



SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B2509079				Courier : FGALDUN				1 of 13 COCs							
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix							
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified											
				Phone Number : 646-542-3465															
				Fax Number : 973-334-1692															
				Site Details ZOO RESERVOIR ST TRENTON NJ															
Analysis Turnaround Time 7 DAYS				Standard : 10 business days OR				Data Package Type : RESULTS ONLY											
Rush (Specify): 7 Days				EDD Type : PDF															
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas		
IAI	10/8/25	8:36	10:36	OVER 30	7	70	70	-30	-4.3	10616	10053	6 L	50	VL042942.D	1	1			
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium Low PID Readings: 0.0																			
Sampling site (State):																			
Quick Connector required : NO																			
Canisters Shipped by: [Signature]				Date/Time: 10/07/25				Canisters Received by: [Signature]				Date/Time: 10/8/25 1340				B2509079 - 1			
Samples Relinquished by: [Signature]				Date/Time: 10/8/25				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							

Client Contact Information				Bottle Order ID : B2509079				Courier : FGALDUN				2 of 13 COCs							
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix							
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified											
				Phone Number : 646-542-3465															
				Fax Number : 973-334-1692															
City : Lake Hiawatha				Site Details ZOO RESERVOIR ST IRENTON NJ												Indoor/Ambinet Air Soil Gas			
State : NJ				Analysis Turnaround Time 7 DAYS															
Zip Code : 07034				Standard : 10 business days OR															
Country :				Rush (Specify): 7 Days				Data Package Type :				EDD Type :							
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15					
SV1	10/8/25	8:59	10:39	30	2	70	70	-30	-5.9	10767	10332	6 L	50	VL042828.D	1				1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium Low PID Readings: 2.0																			
Sampling site (State):																			
Quick Connector required : No																			
Canisters Shipped by: FRANK				Date/Time: 10/8/25				Canisters Received by: QR				Date/Time: 10/8/25 1340				B2509079 - 4			
Samples Relinquished by:				Date/Time: 10/8/25				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							

Client Contact Information				Bottle Order ID : B2509079				Courier : F GALDUN				3 of 13 COCs							
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) FRANK GALDUN				Analysis				Matrix							
Customer GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified											
				Phone Number : 646-542-3465															
				Fax Number : 973-334-1692															
				Site Details: 200 RESERVOIR ST TRENTON, NJ															
Analysis Turnaround Time 1 DAY				Standard : 10 Business days OR				Data Package Type : RESULTS ONLY											
Rush (Specify): 7 Days				EDD Type : PDE															
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas		
IAZ	10/8/25	8:49	10:49	OVER 30	S	70	70	-30	-5.1	10109	10602	6 L	50	VL042942.D	1	1			
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.									
		Ambient	Maximum	Minimum															
Start																			
Stop																			
Special Instructions/QC Requirements & Comments :																			
Suspected Contamination: High Medium Low PID Readings: 0.0																			
Sampling site (State):																			
Quick Connector required : No																			
Canisters Shipped by: Sam				Date/Time: 10/6/25				Canisters Received by: CL				Date/Time: 10/8/25 1340				B2509079 - 10			
Samples Relinquished by: FRANK				Date/Time: 10/8/25				Received by:				Date/Time:							
Relinquished by:				Date/Time:				Received by:				Date/Time:							

Client Contact Information				Bottle Order ID : B2509079				Courier : F GALDUN				4 of 13 COCs			
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) FRANK GALDUN				Analysis				Matrix			
Customer GFE LLC Name : Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 200 RESERVOIR ST TRENTON, NJ											
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY EDD Type : PDF							
State : NJ				Standard : 10 business days OR											
Zip Code : 07034				Rush (Specify): 7 Days											
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SV2	10/8/25	8:54	10:54	30	30	70	70	-30	-5.1	10185	10445	6 L	50	VL042828.D	1		

Temperature (Fahrenheit)					GC/MS Analyst Signature (TO-15) [Signature]
	Ambient	Maximum	Minimum		
Start					
Stop					

Pressure (Inches of Hg)					** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.
	Ambient	Maximum	Minimum		
Start					
Stop					

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: **0.0**

Sampling site (State):

Quick Connector required : No			
Canisters Shipped by: [Signature]	Date/Time: 10/8/25	Canisters Received by: CR	Date/Time: 10/8/25 1340
Samples Relinquished by: [Signature]	Date/Time: 10/8/25	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Contact Information				Bottle Order ID : B2509079				Courier : FGALDUN				<u>5</u> of <u>13</u> COCs			
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 200 RESERVOIR ST TRENTON NJ											
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY EDD Type : PDF							
State : NJ				Standard : 10 business days OR											
Zip Code : 07034				Rush (Specify): 7 Days											
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/ Ambient Air	Soil Gas
IA3	10/25/12	11:12	1:12	30	5	70	70	-30	-5.1	10579	10285	6 L	50	VL042907.D	1		

Temperature (Fahrenheit)				
	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)				
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [Signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium LOW PID Readings: **0.0**

Sampling site (State):

Quick Connector required : No			
Canisters Shipped by: [Signature]	Date/Time: 10/07/12	Canisters Received by: [Signature]	Date/Time: 10/8/12 1340
Samples Relinquished by: [Signature]	Date/Time: 10/8/12	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Contact Information				Bottle Order ID : B2509079				Courier : F. Galdun				6 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix					
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 200 RESERVOIR ST TRENTON, NJ													
Analysis Turnaround Time : 7 DAY				Standard : 20 Business days OR				Data Package Type :									
Rush (Specify): 7 Days				EDD Type :													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SV3	10/8/25	9:16	11:16	20	2	70	70	-30	-3.9	10613	10443	6 L	50	VL042942.D			1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings: 0.0																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by:				Date/Time: 10/8/25				Canisters Received by:				Date/Time: 10/8/25 1340					
Samples Relinquished by:				Date/Time: 10/8/25				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					
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Client Contact Information				Bottle Order ID : B2509079				Courier : FGALDUN				7 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Project Manager : Frank galdun				Sampler Name(s) FRANK GALDUN				Analysis		Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Phone Number : 646-542-3465				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified									
				Fax Number : 973-334-1692													
				Site Details: 200 RESERVOIR ST. TRENTON, NJ													
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY									
State : NJ				Standard : 10 business days OR													
Zip Code : 07034				Rush (Specify): 7 Days				EDD Type : PDI									
Sample Identification		Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/ Ambient Air	Soil Gas
IA4		10/8/25	11:20	11:30	4	70	70	-30	-43	10226	10311	6 L	50	VL042703.D	1	1	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
		Ambient		Maximum		Minimum											
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient		Maximum		Minimum											
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 0.0																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: Sam				Date/Time: 10/8/25				Canisters Received by: CL				Date/Time: 10/8/25 1340				B2509079 - 3	
Samples Relinquished by: FRANK				Date/Time: 10/8/25				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier : F GALDUN				8 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix					
Customer GFE LLC Name : Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 200 RESERVOIR ST IRENTON, NJ													
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type RESULTS ONLY									
State : NJ				Standard : 10 business days OR													
Zip Code : 07034				Rush (Specify): 7 Days				EDD Type : PDF									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SVH	10/18/25	9:26	11:26	OVER 30	5	70	70	-30	-5.5	10525	10588	6 L	50	VL042702.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 20																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: Sam				Date/Time: 10/17/25				Canisters Received by: al				Date/Time: 10/18/25 1340				B2509079 - 8	
Samples Relinquished by: [Signature]				Date/Time:				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier : F Galdun				9 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) FRANK GALDUN				Analysis				Matrix					
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 200 RESERVOIR ST TRENTON, NJ													
Analysis Turnaround Time 7 DAY				Standard : 10 business days OR				Data Package Type RESULTS ONLY									
Rush (Specify): 7 Days				EDD Type : PDF													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas
IAS	10/6/25 9:30	11:30	12:30	5.5	7.0	70	70	-30	-5.1	10550	10601	6 L	50	VL042907.D	1	1	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 0.0																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: SEM				Date/Time: 10/6/25				Canisters Received by: CR				Date/Time: 10/6/25 1340					
Samples Relinquished by: SEM				Date/Time: 10/8/25				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier : F. GALDUN				ID of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix					
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 200 RESERVOIR ST. TRENTON, NJ													
Analysis Turnaround Time 7 DAY				Standard : 10 business days OR				Data Package Type : RESULTS ONLY									
Rush (Specify): 7 Days				EDD Type : PDF													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SUS	10/8/25	9:44	11:34	OVER 30	5	70	70	-30	-5.1	10648	10604	6 L	50	VL042907.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>0.0</u>																	
Sampling site (State):																	
Quick Connector required : <u>No</u>																	
Canisters Shipped by: <u>Sam</u>				Date/Time: <u>10/8/25</u>				Canisters Received by: <u>Chen</u>				Date/Time: <u>10/8/25 1340</u>				B2509079 - 11	
Samples Relinquished by: <u>FRANK</u>				Date/Time: <u>10/8/25</u>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier: FGaldun				11 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s): Frank Galdun				Analysis				Matrix					
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 200 Reservoir St TRENTON NJ													
Analysis Turnaround Time 7 DAY				Standard : 10 Business Days OR				Data Package Type: Results Only									
Rush (Specify): 7 Days				EDD Type : PDF													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas
IA6	10/8/25	7:48	11:48	30	29	70	70	-30	-5.1	10617	10607	6 L	50	VL042907.D	1	1	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
	Ambient	Maximum	Minimum														
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
	Ambient	Maximum	Minimum														
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 0.0																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: Sam				Date/Time: 10/8/25				Canisters Received by: CR				Date/Time: 10/8/25 1340				B2509079 - 12	
Samples Relinquished by: Frank				Date/Time: 10/8/25				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier : F. Galdun				12 of 13 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : Frank Galdun				Analysis				Matrix					
Customer : GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 300 Reservoir St TRENTON NJ													
Analysis Turnaround Time 7 DAY				Standard : 10 business days OR				Data Package Type : Results only									
Rush (Specify): 7 Days				EDD Type : RDE													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SV6	10/18/15	9:58	11:58	over 30	6.5	70	70	-30	-5.1	10528	10333	6 L	50	VL042907.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) Sust							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 0.7																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: Sam				Date/Time: 10/18/15				Canisters Received by: AR				Date/Time: 10/18/15 1340				B2509079 - 5	
Samples Relinquished by: FDN				Date/Time: 10/18/15				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2509079				Courier : FGALDUN				13 of 13 COCs																	
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix																	
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																					
				Phone Number : 646-542-3465																									
				Fax Number : 973-334-1692																									
				Site Details: ZOO RESERVOIR ST TRENTON, NJ																									
Analysis Turnaround Time 7 DAY				Standard : 10 business days OR				Data Package Type : RESULTS ONLY																					
Rush (Specify): 7 Days				EDD Type : PDF																									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas													
OA1	10/8/25	10:05	12:05	over 30	9.9			-30	-4.3	10707	10609	6 L	50	VL042907.D	1	1													
Temperature (Fahrenheit) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>70</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>67</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	70			Stop	67			GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start	70																												
Stop	67																												
Pressure (Inches of Hg) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings: 0.0																													
Sampling site (State):																													
Quick Connector required : NO																													
Canisters Shipped by: FGALDUN				Date/Time: 10/8/25				Canisters Received by: CR				Date/Time: 10/8/25 1340																	
Samples Relinquished by: FGALDUN				Date/Time: 10/8/25				Received by:				Date/Time:																	
Relinquished by:				Date/Time:				Received by:				Date/Time:																	

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

New Jersey Department of Environmental Protection
Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory: Chemtech		Location: 284 Sheffield Street, Mountainside, NJ 7092	
00066		Title: Sample Custodian	
Field Sample Seal No. Q3320		Date Broken: 10/8/2025	
Case No.: 200 Reservoir St, Trenton, NJ		Military Time Seal Broken: 13:40:00	
		Analytical Parameter/Fraction: MOCMS Group 2	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3320-01	IA1	Q3320-11	IA6
Q3320-02	SV1	Q3320-12	SV6
Q3320-03	IA2	Q3320-13	OA1
Q3320-04	SV2		
Q3320-05	IA3		
Q3320-06	SV3		
Q3320-07	IA4		
Q3320-08	SV4		
Q3320-09	IA5		
Q3320-10	SV5		

Date	Time	Relinquished By		Received By		Purpose of Change of Custody
		Signature	Printed Name	Signature	Printed Name	
10/9	0850		George N.		Sam Sathy	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	
		Signature	Printed Name	Signature	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

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 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

LAB CHRONICLE

OrderID:	Q3320	OrderDate:	10/8/2025 3:14:00 PM
Client:	GFE LLC	Project:	200 Reservoir St, Trenton NJ
Contact:	Frank Galdun	Location:	D31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3320-01	IA1	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-02	SV1	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-02DL	SV1DL	Air	TO-15	TO-15	10/08/25		10/10/25	10/08/25
Q3320-03	IA2	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-04	SV2	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-04DL	SV2DL	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-05	IA3	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-06	SV3	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-07	IA4	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-08	SV4	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-08DL	SV4DL	Air	TO-15	TO-15	10/08/25		10/09/25	10/08/25
Q3320-09	IA5	Air			10/08/25			10/08/25

LAB CHRONICLE

			TO-15	TO-15	10/08/25	
Q3320-10	SV5	Air			10/08/25	10/08/25
			TO-15	TO-15	10/09/25	
Q3320-11	IA6	Air			10/08/25	10/08/25
			TO-15	TO-15	10/09/25	
Q3320-12	SV6	Air			10/08/25	10/08/25
			TO-15	TO-15	10/09/25	
Q3320-12DL	SV6DL	Air			10/08/25	10/08/25
			TO-15	TO-15	10/09/25	
Q3320-13	OA1	Air			10/08/25	10/08/25
			TO-15	TO-15	10/08/25	

Hit Summary Sheet
SW-846

SDG No.: Q3320
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	IA1							
Q3320-01	IA1	Air	Dichlorodifluoromethane	2.23	J	0.54	2.47	ug/m3
Q3320-01	IA1	Air	Chloromethane	1.36		0.21	1.03	ug/m3
Q3320-01	IA1	Air	Trichlorofluoromethane	1.29	J	0.96	2.81	ug/m3
Q3320-01	IA1	Air	tert-Butyl alcohol	0.55	J	0.49	1.52	ug/m3
Q3320-01	IA1	Air	Acetone	16.6		0.43	1.19	ug/m3
Q3320-01	IA1	Air	Methylene Chloride	3.02		0.80	1.74	ug/m3
Q3320-01	IA1	Air	2-Butanone	1.92		0.18	1.47	ug/m3
Q3320-01	IA1	Air	Carbon Tetrachloride	0.57		0.19	0.19	ug/m3
Q3320-01	IA1	Air	Chloroform	0.98	J	0.49	2.44	ug/m3
Q3320-01	IA1	Air	Benzene	0.35	J	0.26	1.60	ug/m3
Q3320-01	IA1	Air	Trichloroethene	0.38		0.11	0.16	ug/m3
Q3320-01	IA1	Air	4-Methyl-2-Pentanone	0.90	J	0.41	2.05	ug/m3
Q3320-01	IA1	Air	Toluene	0.60	J	0.60	1.88	ug/m3
Q3320-01	IA1	Air	Tetrachloroethene	0.41		0.14	0.20	ug/m3
Q3320-01	IA1	Air	1,1,2,2-Tetrachloroethane	0.34		0.14	0.21	ug/m3
Q3320-01	IA1	Air	Hexane	1.80		0.56	1.76	ug/m3
			Total Voc :		33.3			
			Total Concentration:		33.3			
Client ID:	SV1							
Q3320-02	SV1	Air	Tetrahydrofuran	6.49	J	2.36	14.8	ug/m3
Q3320-02	SV1	Air	Trichlorofluoromethane	364		9.55	28.1	ug/m3
Q3320-02	SV1	Air	Heptane	16.8	J	6.97	20.5	ug/m3
Q3320-02	SV1	Air	Acetone	144		4.28	11.9	ug/m3
Q3320-02	SV1	Air	Carbon Disulfide	23.0		2.49	15.6	ug/m3
Q3320-02	SV1	Air	Methylene Chloride	12.5	J	7.99	17.4	ug/m3
Q3320-02	SV1	Air	2-Butanone	14.8		1.65	14.8	ug/m3
Q3320-02	SV1	Air	Chloroform	26.9		4.69	24.4	ug/m3
Q3320-02	SV1	Air	1,1,1-Trichloroethane	25.6		0.87	1.64	ug/m3
Q3320-02	SV1	Air	Benzene	4.15	J	2.52	16.0	ug/m3
Q3320-02	SV1	Air	Trichloroethene	7520	E	1.29	1.61	ug/m3
Q3320-02	SV1	Air	Toluene	27.1		6.03	18.8	ug/m3
Q3320-02	SV1	Air	Tetrachloroethene	5700	E	1.02	2.03	ug/m3
Q3320-02	SV1	Air	o-Xylene	10.9	J	9.12	21.7	ug/m3
Q3320-02	SV1	Air	Hexane	99.4		5.64	17.6	ug/m3
			Total Voc :		14000			
			Total Concentration:		14000			

Hit Summary Sheet SW-846

SDG No.: Q3320

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SV1DL							
Q3320-02DL	SV1DL	Air	Trichlorofluoromethane	427	JD	191	562	ug/m3
Q3320-02DL	SV1DL	Air	Trichloroethene	8600	D	25.8	32.3	ug/m3
Q3320-02DL	SV1DL	Air	Tetrachloroethene	5220	D	20.3	40.7	ug/m3
Total Voc :				14200				
Total Concentration:				14200				
Client ID:	IA2							
Q3320-03	IA2	Air	Dichlorodifluoromethane	2.08	J	0.54	2.47	ug/m3
Q3320-03	IA2	Air	Chloromethane	0.89	J	0.21	1.03	ug/m3
Q3320-03	IA2	Air	Trichlorofluoromethane	1.18	J	0.96	2.81	ug/m3
Q3320-03	IA2	Air	Acetone	7.36		0.43	1.19	ug/m3
Q3320-03	IA2	Air	Methylene Chloride	2.54		0.80	1.74	ug/m3
Q3320-03	IA2	Air	2-Butanone	0.65	J	0.18	1.47	ug/m3
Q3320-03	IA2	Air	Carbon Tetrachloride	0.44		0.19	0.19	ug/m3
Q3320-03	IA2	Air	Chloroform	0.68	J	0.49	2.44	ug/m3
Q3320-03	IA2	Air	Trichloroethene	0.27		0.11	0.16	ug/m3
Q3320-03	IA2	Air	Naphthalene	1.31		0.050	0.52	ug/m3
Q3320-03	IA2	Air	Hexane	1.16	J	0.56	1.76	ug/m3
Total Voc :				18.6				
Total Concentration:				18.6				
Client ID:	SV2							
Q3320-04	SV2	Air	Trichlorofluoromethane	66.3		9.55	28.1	ug/m3
Q3320-04	SV2	Air	Acetone	168		4.28	11.9	ug/m3
Q3320-04	SV2	Air	Carbon Disulfide	4.98	J	2.49	15.6	ug/m3
Q3320-04	SV2	Air	Methylene Chloride	10.8	J	7.99	17.4	ug/m3
Q3320-04	SV2	Air	2-Butanone	7.96	J	1.65	14.8	ug/m3
Q3320-04	SV2	Air	1,1,1-Trichloroethane	8.18		0.87	1.64	ug/m3
Q3320-04	SV2	Air	Trichloroethene	155		1.29	1.61	ug/m3
Q3320-04	SV2	Air	Toluene	12.8	J	6.03	18.8	ug/m3
Q3320-04	SV2	Air	Tetrachloroethene	2170	E	1.02	2.03	ug/m3
Q3320-04	SV2	Air	Hexane	33.5		5.64	17.6	ug/m3
Total Voc :				2640				
Total Concentration:				2640				
Client ID:	SV2DL							
Q3320-04DL	SV2DL	Air	Trichlorofluoromethane	66.3	JD	38.2	112	ug/m3
Q3320-04DL	SV2DL	Air	Acetone	167	D	17.1	47.5	ug/m3
Q3320-04DL	SV2DL	Air	Methylene Chloride	33.7	JD	32.0	69.5	ug/m3
Q3320-04DL	SV2DL	Air	1,1,1-Trichloroethane	9.28	D	3.49	6.55	ug/m3

Hit Summary Sheet
SW-846

SDG No.: Q3320

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3320-04DL	SV2DL	Air	Trichloroethene	153	D	5.16	6.45	ug/m3
Q3320-04DL	SV2DL	Air	Tetrachloroethene	2030	D	4.07	8.14	ug/m3
Q3320-04DL	SV2DL	Air	Hexane	31.4	JD	22.6	70.5	ug/m3
Total Voc :				2490				
Total Concentration:				2490				
Client ID:	IA3							
Q3320-05	IA3	Air	Dichlorodifluoromethane	2.62		0.54	2.47	ug/m3
Q3320-05	IA3	Air	Chloromethane	1.07		0.21	1.03	ug/m3
Q3320-05	IA3	Air	Trichlorofluoromethane	1.46	J	0.96	2.81	ug/m3
Q3320-05	IA3	Air	Acetone	9.50		0.43	1.19	ug/m3
Q3320-05	IA3	Air	Methylene Chloride	6.60		0.80	1.74	ug/m3
Q3320-05	IA3	Air	2-Butanone	0.59	J	0.18	1.47	ug/m3
Q3320-05	IA3	Air	Carbon Tetrachloride	0.57		0.19	0.19	ug/m3
Q3320-05	IA3	Air	Chloroform	0.49	J	0.49	2.44	ug/m3
Q3320-05	IA3	Air	Trichloroethene	0.21		0.11	0.16	ug/m3
Q3320-05	IA3	Air	Toluene	0.68	J	0.60	1.88	ug/m3
Q3320-05	IA3	Air	Tetrachloroethene	0.27		0.14	0.20	ug/m3
Q3320-05	IA3	Air	Hexane	4.23		0.56	1.76	ug/m3
Total Voc :				28.3				
Total Concentration:				28.3				
Client ID:	SV3							
Q3320-06	SV3	Air	Tetrahydrofuran	2.45	J	1.18	7.37	ug/m3
Q3320-06	SV3	Air	Trichlorofluoromethane	5.34	J	4.78	14.1	ug/m3
Q3320-06	SV3	Air	Heptane	9.02	J	3.48	10.3	ug/m3
Q3320-06	SV3	Air	Acetone	138		2.14	5.94	ug/m3
Q3320-06	SV3	Air	Methylene Chloride	4.52	J	4.17	8.69	ug/m3
Q3320-06	SV3	Air	2-Butanone	3.24	J	0.83	7.37	ug/m3
Q3320-06	SV3	Air	Trichloroethene	2.53		0.64	0.81	ug/m3
Q3320-06	SV3	Air	Toluene	11.3		3.01	9.42	ug/m3
Q3320-06	SV3	Air	Tetrachloroethene	3.05		0.54	1.02	ug/m3
Q3320-06	SV3	Air	o-Xylene	4.78	J	4.78	10.9	ug/m3
Q3320-06	SV3	Air	Hexane	60.6		2.82	8.81	ug/m3
Total Voc :				245				
Total Concentration:				245				
Client ID:	IA4							
Q3320-07	IA4	Air	Dichlorodifluoromethane	2.52		0.54	2.47	ug/m3
Q3320-07	IA4	Air	Chloromethane	1.03		0.21	1.03	ug/m3
Q3320-07	IA4	Air	Trichlorofluoromethane	1.46	J	0.96	2.81	ug/m3

Hit Summary Sheet
SW-846

SDG No.: Q3320

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3320-07	IA4	Air	Acetone	9.74		0.43	1.19	ug/m3
Q3320-07	IA4	Air	Methylene Chloride	2.15		0.80	1.74	ug/m3
Q3320-07	IA4	Air	2-Butanone	0.65	J	0.18	1.47	ug/m3
Q3320-07	IA4	Air	Carbon Tetrachloride	0.57		0.19	0.19	ug/m3
Q3320-07	IA4	Air	Chloroform	0.54	J	0.49	2.44	ug/m3
Q3320-07	IA4	Air	Trichloroethene	0.27		0.11	0.16	ug/m3
Q3320-07	IA4	Air	Hexane	1.30	J	0.56	1.76	ug/m3
Total Voc :				20.2				
Total Concentration:				20.2				
Client ID:	SV4							
Q3320-08	SV4	Air	Tetrahydrofuran	3.83	J	1.89	11.8	ug/m3
Q3320-08	SV4	Air	Heptane	11.9	J	5.74	16.4	ug/m3
Q3320-08	SV4	Air	Acetone	499	E	3.33	9.50	ug/m3
Q3320-08	SV4	Air	Carbon Disulfide	3.43	J	1.99	12.5	ug/m3
Q3320-08	SV4	Air	Methylene Chloride	11.1	J	6.25	13.9	ug/m3
Q3320-08	SV4	Air	2-Butanone	12.1		1.33	11.8	ug/m3
Q3320-08	SV4	Air	Trichloroethene	4.94		1.02	1.29	ug/m3
Q3320-08	SV4	Air	Toluene	17.0		4.90	15.1	ug/m3
Q3320-08	SV4	Air	Tetrachloroethene	10.8		0.81	1.63	ug/m3
Q3320-08	SV4	Air	o-Xylene	9.56	J	7.38	17.4	ug/m3
Q3320-08	SV4	Air	Hexane	90.6		4.58	14.1	ug/m3
Total Voc :				674				
Total Concentration:				674				
Client ID:	SV4DL							
Q3320-08DL	SV4DL	Air	Acetone	546	D	17.1	47.5	ug/m3
Q3320-08DL	SV4DL	Air	Methylene Chloride	33.7	JD	32.0	69.5	ug/m3
Q3320-08DL	SV4DL	Air	2-Butanone	13.9	JD	6.49	59.0	ug/m3
Q3320-08DL	SV4DL	Air	Tetrachloroethene	12.2	D	4.07	8.14	ug/m3
Q3320-08DL	SV4DL	Air	Hexane	59.6	JD	22.6	70.5	ug/m3
Total Voc :				666				
Total Concentration:				666				
Client ID:	IA5							
Q3320-09	IA5	Air	Dichlorodifluoromethane	2.47		0.54	2.47	ug/m3
Q3320-09	IA5	Air	Chloromethane	1.01	J	0.21	1.03	ug/m3
Q3320-09	IA5	Air	Trichlorofluoromethane	1.35	J	0.96	2.81	ug/m3
Q3320-09	IA5	Air	Acetone	24.0		0.43	1.19	ug/m3
Q3320-09	IA5	Air	Methylene Chloride	2.33		0.80	1.74	ug/m3
Q3320-09	IA5	Air	2-Butanone	1.06	J	0.18	1.47	ug/m3

Hit Summary Sheet
SW-846

SDG No.: Q3320

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3320-09	IA5	Air	Carbon Tetrachloride	0.50		0.19	0.19	ug/m3
Q3320-09	IA5	Air	Chloroform	1.56	J	0.49	2.44	ug/m3
Q3320-09	IA5	Air	Toluene	1.13	J	0.60	1.88	ug/m3
Q3320-09	IA5	Air	Tetrachloroethene	0.34		0.14	0.20	ug/m3
Q3320-09	IA5	Air	Hexane	1.52	J	0.56	1.76	ug/m3
Total Voc :				37.3				
Total Concentration:				37.3				
Client ID:	SV5							
Q3320-10	SV5	Air	tert-Butyl alcohol	5.15	J	3.94	12.1	ug/m3
Q3320-10	SV5	Air	Acetone	174		3.33	9.50	ug/m3
Q3320-10	SV5	Air	Methylene Chloride	7.30	J	6.25	13.9	ug/m3
Q3320-10	SV5	Air	2-Butanone	2.51	J	1.33	11.8	ug/m3
Q3320-10	SV5	Air	Trichloroethene	5.37		1.02	1.29	ug/m3
Q3320-10	SV5	Air	Toluene	8.67	J	4.90	15.1	ug/m3
Q3320-10	SV5	Air	Tetrachloroethene	42.0		0.81	1.63	ug/m3
Q3320-10	SV5	Air	Hexane	28.2		4.58	14.1	ug/m3
Total Voc :				273				
Total Concentration:				273				
Client ID:	IA6							
Q3320-11	IA6	Air	Dichlorodifluoromethane	2.08	J	0.54	2.47	ug/m3
Q3320-11	IA6	Air	Chloromethane	0.95	J	0.21	1.03	ug/m3
Q3320-11	IA6	Air	Trichlorofluoromethane	1.12	J	0.96	2.81	ug/m3
Q3320-11	IA6	Air	Acetone	20.7		0.43	1.19	ug/m3
Q3320-11	IA6	Air	Methylene Chloride	1.84		0.80	1.74	ug/m3
Q3320-11	IA6	Air	2-Butanone	0.53	J	0.18	1.47	ug/m3
Q3320-11	IA6	Air	Carbon Tetrachloride	0.44		0.19	0.19	ug/m3
Q3320-11	IA6	Air	Chloroform	1.07	J	0.49	2.44	ug/m3
Q3320-11	IA6	Air	Toluene	1.09	J	0.60	1.88	ug/m3
Q3320-11	IA6	Air	Naphthalene	1.31		0.050	0.52	ug/m3
Q3320-11	IA6	Air	Hexane	0.99	J	0.56	1.76	ug/m3
Total Voc :				32.1				
Total Concentration:				32.1				
Client ID:	SV6							
Q3320-12	SV6	Air	tert-Butyl alcohol	9.70		2.43	7.58	ug/m3
Q3320-12	SV6	Air	Acetone	194	E	2.14	5.94	ug/m3
Q3320-12	SV6	Air	Methylene Chloride	4.17	J	4.17	8.69	ug/m3
Q3320-12	SV6	Air	2-Butanone	2.77	J	0.83	7.37	ug/m3
Q3320-12	SV6	Air	Benzene	1.69	J	1.28	7.99	ug/m3

Hit Summary Sheet
SW-846

SDG No.: Q3320

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3320-12	SV6	Air	Trichloroethene	9.14		0.64	0.81	ug/m3
Q3320-12	SV6	Air	Toluene	6.41	J	3.01	9.42	ug/m3
Q3320-12	SV6	Air	Tetrachloroethene	57.0		0.54	1.02	ug/m3
Q3320-12	SV6	Air	Ethyl Benzene	43.9		4.13	10.9	ug/m3
Q3320-12	SV6	Air	m/p-Xylene	87.7		9.12	21.7	ug/m3
Q3320-12	SV6	Air	o-Xylene	16.5		4.78	10.9	ug/m3
Q3320-12	SV6	Air	Hexane	20.1		2.82	8.81	ug/m3
			Total Voc :		453			
			Total Concentration:		453			
Client ID:	SV6DL							
Q3320-12DL	SV6DL	Air	tert-Butyl alcohol	9.70	JD	4.85	15.2	ug/m3
Q3320-12DL	SV6DL	Air	Acetone	187	D	4.28	11.9	ug/m3
Q3320-12DL	SV6DL	Air	Trichloroethene	9.67	D	1.29	1.61	ug/m3
Q3320-12DL	SV6DL	Air	Toluene	6.03	JD	6.03	18.8	ug/m3
Q3320-12DL	SV6DL	Air	Tetrachloroethene	52.9	D	1.02	2.03	ug/m3
Q3320-12DL	SV6DL	Air	Ethyl Benzene	33.9	D	8.25	21.7	ug/m3
Q3320-12DL	SV6DL	Air	m/p-Xylene	67.8	D	17.8	43.4	ug/m3
Q3320-12DL	SV6DL	Air	o-Xylene	13.9	JD	9.12	21.7	ug/m3
Q3320-12DL	SV6DL	Air	Hexane	17.6	D	5.64	17.6	ug/m3
			Total Voc :		399			
			Total Concentration:		399			
Client ID:	OA1							
Q3320-13	OA1	Air	Dichlorodifluoromethane	2.32	J	0.54	2.47	ug/m3
Q3320-13	OA1	Air	Chloromethane	0.91	J	0.21	1.03	ug/m3
Q3320-13	OA1	Air	Trichlorofluoromethane	1.29	J	0.96	2.81	ug/m3
Q3320-13	OA1	Air	Acetone	8.08		0.43	1.19	ug/m3
Q3320-13	OA1	Air	Methylene Chloride	2.43		0.80	1.74	ug/m3
Q3320-13	OA1	Air	2-Butanone	0.41	J	0.18	1.47	ug/m3
Q3320-13	OA1	Air	Carbon Tetrachloride	0.50		0.19	0.19	ug/m3
Q3320-13	OA1	Air	Hexane	1.20	J	0.56	1.76	ug/m3
			Total Voc :		17.1			
			Total Concentration:		17.1			



QC SUMMARY

Surrogate Summary

SDG No.: Q3320

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3320-01	IA1	1-Bromo-4-Fluorobenzene	10	10.7	107		65	135
Q3320-01DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	10.7	107		65	135
Q3320-02	SV1	1-Bromo-4-Fluorobenzene	10	11.1	111		65	135
Q3320-02DL	SV1DL	1-Bromo-4-Fluorobenzene	10	11.8	118		65	135
Q3320-03	IA2	1-Bromo-4-Fluorobenzene	10	10.6	106		65	135
Q3320-04	SV2	1-Bromo-4-Fluorobenzene	10	11.8	118		65	135
Q3320-04DL	SV2DL	1-Bromo-4-Fluorobenzene	10	11.8	118		65	135
Q3320-05	IA3	1-Bromo-4-Fluorobenzene	10	9.74	97		65	135
Q3320-06	SV3	1-Bromo-4-Fluorobenzene	10	11.2	112		65	135
Q3320-07	IA4	1-Bromo-4-Fluorobenzene	10	9.88	99		65	135
Q3320-08	SV4	1-Bromo-4-Fluorobenzene	10	11.4	114		65	135
Q3320-08DL	SV4DL	1-Bromo-4-Fluorobenzene	10	12.4	124		65	135
Q3320-09	IA5	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
Q3320-10	SV5	1-Bromo-4-Fluorobenzene	10	11.6	116		65	135
Q3320-11	IA6	1-Bromo-4-Fluorobenzene	10	10.8	108		65	135
Q3320-12	SV6	1-Bromo-4-Fluorobenzene	10	11.8	118		65	135
Q3320-12DL	SV6DL	1-Bromo-4-Fluorobenzene	10	11.6	116		65	135
Q3320-13	OA1	1-Bromo-4-Fluorobenzene	10	9.80	98		65	135
VL1008ABL01	VL1008ABL01	1-Bromo-4-Fluorobenzene	10	9.46	95		65	135
VL1008ABS01	VL1008ABS01	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
VL1009ABL01	VL1009ABL01	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
VL1009ABS01	VL1009ABS01	1-Bromo-4-Fluorobenzene	10	11.4	114		65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3320</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043056.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1008ABS01	Dichlorodifluoromethane	10	9.80	ppbv	98			70	130	
	Chloromethane	10	9.80	ppbv	98			70	130	
	Vinyl Chloride	10	9.50	ppbv	95			70	130	
	Bromomethane	10	10.1	ppbv	101			70	130	
	Chloroethane	10	9.50	ppbv	95			70	130	
	Tetrahydrofuran	10	11.0	ppbv	110			70	130	
	Trichlorofluoromethane	10	9.70	ppbv	97			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.60	ppbv	96			70	130	
	Dichlorotetrafluoroethane	10	9.70	ppbv	97			70	130	
	tert-Butyl Alcohol	10	9.60	ppbv	96			70	130	
	Heptane	10	11.0	ppbv	110			70	130	
	1,1-Dichloroethene	10	9.60	ppbv	96			70	130	
	Acetone	10	8.50	ppbv	85			70	130	
	Carbon disulfide	10	9.80	ppbv	98			70	130	
	Methyl tert-butyl Ether	10	9.30	ppbv	93			70	130	
	Methylene Chloride	10	8.30	ppbv	83			70	130	
	trans-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	1,1-Dichloroethane	10	9.60	ppbv	96			70	130	
	Cyclohexane	10	10.5	ppbv	105			70	130	
	2-Butanone	10	10.1	ppbv	101			70	130	
	Carbon Tetrachloride	10	9.90	ppbv	99			70	130	
	cis-1,2-Dichloroethene	10	9.60	ppbv	96			70	130	
	Chloroform	10	9.70	ppbv	97			70	130	
	1,1,1-Trichloroethane	10	9.60	ppbv	96			70	130	
	2,2,4-Trimethylpentane	10	11.3	ppbv	113			70	130	
	Benzene	10	10.4	ppbv	104			70	130	
	1,2-Dichloroethane	10	10.3	ppbv	103			70	130	
	Trichloroethene	10	10.6	ppbv	106			70	130	
	1,2-Dichloropropane	10	10.3	ppbv	103			70	130	
	Bromodichloromethane	10	10.4	ppbv	104			70	130	
	4-Methyl-2-Pentanone	10	11.4	ppbv	114			70	130	
	Toluene	10	11.3	ppbv	113			70	130	
	t-1,3-Dichloropropene	10	10.2	ppbv	102			70	130	
	cis-1,3-Dichloropropene	10	10.6	ppbv	106			70	130	
	1,1,2-Trichloroethane	10	10.1	ppbv	101			70	130	
	Dibromochloromethane	10	10.3	ppbv	103			70	130	
	1,2-Dibromoethane	10	10.3	ppbv	103			70	130	
	Tetrachloroethene	10	9.70	ppbv	97			70	130	
	Chlorobenzene	10	10.2	ppbv	102			70	130	
	Ethyl Benzene	10	11.6	ppbv	116			70	130	
	m/p-Xylene	20	23.0	ppbv	115			70	130	
	o-Xylene	10	11.5	ppbv	115			70	130	
	Styrene	10	11.6	ppbv	116			70	130	
	Bromoform	10	10.2	ppbv	102			70	130	
	1,1,2,2-Tetrachloroethane	10	9.60	ppbv	96			70	130	
	2-Chlorotoluene	10	11.0	ppbv	110			70	130	
	1,3,5-Trimethylbenzene	10	11.1	ppbv	111			70	130	
	1,2,4-Trimethylbenzene	10	11.0	ppbv	110			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3320</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043056.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1008ABS01	1,3-Dichlorobenzene	10	9.90	ppbv	99			70	130	
	1,4-Dichlorobenzene	10	10.3	ppbv	103			70	130	
	1,2-Dichlorobenzene	10	9.60	ppbv	96			70	130	
	1,2,4-Trichlorobenzene	10	12.7	ppbv	127			70	130	
	Hexachloro-1,3-butadiene	10	10.3	ppbv	103			70	130	
	Naphthalene	10	10.0	ppbv	100			70	130	
	1,3-Butadiene	10	9.50	ppbv	95			70	130	
	4-Ethyltoluene	10	11.4	ppbv	114			70	130	
	Hexane	10	10.5	ppbv	105			70	130	
	Allyl Chloride	10	9.70	ppbv	97			70	130	
	1,4-Dioxane	10	10.5	ppbv	105			70	130	
	Methyl methacrylate	10	11.0	ppbv	110			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3320</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043081.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1009ABS01	Dichlorodifluoromethane	10	9.60	ppbv	96			70	130	
	Chloromethane	10	9.60	ppbv	96			70	130	
	Vinyl Chloride	10	9.30	ppbv	93			70	130	
	Bromomethane	10	9.50	ppbv	95			70	130	
	Chloroethane	10	9.10	ppbv	91			70	130	
	Tetrahydrofuran	10	9.90	ppbv	99			70	130	
	Trichlorofluoromethane	10	9.20	ppbv	92			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.30	ppbv	93			70	130	
	Dichlorotetrafluoroethane	10	9.60	ppbv	96			70	130	
	tert-Butyl Alcohol	10	9.10	ppbv	91			70	130	
	Heptane	10	10.0	ppbv	100			70	130	
	1,1-Dichloroethene	10	9.20	ppbv	92			70	130	
	Acetone	10	8.20	ppbv	82			70	130	
	Carbon disulfide	10	9.50	ppbv	95			70	130	
	Methyl tert-butyl Ether	10	8.70	ppbv	87			70	130	
	Methylene Chloride	10	8.10	ppbv	81			70	130	
	trans-1,2-Dichloroethene	10	9.10	ppbv	91			70	130	
	1,1-Dichloroethane	10	9.00	ppbv	90			70	130	
	Cyclohexane	10	9.60	ppbv	96			70	130	
	2-Butanone	10	9.20	ppbv	92			70	130	
	Carbon Tetrachloride	10	9.60	ppbv	96			70	130	
	cis-1,2-Dichloroethene	10	8.90	ppbv	89			70	130	
	Chloroform	10	9.30	ppbv	93			70	130	
	1,1,1-Trichloroethane	10	9.30	ppbv	93			70	130	
	2,2,4-Trimethylpentane	10	10.2	ppbv	102			70	130	
	Benzene	10	9.40	ppbv	94			70	130	
	1,2-Dichloroethane	10	9.80	ppbv	98			70	130	
	Trichloroethene	10	9.50	ppbv	95			70	130	
	1,2-Dichloropropane	10	9.20	ppbv	92			70	130	
	Bromodichloromethane	10	9.80	ppbv	98			70	130	
	4-Methyl-2-Pentanone	10	10.4	ppbv	104			70	130	
	Toluene	10	10.2	ppbv	102			70	130	
	t-1,3-Dichloropropene	10	9.40	ppbv	94			70	130	
	cis-1,3-Dichloropropene	10	9.60	ppbv	96			70	130	
	1,1,2-Trichloroethane	10	9.40	ppbv	94			70	130	
	Dibromochloromethane	10	10.0	ppbv	100			70	130	
	1,2-Dibromoethane	10	9.90	ppbv	99			70	130	
	Tetrachloroethene	10	9.10	ppbv	91			70	130	
	Chlorobenzene	10	9.20	ppbv	92			70	130	
	Ethyl Benzene	10	10.4	ppbv	104			70	130	
	m/p-Xylene	20	21.3	ppbv	106			70	130	
	o-Xylene	10	10.7	ppbv	107			70	130	
	Styrene	10	10.6	ppbv	106			70	130	
	Bromoform	10	10.4	ppbv	104			70	130	
	1,1,2,2-Tetrachloroethane	10	9.40	ppbv	94			70	130	
	2-Chlorotoluene	10	10.5	ppbv	105			70	130	
	1,3,5-Trimethylbenzene	10	10.8	ppbv	108			70	130	
	1,2,4-Trimethylbenzene	10	10.8	ppbv	108			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3320</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043081.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1009ABS01	1,3-Dichlorobenzene	10	10.0	ppbv	100			70	130	
	1,4-Dichlorobenzene	10	10.3	ppbv	103			70	130	
	1,2-Dichlorobenzene	10	9.60	ppbv	96			70	130	
	1,2,4-Trichlorobenzene	10	11.4	ppbv	114			70	130	
	Hexachloro-1,3-butadiene	10	9.40	ppbv	94			70	130	
	Naphthalene	10	9.50	ppbv	95			70	130	
	1,3-Butadiene	10	9.20	ppbv	92			70	130	
	4-Ethyltoluene	10	11.0	ppbv	110			70	130	
	Hexane	10	9.60	ppbv	96			70	130	
	Allyl Chloride	10	9.00	ppbv	90			70	130	
	1,4-Dioxane	10	9.90	ppbv	99			70	130	
	Methyl methacrylate	10	10.0	ppbv	100			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q3320-01DUP	Q3320-01
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL043084.D	VL043083.D
Anal Date & Time :	10/09/2025 12:44	10/09/2025 12:09

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0.05	0.05	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0.64	0.65	1.6
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0.22	0.22	0
Acetone	6.7	7	4.4
Allyl Chloride	0	0	0
Benzene	0.1	0.11	9.5
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.09	0.09	0

Duplicate Sample Summary

Lab Sample Id :	Q3320-01DUP	Q3320-01
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL043084.D	VL043083.D
Anal Date & Time :	10/09/2025 12:44	10/09/2025 12:09

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.2	0.2	0
Chloromethane	0.65	0.66	1.5
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.42	0.45	6.9
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.49	0.51	4
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0.88	0.87	1.1
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0.18	200 *
Tetrachloroethene	0.05	0.06	18.2
Tetrahydrofuran	0	0	0
Toluene	0	0.16	200 *
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0.07	0.07	0
Trichlorofluoromethane	0.21	0.23	9.1
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

Client ID

IA1DUP

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043084.D

Lab Sample ID: Q3320-01DUP

Date Analyzed: 10/09/2025

Time Analyzed: 12:44

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
IA1DUP	Q3320-01DUP	VL043084.D	10/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VL1008ABL01

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043055.D

Lab Sample ID: VL1008ABL01

Date Analyzed: 10/08/2025

Time Analyzed: 09:39

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
VL1008ABS01	VL1008ABS01	VL043056.D	10/08/2025
OA1	Q3320-13	VL043070.D	10/08/2025
IA5	Q3320-09	VL043072.D	10/08/2025
IA3	Q3320-05	VL043074.D	10/09/2025
IA4	Q3320-07	VL043076.D	10/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VL1009ABL01

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043080.D

Lab Sample ID: VL1009ABL01

Date Analyzed: 10/09/2025

Time Analyzed: 10:10

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
VL1009ABS01	VL1009ABS01	VL043081.D	10/09/2025
IA1	Q3320-01	VL043083.D	10/09/2025
IA2	Q3320-03	VL043085.D	10/09/2025
IA6	Q3320-11	VL043086.D	10/09/2025
SV2	Q3320-04	VL043087.D	10/09/2025
SV1	Q3320-02	VL043089.D	10/09/2025
SV6DL	Q3320-12DL	VL043092.D	10/09/2025
SV2DL	Q3320-04DL	VL043093.D	10/09/2025
SV3	Q3320-06	VL043094.D	10/09/2025
SV4	Q3320-08	VL043095.D	10/09/2025
SV5	Q3320-10	VL043096.D	10/09/2025
SV6	Q3320-12	VL043097.D	10/09/2025
SV4DL	Q3320-08DL	VL043101.D	10/09/2025
SV1DL	Q3320-02DL	VL043102.D	10/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043030.D

BFB Injection Date: 10/02/2025

Instrument ID: MSVOA_L

BFB Injection Time: 09:11

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	22.6
75	30.0 - 66.0% of mass 95	56
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	0.2 (0.3) 1
174	50.0 - 120.0% of mass 95	65.8
175	4.0 - 9.0% of mass 174	4.5 (6.9) 1
176	93.0 - 101.0% of mass 174	64.4 (97.8) 1
177	5.0 - 9.0% of mass 176	4.1 (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
VSTDICC0.5	VSTDICC0.5	VL043031.D	10/02/2025	09:50
VSTDICCC010	VSTDICCC010	VL043032.D	10/02/2025	10:23
VSTDICC002	VSTDICC002	VL043033.D	10/02/2025	10:57
VSTDICC001	VSTDICC001	VL043034.D	10/02/2025	11:29
VSTDICC0.1	VSTDICC0.1	VL043036.D	10/02/2025	12:35
VSTDICC0.03	VSTDICC0.03	VL043037.D	10/02/2025	13:07
VSTDICC015	VSTDICC015	VL043038.D	10/02/2025	13:41

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043053.D

BFB Injection Date: 10/08/2025

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	15.0 - 40.0% of mass 95	23.5
75	30.0 - 60.0% of mass 95	56.9
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 (0.5) 1
174	50.0 - 100.0% of mass 95	61.9
175	5.0 - 9.0% of mass 174	4.5 (7.2) 1
176	95.0 - 101.0% of mass 174	58.7 (94.8) 1
177	5.0 - 9.0% of mass 176	3.7 (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	VL043054.D	10/08/2025	08:54
VL1008ABL01	VL1008ABL01	VL043055.D	10/08/2025	09:39
VL1008ABS01	VL1008ABS01	VL043056.D	10/08/2025	10:23
OA1	Q3320-13	VL043070.D	10/08/2025	22:10
IA5	Q3320-09	VL043072.D	10/08/2025	23:16
IA3	Q3320-05	VL043074.D	10/09/2025	00:22
IA4	Q3320-07	VL043076.D	10/09/2025	01:28

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3320

Lab File ID: VL043078.D

BFB Injection Date: 10/09/2025

Instrument ID: MSVOA_L

BFB Injection Time: 07:56

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	22.7
75	30.0 - 66.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 120.0% of mass 95	66.3
175	4.0 - 9.0% of mass 174	4.7 (7.1) 1
176	93.0 - 101.0% of mass 174	62.2 (93.7) 1
177	5.0 - 9.0% of mass 176	3.7 (6) 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	VL043079.D	10/09/2025	09:29
VL1009ABL01	VL1009ABL01	VL043080.D	10/09/2025	10:10
VL1009ABS01	VL1009ABS01	VL043081.D	10/09/2025	10:54
IA1	Q3320-01	VL043083.D	10/09/2025	12:09
IA1DUP	Q3320-01DUP	VL043084.D	10/09/2025	12:44
IA2	Q3320-03	VL043085.D	10/09/2025	13:18
IA6	Q3320-11	VL043086.D	10/09/2025	13:52
SV2	Q3320-04	VL043087.D	10/09/2025	14:25
SV1	Q3320-02	VL043089.D	10/09/2025	15:31
SV6DL	Q3320-12DL	VL043092.D	10/09/2025	17:17
SV2DL	Q3320-04DL	VL043093.D	10/09/2025	18:20
SV3	Q3320-06	VL043094.D	10/09/2025	18:54
SV4	Q3320-08	VL043095.D	10/09/2025	19:29
SV5	Q3320-10	VL043096.D	10/09/2025	20:04
SV6	Q3320-12	VL043097.D	10/09/2025	20:39
SV4DL	Q3320-08DL	VL043101.D	10/09/2025	22:58
SV1DL	Q3320-02DL	VL043102.D	10/10/2025	07:46

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
 Lab Code: ACE SDG NO.: Q3320
 Lab File ID: VL043054.D Date Analyzed: 10/08/2025
 Instrument ID: MSVOA_L Time Analyzed: 08:54
 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	178633	2.79	491196	3.96	404989	8.89
UPPER LIMIT	250086	3.12	687674	4.29	566985	9.22
LOWER LIMIT	107180	2.46	294718	3.63	242993	8.56
EPA SAMPLE NO.						
IA3	167022	2.78	426656	3.95	339471	8.87
IA4	165718	2.78	421136	3.95	326320	8.87
IA5	166750	2.78	430435	3.95	343430	8.88
OA1	172065	2.78	450631	3.96	352768	8.88
VL1008ABL01	180991	2.79	491665	3.97	390940	8.89
VL1008ABS01	180769	2.79	507280	3.97	420006	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3320</u>
Lab File ID:	<u>VL043054.D</u>	Date Analyzed:	<u>10/08/2025</u>
Instrument ID:	<u>MSVOA_L</u>	Time Analyzed:	<u>08:54</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
IA3	0	0.00				
IA4	0	0.00				
IA5	0	0.00				
OA1	0	0.00				
VL1008ABL01	0	0.00				
VL1008ABS01	0	0.00				

IS4 =

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
Lab Code: ACE SDG NO.: Q3320
Lab File ID: VL043079.D Date Analyzed: 10/09/2025
Instrument ID: MSVOA_L Time Analyzed: 09:29
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	197992	2.78	568897	3.94	498408	8.87
UPPER LIMIT	277189	3.11	796456	4.27	697771	9.20
LOWER LIMIT	118795	2.45	341338	3.61	299045	8.54
EPA SAMPLE NO.						
IA1	181836	2.77	493969	3.94	418241	8.86
IA1DUP	196118	2.78	517619	3.94	434677	8.87
SV1	191613	2.77	543620	3.94	535675	8.86
SV1DL	154952	2.77	402038	3.94	367716	8.86
IA2	200129	2.78	528770	3.95	446168	8.87
SV2	189452	2.78	494714	3.94	492557	8.86
SV2DL	169568	2.78	455409	3.94	411145	8.87
SV3	191981	2.77	503256	3.94	519202	8.86
SV4	172723	2.77	465309	3.94	484936	8.86
SV4DL	170025	2.77	427891	3.94	411008	8.86
SV5	196019	2.78	525980	3.94	487210	8.86
IA6	194363	2.78	513990	3.94	433895	8.87
SV6	179161	2.78	516837	3.94	480307	8.86
SV6DL	192317	2.77	513474	3.94	466022	8.86
VL1009ABL01	178561	2.78	511863	3.94	429488	8.87
VL1009ABS01	181390	2.78	514089	3.94	451201	8.87

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
 Lab Code: ACE SDG NO.: Q3320
 Lab File ID: VL043079.D Date Analyzed: 10/09/2025
 Instrument ID: MSVOA_L Time Analyzed: 09:29
 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	197992	2.78	568897	3.94	498408	8.87
UPPER LIMIT	277189	3.11	796456	4.27	697771	9.20
LOWER LIMIT	118795	2.45	341338	3.61	299045	8.54
EPA SAMPLE NO.						

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.



Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3320</u>
Lab File ID:	<u>VL043079.D</u>	Date Analyzed:	<u>10/09/2025</u>
Instrument ID:	<u>MSVOA_L</u>	Time Analyzed:	<u>09:29</u>
GC Column:	RTX-1	ID:	0.32 (mm)
		Heated Purge:	(Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
IA1	0	0.00				
IA1DUP	0	0.00				
SV1	0	0.00				
SV1DL	0	0.00				
IA2	0	0.00				
SV2	0	0.00				
SV2DL	0	0.00				
SV3	0	0.00				
SV4	0	0.00				
SV4DL	0	0.00				
SV5	0	0.00				
IA6	0	0.00				
SV6	0	0.00				
SV6DL	0	0.00				
VL1009ABL01	0	0.00				
VL1009ABS01	0	0.00				

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
 Lab Code: ACE SDG NO.: Q3320
 Lab File ID: VL043079.D Date Analyzed: 10/09/2025
 Instrument ID: MSVOA_L Time Analyzed: 09:29
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						

IS4 =

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

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043083.D	1		10/09/25 12:09	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.45	2.23	J	0.54	2.47
74-87-3	Chloromethane	0.66	1.36		0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.18	0.55	J	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	7.00	16.6		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.87	3.02		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.65	1.92		0.18	1.47
56-23-5	Carbon Tetrachloride	0.090	0.57		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.20	0.98	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.11	0.35	J	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.070	0.38		0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.22	0.90	J	0.41	2.05
108-88-3	Toluene	0.16	0.60	J	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043083.D	1		10/09/25 12:09	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.060	0.41		0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.050	0.34		0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.51	1.80		0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	10.7		65 - 135	107%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	182000	2.774
540-36-3	1,4-Difluorobenzene	494000	3.939
3114-55-4	Chlorobenzene-d5	418000	8.862

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043083.D	1		10/09/25 12:09	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
------------	-----------	---------------	----------------	-----------	-----	------------

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043083.D
 Acq On : 09 Oct 2025 12:09
 Operator : SY/MD
 Sample : Q3320-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:13:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	181836	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	493969	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	418241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 322719 10.711 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	13689	0.447	ppbv	98
3) Chlorodifluoromethane	1.470	51	12816m	0.432	ppbv	
4) Chloromethane	1.528	50	7370	0.658	ppbv	97
9) Propene	1.483	41	12110	1.013	ppbv #	77
11) Trichlorofluoromethane	1.871	101	7176	0.228	ppbv	94
13) Ethanol	1.716	45	279631	644.253	ppbv	88
15) Acetone	1.829	43	177142	6.958	ppbv	99
17) tert-Butyl alcohol	2.036	59	4919	0.183	ppbv #	93
19) Isopropyl Alcohol	1.878	45	26869	2.203	ppbv #	1
20) Methylene Chloride	2.052	84	9689	0.872	ppbv	98
26) Hexane	2.816	57	12465	0.507	ppbv #	39
29) Chloroform	2.832	83	8469	0.202	ppbv	92
34) 2-Butanone	2.548	43	21887	0.653	ppbv	94
35) Carbon Tetrachloride	3.745	117	3705	0.091	ppbv #	84
36) Benzene	3.638	78	5219	0.111	ppbv #	87
38) Trichloroethene	4.528	130	1400m	0.071	ppbv	
50) 4-Methyl-2-Pentanone	5.729	43	9061m	0.222	ppbv	
51) 2-Hexanone	7.419	43	4173m	0.143	ppbv	
52) Tetrachloroethene	8.199	164	1024m	0.059	ppbv	
53) Toluene	6.911	91	7507m	0.158	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.950	83	1822m	0.047	ppbv	

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

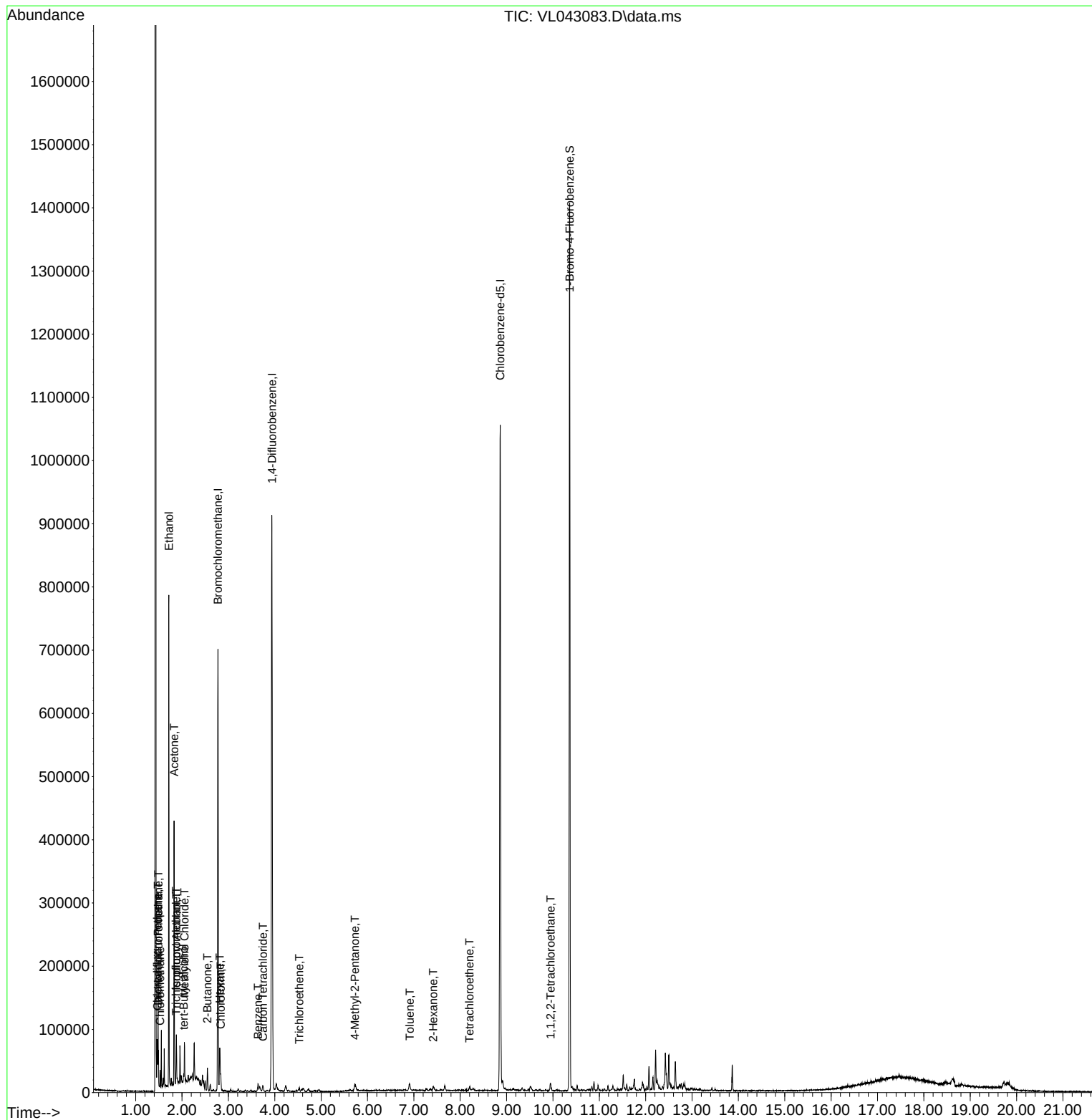
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Data File : VL043083.D
Acq On : 09 Oct 2025 12:09
Operator : SY/MD
Sample : Q3320-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

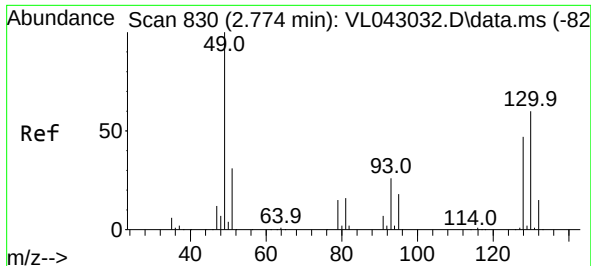
Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





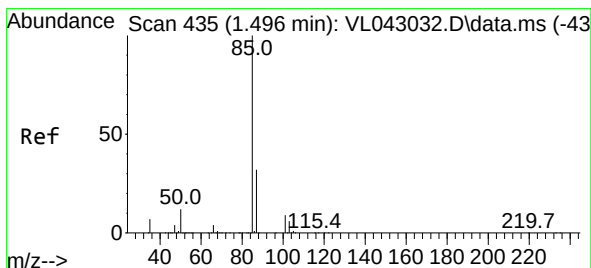
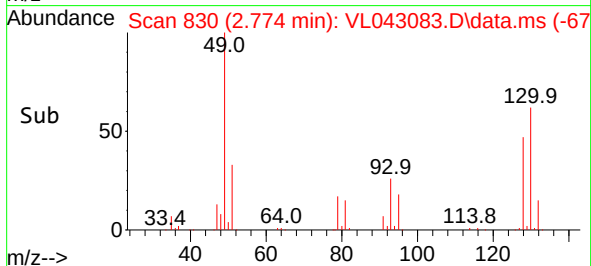
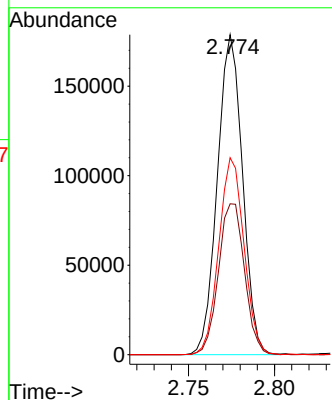
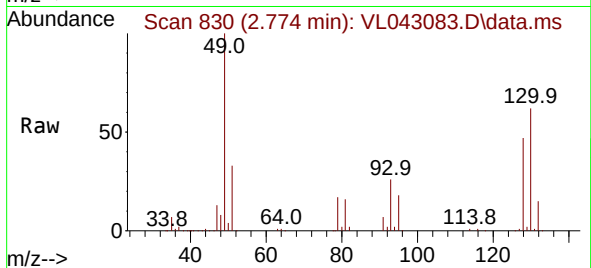
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 830
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 181830
Ion Ratio Lower Upper
49 100
128 49.0 24.1 72.2
130 61.8 31.4 94.3

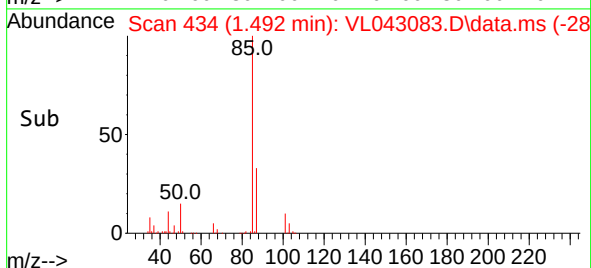
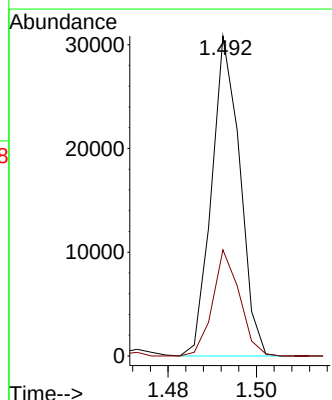
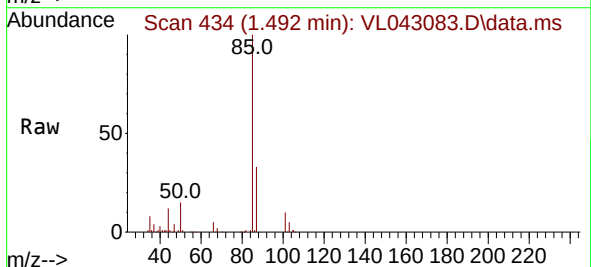
Manual Integrations
APPROVED

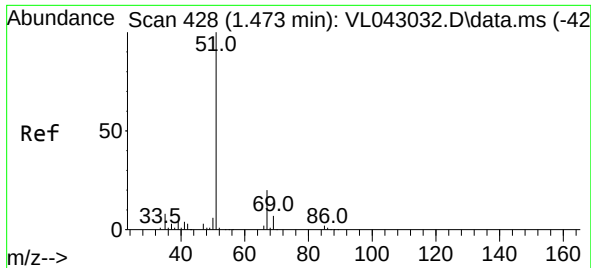
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.447 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

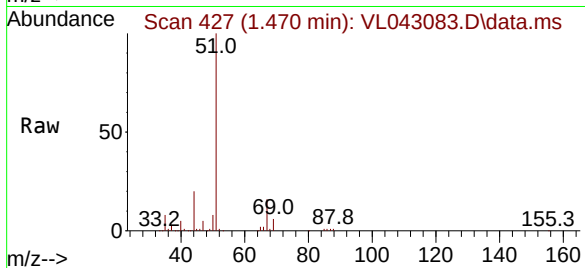
Tgt Ion: 85 Resp: 13689
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6





#3
Chlorodifluoromethane
Concen: 0.432 ppbv m
RT: 1.470 min Scan# 427
Delta R.T. -0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

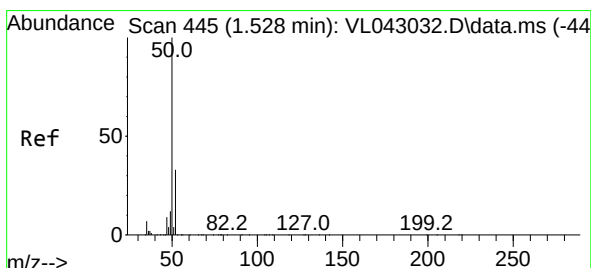
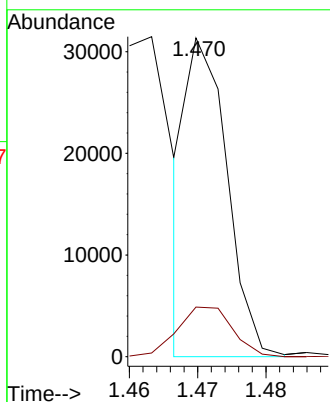
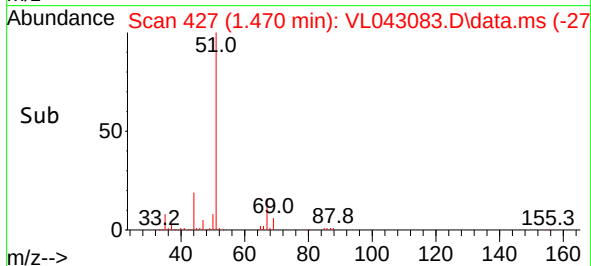
Instrument :
MSVOA_L
ClientSampleId :
IA1



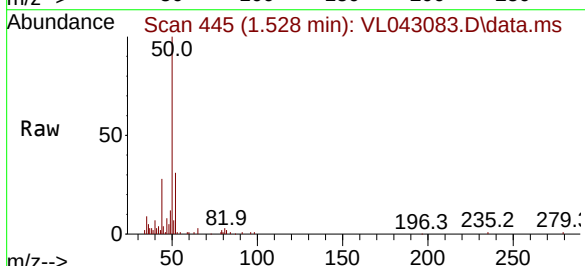
Tgt Ion: 51 Resp: 12810
Ion Ratio Lower Upper
51 100
67 1.5 15.1 22.7

Manual Integrations
APPROVED

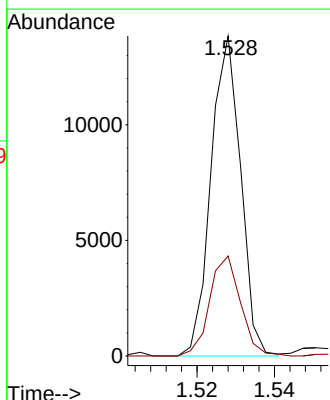
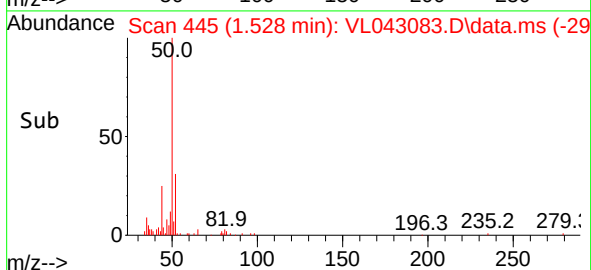
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

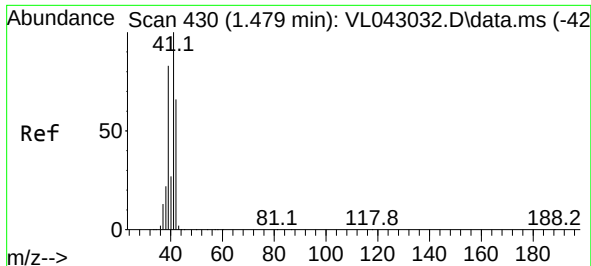


#4
Chloromethane
Concen: 0.658 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09



Tgt Ion: 50 Resp: 7370
Ion Ratio Lower Upper
50 100
52 31.3 26.2 39.2





#9

Propene

Concen: 1.013 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 12110

Ion Ratio Lower Upper

41 100

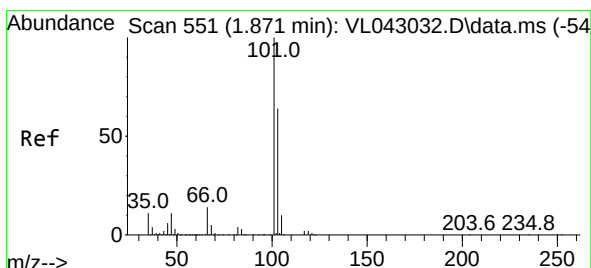
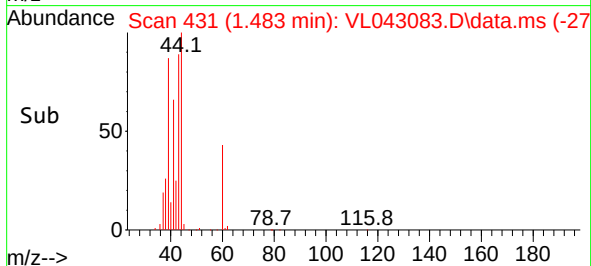
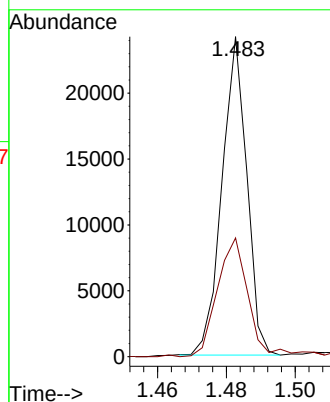
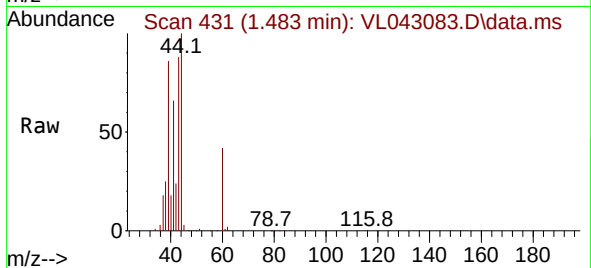
42 48.0 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#11

Trichlorofluoromethane

Concen: 0.228 ppbv

RT: 1.871 min Scan# 551

Delta R.T. 0.000 min

Lab File: VL043083.D

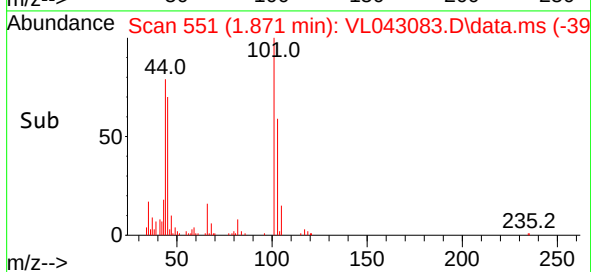
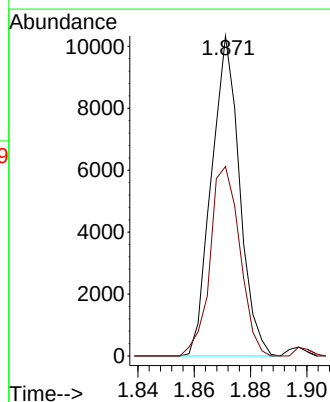
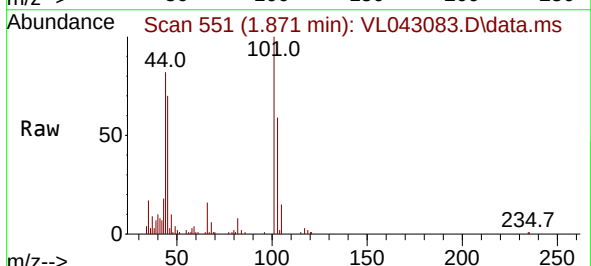
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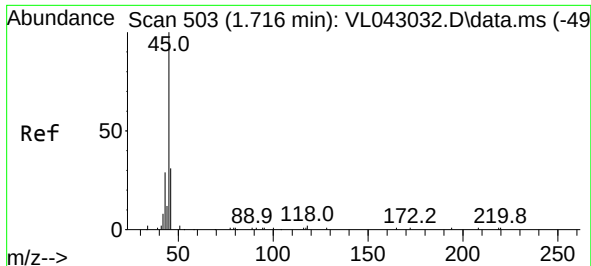
Tgt Ion:101 Resp: 7176

Ion Ratio Lower Upper

101 100

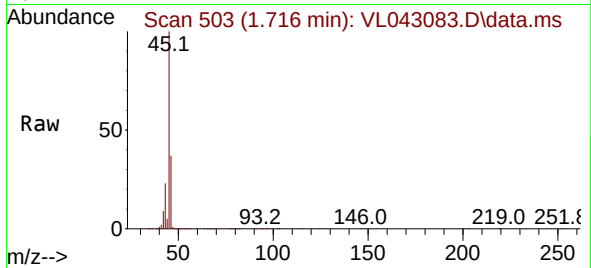
103 59.2 51.1 76.7





#13
Ethanol
Concen: 644.253 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

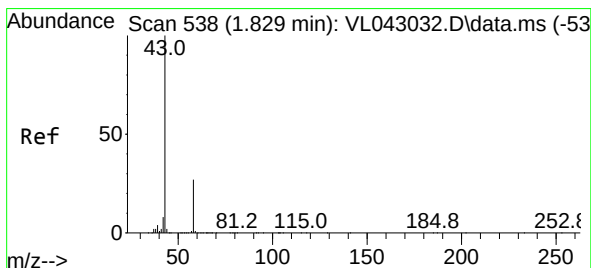
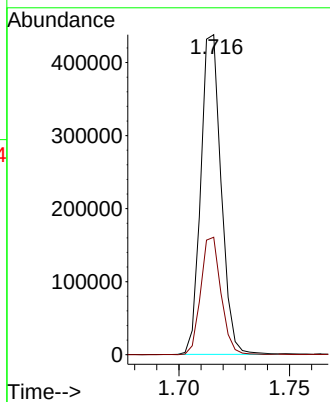
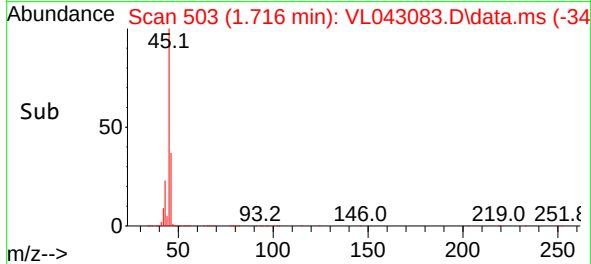
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 27963
Ion Ratio Lower Upper
45 100
46 36.9 17.8 71.4

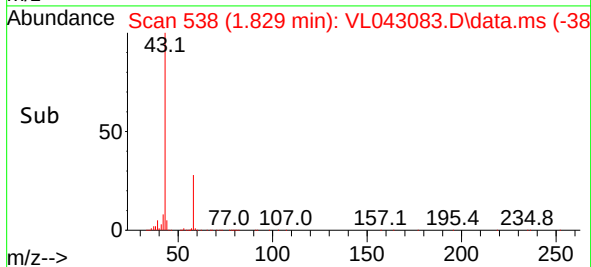
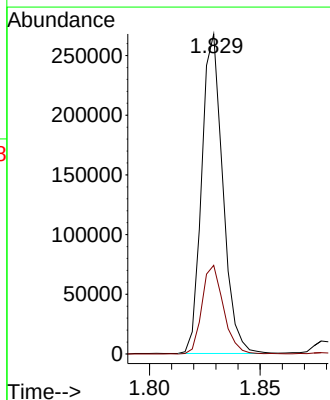
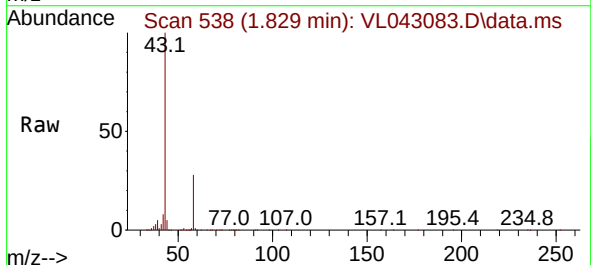
Manual Integrations
APPROVED

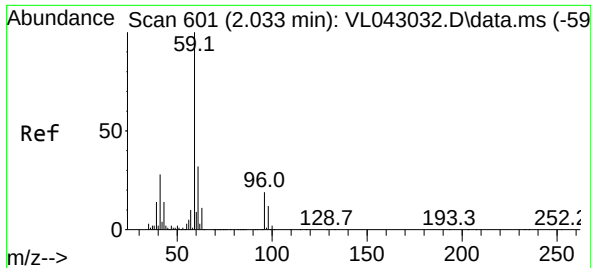
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#15
Acetone
Concen: 6.958 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

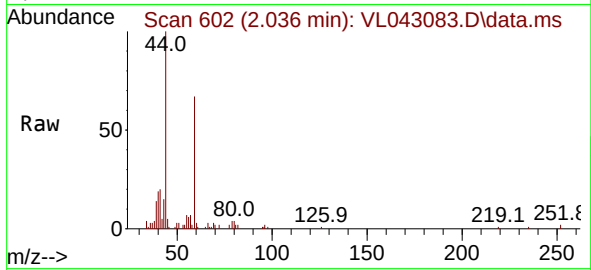
Tgt Ion: 43 Resp: 177142
Ion Ratio Lower Upper
43 100
58 28.3 22.2 33.4





#17
tert-Butyl alcohol
Concen: 0.183 ppbv
RT: 2.036 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

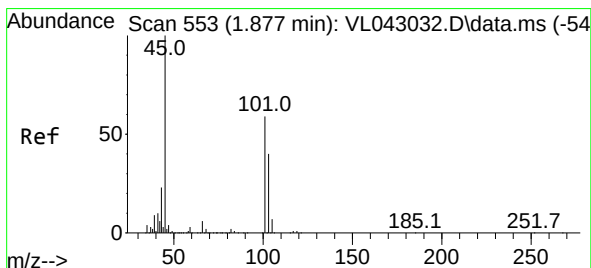
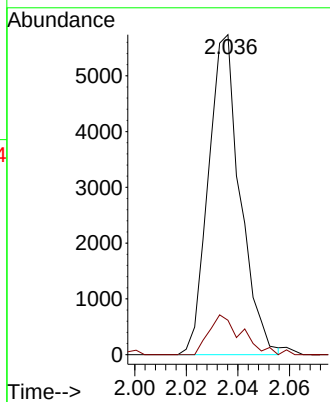
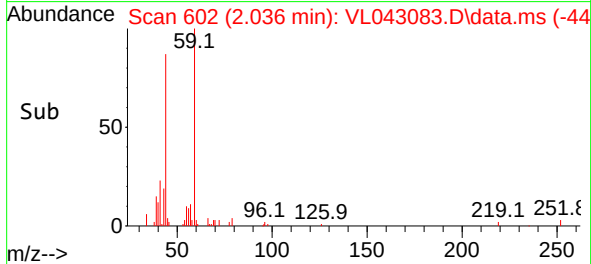
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 59 Resp: 4919
Ion Ratio Lower Upper
59 100
57 13.1 8.5 12.7

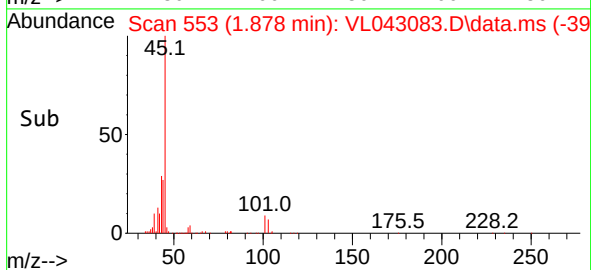
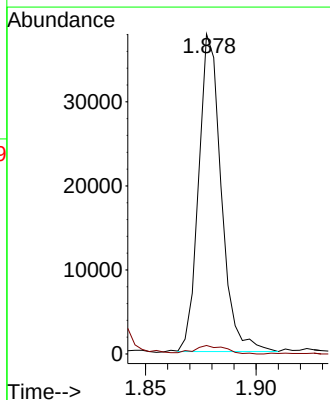
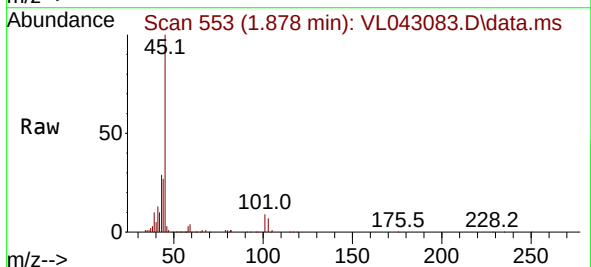
Manual Integrations
APPROVED

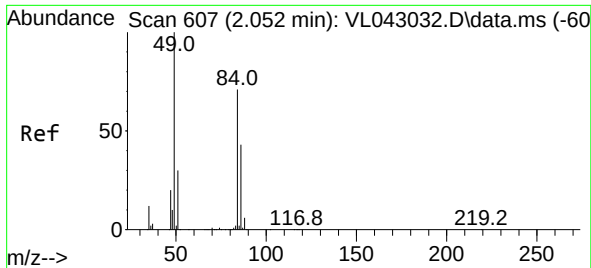
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#19
Isopropyl Alcohol
Concen: 2.203 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

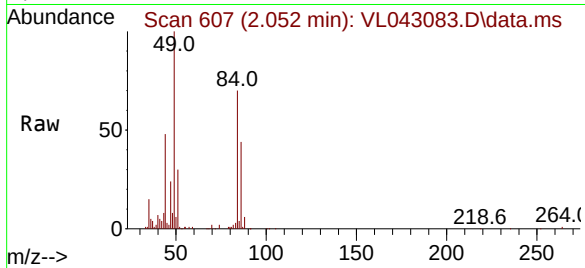
Tgt Ion: 45 Resp: 26869
Ion Ratio Lower Upper
45 100
58 186.6 42.3 63.5





#20
Methylene Chloride
Concen: 0.872 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

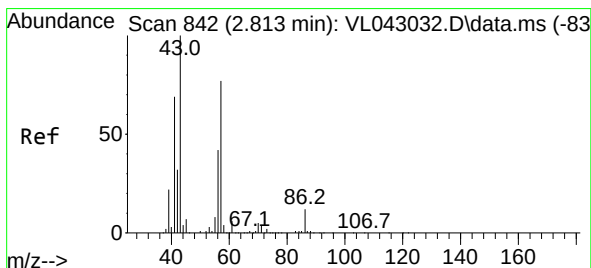
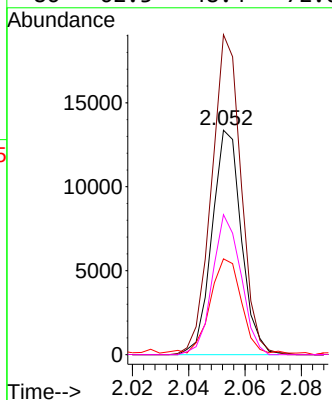
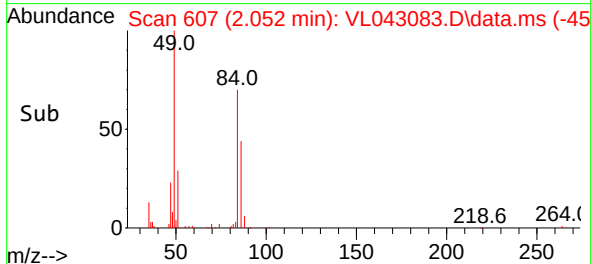
Instrument :
MSVOA_L
ClientSampleId :
IA1



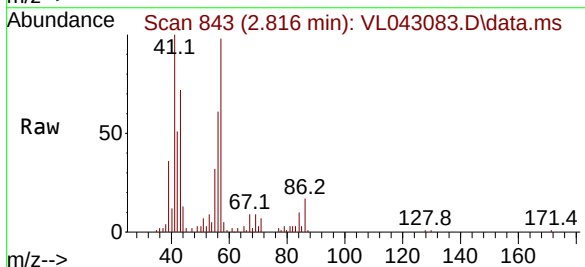
Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.6	112.5	168.7
51	41.1	34.2	51.2
86	62.3	48.4	72.6

Manual Integrations
APPROVED

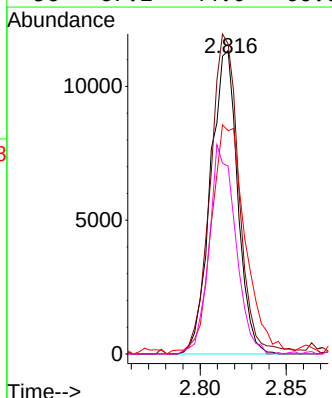
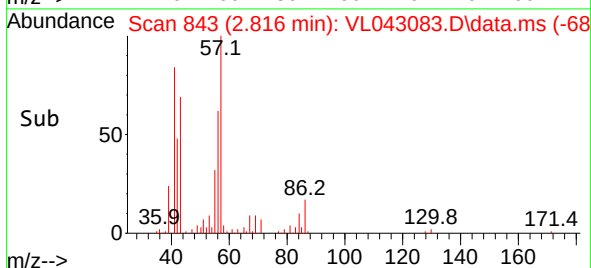
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

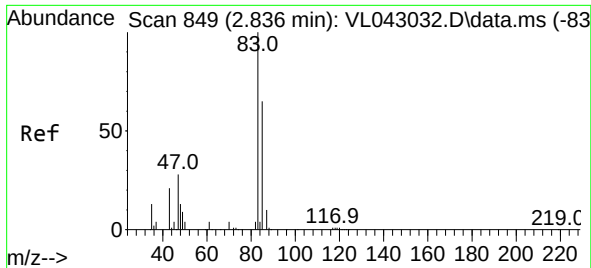


#26
Hexane
Concen: 0.507 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09



Tgt Ion	Ratio	Lower	Upper
57	100		
41	111.3	76.1	114.1
43	98.9	201.4	302.0#
56	67.2	44.0	66.0#





#29

Chloroform

Concen: 0.202 ppbv

RT: 2.832 min Scan# 849

Delta R.T. -0.003 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 8469

Ion Ratio Lower Upper

83 100

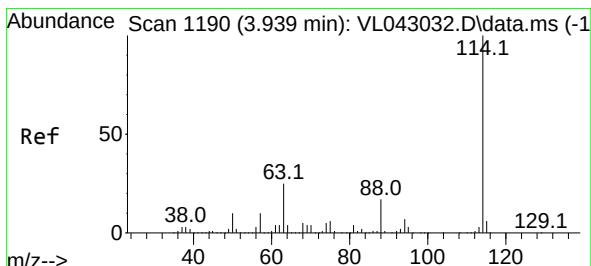
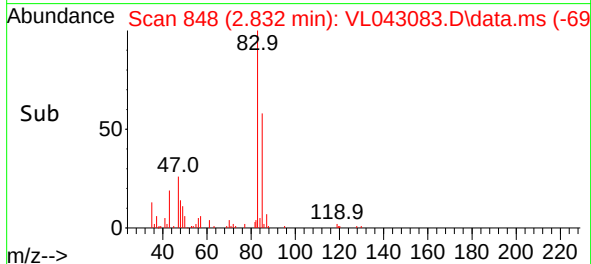
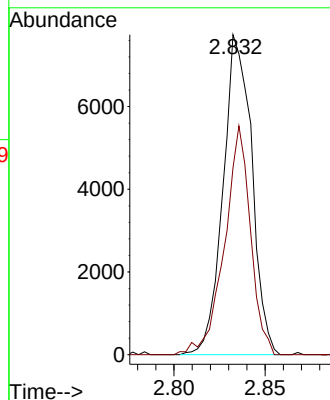
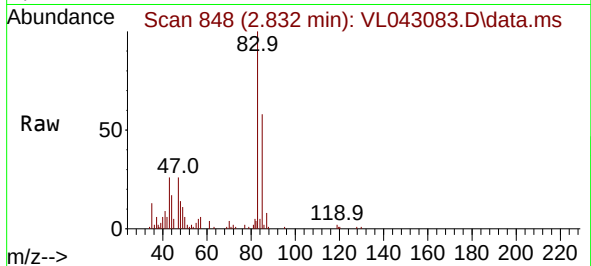
85 58.4 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

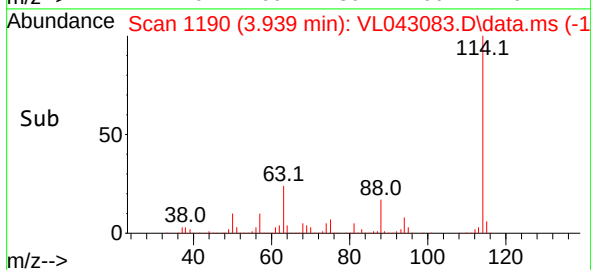
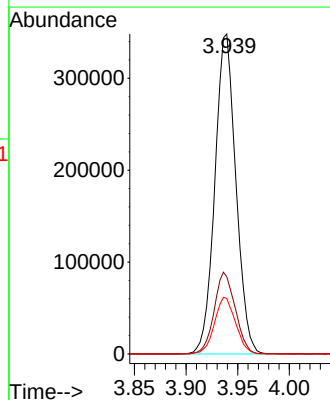
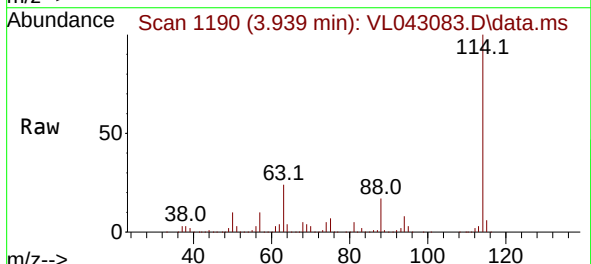
Tgt Ion:114 Resp: 493969

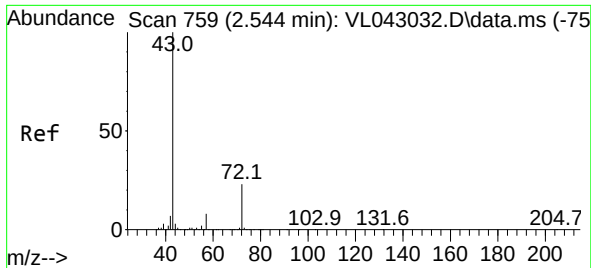
Ion Ratio Lower Upper

114 100

63 25.6 19.4 29.2

88 17.7 13.9 20.9





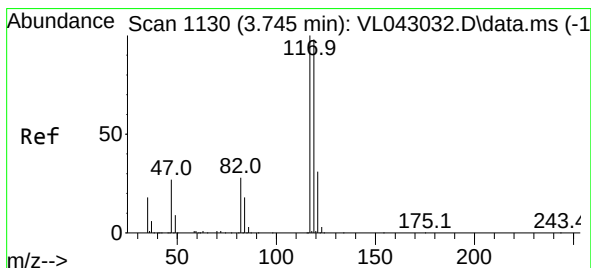
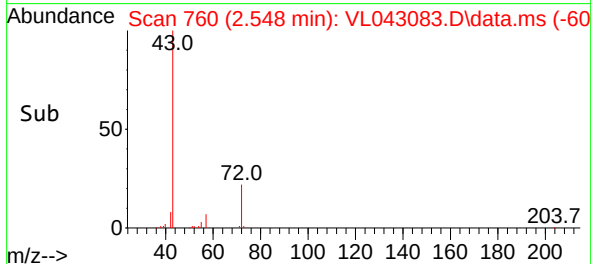
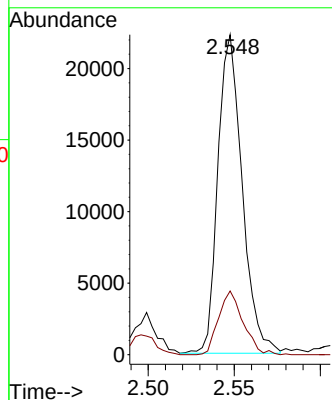
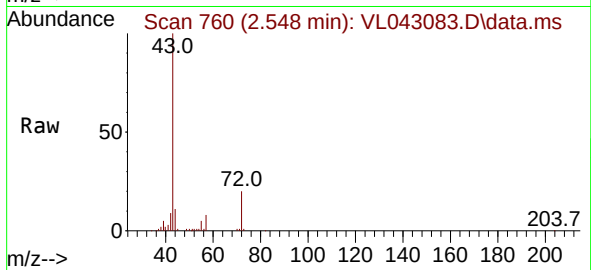
#34
2-Butanone
Concen: 0.653 ppbv
RT: 2.548 min Scan# 759
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 2188
Ion Ratio Lower Upper
43 100
72 20.3 18.4 27.6

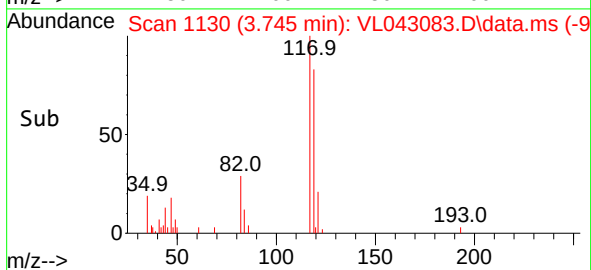
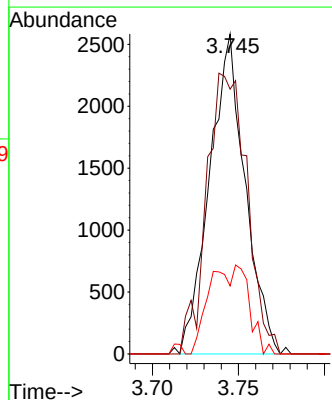
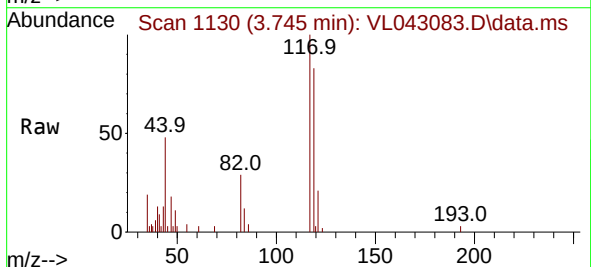
Manual Integrations
APPROVED

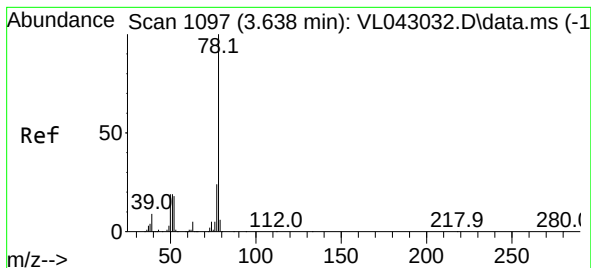
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#35
Carbon Tetrachloride
Concen: 0.091 ppbv
RT: 3.745 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion:117 Resp: 3705
Ion Ratio Lower Upper
117 100
119 82.7 78.2 117.4
121 21.2 24.8 37.2#





#36

Benzene

Concen: 0.111 ppbv

RT: 3.638 min Scan# 1097

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

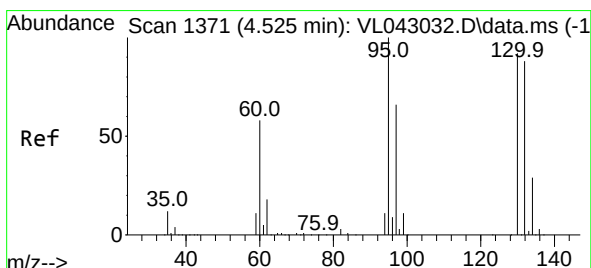
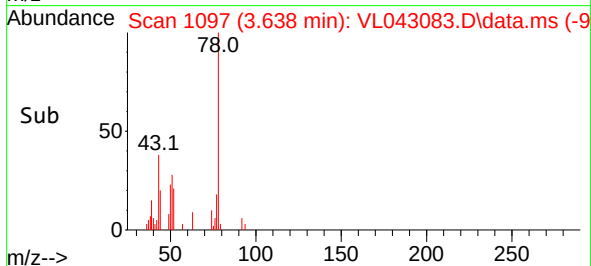
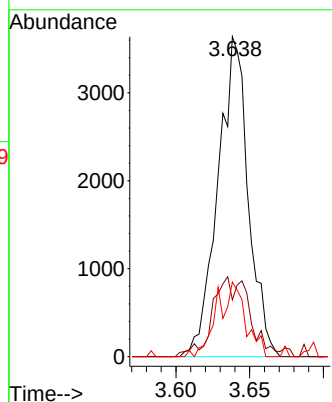
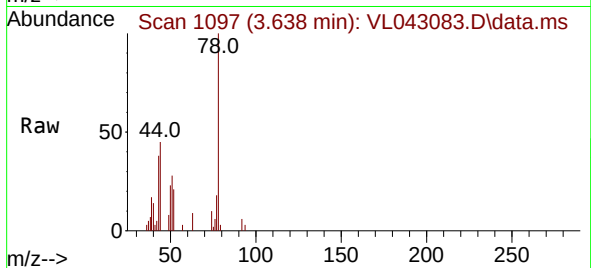
Tgt Ion: 78 Resp: 5219

Ion	Ratio	Lower	Upper
78	100		
77	16.4	19.2	28.8
50	23.3	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38

Trichloroethene

Concen: 0.071 ppbv m

RT: 4.528 min Scan# 1372

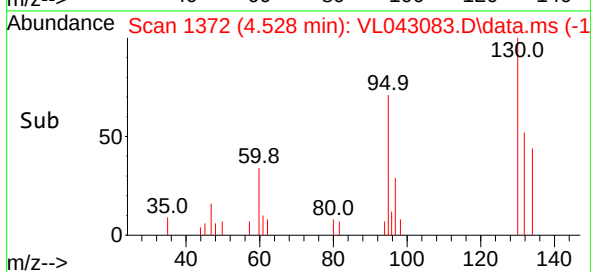
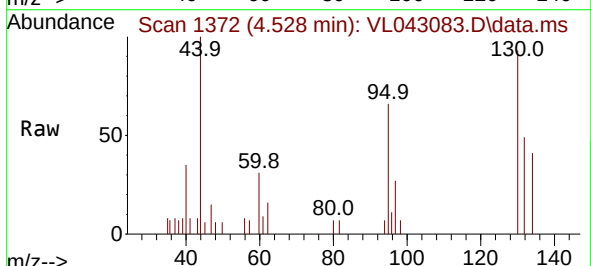
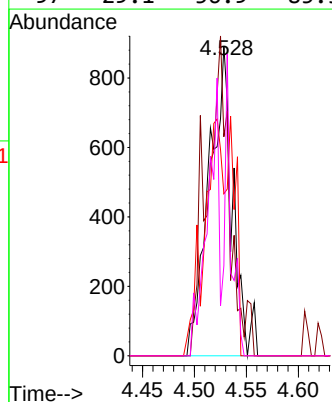
Delta R.T. 0.003 min

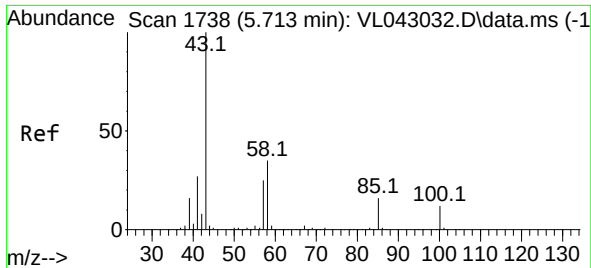
Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Tgt Ion:130 Resp: 1400

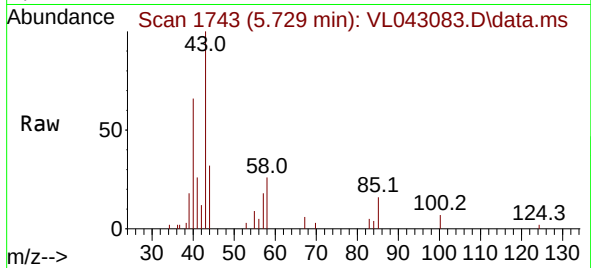
Ion	Ratio	Lower	Upper
130	100		
95	70.7	86.4	129.6
132	52.4	75.7	113.5
97	29.1	56.9	85.3





#50
4-Methyl-2-Pentanone
Concen: 0.222 ppbv m
RT: 5.729 min Scan# 1738
Delta R.T. 0.016 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

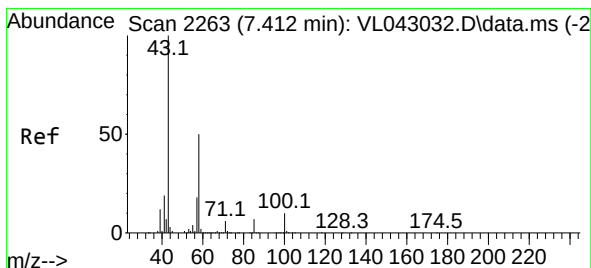
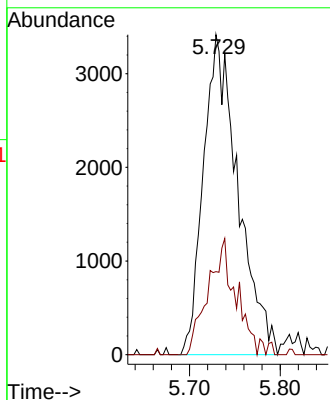
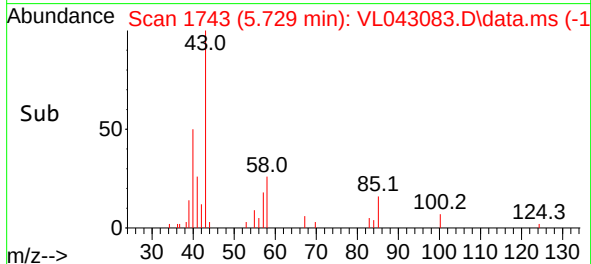
Instrument : MSVOA_L
ClientSampleId : 1A1



Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1

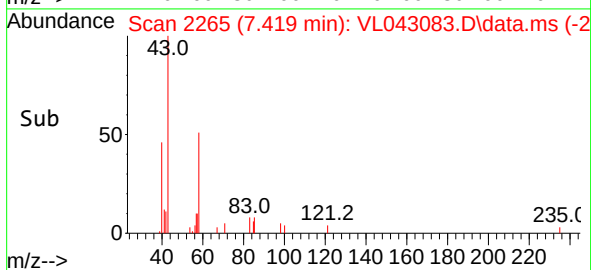
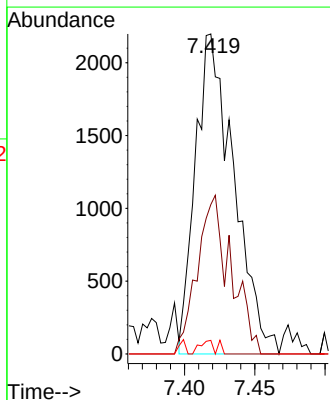
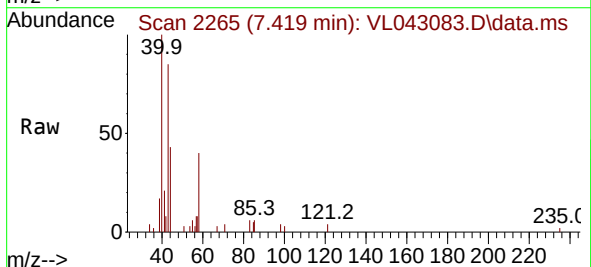
Manual Integrations
APPROVED

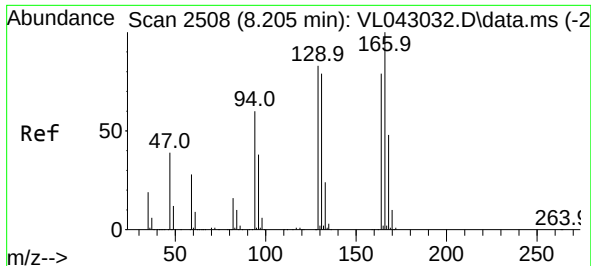
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#51
2-Hexanone
Concen: 0.143 ppbv m
RT: 7.419 min Scan# 2265
Delta R.T. 0.007 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

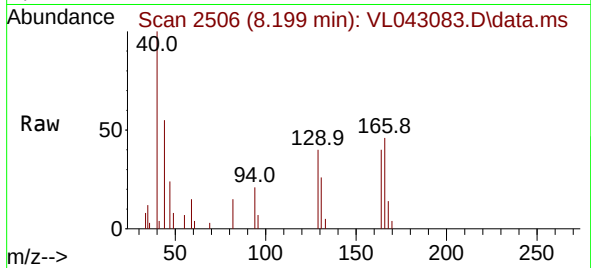
Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
58 43.3 39.1 58.7
98 0.0 0.5 0.7





#52
Tetrachloroethene
Concen: 0.059 ppbv m
RT: 8.199 min Scan# 2108
Delta R.T. -0.006 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

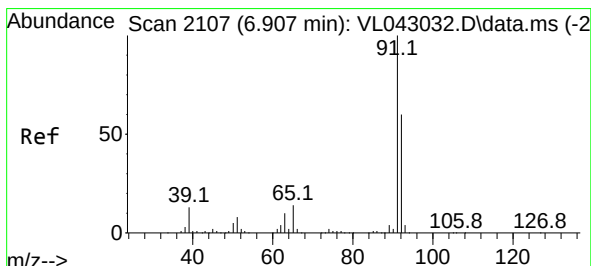
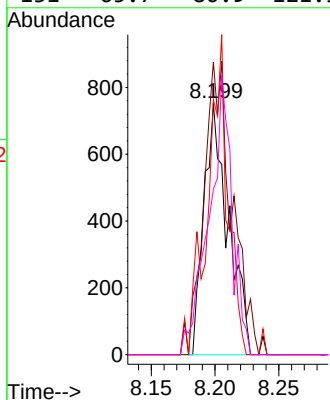
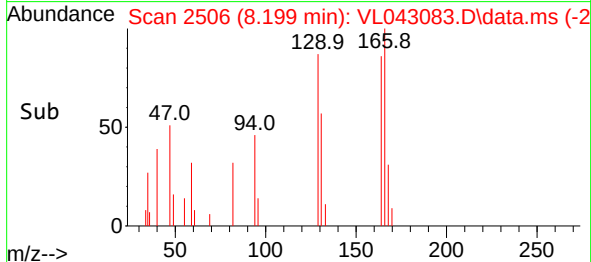
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 1024
Ion Ratio Lower Upper
164 100
166 116.3 101.8 152.8
129 101.3 84.5 126.7
131 65.7 80.9 121.3#

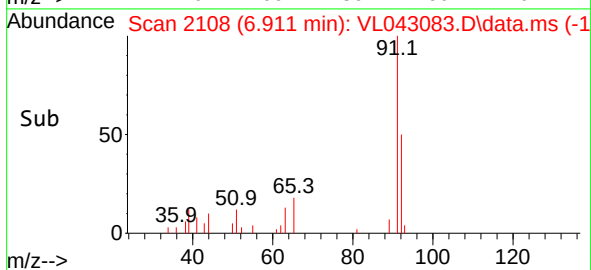
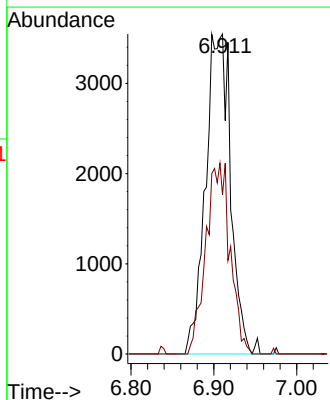
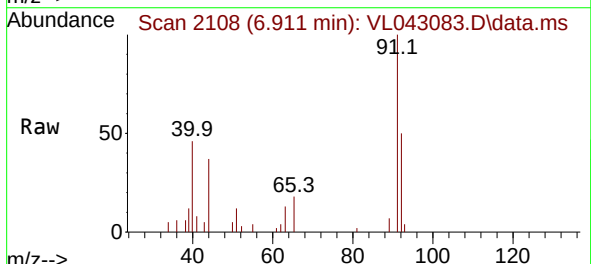
Manual Integrations
APPROVED

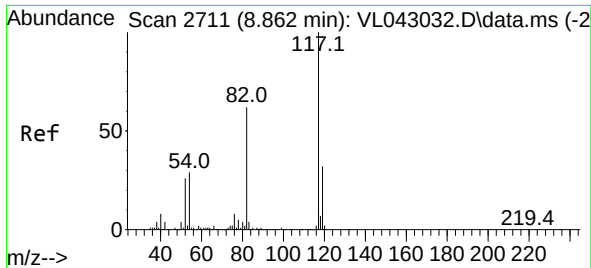
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.158 ppbv m
RT: 6.911 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

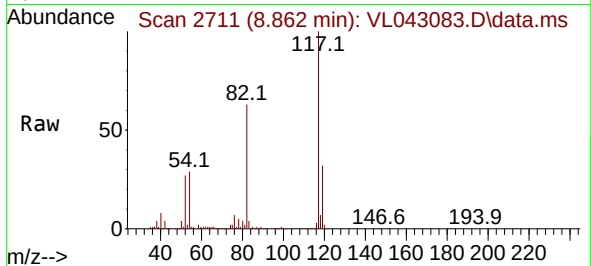
Tgt Ion: 91 Resp: 7507
Ion Ratio Lower Upper
91 100
92 57.3 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

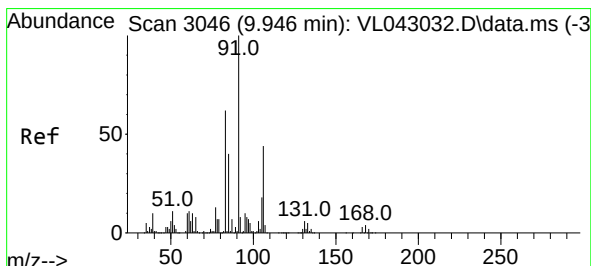
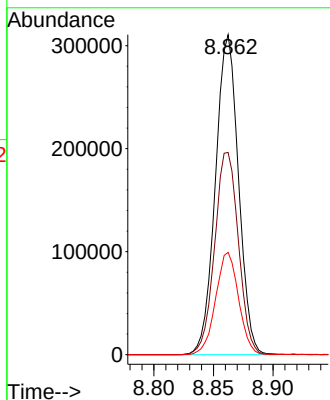
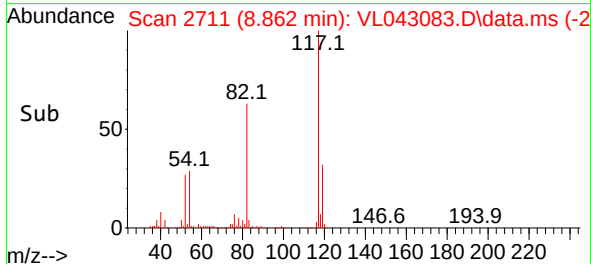
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 117 Resp: 41824
Ion Ratio Lower Upper
117 100
82 65.2 53.0 79.6
119 31.9 25.4 38.2

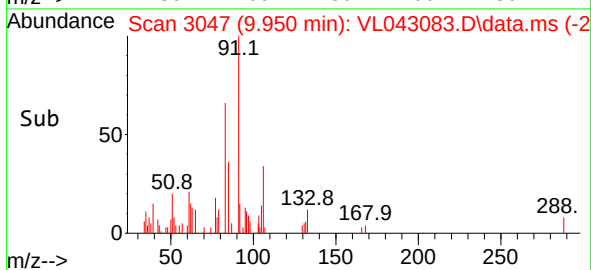
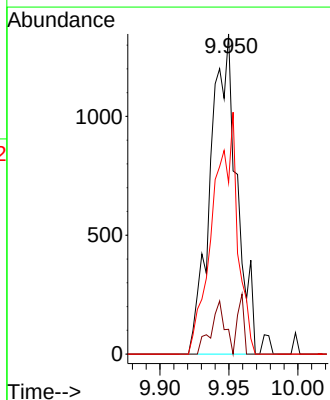
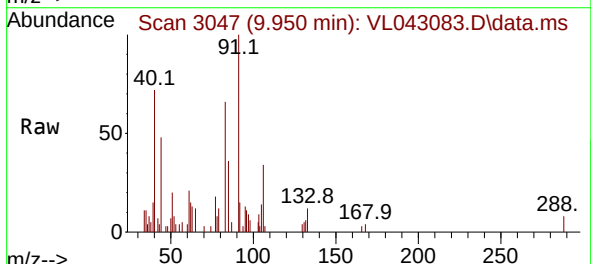
Manual Integrations
APPROVED

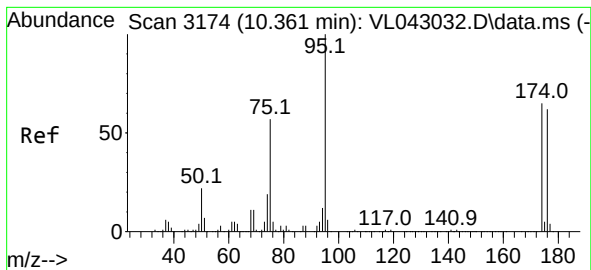
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.047 ppbv m
RT: 9.950 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VL043083.D
Acq: 09 Oct 2025 12:09

Tgt Ion: 83 Resp: 1822
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 32.0 96.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.711 ppbv

RT: 10.361 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL043083.D

Acq: 09 Oct 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 95 Resp: 322719

Ion Ratio Lower Upper

95 100

174 65.5 52.3 78.5

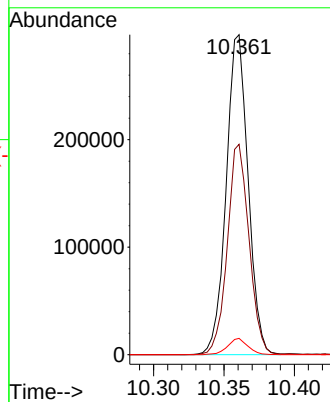
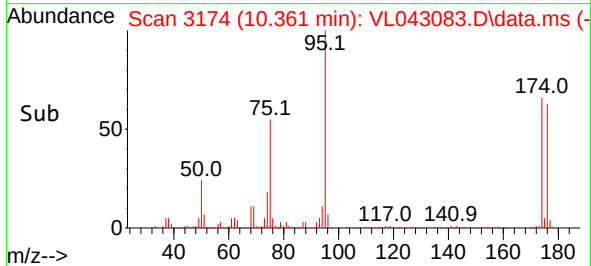
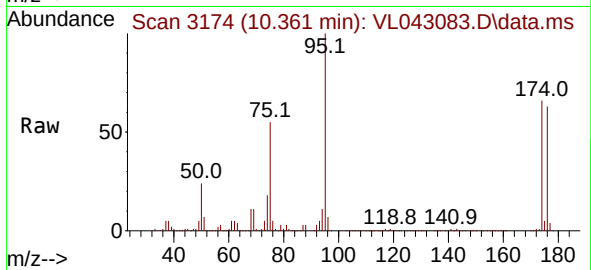
175 4.7 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1	SDG No.:	Q3320
Lab Sample ID:	Q3320-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043089.D	10		10/09/25 15:31	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	5.44	U	5.44	24.7
74-87-3	Chloromethane	0.98	2.02	U	2.02	10.3
75-01-4	Vinyl Chloride	0.25	0.64	U	0.64	0.77
74-83-9	Bromomethane	0.77	2.99	U	2.99	19.4
75-00-3	Chloroethane	1.50	3.96	U	3.96	13.2
109-99-9	Tetrahydrofuran	2.20	6.49	J	2.36	14.8
75-69-4	Trichlorofluoromethane	64.7	364		9.55	28.1
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	U	10.7	38.3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	U	10.5	35.0
75-65-0	tert-Butyl alcohol	1.60	4.85	U	4.85	15.2
142-82-5	Heptane	4.10	16.8	J	6.97	20.5
75-35-4	1,1-Dichloroethene	1.50	5.95	U	5.95	19.8
67-64-1	Acetone	60.5	144		4.28	11.9
75-15-0	Carbon Disulfide	7.40	23.0		2.49	15.6
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	U	8.29	18.0
75-09-2	Methylene Chloride	3.60	12.5	J	7.99	17.4
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	U	4.76	19.8
75-34-3	1,1-Dichloroethane	1.30	5.26	U	5.26	20.2
110-82-7	Cyclohexane	2.20	7.57	U	7.57	17.2
78-93-3	2-Butanone	5.00	14.8		1.65	14.8
56-23-5	Carbon Tetrachloride	0.25	1.57	U	1.57	1.89
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	U	3.93	19.8
67-66-3	Chloroform	5.50	26.9		4.69	24.4
71-55-6	1,1,1-Trichloroethane	4.70	25.6		0.87	1.64
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	U	6.54	23.4
71-43-2	Benzene	1.30	4.15	J	2.52	16.0
107-06-2	1,2-Dichloroethane	0.93	3.76	U	3.76	20.2
79-01-6	Trichloroethene	1400	7520	E	1.29	1.61
78-87-5	1,2-Dichloropropane	1.30	6.01	U	6.01	23.1
75-27-4	Bromodichloromethane	0.63	4.22	U	4.22	33.5
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	U	3.98	20.5
108-88-3	Toluene	7.20	27.1		6.03	18.8
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	U	6.81	22.7
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	U	4.99	22.7
79-00-5	1,1,2-Trichloroethane	0.81	4.42	U	4.42	27.3

