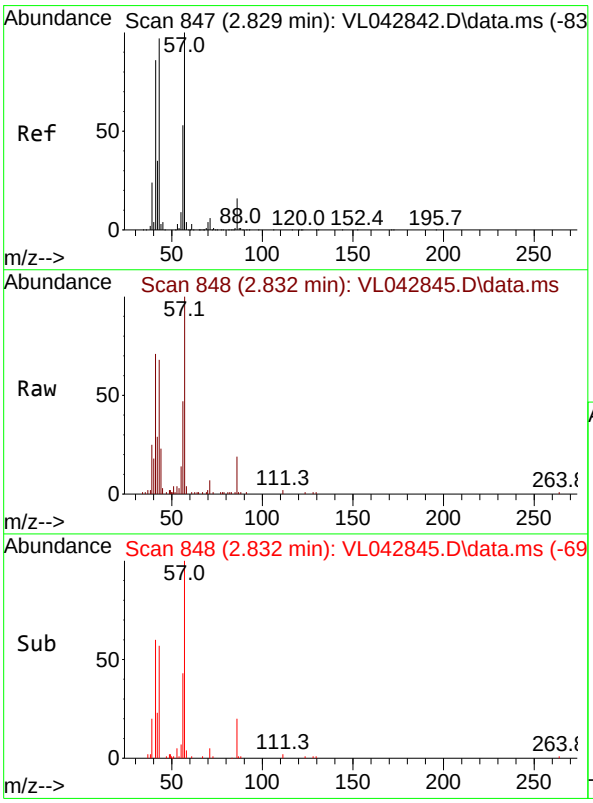
#25
Ethyl Acetate
Concen: 0.545 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 22148

Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.1	12.1#
61	9.4	7.4	11.2
70	10.6	7.3	10.9

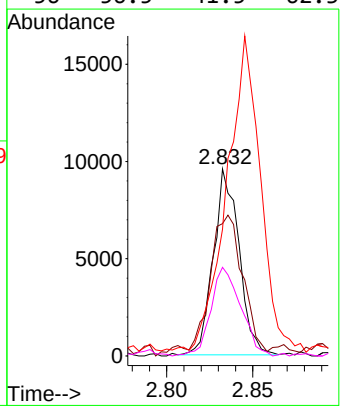


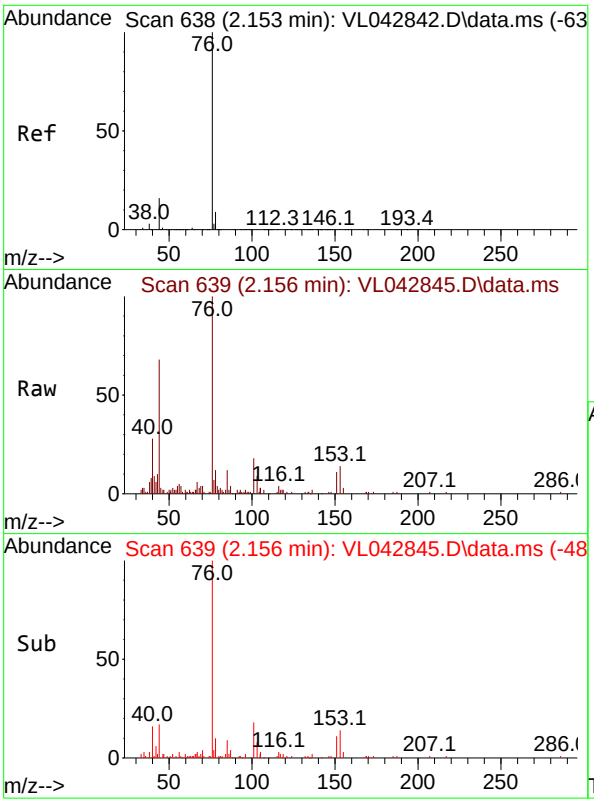


#26
Hexane
Concen: 0.527 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 57 Resp: 9879

Ion	Ratio	Lower	Upper
57	100		
41	100.6	68.6	103.0
43	236.9	168.5	252.7
56	56.5	41.5	62.3



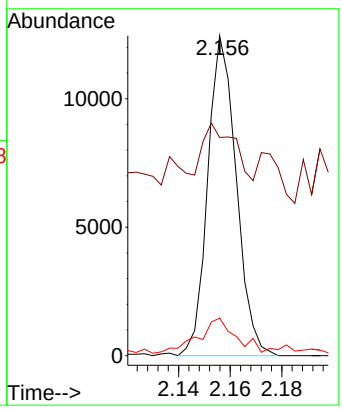


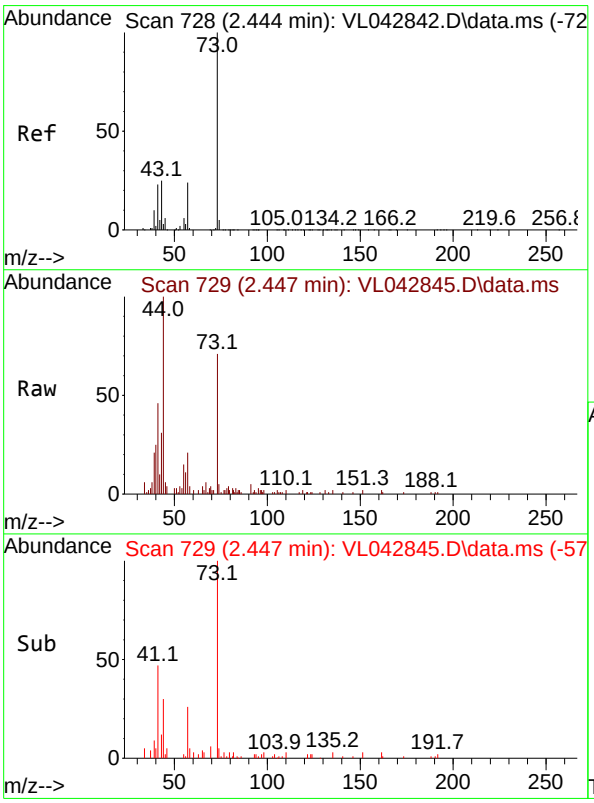
#27
Carbon Disulfide
Concen: 0.523 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 9539

Ion	Ratio	Lower	Upper
76	100		
44	136.8	15.9	23.9#
78	22.2	9.5	14.3#

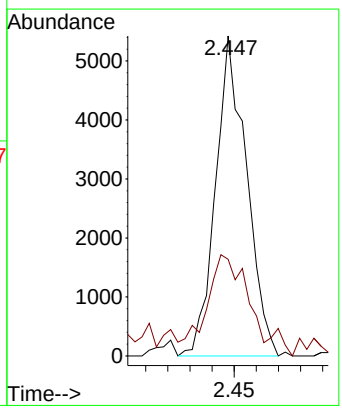


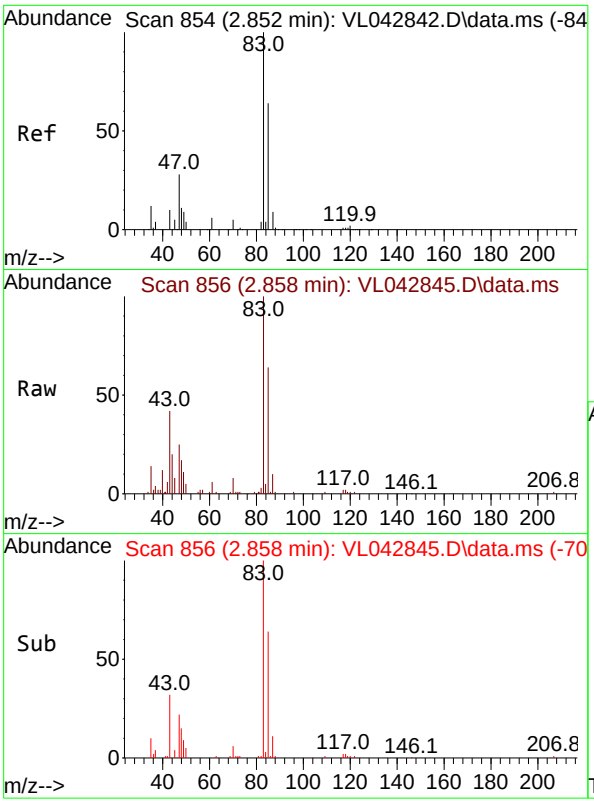


#28
Methyl tert-Butyl Ether
Concen: 0.553 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 73 Resp: 5284

Ion	Ratio	Lower	Upper
73	100		
57	46.5	21.6	32.4#



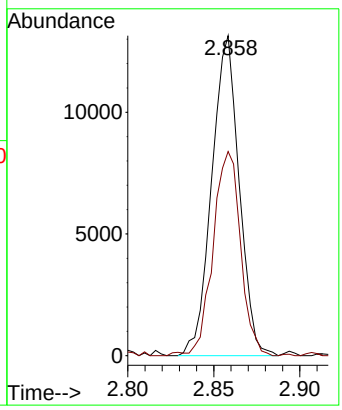


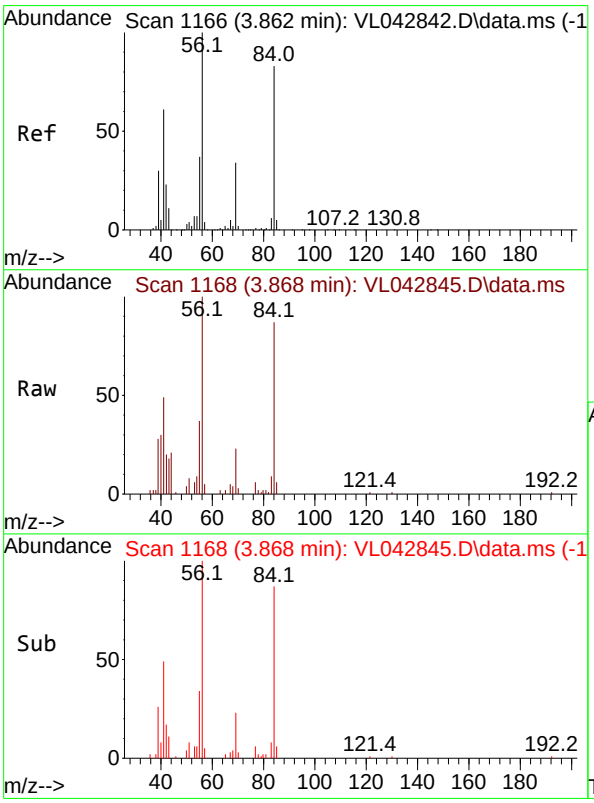
#29
Chloroform
Concen: 0.545 ppbv
RT: 2.858 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 14586

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7

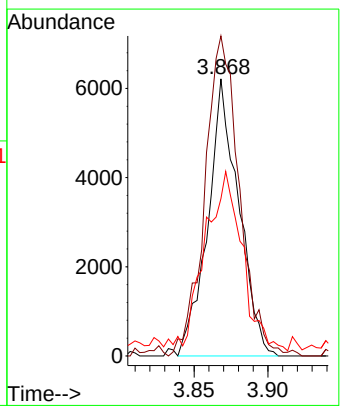


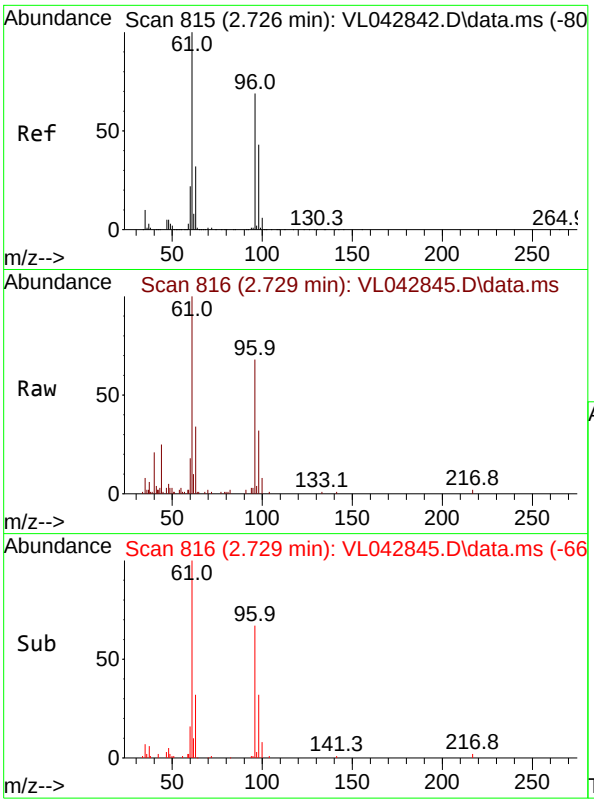


#30
Cyclohexane
Concen: 0.550 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 84 Resp: 9037

Ion	Ratio	Lower	Upper
84	100		
56	131.1	98.8	148.2
41	80.1	61.3	91.9



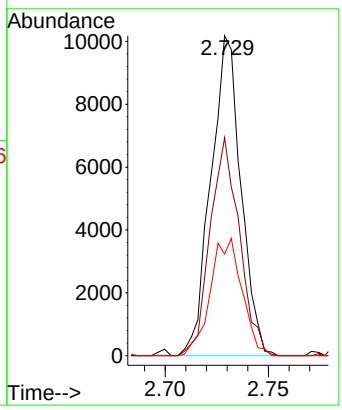


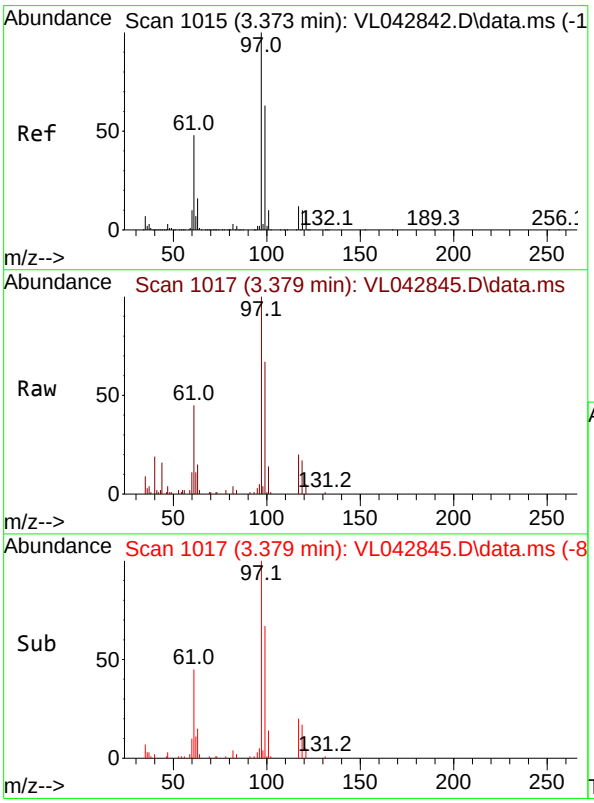
#31
cis-1,2-Dichloroethene
Concen: 0.550 ppbv
RT: 2.729 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 10308

Ion	Ratio	Lower	Upper
61	100		
96	61.7	55.0	82.6
98	28.7	34.3	51.5#

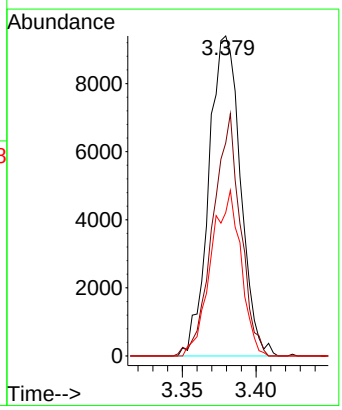


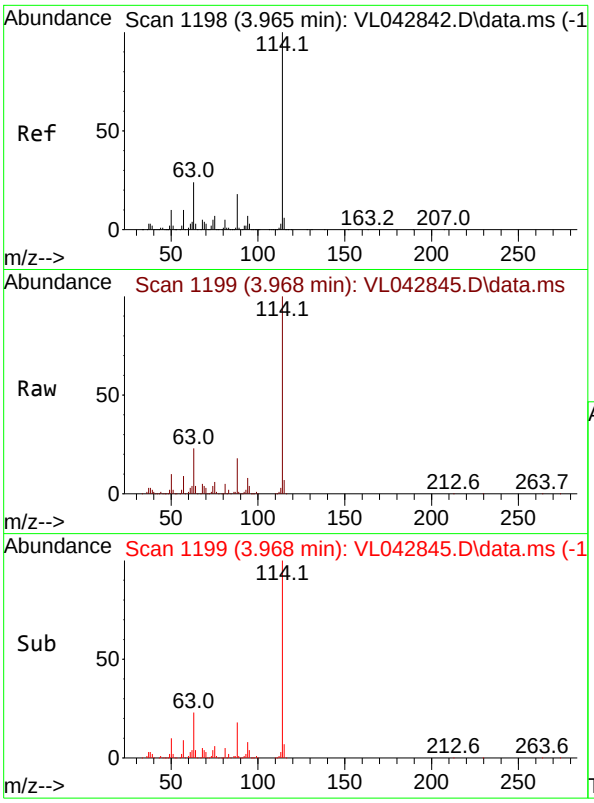


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.379 min Scan# 1017
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 97 Resp: 14011

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.0	76.6
61	48.9	38.0	57.0



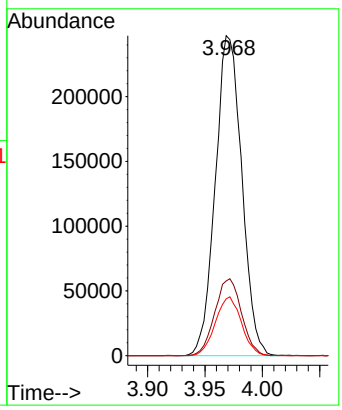


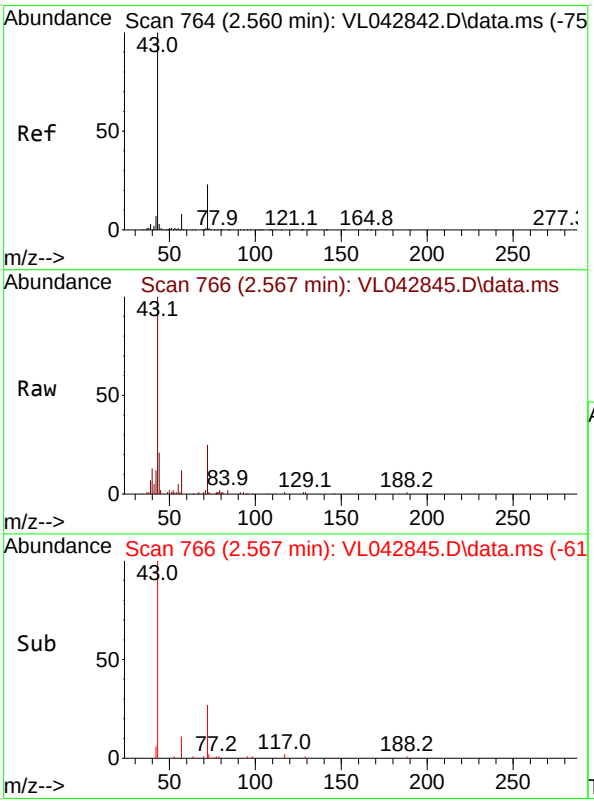
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 396264

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.7	29.5
88	18.1	14.4	21.6

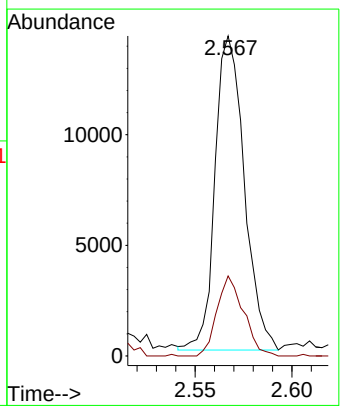


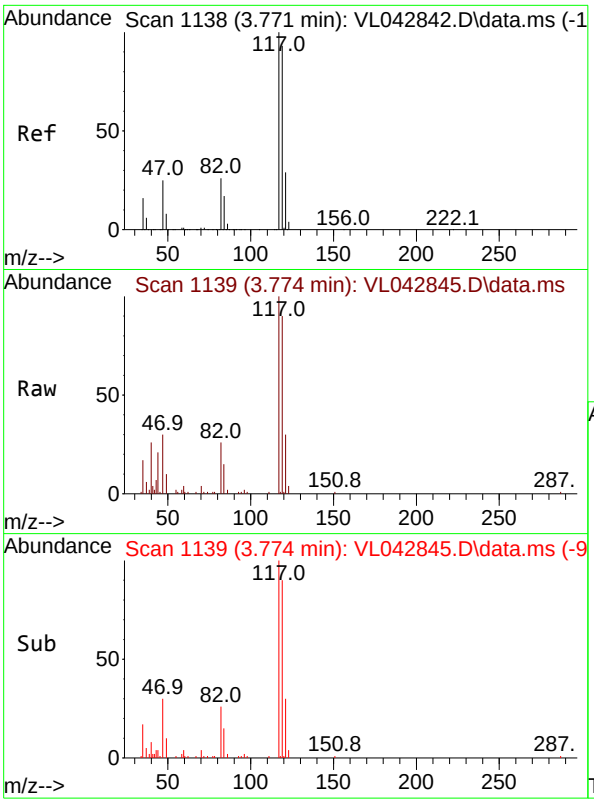


#34
2-Butanone
Concen: 0.558 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 14923

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0



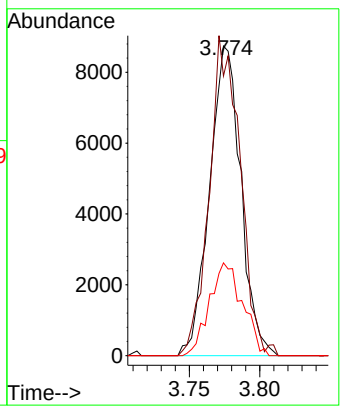


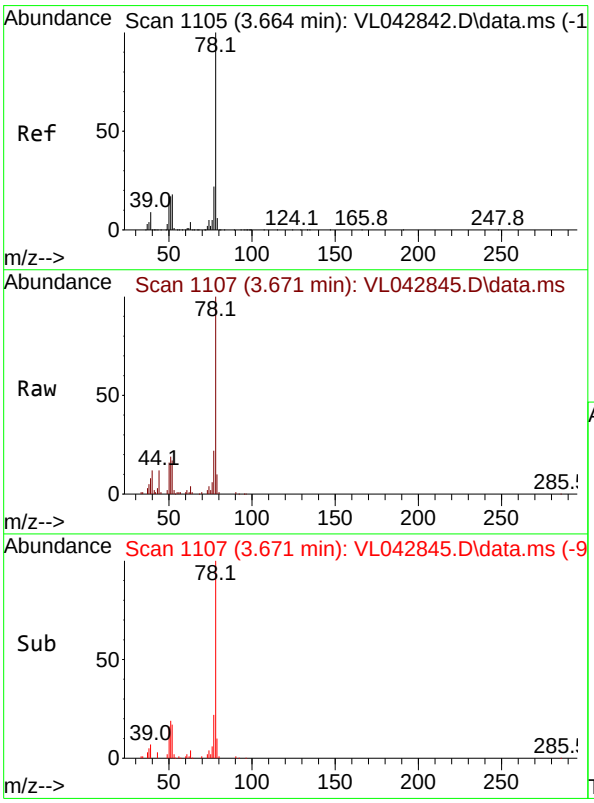
#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 13507

Ion	Ratio	Lower	Upper
117	100		
119	90.3	74.7	112.1
121	30.0	23.2	34.8

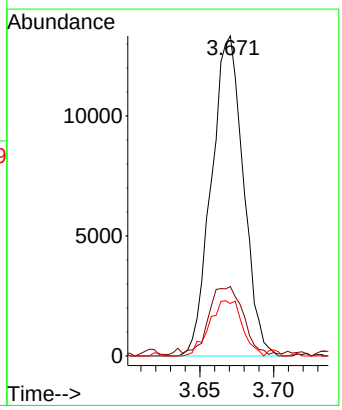


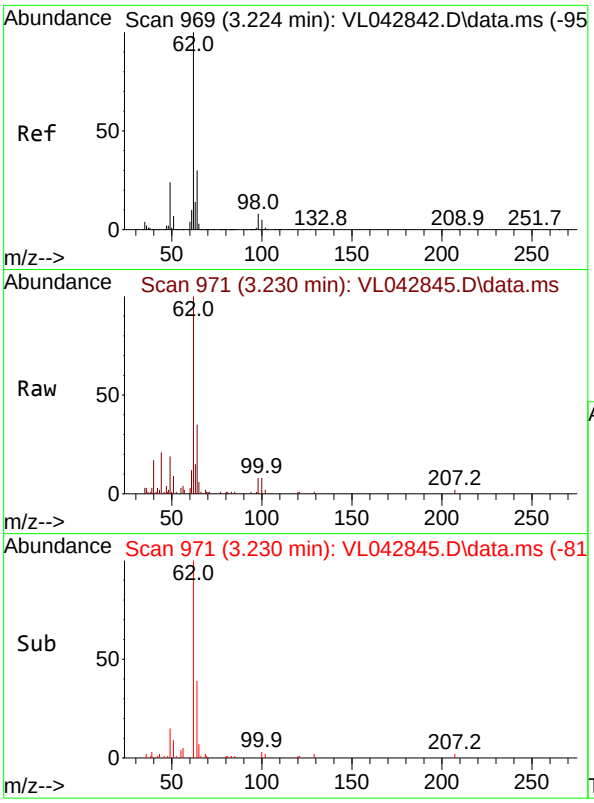


#36
Benzene
Concen: 0.529 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 78 Resp: 20073

Ion	Ratio	Lower	Upper
78	100		
77	21.0	17.7	26.5
50	16.4	13.9	20.9



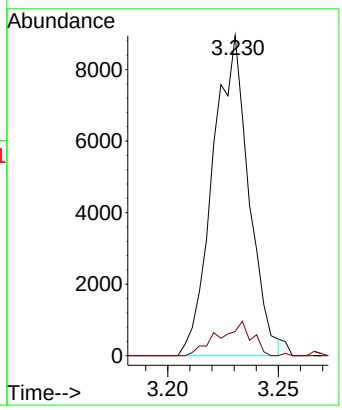


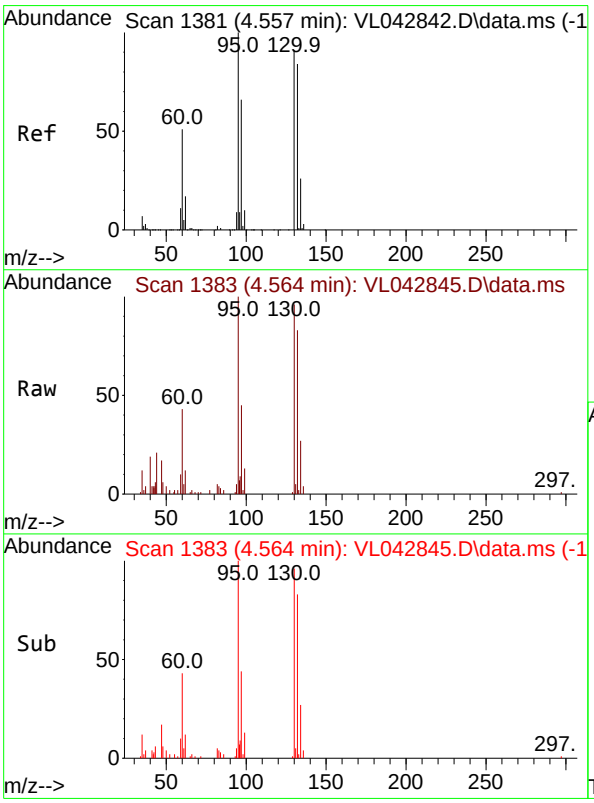
#37
1,2-Dichloroethane
Concen: 0.512 ppbv
RT: 3.230 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 10141

Ion	Ratio	Lower	Upper
62	100		
98	10.0	5.9	8.9#

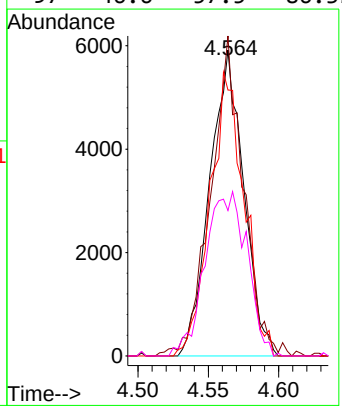


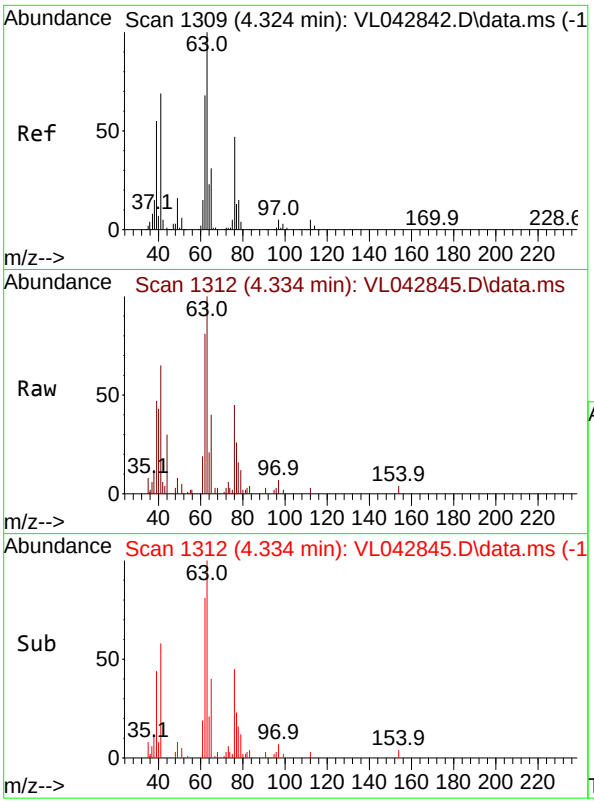


#38
Trichloroethene
Concen: 0.572 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:130 Resp: 9918

Ion	Ratio	Lower	Upper
130	100		
95	103.5	87.6	131.4
132	86.9	73.8	110.8
97	46.6	57.5	86.3#



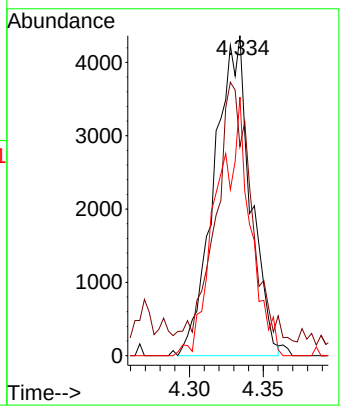


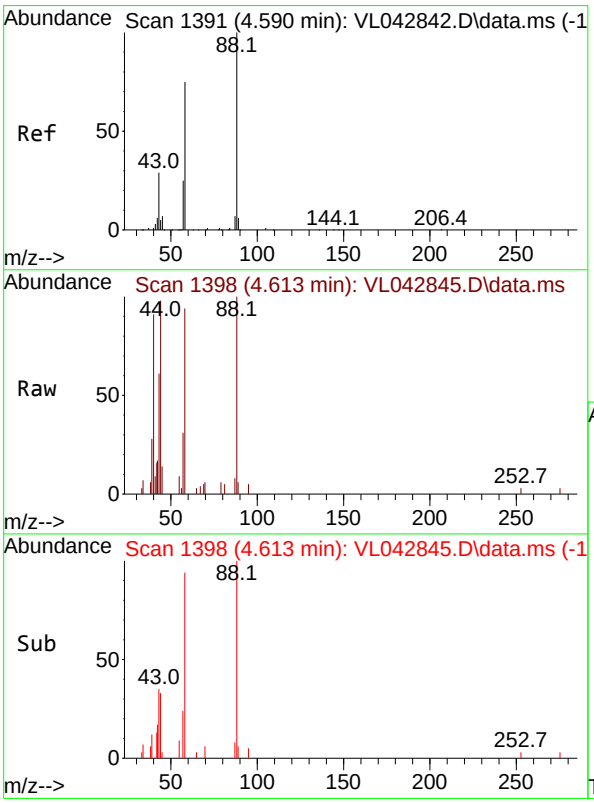
#39
1,2-Dichloropropane
Concen: 0.541 ppbv
RT: 4.334 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 7491

Ion	Ratio	Lower	Upper
63	100		
41	57.8	55.0	82.4
62	79.7	54.4	81.6

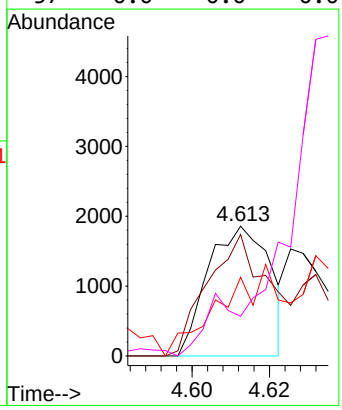


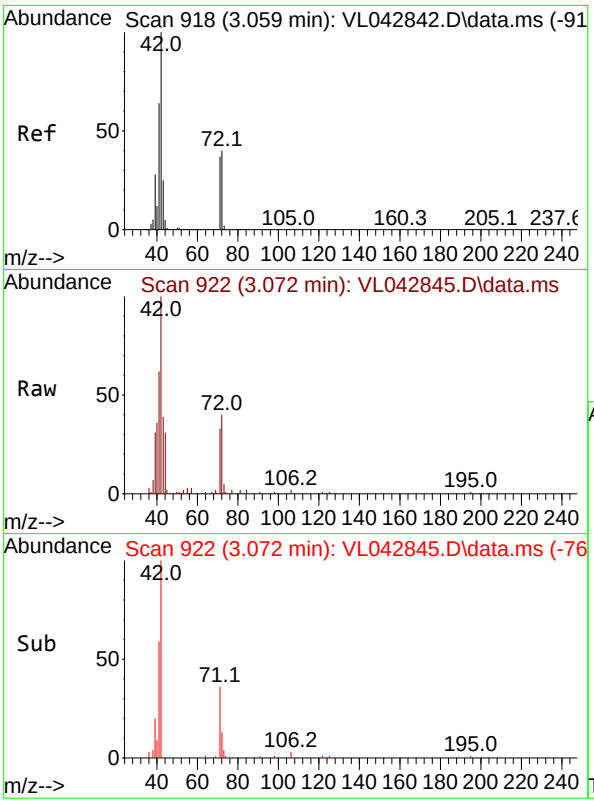


#40
1,4-Dioxane
Concen: 0.318 ppbv
RT: 4.613 min Scan# 1398
Delta R.T. 0.023 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 88 Resp: 2065

Ion	Ratio	Lower	Upper
88	100		
58	214.7	53.8	80.6#
43	0.0	22.8	34.2#
57	0.0	0.0	0.0



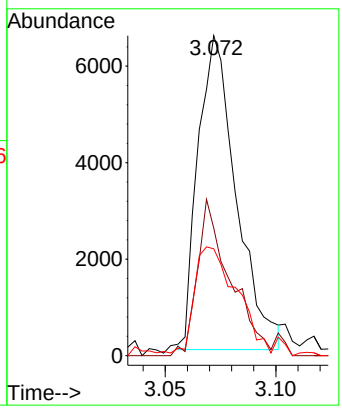


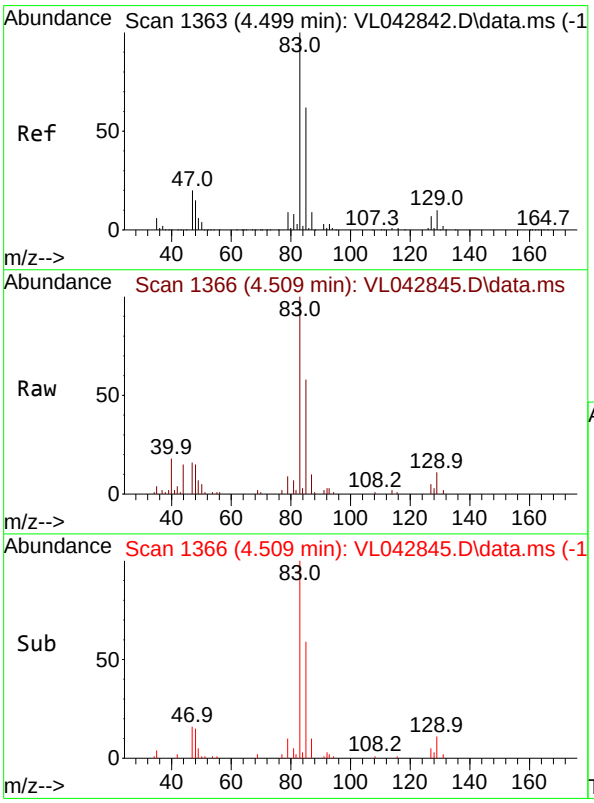
#41
Tetrahydrofuran
Concen: 0.525 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 7827

Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.6	48.8
71	42.0	30.0	45.0

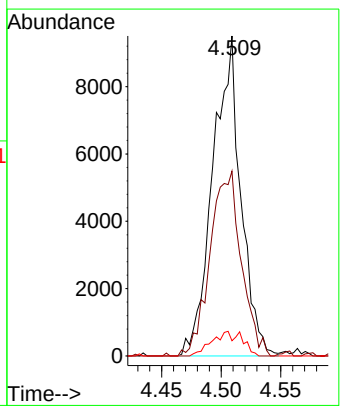


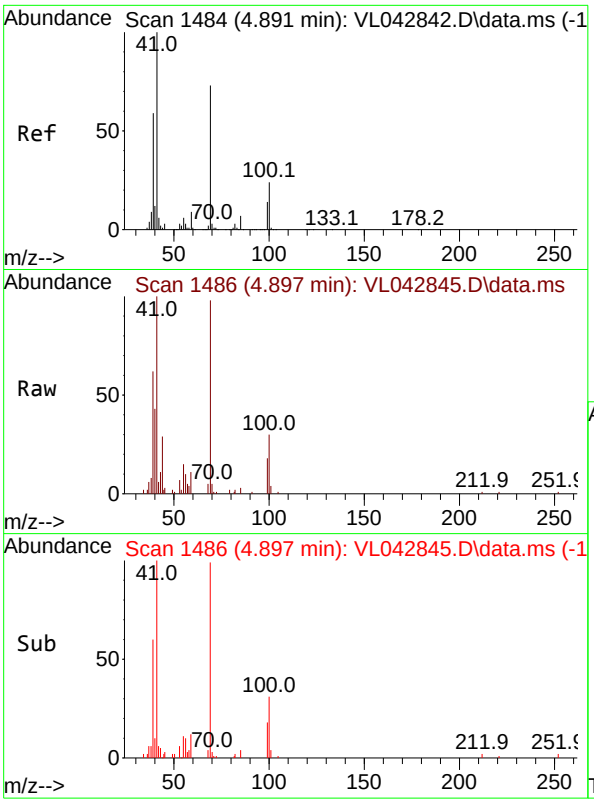


#42
Bromodichloromethane
Concen: 0.527 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 83 Resp: 15580

Ion	Ratio	Lower	Upper
83	100		
85	57.7	49.8	74.8
127	4.7	5.8	8.6#



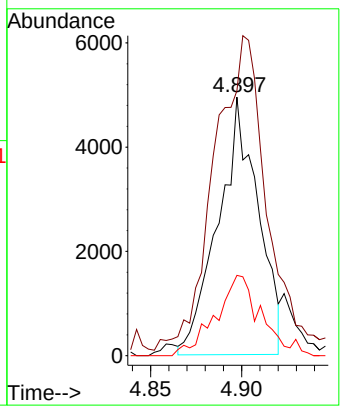


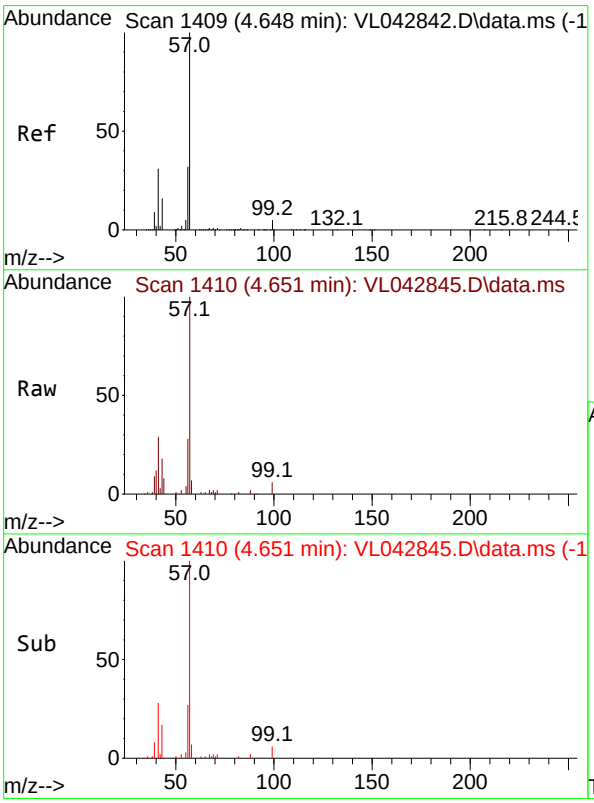
#43
Methyl Methacrylate
Concen: 0.484 ppbv
RT: 4.897 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 7529

Ion	Ratio	Lower	Upper
69	100		
41	158.8	114.6	172.0
100	35.6	30.2	45.4

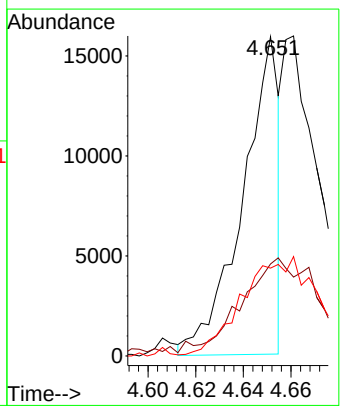


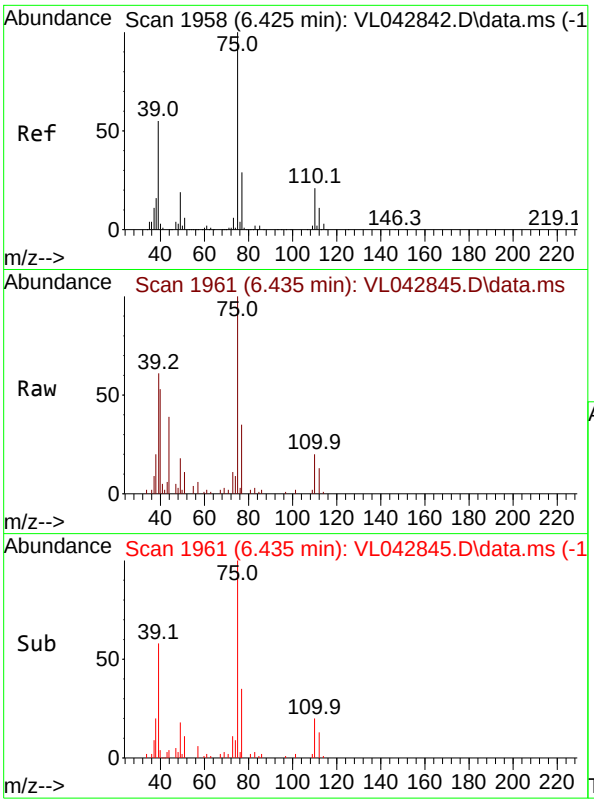


#44
2,2,4-Trimethylpentane
Concen: 0.263 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 57 Resp: 16770

Ion	Ratio	Lower	Upper
57	100		
41	65.8	24.8	37.2#
56	0.0	25.5	38.3#



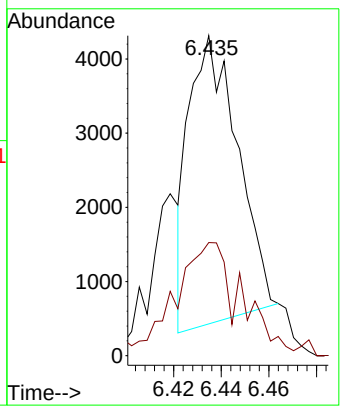


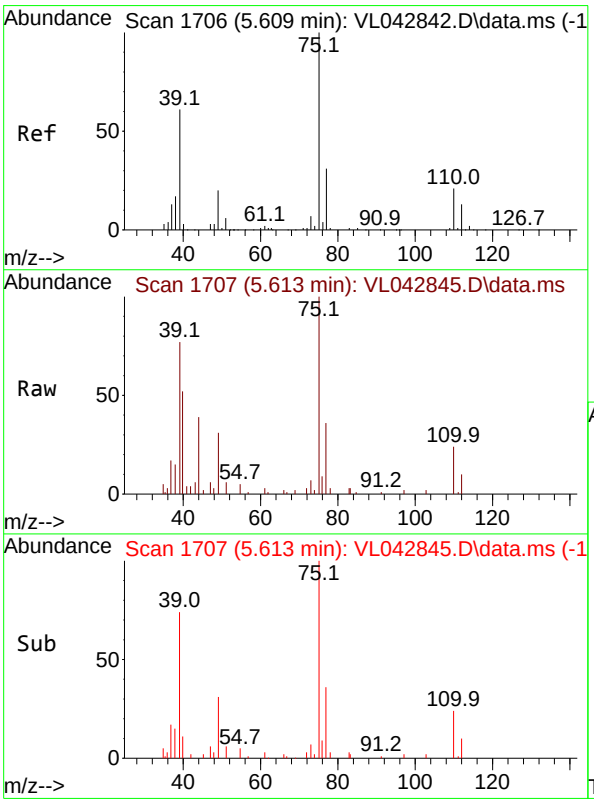
#45
t-1,3-Dichloropropene
Concen: 0.312 ppbv
RT: 6.435 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 5507

Ion	Ratio	Lower	Upper
75	100		
77	35.4	23.8	35.6

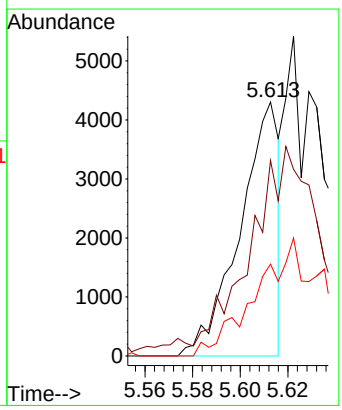


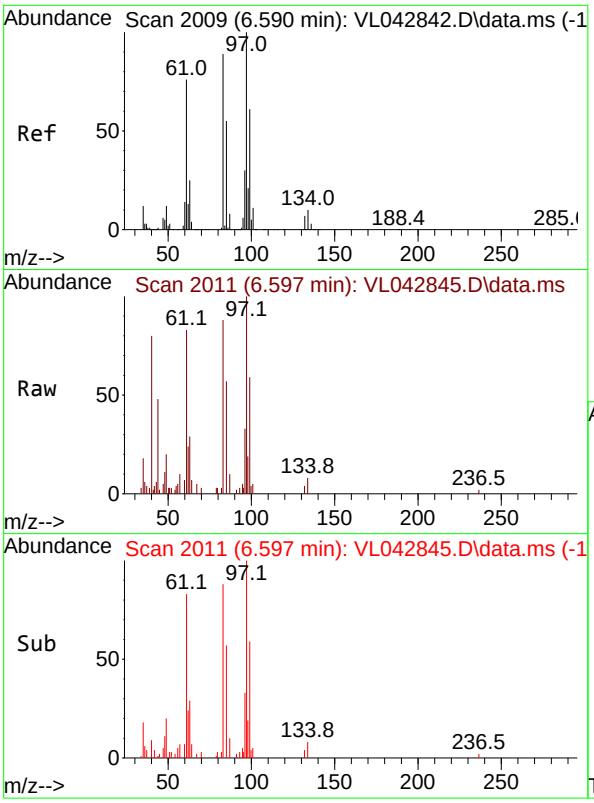


#46
cis-1,3-Dichloropropene
Concen: 0.221 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 75 Resp: 4895

Ion	Ratio	Lower	Upper
75	100		
39	70.0	48.9	73.3
77	36.2	24.9	37.3



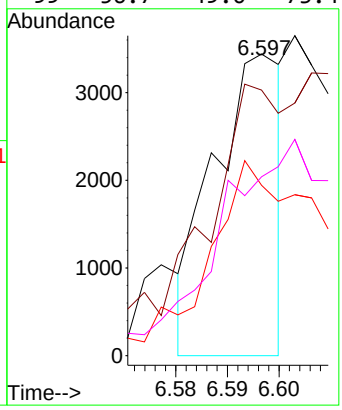


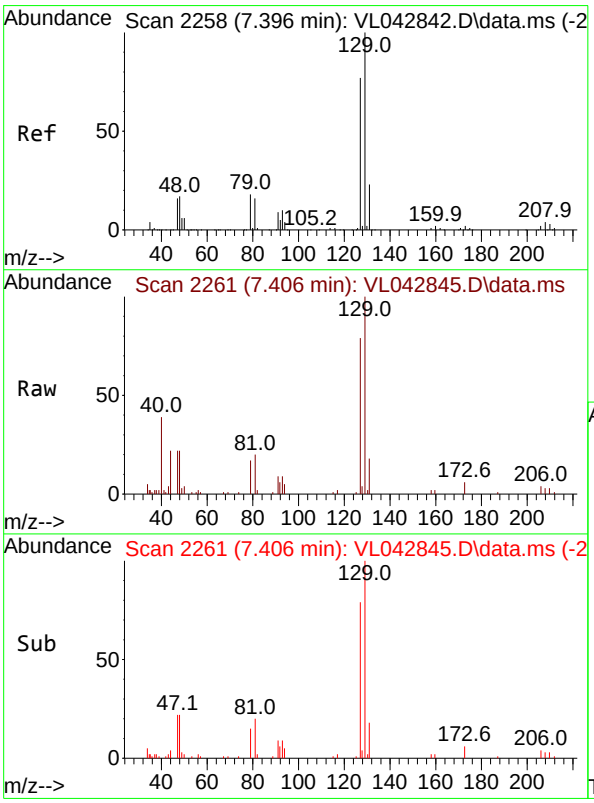
#47
1,1,2-Trichloroethane
Concen: 0.214 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 3140

Ion	Ratio	Lower	Upper
97	100		
83	74.9	71.0	106.4
85	59.0	43.6	65.4
99	56.7	49.0	73.4

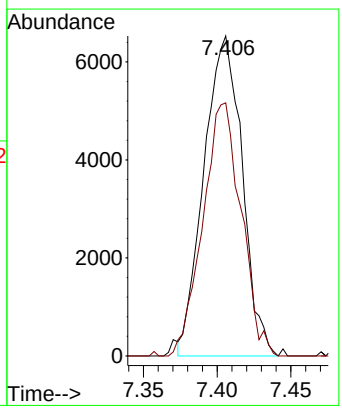


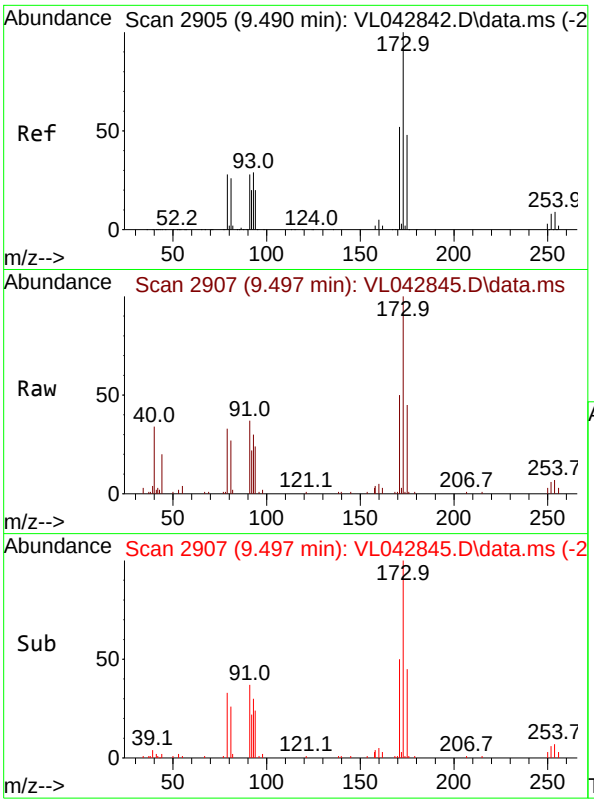


#48
Dibromochloromethane
Concen: 0.497 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:129 Resp: 11805

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.4	118.2



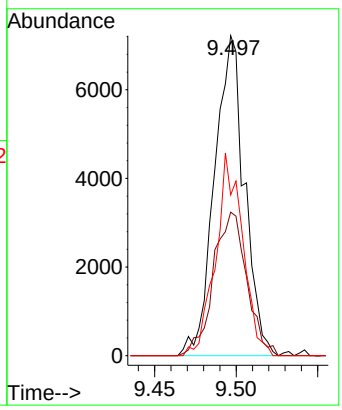


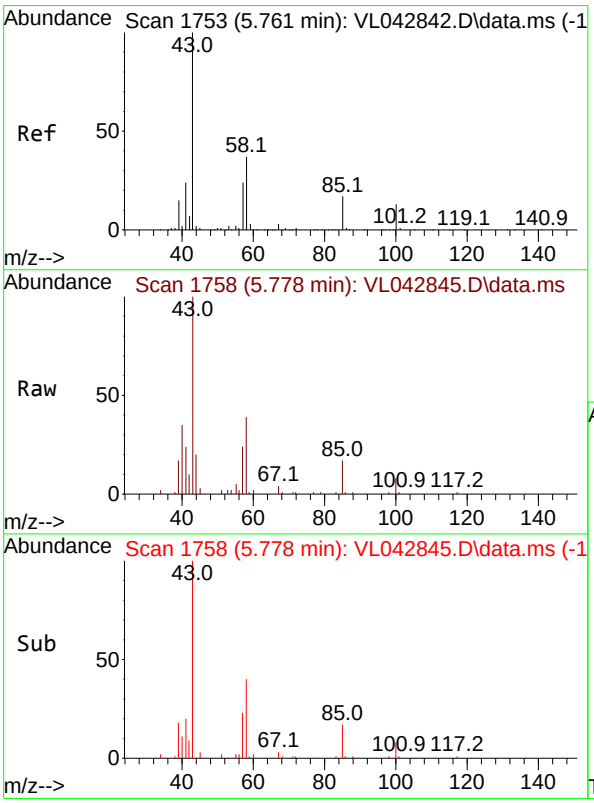
#49
Bromoform
Concen: 0.471 ppbv
RT: 9.497 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 9232

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.2	58.8
171	57.0	41.3	61.9

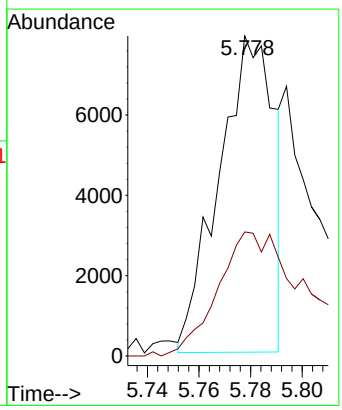


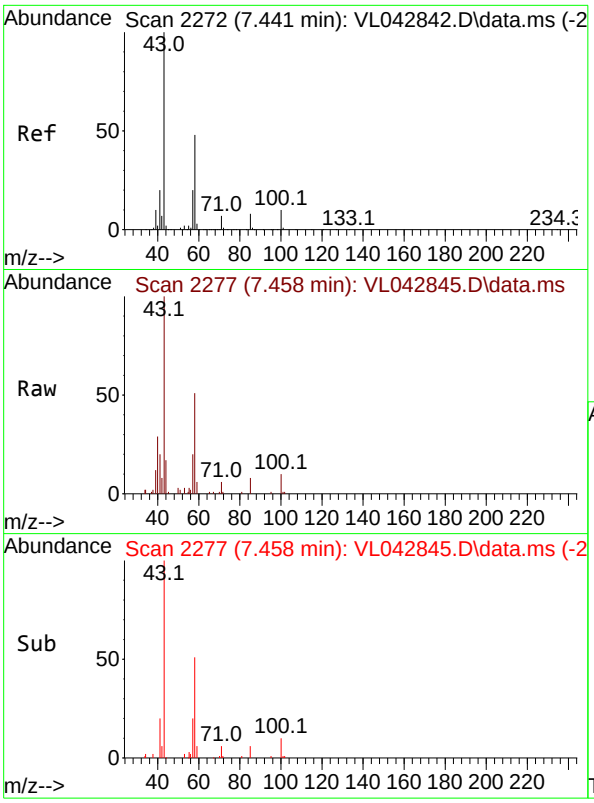


#50
4-Methyl-2-Pentanone
Concen: 0.321 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 43 Resp: 11657

Ion	Ratio	Lower	Upper
43	100		
58	66.0	29.8	44.8#



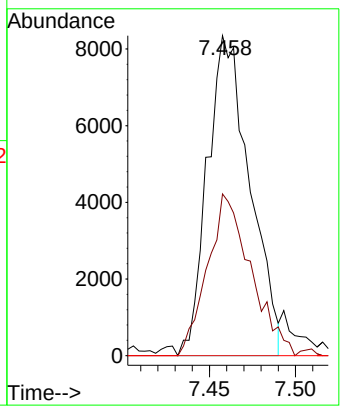


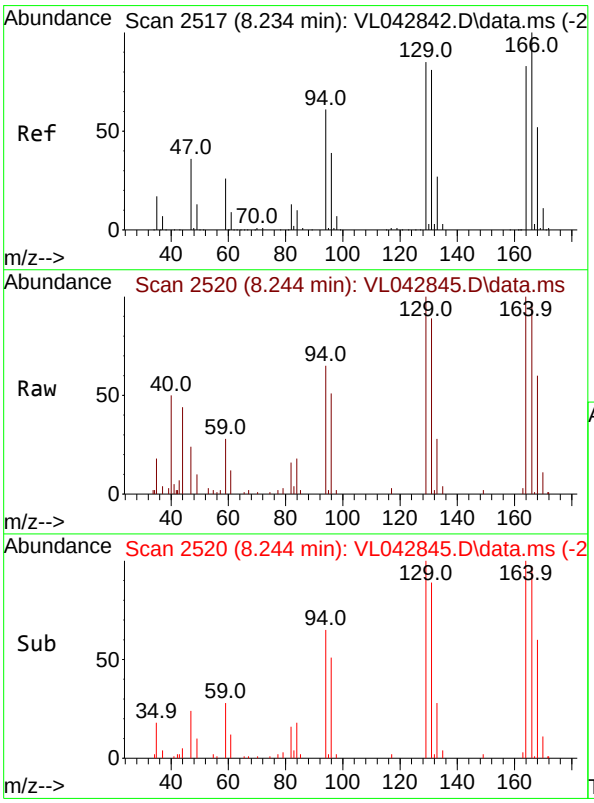
#51
2-Hexanone
Concen: 0.503 ppbv
RT: 7.458 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 14329

Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.0	61.6
98	0.0	0.1	0.1#

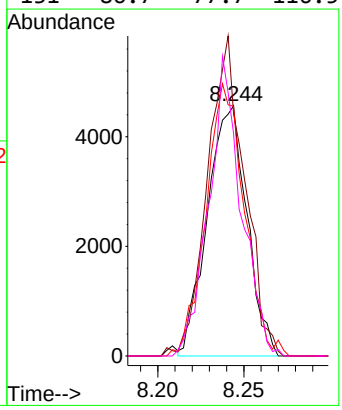


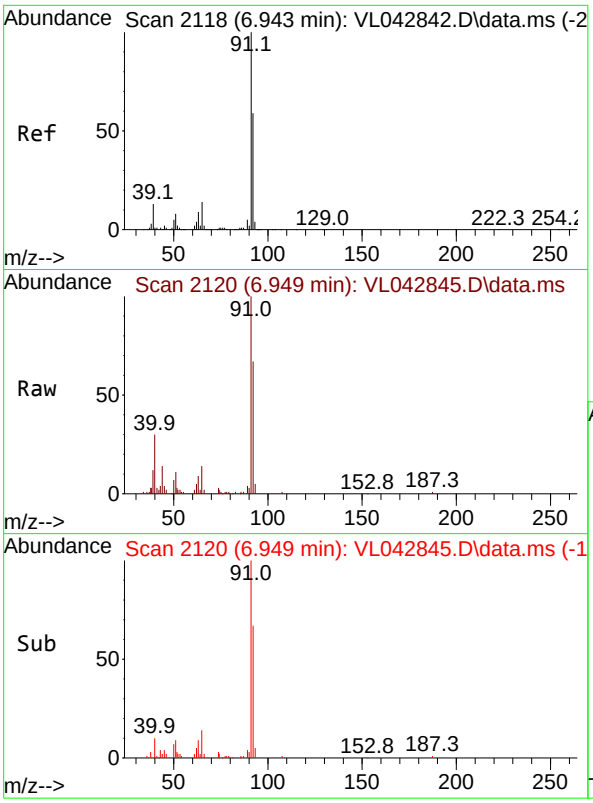


#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:164 Resp: 7304

Ion	Ratio	Lower	Upper
164	100		
166	95.1	96.5	144.7#
129	98.0	81.8	122.6
131	86.7	77.7	116.5



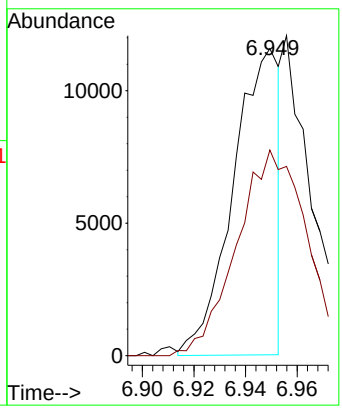


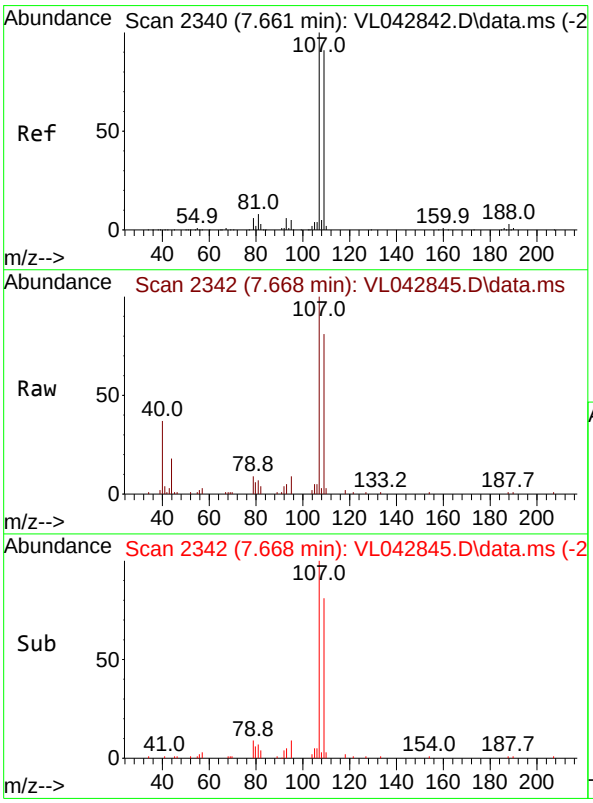
#53
Toluene
Concen: 0.318 ppbv
RT: 6.949 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 14358

Ion	Ratio	Lower	Upper
91	100		
92	104.5	47.8	71.6#

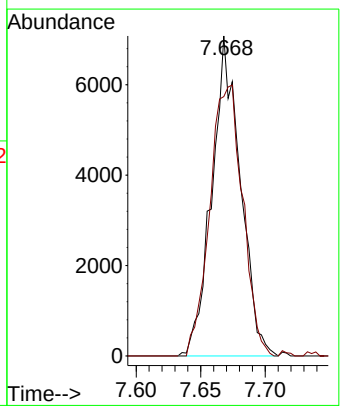


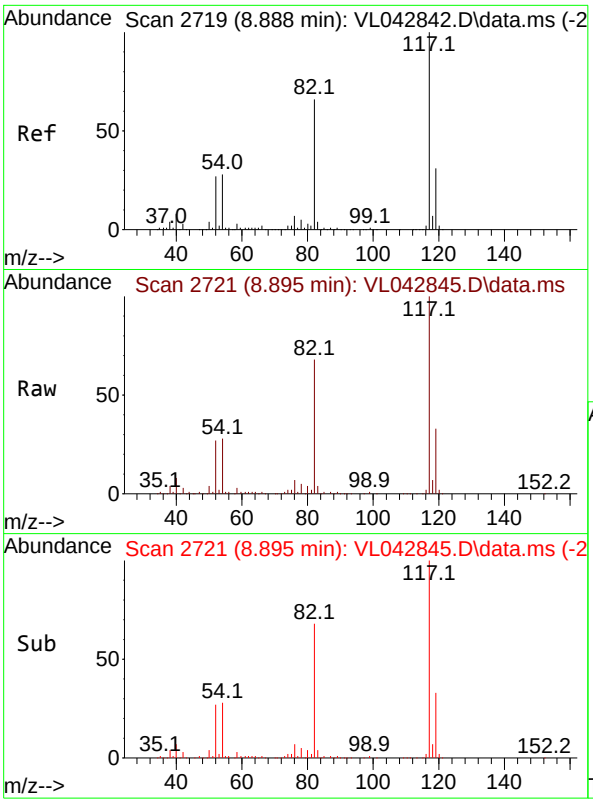


#54
1,2-Dibromoethane
Concen: 0.507 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:107 Resp: 10873

Ion	Ratio	Lower	Upper
107	100		
109	81.0	72.5	108.7



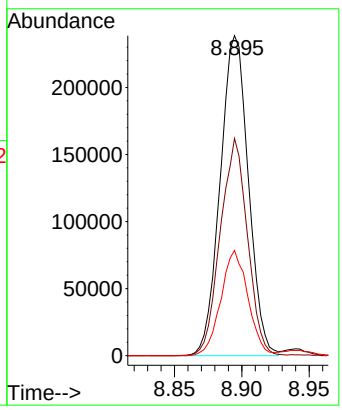


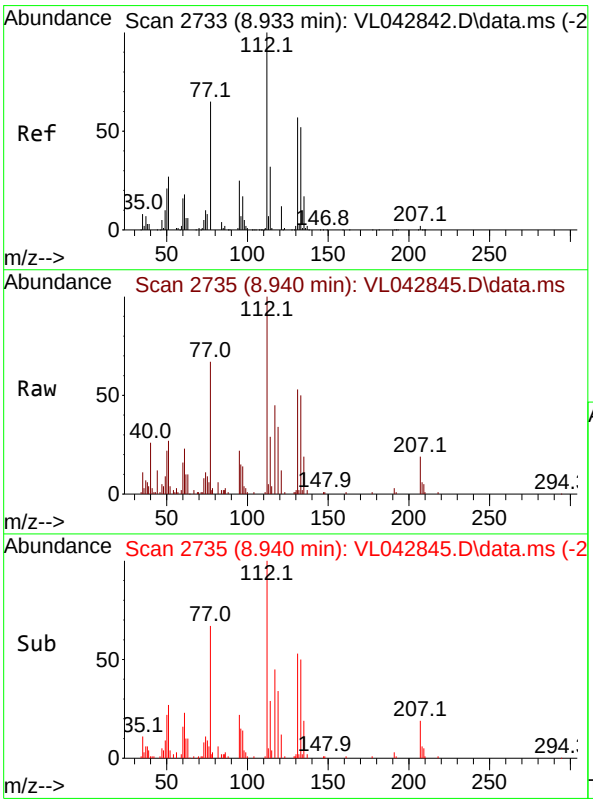
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 348005

Ion	Ratio	Lower	Upper
117	100		
82	65.4	54.6	81.8
119	33.4	25.9	38.9

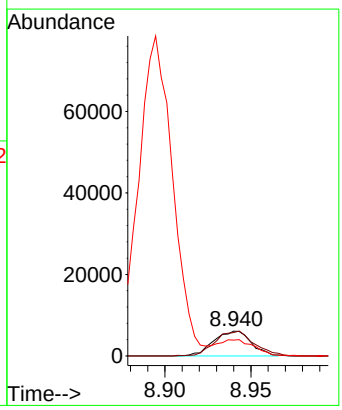


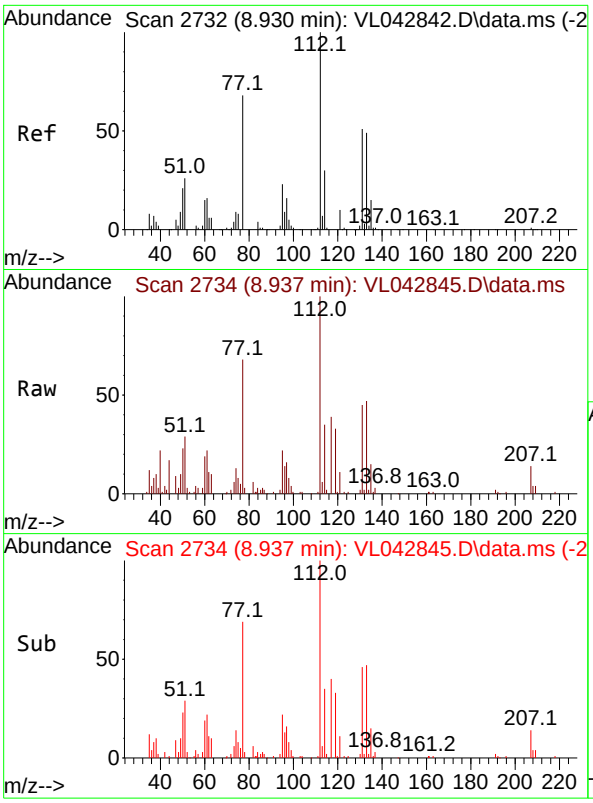


#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:131 Resp: 9300

Ion	Ratio	Lower	Upper
131	100		
133	102.5	77.4	116.0
119	1250.4	51.2	76.8#



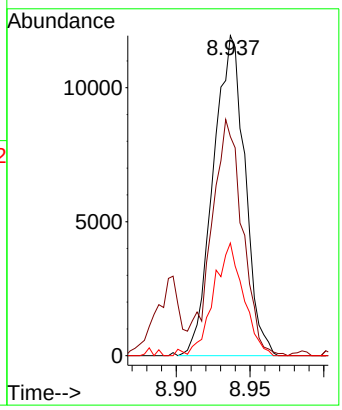


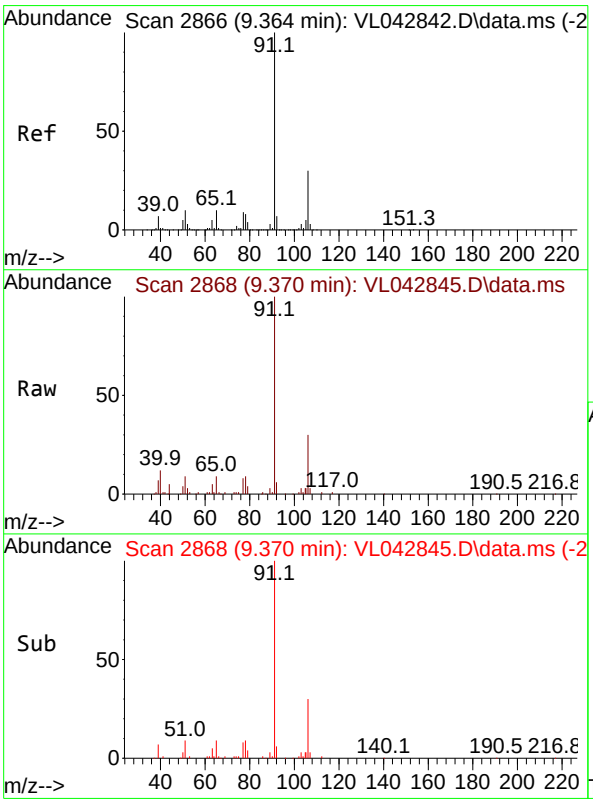
#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 8.937 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 17845

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	35.2	27.2	33.2#

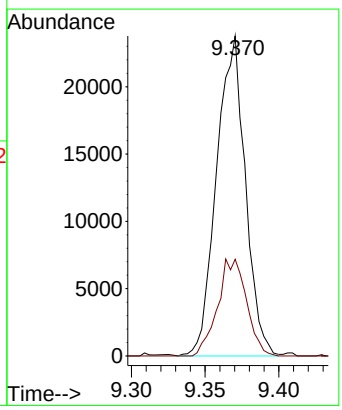


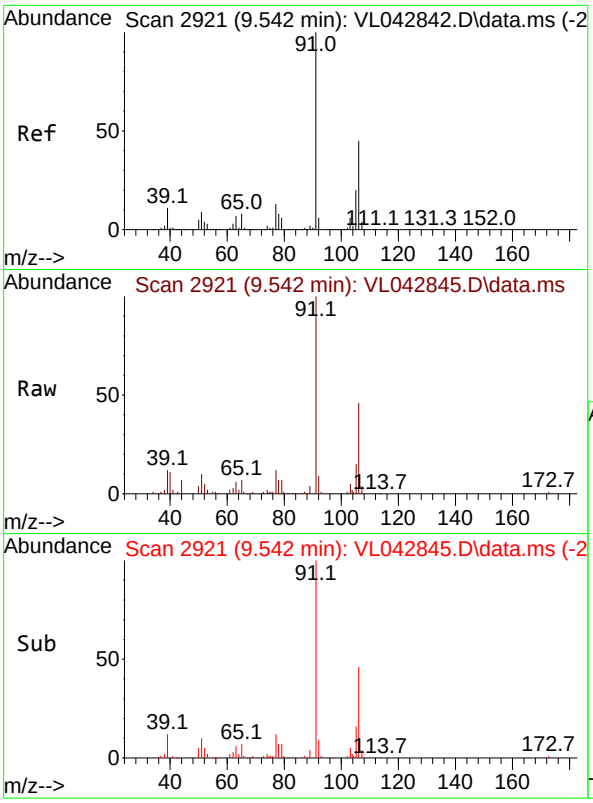


#58
Ethyl Benzene
Concen: 0.525 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 32261

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9



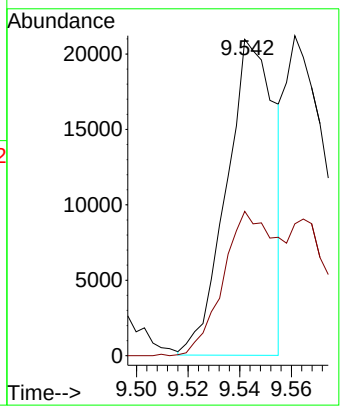


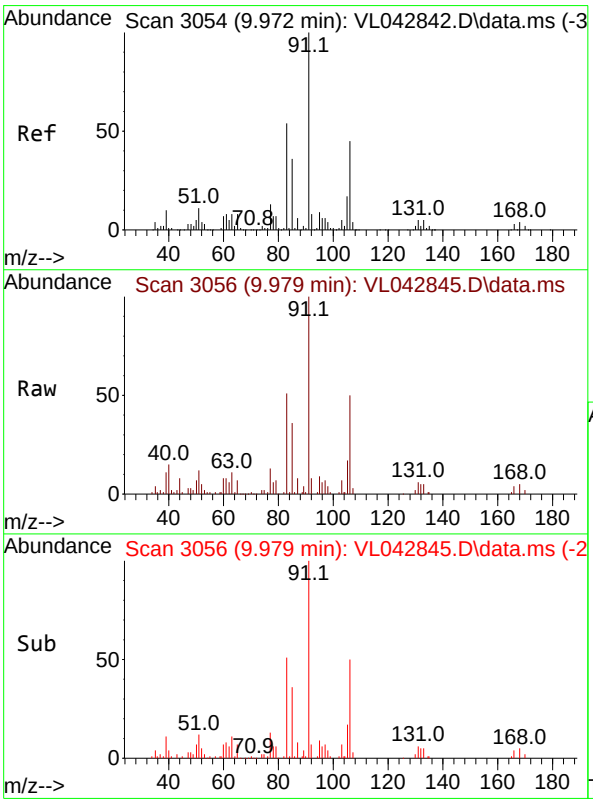
#59
m/p-Xylene
Concen: 0.561 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 27059

Ion	Ratio	Lower	Upper
91	100		
106	87.4	0.0	0.0#

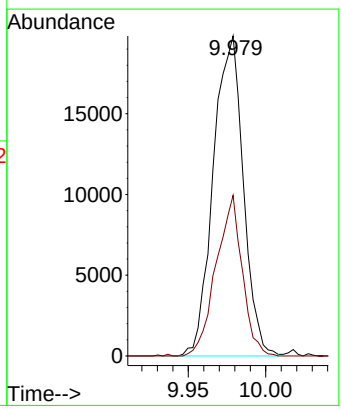


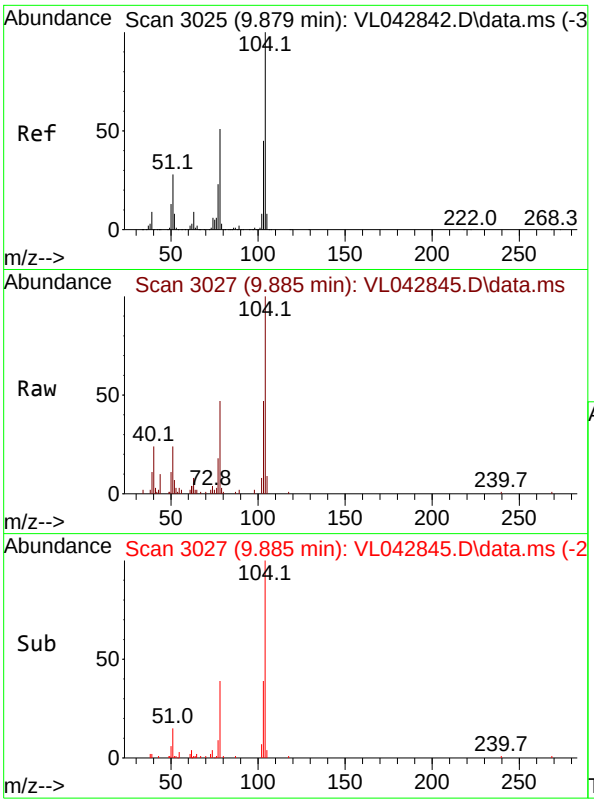


#60
o-Xylene
Concen: 0.551 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 26662

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.8	65.4



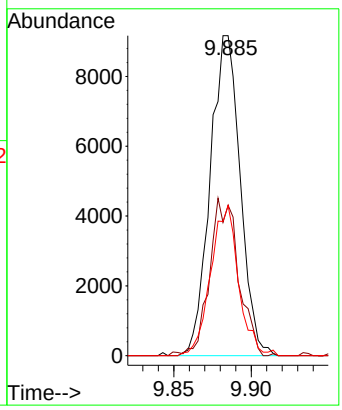


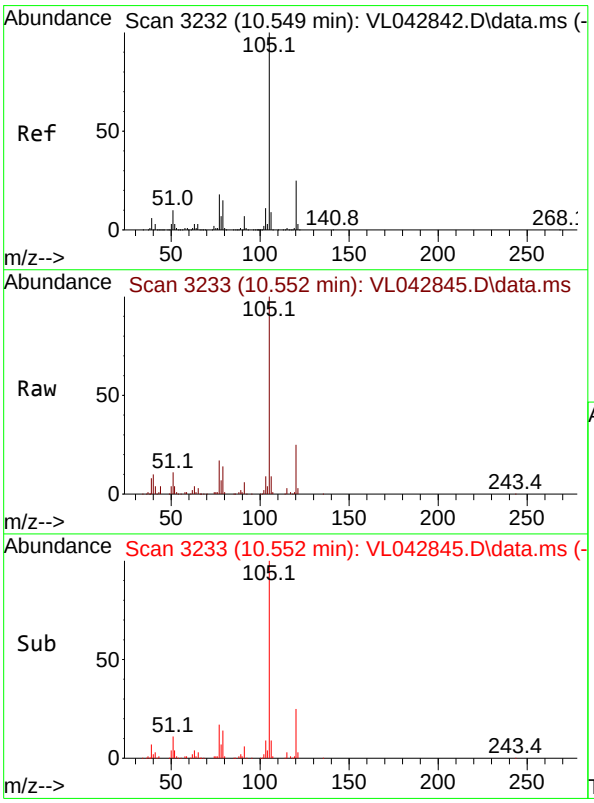
#61
Styrene
Concen: 0.546 ppbv
RT: 9.885 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 12379

Ion	Ratio	Lower	Upper
104	100		
78	47.4	40.6	61.0
103	43.4	37.7	56.5

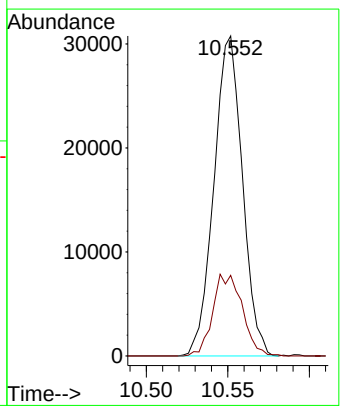


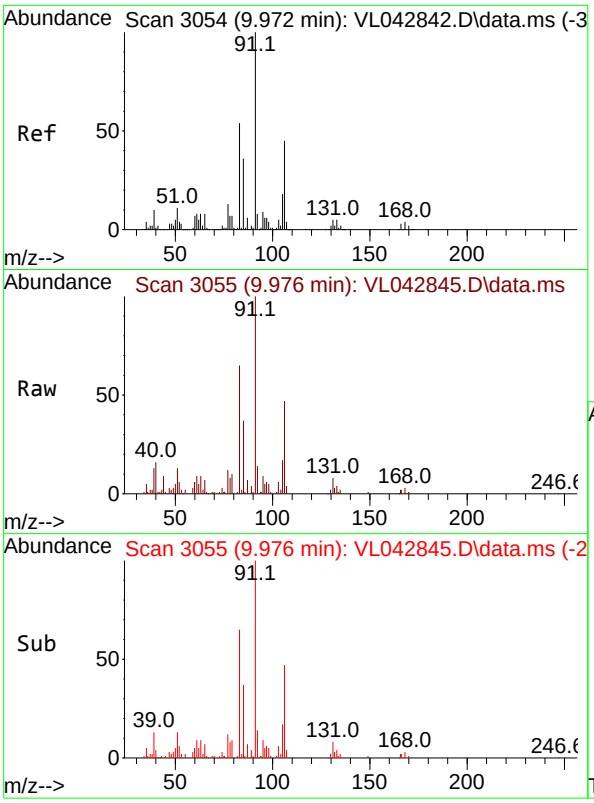


#62
Isopropylbenzene
Concen: 0.529 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 37401

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.6	30.8



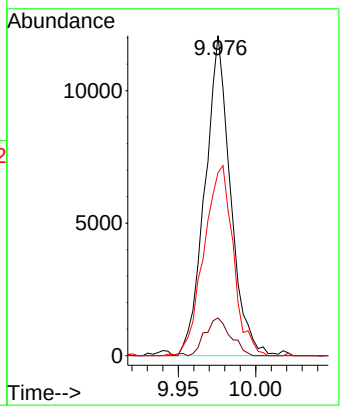


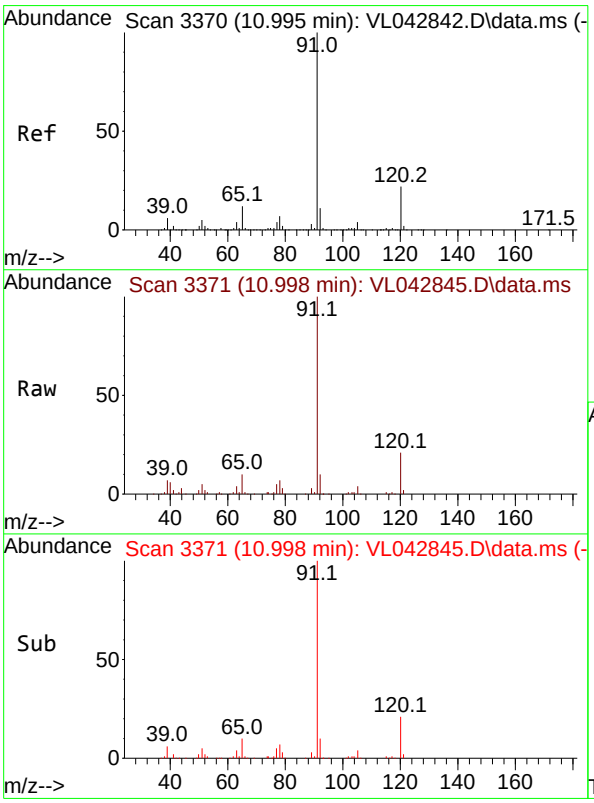
#63
1,1,2,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 9.976 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 13828

Ion	Ratio	Lower	Upper
83	100		
131	12.0	4.8	14.3
85	68.3	32.3	96.8

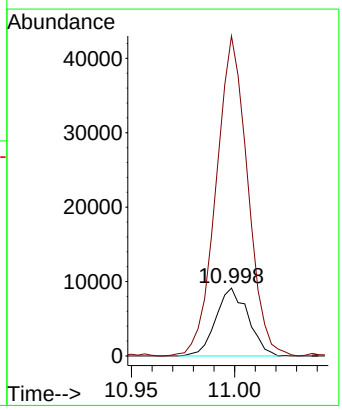


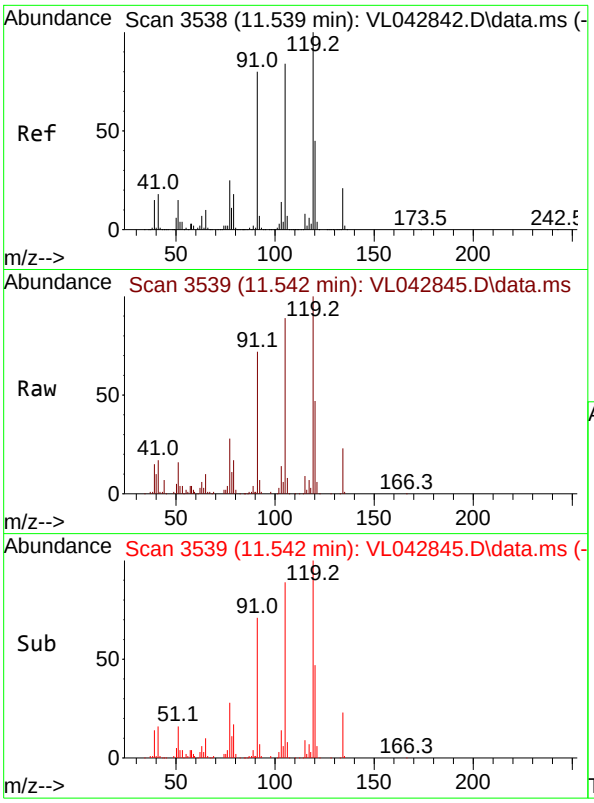


#64
n-propylbenzene
Concen: 0.550 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:120 Resp: 9922

Ion	Ratio	Lower	Upper
120	100		
91	463.3	375.8	563.6



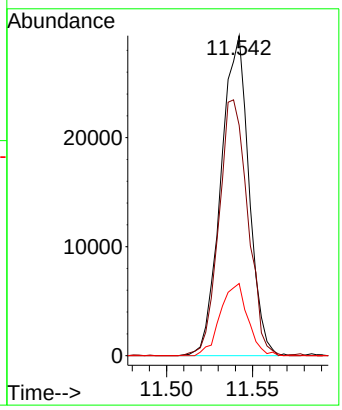


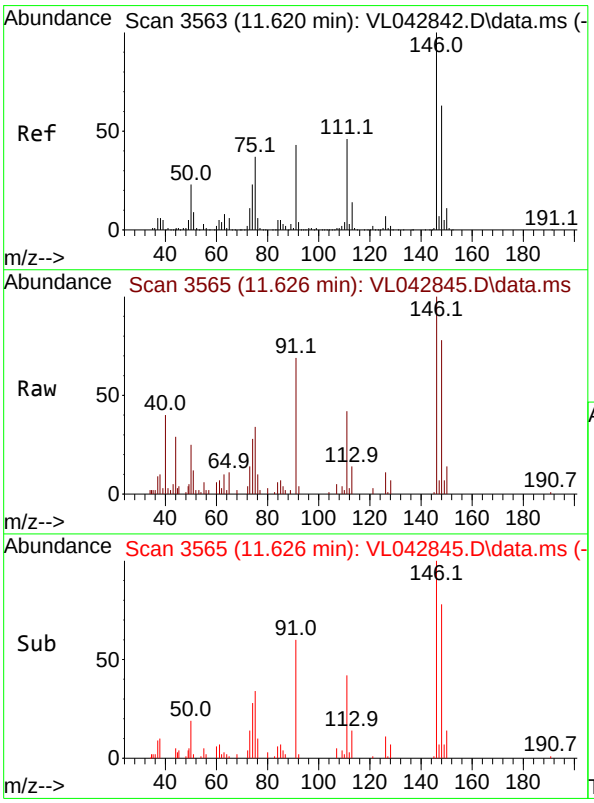
#65
tert-Butylbenzene
Concen: 0.532 ppbv
RT: 11.542 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 33183

Ion	Ratio	Lower	Upper
119	100		
91	82.8	63.9	95.9
134	22.1	17.0	25.4

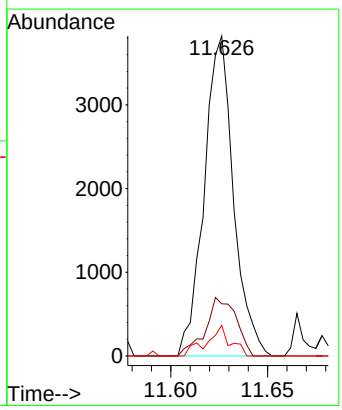


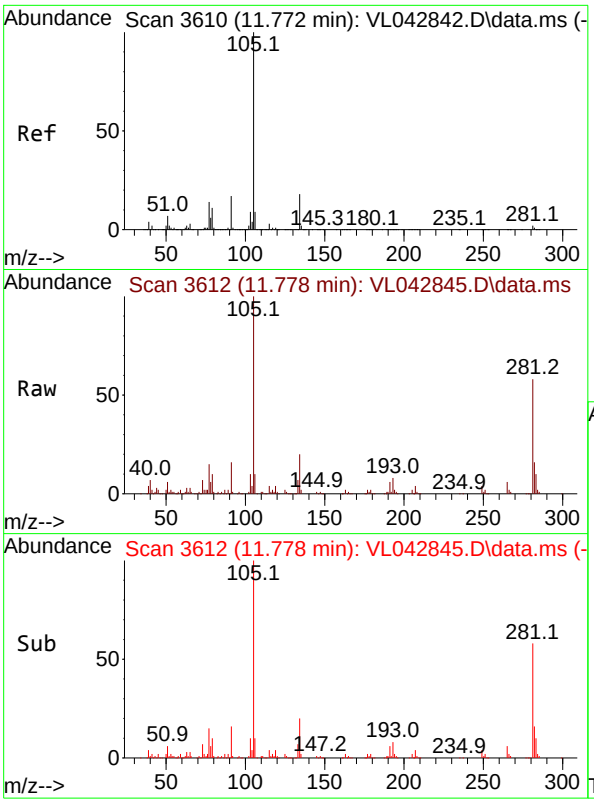


#66
Benzyl Chloride
Concen: 0.510 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 4039

Ion	Ratio	Lower	Upper
91	100		
126	19.0	14.2	21.4
128	7.6	5.0	7.6#



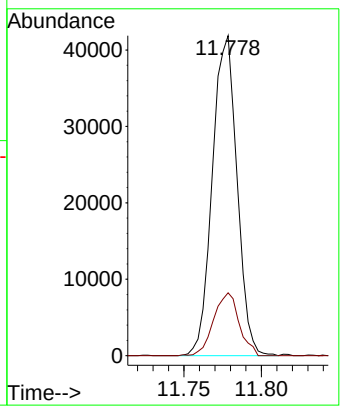


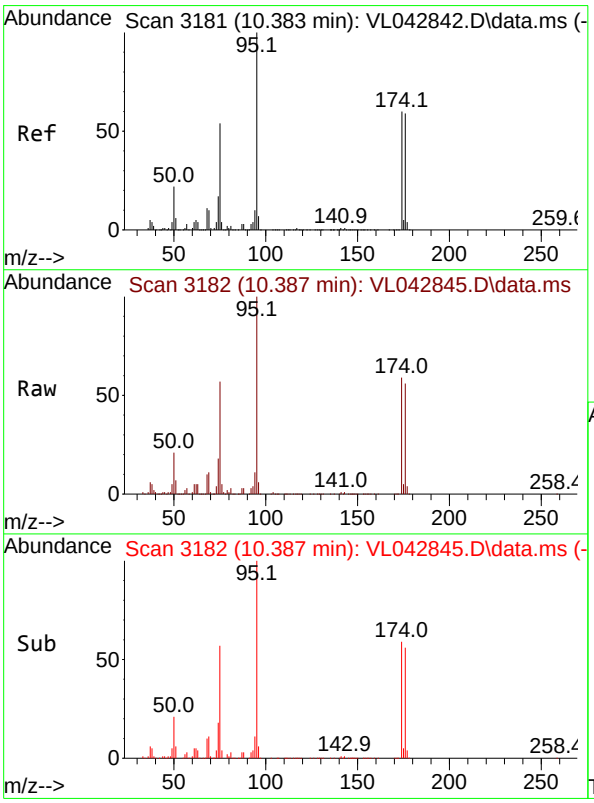
#67
sec-Butylbenzene
Concen: 0.530 ppbv
RT: 11.778 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 46433

Ion	Ratio	Lower	Upper
105	100		
134	20.3	14.9	22.3

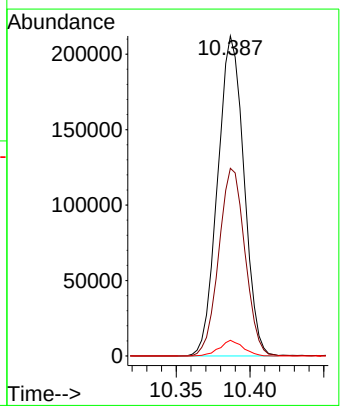


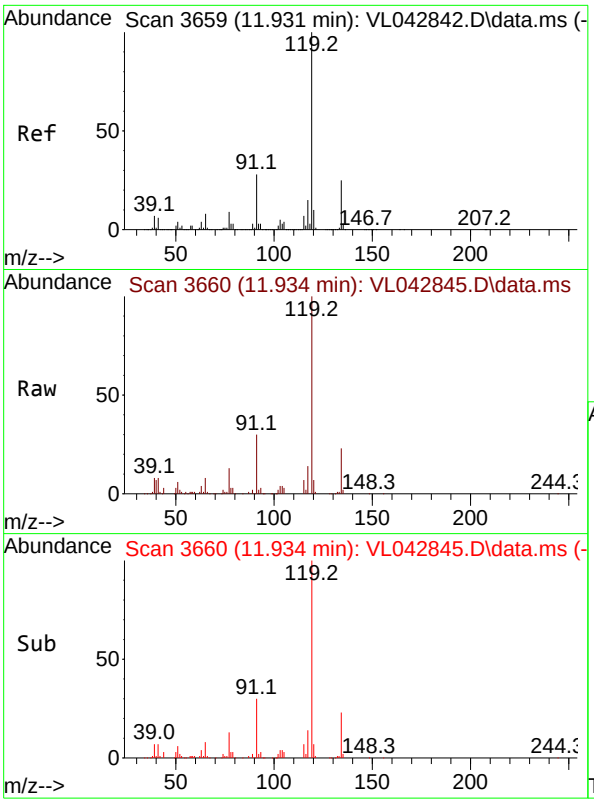


#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 95 Resp: 262663

Ion	Ratio	Lower	Upper
95	100		
174	58.8	48.4	72.6
175	4.4	3.8	5.8



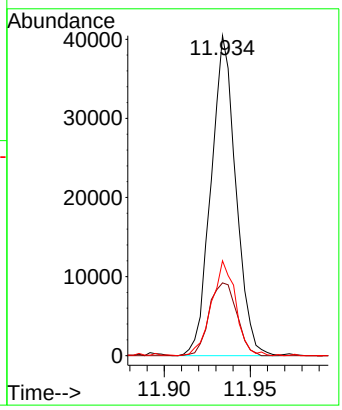


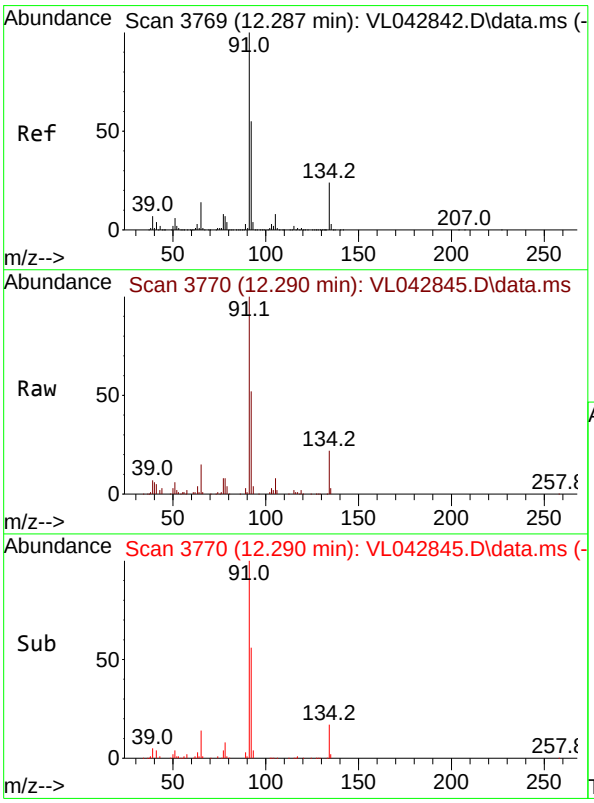
#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 40686

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.0	22.6	34.0

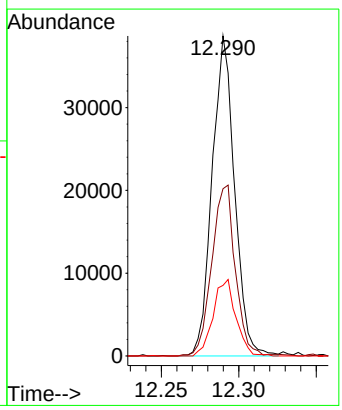


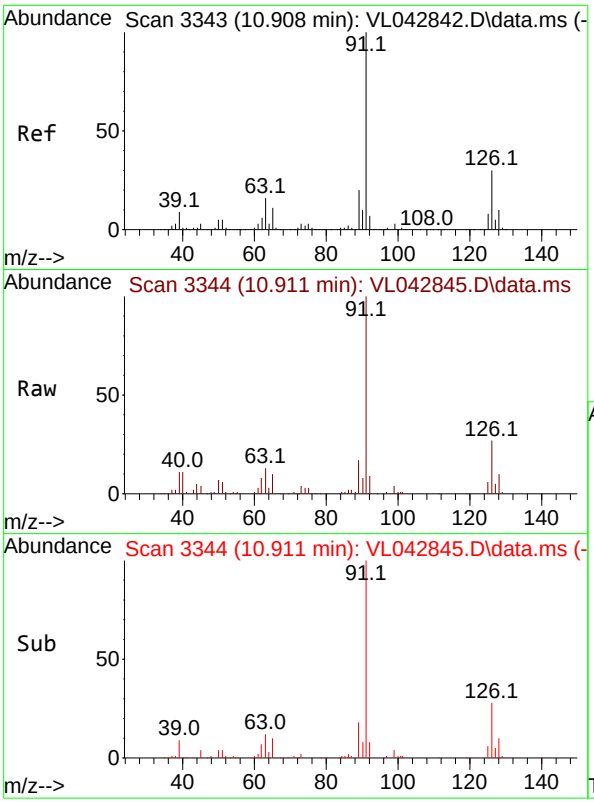


#70
n-Butylbenzene
Concen: 0.521 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 38867

Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.6	66.8
134	24.2	19.0	28.4



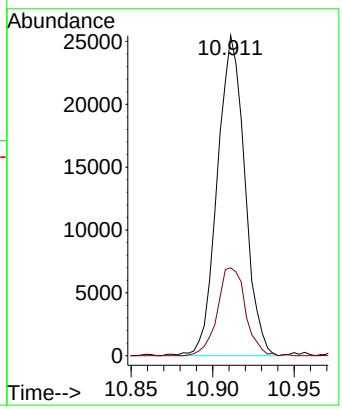


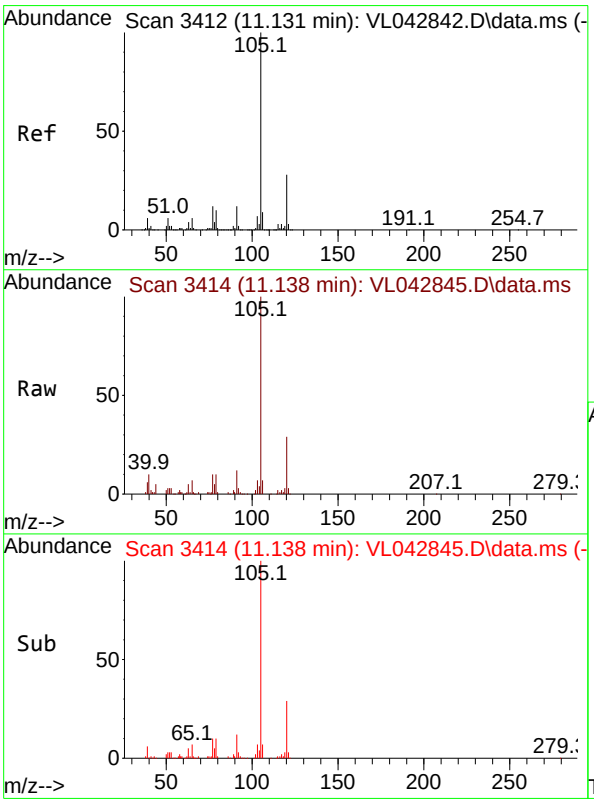
#71
2-Chlorotoluene
Concen: 0.541 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 29736

Ion	Ratio	Lower	Upper
91	100		
126	28.2	12.0	47.8

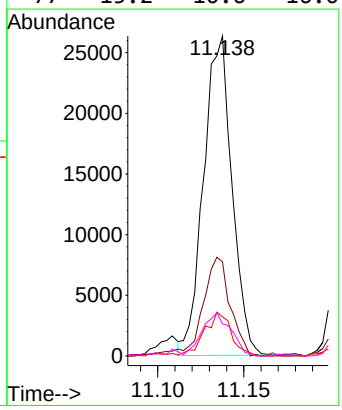


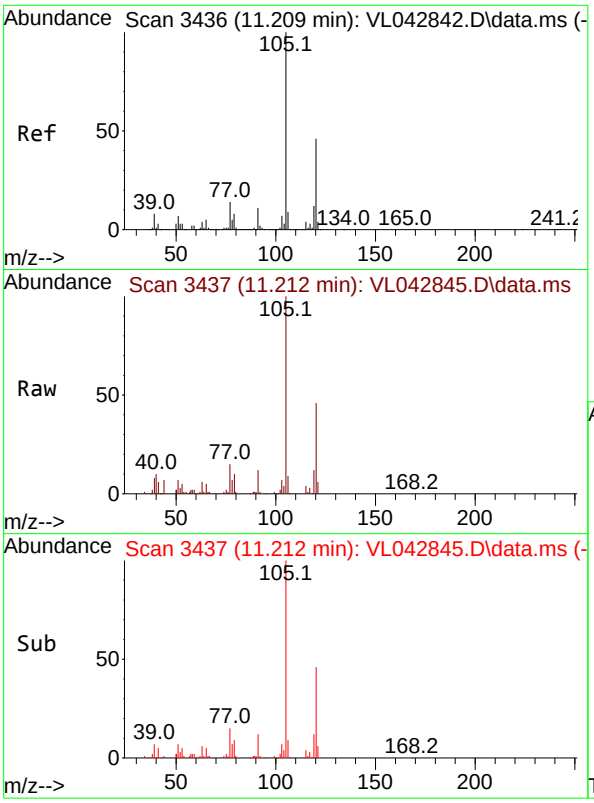


#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 30234

Ion	Ratio	Lower	Upper
105	100		
120	30.5	23.4	35.2
91	13.8	9.8	14.6
77	15.2	10.6	16.0



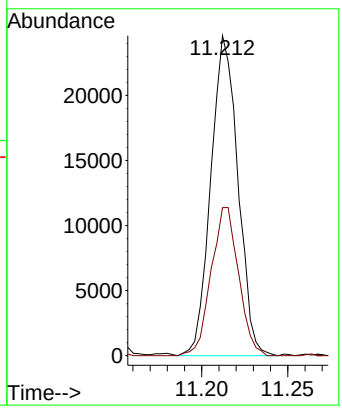


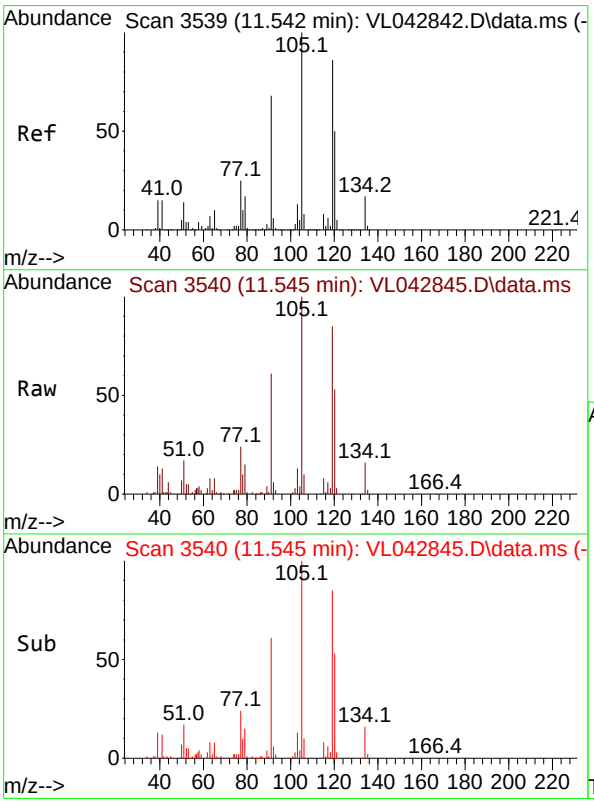
#73
1,3,5-Trimethylbenzene
Concen: 0.540 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 26942

Ion	Ratio	Lower	Upper
105	100		
120	46.2	36.6	54.8

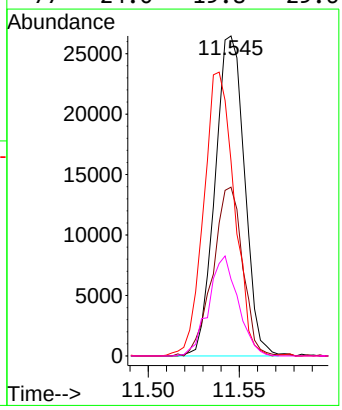


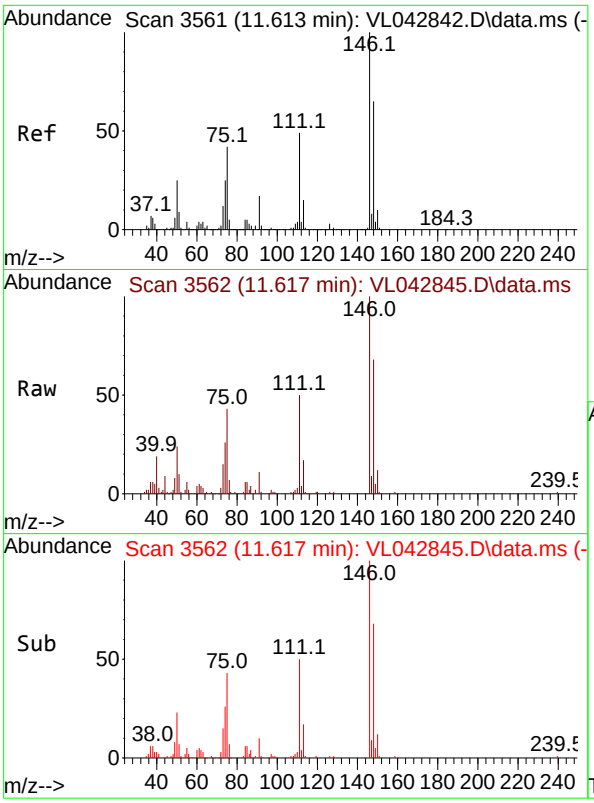


#74
1,2,4-Trimethylbenzene
Concen: 0.543 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:105 Resp: 29750

Ion	Ratio	Lower	Upper
105	100		
120	52.4	39.8	59.6
91	60.6	54.2	81.4
77	24.0	19.8	29.6



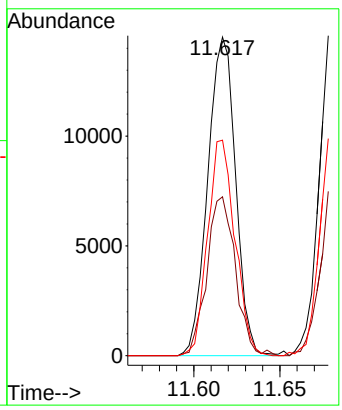


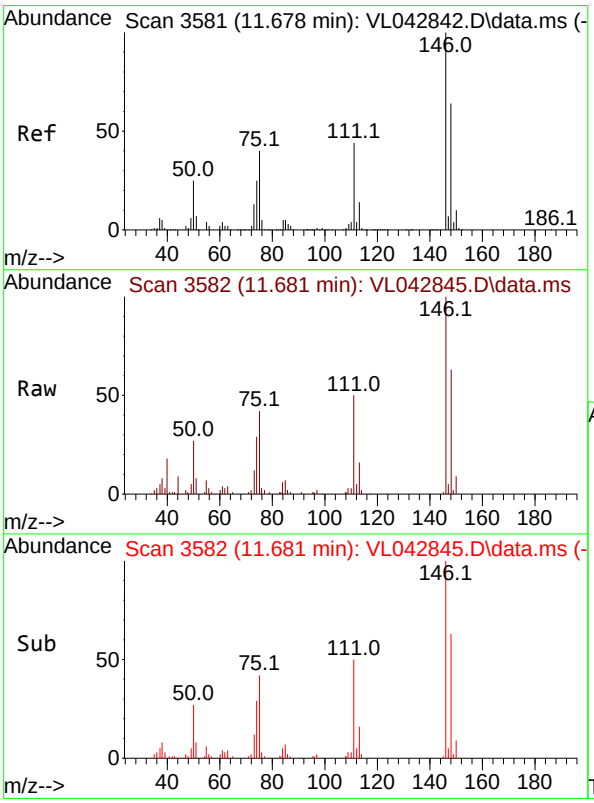
#75
1,3-Dichlorobenzene
Concen: 0.524 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 16311

Ion	Ratio	Lower	Upper
146	100		
111	51.2	23.9	71.7
148	66.5	31.4	94.0

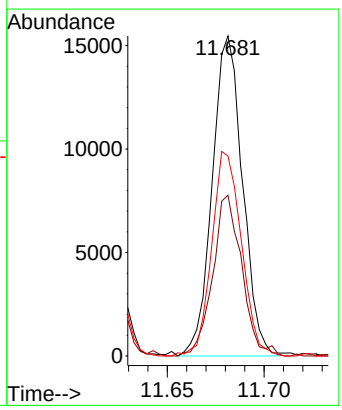


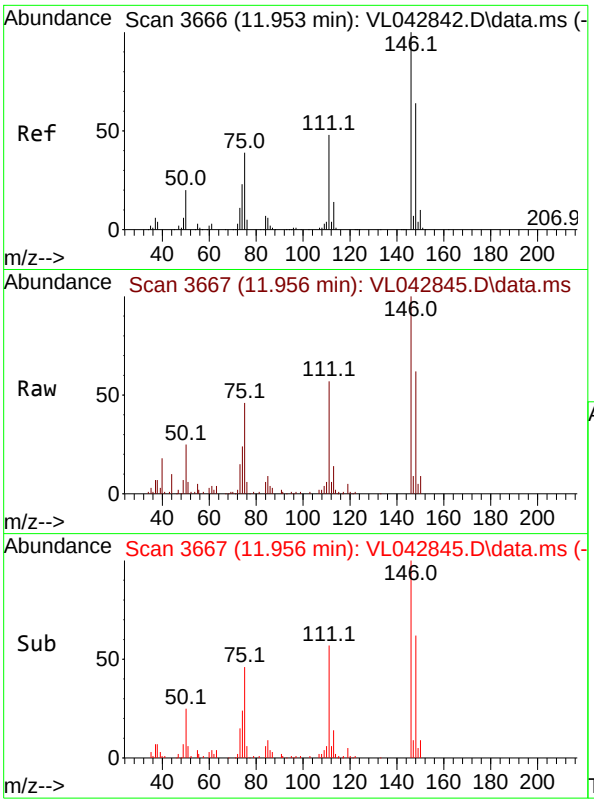


#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:146 Resp: 16803

Ion	Ratio	Lower	Upper
146	100		
111	48.3	22.7	68.1
148	62.7	31.8	95.3



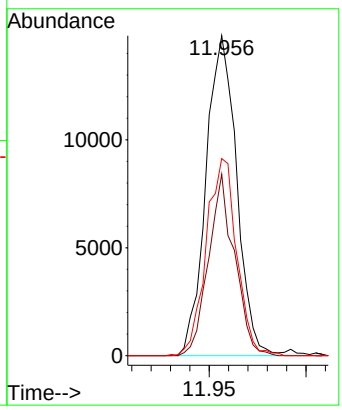


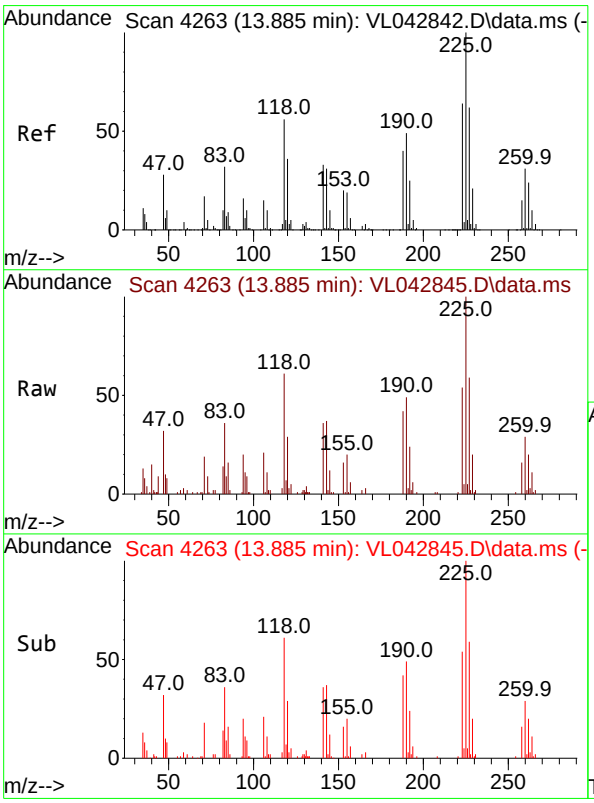
#77
1,2-Dichlorobenzene
Concen: 0.535 ppbv
RT: 11.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 16306

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.6	74.0
148	61.1	32.0	96.0

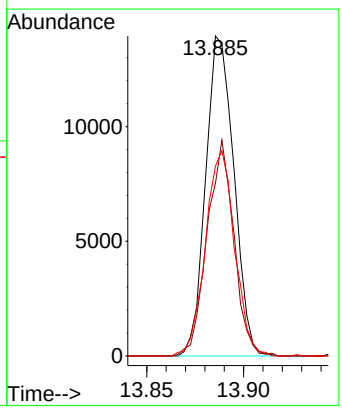


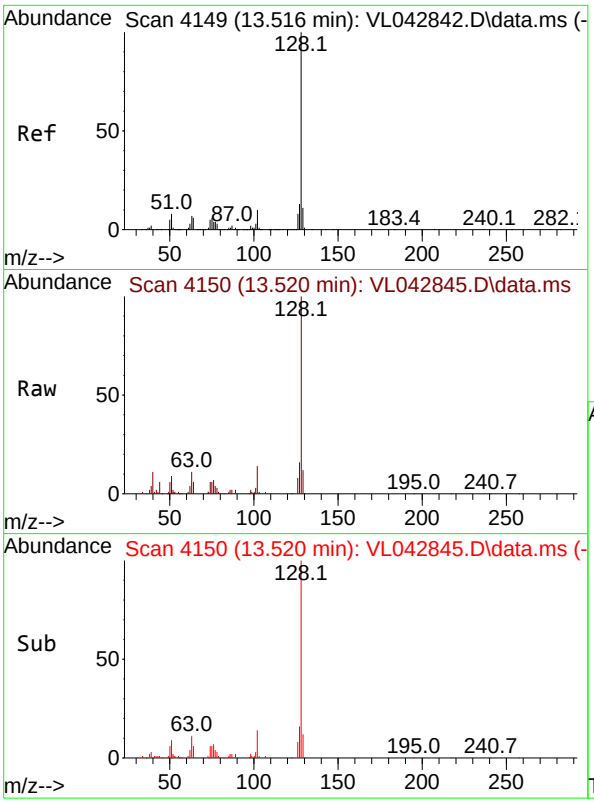


#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:225 Resp: 14165

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.4	77.2
227	66.2	51.9	77.9



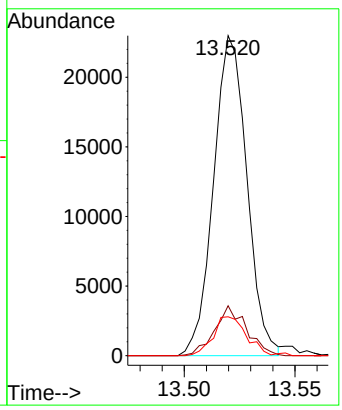


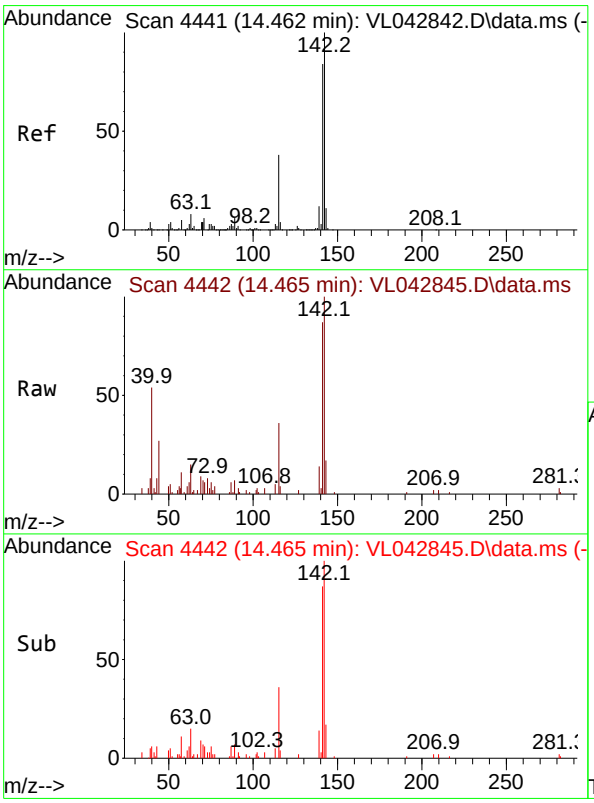
#79
Naphthalene
Concen: 0.491 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 24056

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	16.0
129	12.2	8.9	13.3

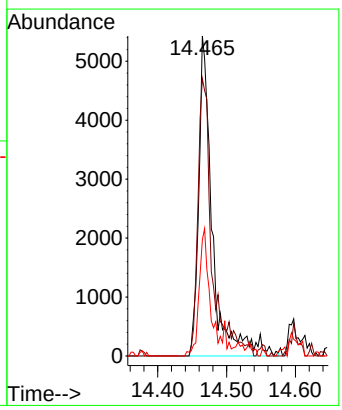


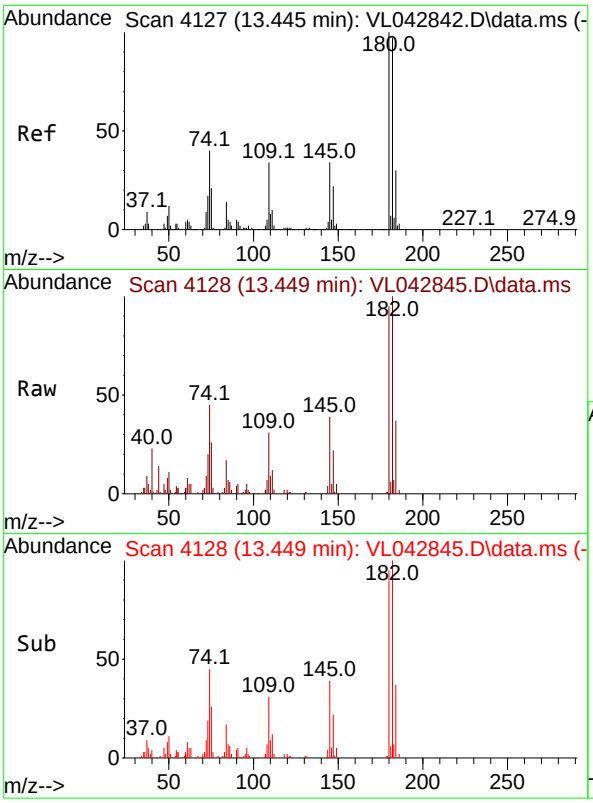


#80
Naphthalene,2-methyl-
Concen: 0.405 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:142 Resp: 7482

Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.0	100.6
115	38.5	30.9	46.3



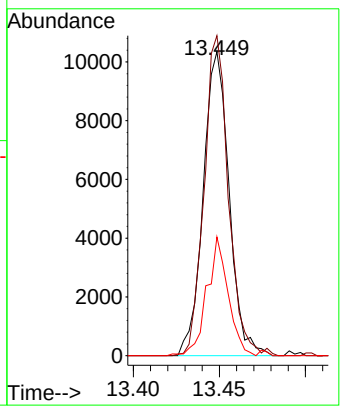


#81
1,2,4-Trichlorobenzene
Concen: 0.434 ppbv
RT: 13.449 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 10844

Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.9	115.3
184	32.6	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	123711	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	390520	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	345073	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	257439	9.948	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	1967	0.108	ppbv		89
3) Chlorodifluoromethane	1.479	51	2553	0.127	ppbv		100
4) Chloromethane	1.538	50	1167	0.160	ppbv	#	72
5) Vinyl Chloride	1.583	62	790	0.110	ppbv	#	86
6) Bromomethane	1.674	94	414	0.144	ppbv	#	32
7) Chloroethane	1.709	64	272	0.097	ppbv	#	23
8) Dichlorotetrafluoroethane	1.557	85	1898	0.128	ppbv		92
9) Propene	1.486	41	1233	0.142	ppbv	#	1
10) Heptane	4.991	43	560	0.024	ppbv	#	1
11) Trichlorofluoromethane	1.557	101	307	0.017	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.146	101	1758	0.123	ppbv		93
13) Ethanol	1.890	45	1584	1.847	ppbv		80
14) Bromoethene	1.787	108	602	0.117	ppbv	#	30
15) Acetone	1.839	43	3411	0.208	ppbv	#	72
16) 1,3-Butadiene	1.612	39	795	0.107	ppbv	#	16
17) tert-Butyl alcohol	2.046	59	2697	0.139	ppbv	#	64
18) 1,1-Dichloroethene	2.039	96	964	0.154	ppbv		92
19) Isopropyl Alcohol	1.890	45	1584	0.162	ppbv	#	76
20) Methylene Chloride	2.065	84	2577	0.376	ppbv		92
21) Allyl Chloride	2.098	41	2198	0.190	ppbv	#	67
22) trans-1,2-Dichloroethene	2.039	96	964	0.138	ppbv		86
23) Vinyl Acetate	2.463	43	3002	0.139	ppbv	#	69
24) 1,1-Dichloroethane	2.415	63	1879	0.130	ppbv	#	95
25) Ethyl Acetate	2.836	43	1206	0.030	ppbv	#	74
26) Hexane	2.836	57	2223	0.122	ppbv	#	3
27) Carbon Disulfide	2.156	76	965	0.054	ppbv	#	1
28) Methyl tert-Butyl Ether	2.447	73	1300	0.139	ppbv	#	1
29) Chloroform	2.855	83	2962	0.113	ppbv		98
30) Cyclohexane	3.865	84	835	0.052	ppbv	#	1
31) cis-1,2-Dichloroethene	2.725	61	1839	0.101	ppbv	#	86
32) 1,1,1-Trichloroethane	3.373	97	2627	0.095	ppbv		86
34) 2-Butanone	2.564	43	2970	0.113	ppbv		93
35) Carbon Tetrachloride	3.774	117	2883	0.107	ppbv		89
36) Benzene	3.661	78	2430	0.065	ppbv		97
37) 1,2-Dichloroethane	3.230	62	576	0.029	ppbv	#	47
38) Trichloroethene	4.557	130	624	0.037	ppbv	#	79
39) 1,2-Dichloropropane	3.962	63	96098	7.036	ppbv	#	26
40) 1,4-Dioxane	4.625	88	693	0.108	ppbv	#	17
41) Tetrahydrofuran	3.049	42	78	0.005	ppbv	#	36
42) Bromodichloromethane	4.489	83	756	0.026	ppbv	#	27
43) Methyl Methacrylate	4.894	69	1289	0.084	ppbv	#	61
44) 2,2,4-Trimethylpentane	4.645	57	2178	0.035	ppbv	#	1
45) t-1,3-Dichloropropene	6.415	75	486	0.028	ppbv		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

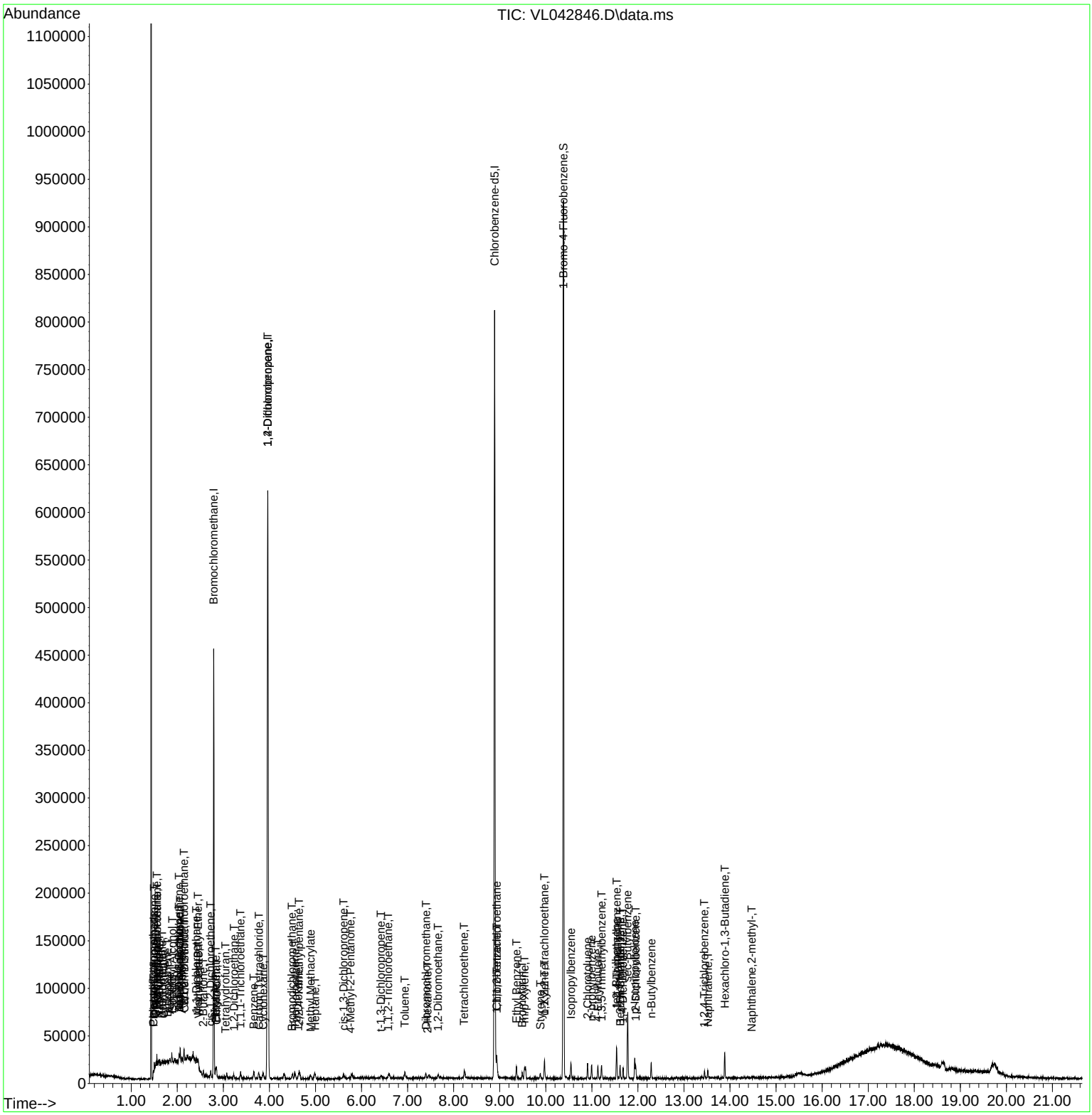
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	1454	0.067	ppbv	#	85
47) 1,1,2-Trichloroethane	6.580	97	260	0.018	ppbv	#	20
48) Dibromochloromethane	7.399	129	2052	0.088	ppbv		74
49) Bromoform	9.487	173	1909	0.099	ppbv		91
50) 4-Methyl-2-Pentanone	5.758	43	266	0.007	ppbv	#	38
51) 2-Hexanone	7.432	43	57	0.002	ppbv	#	27
52) Tetrachloroethene	8.228	164	425	0.031	ppbv	#	56
53) Toluene	6.940	91	1918	0.043	ppbv	#	21
54) 1,2-Dibromoethane	7.658	107	828	0.039	ppbv	#	72
56) 1,1,1,2-Tetrachloroethane	8.937	131	573	0.032	ppbv	#	1
57) Chlorobenzene	8.933	112	3936	0.120	ppbv	#	92
58) Ethyl Benzene	9.361	91	6413	0.105	ppbv		97
59) m/p-Xylene	9.539	91	4356	0.091	ppbv	#	100
60) o-Xylene	9.972	91	5090	0.106	ppbv		91
61) Styrene	9.882	104	2306	0.103	ppbv		98
62) Isopropylbenzene	10.545	105	7444	0.106	ppbv		94
63) 1,1,2,2-Tetrachloroethane	9.972	83	2672	0.102	ppbv		99
64) n-propylbenzene	10.995	120	1372	0.077	ppbv	#	36
65) tert-Butylbenzene	11.532	119	6442	0.104	ppbv		88
66) Benzyl Chloride	11.620	91	276	0.035	ppbv	#	65
67) sec-Butylbenzene	11.772	105	9332	0.107	ppbv	#	91
69) p-Isopropyltoluene	11.934	119	7360	0.099	ppbv	#	93
70) n-Butylbenzene	12.290	91	6458	0.087	ppbv		95
71) 2-Chlorotoluene	10.908	91	5660	0.104	ppbv		100
72) 4-Ethyltoluene	11.131	105	5621	0.097	ppbv	#	88
73) 1,3,5-Trimethylbenzene	11.212	105	5297	0.107	ppbv		93
74) 1,2,4-Trimethylbenzene	11.542	105	5786	0.106	ppbv	#	83
75) 1,3-Dichlorobenzene	11.617	146	3112	0.101	ppbv		93
76) 1,4-Dichlorobenzene	11.675	146	2717	0.087	ppbv		92
77) 1,2-Dichlorobenzene	11.953	146	3151	0.104	ppbv		99
78) Hexachloro-1,3-Butadiene	13.885	225	2639	0.106	ppbv		95
79) Naphthalene	13.520	128	3670	0.075	ppbv	#	94
80) Naphthalene,2-methyl-	14.471	142	682	0.037	ppbv	#	82
81) 1,2,4-Trichlorobenzene	13.442	180	1342	0.054	ppbv		90