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1	SDG No.:	Q3320
Lab Sample ID:	Q3320-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043089.D	10		10/09/25 15:31	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.85	7.24	U	7.24	42.6
106-93-4	1,2-Dibromoethane	0.85	6.53	U	6.53	7.69
127-18-4	Tetrachloroethene	840	5700	E	1.02	2.03
108-90-7	Chlorobenzene	0.77	3.55	U	3.55	23.0
100-41-4	Ethyl Benzene	1.90	8.25	U	8.25	21.7
179601-23-1	m/p-Xylene	4.10	17.8	U	17.8	43.4
95-47-6	o-Xylene	2.50	10.9	J	9.12	21.7
100-42-5	Styrene	1.60	6.81	U	6.81	21.3
75-25-2	Bromoform	0.48	4.96	U	4.96	51.7
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	U	1.24	2.06
95-49-8	2-Chlorotoluene	1.70	8.80	U	8.80	25.9
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	U	8.85	24.6
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	U	8.85	24.6
541-73-1	1,3-Dichlorobenzene	0.54	3.25	U	3.25	30.1
106-46-7	1,4-Dichlorobenzene	1.30	7.82	U	7.82	30.1
95-50-1	1,2-Dichlorobenzene	1.30	7.82	U	7.82	30.1
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	U	15.6	37.1
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	U	13.9	53.3
106-99-0	1,3-Butadiene	0.51	1.13	U	1.13	11.1
91-20-3	Naphthalene	0.13	0.68	U	0.68	5.24
622-96-8	4-Ethyltoluene	2.10	10.3	U	10.3	24.6
110-54-3	Hexane	28.2	99.4		5.64	17.6
107-05-1	Allyl Chloride	1.10	3.44	U	3.44	15.7
123-91-1	1,4-Dioxane	2.20	7.93	U	7.93	18.0
80-62-6	Methyl Methacrylate	1.40	5.73	U	5.73	20.5

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	11.1		65 - 135	111%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	192000	2.774
540-36-3	1,4-Difluorobenzene	544000	3.936
3114-55-4	Chlorobenzene-d5	536000	8.862

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1	SDG No.:	Q3320
Lab Sample ID:	Q3320-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043089.D	10		10/09/25 15:31	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
------------	-----------	---------------	----------------	-----------	-----	------------

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043089.D
 Acq On : 09 Oct 2025 15:31
 Operator : SY/MD
 Sample : Q3320-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:16:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	191613	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	543620	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	535675	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 428380 11.101 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.000%

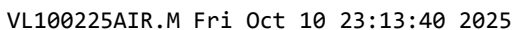
Target Compounds

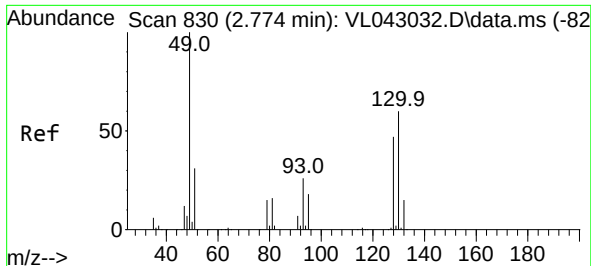
						Qvalue
3) Chlorodifluoromethane	1.470	51	4716m	0.151	ppbv	
10) Heptane	4.952	43	12547m	0.405	ppbv	
11) Trichlorofluoromethane	1.868	101	214597	6.466	ppbv	98
13) Ethanol	1.712	45	14604	30.723	ppbv	91
15) Acetone	1.826	43	162252	6.048	ppbv	95
19) Isopropyl Alcohol	1.877	45	9785	0.761	ppbv #	1
20) Methylene Chloride	2.052	84	4187	0.358	ppbv	86
26) Hexane	2.813	57	73032	2.821	ppbv #	34
27) Carbon Disulfide	2.140	76	22478	0.735	ppbv #	27
29) Chloroform	2.832	83	24206	0.548	ppbv	94
30) Cyclohexane	3.839	84	2369m	0.111	ppbv	
32) 1,1,1-Trichloroethane	3.353	97	20342	0.474	ppbv	97
34) 2-Butanone	2.547	43	18507	0.502	ppbv	97
36) Benzene	3.641	78	6683m	0.129	ppbv	
38) Trichloroethene	4.525	130	3123349	144.359	ppbv	98
41) Tetrahydrofuran	3.049	42	4223m	0.222	ppbv	
51) 2-Hexanone	7.419	43	17534m	0.548	ppbv	
52) Tetrachloroethene	8.208	164	1610637	83.752	ppbv	98
53) Toluene	6.907	91	37614	0.717	ppbv	97
58) Ethyl Benzene	9.338	91	11436	0.138	ppbv	98
59) m/p-Xylene	9.513	91	25768	0.368	ppbv	99
60) o-Xylene	9.943	91	17164	0.246	ppbv	93

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

Manual Integrations

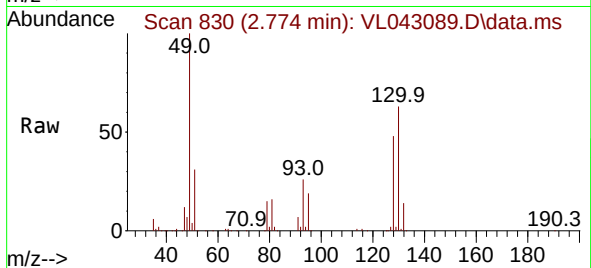
Quant Time: Oct 09 22:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 830
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

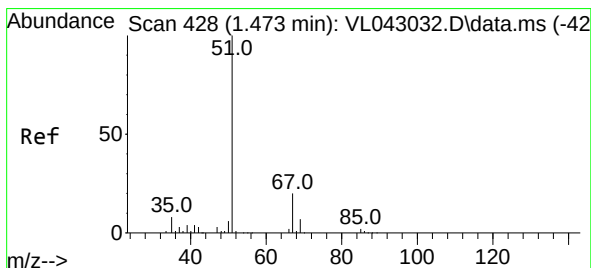
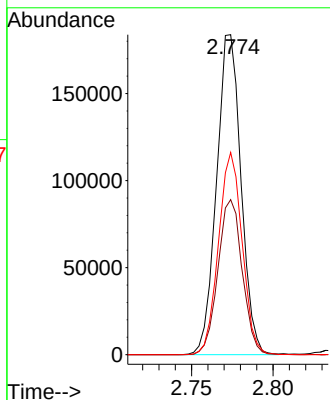
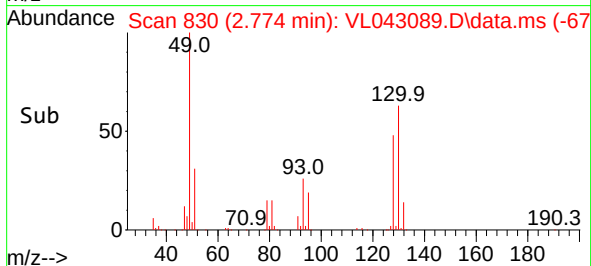
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 19161
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 61.1 31.4 94.3

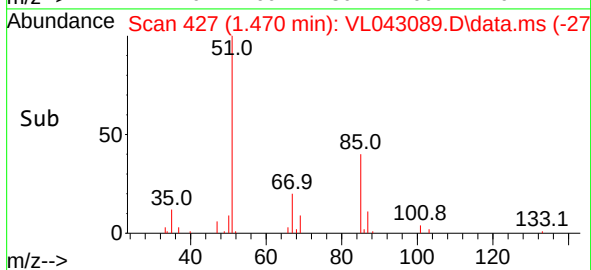
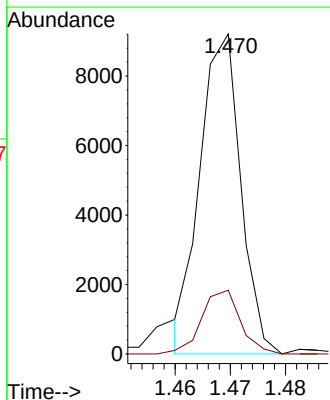
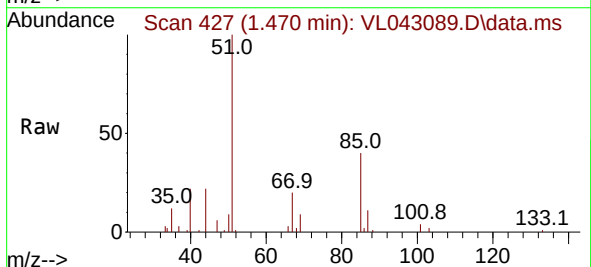
Manual Integrations
APPROVED

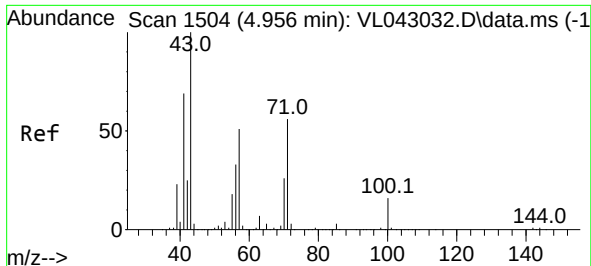
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#3
Chlorodifluoromethane
Concen: 0.151 ppbv m
RT: 1.470 min Scan# 427
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 51 Resp: 4716
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7





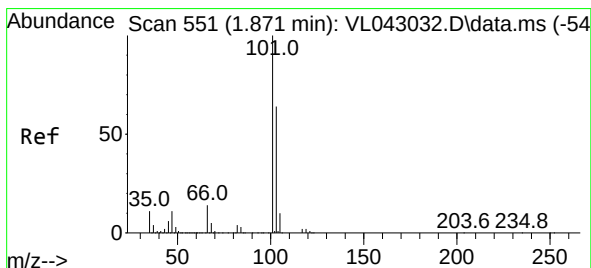
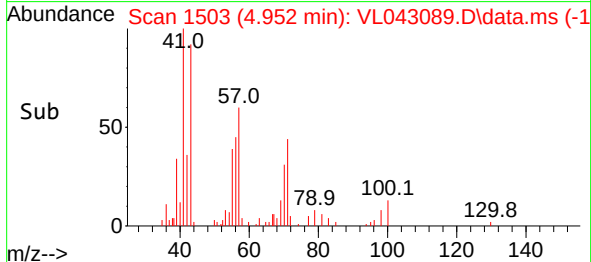
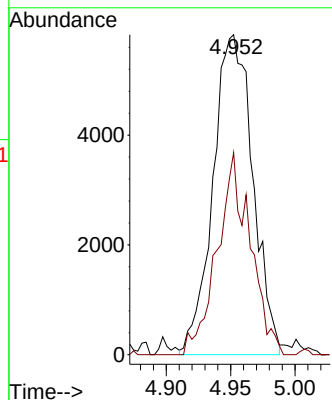
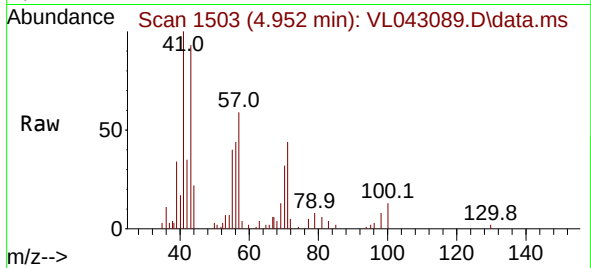
#10
Heptane
Concen: 0.405 ppbv m
RT: 4.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
57 52.4 40.3 60.5

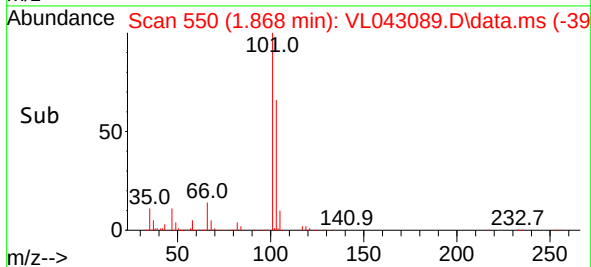
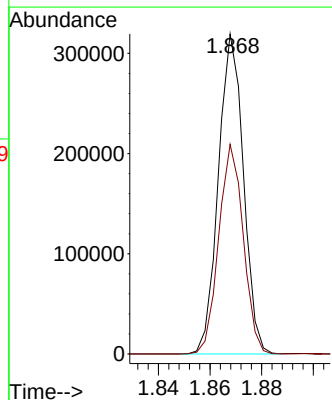
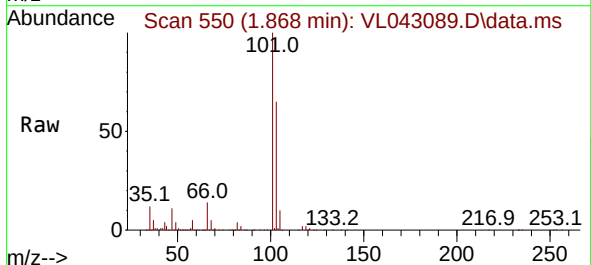
Manual Integrations
APPROVED

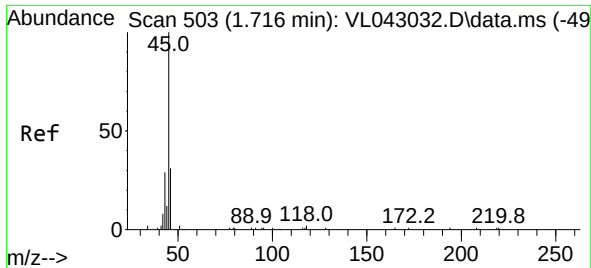
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 6.466 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion:101 Resp: 214597
Ion Ratio Lower Upper
101 100
103 65.5 51.1 76.7





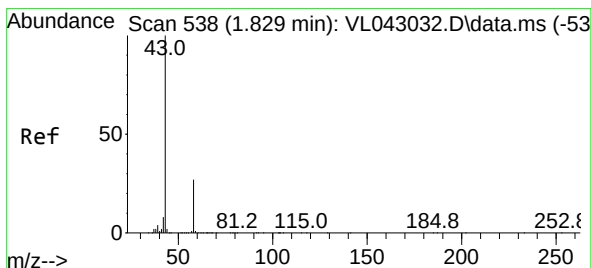
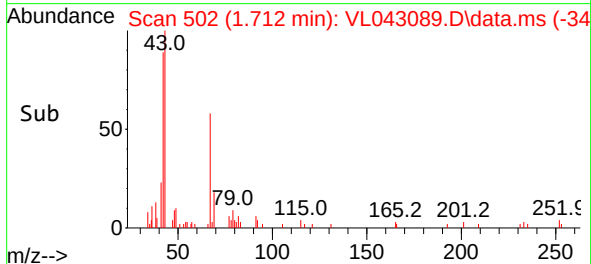
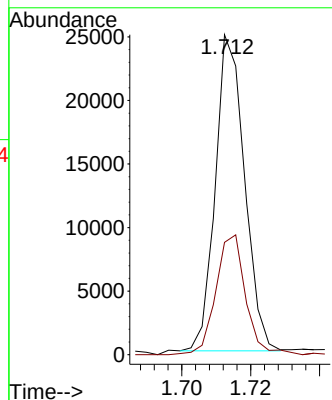
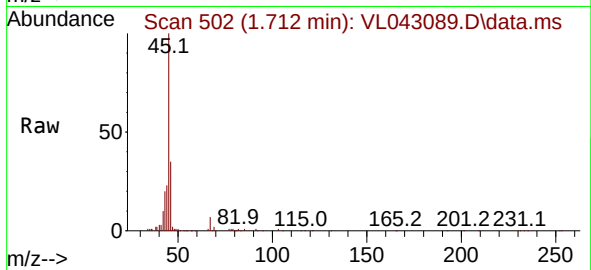
#13
Ethanol
Concen: 30.723 ppbv
RT: 1.712 min Scan# 503
Delta R.T. -0.004 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 14604
Ion Ratio Lower Upper
45 100
46 38.9 17.8 71.4

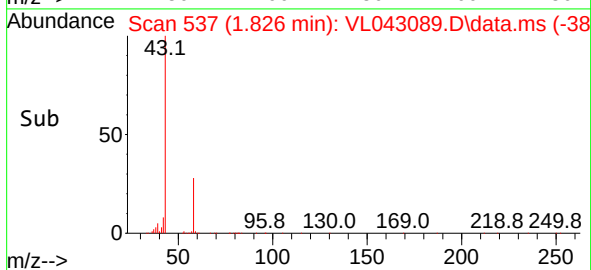
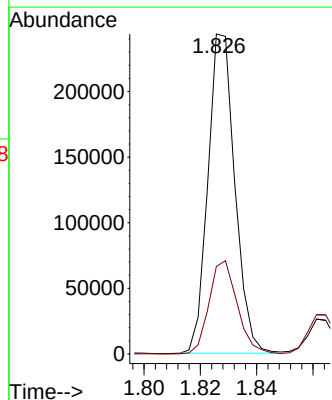
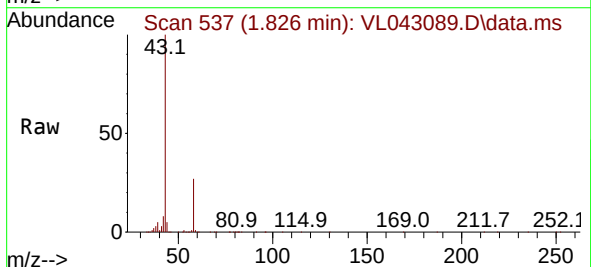
Manual Integrations
APPROVED

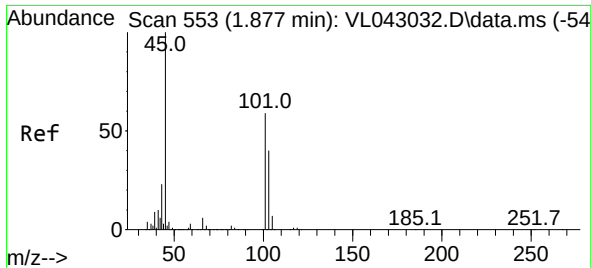
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#15
Acetone
Concen: 6.048 ppbv
RT: 1.826 min Scan# 537
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 43 Resp: 162252
Ion Ratio Lower Upper
43 100
58 30.5 22.2 33.4





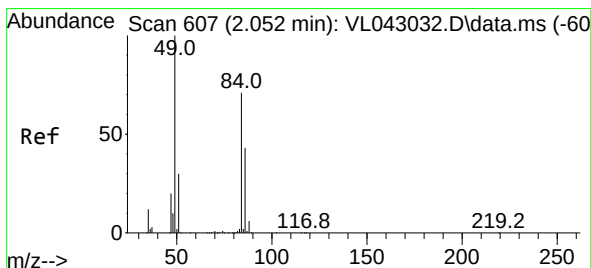
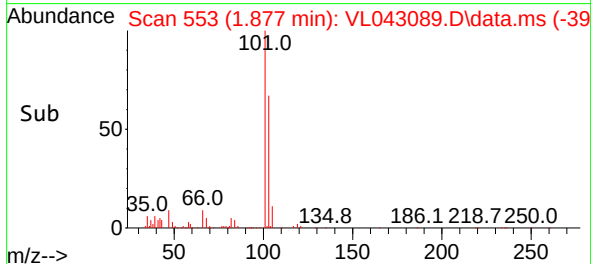
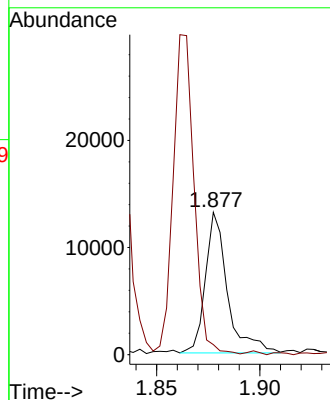
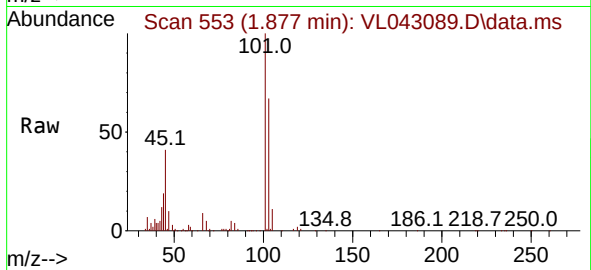
#19
Isopropyl Alcohol
Concen: 0.761 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 978
Ion Ratio Lower Upper
45 100
58 216.6 42.3 63.5

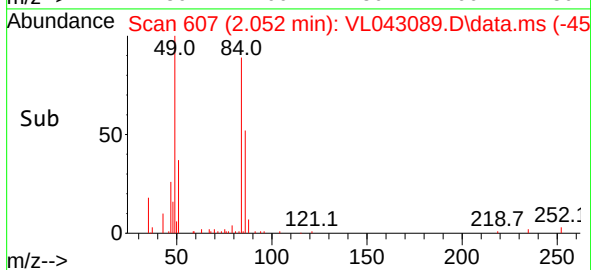
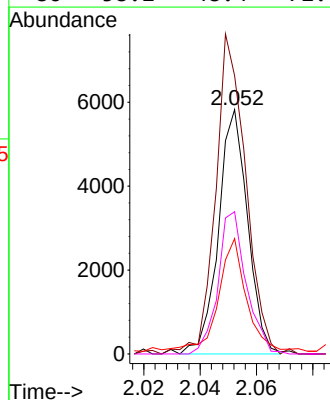
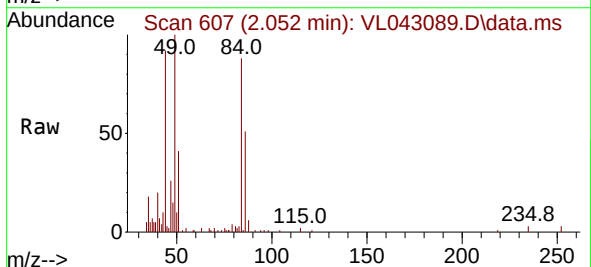
Manual Integrations
APPROVED

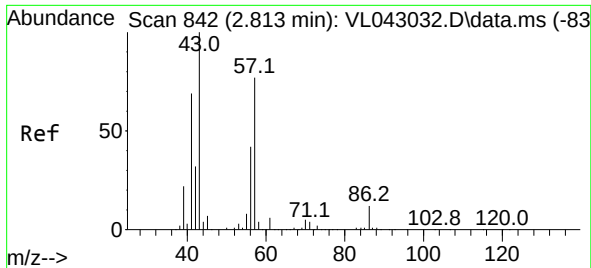
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

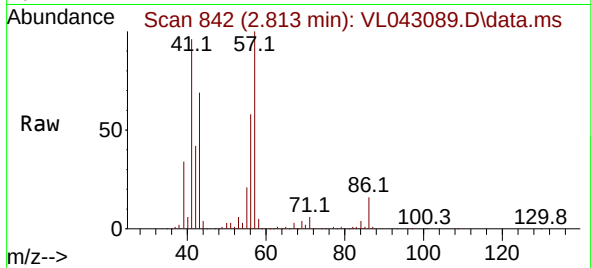
Tgt Ion: 84 Resp: 4187
Ion Ratio Lower Upper
84 100
49 113.9 112.5 168.7
51 44.5 34.2 51.2
86 58.2 48.4 72.6





#26
Hexane
Concen: 2.821 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

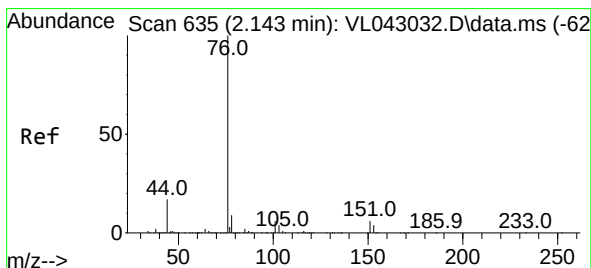
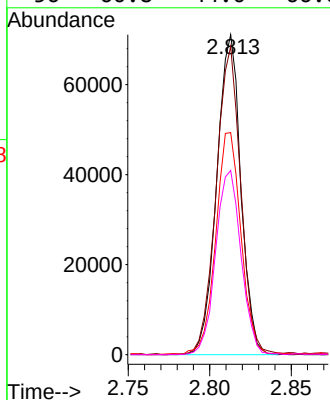
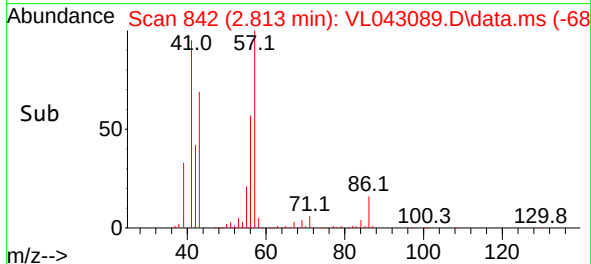
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 73032
Ion Ratio Lower Upper
57 100
41 99.7 76.1 114.1
43 73.7 201.4 302.0
56 60.8 44.0 66.0

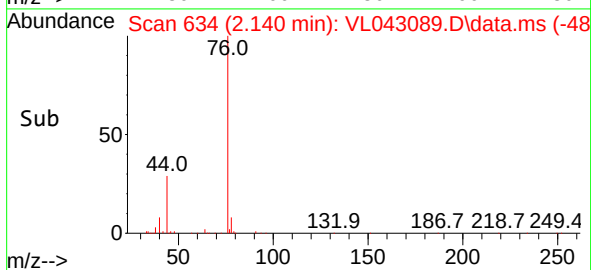
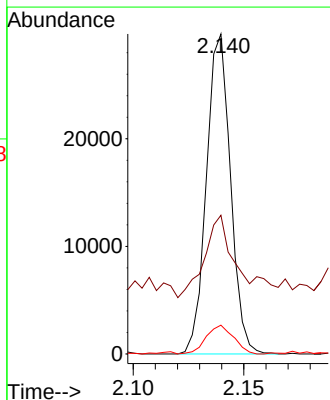
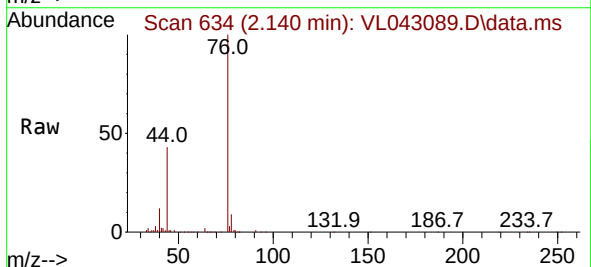
Manual Integrations
APPROVED

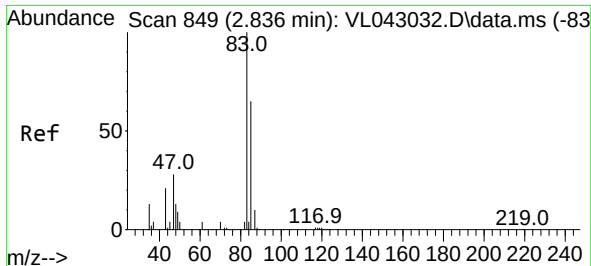
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#27
Carbon Disulfide
Concen: 0.735 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 76 Resp: 22478
Ion Ratio Lower Upper
76 100
44 70.0 14.0 21.0#
78 10.9 9.4 14.0





#29

Chloroform

Concen: 0.548 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 24200

Ion Ratio Lower Upper

83 100

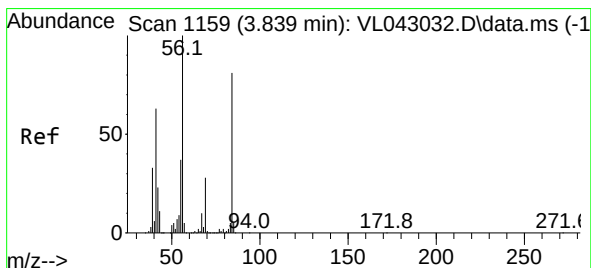
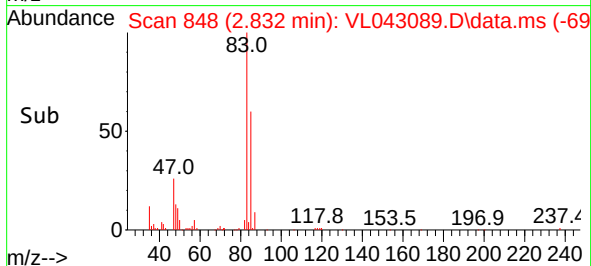
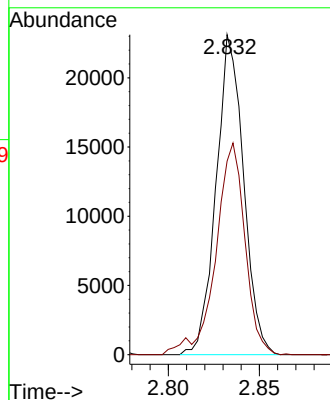
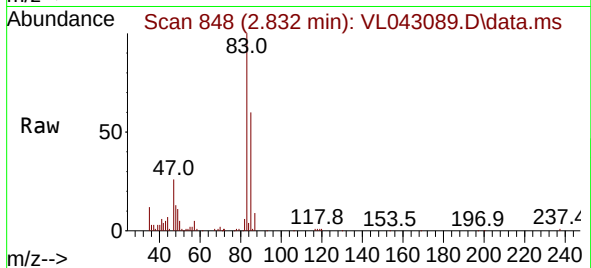
85 60.5 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 0.111 ppbv m

RT: 3.839 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

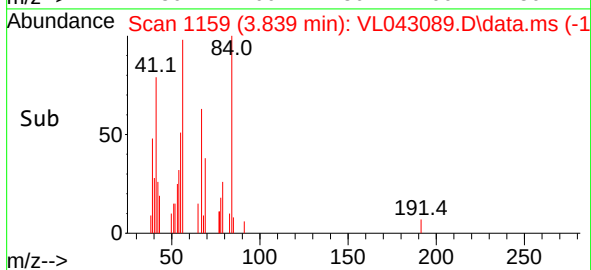
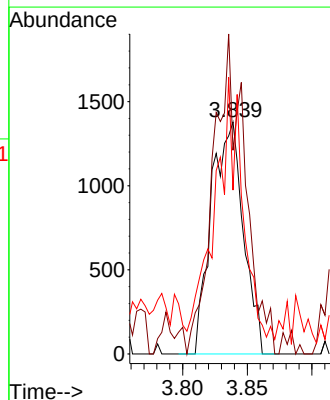
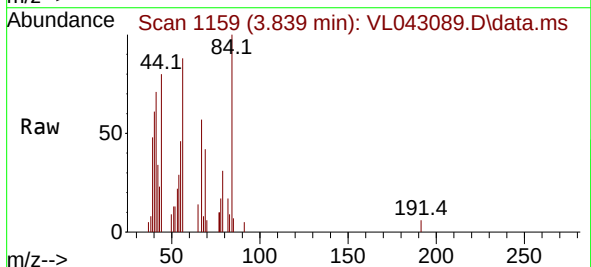
Tgt Ion: 84 Resp: 2369

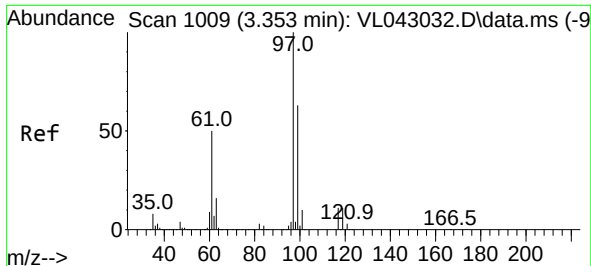
Ion Ratio Lower Upper

84 100

56 147.3 99.9 149.9

41 111.2 64.2 96.4#





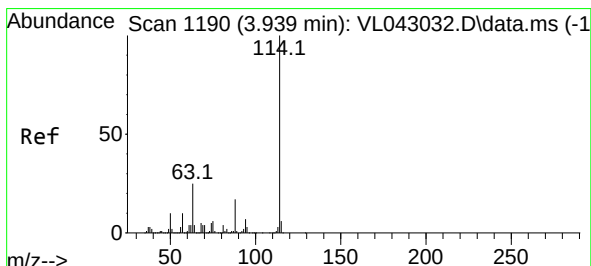
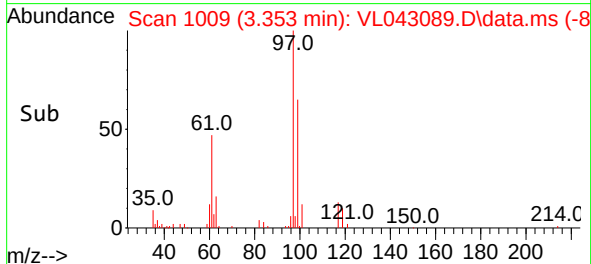
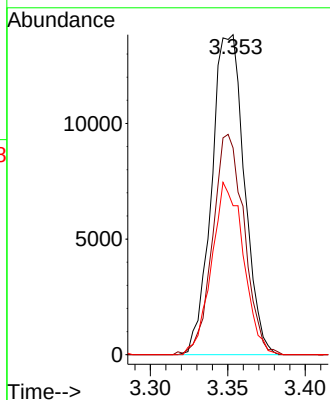
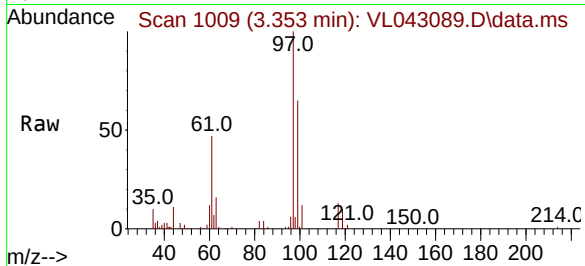
#32
1,1,1-Trichloroethane
Concen: 0.474 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 97 Resp: 2034
Ion Ratio Lower Upper
97 100
99 66.1 51.2 76.8
61 52.3 40.1 60.1

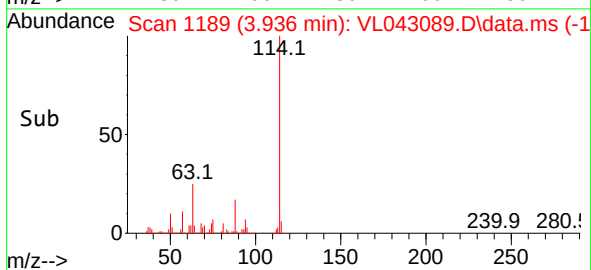
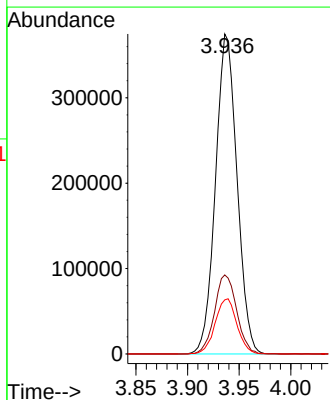
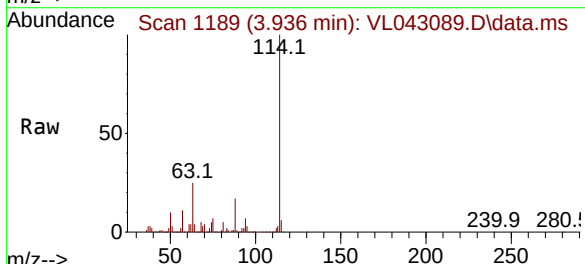
Manual Integrations
APPROVED

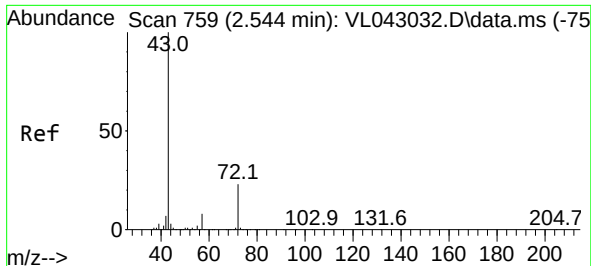
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

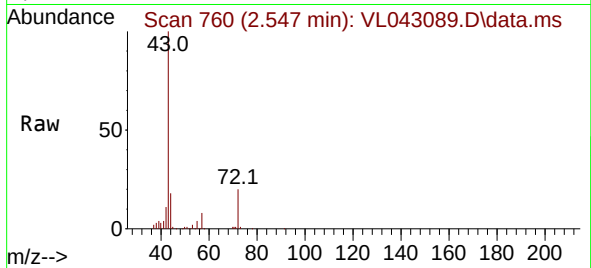
Tgt Ion:114 Resp: 543620
Ion Ratio Lower Upper
114 100
63 25.5 19.4 29.2
88 17.5 13.9 20.9





#34
2-Butanone
Concen: 0.502 ppbv
RT: 2.547 min Scan# 759
Delta R.T. 0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

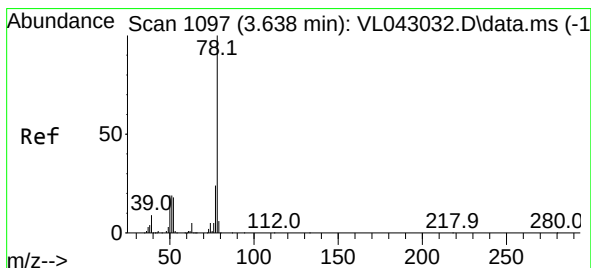
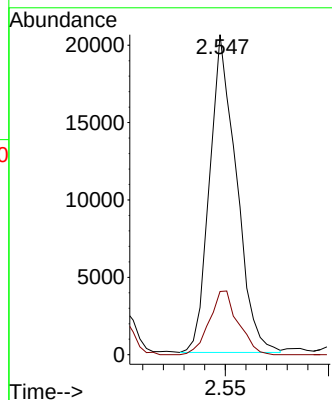
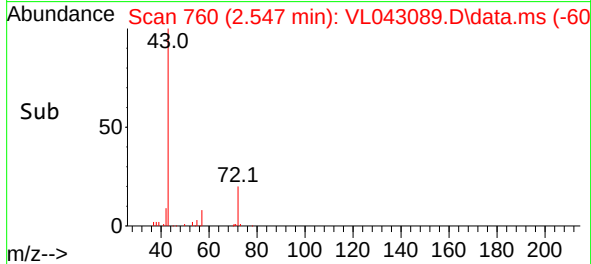
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
72 21.5 18.4 27.6

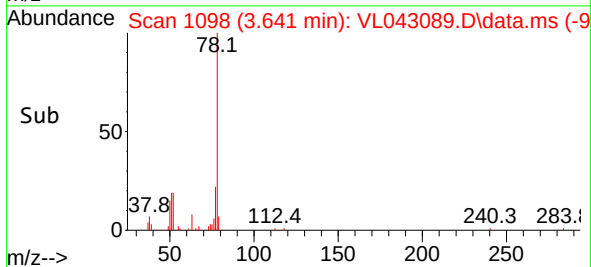
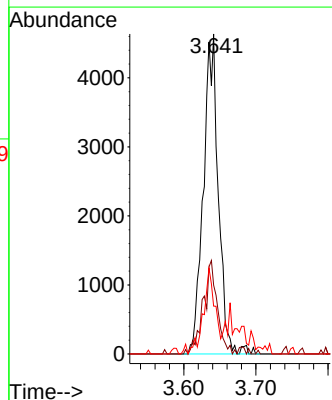
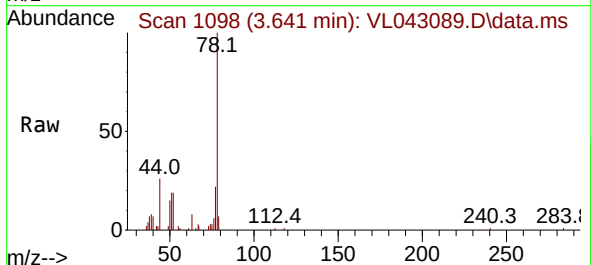
Manual Integrations
APPROVED

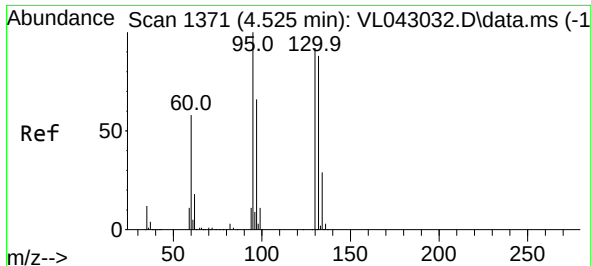
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
Benzene
Concen: 0.129 ppbv m
RT: 3.641 min Scan# 1098
Delta R.T. 0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

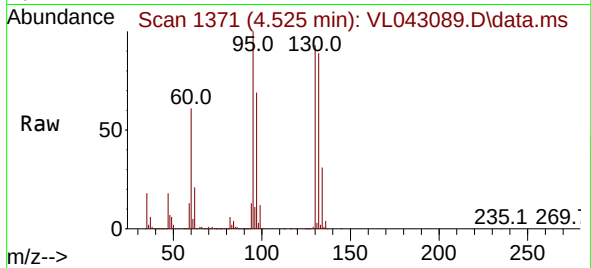
Tgt Ion: 78 Resp: 6683
Ion Ratio Lower Upper
78 100
77 21.5 19.2 28.8
50 15.0 14.9 22.3





#38
Trichloroethene
Concen: 144.359 ppbv
RT: 4.525 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

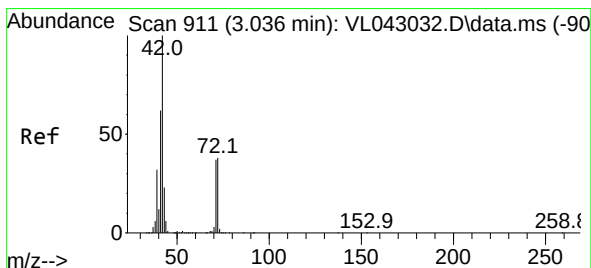
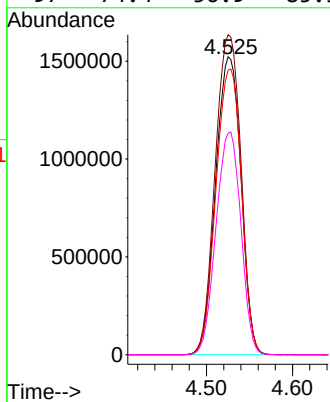
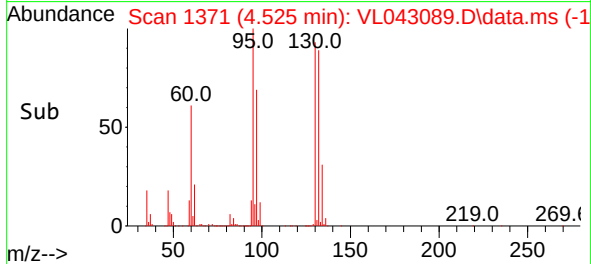
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:130 Resp: 3123349
Ion Ratio Lower Upper
130 100
95 107.4 86.4 129.6
132 95.5 75.7 113.5
97 74.4 56.9 85.3

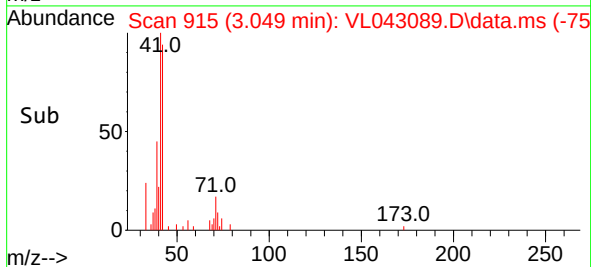
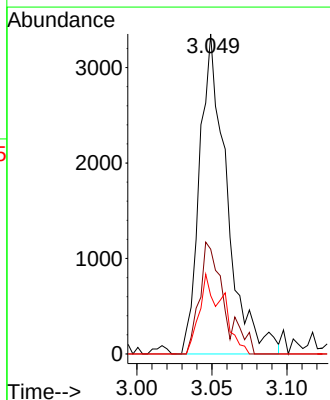
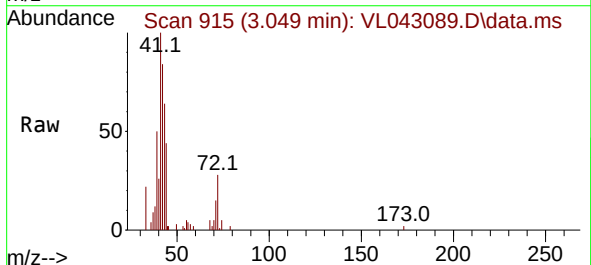
Manual Integrations
APPROVED

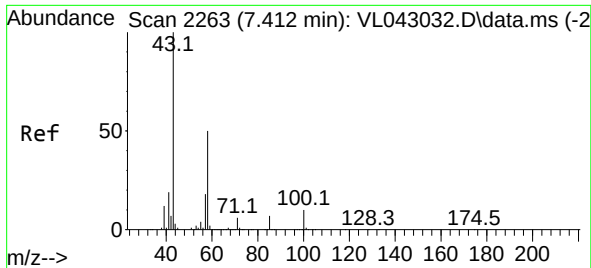
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#41
Tetrahydrofuran
Concen: 0.222 ppbv m
RT: 3.049 min Scan# 915
Delta R.T. 0.013 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

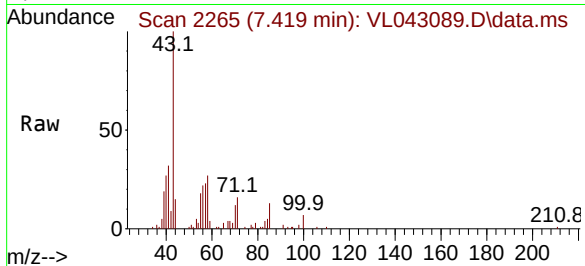
Tgt Ion: 42 Resp: 4223
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.6#
71 0.0 29.8 44.6#





#51
2-Hexanone
Concen: 0.548 ppbv m
RT: 7.419 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

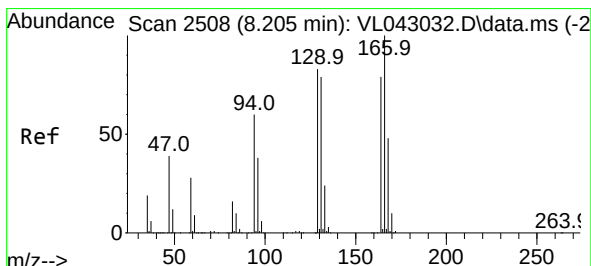
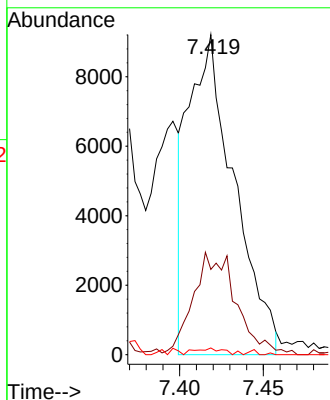
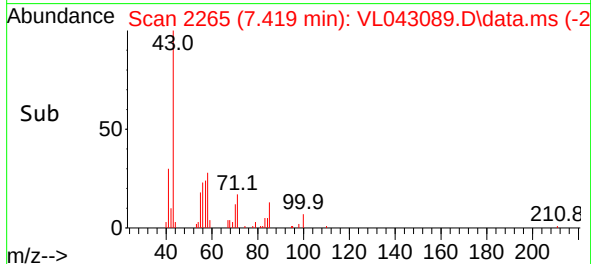
Instrument :
MSVOA_L
ClientSampleId :
SV1



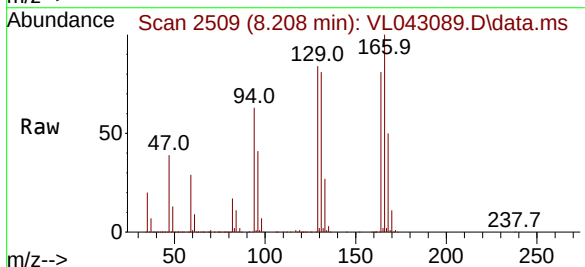
Tgt Ion: 43 Resp: 17534
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.5 0.7

Manual Integrations
APPROVED

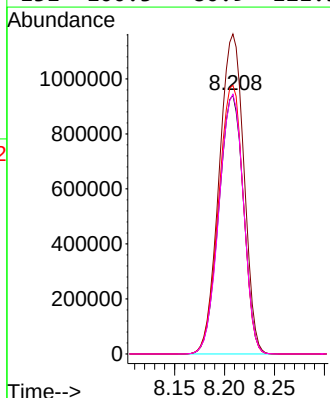
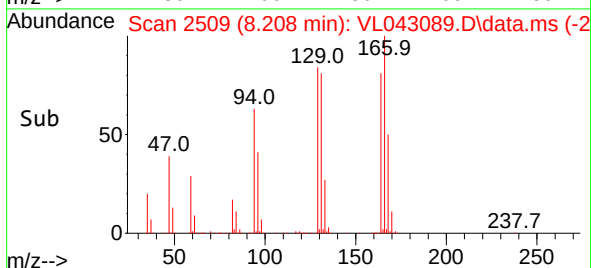
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

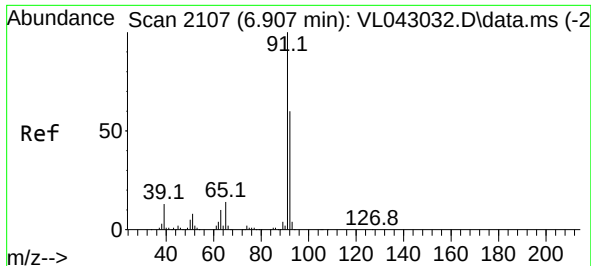


#52
Tetrachloroethene
Concen: 83.752 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. 0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31



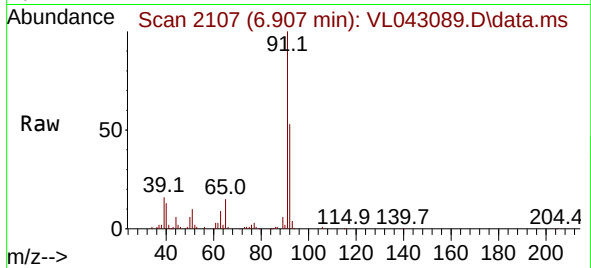
Tgt Ion:164 Resp: 1610637
Ion Ratio Lower Upper
164 100
166 123.6 101.8 152.8
129 103.8 84.5 126.7
131 100.3 80.9 121.3





#53
Toluene
Concen: 0.717 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

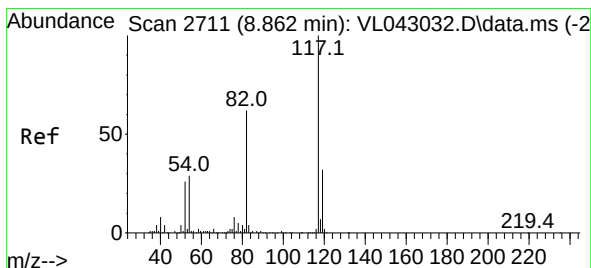
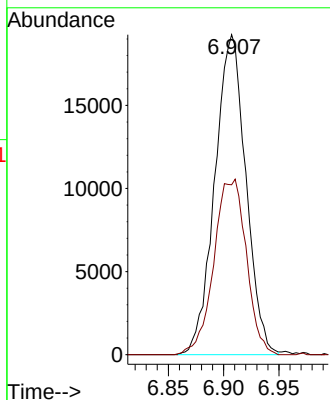
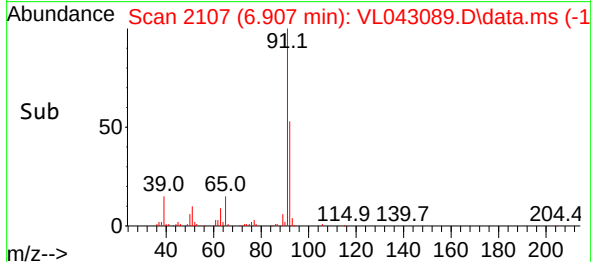
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 37614
Ion Ratio Lower Upper
91 100
92 57.3 47.8 71.6

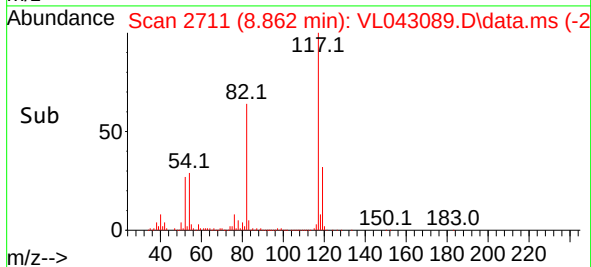
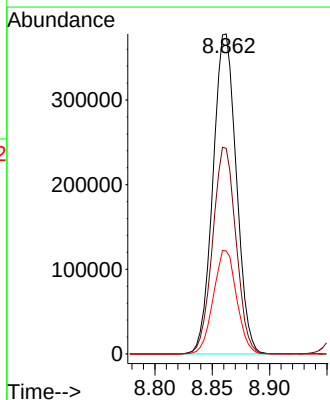
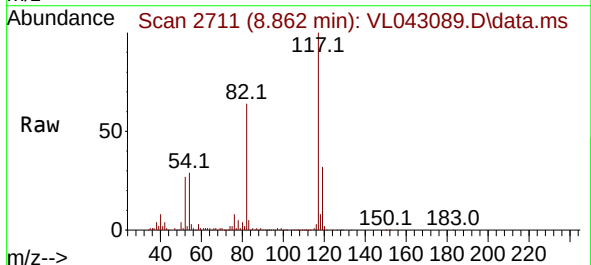
Manual Integrations
APPROVED

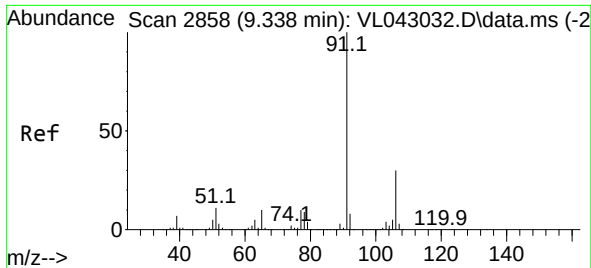
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion:117 Resp: 535675
Ion Ratio Lower Upper
117 100
82 64.7 53.0 79.6
119 32.2 25.4 38.2





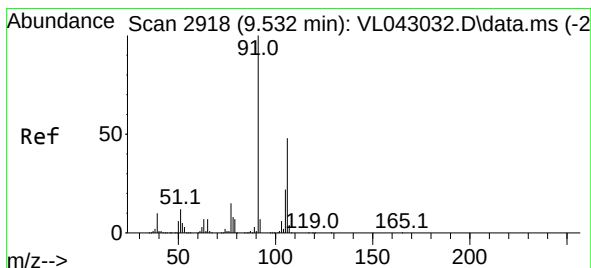
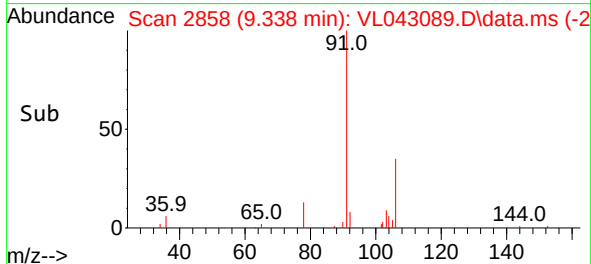
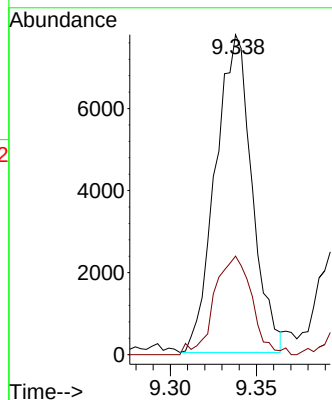
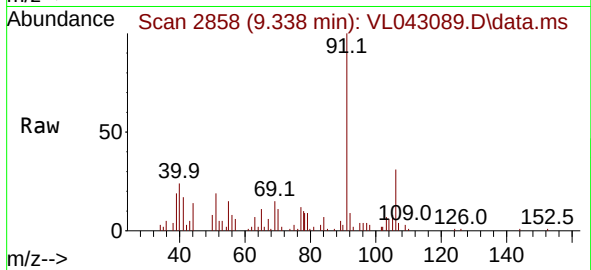
#58
Ethyl Benzene
Concen: 0.138 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 11430
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

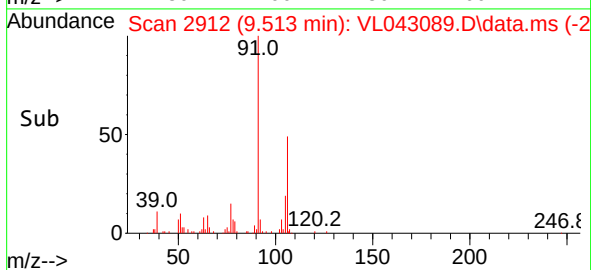
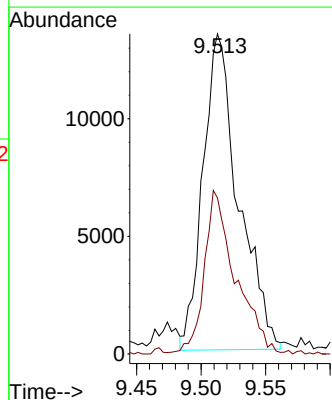
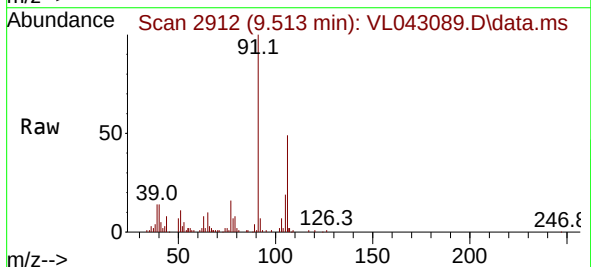
Manual Integrations
APPROVED

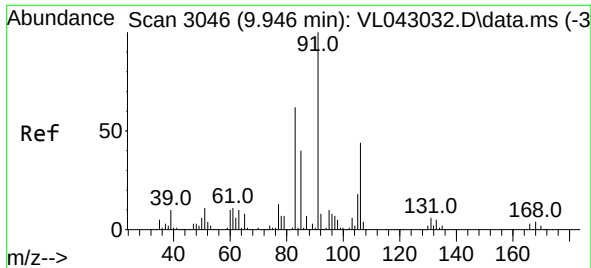
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 0.368 ppbv
RT: 9.513 min Scan# 2912
Delta R.T. -0.019 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

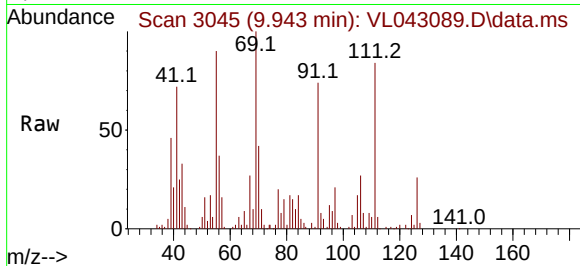
Tgt Ion: 91 Resp: 25768
Ion Ratio Lower Upper
91 100
106 46.4 37.5 56.3





#60
o-Xylene
Concen: 0.246 ppbv
RT: 9.943 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

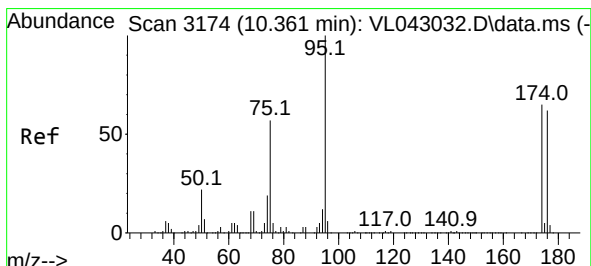
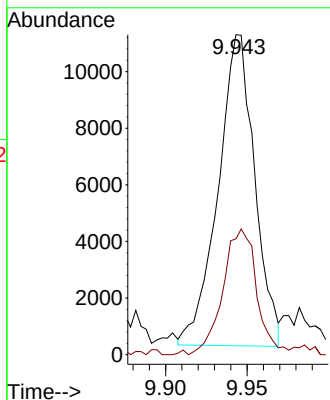
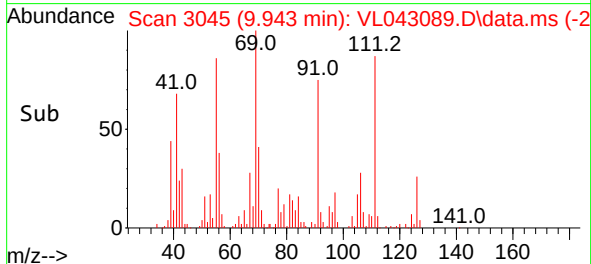
Instrument :
MSVOA_L
ClientSampleId :
SV1



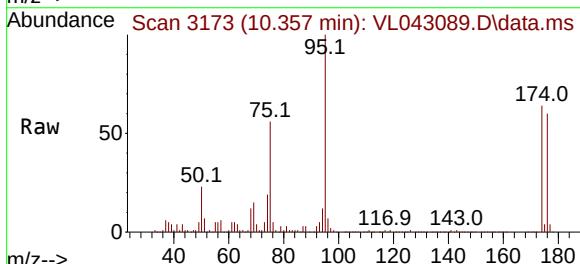
Tgt Ion: 91 Resp: 17164
Ion Ratio Lower Upper
91 100
106 39.0 21.9 65.5

Manual Integrations
APPROVED

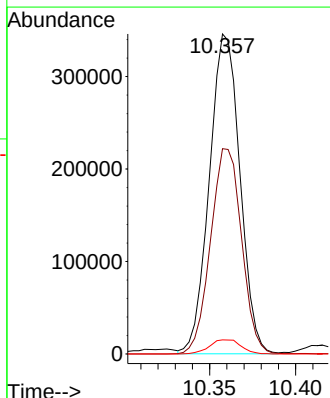
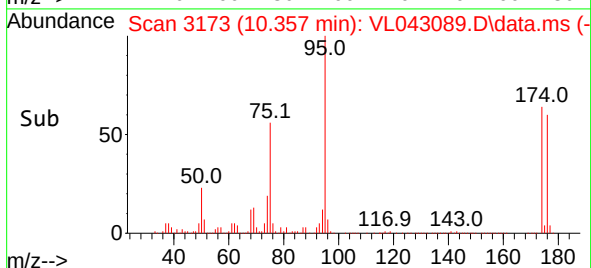
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.101 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31



Tgt Ion: 95 Resp: 428380
Ion Ratio Lower Upper
95 100
174 65.1 52.3 78.5
175 4.6 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043102.D	200		10/10/25 07:46	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	22.0	109	UD	109	494
74-87-3	Chloromethane	19.6	40.5	UD	40.5	207
75-01-4	Vinyl Chloride	5.00	12.8	UD	12.8	15.3
74-83-9	Bromomethane	15.4	59.8	UD	59.8	388
75-00-3	Chloroethane	30.0	79.2	UD	79.2	264
109-99-9	Tetrahydrofuran	16.0	47.2	UD	47.2	295
75-69-4	Trichlorofluoromethane	76.0	427	JD	191	562
76-13-1	1,1,2-Trichlorotrifluoroethane	28.0	215	UD	215	766
76-14-2	Dichlorotetrafluoroethane	30.0	210	UD	210	699
75-65-0	tert-Butyl alcohol	32.0	97.0	UD	97.0	303
142-82-5	Heptane	34.0	139	UD	139	410
75-35-4	1,1-Dichloroethene	30.0	119	UD	119	396
67-64-1	Acetone	36.0	85.5	UD	85.5	238
75-15-0	Carbon Disulfide	16.0	49.8	UD	49.8	311
1634-04-4	Methyl tert-Butyl Ether	46.0	166	UD	166	361
75-09-2	Methylene Chloride	46.0	160	UD	160	347
156-60-5	trans-1,2-Dichloroethene	24.0	95.2	UD	95.2	396
75-34-3	1,1-Dichloroethane	26.0	105	UD	105	405
110-82-7	Cyclohexane	44.0	151	UD	151	344
78-93-3	2-Butanone	11.2	33.0	UD	33.0	295
56-23-5	Carbon Tetrachloride	5.00	31.4	UD	31.4	37.7
156-59-2	cis-1,2-Dichloroethene	19.8	78.5	UD	78.5	396
67-66-3	Chloroform	19.2	93.8	UD	93.8	488
71-55-6	1,1,1-Trichloroethane	3.20	17.5	UD	17.5	32.7
540-84-1	2,2,4-Trimethylpentane	28.0	131	UD	131	467
71-43-2	Benzene	15.8	50.5	UD	50.5	319
107-06-2	1,2-Dichloroethane	18.6	75.3	UD	75.3	405
79-01-6	Trichloroethene	1600	8600	D	25.8	32.3
78-87-5	1,2-Dichloropropane	26.0	120	UD	120	462
75-27-4	Bromodichloromethane	12.6	84.4	UD	84.4	670
108-10-1	4-Methyl-2-Pentanone	19.4	79.5	UD	79.5	410
108-88-3	Toluene	32.0	121	UD	121	377
10061-02-6	t-1,3-Dichloropropene	30.0	136	UD	136	454
10061-01-5	cis-1,3-Dichloropropene	22.0	99.9	UD	99.9	454
79-00-5	1,1,2-Trichloroethane	16.2	88.4	UD	88.4	546

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043102.D	200		10/10/25 07:46	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3	
124-48-1	Dibromochloromethane	17.0	145	UD	145	852	
106-93-4	1,2-Dibromoethane	17.0	131	UD	131	154	
127-18-4	Tetrachloroethene	770	5220	D	20.3	40.7	
108-90-7	Chlorobenzene	15.4	70.9	UD	70.9	461	
100-41-4	Ethyl Benzene	38.0	165	UD	165	434	
179601-23-1	m/p-Xylene	82.0	356	UD	356	869	
95-47-6	o-Xylene	42.0	182	UD	182	434	
100-42-5	Styrene	32.0	136	UD	136	426	
75-25-2	Bromoform	9.60	99.3	UD	99.3	1030	
79-34-5	1,1,2,2-Tetrachloroethane	3.60	24.7	UD	24.7	41.2	
95-49-8	2-Chlorotoluene	34.0	176	UD	176	518	
108-67-8	1,3,5-Trimethylbenzene	36.0	177	UD	177	492	
95-63-6	1,2,4-Trimethylbenzene	36.0	177	UD	177	492	
541-73-1	1,3-Dichlorobenzene	10.8	64.9	UD	64.9	601	
106-46-7	1,4-Dichlorobenzene	26.0	156	UD	156	601	
95-50-1	1,2-Dichlorobenzene	26.0	156	UD	156	601	
120-82-1	1,2,4-Trichlorobenzene	42.0	312	UD	312	742	
87-68-3	Hexachloro-1,3-Butadiene	26.0	277	UD	277	1070	
106-99-0	1,3-Butadiene	10.2	22.6	UD	22.6	221	
91-20-3	Naphthalene	2.60	13.6	UD	13.6	105	
622-96-8	4-Ethyltoluene	42.0	206	UD	206	492	
110-54-3	Hexane	32.0	113	UD	113	352	
107-05-1	Allyl Chloride	22.0	68.9	UD	68.9	313	
123-91-1	1,4-Dioxane	44.0	159	UD	159	360	
80-62-6	Methyl Methacrylate	28.0	115	UD	115	409	
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	11.8			65 - 135	118%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	155000		2.771			
540-36-3	1,4-Difluorobenzene	402000		3.936			
3114-55-4	Chlorobenzene-d5	368000		8.859			

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV1DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043102.D	200		10/10/25 07:46	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043102.D
 Acq On : 10 Oct 2025 07:46
 Operator : SY/MD
 Sample : Q3320-02DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Oct 10 08:19:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

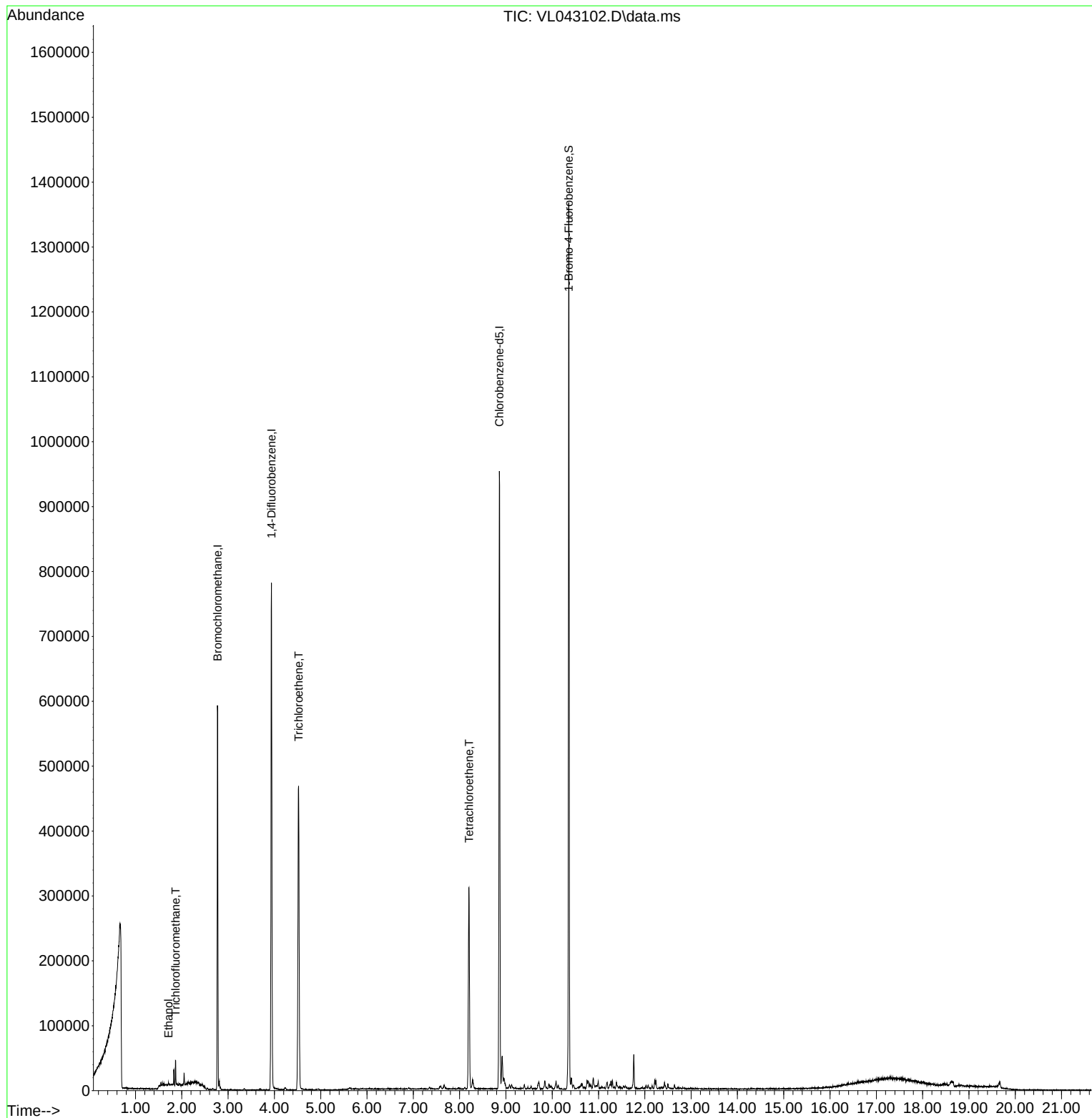
Internal Standards						
1) Bromochloromethane	2.771	49	154952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	402038	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	367716	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	313406	11.831	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.300%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	1.868	101	10100	0.376	ppbv	97
13) Ethanol	1.712	45	969	1.355	ppbv	77
38) Trichloroethene	4.522	130	127016	7.938	ppbv	94
52) Tetrachloroethene	8.202	164	54422	3.826	ppbv	95

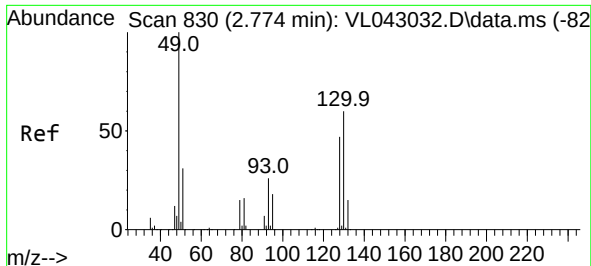
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043102.D
Acq On : 10 Oct 2025 07:46
Operator : SY/MD
Sample : Q3320-02DL 200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Oct 10 08:19:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

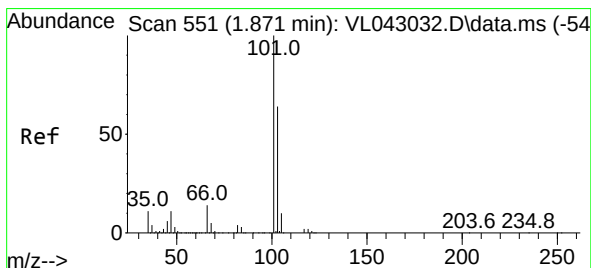
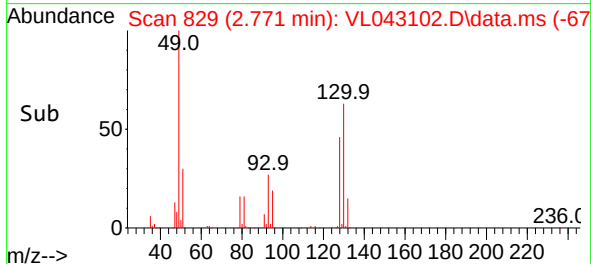
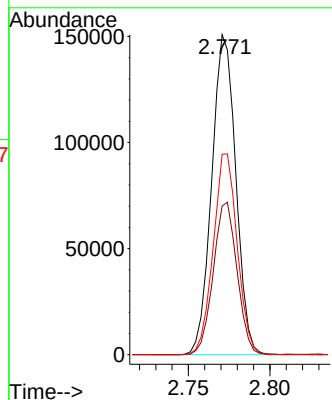
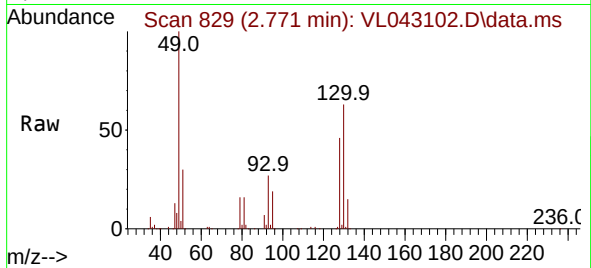




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

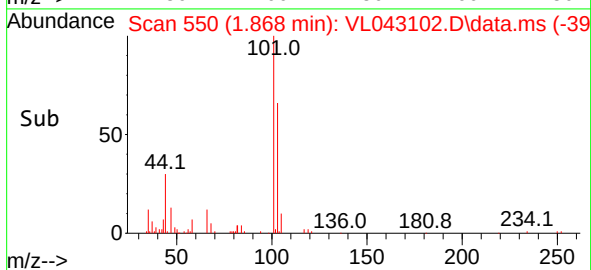
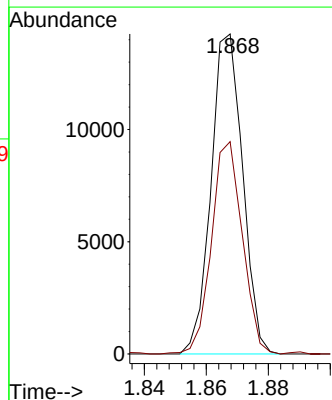
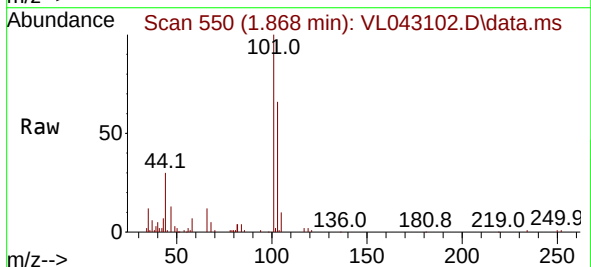
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

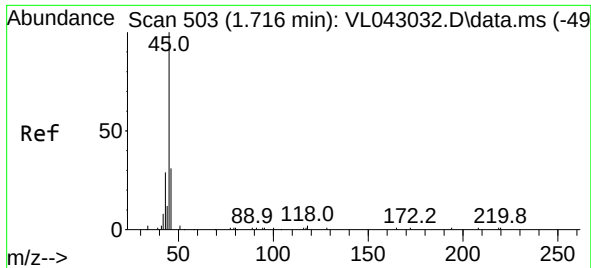
Tgt Ion: 49 Resp: 154952
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.2
130 62.5 31.4 94.3



#11
Trichlorofluoromethane
Concen: 0.376 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

Tgt Ion:101 Resp: 10100
Ion Ratio Lower Upper
101 100
103 66.4 51.1 76.7

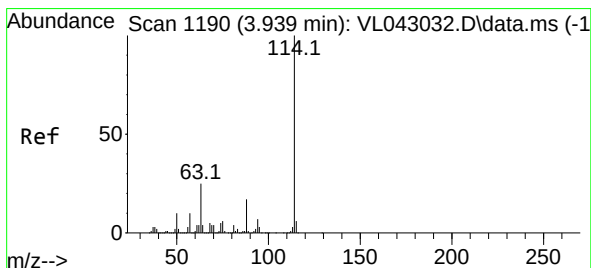
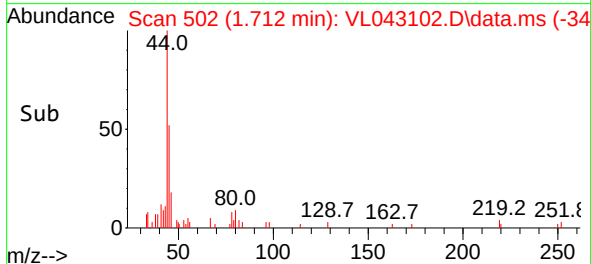
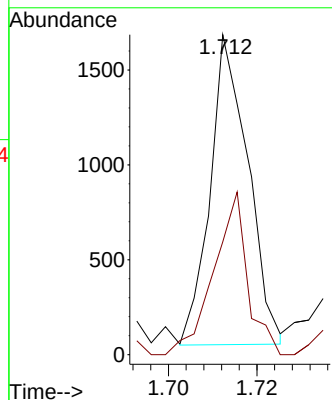
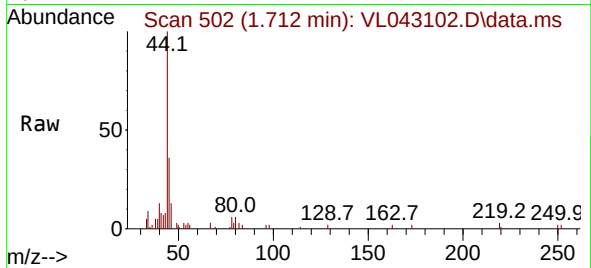




#13
 Ethanol
 Concen: 1.355 ppbv
 RT: 1.712 min Scan# 50
 Delta R.T. -0.004 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

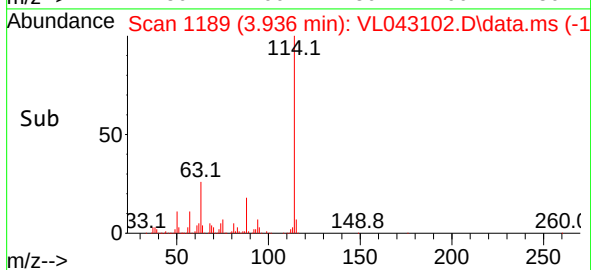
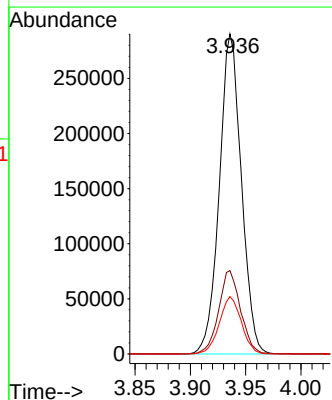
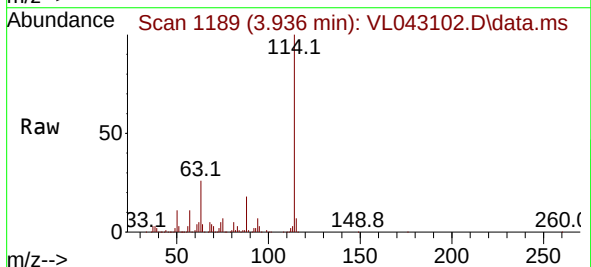
Instrument :
 MSVOA_1
 ClientSampleId :
 SV1DL

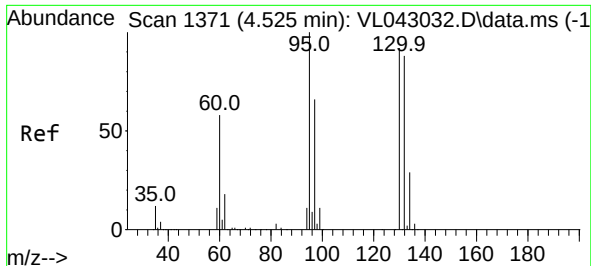
Tgt Ion: 45 Resp: 969
 Ion Ratio Lower Upper
 45 100
 46 59.6 17.8 71.4



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.936 min Scan# 1189
 Delta R.T. -0.003 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

Tgt Ion: 114 Resp: 402038
 Ion Ratio Lower Upper
 114 100
 63 26.0 19.4 29.2
 88 17.9 13.9 20.9





#38

Trichloroethene

Concen: 7.938 ppbv

RT: 4.522 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL043102.D

Acq: 10 Oct 2025 07:46

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:130 Resp: 127016

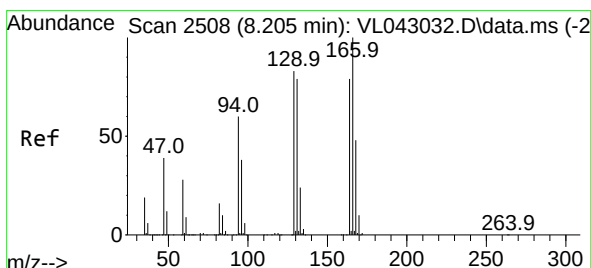
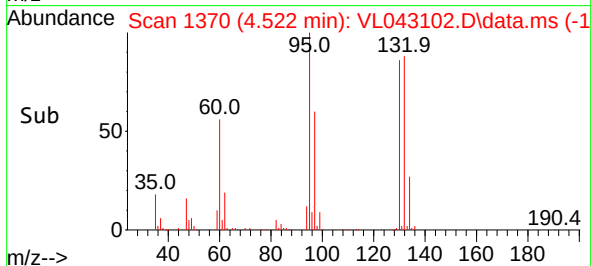
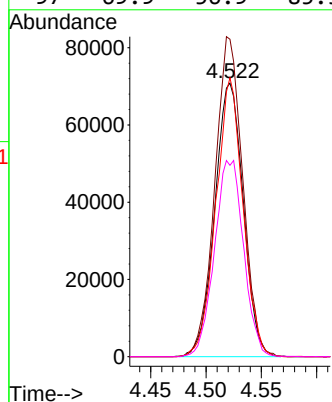
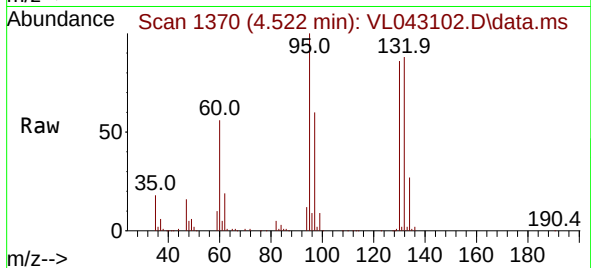
Ion Ratio Lower Upper

130 100

95 115.8 86.4 129.6

132 101.8 75.7 113.5

97 69.9 56.9 85.3



#52

Tetrachloroethene

Concen: 3.826 ppbv

RT: 8.202 min Scan# 2507

Delta R.T. -0.003 min

Lab File: VL043102.D

Acq: 10 Oct 2025 07:46

Tgt Ion:164 Resp: 54422

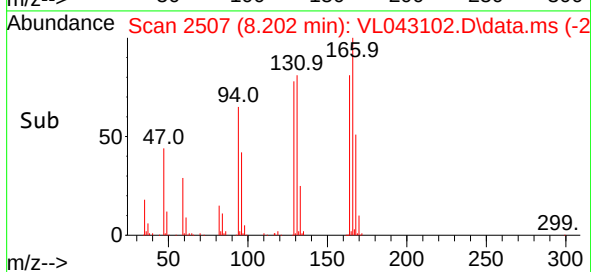
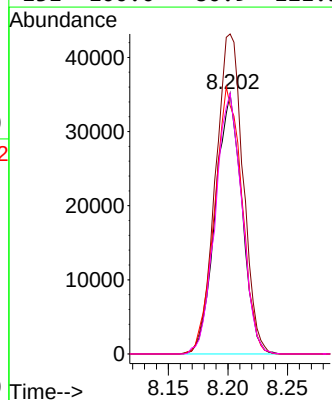
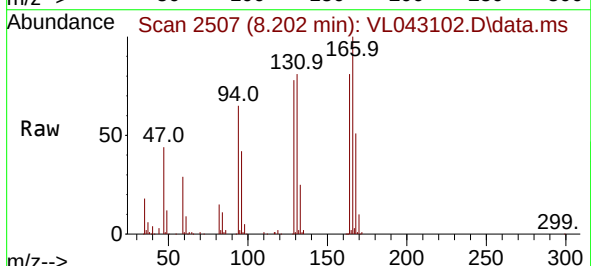
Ion Ratio Lower Upper

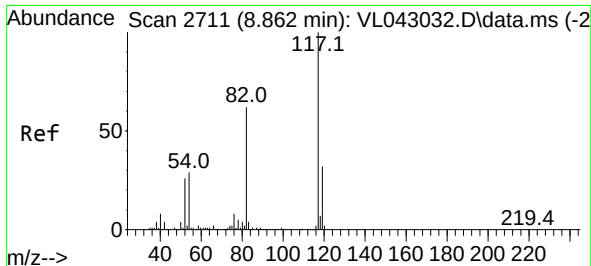
164 100

166 122.9 101.8 152.8

129 95.4 84.5 126.7

131 100.0 80.9 121.3

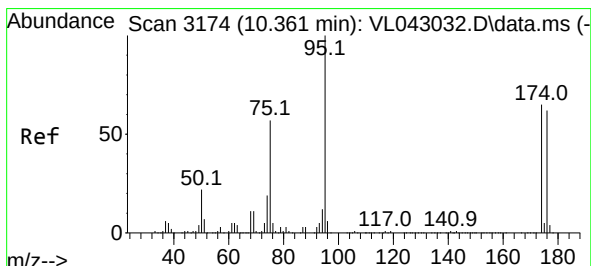
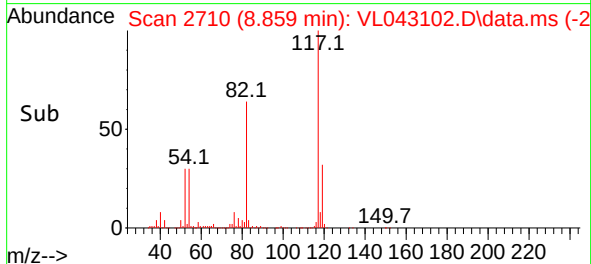
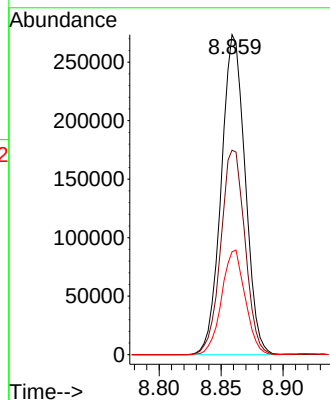
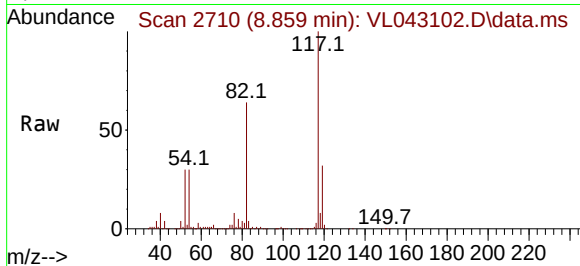




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

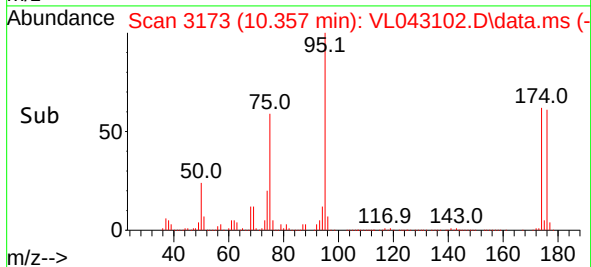
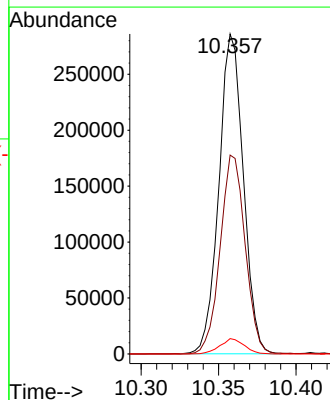
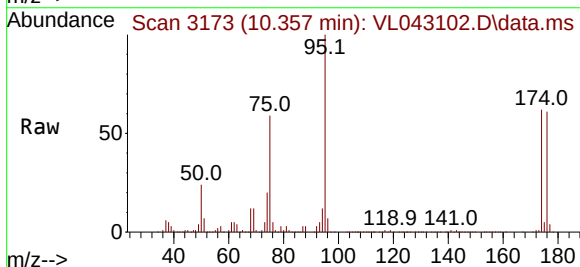
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 367716
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.6
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 11.831 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

Tgt Ion: 95 Resp: 313406
Ion Ratio Lower Upper
95 100
174 63.7 52.3 78.5
175 4.8 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA2	SDG No.:	Q3320
Lab Sample ID:	Q3320-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043085.D	1		10/09/25 13:18	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.42	2.08	J	0.54	2.47
74-87-3	Chloromethane	0.43	0.89	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	3.10	7.36		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.73	2.54		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.22	0.65	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.070	0.44		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.14	0.68	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.050	0.27		0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA2	SDG No.:	Q3320
Lab Sample ID:	Q3320-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043085.D	1		10/09/25 13:18	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.25	1.31		0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.33	1.16	J	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	200000		2.78		
540-36-3	1,4-Difluorobenzene	529000		3.946		
3114-55-4	Chlorobenzene-d5	446000		8.869		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA2	SDG No.:	Q3320
Lab Sample ID:	Q3320-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043085.D	1		10/09/25 13:18	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
------------	-----------	---------------	----------------	-----------	-----	------------

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
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 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043085.D
 Acq On : 09 Oct 2025 13:18
 Operator : SY/MD
 Sample : Q3320-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:14:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

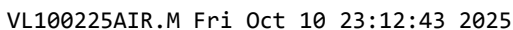
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

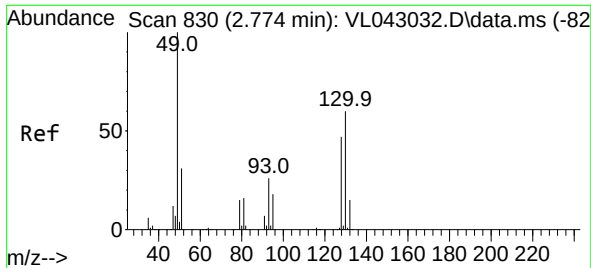
Internal Standards						
1) Bromochloromethane	2.780	49	200129	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	528770	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	446168	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	339557	10.565	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	13995	0.415	ppbv	98
3) Chlorodifluoromethane	1.473	51	9621m	0.295	ppbv	
4) Chloromethane	1.531	50	5235	0.425	ppbv	93
9) Propene	1.486	41	8018	0.609	ppbv #	80
11) Trichlorofluoromethane	1.874	101	7179	0.207	ppbv	88
13) Ethanol	1.716	45	77612	161.519	ppbv	88
15) Acetone	1.832	43	87022	3.106	ppbv	100
19) Isopropyl Alcohol	1.881	45	9896	0.737	ppbv #	1
20) Methylene Chloride	2.055	84	8920	0.729	ppbv	88
26) Hexane	2.819	57	8808	0.326	ppbv #	44
29) Chloroform	2.842	83	6591	0.143	ppbv	99
34) 2-Butanone	2.554	43	7944	0.221	ppbv	96
35) Carbon Tetrachloride	3.751	117	3099m	0.071	ppbv	
38) Trichloroethene	4.538	130	1003m	0.048	ppbv	
79) Naphthalene	13.507	128	1082m	0.254	ppbv	

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

Manual Integrations

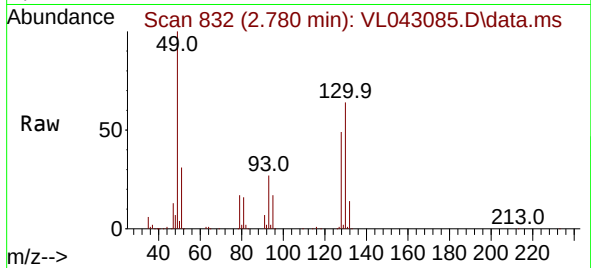
Quant Time: Oct 09 22:14:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

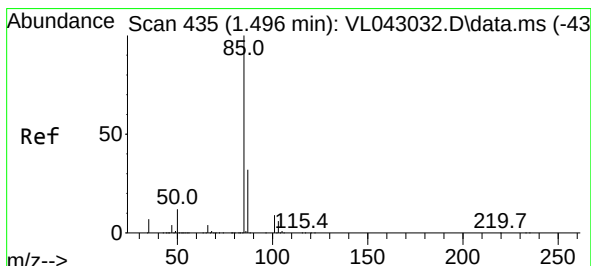
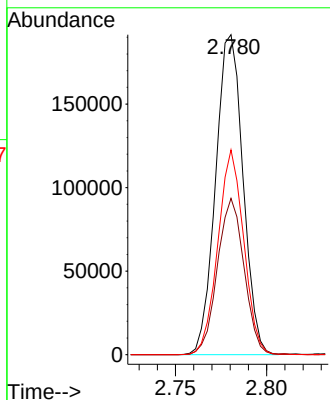
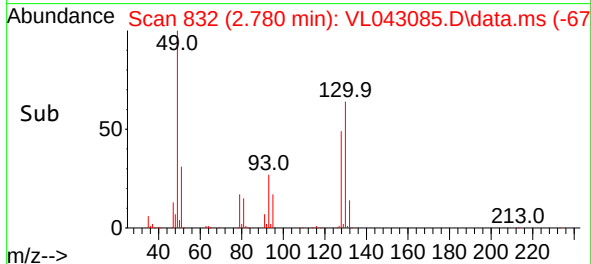
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 200129
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 60.4 31.4 94.3

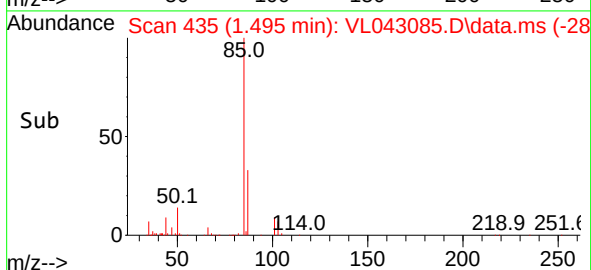
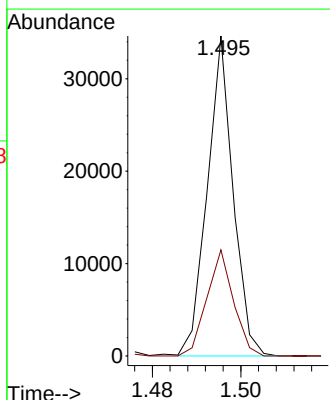
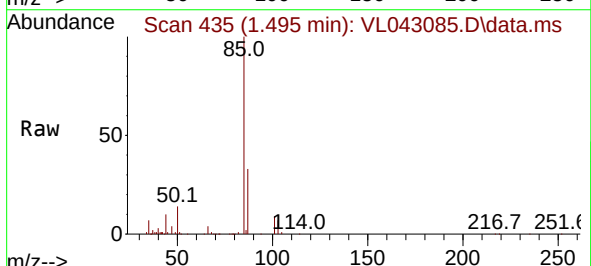
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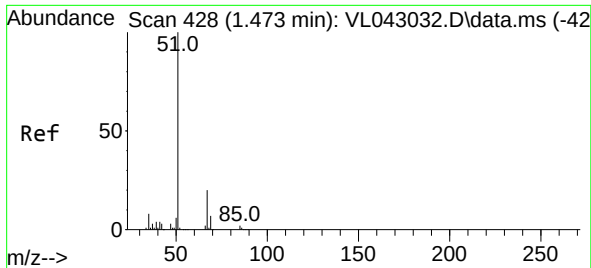
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.415 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

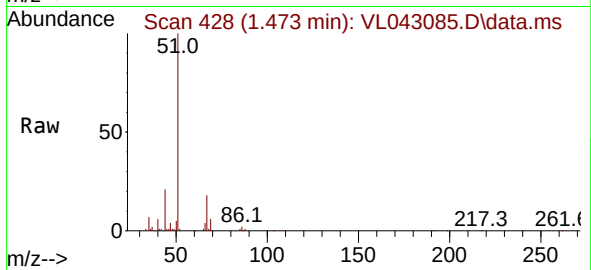
Tgt Ion: 85 Resp: 13995
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6





#3
Chlorodifluoromethane
Concen: 0.295 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

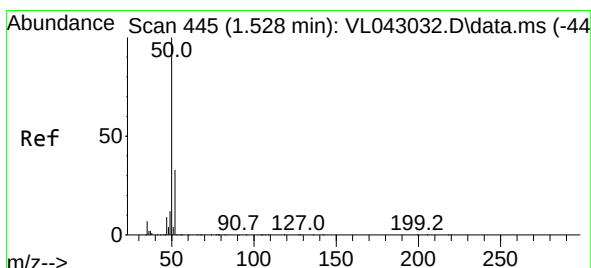
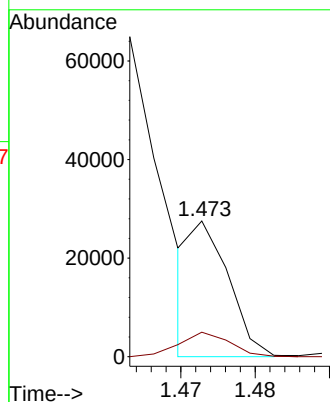
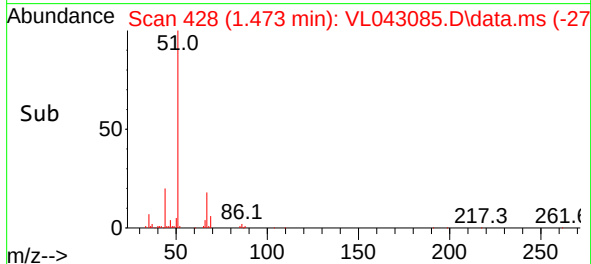
Instrument :
MSVOA_L
ClientSampleId :
IA2



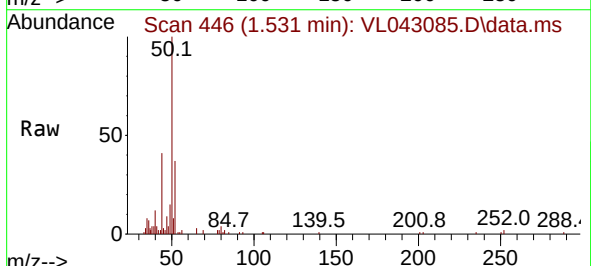
Tgt Ion: 51 Resp: 962
Ion Ratio Lower Upper
51 100
67 24.5 15.1 22.7

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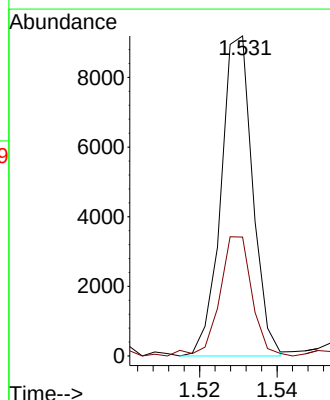
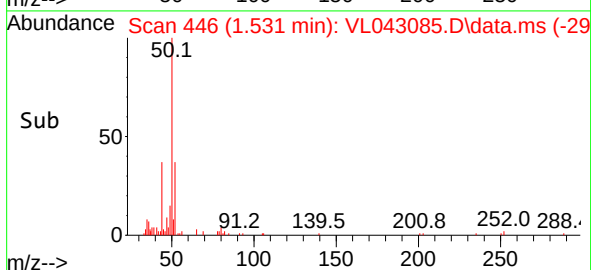
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

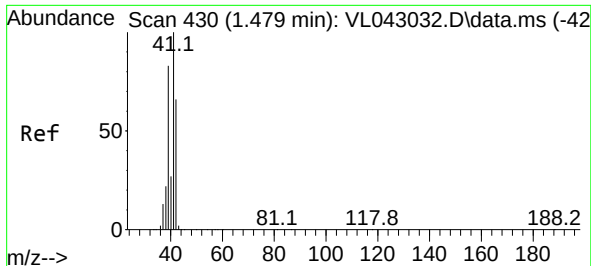


#4
Chloromethane
Concen: 0.425 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18



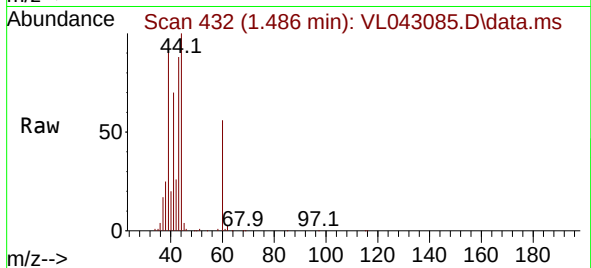
Tgt Ion: 50 Resp: 5235
Ion Ratio Lower Upper
50 100
52 36.8 26.2 39.2





#9
Propene
Concen: 0.609 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

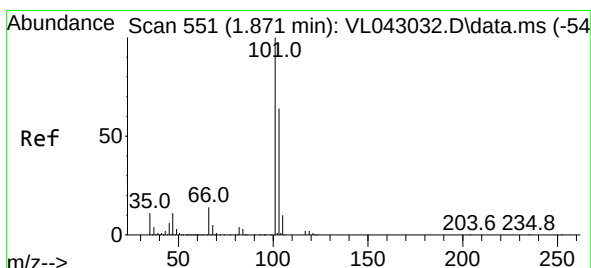
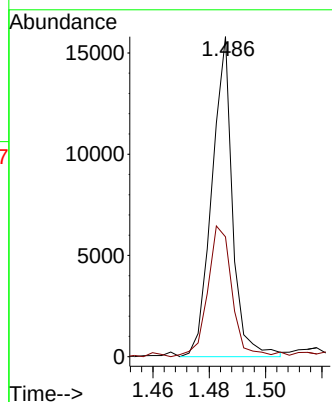
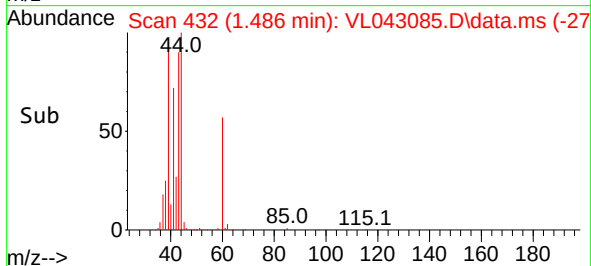
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 41 Resp: 8018
Ion Ratio Lower Upper
41 100
42 50.5 53.3 79.9

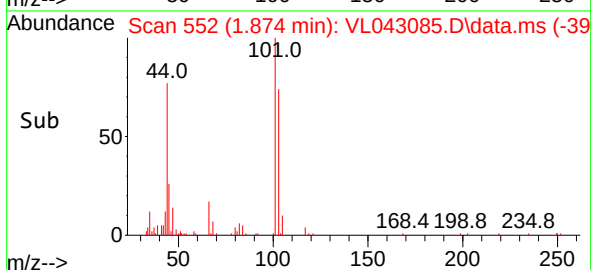
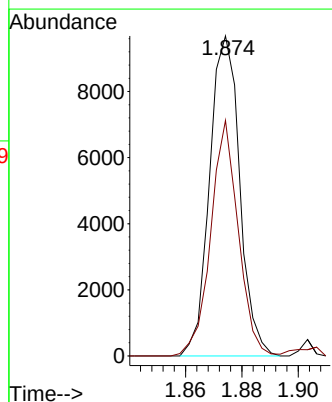
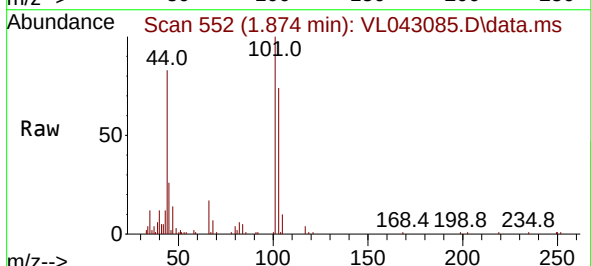
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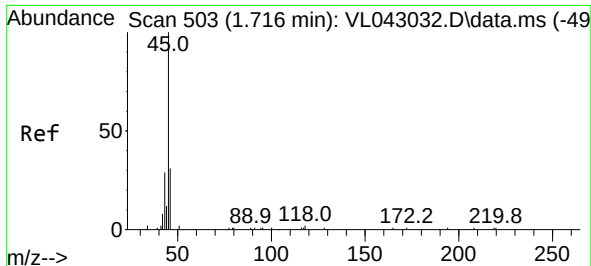
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 1.874 min Scan# 552
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

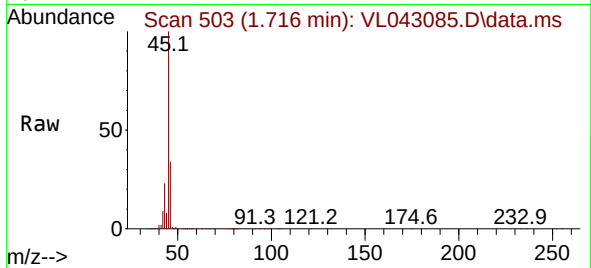
Tgt Ion:101 Resp: 7179
Ion Ratio Lower Upper
101 100
103 73.0 51.1 76.7





#13
Ethanol
Concen: 161.519 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

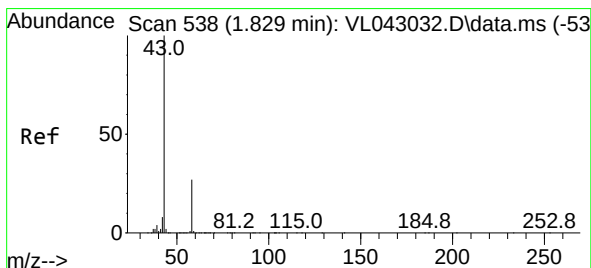
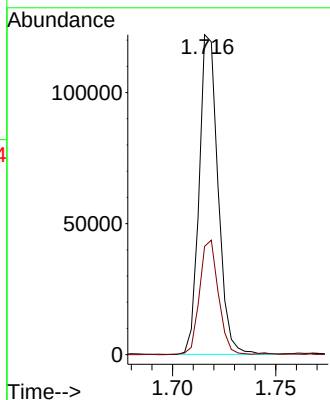
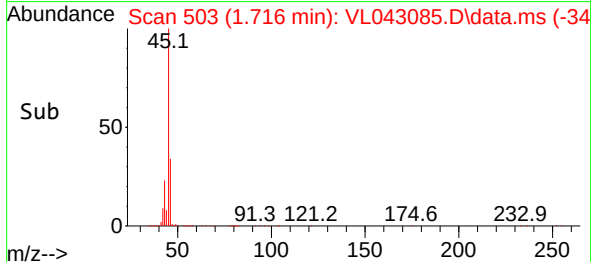
Instrument :
MSVOA_L
ClientSampleId :
IA2



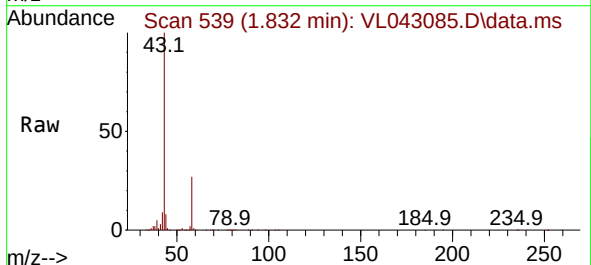
Tgt Ion: 45 Resp: 77612
Ion Ratio Lower Upper
45 100
46 36.6 17.8 71.4

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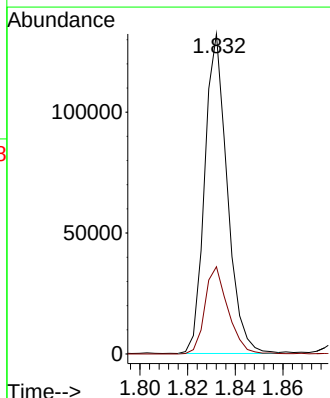
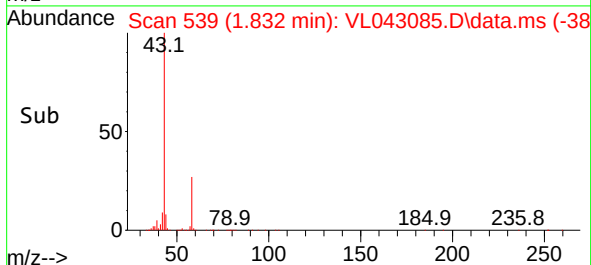
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

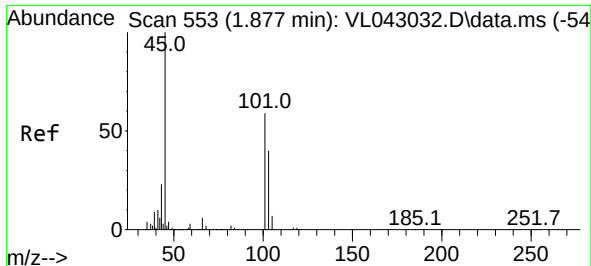


#15
Acetone
Concen: 3.106 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18



Tgt Ion: 43 Resp: 87022
Ion Ratio Lower Upper
43 100
58 28.0 22.2 33.4





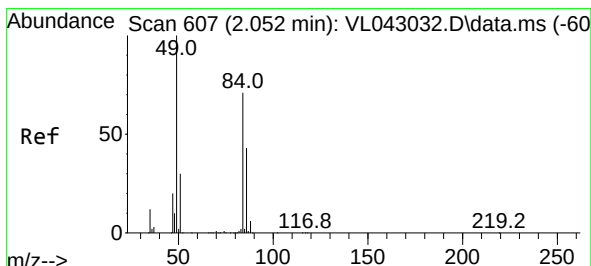
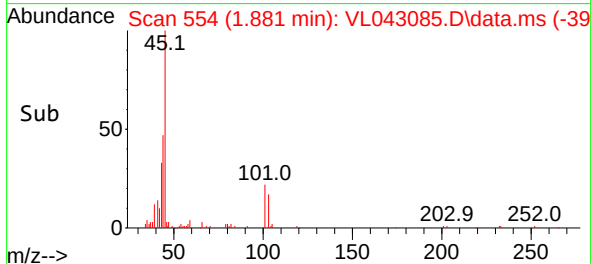
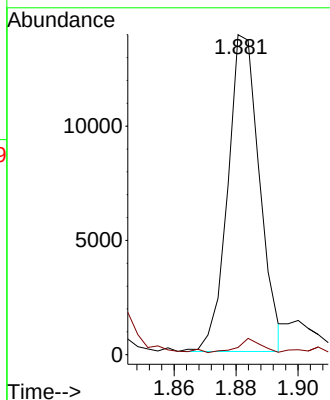
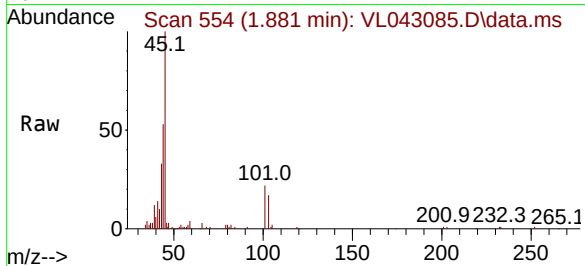
#19
Isopropyl Alcohol
Concen: 0.737 ppbv
RT: 1.881 min Scan# 519
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 9890
Ion Ratio Lower Upper
45 100
58 247.6 42.3 63.5

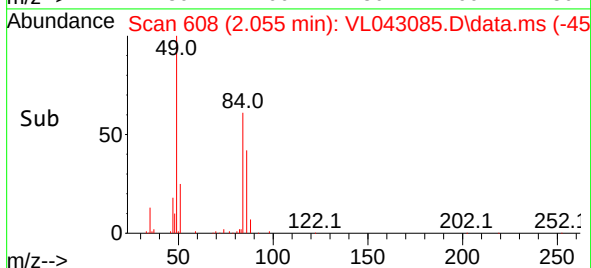
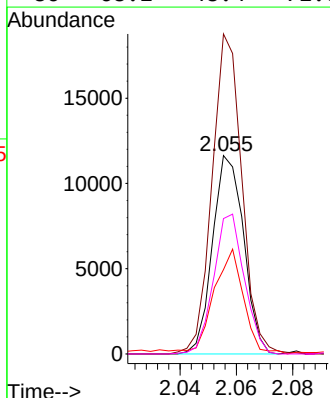
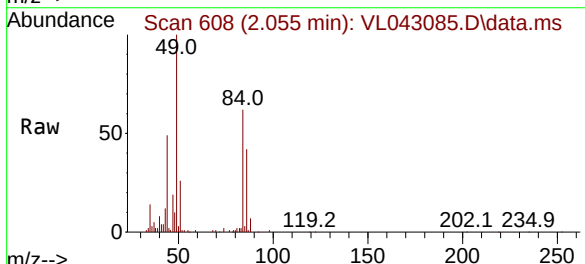
Manual Integrations
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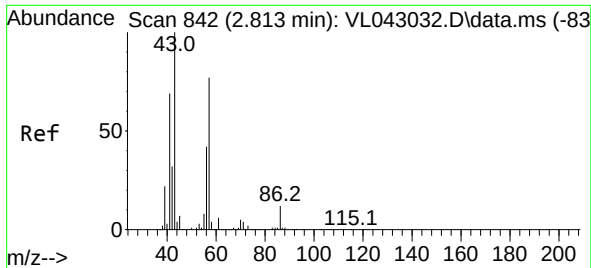
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.729 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

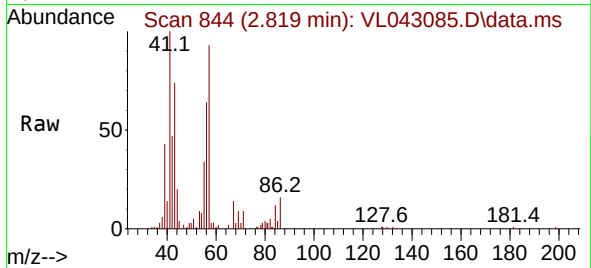
Tgt Ion: 84 Resp: 8920
Ion Ratio Lower Upper
84 100
49 160.2 112.5 168.7
51 40.9 34.2 51.2
86 68.2 48.4 72.6





#26
Hexane
Concen: 0.326 ppbv
RT: 2.819 min Scan# 842
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

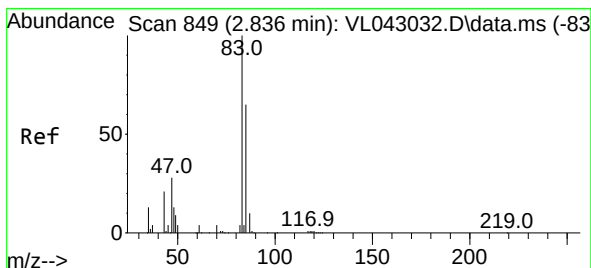
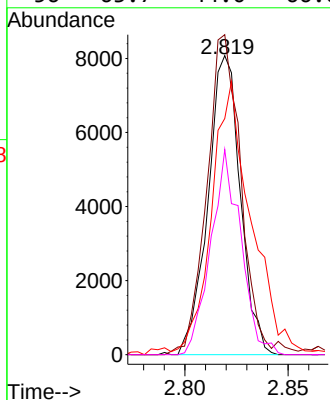
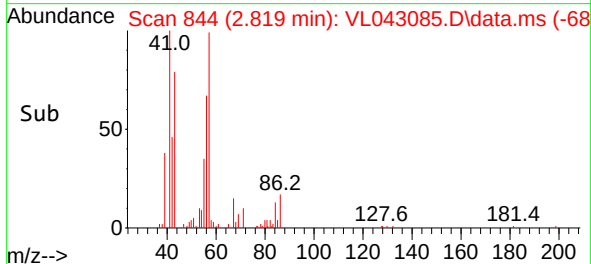
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 8800
Ion Ratio Lower Upper
57 100
41 114.7 76.1 114.1
43 113.0 201.4 302.0
56 63.7 44.0 66.0

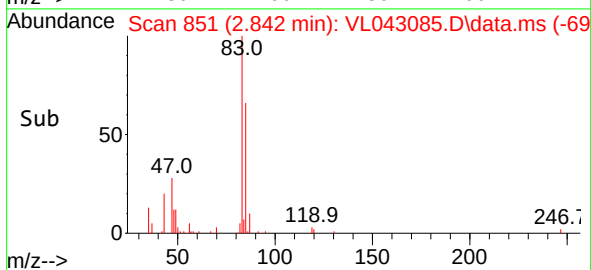
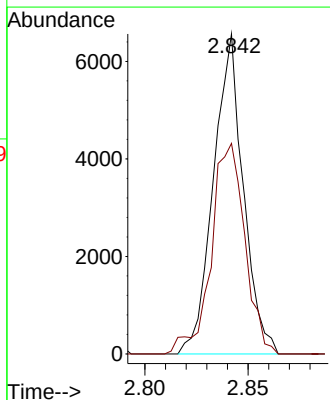
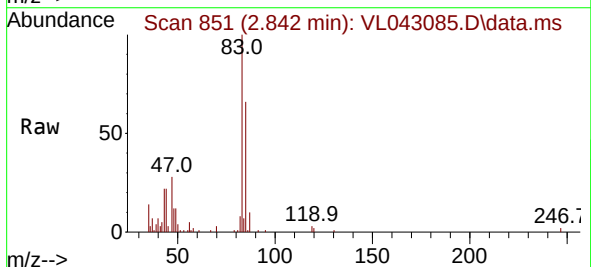
Manual Integrations
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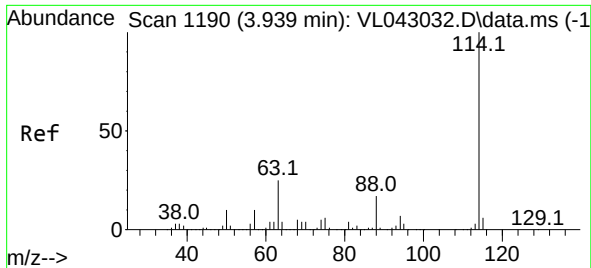
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#29
Chloroform
Concen: 0.143 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