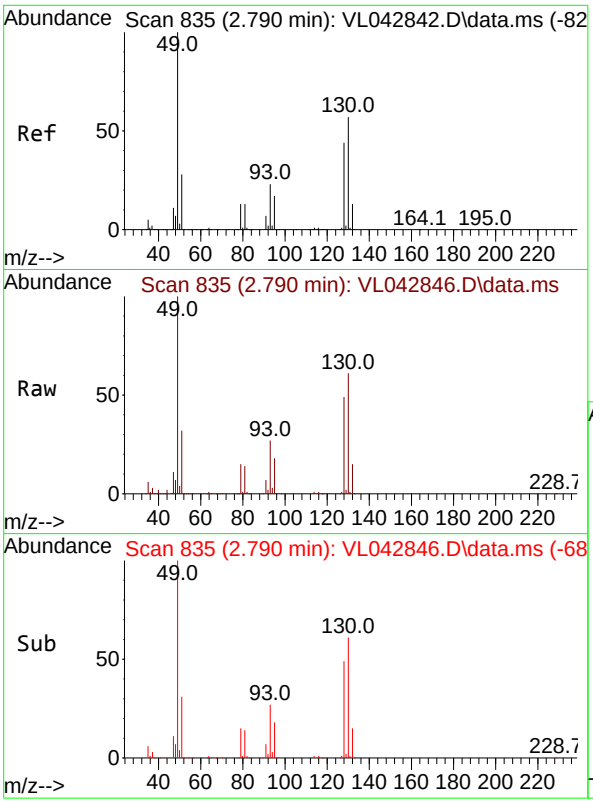
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



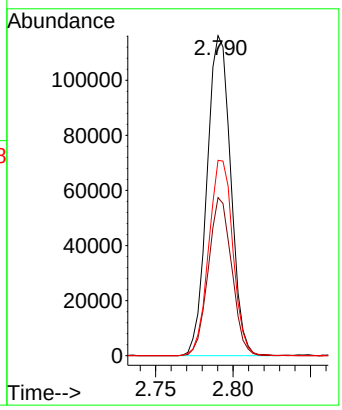


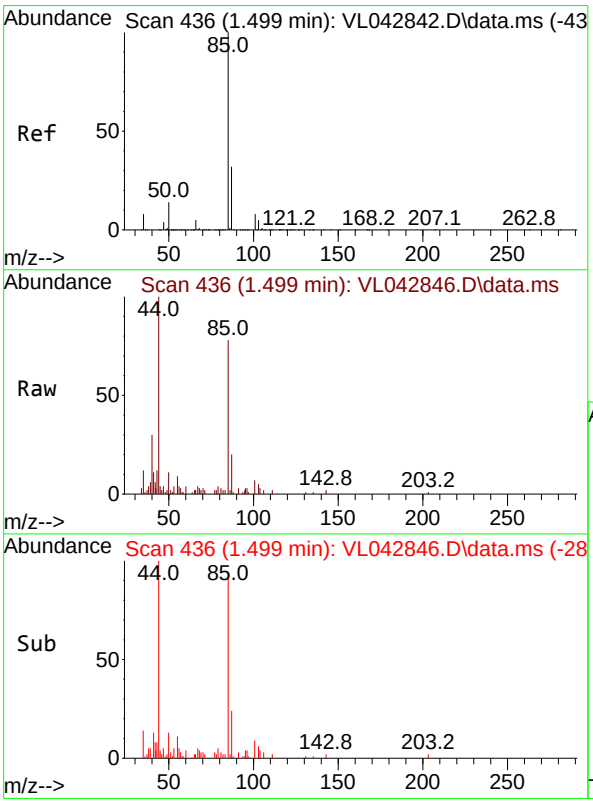
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 123711

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.7	71.1
130	62.1	30.6	91.6

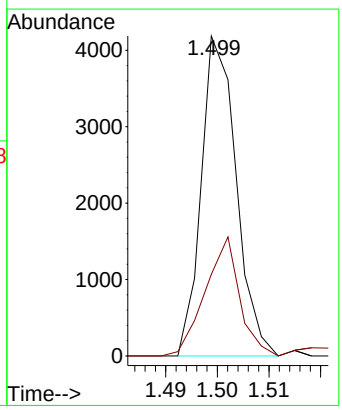


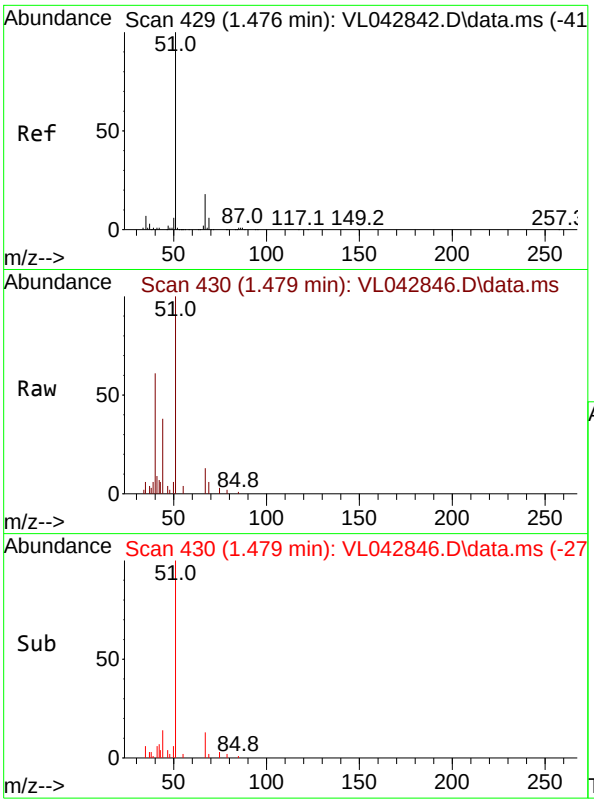


#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 85 Resp: 1967

Ion	Ratio	Lower	Upper
85	100		
87	25.5	25.3	37.9



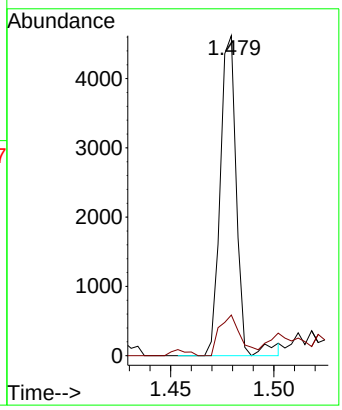


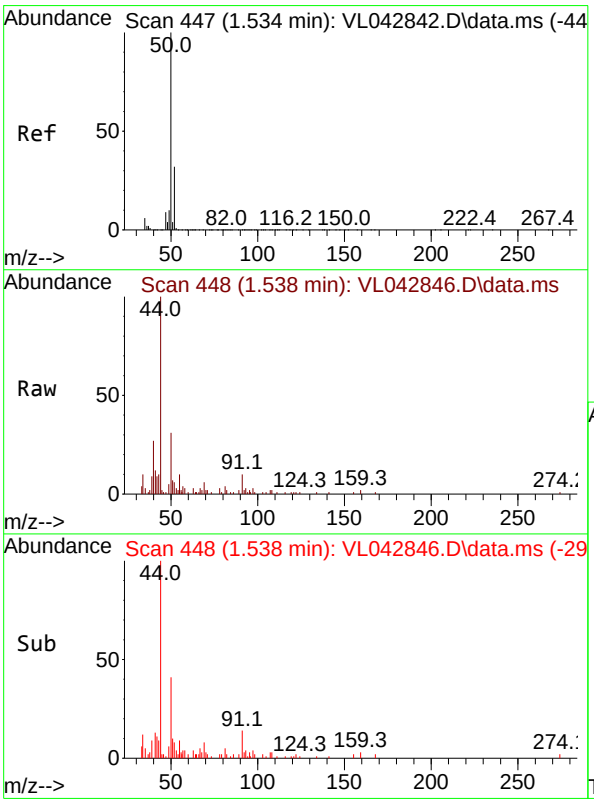
#3
Chlorodifluoromethane
Concen: 0.127 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 2553

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

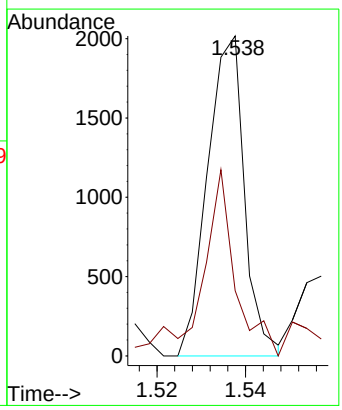


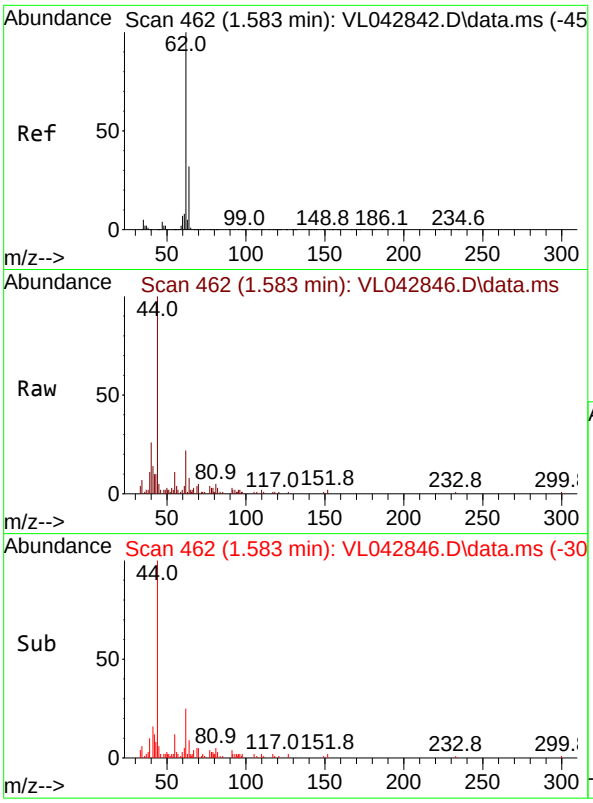


#4
Chloromethane
Concen: 0.160 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 50 Resp: 1167

Ion	Ratio	Lower	Upper
50	100		
52	16.8	25.9	38.9#



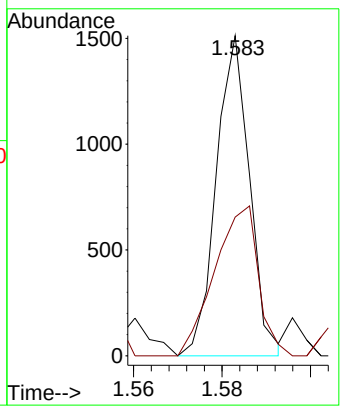


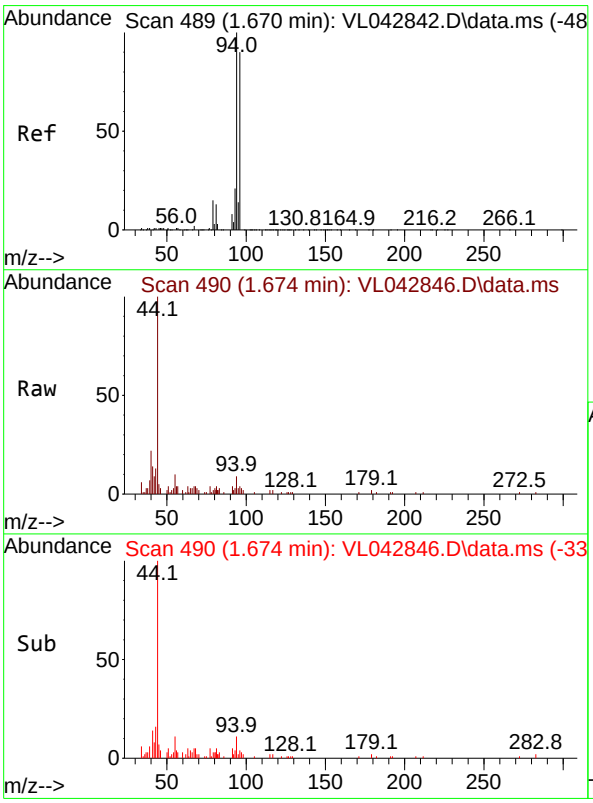
#5
Vinyl Chloride
Concen: 0.110 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 790

Ion	Ratio	Lower	Upper
62	100		
64	39.7	25.4	38.2#

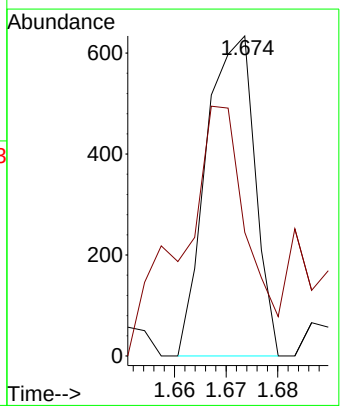


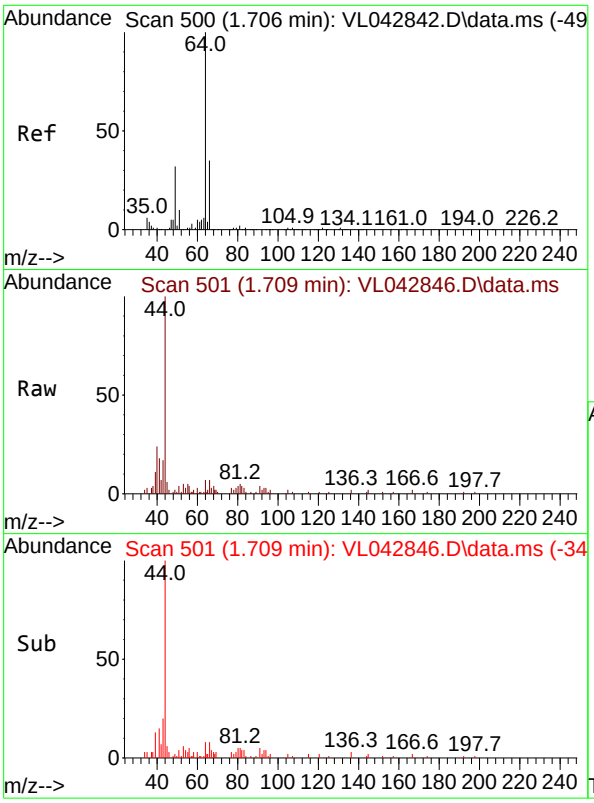


#6
Bromomethane
Concen: 0.144 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 94 Resp: 414

Ion	Ratio	Lower	Upper
94	100		
96	26.3	72.1	108.1#



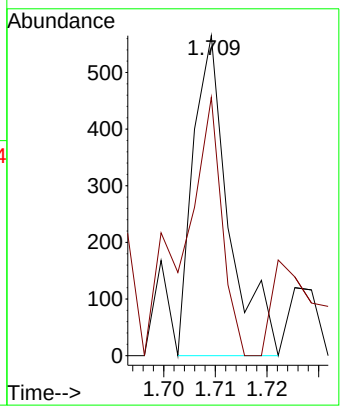


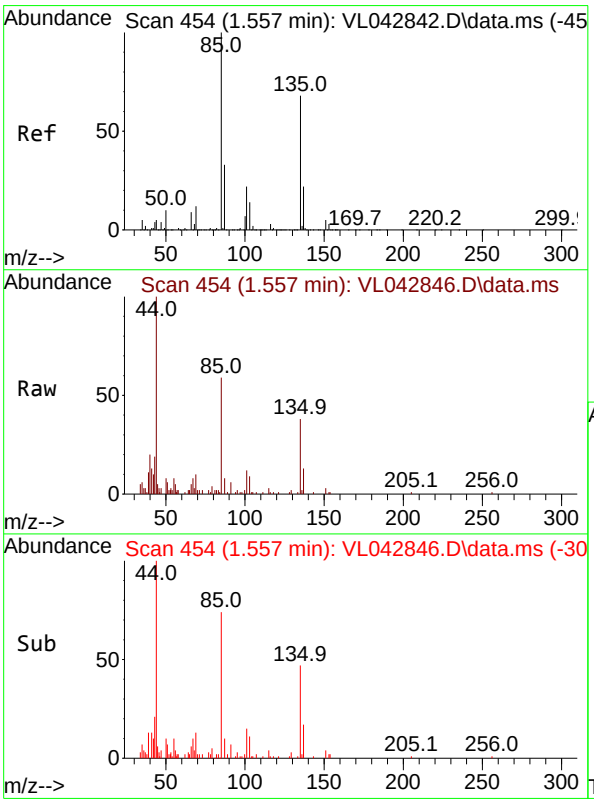
#7
Chloroethane
Concen: 0.097 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 272

Ion	Ratio	Lower	Upper
64	100		
66	80.7	28.6	42.8#

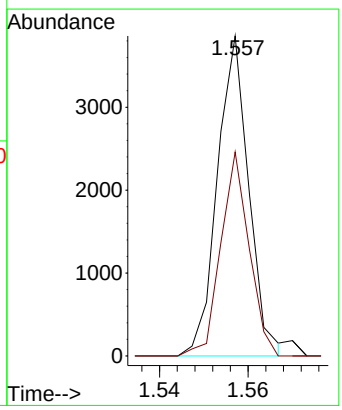


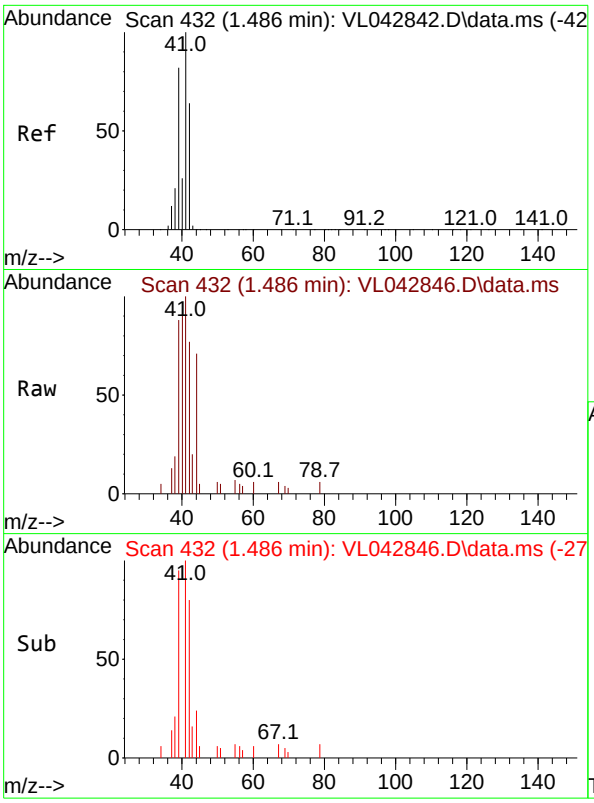


#8
Dichlorotetrafluoroethane
Concen: 0.128 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 85 Resp: 1898

Ion	Ratio	Lower	Upper
85	100		
135	57.6	51.2	76.8



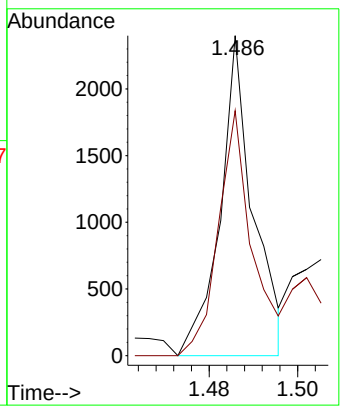


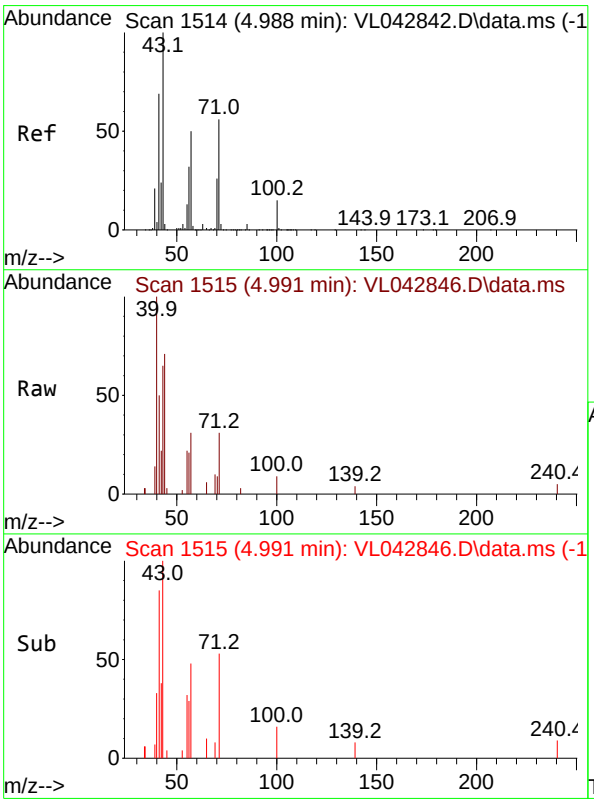
#9
Propene
Concen: 0.142 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1233

Ion	Ratio	Lower	Upper
41	100		
42	148.2	53.0	79.4#

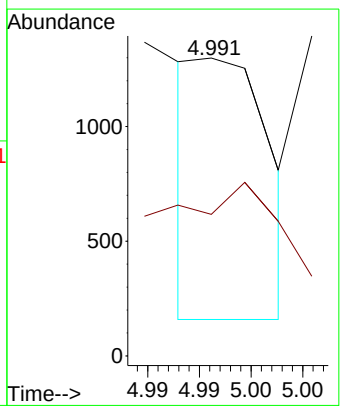


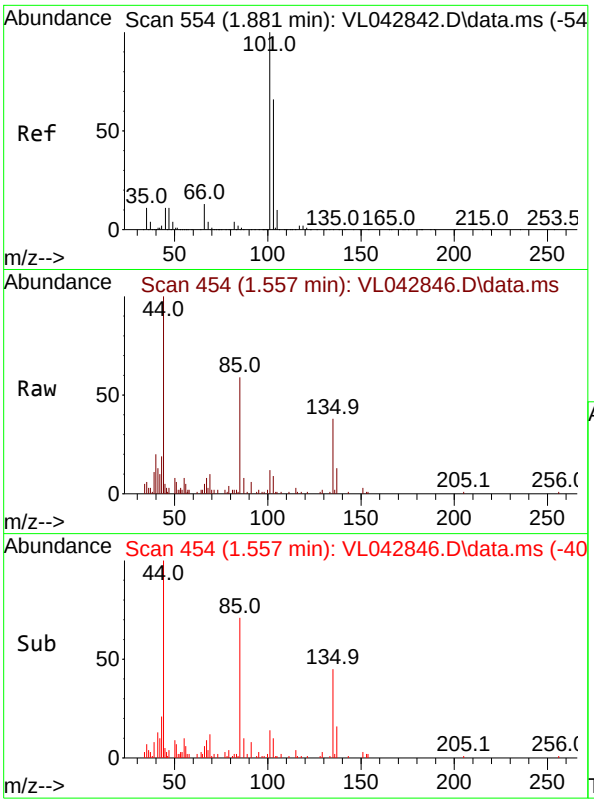


#10
Heptane
Concen: 0.024 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 43 Resp: 560

Ion	Ratio	Lower	Upper
43	100		
57	281.8	41.4	62.0#



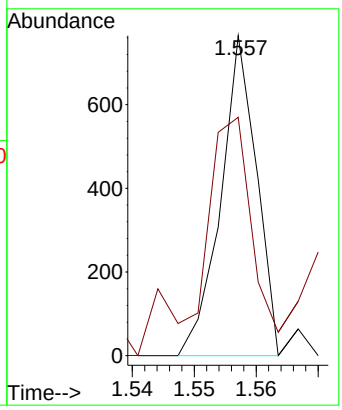


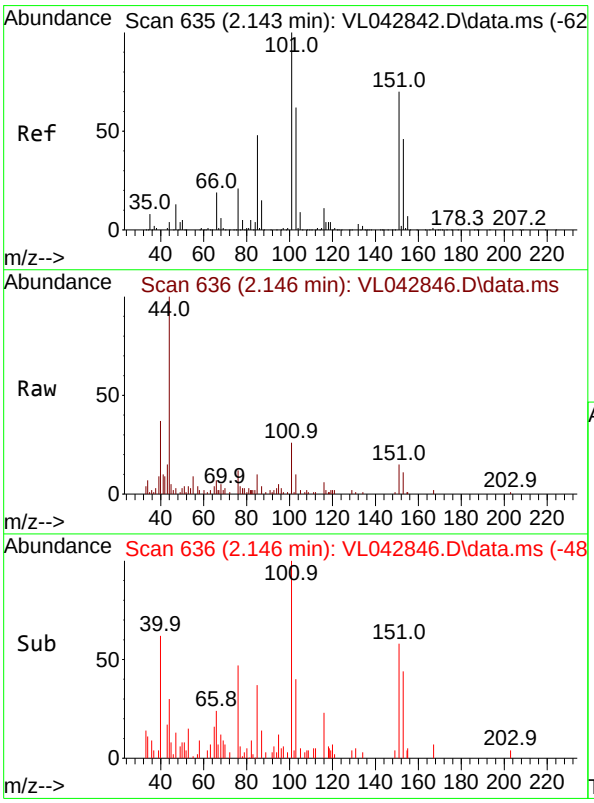
#11
Trichlorofluoromethane
Concen: 0.017 ppbv
RT: 1.557 min Scan# 4
Delta R.T. -0.324 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 307

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.5	78.7

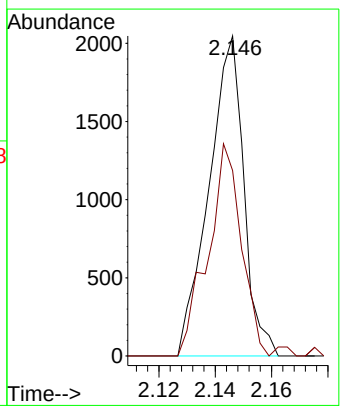


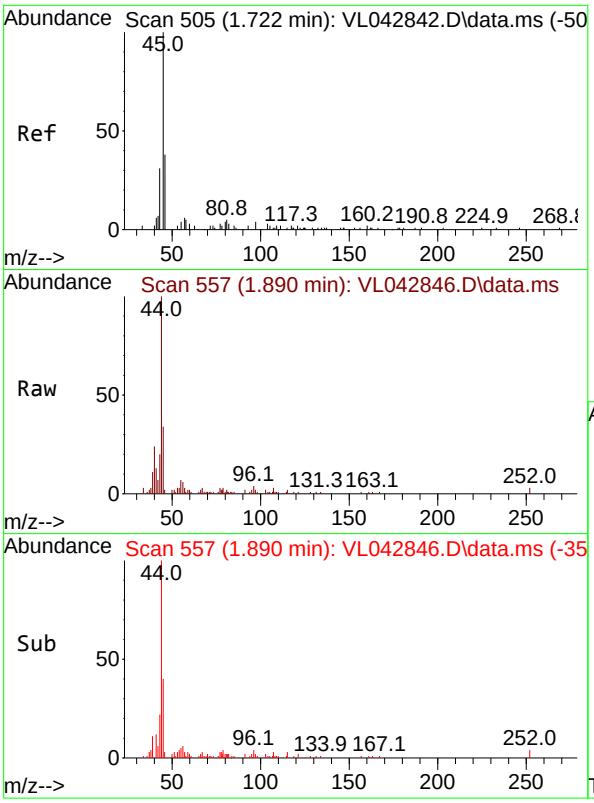


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.123 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:101 Resp: 1758

Ion	Ratio	Lower	Upper
101	100		
151	64.7	56.4	84.6



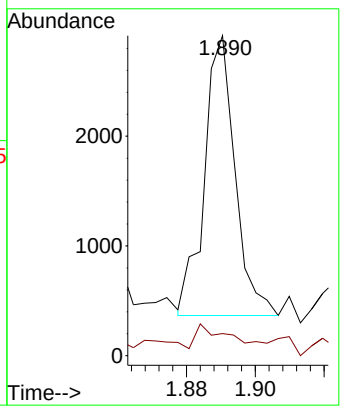


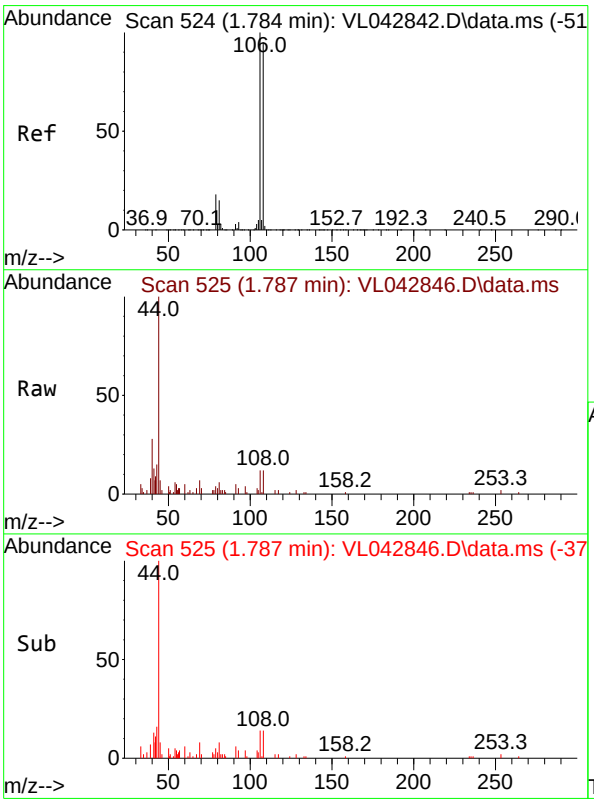
#13
Ethanol
Concen: 1.847 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.168 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1584

Ion	Ratio	Lower	Upper
45	100		
46	30.6	17.5	69.9

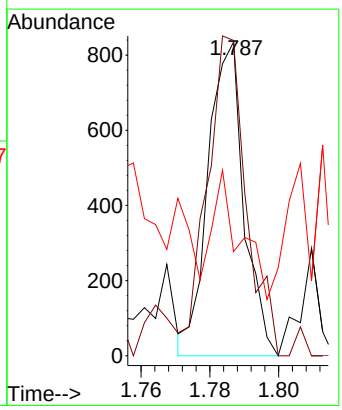


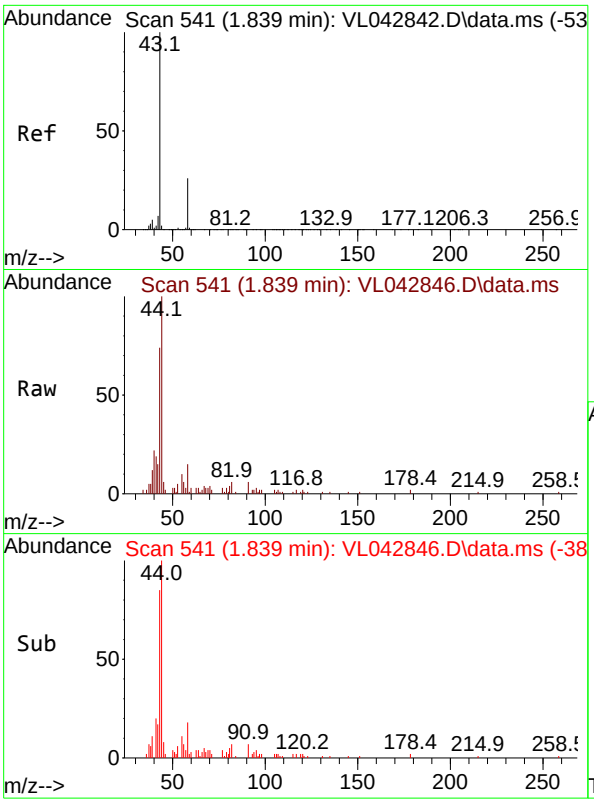


#14
Bromoethene
Concen: 0.117 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:108 Resp: 602

Ion	Ratio	Lower	Upper
108	100		
106	149.0	85.1	127.7#
79	122.9	16.3	24.5#



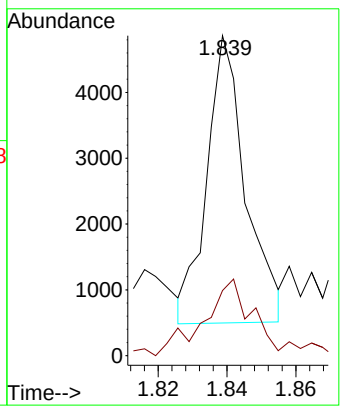


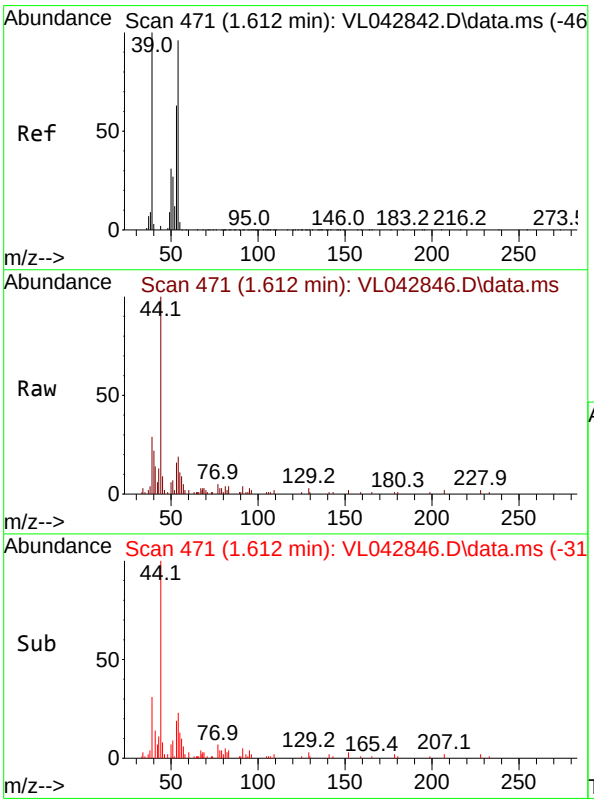
#15
Acetone
Concen: 0.208 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3411

Ion	Ratio	Lower	Upper
43	100		
58	42.9	22.4	33.6#

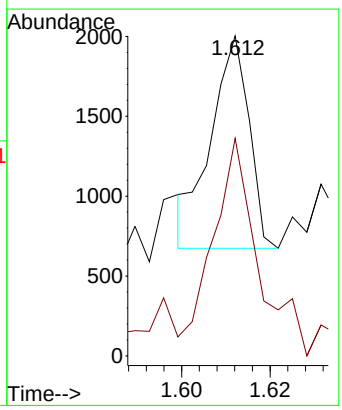


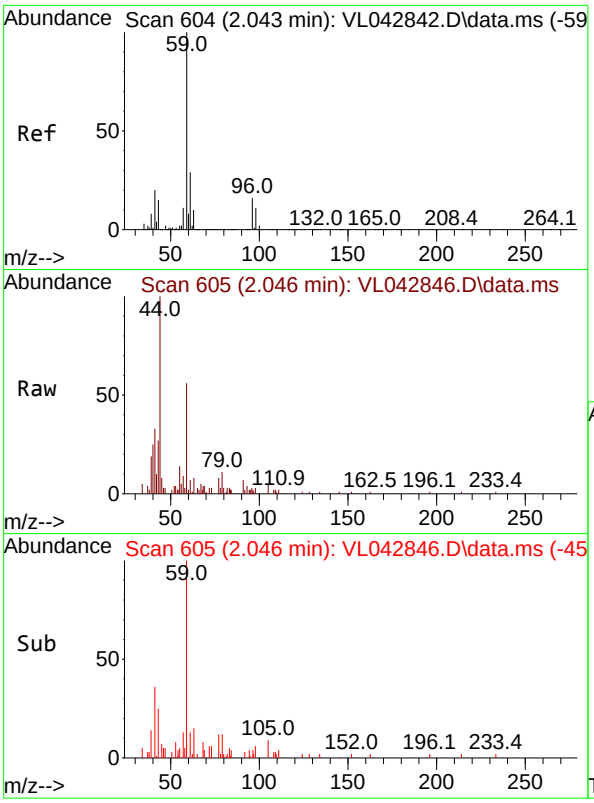


#16
1,3-Butadiene
Concen: 0.107 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 39 Resp: 795

Ion	Ratio	Lower	Upper
39	100		
54	153.6	63.6	95.4#



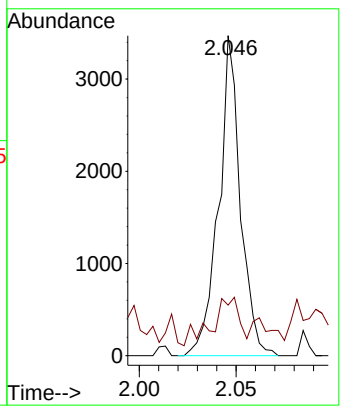


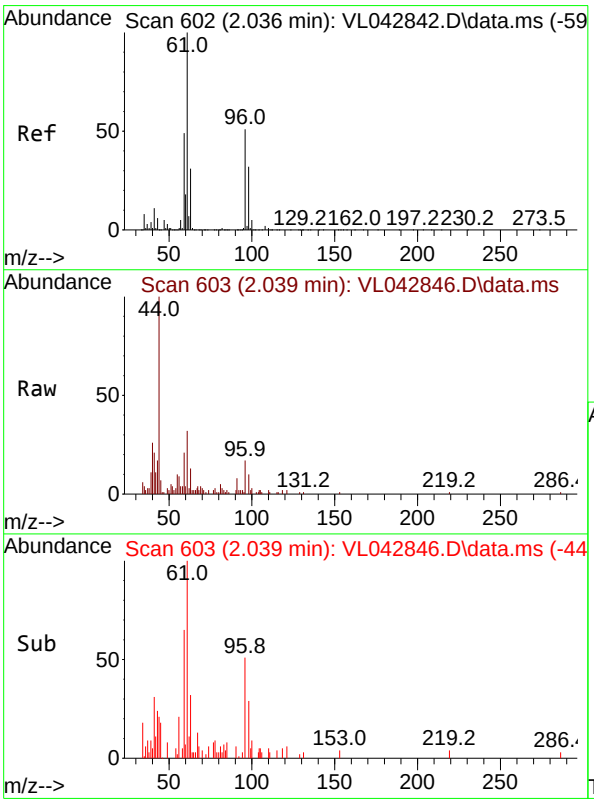
#17
tert-Butyl alcohol
Concen: 0.139 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 2697

Ion	Ratio	Lower	Upper
59	100		
57	24.9	9.0	13.4#

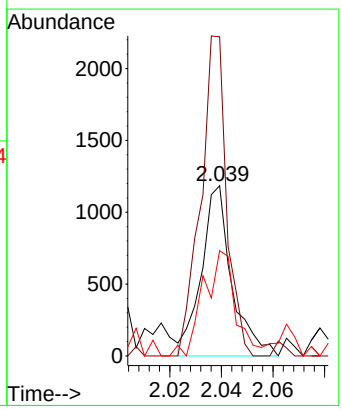


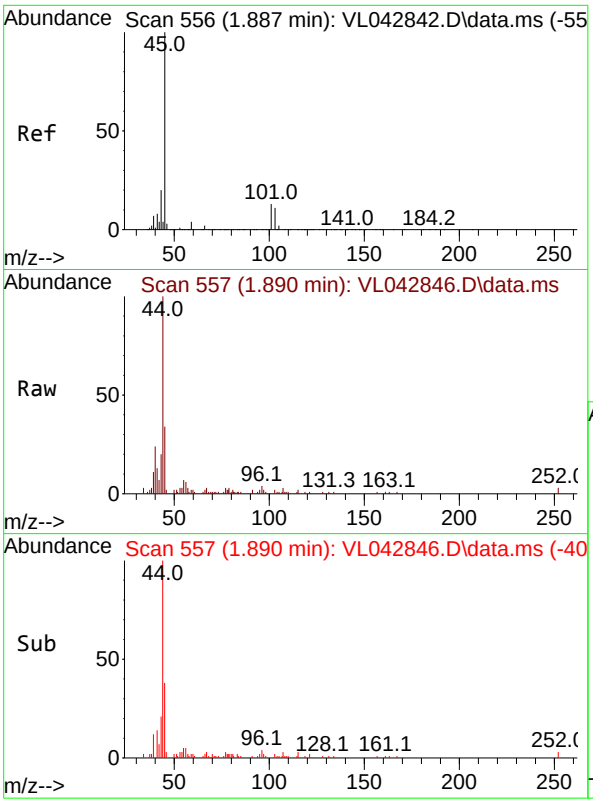


#18
1,1-Dichloroethene
Concen: 0.154 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 96 Resp: 964

Ion	Ratio	Lower	Upper
96	100		
61	187.5	158.2	237.4
98	55.6	50.6	76.0



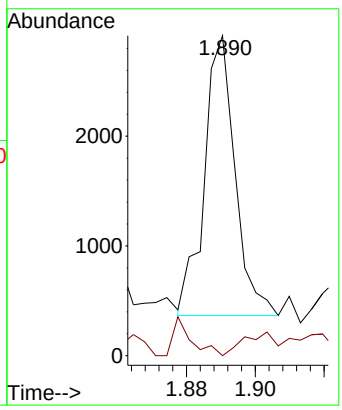


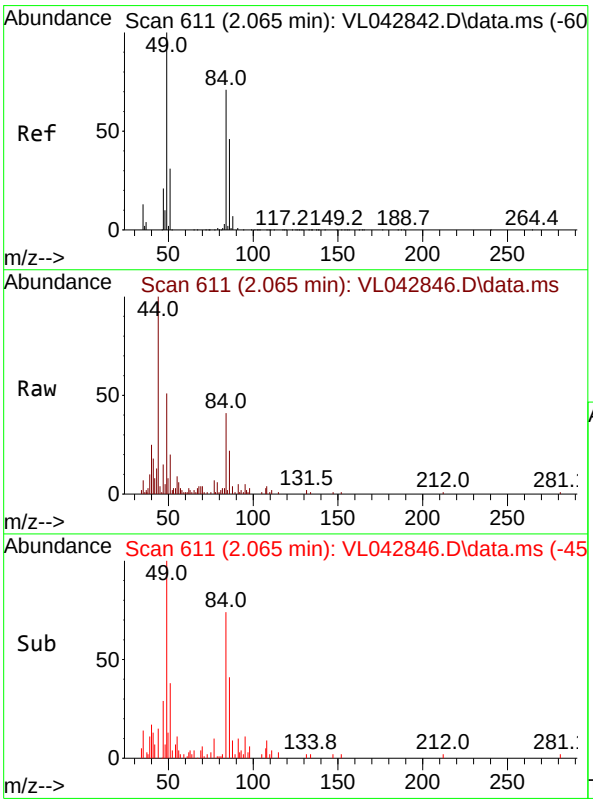
#19
Isopropyl Alcohol
Concen: 0.162 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1584

Ion	Ratio	Lower	Upper
45	100		
58	26.0	32.7	49.1#

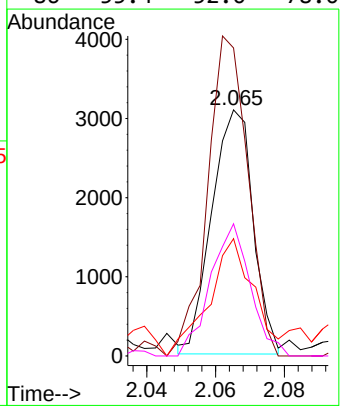


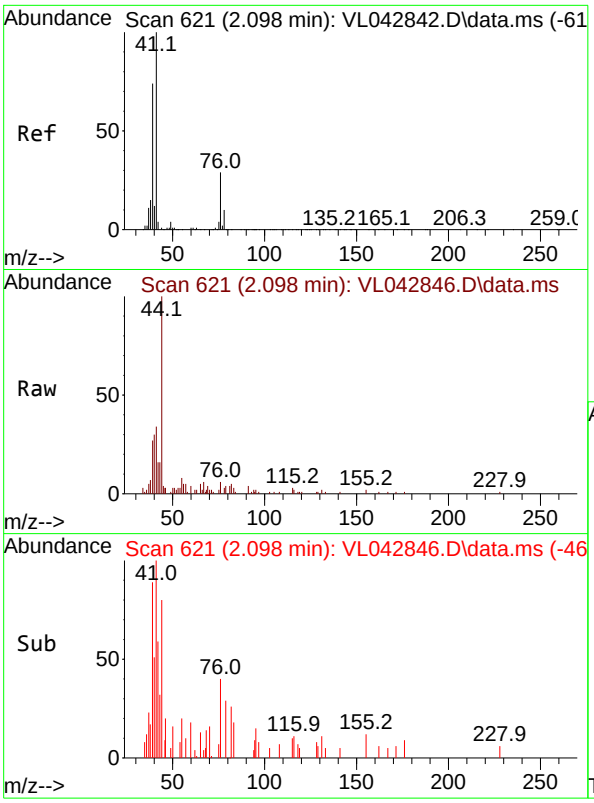


#20
Methylene Chloride
Concen: 0.376 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 84 Resp: 2577

Ion	Ratio	Lower	Upper
84	100		
49	149.4	112.3	168.5
51	42.1	36.0	54.0
86	55.4	52.0	78.0



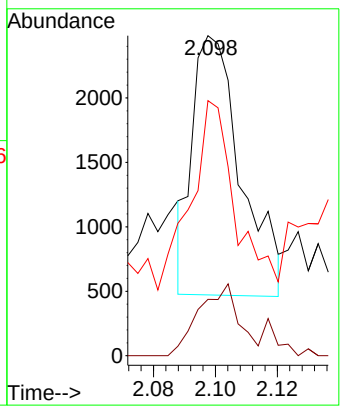


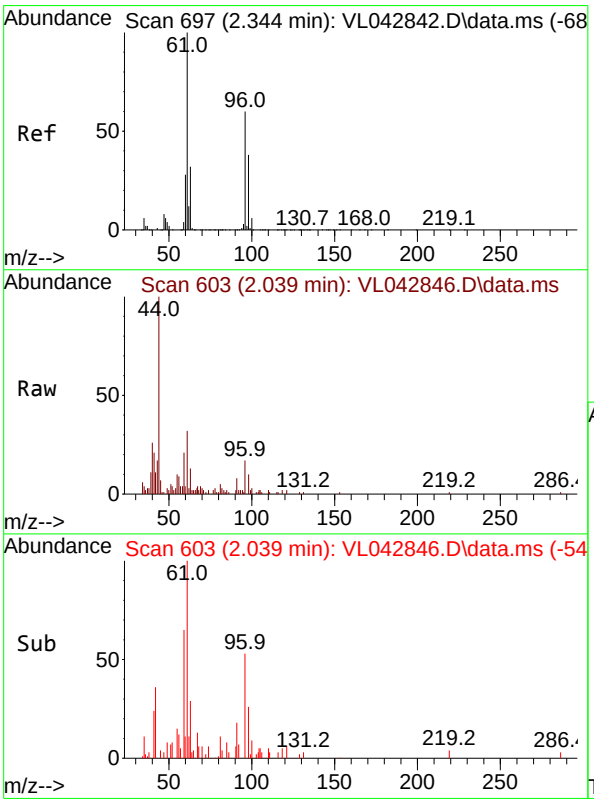
#21
Allyl Chloride
Concen: 0.190 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 2198

Ion	Ratio	Lower	Upper
41	100		
76	27.2	23.9	35.9
39	109.1	57.8	86.6#

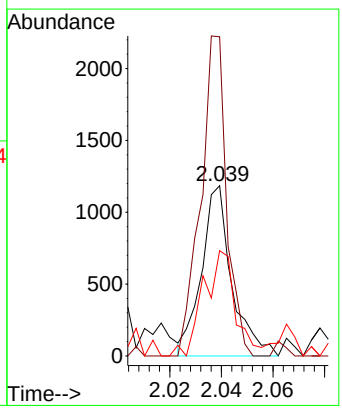


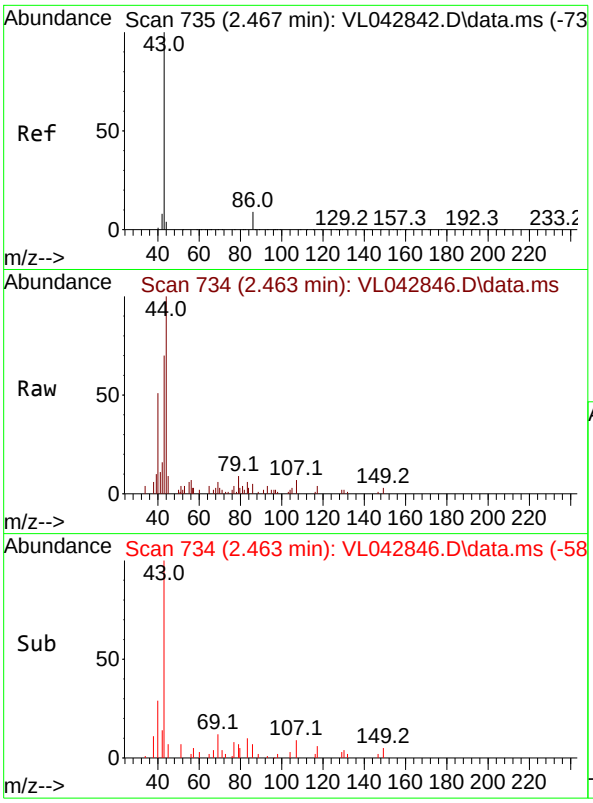


#22
trans-1,2-Dichloroethene
Concen: 0.138 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.304 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 96 Resp: 964

Ion	Ratio	Lower	Upper
96	100		
61	187.5	132.6	199.0
98	55.6	50.0	75.0



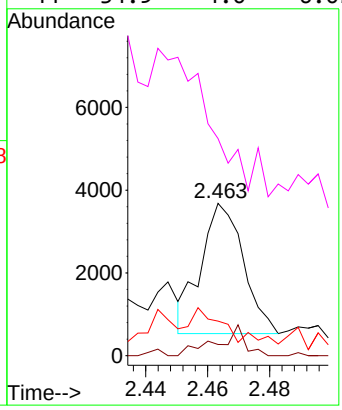


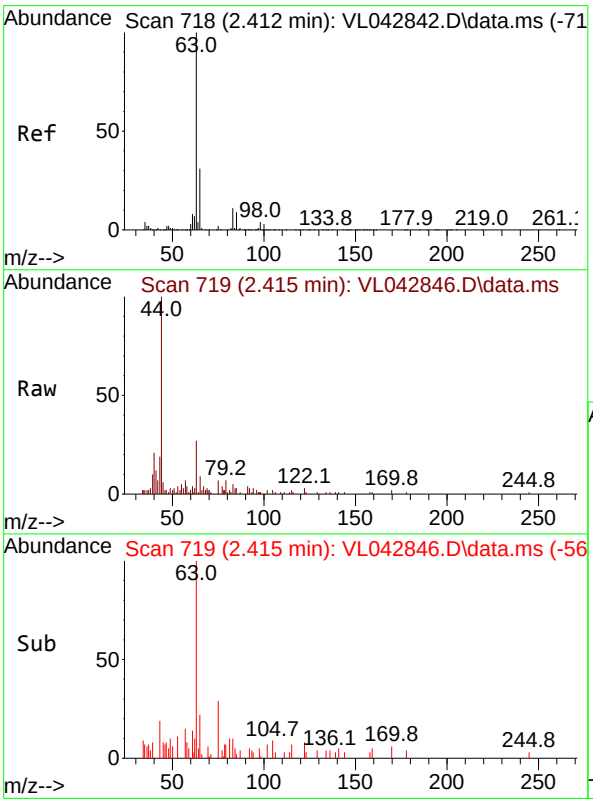
#23
Vinyl Acetate
Concen: 0.139 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3002

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.6	9.8
42	17.6	7.0	10.6#
44	34.9	4.0	6.0#

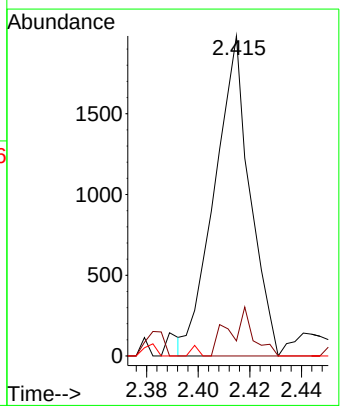


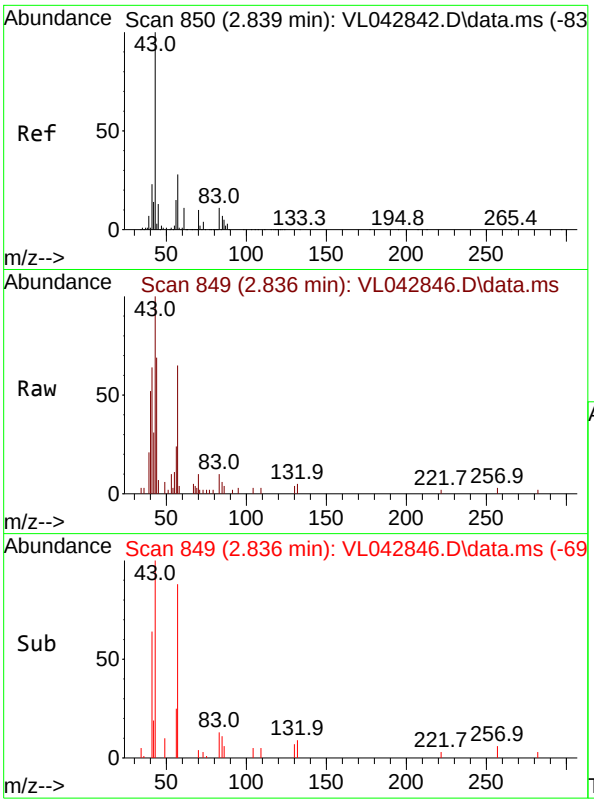


#24
1,1-Dichloroethane
Concen: 0.130 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 63 Resp: 1879

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	0.0	1.7	5.1#



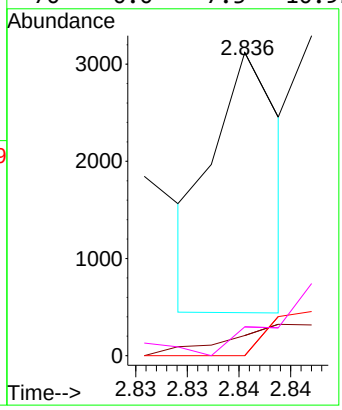


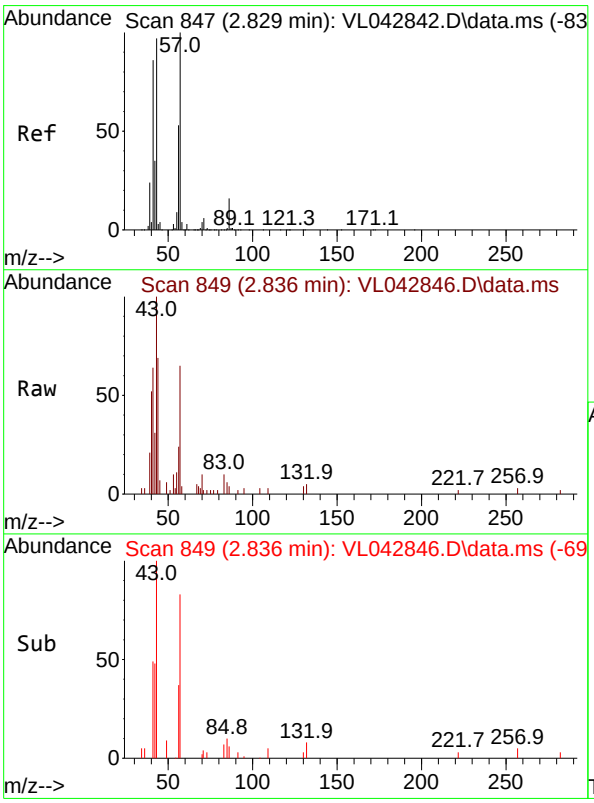
#25
Ethyl Acetate
Concen: 0.030 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 1206

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.4	11.2#
70	0.0	7.3	10.9#

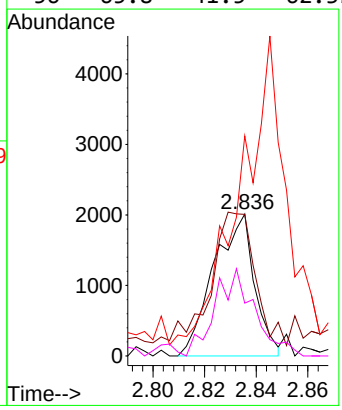


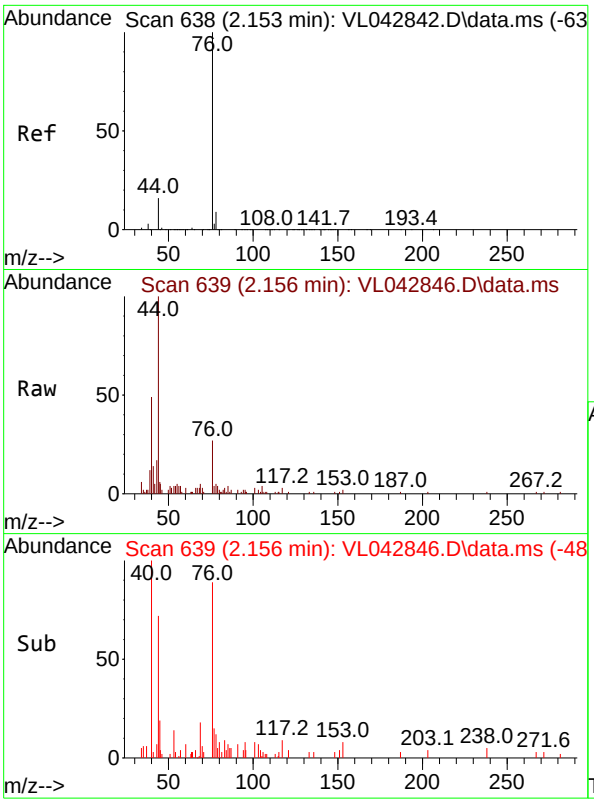


#26
Hexane
Concen: 0.122 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 57 Resp: 2223

Ion	Ratio	Lower	Upper
57	100		
41	133.1	68.6	103.0#
43	0.0	168.5	252.7#
56	65.8	41.5	62.3#



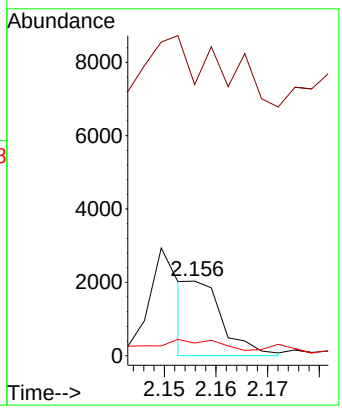


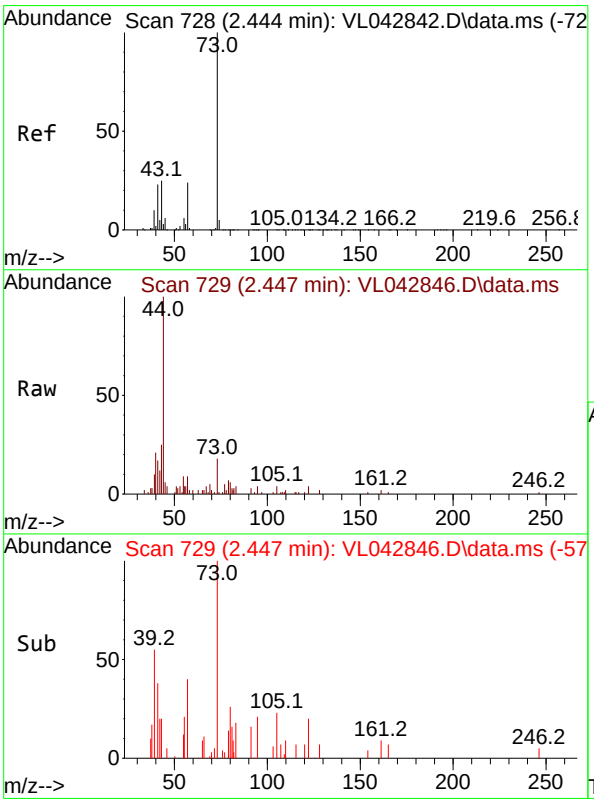
#27
Carbon Disulfide
Concen: 0.054 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 965

Ion	Ratio	Lower	Upper
76	100		
44	1802.5	15.9	23.9#
78	81.7	9.5	14.3#

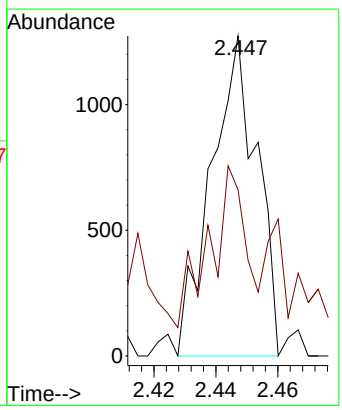


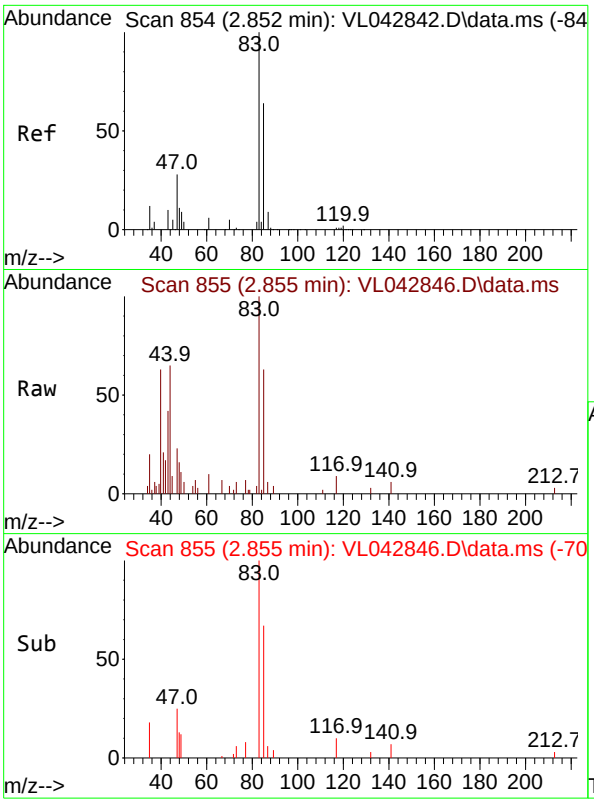


#28
Methyl tert-Butyl Ether
Concen: 0.139 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 73 Resp: 1300

Ion	Ratio	Lower	Upper
73	100		
57	84.2	21.6	32.4#



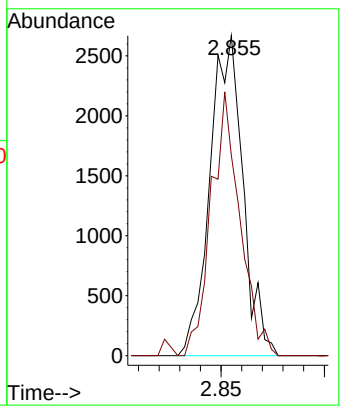


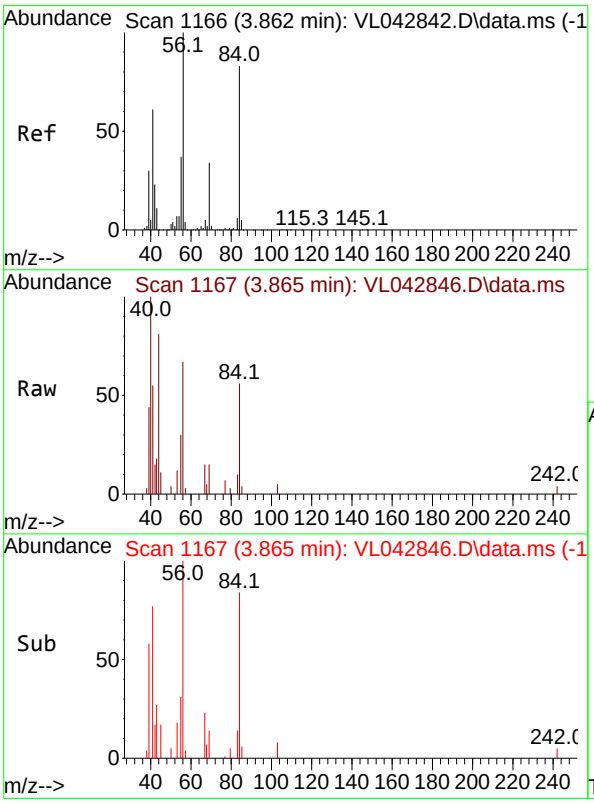
#29
Chloroform
Concen: 0.113 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 2962

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7

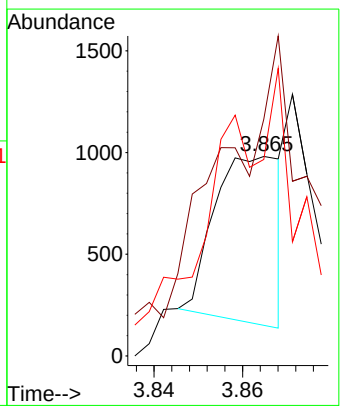


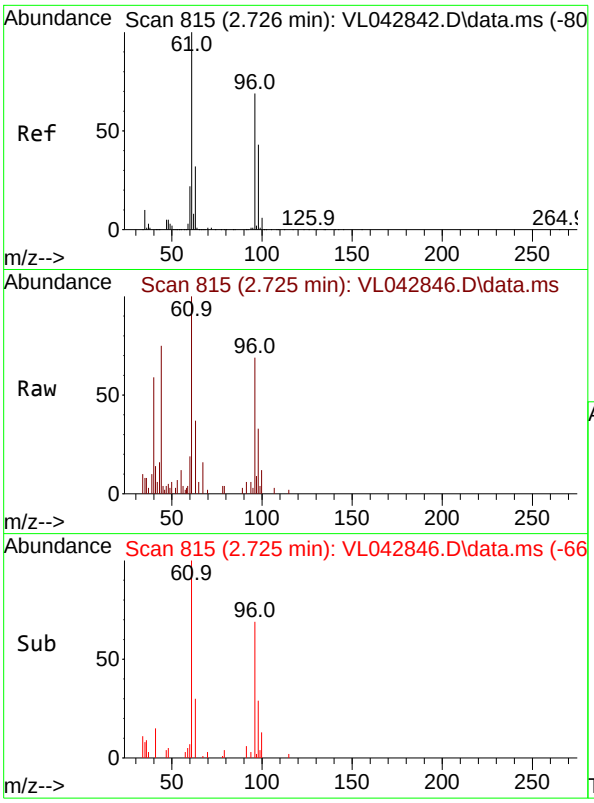


#30
Cyclohexane
Concen: 0.052 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 84 Resp: 835

Ion	Ratio	Lower	Upper
84	100		
56	0.0	98.8	148.2#
41	0.0	61.3	91.9#



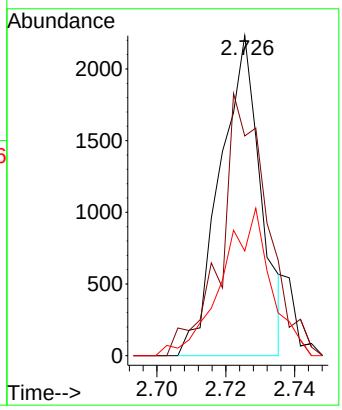


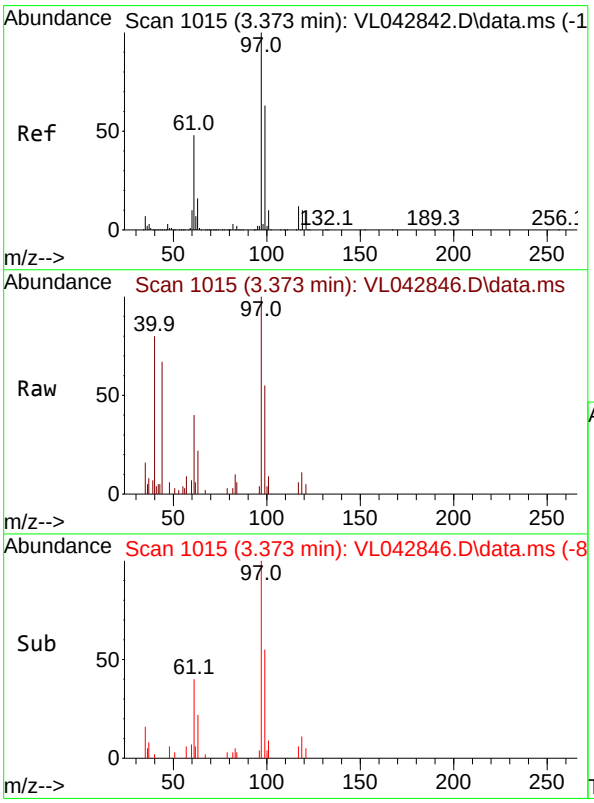
#31
cis-1,2-Dichloroethene
Concen: 0.101 ppbv
RT: 2.725 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 1839

Ion	Ratio	Lower	Upper
61	100		
96	60.0	55.0	82.6
98	30.3	34.3	51.5#

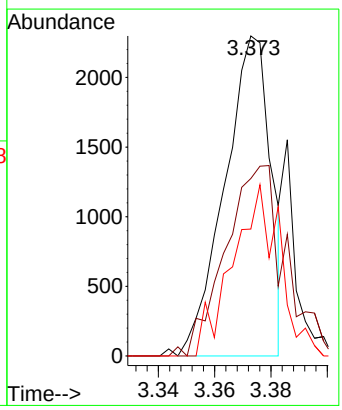


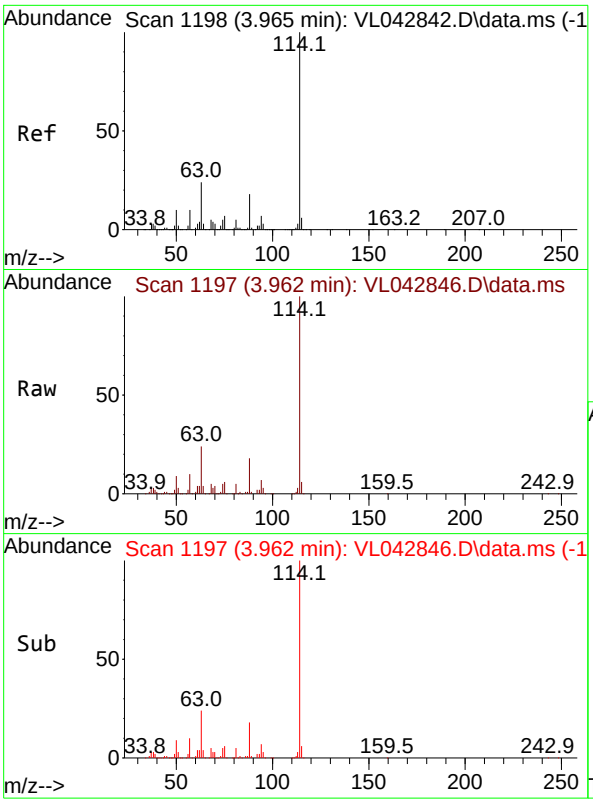


#32
1,1,1-Trichloroethane
Concen: 0.095 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 97 Resp: 2627

Ion	Ratio	Lower	Upper
97	100		
99	76.4	51.0	76.6
61	54.3	38.0	57.0



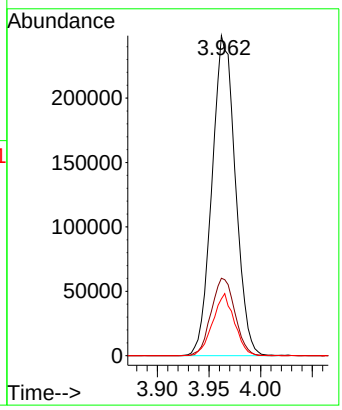


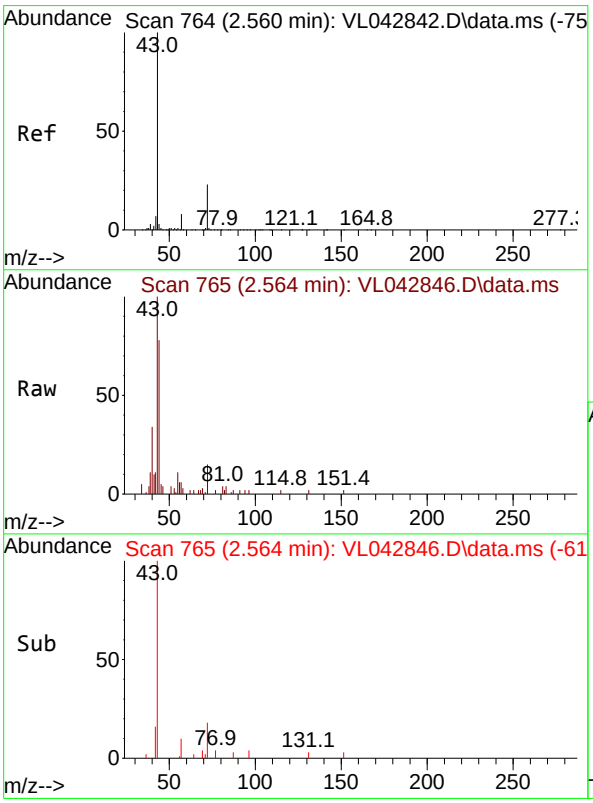
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 390520

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6

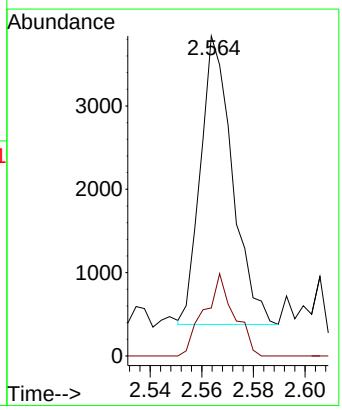


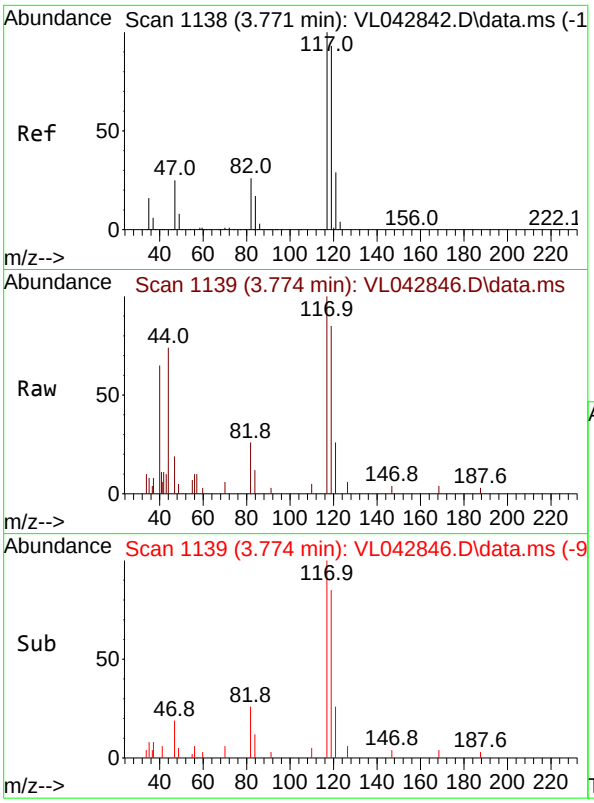


#34
2-Butanone
Concen: 0.113 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 43 Resp: 2970

Ion	Ratio	Lower	Upper
43	100		
72	26.7	18.6	28.0



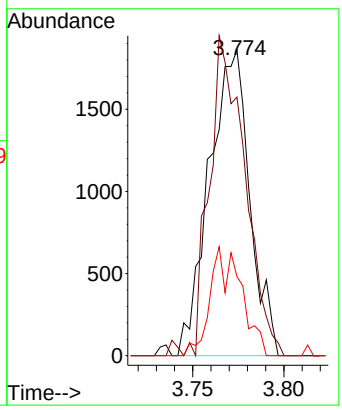


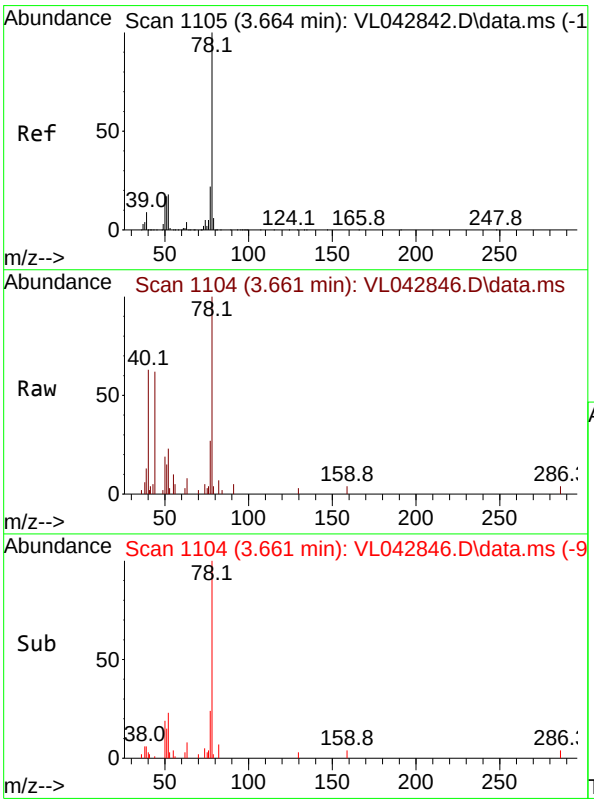
#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 2883

Ion	Ratio	Lower	Upper
117	100		
119	81.8	74.7	112.1
121	25.9	23.2	34.8

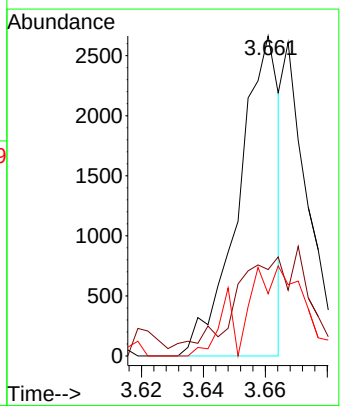


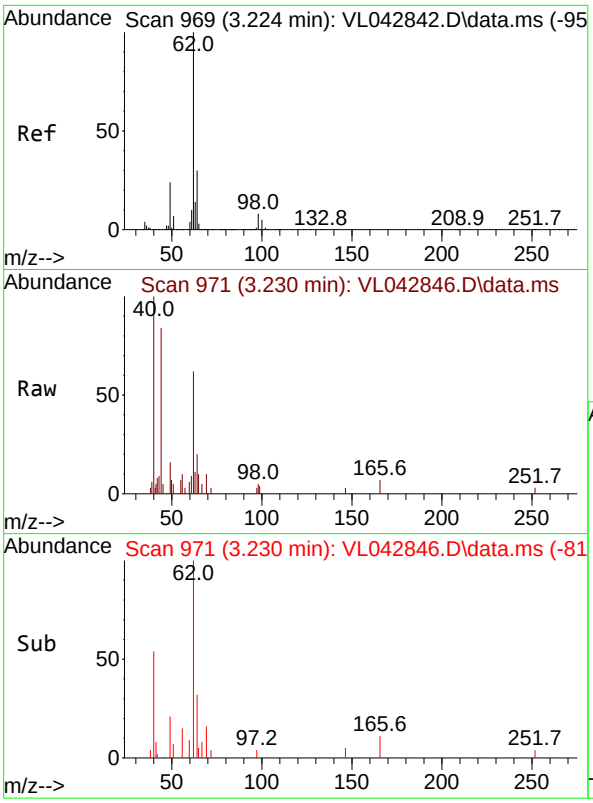


#36
Benzene
Concen: 0.065 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 78 Resp: 2430

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.7	26.5
50	19.4	13.9	20.9



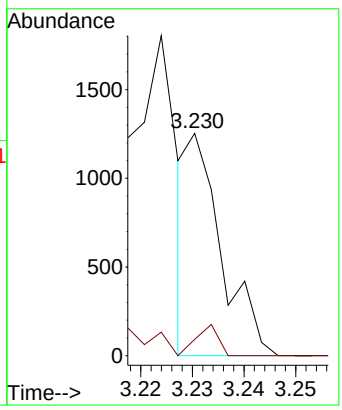


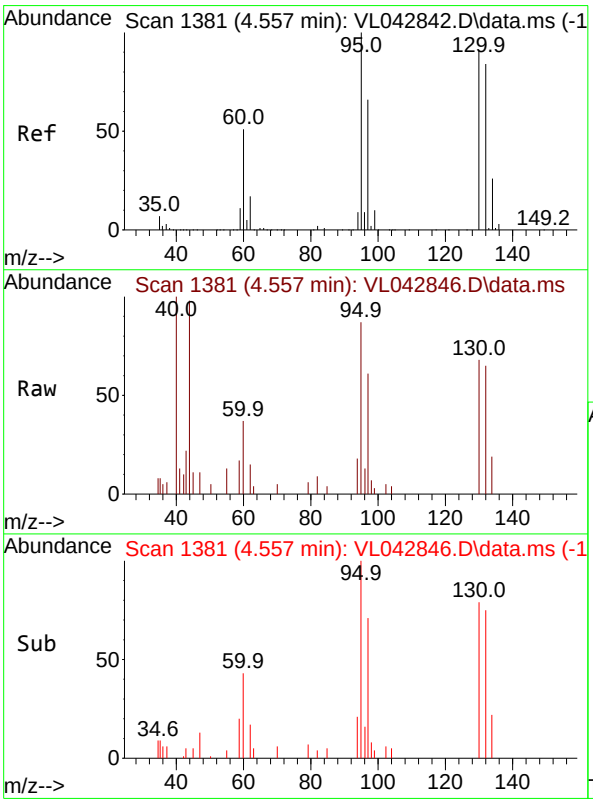
#37
1,2-Dichloroethane
Concen: 0.029 ppbv
RT: 3.230 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 576

Ion	Ratio	Lower	Upper
62	100		
98	25.9	5.9	8.9#

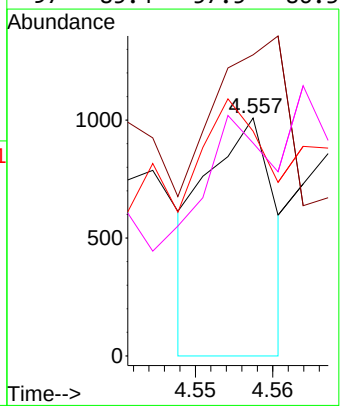


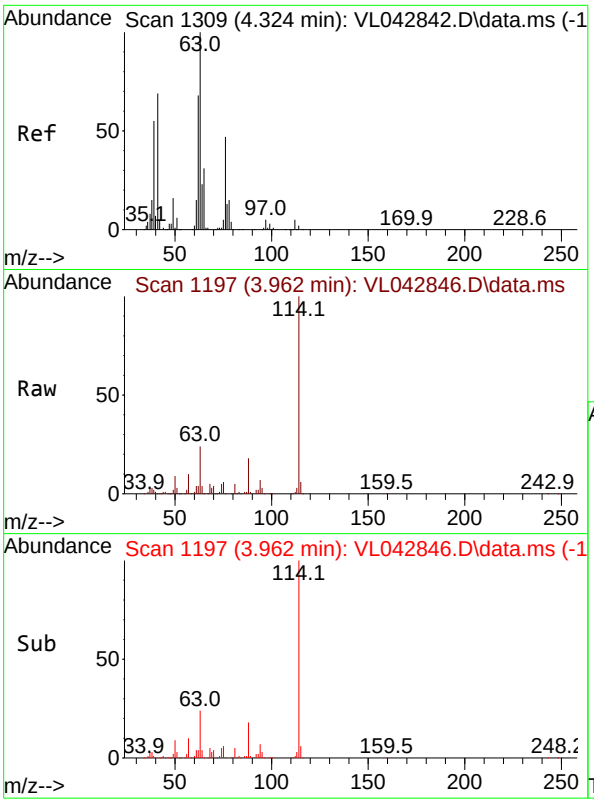


#38
Trichloroethene
Concen: 0.037 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:130 Resp: 624

Ion	Ratio	Lower	Upper
130	100		
95	145.9	87.6	131.4#
132	83.5	73.8	110.8
97	85.4	57.5	86.3



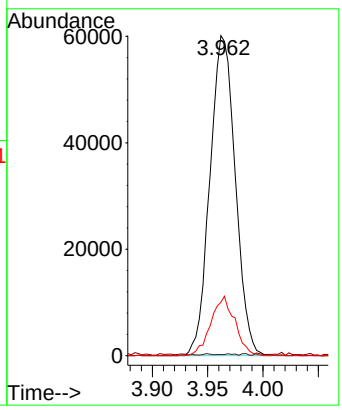


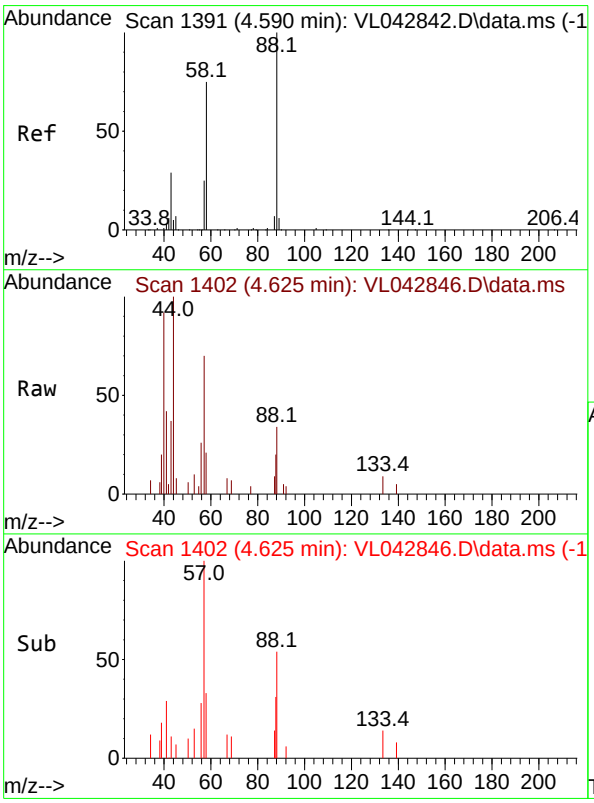
#39
1,2-Dichloropropane
Concen: 7.036 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.363 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 96098

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.0	82.4#
62	16.7	54.4	81.6#

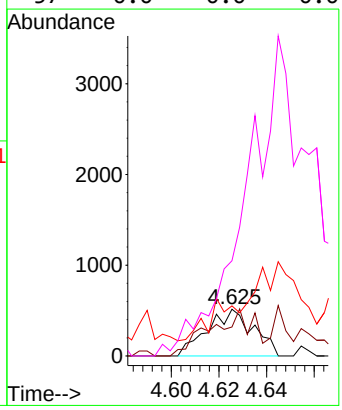


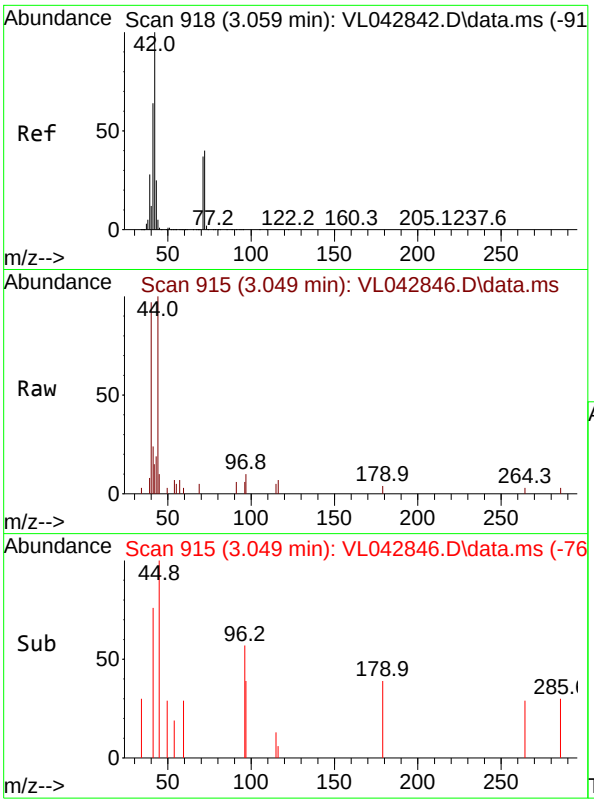


#40
1,4-Dioxane
Concen: 0.108 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. 0.036 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 88 Resp: 693

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.8	80.6#
43	71.0	22.8	34.2#
57	0.0	0.0	0.0



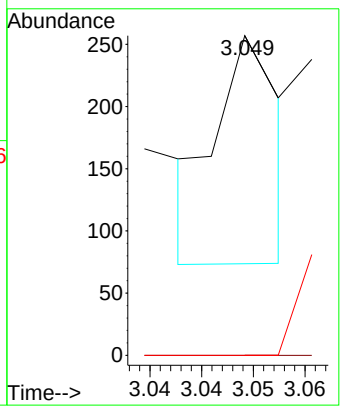


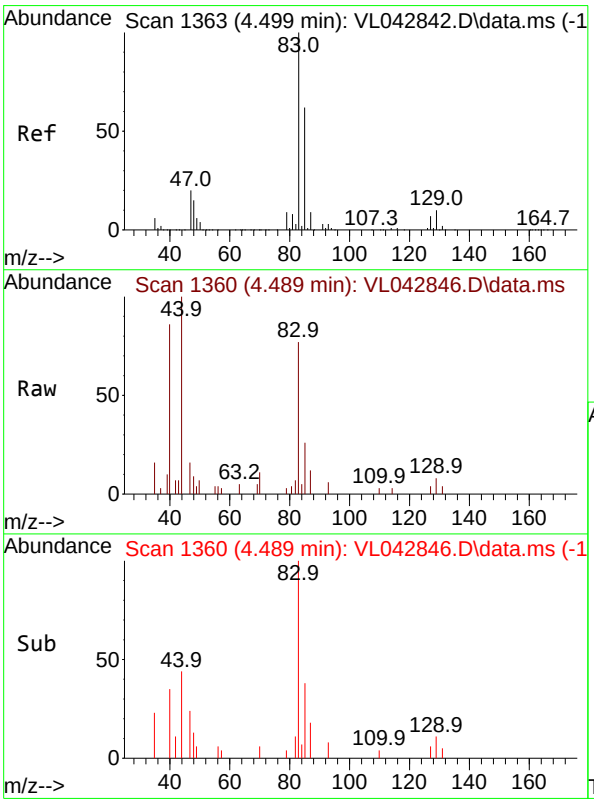
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 78

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.6	48.8#
71	0.0	30.0	45.0#

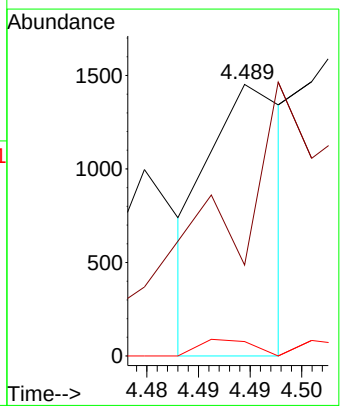


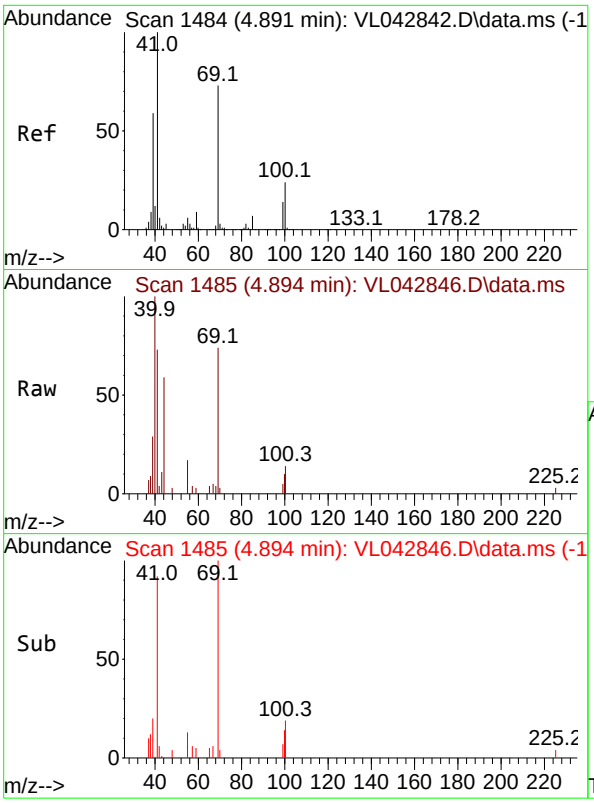


#42
Bromodichloromethane
Concen: 0.026 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 83 Resp: 756

Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.8	74.8#
127	10.8	5.8	8.6#



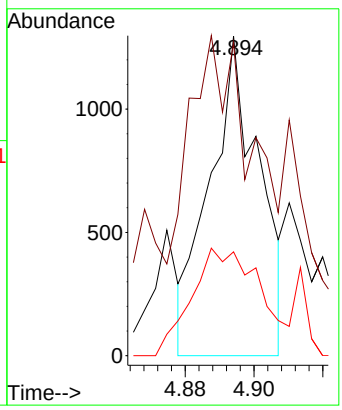


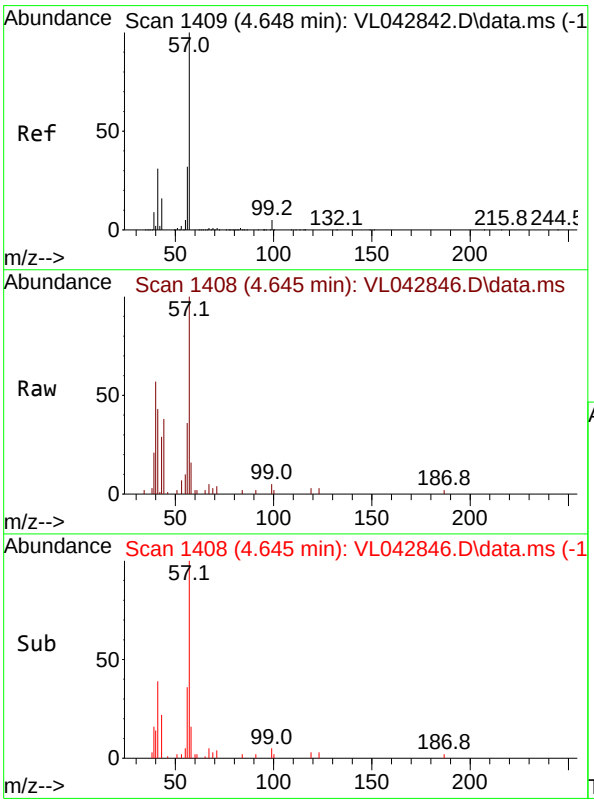
#43
Methyl Methacrylate
Concen: 0.084 ppbv
RT: 4.894 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 1289

Ion	Ratio	Lower	Upper
69	100		
41	194.8	114.6	172.0#
100	55.2	30.2	45.4#

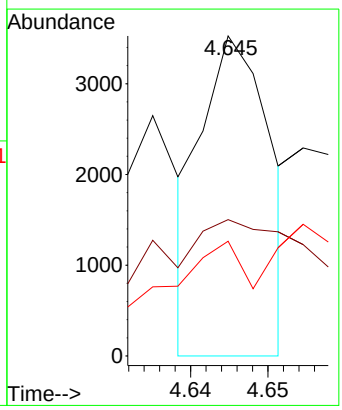


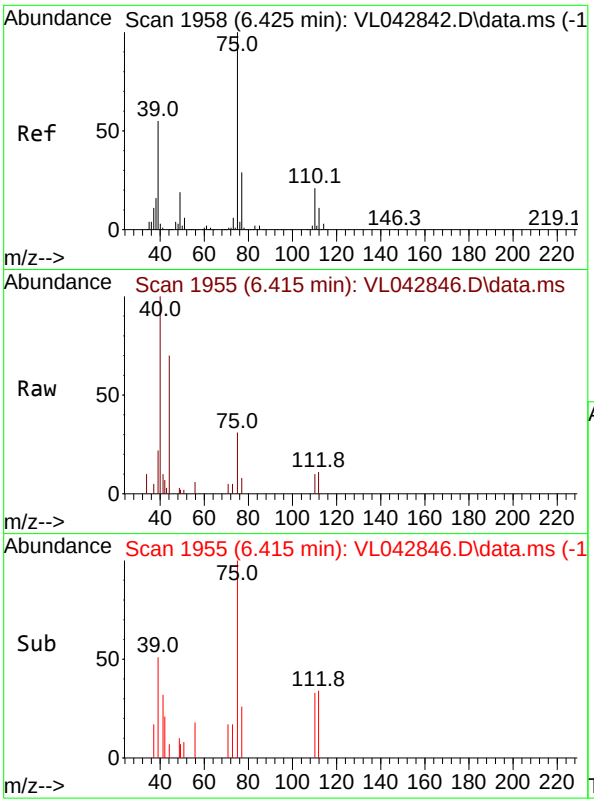


#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 57 Resp: 2178

Ion	Ratio	Lower	Upper
57	100		
41	145.1	24.8	37.2#
56	0.0	25.5	38.3#



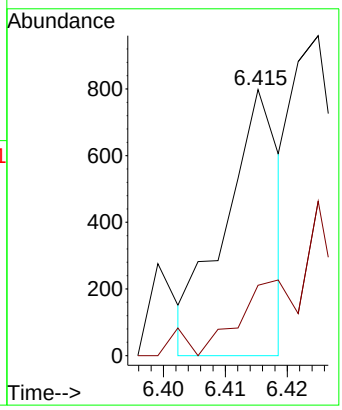


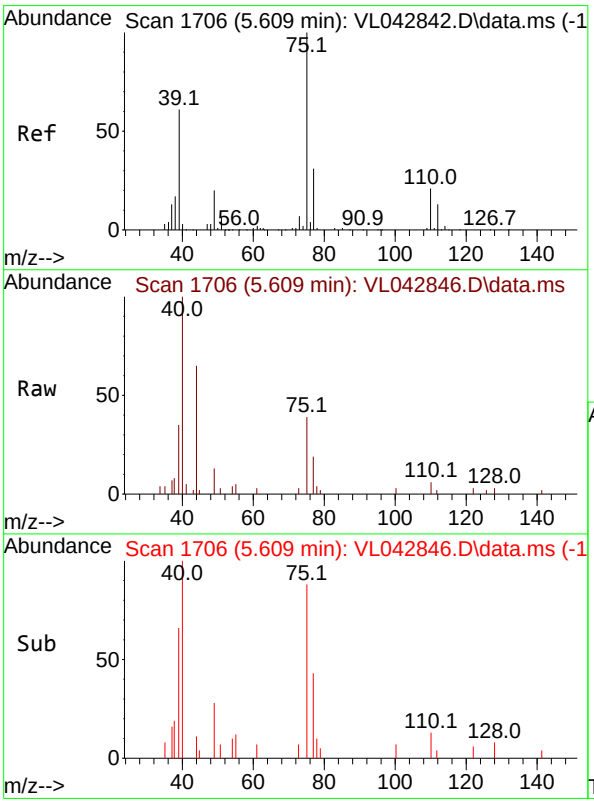
#45
t-1,3-Dichloropropene
Concen: 0.028 ppbv
RT: 6.415 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 486

Ion	Ratio	Lower	Upper
75	100		
77	26.4	23.8	35.6

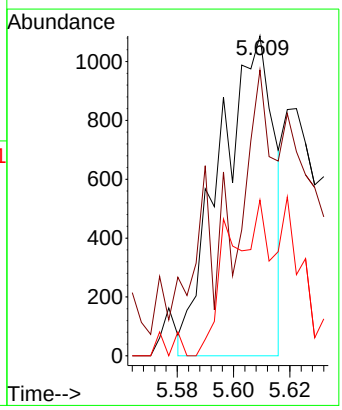


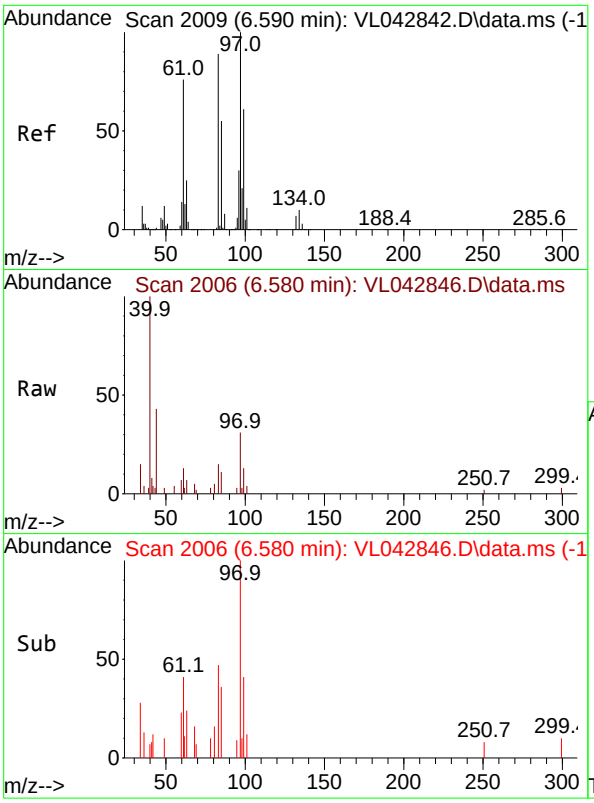


#46
cis-1,3-Dichloropropene
Concen: 0.067 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 75 Resp: 1454

Ion	Ratio	Lower	Upper
75	100		
39	69.2	48.9	73.3
77	44.1	24.9	37.3#



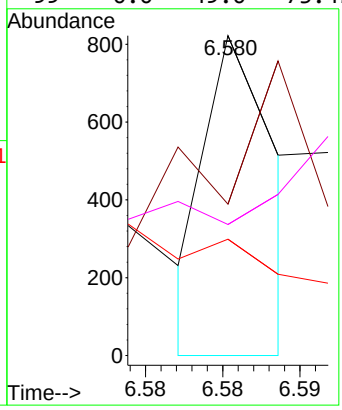


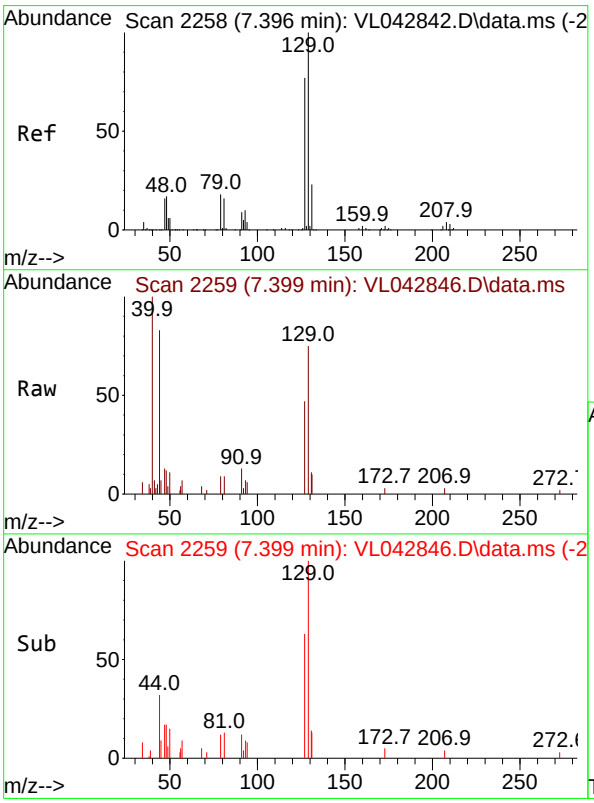
#47
1,1,2-Trichloroethane
Concen: 0.018 ppbv
RT: 6.580 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 260

Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.0	106.4#
85	15.2	43.6	65.4#
99	0.0	49.0	73.4#

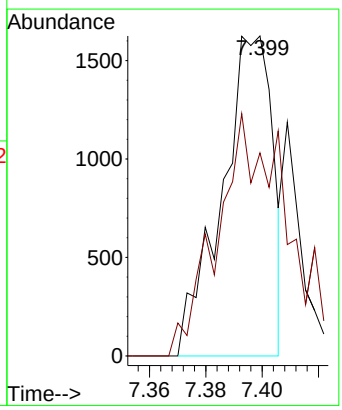


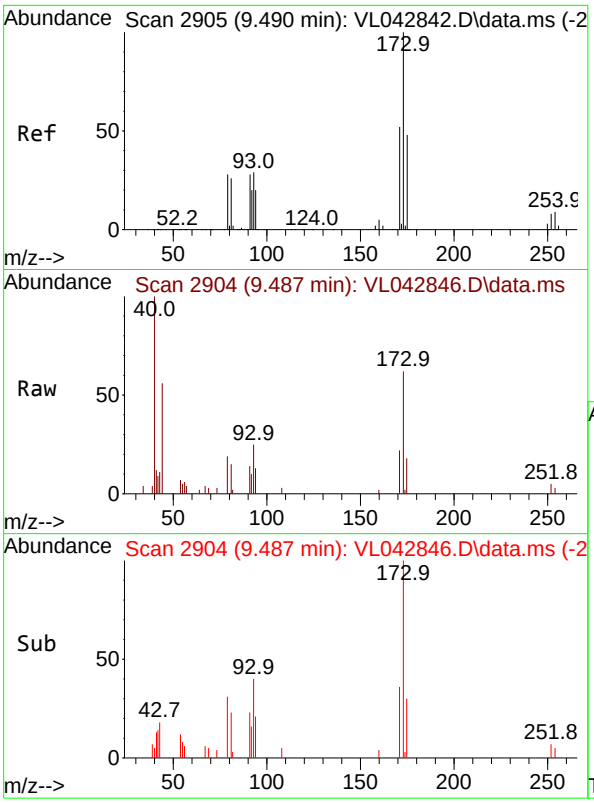


#48
Dibromochloromethane
Concen: 0.088 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:129 Resp: 2052

Ion	Ratio	Lower	Upper
129	100		
127	101.4	39.4	118.2



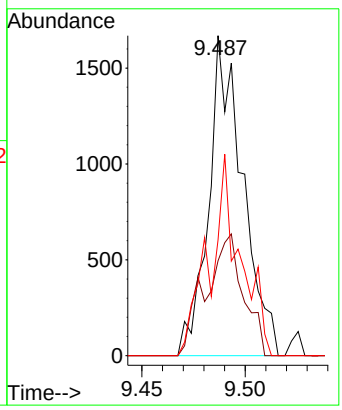


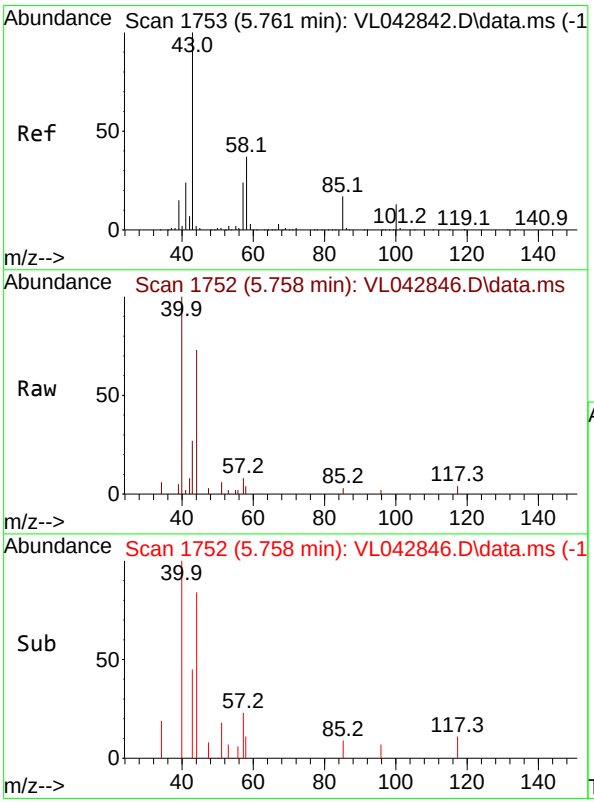
#49
Bromoform
Concen: 0.099 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1909

Ion	Ratio	Lower	Upper
173	100		
175	42.4	39.2	58.8
171	57.5	41.3	61.9

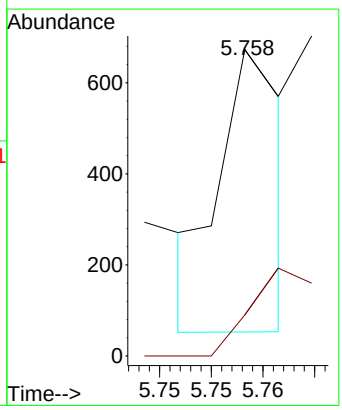


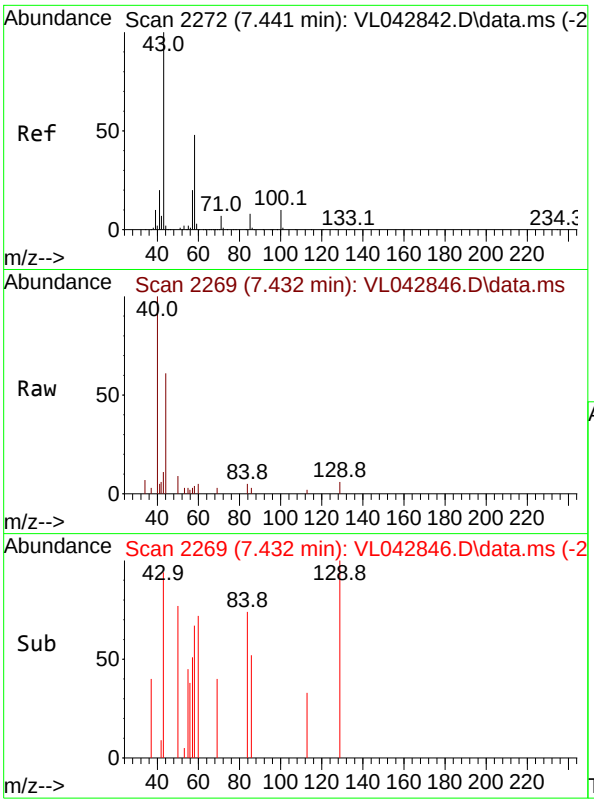


#50
4-Methyl-2-Pentanone
Concen: 0.007 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 43 Resp: 266

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.8#



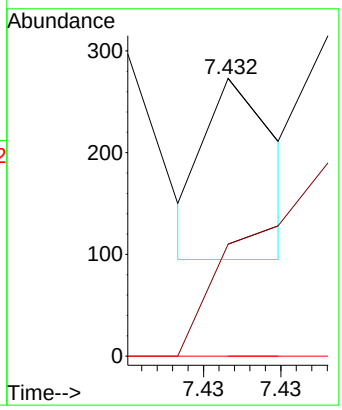


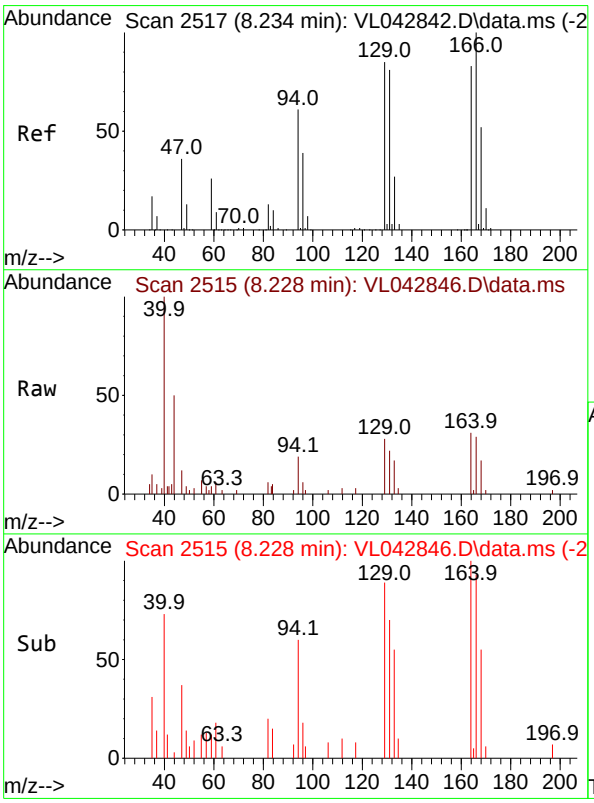
#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.432 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.6#
98	0.0	0.1	0.1#

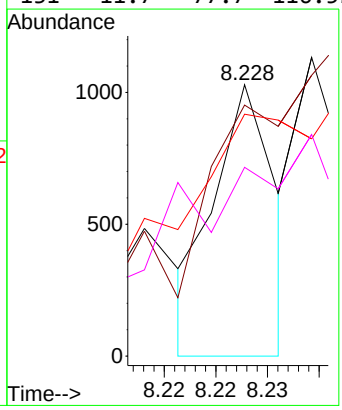


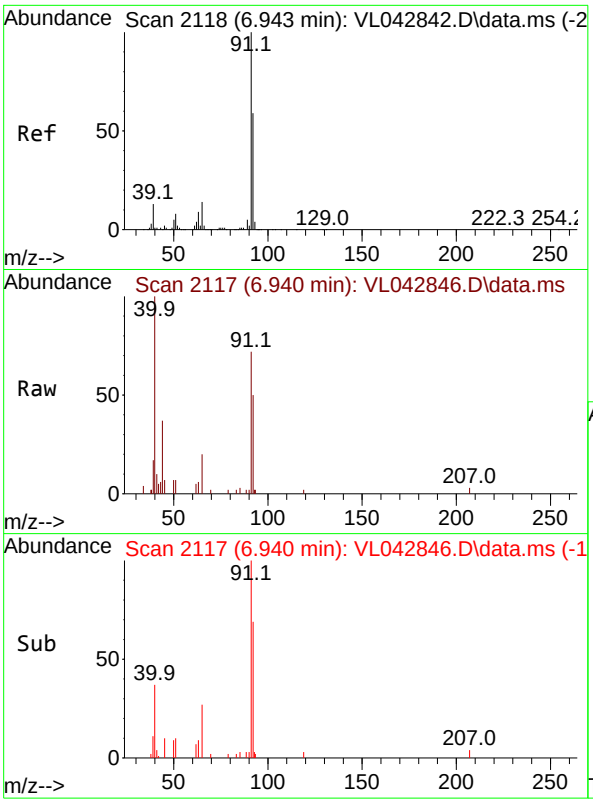


#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.007 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:164 Resp: 425

Ion	Ratio	Lower	Upper
164	100		
166	104.7	96.5	144.7
129	62.6	81.8	122.6#
131	11.7	77.7	116.5#



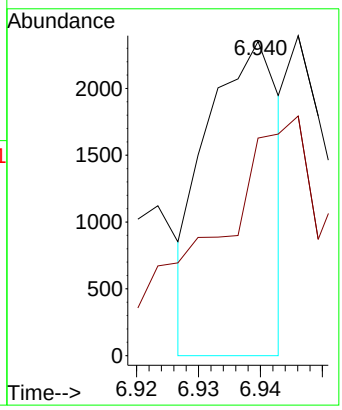


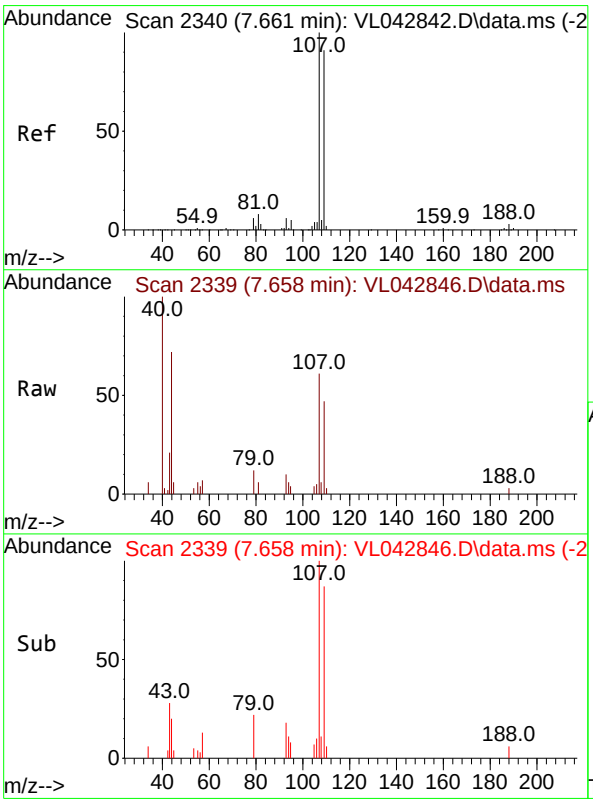
#53
Toluene
Concen: 0.043 ppbv
RT: 6.940 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 1918

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.8	71.6#

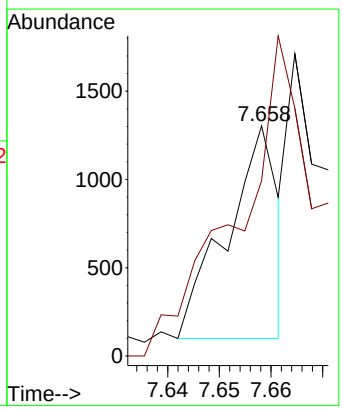


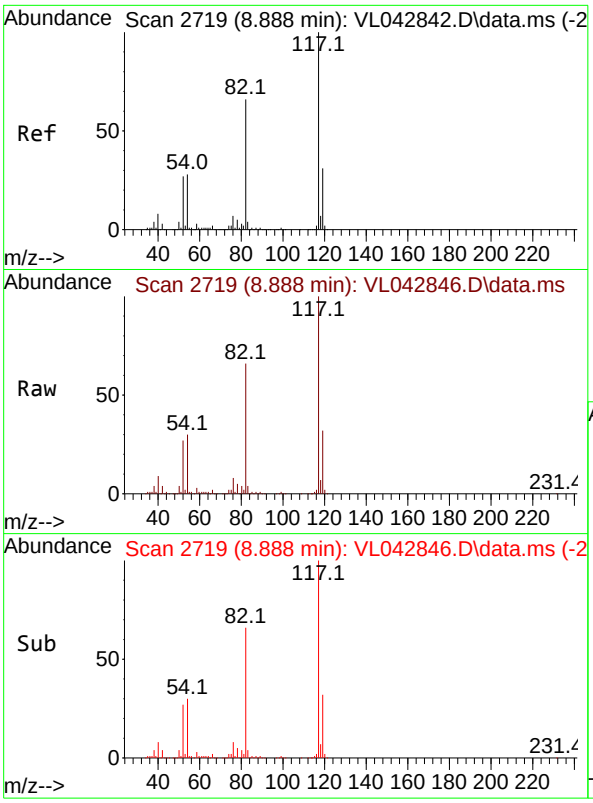


#54
1,2-Dibromoethane
Concen: 0.039 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:107 Resp: 828

Ion	Ratio	Lower	Upper
107	100		
109	63.7	72.5	108.7#



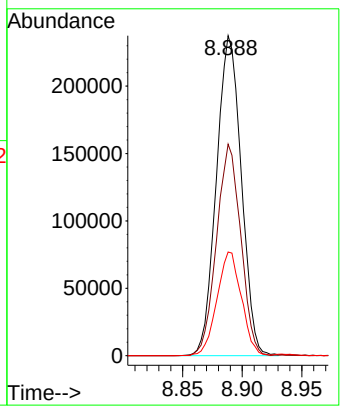


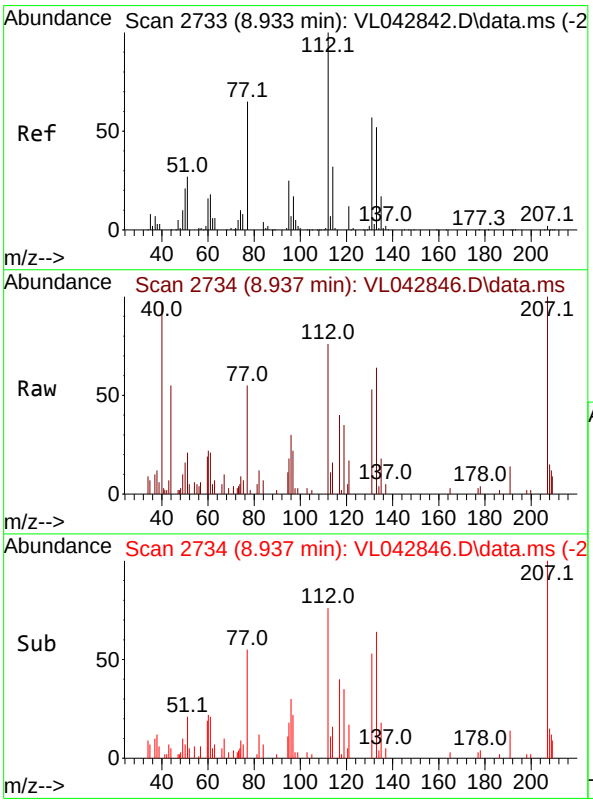
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 345073

Ion	Ratio	Lower	Upper
117	100		
82	64.3	54.6	81.8
119	32.2	25.9	38.9

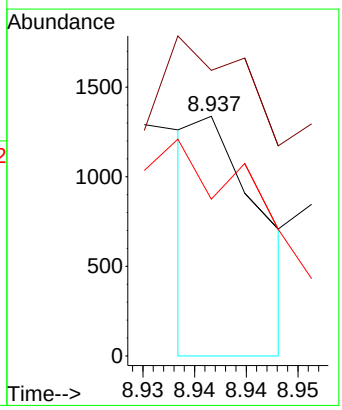


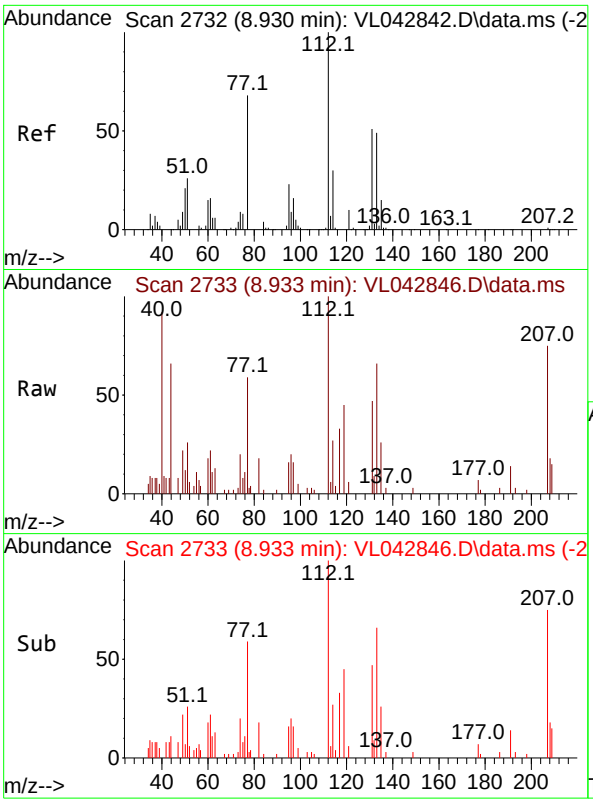


#56
1,1,1,2-Tetrachloroethane
Concen: 0.032 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:131 Resp: 573

Ion	Ratio	Lower	Upper
131	100		
133	500.2	77.4	116.0#
119	0.0	51.2	76.8#



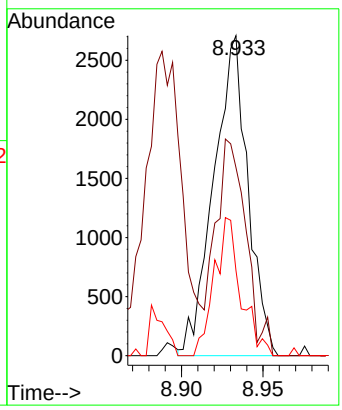


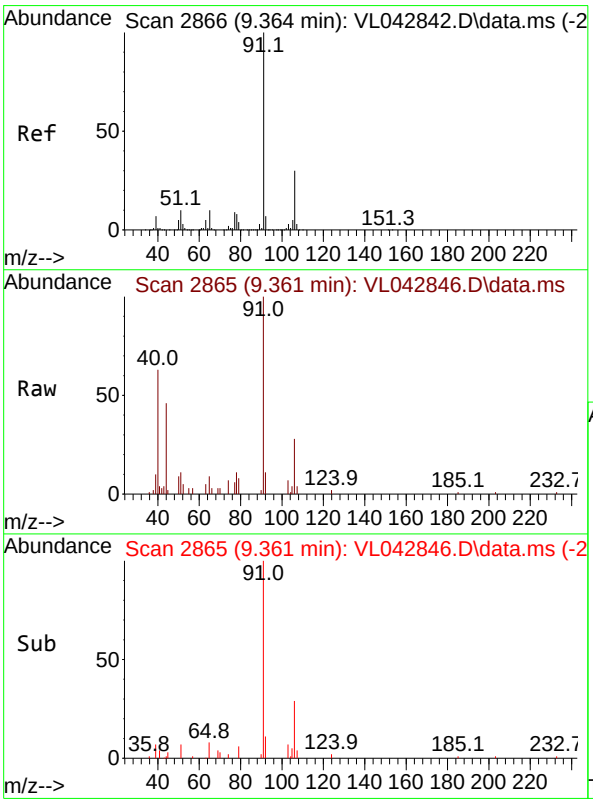
#57
Chlorobenzene
Concen: 0.120 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 3936

Ion	Ratio	Lower	Upper
112	100		
77	62.3	55.5	83.3
114	26.7	27.2	33.2#

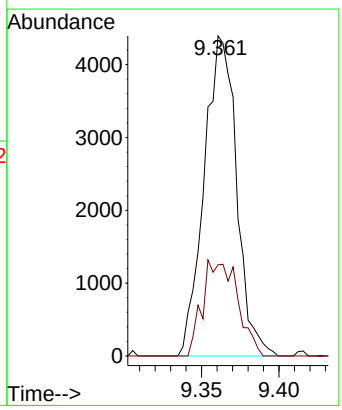


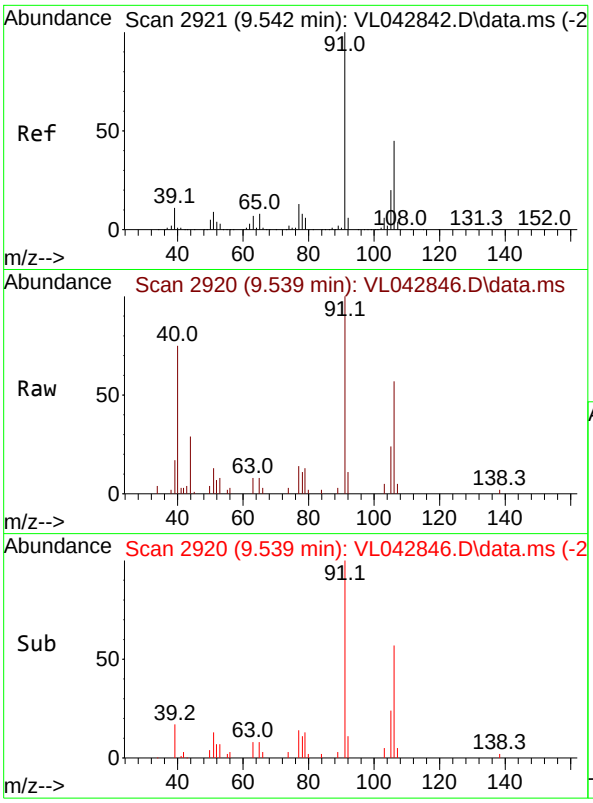


#58
Ethyl Benzene
Concen: 0.105 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 91 Resp: 6413

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.9	35.9



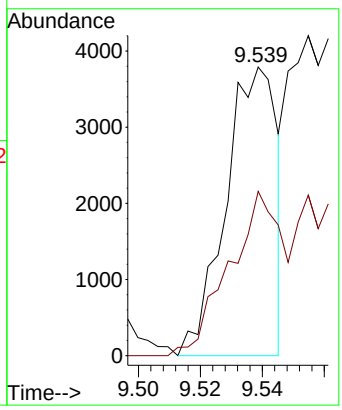


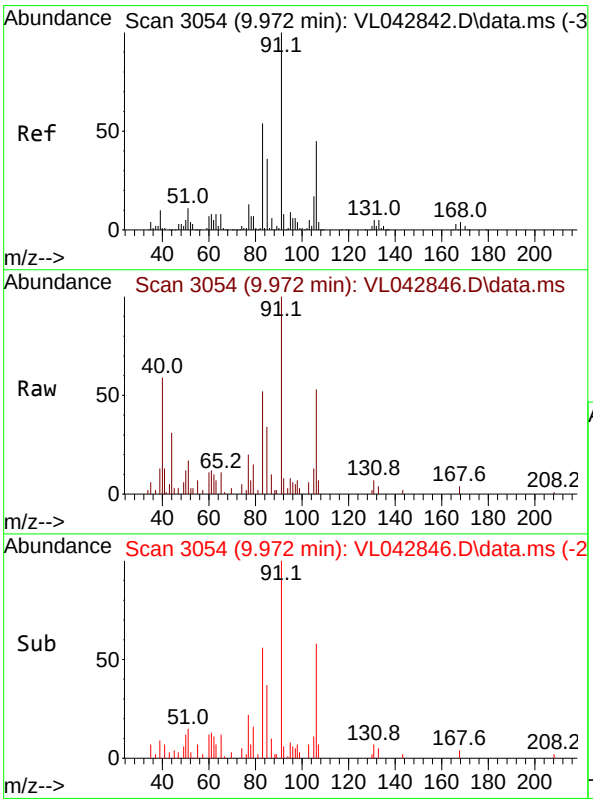
#59
m/p-Xylene
Concen: 0.091 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 4356