Tgt Ion: 83 Resp: 6591
Ion Ratio Lower Upper
83 100
85 65.8 52.0 78.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1190

Delta R.T. 0.006 min

Lab File: VL043085.D

Acq: 09 Oct 2025 13:18

Instrument :

MSVOA_L

ClientSampleId :

1A2

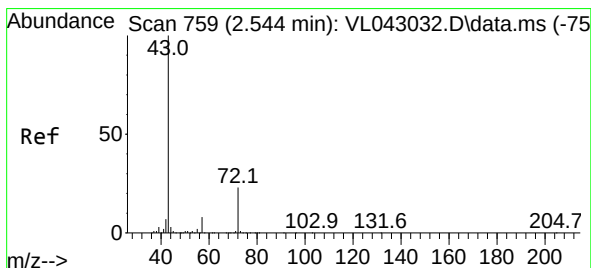
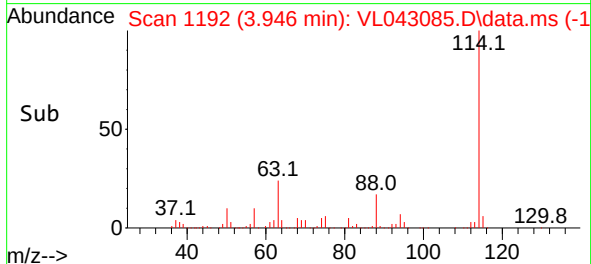
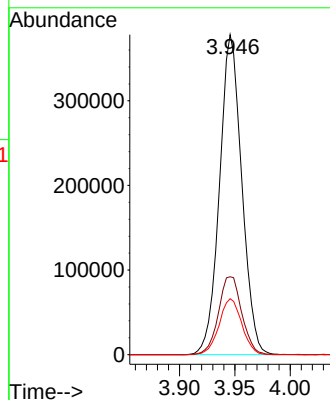
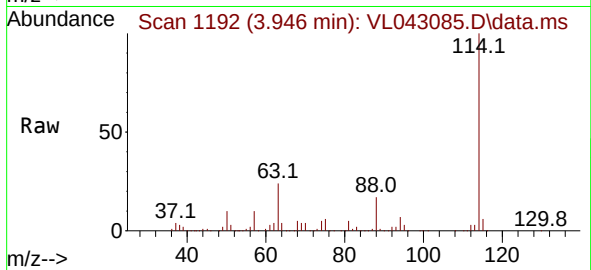
Tgt Ion:114 Resp: 528770

Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.4	29.2
88	17.8	13.9	20.9

Manual Integrations

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#34

2-Butanone

Concen: 0.221 ppbv

RT: 2.554 min Scan# 762

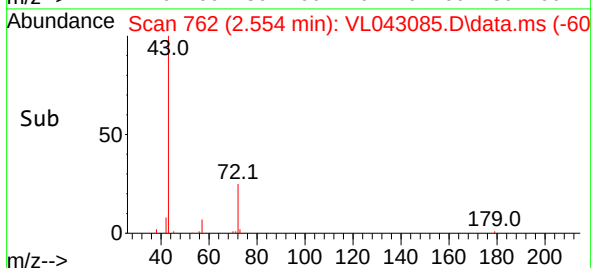
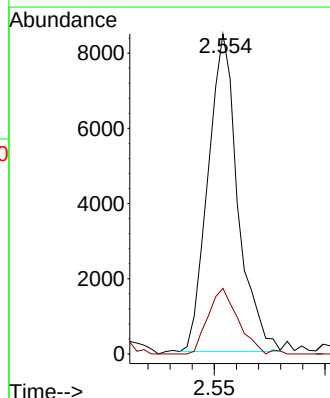
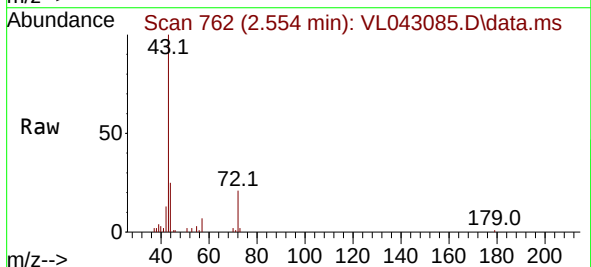
Delta R.T. 0.010 min

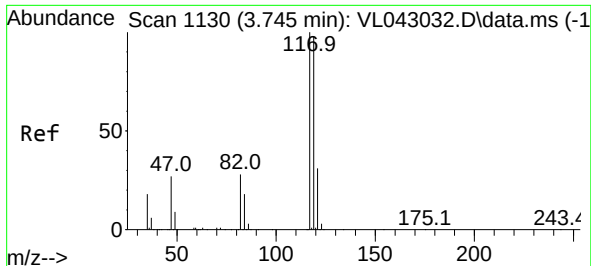
Lab File: VL043085.D

Acq: 09 Oct 2025 13:18

Tgt Ion: 43 Resp: 7944

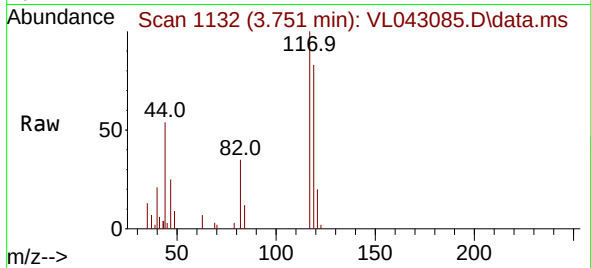
Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.4	27.6





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 3.751 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

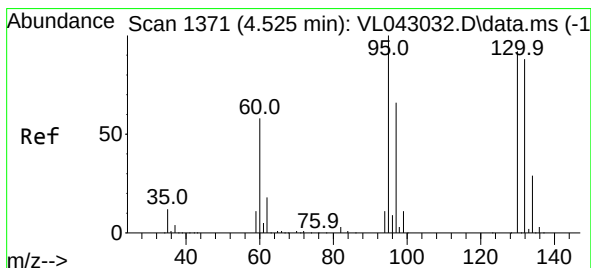
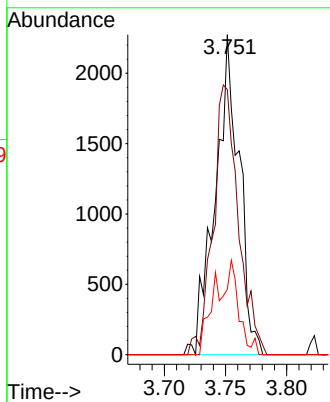
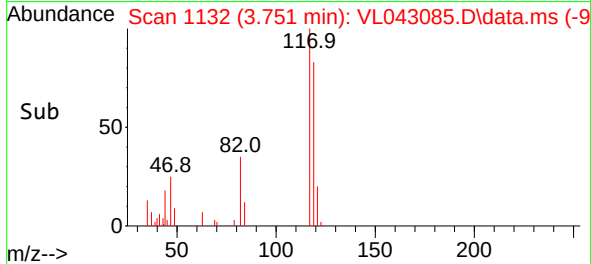
Instrument : MSVOA_L
ClientSampleId : 1A2



Tgt Ion:117 Resp: 3099
Ion Ratio Lower Upper
117 100
119 82.8 78.2 117.4
121 20.4 24.8 37.2

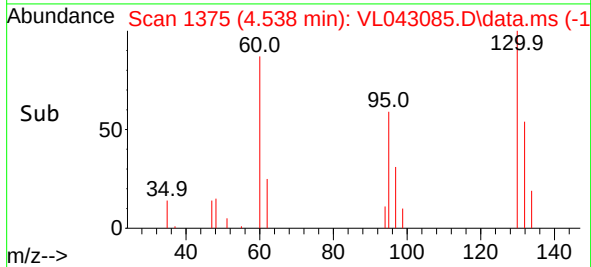
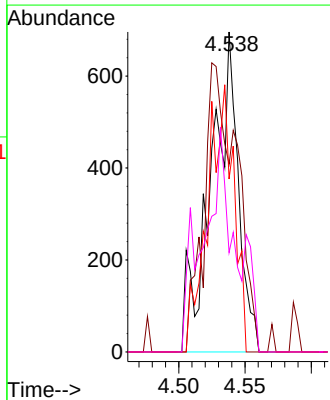
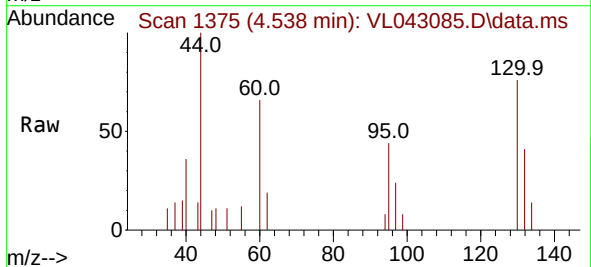
Manual Integrations
APPROVED

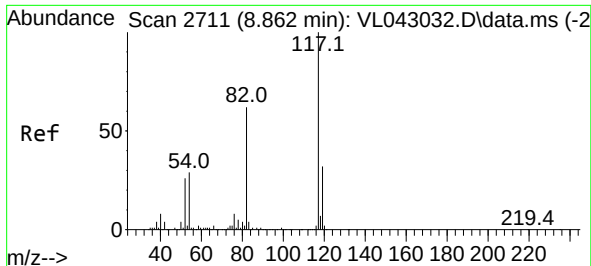
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.048 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. 0.013 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

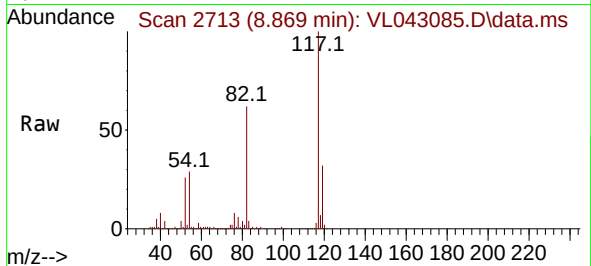
Tgt Ion:130 Resp: 1003
Ion Ratio Lower Upper
130 100
95 58.6 86.4 129.6#
132 54.0 75.7 113.5#
97 31.0 56.9 85.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. 0.006 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

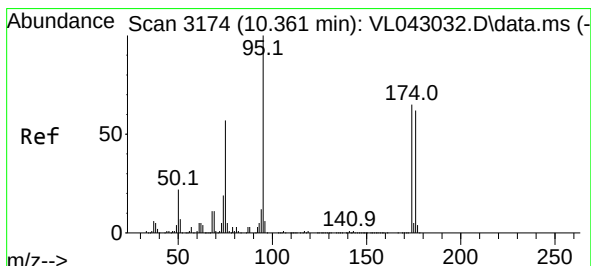
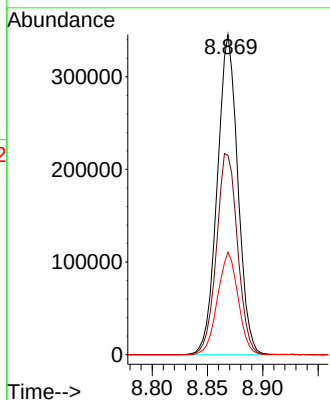
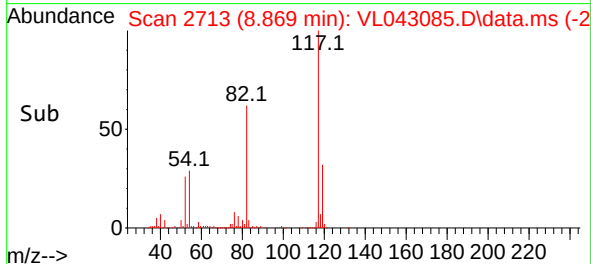
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 117 Resp: 446168
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.2 25.4 38.2

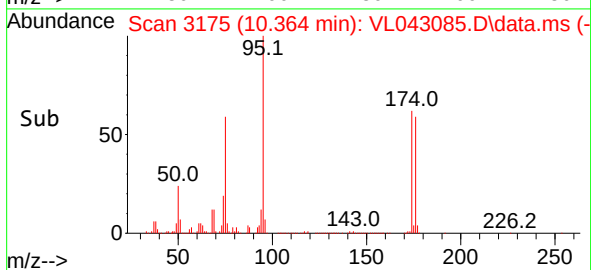
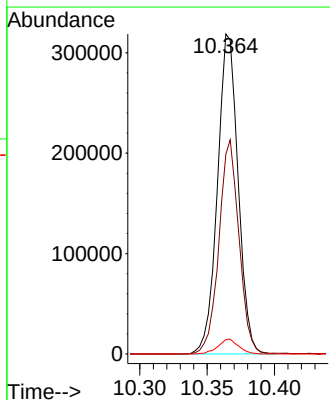
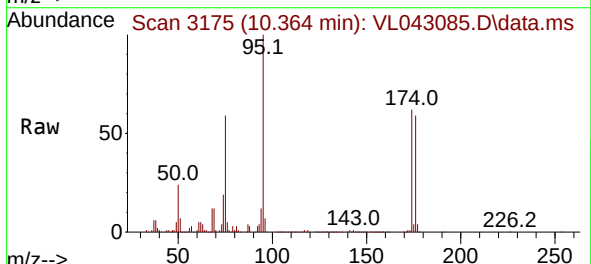
Manual Integrations
APPROVED

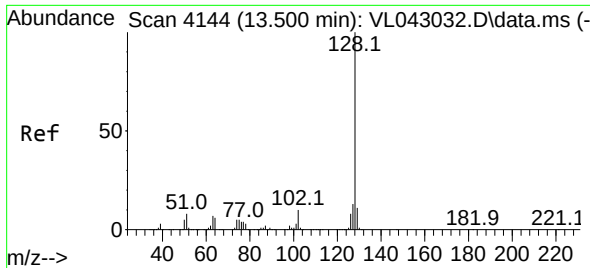
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.565 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

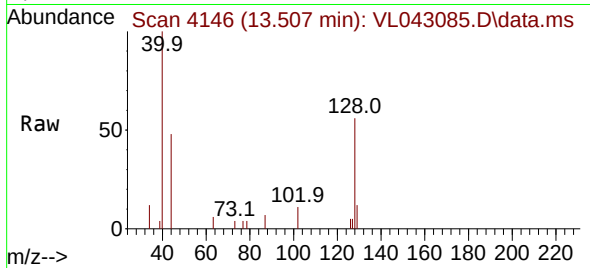
Tgt Ion: 95 Resp: 339557
Ion Ratio Lower Upper
95 100
174 65.4 52.3 78.5
175 4.7 3.8 5.8





#79
Naphthalene
Concen: 0.254 ppbv m
RT: 13.507 min Scan# 4144
Delta R.T. 0.007 min
Lab File: VL043085.D
Acq: 09 Oct 2025 13:18

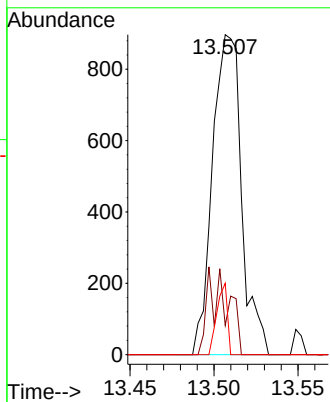
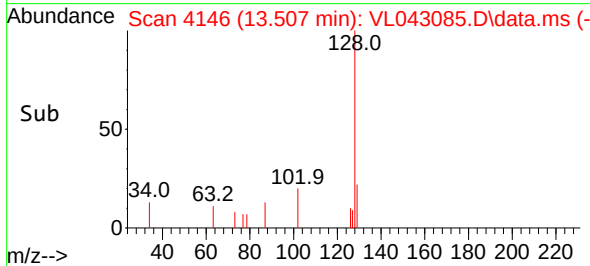
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion:128 Resp: 1082
Ion Ratio Lower Upper
128 100
127 9.1 10.6 16.0
129 22.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2	SDG No.:	Q3320
Lab Sample ID:	Q3320-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043087.D	10		10/09/25 14:25	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	5.44	U	5.44	24.7
74-87-3	Chloromethane	0.98	2.02	U	2.02	10.3
75-01-4	Vinyl Chloride	0.25	0.64	U	0.64	0.77
74-83-9	Bromomethane	0.77	2.99	U	2.99	19.4
75-00-3	Chloroethane	1.50	3.96	U	3.96	13.2
109-99-9	Tetrahydrofuran	0.80	2.36	U	2.36	14.8
75-69-4	Trichlorofluoromethane	11.8	66.3		9.55	28.1
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	U	10.7	38.3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	U	10.5	35.0
75-65-0	tert-Butyl alcohol	1.60	4.85	U	4.85	15.2
142-82-5	Heptane	1.70	6.97	U	6.97	20.5
75-35-4	1,1-Dichloroethene	1.50	5.95	U	5.95	19.8
67-64-1	Acetone	70.7	168		4.28	11.9
75-15-0	Carbon Disulfide	1.60	4.98	J	2.49	15.6
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	U	8.29	18.0
75-09-2	Methylene Chloride	3.10	10.8	J	7.99	17.4
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	U	4.76	19.8
75-34-3	1,1-Dichloroethane	1.30	5.26	U	5.26	20.2
110-82-7	Cyclohexane	2.20	7.57	U	7.57	17.2
78-93-3	2-Butanone	2.70	7.96	J	1.65	14.8
56-23-5	Carbon Tetrachloride	0.25	1.57	U	1.57	1.89
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	U	3.93	19.8
67-66-3	Chloroform	0.96	4.69	U	4.69	24.4
71-55-6	1,1,1-Trichloroethane	1.50	8.18		0.87	1.64
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	U	6.54	23.4
71-43-2	Benzene	0.79	2.52	U	2.52	16.0
107-06-2	1,2-Dichloroethane	0.93	3.76	U	3.76	20.2
79-01-6	Trichloroethene	28.8	155		1.29	1.61
78-87-5	1,2-Dichloropropane	1.30	6.01	U	6.01	23.1
75-27-4	Bromodichloromethane	0.63	4.22	U	4.22	33.5
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	U	3.98	20.5
108-88-3	Toluene	3.40	12.8	J	6.03	18.8
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	U	6.81	22.7
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	U	4.99	22.7
79-00-5	1,1,2-Trichloroethane	0.81	4.42	U	4.42	27.3

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2	SDG No.:	Q3320
Lab Sample ID:	Q3320-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043087.D	10		10/09/25 14:25	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.85	7.24	U	7.24	42.6
106-93-4	1,2-Dibromoethane	0.85	6.53	U	6.53	7.69
127-18-4	Tetrachloroethene	320	2170	E	1.02	2.03
108-90-7	Chlorobenzene	0.77	3.55	U	3.55	23.0
100-41-4	Ethyl Benzene	1.90	8.25	U	8.25	21.7
179601-23-1	m/p-Xylene	4.10	17.8	U	17.8	43.4
95-47-6	o-Xylene	2.10	9.12	U	9.12	21.7
100-42-5	Styrene	1.60	6.81	U	6.81	21.3
75-25-2	Bromoform	0.48	4.96	U	4.96	51.7
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	U	1.24	2.06
95-49-8	2-Chlorotoluene	1.70	8.80	U	8.80	25.9
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	U	8.85	24.6
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	U	8.85	24.6
541-73-1	1,3-Dichlorobenzene	0.54	3.25	U	3.25	30.1
106-46-7	1,4-Dichlorobenzene	1.30	7.82	U	7.82	30.1
95-50-1	1,2-Dichlorobenzene	1.30	7.82	U	7.82	30.1
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	U	15.6	37.1
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	U	13.9	53.3
106-99-0	1,3-Butadiene	0.51	1.13	U	1.13	11.1
91-20-3	Naphthalene	0.13	0.68	U	0.68	5.24
622-96-8	4-Ethyltoluene	2.10	10.3	U	10.3	24.6
110-54-3	Hexane	9.50	33.5		5.64	17.6
107-05-1	Allyl Chloride	1.10	3.44	U	3.44	15.7
123-91-1	1,4-Dioxane	2.20	7.93	U	7.93	18.0
80-62-6	Methyl Methacrylate	1.40	5.73	U	5.73	20.5
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.8			65 - 135	118% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	189000		2.777		
540-36-3	1,4-Difluorobenzene	495000		3.943		
3114-55-4	Chlorobenzene-d5	493000		8.862		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2	SDG No.:	Q3320
Lab Sample ID:	Q3320-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043087.D	10		10/09/25 14:25	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043087.D
 Acq On : 09 Oct 2025 14:25
 Operator : SY/MD
 Sample : Q3320-04 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:15:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	189452	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	494714	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	492557	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	419950	11.835	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.400%
Target Compounds						Qvalue
9) Propene	1.483	41	4532	0.364	ppbv	96
10) Heptane	4.952	43	4447m	0.145	ppbv	
11) Trichlorofluoromethane	1.871	101	38752	1.181	ppbv	98
13) Ethanol	1.716	45	2412m	4.074	ppbv	
15) Acetone	1.829	43	187635	7.073	ppbv	99
19) Isopropyl Alcohol	1.881	45	2225m	0.175	ppbv	
20) Methylene Chloride	2.056	84	3580	0.309	ppbv	93
26) Hexane	2.816	57	24236	0.947	ppbv #	30
27) Carbon Disulfide	2.143	76	4724	0.156	ppbv #	1
32) 1,1,1-Trichloroethane	3.357	97	6161m	0.145	ppbv	
34) 2-Butanone	2.548	43	9023	0.269	ppbv	96
38) Trichloroethene	4.528	130	56644	2.877	ppbv	97
51) 2-Hexanone	7.422	43	8670m	0.298	ppbv	
52) Tetrachloroethene	8.205	164	568256	32.470	ppbv	99
53) Toluene	6.911	91	15976	0.335	ppbv	97
59) m/p-Xylene	9.519	91	11866m	0.184	ppbv	
60) o-Xylene	9.943	91	10161m	0.158	ppbv	

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

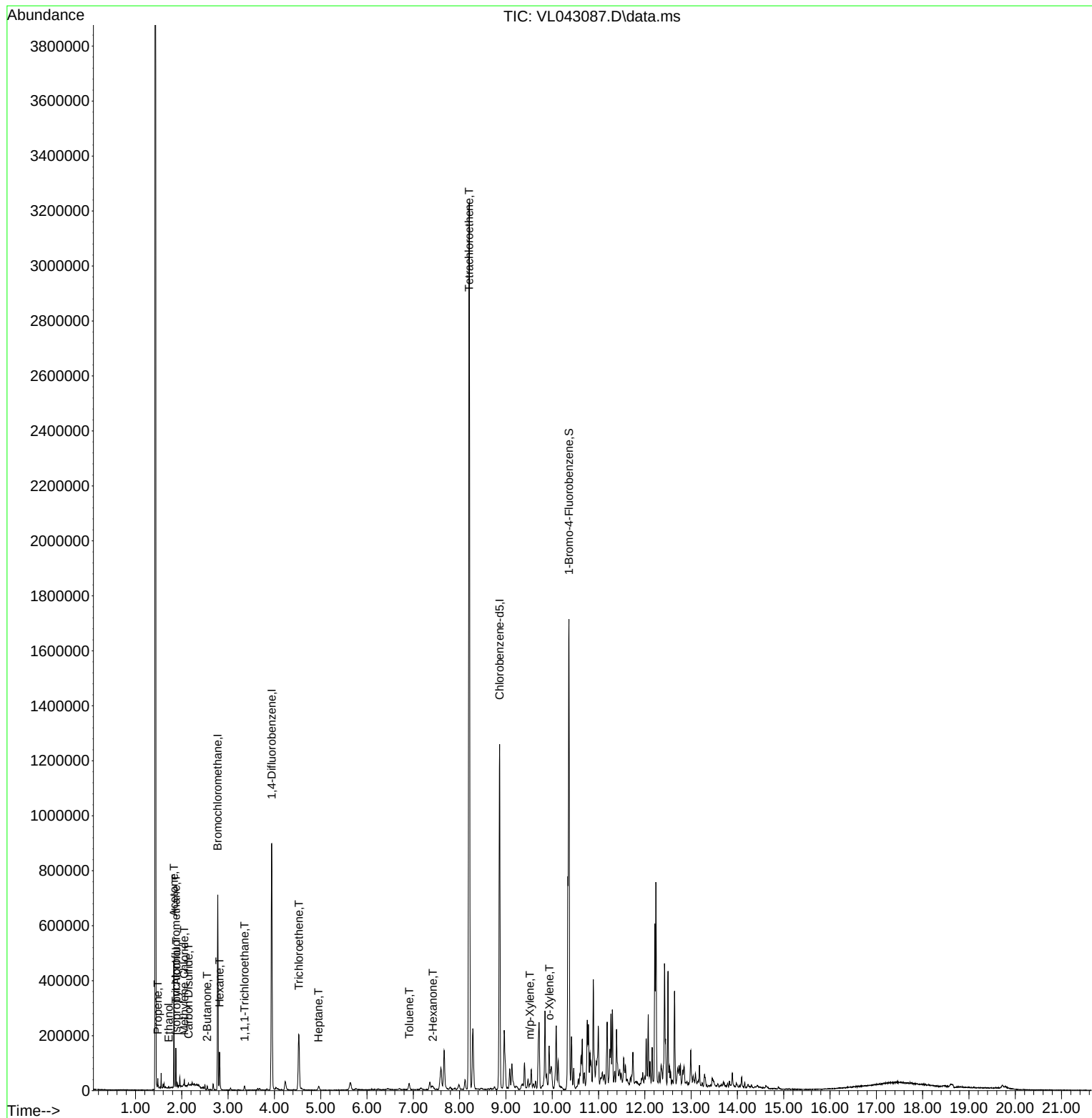
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043087.D
Acq On : 09 Oct 2025 14:25
Operator : SY/MD
Sample : Q3320-04 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

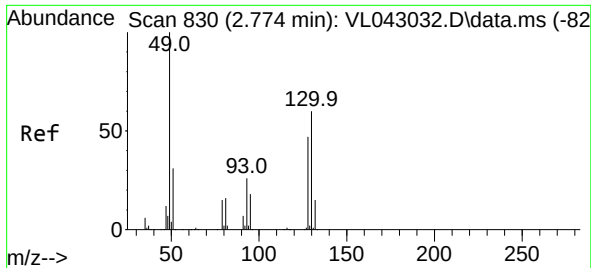
Instrument :
MSVOA_L
ClientSampleId :
SV2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

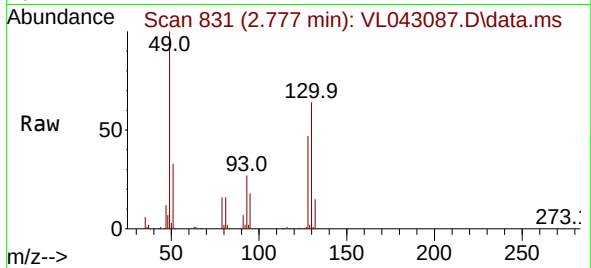
Quant Time: Oct 09 22:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

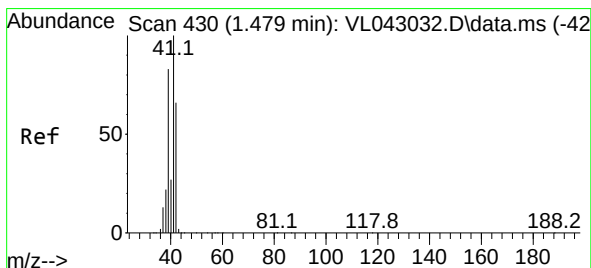
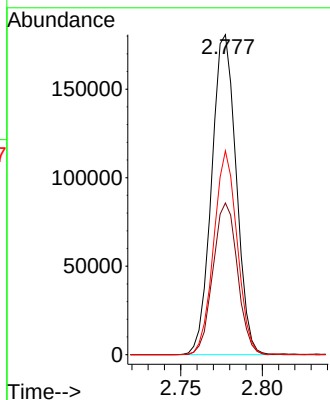
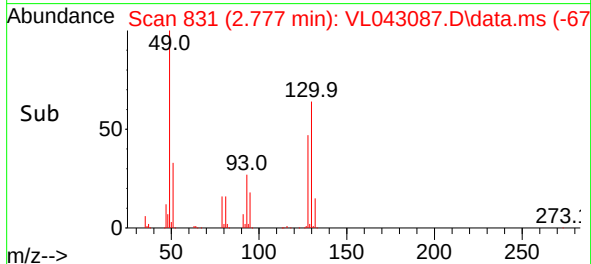
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 18945
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.2
130 60.7 31.4 94.3

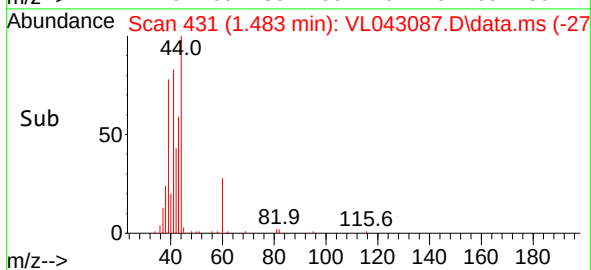
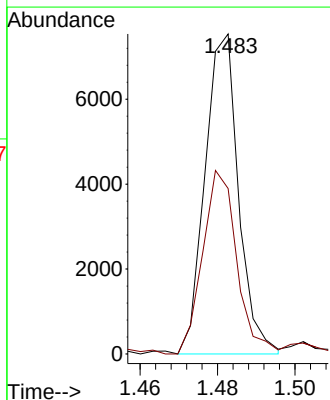
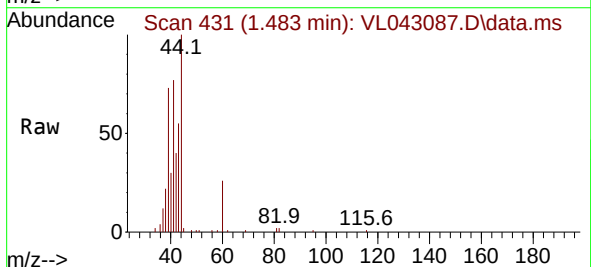
Manual Integrations
APPROVED

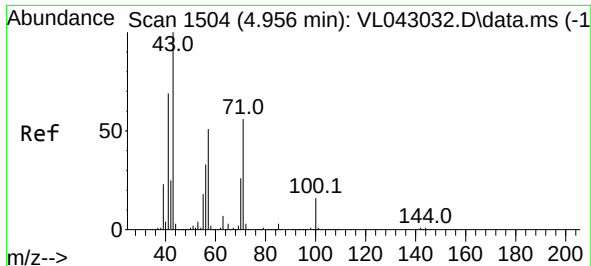
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#9
Propene
Concen: 0.364 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

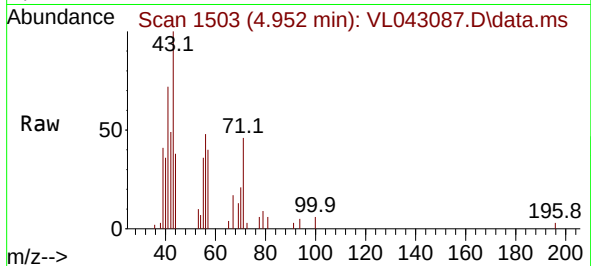
Tgt Ion: 41 Resp: 4532
Ion Ratio Lower Upper
41 100
42 63.6 53.3 79.9





#10
Heptane
Concen: 0.145 ppbv m
RT: 4.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

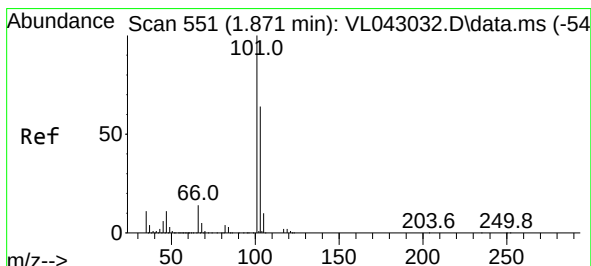
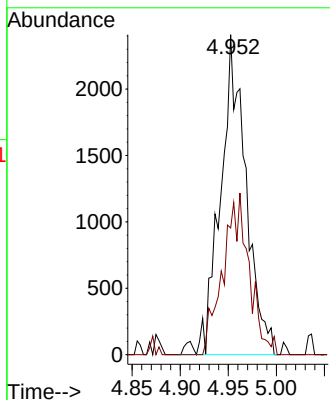
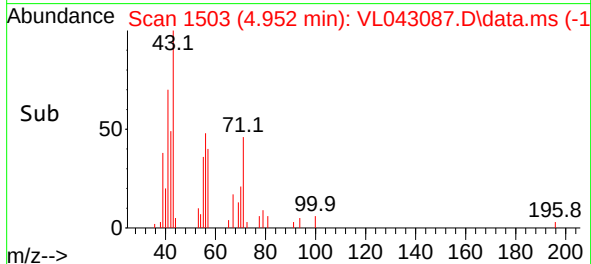
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
57 51.7 40.3 60.5

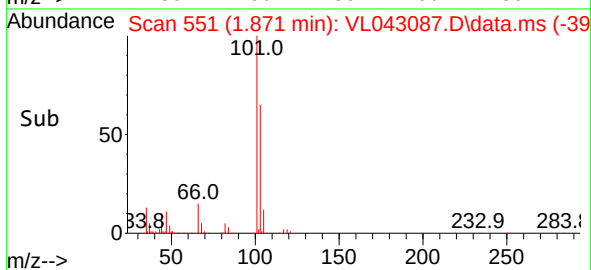
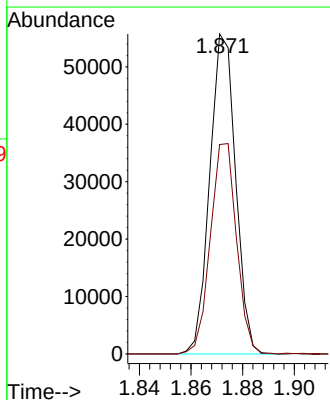
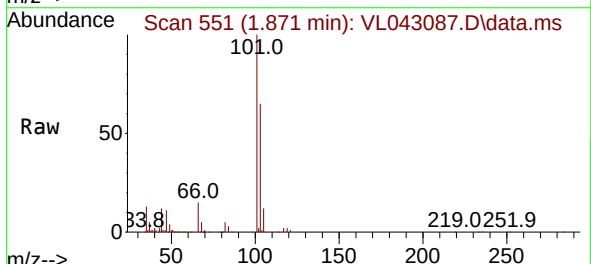
Manual Integrations
APPROVED

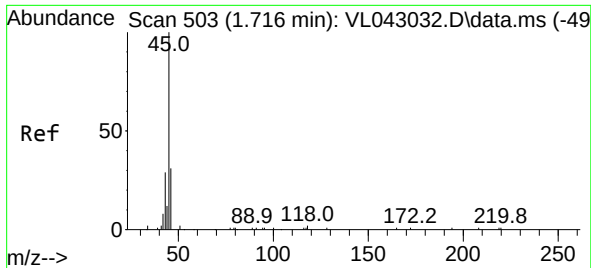
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 1.181 ppbv
RT: 1.871 min Scan# 551
Delta R.T. 0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

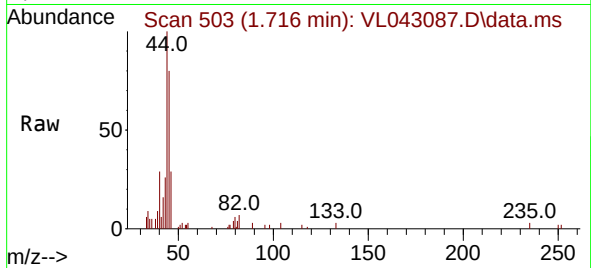
Tgt Ion:101 Resp: 38752
Ion Ratio Lower Upper
101 100
103 65.5 51.1 76.7





#13
Ethanol
Concen: 4.074 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

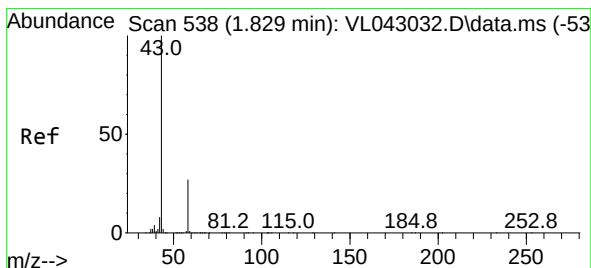
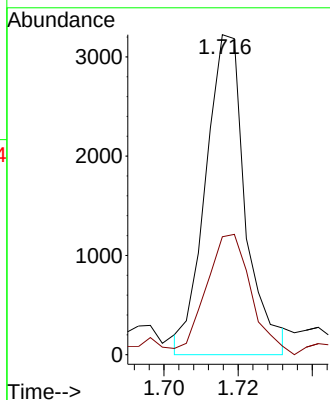
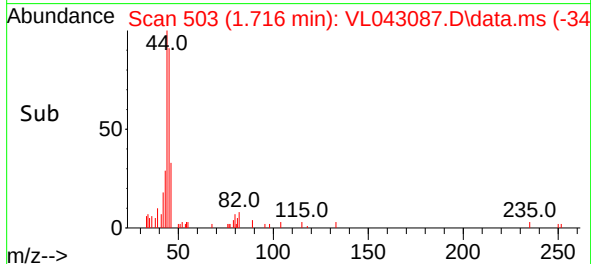
Instrument :
MSVOA_L
ClientSampleId :
SV2



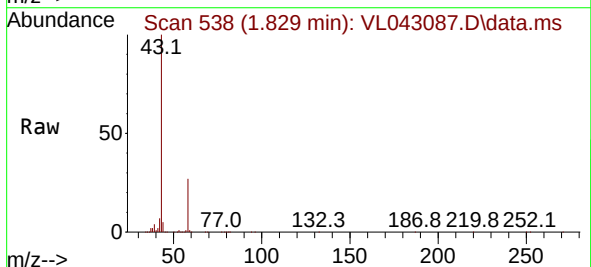
Tgt Ion: 45 Resp: 2412
Ion Ratio Lower Upper
45 100
46 5339.1 17.8 71.4

Manual Integrations
APPROVED

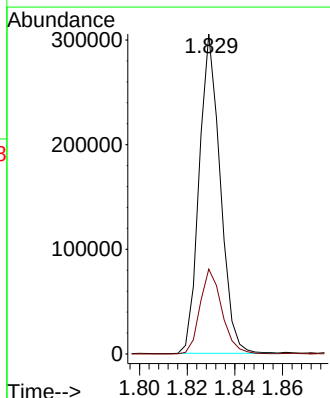
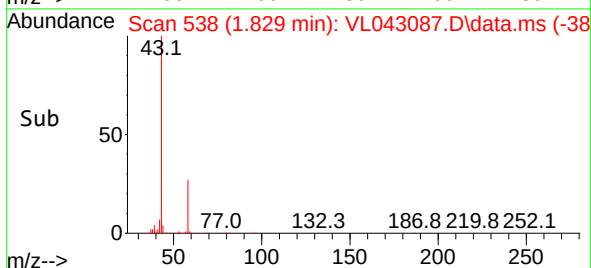
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

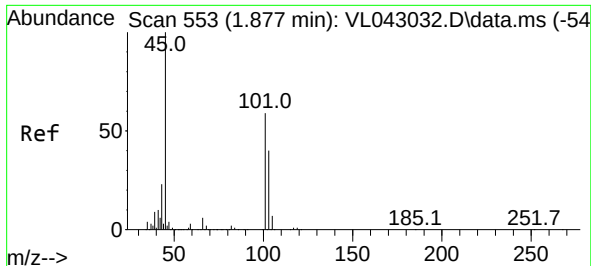


#15
Acetone
Concen: 7.073 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25



Tgt Ion: 43 Resp: 187635
Ion Ratio Lower Upper
43 100
58 28.2 22.2 33.4





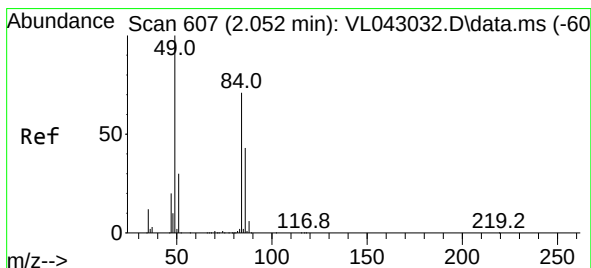
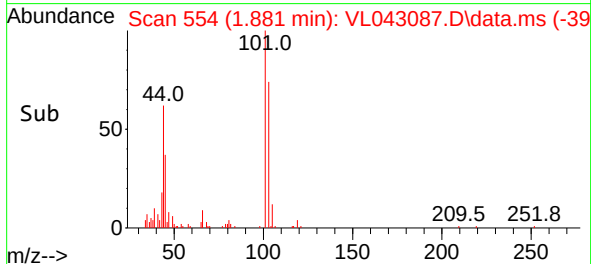
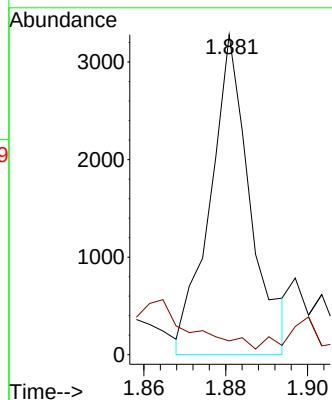
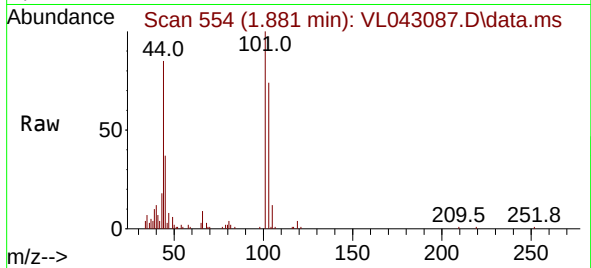
#19
Isopropyl Alcohol
Concen: 0.175 ppbv m
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 45 Resp: 2225
Ion Ratio Lower Upper
45 100
58 0.0 42.3 63.5

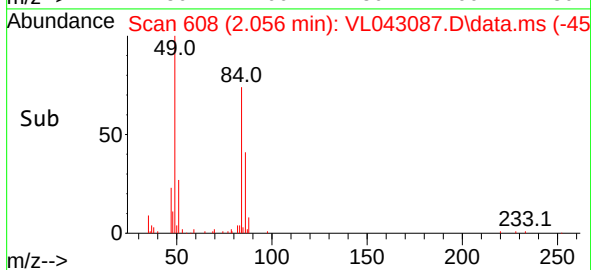
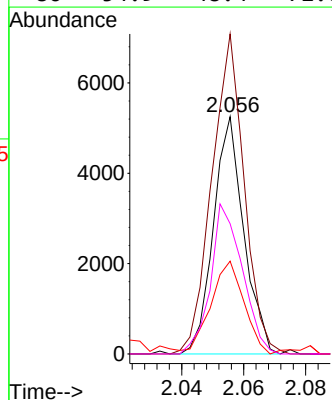
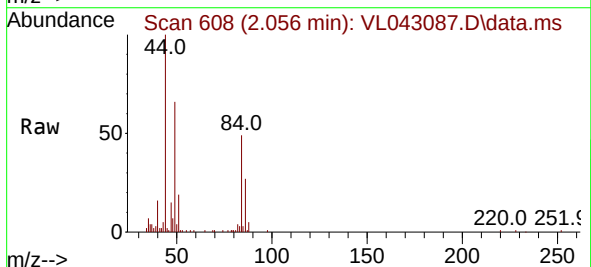
Manual Integrations
APPROVED

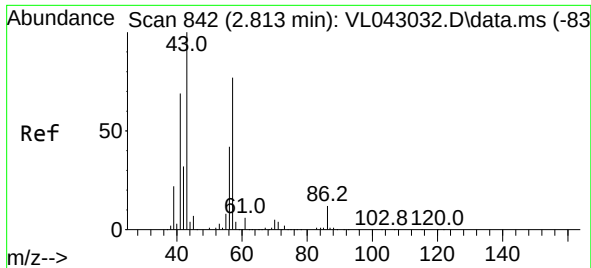
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.309 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

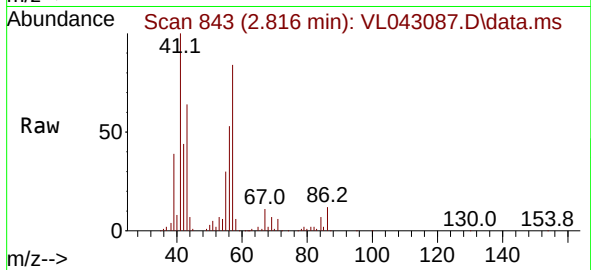
Tgt Ion: 84 Resp: 3580
Ion Ratio Lower Upper
84 100
49 133.4 112.5 168.7
51 37.6 34.2 51.2
86 54.9 48.4 72.6





#26
Hexane
Concen: 0.947 ppbv
RT: 2.816 min Scan# 842
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

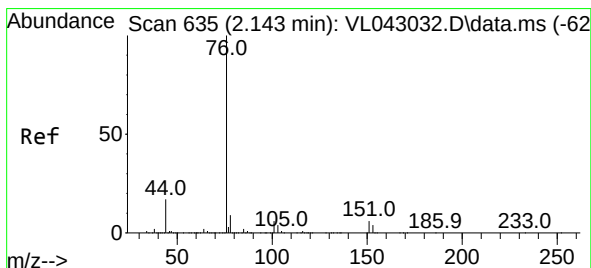
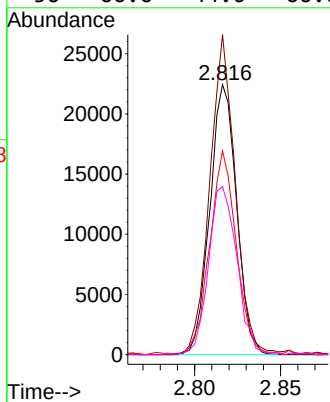
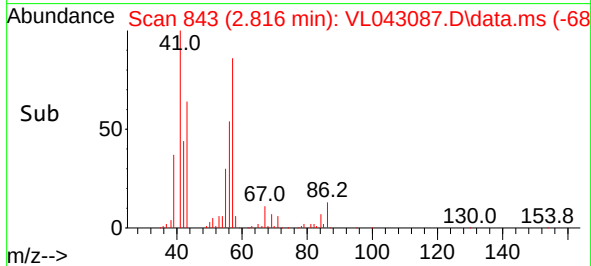
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 24230
Ion Ratio Lower Upper
57 100
41 114.3 76.1 114.1
43 76.3 201.4 302.0
56 66.6 44.0 66.0

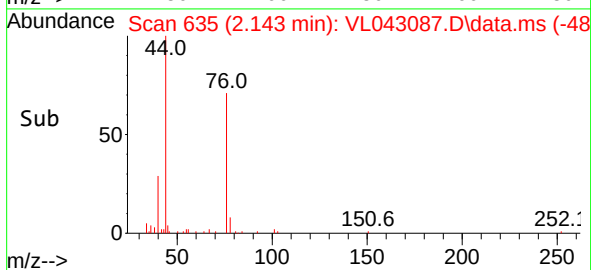
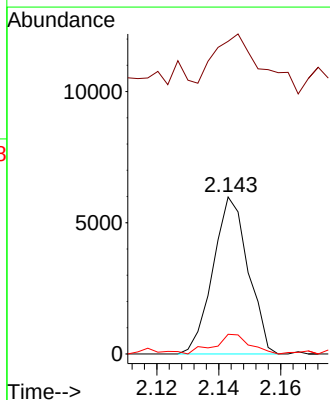
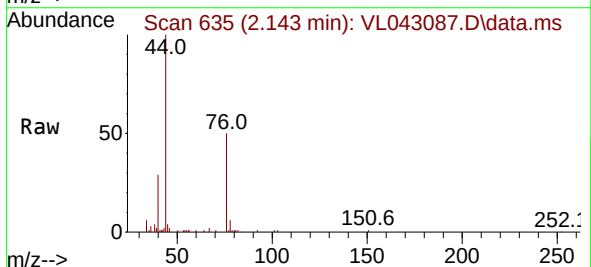
Manual Integrations
APPROVED

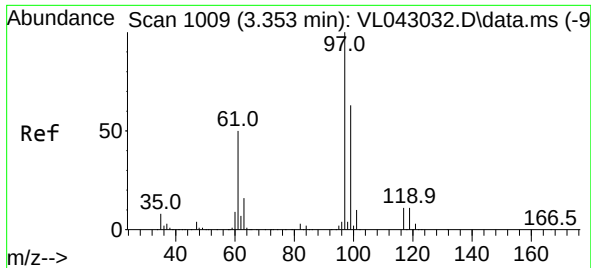
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#27
Carbon Disulfide
Concen: 0.156 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

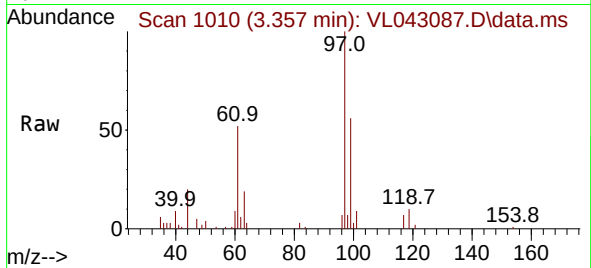
Tgt Ion: 76 Resp: 4724
Ion Ratio Lower Upper
76 100
44 718.2 14.0 21.0#
78 17.2 9.4 14.0#





#32
1,1,1-Trichloroethane
Concen: 0.145 ppbv m
RT: 3.357 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

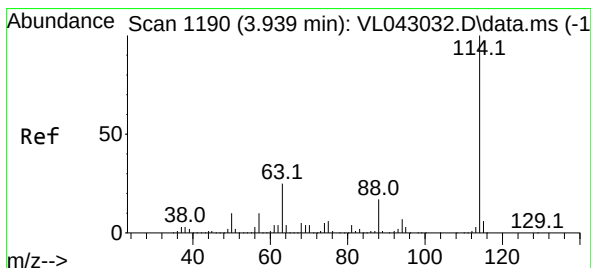
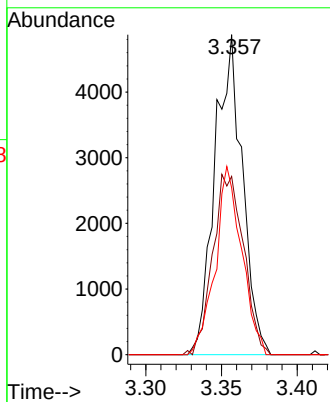
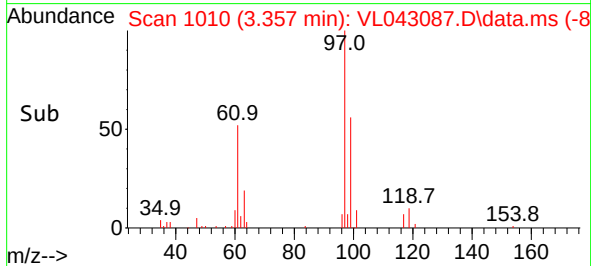
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 97 Resp: 616
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 56.3 40.1 60.1

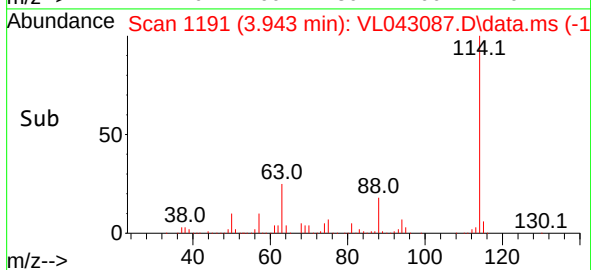
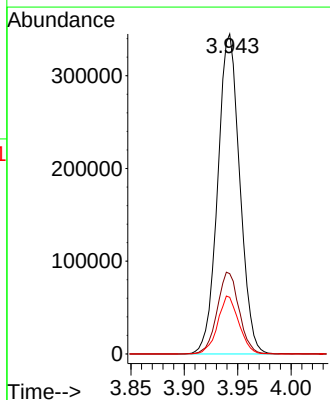
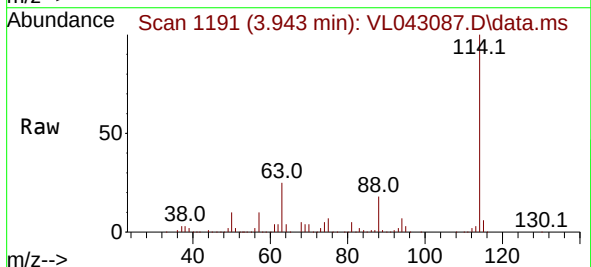
Manual Integrations
APPROVED

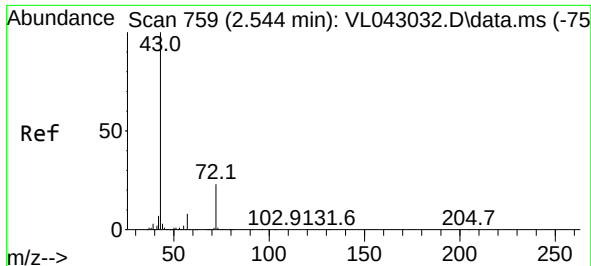
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.943 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

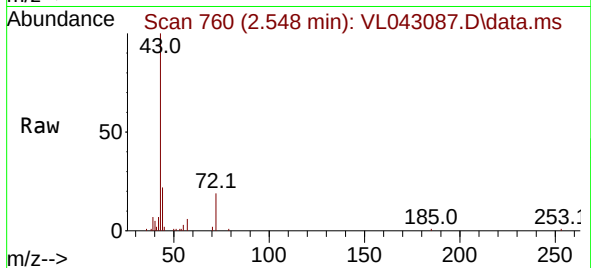
Tgt Ion:114 Resp: 494714
Ion Ratio Lower Upper
114 100
63 25.5 19.4 29.2
88 17.4 13.9 20.9





#34
2-Butanone
Concen: 0.269 ppbv
RT: 2.548 min Scan# 759
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

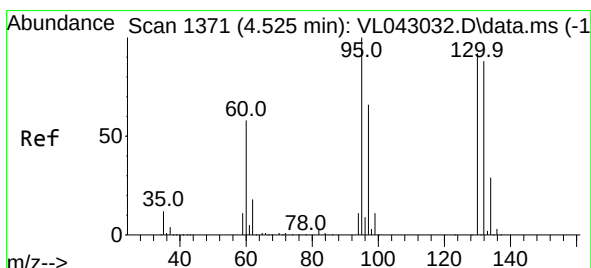
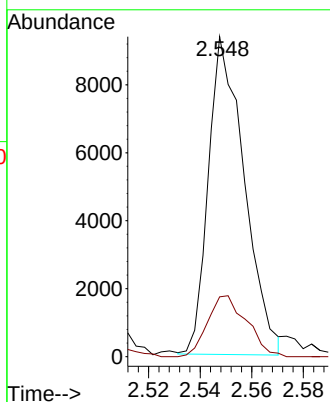
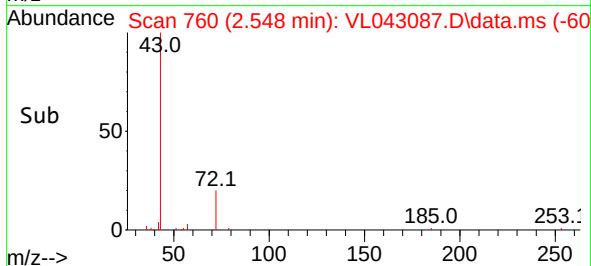
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
72 21.0 18.4 27.6

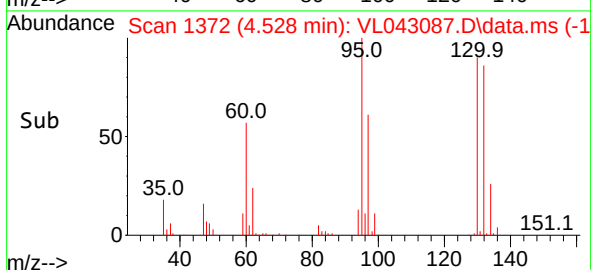
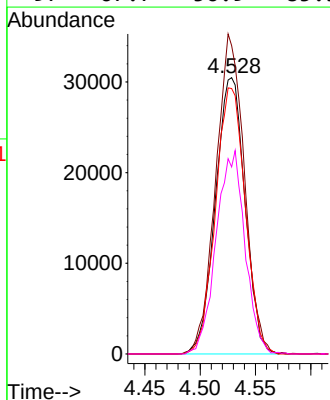
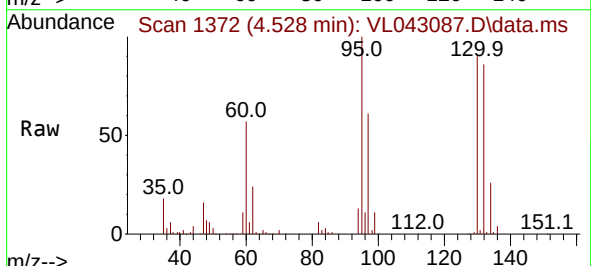
Manual Integrations
APPROVED

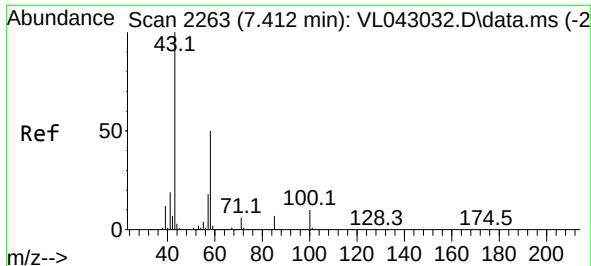
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 2.877 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

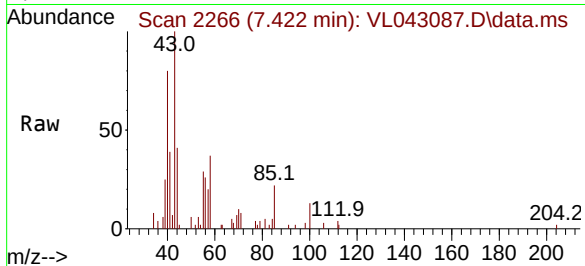
Tgt Ion:130 Resp: 56644
Ion Ratio Lower Upper
130 100
95 111.6 86.4 129.6
132 96.1 75.7 113.5
97 67.7 56.9 85.3





#51
2-Hexanone
Concen: 0.298 ppbv m
RT: 7.422 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

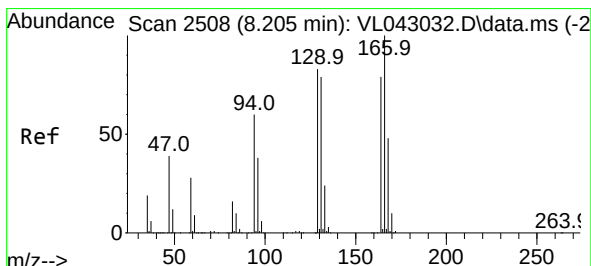
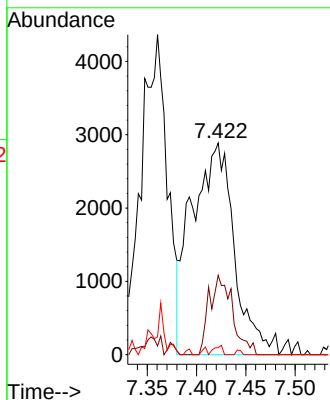
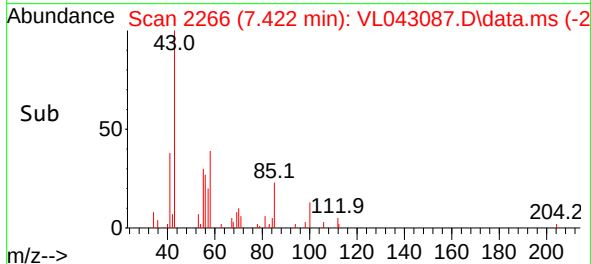
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 8670
Ion Ratio Lower Upper
43 100
58 20.6 39.1 58.7
98 1.1 0.5 0.7