Ion	Ratio	Lower	Upper
91	100		
106	114.3	0.0	0.0#

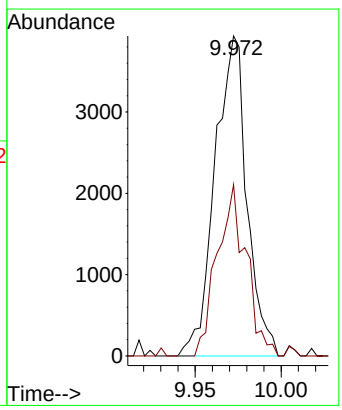


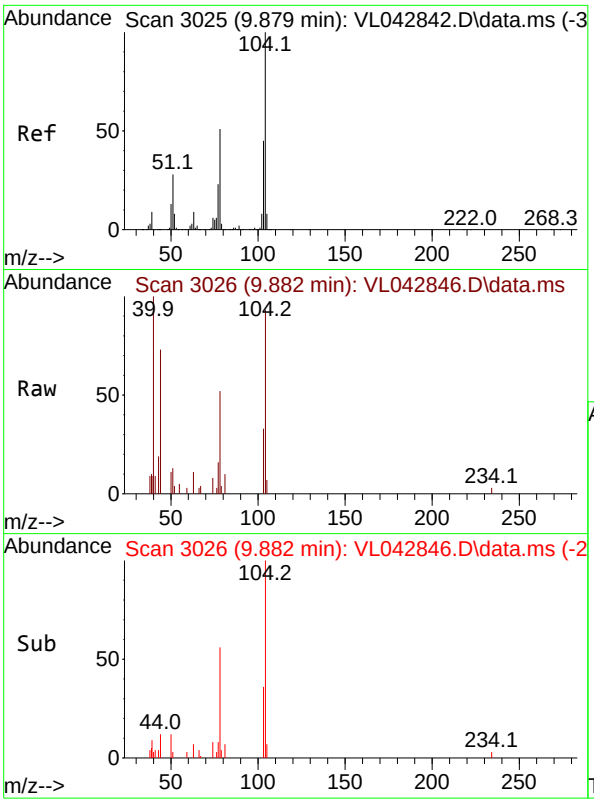


#60
o-Xylene
Concen: 0.106 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 91 Resp: 5090

Ion	Ratio	Lower	Upper
91	100		
106	49.7	21.8	65.4



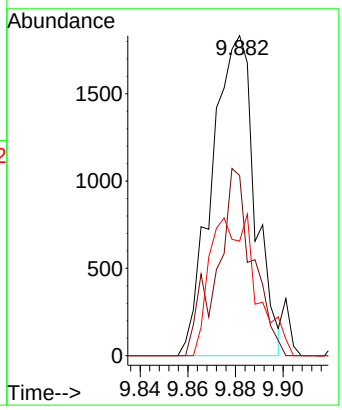


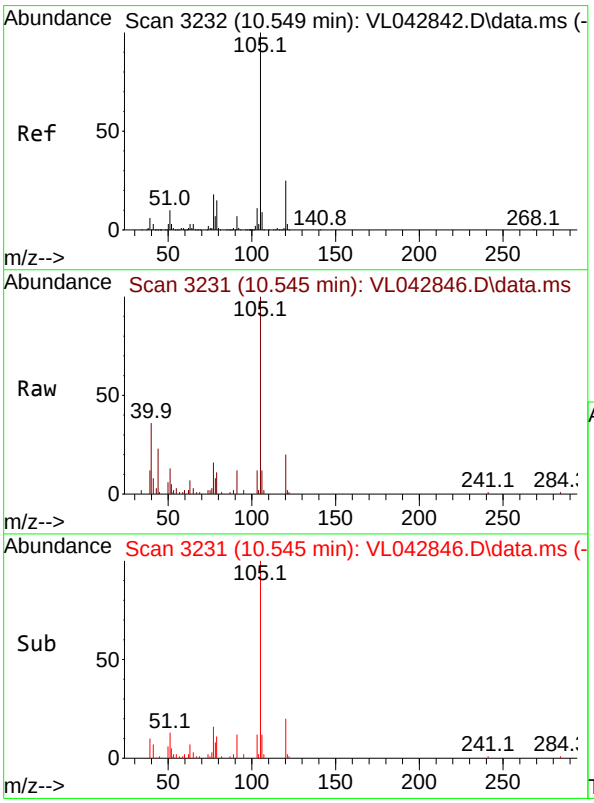
#61
Styrene
Concen: 0.103 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 2306

Ion	Ratio	Lower	Upper
104	100		
78	48.8	40.6	61.0
103	46.2	37.7	56.5

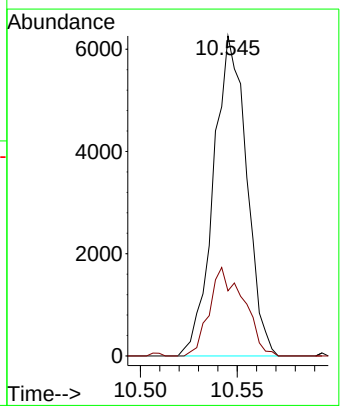


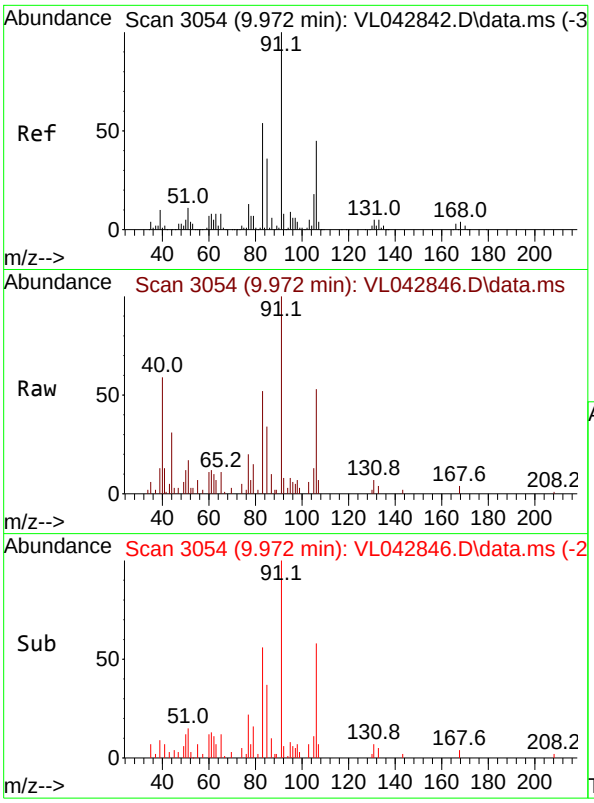


#62
Isopropylbenzene
Concen: 0.106 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:105 Resp: 7444

Ion	Ratio	Lower	Upper
105	100		
120	28.9	20.6	30.8



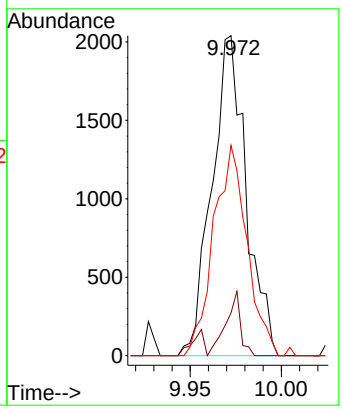


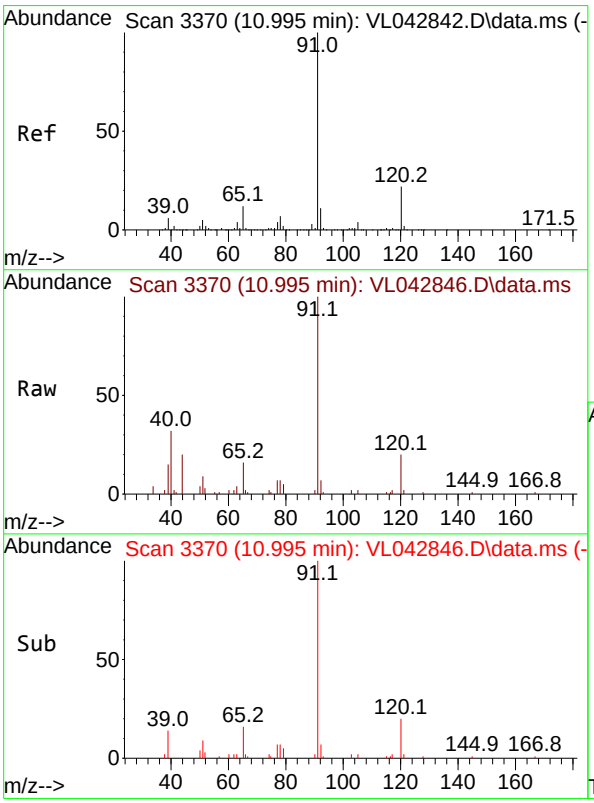
#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 9.972 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 2672

Ion	Ratio	Lower	Upper
83	100		
131	11.4	4.8	14.3
85	64.3	32.3	96.8

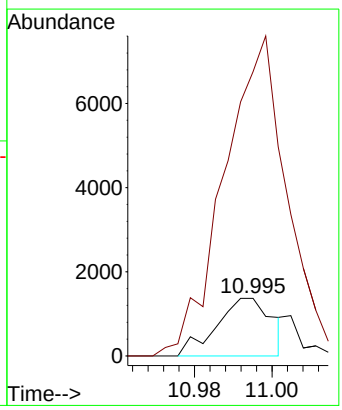


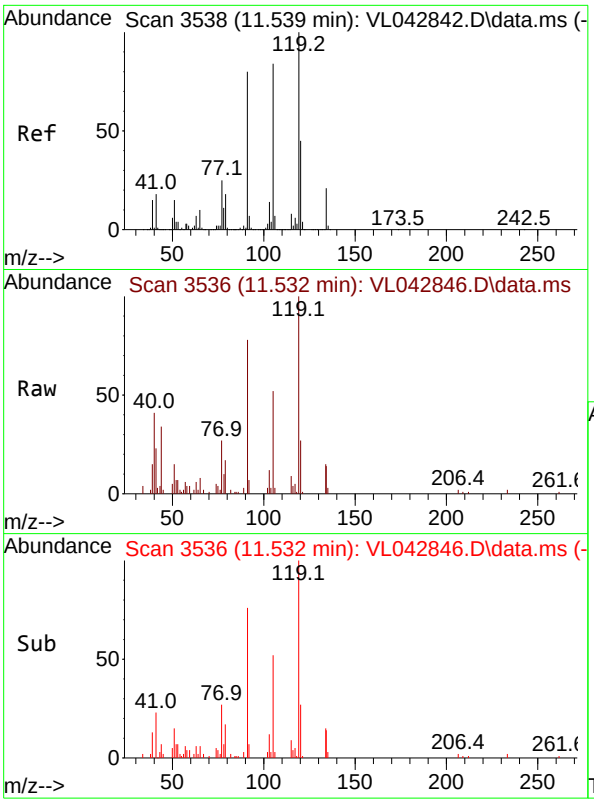


#64
n-propylbenzene
Concen: 0.077 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:120 Resp: 1372

Ion	Ratio	Lower	Upper
120	100		
91	640.0	375.8	563.6#



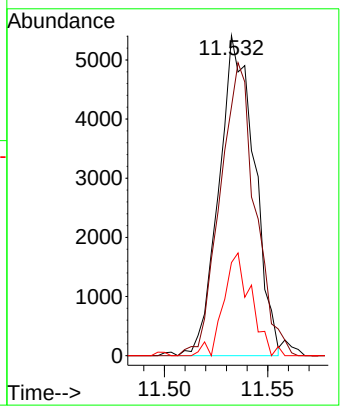


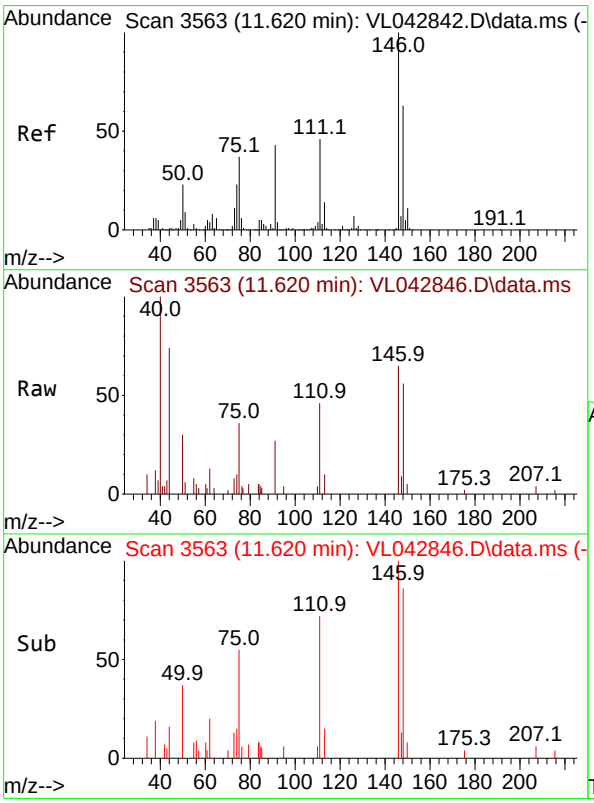
#65
tert-Butylbenzene
Concen: 0.104 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 6442

Ion	Ratio	Lower	Upper
119	100		
91	91.1	63.9	95.9
134	25.4	17.0	25.4

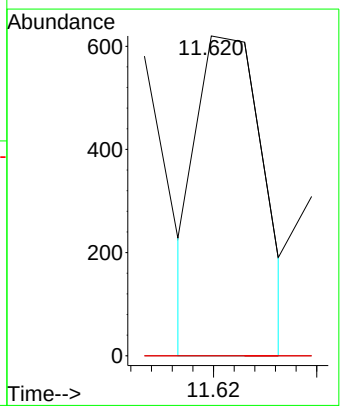


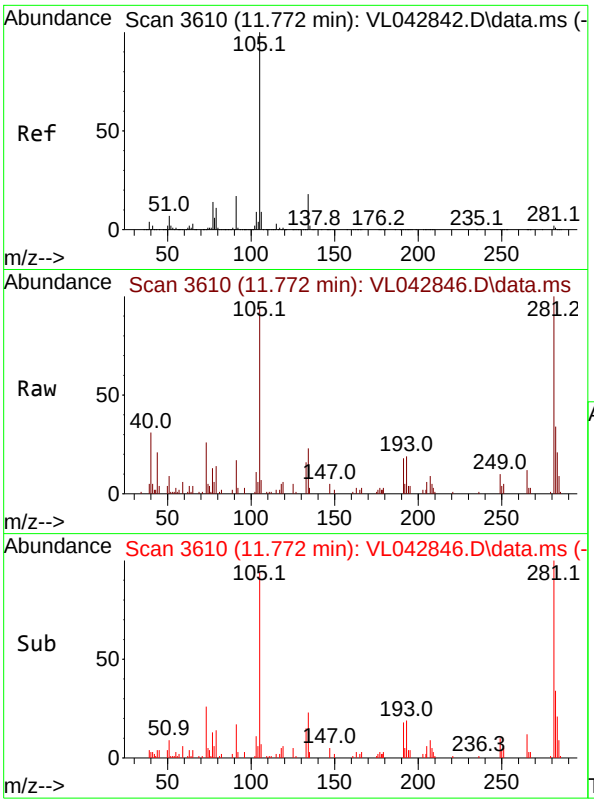


#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 91 Resp: 276

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.2	21.4#
128	0.0	5.0	7.6#



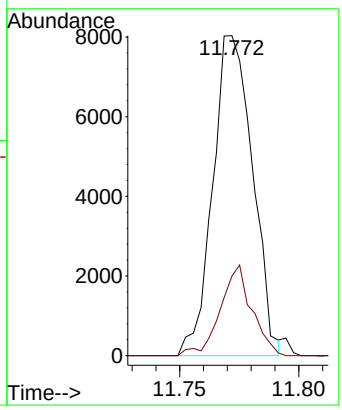


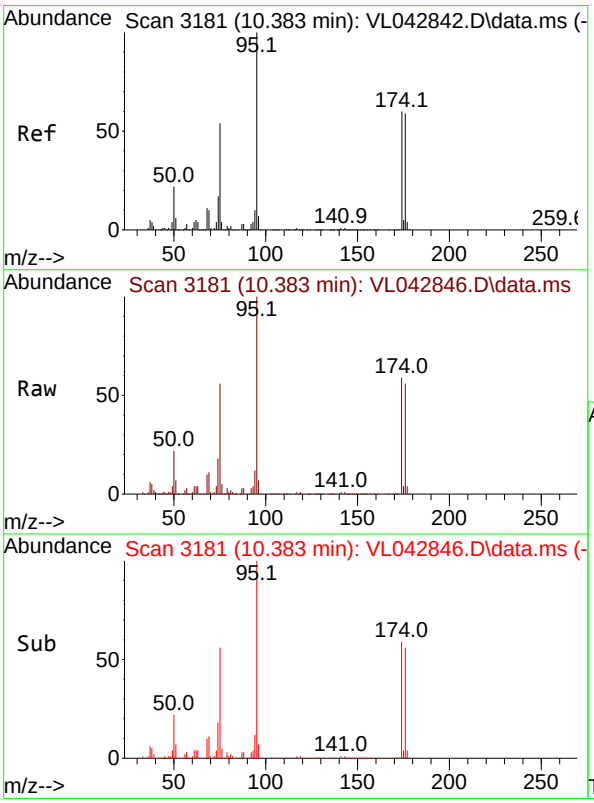
#67
sec-Butylbenzene
Concen: 0.107 ppbv
RT: 11.772 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 9332

Ion	Ratio	Lower	Upper
105	100		
134	22.4	14.9	22.3#

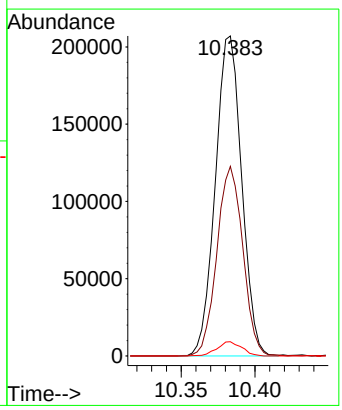


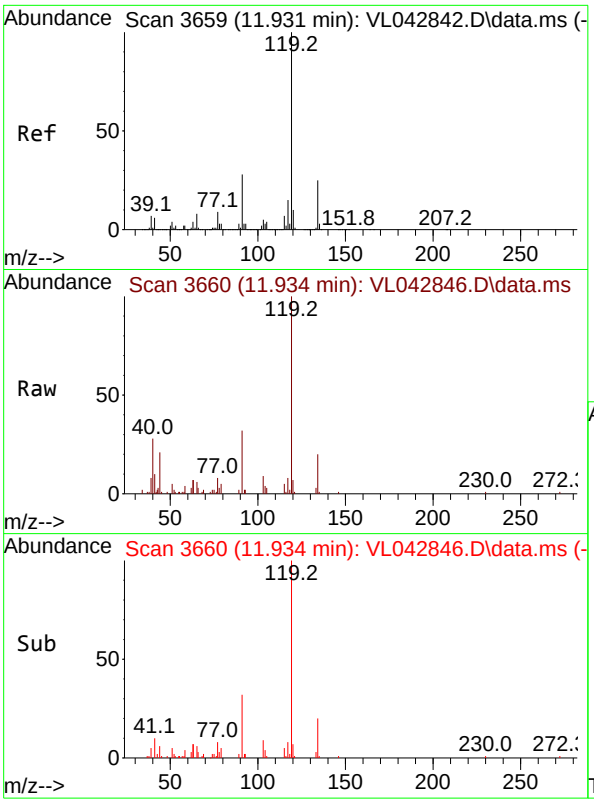


#68
1-Bromo-4-Fluorobenzene
Concen: 9.948 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 95 Resp: 257439

Ion	Ratio	Lower	Upper
95	100		
174	58.3	48.4	72.6
175	4.2	3.8	5.8



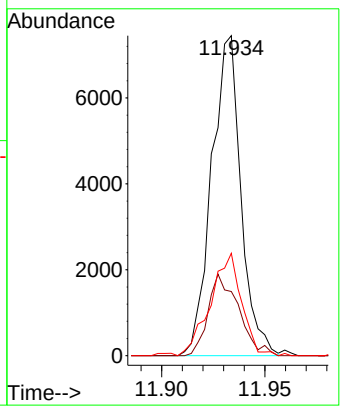


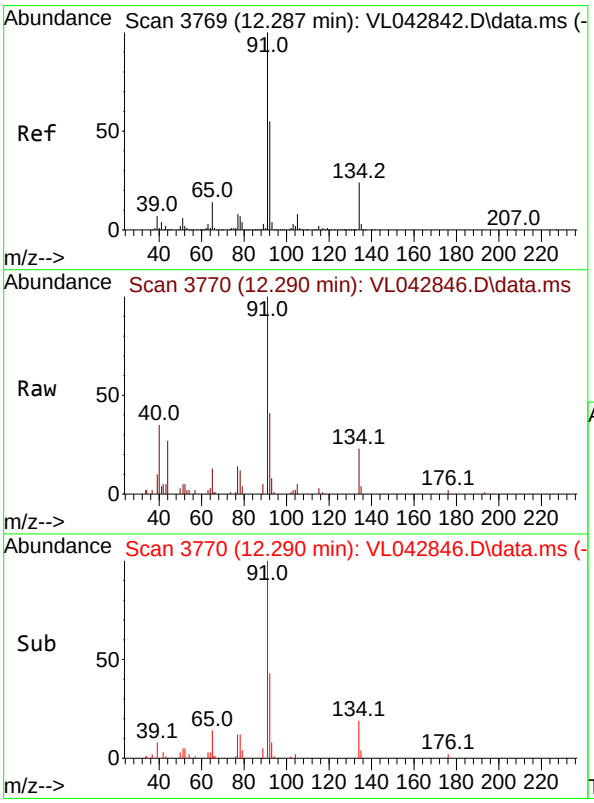
#69
p-Isopropyltoluene
Concen: 0.099 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 7360

Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.6	30.8
91	34.5	22.6	34.0#

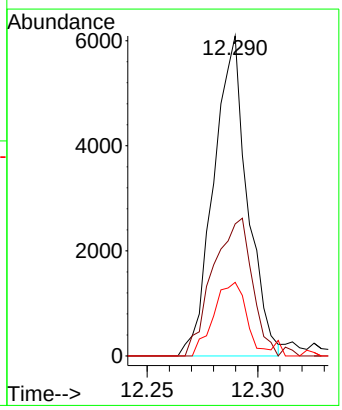


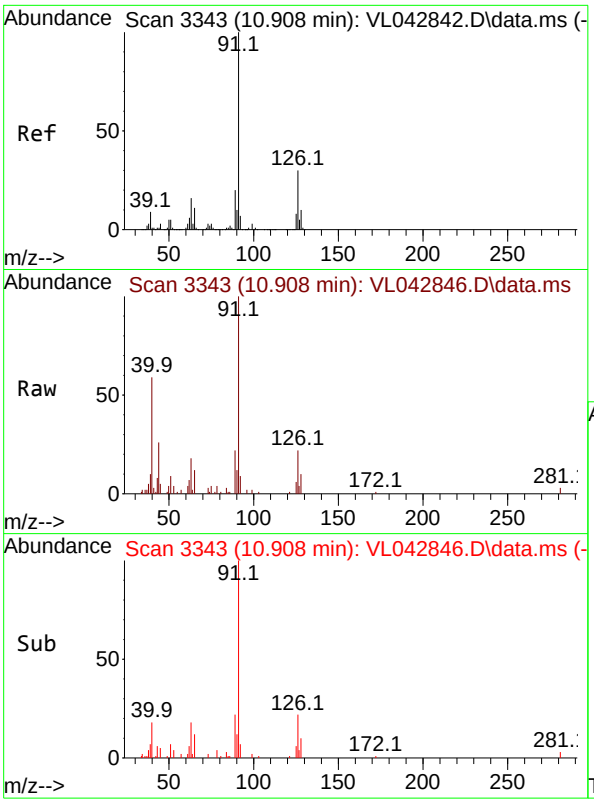


#70
n-Butylbenzene
Concen: 0.087 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion: 91 Resp: 6458

Ion	Ratio	Lower	Upper
91	100		
92	50.7	44.6	66.8
134	24.0	19.0	28.4



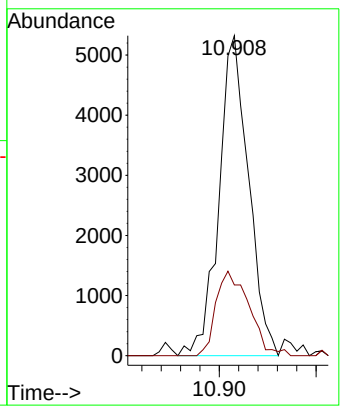


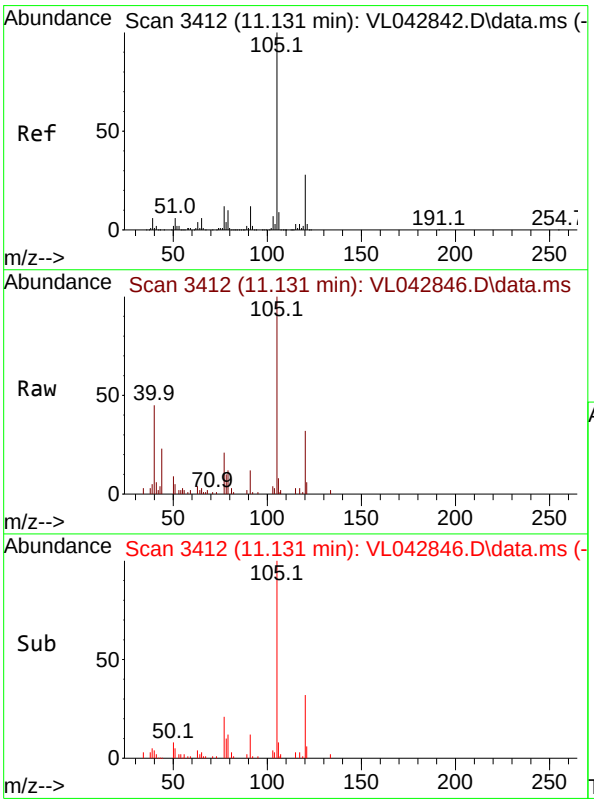
#71
2-Chlorotoluene
Concen: 0.104 ppbv
RT: 10.908 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5660

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	47.8

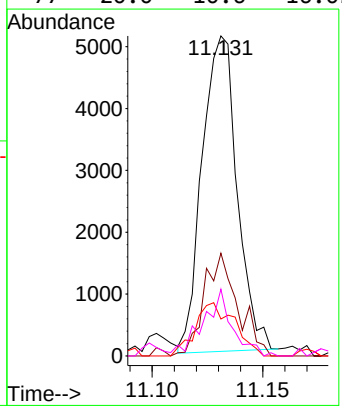


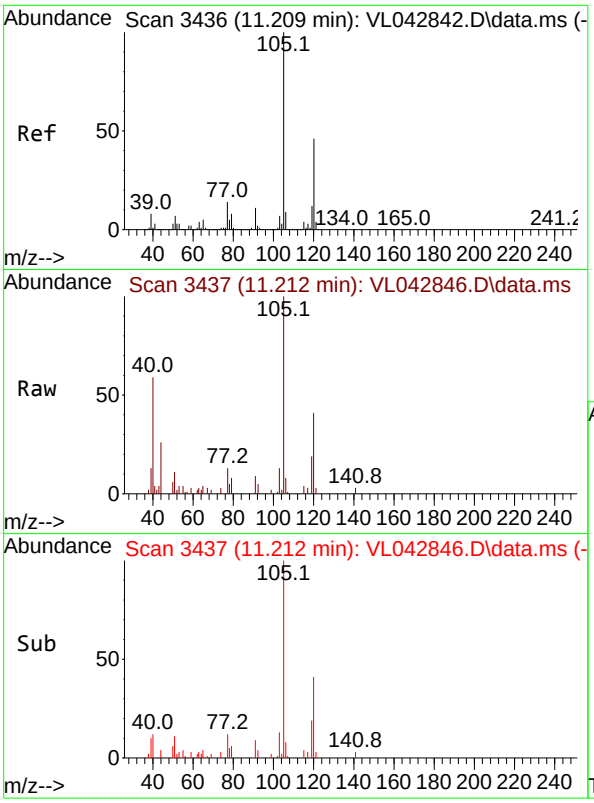


#72
4-Ethyltoluene
Concen: 0.097 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:105 Resp: 5621

Ion	Ratio	Lower	Upper
105	100		
120	32.0	23.4	35.2
91	21.2	9.8	14.6#
77	20.0	10.6	16.0#



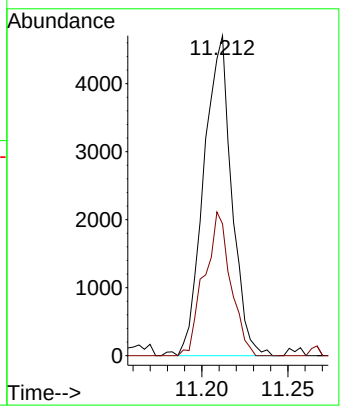


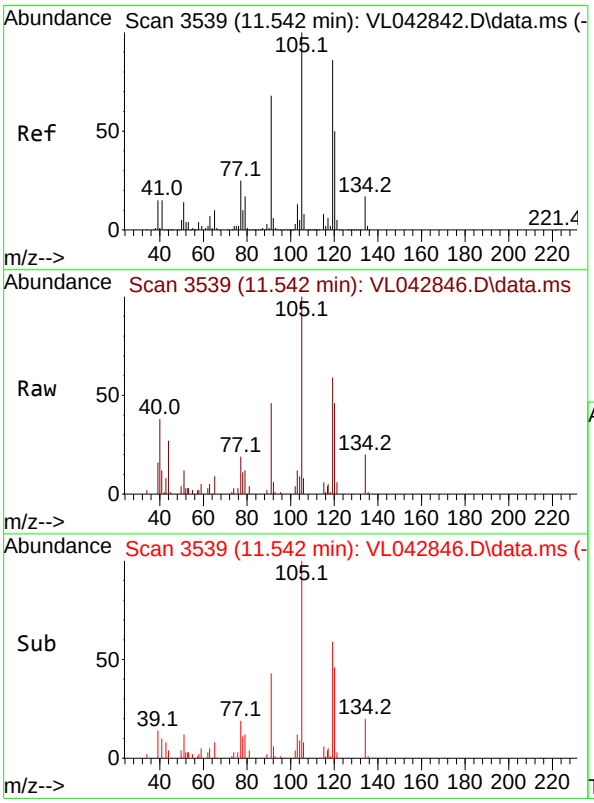
#73
1,3,5-Trimethylbenzene
Concen: 0.107 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 5297

Ion	Ratio	Lower	Upper
105	100		
120	41.2	36.6	54.8

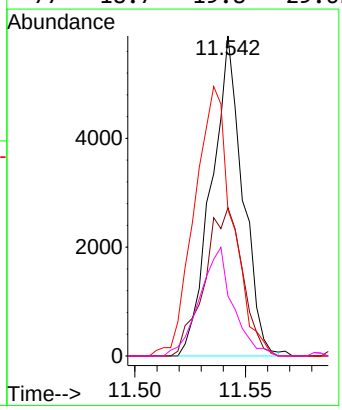


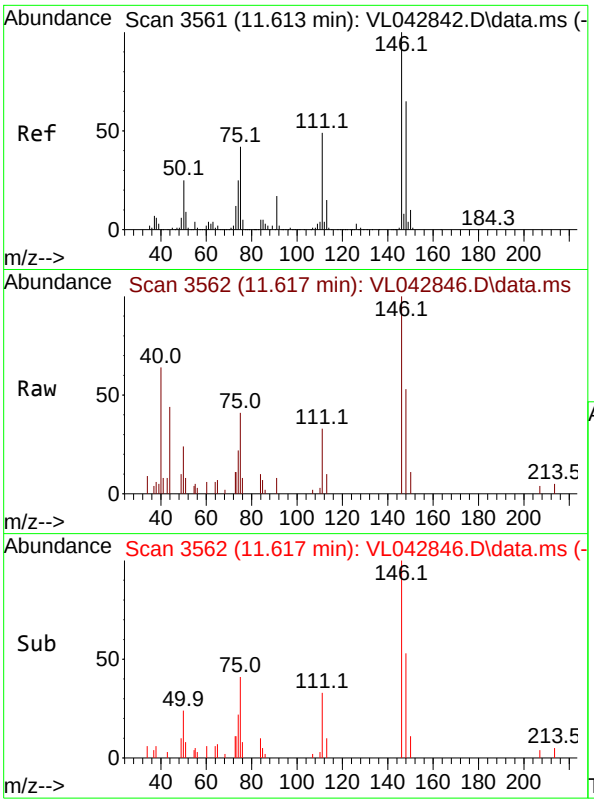


#74
1,2,4-Trimethylbenzene
Concen: 0.106 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:105 Resp: 5786

Ion	Ratio	Lower	Upper
105	100		
120	46.3	39.8	59.6
91	45.6	54.2	81.4#
77	18.7	19.8	29.6#



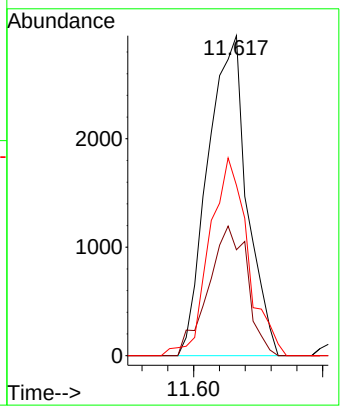


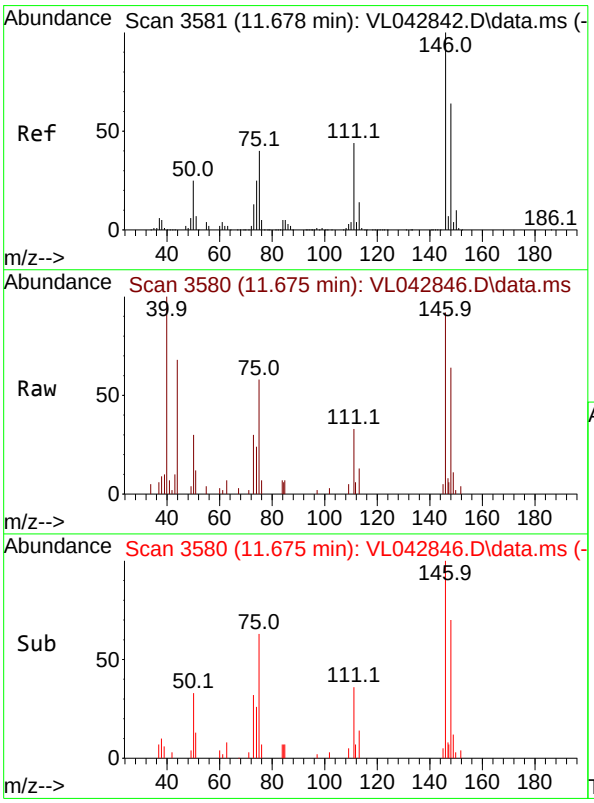
#75
1,3-Dichlorobenzene
Concen: 0.101 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3112

Ion	Ratio	Lower	Upper
146	100		
111	40.1	23.9	71.7
148	60.4	31.4	94.0

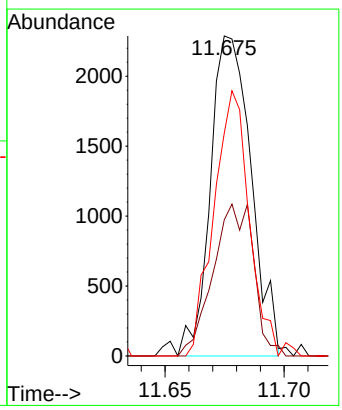


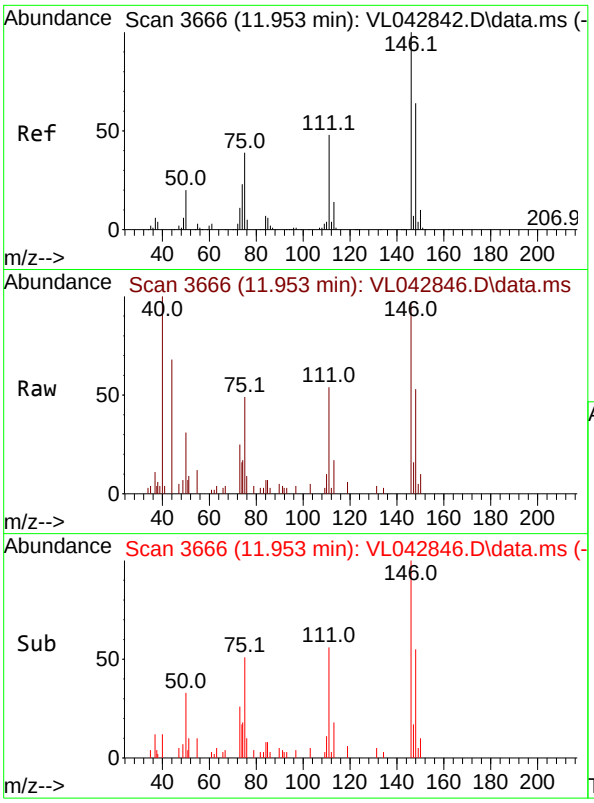


#76
1,4-Dichlorobenzene
Concen: 0.087 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:146 Resp: 2717

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.7	68.1
148	72.9	31.8	95.3



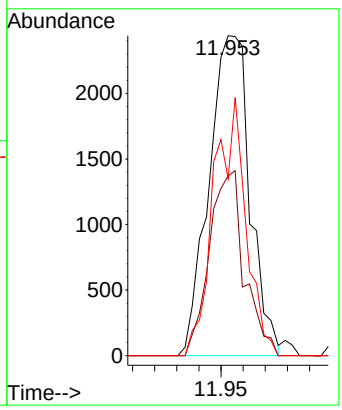


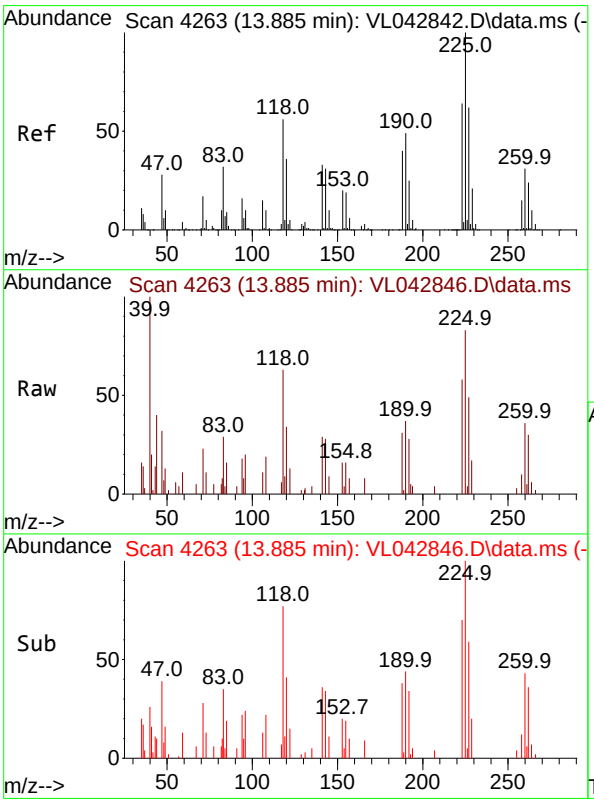
#77
1,2-Dichlorobenzene
Concen: 0.104 ppbv
RT: 11.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3151

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.6	74.0
148	63.3	32.0	96.0

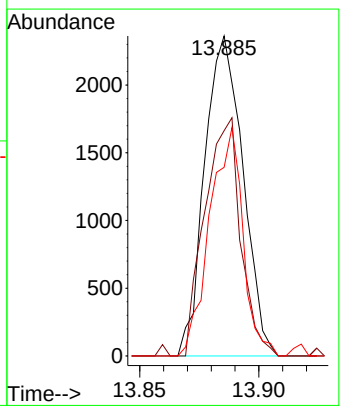


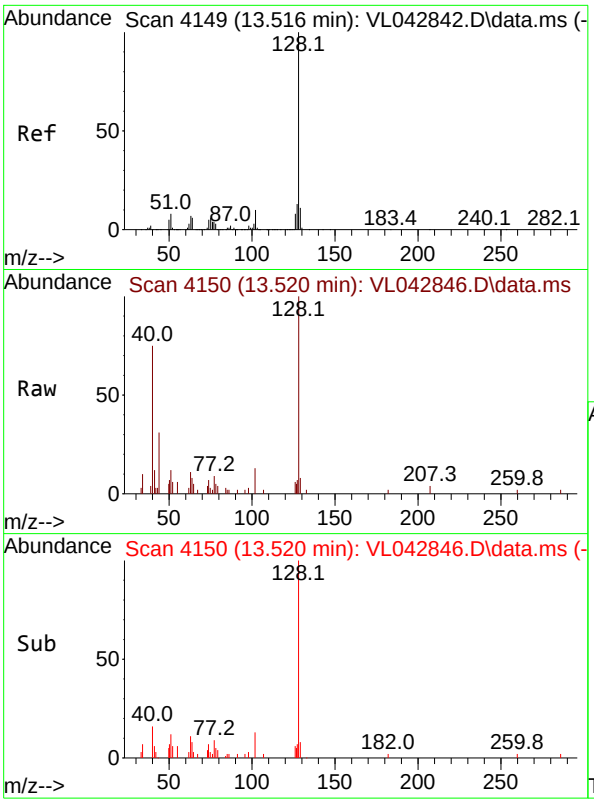


#78
Hexachloro-1,3-Butadiene
Concen: 0.106 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:225 Resp: 2639

Ion	Ratio	Lower	Upper
225	100		
223	70.3	51.4	77.2
227	62.8	51.9	77.9



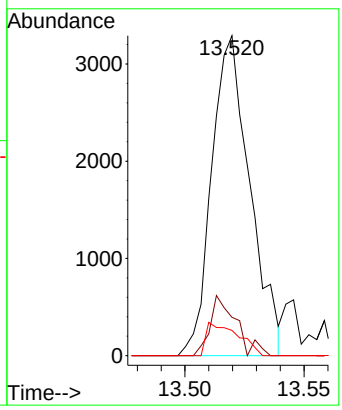


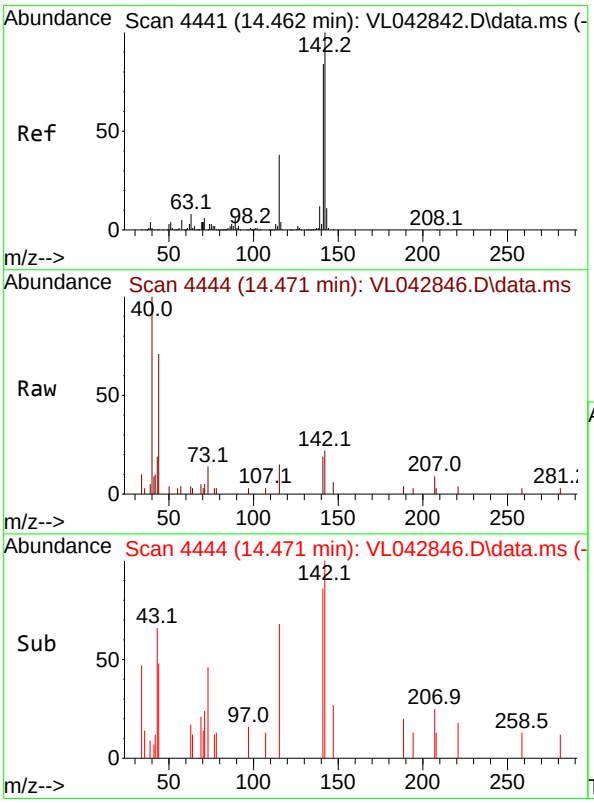
#79
Naphthalene
Concen: 0.075 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 3670

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	16.0
129	7.9	8.9	13.3#

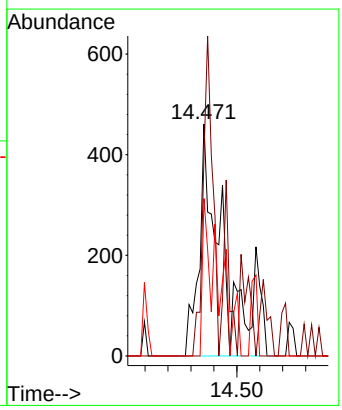


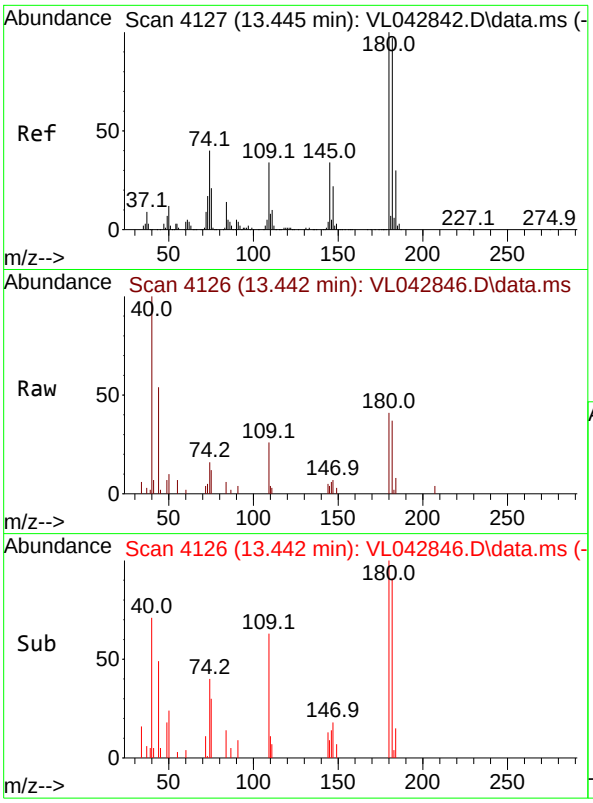


#80
Naphthalene,2-methyl-
Concen: 0.037 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.010 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:142 Resp: 682

Ion	Ratio	Lower	Upper
142	100		
141	104.0	67.0	100.6#
115	43.4	30.9	46.3



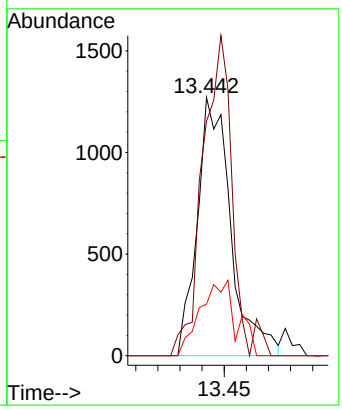


#81
1,2,4-Trichlorobenzene
Concen: 0.054 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 1342

Ion	Ratio	Lower	Upper
180	100		
182	109.0	76.9	115.3
184	31.3	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	122705	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	390076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	339700	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	250082	9.816	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	549	0.031	ppbv	92
3) Chlorodifluoromethane	1.479	51	868	0.044	ppbv #	83
4) Chloromethane	1.537	50	498	0.069	ppbv #	70
5) Vinyl Chloride	1.583	62	268	0.037	ppbv #	81
6) Bromomethane	1.667	94	184	0.064	ppbv #	52
7) Chloroethane	1.706	64	240	0.086	ppbv #	1
8) Dichlorotetrafluoroethane	1.557	85	549	0.037	ppbv	85
9) Propene	1.602	41	687	0.080	ppbv	93
10) Heptane	4.994	43	492	0.021	ppbv #	1
11) Trichlorofluoromethane	1.884	101	420	0.024	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	592	0.042	ppbv #	78
13) Ethanol	1.722	45	370	0.435	ppbv #	32
14) Bromoethene	1.787	108	243	0.047	ppbv #	66
15) Acetone	1.845	43	1759	0.108	ppbv #	44
16) 1,3-Butadiene	1.612	39	303	0.041	ppbv #	1
17) tert-Butyl alcohol	2.039	59	167	0.009	ppbv #	71
18) 1,1-Dichloroethene	2.042	96	464	0.075	ppbv #	27
19) Isopropyl Alcohol	1.893	45	945	0.097	ppbv #	65
20) Methylene Chloride	2.068	84	2076	0.305	ppbv #	73
21) Allyl Chloride	2.104	41	953	0.083	ppbv #	50
22) trans-1,2-Dichloroethene	2.350	96	317	0.046	ppbv #	21
23) Vinyl Acetate	2.470	43	629	0.029	ppbv #	36
24) 1,1-Dichloroethane	2.411	63	388	0.027	ppbv #	71
25) Ethyl Acetate	2.839	43	126	0.003	ppbv #	1
26) Hexane	2.826	57	483	0.027	ppbv #	1
27) Carbon Disulfide	2.159	76	509	0.029	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	517	0.056	ppbv #	1
29) Chloroform	2.855	83	902	0.035	ppbv	100
30) Cyclohexane	3.861	84	352	0.022	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	497	0.027	ppbv #	73
32) 1,1,1-Trichloroethane	3.379	97	493	0.018	ppbv #	31
34) 2-Butanone	2.567	43	422	0.016	ppbv #	52
35) Carbon Tetrachloride	3.774	117	756	0.028	ppbv #	68
36) Benzene	3.670	78	1185	0.032	ppbv #	90
37) 1,2-Dichloroethane	3.227	62	792	0.041	ppbv #	94
38) Trichloroethene	4.560	130	363	0.021	ppbv #	45
39) 1,2-Dichloropropane	3.968	63	93873	6.881	ppbv #	27
40) 1,4-Dioxane	4.641	88	105	0.016	ppbv #	1
41) Tetrahydrofuran	3.059	42	127	0.009	ppbv #	36
42) Bromodichloromethane	4.499	83	271	0.009	ppbv #	91
43) Methyl Methacrylate	4.900	69	270	0.018	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	726	0.012	ppbv #	43
45) t-1,3-Dichloropropene	6.428	75	162	0.009	ppbv #	1

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

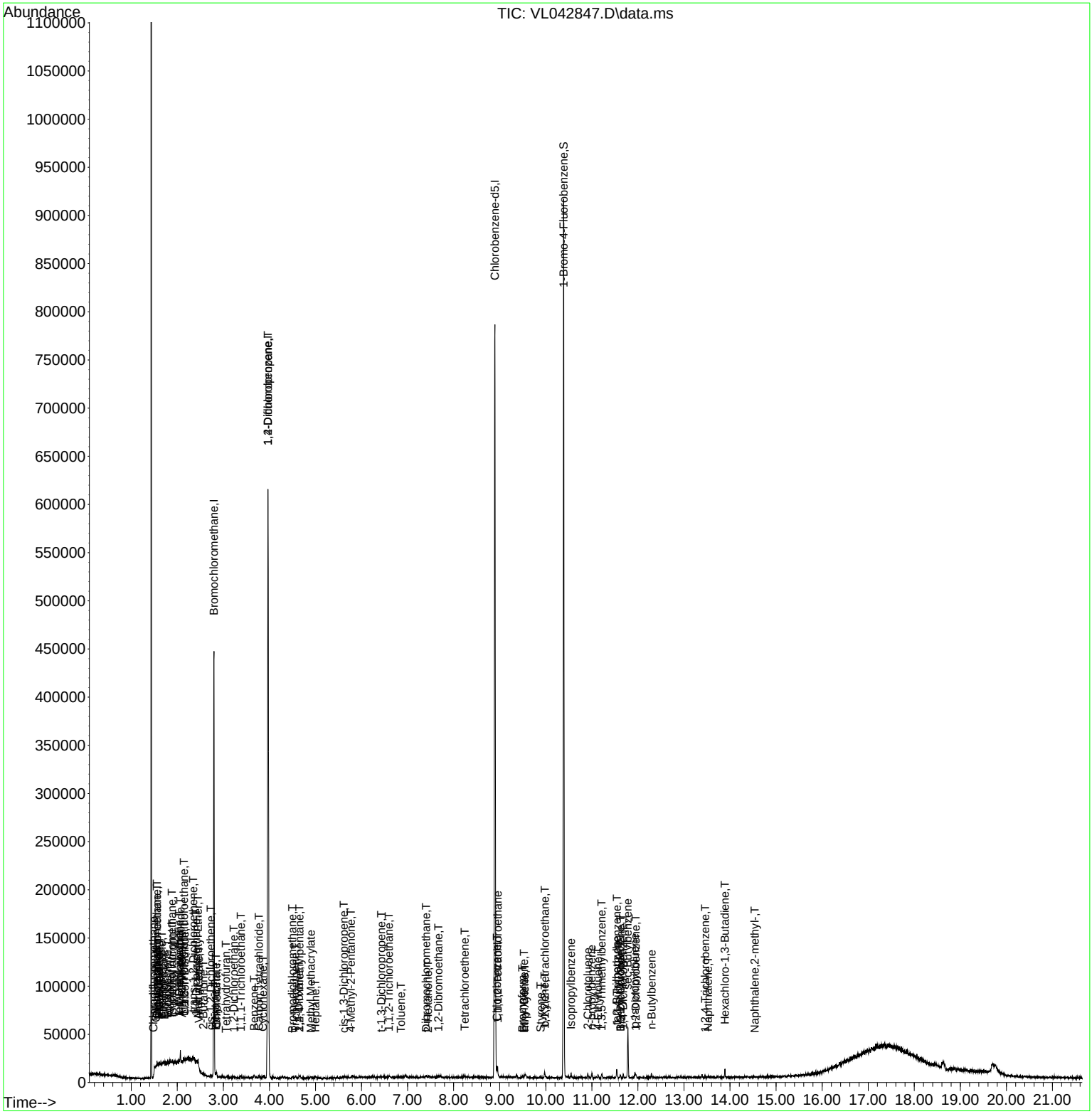
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	343	0.016	ppbv	#	65
47) 1,1,2-Trichloroethane	6.593	97	30	0.002	ppbv	#	27
48) Dibromochloromethane	7.399	129	593	0.025	ppbv		71
49) Bromoform	9.493	173	431	0.022	ppbv		93
50) 4-Methyl-2-Pentanone	5.768	43	54	0.002	ppbv	#	38
51) 2-Hexanone	7.444	43	92	0.003	ppbv	#	27
52) Tetrachloroethene	8.241	164	262	0.019	ppbv	#	67
53) Toluene	6.855	91	39	0.001	ppbv		99
54) 1,2-Dibromoethane	7.668	107	313	0.015	ppbv	#	56
56) 1,1,1,2-Tetrachloroethane	8.953	131	49	0.003	ppbv	#	8
57) Chlorobenzene	8.943	112	561	0.017	ppbv	#	70
58) Ethyl Benzene	9.529	91	267	0.004	ppbv		96
59) m/p-Xylene	9.542	91	1589	0.034	ppbv	#	100
60) o-Xylene	9.975	91	1722	0.036	ppbv		90
61) Styrene	9.888	104	354	0.016	ppbv	#	28
62) Isopropylbenzene	10.548	105	1945	0.028	ppbv	#	87
63) 1,1,2,2-Tetrachloroethane	9.979	83	451	0.017	ppbv	#	1
64) n-propylbenzene	10.998	120	470	0.027	ppbv	#	63
65) tert-Butylbenzene	11.539	119	2234	0.037	ppbv	#	98
66) Benzyl Chloride	11.626	91	27	0.003	ppbv	#	65
67) sec-Butylbenzene	11.778	105	2703	0.032	ppbv	#	64
69) p-Isopropyltoluene	11.934	119	2136	0.029	ppbv	#	88
70) n-Butylbenzene	12.296	91	829	0.011	ppbv	#	4
71) 2-Chlorotoluene	10.911	91	1870	0.035	ppbv		97
72) 4-Ethyltoluene	11.134	105	1543	0.027	ppbv	#	81
73) 1,3,5-Trimethylbenzene	11.212	105	1716	0.035	ppbv		96
74) 1,2,4-Trimethylbenzene	11.545	105	1610	0.030	ppbv	#	76
75) 1,3-Dichlorobenzene	11.623	146	182	0.006	ppbv	#	23
76) 1,4-Dichlorobenzene	11.681	146	596	0.019	ppbv		70
77) 1,2-Dichlorobenzene	11.953	146	701	0.024	ppbv		87
78) Hexachloro-1,3-Butadiene	13.888	225	744	0.030	ppbv	#	84
79) Naphthalene	13.523	128	998	0.021	ppbv	#	87
80) Naphthalene,2-methyl-	14.536	142	73	0.004	ppbv	#	78
81) 1,2,4-Trichlorobenzene	13.461	180	114	0.005	ppbv	#	1

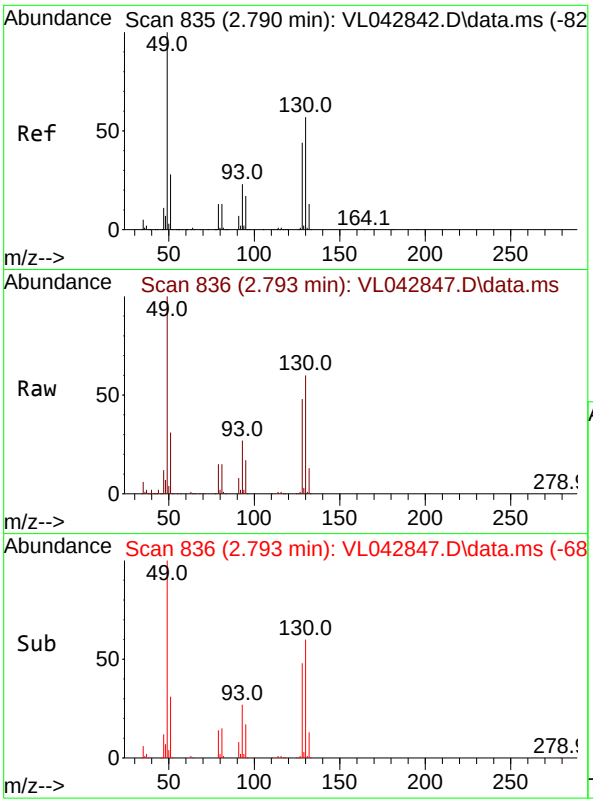
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



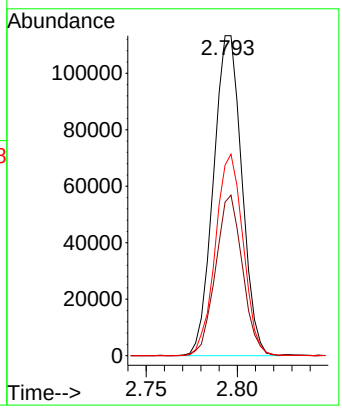


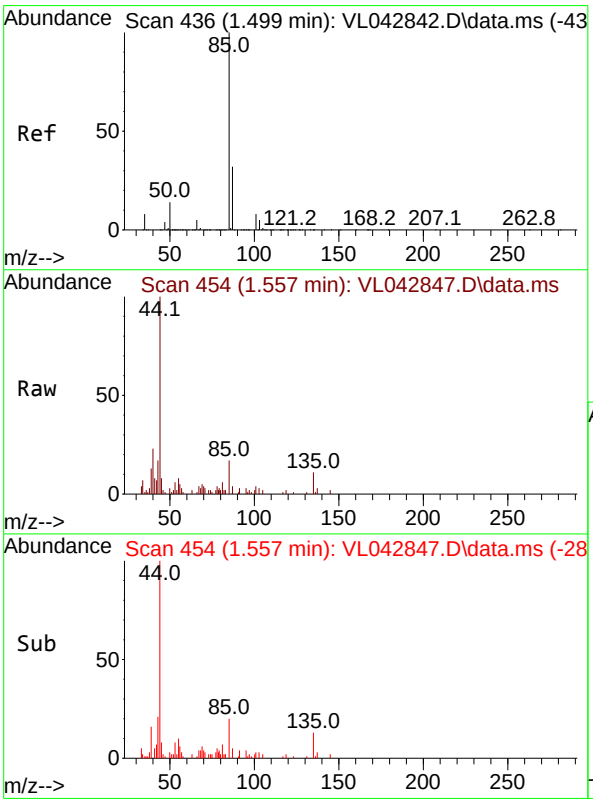
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 122705

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.7	71.1
130	61.6	30.6	91.6

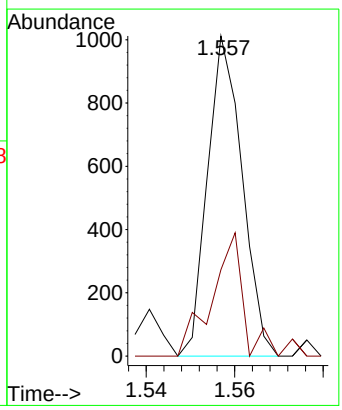


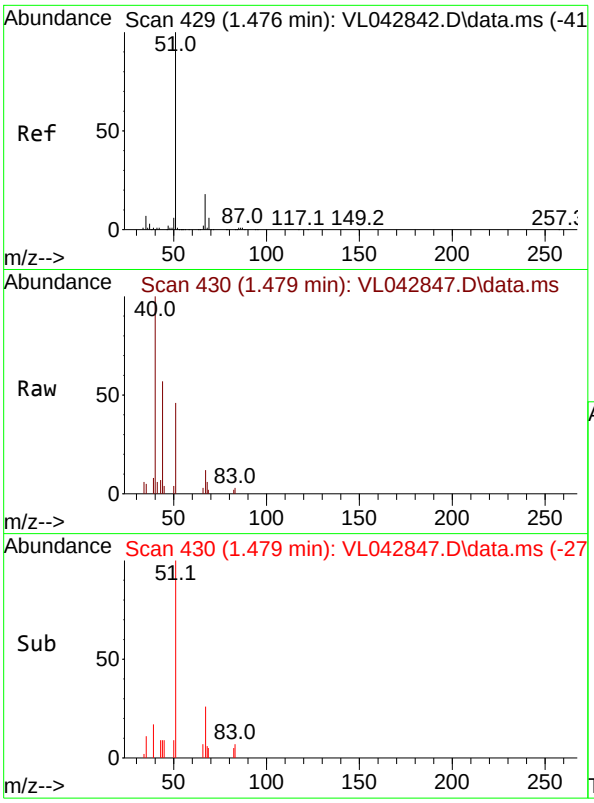


#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.058 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 85 Resp: 549

Ion	Ratio	Lower	Upper
85	100		
87	27.0	25.3	37.9



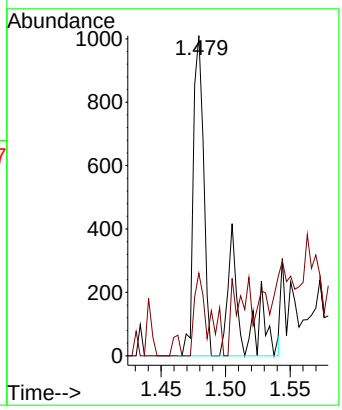


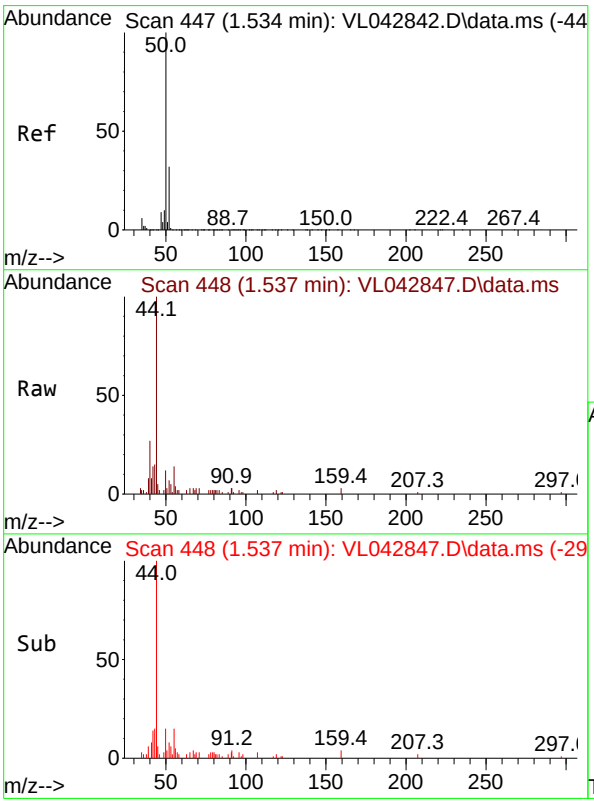
#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 868

Ion	Ratio	Lower	Upper
51	100		
67	26.4	14.9	22.3#

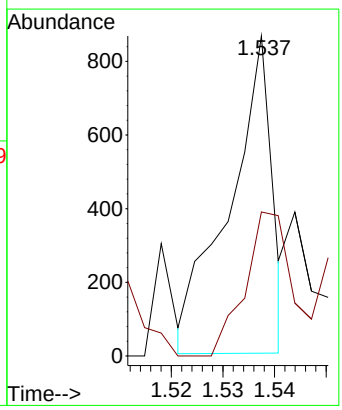


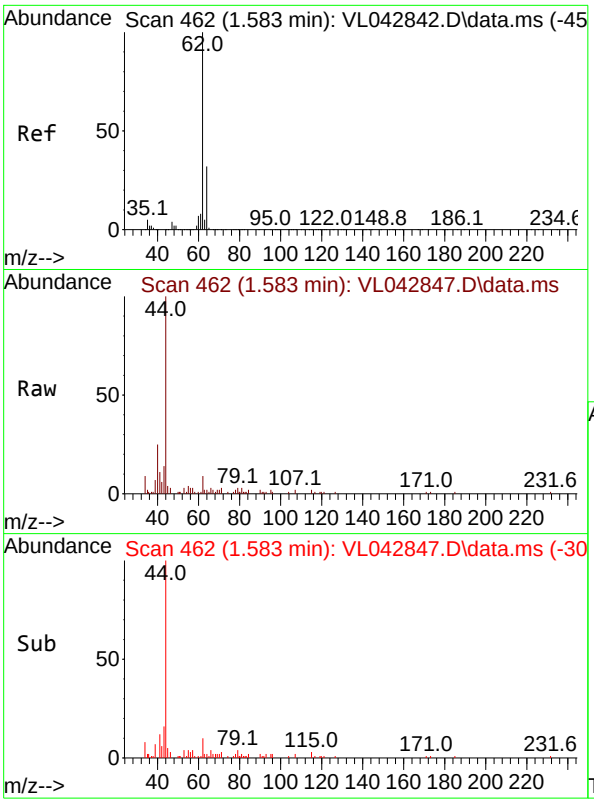


#4
Chloromethane
Concen: 0.069 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 50 Resp: 498

Ion	Ratio	Lower	Upper
50	100		
52	49.3	25.9	38.9#



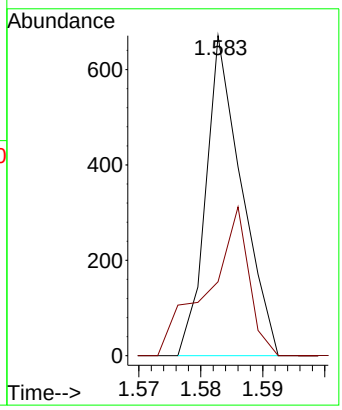


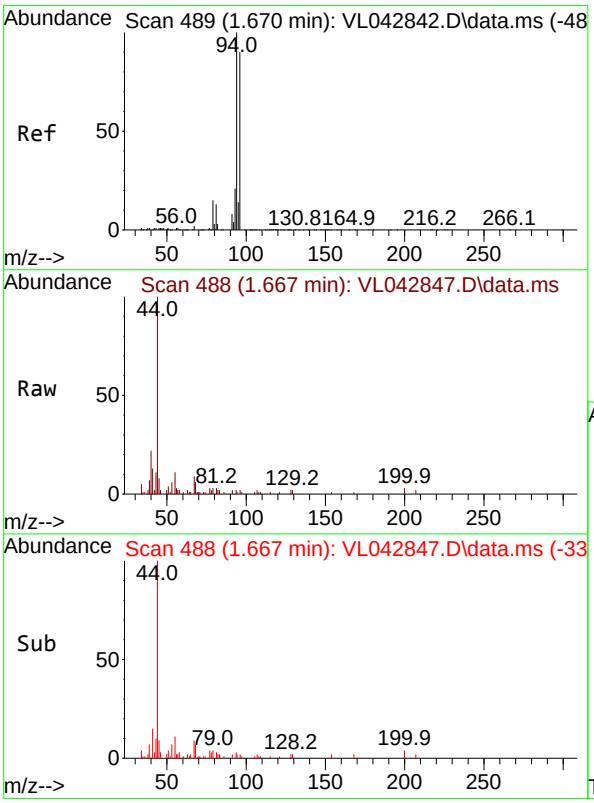
#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 268

Ion	Ratio	Lower	Upper
62	100		
64	21.2	25.4	38.2#

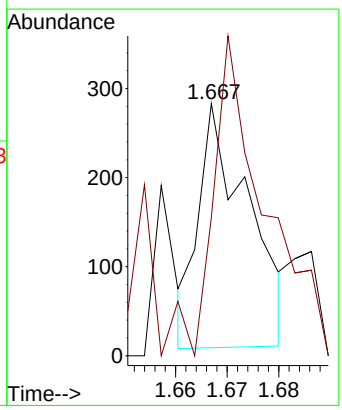


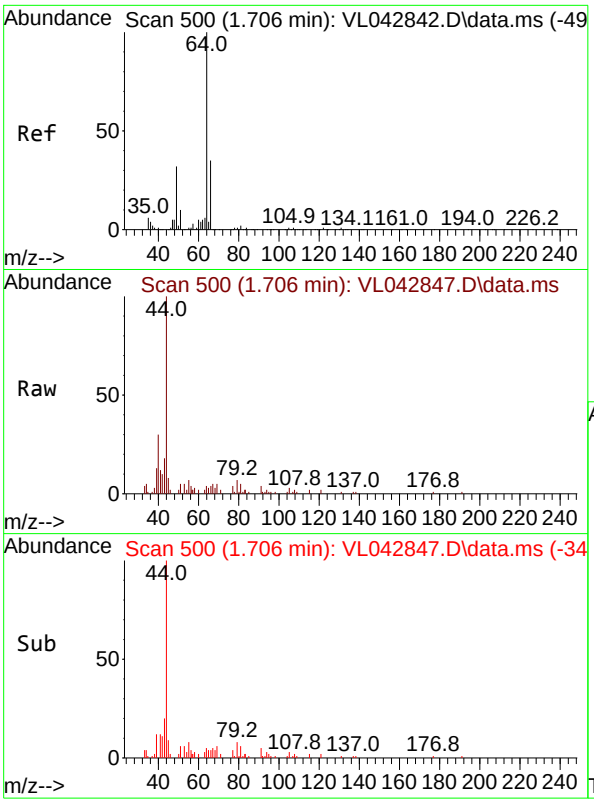


#6
Bromomethane
Concen: 0.064 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 94 Resp: 184

Ion	Ratio	Lower	Upper
94	100		
96	45.2	72.1	108.1#



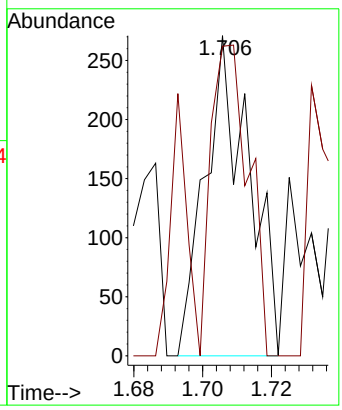


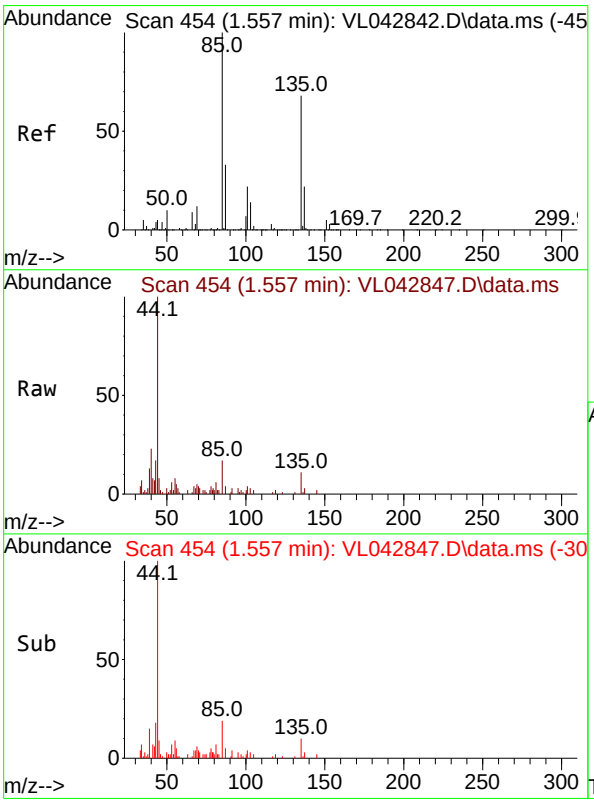
#7
Chloroethane
Concen: 0.086 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 240

Ion	Ratio	Lower	Upper
64	100		
66	96.7	28.6	42.8#

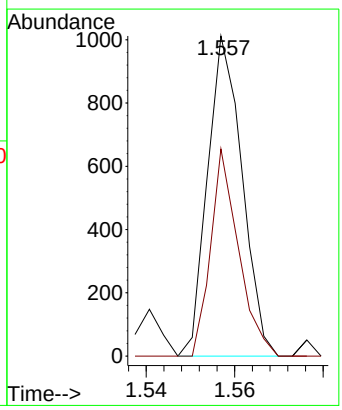


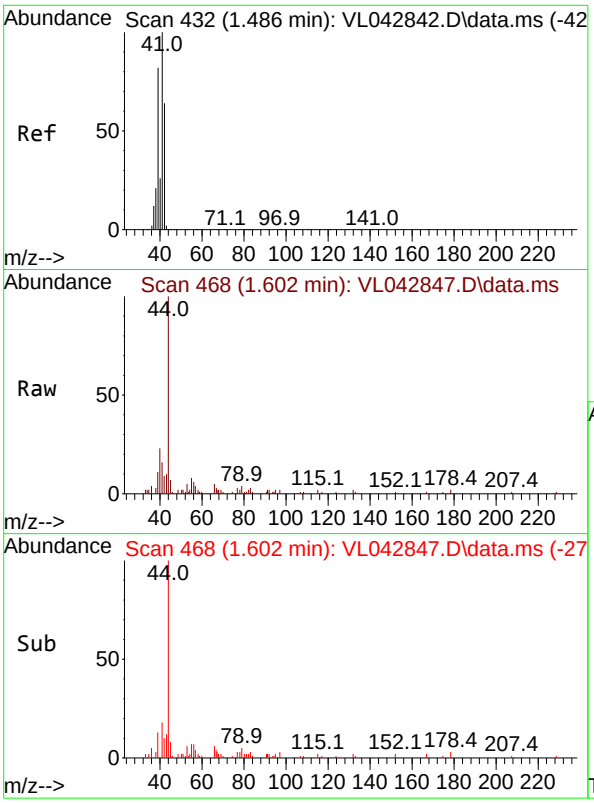


#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 85 Resp: 549

Ion	Ratio	Lower	Upper
85	100		
135	52.3	51.2	76.8



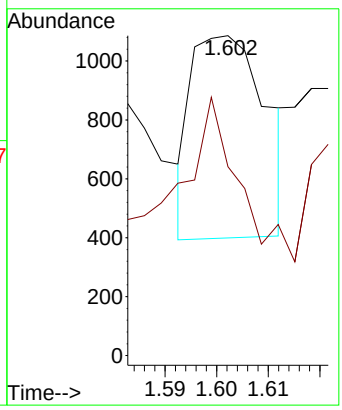


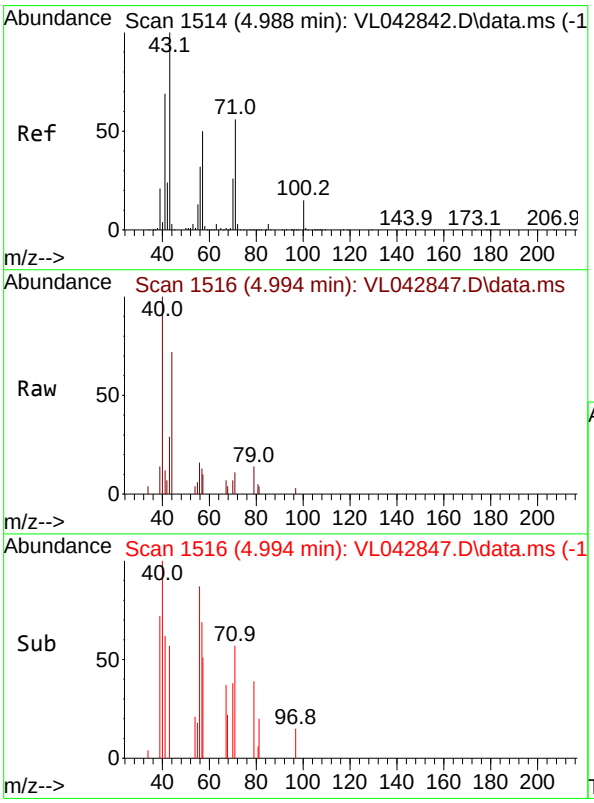
#9
Propene
Concen: 0.080 ppbv
RT: 1.602 min Scan# 4
Delta R.T. 0.116 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 687

Ion	Ratio	Lower	Upper
41	100		
42	72.1	53.0	79.4

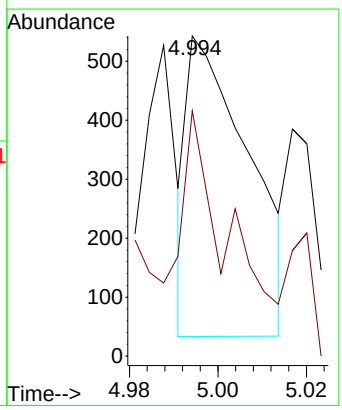


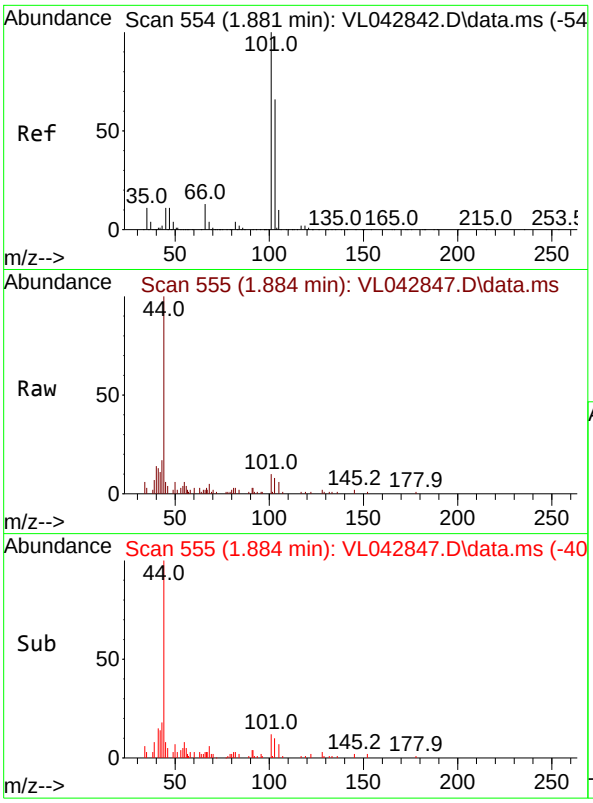


#10
Heptane
Concen: 0.021 ppbv
RT: 4.994 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 43 Resp: 492

Ion	Ratio	Lower	Upper
43	100		
57	137.2	41.4	62.0#



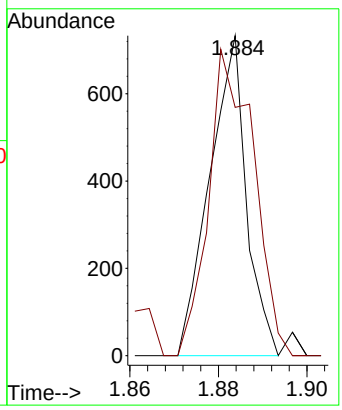


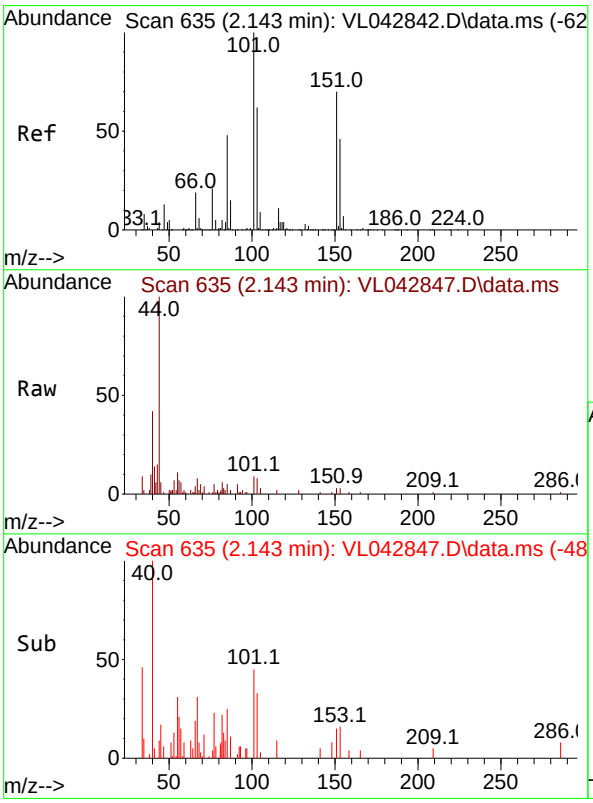
#11
Trichlorofluoromethane
Concen: 0.024 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 420

Ion	Ratio	Lower	Upper
101	100		
103	69.7	52.5	78.7

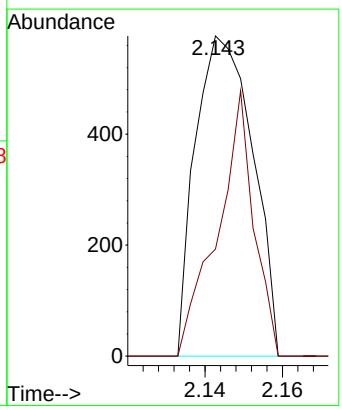


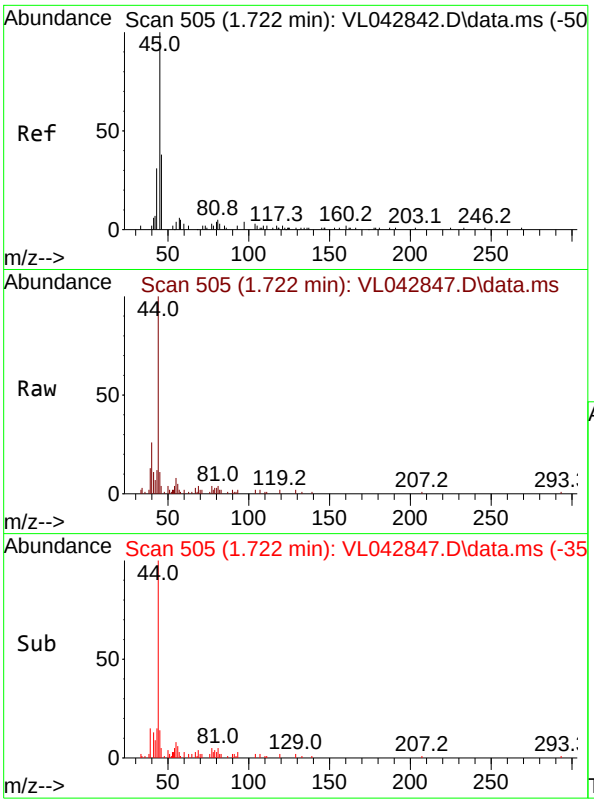


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.042 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:101 Resp: 592

Ion	Ratio	Lower	Upper
101	100		
151	52.5	56.4	84.6#



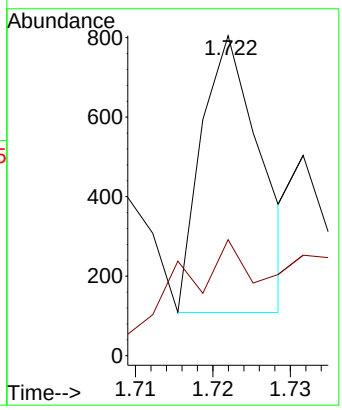


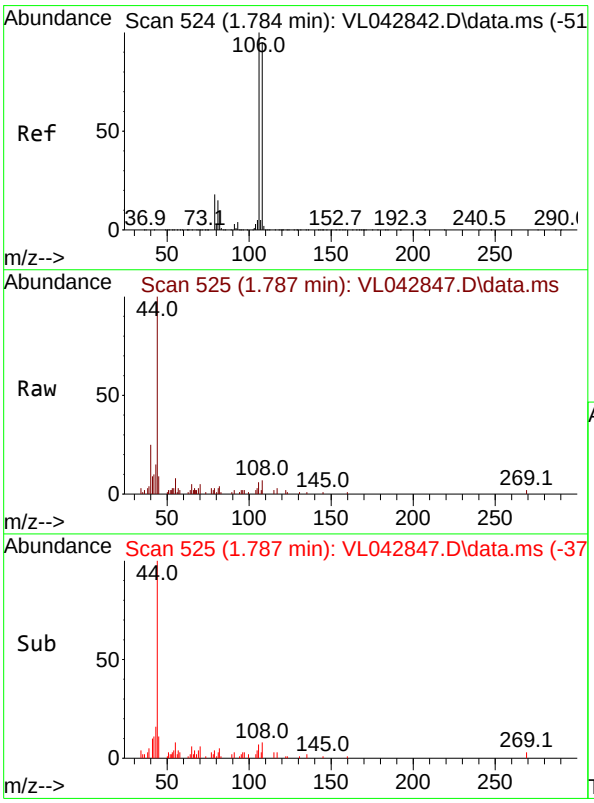
#13
Ethanol
Concen: 0.435 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 370

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.5	69.9#

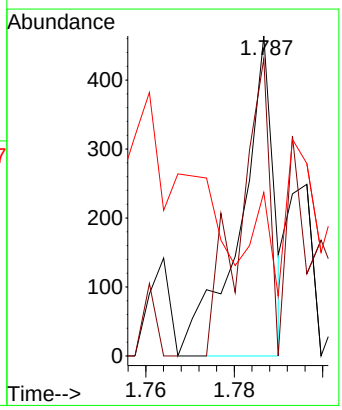


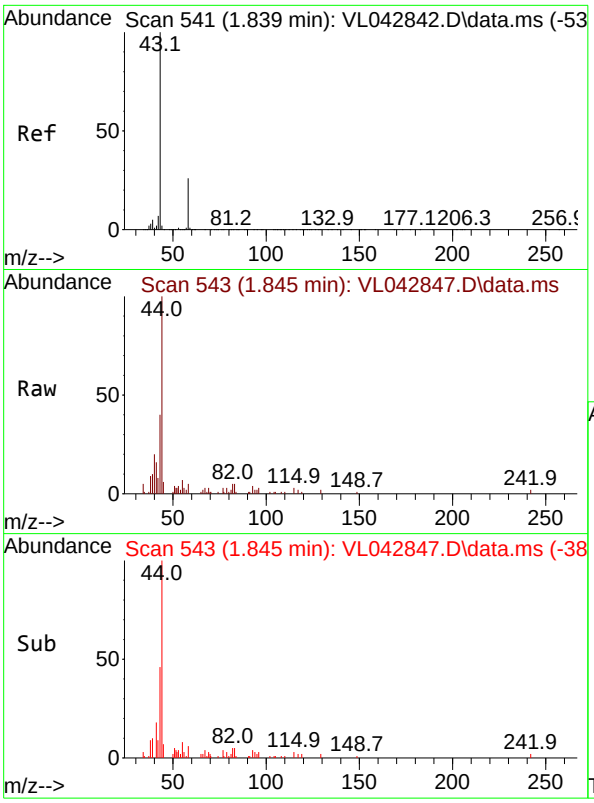


#14
Bromoethene
Concen: 0.047 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:108 Resp: 243

Ion	Ratio	Lower	Upper
108	100		
106	139.9	85.1	127.7#
79	0.0	16.3	24.5#



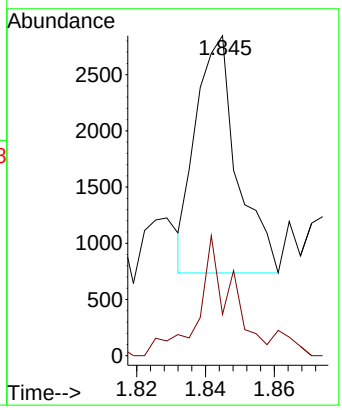


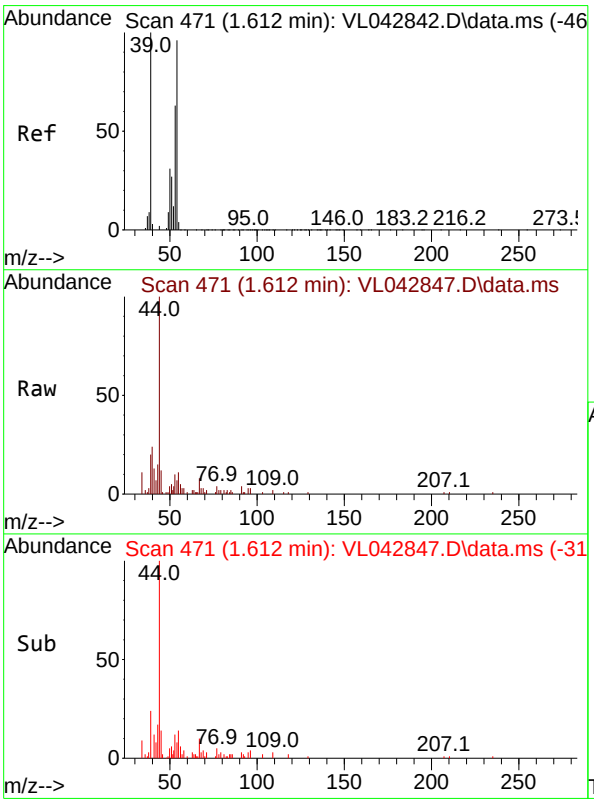
#15
Acetone
Concen: 0.108 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1759

Ion	Ratio	Lower	Upper
43	100		
58	57.4	22.4	33.6#

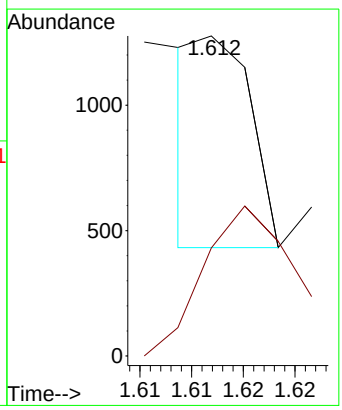


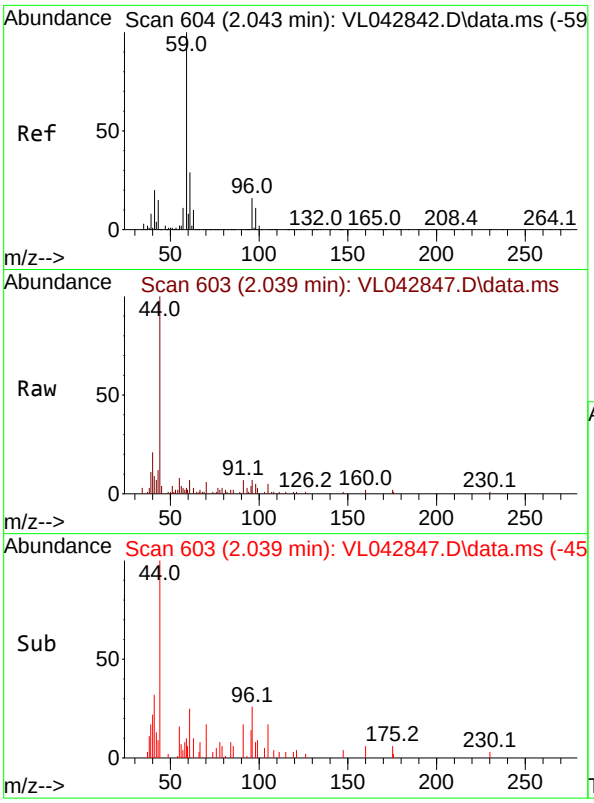


#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 39 Resp: 303

Ion	Ratio	Lower	Upper
39	100		
54	197.7	63.6	95.4#



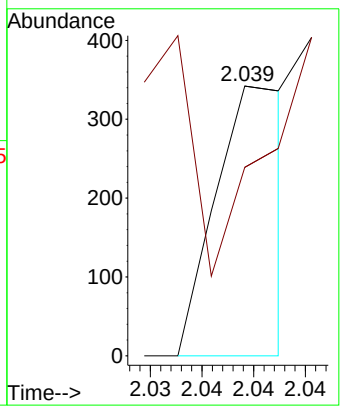


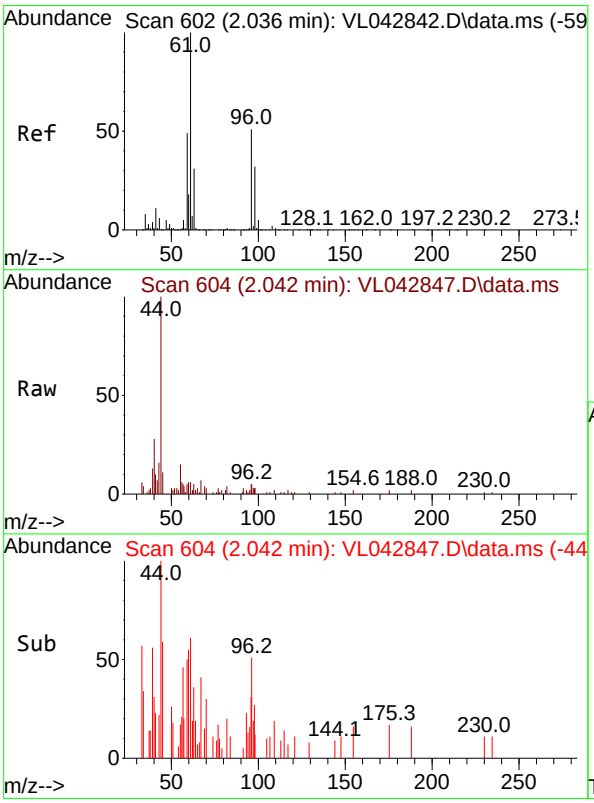
#17
tert-Butyl alcohol
Concen: 0.009 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 167

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

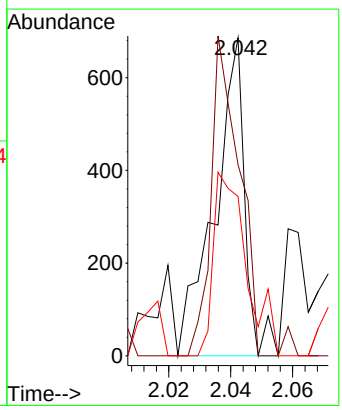


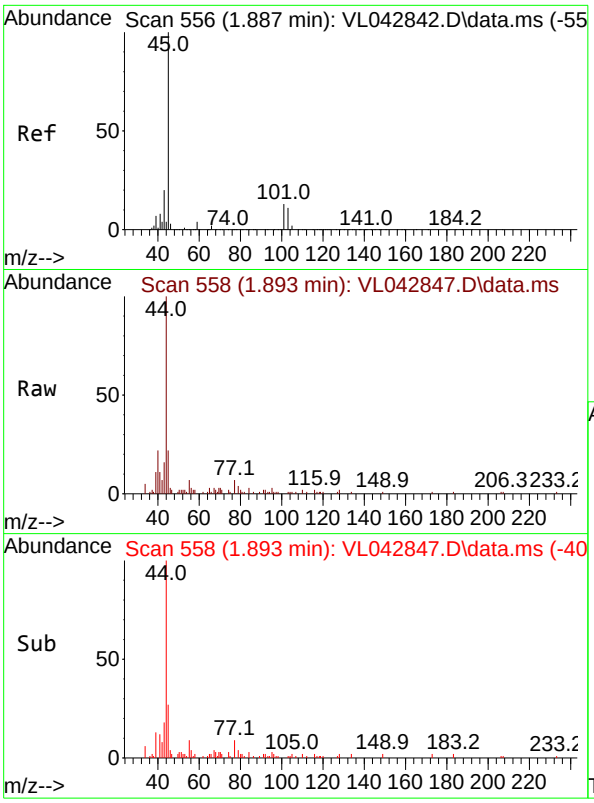


#18
1,1-Dichloroethene
Concen: 0.075 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 96 Resp: 464

Ion	Ratio	Lower	Upper
96	100		
61	60.1	158.2	237.4#
98	50.1	50.6	76.0#



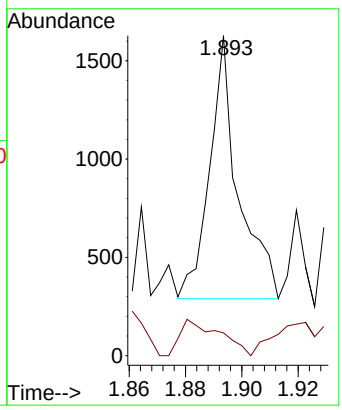


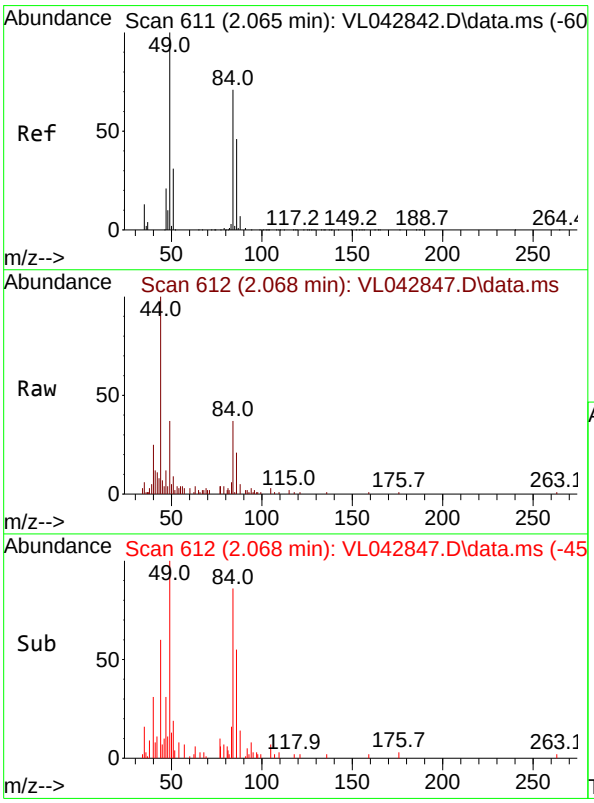
#19
Isopropyl Alcohol
Concen: 0.097 ppbv
RT: 1.893 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 945

Ion	Ratio	Lower	Upper
45	100		
58	18.9	32.7	49.1#

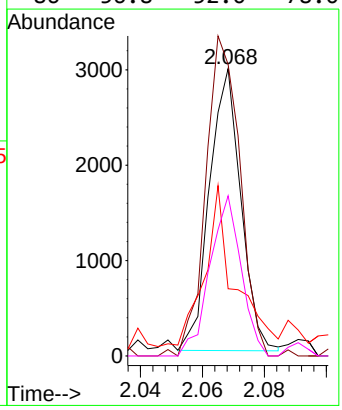


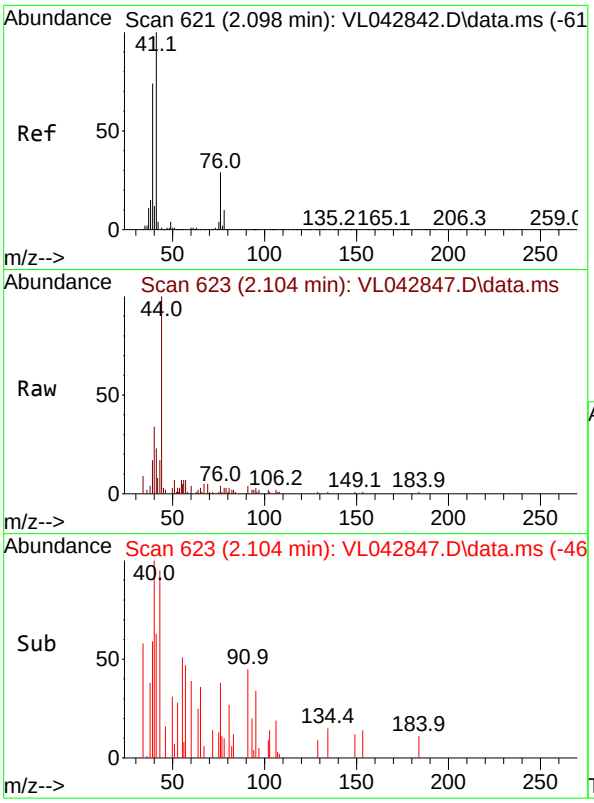


#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 84 Resp: 2076

Ion	Ratio	Lower	Upper
84	100		
49	103.5	112.3	168.5#
51	20.0	36.0	54.0#
86	56.8	52.0	78.0



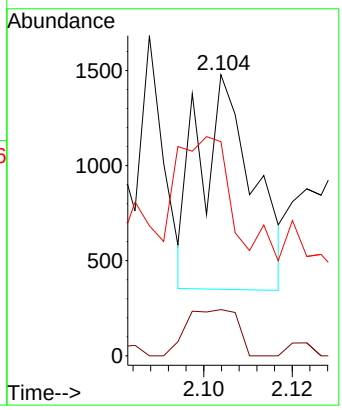


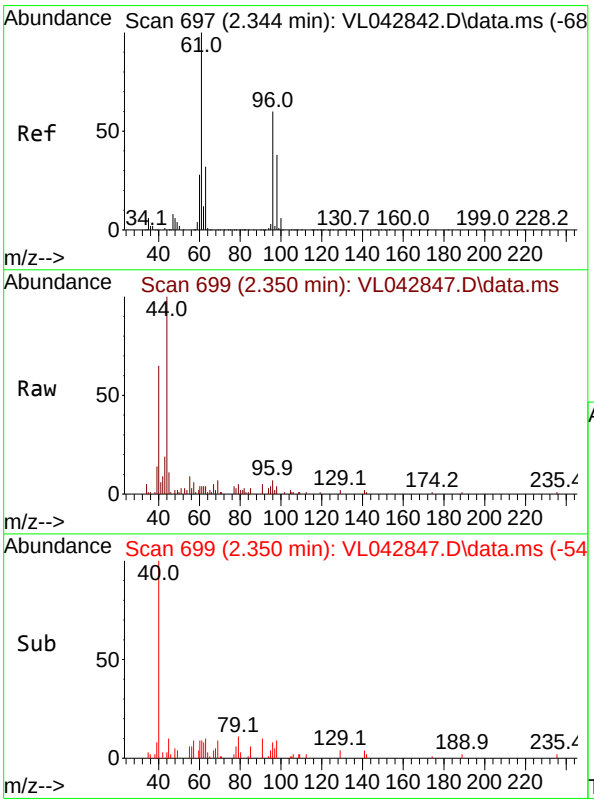
#21
Allyl Chloride
Concen: 0.083 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 953

Ion	Ratio	Lower	Upper
41	100		
76	26.5	23.9	35.9
39	129.5	57.8	86.6#

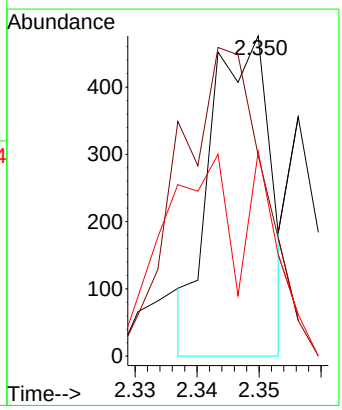


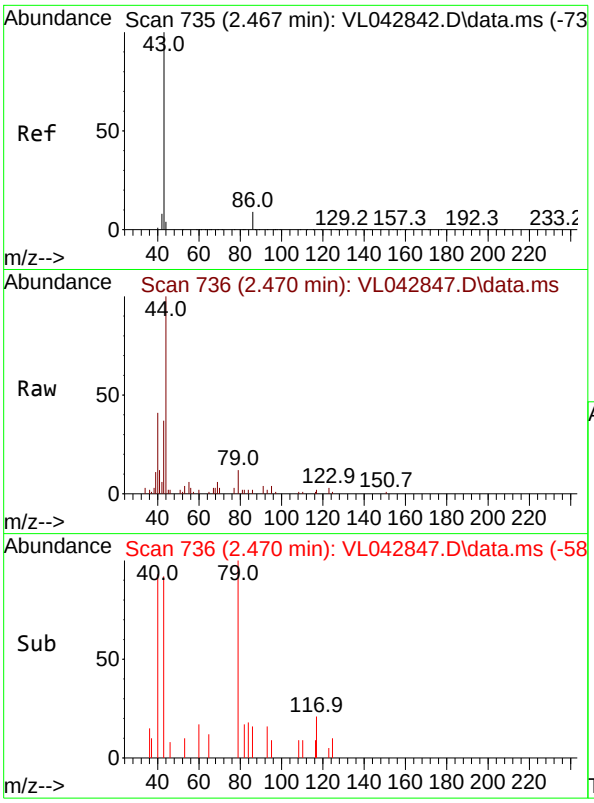


#22
trans-1,2-Dichloroethene
Concen: 0.046 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 96 Resp: 317

Ion	Ratio	Lower	Upper
96	100		
61	32.5	132.6	199.0#
98	40.8	50.0	75.0#



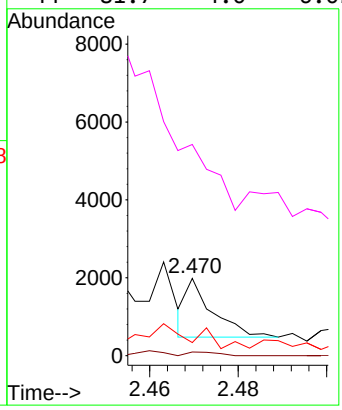


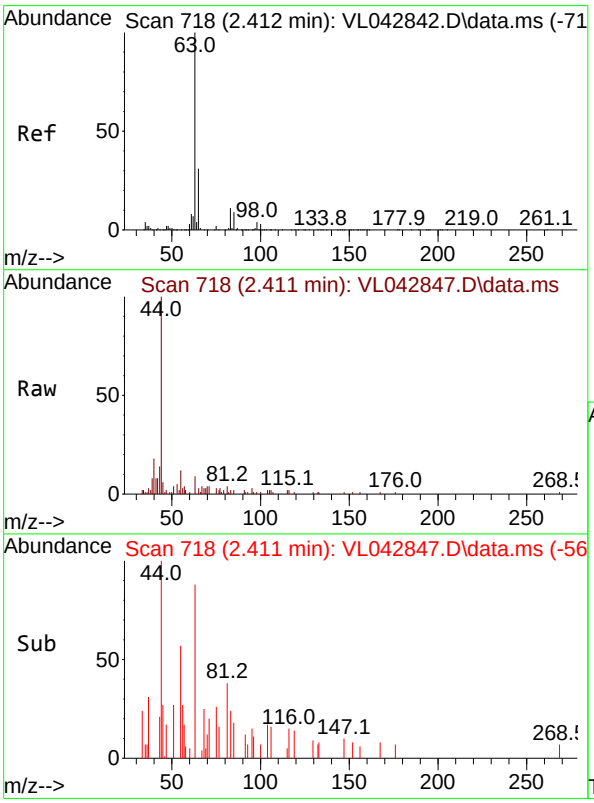
#23
Vinyl Acetate
Concen: 0.029 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 629

Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.6	9.8#
42	0.0	7.0	10.6#
44	81.7	4.0	6.0#

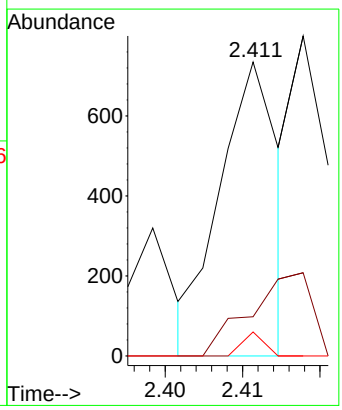


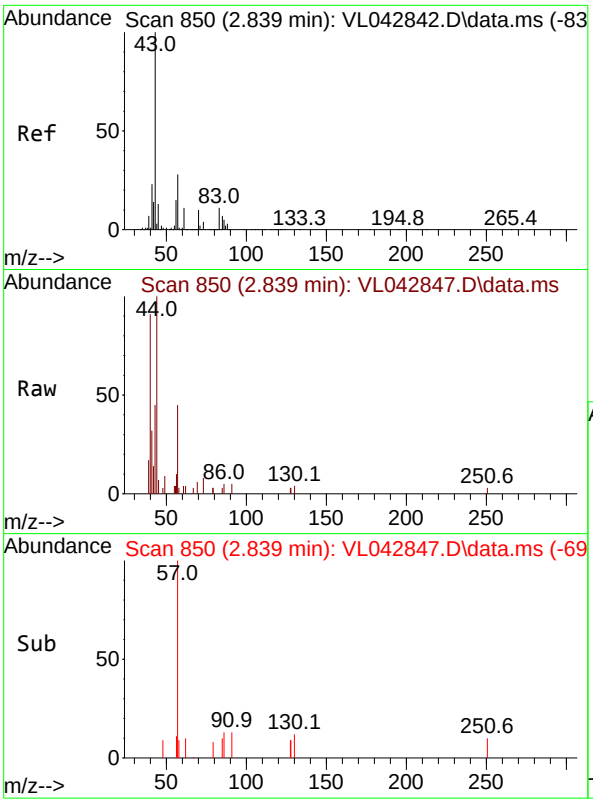


#24
1,1-Dichloroethane
Concen: 0.027 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 63 Resp: 388

Ion	Ratio	Lower	Upper
63	100		
98	16.4	2.1	6.5#
100	10.0	1.7	5.1#



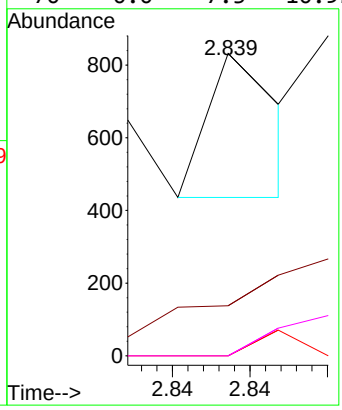


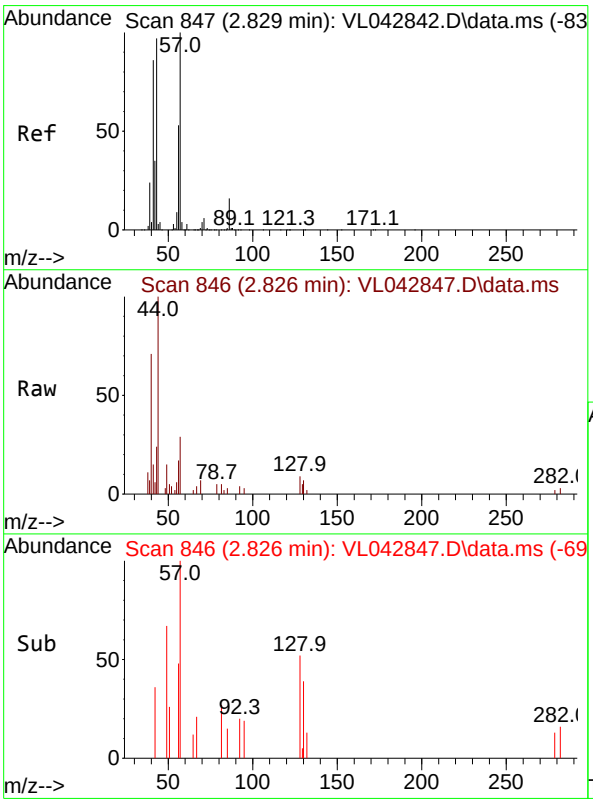
#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 126

Ion	Ratio	Lower	Upper
43	100		
45	268.3	8.1	12.1#
61	0.0	7.4	11.2#
70	0.0	7.3	10.9#

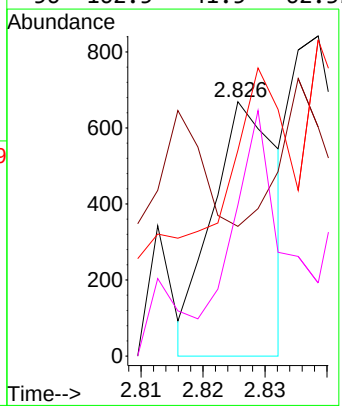


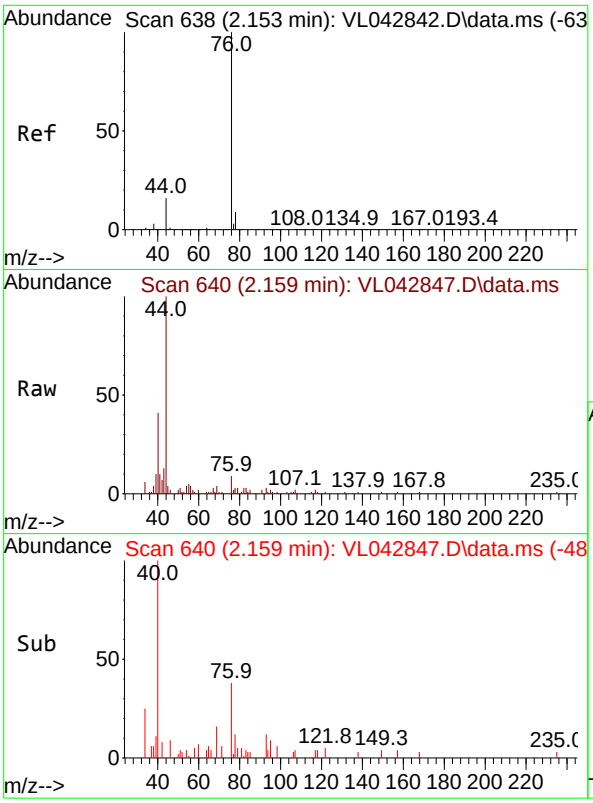


#26
Hexane
Concen: 0.027 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 57 Resp: 483

Ion	Ratio	Lower	Upper
57	100		
41	0.0	68.6	103.0#
43	0.0	168.5	252.7#
56	162.5	41.5	62.3#



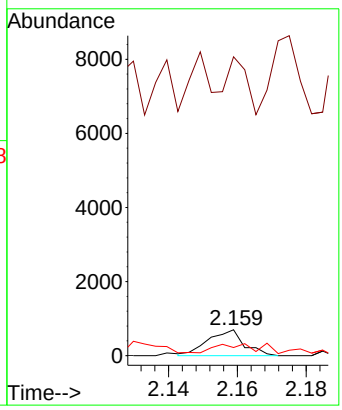


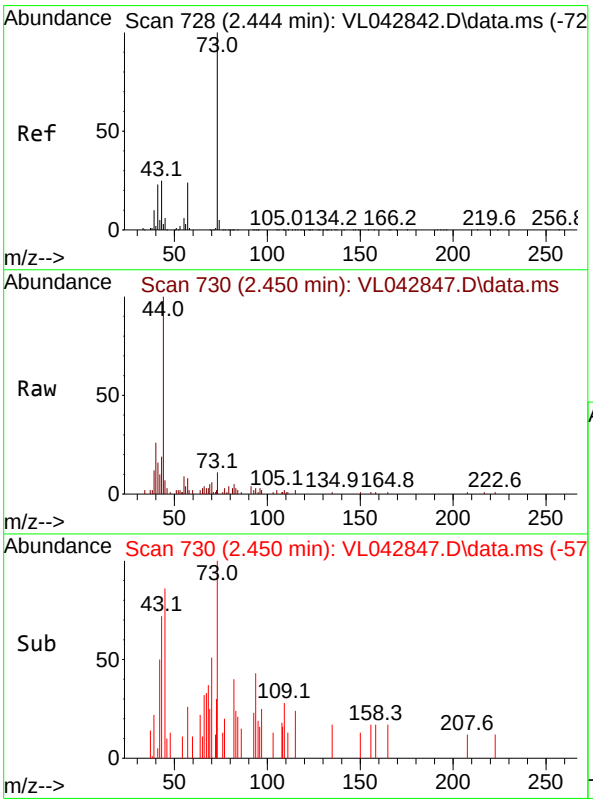
#27
Carbon Disulfide
Concen: 0.029 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 509

Ion	Ratio	Lower	Upper
76	100		
44	2370.7	15.9	23.9#
78	81.3	9.5	14.3#

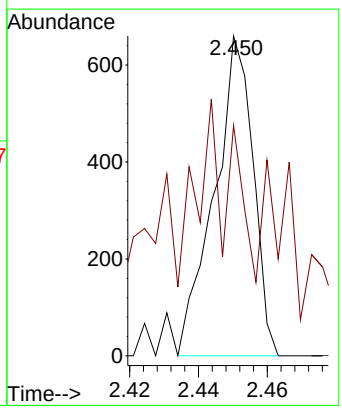


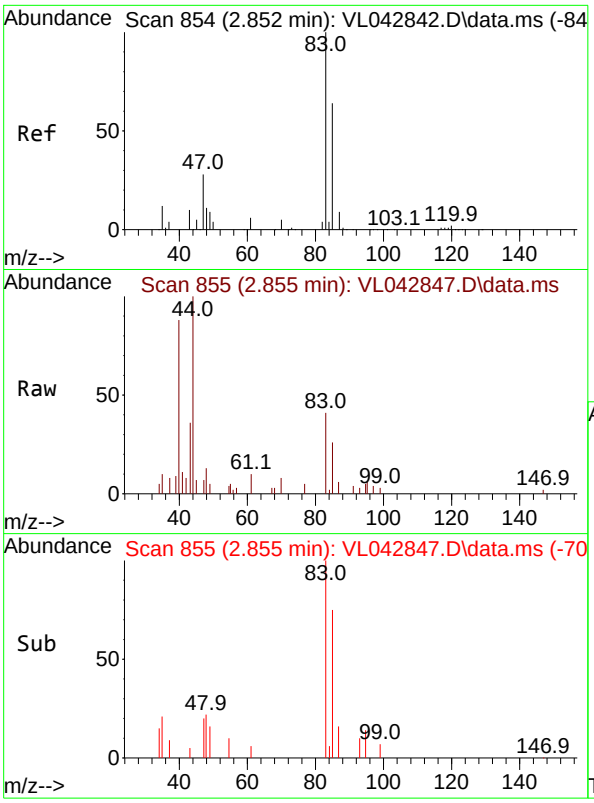


#28
Methyl tert-Butyl Ether
Concen: 0.056 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 73 Resp: 517

Ion	Ratio	Lower	Upper
73	100		
57	159.0	21.6	32.4#



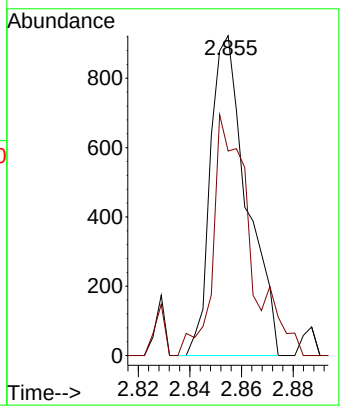


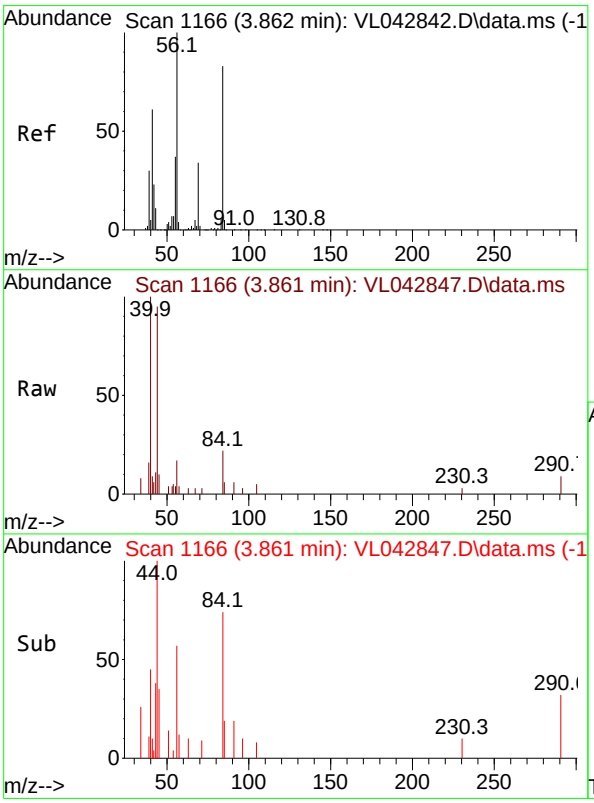
#29
Chloroform
Concen: 0.035 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 902

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7

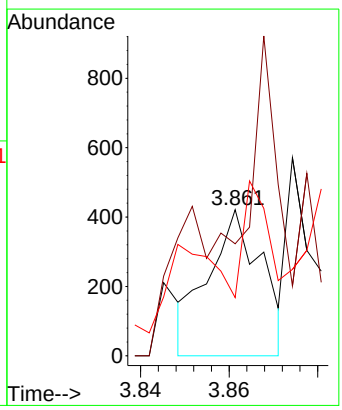


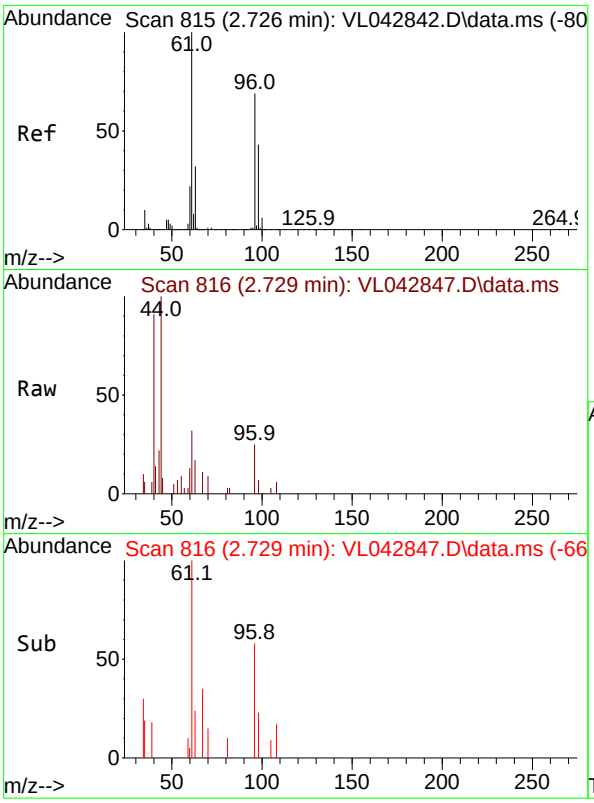


#30
Cyclohexane
Concen: 0.022 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 84 Resp: 352

Ion	Ratio	Lower	Upper
84	100		
56	309.9	98.8	148.2#
41	239.8	61.3	91.9#



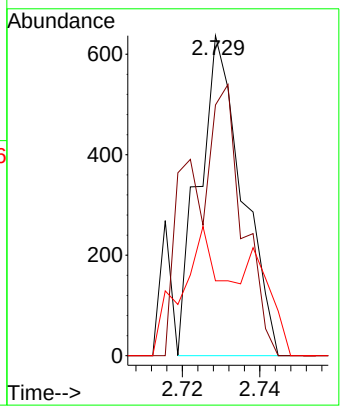


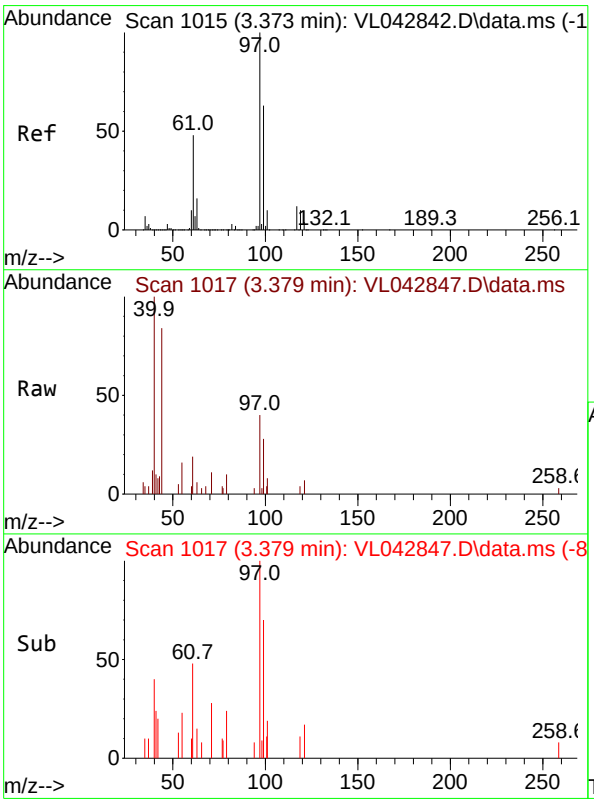
#31
cis-1,2-Dichloroethene
Concen: 0.027 ppbv
RT: 2.729 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 497

Ion	Ratio	Lower	Upper
61	100		
96	78.3	55.0	82.6
98	9.4	34.3	51.5#

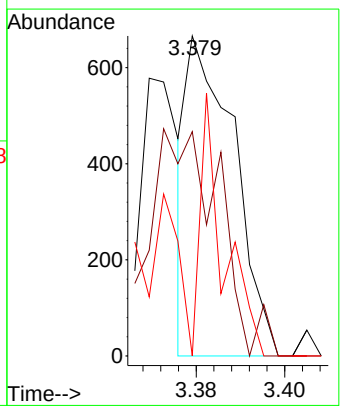


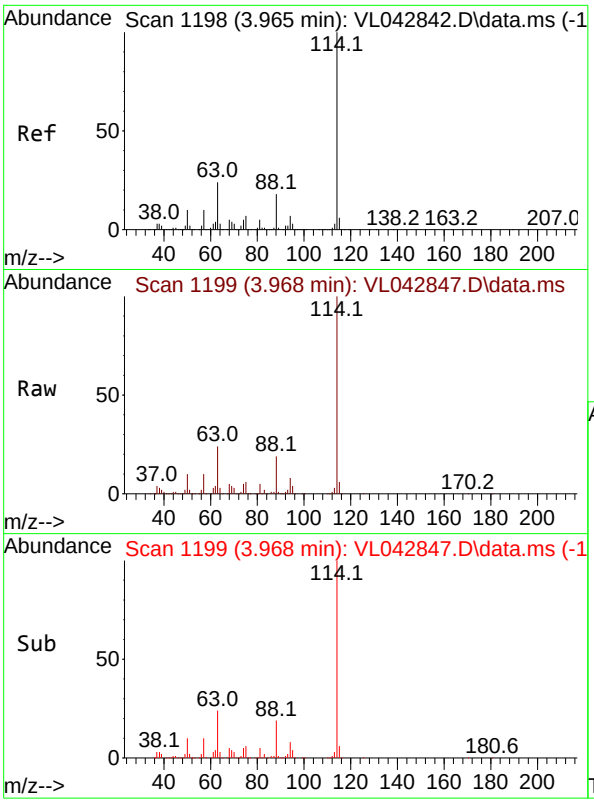


#32
1,1,1-Trichloroethane
Concen: 0.018 ppbv
RT: 3.379 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 97 Resp: 493

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	82.6	38.0	57.0#



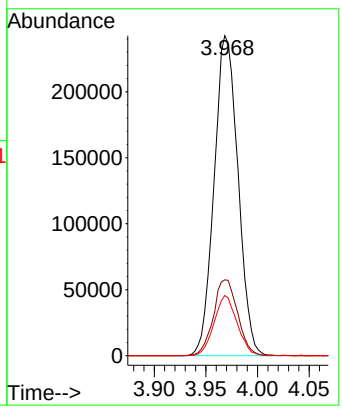


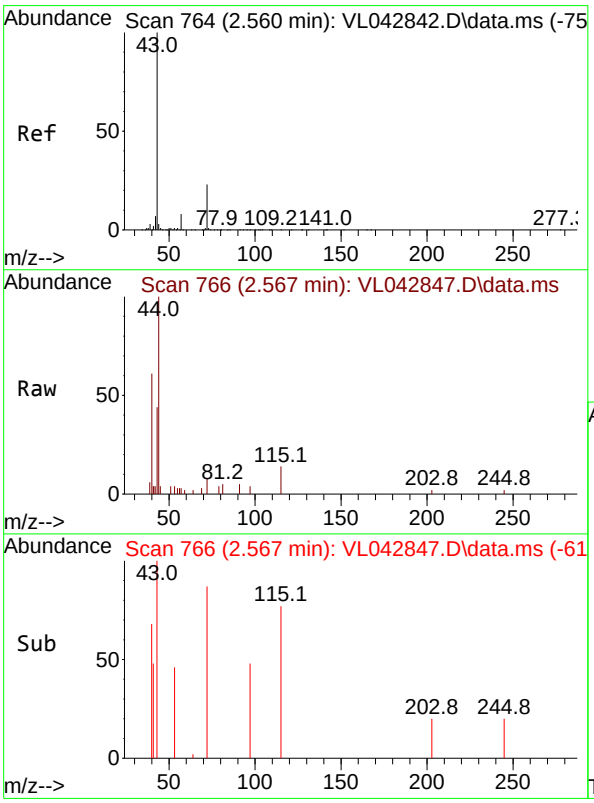
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 390076

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.7	29.5
88	18.1	14.4	21.6

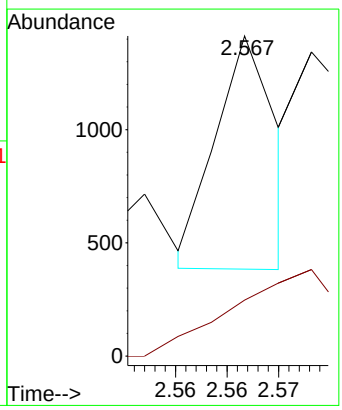


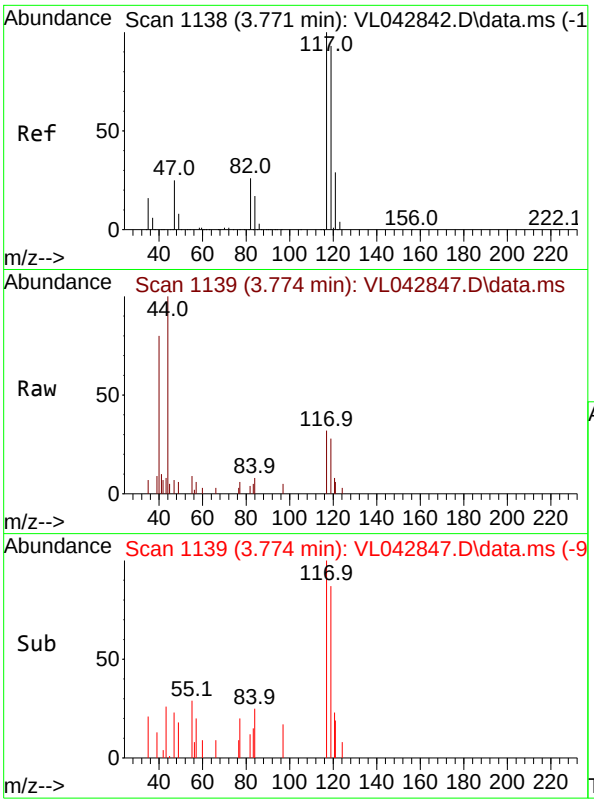


#34
2-Butanone
Concen: 0.016 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 43 Resp: 422

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	28.0#



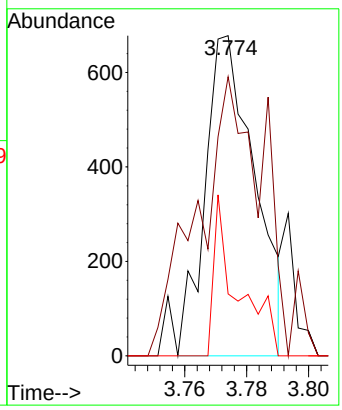


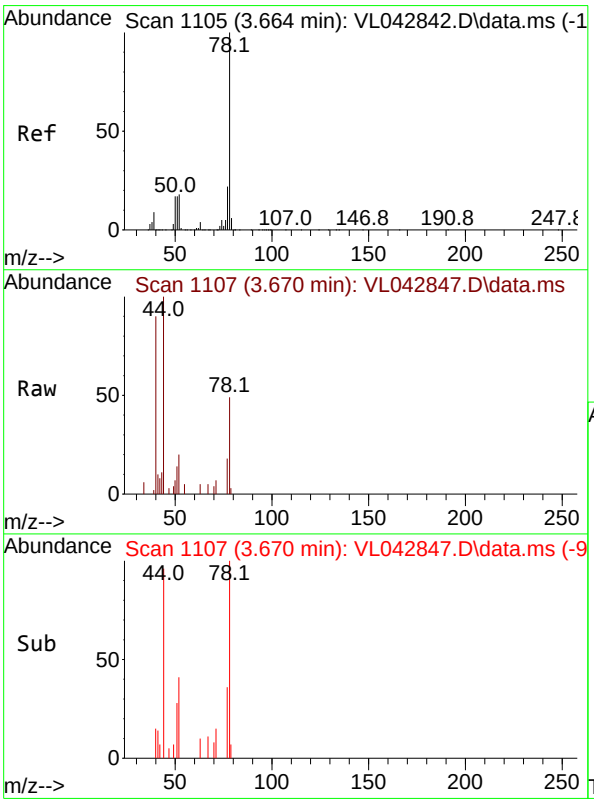
#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 3.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 756

Ion	Ratio	Lower	Upper
117	100		
119	59.0	74.7	112.1#
121	19.3	23.2	34.8#

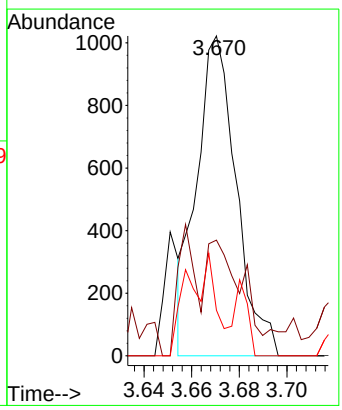


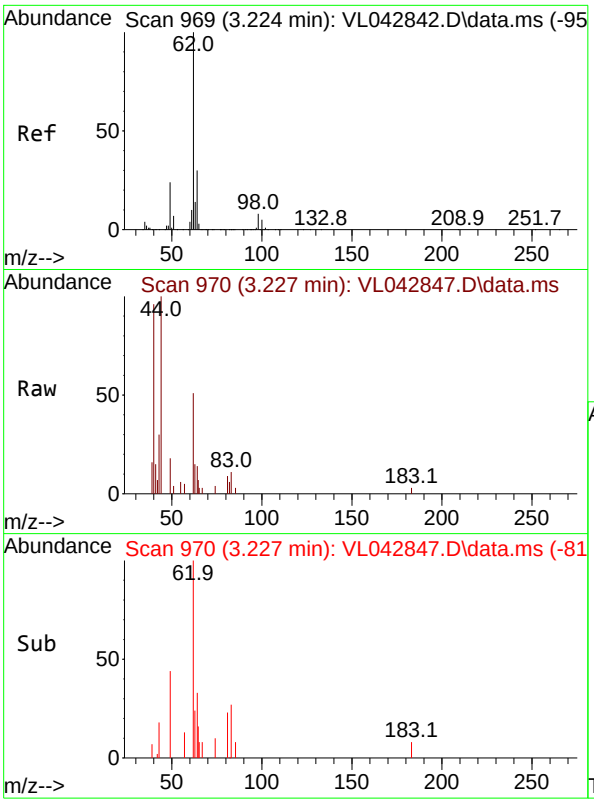


#36
Benzene
Concen: 0.032 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 78 Resp: 1185

Ion	Ratio	Lower	Upper
78	100		
77	26.8	17.7	26.5#
50	13.4	13.9	20.9#



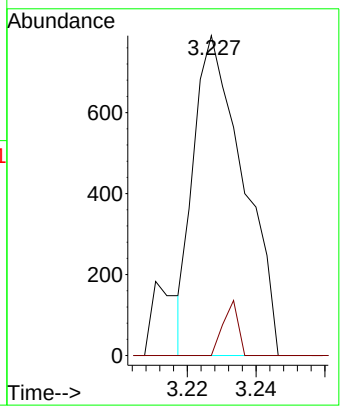


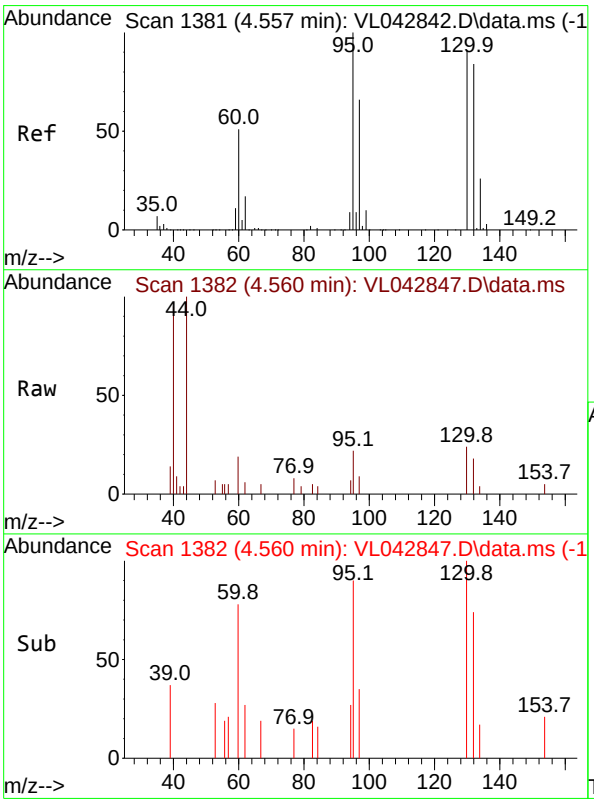
#37
1,2-Dichloroethane
Concen: 0.041 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 792

Ion	Ratio	Lower	Upper
62	100		
98	5.2	5.9	8.9#

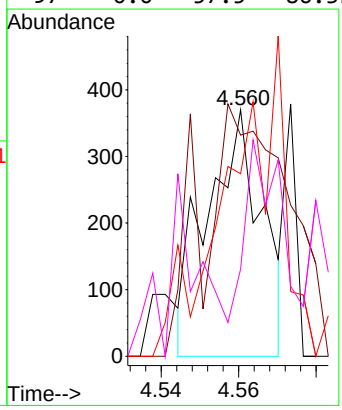


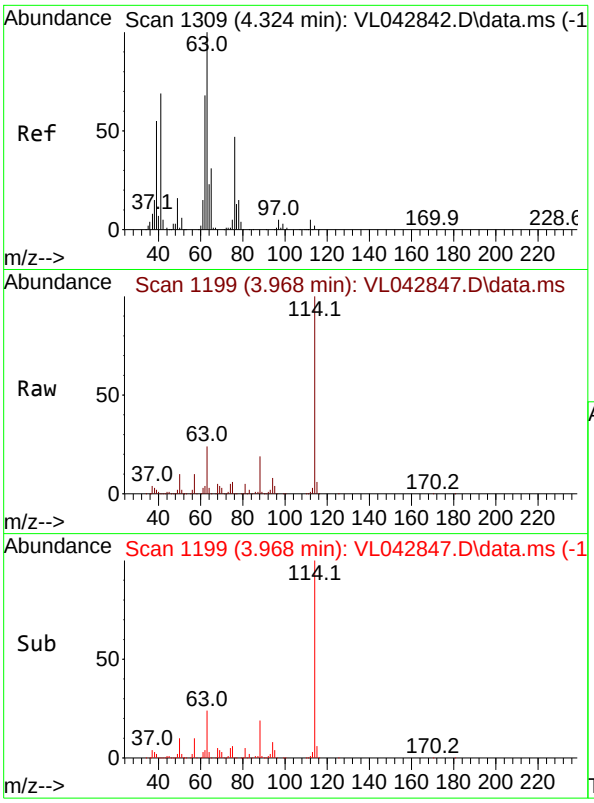


#38
Trichloroethene
Concen: 0.021 ppbv
RT: 4.560 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:130 Resp: 363

Ion	Ratio	Lower	Upper
130	100		
95	77.9	87.6	131.4#
132	35.9	73.8	110.8#
97	0.0	57.5	86.3#



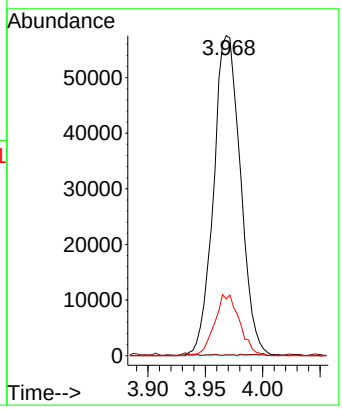


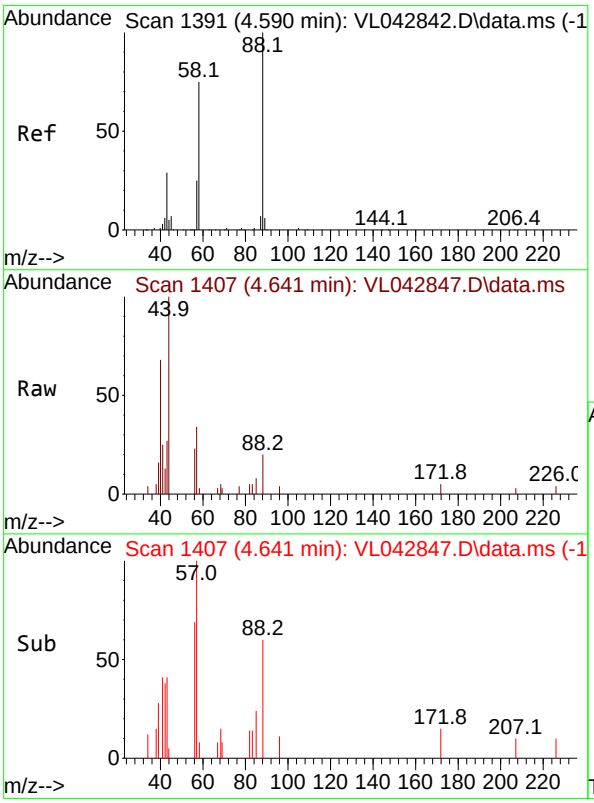
#39
1,2-Dichloropropane
Concen: 6.881 ppbv
RT: 3.968 min Scan# 11
Delta R.T. -0.356 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 93873

Ion	Ratio	Lower	Upper
63	100		
41	0.2	55.0	82.4#
62	17.7	54.4	81.6#

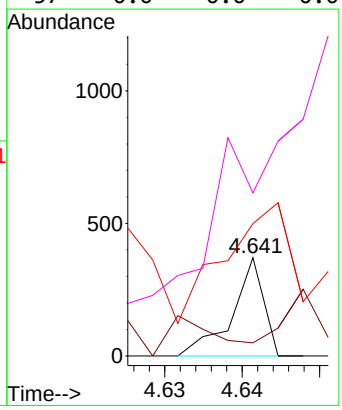


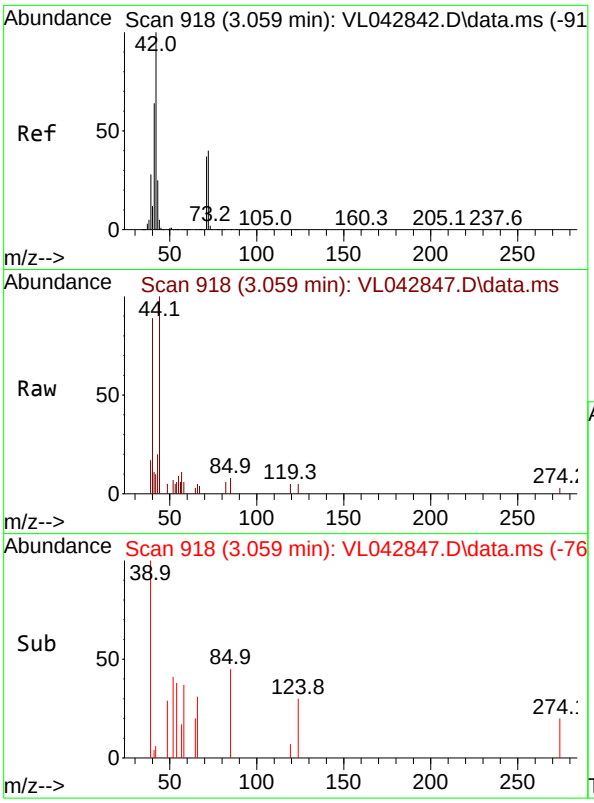


#40
1,4-Dioxane
Concen: 0.016 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.052 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 88 Resp: 105

Ion	Ratio	Lower	Upper
88	100		
58	239.0	53.8	80.6#
43	781.0	22.8	34.2#
57	0.0	0.0	0.0



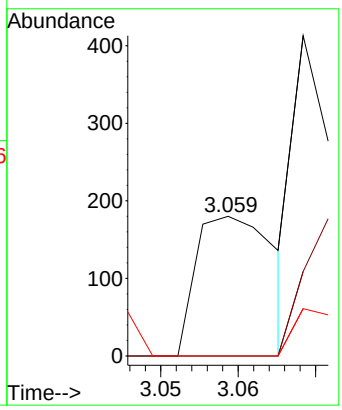


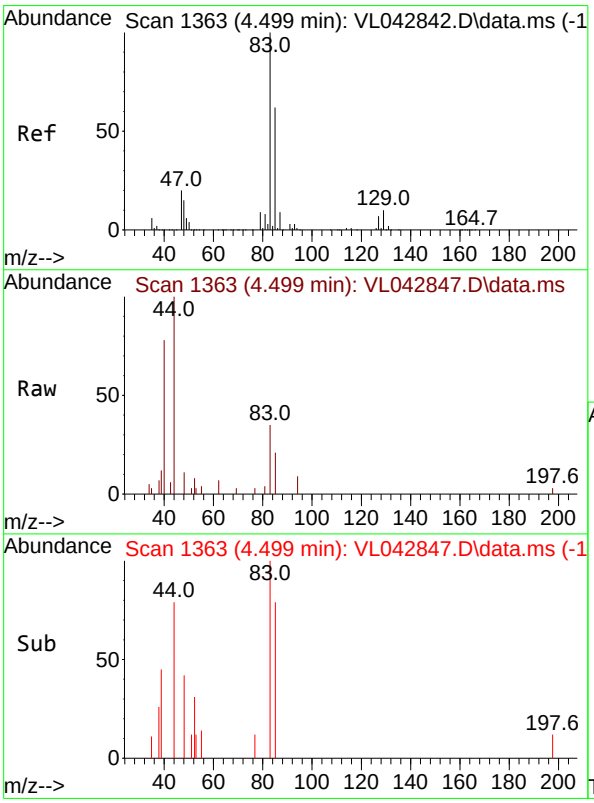
#41
Tetrahydrofuran
Concen: 0.009 ppbv
RT: 3.059 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 127

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.6	48.8#
71	0.0	30.0	45.0#

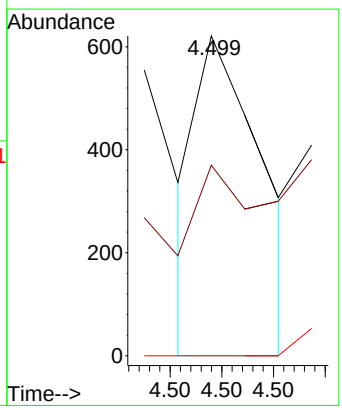


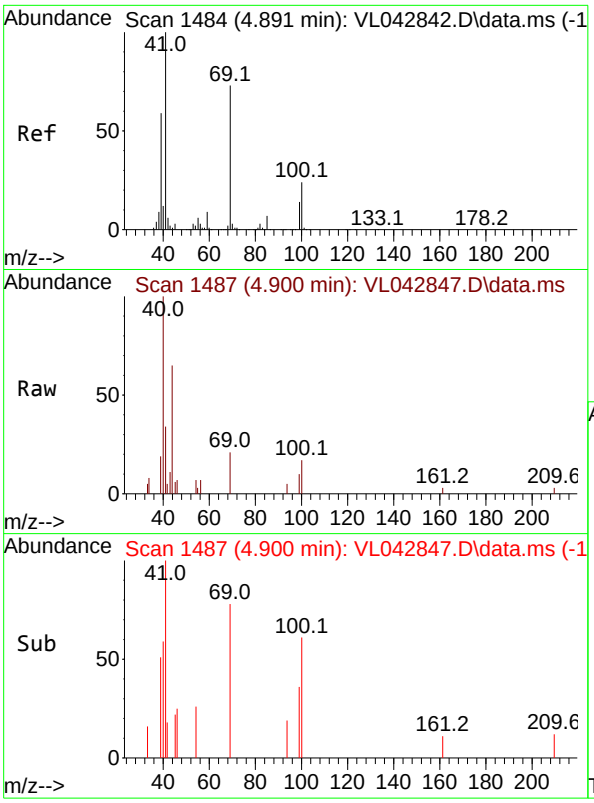


#42
Bromodichloromethane
Concen: 0.009 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 83 Resp: 271

Ion	Ratio	Lower	Upper
83	100		
85	56.1	49.8	74.8
127	0.0	5.8	8.6#



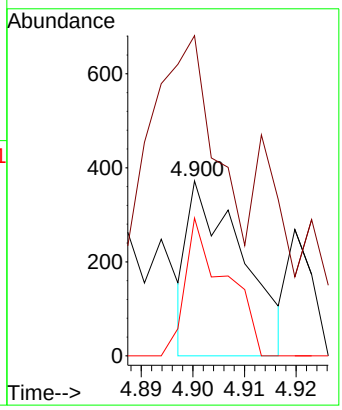


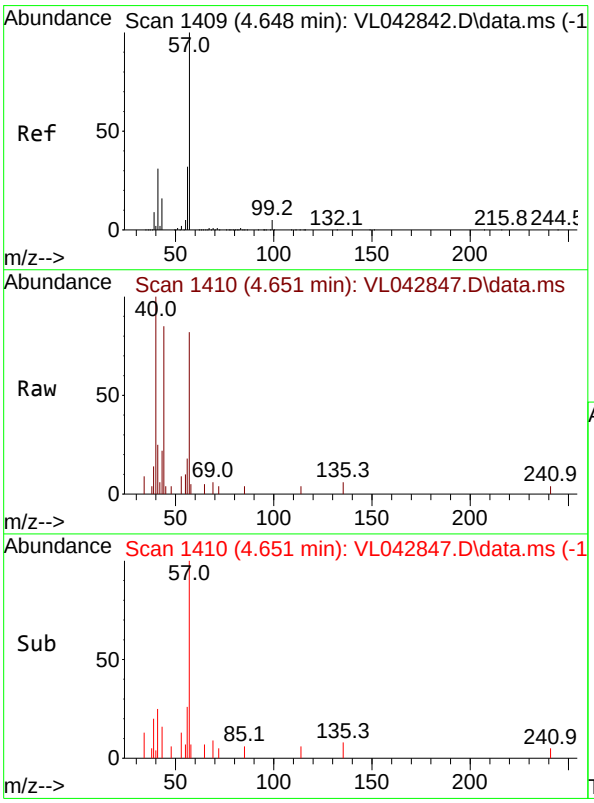
#43
Methyl Methacrylate
Concen: 0.018 ppbv
RT: 4.900 min Scan# 14
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 69 Resp: 270

Ion	Ratio	Lower	Upper
69	100		
41	466.3	114.6	172.0#
100	59.6	30.2	45.4#

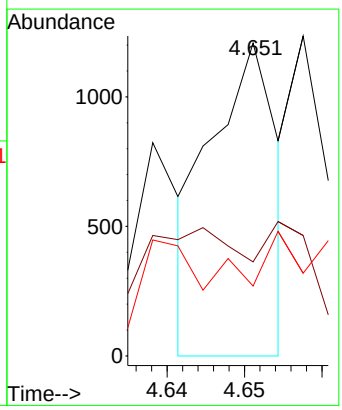


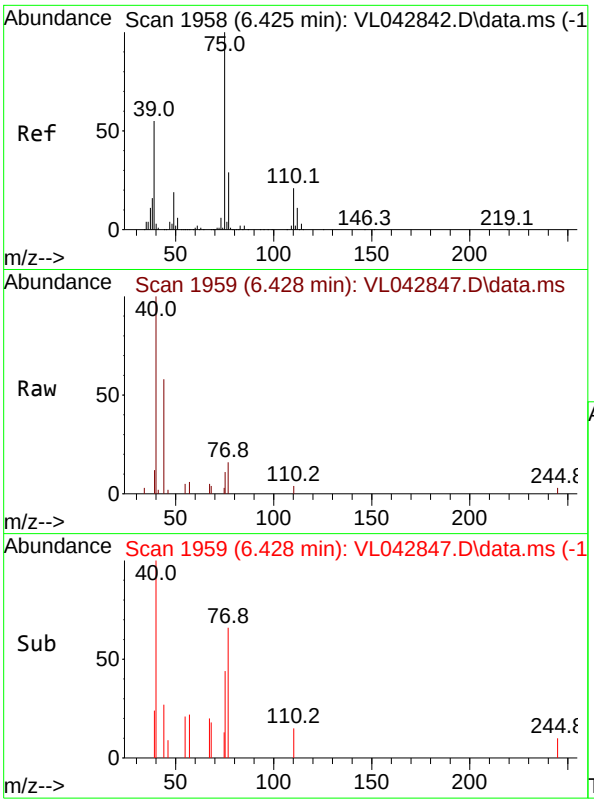


#44
2,2,4-Trimethylpentane
Concen: 0.012 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 57 Resp: 726

Ion	Ratio	Lower	Upper
57	100		
41	0.0	24.8	37.2#
56	0.0	25.5	38.3#



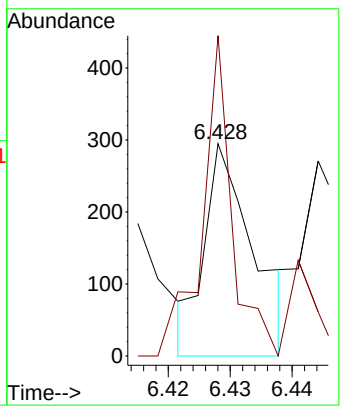


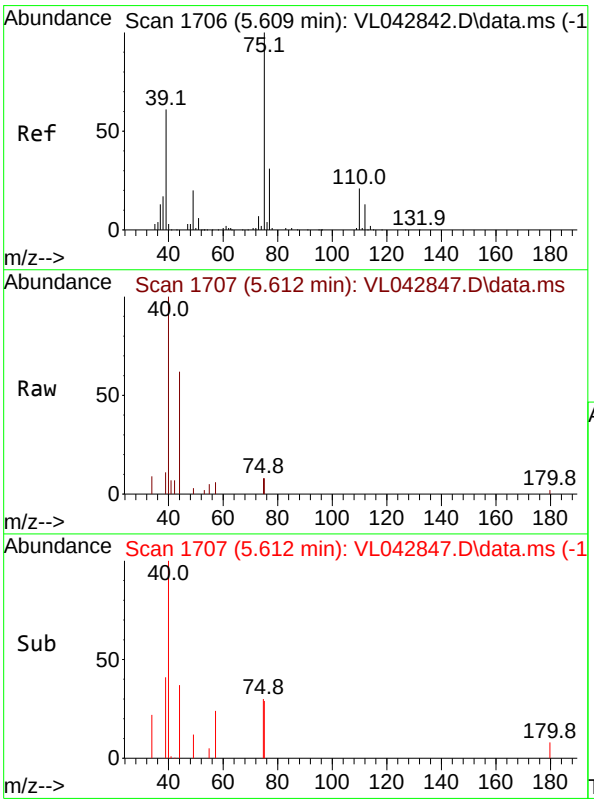
#45
t-1,3-Dichloropropene
Concen: 0.009 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 162

Ion	Ratio	Lower	Upper
75	100		
77	150.8	23.8	35.6#

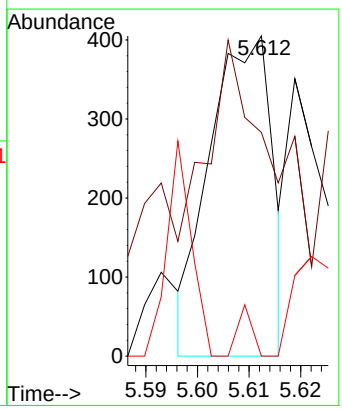


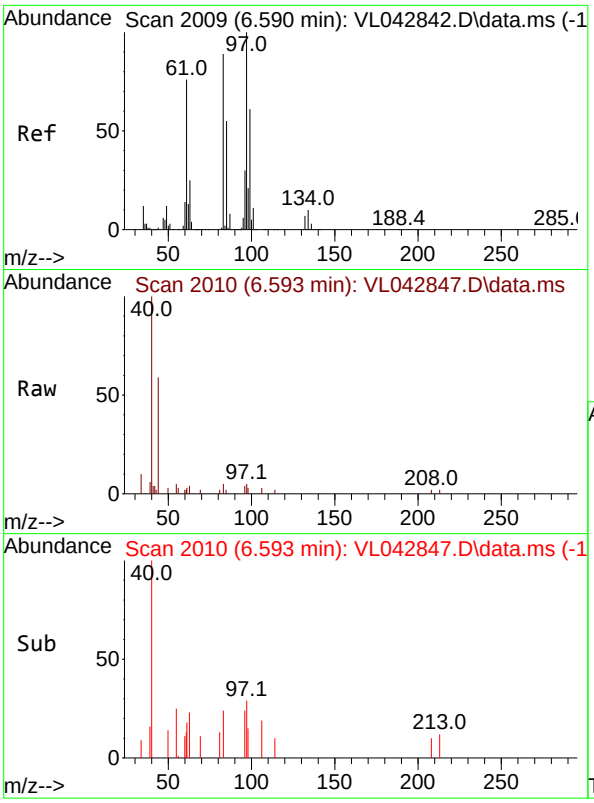


#46
cis-1,3-Dichloropropene
Concen: 0.016 ppbv
RT: 5.612 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 75 Resp: 343

Ion	Ratio	Lower	Upper
75	100		
39	42.7	48.9	73.3#
77	0.0	24.9	37.3#



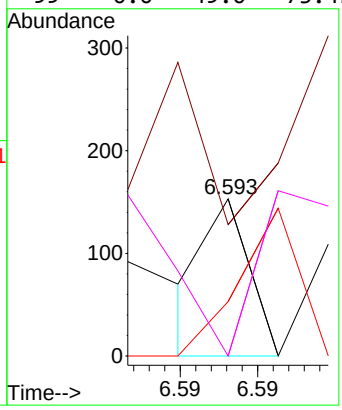


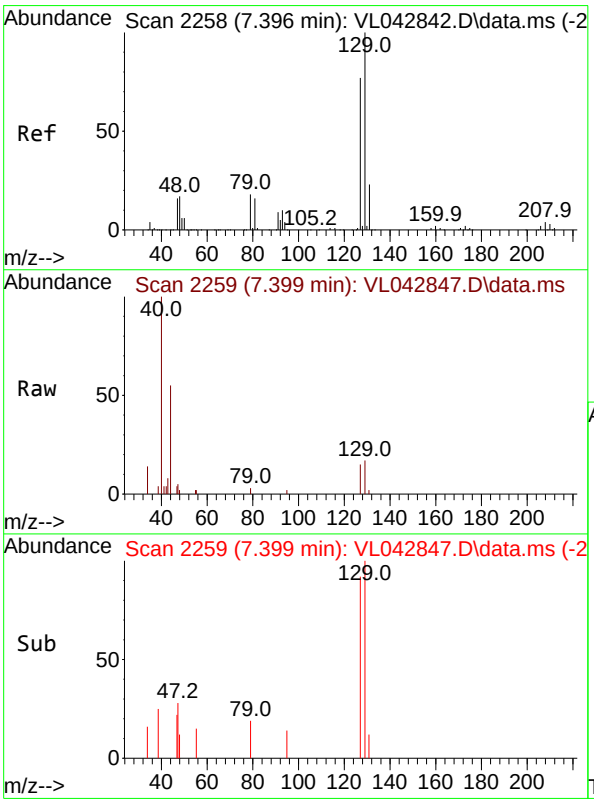
#47
1,1,2-Trichloroethane
Concen: 0.002 ppbv
RT: 6.593 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 30

Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.0	106.4#
85	34.6	43.6	65.4#
99	0.0	49.0	73.4#

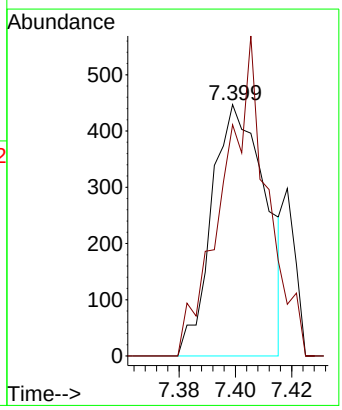


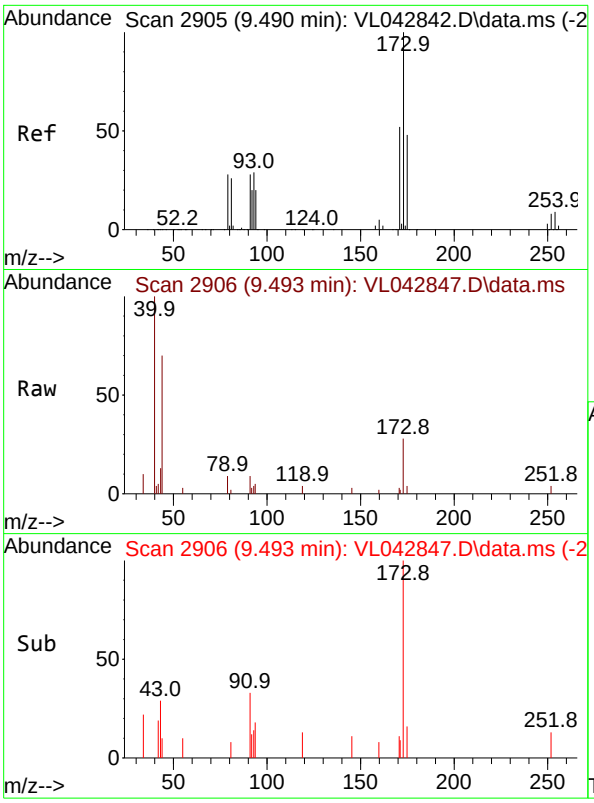


#48
Dibromochloromethane
Concen: 0.025 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:129 Resp: 593

Ion	Ratio	Lower	Upper
129	100		
127	104.0	39.4	118.2



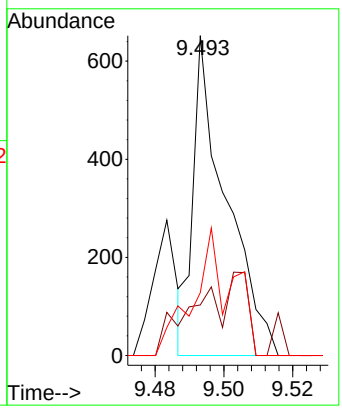


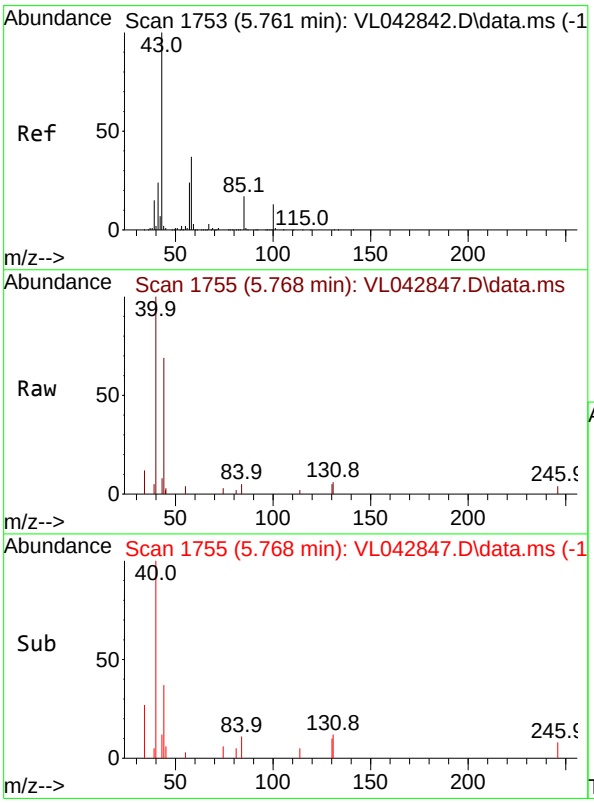
#49
Bromoform
Concen: 0.022 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 431

Ion	Ratio	Lower	Upper
173	100		
175	43.9	39.2	58.8
171	46.9	41.3	61.9

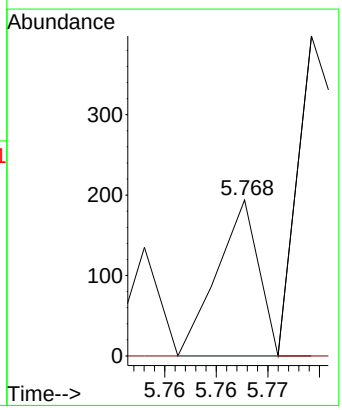


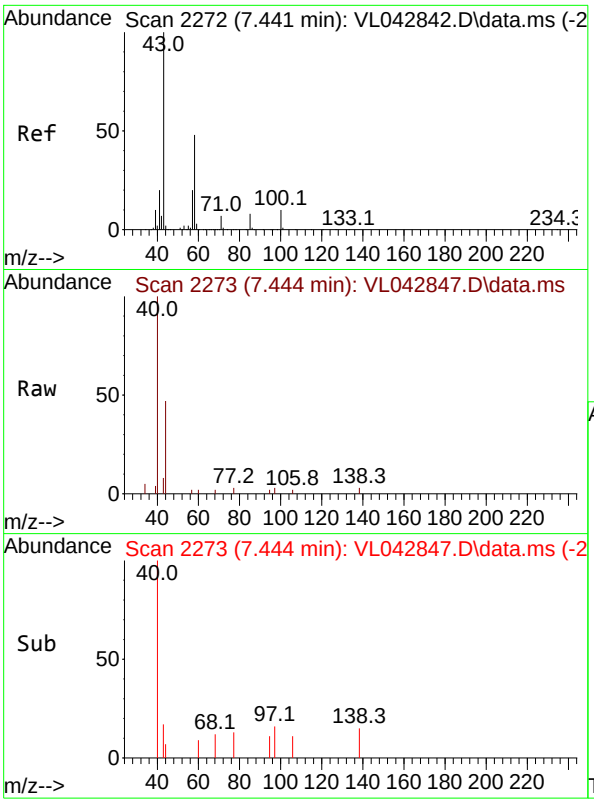


#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 43 Resp: 54

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.8#



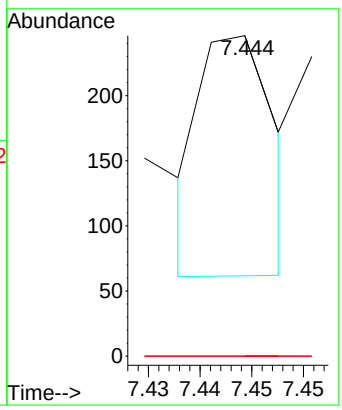


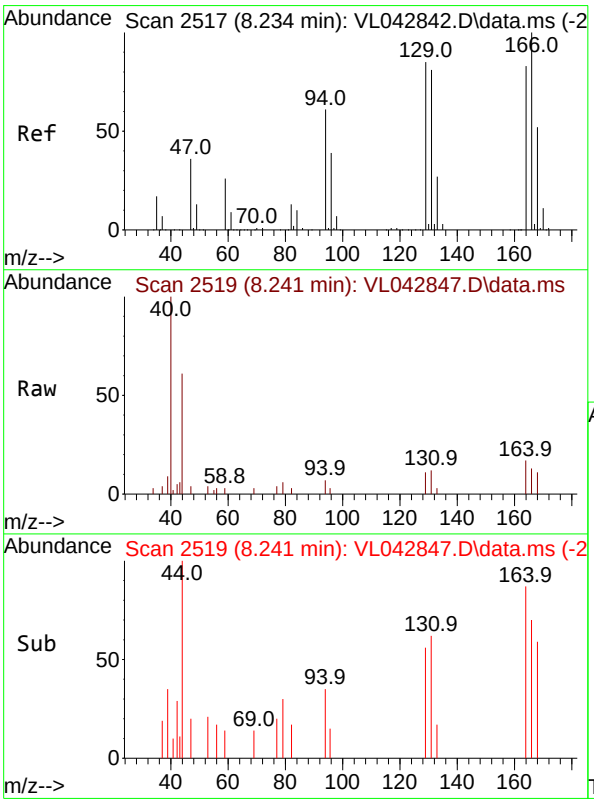
#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.444 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 92

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.6#
98	0.0	0.1	0.1#

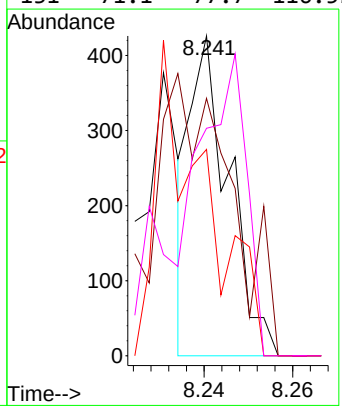


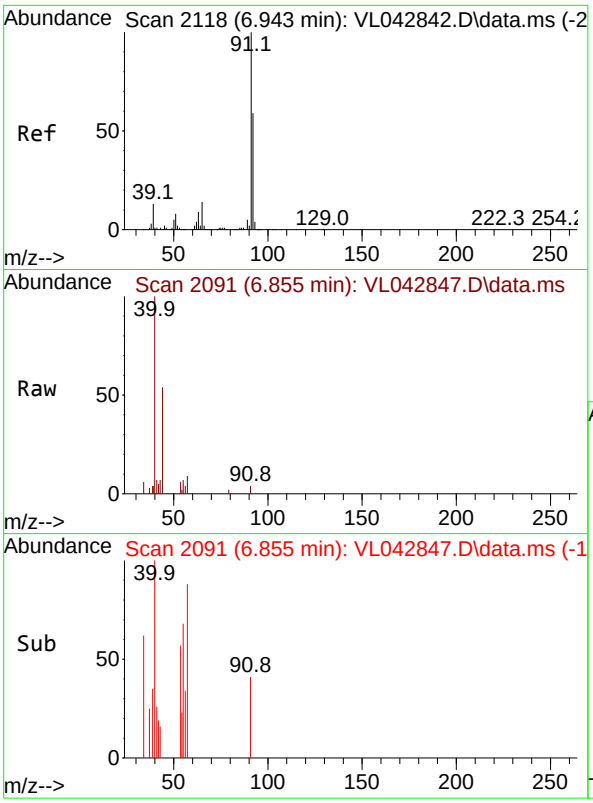


#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:164 Resp: 262

Ion	Ratio	Lower	Upper
164	100		
166	80.5	96.5	144.7#
129	64.6	81.8	122.6#
131	71.1	77.7	116.5#



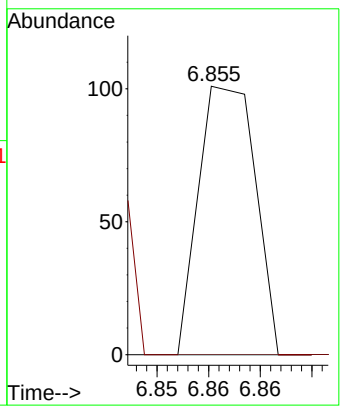


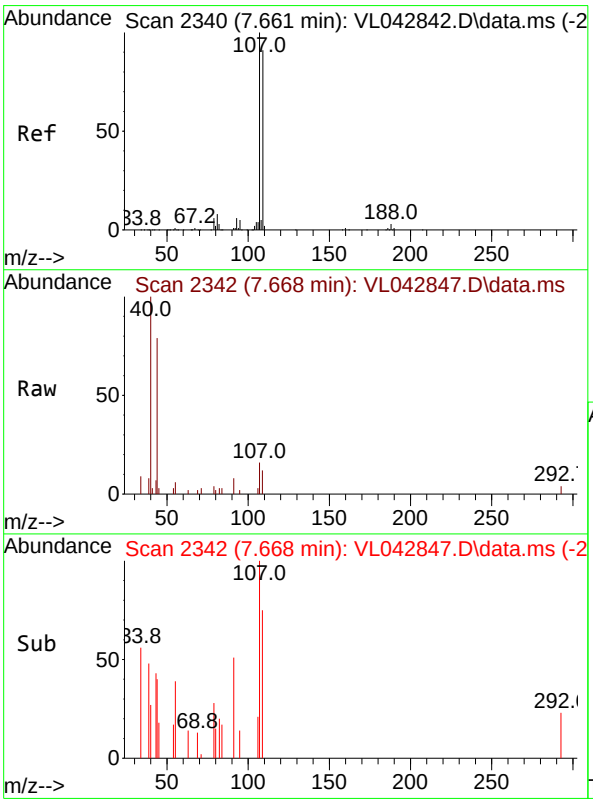
#53
Toluene
Concen: 0.001 ppbv
RT: 6.855 min Scan# 2
Delta R.T. -0.088 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 39

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.8	71.6

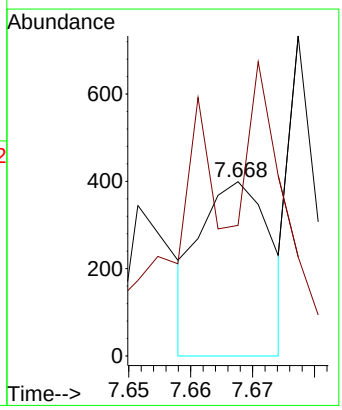


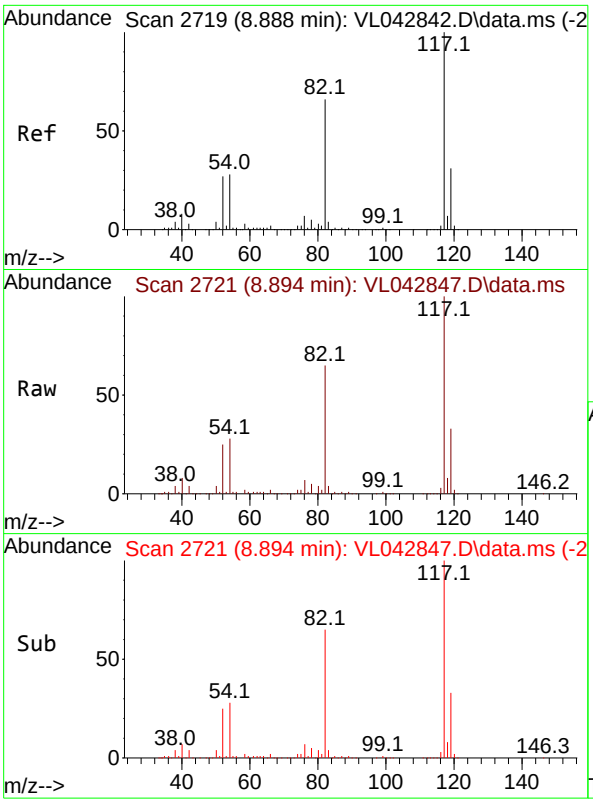


#54
1,2-Dibromoethane
Concen: 0.015 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:107 Resp: 313

Ion	Ratio	Lower	Upper
107	100		
109	48.9	72.5	108.7#



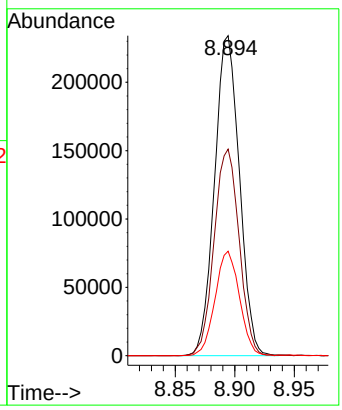


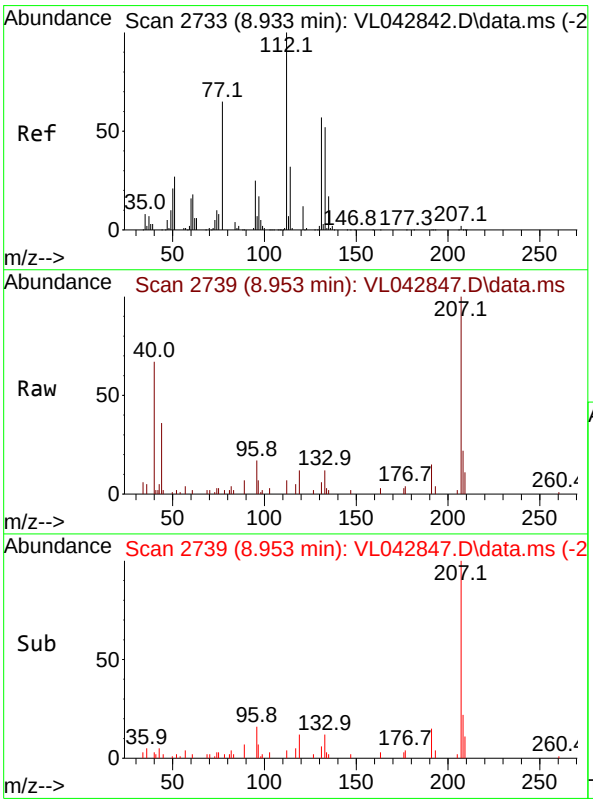
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 339700

Ion	Ratio	Lower	Upper
117	100		
82	65.1	54.6	81.8
119	32.2	25.9	38.9

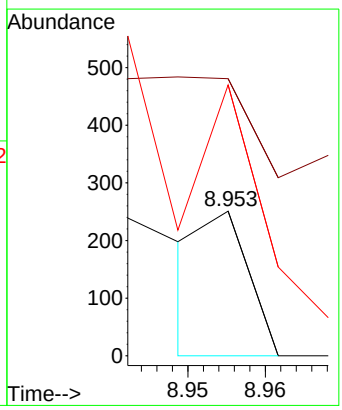


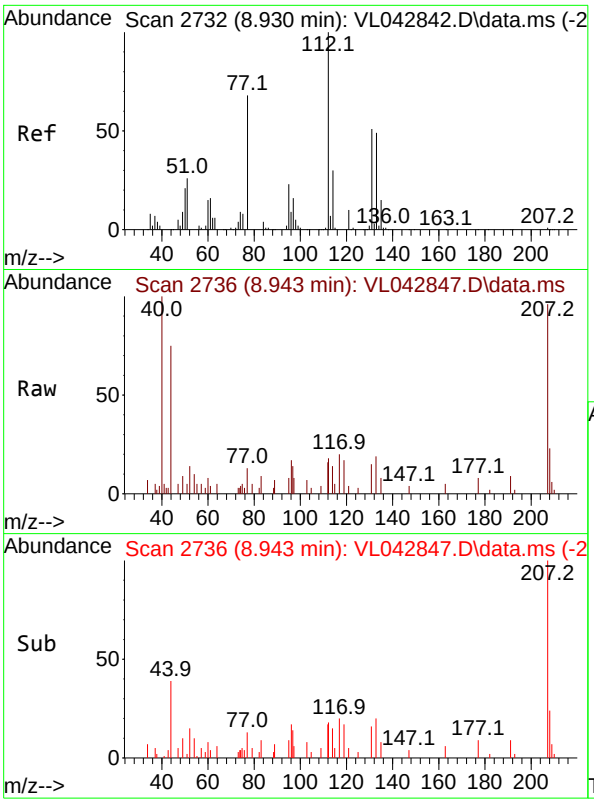


#56
1,1,1,2-Tetrachloroethane
Concen: 0.003 ppbv
RT: 8.953 min Scan# 2739
Delta R.T. 0.019 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:131 Resp: 49

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.0#
119	0.0	51.2	76.8#



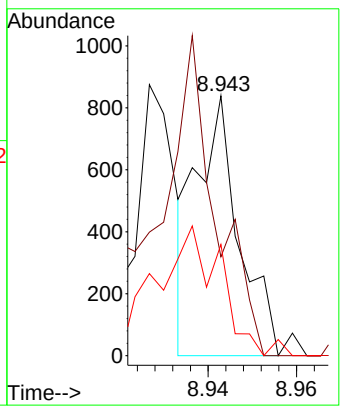


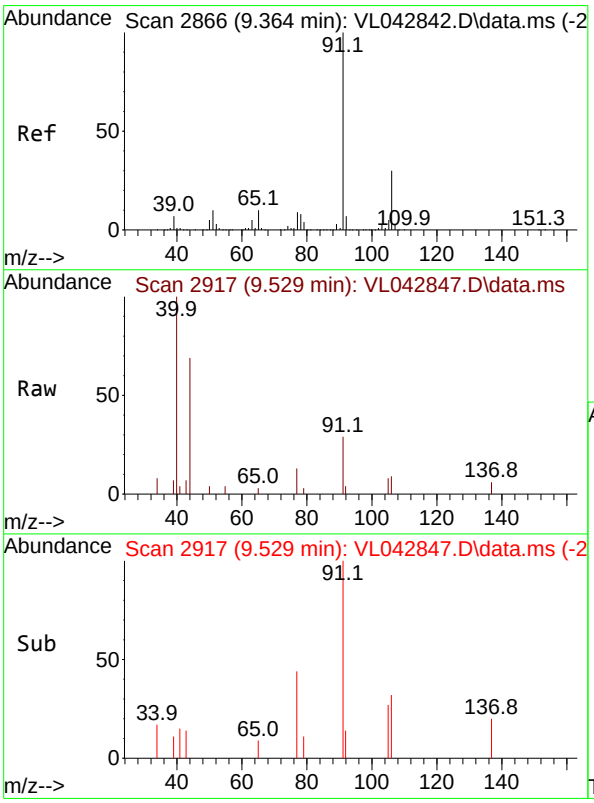
#57
Chlorobenzene
Concen: 0.017 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 561

Ion	Ratio	Lower	Upper
112	100		
77	38.0	55.5	83.3#
114	36.6	27.2	33.2#

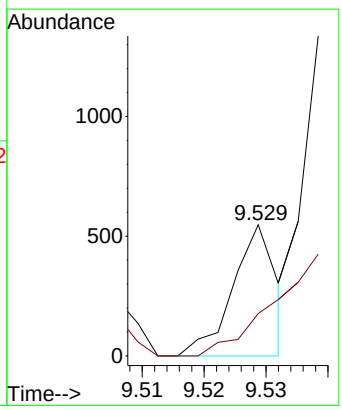


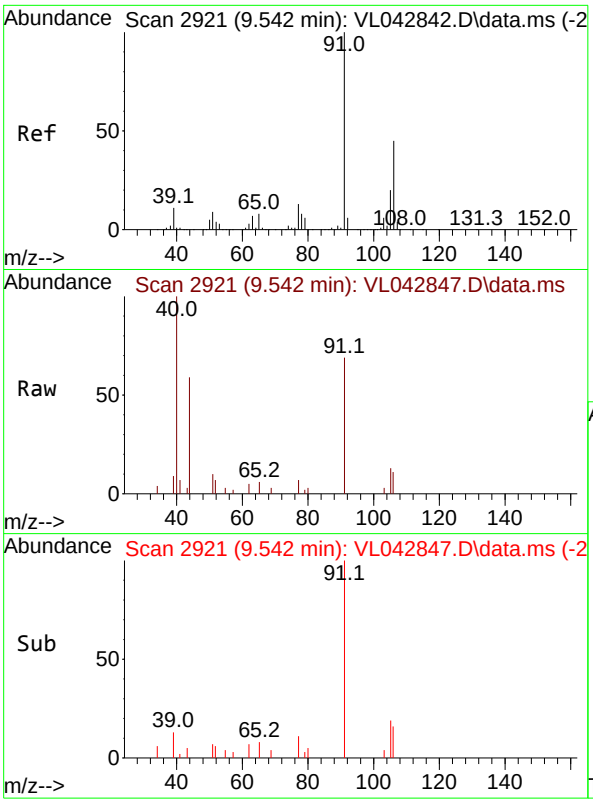


#58
Ethyl Benzene
Concen: 0.004 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. 0.165 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 267

Ion	Ratio	Lower	Upper
91	100		
106	32.3	23.9	35.9



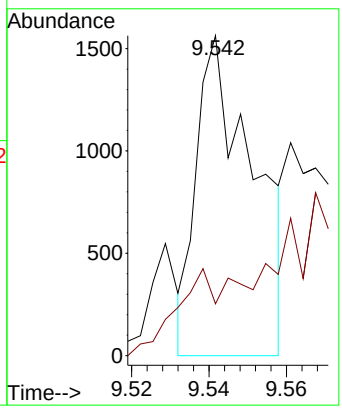


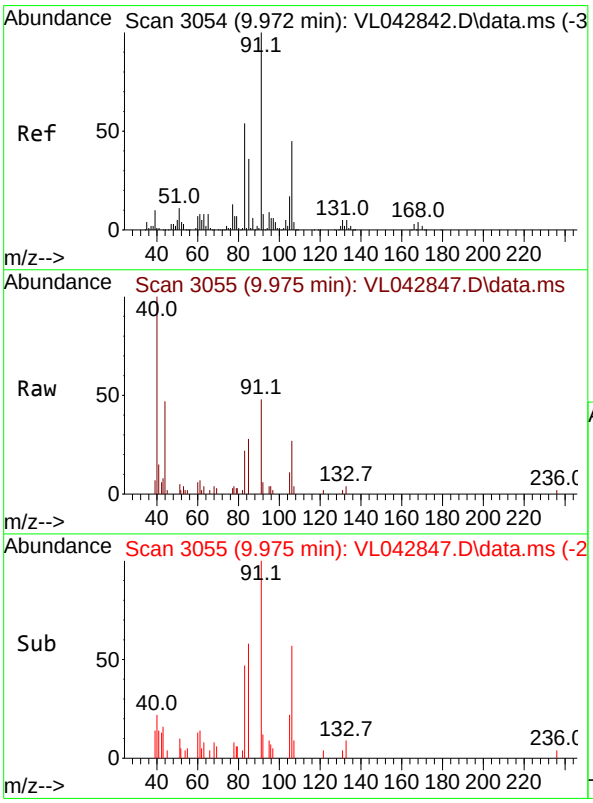
#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 9.542 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1589

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

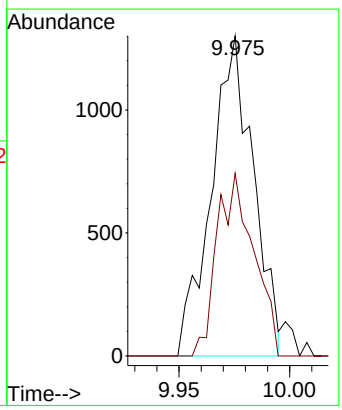


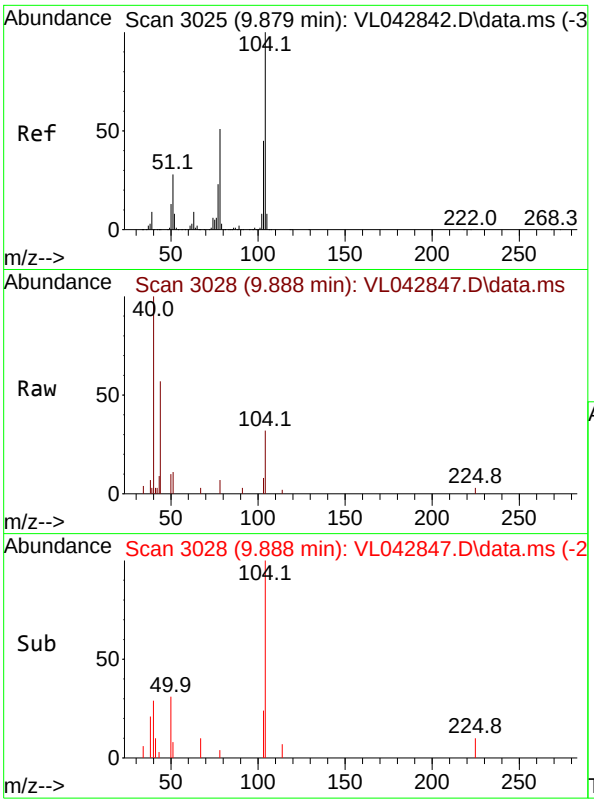


#60
o-Xylene
Concen: 0.036 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 1722

Ion	Ratio	Lower	Upper
91	100		
106	49.8	21.8	65.4



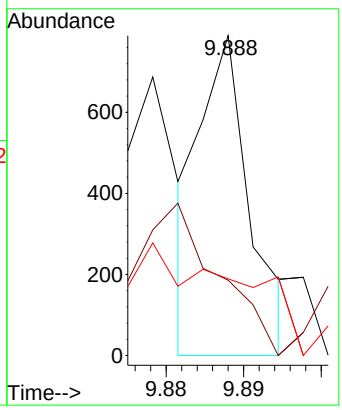


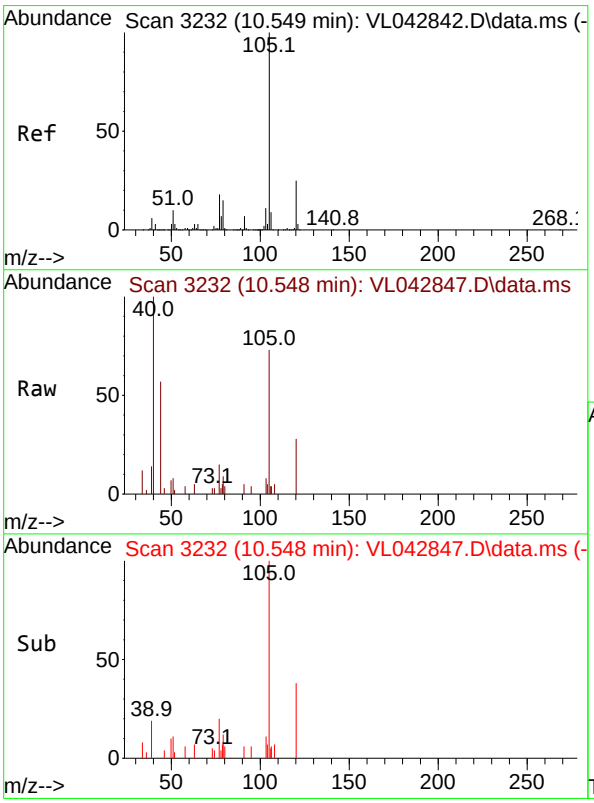
#61
Styrene
Concen: 0.016 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 354

Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.6	61.0#
103	0.0	37.7	56.5#

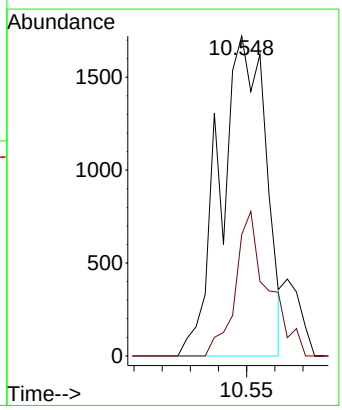


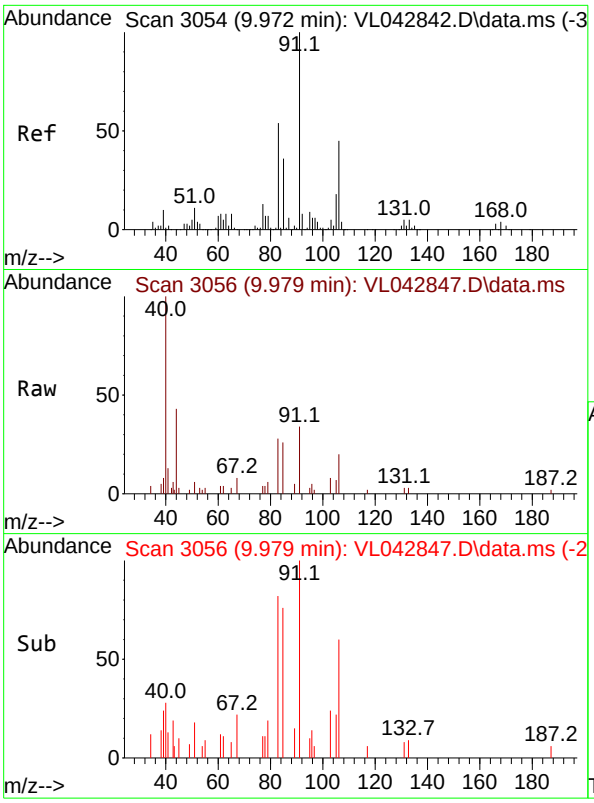


#62
Isopropylbenzene
Concen: 0.028 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:105 Resp: 1945

Ion	Ratio	Lower	Upper
105	100		
120	32.1	20.6	30.8#



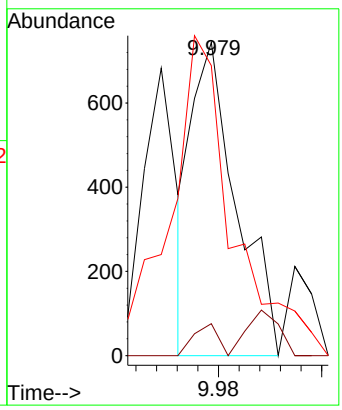


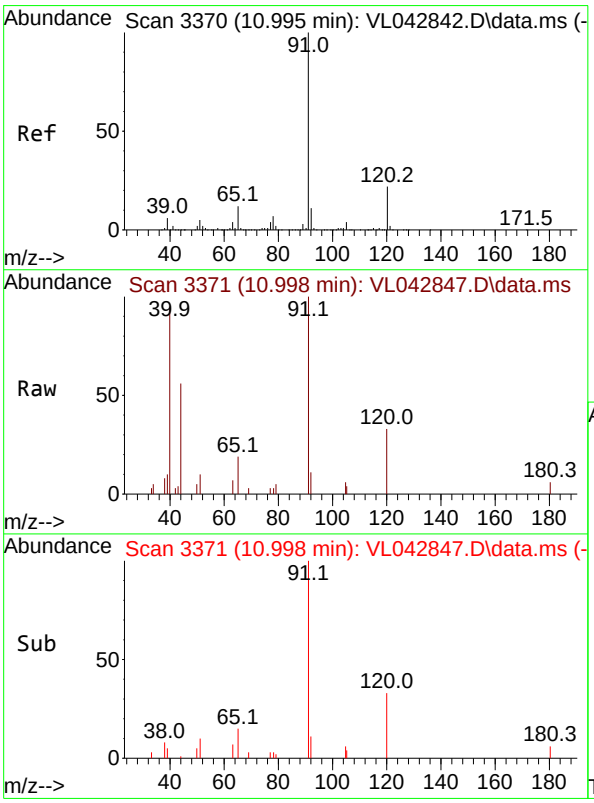
#63
1,1,2,2-Tetrachloroethane
Concen: 0.017 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 451

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	154.3	32.3	96.8#

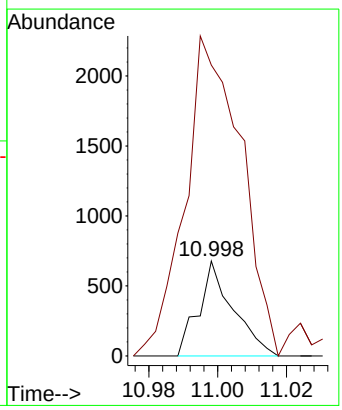


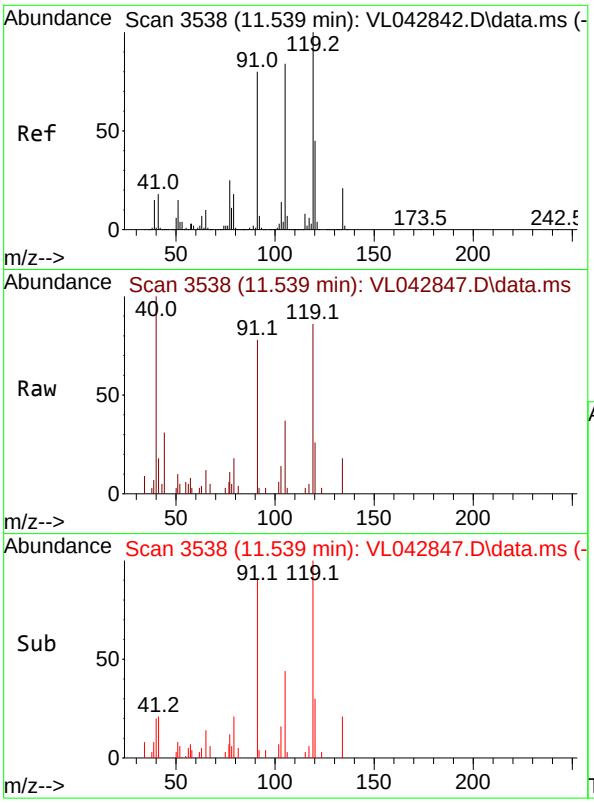


#64
n-propylbenzene
Concen: 0.027 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:120 Resp: 470

Ion	Ratio	Lower	Upper
120	100		
91	567.7	375.8	563.6#



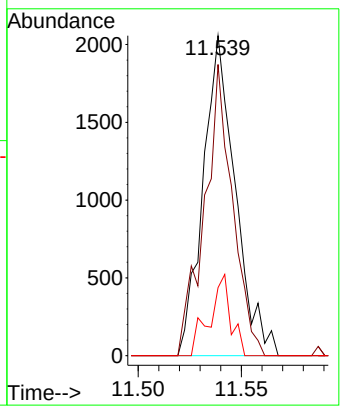


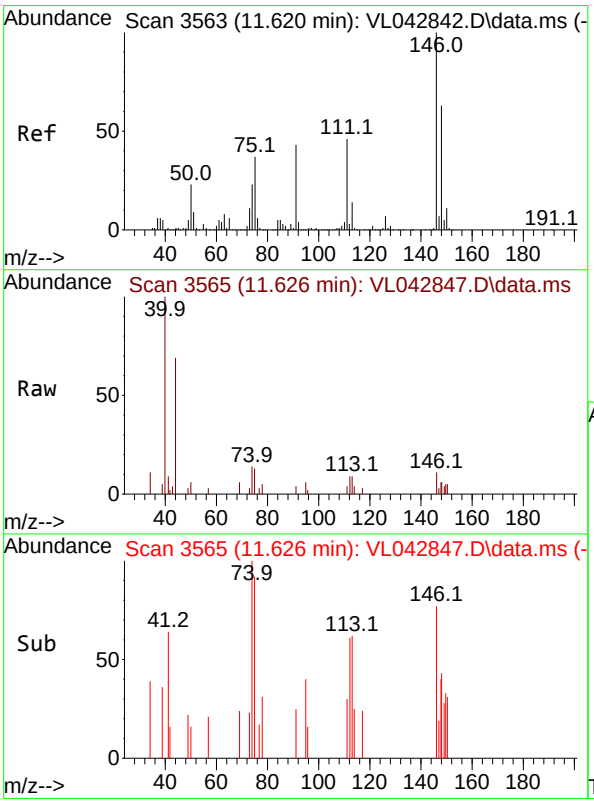
#65
tert-Butylbenzene
Concen: 0.037 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 2234

Ion	Ratio	Lower	Upper
119	100		
91	79.5	63.9	95.9
134	16.7	17.0	25.4#

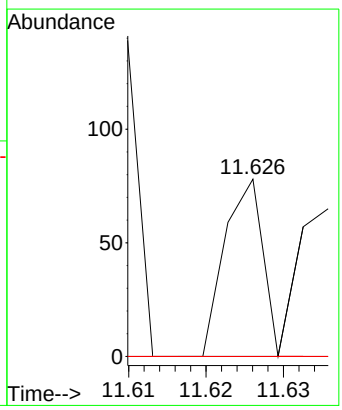


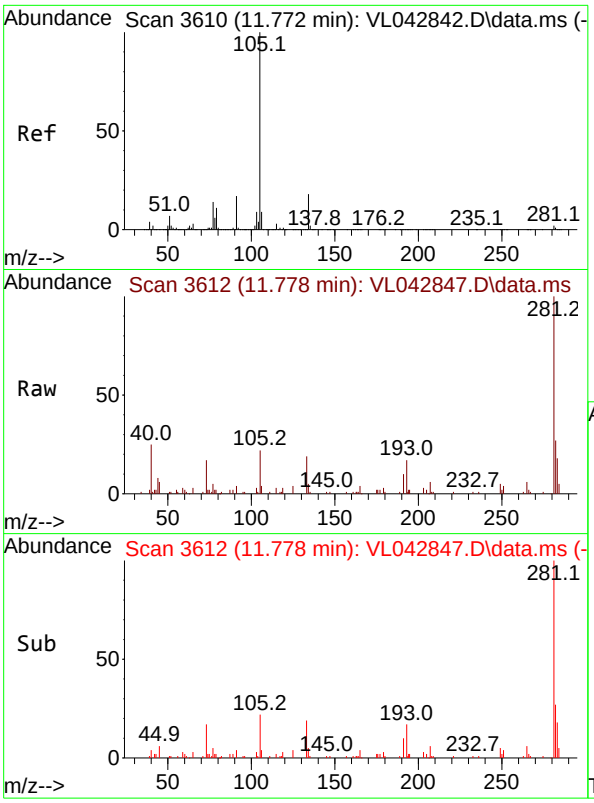


#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 27

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.2	21.4#
128	0.0	5.0	7.6#



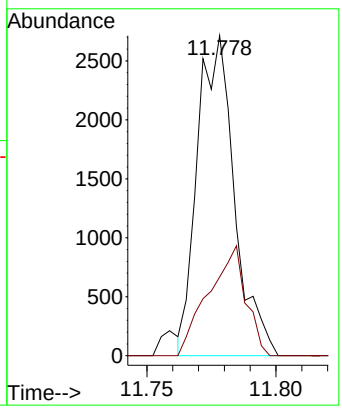


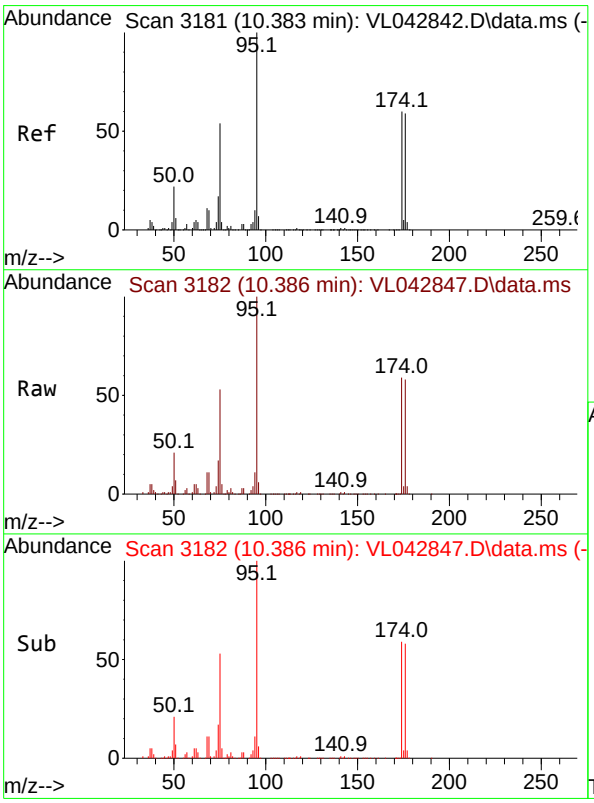
#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 11.778 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 2703

Ion	Ratio	Lower	Upper
105	100		
134	34.8	14.9	22.3#

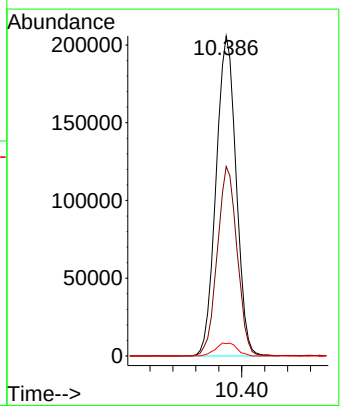


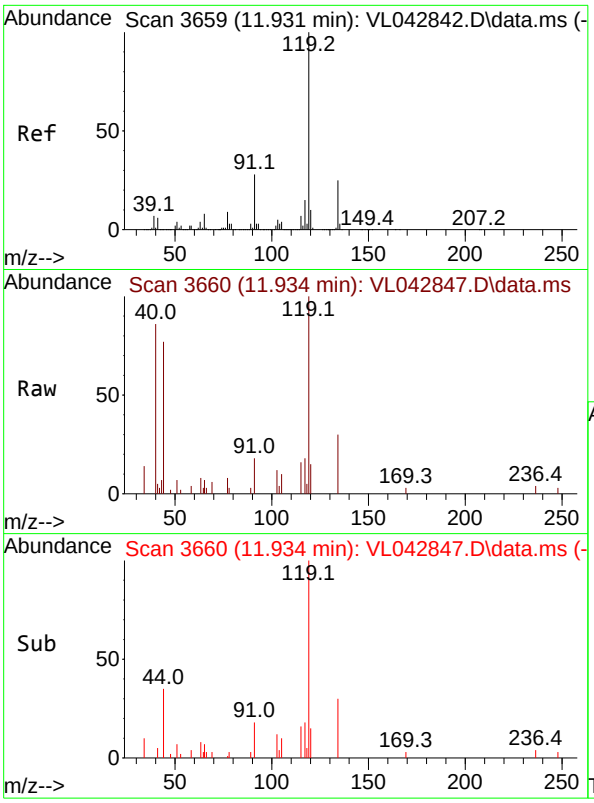


#68
1-Bromo-4-Fluorobenzene
Concen: 9.816 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 95 Resp: 250082

Ion	Ratio	Lower	Upper
95	100		
174	58.5	48.4	72.6
175	4.4	3.8	5.8



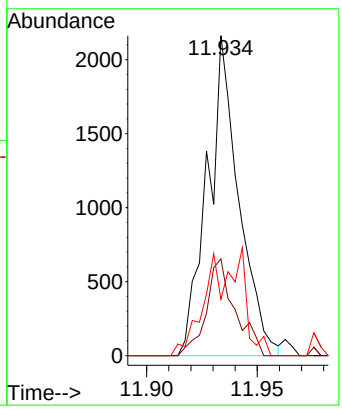


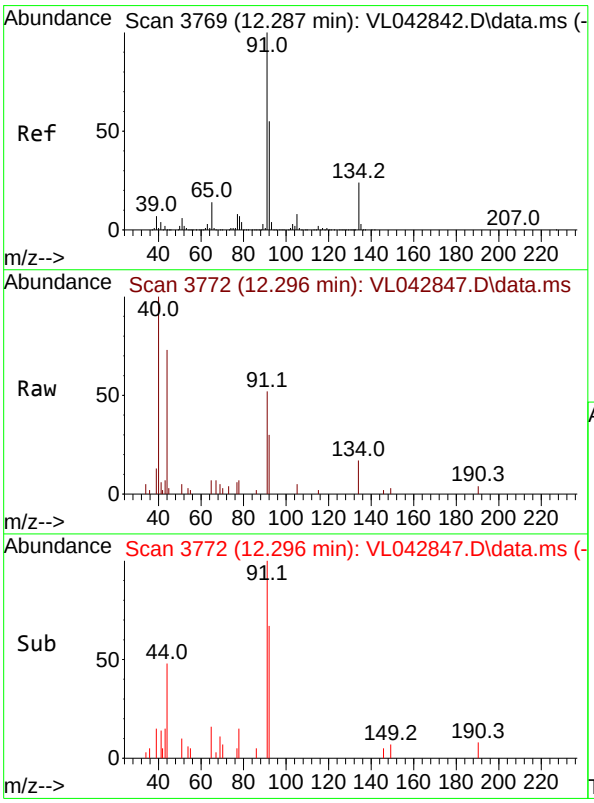
#69
p-Isopropyltoluene
Concen: 0.029 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 2136

Ion	Ratio	Lower	Upper
119	100		
134	27.7	20.6	30.8
91	38.2	22.6	34.0#

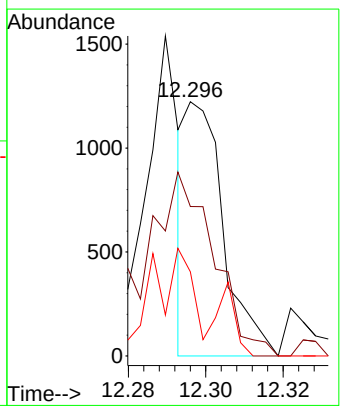


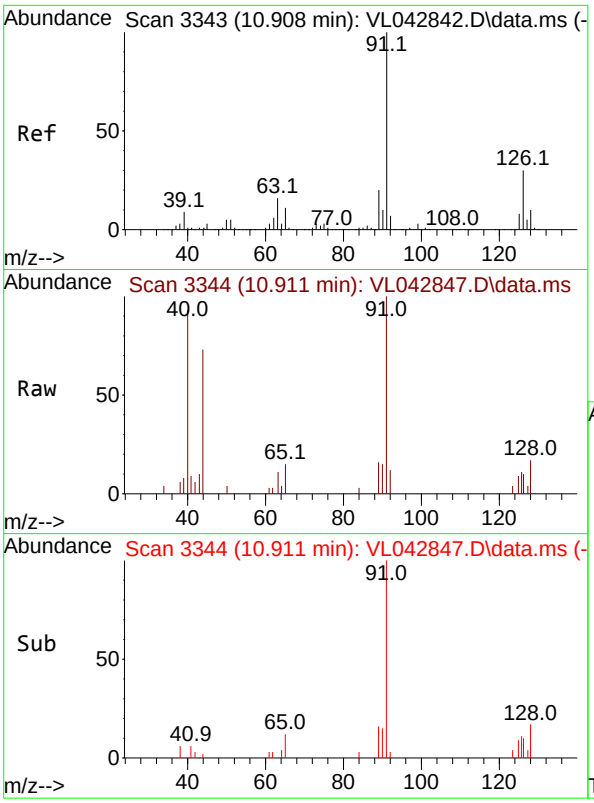


#70
n-Butylbenzene
Concen: 0.011 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 829

Ion	Ratio	Lower	Upper
91	100		
92	132.4	44.6	66.8#
134	60.6	19.0	28.4#



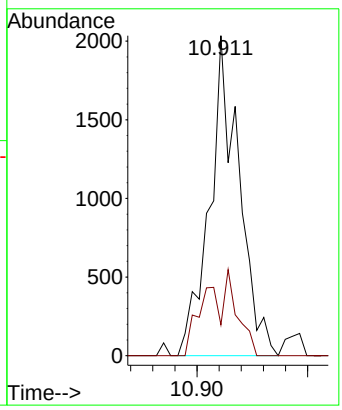


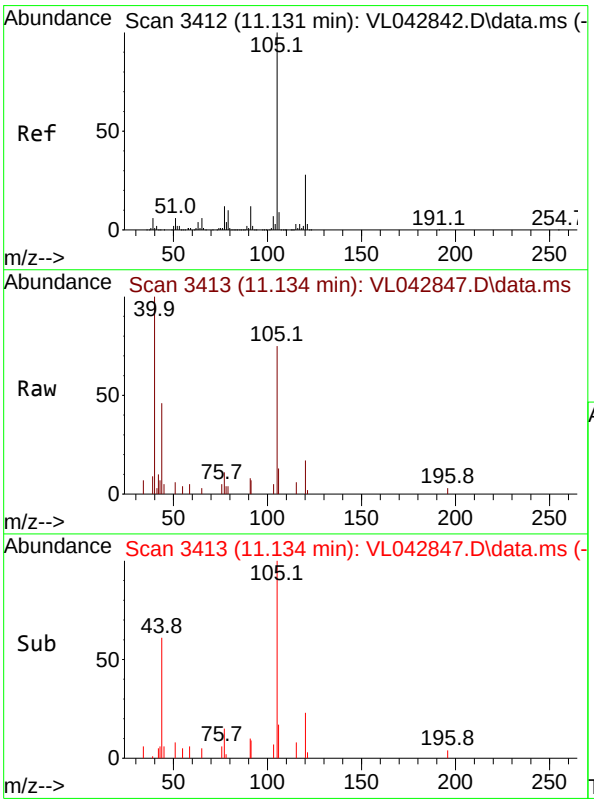
#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1870

Ion	Ratio	Lower	Upper
91	100		
126	28.4	12.0	47.8

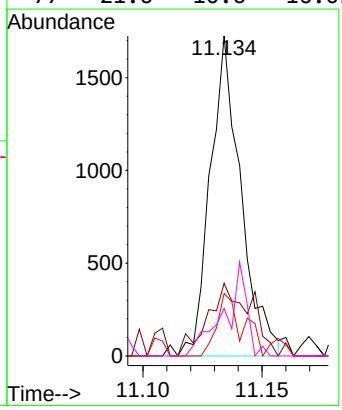


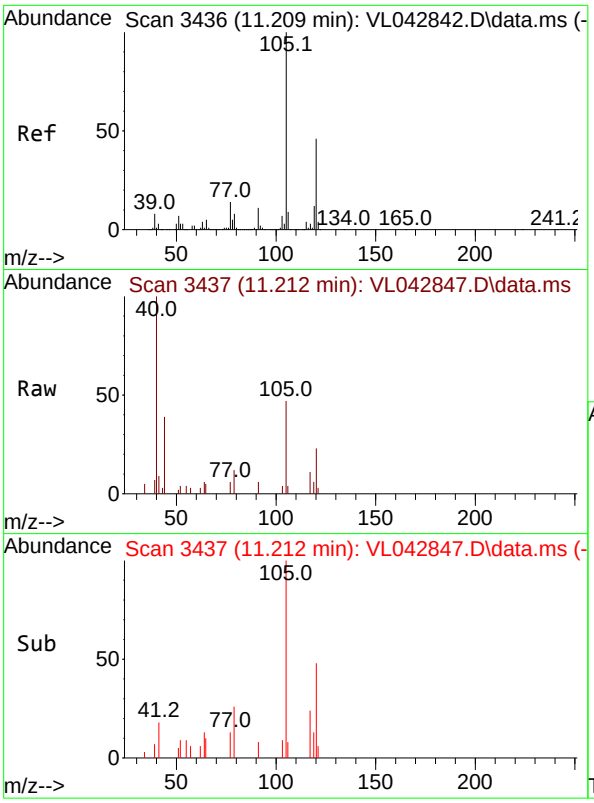


#72
4-Ethyltoluene
Concen: 0.027 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:105 Resp: 1543

Ion	Ratio	Lower	Upper
105	100		
120	37.8	23.4	35.2#
91	21.4	9.8	14.6#
77	21.6	10.6	16.0#



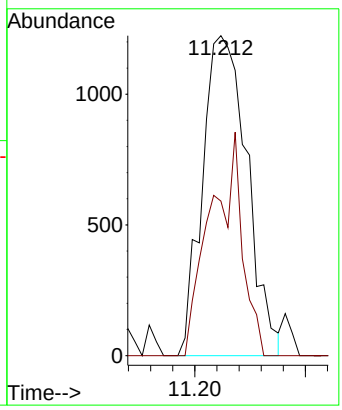


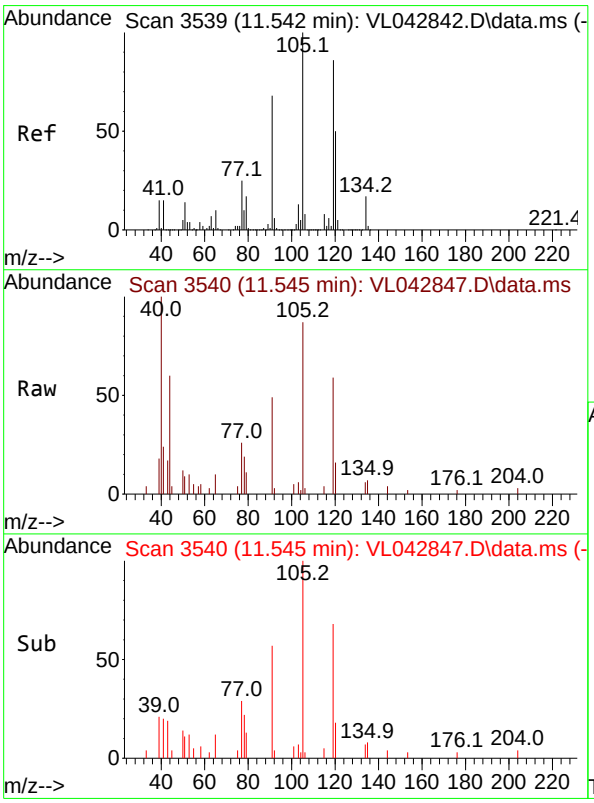
#73
1,3,5-Trimethylbenzene
Concen: 0.035 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1716

Ion	Ratio	Lower	Upper
105	100		
120	48.3	36.6	54.8

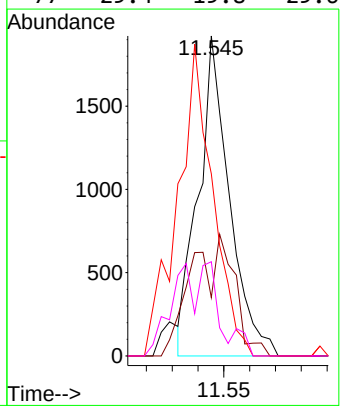


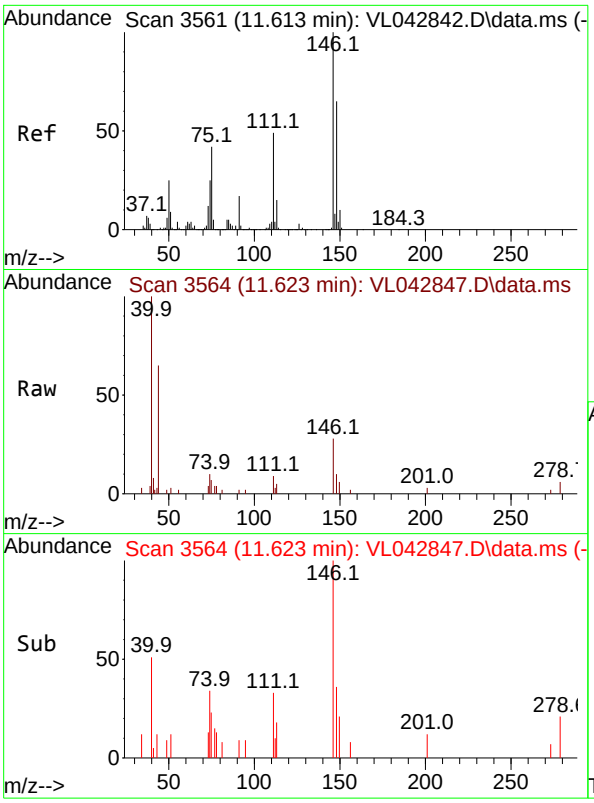


#74
1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:105 Resp: 1610

Ion	Ratio	Lower	Upper
105	100		
120	18.3	39.8	59.6#
91	56.9	54.2	81.4
77	29.4	19.8	29.6



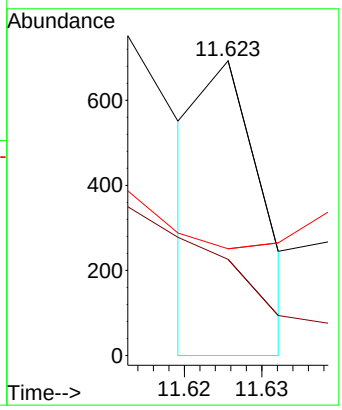


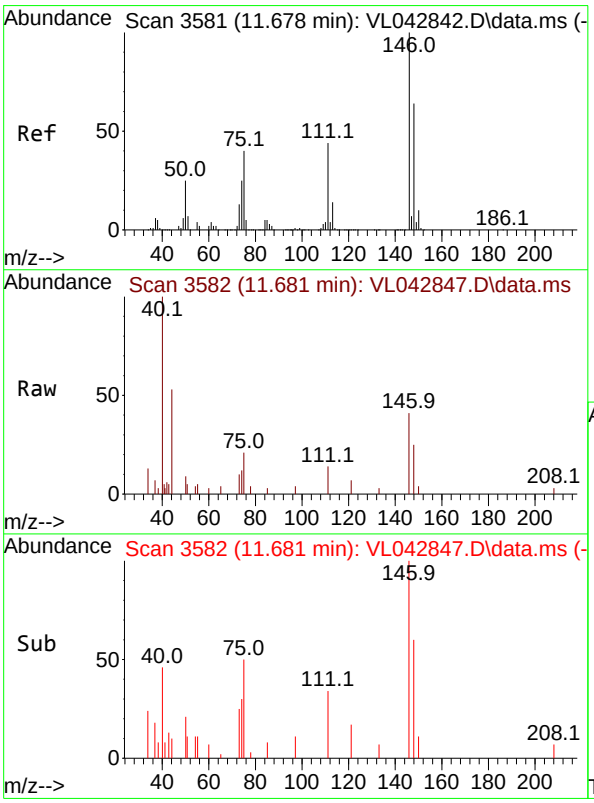
#75
1,3-Dichlorobenzene
Concen: 0.006 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 182

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.9	71.7#
148	0.0	31.4	94.0#

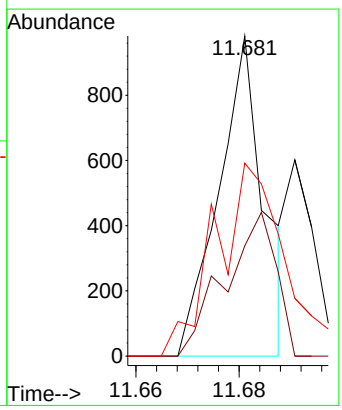


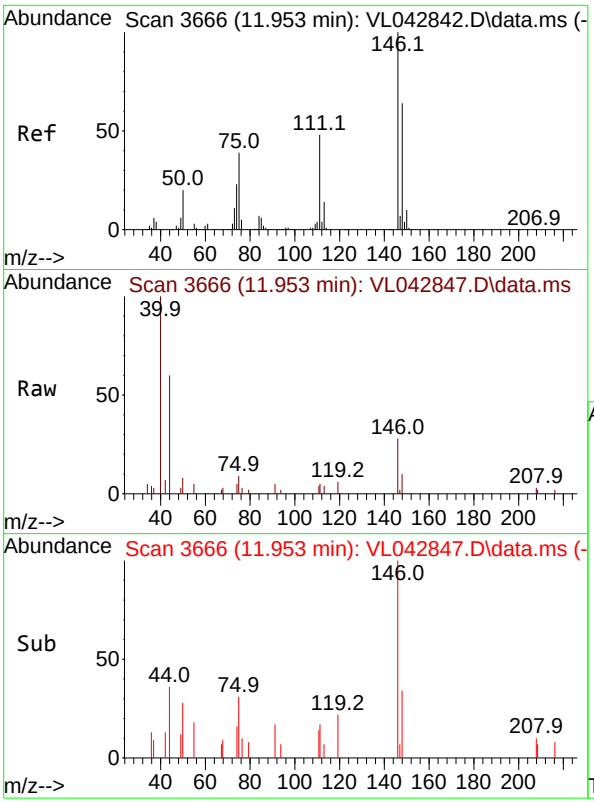


#76
1,4-Dichlorobenzene
Concen: 0.019 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:146 Resp: 596

Ion	Ratio	Lower	Upper
146	100		
111	58.2	22.7	68.1
148	92.8	31.8	95.3



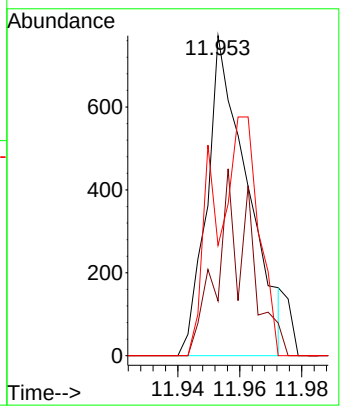


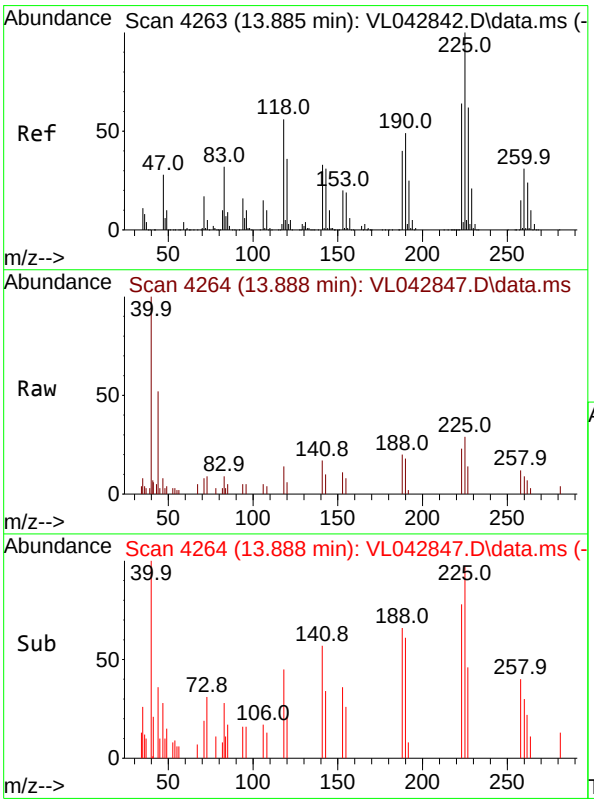
#77
1,2-Dichlorobenzene
Concen: 0.024 ppbv
RT: 11.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 701

Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.6	74.0
148	80.2	32.0	96.0

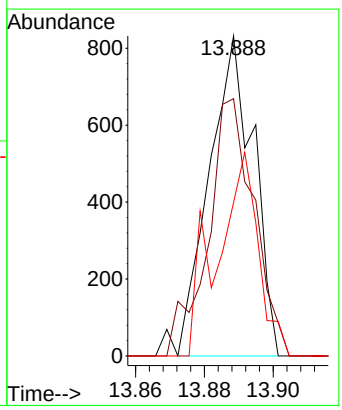


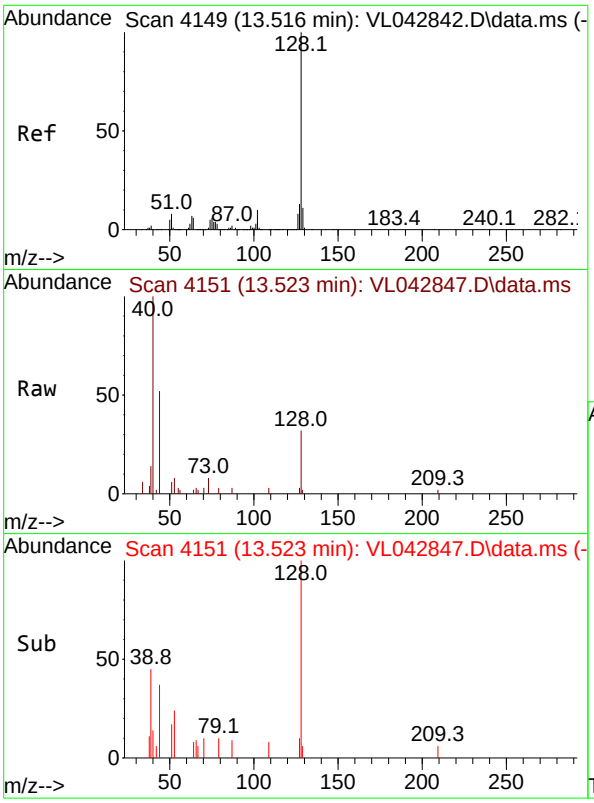


#78
Hexachloro-1,3-Butadiene
Concen: 0.030 ppbv
RT: 13.888 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:225 Resp: 744

Ion	Ratio	Lower	Upper
225	100		
223	83.6	51.4	77.2#
227	59.5	51.9	77.9



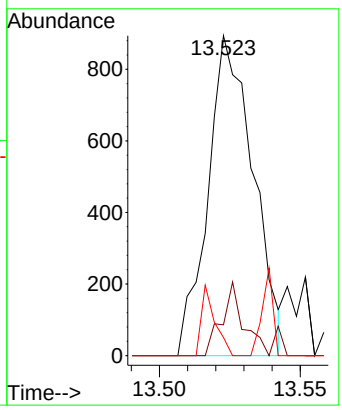


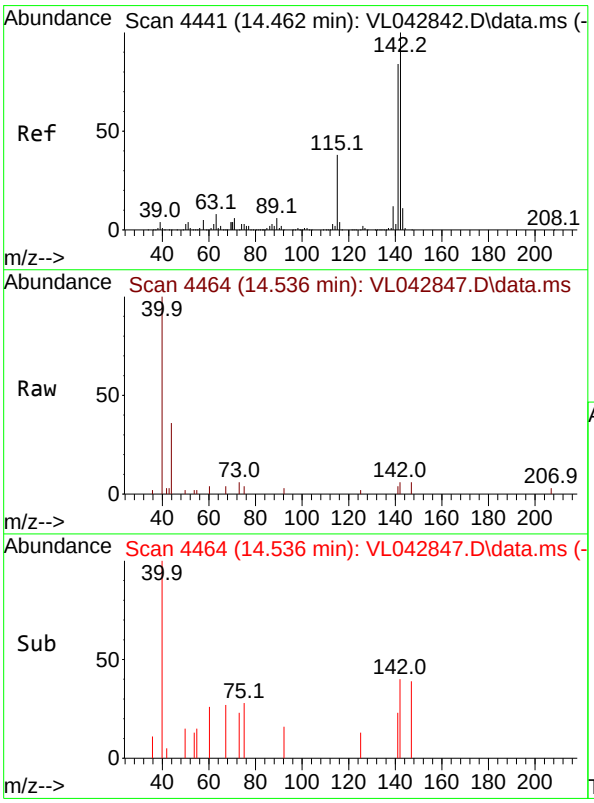
#79
Naphthalene
Concen: 0.021 ppbv
RT: 13.523 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 998

Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.6	16.0#
129	5.4	8.9	13.3#

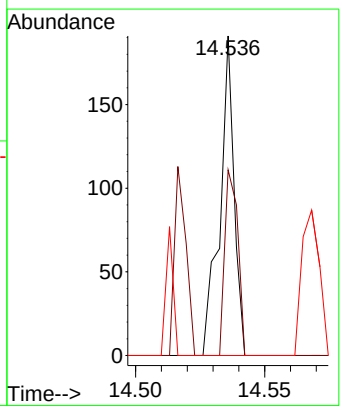


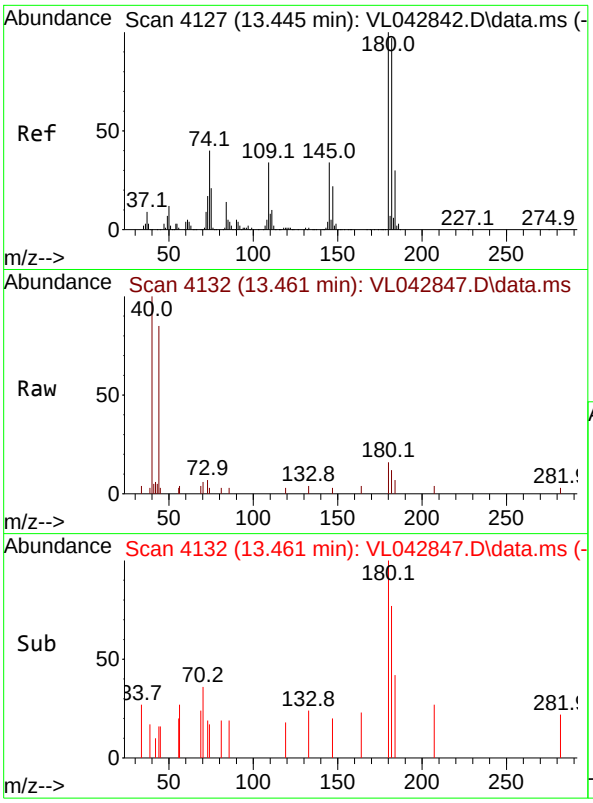


#80
Naphthalene,2-methyl-
Concen: 0.004 ppbv
RT: 14.536 min Scan# 4464
Delta R.T. 0.074 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:142 Resp: 73

Ion	Ratio	Lower	Upper
142	100		
141	101.4	67.0	100.6#
115	56.2	30.9	46.3#



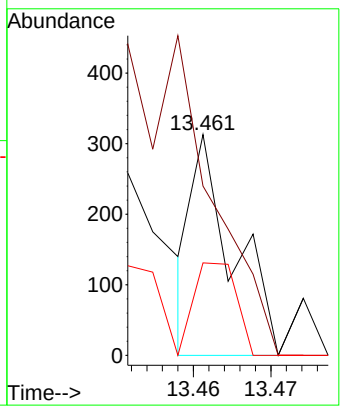


#81
1,2,4-Trichlorobenzene
Concen: 0.005 ppbv
RT: 13.461 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 114

Ion	Ratio	Lower	Upper
180	100		
182	352.6	76.9	115.3#
184	0.0	24.5	36.7#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	122073	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	380877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	337876	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	254655	10.050	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	253151	14.150	ppbv	99
3) Chlorodifluoromethane	1.480	51	275350	13.910	ppbv	99
4) Chloromethane	1.535	50	100974	13.986	ppbv	99
5) Vinyl Chloride	1.583	62	92812	13.053	ppbv	100
6) Bromomethane	1.671	94	37740	13.275	ppbv	96
7) Chloroethane	1.706	64	38398	13.828	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	205386	14.029	ppbv	98
9) Propene	1.486	41	111824	13.094	ppbv	99
10) Heptane	4.988	43	313734	13.742	ppbv	99
11) Trichlorofluoromethane	1.881	101	246354	13.957	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	195231	13.877	ppbv	99
13) Ethanol	1.722	45	8534	10.086	ppbv	98
14) Bromoethene	1.784	108	71671	14.072	ppbv	99
15) Acetone	1.839	43	184116	11.402	ppbv	100
16) 1,3-Butadiene	1.612	39	92068	12.577	ppbv	100
17) tert-Butyl alcohol	2.043	59	244441	12.765	ppbv	100
18) 1,1-Dichloroethene	2.036	96	86349	13.961	ppbv	97
19) Isopropyl Alcohol	1.887	45	124270	12.885	ppbv	99
20) Methylene Chloride	2.065	84	77749	11.494	ppbv	97
21) Allyl Chloride	2.101	41	156318	13.703	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	100064	14.465	ppbv	95
23) Vinyl Acetate	2.467	43	309236	14.557	ppbv	98
24) 1,1-Dichloroethane	2.412	63	199276	13.944	ppbv	98
25) Ethyl Acetate	2.839	43	533600	13.653	ppbv	99
26) Hexane	2.833	57	250189	13.869	ppbv	98
27) Carbon Disulfide	2.153	76	246868	14.062	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	129978	14.131	ppbv	91
29) Chloroform	2.855	83	360661	14.003	ppbv	99
30) Cyclohexane	3.865	84	222820	14.088	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	249376	13.821	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	377739	13.851	ppbv	100
34) 2-Butanone	2.561	43	348815	13.563	ppbv	99
35) Carbon Tetrachloride	3.771	117	367354	13.990	ppbv	97
36) Benzene	3.664	78	511811	14.033	ppbv	99
37) 1,2-Dichloroethane	3.224	62	278934	14.639	ppbv	99
38) Trichloroethene	4.558	130	227091	13.634	ppbv	96
39) 1,2-Dichloropropane	4.325	63	186277	13.984	ppbv	95
40) 1,4-Dioxane	4.593	88	82385	13.212	ppbv #	91
41) Tetrahydrofuran	3.056	42	200751	14.001	ppbv	99
42) Bromodichloromethane	4.499	83	408089	14.372	ppbv	97
43) Methyl Methacrylate	4.888	69	206590	13.808	ppbv	99
44) 2,2,4-Trimethylpentane	4.652	57	850847	13.895	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	244117	14.387	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

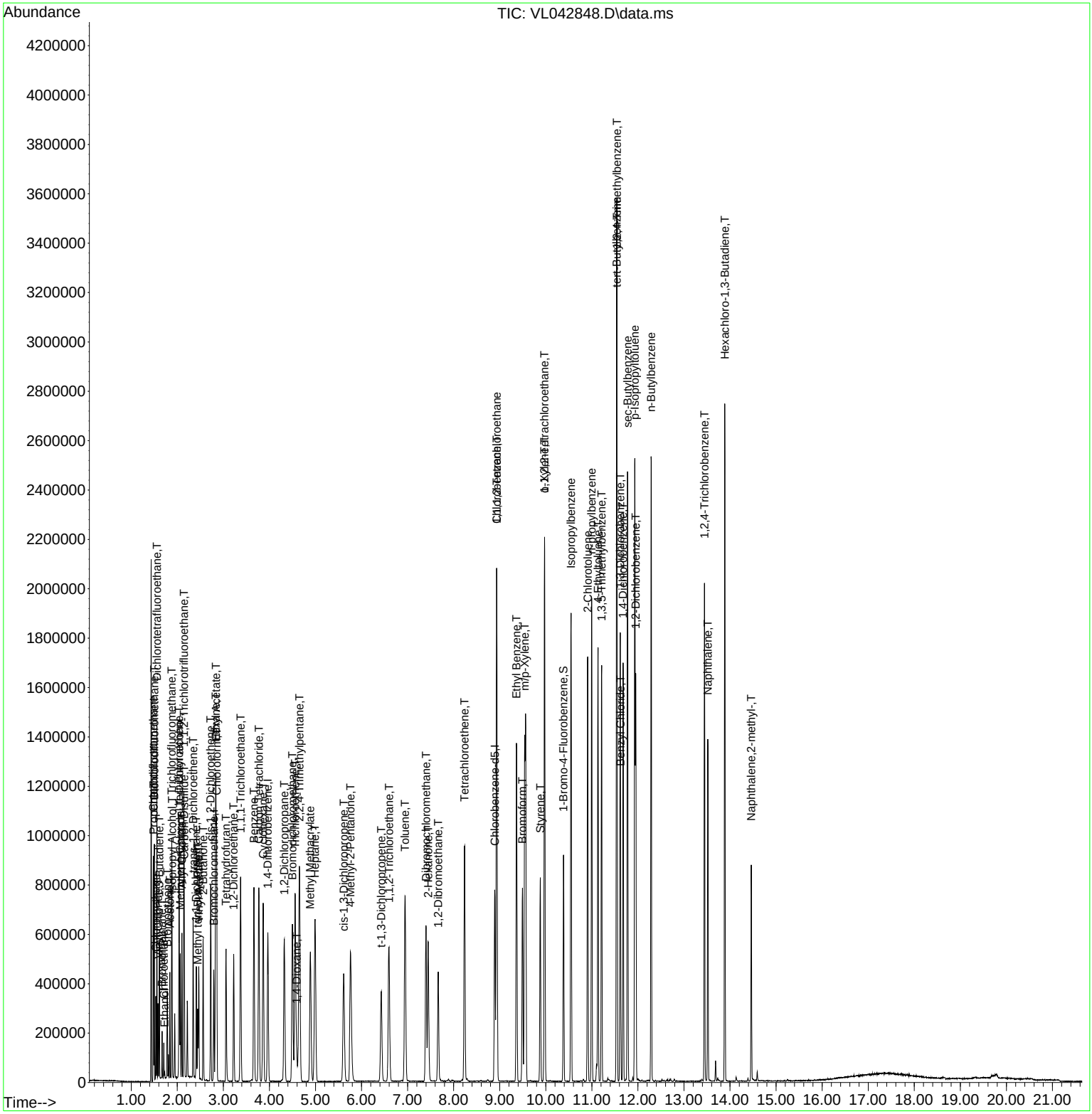
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	302339	14.191	ppbv		98
47) 1,1,2-Trichloroethane	6.597	97	199067	14.118	ppbv		98
48) Dibromochloromethane	7.399	129	331947	14.535	ppbv		99
49) Bromoform	9.494	173	266732	14.162	ppbv		100
50) 4-Methyl-2-Pentanone	5.758	43	490917	14.073	ppbv		100
51) 2-Hexanone	7.448	43	389940	14.255	ppbv		100
52) Tetrachloroethene	8.238	164	168712	12.772	ppbv		98
53) Toluene	6.943	91	605941	13.961	ppbv		100
54) 1,2-Dibromoethane	7.665	107	292327	14.173	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.934	131	241293	13.810	ppbv		99
57) Chlorobenzene	8.934	112	439109	13.668	ppbv		99
58) Ethyl Benzene	9.364	91	826316	13.859	ppbv		99
59) m/p-Xylene	9.542	91	667628	14.262	ppbv	#	100
60) o-Xylene	9.973	91	629445	13.389	ppbv		100
61) Styrene	9.882	104	304560	13.827	ppbv		99
62) Isopropylbenzene	10.549	105	931574	13.559	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.973	83	342890	13.356	ppbv		98
64) n-propylbenzene	10.999	120	239209	13.646	ppbv		98
65) tert-Butylbenzene	11.539	119	785250	12.965	ppbv		98
66) Benzyl Chloride	11.623	91	104698	13.617	ppbv		99
67) sec-Butylbenzene	11.775	105	1115979	13.127	ppbv		100
69) p-Isopropyltoluene	11.931	119	940888	12.891	ppbv		98
70) n-Butylbenzene	12.287	91	970700	13.410	ppbv		100
71) 2-Chlorotoluene	10.911	91	713696	13.378	ppbv		99
72) 4-Ethyltoluene	11.134	105	782057	13.722	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	650280	13.418	ppbv		99
74) 1,2,4-Trimethylbenzene	11.546	105	691709	13.003	ppbv		95
75) 1,3-Dichlorobenzene	11.617	146	402850	13.321	ppbv		99
76) 1,4-Dichlorobenzene	11.678	146	407214	13.314	ppbv		98
77) 1,2-Dichlorobenzene	11.953	146	385866	13.031	ppbv		99
78) Hexachloro-1,3-Butadiene	13.886	225	281581	11.602	ppbv		99
79) Naphthalene	13.517	128	658732	13.837	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	251753	14.042	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	329641	13.599	ppbv		100

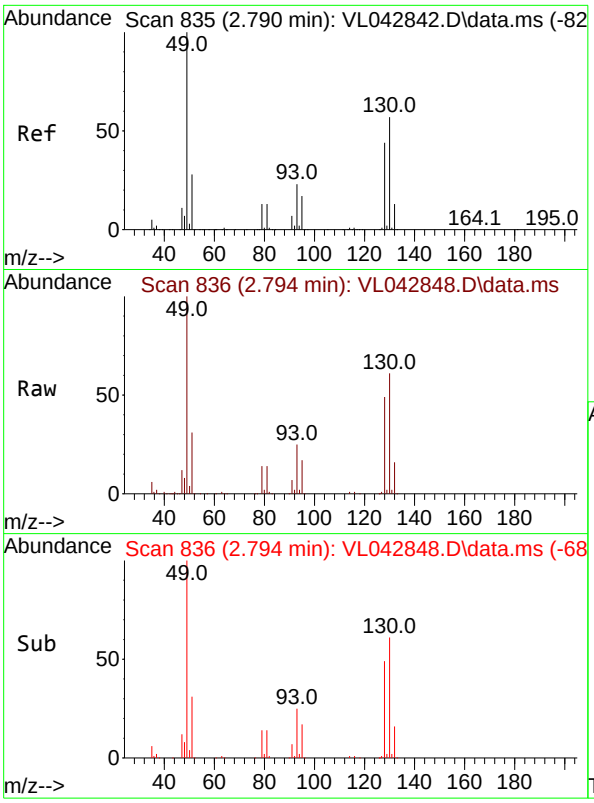
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration



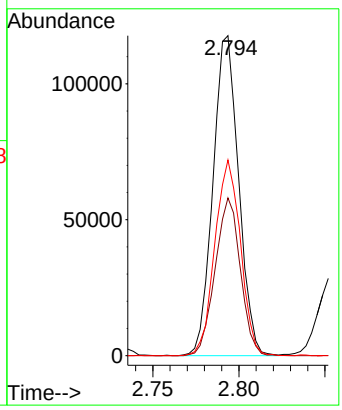


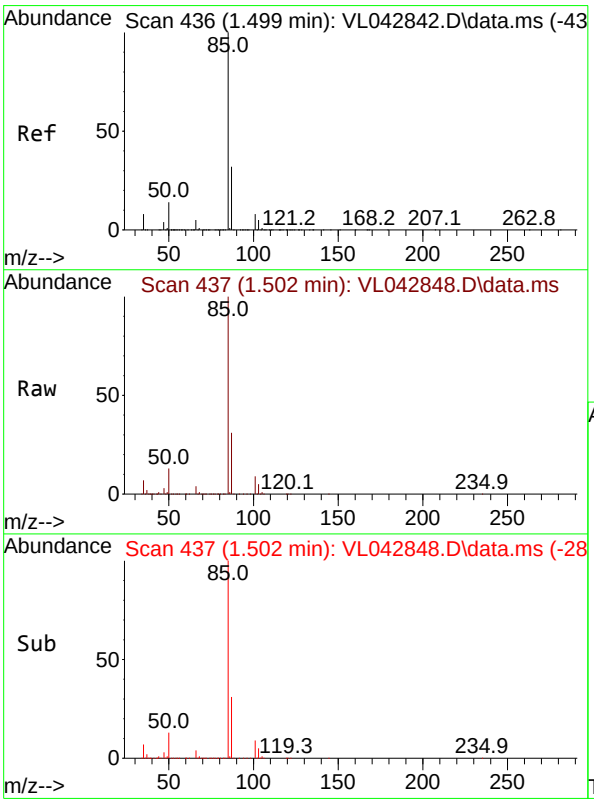
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 122073

Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.7	71.1
130	61.2	30.6	91.6

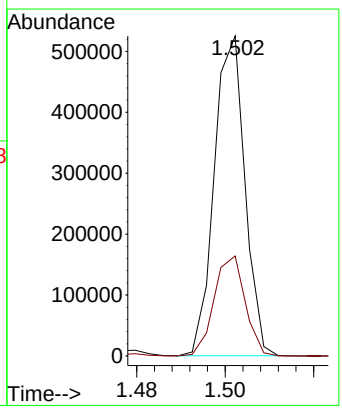


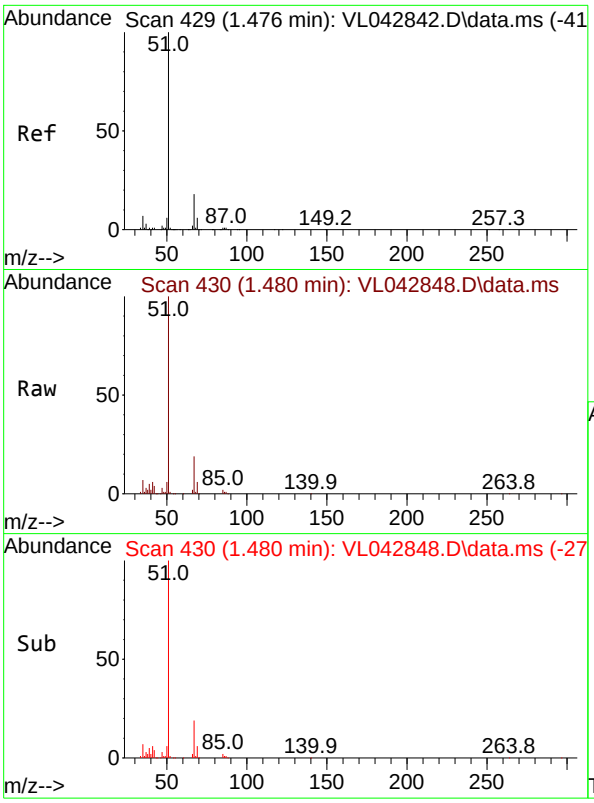


#2
Dichlorodifluoromethane
Concen: 14.150 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 253151

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.3	37.9



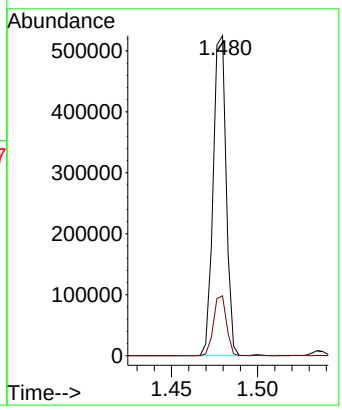


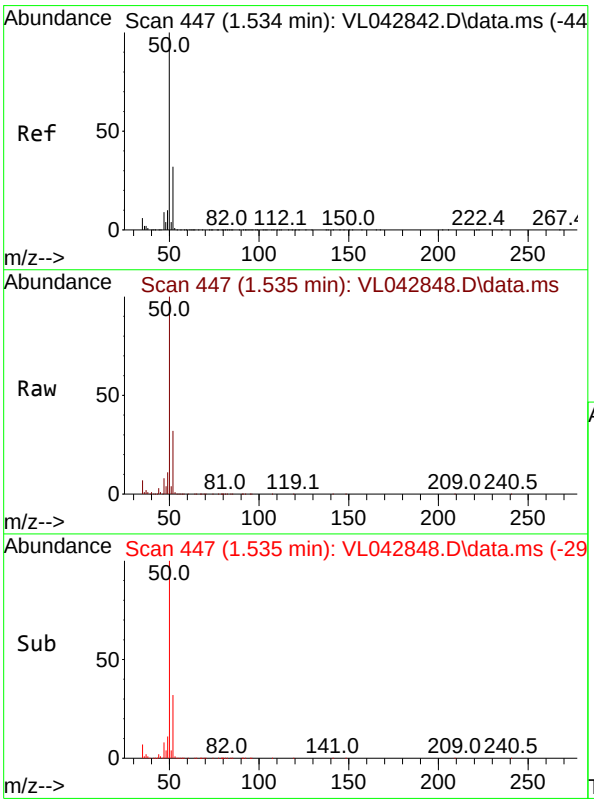
#3
Chlorodifluoromethane
Concen: 13.910 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 275350

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.9	22.3

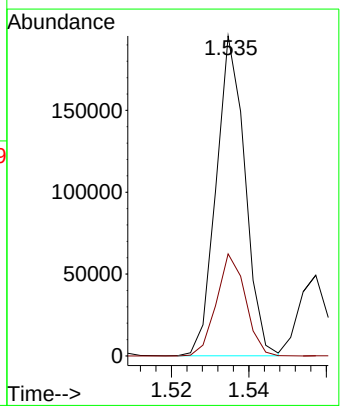


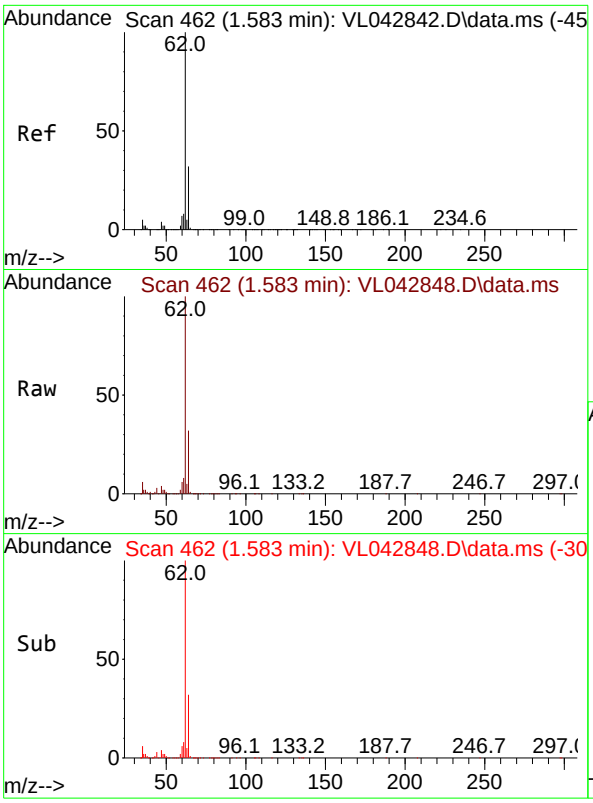


#4
Chloromethane
Concen: 13.986 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 50 Resp: 100974

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.9	38.9



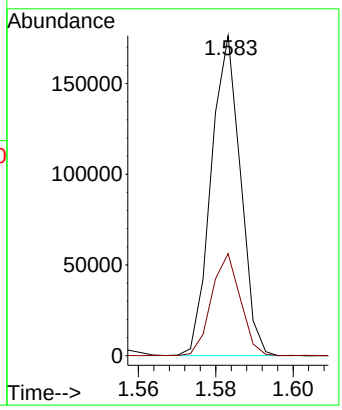


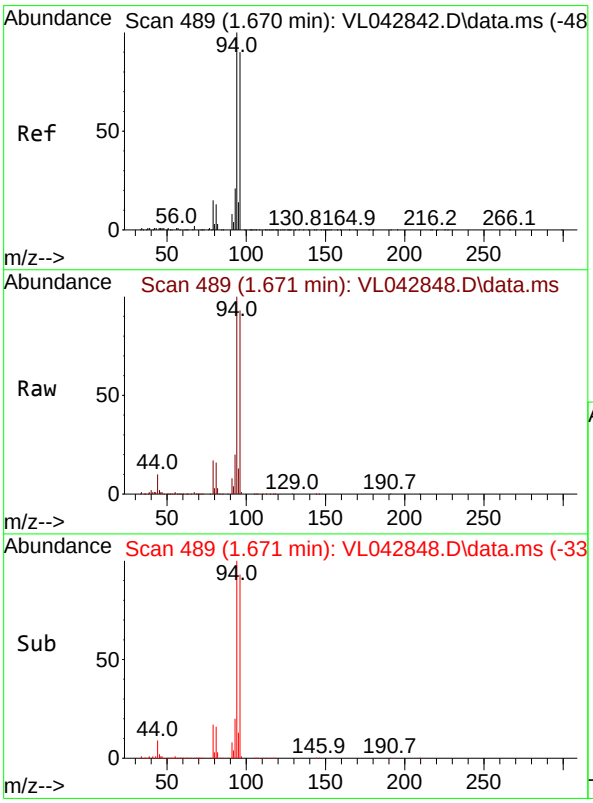
#5
Vinyl Chloride
Concen: 13.053 ppbv
RT: 1.583 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 92812

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2

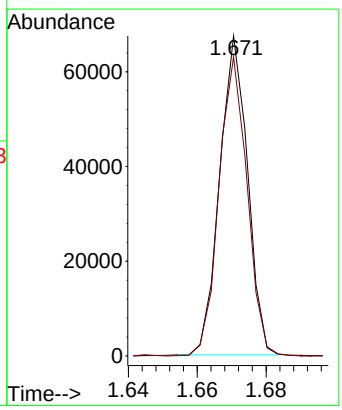


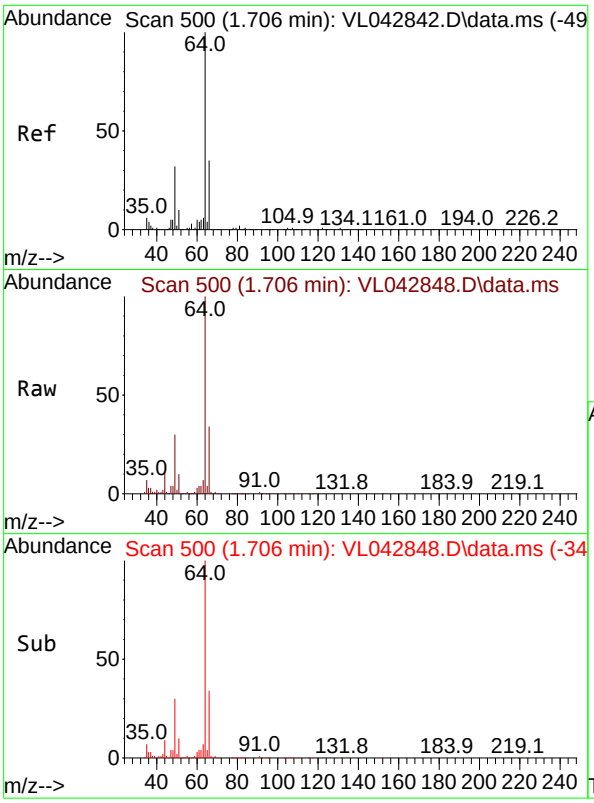


#6
Bromomethane
Concen: 13.275 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 94 Resp: 37740

Ion	Ratio	Lower	Upper
94	100		
96	93.7	72.1	108.1



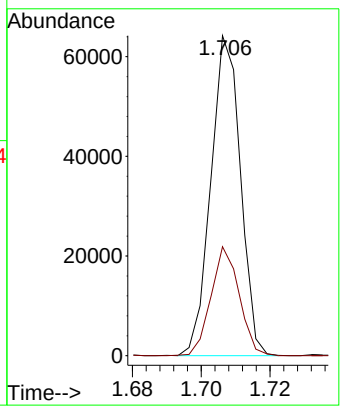


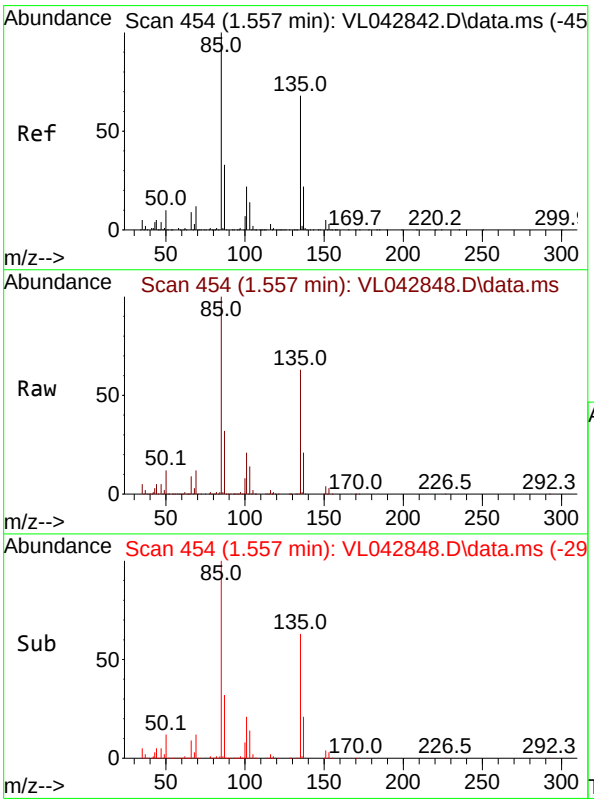
#7
Chloroethane
Concen: 13.828 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 38398

Ion	Ratio	Lower	Upper
64	100		
66	34.1	28.6	42.8

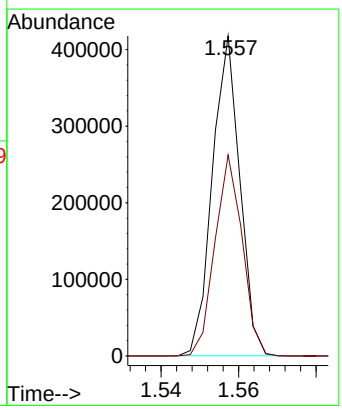


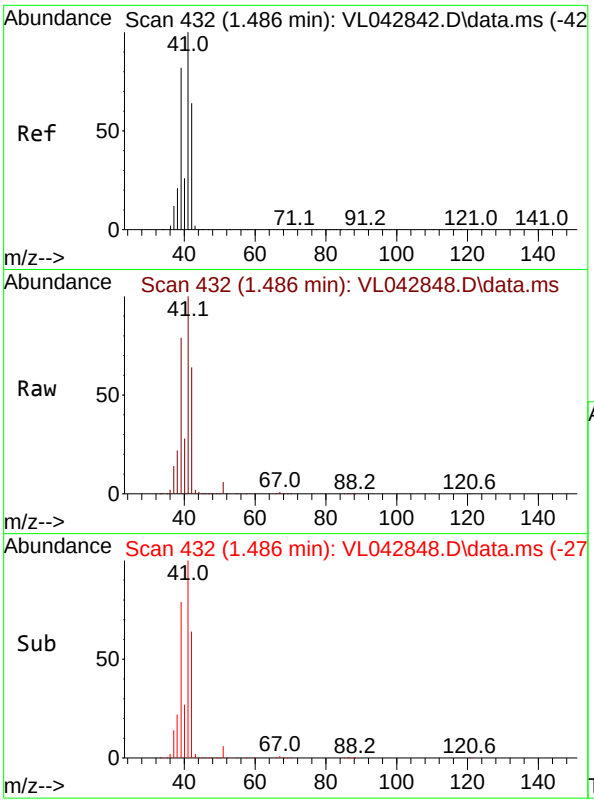


#8
Dichlorotetrafluoroethane
Concen: 14.029 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 205386

Ion	Ratio	Lower	Upper
85	100		
135	62.7	51.2	76.8



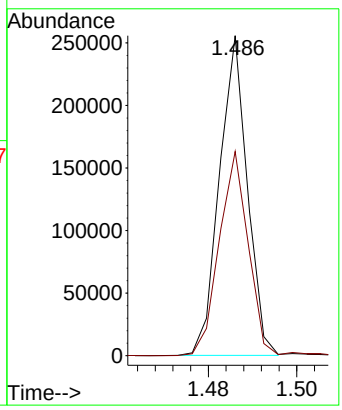


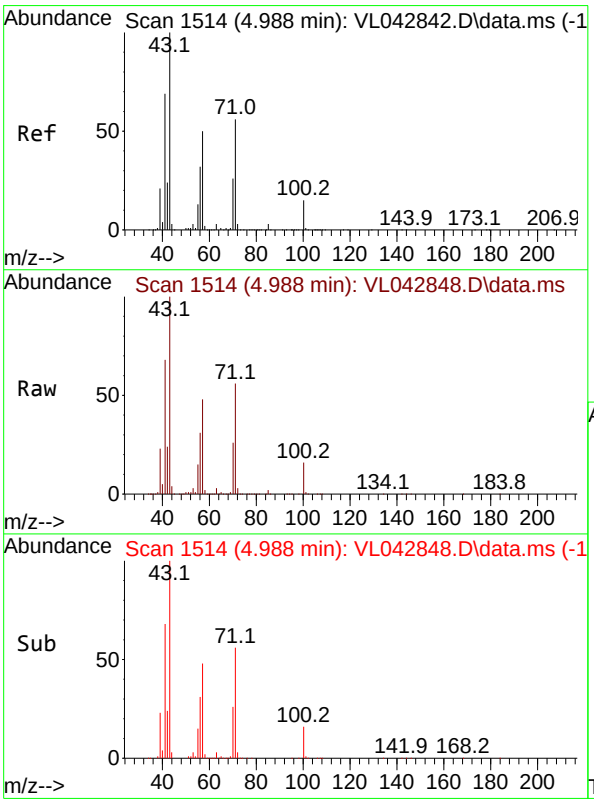
#9
Propene
Concen: 13.094 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 111824

Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.0	79.4

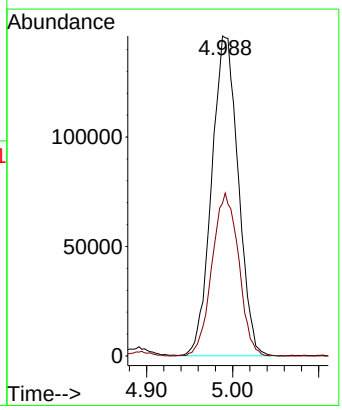


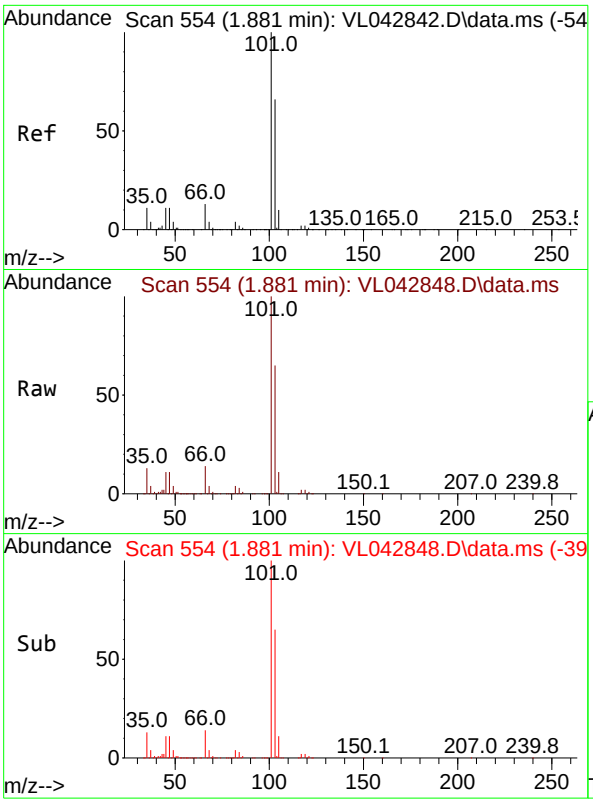


#10
Heptane
Concen: 13.742 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 313734

Ion	Ratio	Lower	Upper
43	100		
57	51.0	41.4	62.0



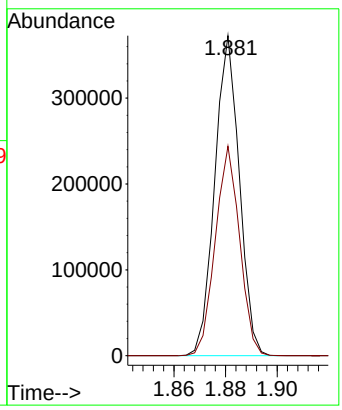


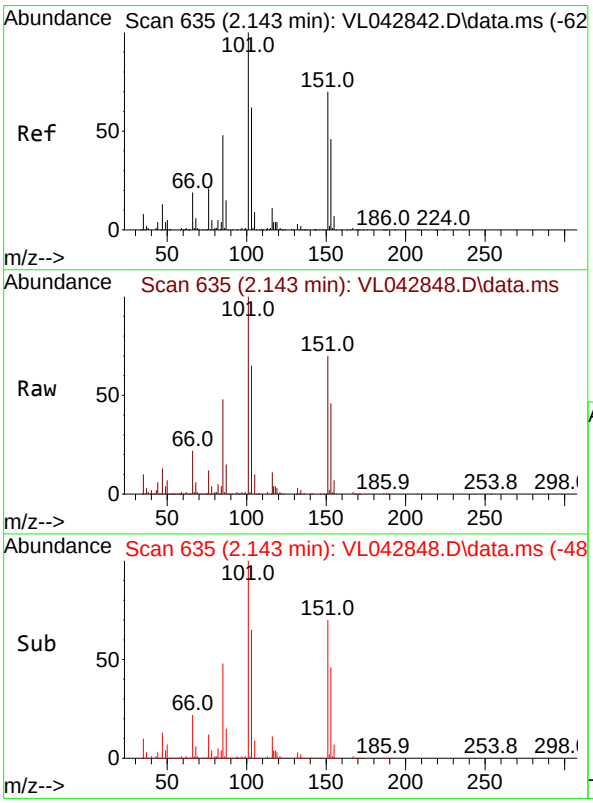
#11
Trichlorofluoromethane
Concen: 13.957 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 246354

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.5	78.7

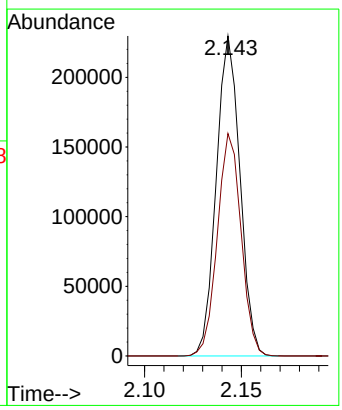


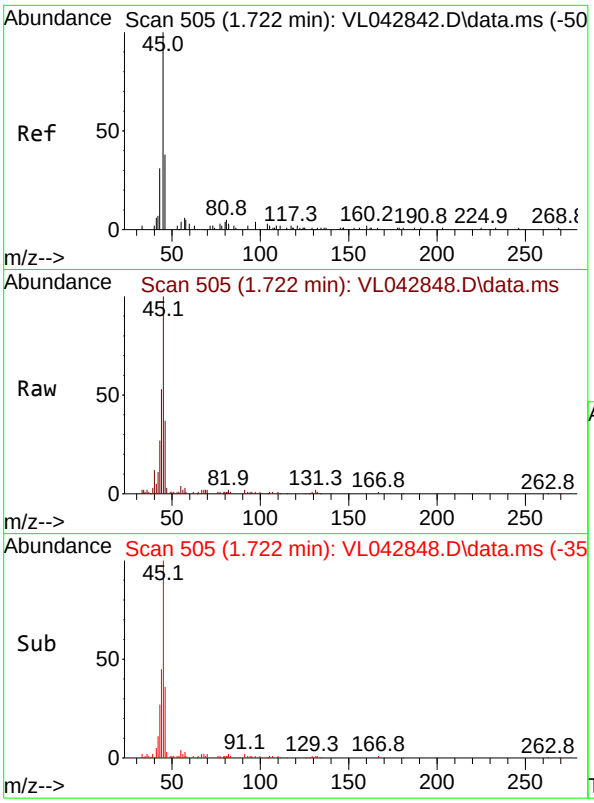


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.877 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:101 Resp: 195231

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6



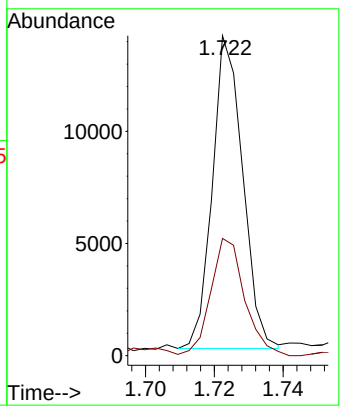


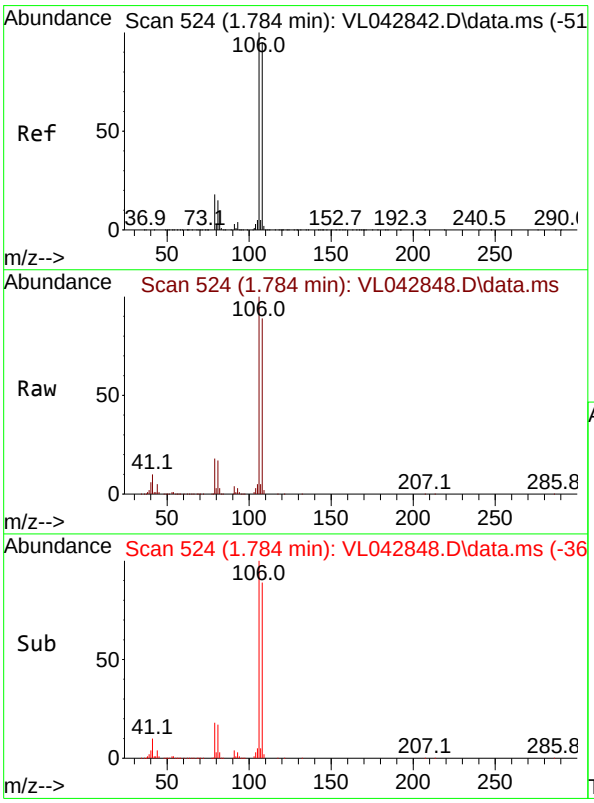
#13
Ethanol
Concen: 10.086 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 8534

Ion	Ratio	Lower	Upper
45	100		
46	42.3	17.5	69.9

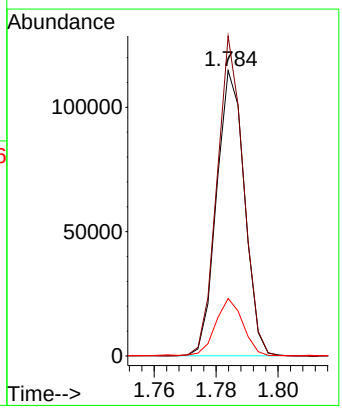


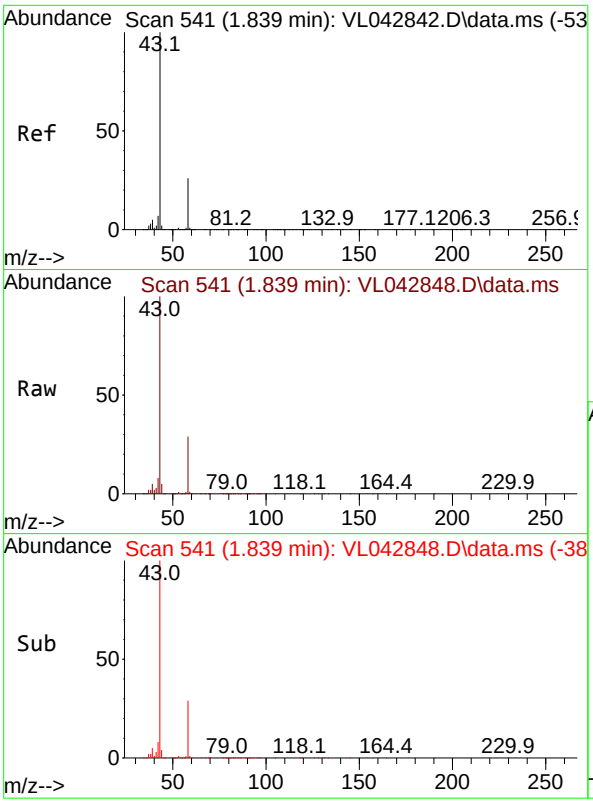


#14
Bromoethene
Concen: 14.072 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:108 Resp: 71671

Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.1	127.7
79	19.4	16.3	24.5



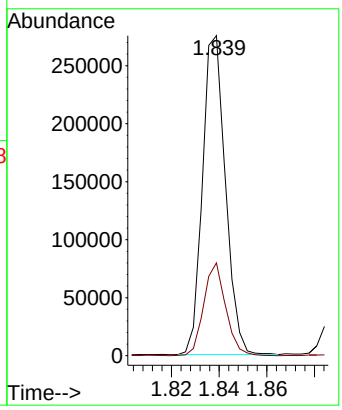


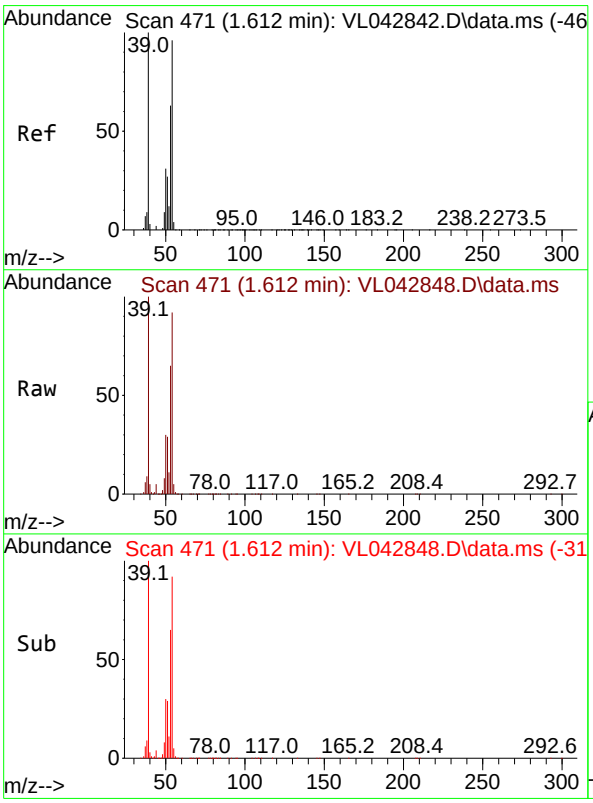
#15
Acetone
Concen: 11.402 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 184116

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6

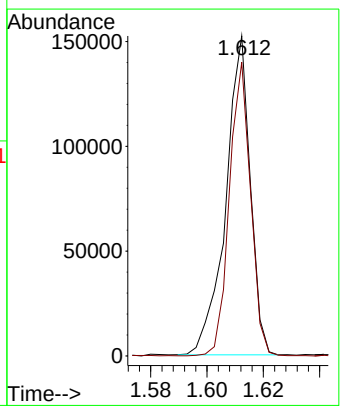


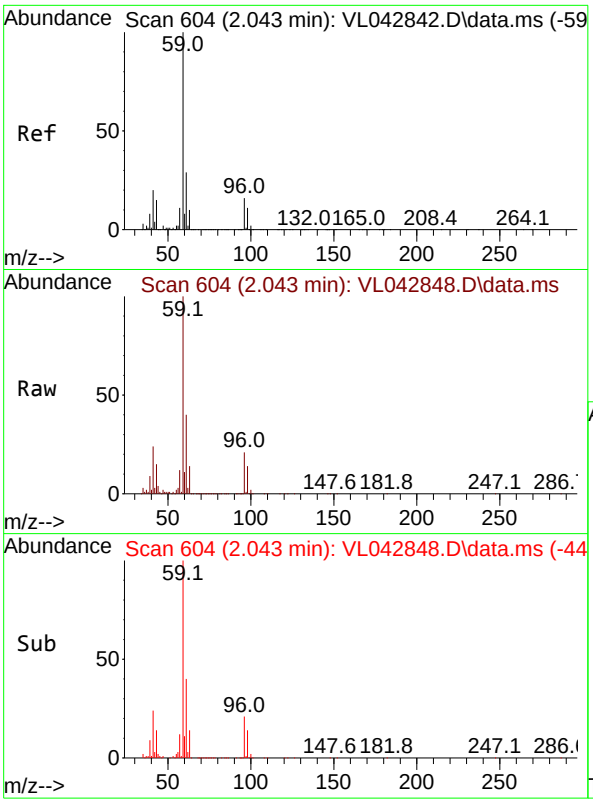


#16
1,3-Butadiene
Concen: 12.577 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 39 Resp: 92068

Ion	Ratio	Lower	Upper
39	100		
54	79.7	63.6	95.4



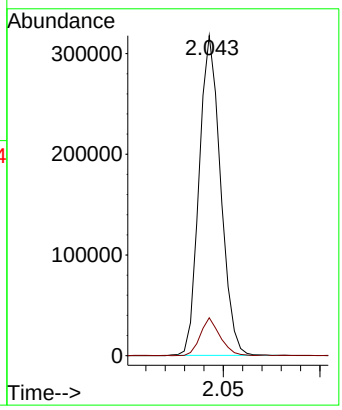


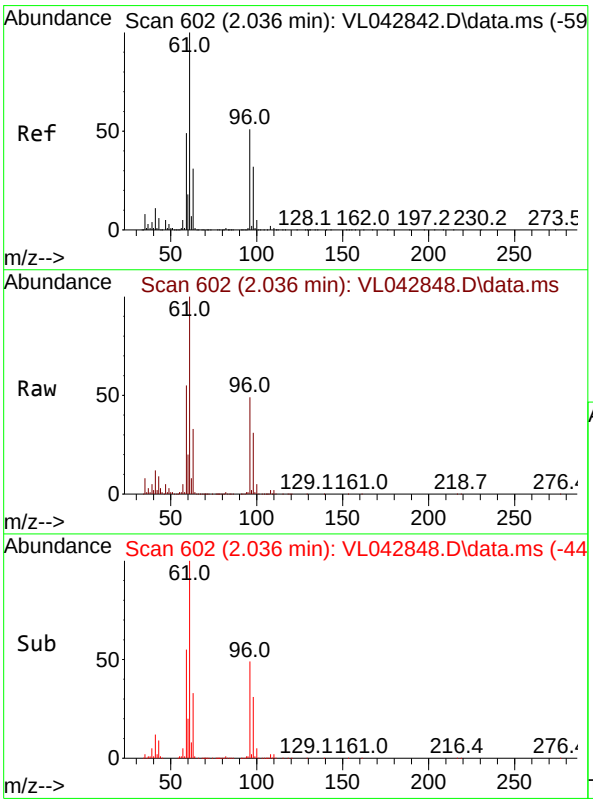
#17
tert-Butyl alcohol
Concen: 12.765 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 244441

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4

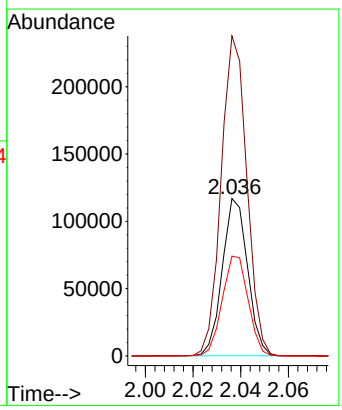


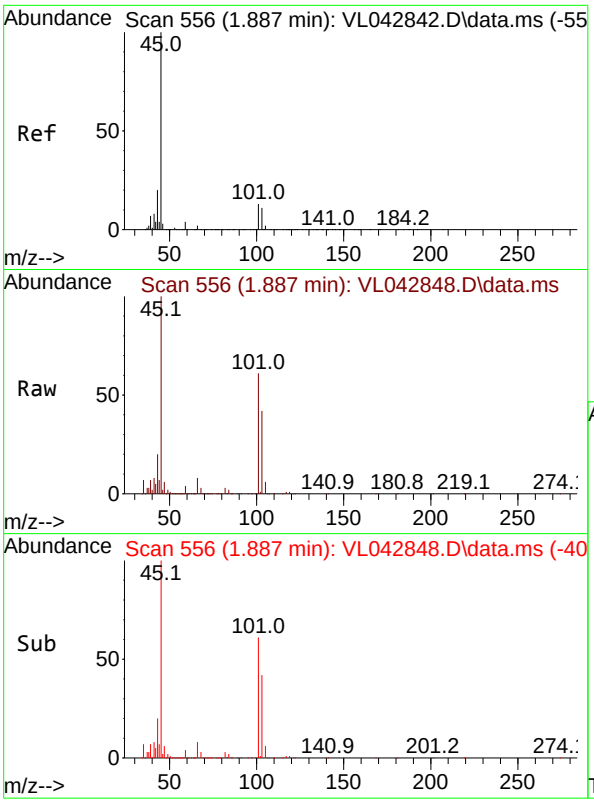


#18
1,1-Dichloroethene
Concen: 13.961 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 96 Resp: 86349

Ion	Ratio	Lower	Upper
96	100		
61	203.3	158.2	237.4
98	63.3	50.6	76.0



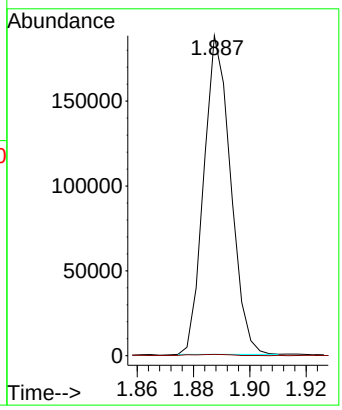


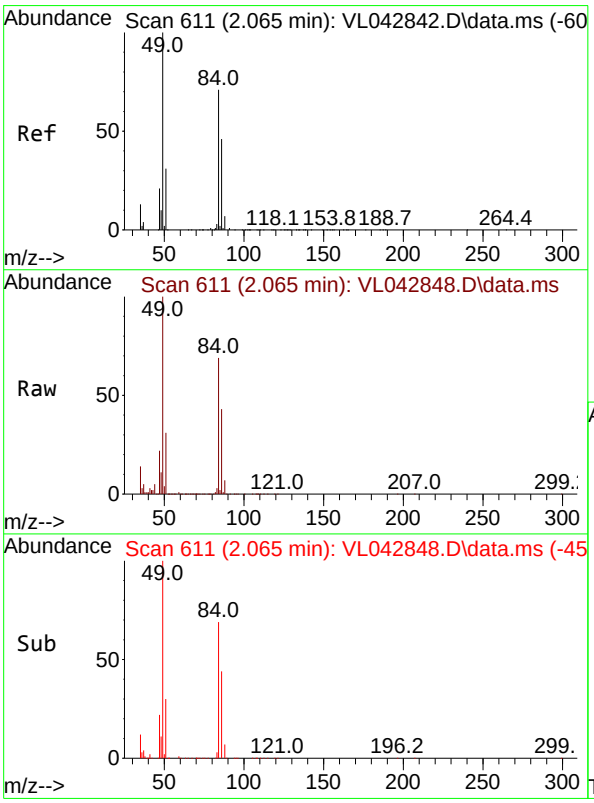
#19
Isopropyl Alcohol
Concen: 12.885 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 124270

Ion	Ratio	Lower	Upper
45	100		
58	41.3	32.7	49.1

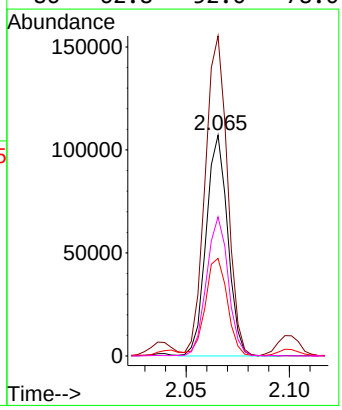


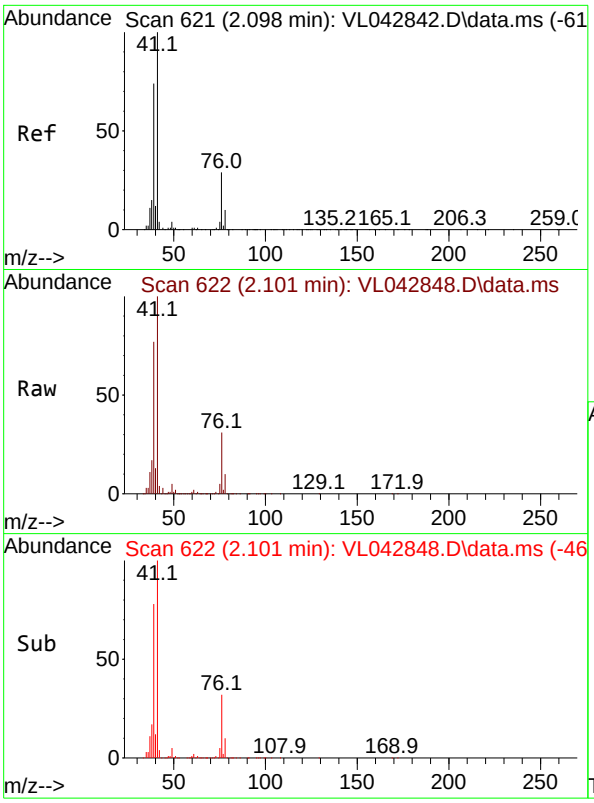


#20
Methylene Chloride
Concen: 11.494 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 84 Resp: 77749

Ion	Ratio	Lower	Upper
84	100		
49	143.1	112.3	168.5
51	42.5	36.0	54.0
86	62.8	52.0	78.0



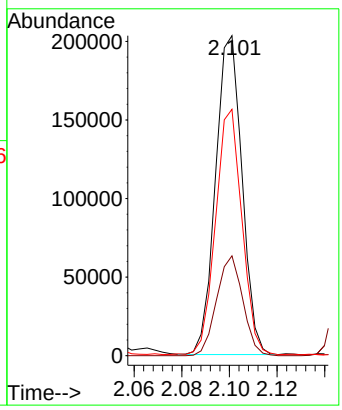


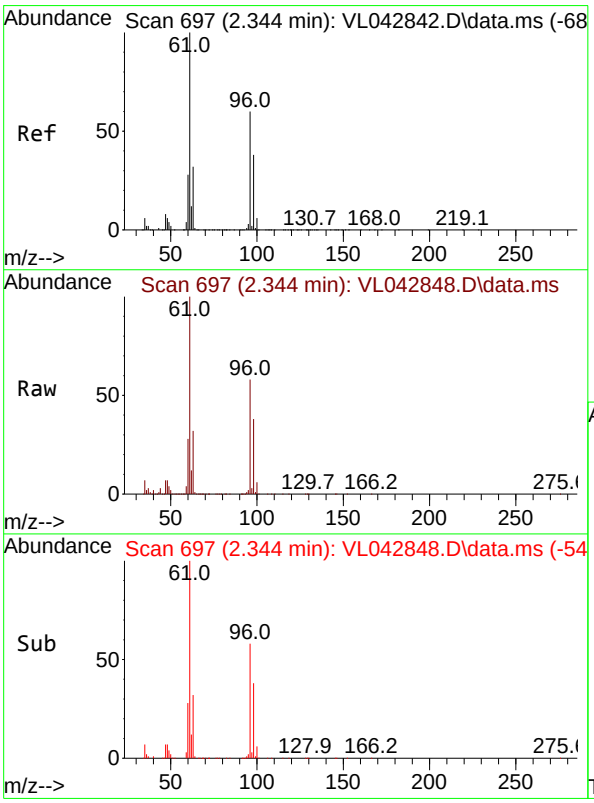
#21
Allyl Chloride
Concen: 13.703 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 156318

Ion	Ratio	Lower	Upper
41	100		
76	30.9	23.9	35.9
39	76.9	57.8	86.6

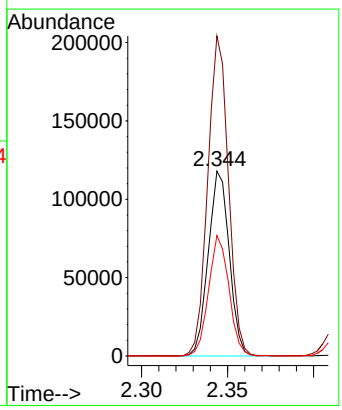


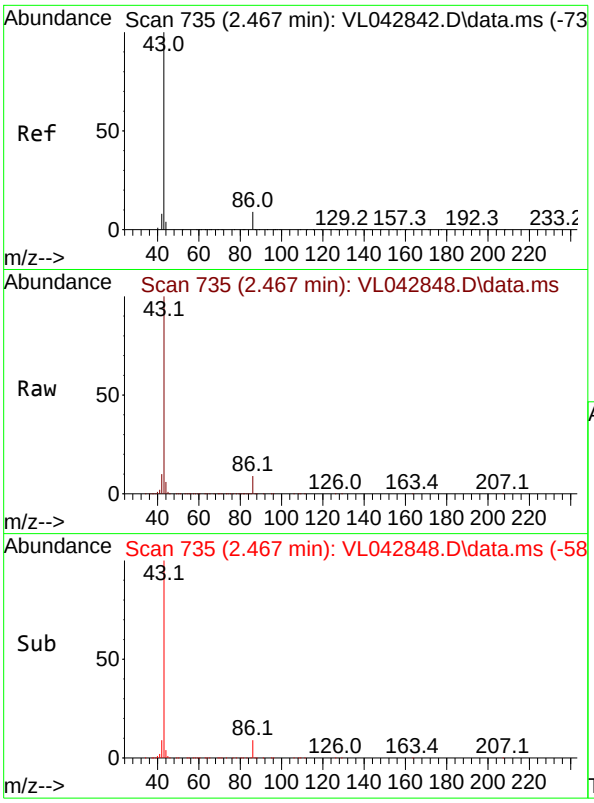


#22
trans-1,2-Dichloroethene
Concen: 14.465 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 96 Resp: 100064

Ion	Ratio	Lower	Upper
96	100		
61	173.1	132.6	199.0
98	65.2	50.0	75.0



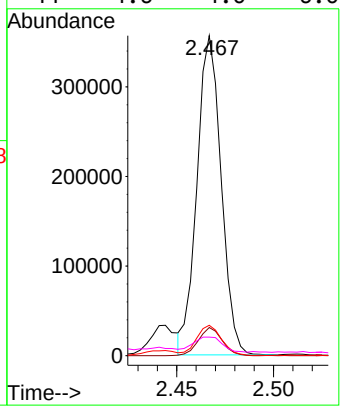


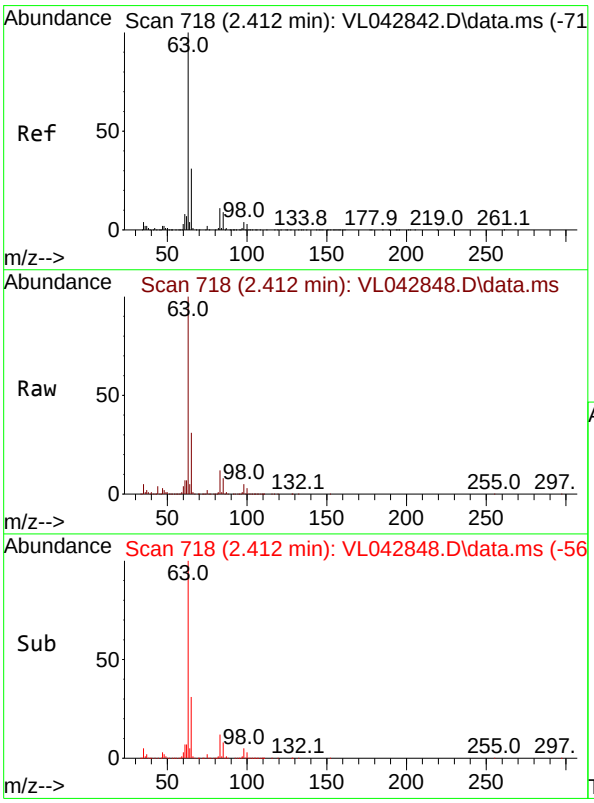
#23
Vinyl Acetate
Concen: 14.557 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 309236

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.4	7.0	10.6
44	4.6	4.0	6.0

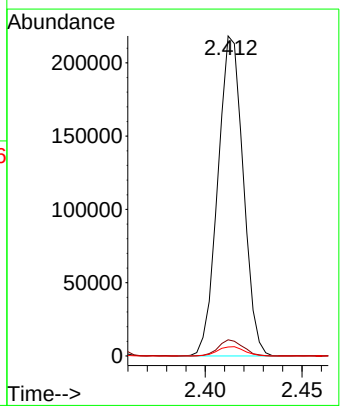


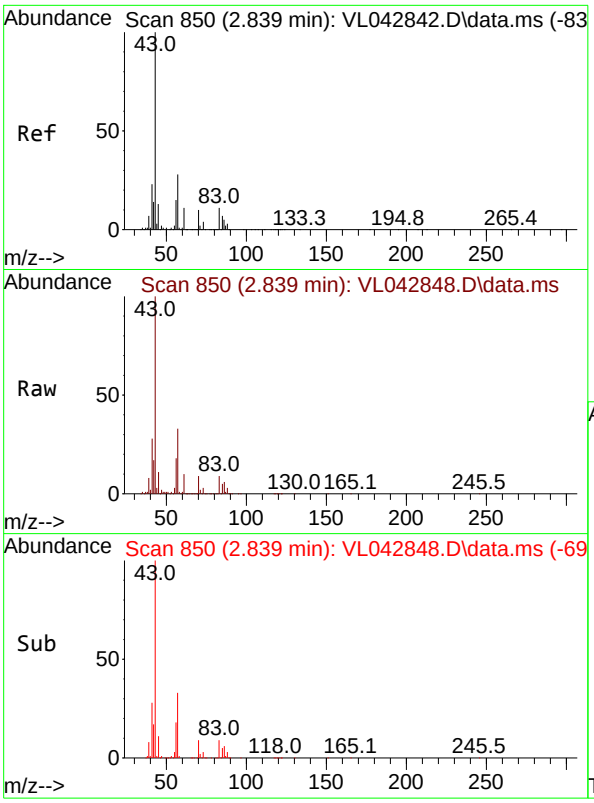


#24
1,1-Dichloroethane
Concen: 13.944 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 63 Resp: 199276

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.8	1.7	5.1



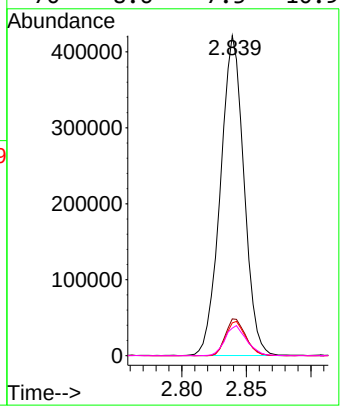


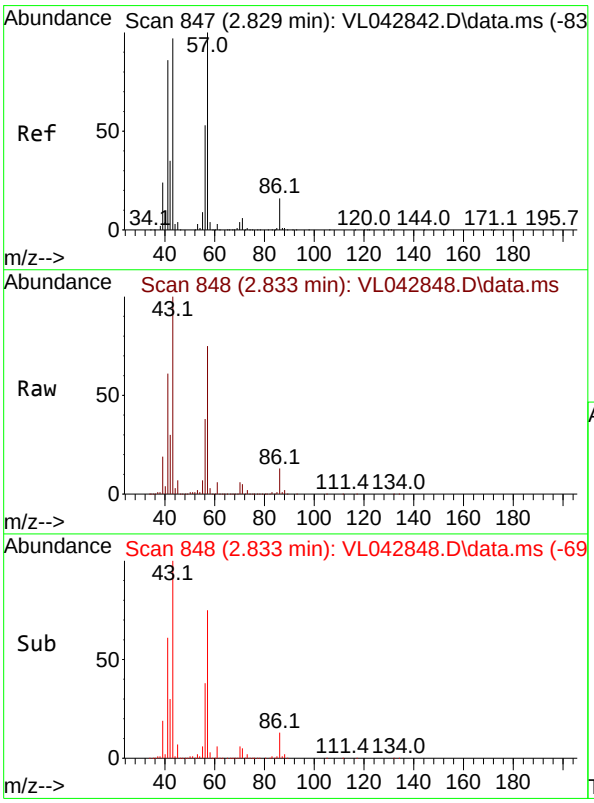
#25
Ethyl Acetate
Concen: 13.653 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 533600

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.2	7.4	11.2
70	8.6	7.3	10.9

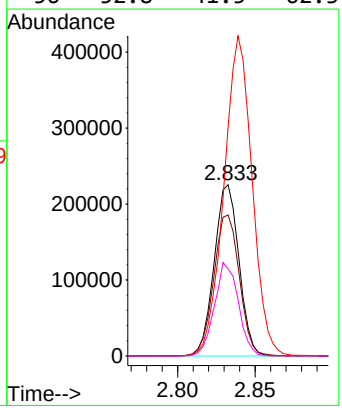


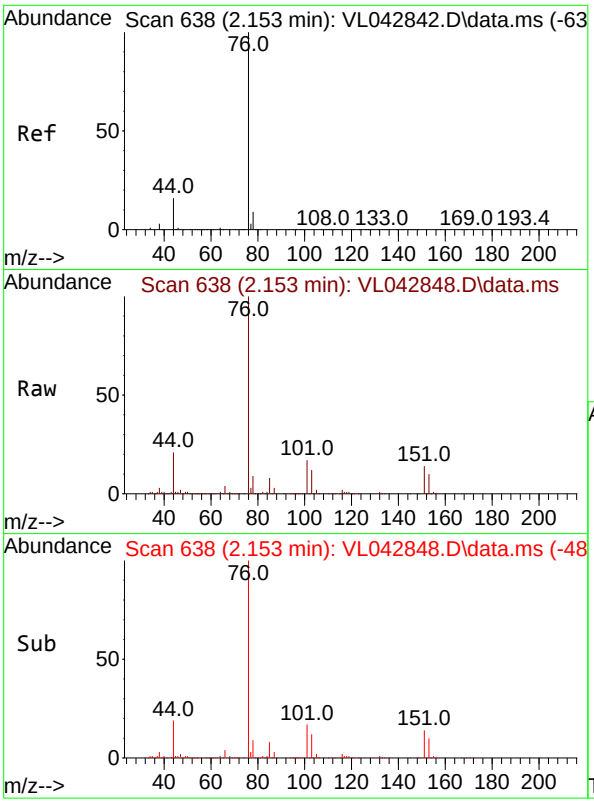


#26
Hexane
Concen: 13.869 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 250189

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	214.3	168.5	252.7
56	52.8	41.5	62.3



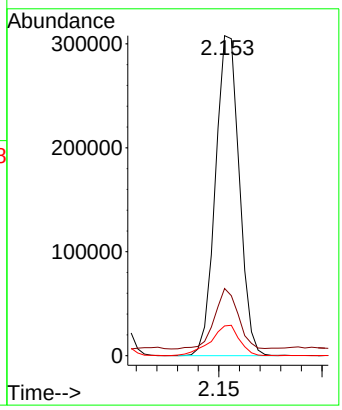


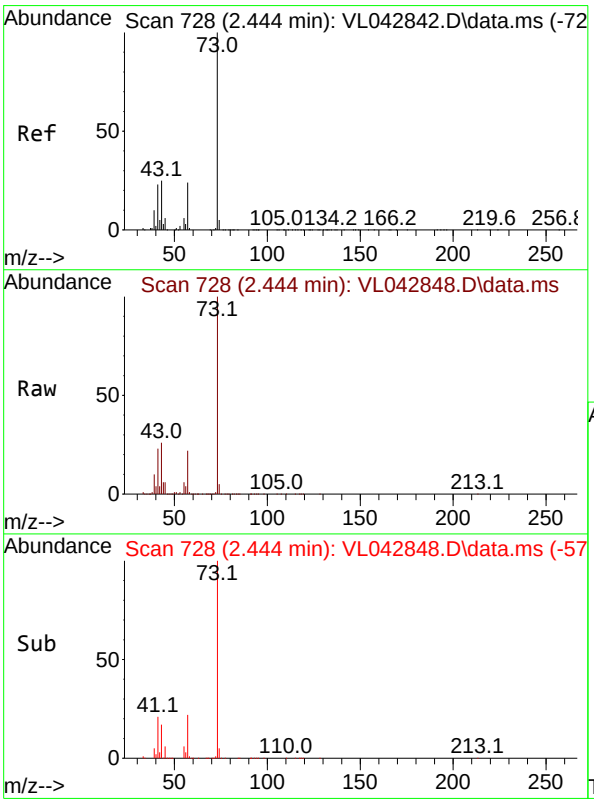
#27
Carbon Disulfide
Concen: 14.062 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 246868

Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.9	23.9
78	11.4	9.5	14.3

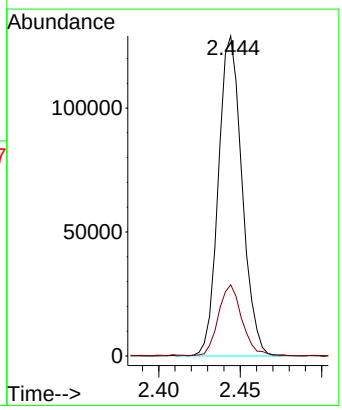


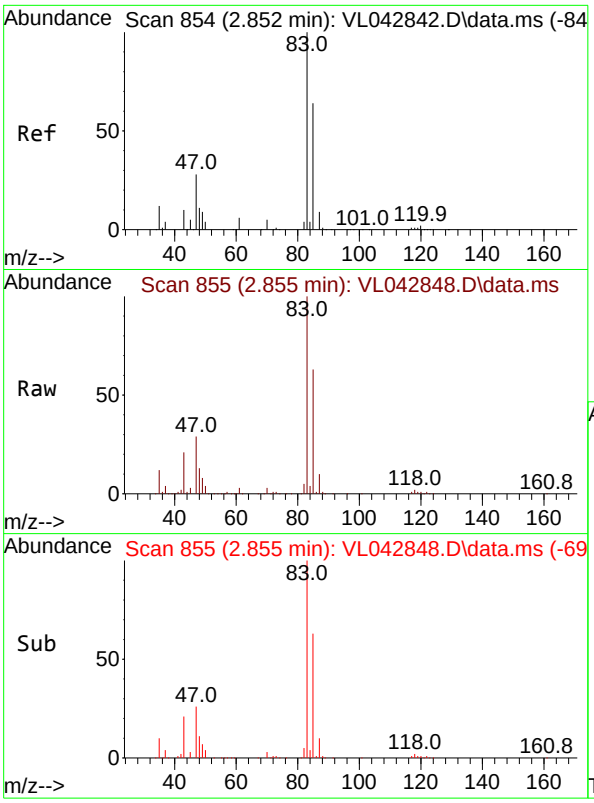


#28
Methyl tert-Butyl Ether
Concen: 14.131 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 73 Resp: 129978

Ion	Ratio	Lower	Upper
73	100		
57	22.5	21.6	32.4



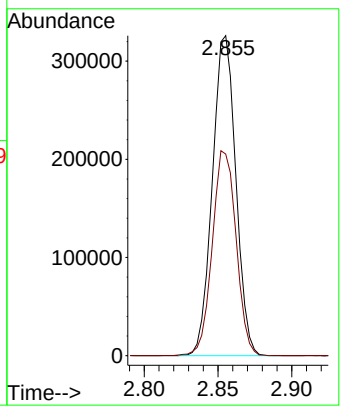


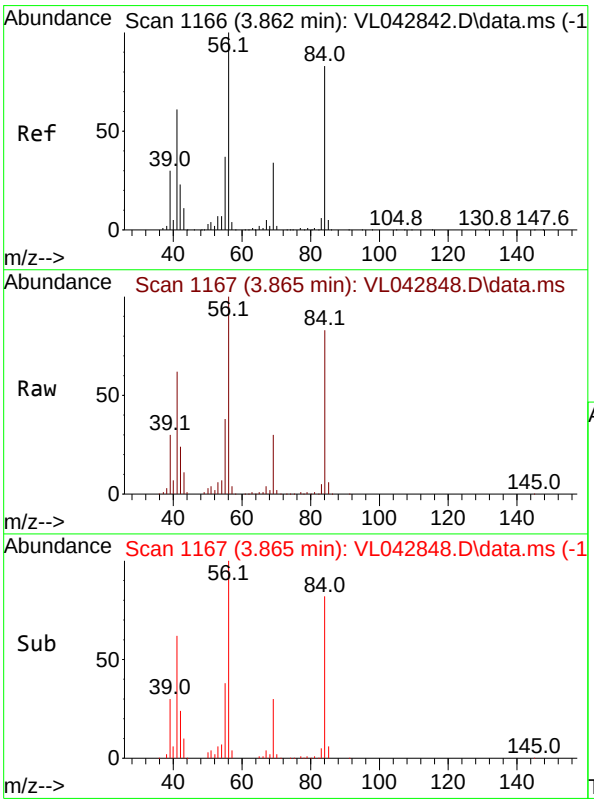
#29
Chloroform
Concen: 14.003 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 360661

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7

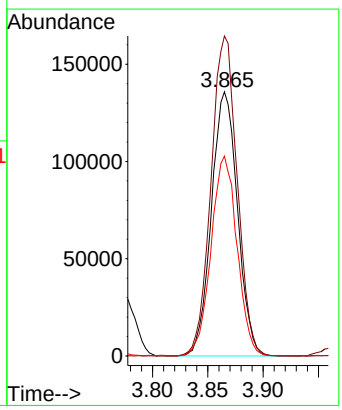


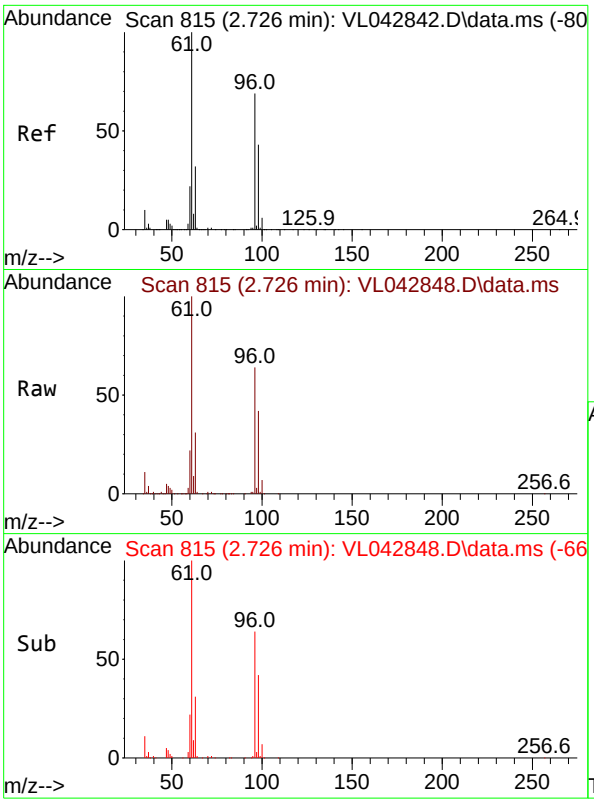


#30
Cyclohexane
Concen: 14.088 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 84 Resp: 222820

Ion	Ratio	Lower	Upper
84	100		
56	121.5	98.8	148.2
41	75.1	61.3	91.9



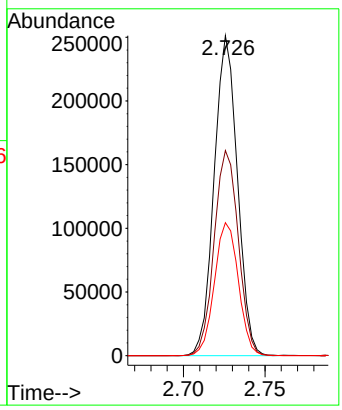


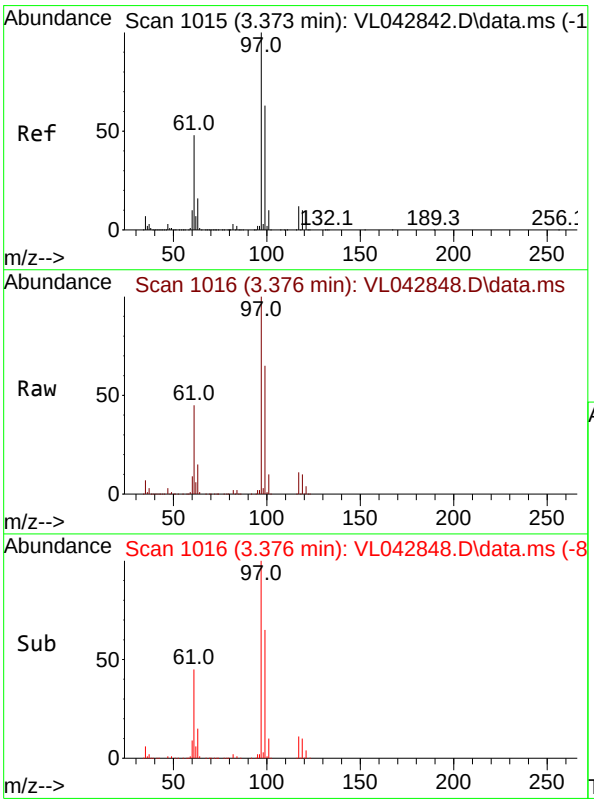
#31
cis-1,2-Dichloroethene
Concen: 13.821 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 249376

Ion	Ratio	Lower	Upper
61	100		
96	64.1	55.0	82.6
98	41.6	34.3	51.5

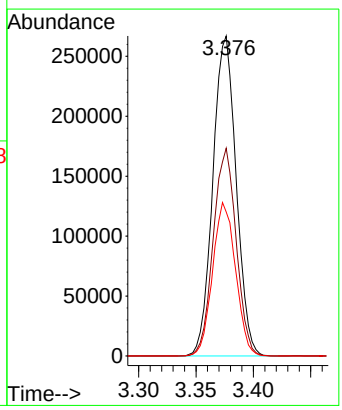


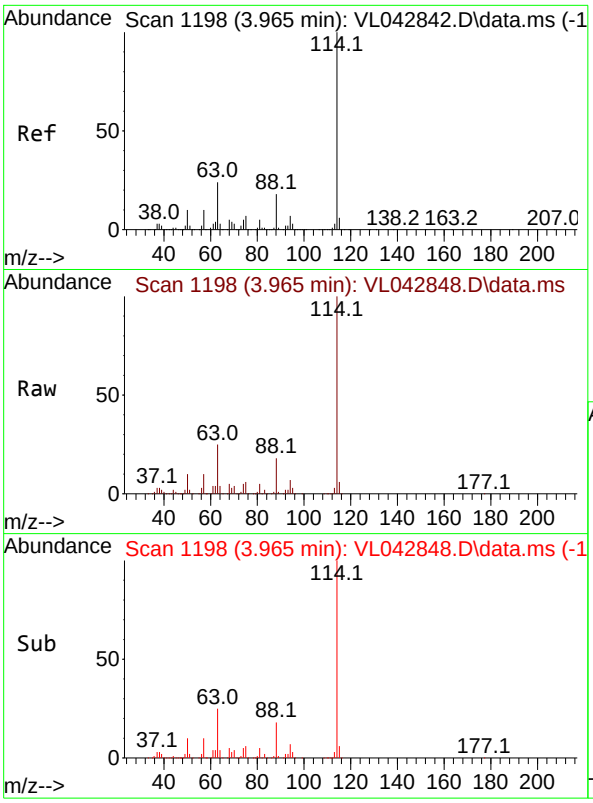


#32
1,1,1-Trichloroethane
Concen: 13.851 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 97 Resp: 377739

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	47.2	38.0	57.0



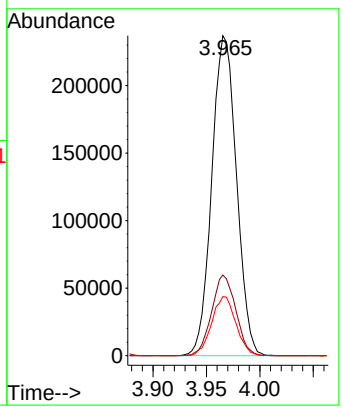


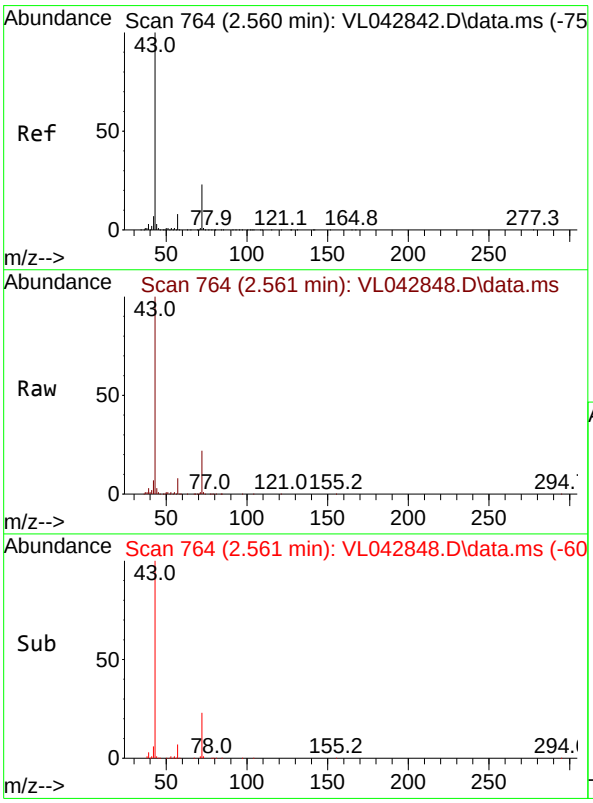
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 380877

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6

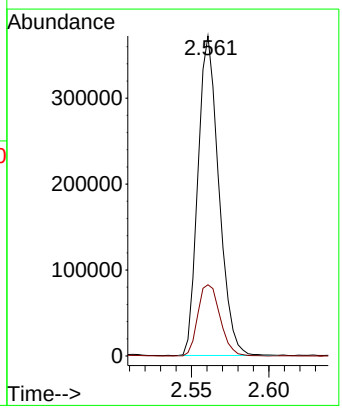


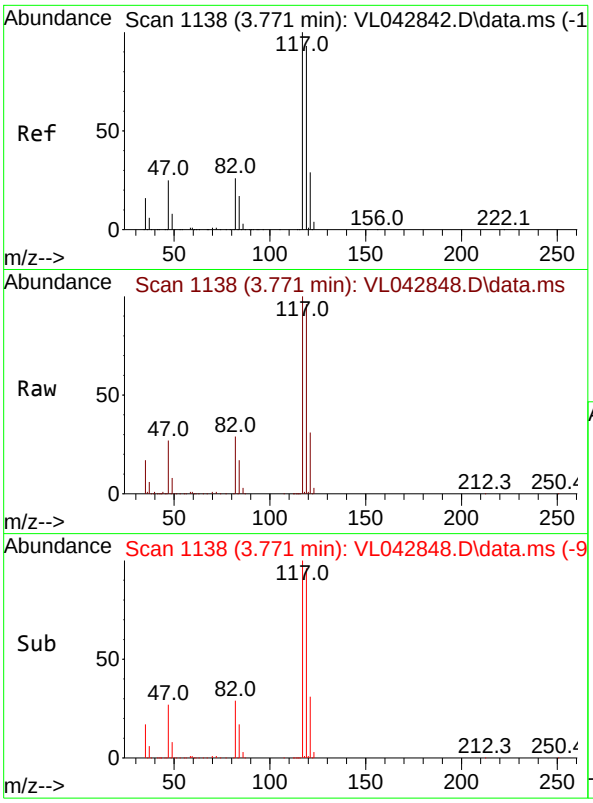


#34
2-Butanone
Concen: 13.563 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 348815

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0



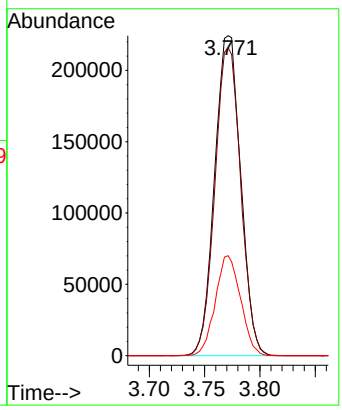


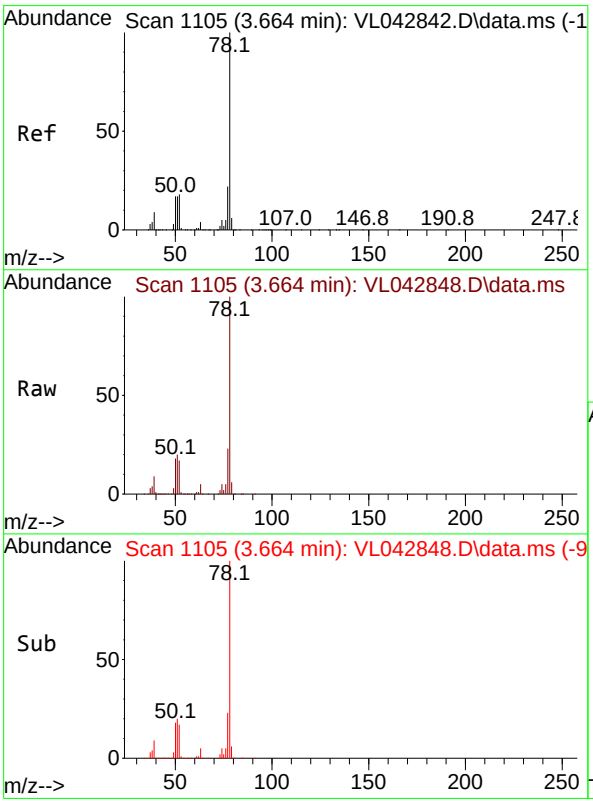
#35
Carbon Tetrachloride
Concen: 13.990 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 367354

Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.7	112.1
121	31.2	23.2	34.8

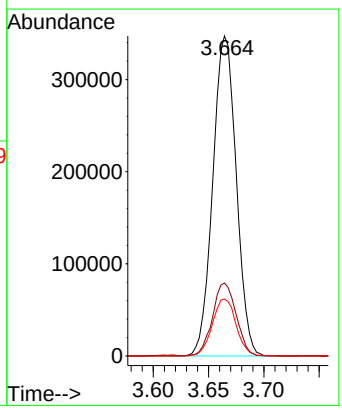


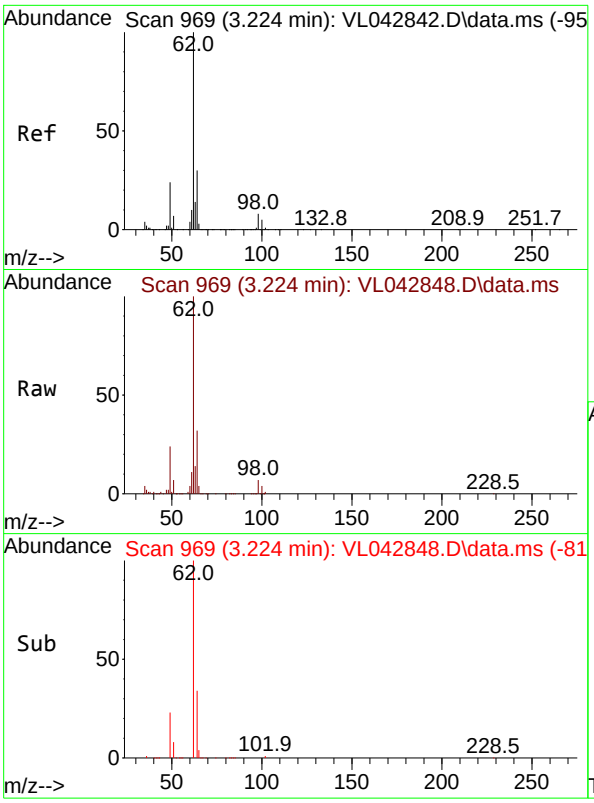


#36
Benzene
Concen: 14.033 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 78 Resp: 511811

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.7	26.5
50	17.8	13.9	20.9



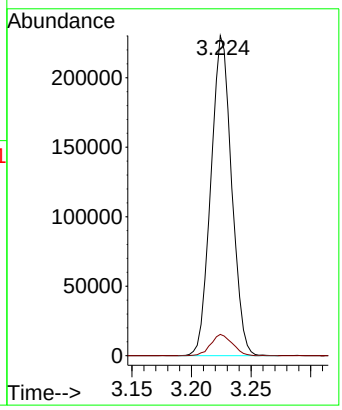


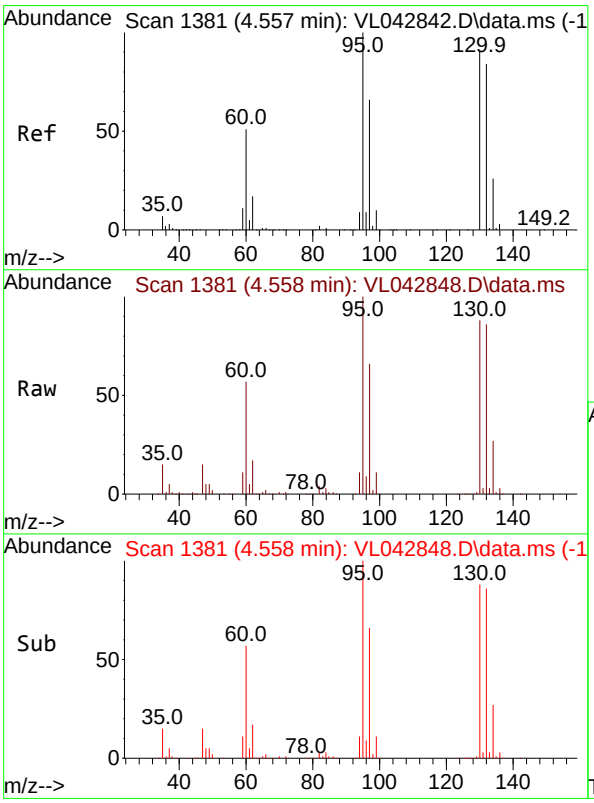
#37
1,2-Dichloroethane
Concen: 14.639 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 278934

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.9	8.9

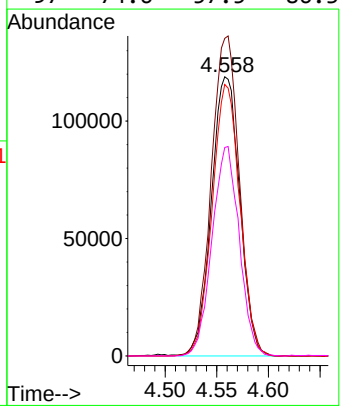


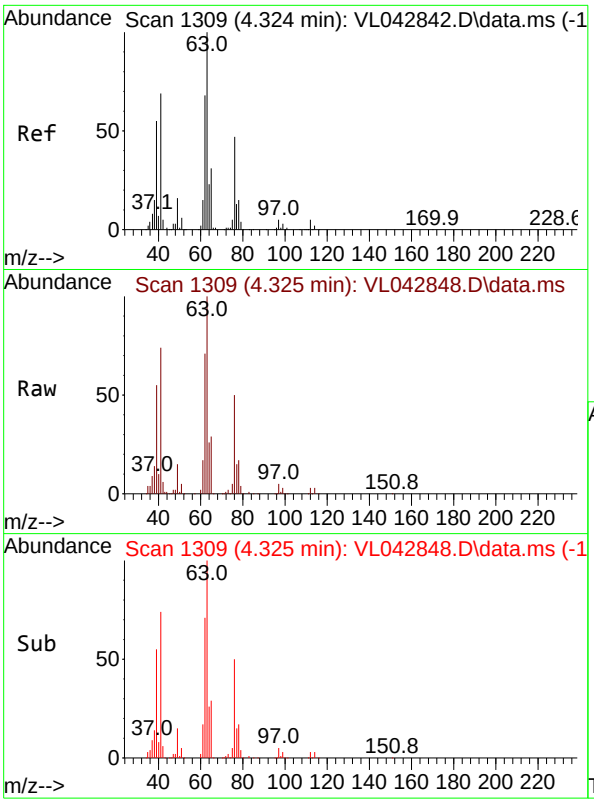


#38
Trichloroethene
Concen: 13.634 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:130 Resp: 227091

Ion	Ratio	Lower	Upper
130	100		
95	113.8	87.6	131.4
132	97.3	73.8	110.8
97	74.6	57.5	86.3



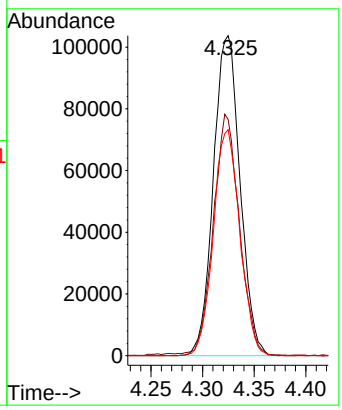


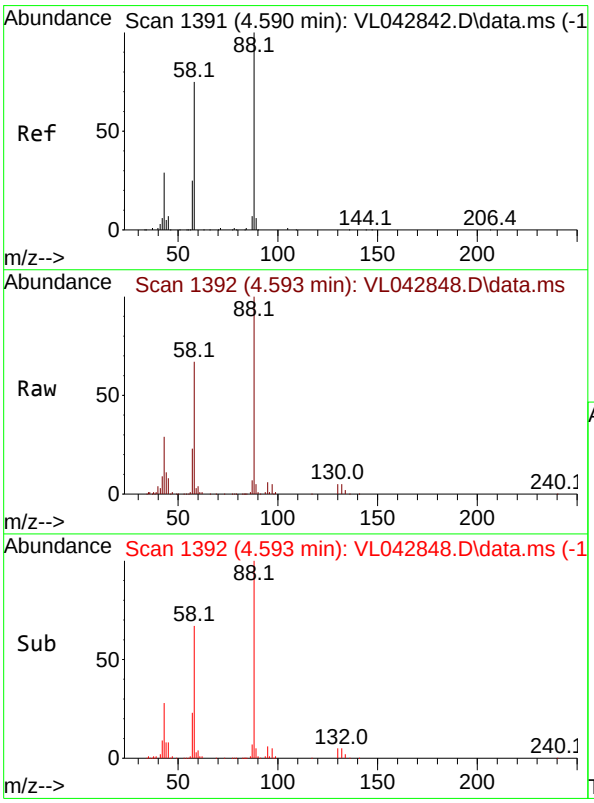
#39
1,2-Dichloropropane
Concen: 13.984 ppbv
RT: 4.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 186277

Ion	Ratio	Lower	Upper
63	100		
41	73.5	55.0	82.4
62	70.6	54.4	81.6

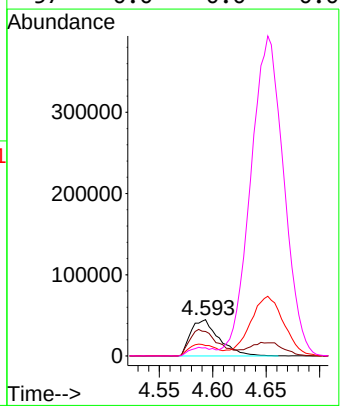


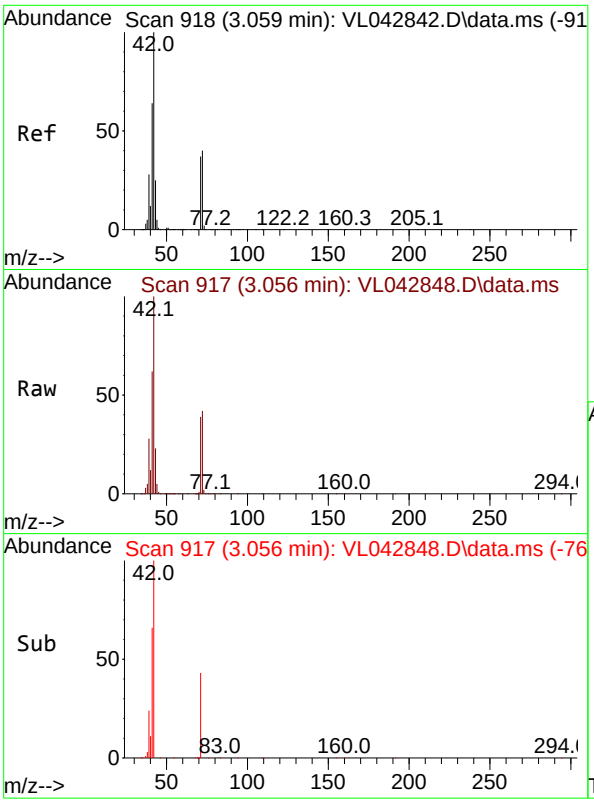


#40
1,4-Dioxane
Concen: 13.212 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 88 Resp: 82385

Ion	Ratio	Lower	Upper
88	100		
58	73.5	53.8	80.6
43	33.9	22.8	34.2
57	0.0	0.0	0.0



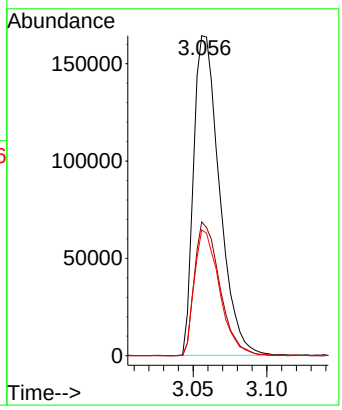


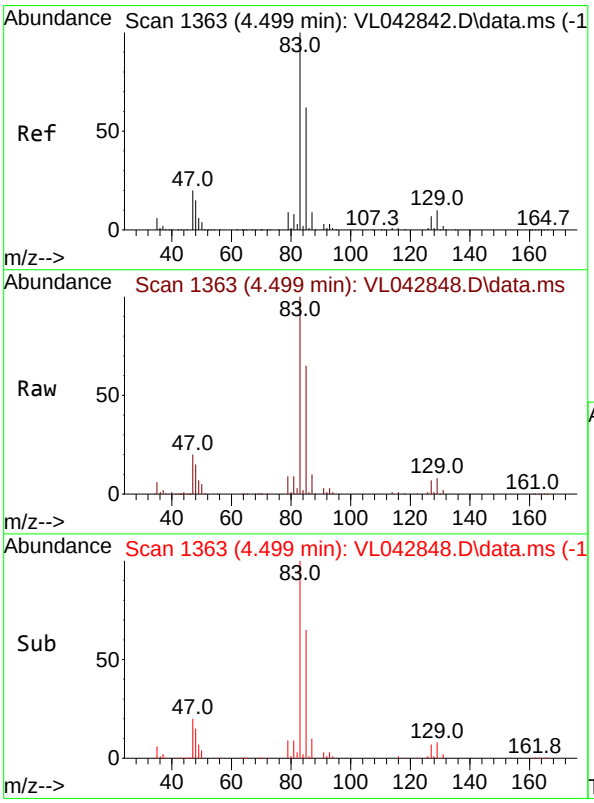
#41
Tetrahydrofuran
Concen: 14.001 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 200751

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.6	48.8
71	38.4	30.0	45.0

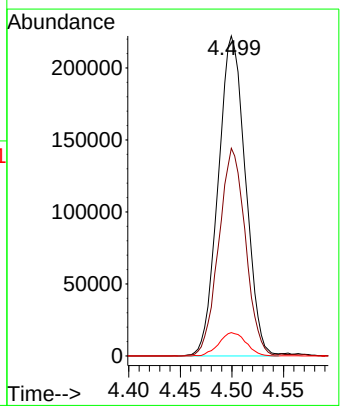


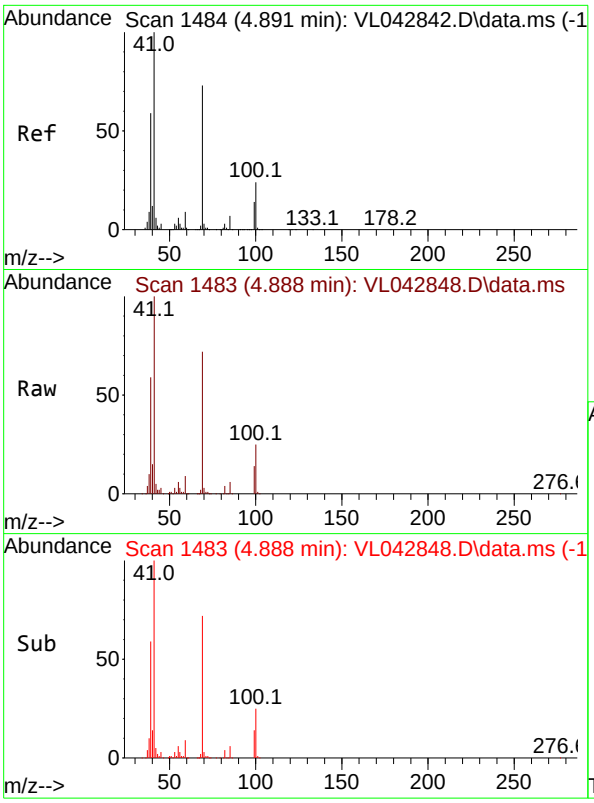


#42
Bromodichloromethane
Concen: 14.372 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 83 Resp: 408089

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.8	74.8
127	7.3	5.8	8.6



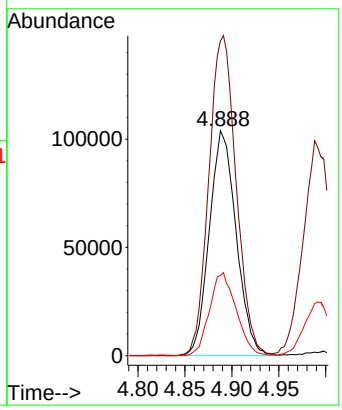


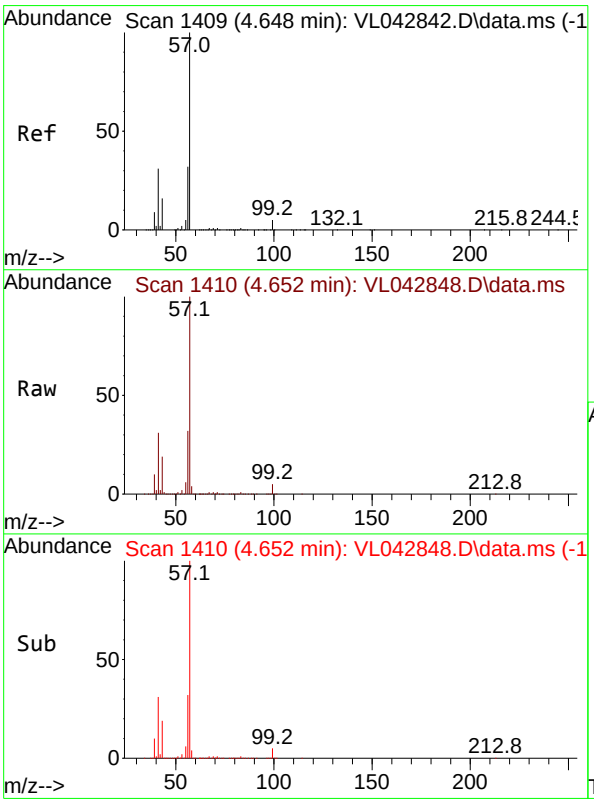
#43
Methyl Methacrylate
Concen: 13.808 ppbv
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 206590

Ion	Ratio	Lower	Upper
69	100		
41	144.8	114.6	172.0
100	36.8	30.2	45.4

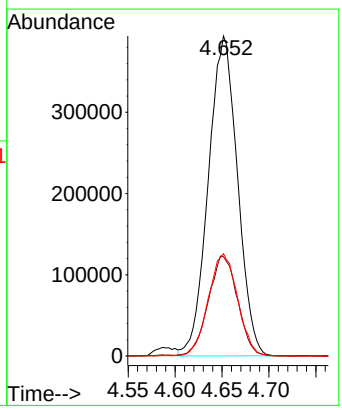


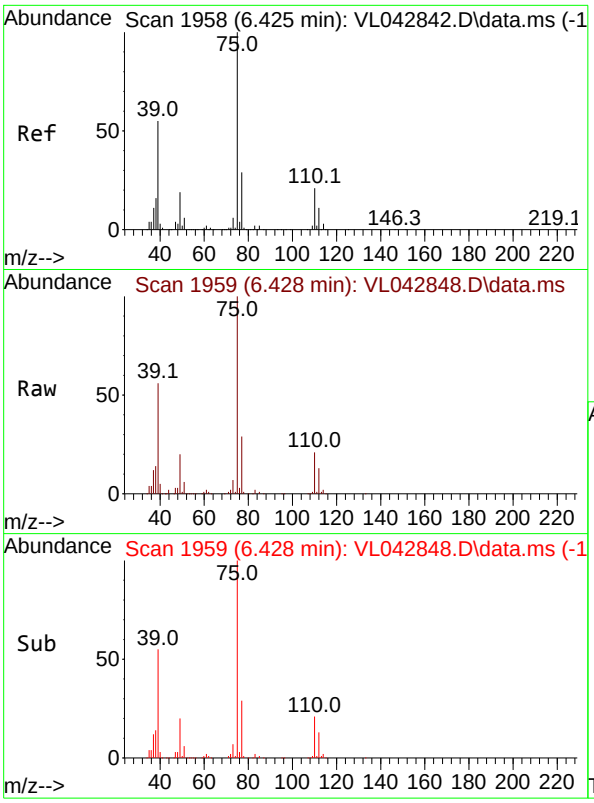


#44
2,2,4-Trimethylpentane
Concen: 13.895 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 850847

Ion	Ratio	Lower	Upper
57	100		
41	31.5	24.8	37.2
56	32.1	25.5	38.3



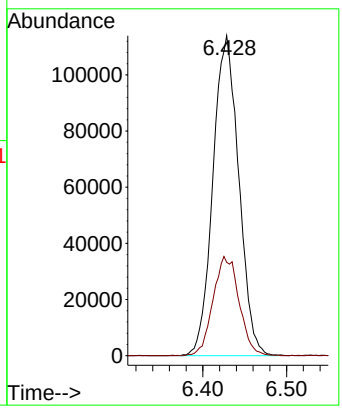


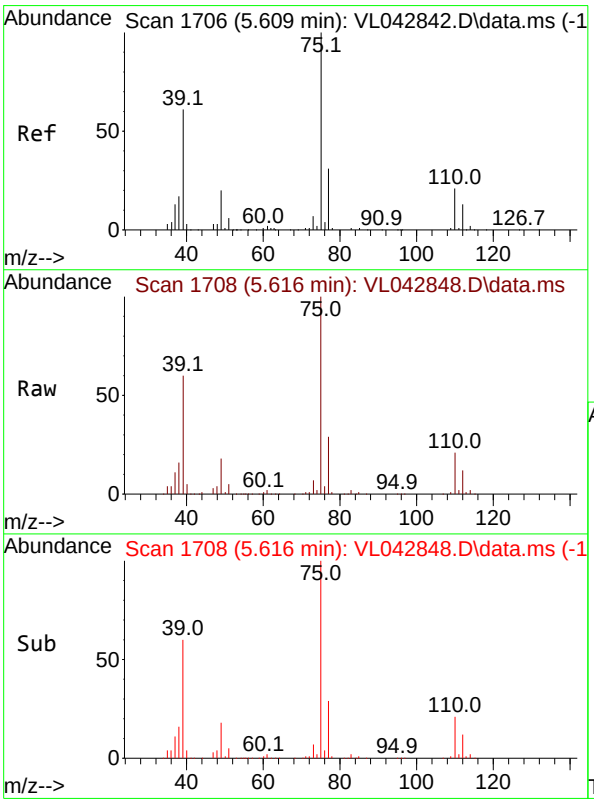
#45
t-1,3-Dichloropropene
Concen: 14.387 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 244117

Ion	Ratio	Lower	Upper
75	100		
77	29.2	23.8	35.6

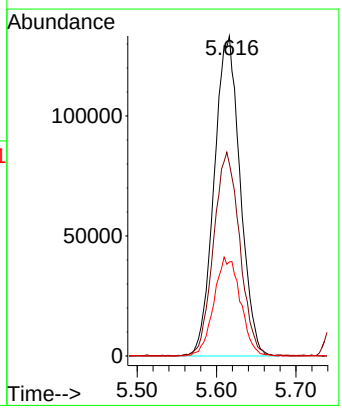


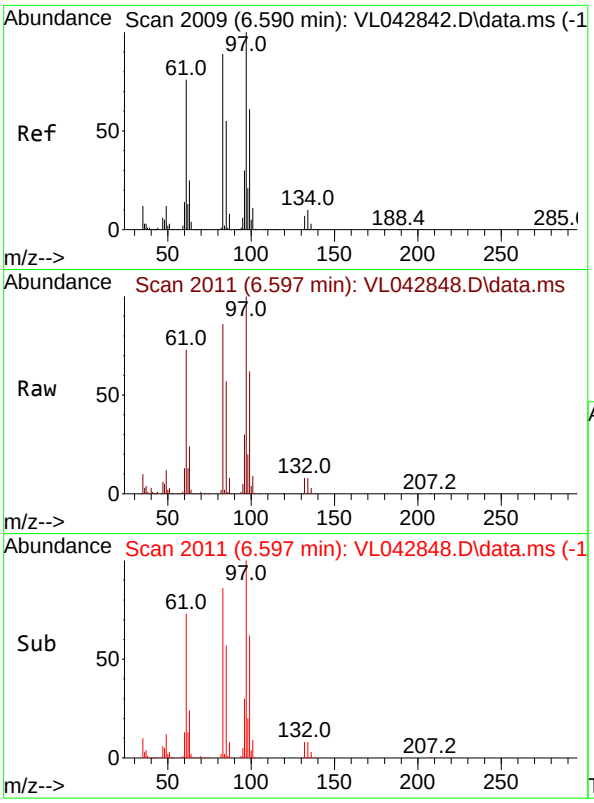


#46
cis-1,3-Dichloropropene
Concen: 14.191 ppbv
RT: 5.616 min Scan# 1708
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 75 Resp: 302339

Ion	Ratio	Lower	Upper
75	100		
39	59.9	48.9	73.3
77	29.4	24.9	37.3



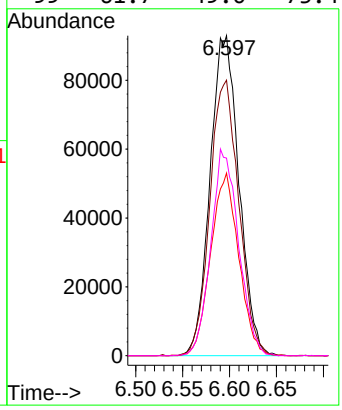


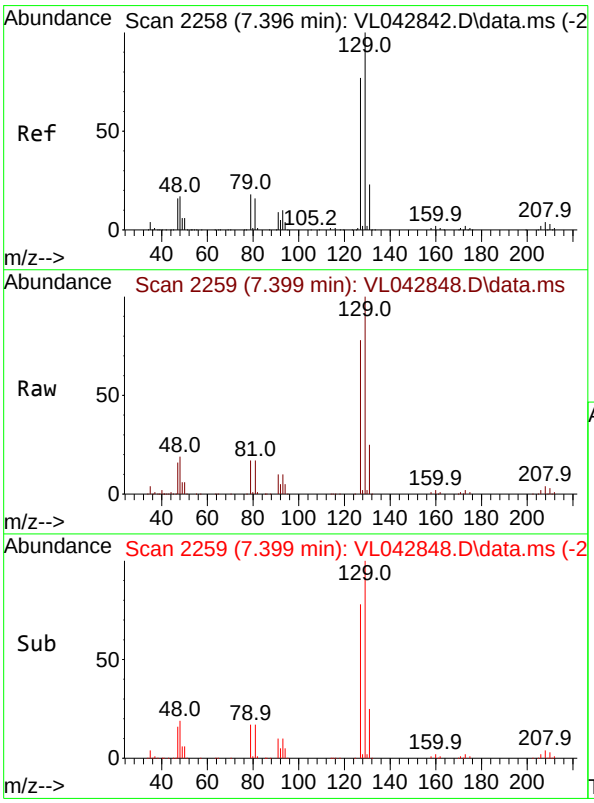
#47
1,1,2-Trichloroethane
Concen: 14.118 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 199067

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	57.0	43.6	65.4
99	61.7	49.0	73.4

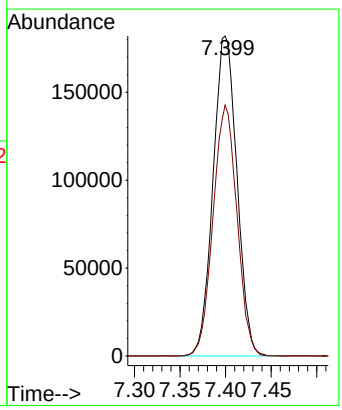


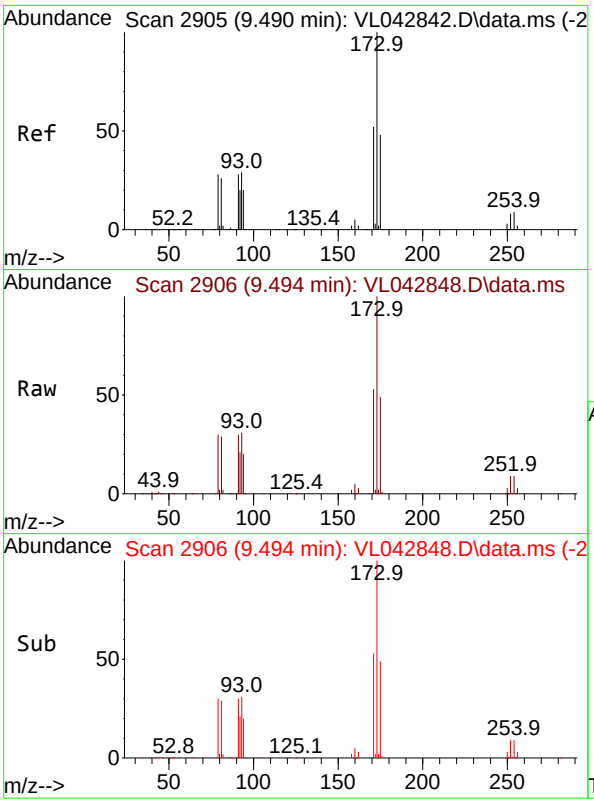


#48
Dibromochloromethane
Concen: 14.535 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:129 Resp: 331947

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2



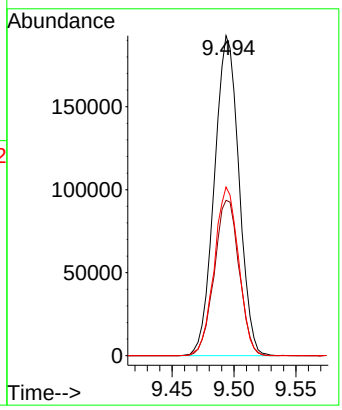


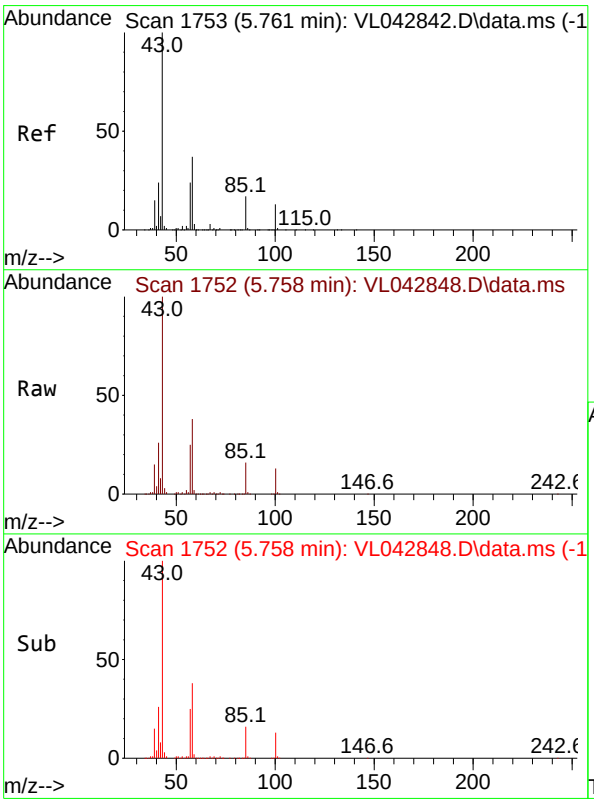
#49
Bromoform
Concen: 14.162 ppbv
RT: 9.494 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 266732

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.2	58.8
171	52.1	41.3	61.9

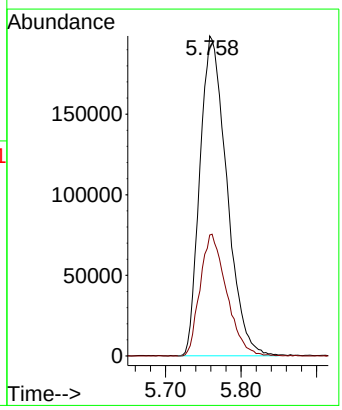


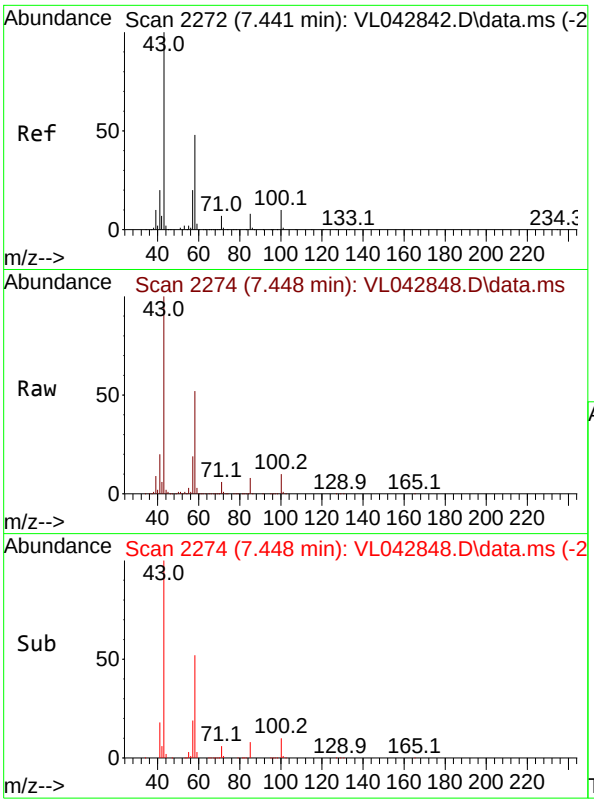


#50
4-Methyl-2-Pentanone
Concen: 14.073 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 43 Resp: 490917

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.8	44.8



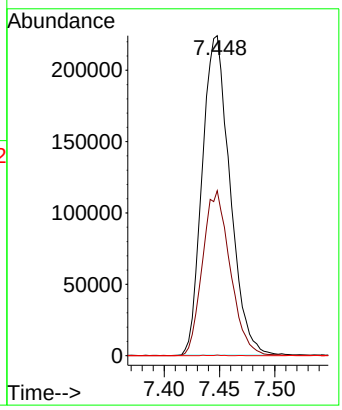


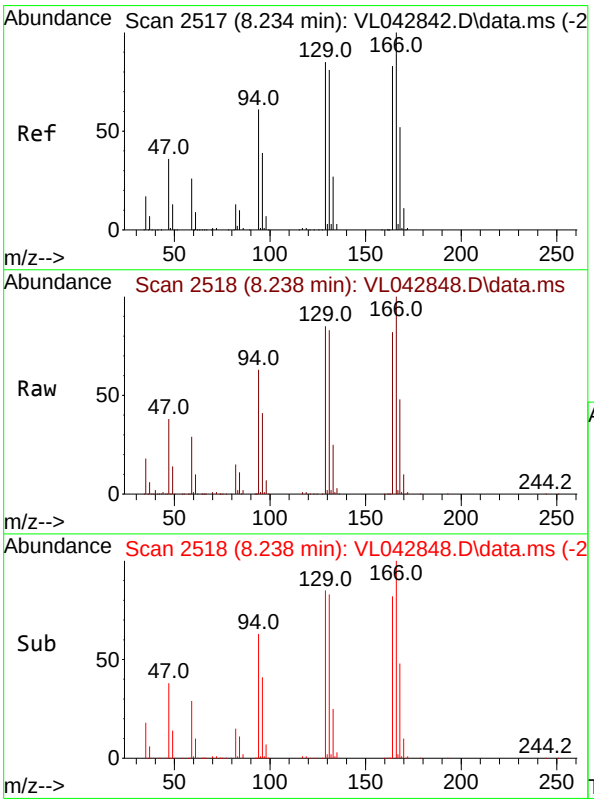
#51
2-Hexanone
Concen: 14.255 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 389940

Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.0	61.6
98	0.1	0.1	0.1

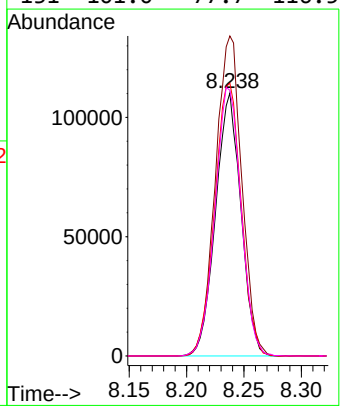


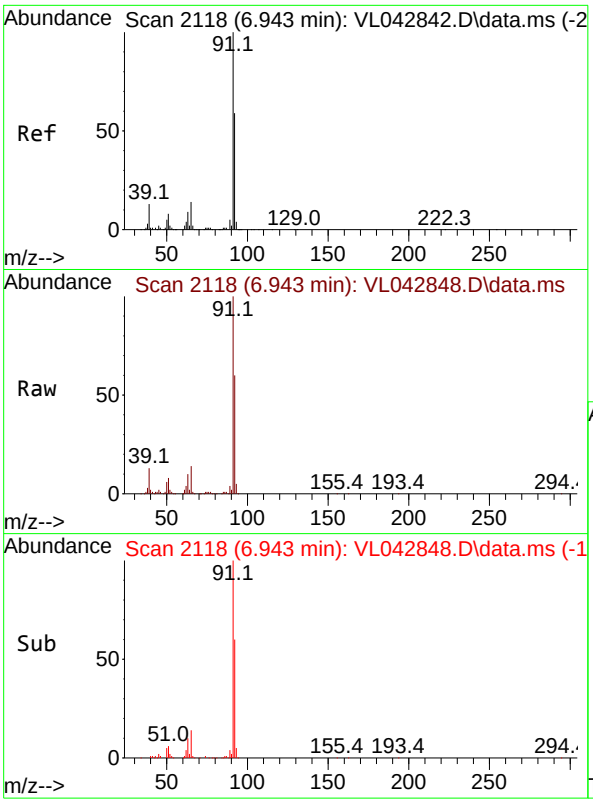


#52
Tetrachloroethene
Concen: 12.772 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:164 Resp: 168712

Ion	Ratio	Lower	Upper
164	100		
166	121.7	96.5	144.7
129	103.7	81.8	122.6
131	101.0	77.7	116.5



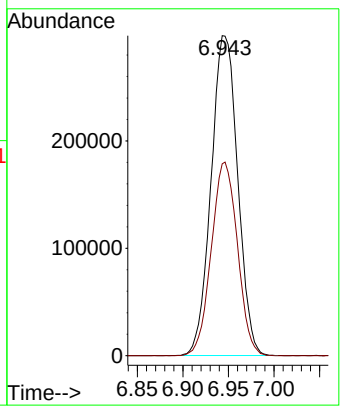


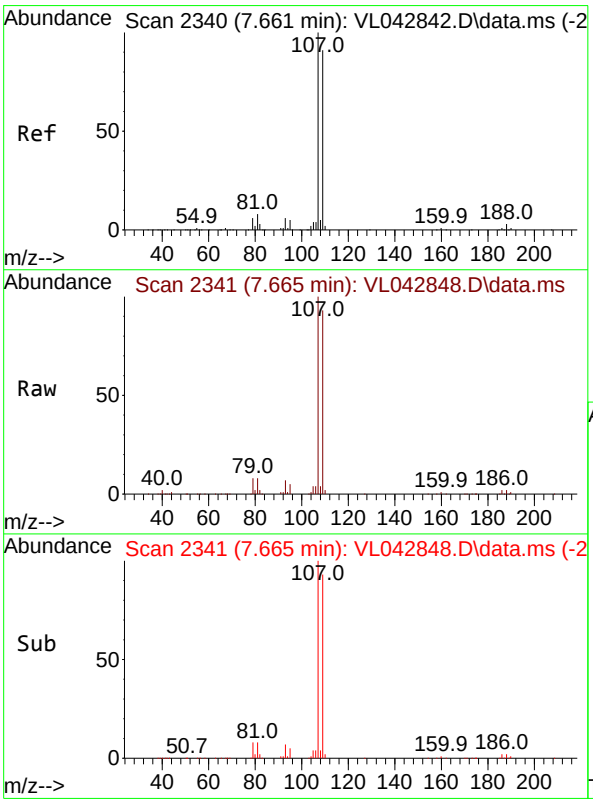
#53
Toluene
Concen: 13.961 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 605941

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.8	71.6

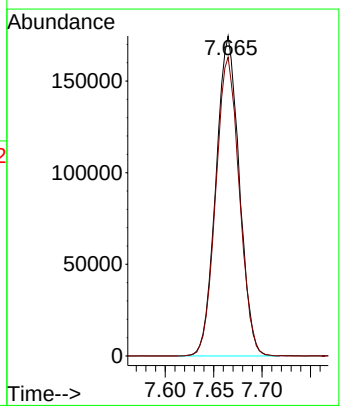


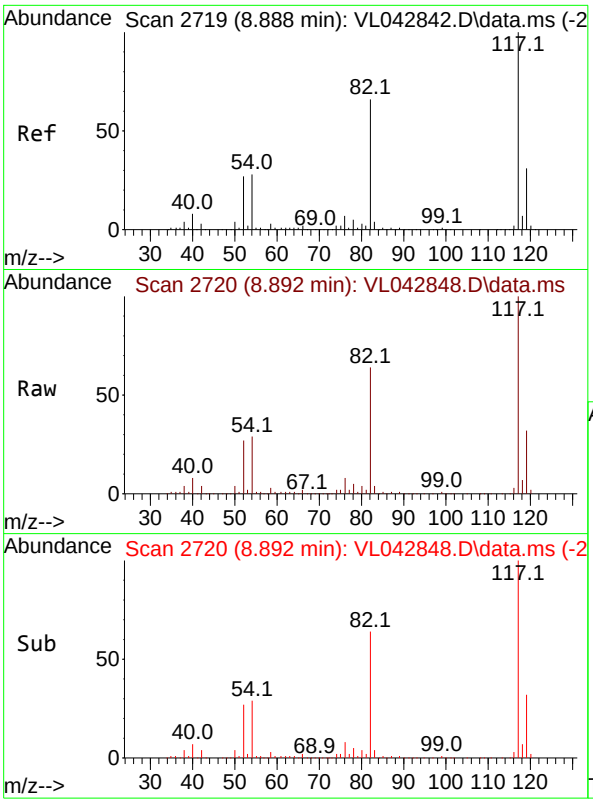


#54
1,2-Dibromoethane
Concen: 14.173 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:107 Resp: 292327

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.5	108.7



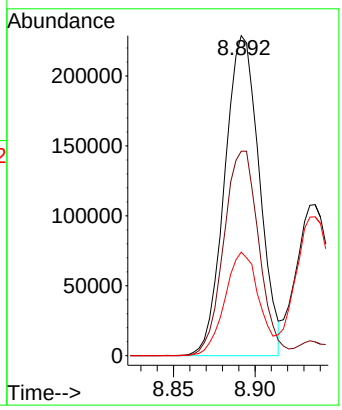


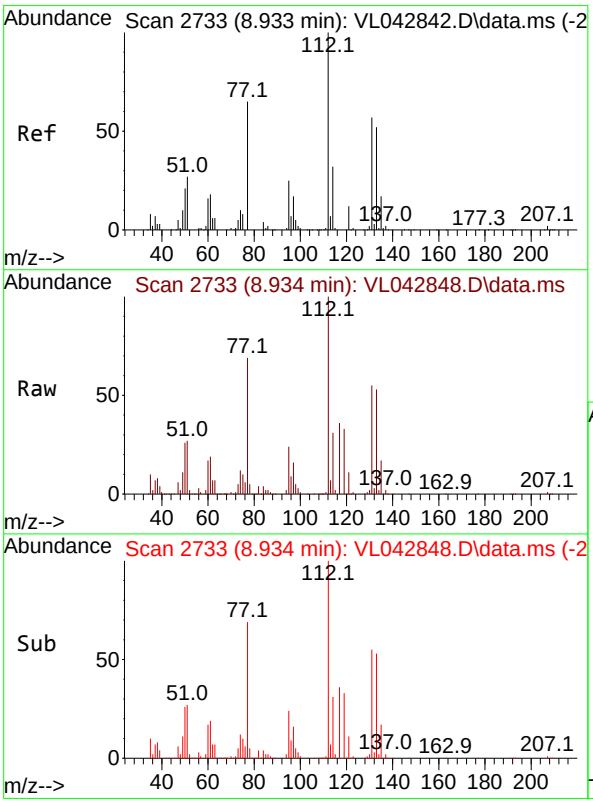
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 337876

Ion	Ratio	Lower	Upper
117	100		
82	65.3	54.6	81.8
119	32.5	25.9	38.9

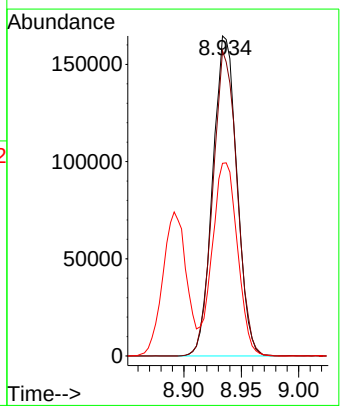


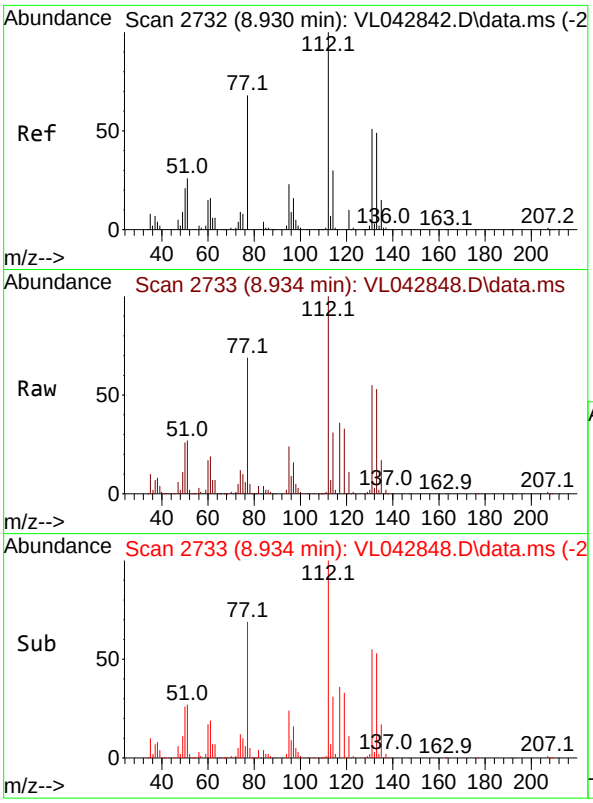


#56
1,1,1,2-Tetrachloroethane
Concen: 13.810 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:131 Resp: 241293

Ion	Ratio	Lower	Upper
131	100		
133	95.6	77.4	116.0
119	63.4	51.2	76.8



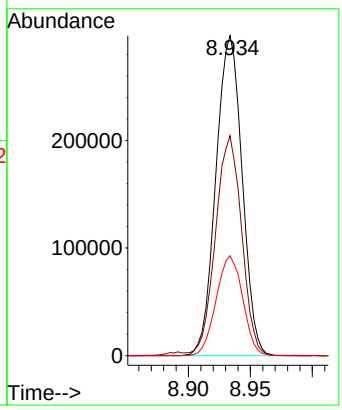


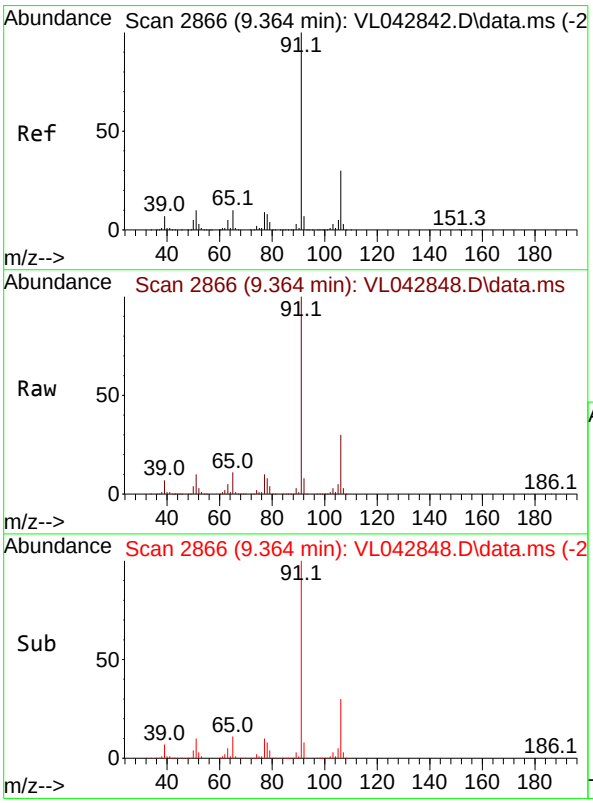
#57
Chlorobenzene
Concen: 13.668 ppbv
RT: 8.934 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 439109

Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.5	83.3
114	31.2	27.2	33.2

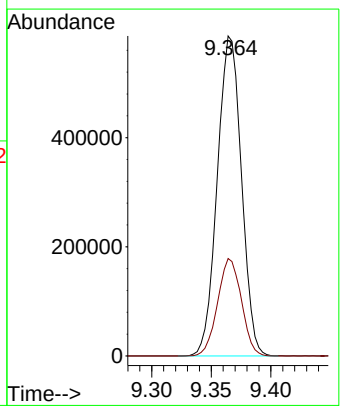


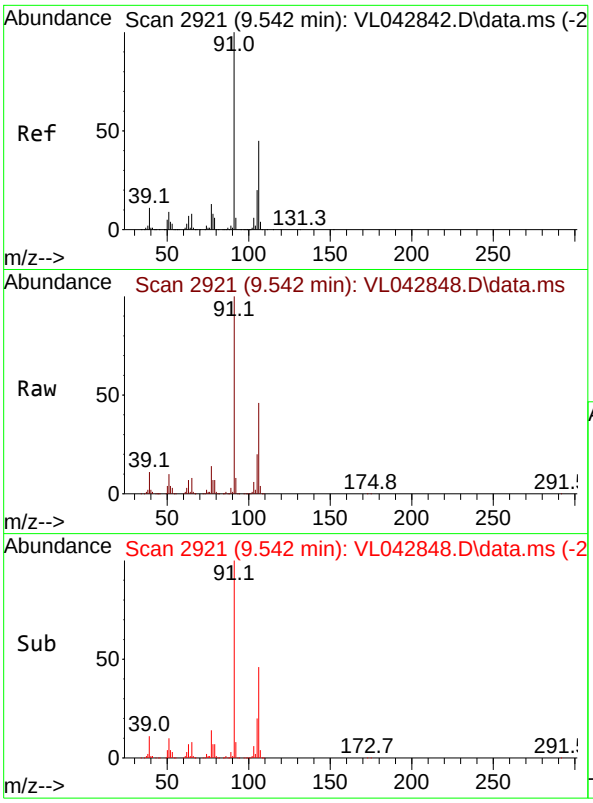


#58
Ethyl Benzene
Concen: 13.859 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 826316

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9



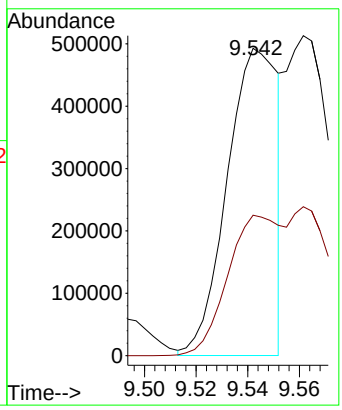


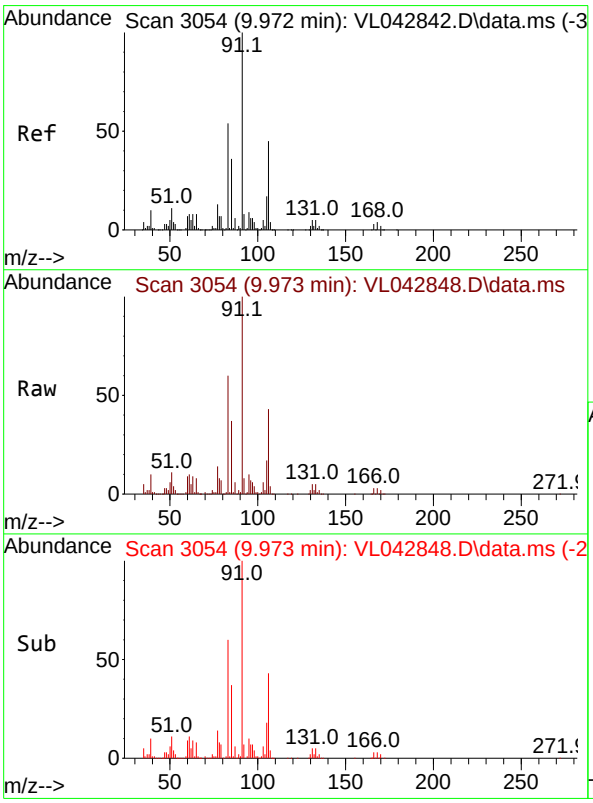
#59
m/p-Xylene
Concen: 14.262 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 667628

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

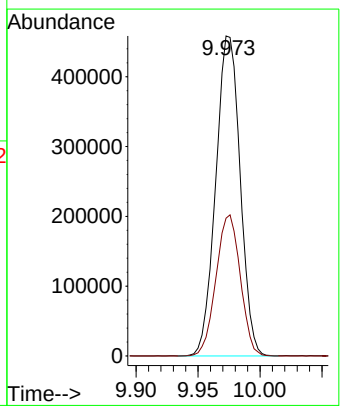


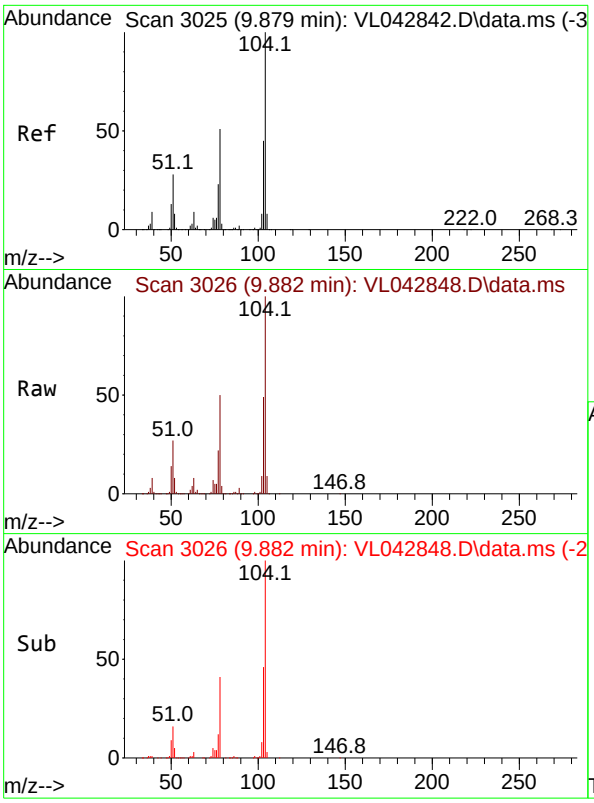


#60
o-Xylene
Concen: 13.389 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 629445

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.8	65.4



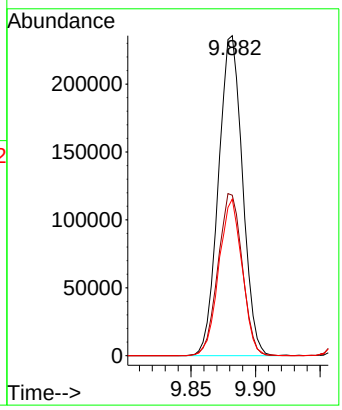


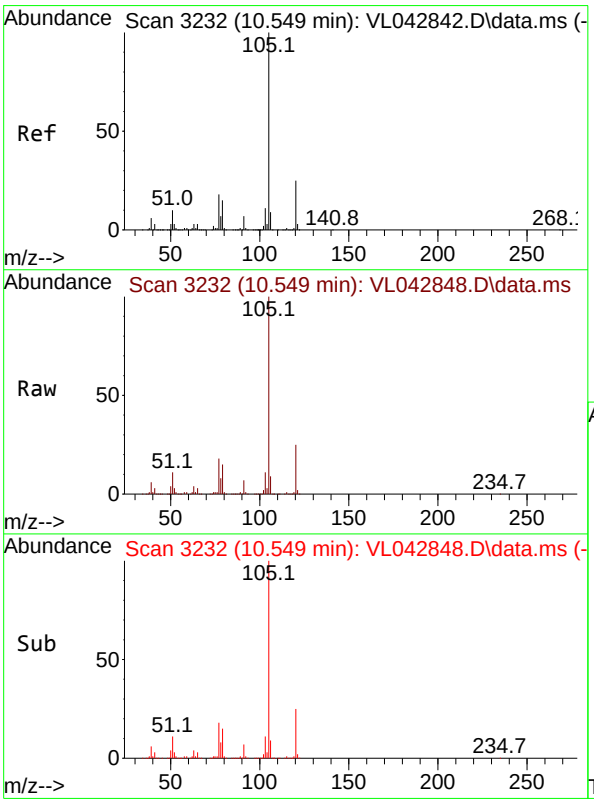
#61
Styrene
Concen: 13.827 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 304560

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.6	61.0
103	47.6	37.7	56.5

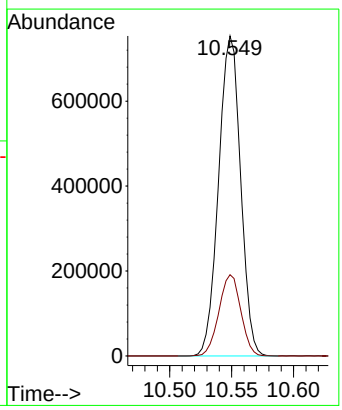


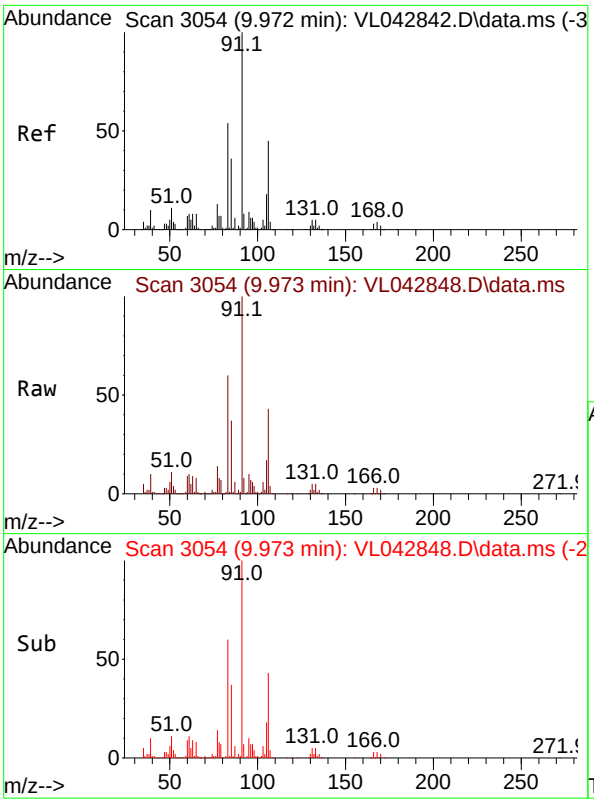


#62
Isopropylbenzene
Concen: 13.559 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 931574

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	30.8



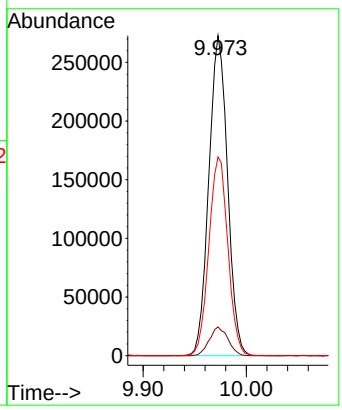


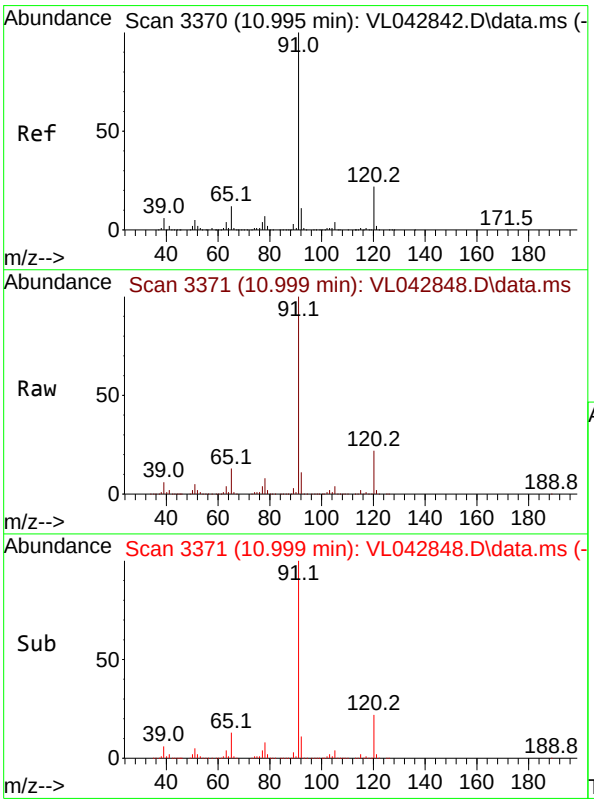
#63
1,1,2,2-Tetrachloroethane
Concen: 13.356 ppbv
RT: 9.973 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 342890

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	63.0	32.3	96.8

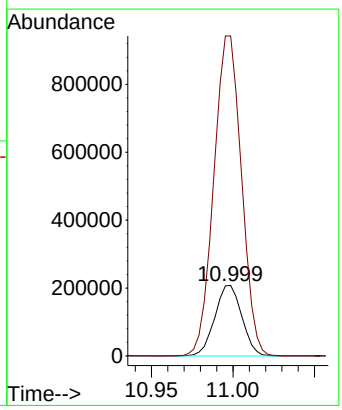


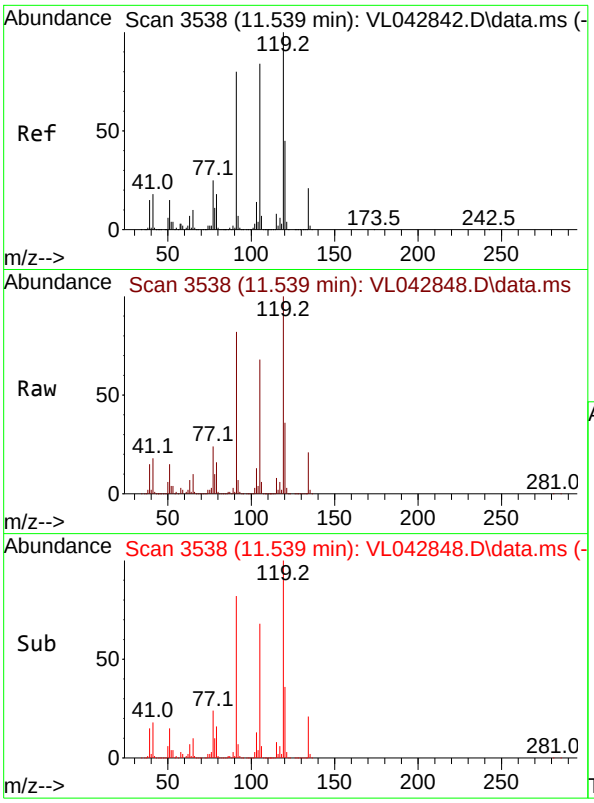


#64
n-propylbenzene
Concen: 13.646 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:120 Resp: 239209

Ion	Ratio	Lower	Upper
120	100		
91	465.1	375.8	563.6



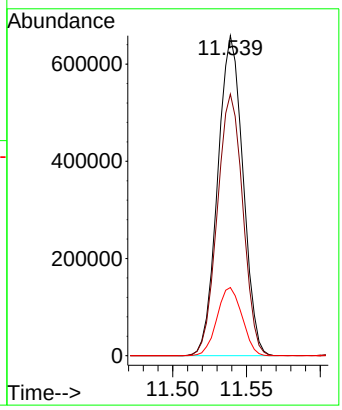


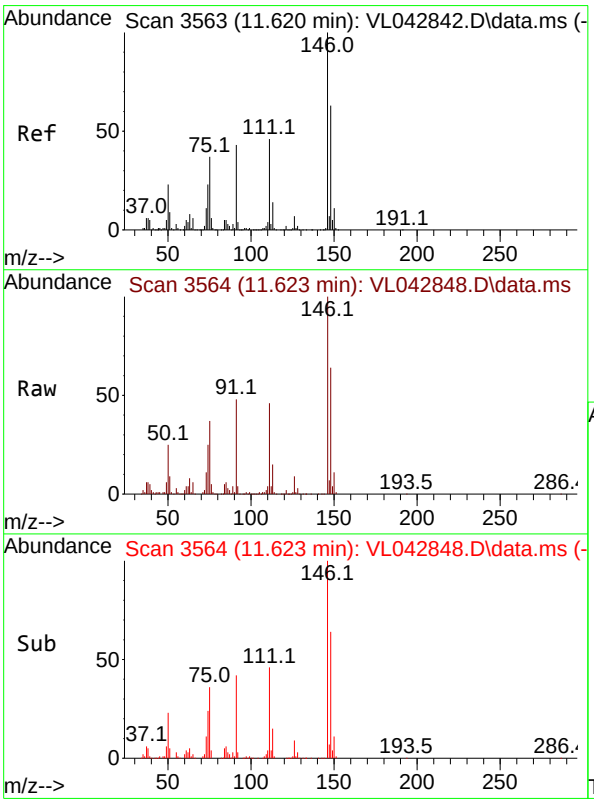
#65
tert-Butylbenzene
Concen: 12.965 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 785250

Ion	Ratio	Lower	Upper
119	100		
91	82.4	63.9	95.9
134	21.1	17.0	25.4

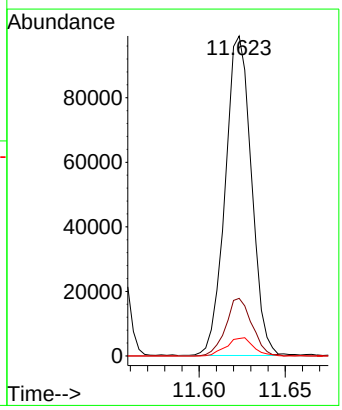


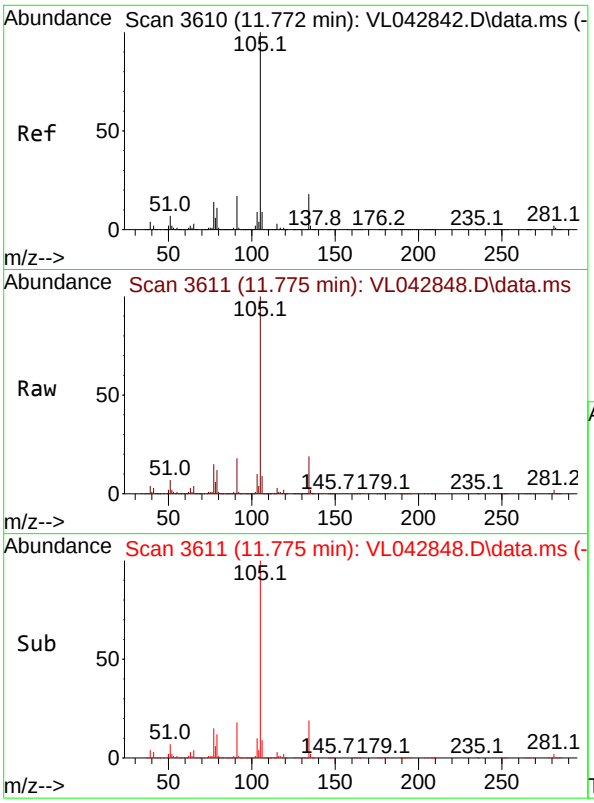


#66
Benzyl Chloride
Concen: 13.617 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 104698

Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.2	21.4
128	5.9	5.0	7.6



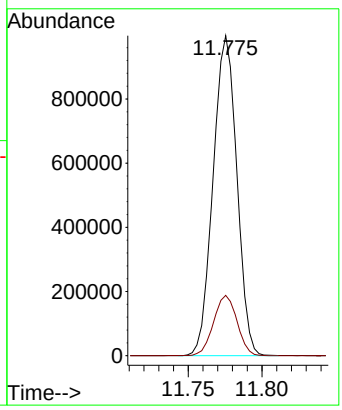


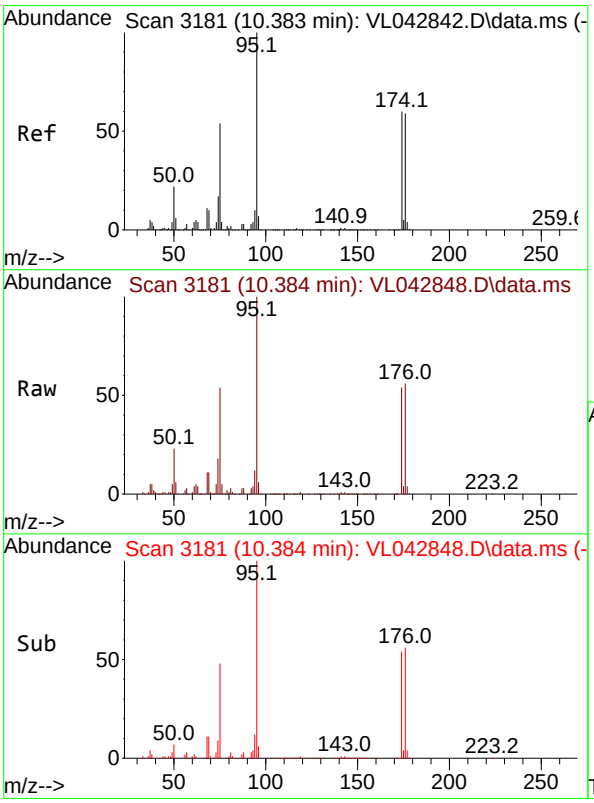
#67
sec-Butylbenzene
Concen: 13.127 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1115979

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.9	22.3

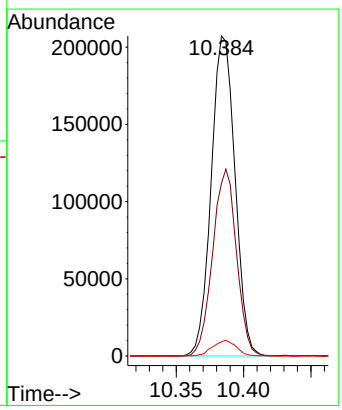


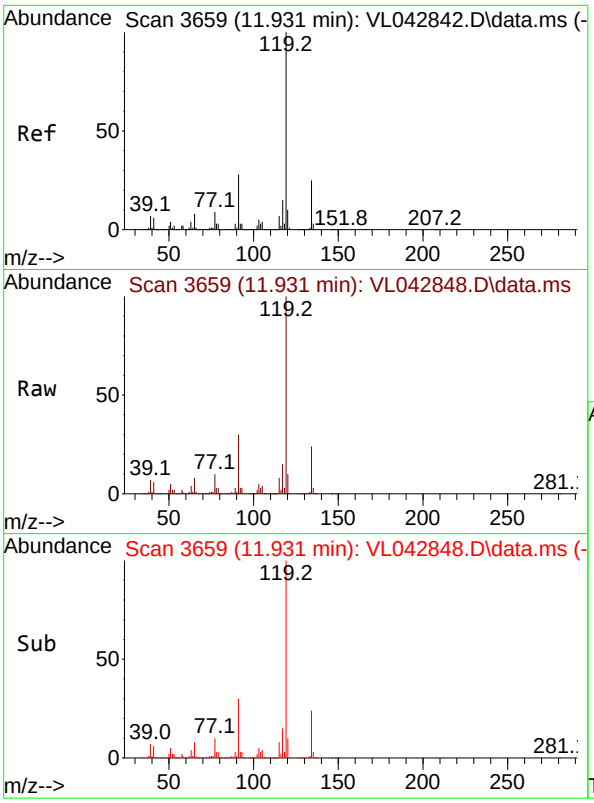


#68
1-Bromo-4-Fluorobenzene
Concen: 10.050 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 95 Resp: 254655

Ion	Ratio	Lower	Upper
95	100		
174	58.3	48.4	72.6
175	4.8	3.8	5.8



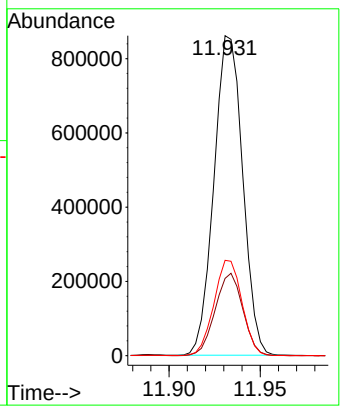


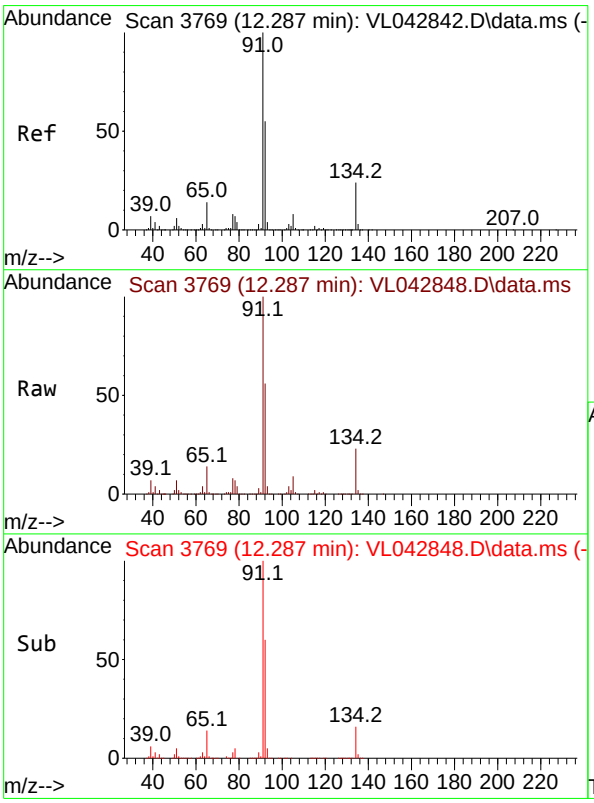
#69
p-Isopropyltoluene
Concen: 12.891 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 940888