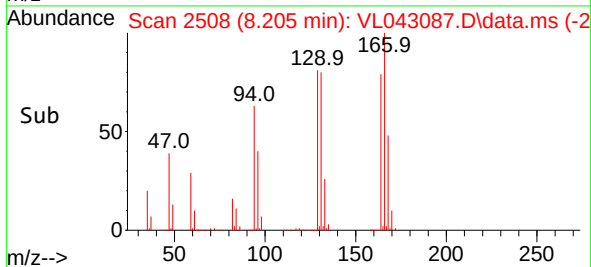
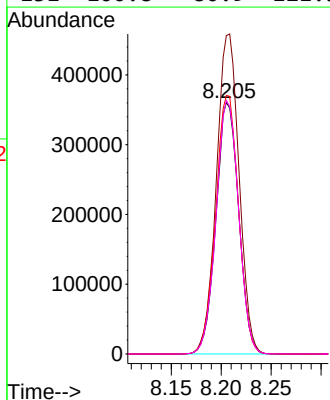
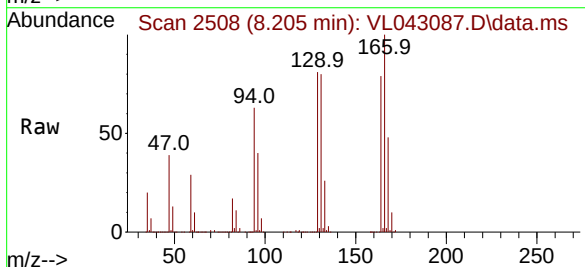
Manual Integrations
APPROVED

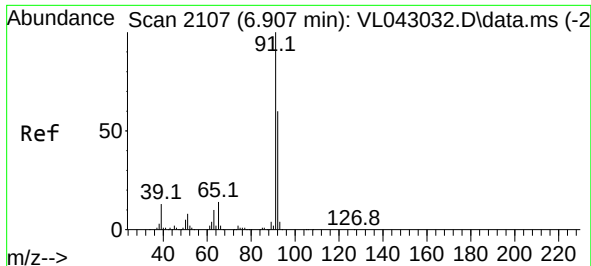
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 32.470 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

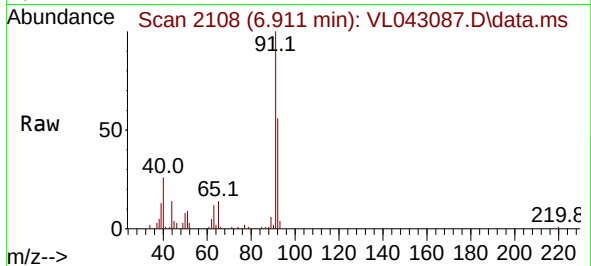
Tgt Ion:164 Resp: 568256
Ion Ratio Lower Upper
164 100
166 126.6 101.8 152.8
129 102.8 84.5 126.7
131 100.8 80.9 121.3





#53
Toluene
Concen: 0.335 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

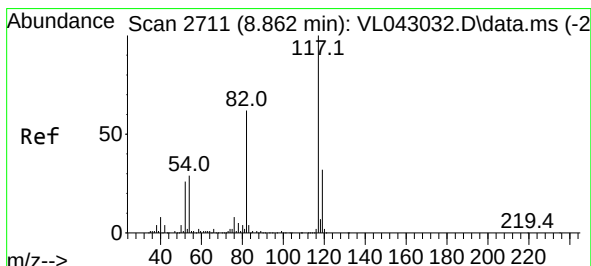
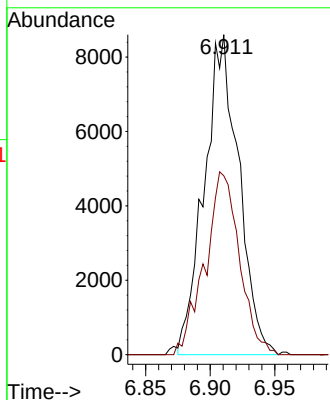
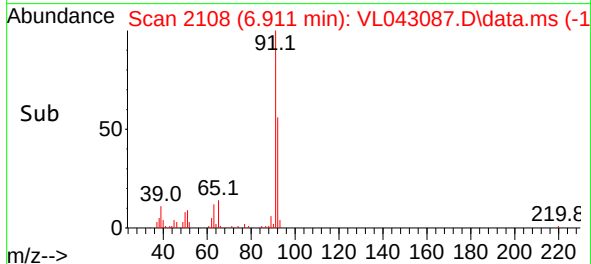
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 15970
Ion Ratio Lower Upper
91 100
92 57.1 47.8 71.6

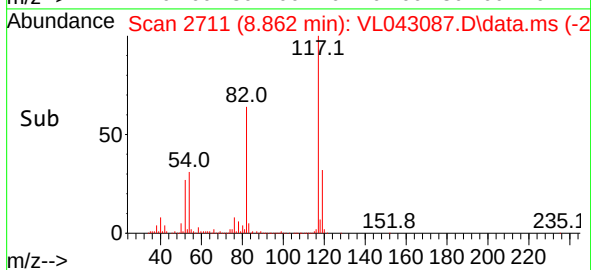
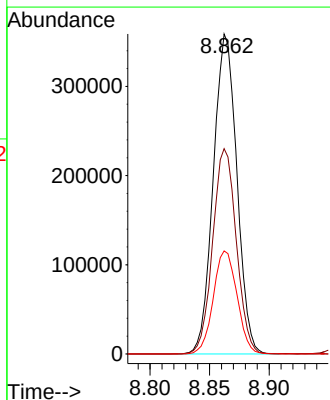
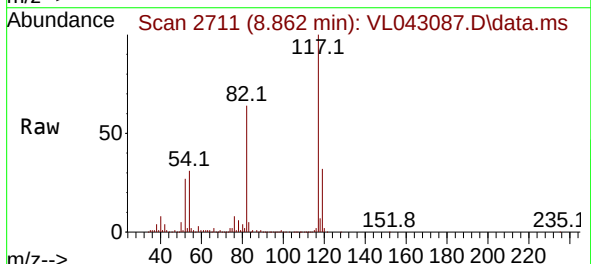
Manual Integrations
APPROVED

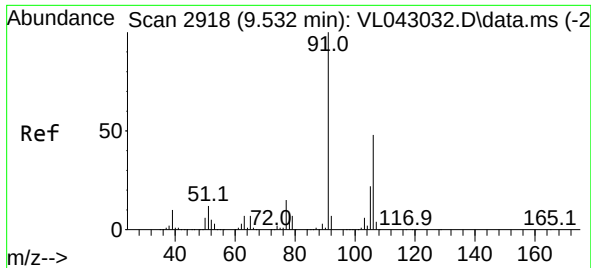
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

Tgt Ion:117 Resp: 492557
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.6
119 32.5 25.4 38.2





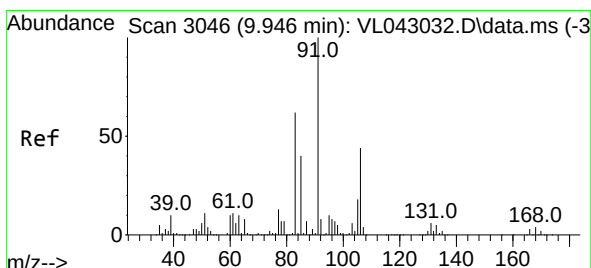
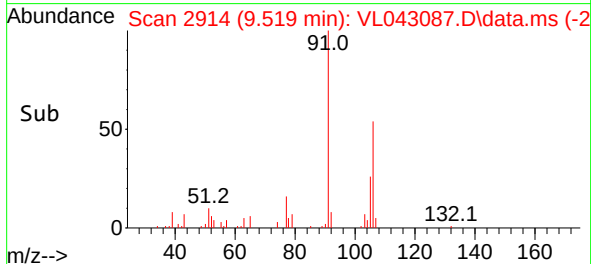
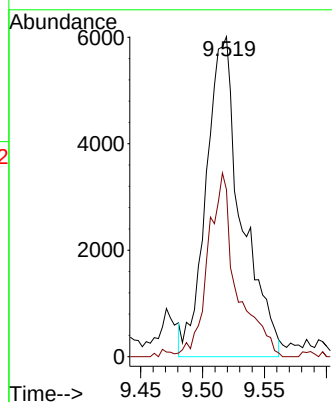
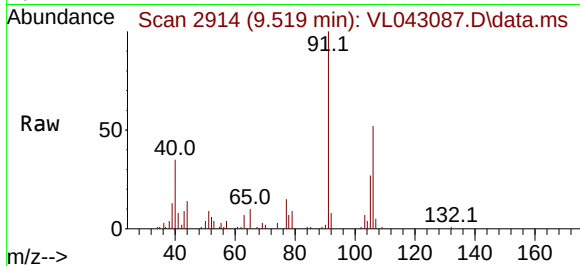
#59
m/p-Xylene
Concen: 0.184 ppbv m
RT: 9.519 min Scan# 2914
Delta R.T. -0.013 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 11860
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3

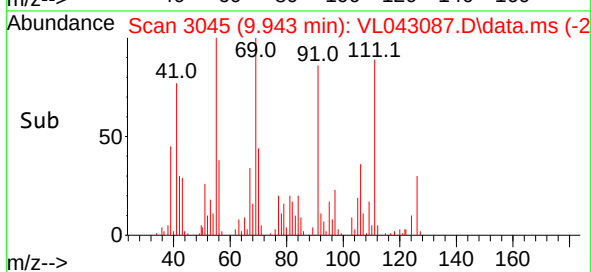
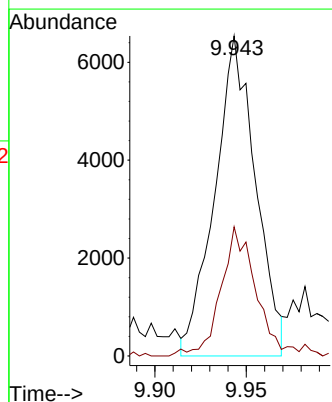
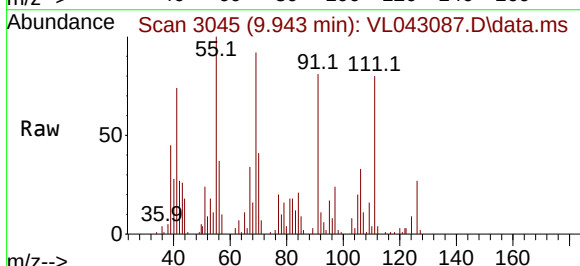
Manual Integrations
APPROVED

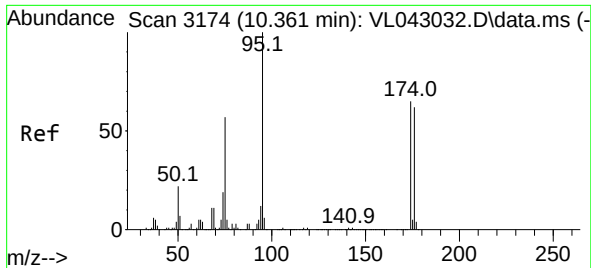
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.158 ppbv m
RT: 9.943 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VL043087.D
Acq: 09 Oct 2025 14:25

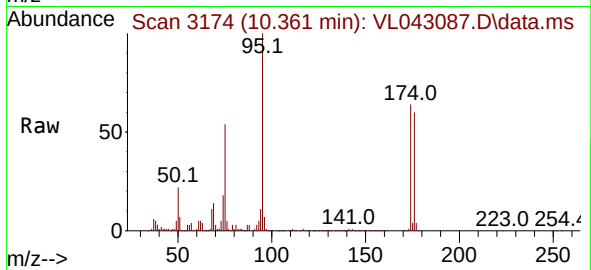
Tgt Ion: 91 Resp: 10161
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.835 ppbv
 RT: 10.361 min Scan# 3174
 Delta R.T. 0.000 min
 Lab File: VL043087.D
 Acq: 09 Oct 2025 14:25

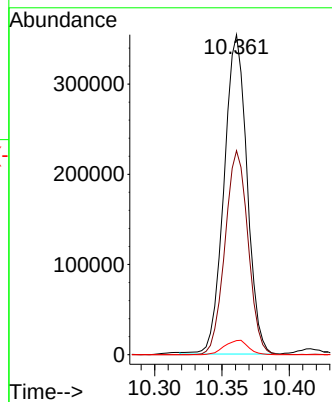
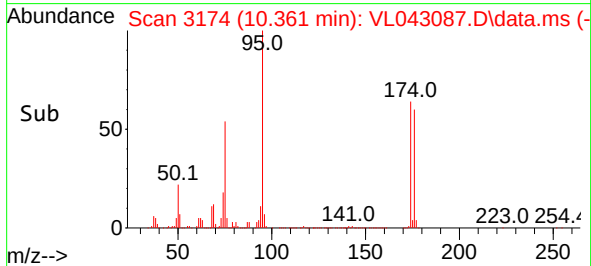
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 419950
 Ion Ratio Lower Upper
 95 100
 174 64.2 52.3 78.5
 175 4.7 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043093.D	40		10/09/25 18:20	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	21.8	UD	21.8	98.9
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3
75-01-4	Vinyl Chloride	1.00	2.56	UD	2.56	3.07
74-83-9	Bromomethane	3.10	12.0	UD	12.0	77.7
75-00-3	Chloroethane	6.00	15.8	UD	15.8	52.8
109-99-9	Tetrahydrofuran	3.20	9.44	UD	9.44	59.0
75-69-4	Trichlorofluoromethane	11.8	66.3	JD	38.2	112
76-13-1	1,1,2-Trichlorotrifluoroethane	5.60	42.9	UD	42.9	153
76-14-2	Dichlorotetrafluoroethane	6.00	41.9	UD	41.9	140
75-65-0	tert-Butyl alcohol	6.40	19.4	UD	19.4	60.6
142-82-5	Heptane	6.80	27.9	UD	27.9	82.0
75-35-4	1,1-Dichloroethene	6.00	23.8	UD	23.8	79.3
67-64-1	Acetone	70.2	167	D	17.1	47.5
75-15-0	Carbon Disulfide	3.20	9.97	UD	9.97	62.3
1634-04-4	Methyl tert-Butyl Ether	9.20	33.2	UD	33.2	72.1
75-09-2	Methylene Chloride	9.70	33.7	JD	32.0	69.5
156-60-5	trans-1,2-Dichloroethene	4.80	19.0	UD	19.0	79.3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0
110-82-7	Cyclohexane	8.80	30.3	UD	30.3	68.8
78-93-3	2-Butanone	2.20	6.49	UD	6.49	59.0
56-23-5	Carbon Tetrachloride	1.00	6.29	UD	6.29	7.55
156-59-2	cis-1,2-Dichloroethene	4.00	15.9	UD	15.9	79.3
67-66-3	Chloroform	3.80	18.6	UD	18.6	97.7
71-55-6	1,1,1-Trichloroethane	1.70	9.28	D	3.49	6.55
540-84-1	2,2,4-Trimethylpentane	5.60	26.2	UD	26.2	93.4
71-43-2	Benzene	3.20	10.2	UD	10.2	63.9
107-06-2	1,2-Dichloroethane	3.70	15.0	UD	15.0	81.0
79-01-6	Trichloroethene	28.5	153	D	5.16	6.45
78-87-5	1,2-Dichloropropane	5.20	24.0	UD	24.0	92.4
75-27-4	Bromodichloromethane	2.50	16.8	UD	16.8	134
108-10-1	4-Methyl-2-Pentanone	3.90	16.0	UD	16.0	82.0
108-88-3	Toluene	6.40	24.1	UD	24.1	75.4
10061-02-6	t-1,3-Dichloropropene	6.00	27.2	UD	27.2	90.8
10061-01-5	cis-1,3-Dichloropropene	4.40	20.0	UD	20.0	90.8
79-00-5	1,1,2-Trichloroethane	3.20	17.5	UD	17.5	109

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043093.D	40		10/09/25 18:20	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	3.40	29.0	UD	29.0	170
106-93-4	1,2-Dibromoethane	3.40	26.1	UD	26.1	30.7
127-18-4	Tetrachloroethene	300	2030	D	4.07	8.14
108-90-7	Chlorobenzene	3.10	14.3	UD	14.3	92.1
100-41-4	Ethyl Benzene	7.60	33.0	UD	33.0	86.9
179601-23-1	m/p-Xylene	16.4	71.2	UD	71.2	174
95-47-6	o-Xylene	8.40	36.5	UD	36.5	86.9
100-42-5	Styrene	6.40	27.3	UD	27.3	85.2
75-25-2	Bromoform	1.90	19.6	UD	19.6	207
79-34-5	1,1,2,2-Tetrachloroethane	0.72	4.94	UD	4.94	8.24
95-49-8	2-Chlorotoluene	6.80	35.2	UD	35.2	104
108-67-8	1,3,5-Trimethylbenzene	7.20	35.4	UD	35.4	98.3
95-63-6	1,2,4-Trimethylbenzene	7.20	35.4	UD	35.4	98.3
541-73-1	1,3-Dichlorobenzene	2.20	13.2	UD	13.2	120
106-46-7	1,4-Dichlorobenzene	5.20	31.3	UD	31.3	120
95-50-1	1,2-Dichlorobenzene	5.20	31.3	UD	31.3	120
120-82-1	1,2,4-Trichlorobenzene	8.40	62.4	UD	62.4	148
87-68-3	Hexachloro-1,3-Butadiene	5.20	55.5	UD	55.5	213
106-99-0	1,3-Butadiene	2.00	4.42	UD	4.42	44.3
91-20-3	Naphthalene	0.52	2.73	UD	2.73	21.0
622-96-8	4-Ethyltoluene	8.40	41.3	UD	41.3	98.3
110-54-3	Hexane	8.90	31.4	JD	22.6	70.5
107-05-1	Allyl Chloride	4.40	13.8	UD	13.8	62.6
123-91-1	1,4-Dioxane	8.80	31.7	UD	31.7	72.1
80-62-6	Methyl Methacrylate	5.60	22.9	UD	22.9	81.9
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.8			65 - 135	118% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	170000		2.777		
540-36-3	1,4-Difluorobenzene	455000		3.942		
3114-55-4	Chlorobenzene-d5	411000		8.865		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV2DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043093.D	40		10/09/25 18:20	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043093.D
 Acq On : 09 Oct 2025 18:20
 Operator : SY/MD
 Sample : Q3320-04DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Oct 09 22:19:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

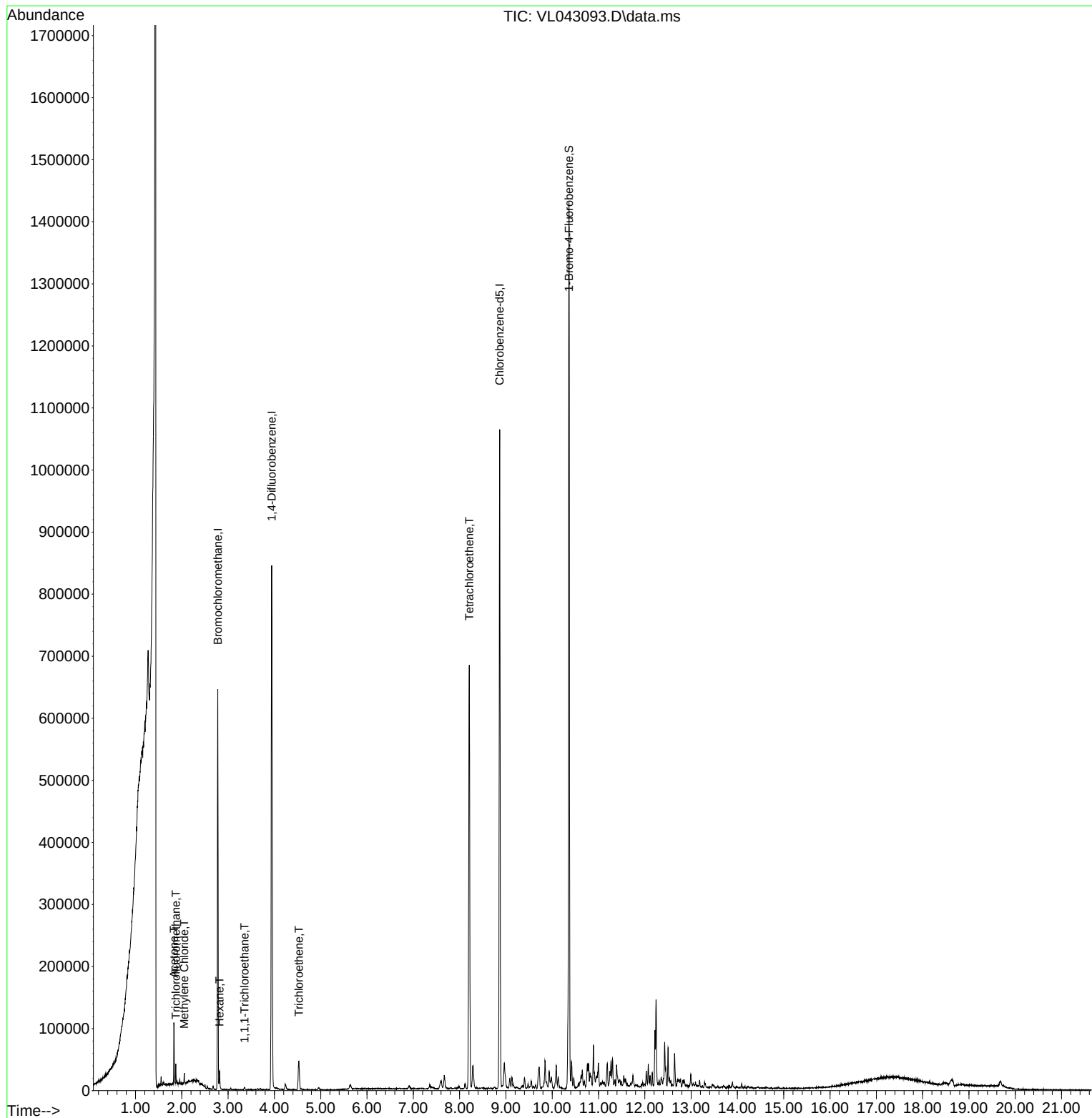
Internal Standards						
1) Bromochloromethane	2.777	49	169568	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	455409	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	411145	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	349829	11.811	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.100%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	1.871	101	8693	0.296	ppbv	94
15) Acetone	1.829	43	41689	1.756	ppbv	93
20) Methylene Chloride	2.055	84	2511	0.242	ppbv	93
26) Hexane	2.816	57	5091	0.222	ppbv #	30
32) 1,1,1-Trichloroethane	3.353	97	1586	0.042	ppbv	94
38) Trichloroethene	4.528	130	12930	0.713	ppbv	96
52) Tetrachloroethene	8.208	164	119406	7.412	ppbv	96

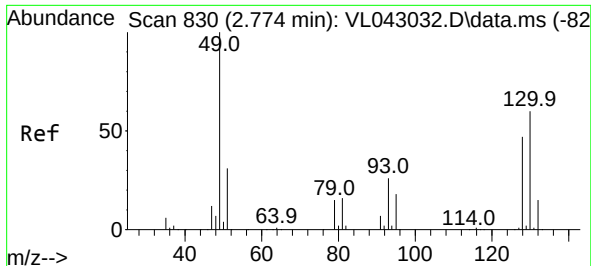
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043093.D
Acq On : 09 Oct 2025 18:20
Operator : SY/MD
Sample : Q3320-04DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Oct 09 22:19:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

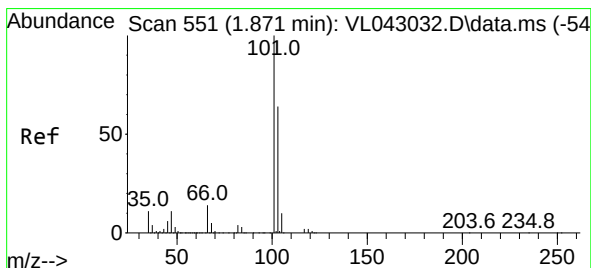
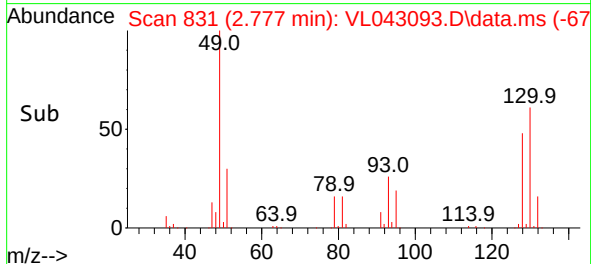
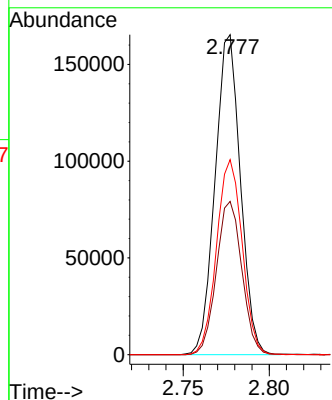
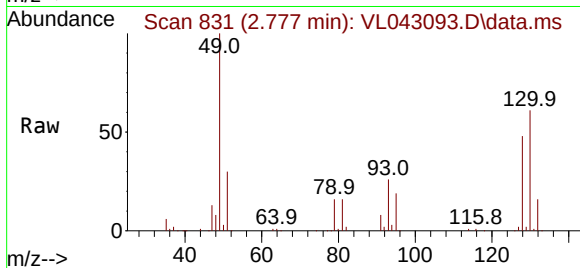




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

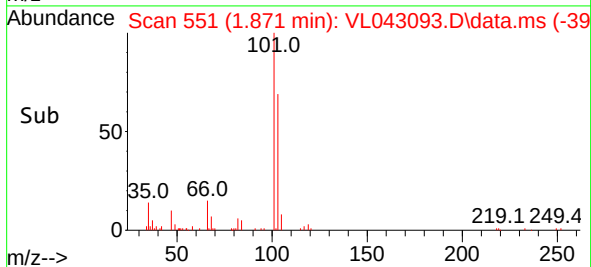
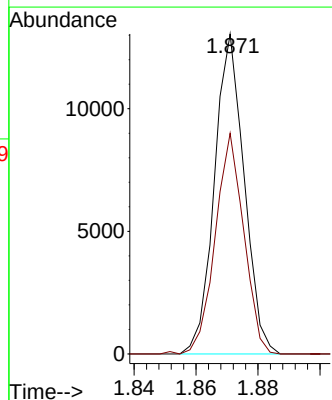
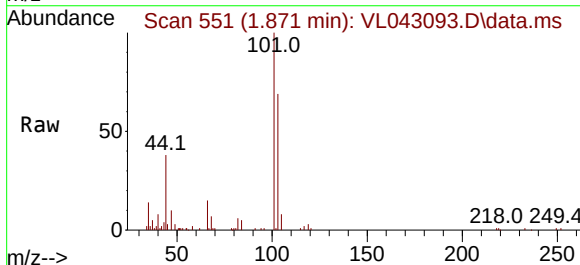
Instrument :
MSVOA_1
ClientSampleId :
SV2DL

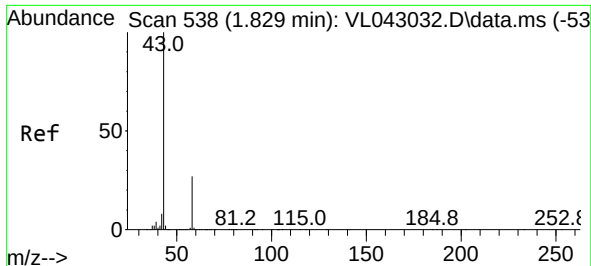
Tgt Ion: 49 Resp: 169568
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 61.6 31.4 94.3



#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:101 Resp: 8693
Ion Ratio Lower Upper
101 100
103 69.0 51.1 76.7

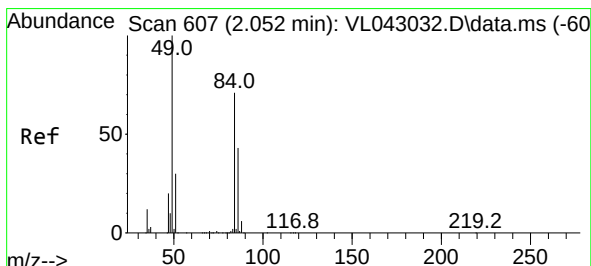
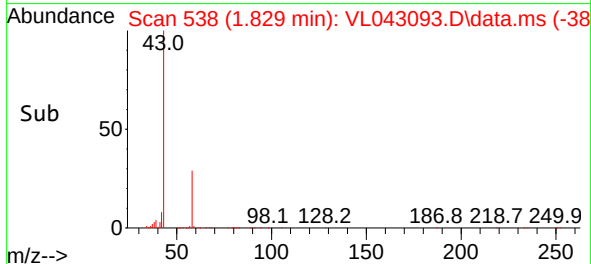
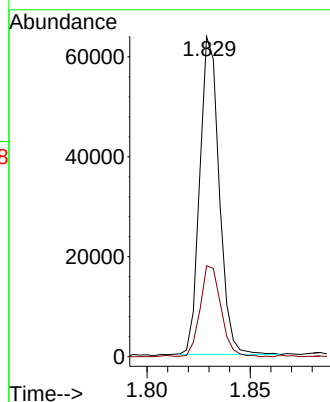
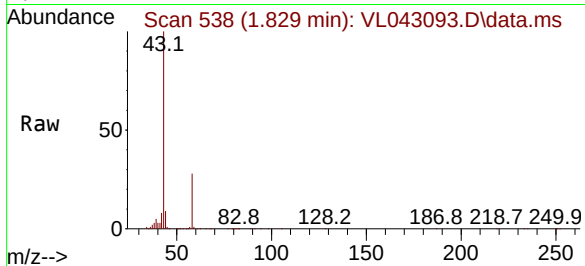




#15
Acetone
Concen: 1.756 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

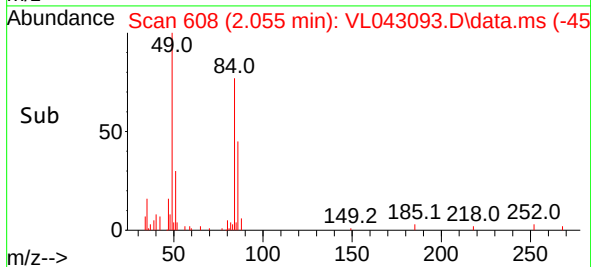
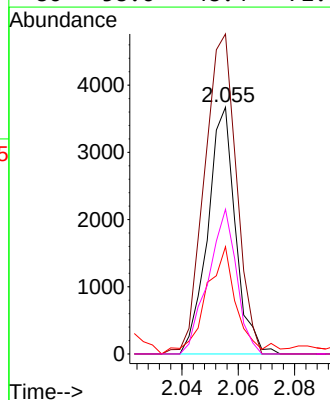
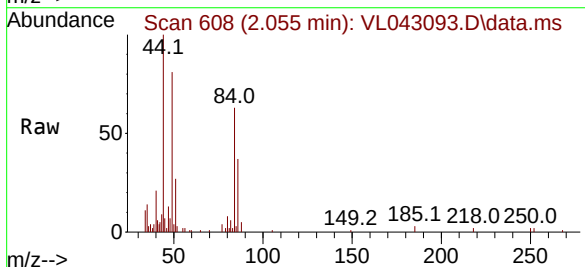
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

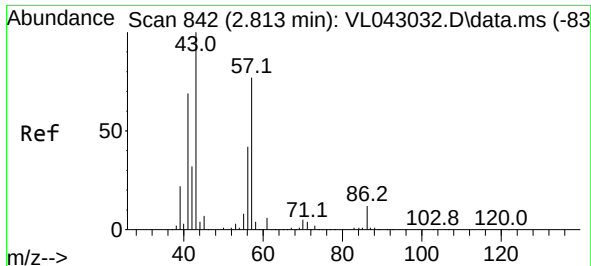
Tgt Ion: 43 Resp: 41689
Ion Ratio Lower Upper
43 100
58 31.7 22.2 33.4



#20
Methylene Chloride
Concen: 0.242 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion: 84 Resp: 2511
Ion Ratio Lower Upper
84 100
49 129.7 112.5 168.7
51 47.0 34.2 51.2
86 58.6 48.4 72.6

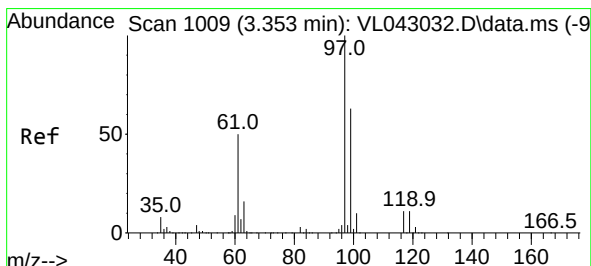
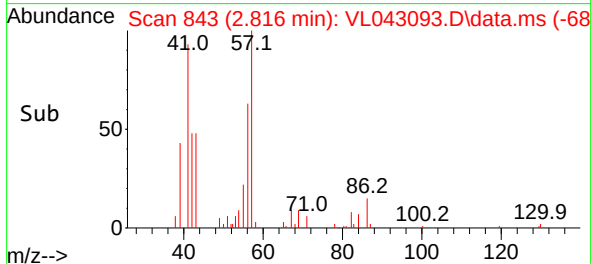
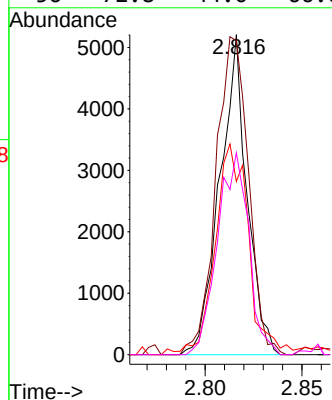
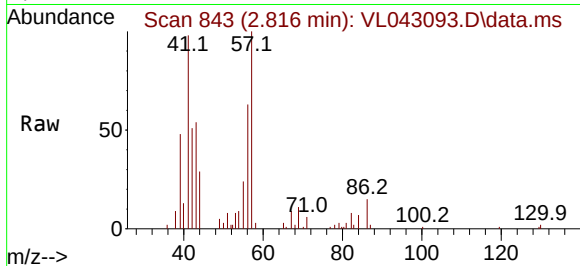




#26
Hexane
Concen: 0.222 ppbv
RT: 2.816 min Scan# 842
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

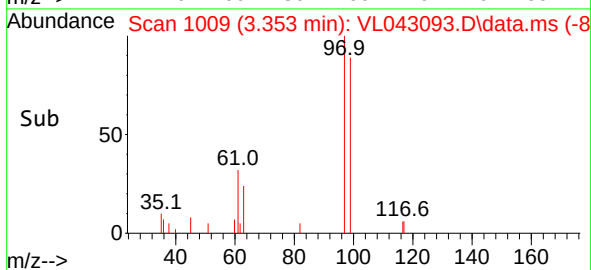
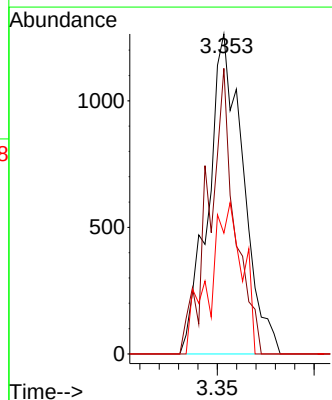
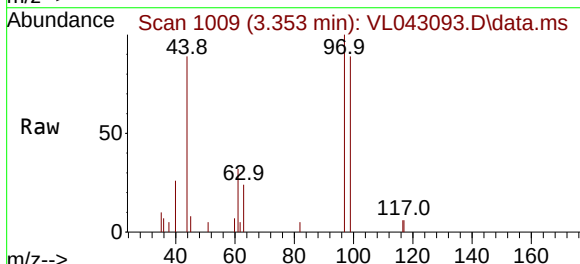
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

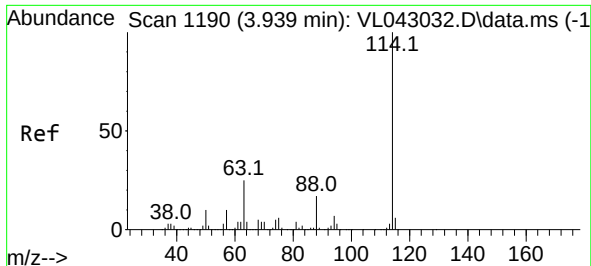
Tgt Ion: 57 Resp: 5091
Ion Ratio Lower Upper
57 100
41 121.6 76.1 114.1#
43 83.5 201.4 302.0#
56 72.8 44.0 66.0#



#32
1,1,1-Trichloroethane
Concen: 0.042 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion: 97 Resp: 1586
Ion Ratio Lower Upper
97 100
99 67.1 51.2 76.8
61 44.7 40.1 60.1

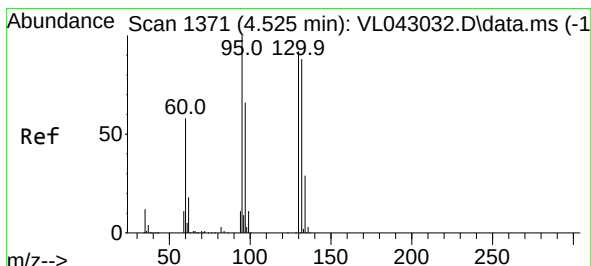
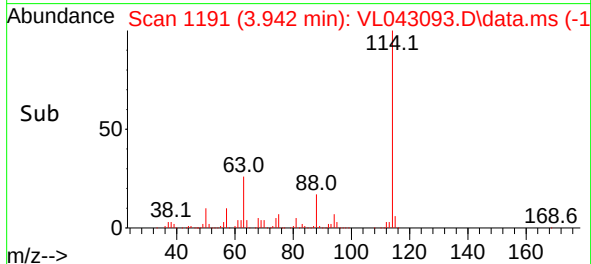
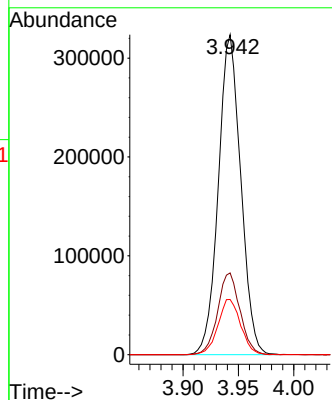
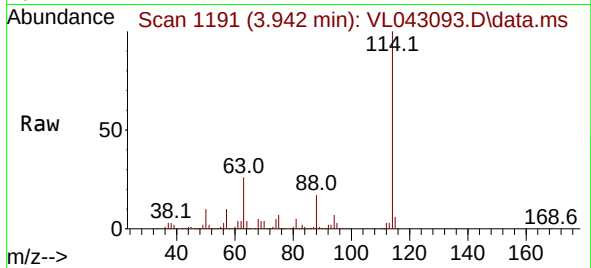




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

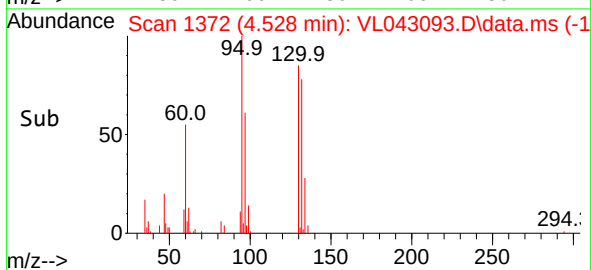
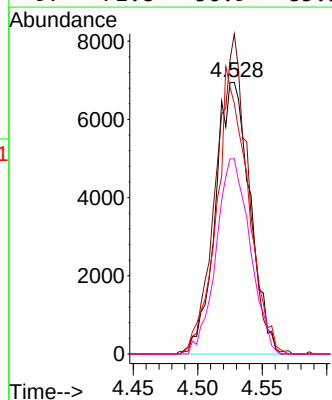
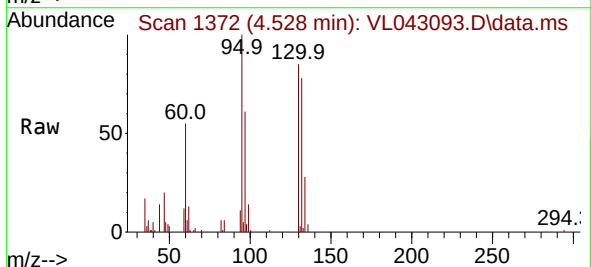
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

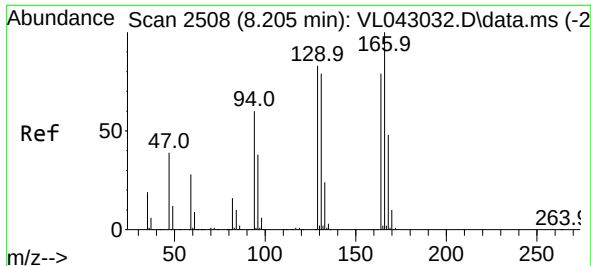
Tgt Ion:114 Resp: 455409
Ion Ratio Lower Upper
114 100
63 25.5 19.4 29.2
88 17.5 13.9 20.9



#38
Trichloroethene
Concen: 0.713 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:130 Resp: 12930
Ion Ratio Lower Upper
130 100
95 117.0 86.4 129.6
132 92.2 75.7 113.5
97 71.8 56.9 85.3

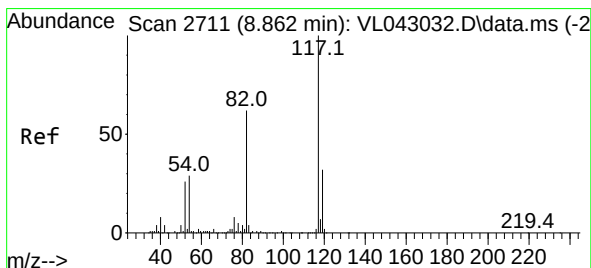
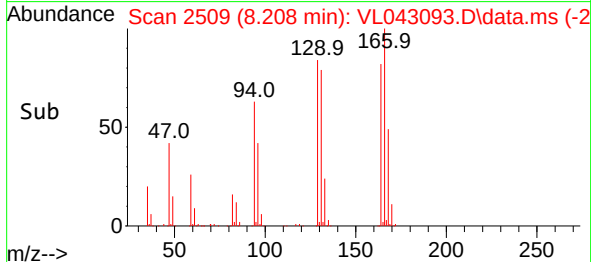
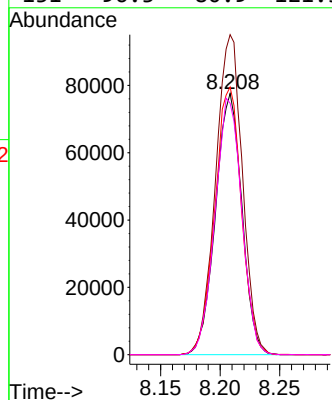
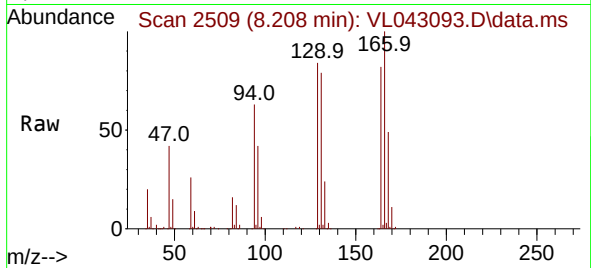




#52
Tetrachloroethene
Concen: 7.412 ppbv
RT: 8.208 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

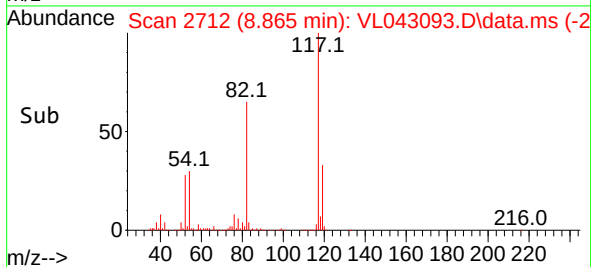
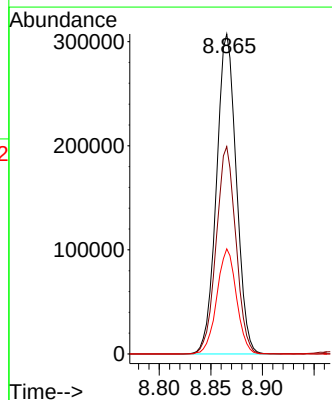
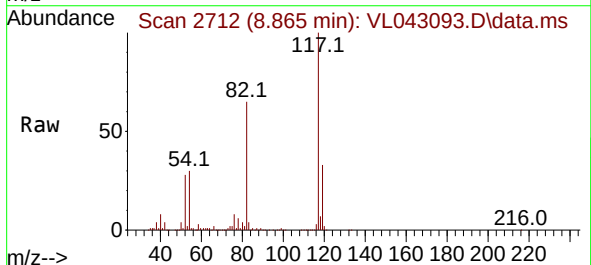
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

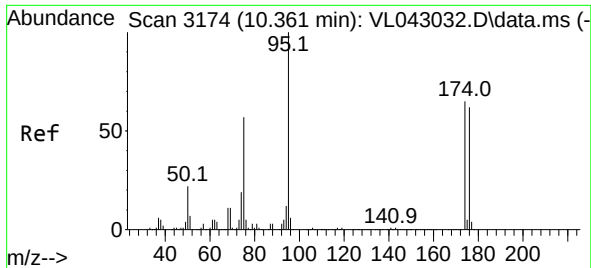
Tgt Ion:164 Resp: 119406
Ion Ratio Lower Upper
164 100
166 122.5 101.8 152.8
129 102.5 84.5 126.7
131 96.3 80.9 121.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. 0.003 min
Lab File: VL043093.D
Acq: 09 Oct 2025 18:20

Tgt Ion:117 Resp: 411145
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.5 25.4 38.2

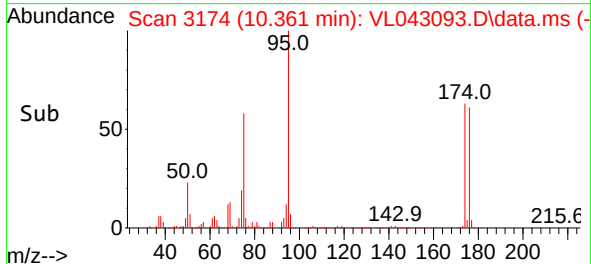
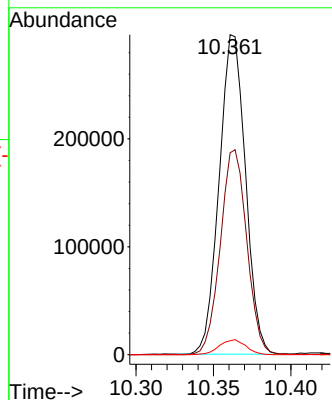
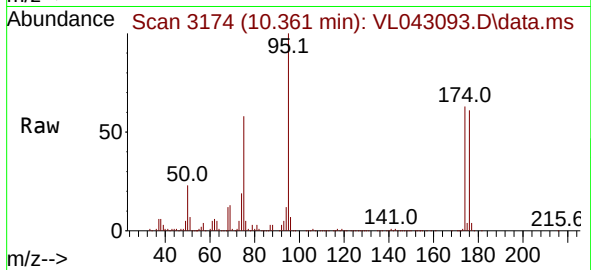




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.811 ppbv
 RT: 10.361 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043093.D
 Acq: 09 Oct 2025 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 95 Resp: 349829
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.3 78.5
 175 4.7 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA3	SDG No.:	Q3320
Lab Sample ID:	Q3320-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043074.D	1		10/09/25 00:22	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.53	2.62		0.54	2.47
74-87-3	Chloromethane	0.52	1.07		0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	4.00	9.50		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	1.90	6.60		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.20	0.59	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.090	0.57		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.040	0.21		0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.18	0.68	J	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA3	SDG No.:	Q3320
Lab Sample ID:	Q3320-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043074.D	1		10/09/25 00:22	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.040	0.27		0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	1.20	4.23		0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	9.70			65 - 135	97% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	167000		2.781		
540-36-3	1,4-Difluorobenzene	427000		3.949		
3114-55-4	Chlorobenzene-d5	339000		8.872		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA3	SDG No.:	Q3320
Lab Sample ID:	Q3320-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043074.D	1		10/09/25 00:22	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043074.D
 Acq On : 09 Oct 2025 00:22
 Operator : SY/MD
 Sample : Q3320-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:26:56 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	167022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	426656	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	339471	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	238110	9.737	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	14910	0.530	ppbv	97
3) Chlorodifluoromethane	1.473	51	11666m	0.428	ppbv	
4) Chloromethane	1.531	50	5306	0.516	ppbv	94
9) Propene	1.486	41	11608	1.057	ppbv #	80
11) Trichlorofluoromethane	1.874	101	7450	0.258	ppbv	100
13) Ethanol	1.719	45	114736	287.088	ppbv	88
15) Acetone	1.832	43	94442	4.038	ppbv	100
20) Methylene Chloride	2.059	84	19598	1.920	ppbv #	89
26) Hexane	2.819	57	26844	1.189	ppbv #	35
29) Chloroform	2.839	83	3994	0.104	ppbv	93
34) 2-Butanone	2.554	43	5741	0.198	ppbv	96
35) Carbon Tetrachloride	3.755	117	2979m	0.085	ppbv	
38) Trichloroethene	4.535	130	666m	0.039	ppbv	
52) Tetrachloroethene	8.212	164	576m	0.038	ppbv	
53) Toluene	6.920	91	7415	0.180	ppbv	98

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

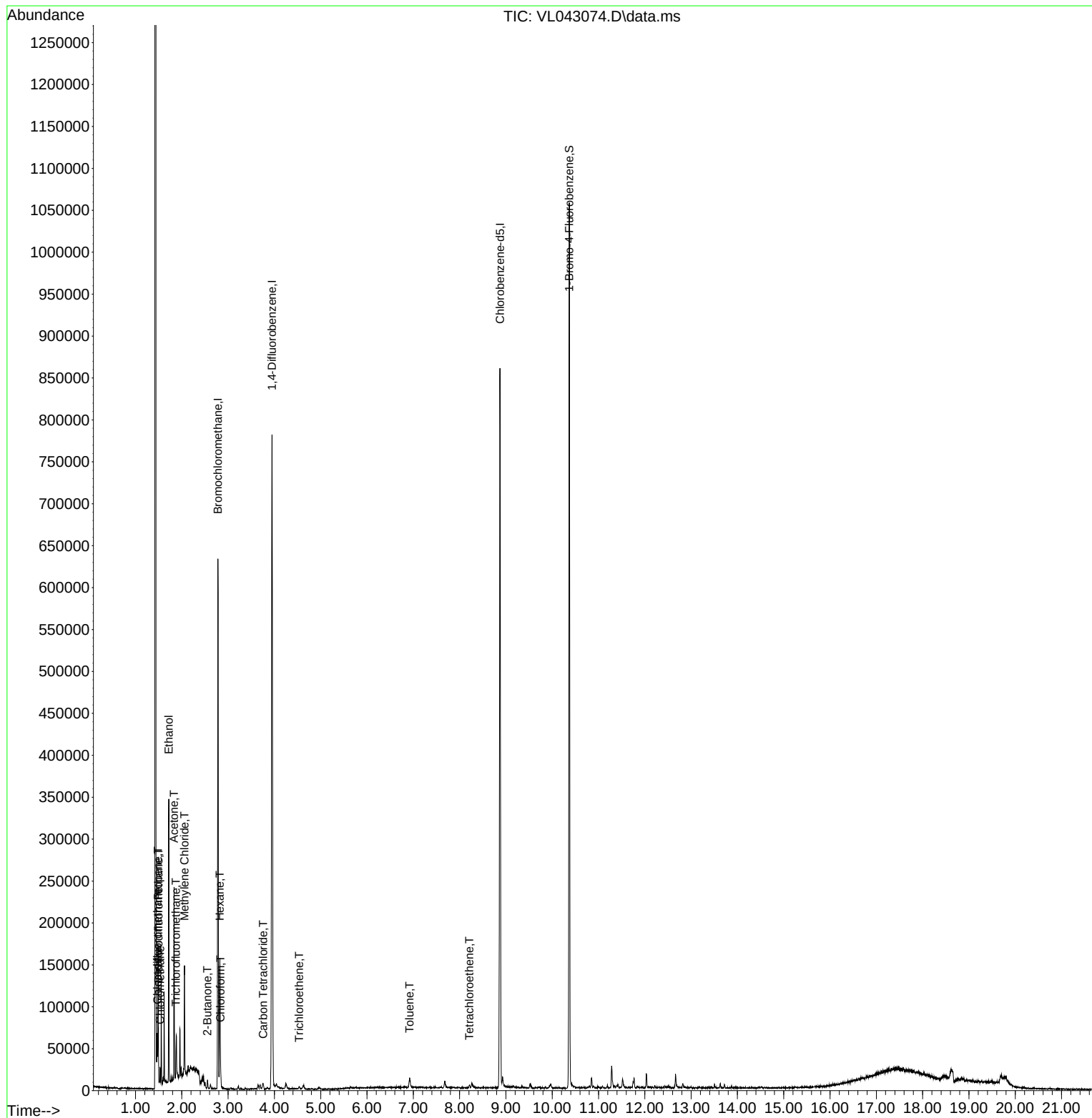
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Data File : VL043074.D
Acq On : 09 Oct 2025 00:22
Operator : SY/MD
Sample : Q3320-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

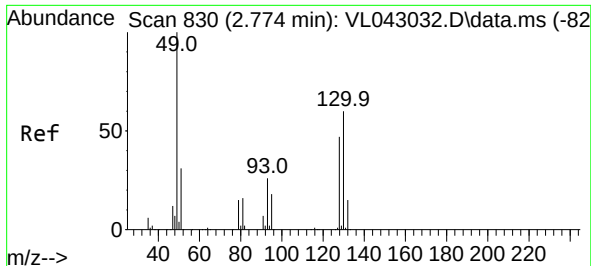
Instrument :
MSVOA_L
ClientSampleId :
IA3

Quant Time: Oct 09 01:26:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

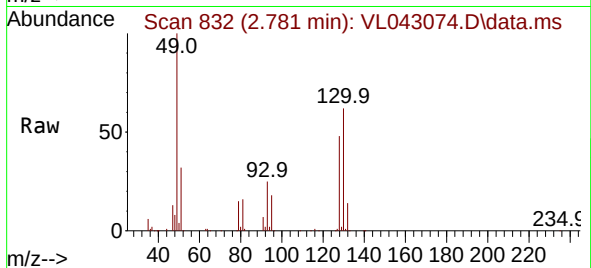
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

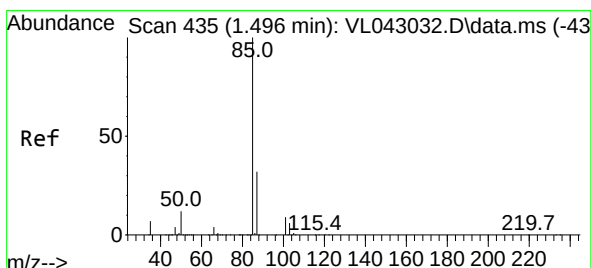
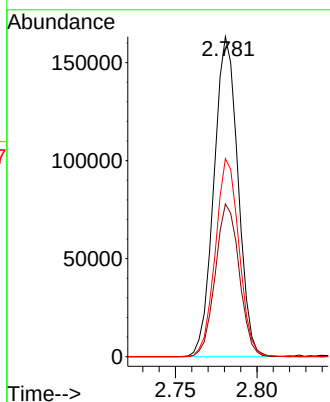
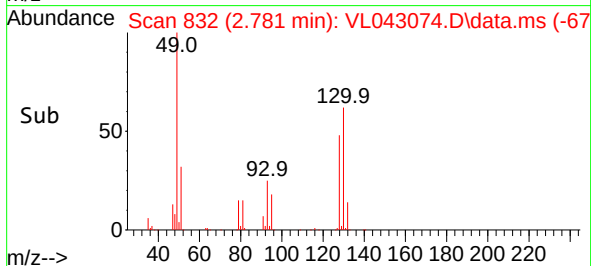
Instrument :
MSVOA_L
ClientSampleId :
IA3



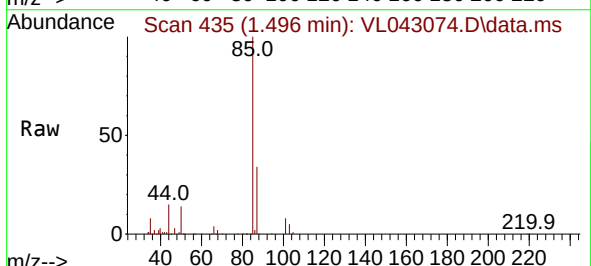
Tgt Ion: 49 Resp: 16702
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 61.0 31.4 94.3

Manual Integrations
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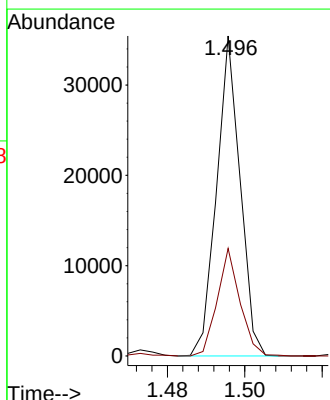
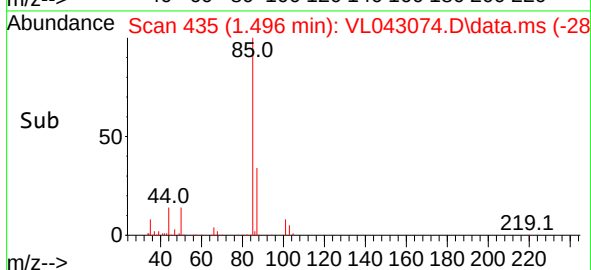
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

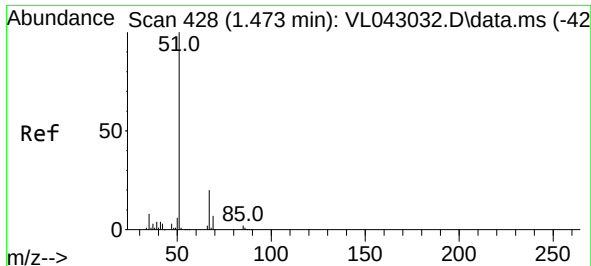


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22



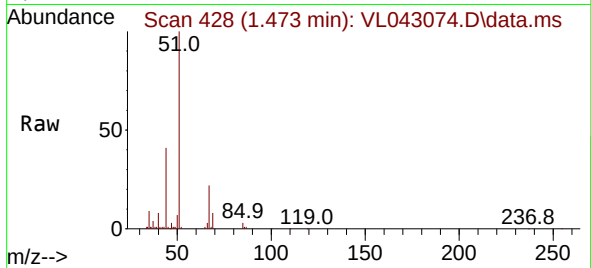
Tgt Ion: 85 Resp: 14910
Ion Ratio Lower Upper
85 100
87 33.6 25.8 38.6





#3
Chlorodifluoromethane
Concen: 0.428 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

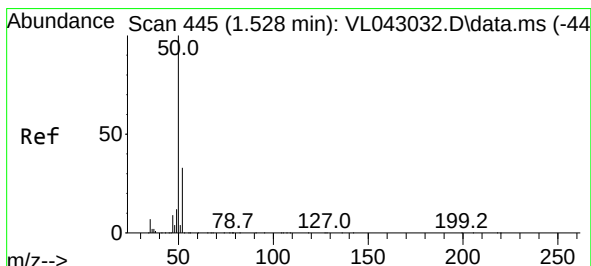
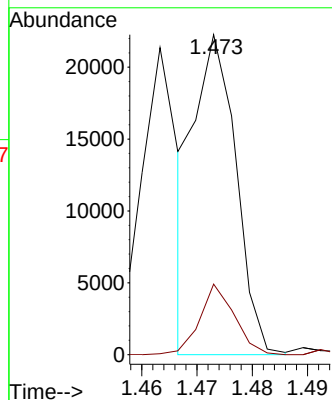
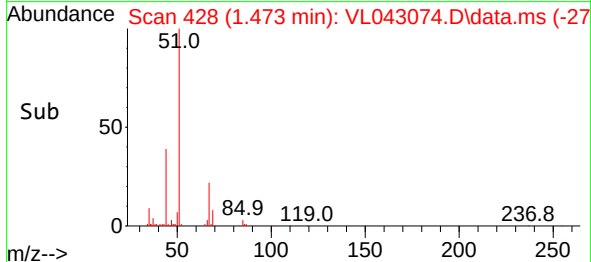
Instrument :
MSVOA_L
ClientSampleId :
IA3



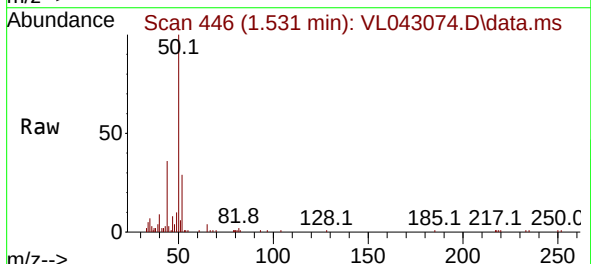
Tgt Ion: 51 Resp: 1166
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7

Manual Integrations
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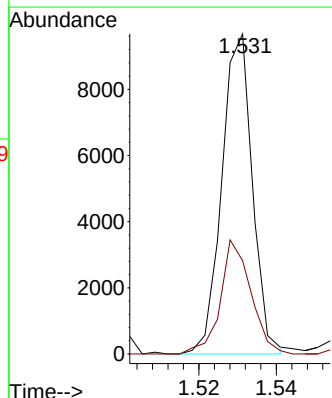
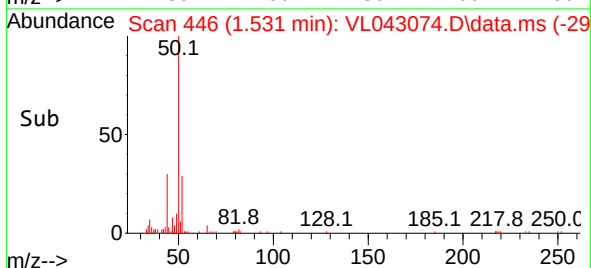
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

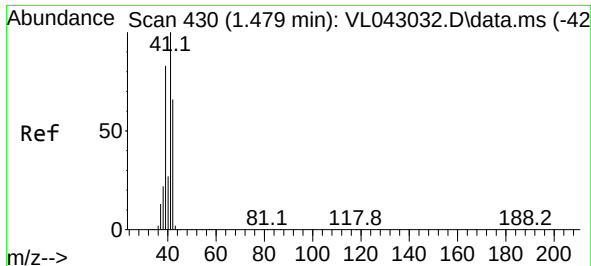


#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22



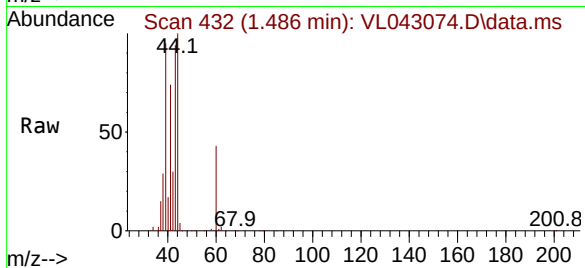
Tgt Ion: 50 Resp: 5306
Ion Ratio Lower Upper
50 100
52 29.2 26.2 39.2





#9
Propene
Concen: 1.057 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

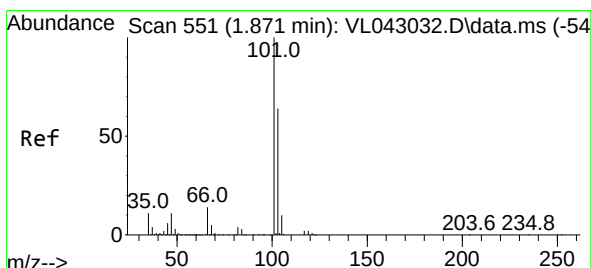
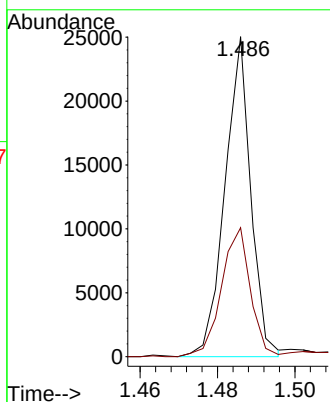
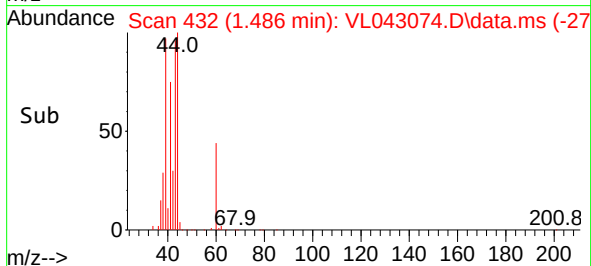
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 41 Resp: 11608
Ion Ratio Lower Upper
41 100
42 50.8 53.3 79.9

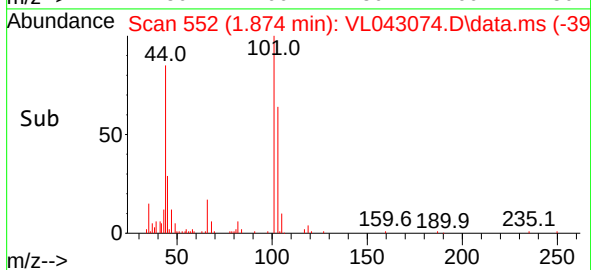
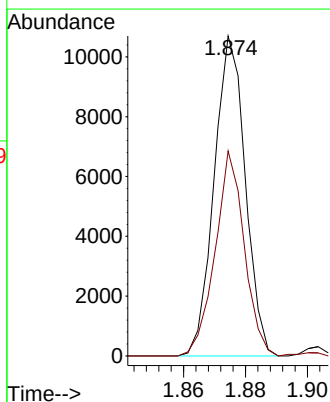
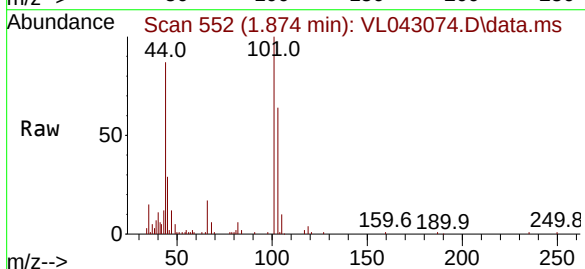
Manual Integrations
APPROVED

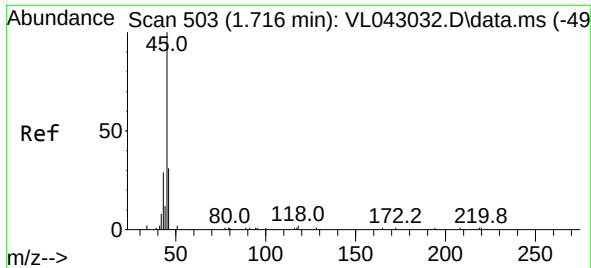
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 1.874 min Scan# 552
Delta R.T. 0.003 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

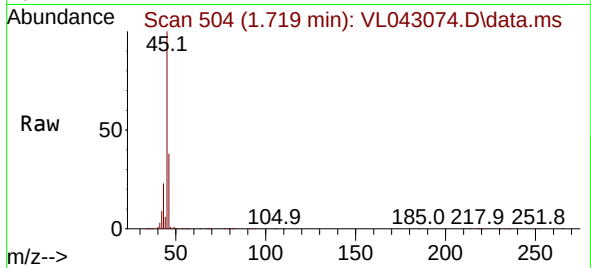
Tgt Ion:101 Resp: 7450
Ion Ratio Lower Upper
101 100
103 64.1 51.1 76.7





#13
Ethanol
Concen: 287.088 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

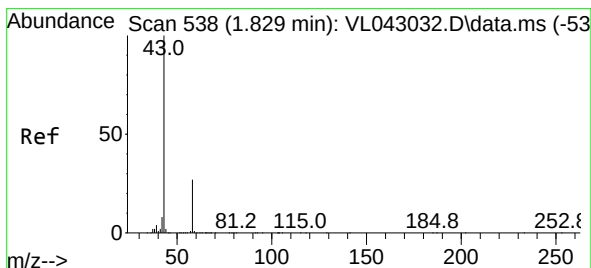
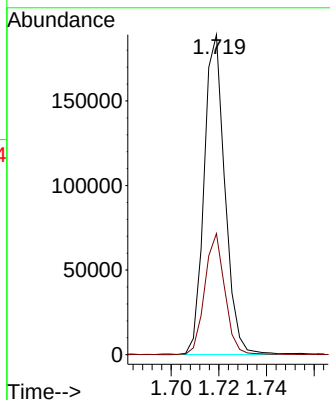
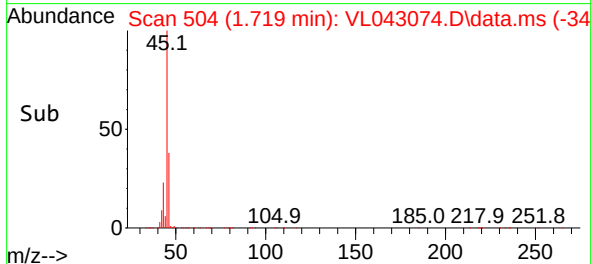
Instrument :
MSVOA_L
ClientSampleId :
IA3



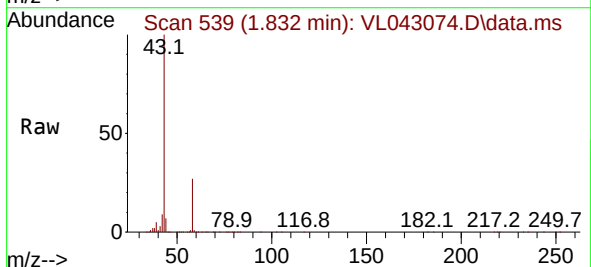
Tgt Ion: 45 Resp: 114730
Ion Ratio Lower Upper
45 100
46 36.9 17.8 71.4

Manual Integrations
APPROVED

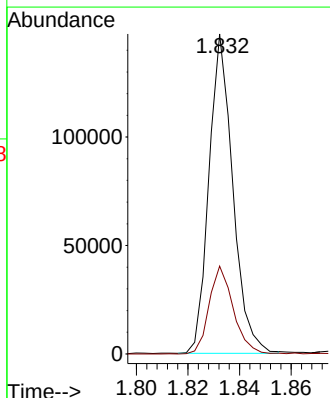
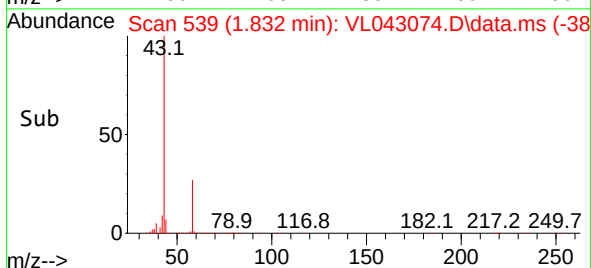
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

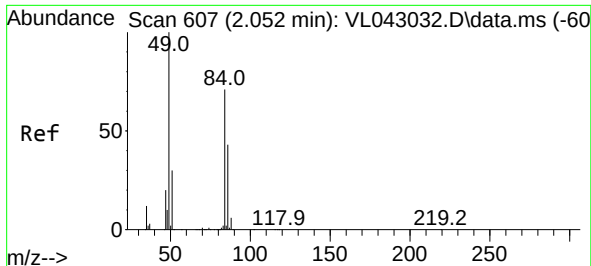


#15
Acetone
Concen: 4.038 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22



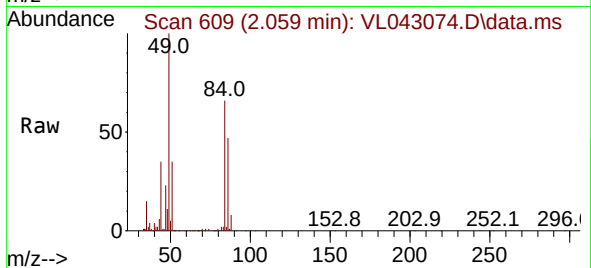
Tgt Ion: 43 Resp: 94442
Ion Ratio Lower Upper
43 100
58 28.0 22.2 33.4





#20
Methylene Chloride
Concen: 1.920 ppbv
RT: 2.059 min Scan# 607
Delta R.T. 0.007 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

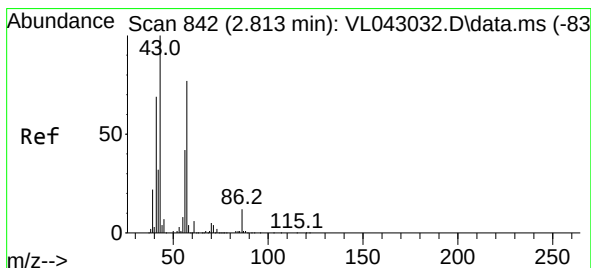
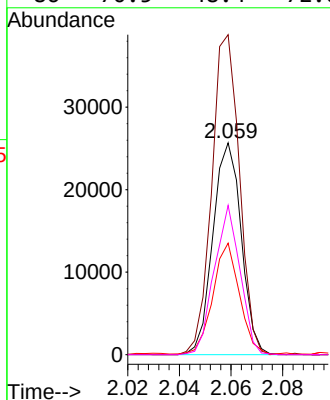
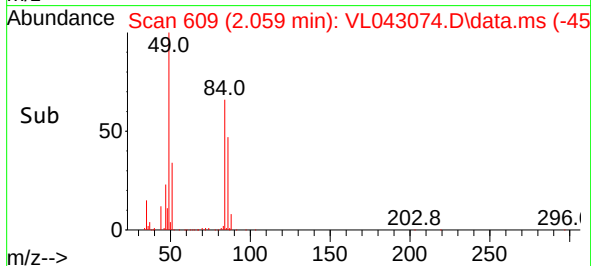
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 84 Resp: 19598
Ion Ratio Lower Upper
84 100
49 151.1 112.5 168.7
51 52.3 34.2 51.2
86 70.5 48.4 72.6

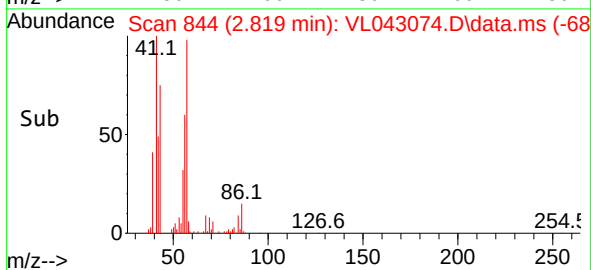
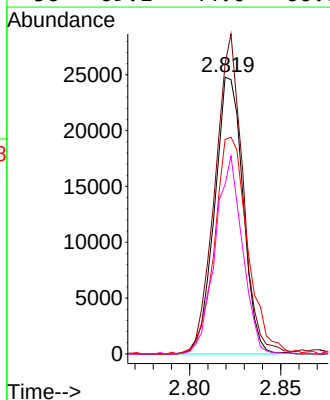
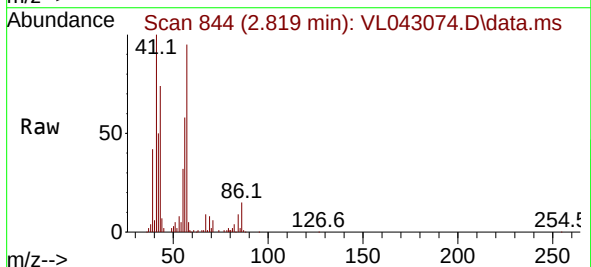
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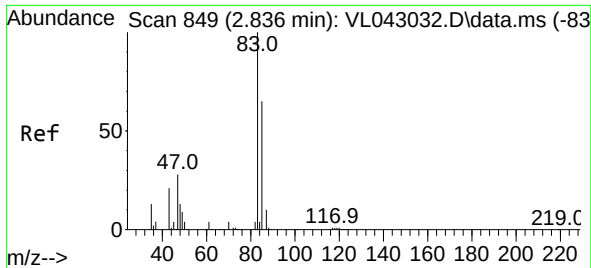
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 1.189 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.007 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

Tgt Ion: 57 Resp: 26844
Ion Ratio Lower Upper
57 100
41 115.2 76.1 114.1#
43 91.5 201.4 302.0#
56 69.1 44.0 66.0#





#29

Chloroform

Concen: 0.104 ppbv

RT: 2.839 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043074.D

Acq: 09 Oct 2025 00:22

Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion: 83 Resp: 3994

Ion Ratio Lower Upper

83 100

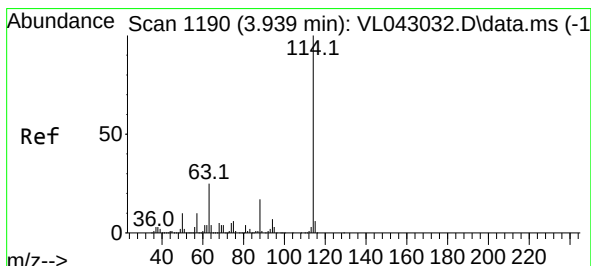
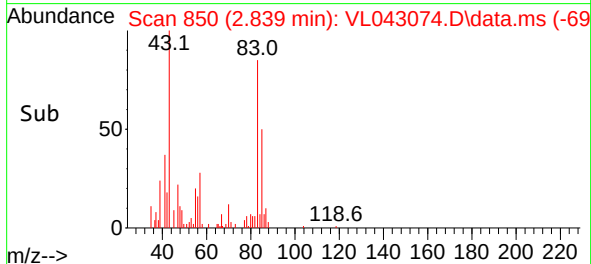
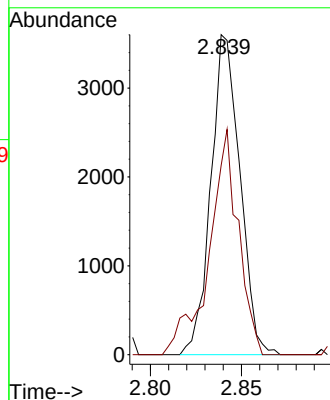
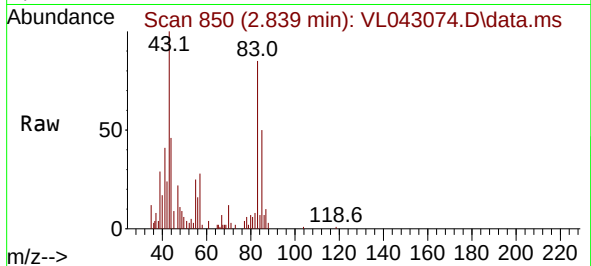
85 59.2 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. 0.010 min

Lab File: VL043074.D

Acq: 09 Oct 2025 00:22

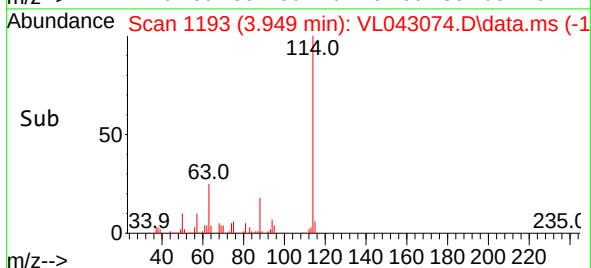
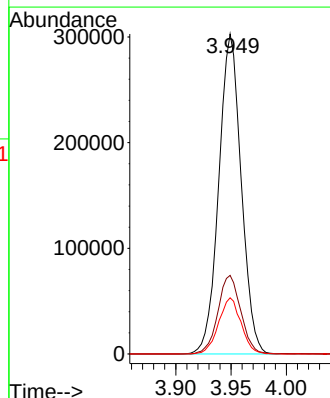
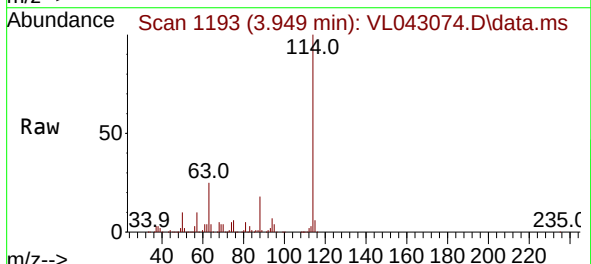
Tgt Ion:114 Resp: 426656

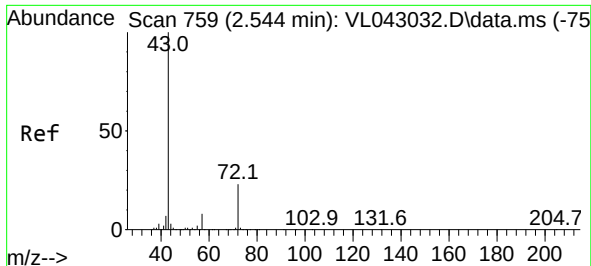
Ion Ratio Lower Upper

114 100

63 25.1 19.4 29.2

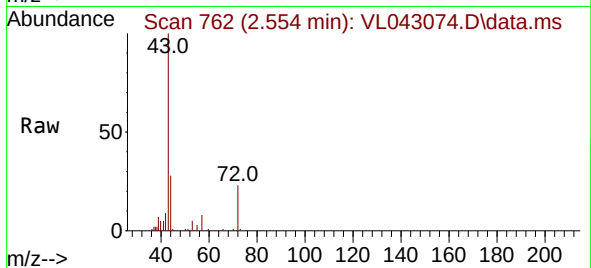
88 17.5 13.9 20.9





#34
2-Butanone
Concen: 0.198 ppbv
RT: 2.554 min Scan# 759
Delta R.T. 0.010 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

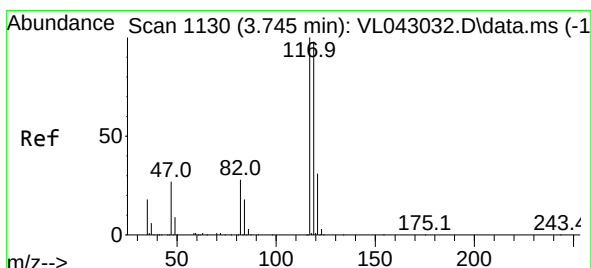
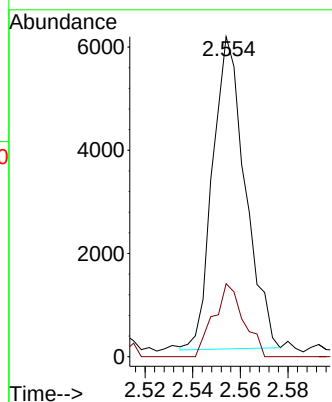
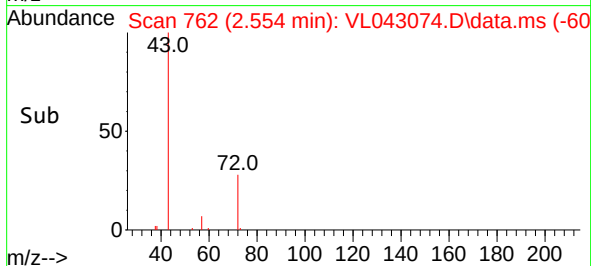
Instrument :
MSVOA_L
ClientSampleId :
IA3



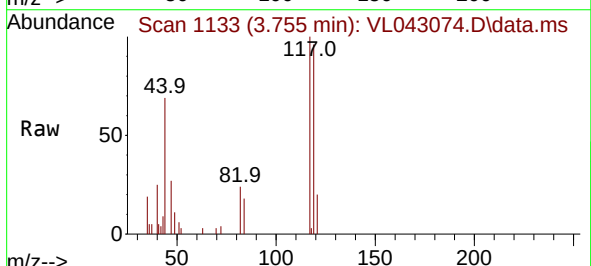
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 21.3 18.4 27.6

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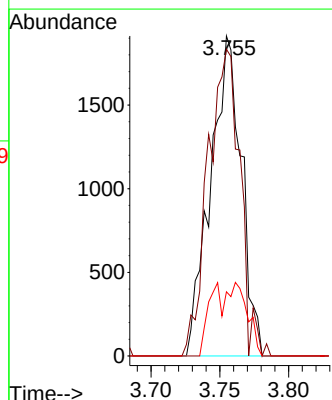
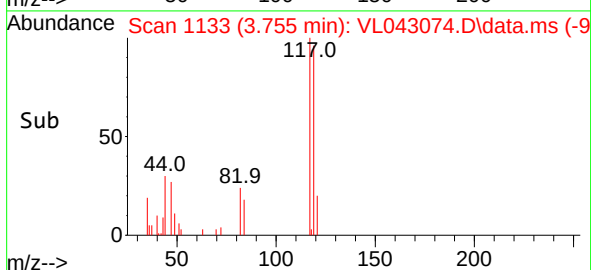
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

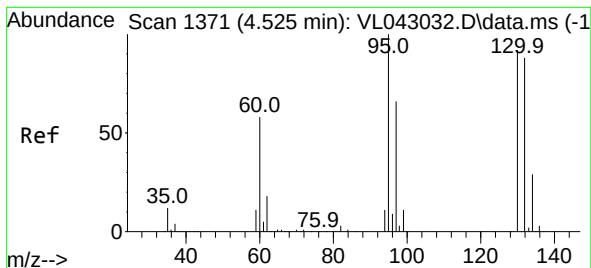


#35
Carbon Tetrachloride
Concen: 0.085 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22



Tgt Ion:117 Resp: 2979
Ion Ratio Lower Upper
117 100
119 95.9 78.2 117.4
121 20.1 24.8 37.2#





#38

Trichloroethene

Concen: 0.039 ppbv m

RT: 4.535 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL043074.D

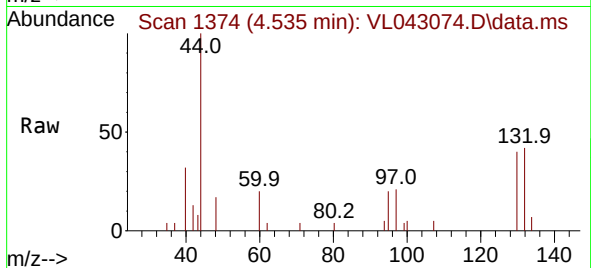
Acq: 09 Oct 2025 00:22

Instrument :

MSVOA_L

ClientSampleId :

IA3



Tgt Ion:130 Resp: 660

Ion Ratio Lower Upper

130 100

95 48.9 86.4 129.6

132 105.1 75.7 113.5

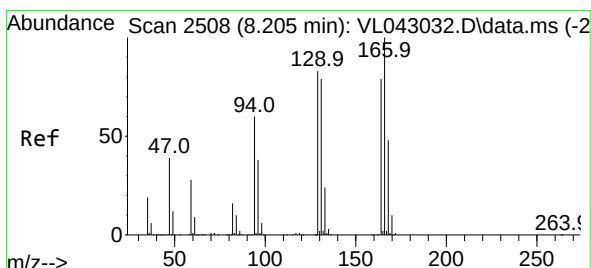
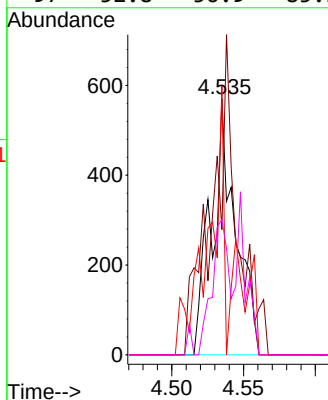
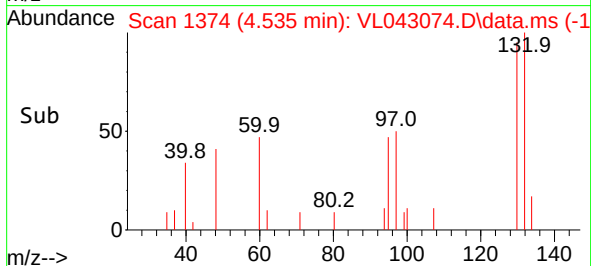
97 52.8 56.9 85.3#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Tetrachloroethene

Concen: 0.038 ppbv m

RT: 8.212 min Scan# 2510

Delta R.T. 0.007 min

Lab File: VL043074.D

Acq: 09 Oct 2025 00:22

Tgt Ion:164 Resp: 576

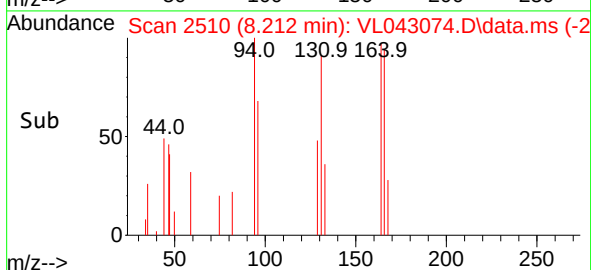
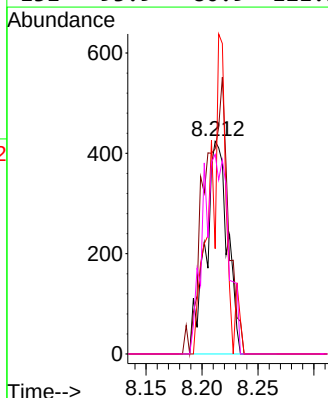
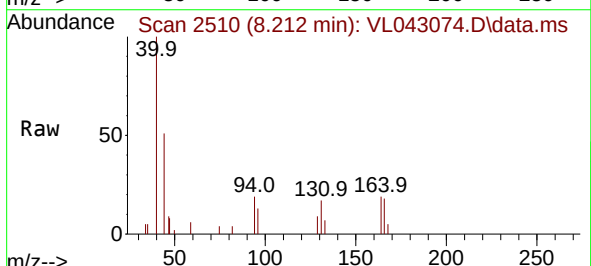
Ion Ratio Lower Upper

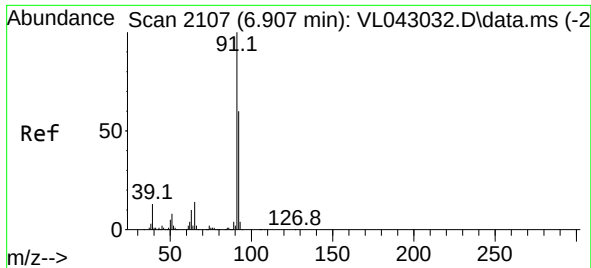
164 100

166 96.5 101.8 152.8#

129 49.5 84.5 126.7#

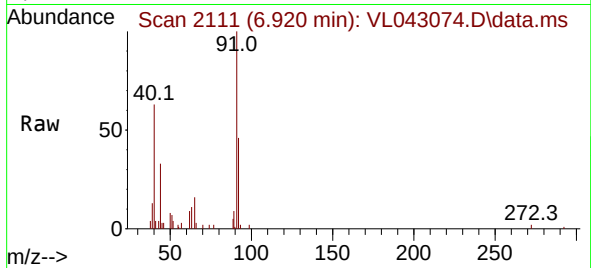
131 93.9 80.9 121.3





#53
Toluene
Concen: 0.180 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

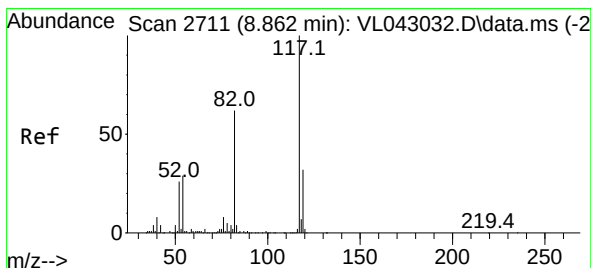
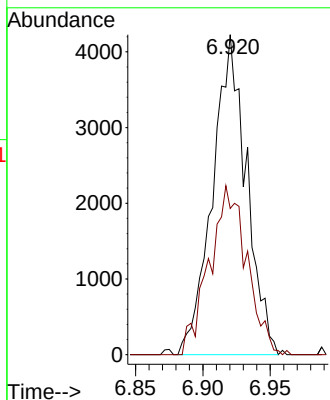
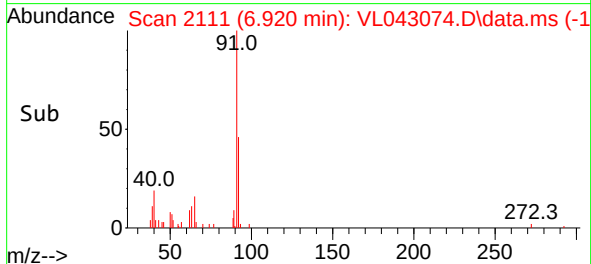
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 91 Resp: 741
Ion Ratio Lower Upper
91 100
92 58.2 47.8 71.6

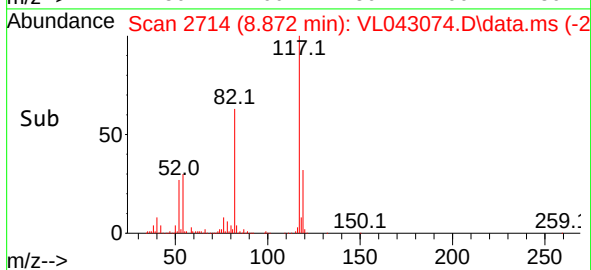
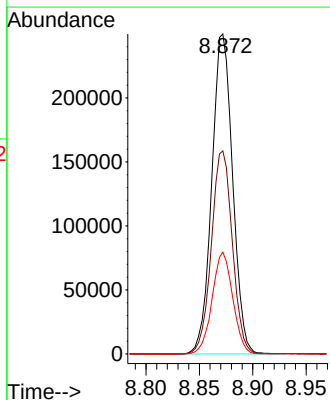
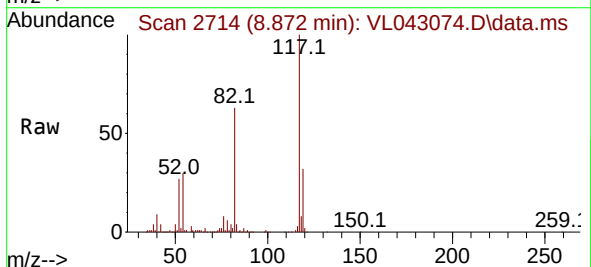
Manual Integrations
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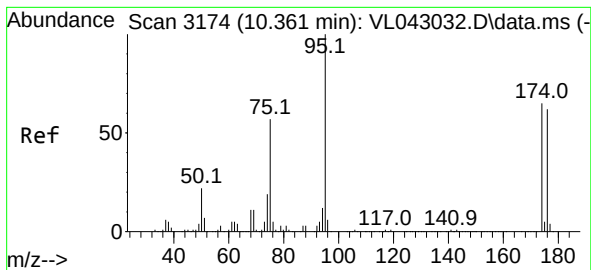
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.010 min
Lab File: VL043074.D
Acq: 09 Oct 2025 00:22

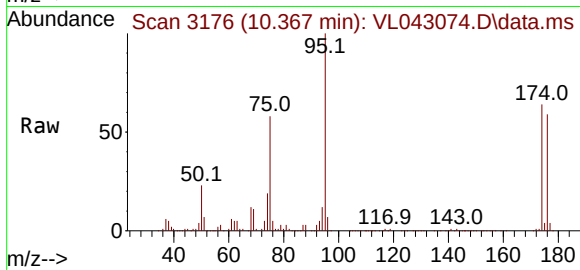
Tgt Ion:117 Resp: 339471
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 31.5 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.737 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.007 min
 Lab File: VL043074.D
 Acq: 09 Oct 2025 00:22

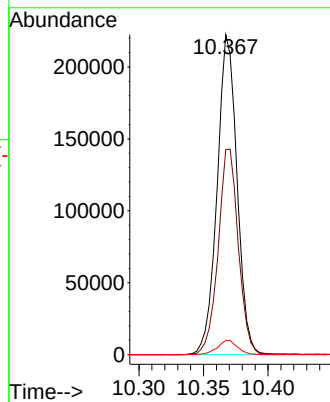
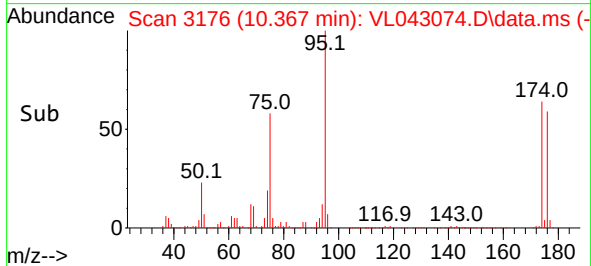
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3



Tgt Ion: 95 Resp: 238110
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.3 78.5
 175 4.6 3.8 5.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV3	SDG No.:	Q3320
Lab Sample ID:	Q3320-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043094.D	5		10/09/25 18:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.55	2.72	U	2.72	12.4
74-87-3	Chloromethane	0.49	1.01	U	1.01	5.16
75-01-4	Vinyl Chloride	0.13	0.33	U	0.33	0.38
74-83-9	Bromomethane	0.39	1.51	U	1.51	9.71
75-00-3	Chloroethane	0.75	1.98	U	1.98	6.60
109-99-9	Tetrahydrofuran	0.83	2.45	J	1.18	7.37
75-69-4	Trichlorofluoromethane	0.95	5.34	J	4.78	14.1
76-13-1	1,1,2-Trichlorotrifluoroethane	0.70	5.37	U	5.37	19.2
76-14-2	Dichlorotetrafluoroethane	0.75	5.24	U	5.24	17.5
75-65-0	tert-Butyl alcohol	0.80	2.43	U	2.43	7.58
142-82-5	Heptane	2.20	9.02	J	3.48	10.3
75-35-4	1,1-Dichloroethene	0.75	2.97	U	2.97	9.91
67-64-1	Acetone	58.0	138		2.14	5.94
75-15-0	Carbon Disulfide	0.40	1.25	U	1.25	7.79
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	U	4.33	9.01
75-09-2	Methylene Chloride	1.30	4.52	J	4.17	8.69
156-60-5	trans-1,2-Dichloroethene	0.60	2.38	U	2.38	9.91
75-34-3	1,1-Dichloroethane	0.65	2.63	U	2.63	10.1
110-82-7	Cyclohexane	1.10	3.79	U	3.79	8.61
78-93-3	2-Butanone	1.10	3.24	J	0.83	7.37
56-23-5	Carbon Tetrachloride	0.13	0.82	U	0.82	0.94
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	1.98	9.91
67-66-3	Chloroform	0.48	2.34	U	2.34	12.2
71-55-6	1,1,1-Trichloroethane	0.080	0.44	U	0.44	0.82
540-84-1	2,2,4-Trimethylpentane	0.70	3.27	U	3.27	11.7
71-43-2	Benzene	0.40	1.28	U	1.28	7.99
107-06-2	1,2-Dichloroethane	0.47	1.90	U	1.90	10.1
79-01-6	Trichloroethene	0.47	2.53		0.64	0.81
78-87-5	1,2-Dichloropropane	0.65	3.00	U	3.00	11.6
75-27-4	Bromodichloromethane	0.32	2.14	U	2.14	16.8
108-10-1	4-Methyl-2-Pentanone	0.49	2.01	U	2.01	10.3
108-88-3	Toluene	3.00	11.3		3.01	9.42
10061-02-6	t-1,3-Dichloropropene	0.75	3.40	U	3.40	11.3
10061-01-5	cis-1,3-Dichloropropene	0.55	2.50	U	2.50	11.3
79-00-5	1,1,2-Trichloroethane	0.41	2.24	U	2.24	13.6

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV3	SDG No.:	Q3320
Lab Sample ID:	Q3320-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043094.D	5		10/09/25 18:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.43	3.66	U	3.66	21.3
106-93-4	1,2-Dibromoethane	0.43	3.30	U	3.30	3.84
127-18-4	Tetrachloroethene	0.45	3.05		0.54	1.02
108-90-7	Chlorobenzene	0.39	1.80	U	1.80	11.5
100-41-4	Ethyl Benzene	0.95	4.13	U	4.13	10.9
179601-23-1	m/p-Xylene	2.10	9.12	U	9.12	21.7
95-47-6	o-Xylene	1.10	4.78	J	4.78	10.9
100-42-5	Styrene	0.80	3.41	U	3.41	10.6
75-25-2	Bromoform	0.24	2.48	U	2.48	25.9
79-34-5	1,1,2,2-Tetrachloroethane	0.090	0.62	U	0.62	1.03
95-49-8	2-Chlorotoluene	0.85	4.40	U	4.40	12.9
108-67-8	1,3,5-Trimethylbenzene	0.90	4.42	U	4.42	12.3
95-63-6	1,2,4-Trimethylbenzene	0.90	4.42	U	4.42	12.3
541-73-1	1,3-Dichlorobenzene	0.27	1.62	U	1.62	15.0
106-46-7	1,4-Dichlorobenzene	0.65	3.91	U	3.91	15.0
95-50-1	1,2-Dichlorobenzene	0.65	3.91	U	3.91	15.0
120-82-1	1,2,4-Trichlorobenzene	1.10	8.17	U	8.17	18.6
87-68-3	Hexachloro-1,3-Butadiene	0.65	6.93	U	6.93	26.7
106-99-0	1,3-Butadiene	0.26	0.58	U	0.58	5.53
91-20-3	Naphthalene	0.070	0.37	U	0.37	2.62
622-96-8	4-Ethyltoluene	1.10	5.41	U	5.41	12.3
110-54-3	Hexane	17.2	60.6		2.82	8.81
107-05-1	Allyl Chloride	0.55	1.72	U	1.72	7.83
123-91-1	1,4-Dioxane	1.10	3.96	U	3.96	9.01
80-62-6	Methyl Methacrylate	0.70	2.87	U	2.87	10.2
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.2			65 - 135	112% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	192000		2.774		
540-36-3	1,4-Difluorobenzene	503000		3.942		
3114-55-4	Chlorobenzene-d5	519000		8.862		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV3	SDG No.:	Q3320
Lab Sample ID:	Q3320-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043094.D	5		10/09/25 18:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043094.D
 Acq On : 09 Oct 2025 18:54
 Operator : SY/MD
 Sample : Q3320-06 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:19:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	191981	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	503256	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	519202	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	418553	11.191	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.900%
Target Compounds						
					Qvalue	
9) Propene	1.476	41	2701	0.214	ppbv #	82
10) Heptane	4.956	43	13600	0.438	ppbv	98
11) Trichlorofluoromethane	1.871	101	6274	0.189	ppbv	85
13) Ethanol	1.716	45	4552	8.683	ppbv #	31
15) Acetone	1.829	43	311600	11.592	ppbv	99
19) Isopropyl Alcohol	1.881	45	5186m	0.403	ppbv	
20) Methylene Chloride	2.052	84	2955	0.252	ppbv	93
26) Hexane	2.813	57	89180	3.438	ppbv #	33
30) Cyclohexane	3.836	84	2609m	0.122	ppbv	
34) 2-Butanone	2.551	43	7371	0.216	ppbv	94
38) Trichloroethene	4.528	130	1874m	0.094	ppbv	
41) Tetrahydrofuran	3.049	42	2921m	0.166	ppbv	
52) Tetrachloroethene	8.208	164	1576m	0.089	ppbv	
53) Toluene	6.907	91	29082	0.599	ppbv	100
58) Ethyl Benzene	9.338	91	8870	0.110	ppbv	92
59) m/p-Xylene	9.513	91	19679m	0.290	ppbv	
60) o-Xylene	9.943	91	14732	0.218	ppbv	92

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

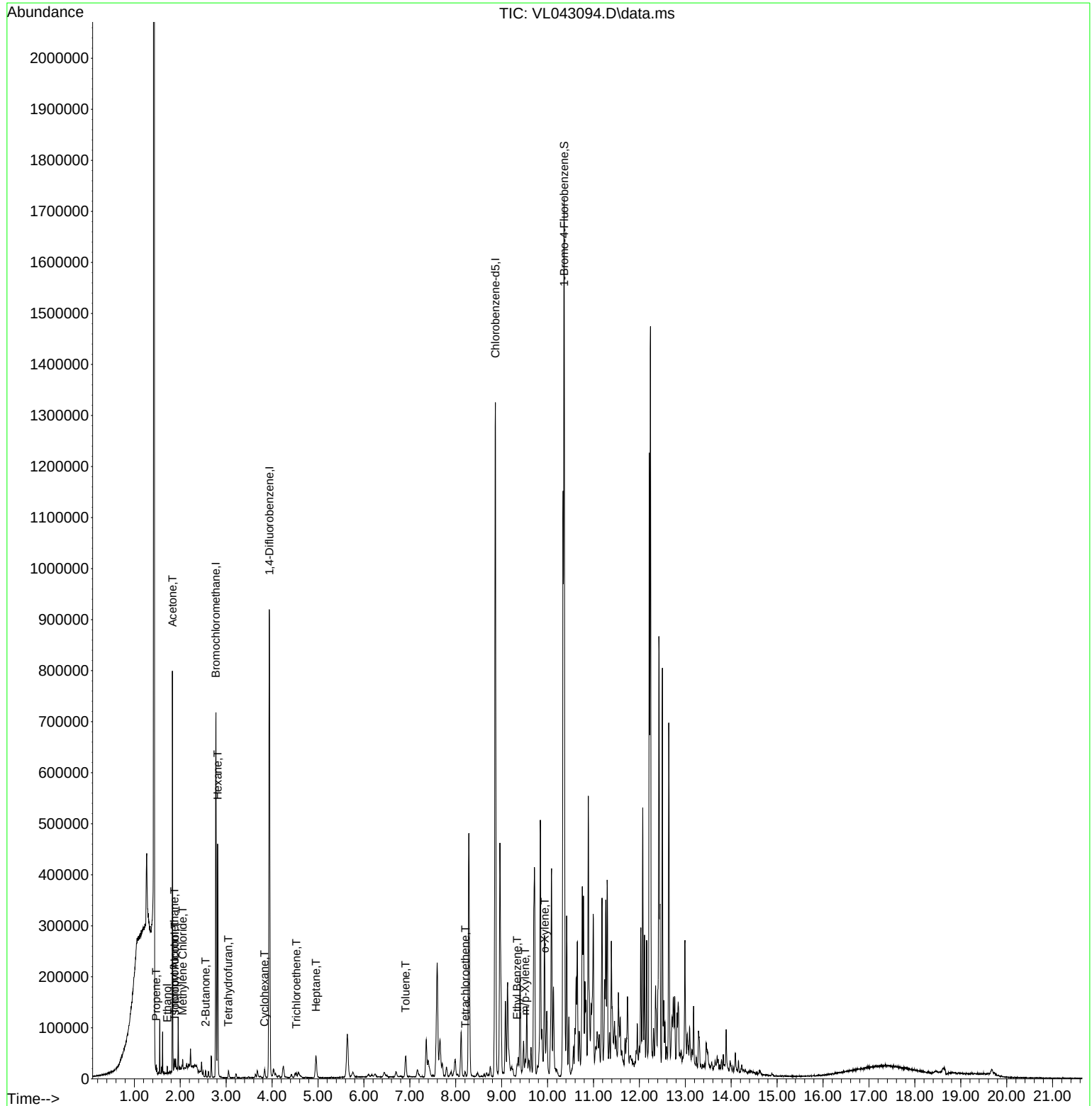
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043094.D
Acq On : 09 Oct 2025 18:54
Operator : SY/MD
Sample : Q3320-06 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

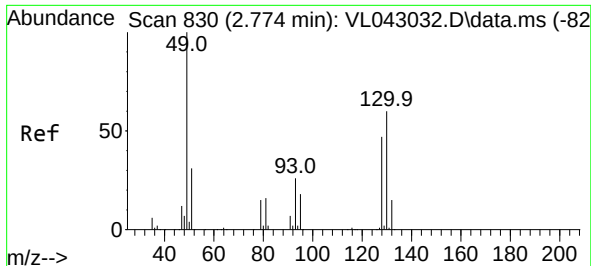
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Oct 09 22:19:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

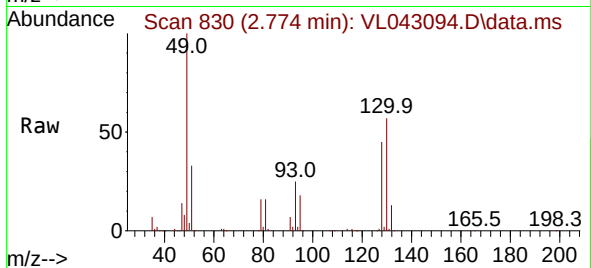
Reviewed By : Semsettin Yesilyurt 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

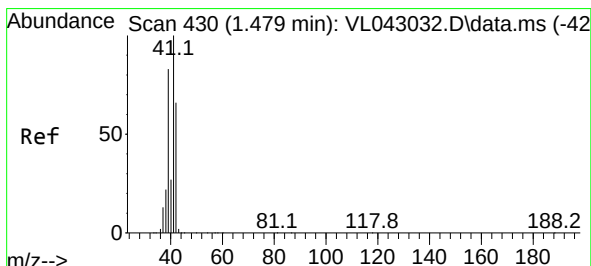
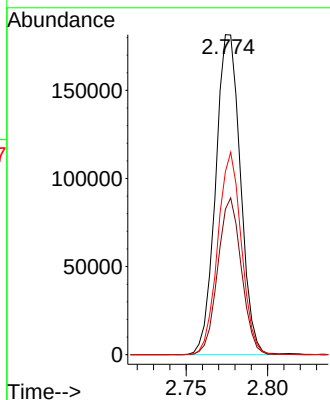
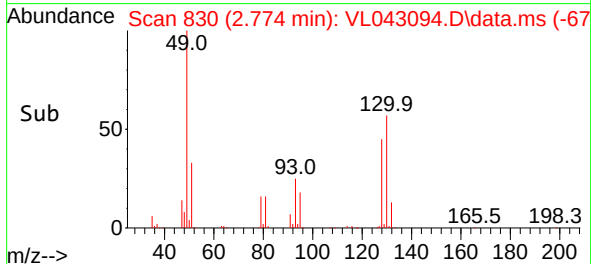
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 49 Resp: 19198
Ion Ratio Lower Upper
49 100
128 46.6 24.1 72.2
130 60.3 31.4 94.3

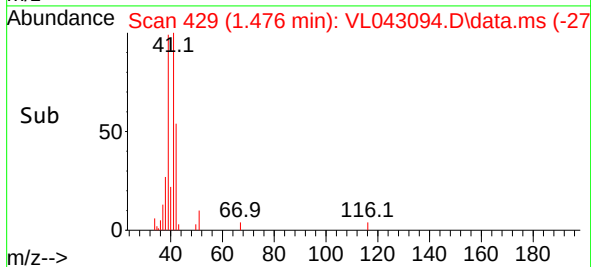
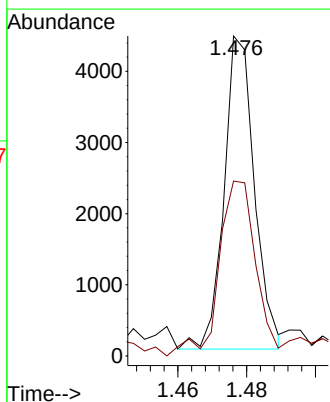
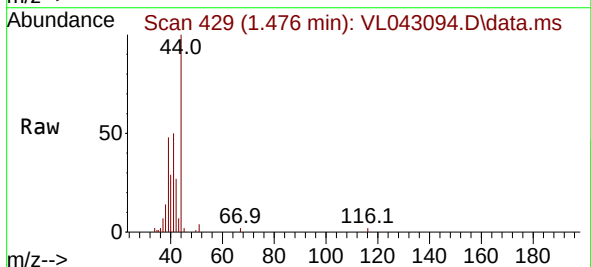
Manual Integrations
APPROVED

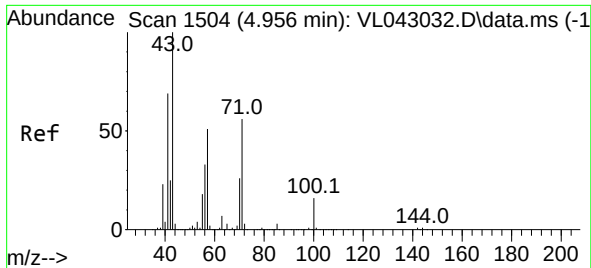
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#9
Propene
Concen: 0.214 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

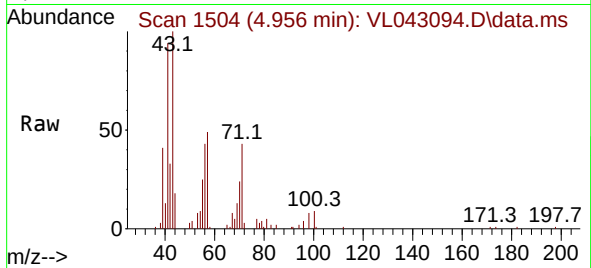
Tgt Ion: 41 Resp: 2701
Ion Ratio Lower Upper
41 100
42 80.9 53.3 79.9#





#10
Heptane
Concen: 0.438 ppbv
RT: 4.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

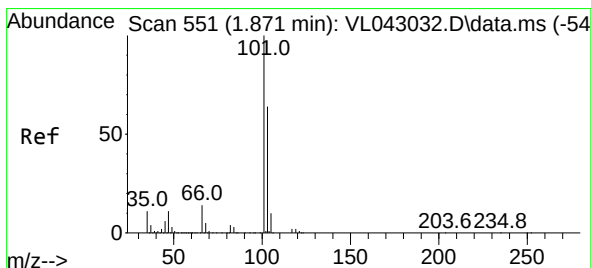
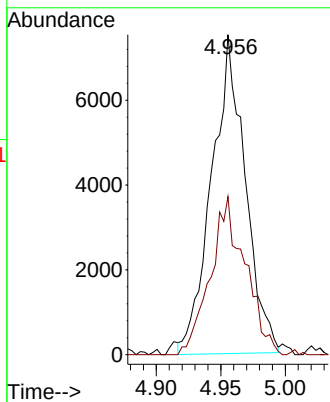
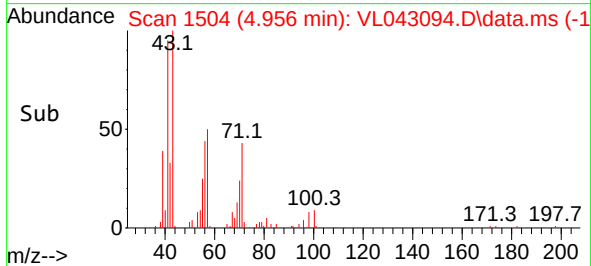
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 43 Resp: 13600
Ion Ratio Lower Upper
43 100
57 51.7 40.3 60.5

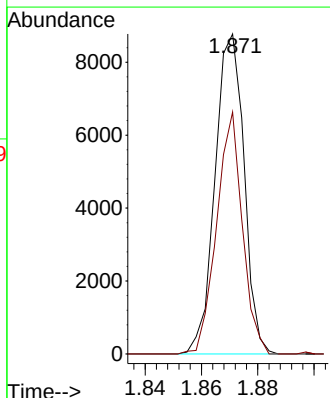
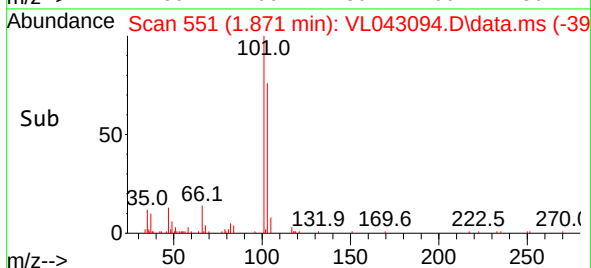
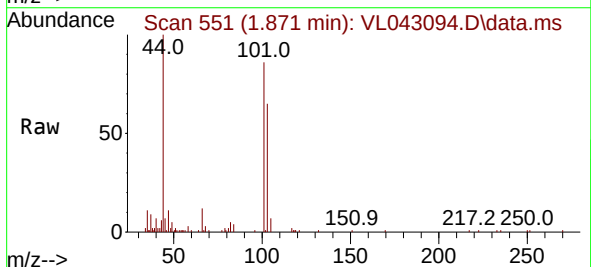
Manual Integrations
APPROVED

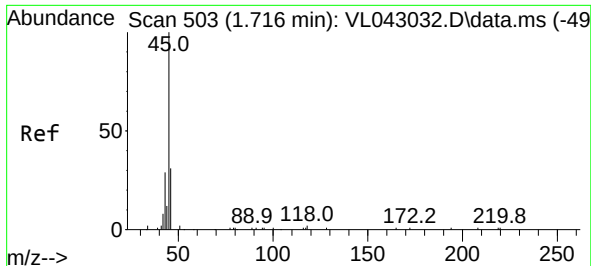
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 0.189 ppbv
RT: 1.871 min Scan# 551
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

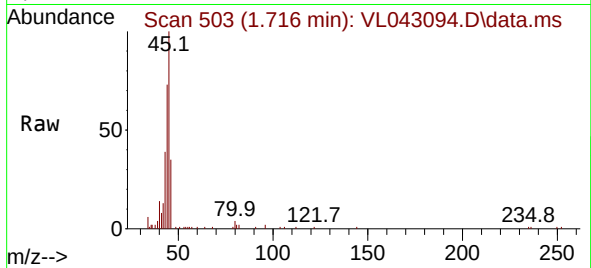
Tgt Ion:101 Resp: 6274
Ion Ratio Lower Upper
101 100
103 75.6 51.1 76.7





#13
Ethanol
Concen: 8.683 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

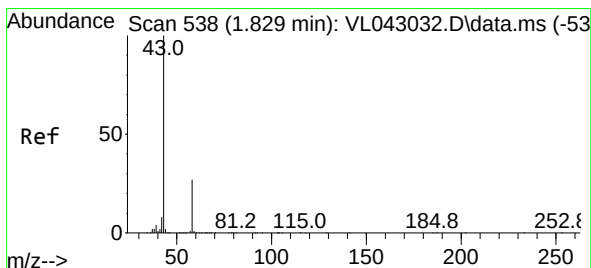
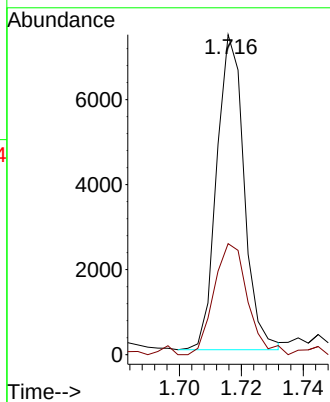
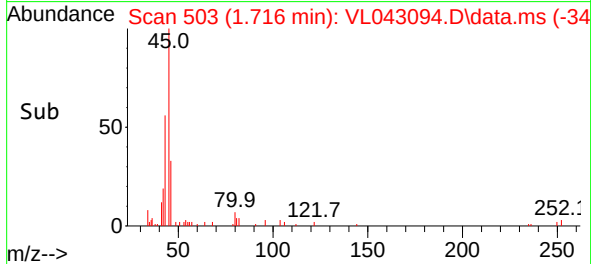
Instrument :
MSVOA_L
ClientSampleId :
SV3