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.6	30.8
91	29.4	22.6	34.0

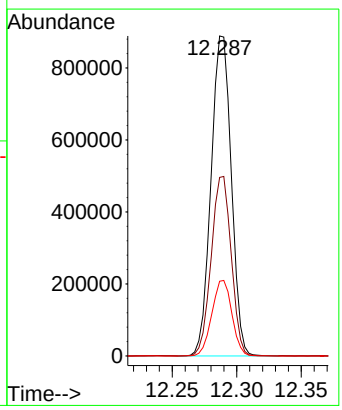


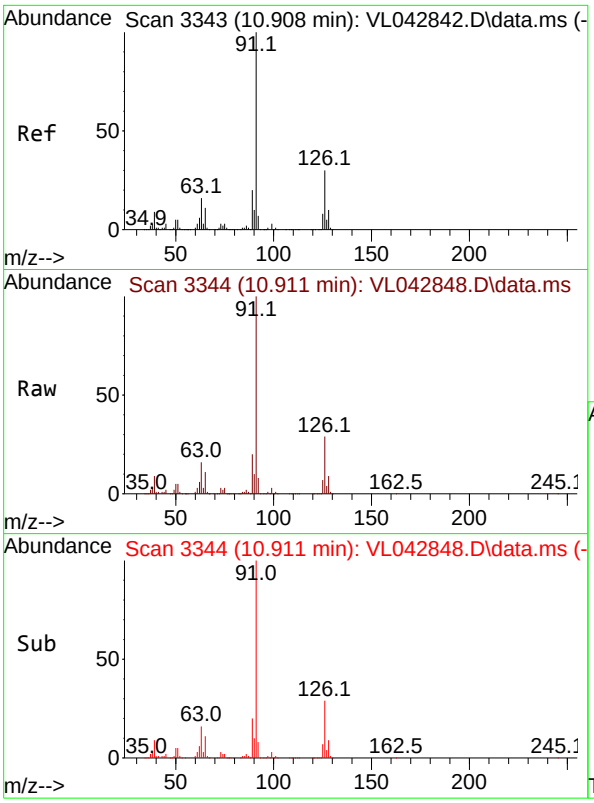


#70
n-Butylbenzene
Concen: 13.410 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 970700

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.6	66.8
134	23.3	19.0	28.4



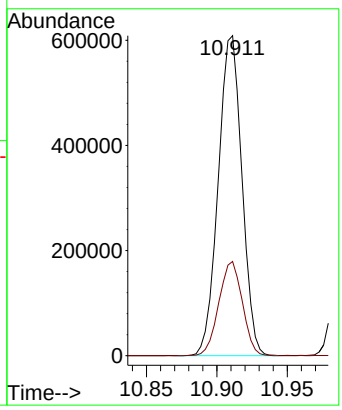


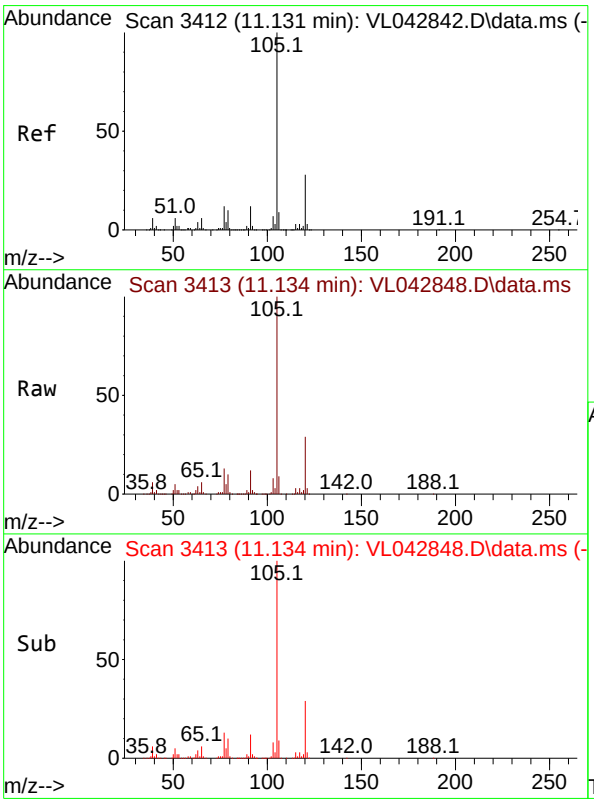
#71
2-Chlorotoluene
Concen: 13.378 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 713696

Ion	Ratio	Lower	Upper
91	100		
126	29.2	12.0	47.8

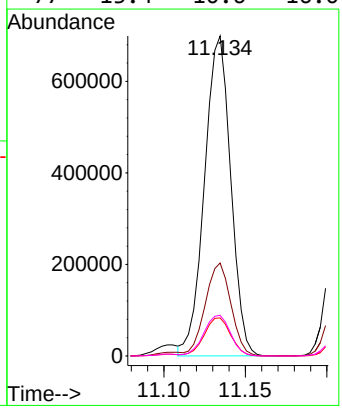


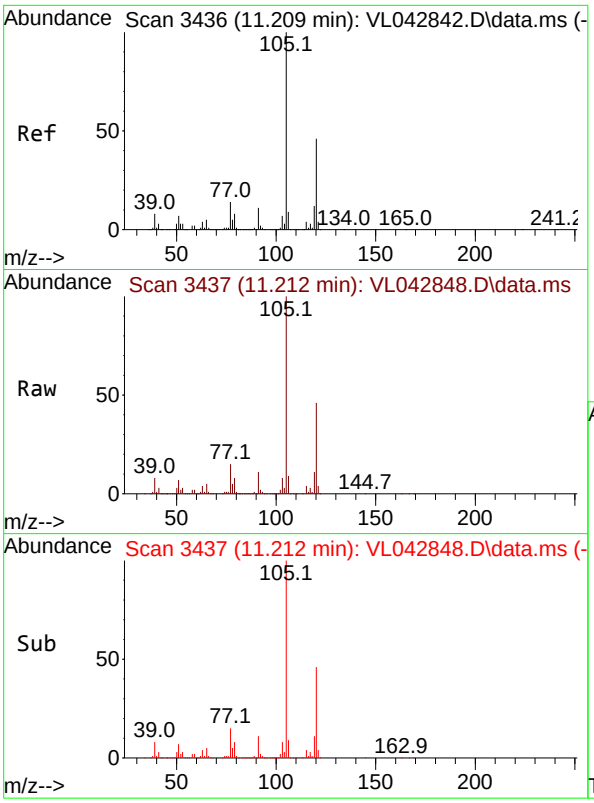


#72
4-Ethyltoluene
Concen: 13.722 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 782057

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.2
91	12.5	9.8	14.6
77	13.4	10.6	16.0



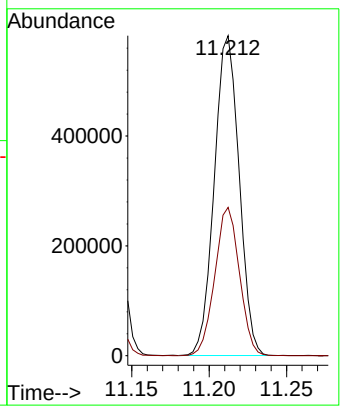


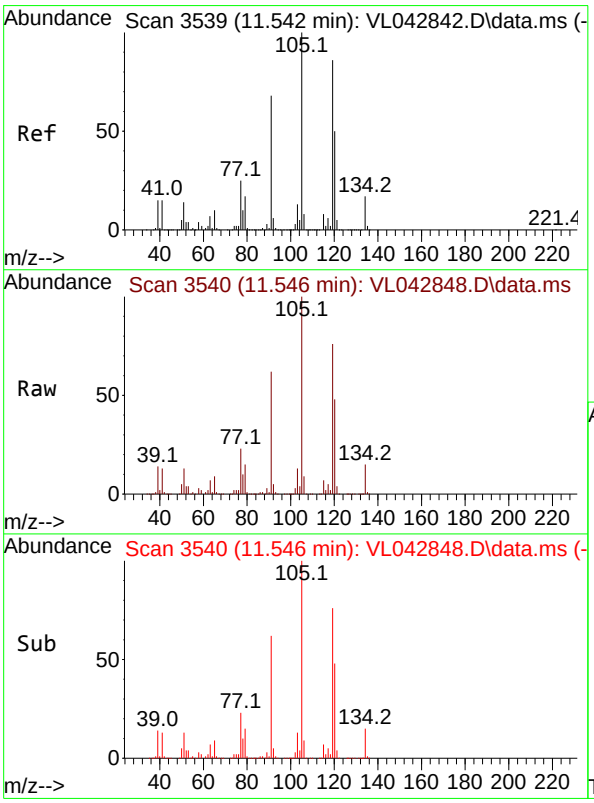
#73
1,3,5-Trimethylbenzene
Concen: 13.418 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 650280

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.6	54.8

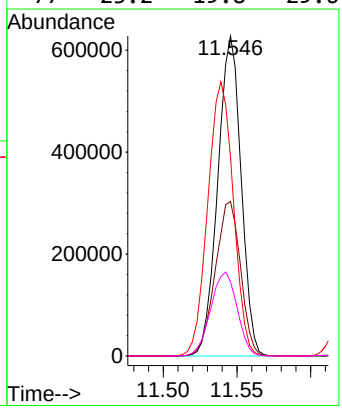


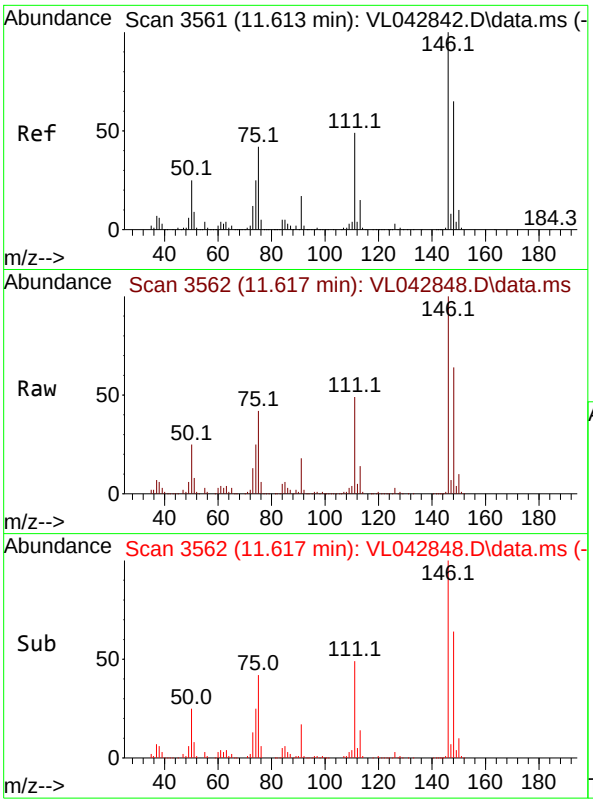


#74
1,2,4-Trimethylbenzene
Concen: 13.003 ppbv
RT: 11.546 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 691709

Ion	Ratio	Lower	Upper
105	100		
120	48.3	39.8	59.6
91	62.2	54.2	81.4
77	23.2	19.8	29.6



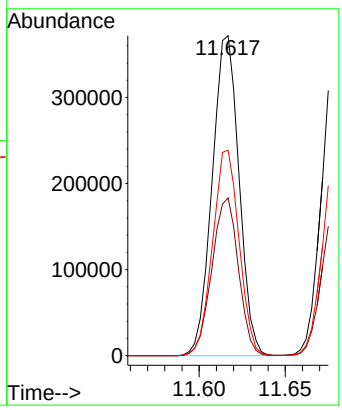


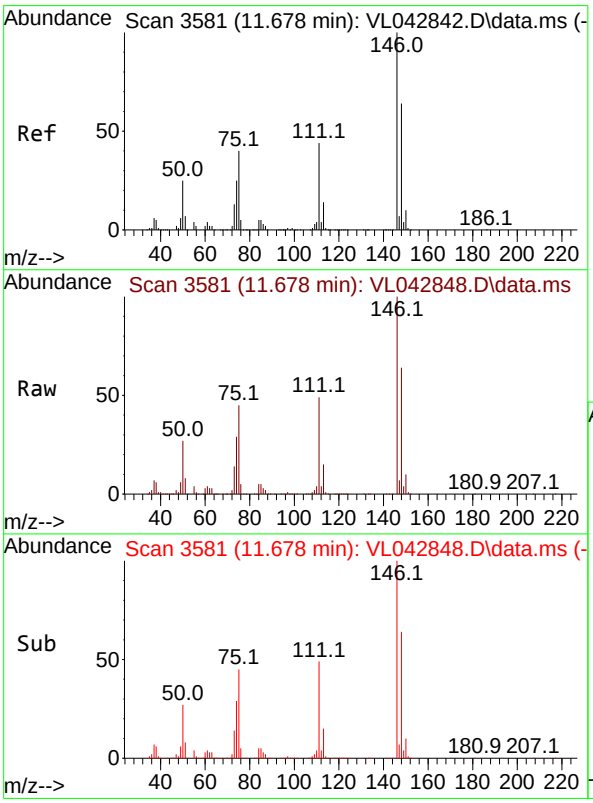
#75
1,3-Dichlorobenzene
Concen: 13.321 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 402850

Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.9	71.7
148	63.5	31.4	94.0

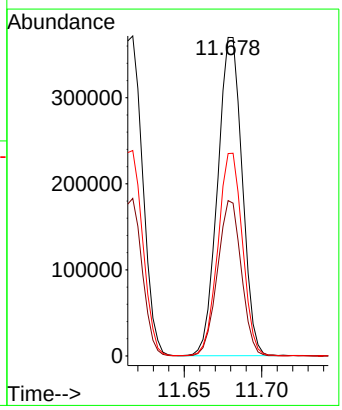


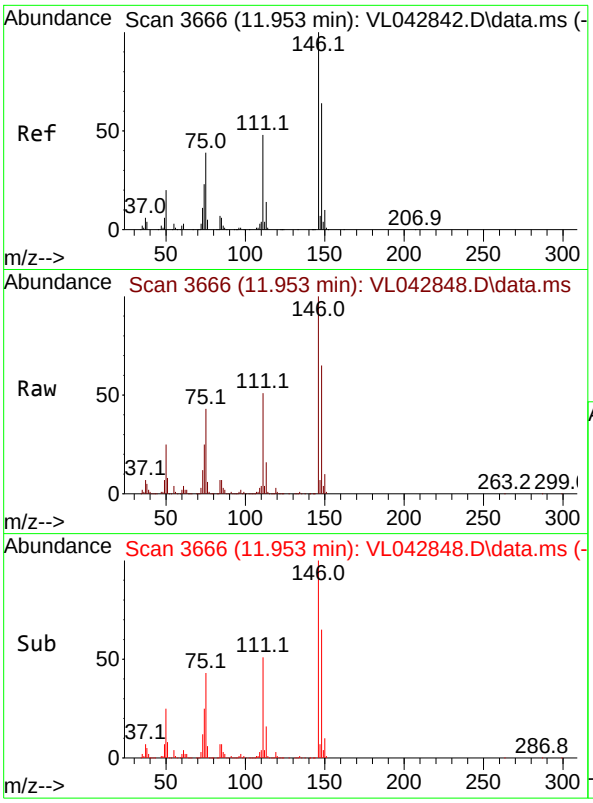


#76
1,4-Dichlorobenzene
Concen: 13.314 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:146 Resp: 407214

Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.7	68.1
148	63.8	31.8	95.3



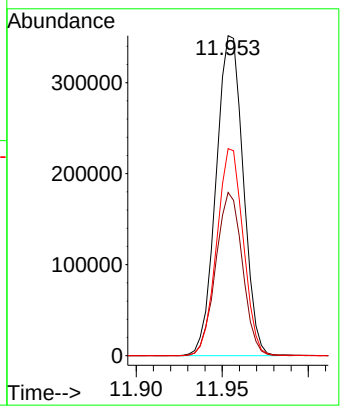


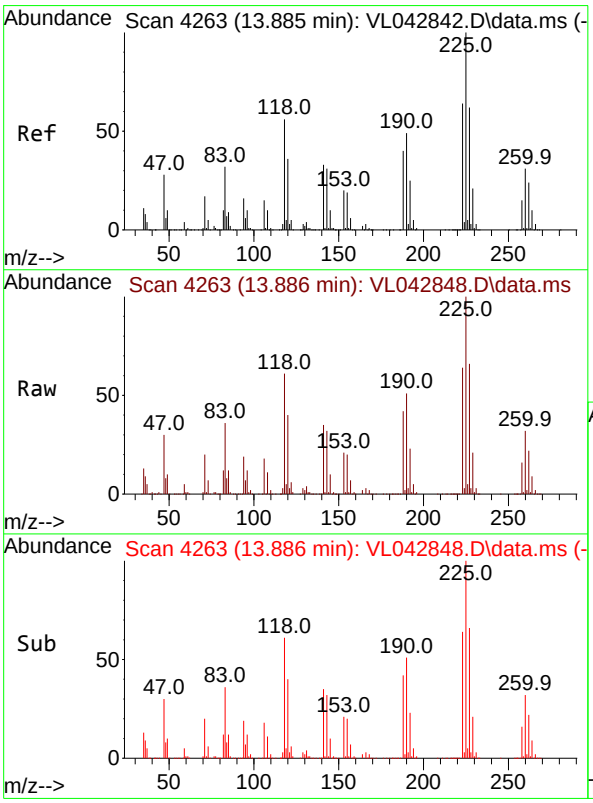
#77
1,2-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 385866

Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.6	74.0
148	63.3	32.0	96.0

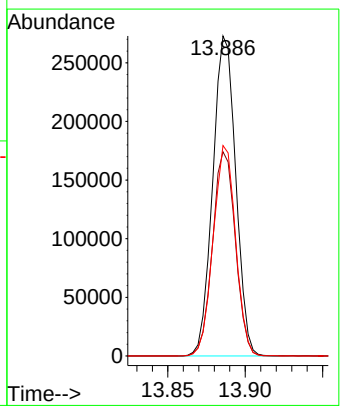


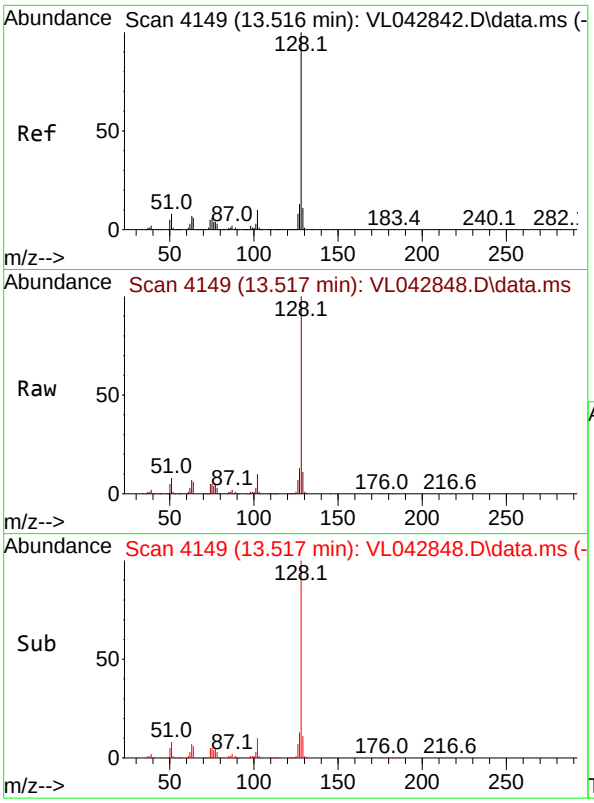


#78
Hexachloro-1,3-Butadiene
Concen: 11.602 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:225 Resp: 281581

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.4	77.2
227	64.2	51.9	77.9



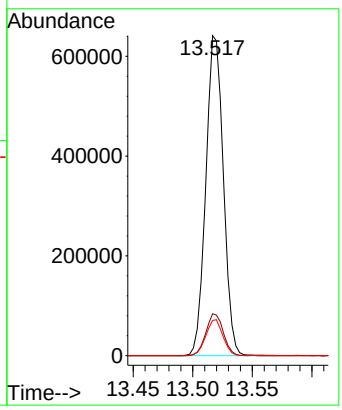


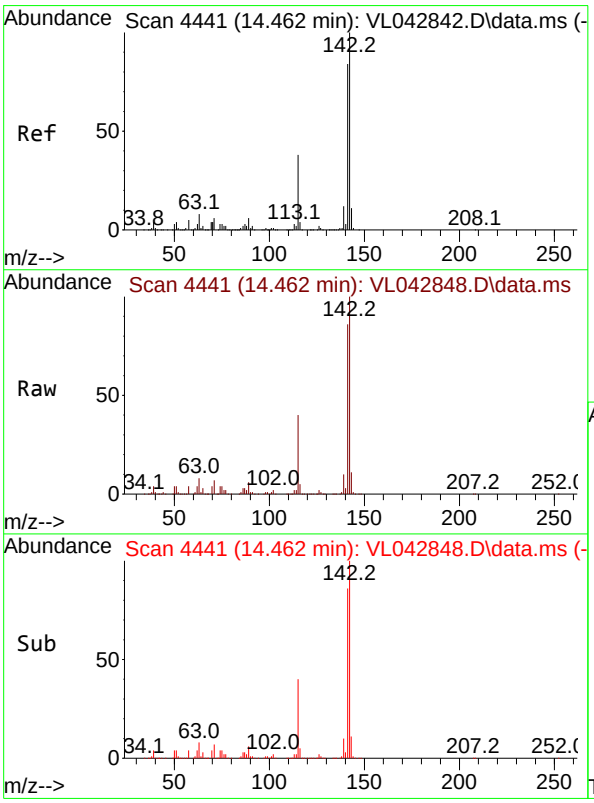
#79
Naphthalene
Concen: 13.837 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 658732

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.9	13.3

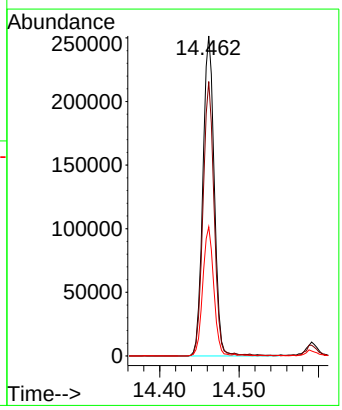


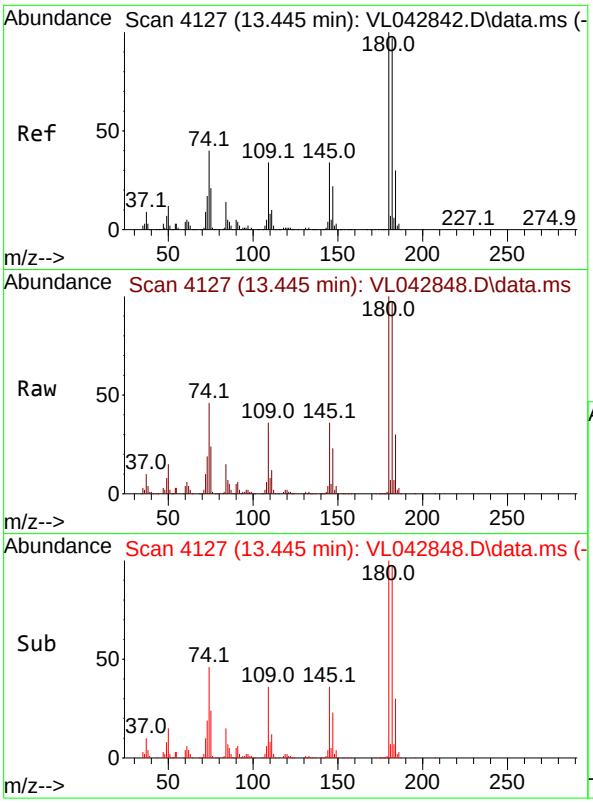


#80
Naphthalene,2-methyl-
Concen: 14.042 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:142 Resp: 251753

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	39.3	30.9	46.3



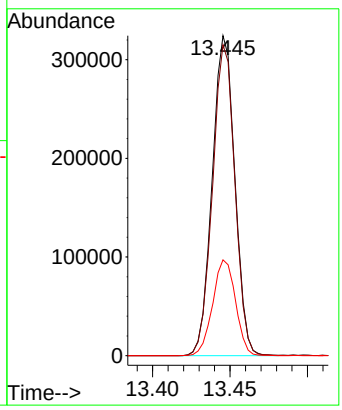


#81
1,2,4-Trichlorobenzene
Concen: 13.599 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 329641

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.9	115.3
184	30.3	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	122486	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	374448	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	333493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	252268	10.086	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	163446	9.105	ppbv	96
3) Chlorodifluoromethane	1.476	51	185078	9.327	ppbv	100
4) Chloromethane	1.535	50	63634	8.784	ppbv	100
5) Vinyl Chloride	1.583	62	58729	8.232	ppbv	96
6) Bromomethane	1.670	94	25105	8.801	ppbv	97
7) Chloroethane	1.706	64	23293	8.360	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	135845	9.248	ppbv	99
9) Propene	1.483	41	76457	8.922	ppbv	97
10) Heptane	4.988	43	206333	8.990	ppbv	99
11) Trichlorofluoromethane	1.881	101	154211	8.707	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	124558	8.824	ppbv	99
13) Ethanol	1.722	45	6016	7.678	ppbv	96
14) Bromoethene	1.784	108	46528	9.105	ppbv	98
15) Acetone	1.839	43	119723	7.389	ppbv	99
16) 1,3-Butadiene	1.612	39	60853	8.285	ppbv	99
17) tert-Butyl alcohol	2.043	59	166457	8.663	ppbv	99
18) 1,1-Dichloroethene	2.036	96	56397	9.087	ppbv	94
19) Isopropyl Alcohol	1.887	45	78832	8.146	ppbv	98
20) Methylene Chloride	2.065	84	47793	7.041	ppbv	90
21) Allyl Chloride	2.098	41	102514	8.956	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	63932	8.904	ppbv	95
23) Vinyl Acetate	2.467	43	198083	8.891	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	127660	8.903	ppbv	99
25) Ethyl Acetate	2.839	43	362325	9.240	ppbv	99
26) Hexane	2.829	57	167364	9.246	ppbv	97
27) Carbon Disulfide	2.153	76	155729	8.841	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	82126	8.898	ppbv	92
29) Chloroform	2.855	83	242320	9.377	ppbv	99
30) Cyclohexane	3.865	84	147417	9.289	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	166268	9.196	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	252813	9.256	ppbv	99
34) 2-Butanone	2.561	43	230961	9.135	ppbv	100
35) Carbon Tetrachloride	3.771	117	244671	9.478	ppbv	95
36) Benzene	3.664	78	343952	9.592	ppbv	98
37) 1,2-Dichloroethane	3.224	62	187160	9.991	ppbv	100
38) Trichloroethene	4.558	130	150693	9.202	ppbv	96
39) 1,2-Dichloropropane	4.324	63	123566	9.436	ppbv	97
40) 1,4-Dioxane	4.590	88	55292	8.879	ppbv #	93
41) Tetrahydrofuran	3.059	42	132108	9.372	ppbv	99
42) Bromodichloromethane	4.499	83	270154	9.678	ppbv	99
43) Methyl Methacrylate	4.888	69	136329	9.229	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	565415	9.290	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	160784	9.645	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

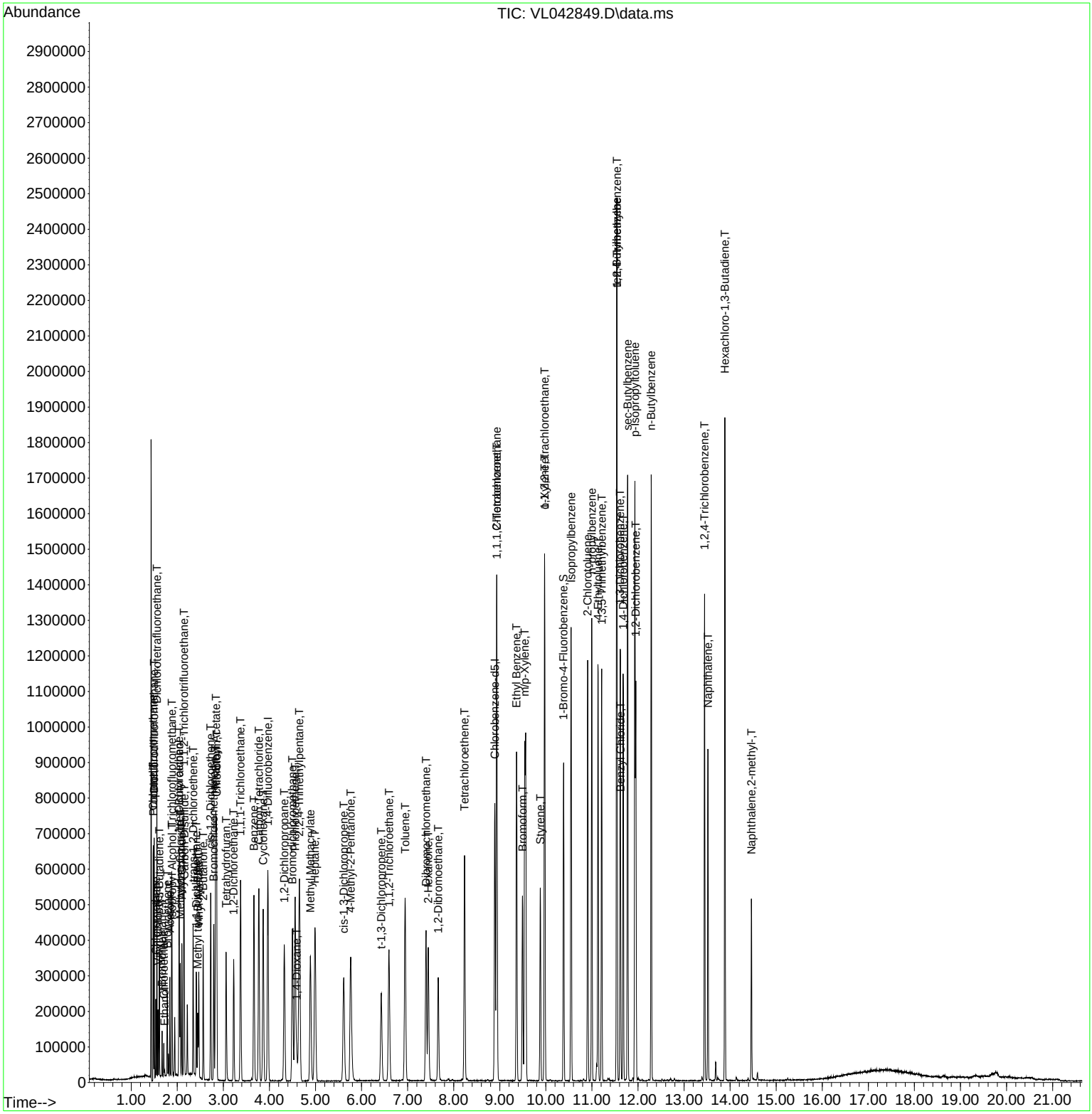
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	108009	5.200	ppbv		99
47) 1,1,2-Trichloroethane	6.597	97	132548	9.553	ppbv		99
48) Dibromochloromethane	7.399	129	217970	9.708	ppbv		100
49) Bromoform	9.493	173	174914	9.446	ppbv		99
50) 4-Methyl-2-Pentanone	5.765	43	322264	9.430	ppbv		100
51) 2-Hexanone	7.445	43	263321	9.791	ppbv	#	98
52) Tetrachloroethene	8.234	164	110828	8.544	ppbv		89
53) Toluene	6.946	91	398138	9.340	ppbv		100
54) 1,2-Dibromoethane	7.665	107	193340	9.535	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.937	131	160225	9.291	ppbv		99
57) Chlorobenzene	8.933	112	297375	9.378	ppbv		97
58) Ethyl Benzene	9.364	91	554015	9.414	ppbv		100
59) m/p-Xylene	9.542	91	462620	10.029	ppbv	#	100
60) o-Xylene	9.972	91	428721	9.239	ppbv		99
61) Styrene	9.879	104	203858	9.377	ppbv		100
62) Isopropylbenzene	10.549	105	624287	9.206	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.972	83	225237	8.826	ppbv		100
64) n-propylbenzene	10.998	120	158234	9.145	ppbv		97
65) tert-Butylbenzene	11.539	119	534795	8.946	ppbv		98
66) Benzyl Chloride	11.623	91	68533	9.031	ppbv		99
67) sec-Butylbenzene	11.775	105	762602	9.088	ppbv		100
69) p-Isopropyltoluene	11.934	119	634670	8.810	ppbv		98
70) n-Butylbenzene	12.287	91	647453	9.062	ppbv		99
71) 2-Chlorotoluene	10.908	91	485171	9.214	ppbv		98
72) 4-Ethyltoluene	11.131	105	525262	9.338	ppbv		100
73) 1,3,5-Trimethylbenzene	11.212	105	435705	9.108	ppbv		98
74) 1,2,4-Trimethylbenzene	11.542	105	469573	8.943	ppbv		94
75) 1,3-Dichlorobenzene	11.613	146	274876	9.209	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	270976	8.976	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	255347	8.736	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	186318	7.778	ppbv		97
79) Naphthalene	13.520	128	441940	9.284	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	145644	8.188	ppbv		98
81) 1,2,4-Trichlorobenzene	13.445	180	215715	9.016	ppbv		99

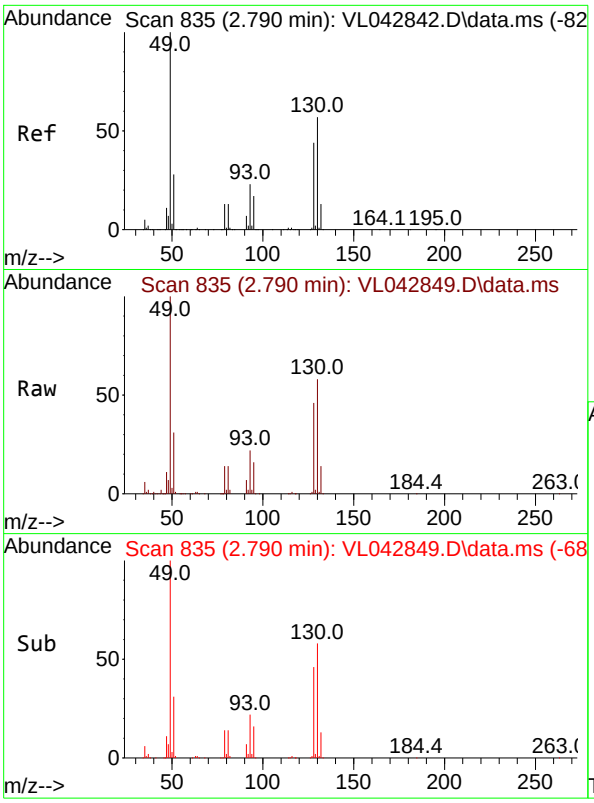
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



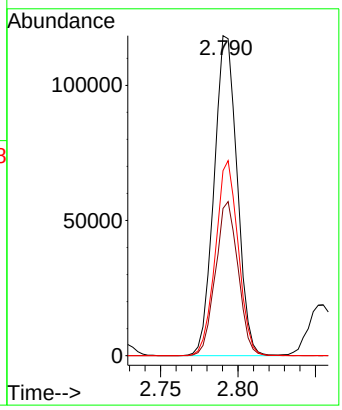


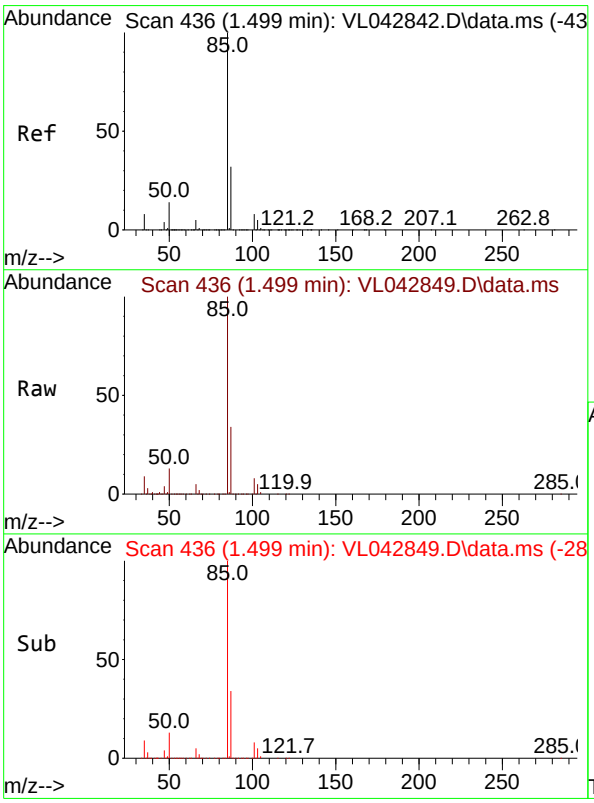
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 49 Resp: 122486

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.7	71.1
130	60.0	30.6	91.6

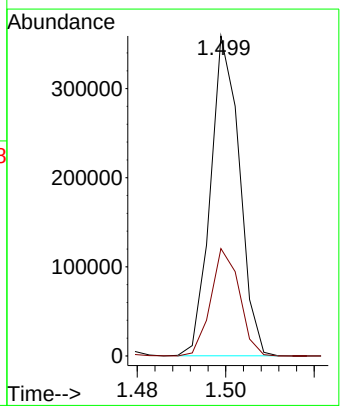


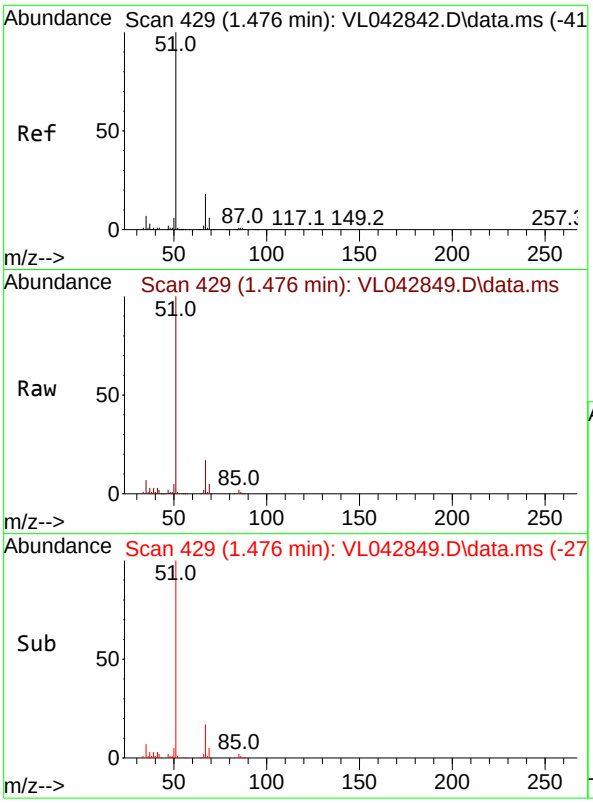


#2
Dichlorodifluoromethane
Concen: 9.105 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 85 Resp: 163446

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.3	37.9



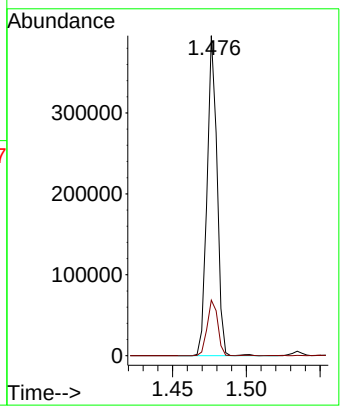


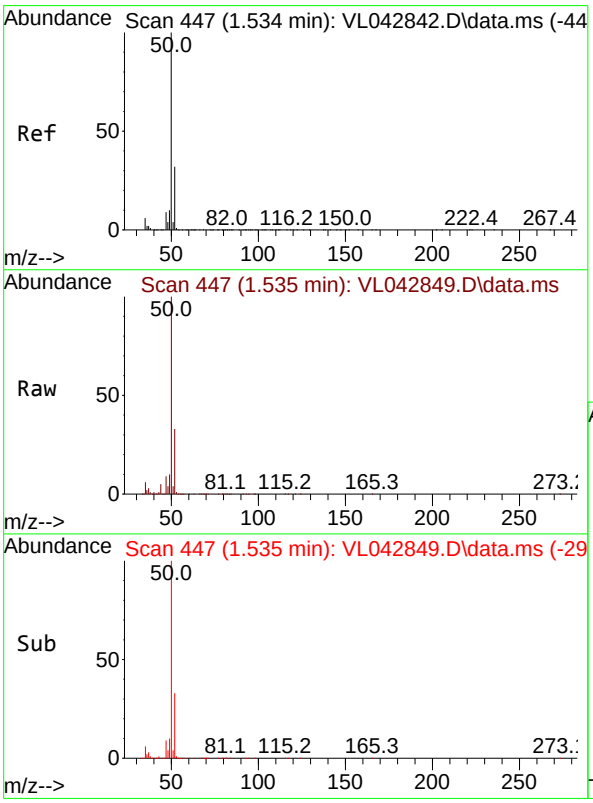
#3
Chlorodifluoromethane
Concen: 9.327 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 51 Resp: 185078

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

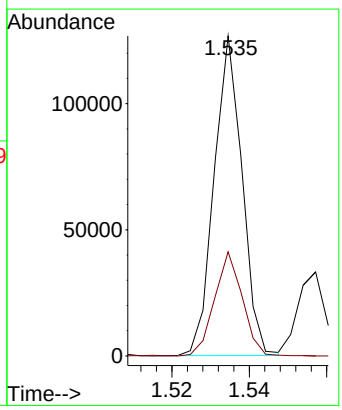


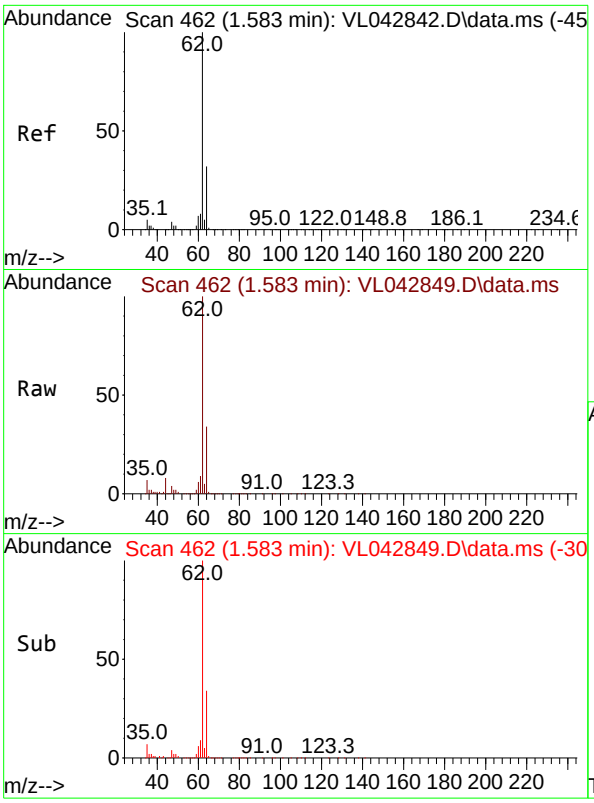


#4
Chloromethane
Concen: 8.784 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 50 Resp: 63634

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.9	38.9



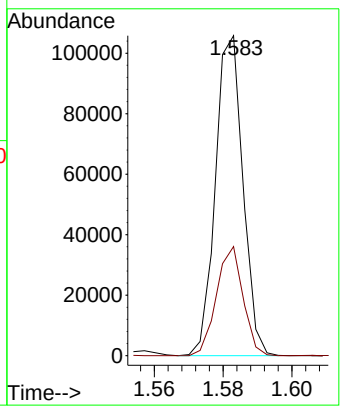


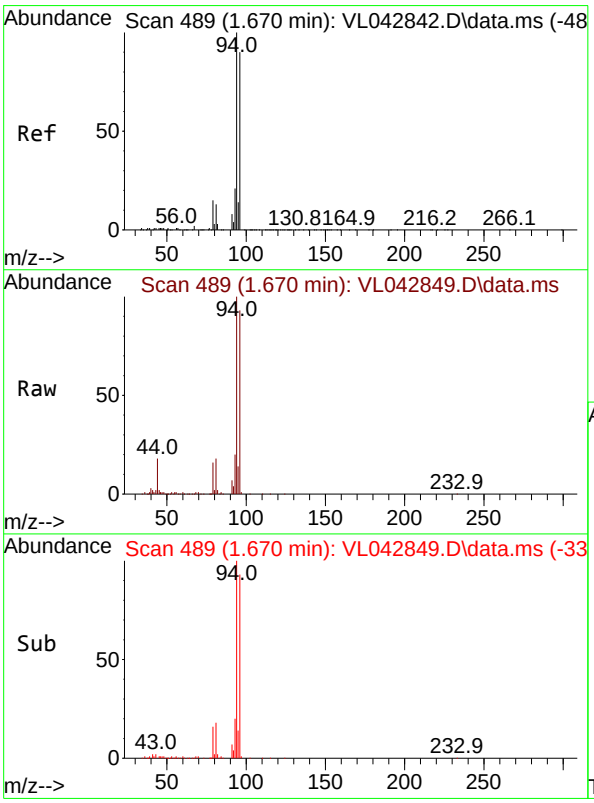
#5
Vinyl Chloride
Concen: 8.232 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 62 Resp: 58729

Ion	Ratio	Lower	Upper
62	100		
64	34.1	25.4	38.2

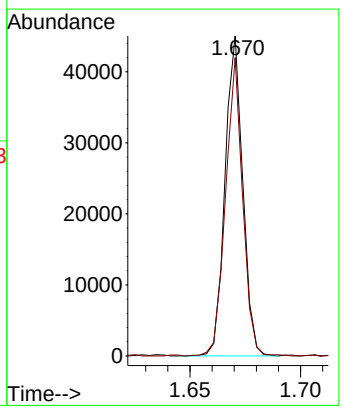


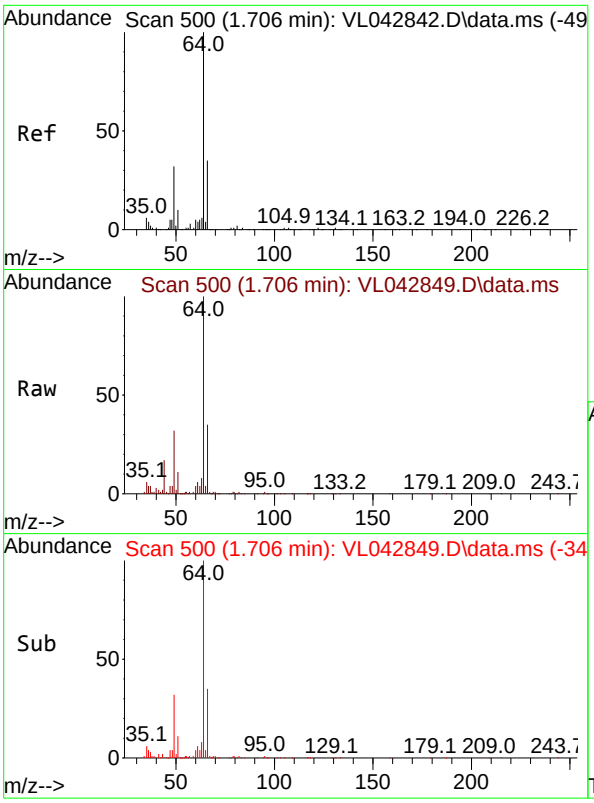


#6
Bromomethane
Concen: 8.801 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 94 Resp: 25105

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.1	108.1



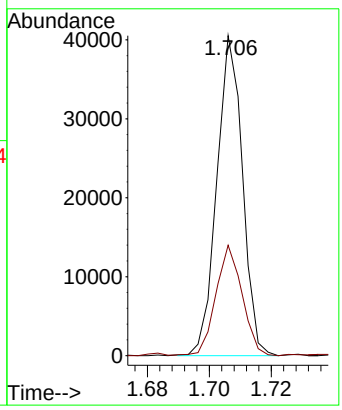


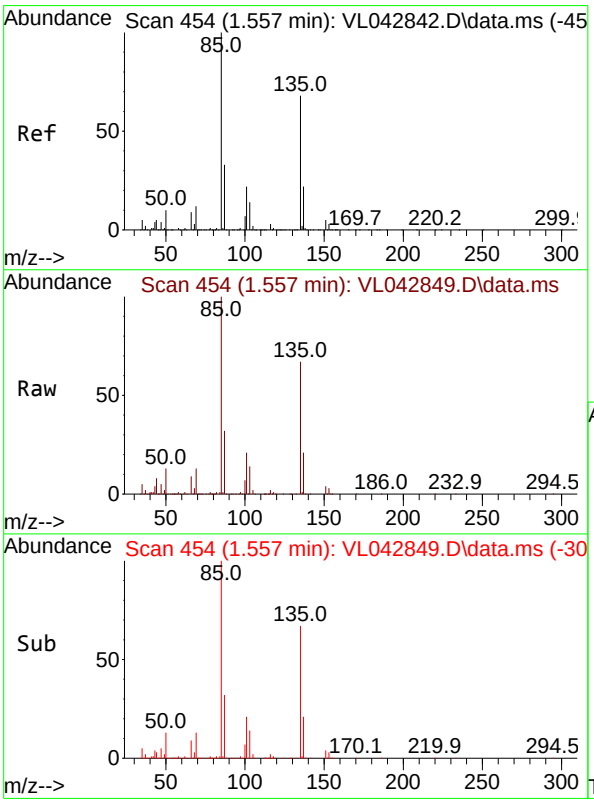
#7
Chloroethane
Concen: 8.360 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 64 Resp: 23293

Ion	Ratio	Lower	Upper
64	100		
66	34.5	28.6	42.8

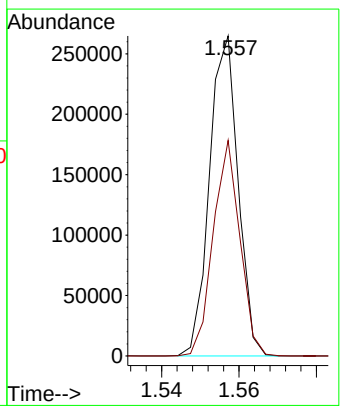


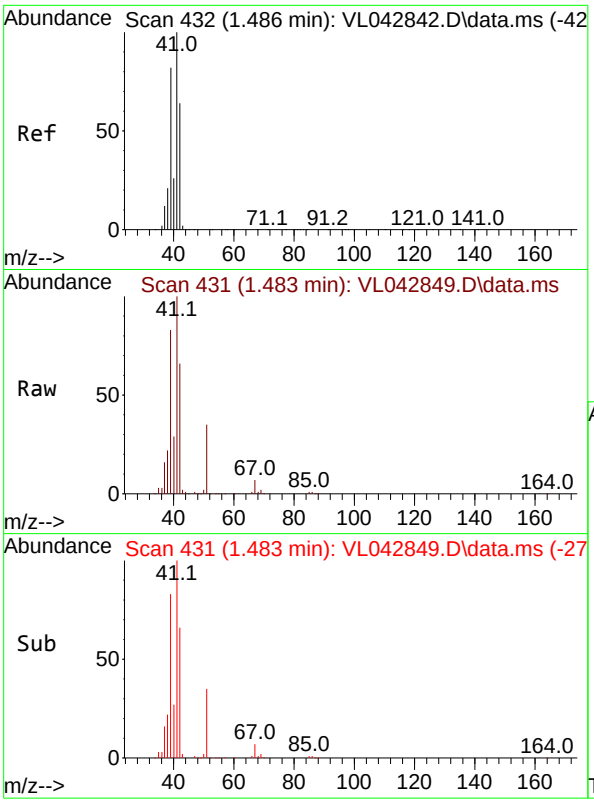


#8
Dichlorotetrafluoroethane
Concen: 9.248 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 85 Resp: 135845

Ion	Ratio	Lower	Upper
85	100		
135	62.9	51.2	76.8



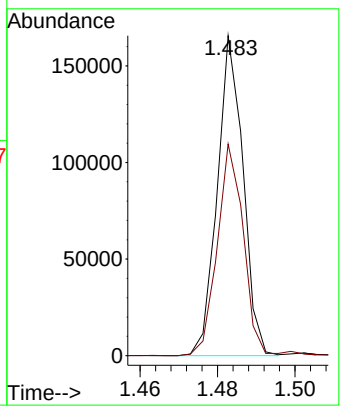


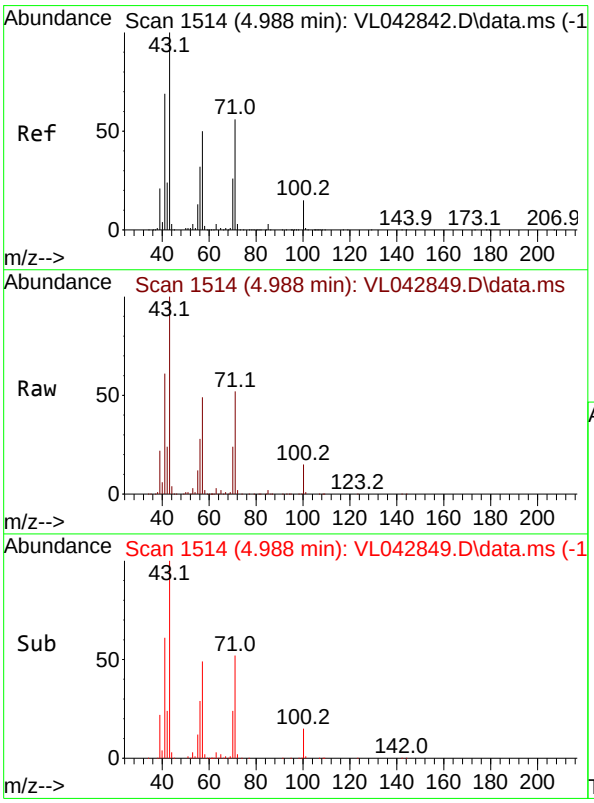
#9
Propene
Concen: 8.922 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 41 Resp: 76457

Ion	Ratio	Lower	Upper
41	100		
42	68.4	53.0	79.4

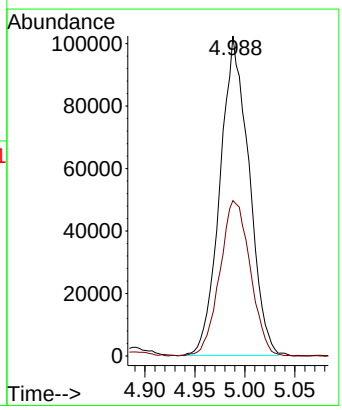


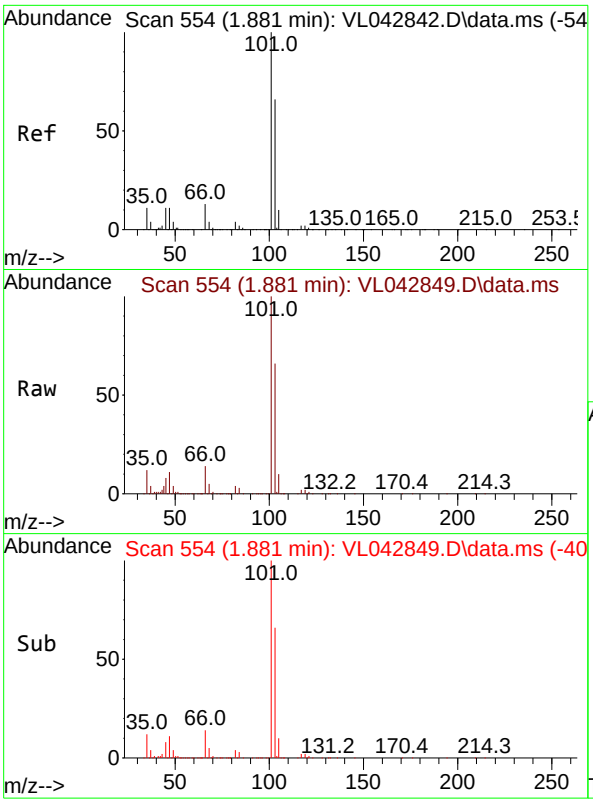


#10
Heptane
Concen: 8.990 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 206333

Ion	Ratio	Lower	Upper
43	100		
57	51.2	41.4	62.0



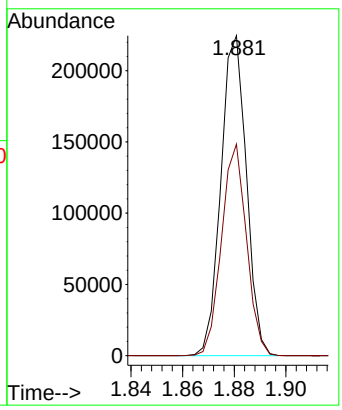


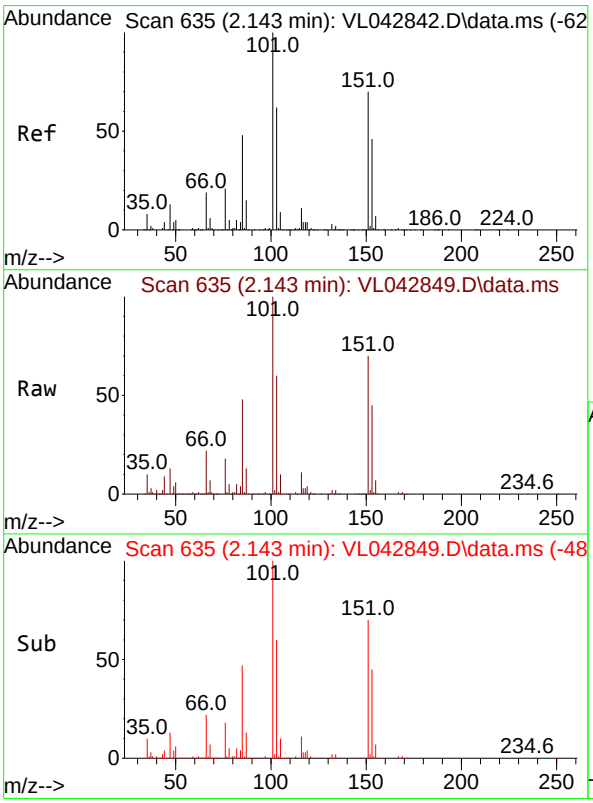
#11
Trichlorofluoromethane
Concen: 8.707 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:101 Resp: 154211

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.5	78.7

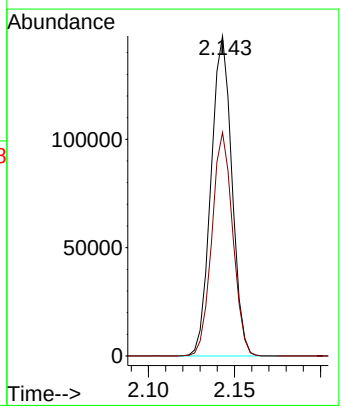


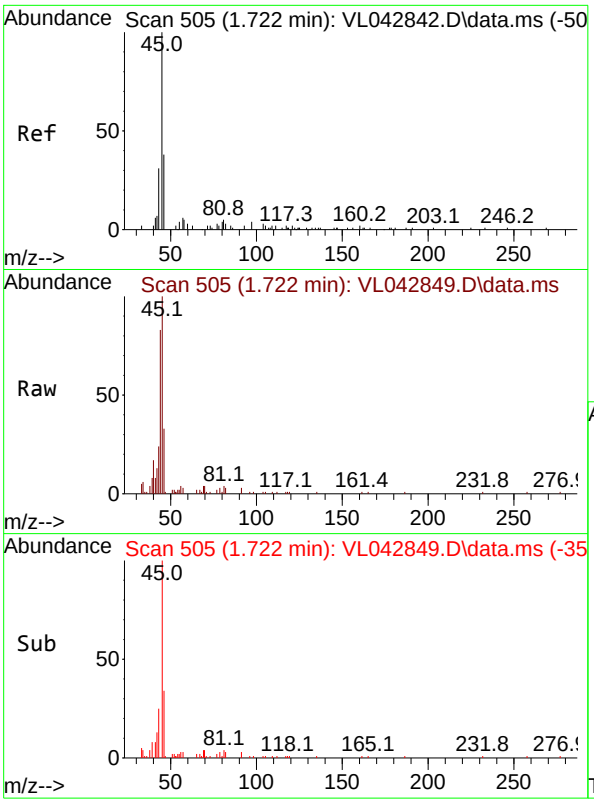


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.824 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:101 Resp: 124558

Ion	Ratio	Lower	Upper
101	100		
151	69.7	56.4	84.6



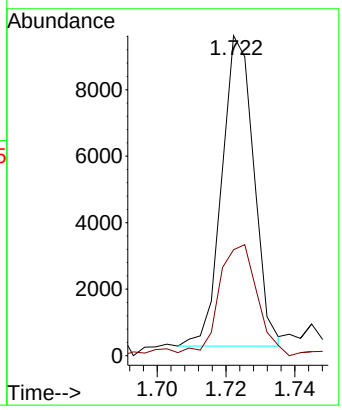


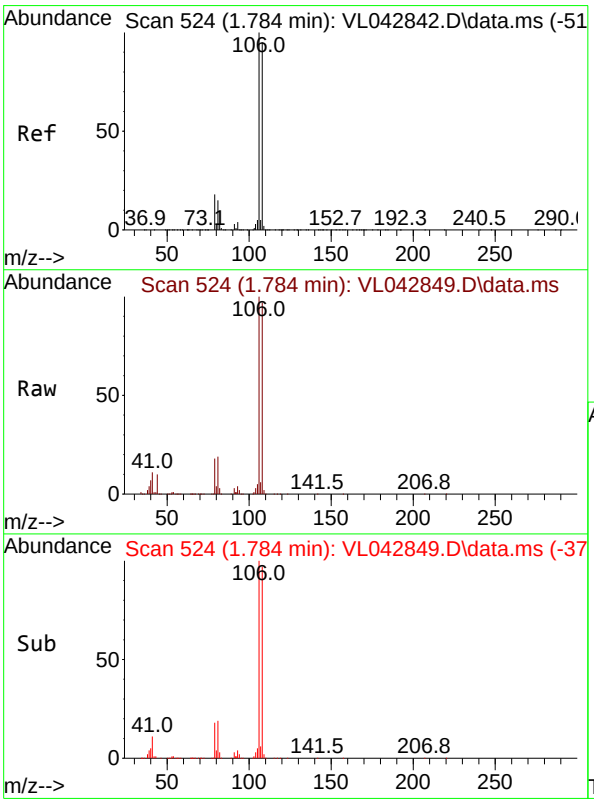
#13
Ethanol
Concen: 7.678 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 45 Resp: 6016

Ion	Ratio	Lower	Upper
45	100		
46	46.2	17.5	69.9

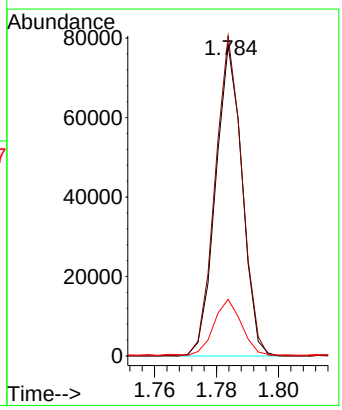


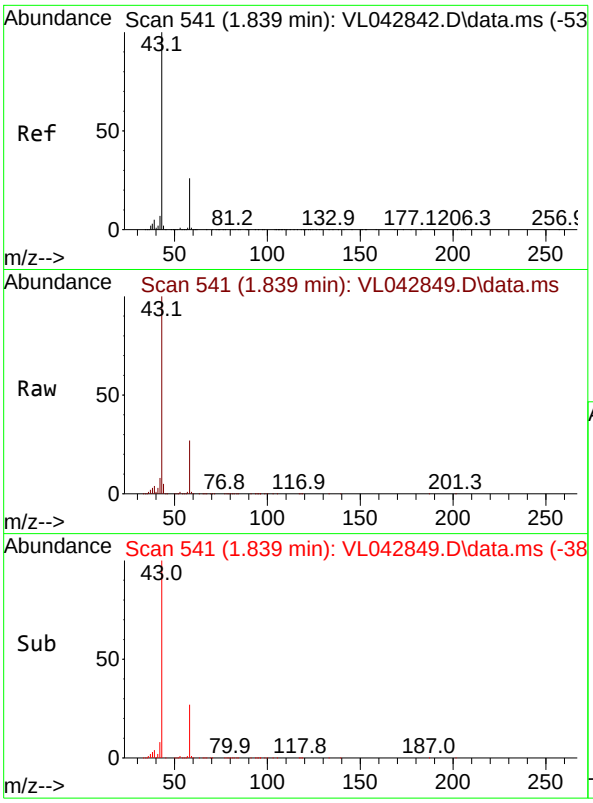


#14
Bromoethene
Concen: 9.105 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:108 Resp: 46528

Ion	Ratio	Lower	Upper
108	100		
106	104.1	85.1	127.7
79	19.8	16.3	24.5



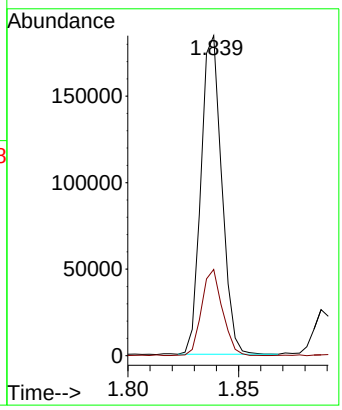


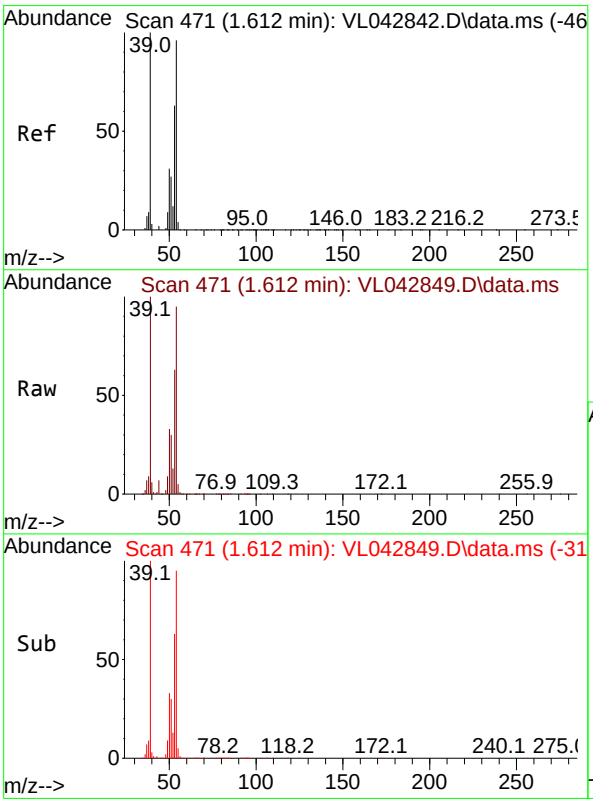
#15
Acetone
Concen: 7.389 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 43 Resp: 119723

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6

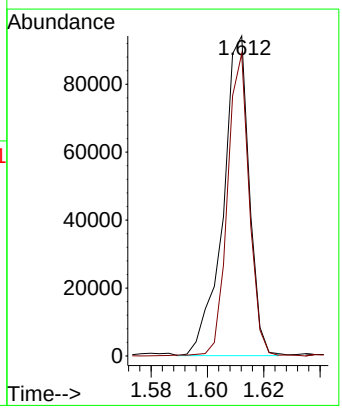


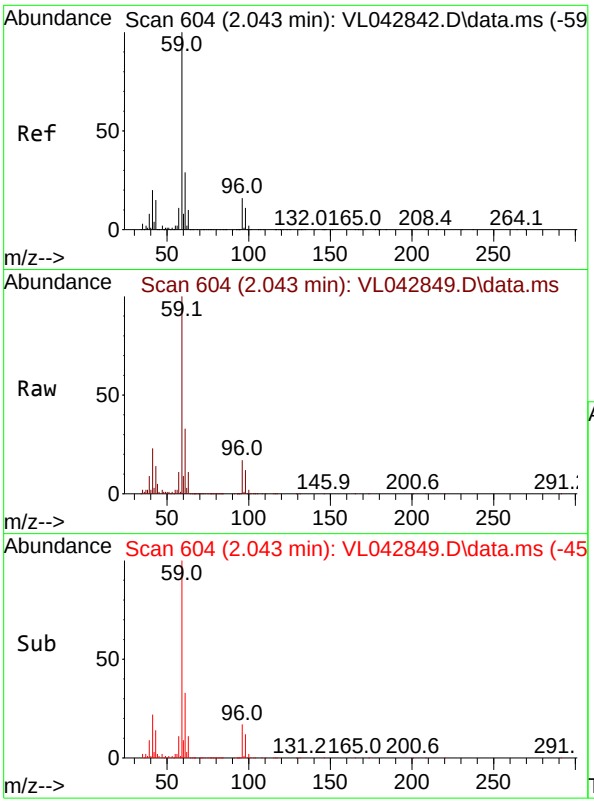


#16
1,3-Butadiene
Concen: 8.285 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 39 Resp: 60853

Ion	Ratio	Lower	Upper
39	100		
54	78.9	63.6	95.4



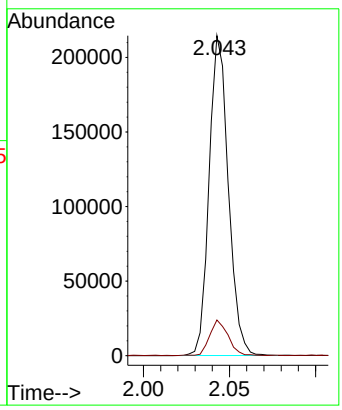


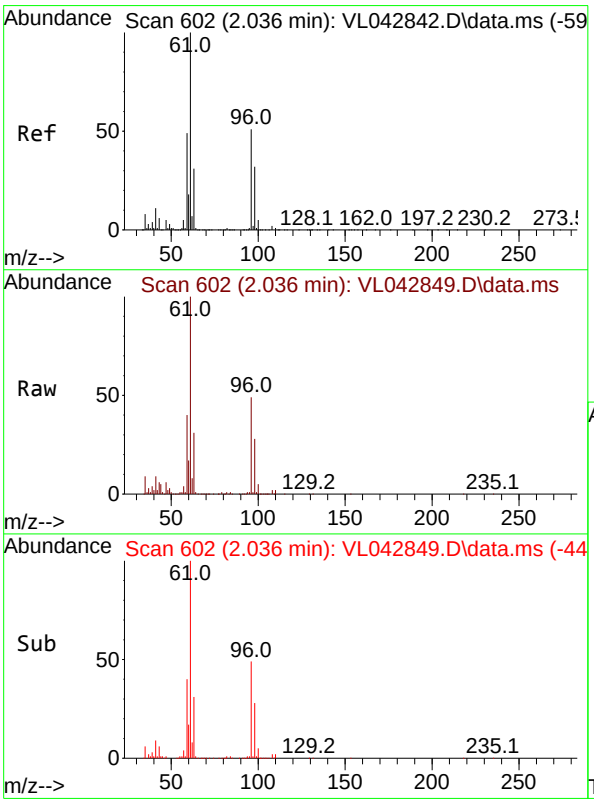
#17
tert-Butyl alcohol
Concen: 8.663 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 59 Resp: 166457

Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4

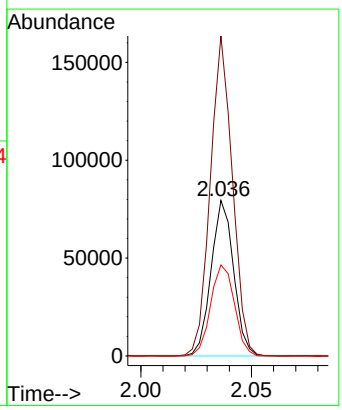


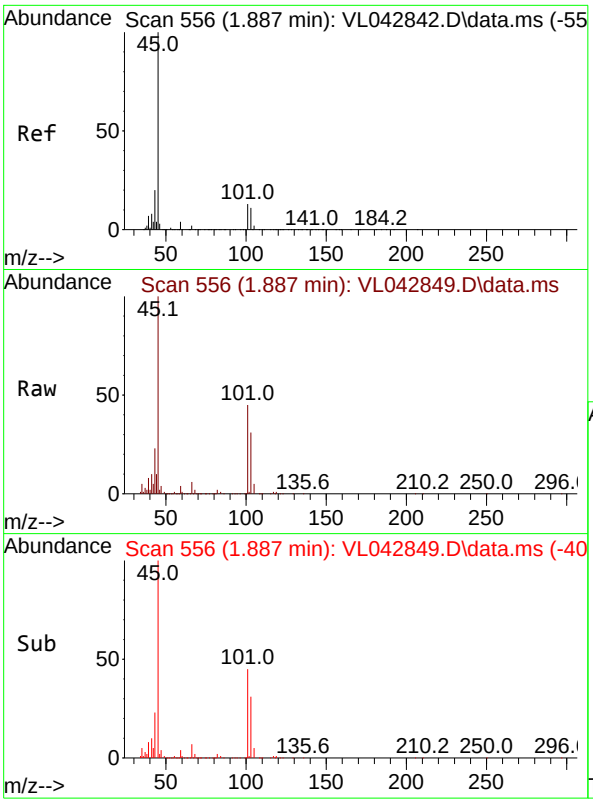


#18
1,1-Dichloroethene
Concen: 9.087 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 96 Resp: 56397

Ion	Ratio	Lower	Upper
96	100		
61	205.8	158.2	237.4
98	58.5	50.6	76.0



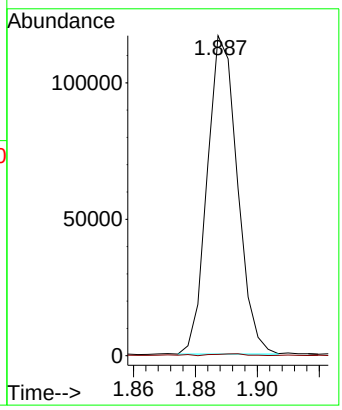


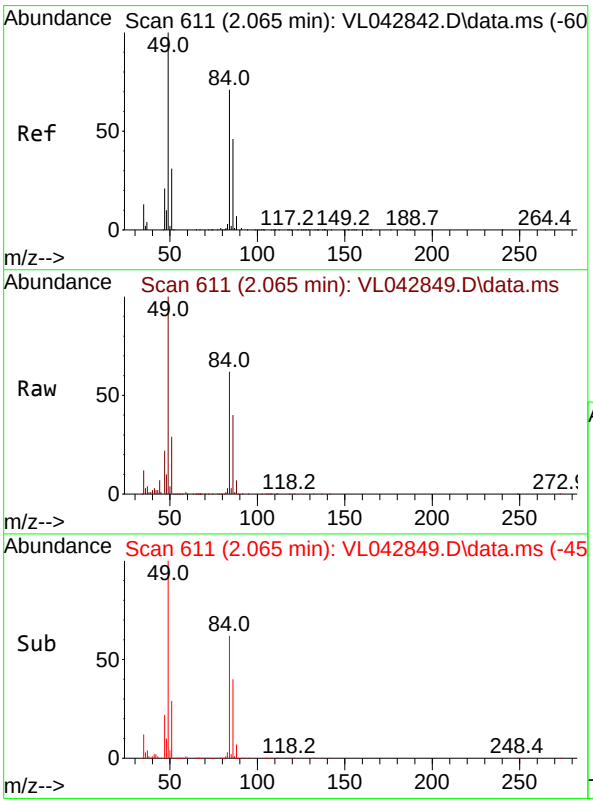
#19
Isopropyl Alcohol
Concen: 8.146 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 45 Resp: 78832

Ion	Ratio	Lower	Upper
45	100		
58	42.0	32.7	49.1

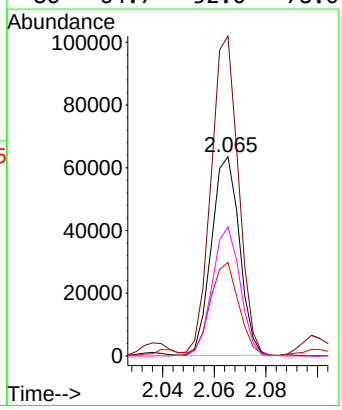


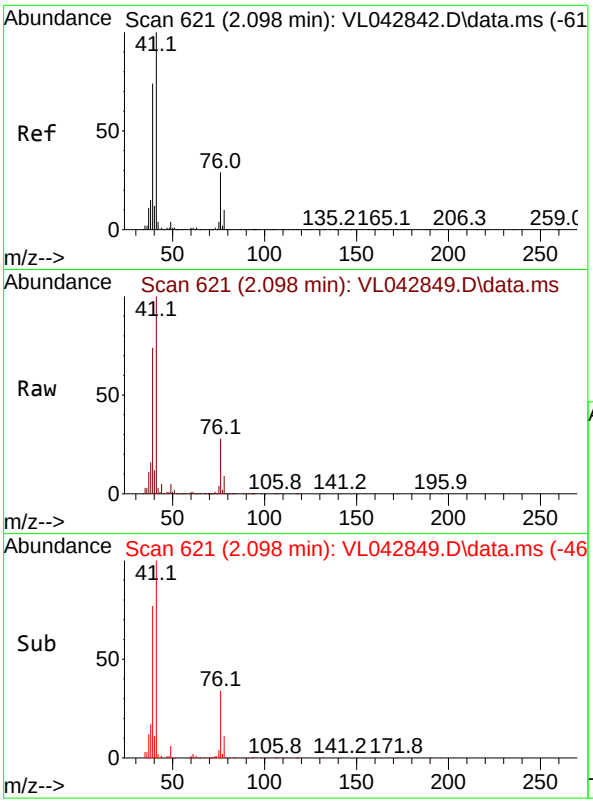


#20
Methylene Chloride
Concen: 7.041 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 84 Resp: 47793

Ion	Ratio	Lower	Upper
84	100		
49	160.7	112.3	168.5
51	46.9	36.0	54.0
86	64.7	52.0	78.0



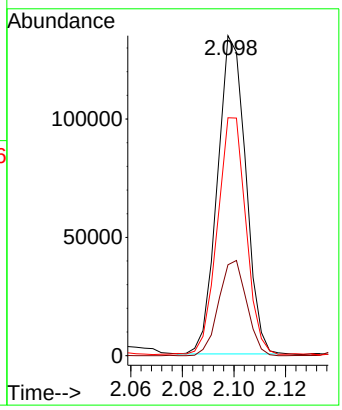


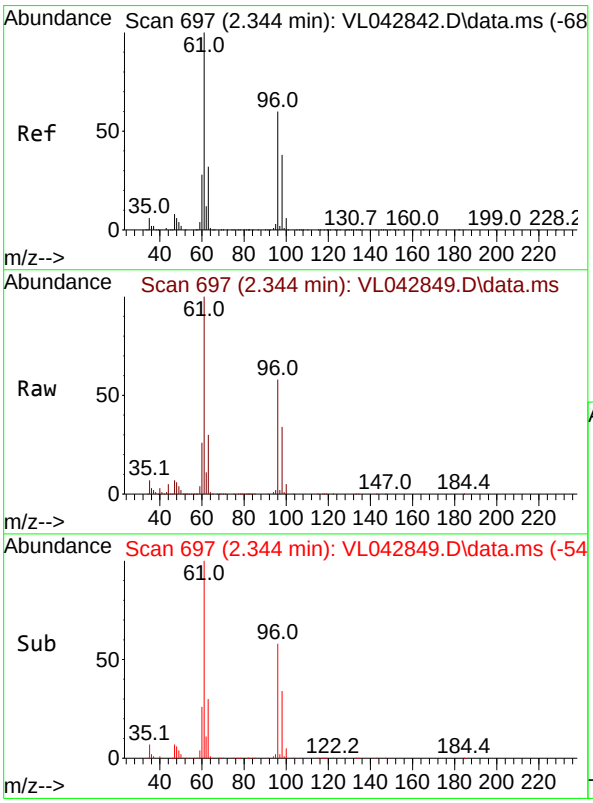
#21
Allyl Chloride
Concen: 8.956 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 41 Resp: 102514

Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.9	35.9
39	76.1	57.8	86.6

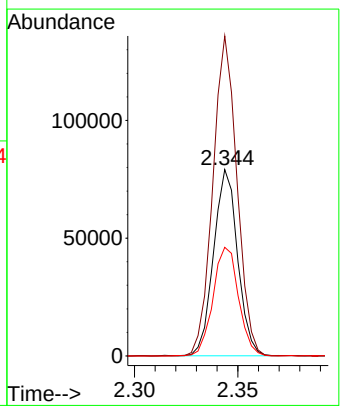


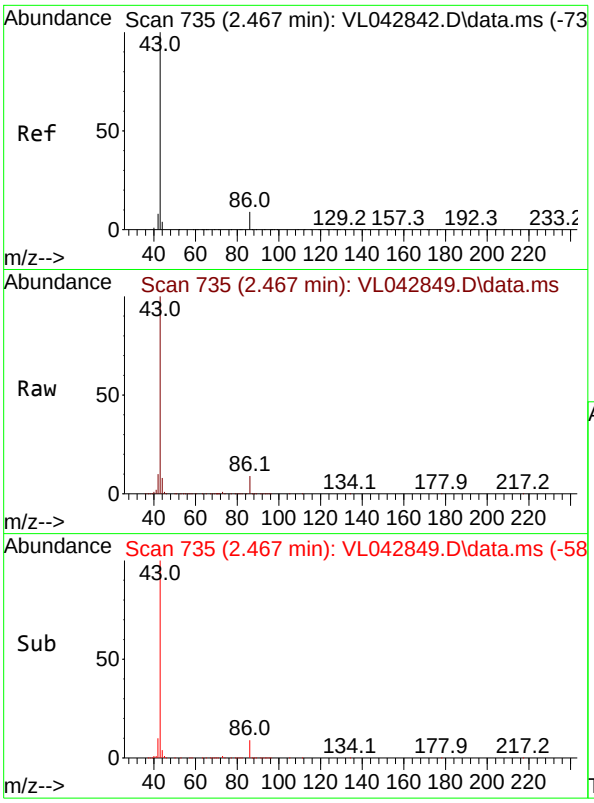


#22
trans-1,2-Dichloroethene
Concen: 8.904 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 96 Resp: 63932

Ion	Ratio	Lower	Upper
96	100		
61	171.8	132.6	199.0
98	58.3	50.0	75.0



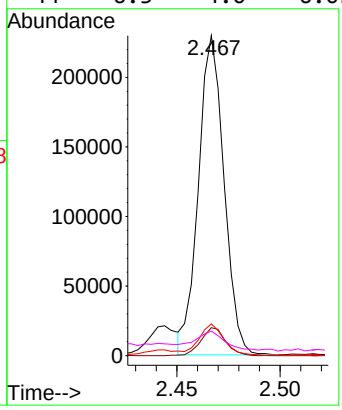


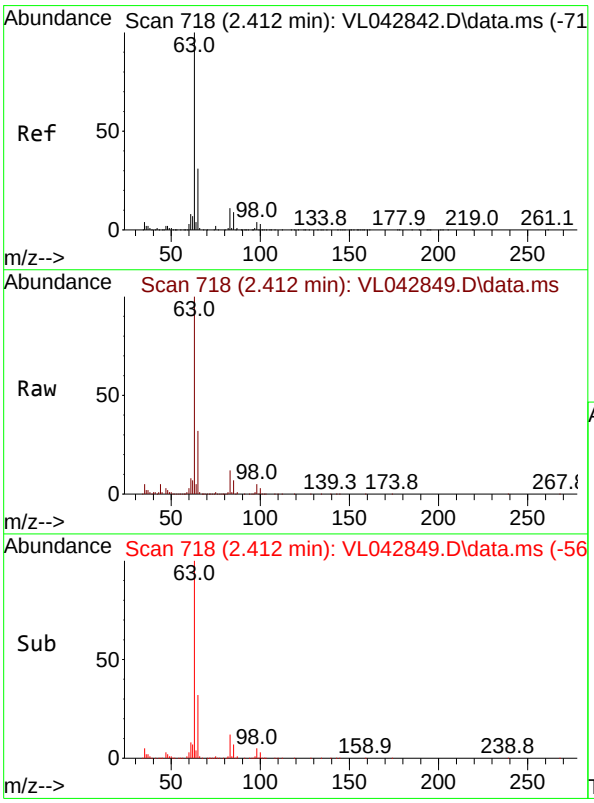
#23
Vinyl Acetate
Concen: 8.891 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 43 Resp: 198083

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.8	7.0	10.6
44	6.3	4.0	6.0#

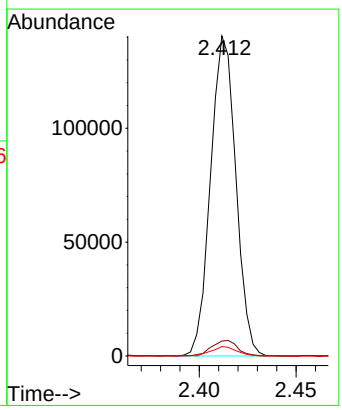


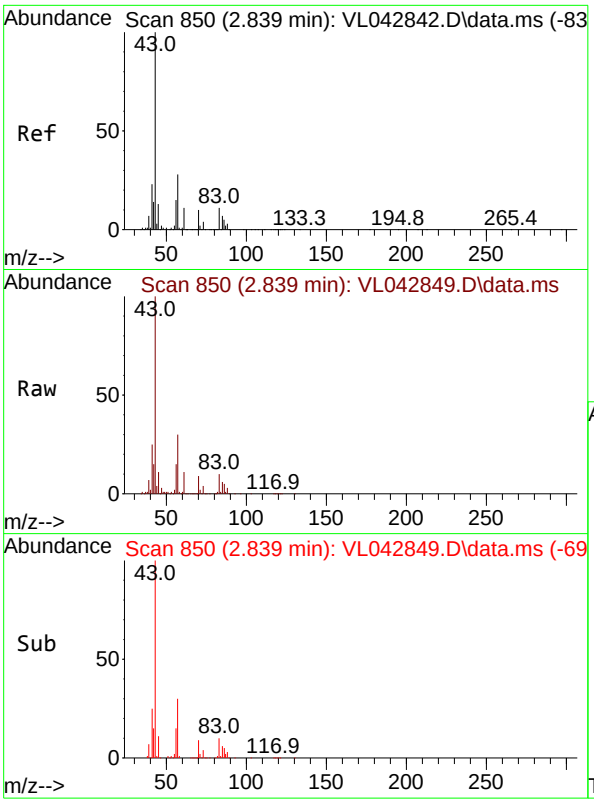


#24
1,1-Dichloroethane
Concen: 8.903 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 63 Resp: 127660

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	3.0	1.7	5.1



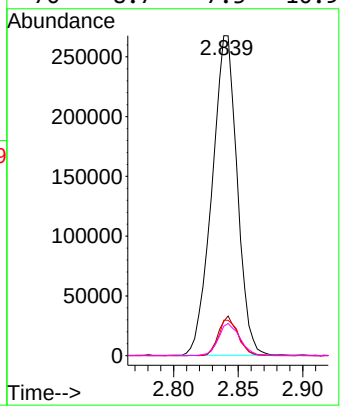


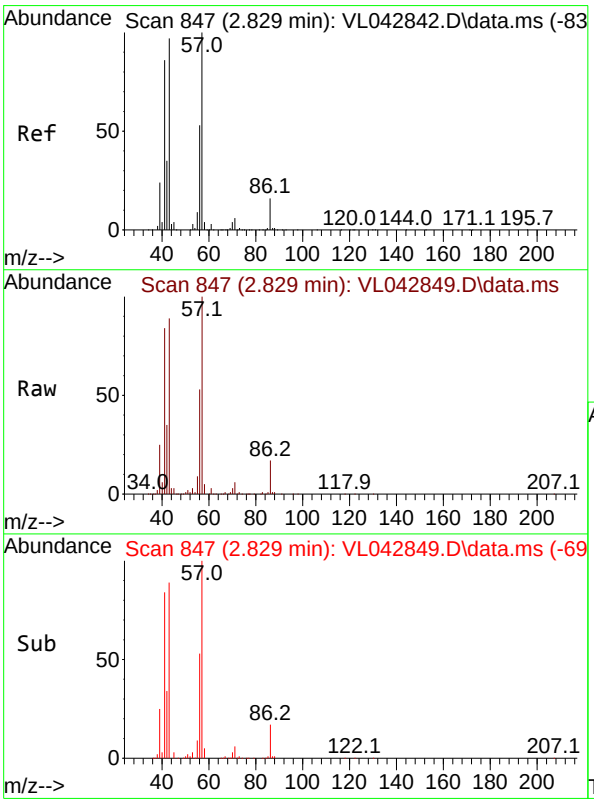
#25
Ethyl Acetate
Concen: 9.240 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 43 Resp: 362325

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	9.1	7.4	11.2
70	8.7	7.3	10.9

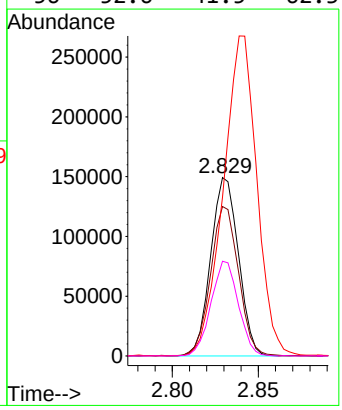


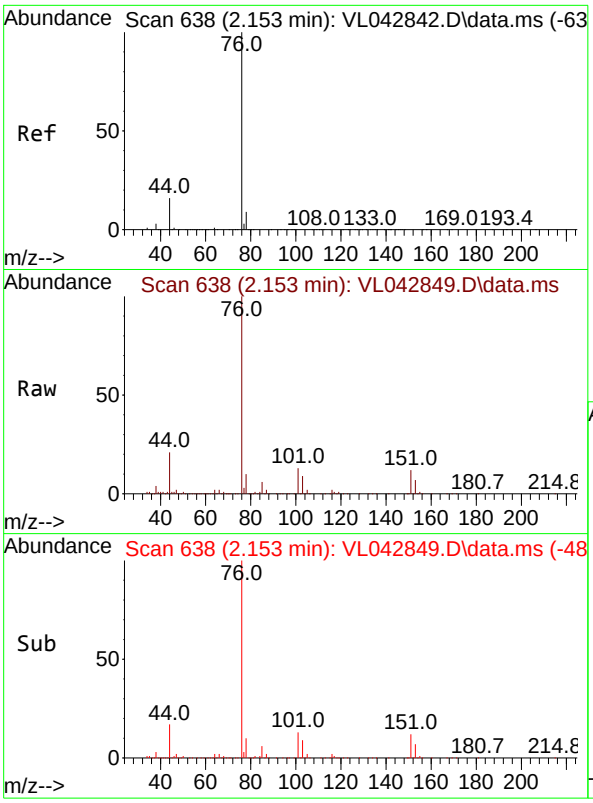


#26
Hexane
Concen: 9.246 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 57 Resp: 167364

Ion	Ratio	Lower	Upper
57	100		
41	85.0	68.6	103.0
43	218.2	168.5	252.7
56	52.6	41.5	62.3



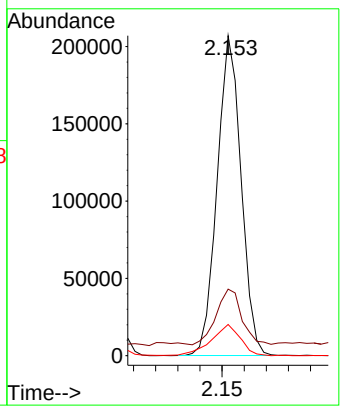


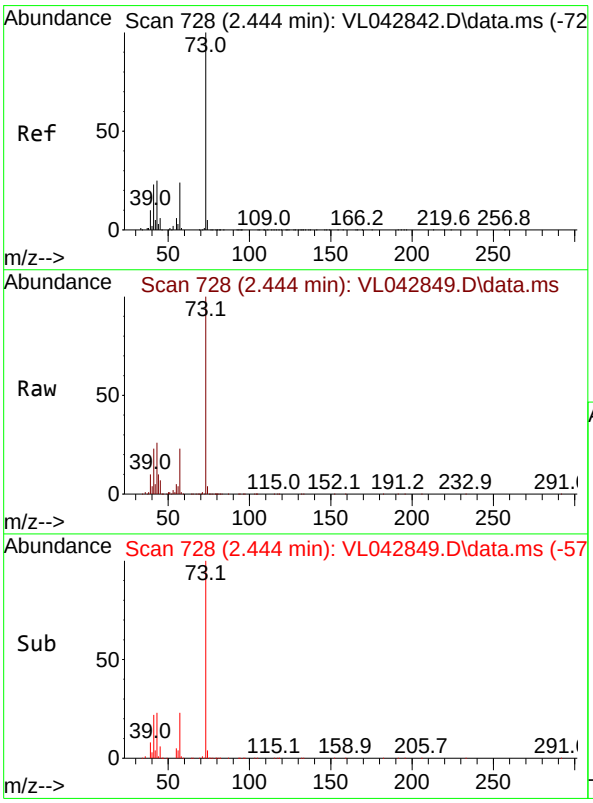
#27
Carbon Disulfide
Concen: 8.841 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 76 Resp: 155729

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.9	23.9
78	11.9	9.5	14.3

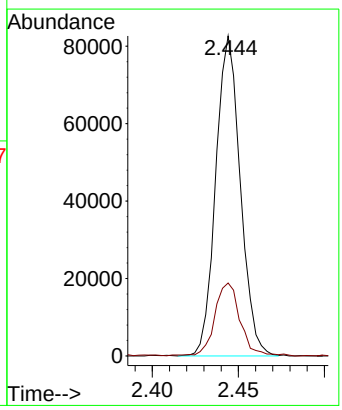


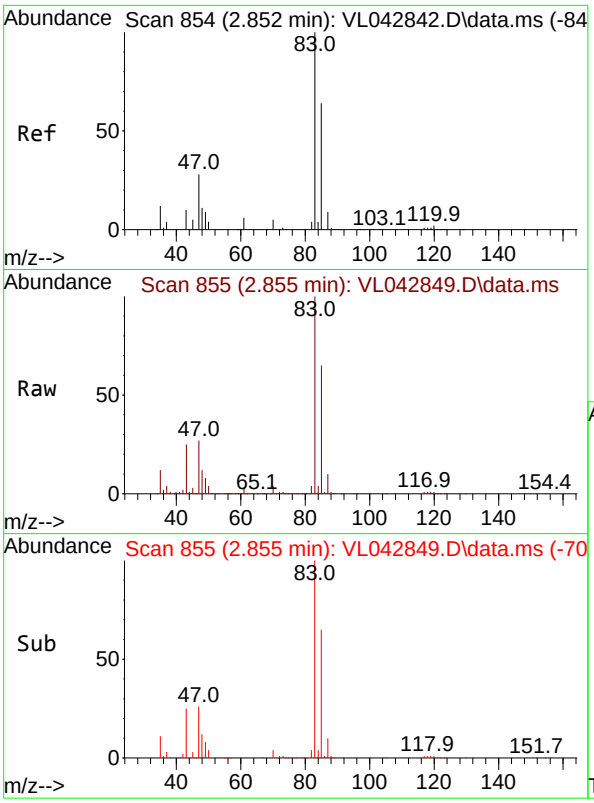


#28
Methyl tert-Butyl Ether
Concen: 8.898 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 73 Resp: 82126

Ion	Ratio	Lower	Upper
73	100		
57	22.9	21.6	32.4



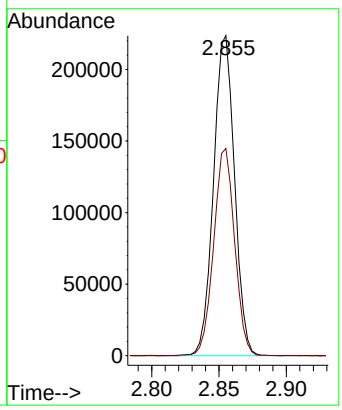


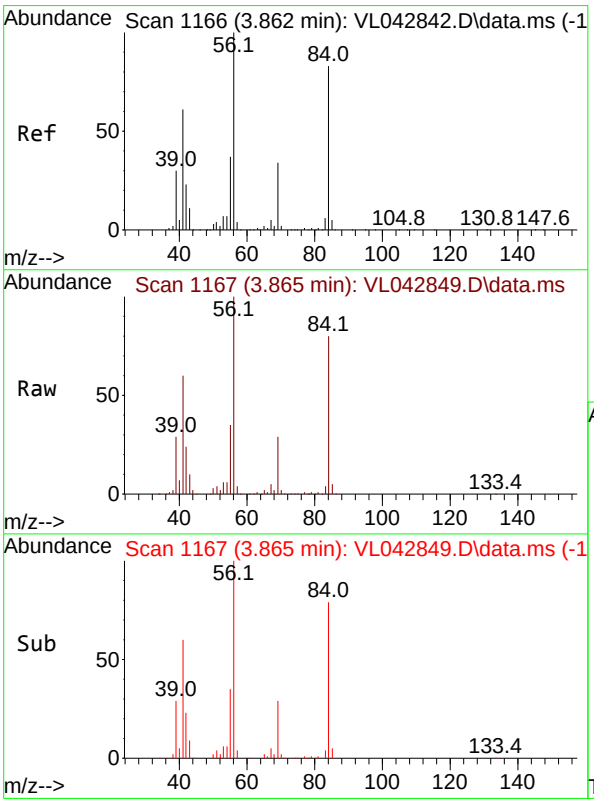
#29
Chloroform
Concen: 9.377 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 83 Resp: 242320

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7

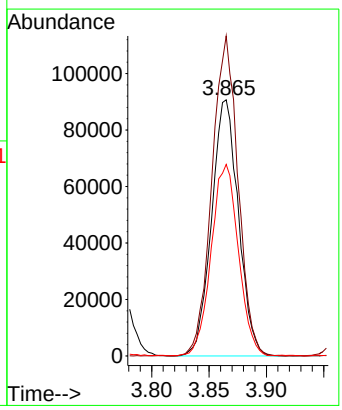


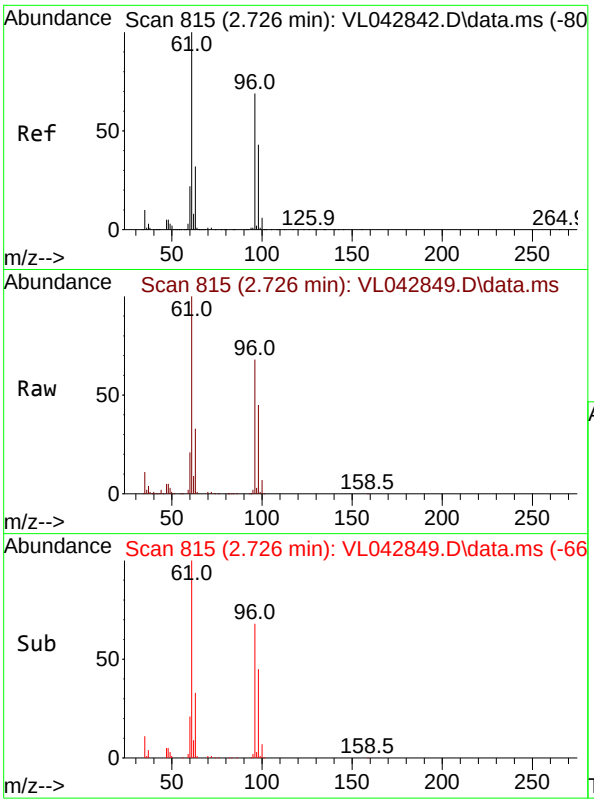


#30
Cyclohexane
Concen: 9.289 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 84 Resp: 147417

Ion	Ratio	Lower	Upper
84	100		
56	122.1	98.8	148.2
41	75.8	61.3	91.9



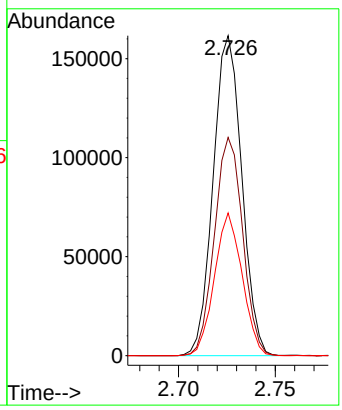


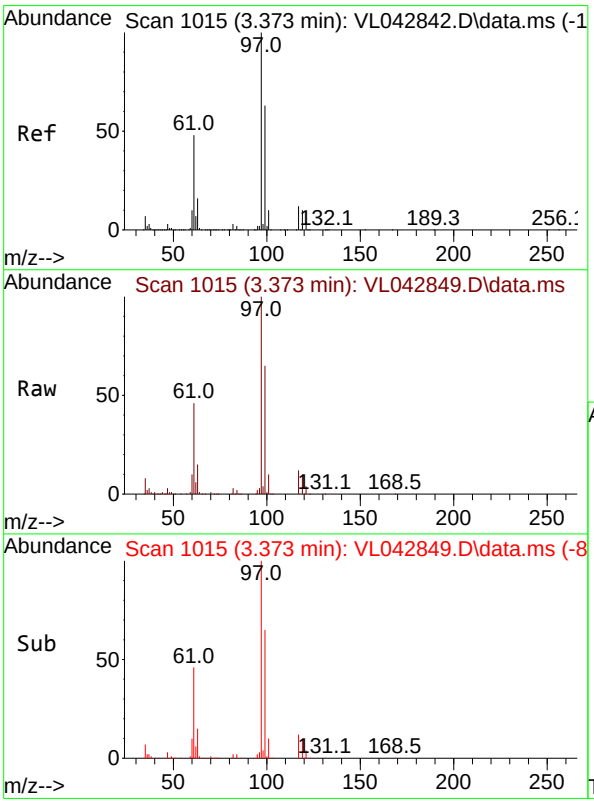
#31
cis-1,2-Dichloroethene
Concen: 9.196 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 61 Resp: 166268

Ion	Ratio	Lower	Upper
61	100		
96	68.2	55.0	82.6
98	44.5	34.3	51.5

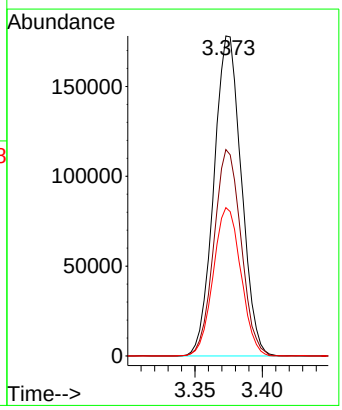


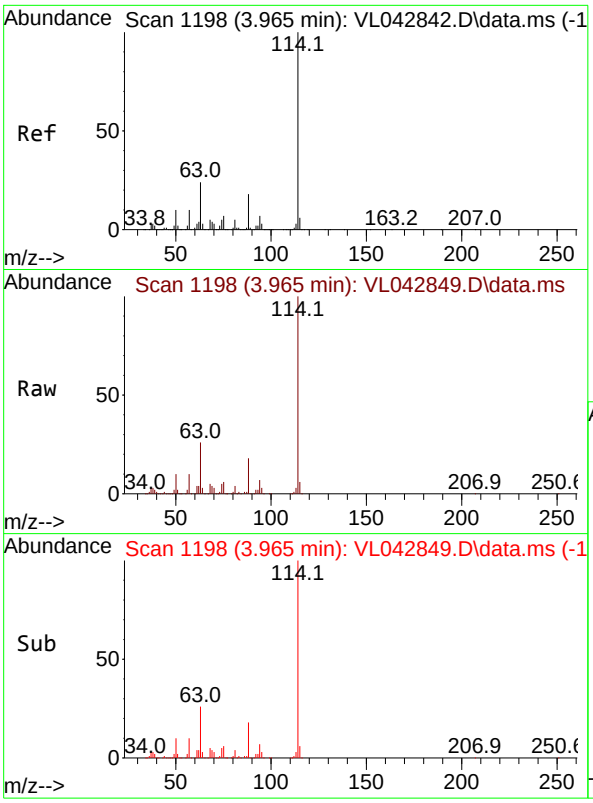


#32
1,1,1-Trichloroethane
Concen: 9.256 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 97 Resp: 252813

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	46.7	38.0	57.0



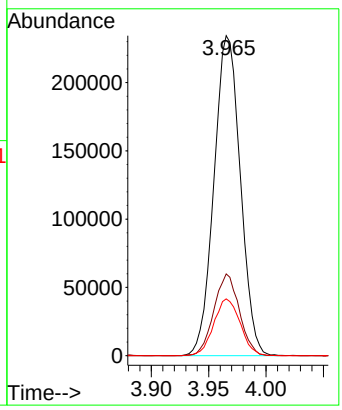


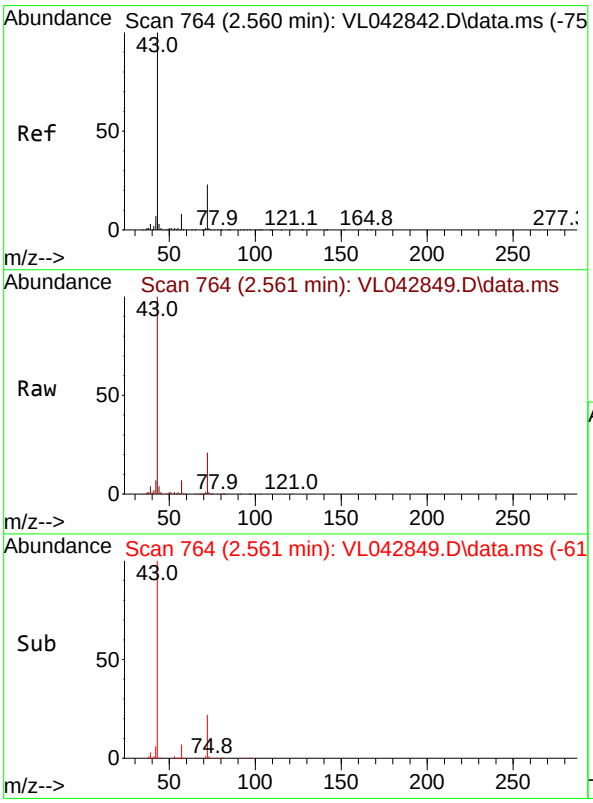
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:114 Resp: 374448

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	17.9	14.4	21.6

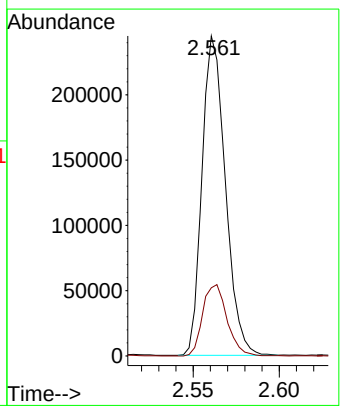


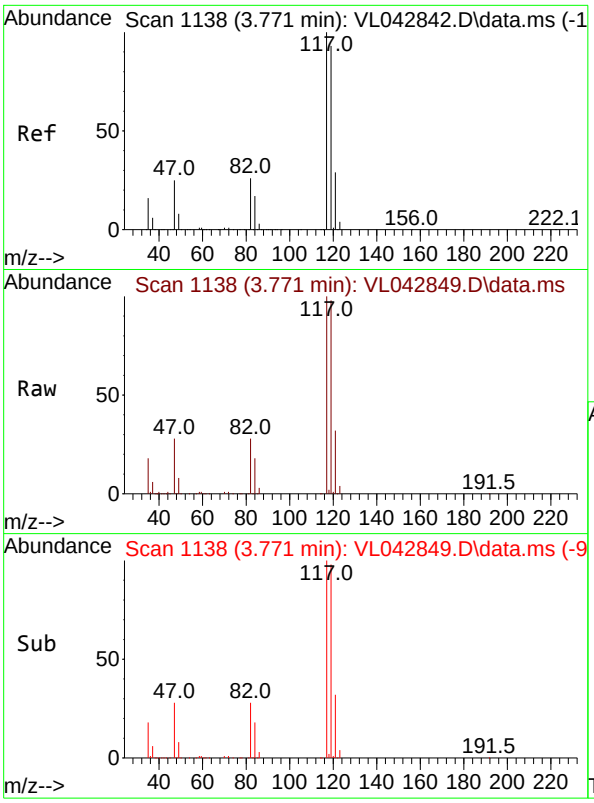


#34
2-Butanone
Concen: 9.135 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 230961

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	28.0



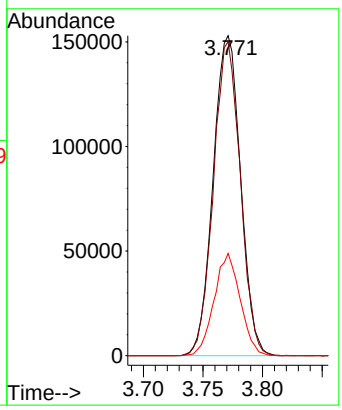


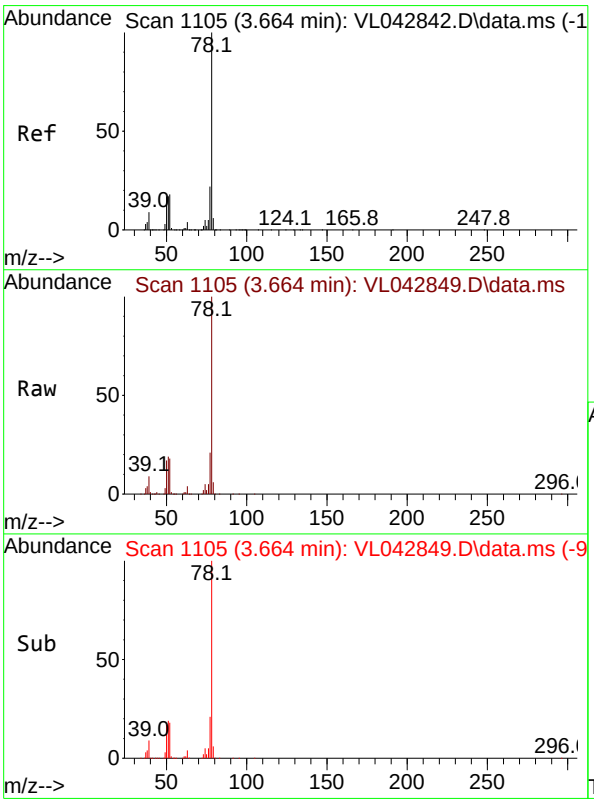
#35
Carbon Tetrachloride
Concen: 9.478 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:117 Resp: 244671

Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.7	112.1
121	32.0	23.2	34.8

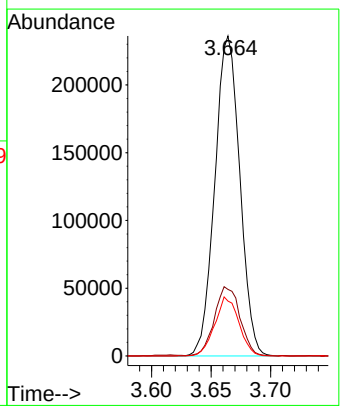


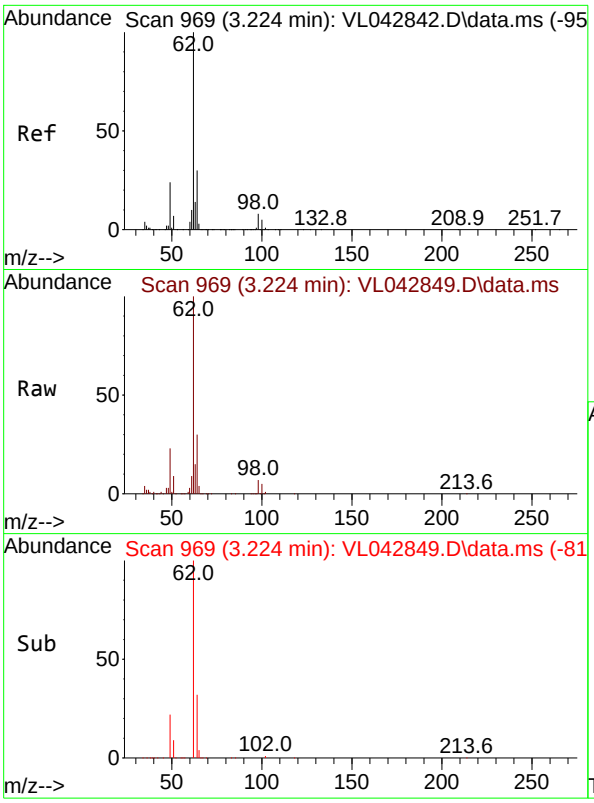


#36
Benzene
Concen: 9.592 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 78 Resp: 343952

Ion	Ratio	Lower	Upper
78	100		
77	20.8	17.7	26.5
50	17.1	13.9	20.9



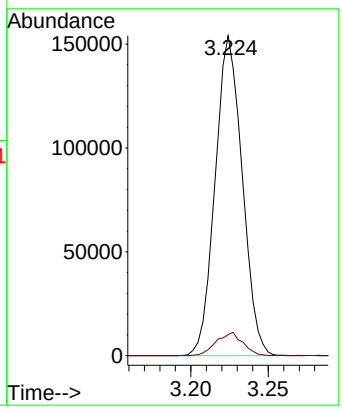


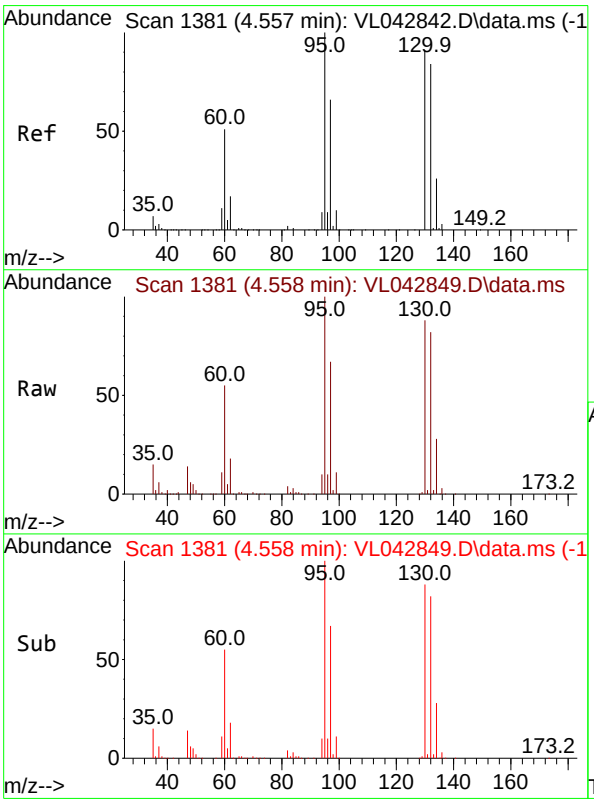
#37
1,2-Dichloroethane
Concen: 9.991 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 62 Resp: 187160

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.9	8.9

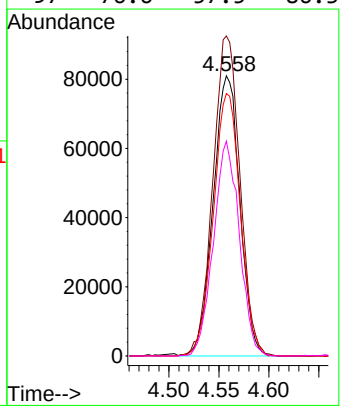


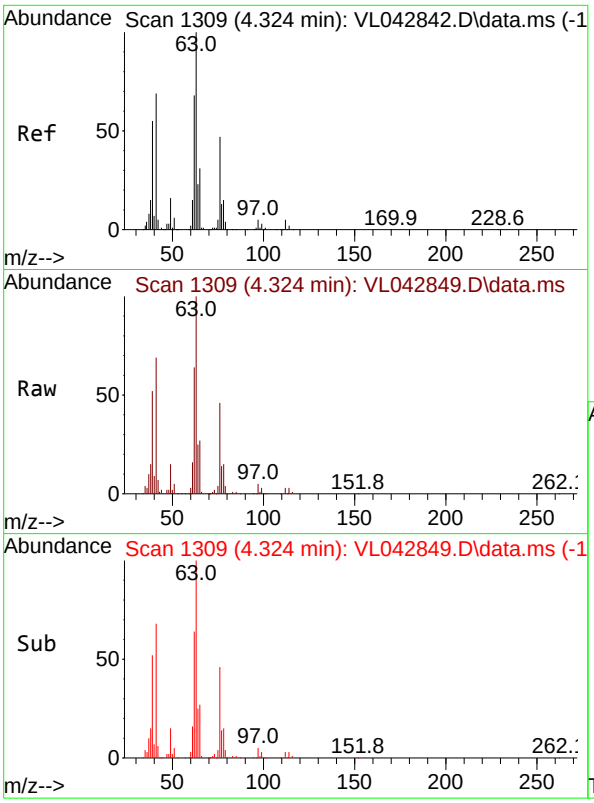


#38
Trichloroethene
Concen: 9.202 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:130 Resp: 150693

Ion	Ratio	Lower	Upper
130	100		
95	114.2	87.6	131.4
132	93.6	73.8	110.8
97	76.6	57.5	86.3



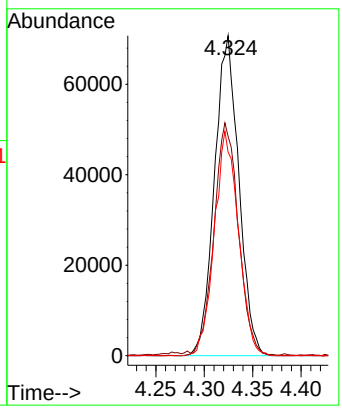


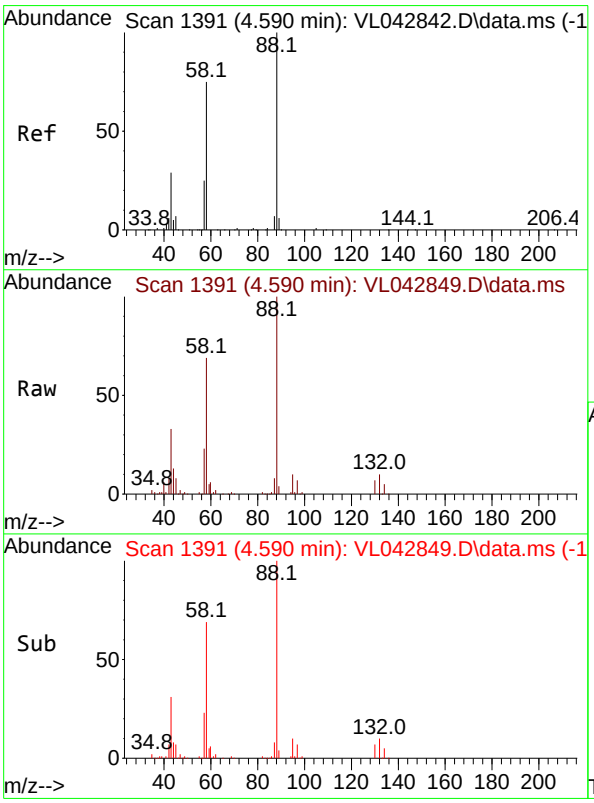
#39
1,2-Dichloropropane
Concen: 9.436 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 63 Resp: 123566

Ion	Ratio	Lower	Upper
63	100		
41	68.4	55.0	82.4
62	63.6	54.4	81.6

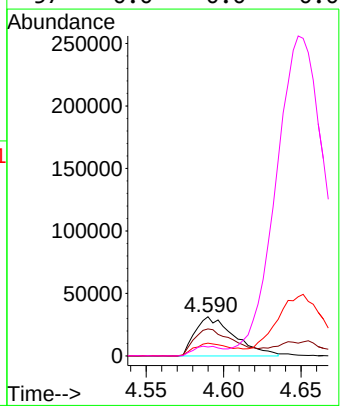


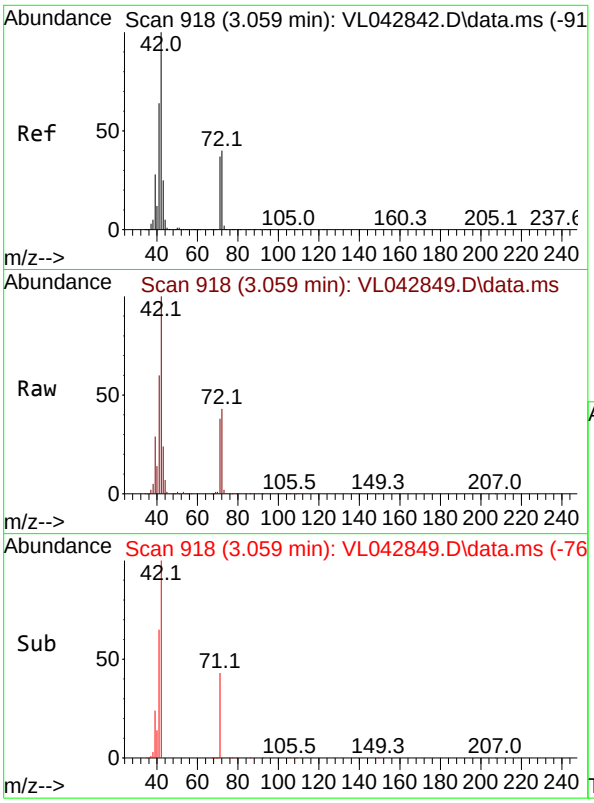


#40
1,4-Dioxane
Concen: 8.879 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 88 Resp: 55292

Ion	Ratio	Lower	Upper
88	100		
58	72.7	53.8	80.6
43	32.4	22.8	34.2
57	0.0	0.0	0.0



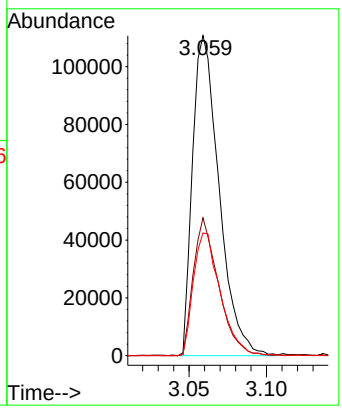


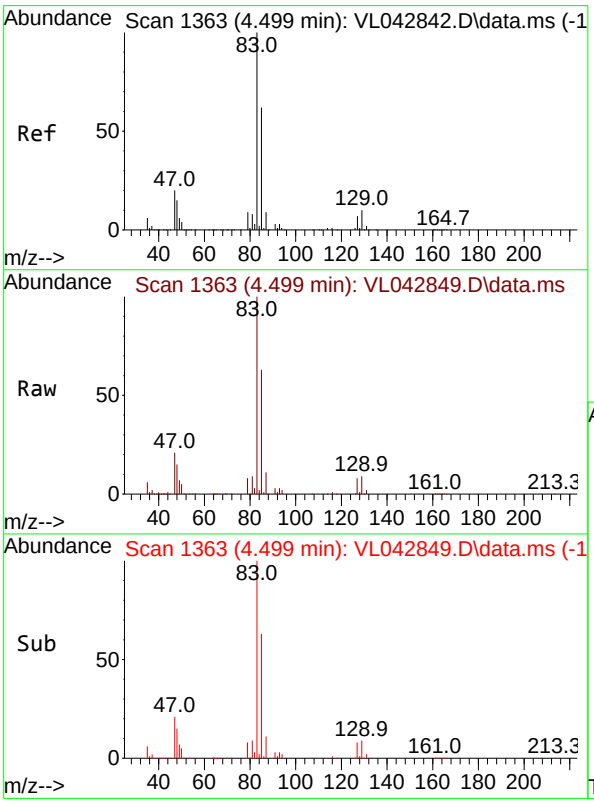
#41
Tetrahydrofuran
Concen: 9.372 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 42 Resp: 132108

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	48.8
71	39.0	30.0	45.0

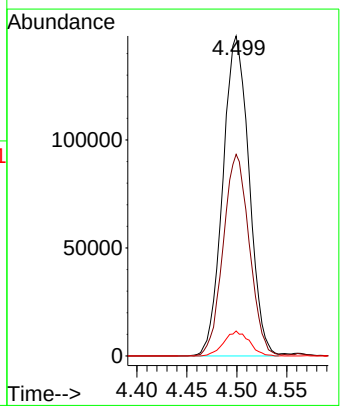


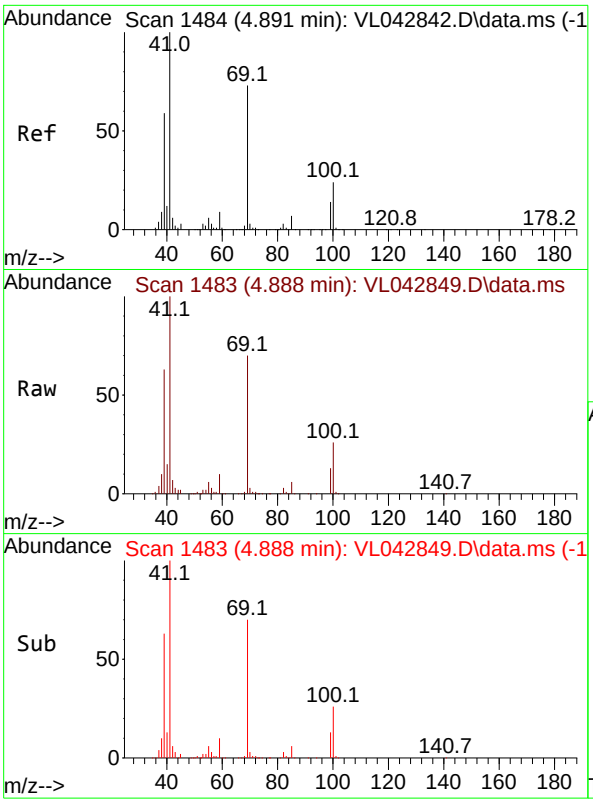


#42
Bromodichloromethane
Concen: 9.678 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 83 Resp: 270154

Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.8	74.8
127	7.8	5.8	8.6



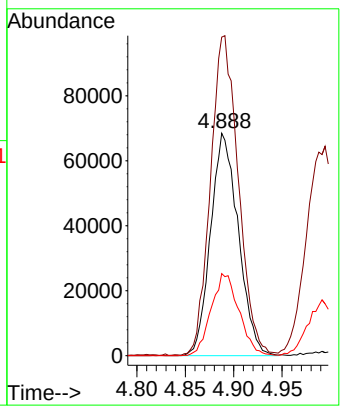


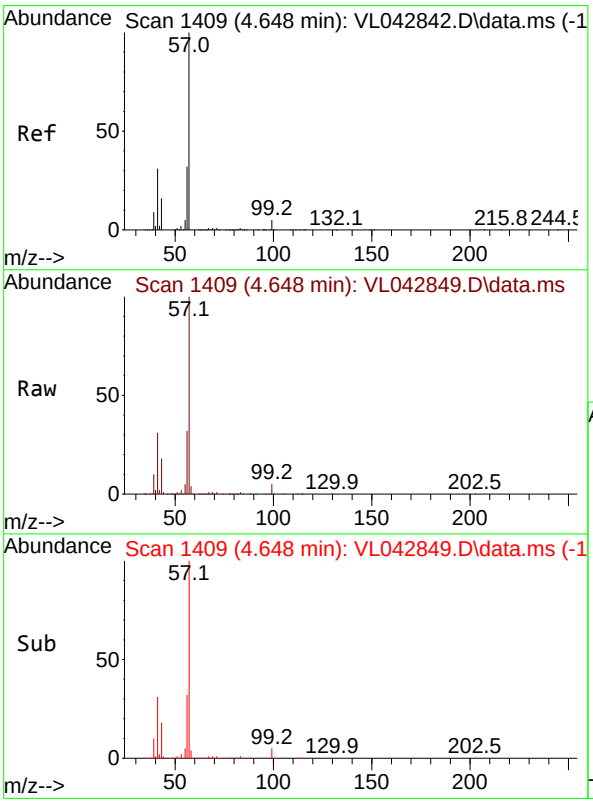
#43
Methyl Methacrylate
Concen: 9.229 ppbv
RT: 4.888 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 69 Resp: 136329

Ion	Ratio	Lower	Upper
69	100		
41	144.9	114.6	172.0
100	37.0	30.2	45.4

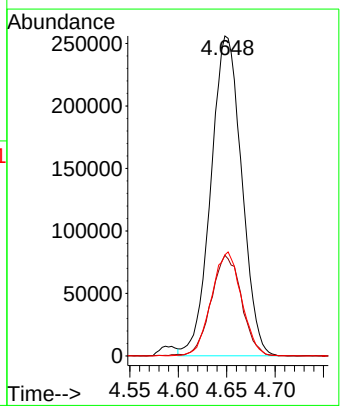


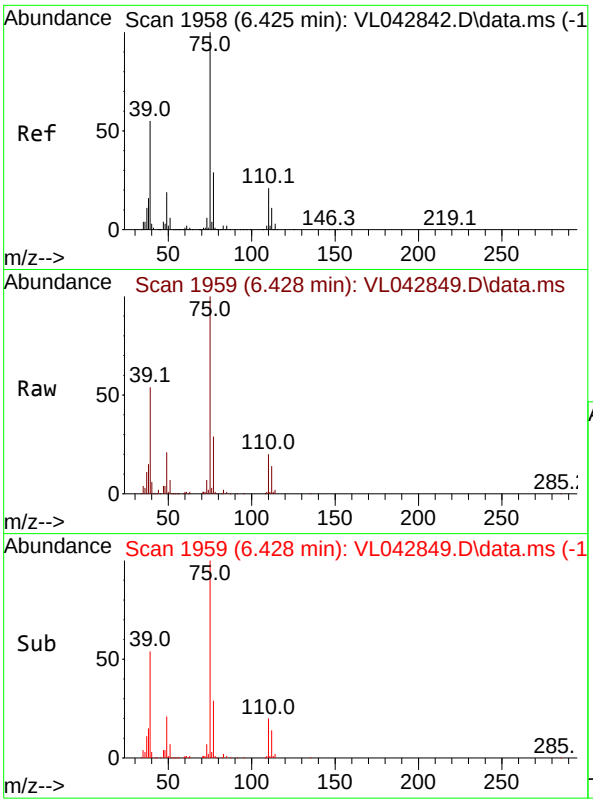


#44
2,2,4-Trimethylpentane
Concen: 9.290 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 57 Resp: 565415

Ion	Ratio	Lower	Upper
57	100		
41	31.3	24.8	37.2
56	31.9	25.5	38.3



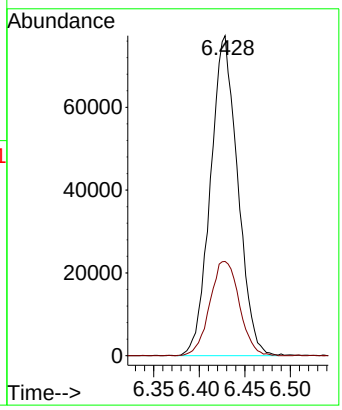


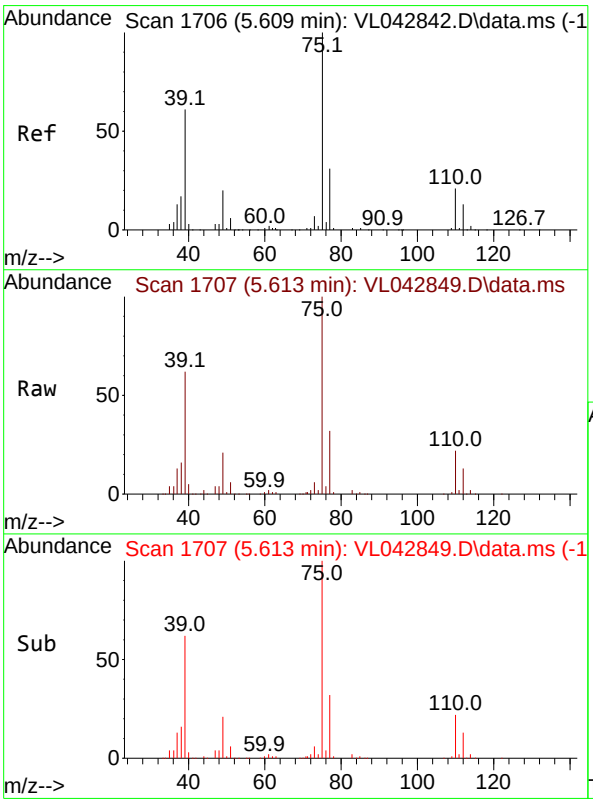
#45
t-1,3-Dichloropropene
Concen: 9.645 ppbv
RT: 6.428 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 75 Resp: 160784

Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.8	35.6

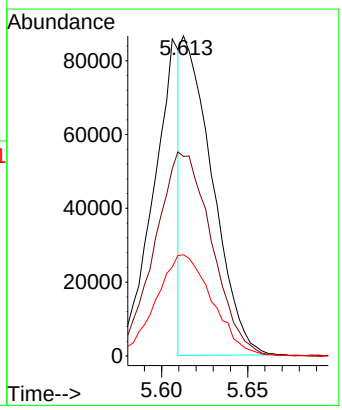


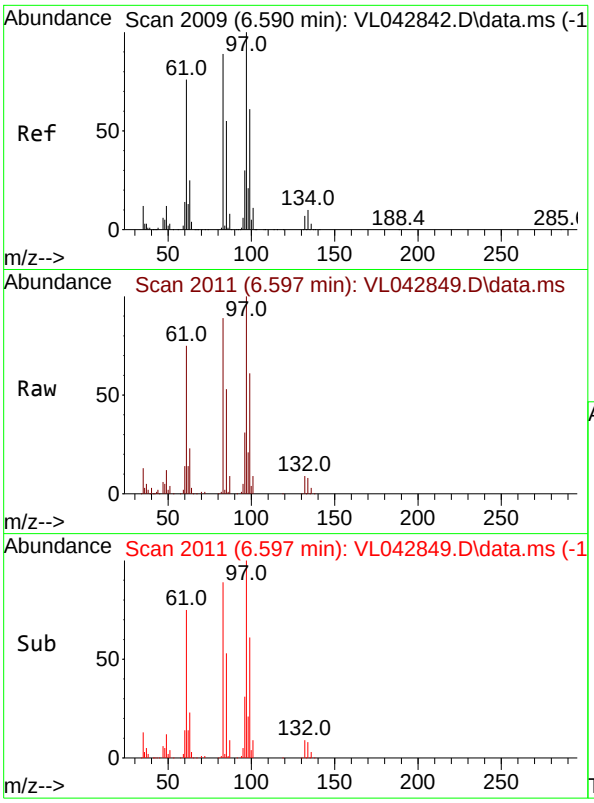


#46
cis-1,3-Dichloropropene
Concen: 5.200 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 75 Resp: 108009

Ion	Ratio	Lower	Upper
75	100		
39	62.2	48.9	73.3
77	31.6	24.9	37.3



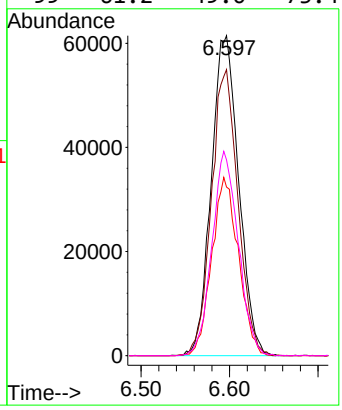


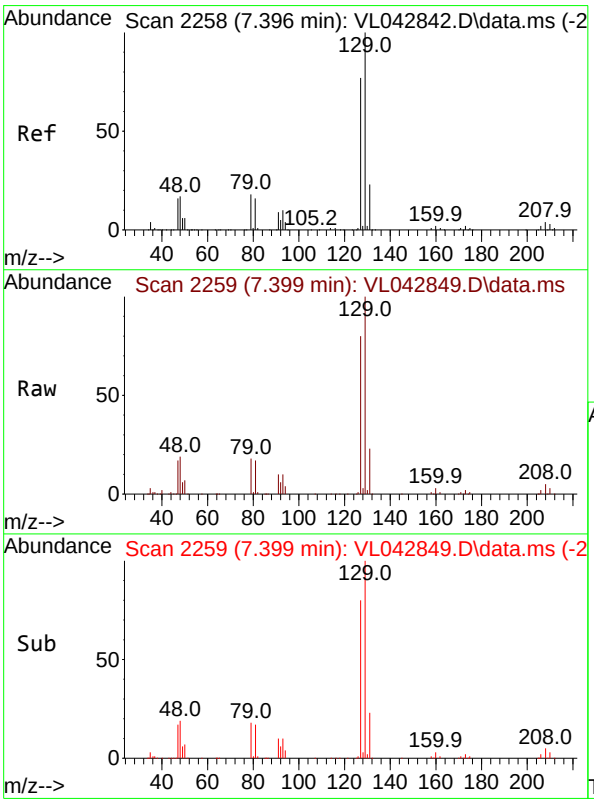
#47
1,1,2-Trichloroethane
Concen: 9.553 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 97 Resp: 132548

Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.0	106.4
85	52.6	43.6	65.4
99	61.2	49.0	73.4

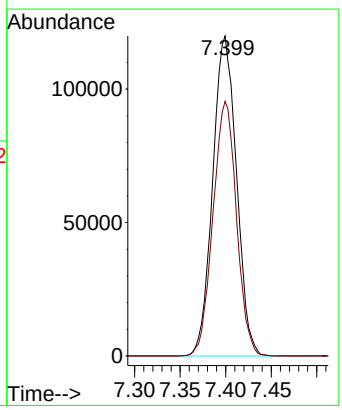


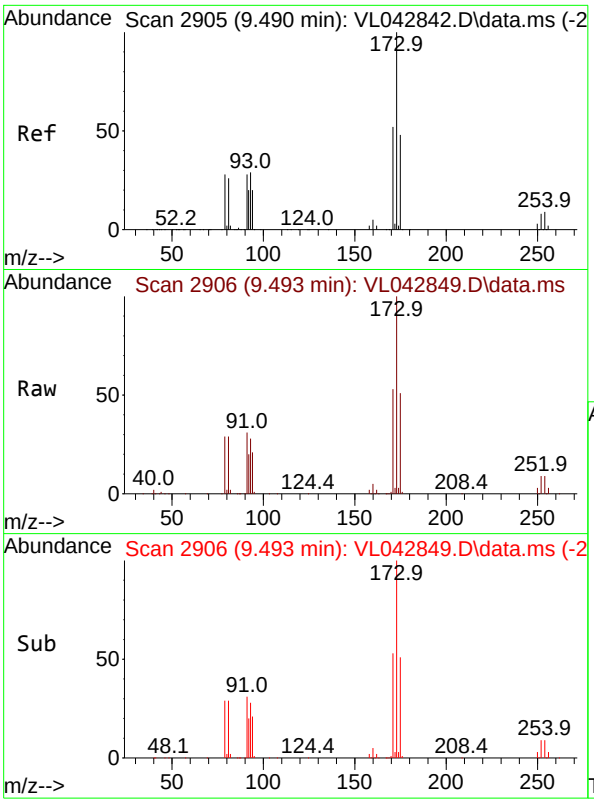


#48
Dibromochloromethane
Concen: 9.708 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:129 Resp: 217970

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.2



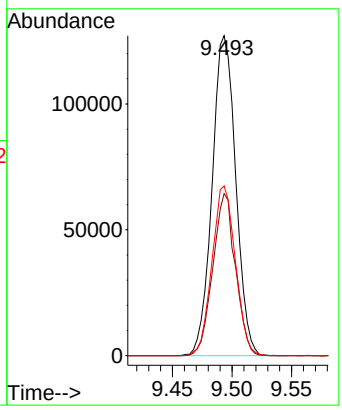


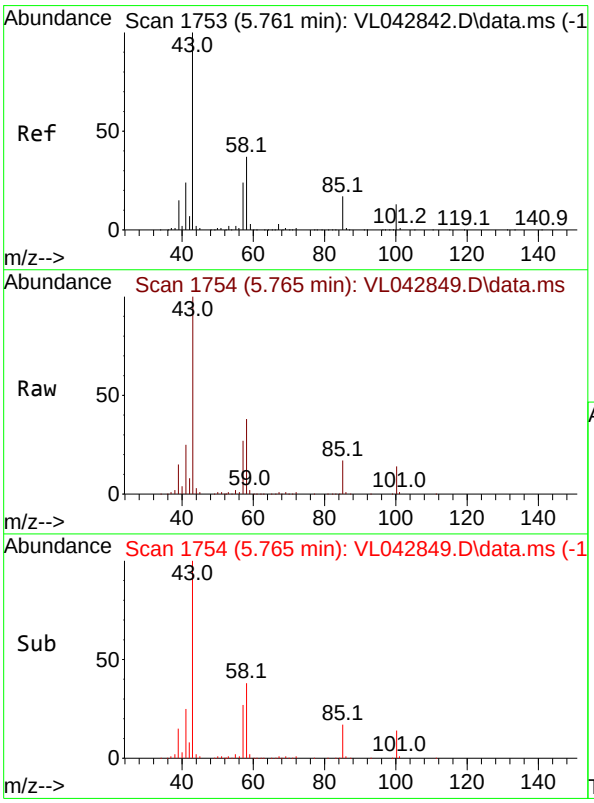
#49
Bromoform
Concen: 9.446 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:173 Resp: 174914

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.2	58.8
171	52.6	41.3	61.9

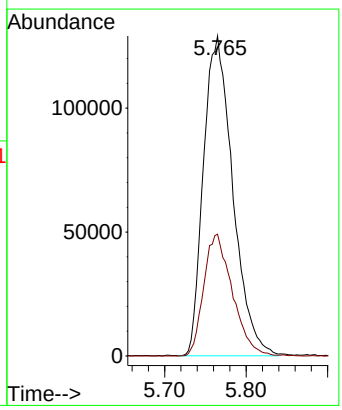


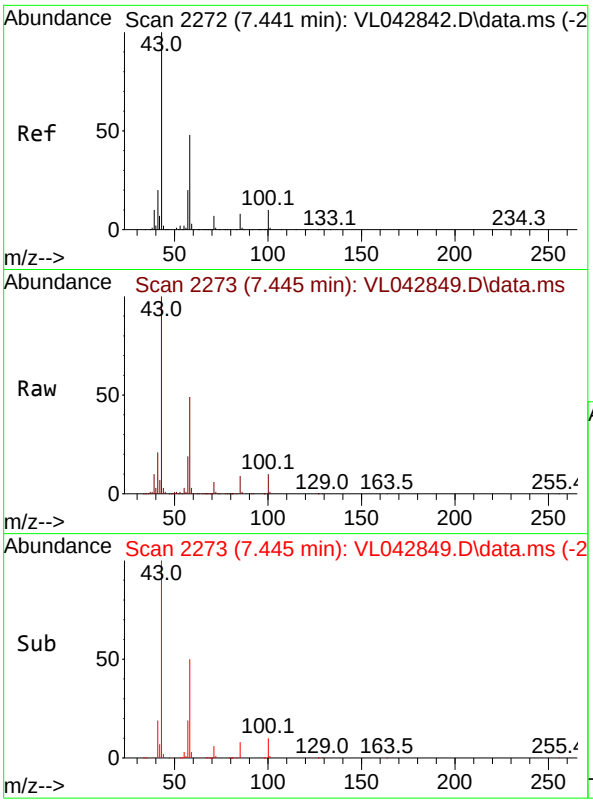


#50
4-Methyl-2-Pentanone
Concen: 9.430 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 43 Resp: 322264

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.8	44.8



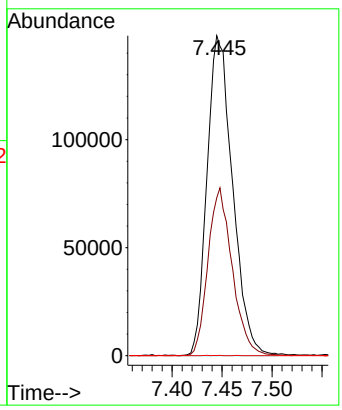


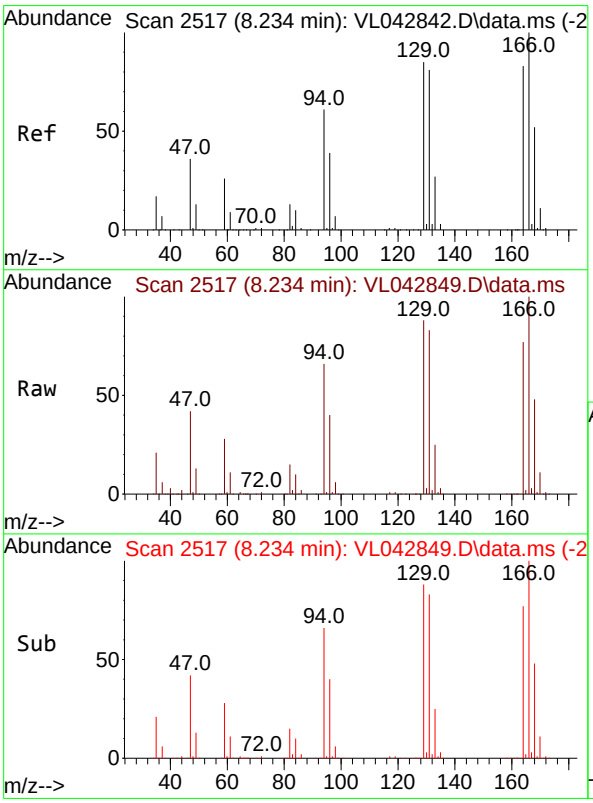
#51
2-Hexanone
Concen: 9.791 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 43 Resp: 263321

Ion	Ratio	Lower	Upper
43	100		
58	49.9	41.0	61.6
98	0.1	0.1	0.1#

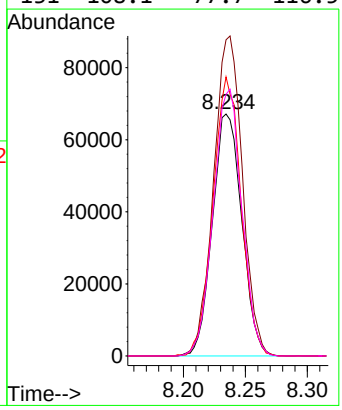


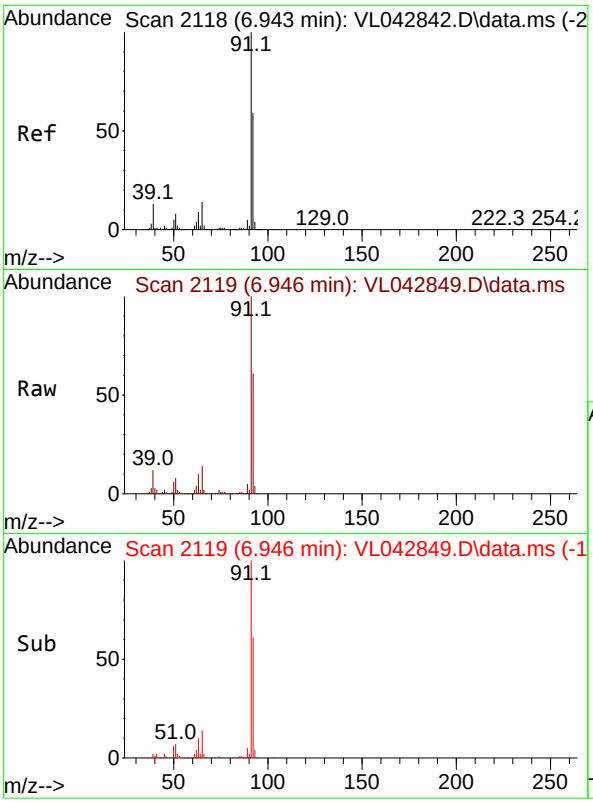


#52
Tetrachloroethene
Concen: 8.544 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:164 Resp: 110828

Ion	Ratio	Lower	Upper
164	100		
166	130.6	96.5	144.7
129	115.3	81.8	122.6
131	108.1	77.7	116.5



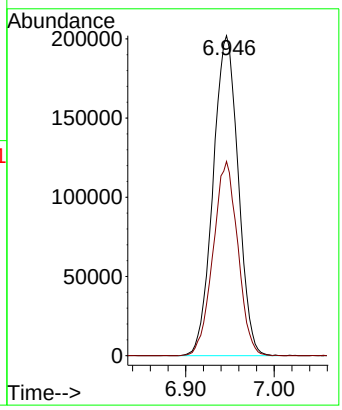


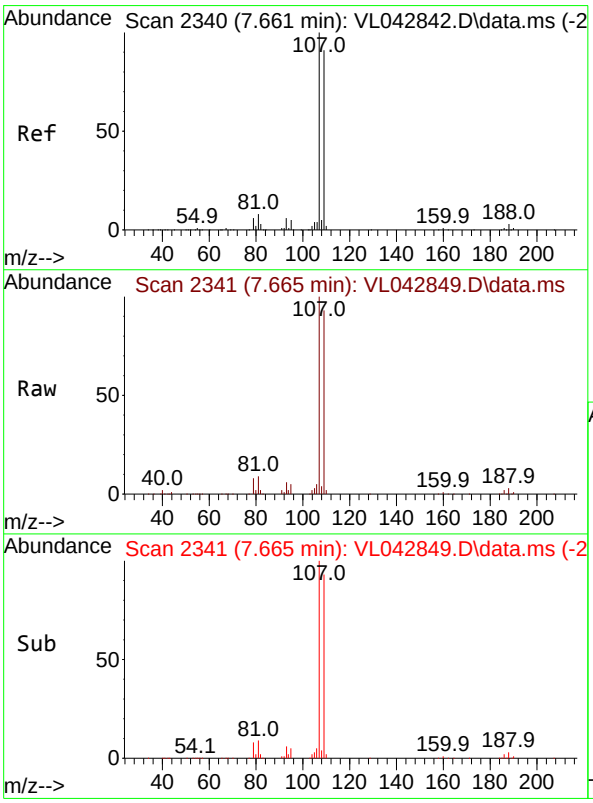
#53
Toluene
Concen: 9.340 ppbv
RT: 6.946 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 91 Resp: 398138

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6

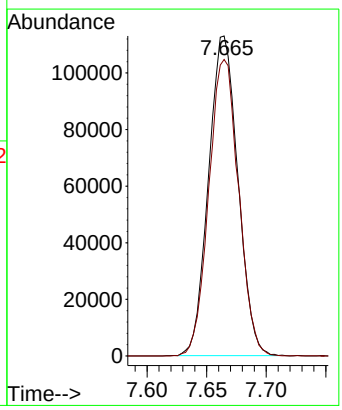


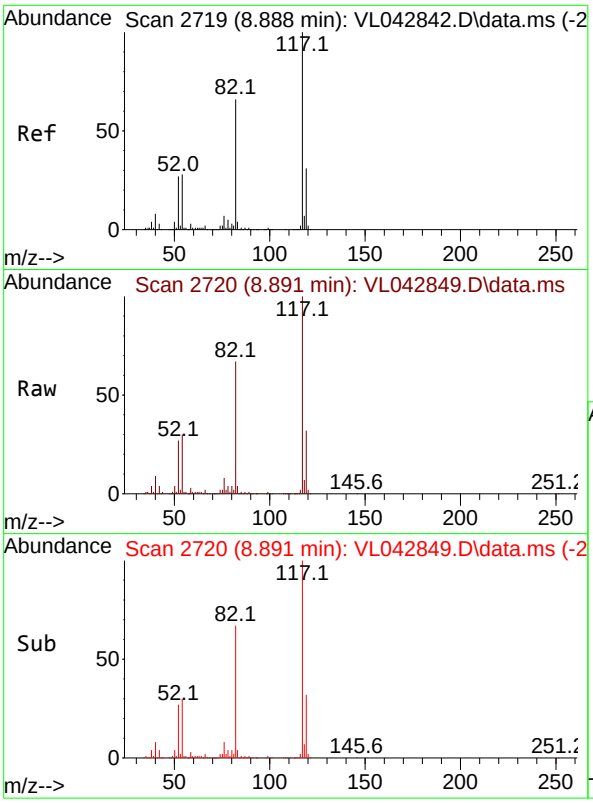


#54
1,2-Dibromoethane
Concen: 9.535 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:107 Resp: 193340

Ion	Ratio	Lower	Upper
107	100		
109	92.7	72.5	108.7



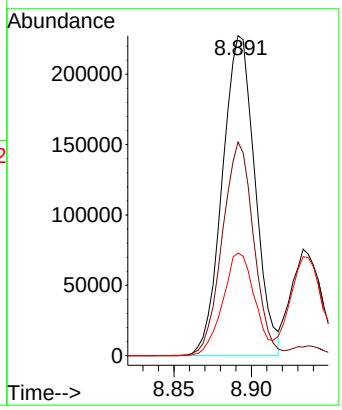


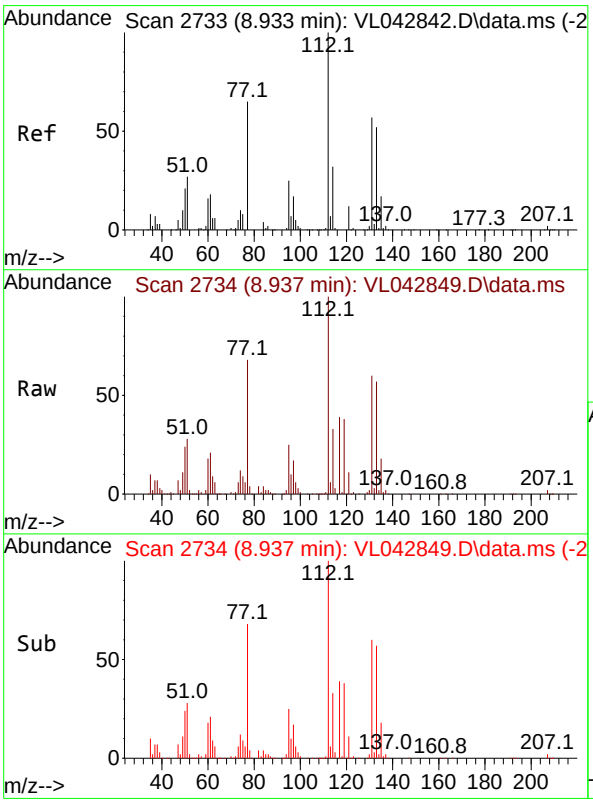
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:117 Resp: 333493

Ion	Ratio	Lower	Upper
117	100		
82	67.3	54.6	81.8
119	31.8	25.9	38.9

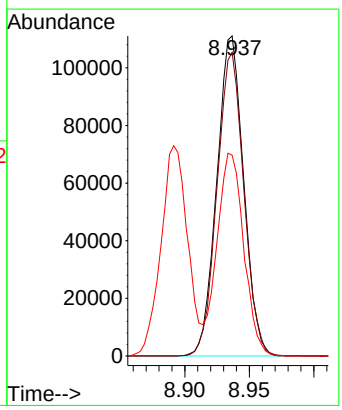


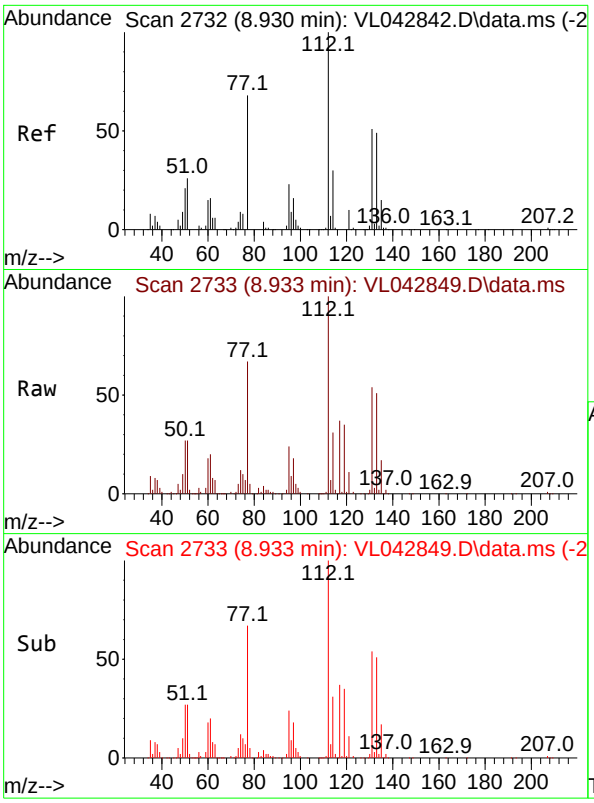


#56
1,1,1,2-Tetrachloroethane
Concen: 9.291 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:131 Resp: 160225

Ion	Ratio	Lower	Upper
131	100		
133	94.8	77.4	116.0
119	64.3	51.2	76.8



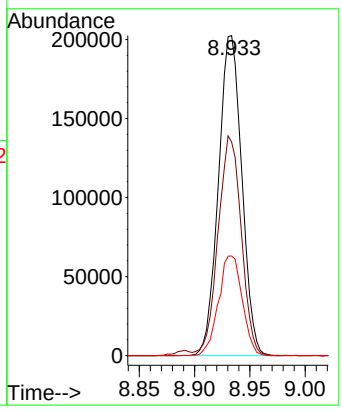


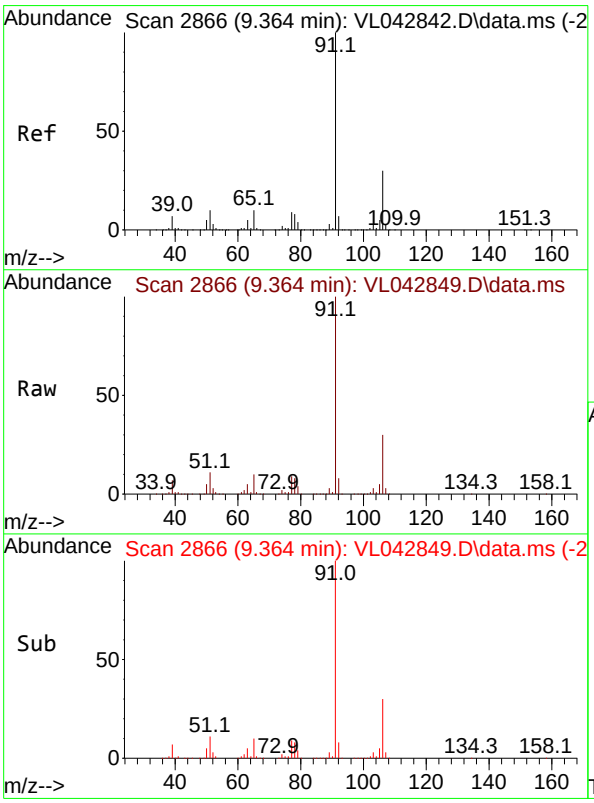
#57
Chlorobenzene
Concen: 9.378 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:112 Resp: 297375

Ion	Ratio	Lower	Upper
112	100		
77	66.6	55.5	83.3
114	31.2	27.2	33.2

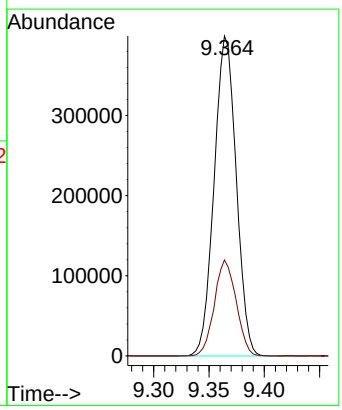


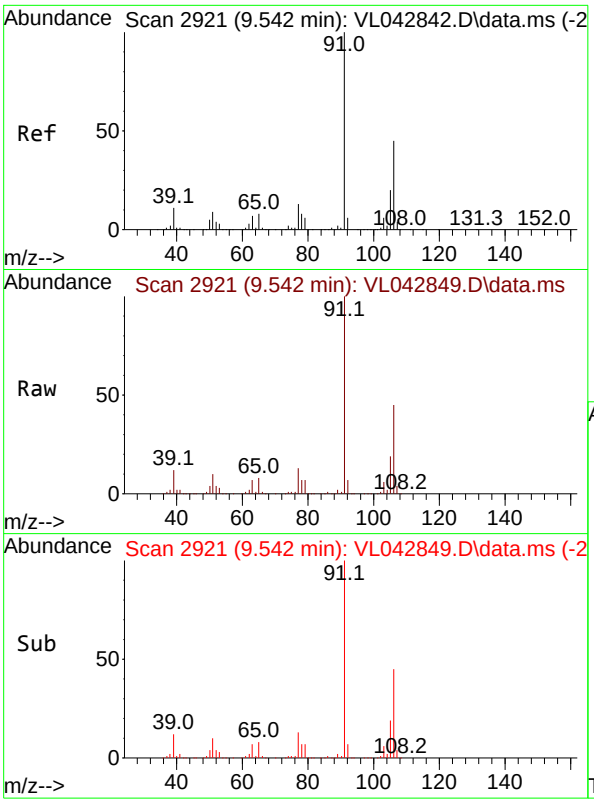


#58
Ethyl Benzene
Concen: 9.414 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 554015

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



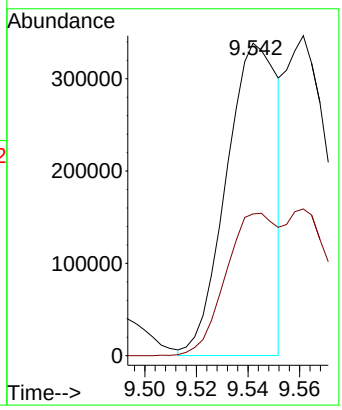


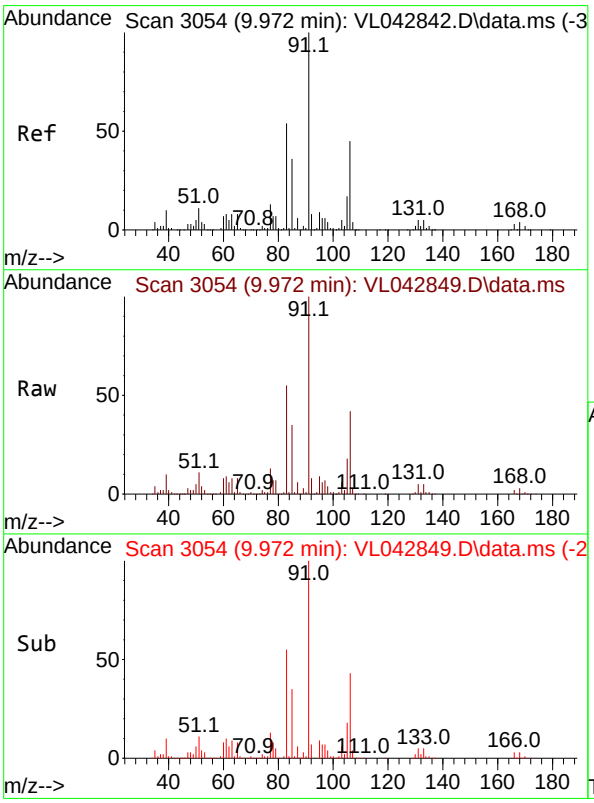
#59
m/p-Xylene
Concen: 10.029 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 91 Resp: 462620

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

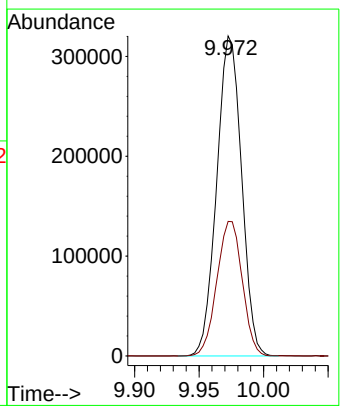


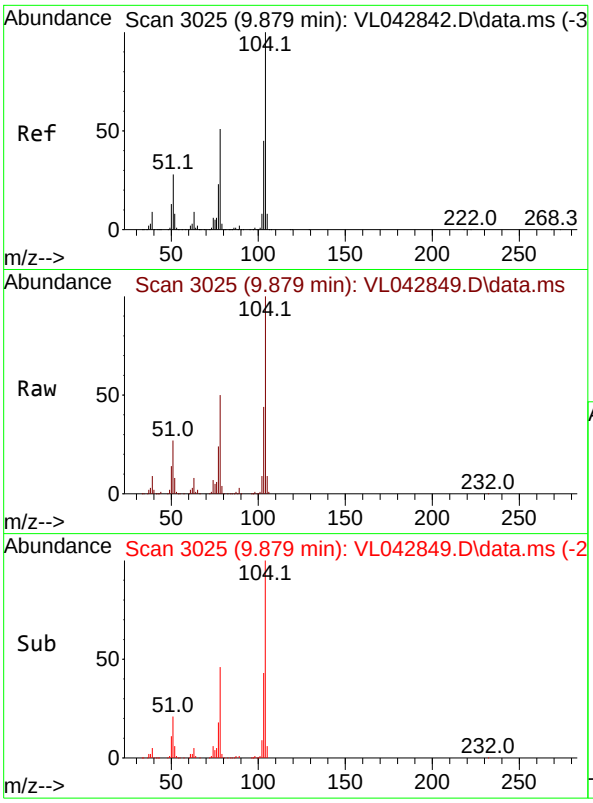


#60
o-Xylene
Concen: 9.239 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 428721

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.8	65.4



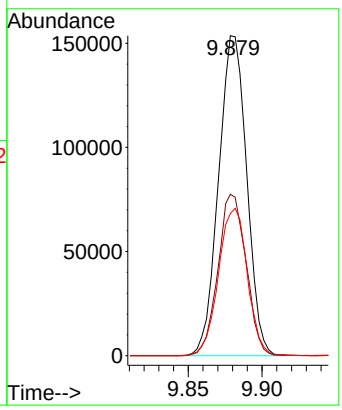


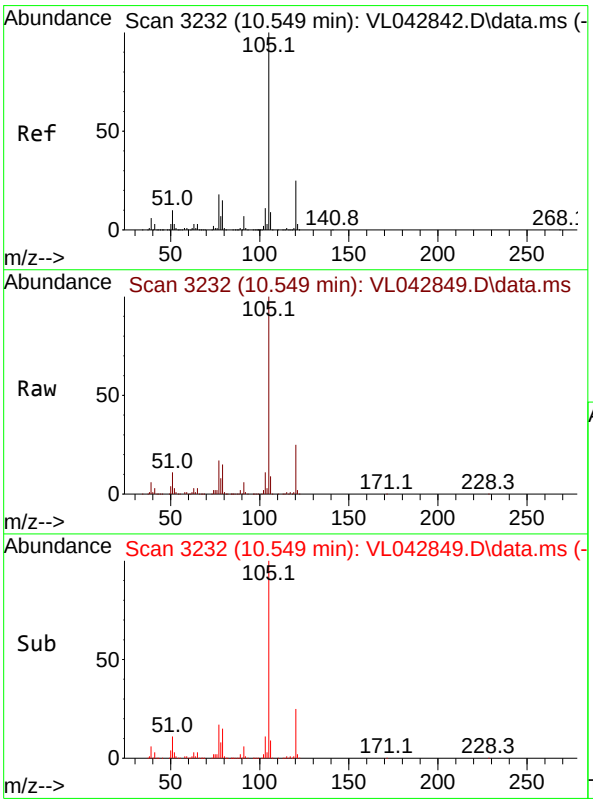
#61
Styrene
Concen: 9.377 ppbv
RT: 9.879 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:104 Resp: 203858

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	61.0
103	47.1	37.7	56.5

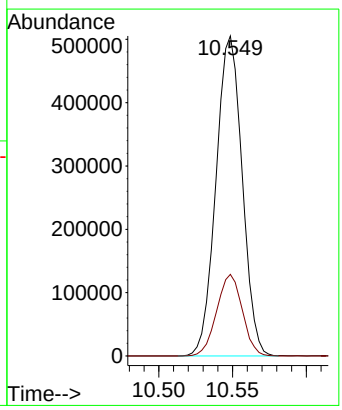


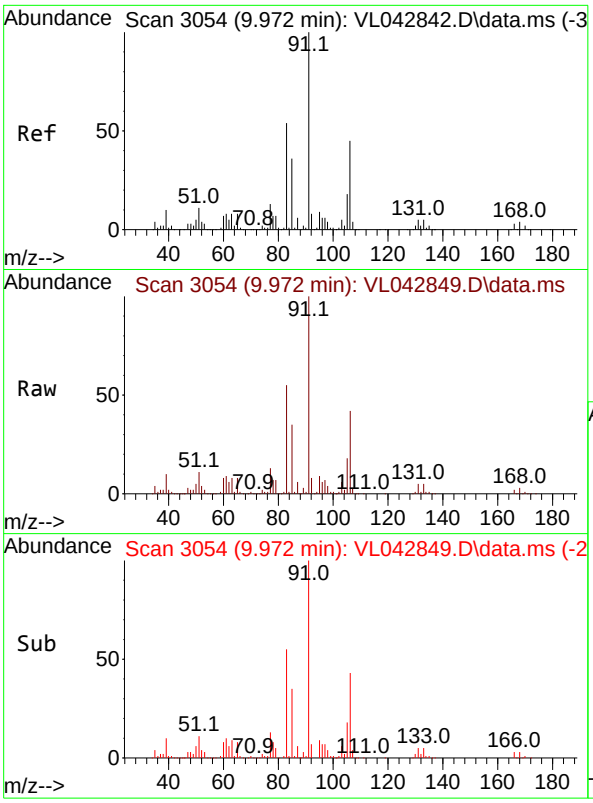


#62
Isopropylbenzene
Concen: 9.206 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 624287

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	30.8



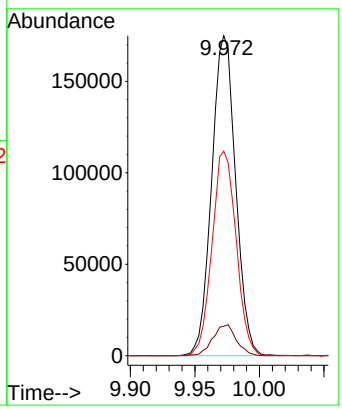


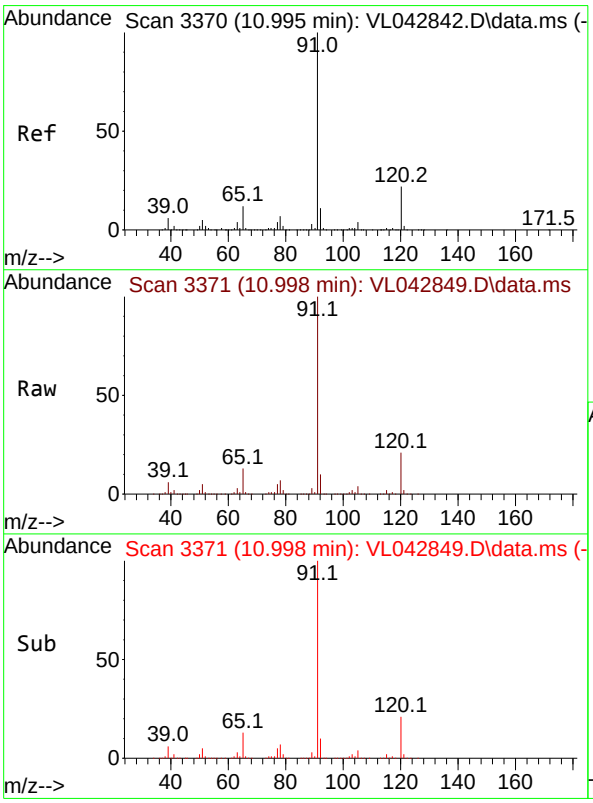
#63
1,1,2,2-Tetrachloroethane
Concen: 8.826 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 83 Resp: 225237

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.4	32.3	96.8

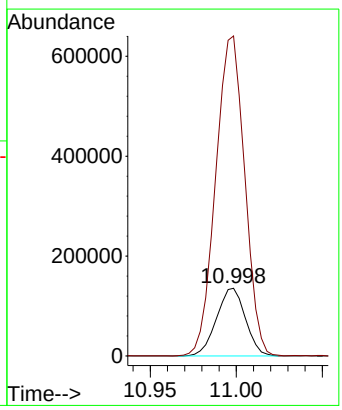


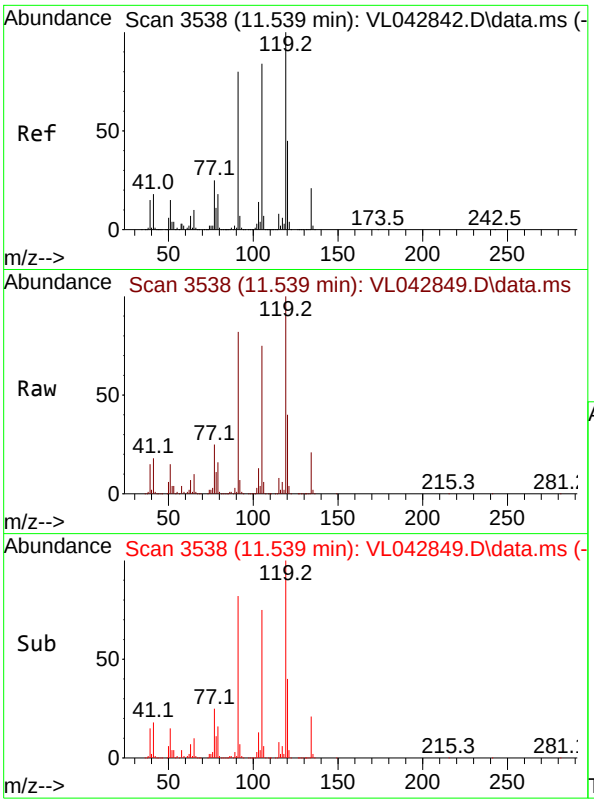


#64
n-propylbenzene
Concen: 9.145 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:120 Resp: 158234

Ion	Ratio	Lower	Upper
120	100		
91	476.9	375.8	563.6



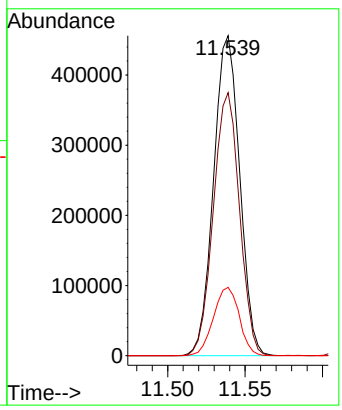


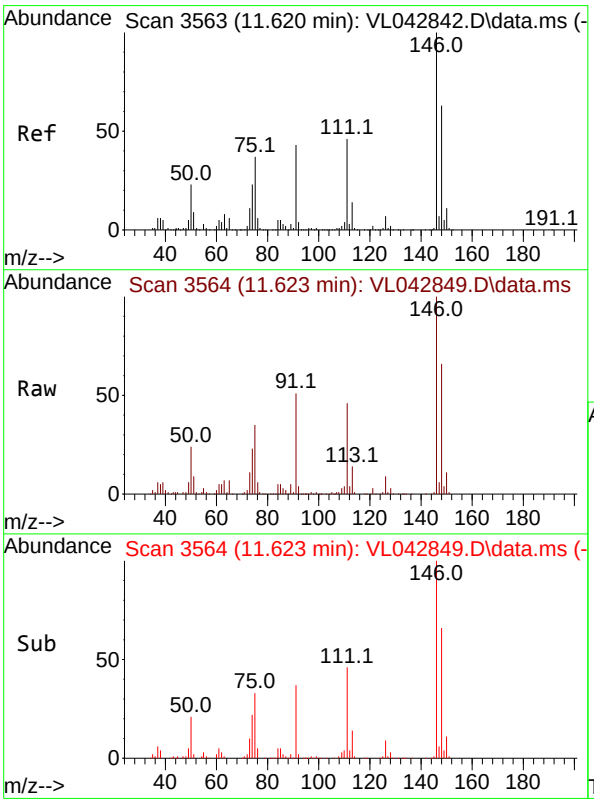
#65
tert-Butylbenzene
Concen: 8.946 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:119 Resp: 534795

Ion	Ratio	Lower	Upper
119	100		
91	82.2	63.9	95.9
134	21.1	17.0	25.4

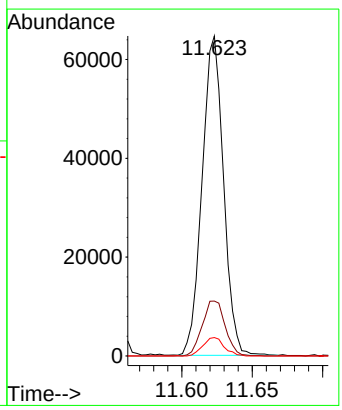


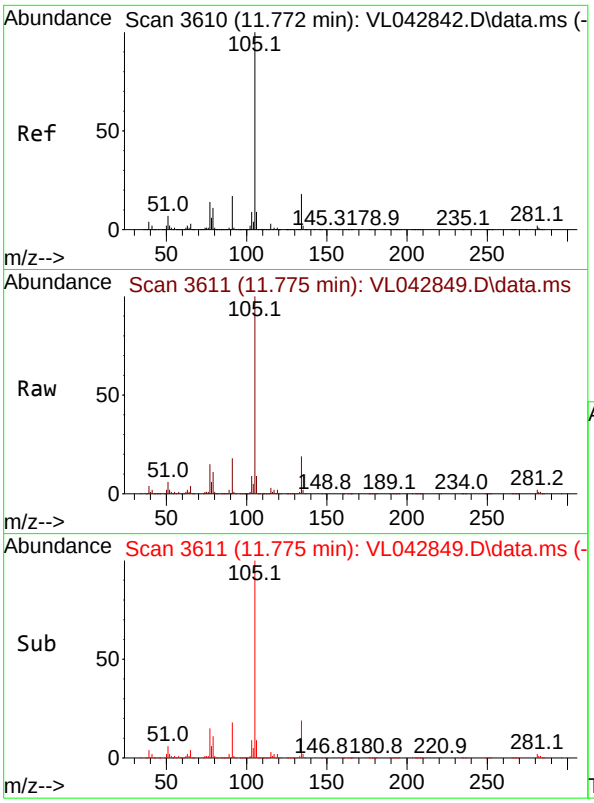


#66
Benzyl Chloride
Concen: 9.031 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 68533

Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.2	21.4
128	5.7	5.0	7.6



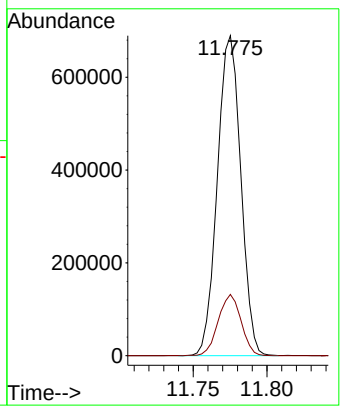


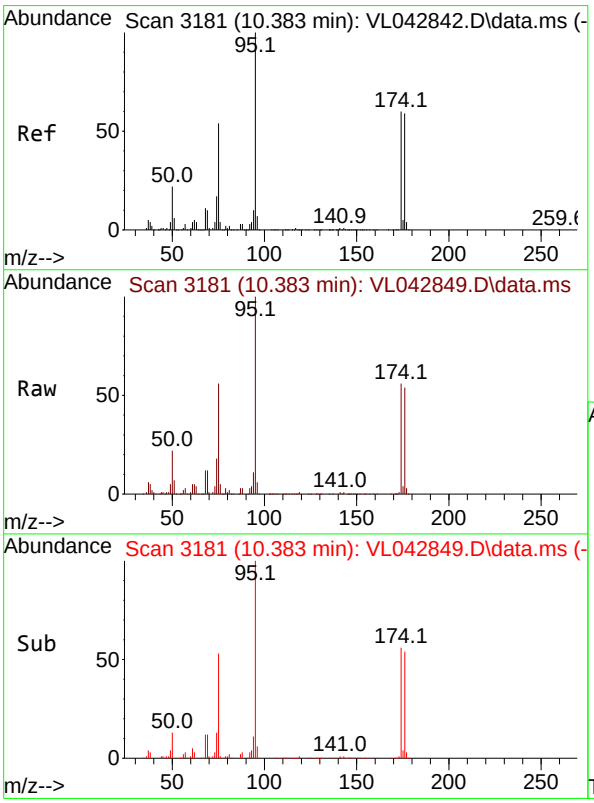
#67
sec-Butylbenzene
Concen: 9.088 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:105 Resp: 762602

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3

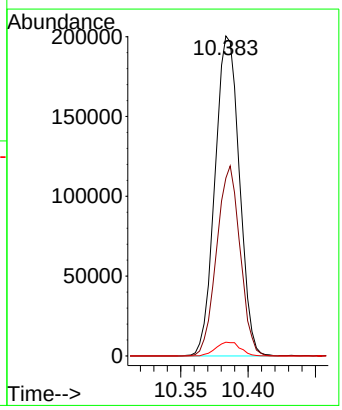


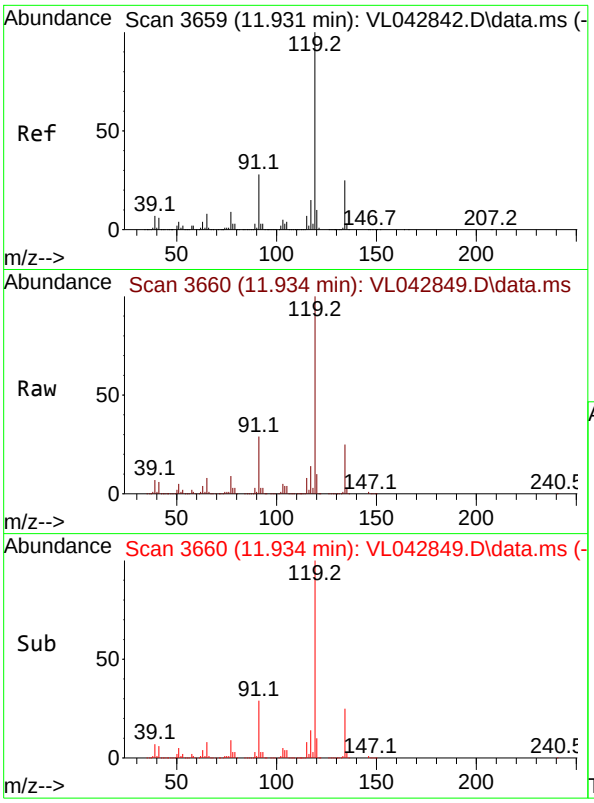


#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 95 Resp: 252268

Ion	Ratio	Lower	Upper
95	100		
174	57.2	48.4	72.6
175	4.4	3.8	5.8



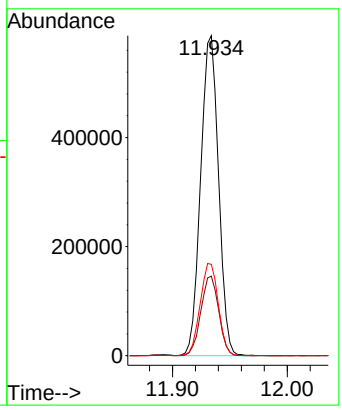


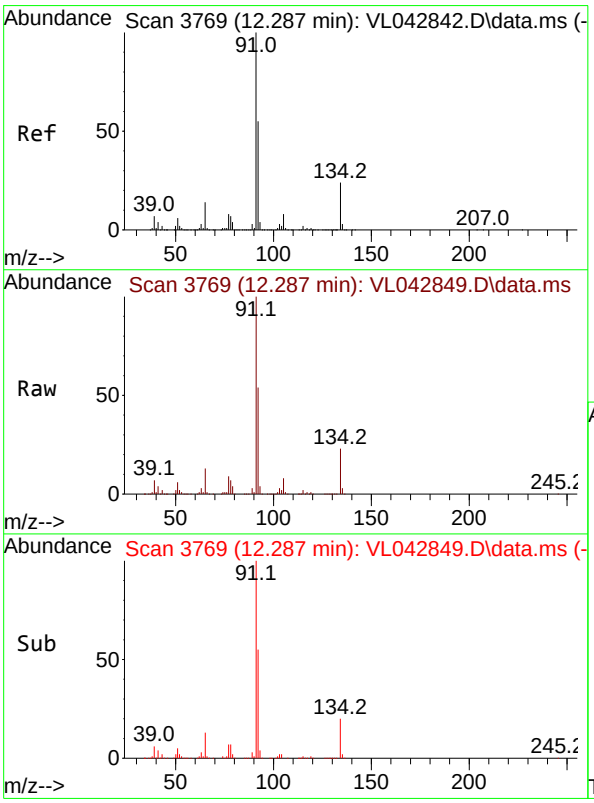
#69
p-Isopropyltoluene
Concen: 8.810 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:119 Resp: 634670

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.6	30.8
91	29.4	22.6	34.0

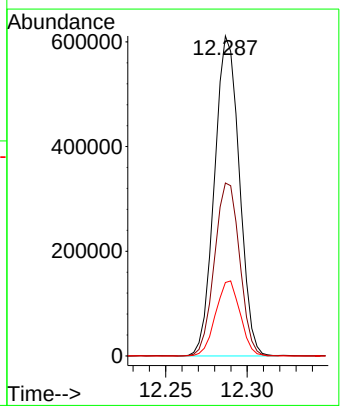


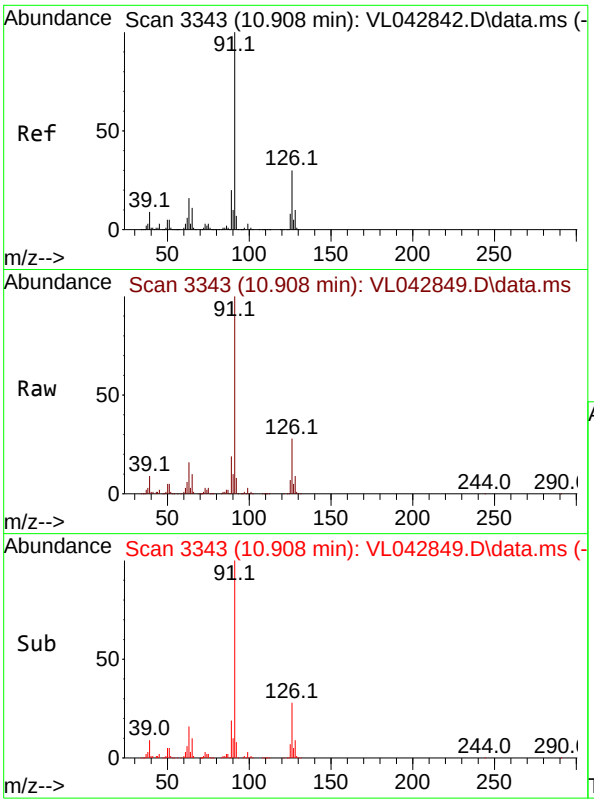


#70
n-Butylbenzene
Concen: 9.062 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion: 91 Resp: 647453

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	23.1	19.0	28.4



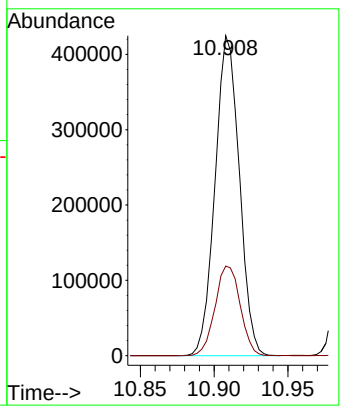


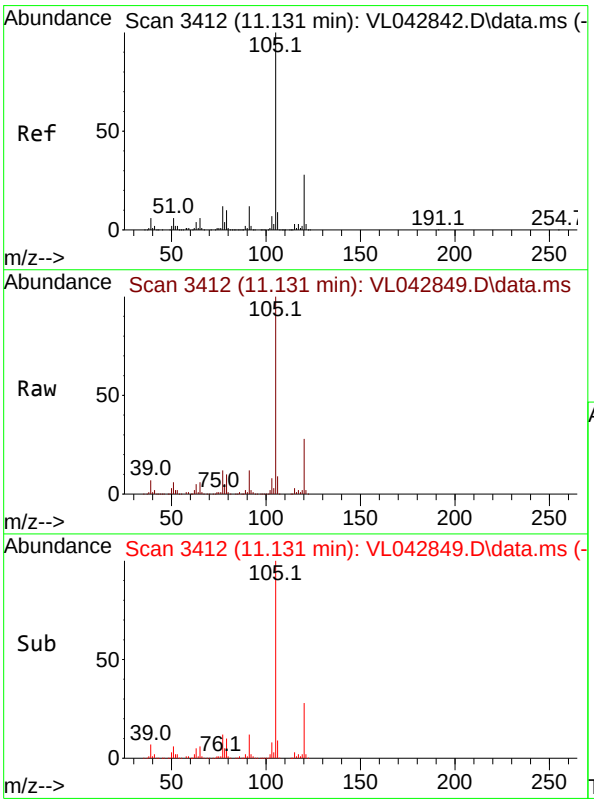
#71
2-Chlorotoluene
Concen: 9.214 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion: 91 Resp: 485171

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.0	47.8

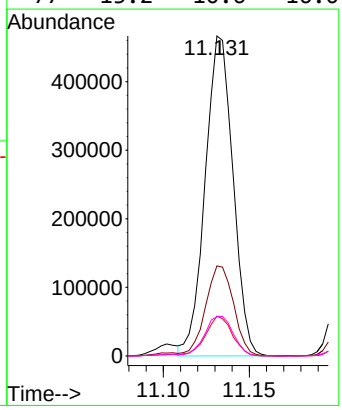


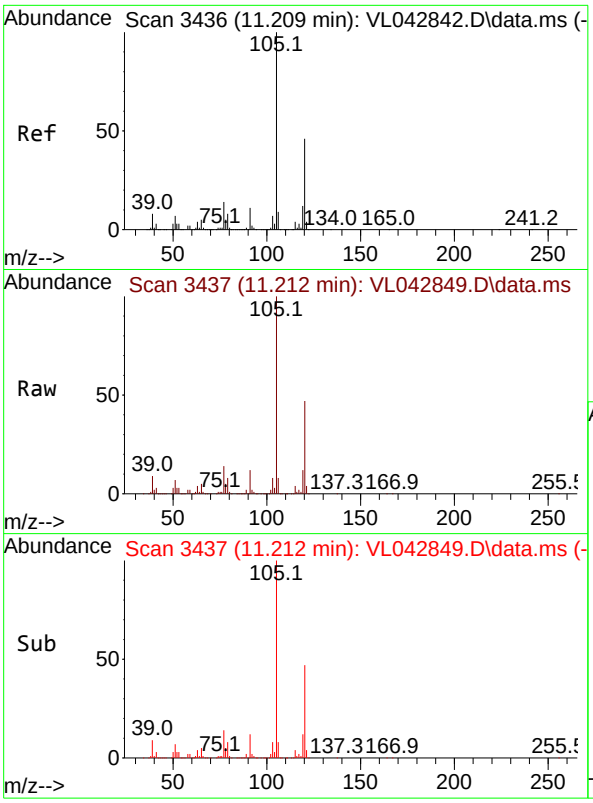


#72
4-Ethyltoluene
Concen: 9.338 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 525262

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.4	35.2
91	12.5	9.8	14.6
77	13.2	10.6	16.0



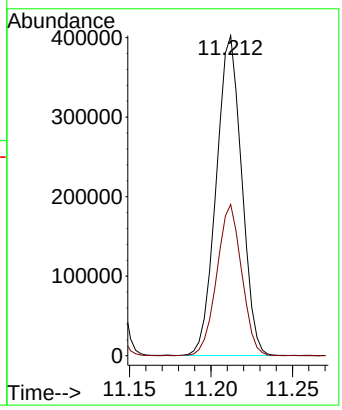


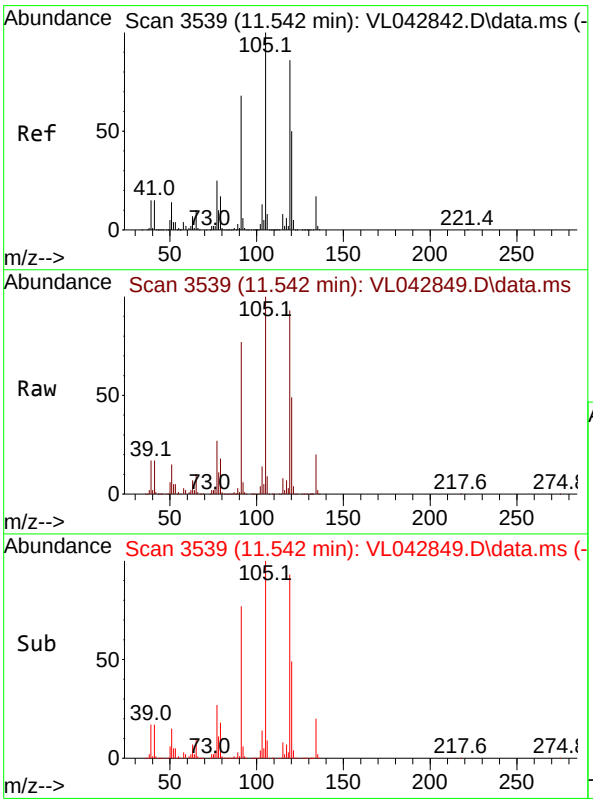
#73
1,3,5-Trimethylbenzene
Concen: 9.108 ppbv
RT: 11.212 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:105 Resp: 435705

Ion	Ratio	Lower	Upper
105	100		
120	47.2	36.6	54.8

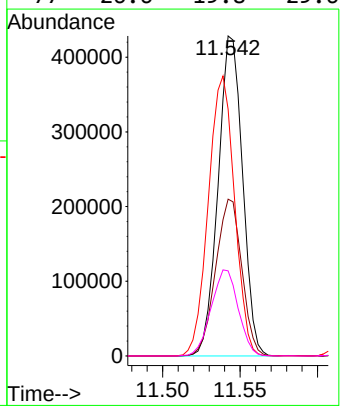


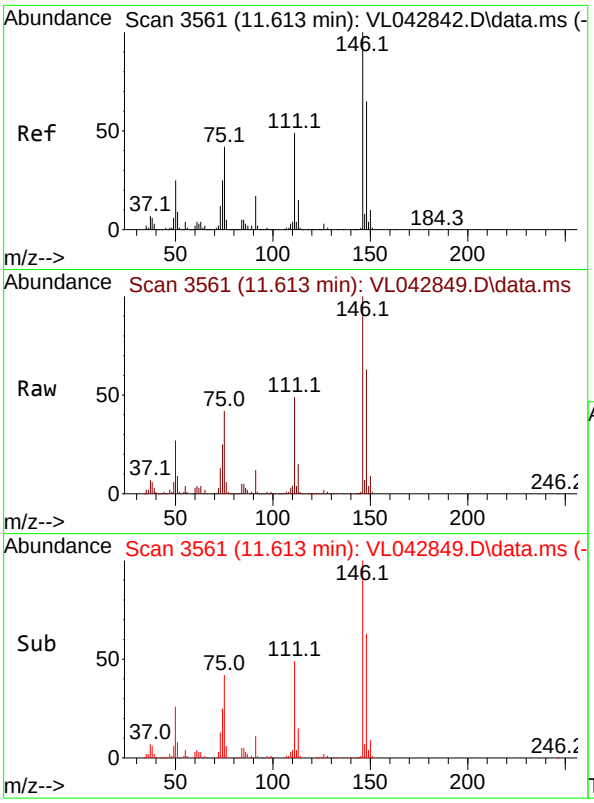


#74
1,2,4-Trimethylbenzene
Concen: 8.943 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:105 Resp: 469573

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.8	59.6
91	77.0	54.2	81.4
77	26.6	19.8	29.6



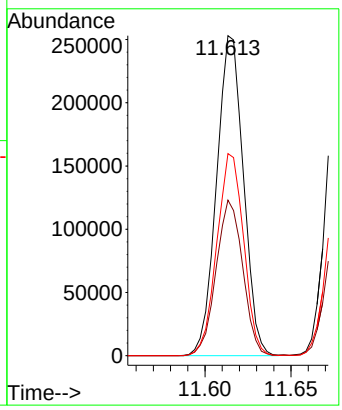


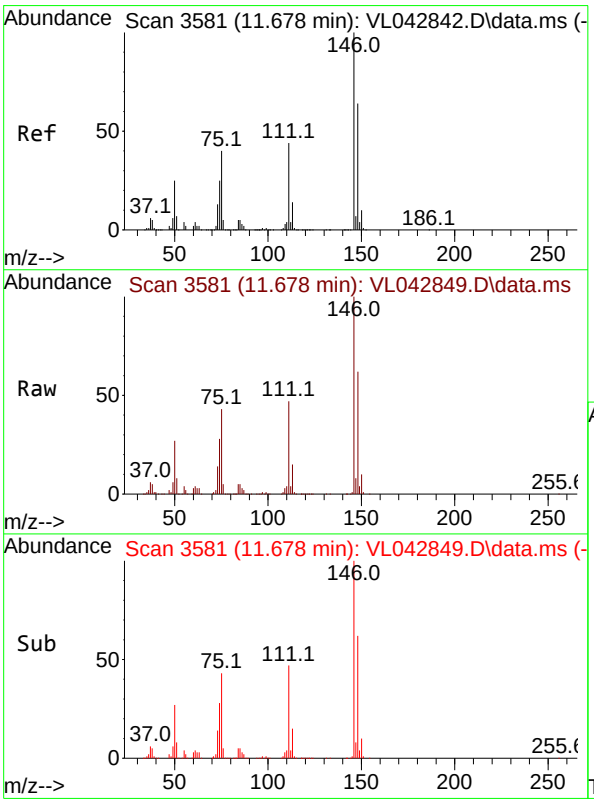
#75
1,3-Dichlorobenzene
Concen: 9.209 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:146 Resp: 274876

Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.9	71.7
148	63.0	31.4	94.0

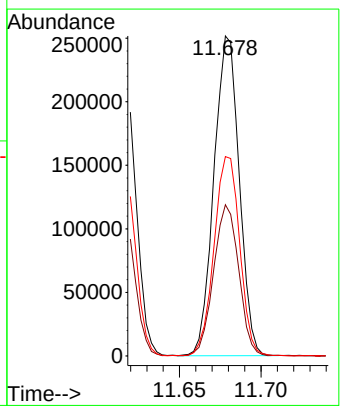


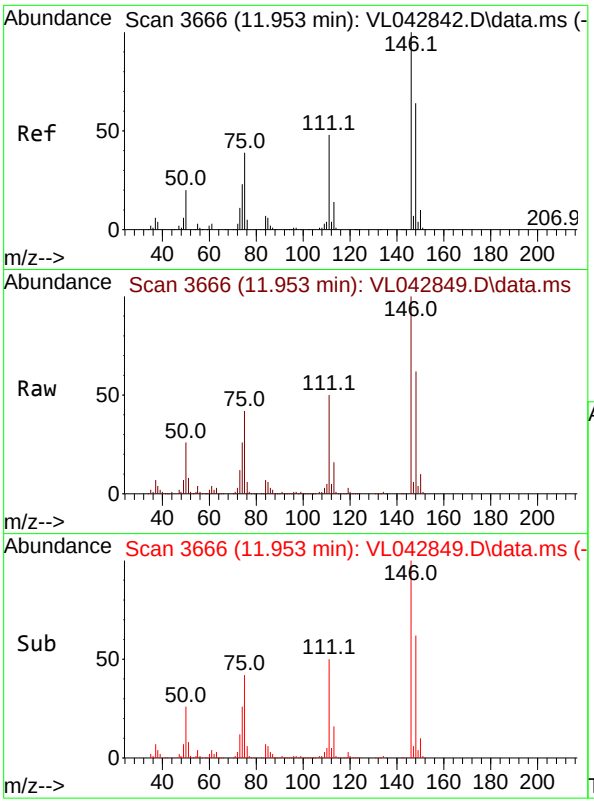


#76
1,4-Dichlorobenzene
Concen: 8.976 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:146 Resp: 270976

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.7	68.1
148	63.6	31.8	95.3



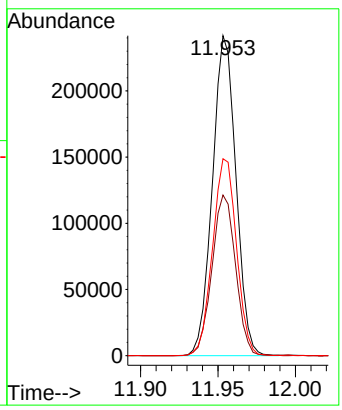


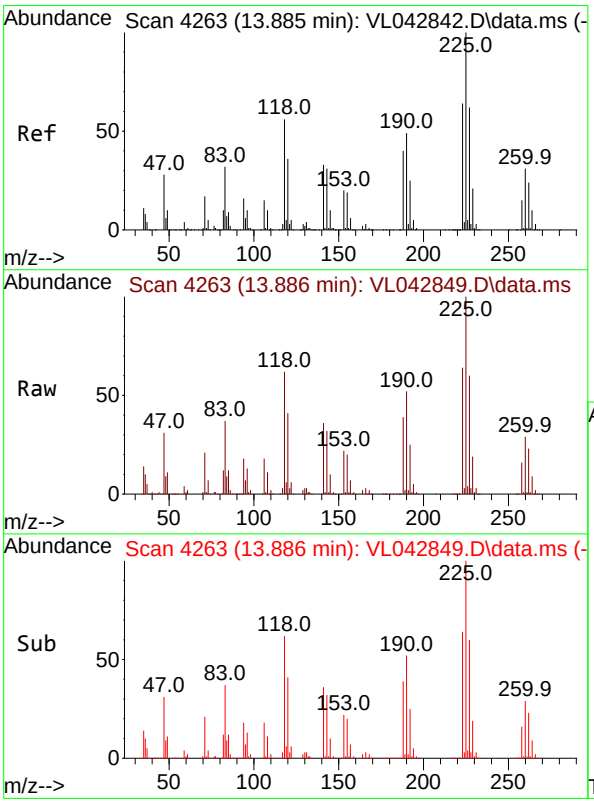
#77
1,2-Dichlorobenzene
Concen: 8.736 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:146 Resp: 255347

Ion	Ratio	Lower	Upper
146	100		
111	50.5	24.6	74.0
148	62.7	32.0	96.0

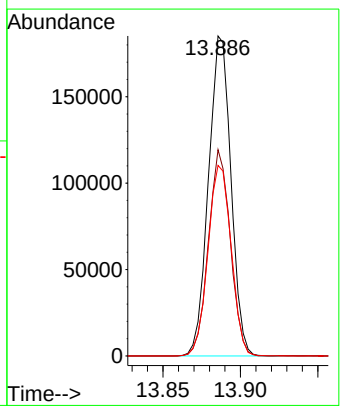


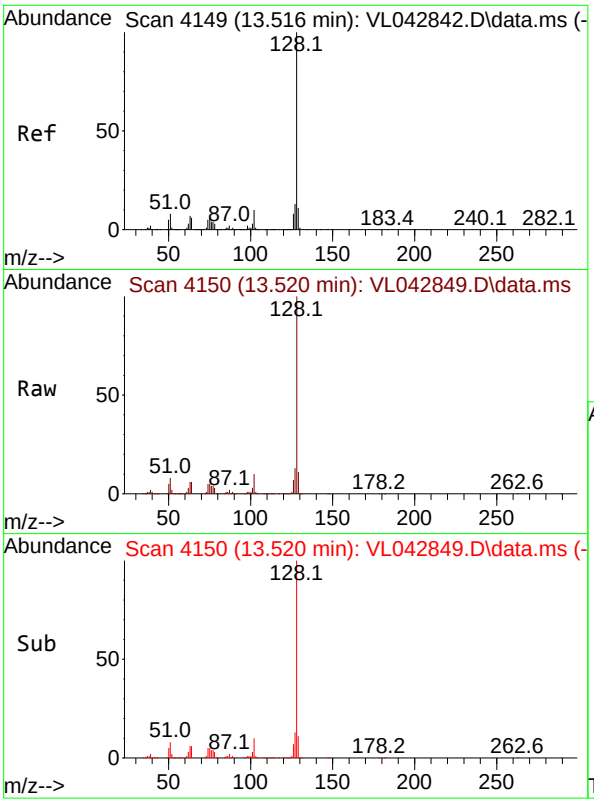


#78
Hexachloro-1,3-Butadiene
Concen: 7.778 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:225 Resp: 186318

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.4	77.2
227	61.6	51.9	77.9



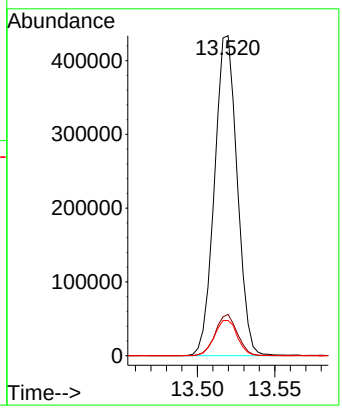


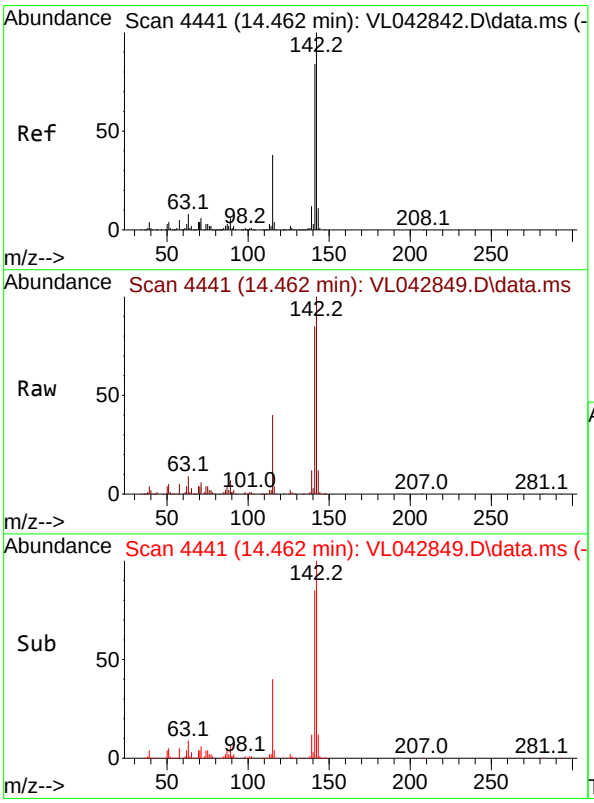
#79
Naphthalene
Concen: 9.284 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:128 Resp: 441940

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.9	13.3

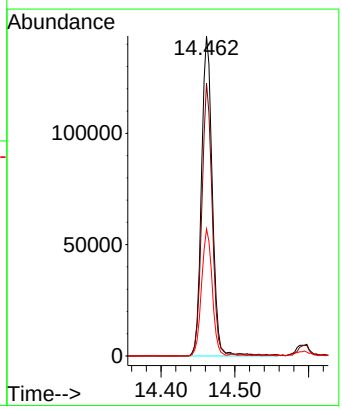


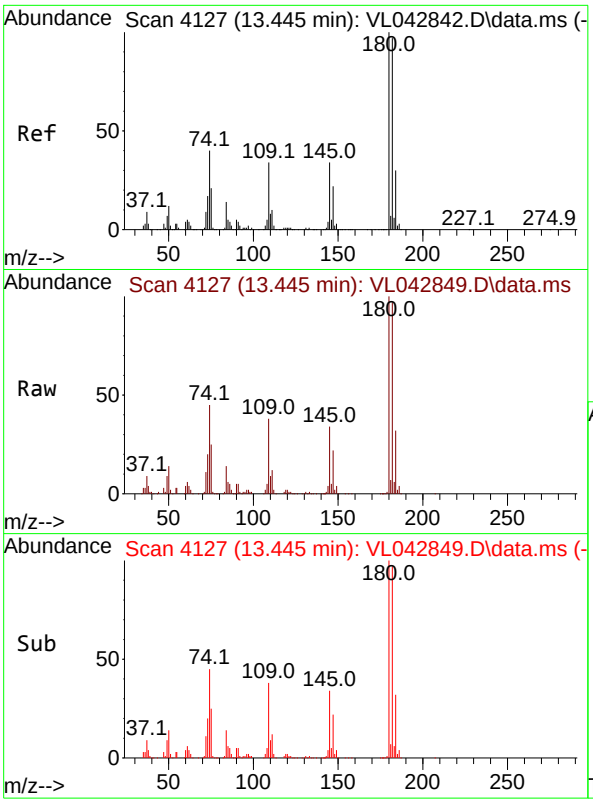


#80
Naphthalene,2-methyl-
Concen: 8.188 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Tgt Ion:142 Resp: 145644

Ion	Ratio	Lower	Upper
142	100		
141	81.9	67.0	100.6
115	40.2	30.9	46.3



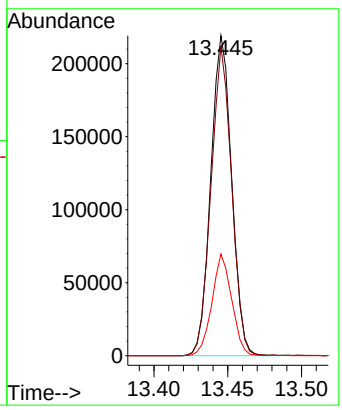


#81
1,2,4-Trichlorobenzene
Concen: 9.016 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042849.D
Acq: 13 Aug 2025 12:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Tgt Ion:180 Resp: 215715

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.1	24.5	36.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	116881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	368200	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	244955	10.134	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	159958	9.338	ppbv	100
3) Chlorodifluoromethane	1.479	51	177225	9.360	ppbv	100
4) Chloromethane	1.534	50	62240	9.004	ppbv	99
5) Vinyl Chloride	1.583	62	59335	8.716	ppbv	99
6) Bromomethane	1.670	94	23152	8.505	ppbv	97
7) Chloroethane	1.706	64	23657	8.898	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	132763	9.471	ppbv	95
9) Propene	1.486	41	71030	8.686	ppbv	97
10) Heptane	4.991	43	199706	9.118	ppbv	98
11) Trichlorofluoromethane	1.881	101	153519	9.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	123905	9.198	ppbv	97
13) Ethanol	1.725	45	5608	7.501	ppbv	100
14) Bromoethene	1.784	108	45076	9.244	ppbv	98
15) Acetone	1.839	43	115155	7.448	ppbv	100
16) 1,3-Butadiene	1.612	39	58958	8.412	ppbv	99
17) tert-Butyl alcohol	2.043	59	158939	8.668	ppbv	99
18) 1,1-Dichloroethene	2.036	96	55494	9.371	ppbv	97
19) Isopropyl Alcohol	1.890	45	78860	8.540	ppbv	100
20) Methylene Chloride	2.065	84	48184	7.439	ppbv	90
21) Allyl Chloride	2.101	41	96710	8.854	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62464	9.117	ppbv	94
23) Vinyl Acetate	2.467	43	206801	9.728	ppbv	99
24) 1,1-Dichloroethane	2.415	63	123052	8.993	ppbv	98
25) Ethyl Acetate	2.842	43	344281	9.200	ppbv	99
26) Hexane	2.832	57	159005	9.206	ppbv	97
27) Carbon Disulfide	2.156	76	153403	9.126	ppbv #	91
28) Methyl tert-Butyl Ether	2.444	73	84816	9.630	ppbv	93
29) Chloroform	2.855	83	234067	9.492	ppbv	99
30) Cyclohexane	3.865	84	140375	9.270	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	158712	9.199	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	245800	9.431	ppbv	100
34) 2-Butanone	2.560	43	224149	9.016	ppbv	100
35) Carbon Tetrachloride	3.771	117	235598	9.281	ppbv	96
36) Benzene	3.664	78	330026	9.360	ppbv	99
37) 1,2-Dichloroethane	3.227	62	181878	9.874	ppbv	98
38) Trichloroethene	4.557	130	144018	8.944	ppbv	95
39) 1,2-Dichloropropane	4.324	63	119442	9.275	ppbv	97
40) 1,4-Dioxane	4.593	88	53171	8.683	ppbv #	92
41) Tetrahydrofuran	3.059	42	127578	9.204	ppbv	98
42) Bromodichloromethane	4.502	83	261380	9.522	ppbv	98
43) Methyl Methacrylate	4.894	69	131335	9.042	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	540935	9.039	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	152588	9.309	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	189646	9.285	ppbv		98
47) 1,1,2-Trichloroethane	6.597	97	127667	9.357	ppbv		97
48) Dibromochloromethane	7.402	129	207804	9.412	ppbv		100
49) Bromoform	9.493	173	168015	9.228	ppbv		100
50) 4-Methyl-2-Pentanone	5.768	43	312046	9.286	ppbv		100
51) 2-Hexanone	7.448	43	248690	9.404	ppbv		98
52) Tetrachloroethene	8.238	164	107577	8.434	ppbv		94
53) Toluene	6.949	91	386291	9.216	ppbv		100
54) 1,2-Dibromoethane	7.665	107	184932	9.275	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.937	131	156352	9.381	ppbv		98
57) Chlorobenzene	8.933	112	285789	9.326	ppbv		98
58) Ethyl Benzene	9.367	91	534013	9.389	ppbv		99
59) m/p-Xylene	9.545	91	418211	9.381	ppbv	#	100
60) o-Xylene	9.976	91	417423	9.308	ppbv		100
61) Styrene	9.882	104	197790	9.414	ppbv		99
62) Isopropylbenzene	10.548	105	607606	9.271	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.972	83	221716	8.990	ppbv		100
64) n-propylbenzene	10.998	120	153914	9.205	ppbv		98
65) tert-Butylbenzene	11.539	119	518992	8.983	ppbv		98
66) Benzyl Chloride	11.623	91	62299	8.494	ppbv		99
67) sec-Butylbenzene	11.775	105	741280	9.141	ppbv		99
69) p-Isopropyltoluene	11.934	119	612316	8.795	ppbv		98
70) n-Butylbenzene	12.290	91	629840	9.122	ppbv		98
71) 2-Chlorotoluene	10.911	91	467569	9.188	ppbv		98
72) 4-Ethyltoluene	11.134	105	505391	9.297	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	425759	9.210	ppbv		97
74) 1,2,4-Trimethylbenzene	11.545	105	456933	9.005	ppbv		97
75) 1,3-Dichlorobenzene	11.617	146	259541	8.997	ppbv		98
76) 1,4-Dichlorobenzene	11.681	146	261302	8.957	ppbv		99
77) 1,2-Dichlorobenzene	11.956	146	250432	8.866	ppbv		99
78) Hexachloro-1,3-Butadiene	13.889	225	173363	7.488	ppbv		98
79) Naphthalene	13.520	128	410796	8.930	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	145644	8.473	ppbv		98
81) 1,2,4-Trichlorobenzene	13.445	180	204023	8.824	ppbv		99

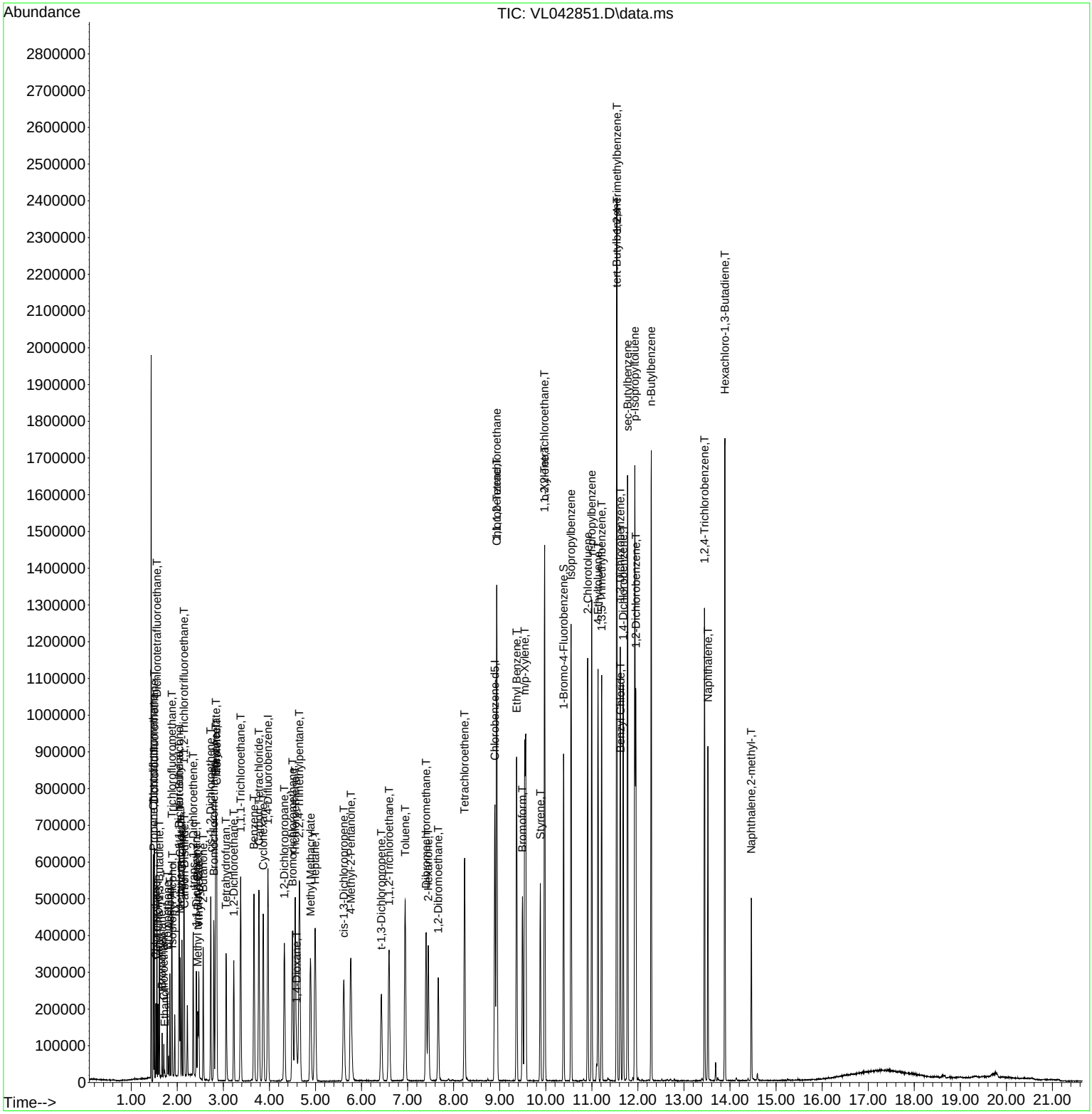
(#) = qualifier out of range (m) = manual integration (+) = signals summed

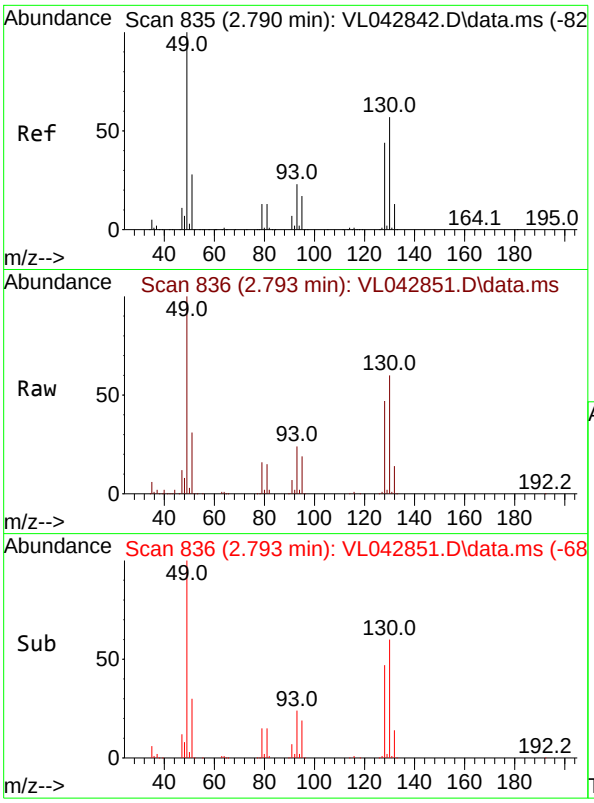
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



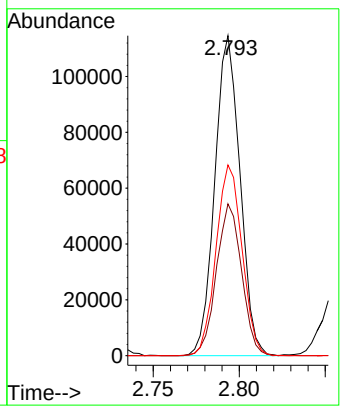


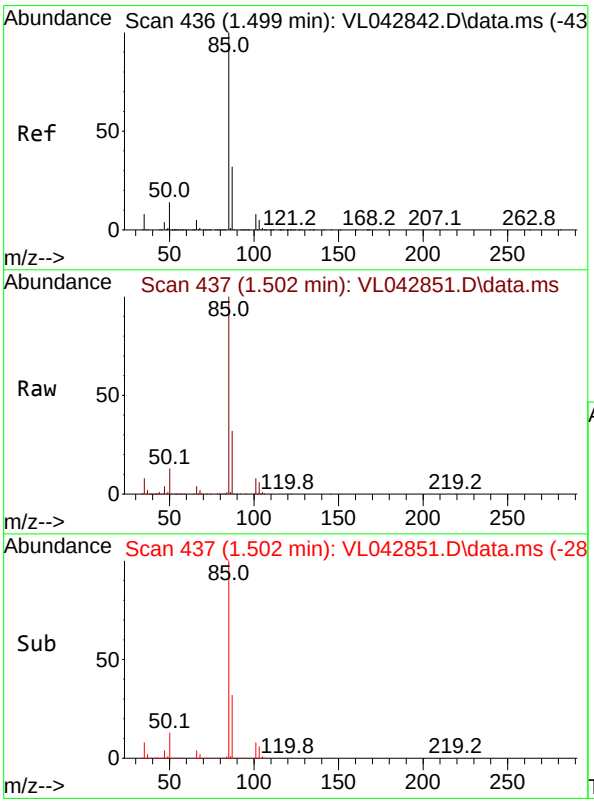
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 49 Resp: 116881

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.7	71.1
130	61.4	30.6	91.6

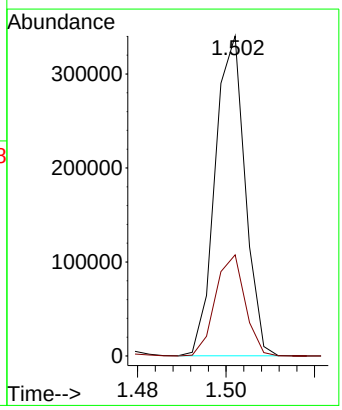


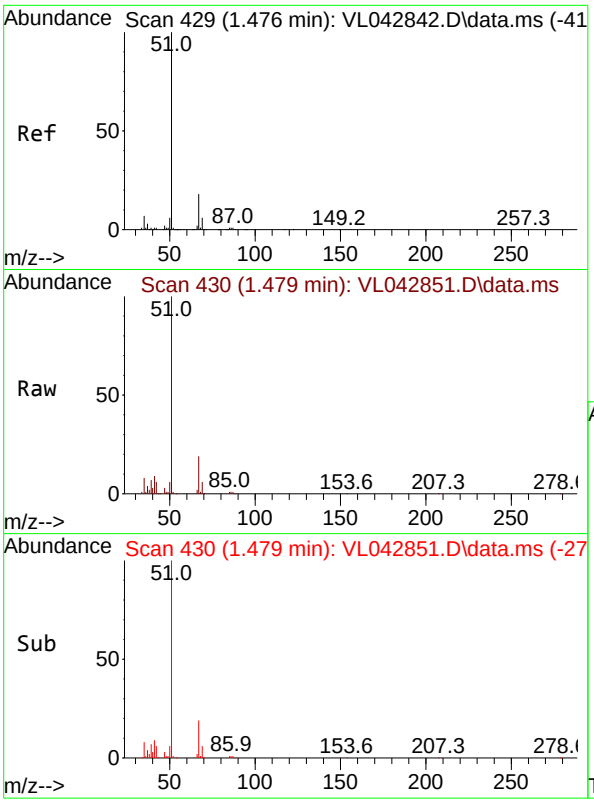


#2
Dichlorodifluoromethane
Concen: 9.338 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 159958

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9



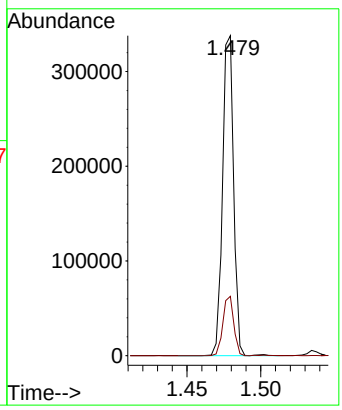


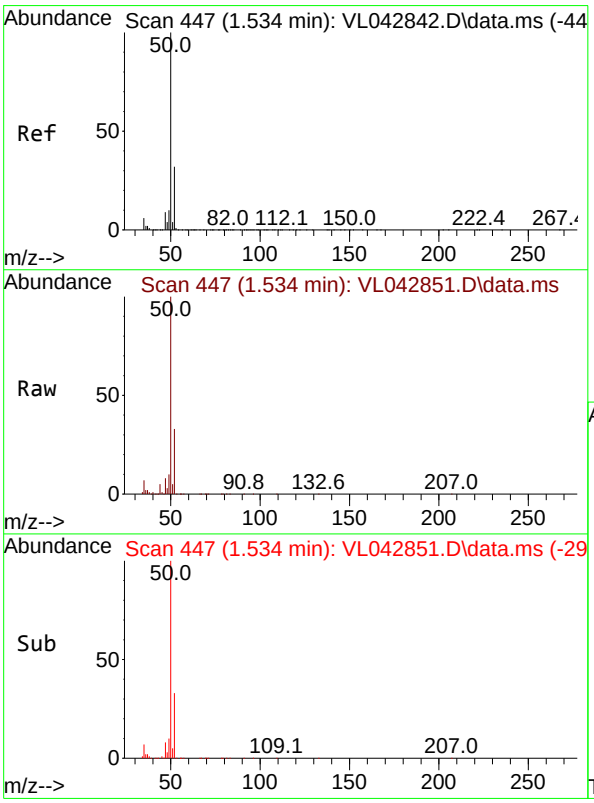
#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 51 Resp: 177225

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3

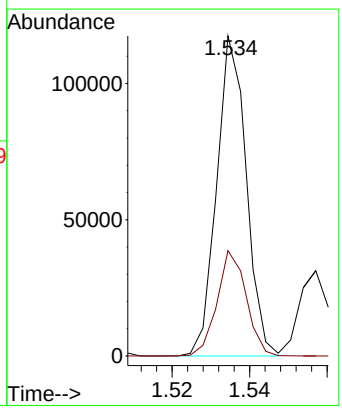


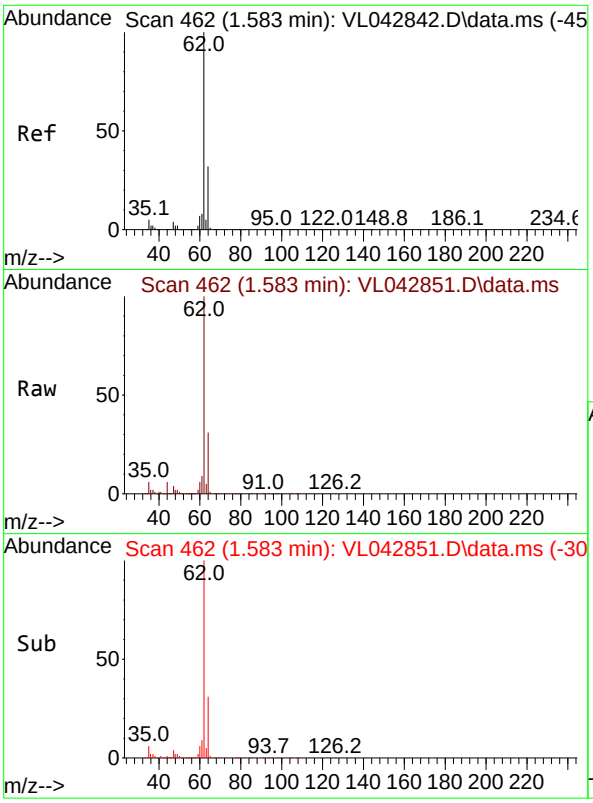


#4
Chloromethane
Concen: 9.004 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 50 Resp: 62240

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



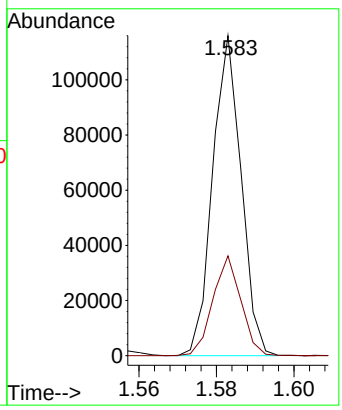


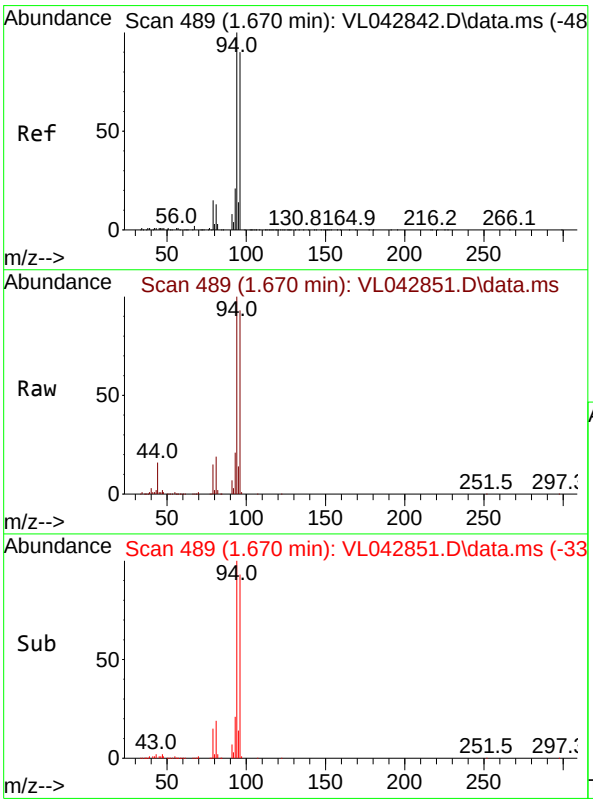
#5
Vinyl Chloride
Concen: 8.716 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 62 Resp: 59335

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.4	38.2

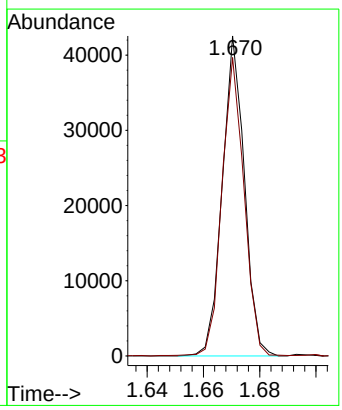


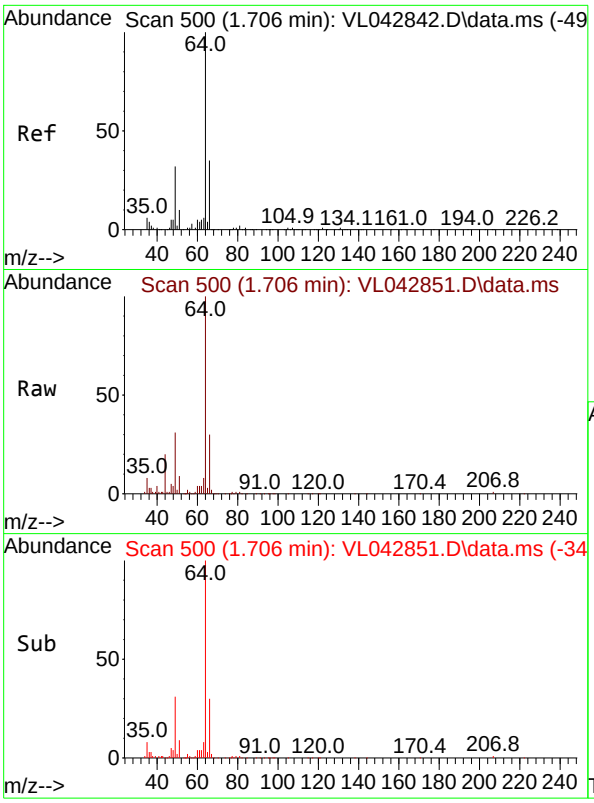


#6
Bromomethane
Concen: 8.505 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 94 Resp: 23152

Ion	Ratio	Lower	Upper
94	100		
96	93.1	72.1	108.1



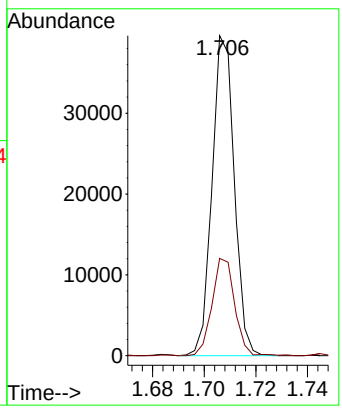


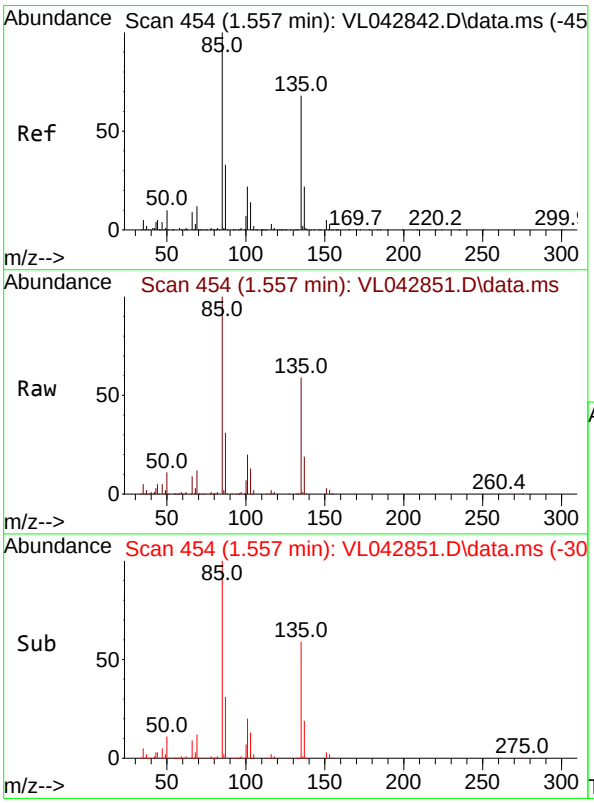
#7
Chloroethane
Concen: 8.898 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 64 Resp: 23657

Ion	Ratio	Lower	Upper
64	100		
66	30.4	28.6	42.8

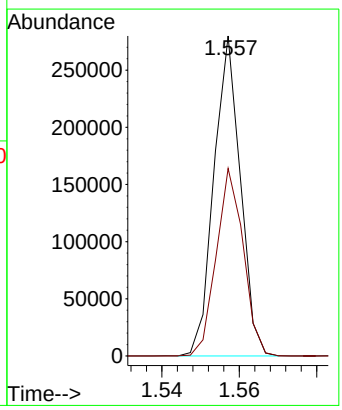


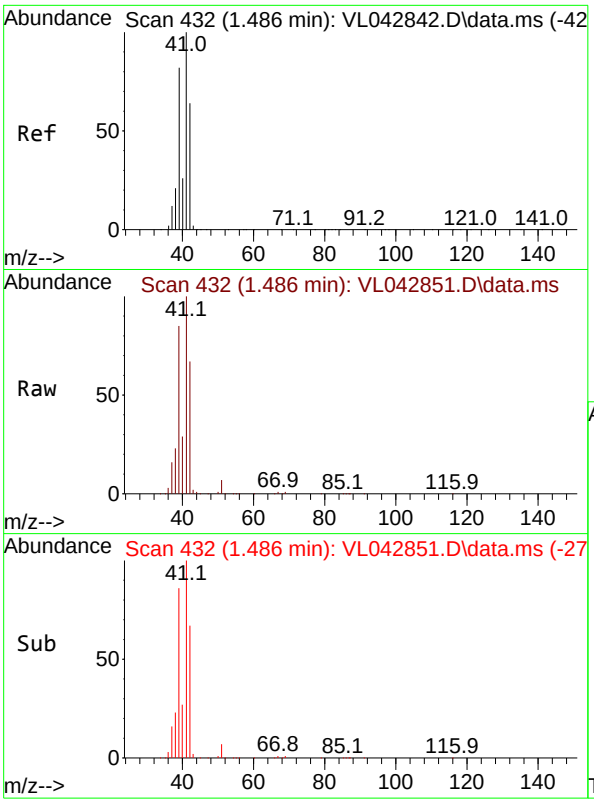


#8
Dichlorotetrafluoroethane
Concen: 9.471 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 85 Resp: 132763

Ion	Ratio	Lower	Upper
85	100		
135	59.9	51.2	76.8



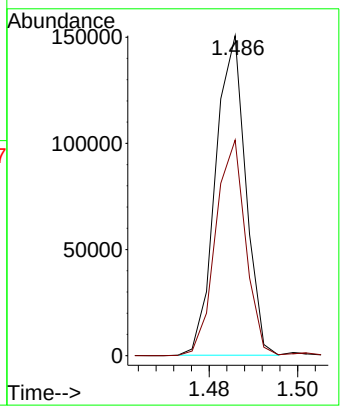


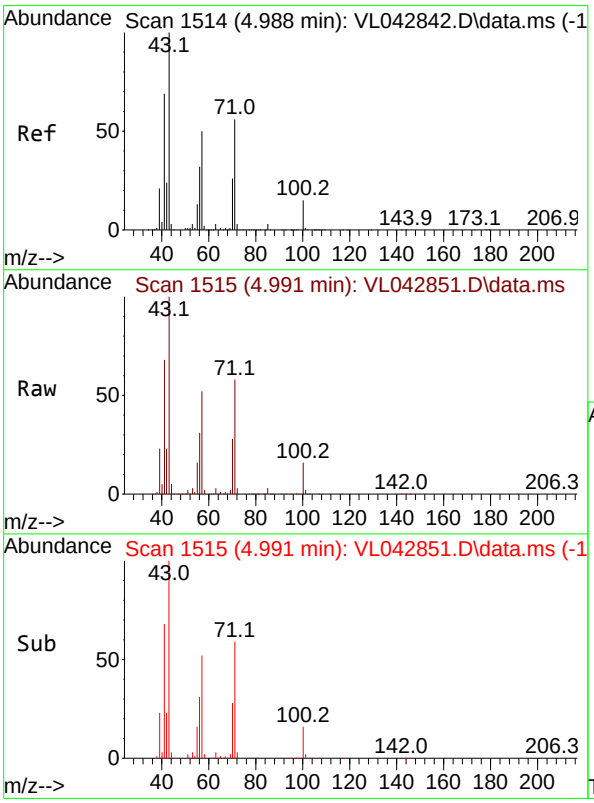
#9
Propene
Concen: 8.686 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 41 Resp: 71030

Ion	Ratio	Lower	Upper
41	100		
42	68.8	53.0	79.4

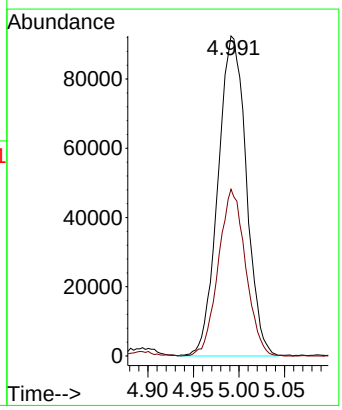


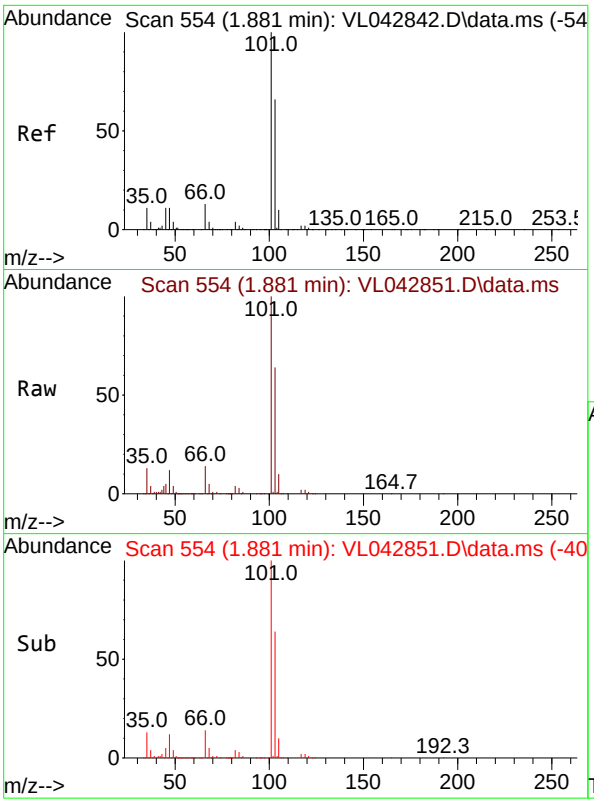


#10
Heptane
Concen: 9.118 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 199706

Ion	Ratio	Lower	Upper
43	100		
57	50.2	41.4	62.0



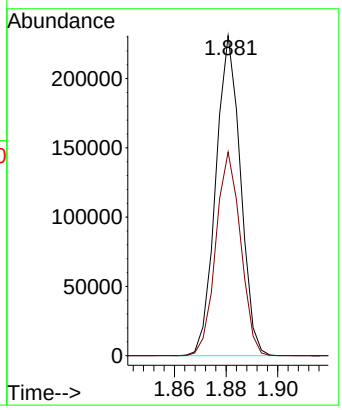


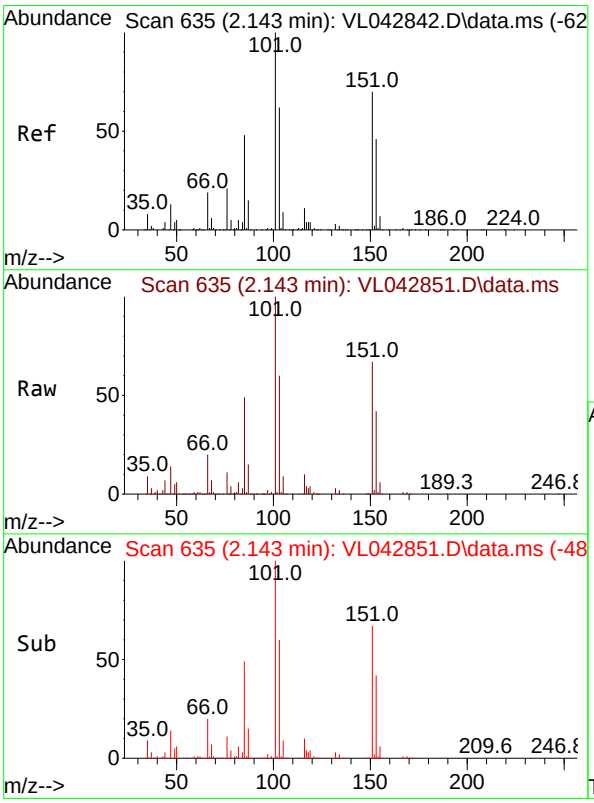
#11
Trichlorofluoromethane
Concen: 9.084 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:101 Resp: 153519

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7

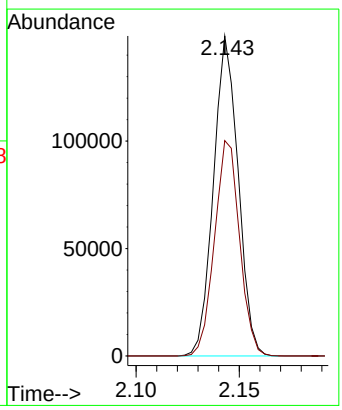


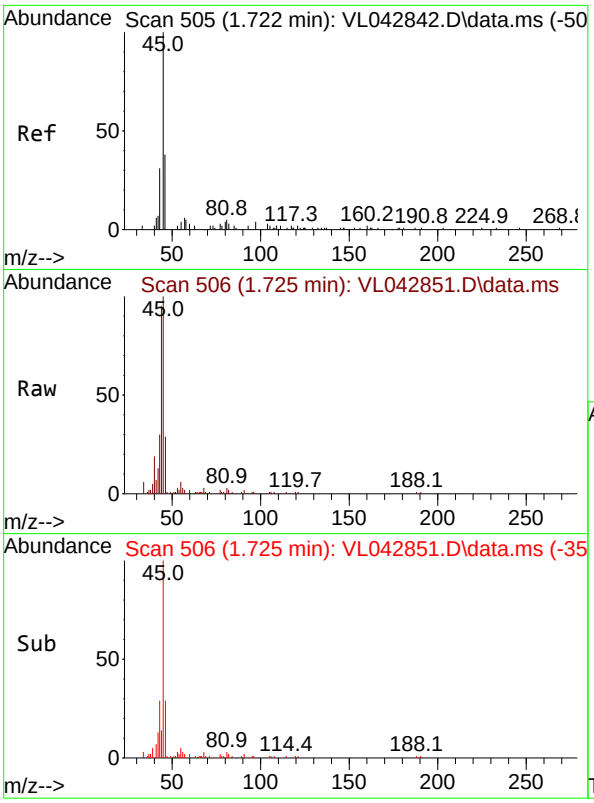


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.198 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:101 Resp: 123905

Ion	Ratio	Lower	Upper
101	100		
151	68.3	56.4	84.6



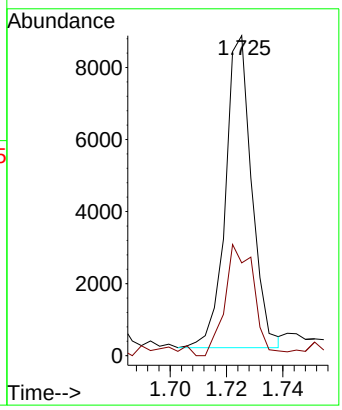


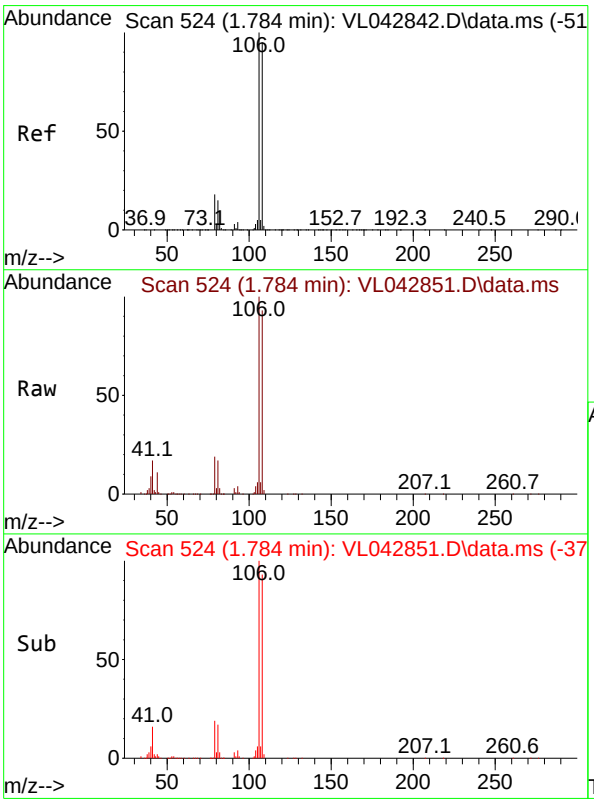
#13
Ethanol
Concen: 7.501 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 45 Resp: 5608

Ion	Ratio	Lower	Upper
45	100		
46	43.8	17.5	69.9

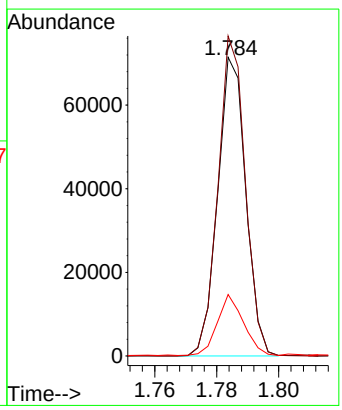


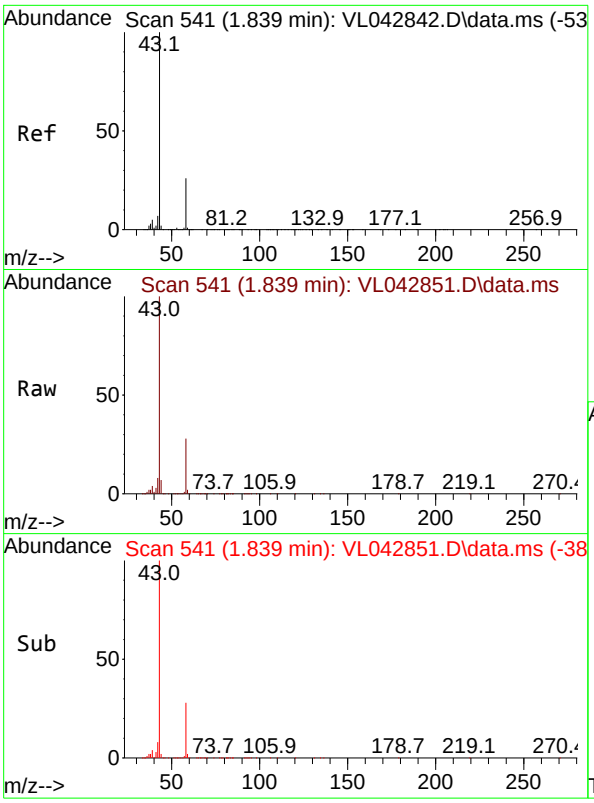


#14
Bromoethene
Concen: 9.244 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:108 Resp: 45076

Ion	Ratio	Lower	Upper
108	100		
106	104.0	85.1	127.7
79	19.6	16.3	24.5



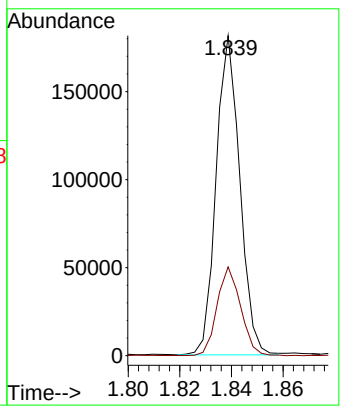


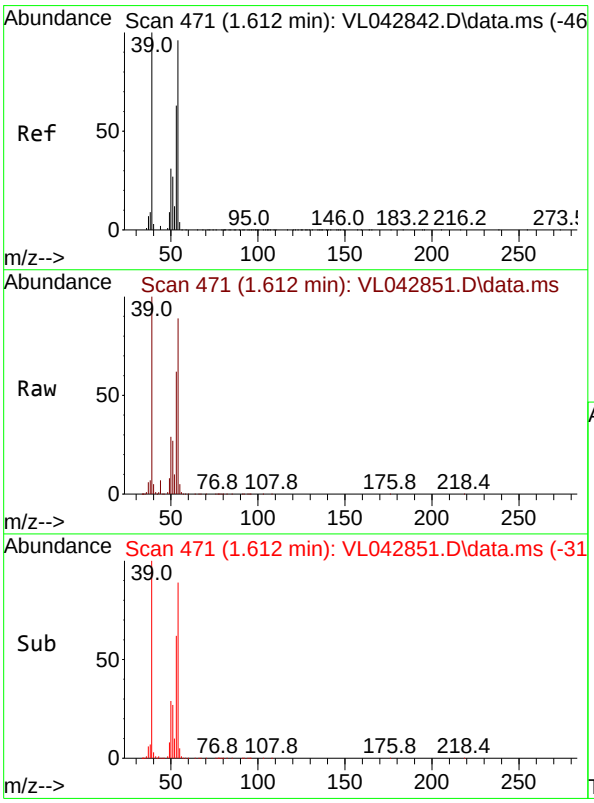
#15
Acetone
Concen: 7.448 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 43 Resp: 115155

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.4	33.6

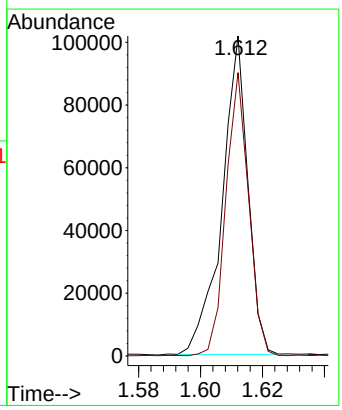


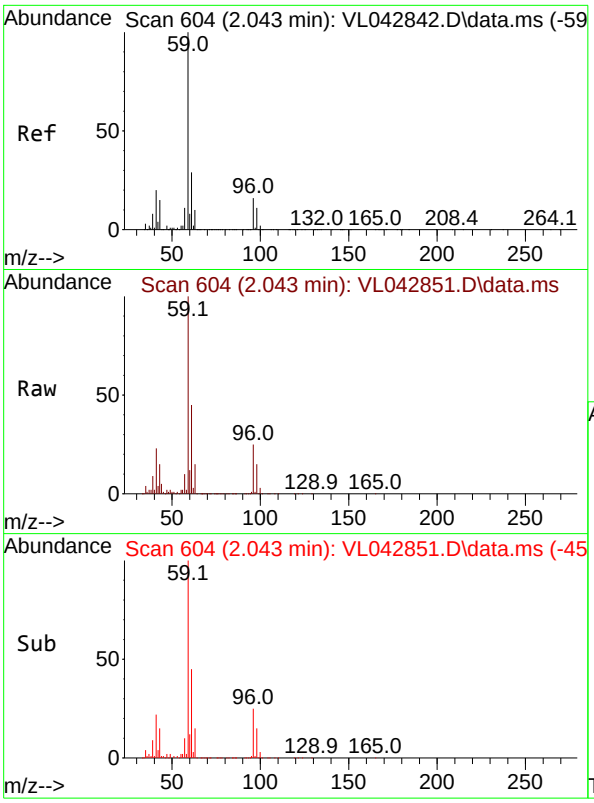


#16
1,3-Butadiene
Concen: 8.412 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 39 Resp: 58958

Ion	Ratio	Lower	Upper
39	100		
54	79.0	63.6	95.4



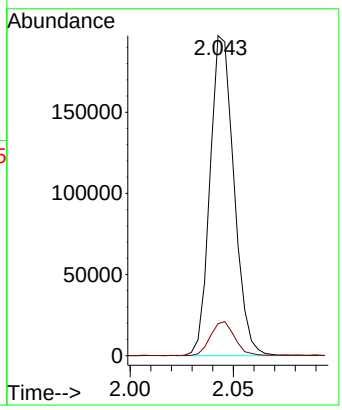


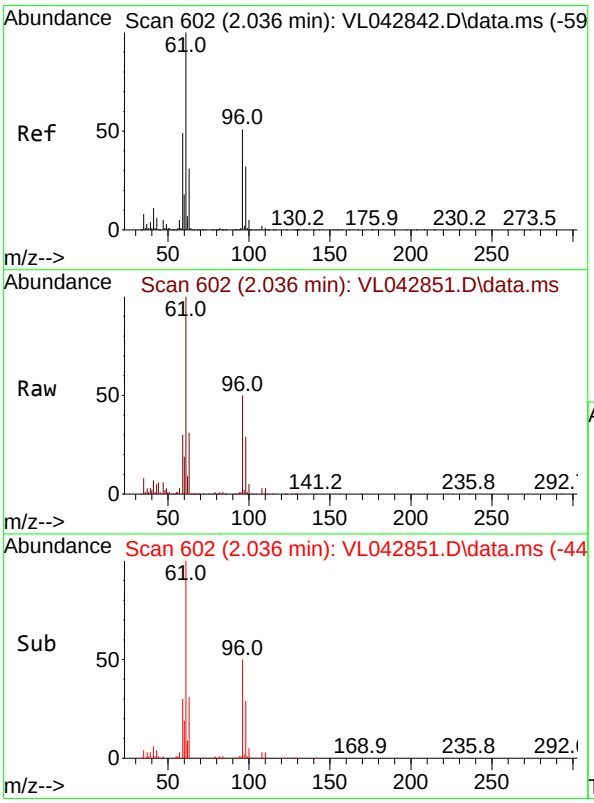
#17
tert-Butyl alcohol
Concen: 8.668 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 59 Resp: 158939

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

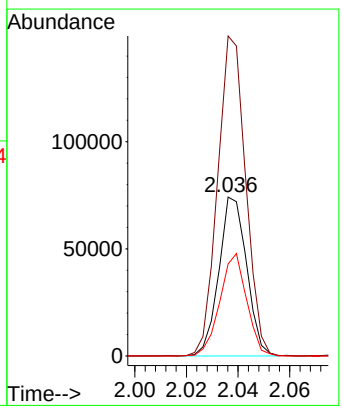


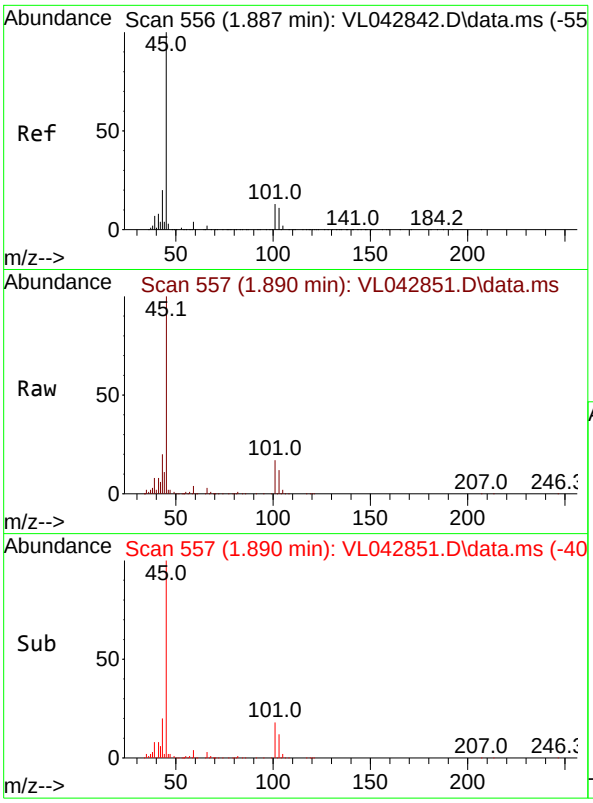


#18
1,1-Dichloroethene
Concen: 9.371 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 96 Resp: 55494

Ion	Ratio	Lower	Upper
96	100		
61	201.4	158.2	237.4
98	58.0	50.6	76.0



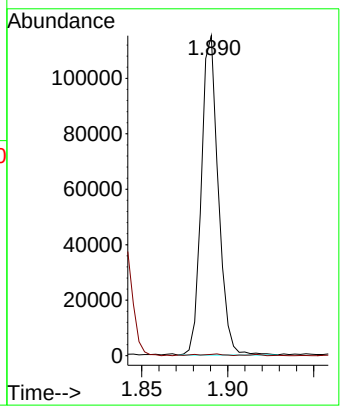


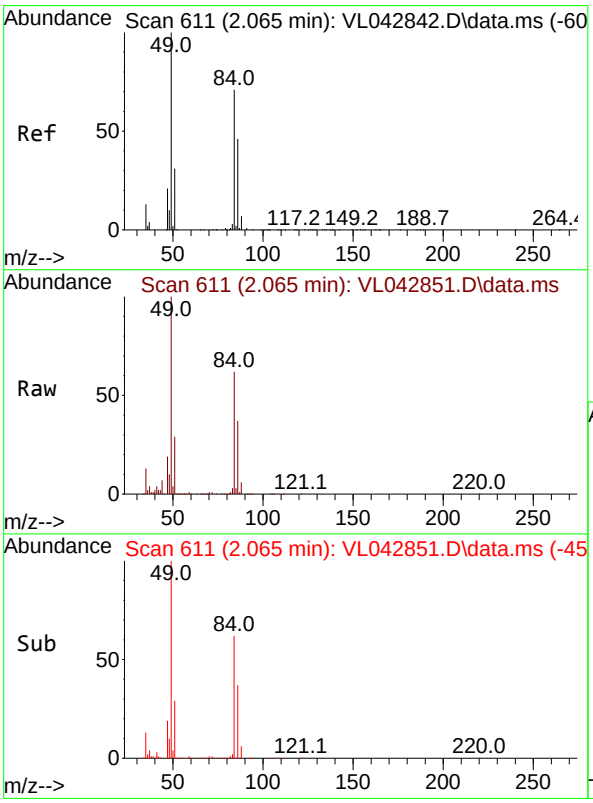
#19
Isopropyl Alcohol
Concen: 8.540 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 45 Resp: 78860

Ion	Ratio	Lower	Upper
45	100		
58	41.0	32.7	49.1

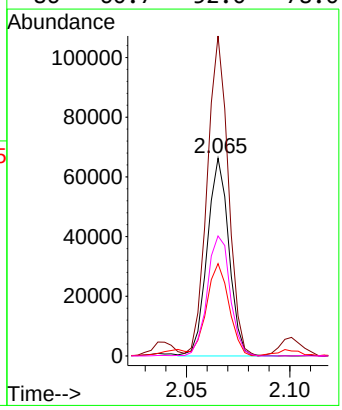


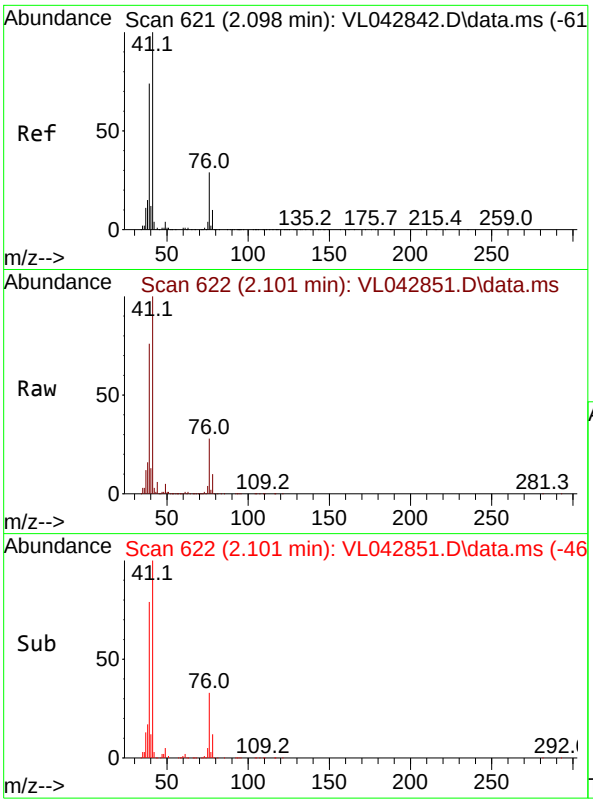


#20
Methylene Chloride
Concen: 7.439 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 84 Resp: 48184

Ion	Ratio	Lower	Upper
84	100		
49	159.6	112.3	168.5
51	45.1	36.0	54.0
86	60.7	52.0	78.0



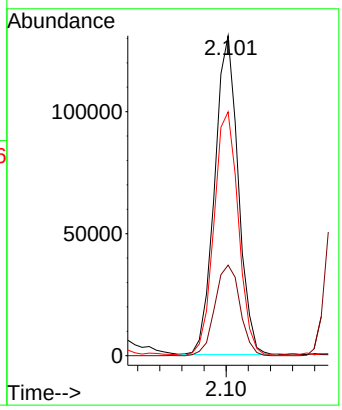


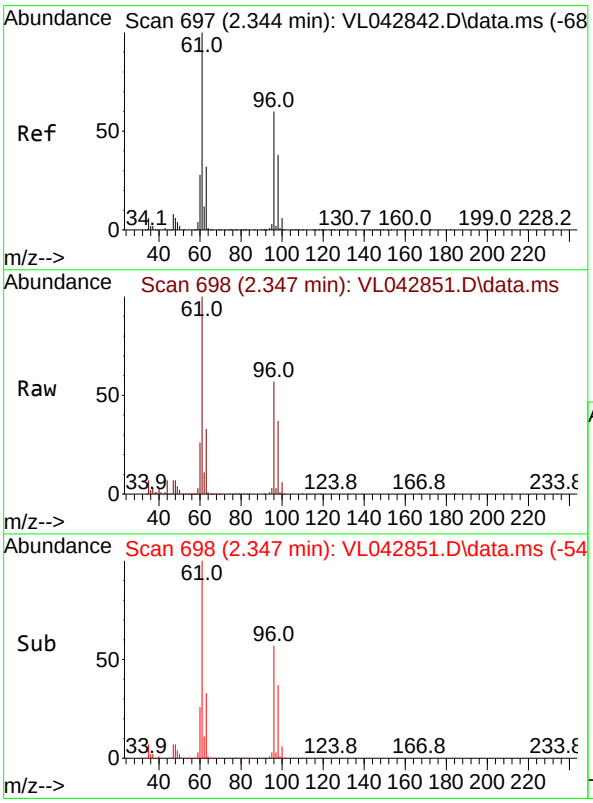
#21
Allyl Chloride
Concen: 8.854 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 41 Resp: 96710

Ion	Ratio	Lower	Upper
41	100		
76	30.3	23.9	35.9
39	78.0	57.8	86.6

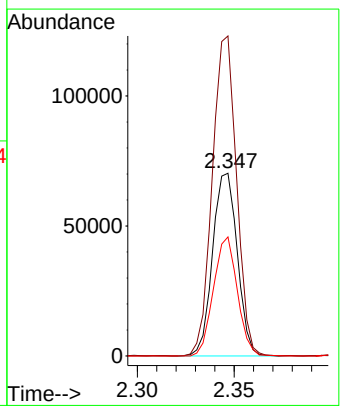


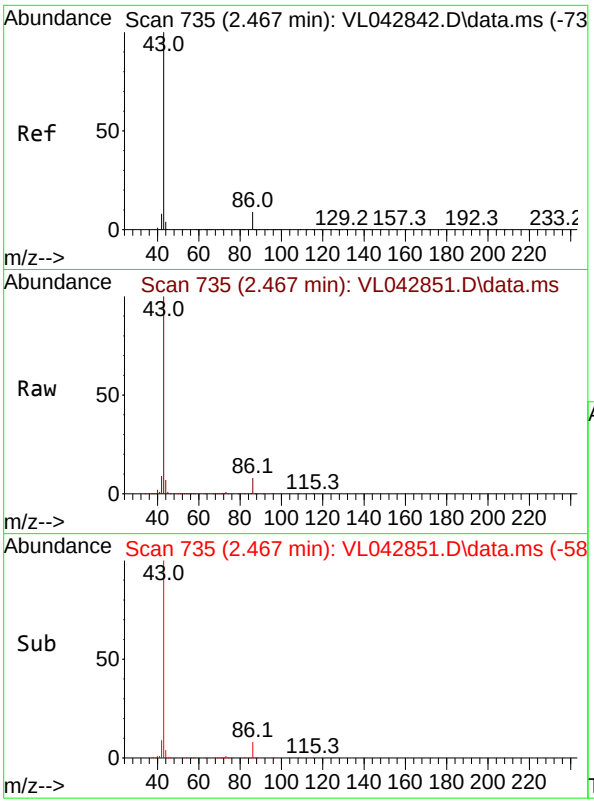


#22
trans-1,2-Dichloroethene
Concen: 9.117 ppbv
RT: 2.347 min Scan# 698
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 96 Resp: 62464

Ion	Ratio	Lower	Upper
96	100		
61	175.1	132.6	199.0
98	65.1	50.0	75.0



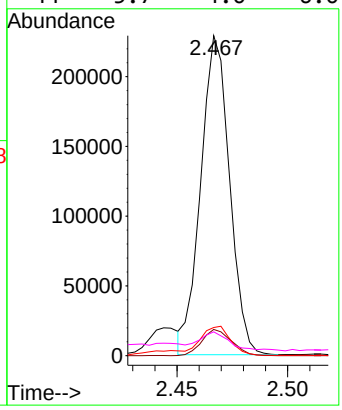


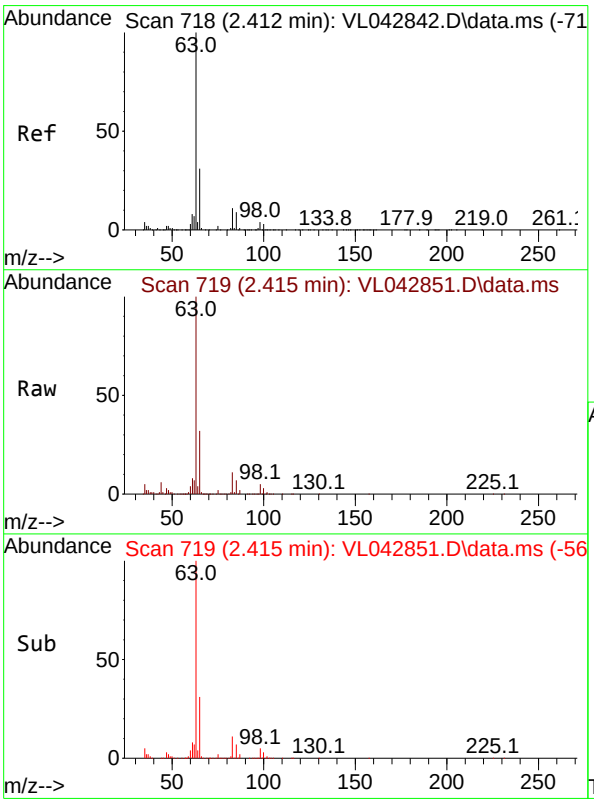
#23
Vinyl Acetate
Concen: 9.728 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 43 Resp: 206801

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.7	7.0	10.6
44	5.7	4.0	6.0

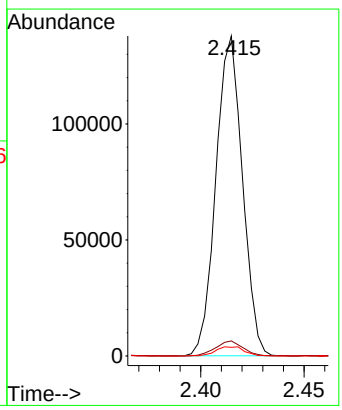


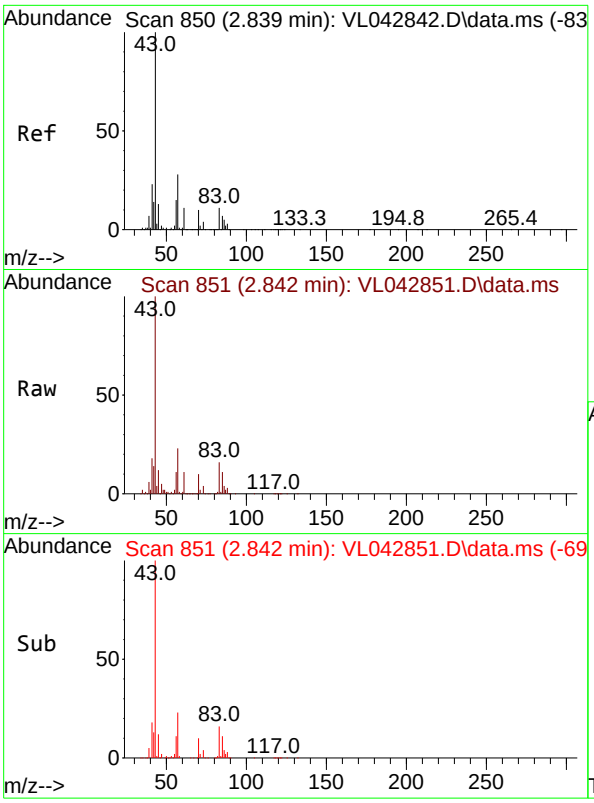


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 63 Resp: 123052

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.7	5.1



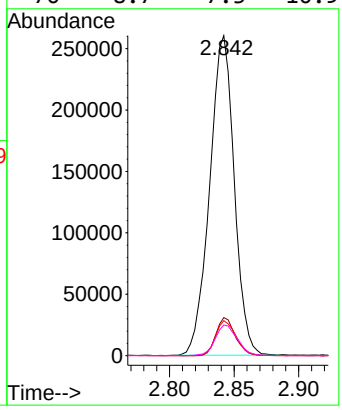


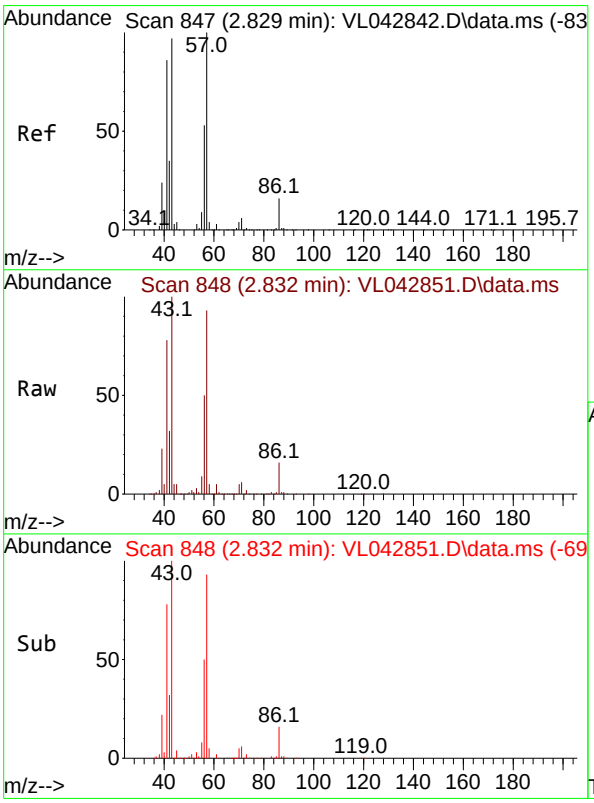
#25
Ethyl Acetate
Concen: 9.200 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 43 Resp: 344281

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.1	12.1
61	9.1	7.4	11.2
70	8.7	7.3	10.9

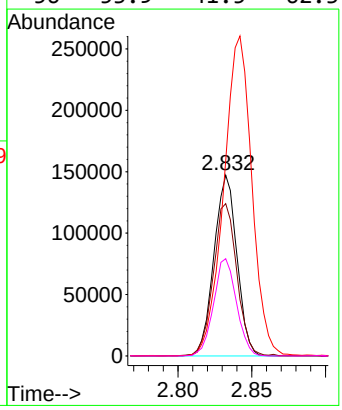


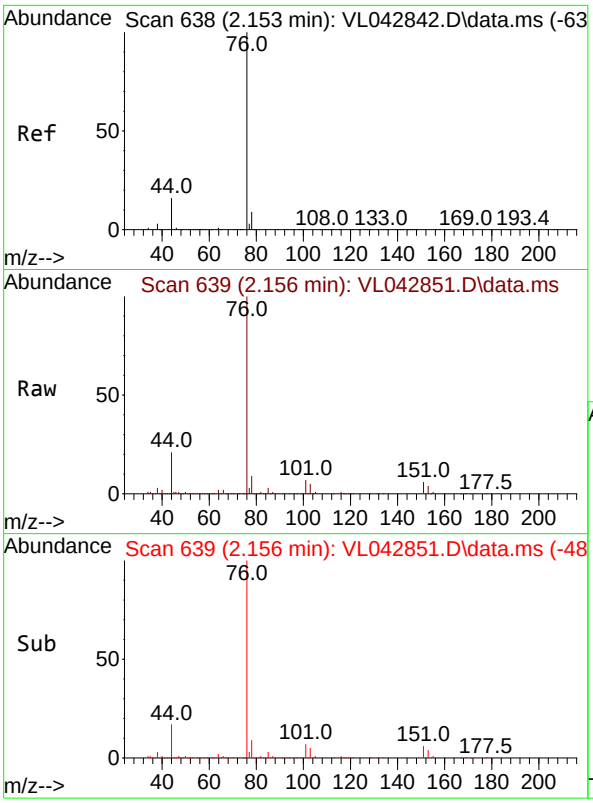


#26
Hexane
Concen: 9.206 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 57 Resp: 159005

Ion	Ratio	Lower	Upper
57	100		
41	87.1	68.6	103.0
43	217.5	168.5	252.7
56	53.9	41.5	62.3



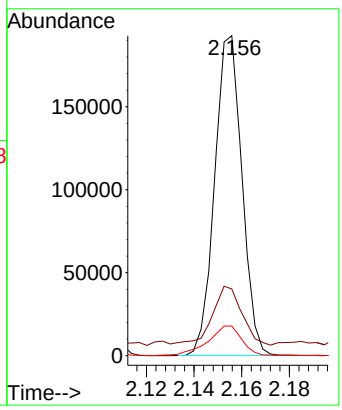


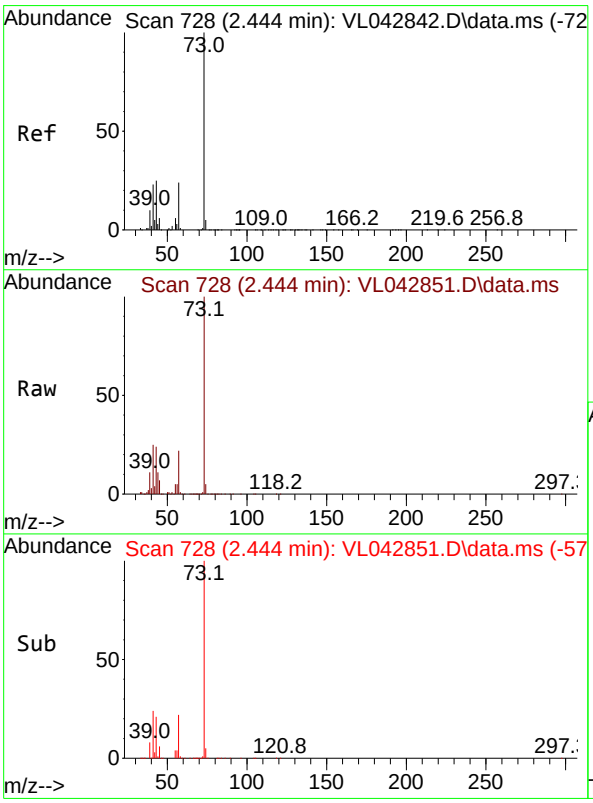
#27
Carbon Disulfide
Concen: 9.126 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 76 Resp: 153403

Ion	Ratio	Lower	Upper
76	100		
44	26.3	15.9	23.9#
78	11.6	9.5	14.3

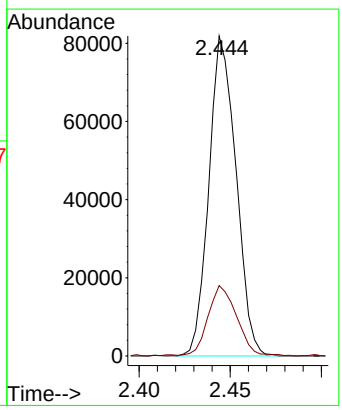


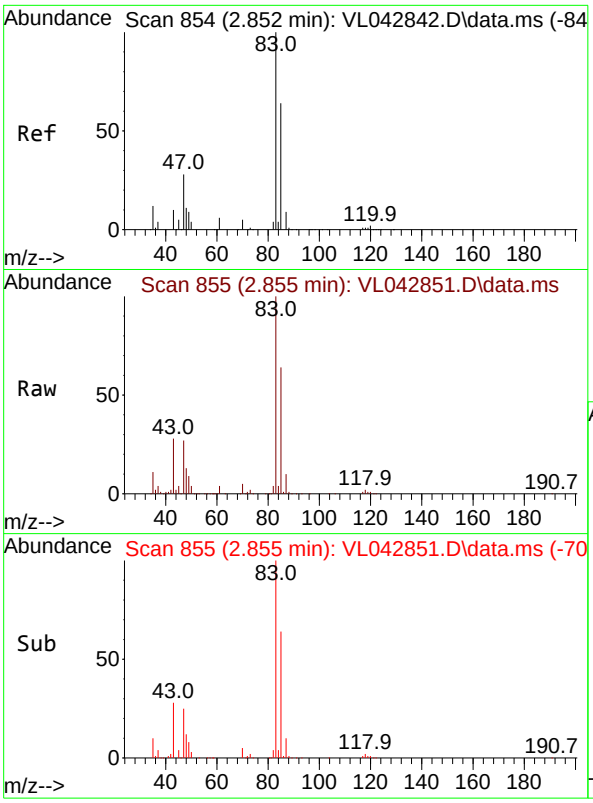


#28
Methyl tert-Butyl Ether
Concen: 9.630 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 73 Resp: 84816

Ion	Ratio	Lower	Upper
73	100		
57	23.2	21.6	32.4



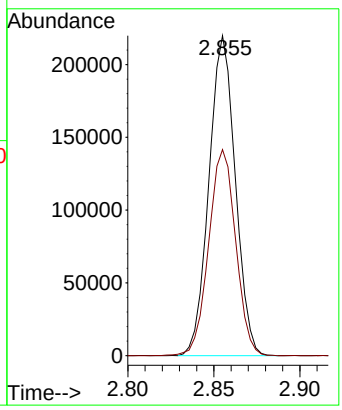


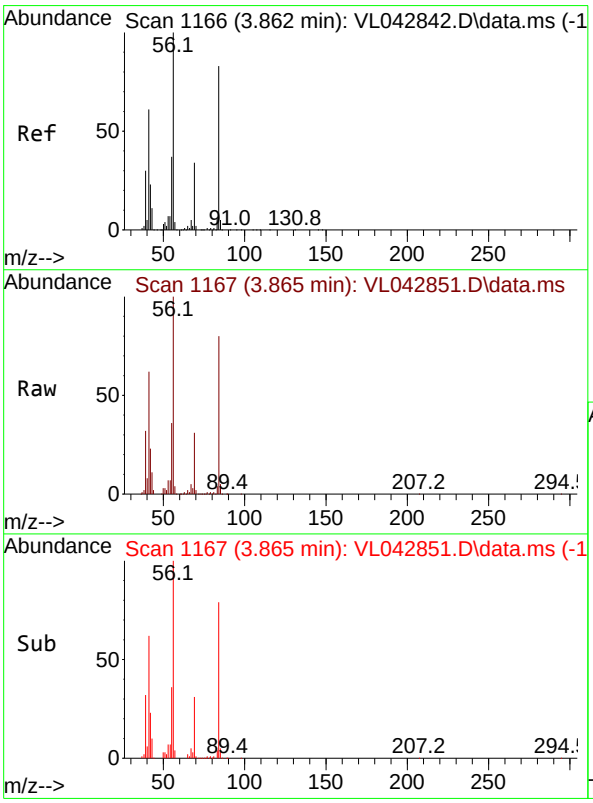
#29
Chloroform
Concen: 9.492 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 83 Resp: 234067

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7

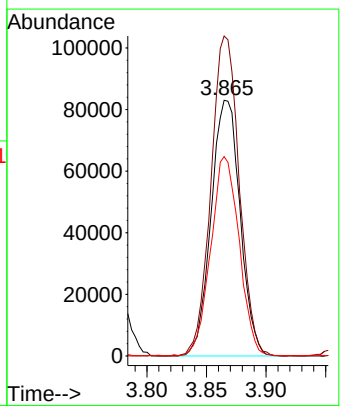


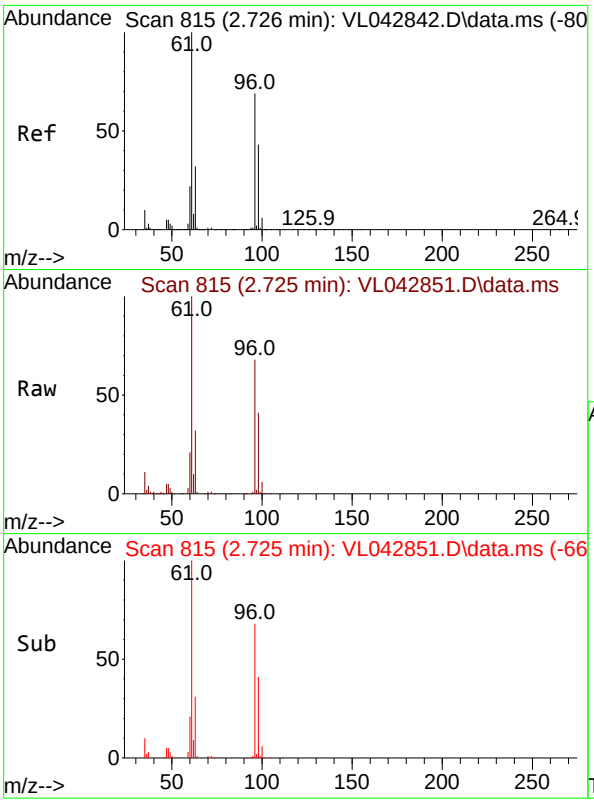


#30
Cyclohexane
Concen: 9.270 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 84 Resp: 140375

Ion	Ratio	Lower	Upper
84	100		
56	122.1	98.8	148.2
41	76.3	61.3	91.9



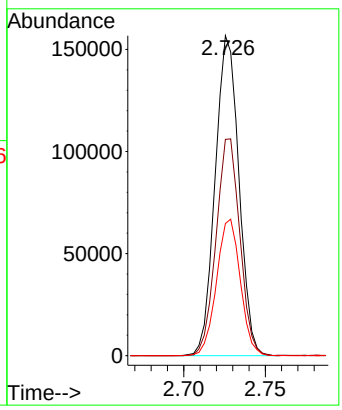


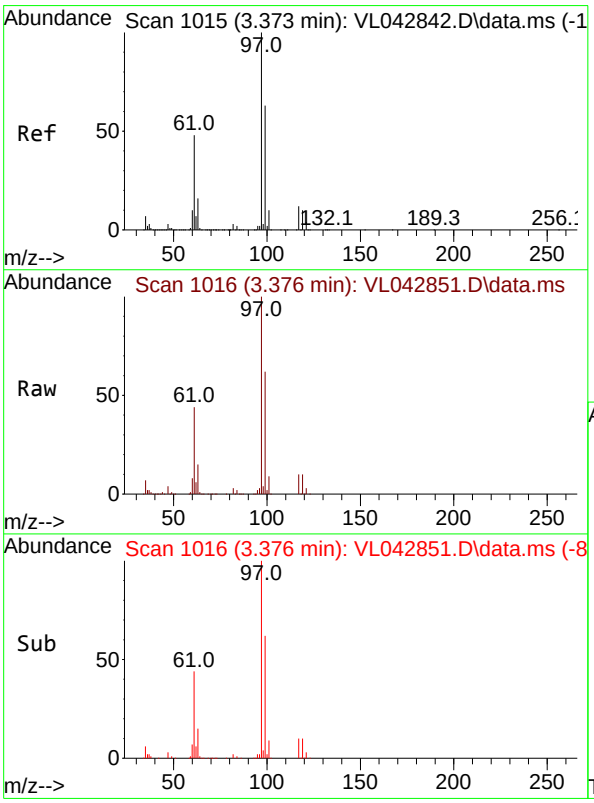
#31
cis-1,2-Dichloroethene
Concen: 9.199 ppbv
RT: 2.725 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 61 Resp: 158712

Ion	Ratio	Lower	Upper
61	100		
96	67.6	55.0	82.6
98	41.3	34.3	51.5

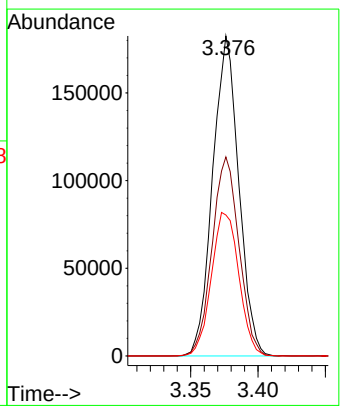


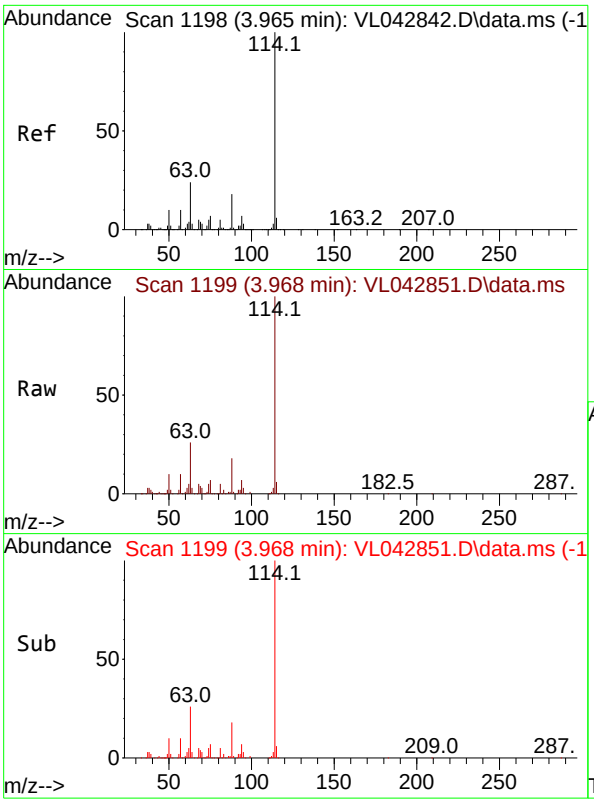


#32
1,1,1-Trichloroethane
Concen: 9.431 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 97 Resp: 245800

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	47.4	38.0	57.0



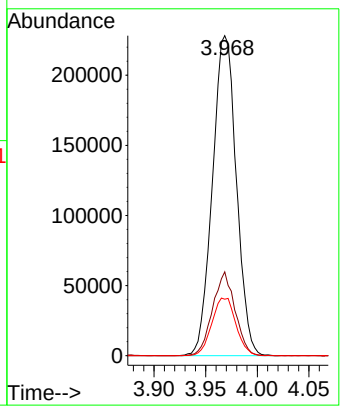


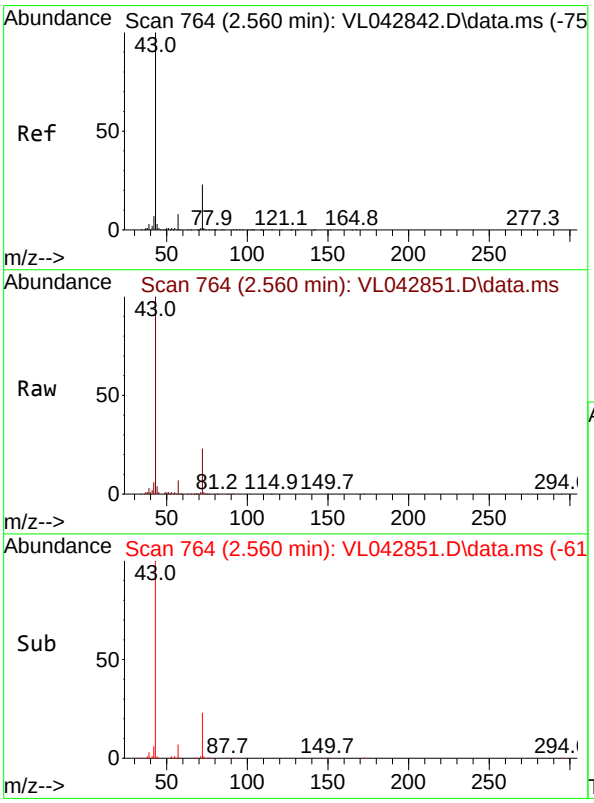
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:114 Resp: 368200

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.7	29.5
88	18.1	14.4	21.6

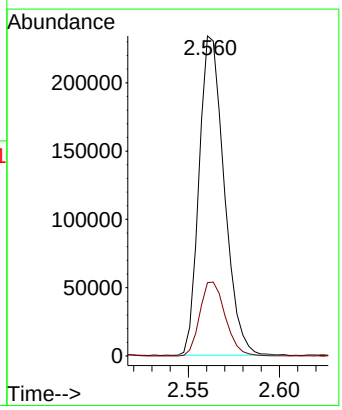


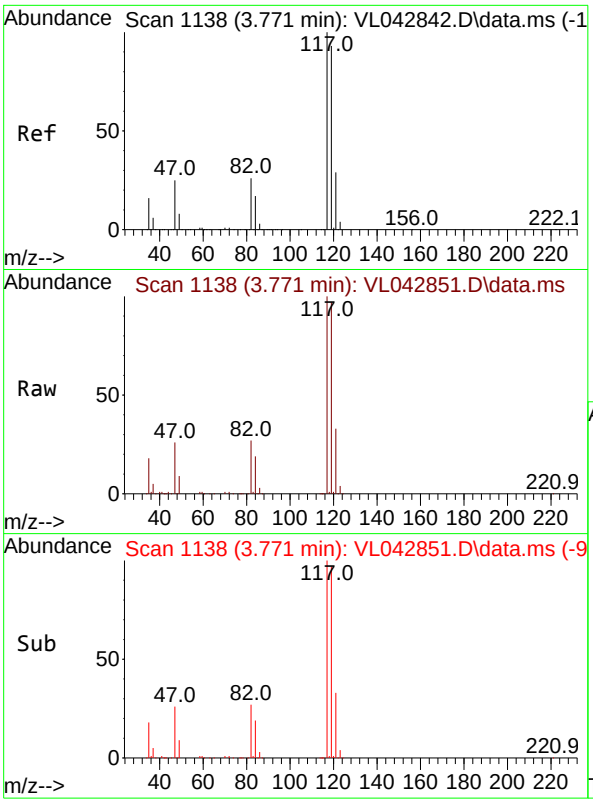


#34
2-Butanone
Concen: 9.016 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 224149

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0



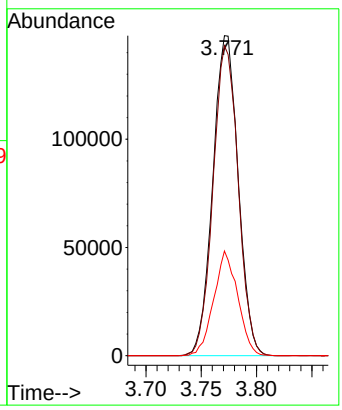


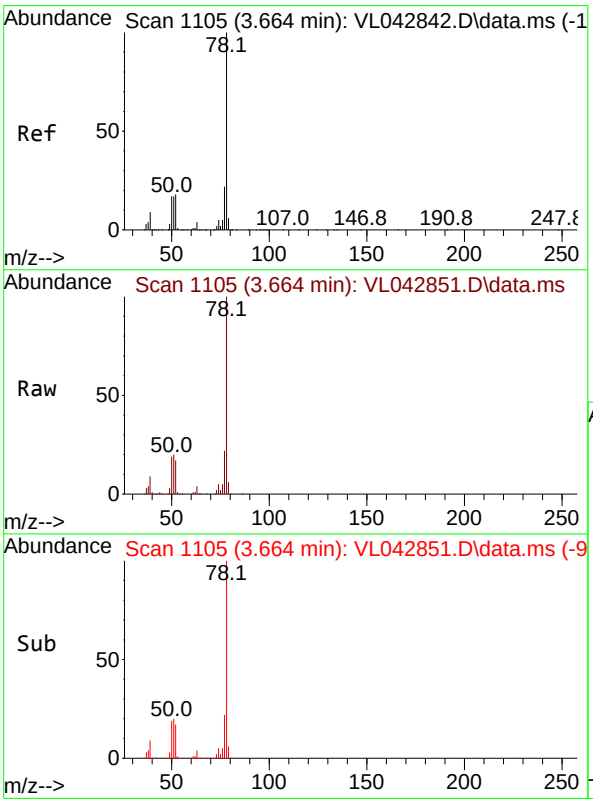
#35
Carbon Tetrachloride
Concen: 9.281 ppbv
RT: 3.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:117 Resp: 235598

Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.7	112.1
121	32.7	23.2	34.8

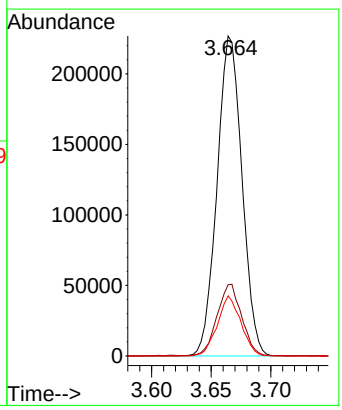


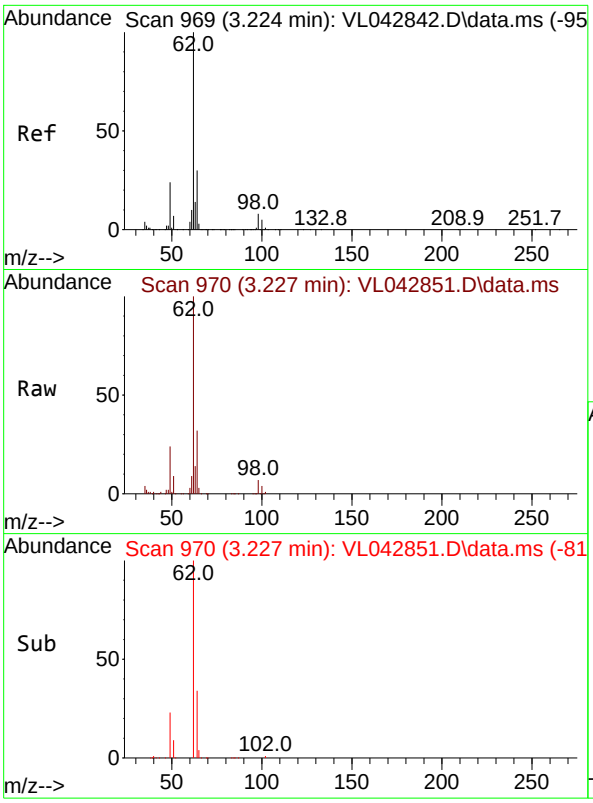


#36
Benzene
Concen: 9.360 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 78 Resp: 330026

Ion	Ratio	Lower	Upper
78	100		
77	22.2	17.7	26.5
50	18.8	13.9	20.9



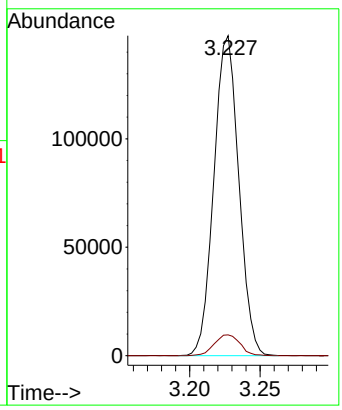


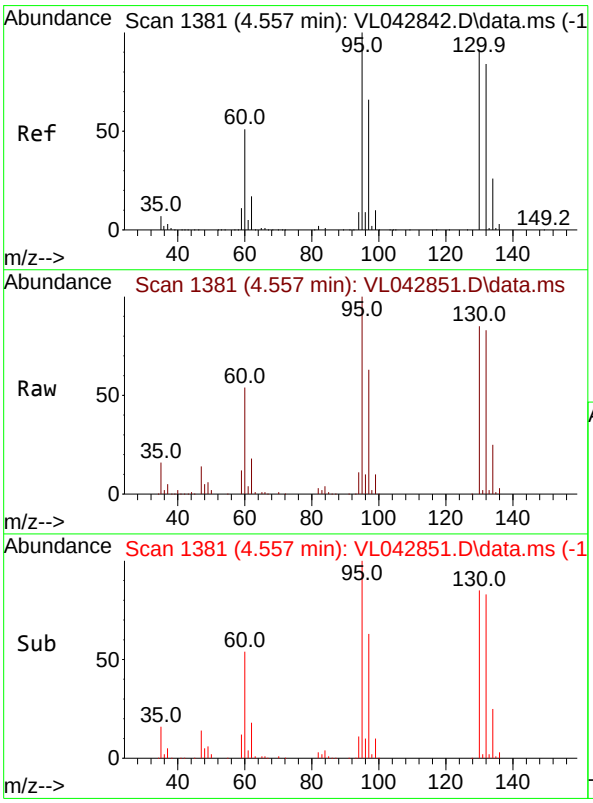
#37
1,2-Dichloroethane
Concen: 9.874 ppbv
RT: 3.227 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 62 Resp: 181878

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.9	8.9

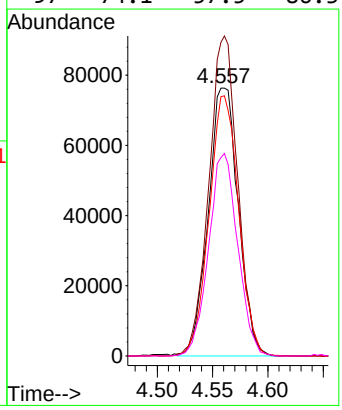


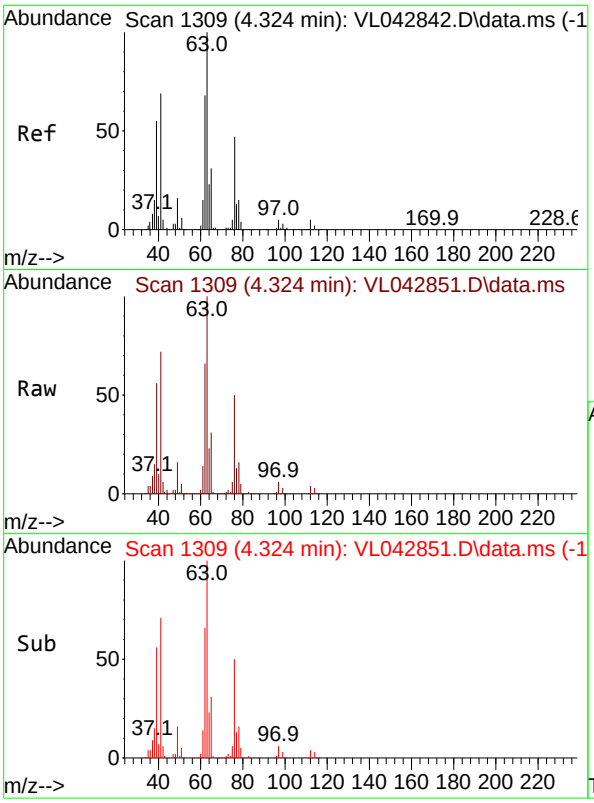


#38
Trichloroethene
Concen: 8.944 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:130 Resp: 144018

Ion	Ratio	Lower	Upper
130	100		
95	117.1	87.6	131.4
132	96.6	73.8	110.8
97	74.1	57.5	86.3



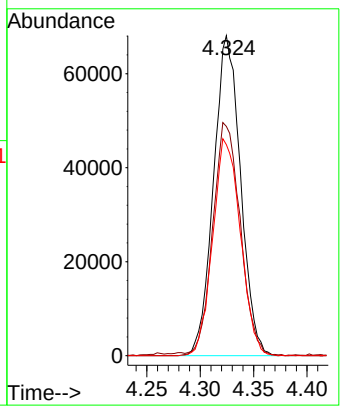


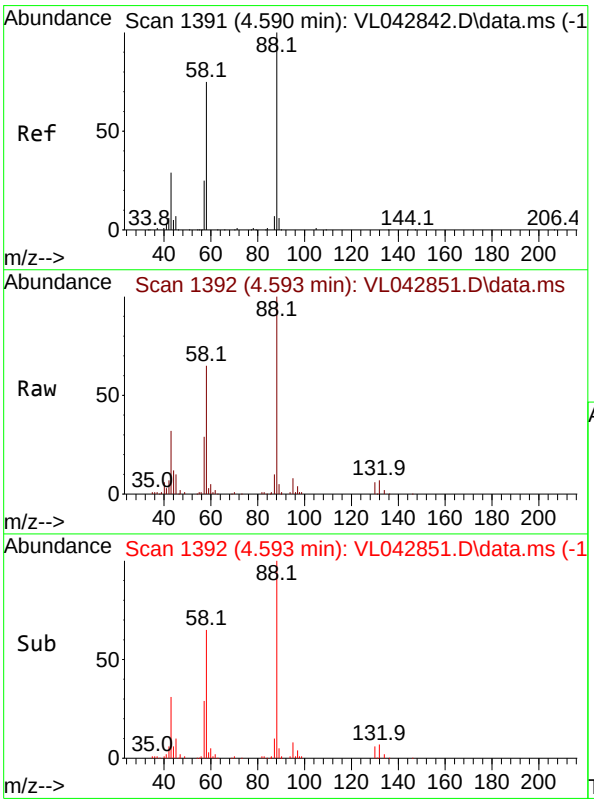
#39
1,2-Dichloropropane
Concen: 9.275 ppbv
RT: 4.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 63 Resp: 119442

Ion	Ratio	Lower	Upper
63	100		
41	71.4	55.0	82.4
62	66.0	54.4	81.6

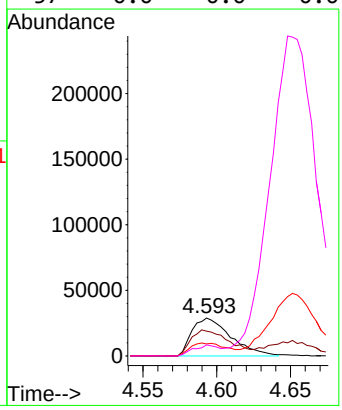


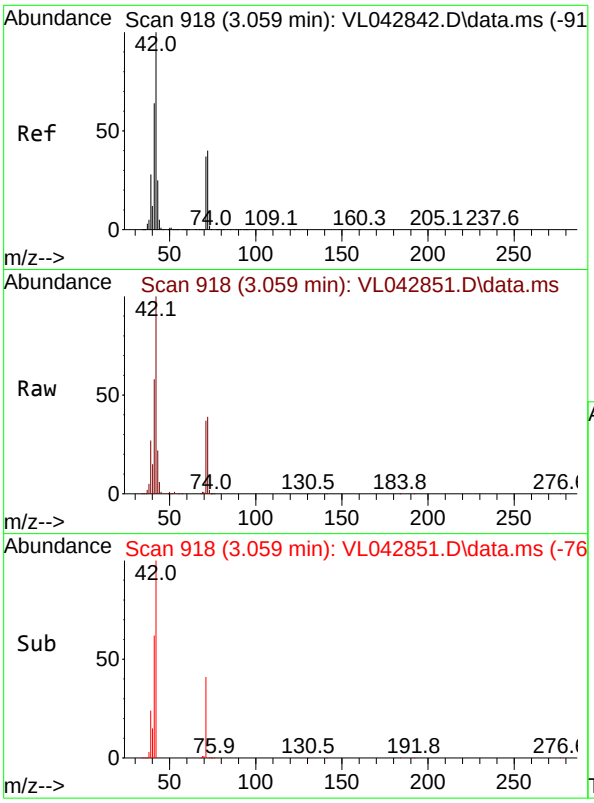


#40
1,4-Dioxane
Concen: 8.683 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 88 Resp: 53171

Ion	Ratio	Lower	Upper
88	100		
58	71.1	53.8	80.6
43	36.3	22.8	34.2#
57	0.0	0.0	0.0



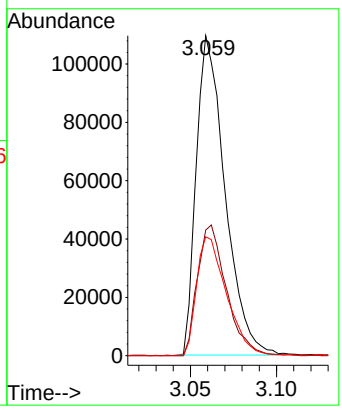


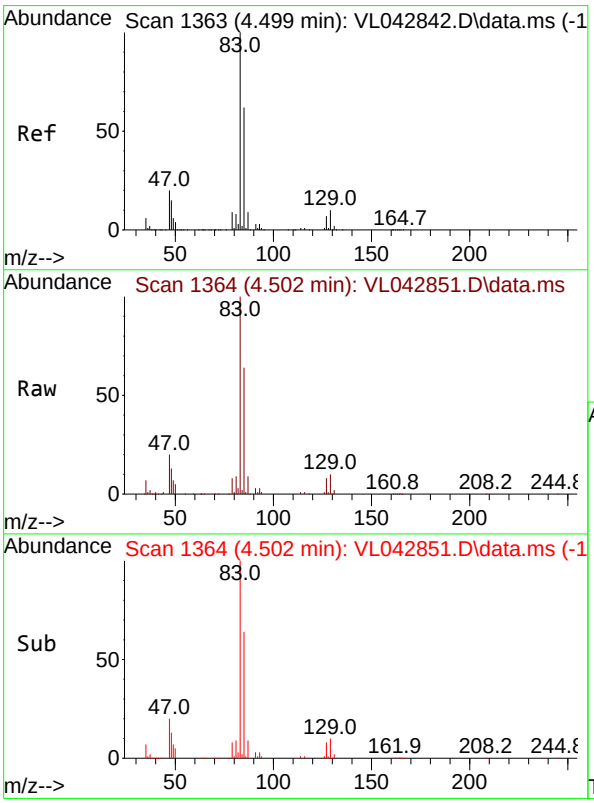
#41
Tetrahydrofuran
Concen: 9.204 ppbv
RT: 3.059 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 42 Resp: 127578

Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.6	48.8
71	38.9	30.0	45.0

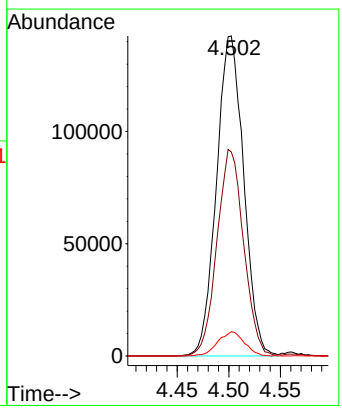


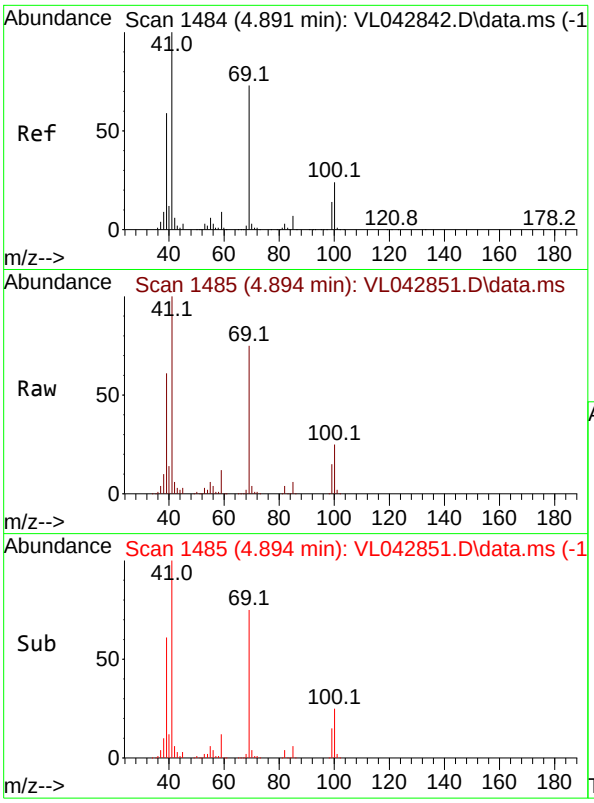


#42
Bromodichloromethane
Concen: 9.522 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 83 Resp: 261380

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.8	74.8
127	7.6	5.8	8.6



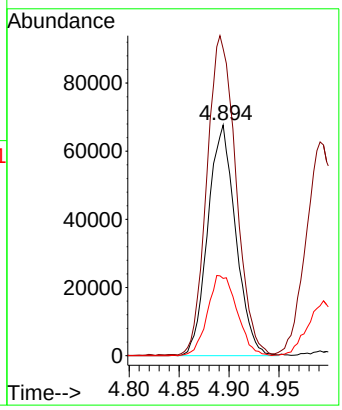


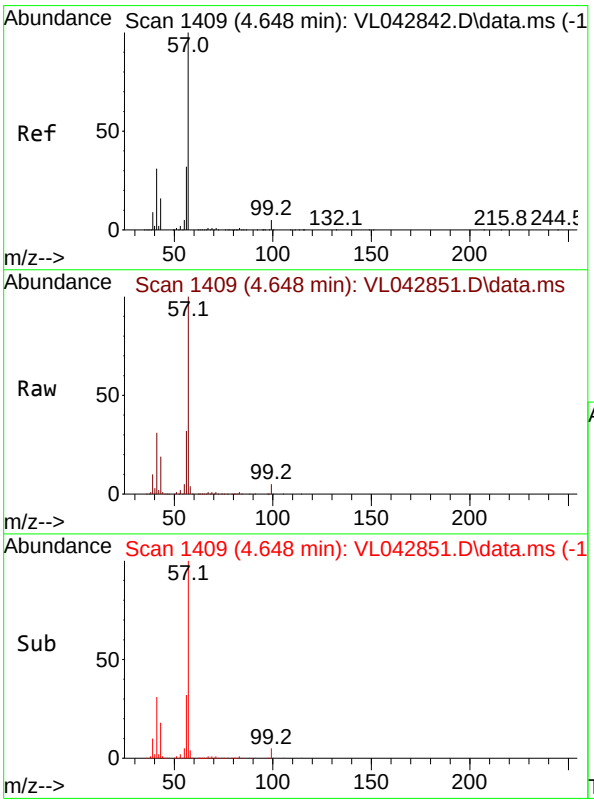
#43
Methyl Methacrylate
Concen: 9.042 ppbv
RT: 4.894 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 69 Resp: 131335

Ion	Ratio	Lower	Upper
69	100		
41	145.5	114.6	172.0
100	36.8	30.2	45.4

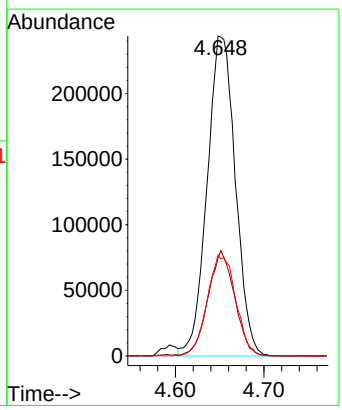


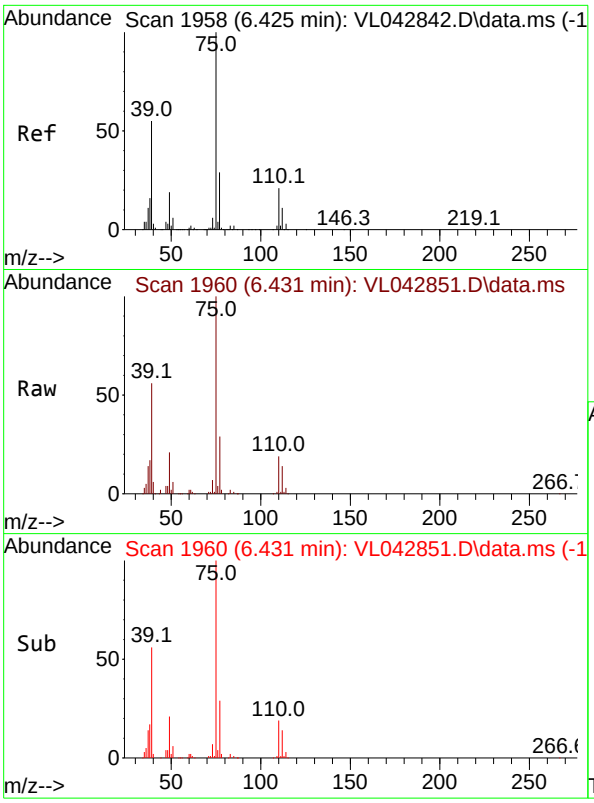


#44
2,2,4-Trimethylpentane
Concen: 9.039 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 57 Resp: 540935

Ion	Ratio	Lower	Upper
57	100		
41	31.5	24.8	37.2
56	31.9	25.5	38.3



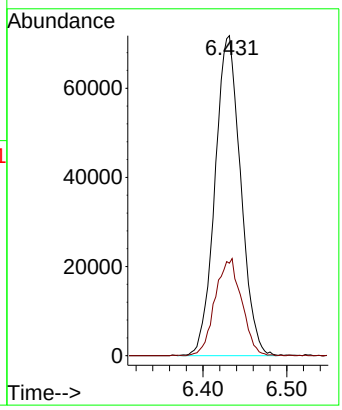


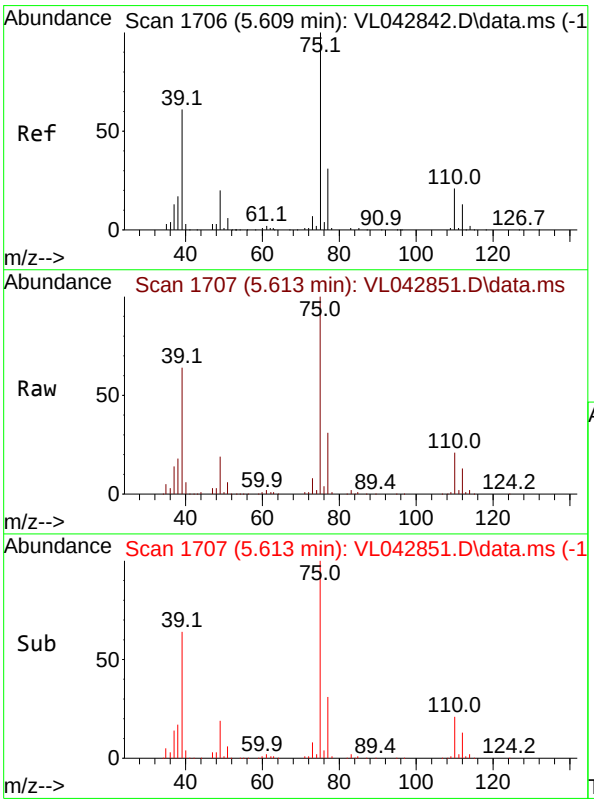
#45
t-1,3-Dichloropropene
Concen: 9.309 ppbv
RT: 6.431 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 75 Resp: 152588

Ion	Ratio	Lower	Upper
75	100		
77	28.9	23.8	35.6

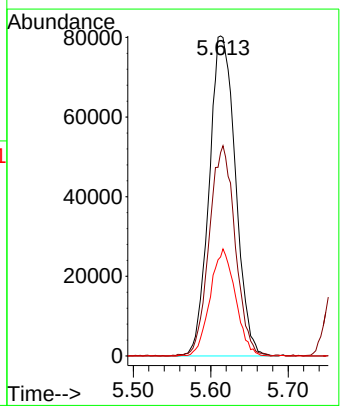


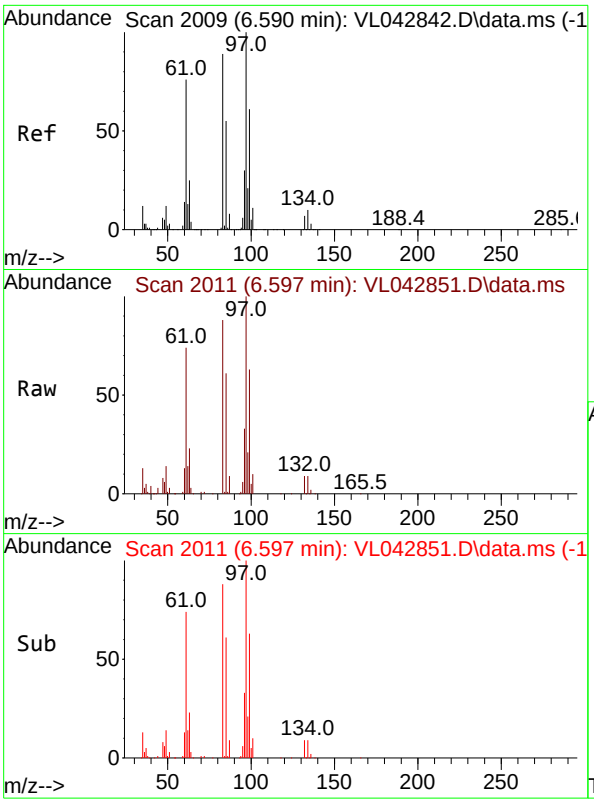


#46
cis-1,3-Dichloropropene
Concen: 9.285 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 75 Resp: 189646

Ion	Ratio	Lower	Upper
75	100		
39	63.2	48.9	73.3
77	30.9	24.9	37.3



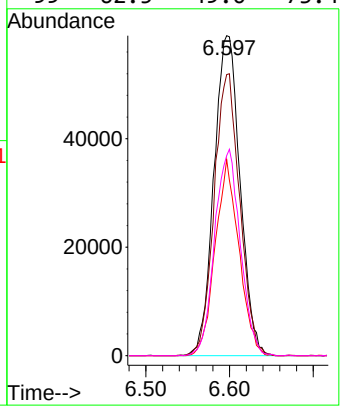


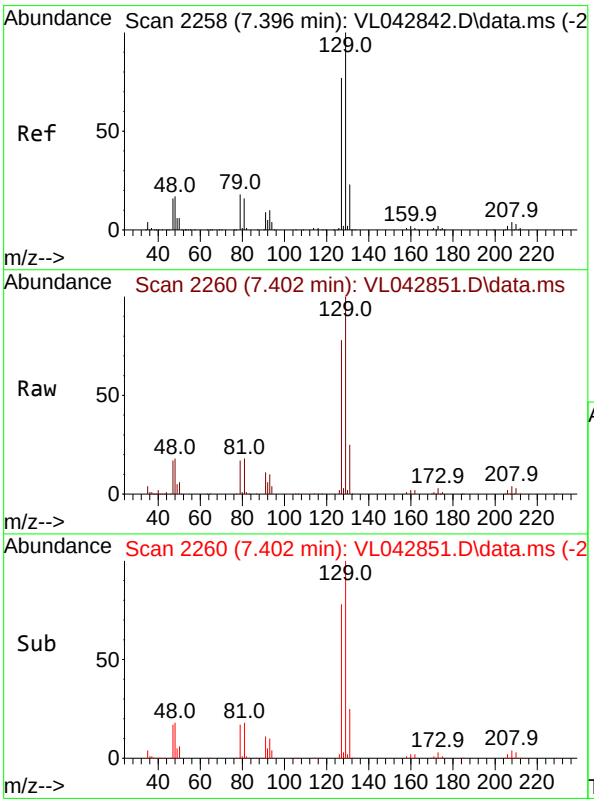
#47
1,1,2-Trichloroethane
Concen: 9.357 ppbv
RT: 6.597 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 97 Resp: 127667

Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.0	106.4
85	61.3	43.6	65.4
99	62.5	49.0	73.4

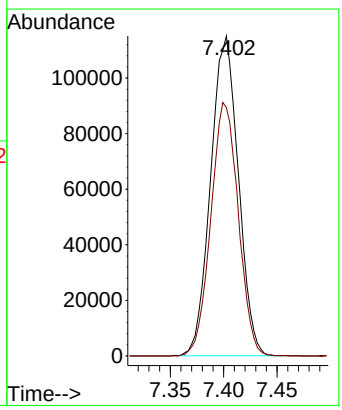


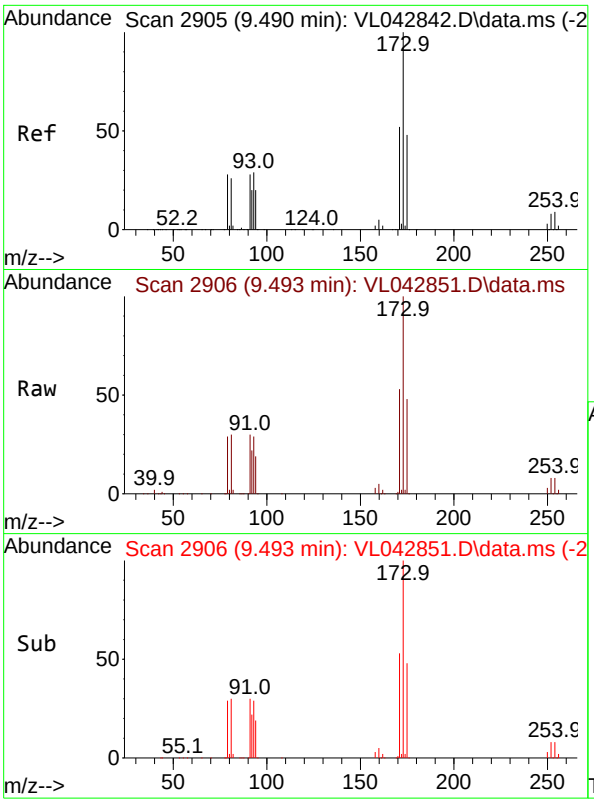


#48
Dibromochloromethane
Concen: 9.412 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:129 Resp: 207804

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2



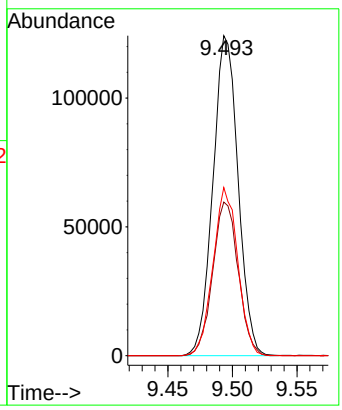


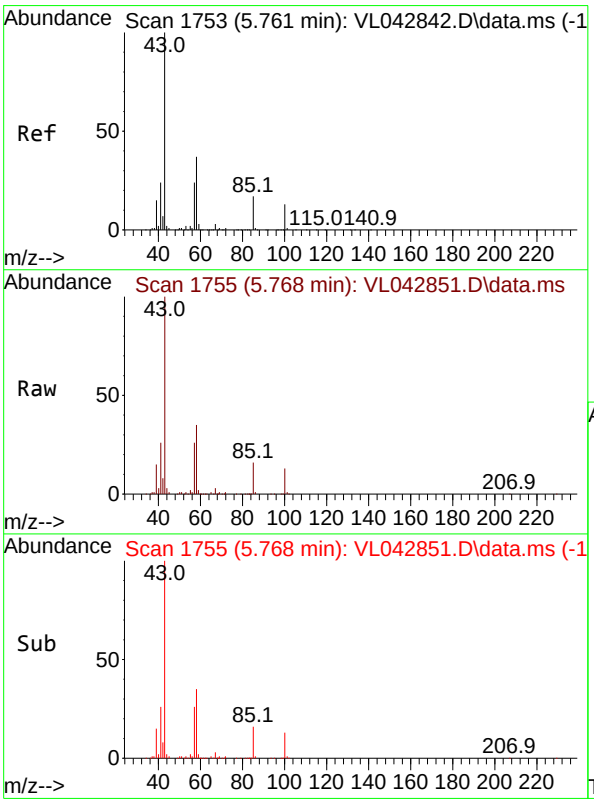
#49
Bromoform
Concen: 9.228 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:173 Resp: 168015

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.2	58.8
171	51.7	41.3	61.9

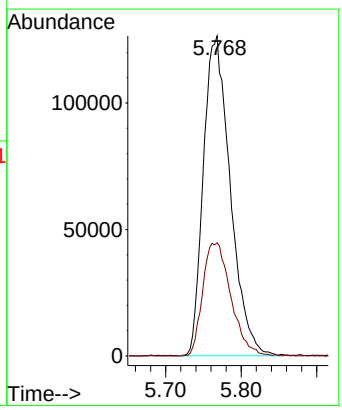


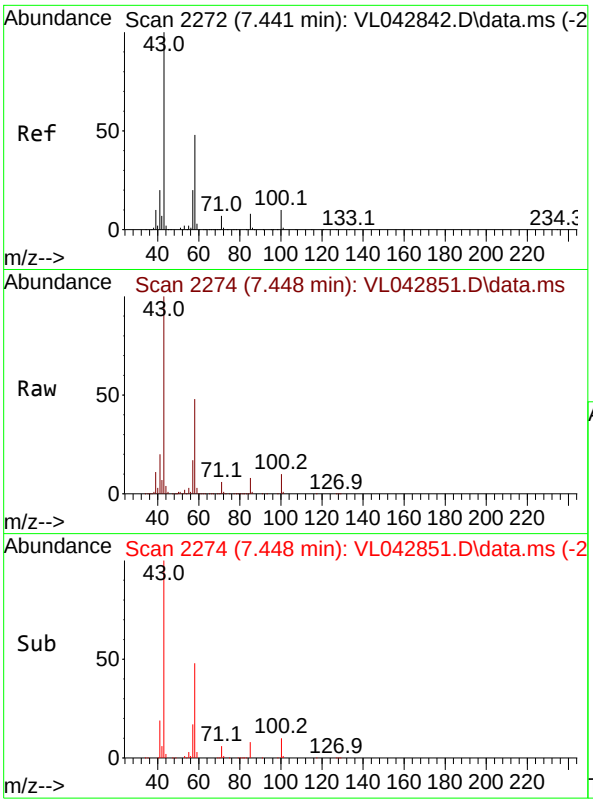


#50
4-Methyl-2-Pentanone
Concen: 9.286 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 312046

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.8	44.8



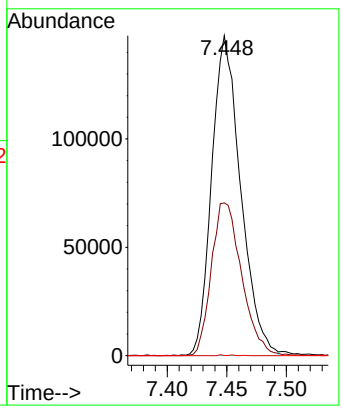


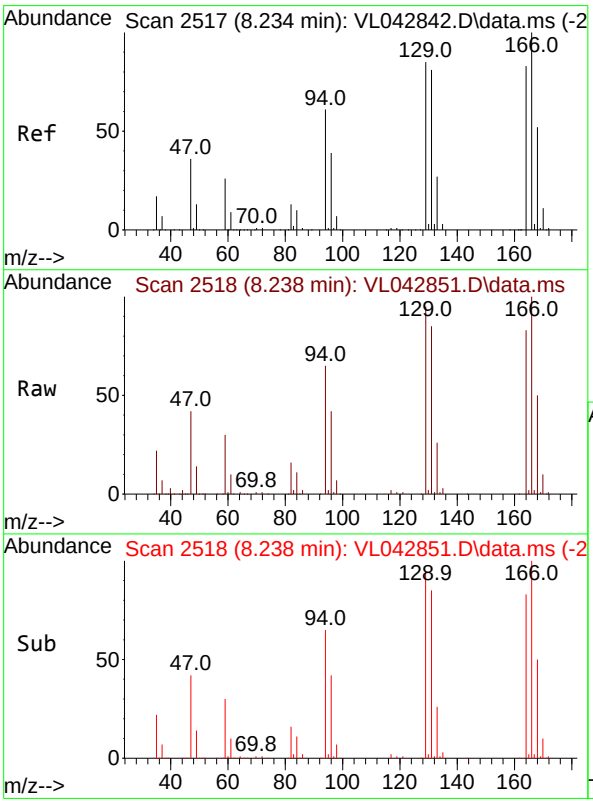
#51
2-Hexanone
Concen: 9.404 ppbv
RT: 7.448 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 43 Resp: 248690

Ion	Ratio	Lower	Upper
43	100		
58	50.3	41.0	61.6
98	0.1	0.1	0.1

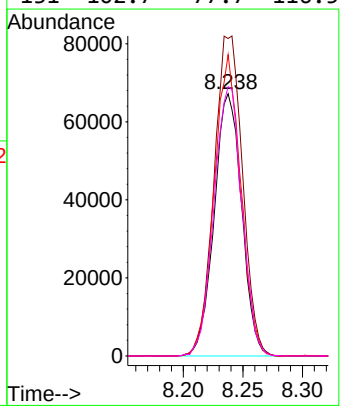


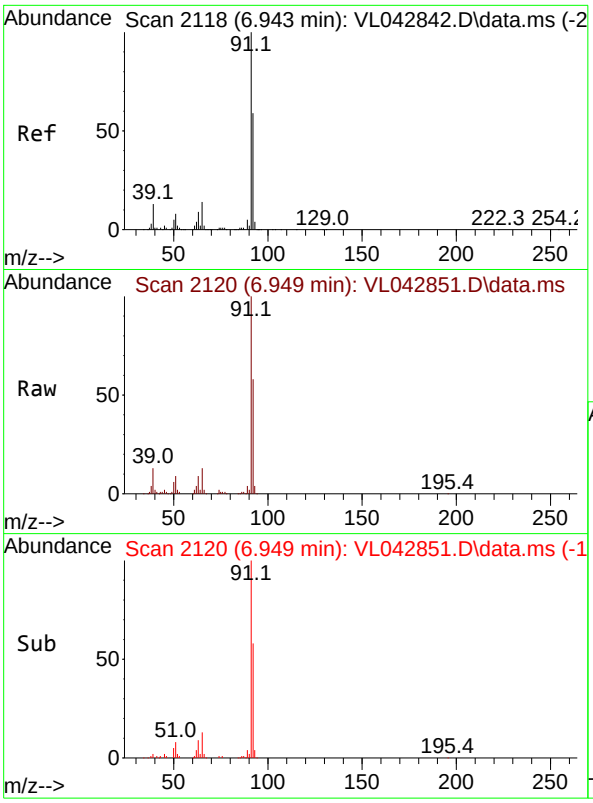


#52
Tetrachloroethene
Concen: 8.434 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:164 Resp: 107577

Ion	Ratio	Lower	Upper
164	100		
166	121.0	96.5	144.7
129	114.9	81.8	122.6
131	102.7	77.7	116.5



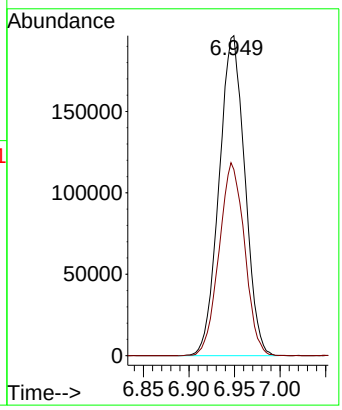


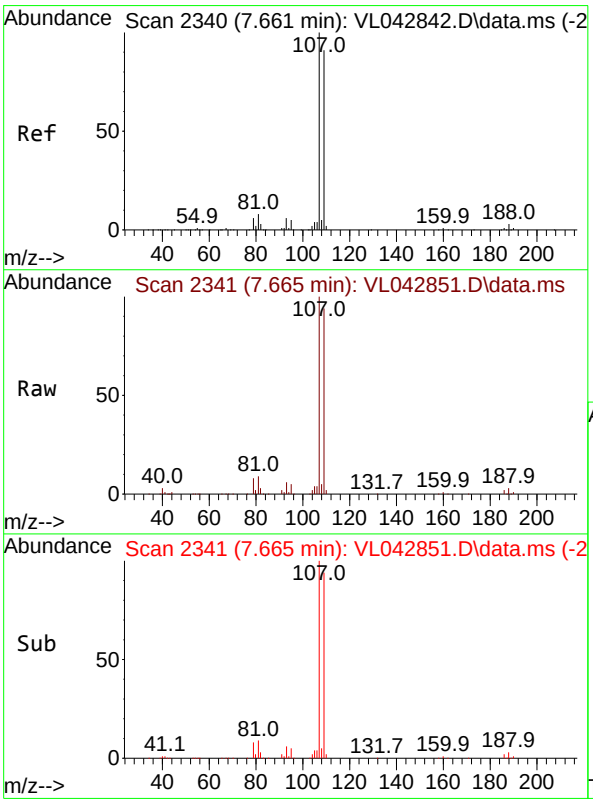
#53
Toluene
Concen: 9.216 ppbv
RT: 6.949 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 91 Resp: 386291

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6

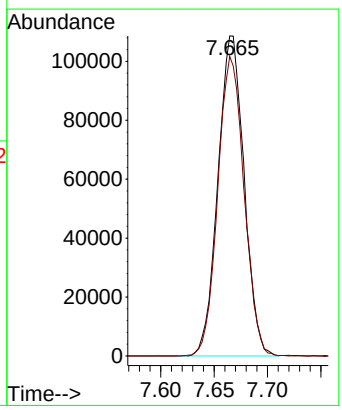


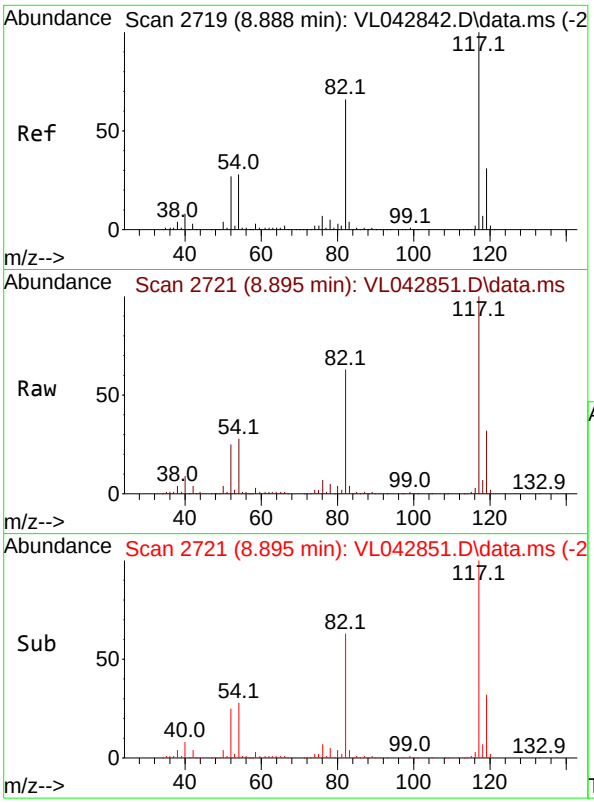


#54
1,2-Dibromoethane
Concen: 9.275 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:107 Resp: 184932

Ion	Ratio	Lower	Upper
107	100		
109	93.6	72.5	108.7



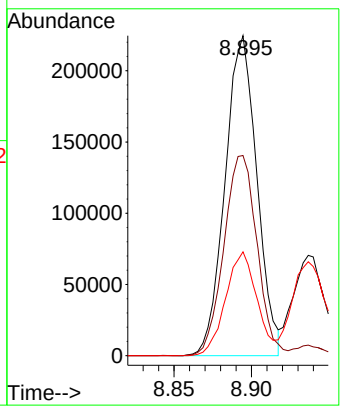


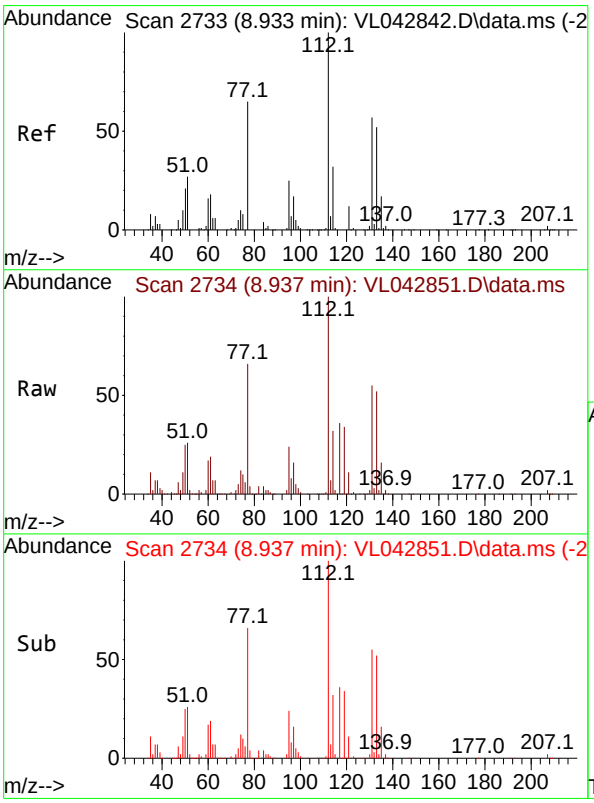
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:117 Resp: 322291

Ion	Ratio	Lower	Upper
117	100		
82	67.9	54.6	81.8
119	31.0	25.9	38.9

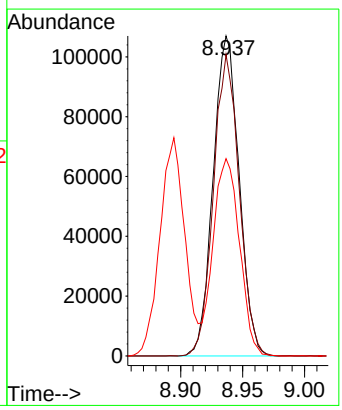


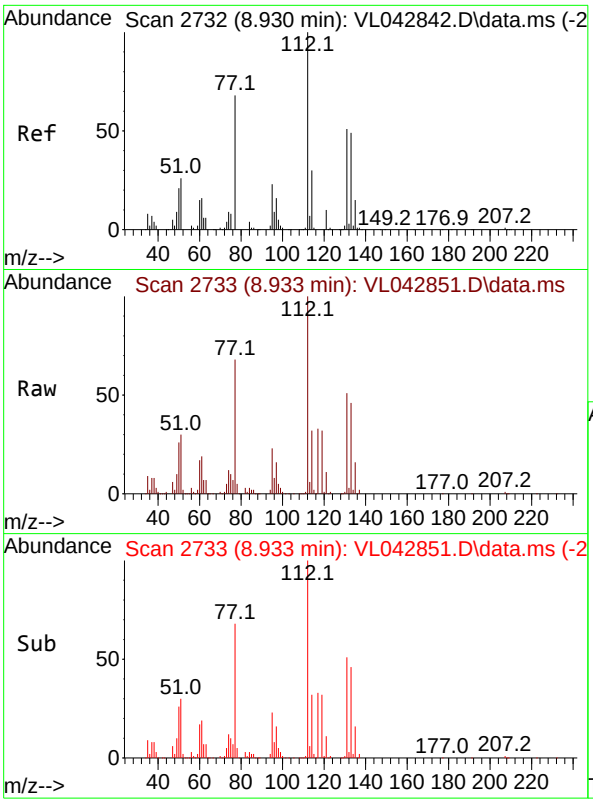


#56
1,1,1,2-Tetrachloroethane
Concen: 9.381 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:131 Resp: 156352

Ion	Ratio	Lower	Upper
131	100		
133	93.5	77.4	116.0
119	63.4	51.2	76.8



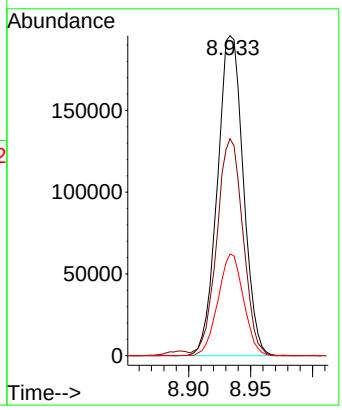


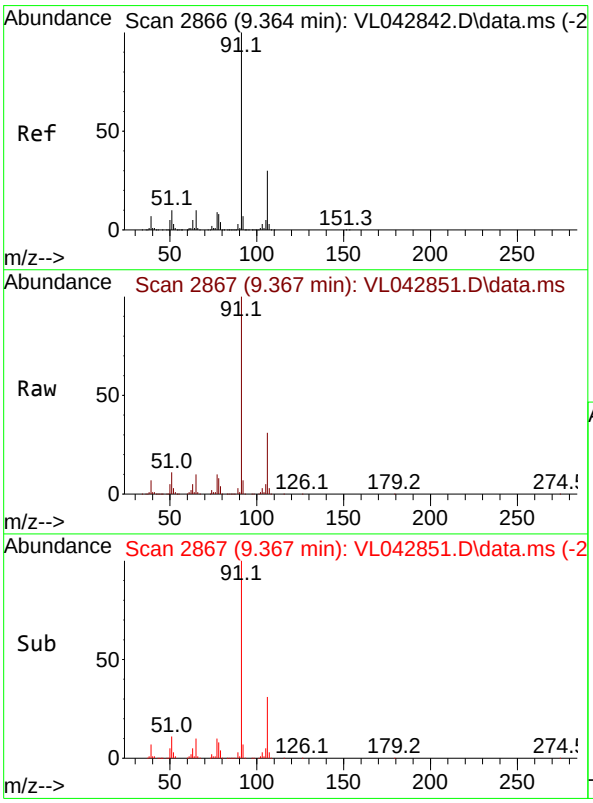
#57
Chlorobenzene
Concen: 9.326 ppbv
RT: 8.933 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:112 Resp: 285789

Ion	Ratio	Lower	Upper
112	100		
77	67.7	55.5	83.3
114	31.8	27.2	33.2

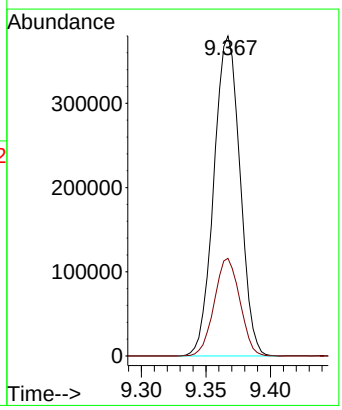


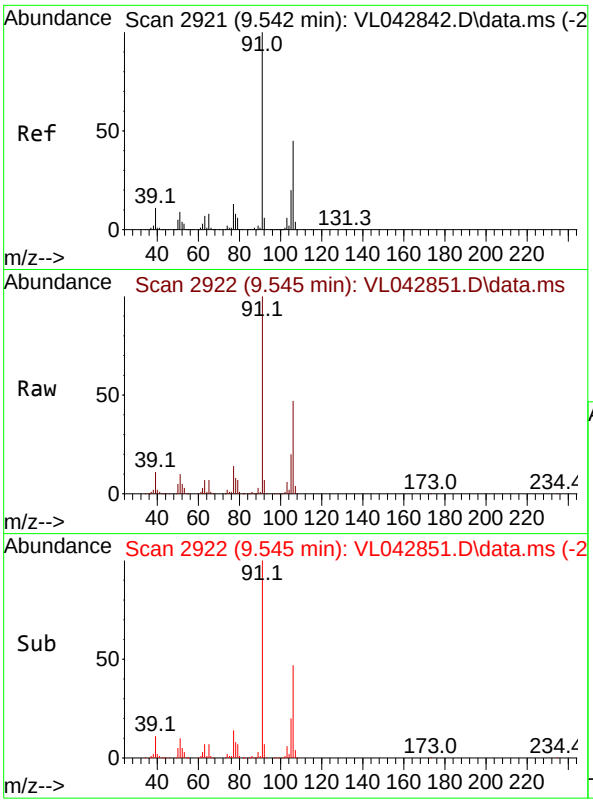


#58
Ethyl Benzene
Concen: 9.389 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 534013

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9



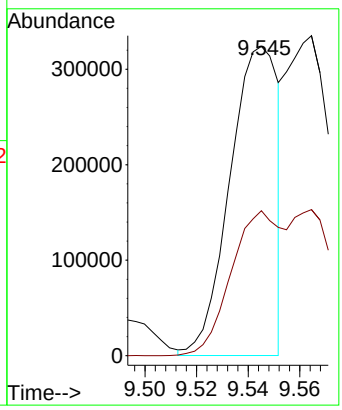


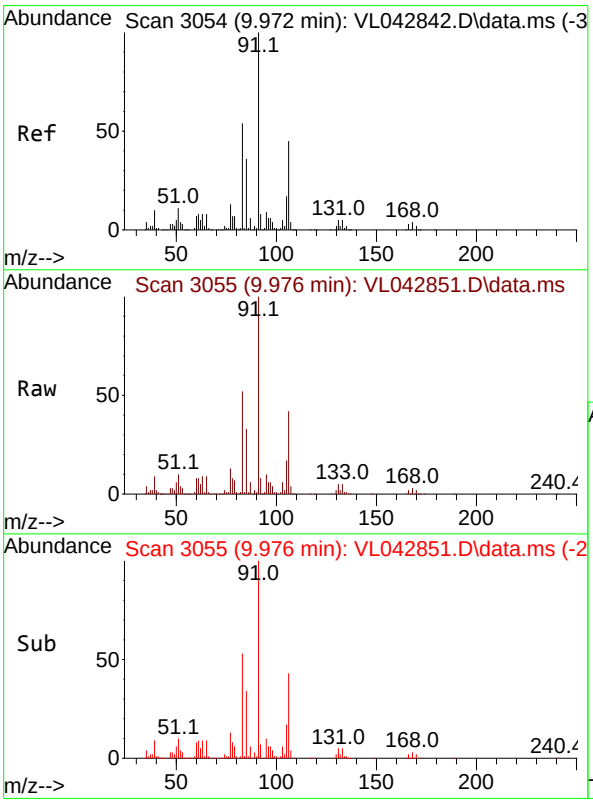
#59
m/p-Xylene
Concen: 9.381 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 91 Resp: 418211

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

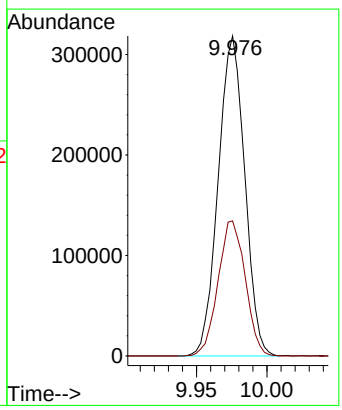


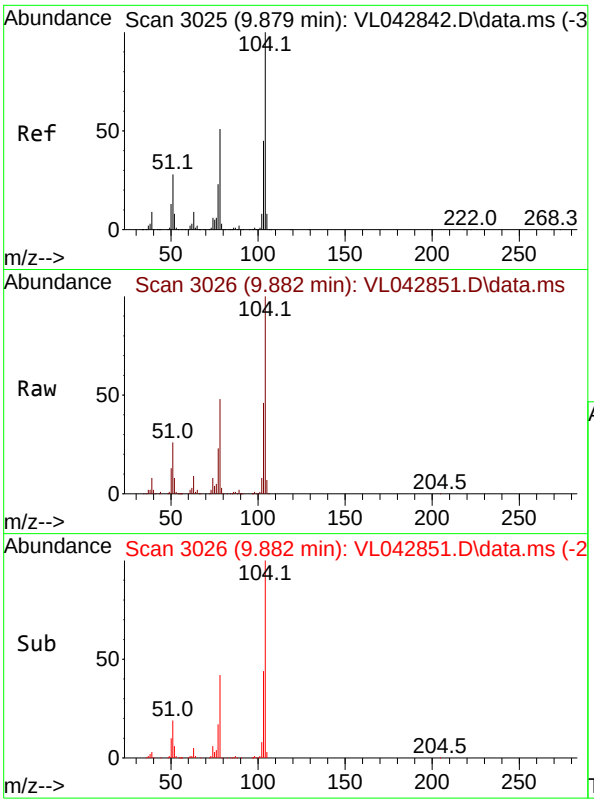


#60
o-Xylene
Concen: 9.308 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 417423

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.8	65.4



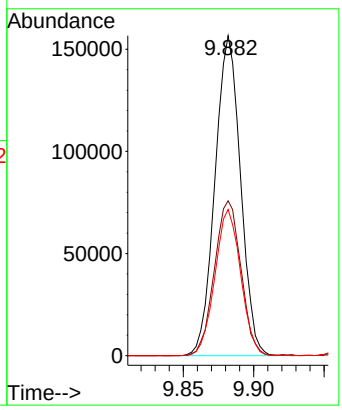


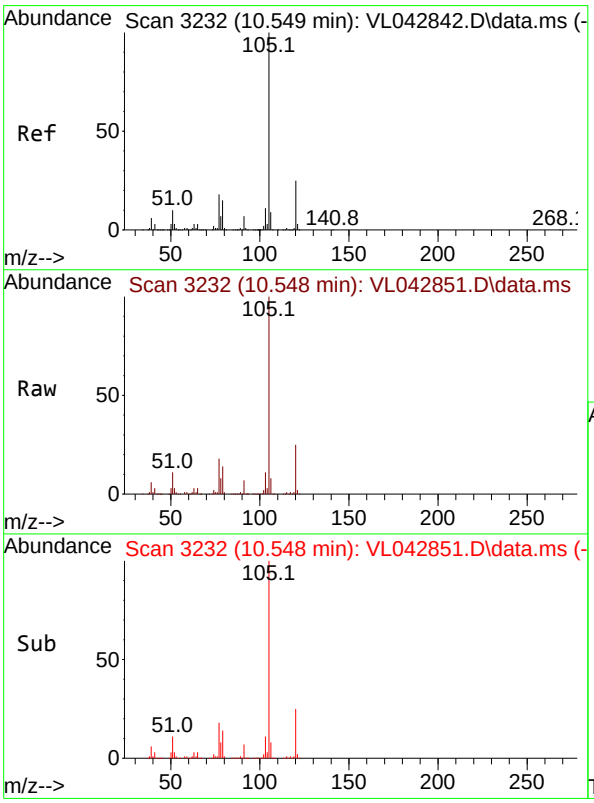
#61
Styrene
Concen: 9.414 ppbv
RT: 9.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:104 Resp: 197790

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	61.0
103	46.1	37.7	56.5

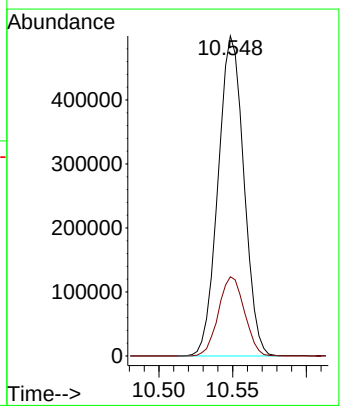


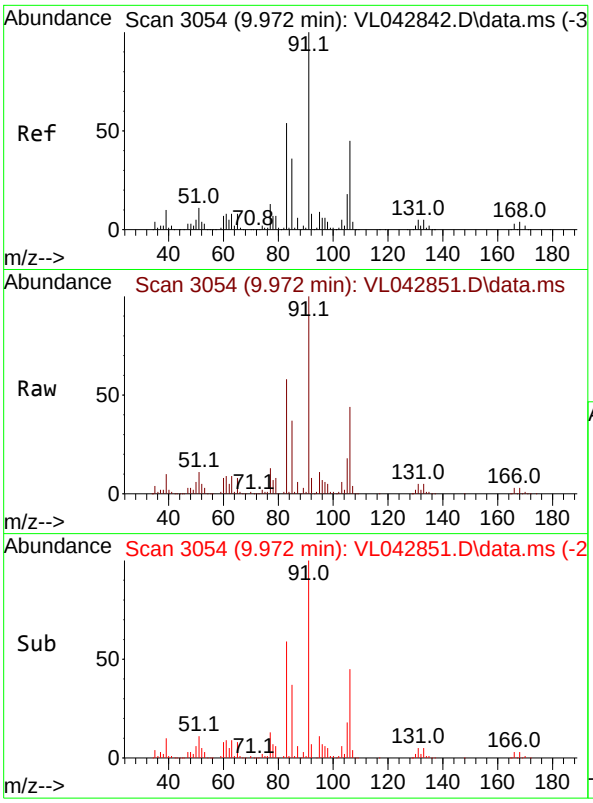


#62
Isopropylbenzene
Concen: 9.271 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 607606

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	30.8



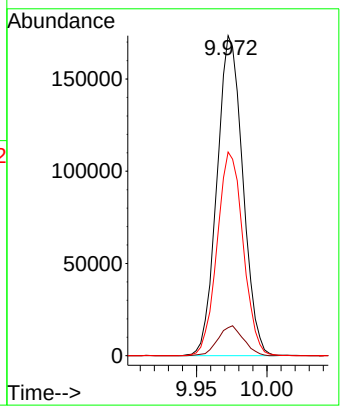


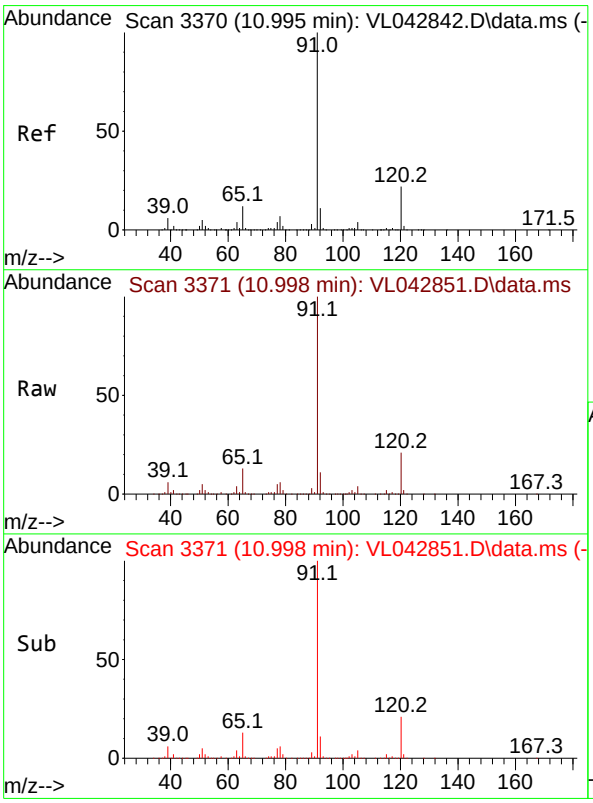
#63
1,1,2,2-Tetrachloroethane
Concen: 8.990 ppbv
RT: 9.972 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 83 Resp: 221716

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.1	32.3	96.8

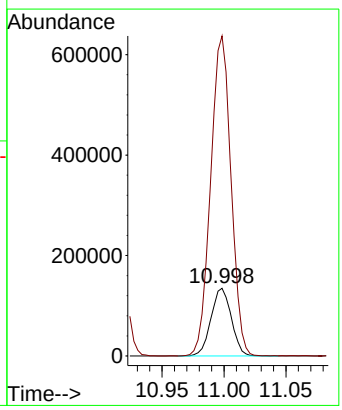


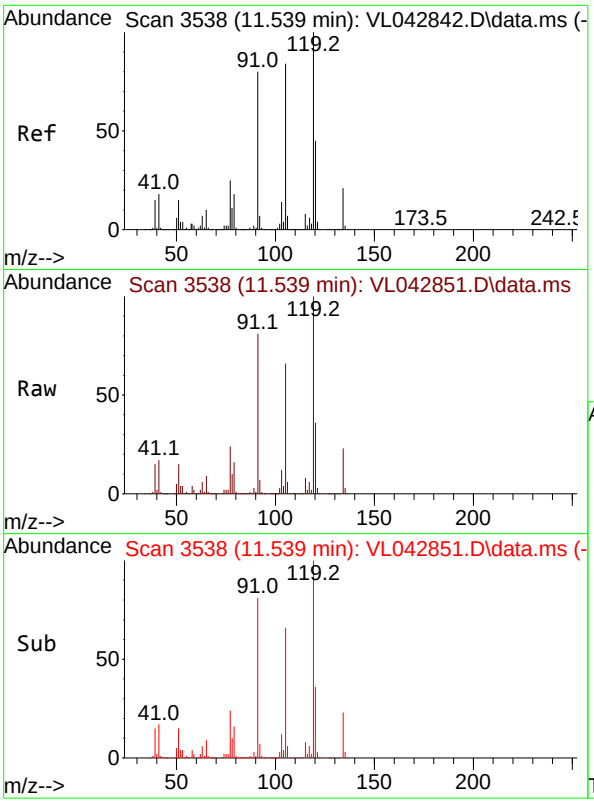


#64
n-propylbenzene
Concen: 9.205 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:120 Resp: 153914

Ion	Ratio	Lower	Upper
120	100		
91	475.5	375.8	563.6



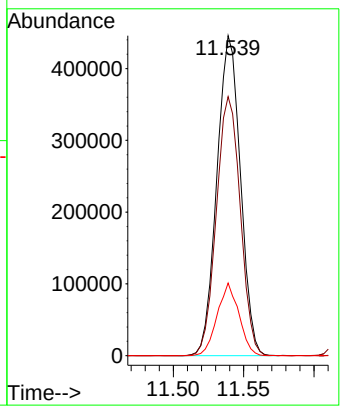


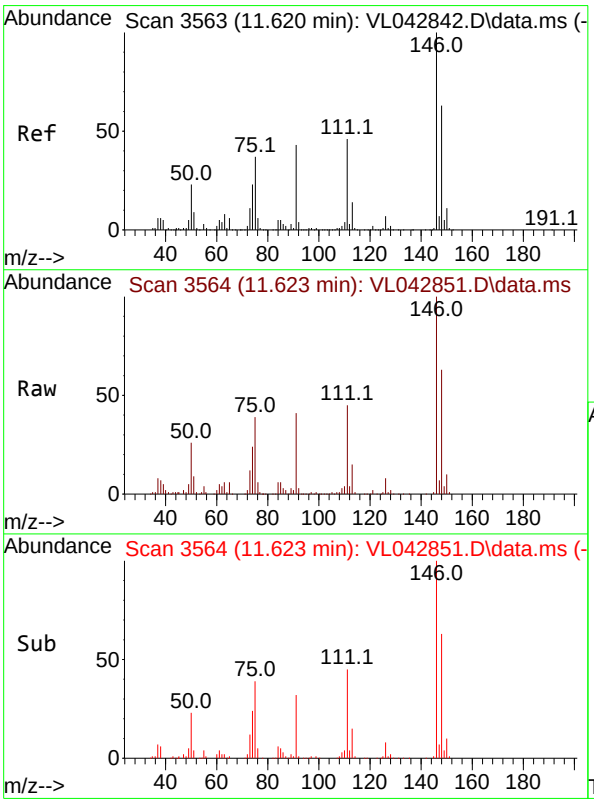
#65
tert-Butylbenzene
Concen: 8.983 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:119 Resp: 518992

Ion	Ratio	Lower	Upper
119	100		
91	82.2	63.9	95.9
134	21.0	17.0	25.4

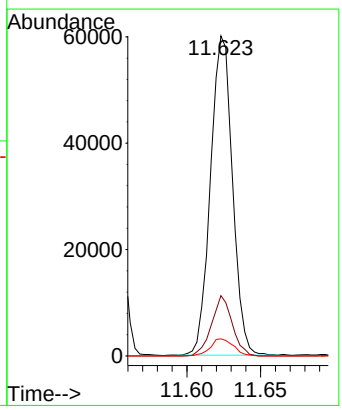


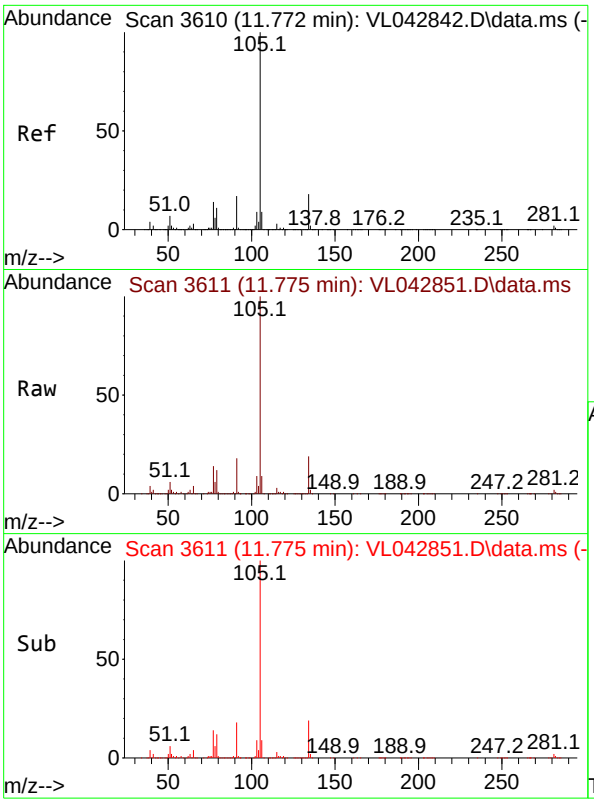


#66
Benzyl Chloride
Concen: 8.494 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 62299

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.4
128	5.7	5.0	7.6



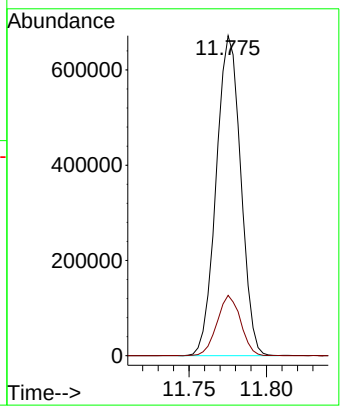


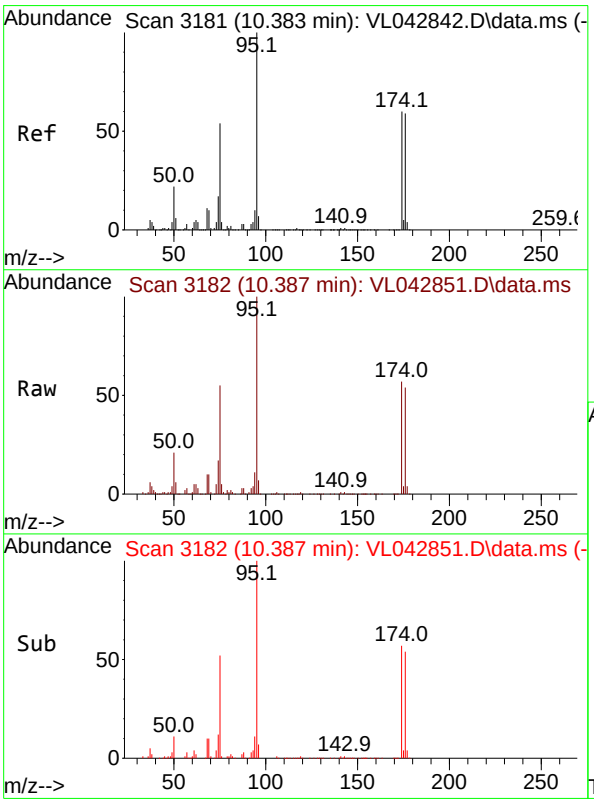
#67
sec-Butylbenzene
Concen: 9.141 ppbv
RT: 11.775 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:105 Resp: 741280

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.9	22.3

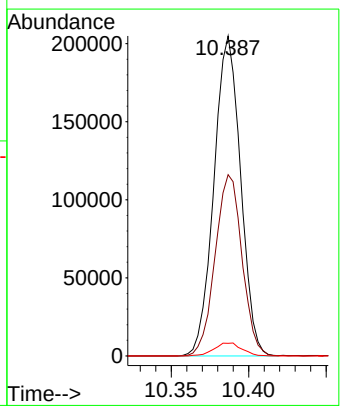


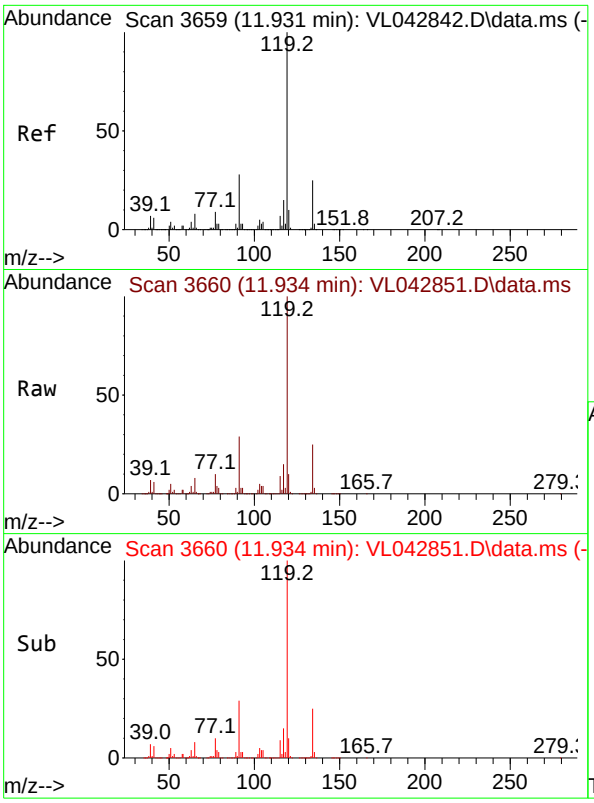


#68
1-Bromo-4-Fluorobenzene
Concen: 10.134 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 95 Resp: 244955

Ion	Ratio	Lower	Upper
95	100		
174	57.3	48.4	72.6
175	4.2	3.8	5.8



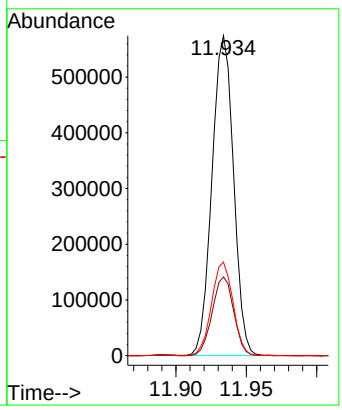


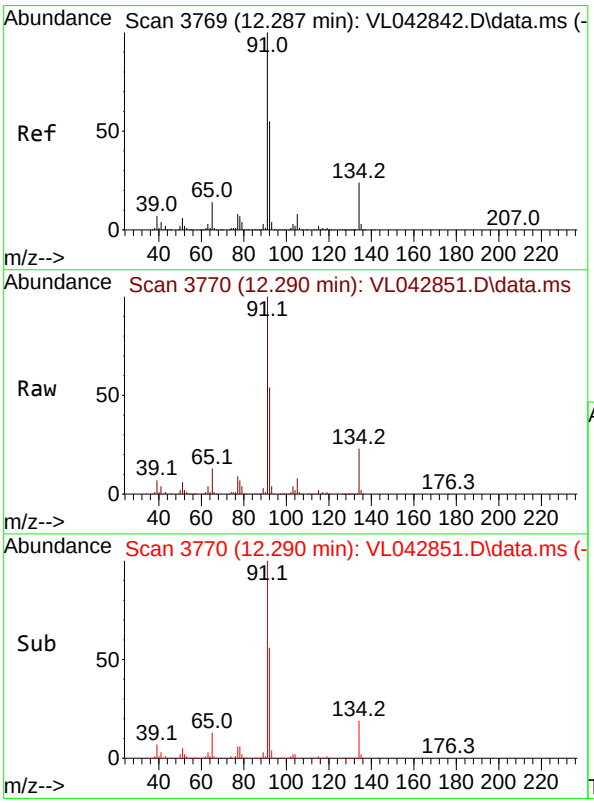
#69
p-Isopropyltoluene
Concen: 8.795 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:119 Resp: 612316

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	30.8
91	29.3	22.6	34.0

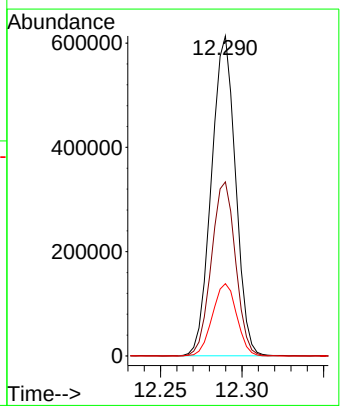


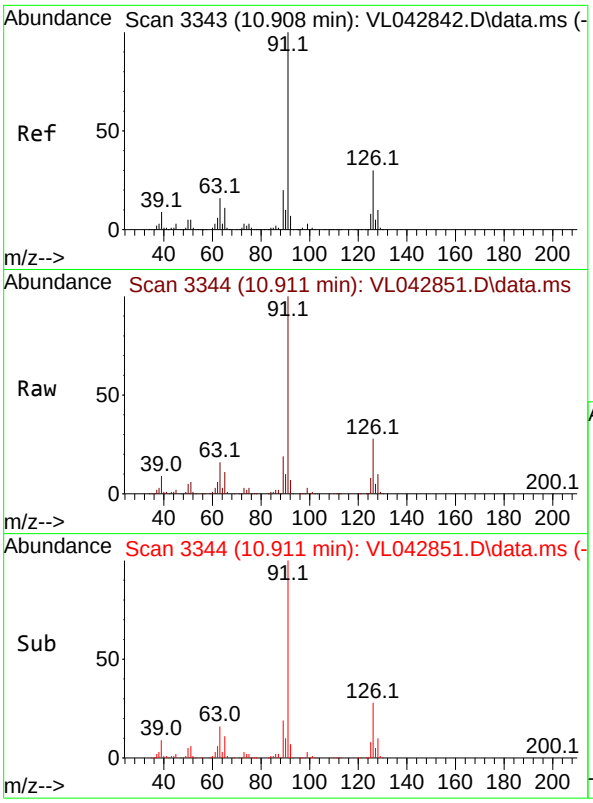


#70
n-Butylbenzene
Concen: 9.122 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 91 Resp: 629840

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	22.9	19.0	28.4



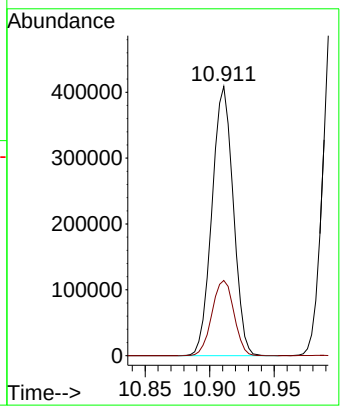


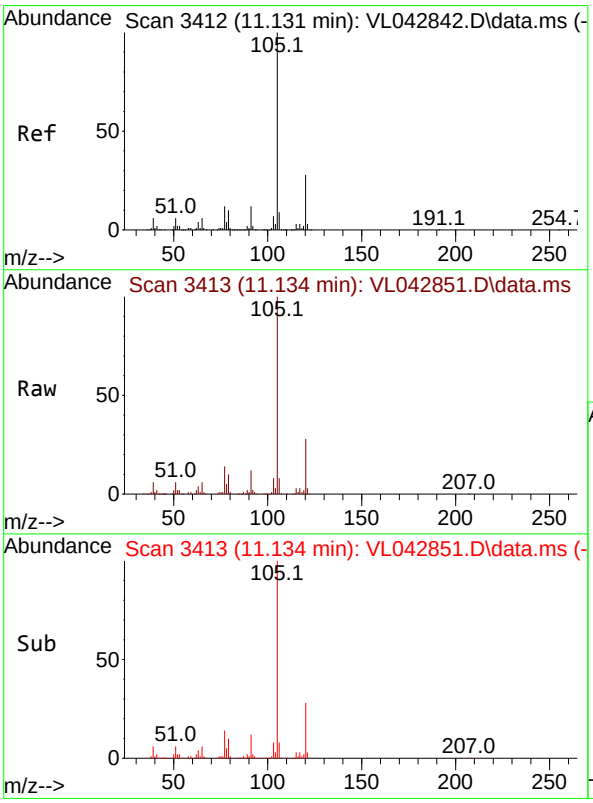
#71
2-Chlorotoluene
Concen: 9.188 ppbv
RT: 10.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion: 91 Resp: 467569

Ion	Ratio	Lower	Upper
91	100		
126	28.9	12.0	47.8

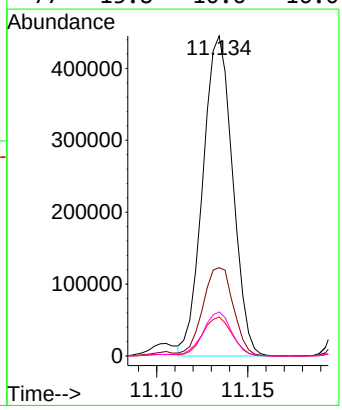


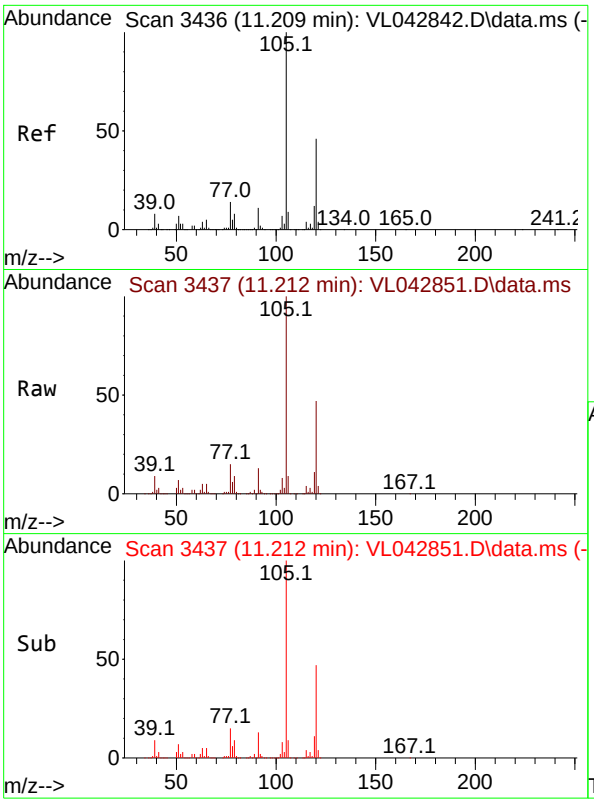


#72
4-Ethyltoluene
Concen: 9.297 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 505391

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.4	35.2
91	12.6	9.8	14.6
77	13.8	10.6	16.0



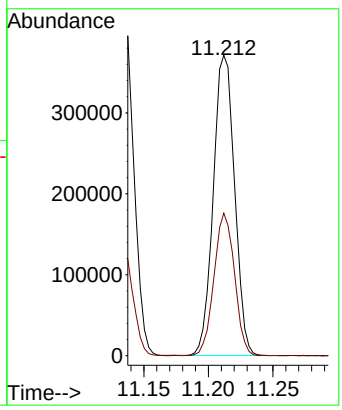


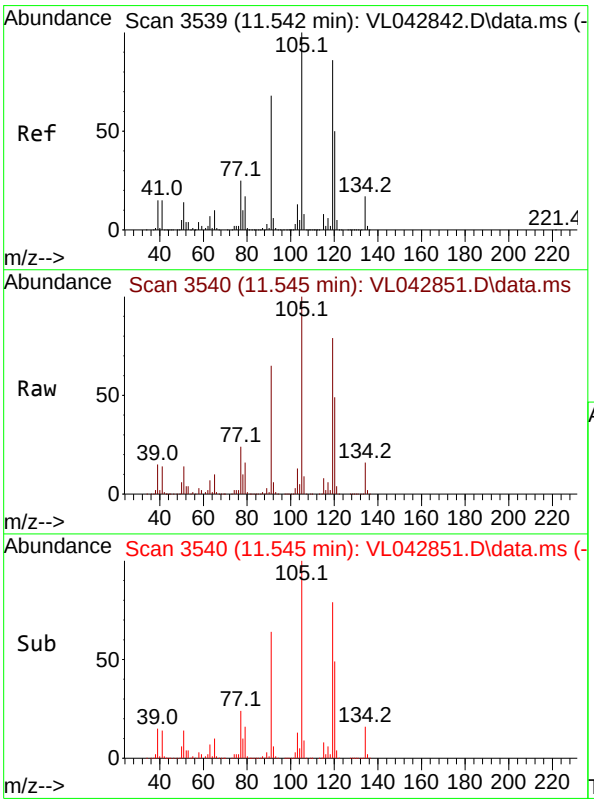
#73
1,3,5-Trimethylbenzene
Concen: 9.210 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:105 Resp: 425759

Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.6	54.8

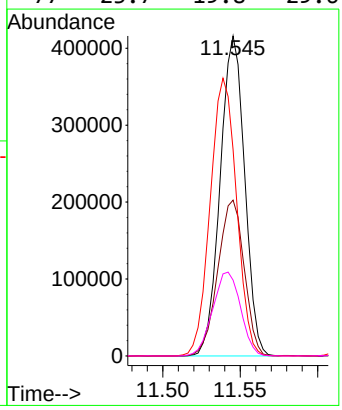


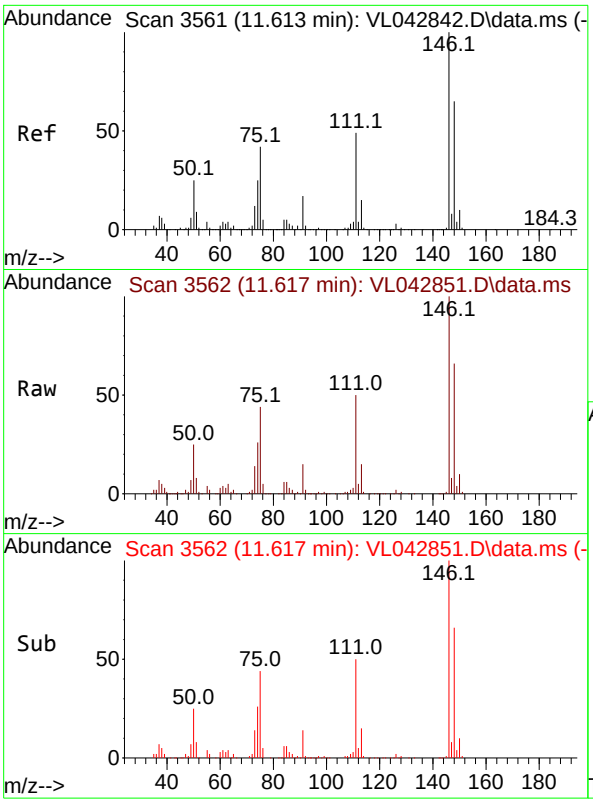


#74
1,2,4-Trimethylbenzene
Concen: 9.005 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:105 Resp: 456933

Ion	Ratio	Lower	Upper
105	100		
120	48.7	39.8	59.6
91	64.5	54.2	81.4
77	23.7	19.8	29.6



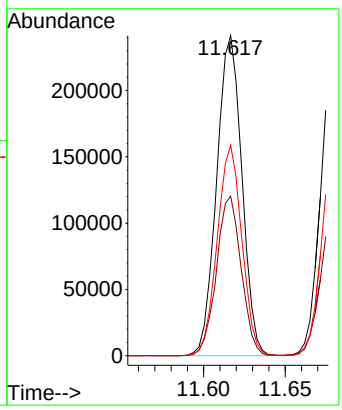


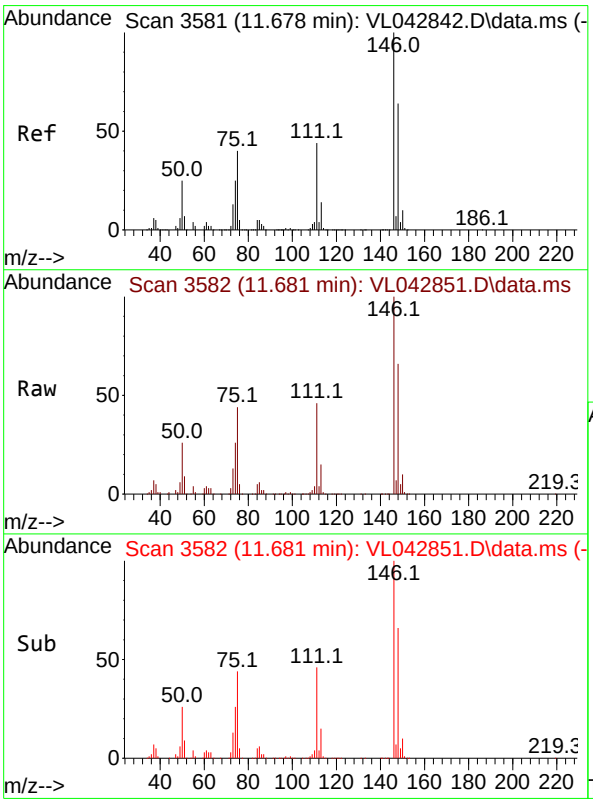
#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.617 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:146 Resp: 259541

Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.9	71.7
148	64.2	31.4	94.0

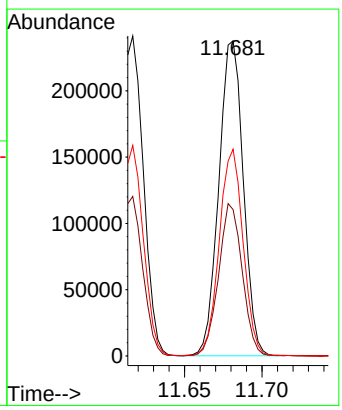


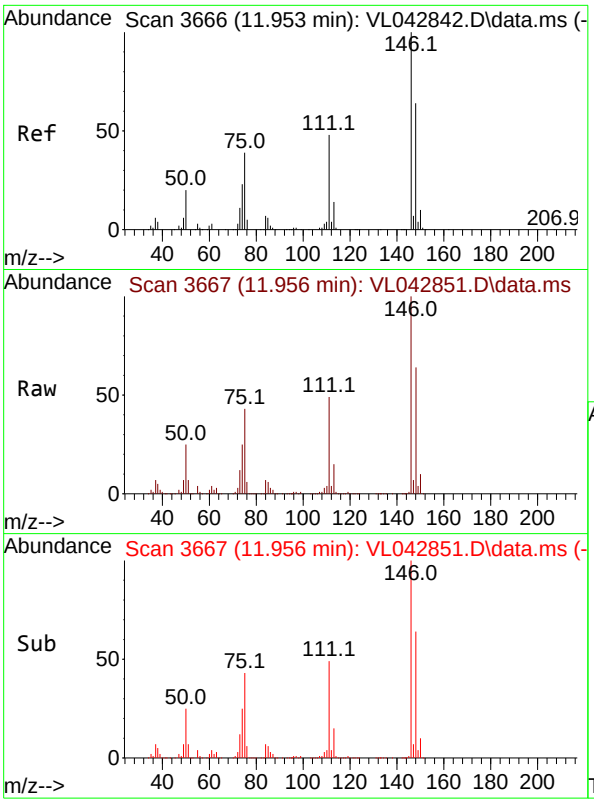


#76
1,4-Dichlorobenzene
Concen: 8.957 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:146 Resp: 261302

Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.7	68.1
148	64.1	31.8	95.3



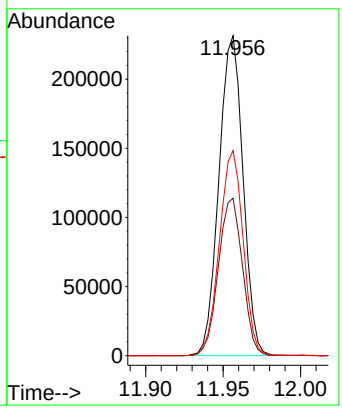


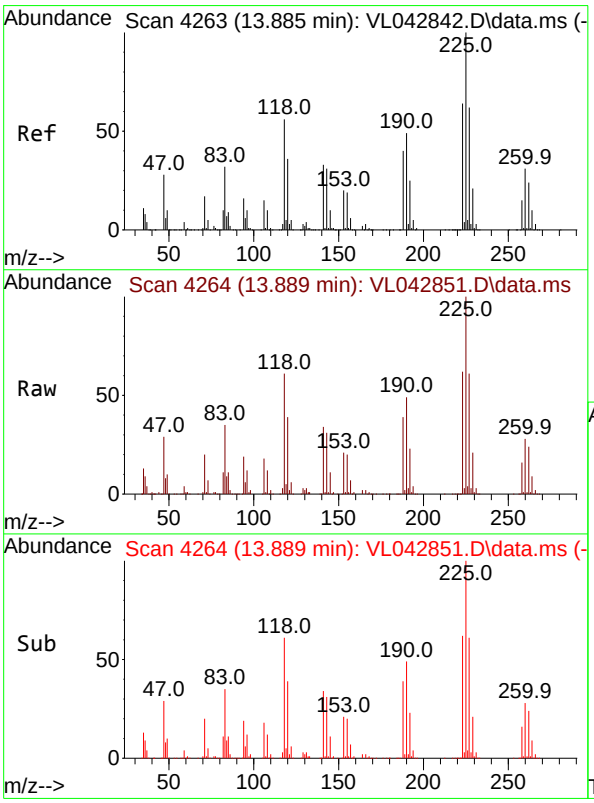
#77
1,2-Dichlorobenzene
Concen: 8.866 ppbv
RT: 11.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:146 Resp: 250432

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	74.0
148	63.1	32.0	96.0

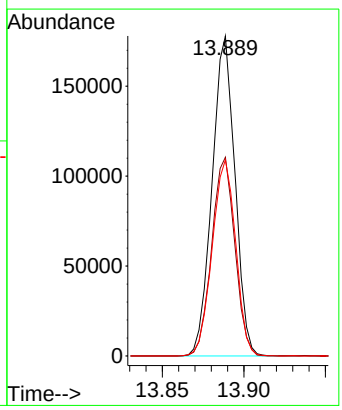


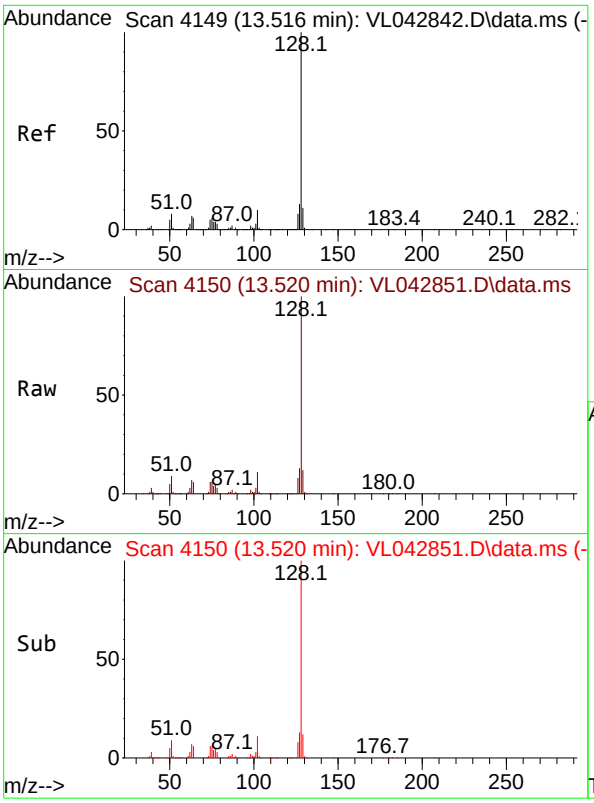


#78
Hexachloro-1,3-Butadiene
Concen: 7.488 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:225 Resp: 173363

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	63.0	51.9	77.9



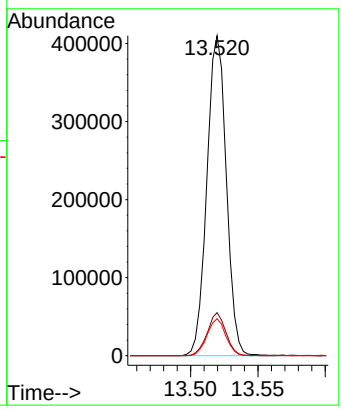


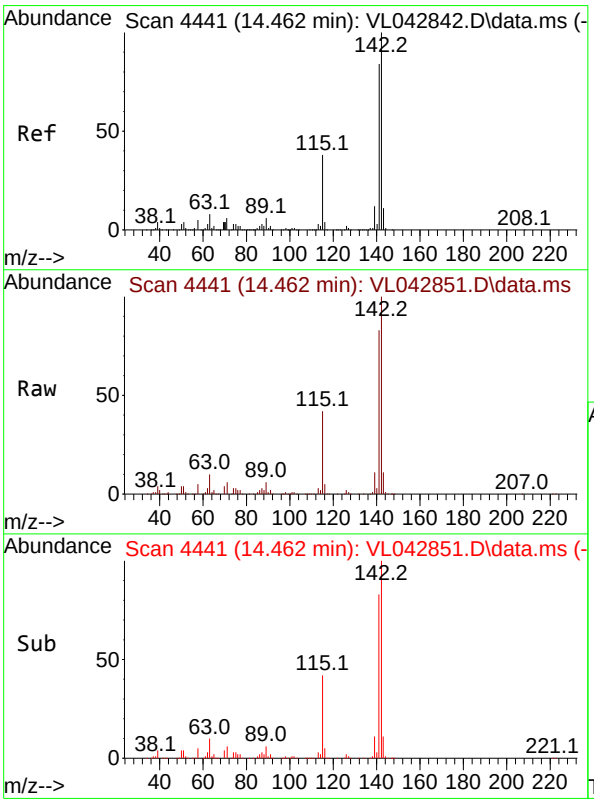
#79
Naphthalene
Concen: 8.930 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:128 Resp: 410796

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.5	8.9	13.3

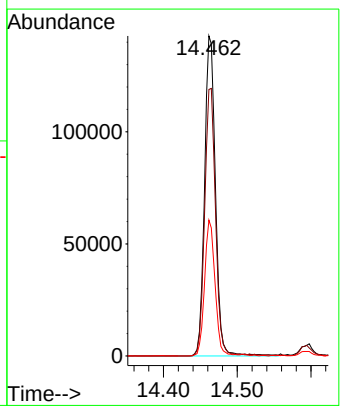


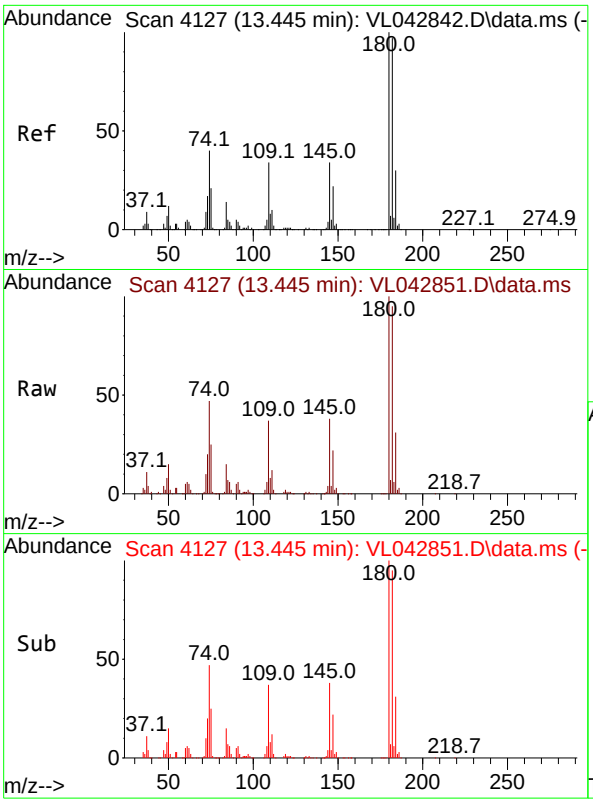


#80
Naphthalene,2-methyl-
Concen: 8.473 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Tgt Ion:142 Resp: 145644

Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.0	100.6
115	41.7	30.9	46.3





#81
1,2,4-Trichlorobenzene
Concen: 8.824 ppbv
RT: 13.445 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042851.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Tgt Ion:180 Resp: 204023

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.9	115.3
184	30.0	24.5	36.7