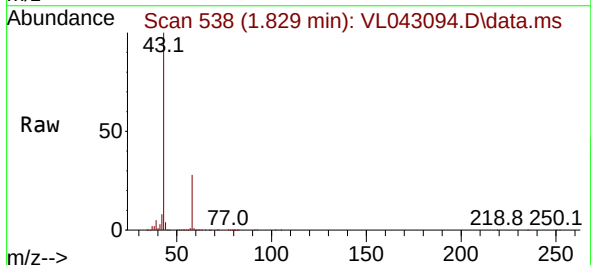
Tgt Ion: 45 Resp: 4552
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

Manual Integrations
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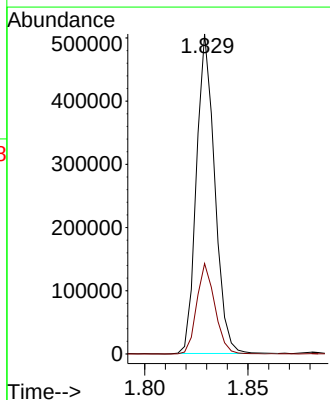
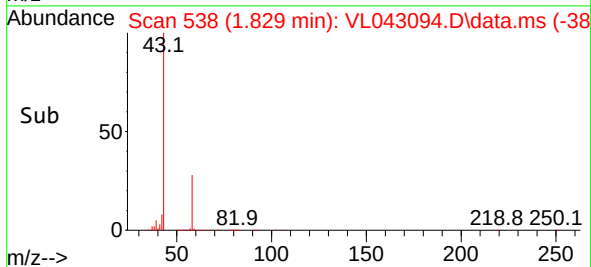
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

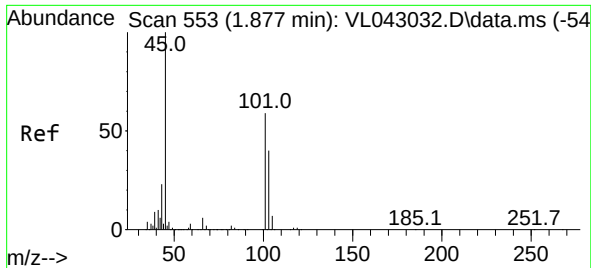


#15
Acetone
Concen: 11.592 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54



Tgt Ion: 43 Resp: 311600
Ion Ratio Lower Upper
43 100
58 28.1 22.2 33.4





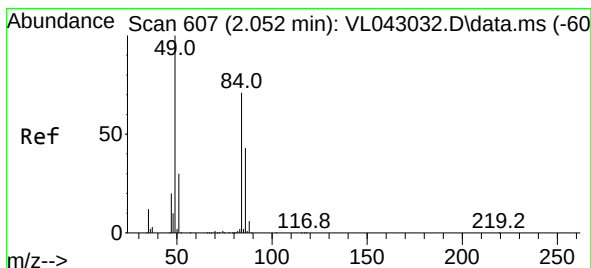
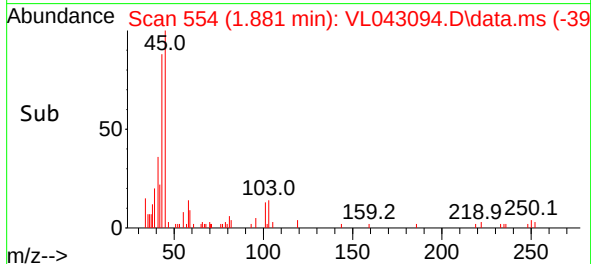
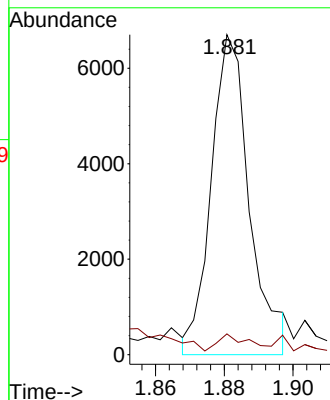
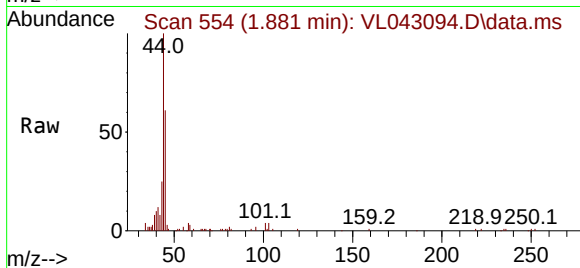
#19
Isopropyl Alcohol
Concen: 0.403 ppbv m
RT: 1.881 min Scan# 518
Delta R.T. 0.003 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 45 Resp: 5180
Ion Ratio Lower Upper
45 100
58 0.0 42.3 63.5

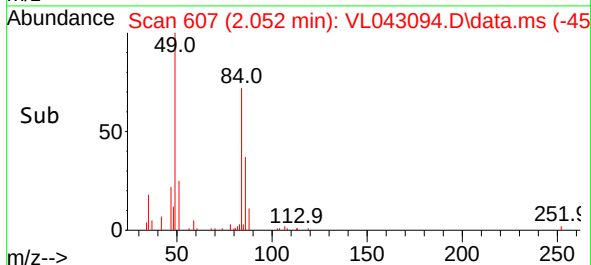
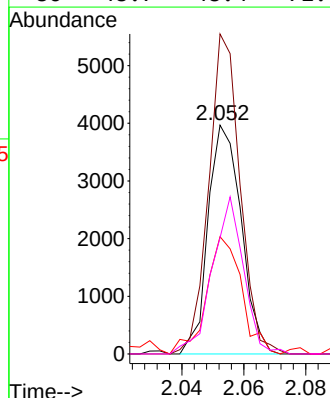
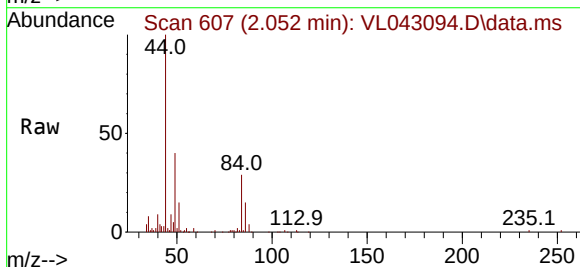
Manual Integrations
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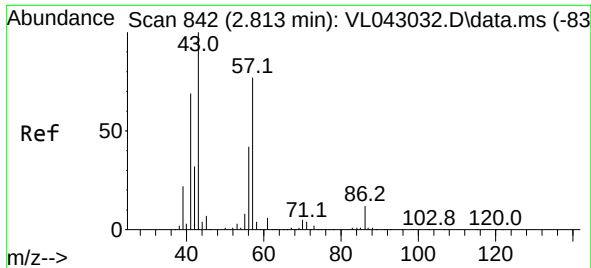
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.252 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

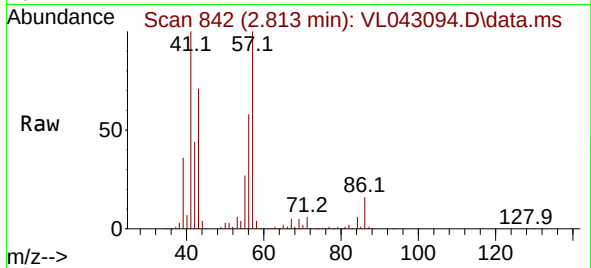
Tgt Ion: 84 Resp: 2955
Ion Ratio Lower Upper
84 100
49 137.9 112.5 168.7
51 51.2 34.2 51.2
86 48.7 48.4 72.6





#26
Hexane
Concen: 3.438 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

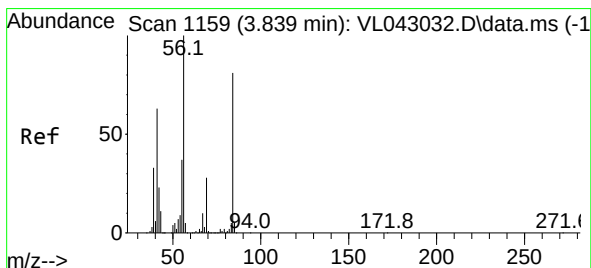
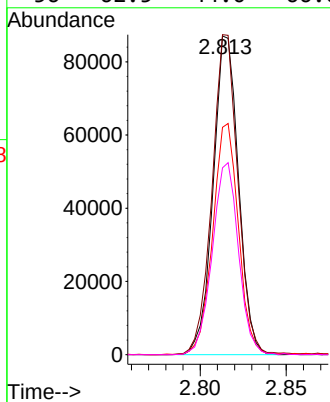
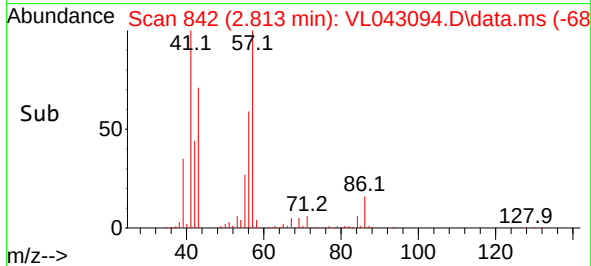
Instrument :
MSVOA_L
ClientSampleId :
SV3



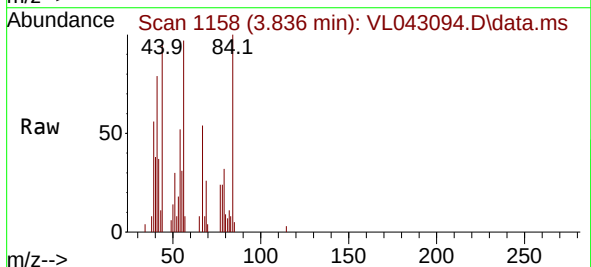
Tgt Ion: 57 Resp: 89180
Ion Ratio Lower Upper
57 100
41 103.1 76.1 114.1
43 74.3 201.4 302.0
56 62.5 44.0 66.0

Manual Integrations
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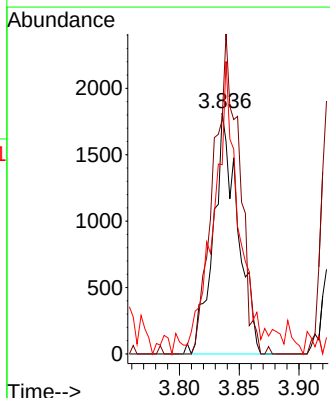
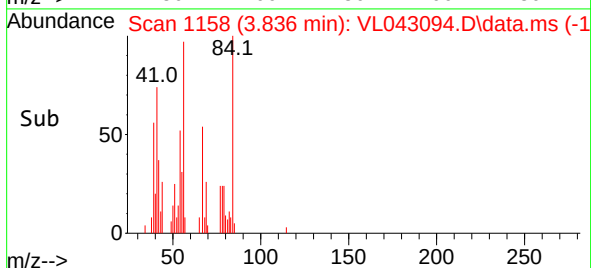
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

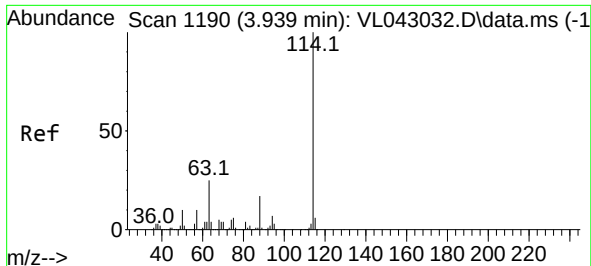


#30
Cyclohexane
Concen: 0.122 ppbv m
RT: 3.836 min Scan# 1158
Delta R.T. -0.003 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54



Tgt Ion: 84 Resp: 2609
Ion Ratio Lower Upper
84 100
56 137.6 99.9 149.9
41 135.3 64.2 96.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1190

Delta R.T. 0.003 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

Instrument :

MSVOA_L

ClientSampleId :

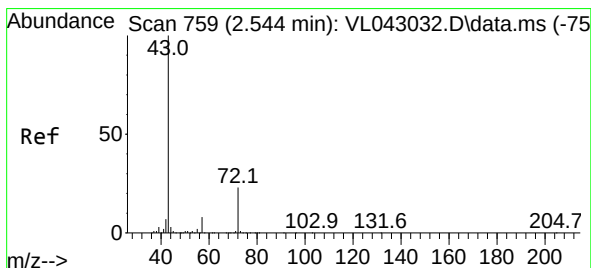
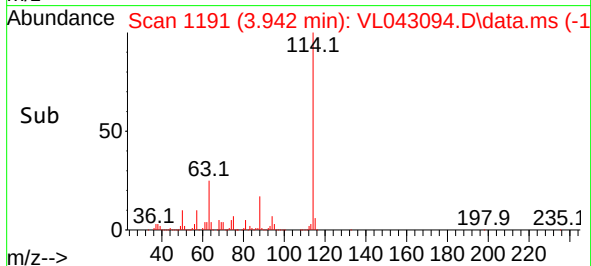
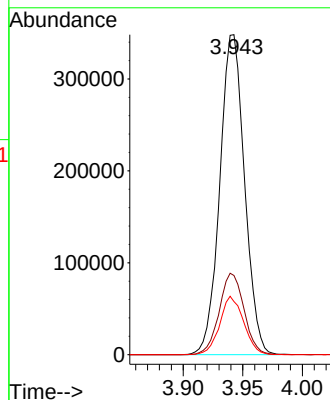
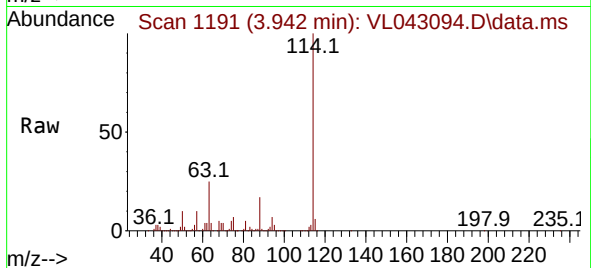
SV3

Tgt Ion:114 Resp: 503250
 Ion Ratio Lower Upper
 114 100
 63 25.5 19.4 29.2
 88 17.6 13.9 20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.216 ppbv

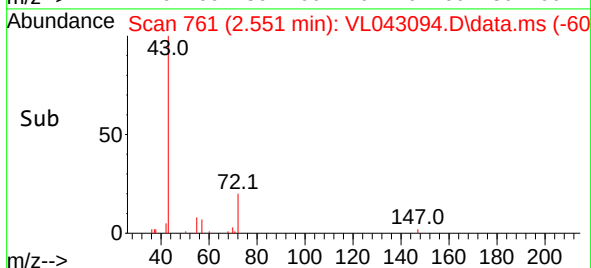
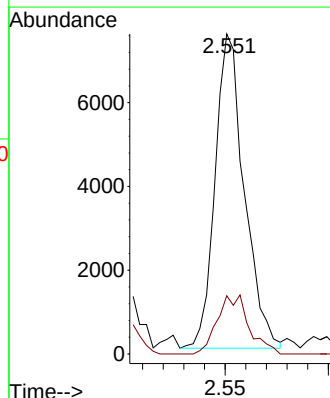
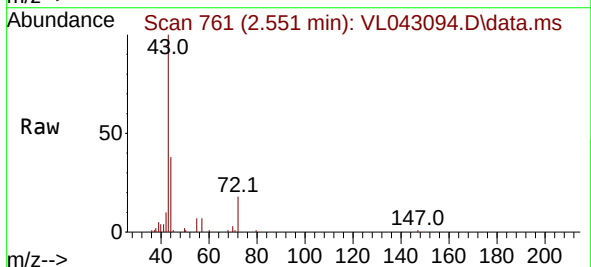
RT: 2.551 min Scan# 761

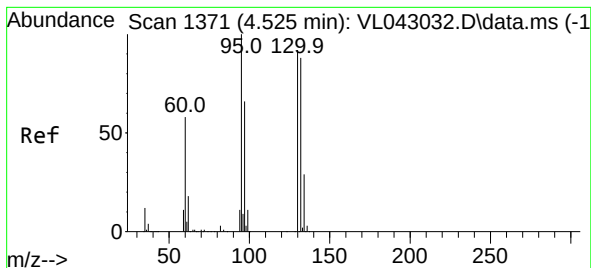
Delta R.T. 0.007 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

Tgt Ion: 43 Resp: 7371
 Ion Ratio Lower Upper
 43 100
 72 20.3 18.4 27.6





#38

Trichloroethene

Concen: 0.094 ppbv m

RT: 4.528 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043094.D

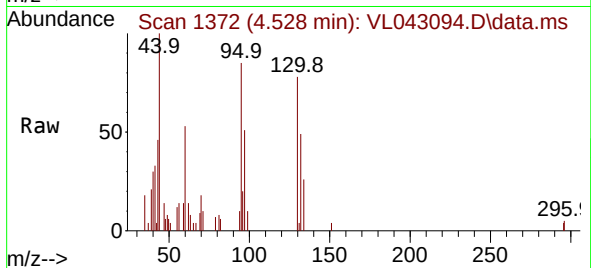
Acq: 09 Oct 2025 18:54

Instrument :

MSVOA_L

ClientSampleId :

SV3



Tgt Ion:130 Resp: 1874

Ion Ratio Lower Upper

130 100

95 109.1 86.4 129.6

132 63.6 75.7 113.5

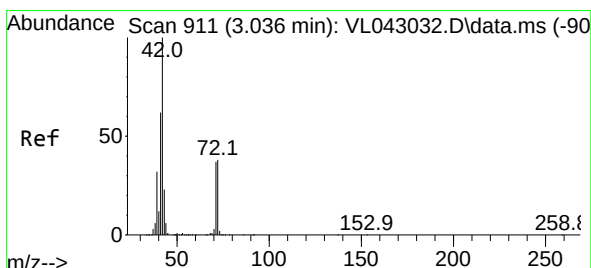
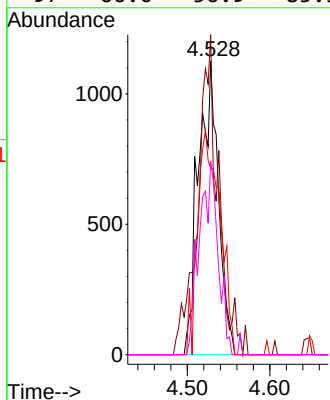
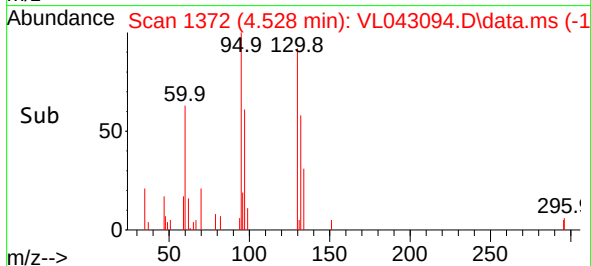
97 66.0 56.9 85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#41

Tetrahydrofuran

Concen: 0.166 ppbv m

RT: 3.049 min Scan# 915

Delta R.T. 0.013 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

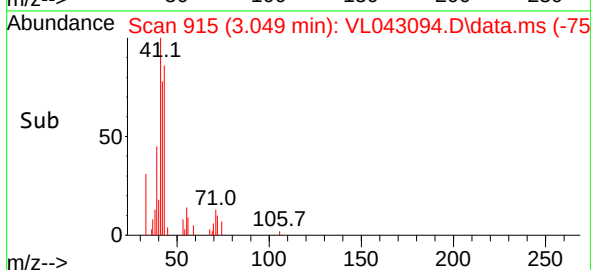
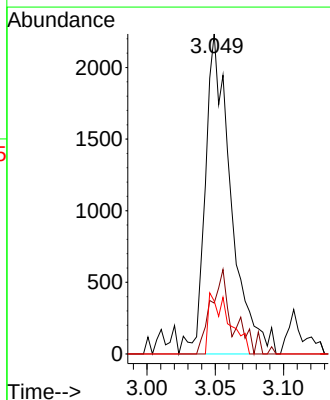
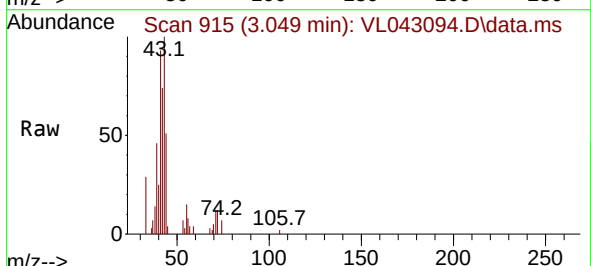
Tgt Ion: 42 Resp: 2921

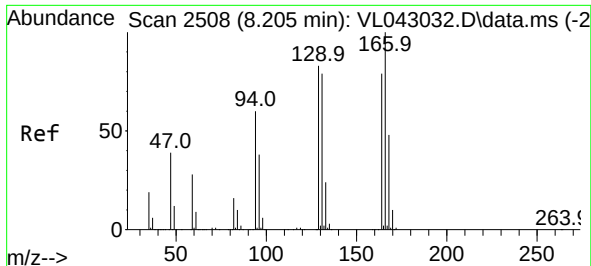
Ion Ratio Lower Upper

42 100

72 22.8 31.0 46.6#

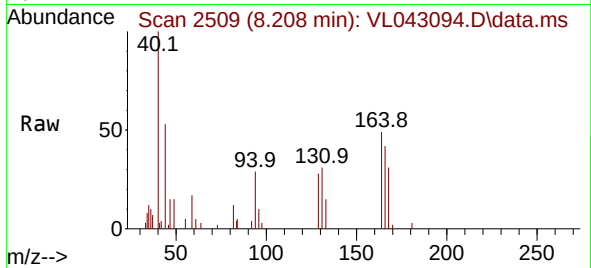
71 15.3 29.8 44.6#





#52
Tetrachloroethene
Concen: 0.089 ppbv m
RT: 8.208 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

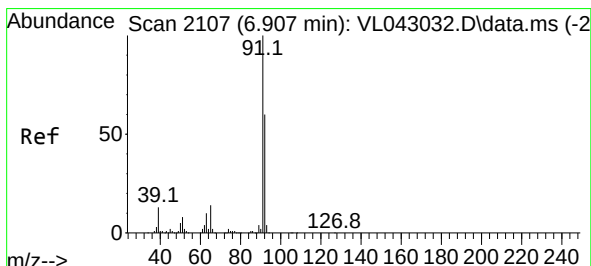
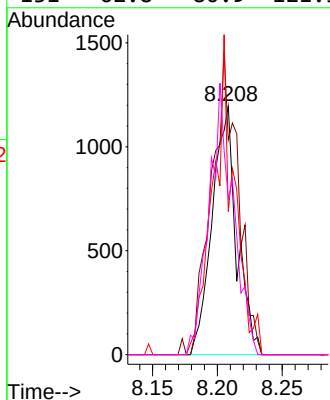
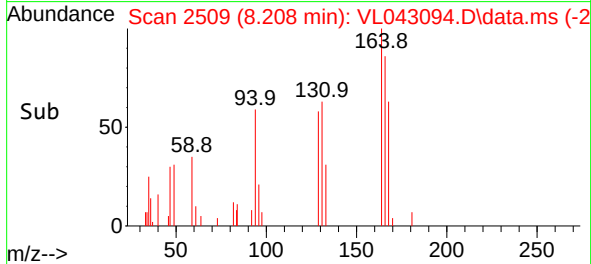
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:164 Resp: 1570
Ion Ratio Lower Upper
164 100
166 86.4 101.8 152.8
129 57.7 84.5 126.7
131 62.8 80.9 121.3

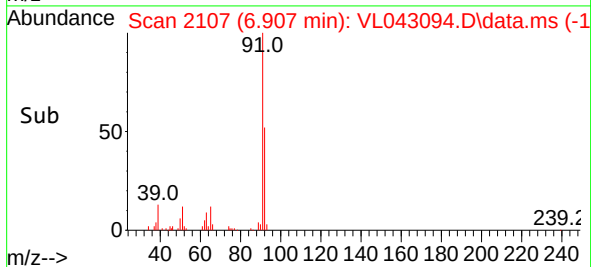
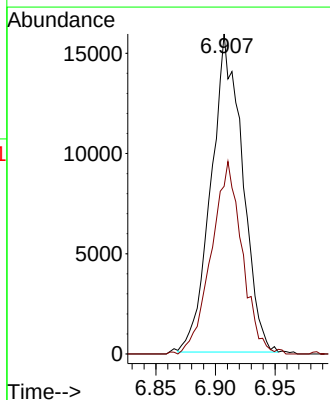
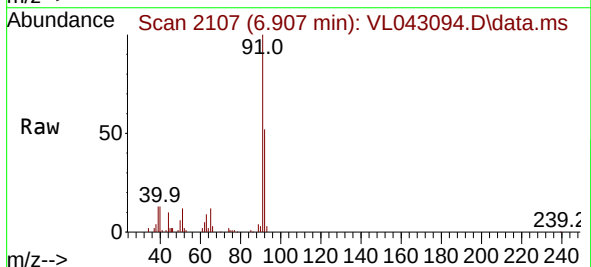
Manual Integrations
APPROVED

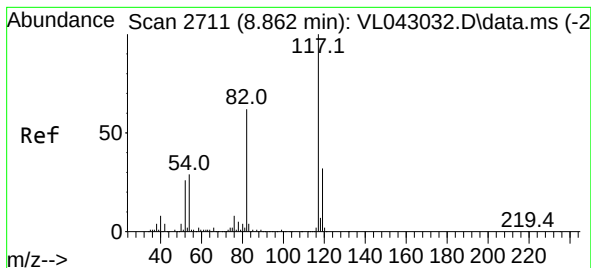
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.599 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. 0.000 min
Lab File: VL043094.D
Acq: 09 Oct 2025 18:54

Tgt Ion: 91 Resp: 29082
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.862 min Scan# 2711

Delta R.T. 0.000 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

Instrument :

MSVOA_L

ClientSampleId :

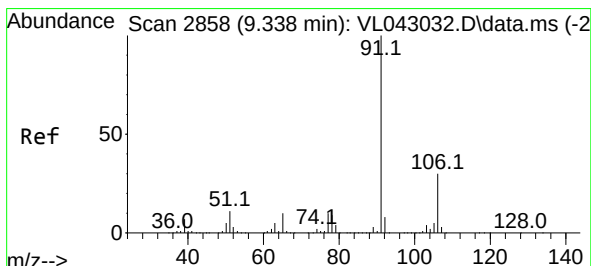
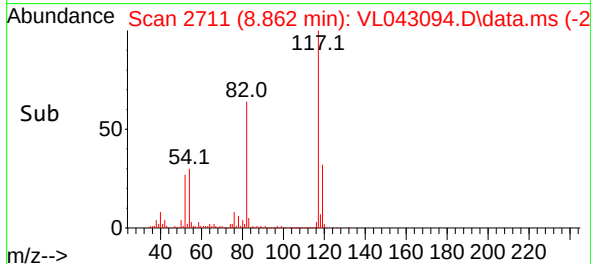
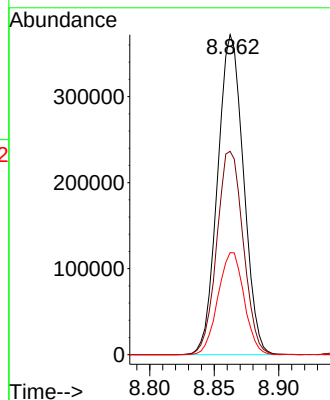
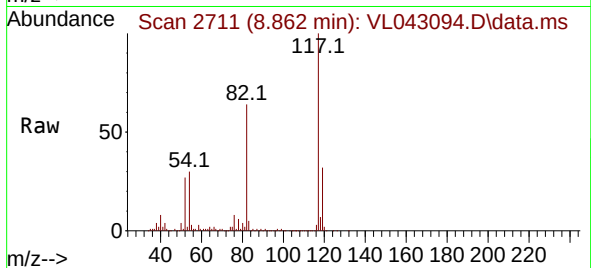
SV3

Tgt Ion:	117	Resp:	51920
Ion Ratio	Lower	Upper	
117	100		
82	65.0	53.0	79.6
119	32.2	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58

Ethyl Benzene

Concen: 0.110 ppbv

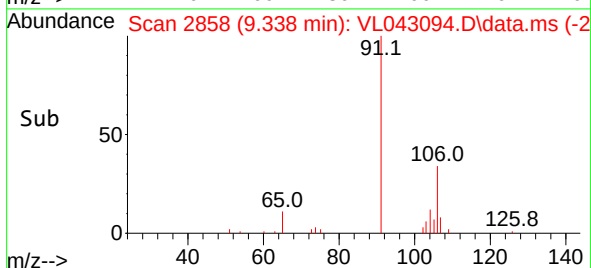
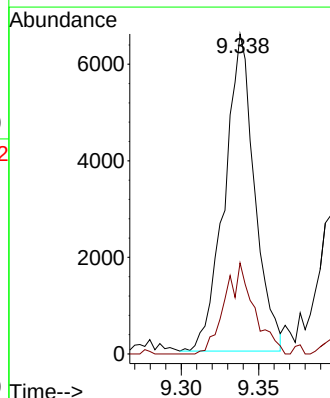
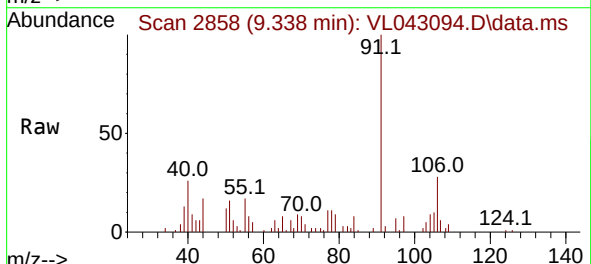
RT: 9.338 min Scan# 2858

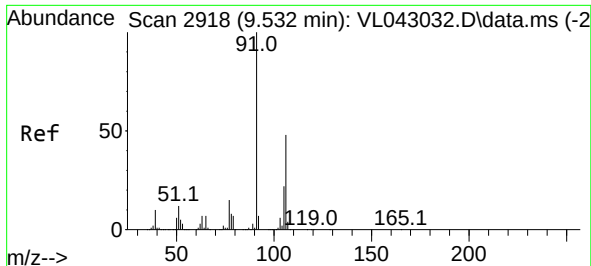
Delta R.T. 0.000 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

Tgt Ion:	91	Resp:	8870
Ion Ratio	Lower	Upper	
91	100		
106	34.7	24.1	36.1





#59

m/p-Xylene

Concen: 0.290 ppbv m

RT: 9.513 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL043094.D

Acq: 09 Oct 2025 18:54

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 91 Resp: 19679

Ion Ratio Lower Upper

91 100

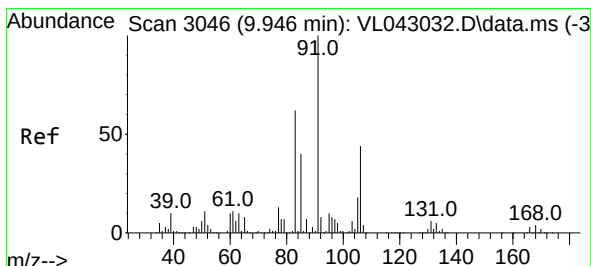
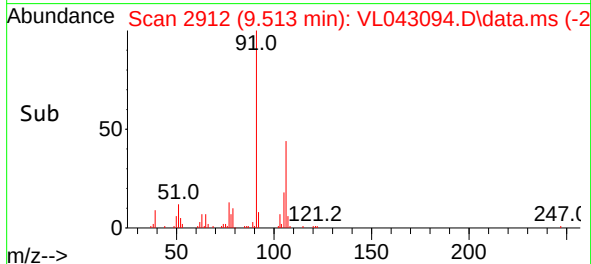
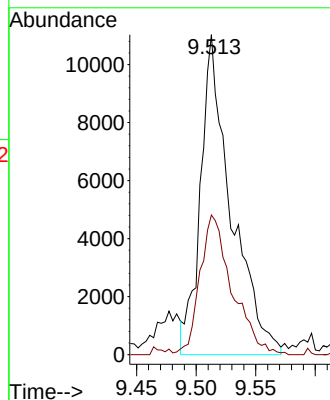
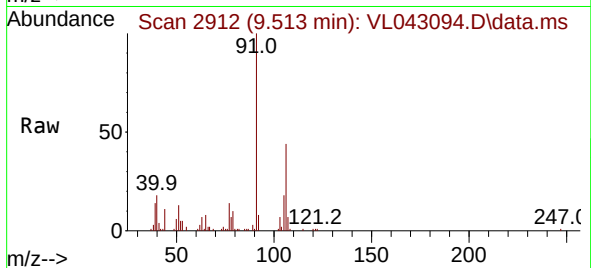
106 0.0 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

o-Xylene

Concen: 0.218 ppbv

RT: 9.943 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VL043094.D

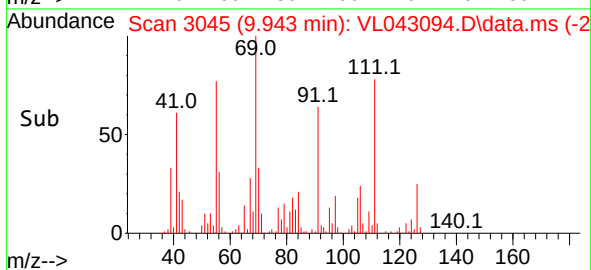
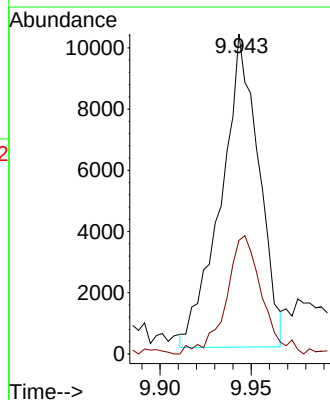
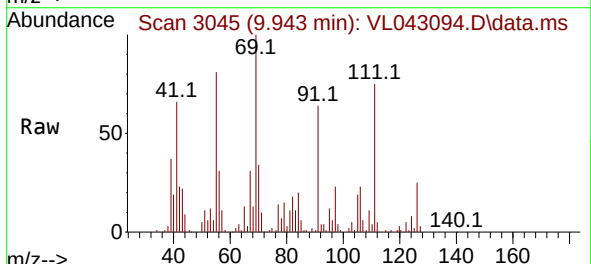
Acq: 09 Oct 2025 18:54

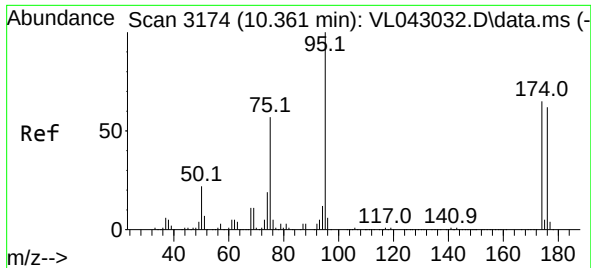
Tgt Ion: 91 Resp: 14732

Ion Ratio Lower Upper

91 100

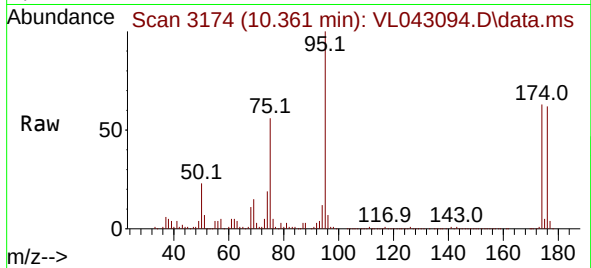
106 38.6 21.9 65.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.191 ppbv
 RT: 10.361 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL043094.D
 Acq: 09 Oct 2025 18:54

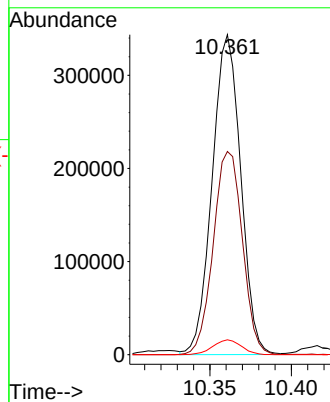
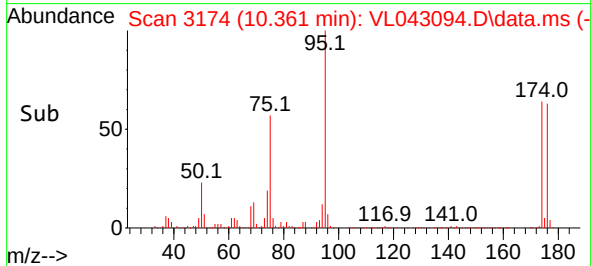
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion: 95 Resp: 41855
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.3 78.5
 175 4.7 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA4	SDG No.:	Q3320
Lab Sample ID:	Q3320-07	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043076.D	1		10/09/25 01:28	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.51	2.52		0.54	2.47
74-87-3	Chloromethane	0.50	1.03		0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	4.10	9.74		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.62	2.15		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.22	0.65	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.090	0.57		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.11	0.54	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.050	0.27		0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA4	SDG No.:	Q3320
Lab Sample ID:	Q3320-07	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043076.D	1		10/09/25 01:28	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.37	1.30	J	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	9.90			65 - 135	99% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	166000		2.781		
540-36-3	1,4-Difluorobenzene	421000		3.949		
3114-55-4	Chlorobenzene-d5	326000		8.872		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA4	SDG No.:	Q3320
Lab Sample ID:	Q3320-07	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043076.D	1		10/09/25 01:28	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043076.D
 Acq On : 09 Oct 2025 01:28
 Operator : SY/MD
 Sample : Q3320-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:49:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	165718	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	326320	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	232249	9.880	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	14205	0.509	ppbv	99
3) Chlorodifluoromethane	1.473	51	8146m	0.301	ppbv	
4) Chloromethane	1.531	50	5127	0.503	ppbv	91
9) Propene	1.486	41	8443	0.775	ppbv	85
11) Trichlorofluoromethane	1.874	101	7354	0.256	ppbv	89
13) Ethanol	1.719	45	81826	205.996	ppbv	89
15) Acetone	1.832	43	95303	4.107	ppbv	100
19) Isopropyl Alcohol	1.884	45	14967	1.346	ppbv #	1
20) Methylene Chloride	2.059	84	6262	0.618	ppbv #	93
26) Hexane	2.820	57	8260	0.369	ppbv #	37
29) Chloroform	2.842	83	4056m	0.106	ppbv	
34) 2-Butanone	2.557	43	6336	0.222	ppbv	91
35) Carbon Tetrachloride	3.752	117	3019	0.087	ppbv #	84
38) Trichloroethene	4.532	130	774m	0.046	ppbv	
53) Toluene	6.920	91	5681m	0.140	ppbv	

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

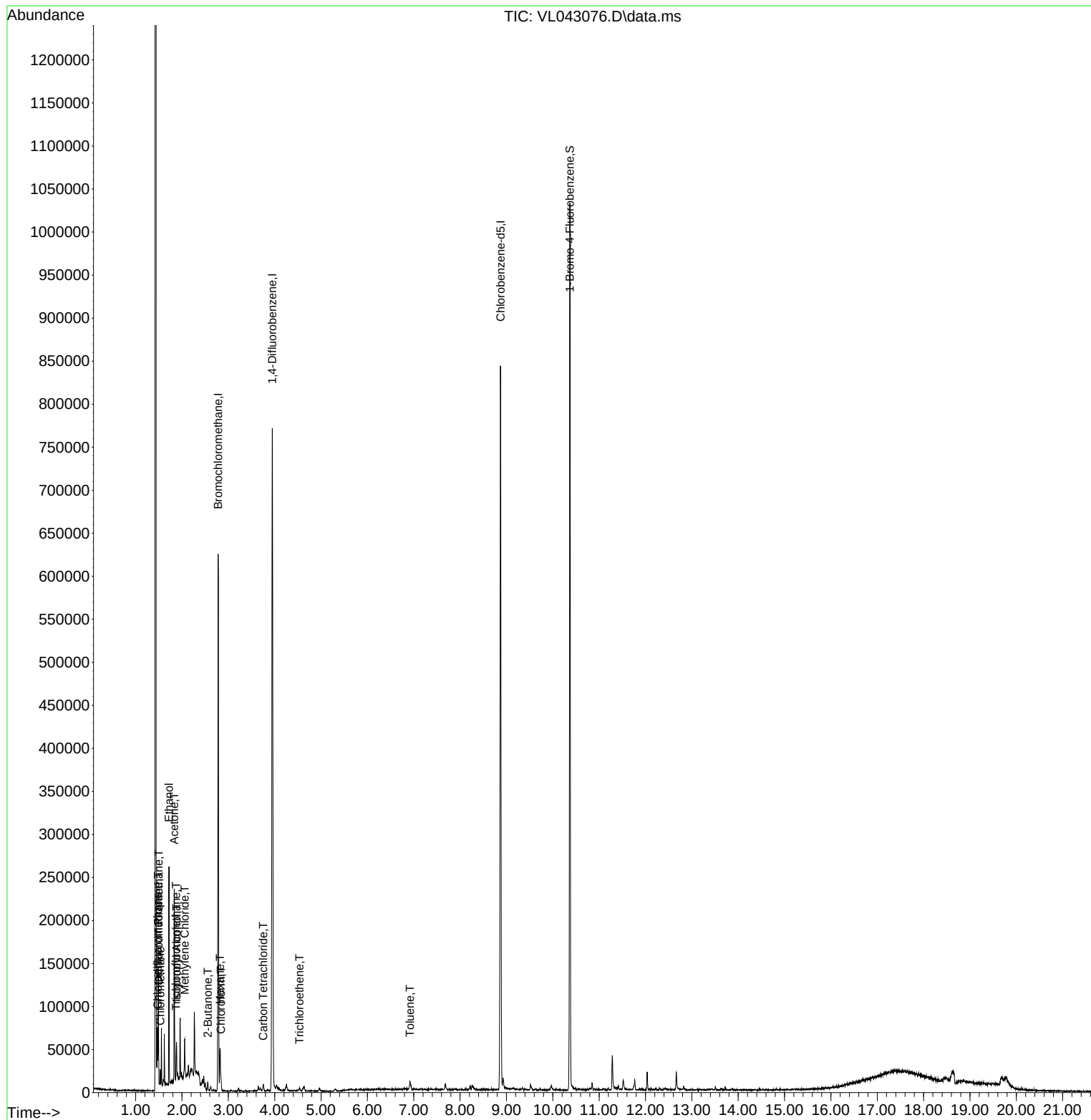
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043076.D
Acq On : 09 Oct 2025 01:28
Operator : SY/MD
Sample : Q3320-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

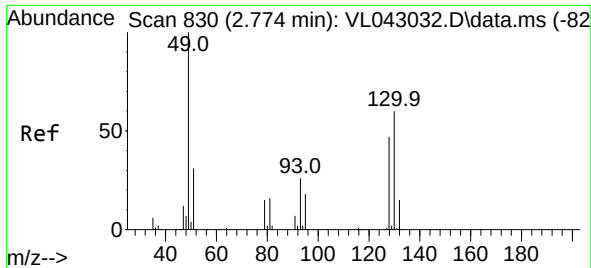
Instrument :
MSVOA_L
ClientSampleId :
IA4

Quant Time: Oct 09 02:49:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

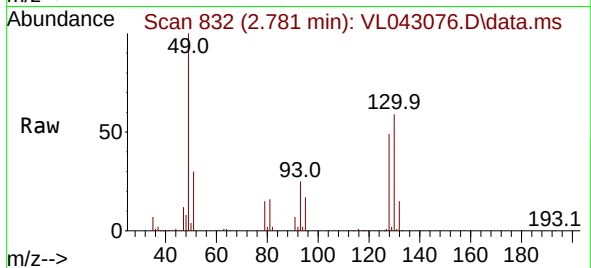
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 830
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

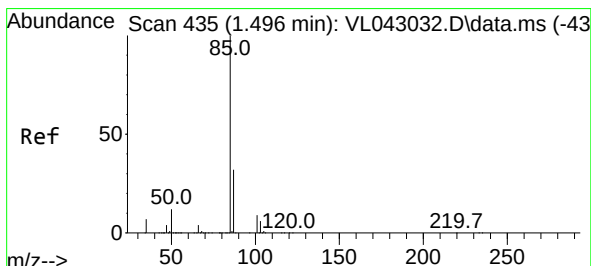
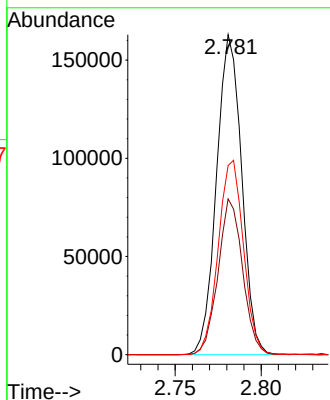
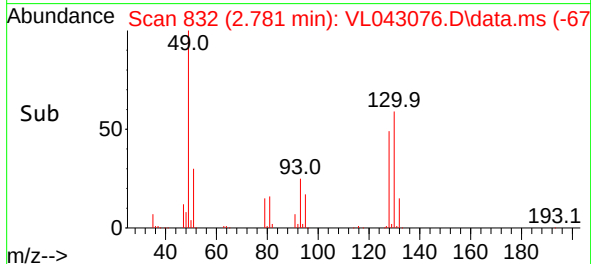
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 49 Resp: 165718
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 61.1 31.4 94.3

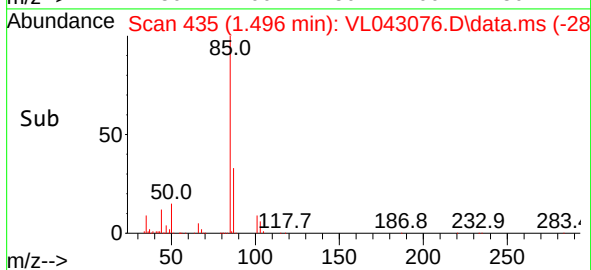
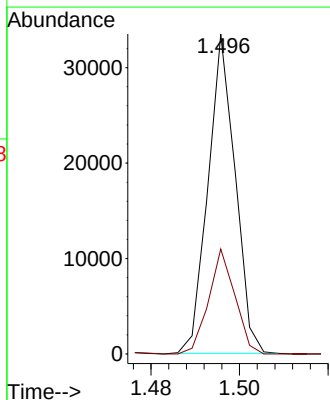
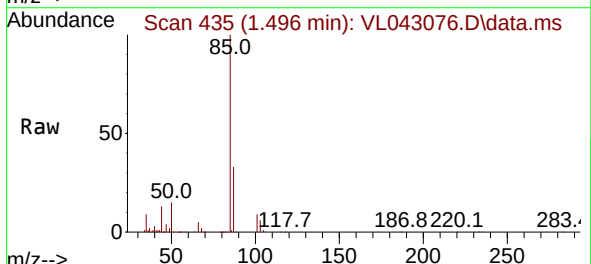
Manual Integrations
APPROVED

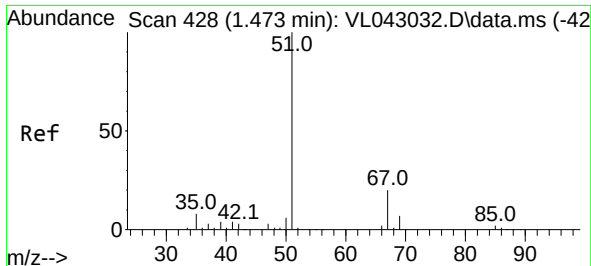
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.509 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Tgt Ion: 85 Resp: 14205
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6





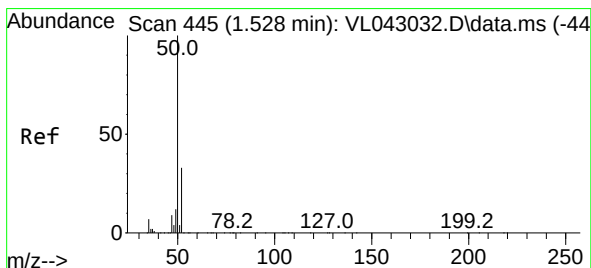
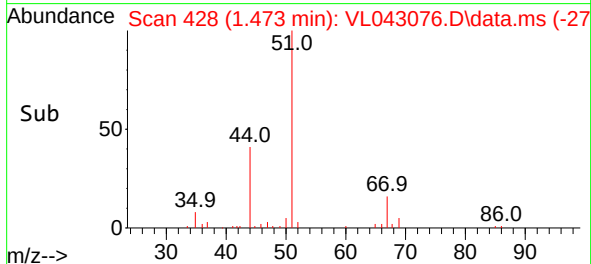
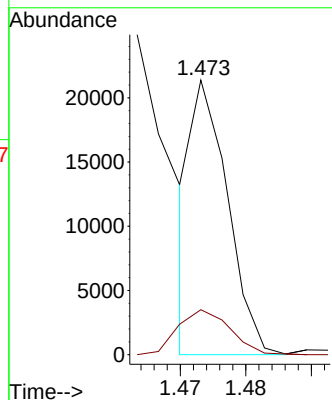
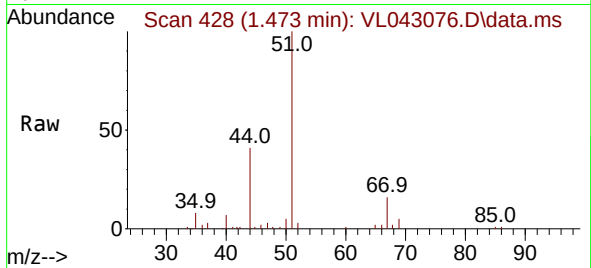
#3
Chlorodifluoromethane
Concen: 0.301 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion: 51 Resp: 814
Ion Ratio Lower Upper
51 100
67 23.8 15.1 22.7

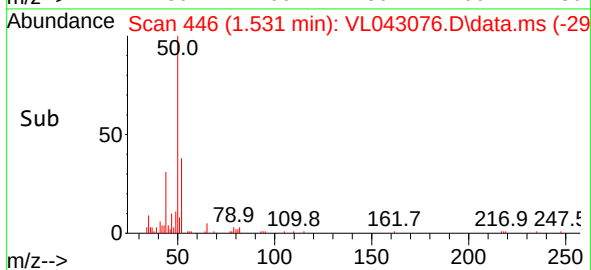
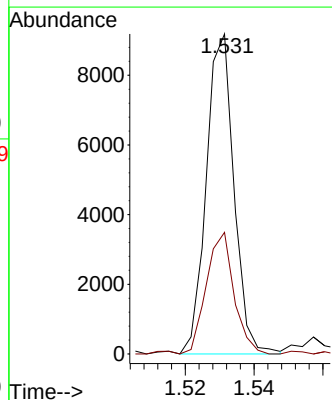
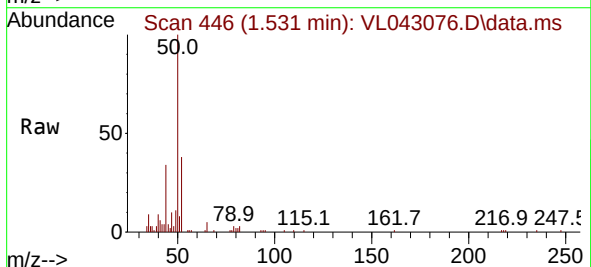
Manual Integrations
APPROVED

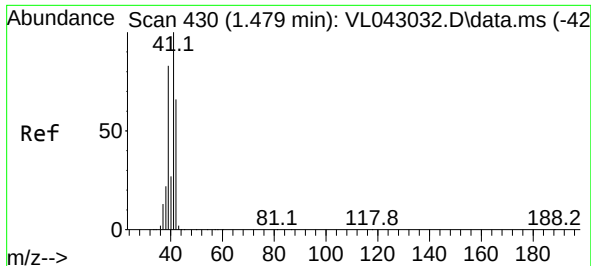
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 0.503 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Tgt Ion: 50 Resp: 5127
Ion Ratio Lower Upper
50 100
52 38.0 26.2 39.2





#9

Propene

Concen: 0.775 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL043076.D

Acq: 09 Oct 2025 01:28

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion: 41 Resp: 844

Ion Ratio Lower Upper

41 100

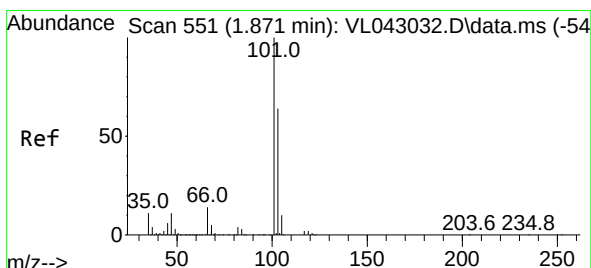
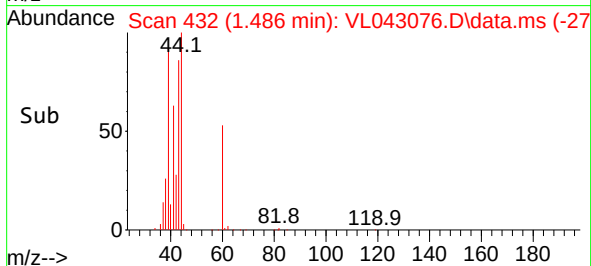
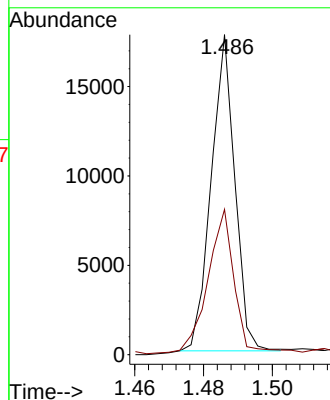
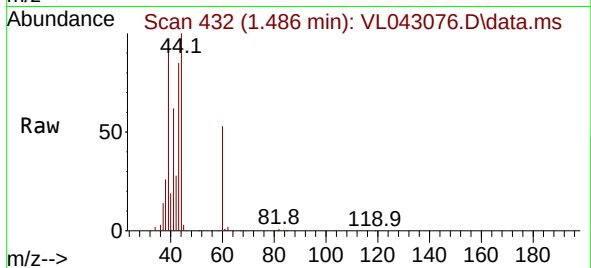
42 54.7 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#11

Trichlorofluoromethane

Concen: 0.256 ppbv

RT: 1.874 min Scan# 552

Delta R.T. 0.003 min

Lab File: VL043076.D

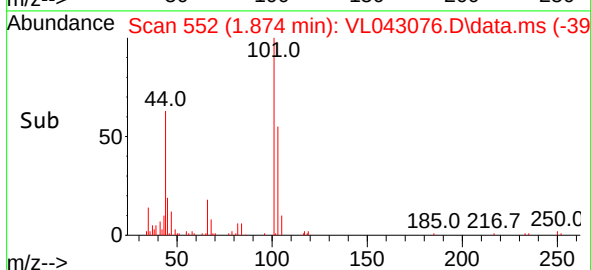
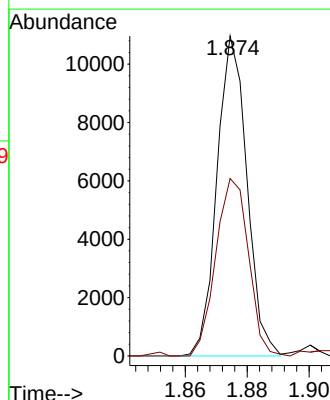
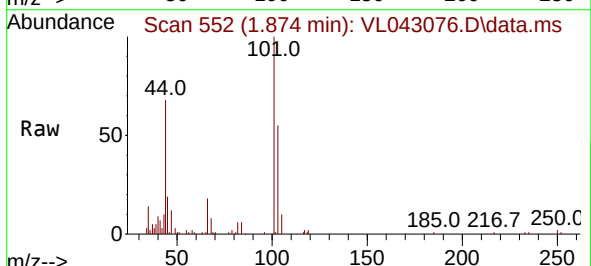
Acq: 09 Oct 2025 01:28

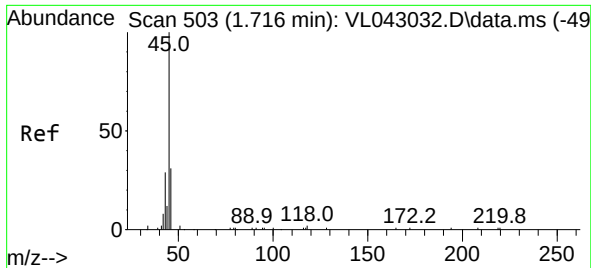
Tgt Ion:101 Resp: 7354

Ion Ratio Lower Upper

101 100

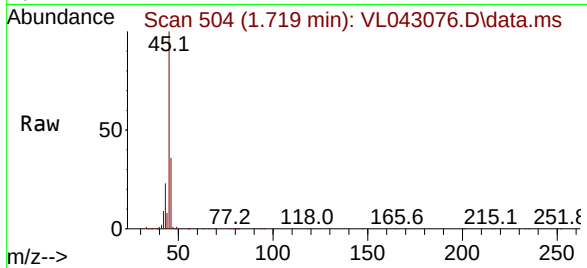
103 55.5 51.1 76.7





#13
Ethanol
Concen: 205.996 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

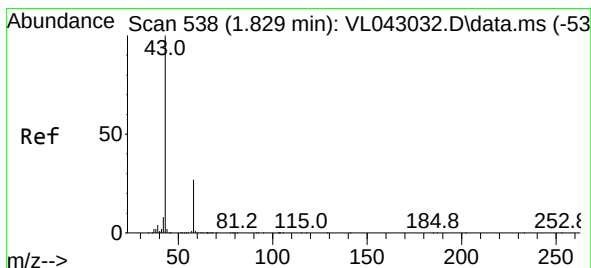
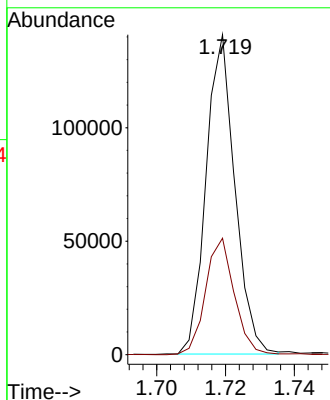
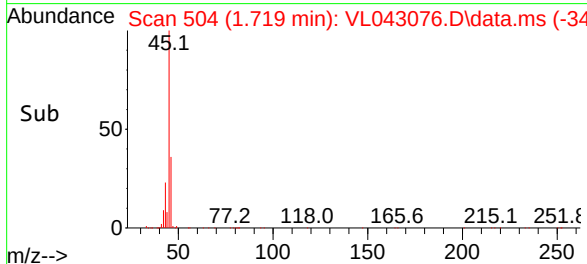
Instrument :
MSVOA_L
ClientSampleId :
IA4



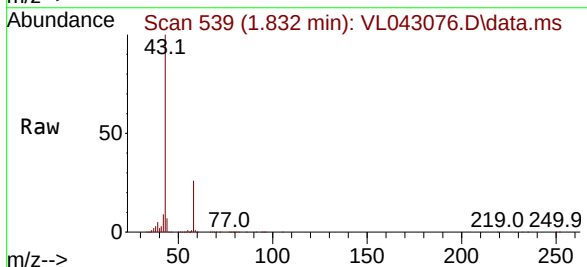
Tgt Ion: 45 Resp: 81820
Ion Ratio Lower Upper
45 100
46 37.4 17.8 71.4

Manual Integrations
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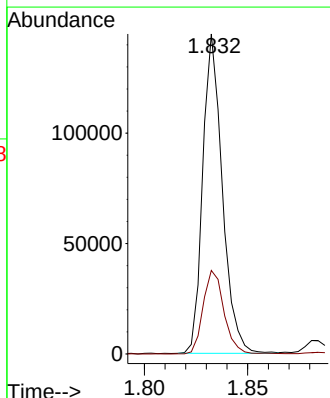
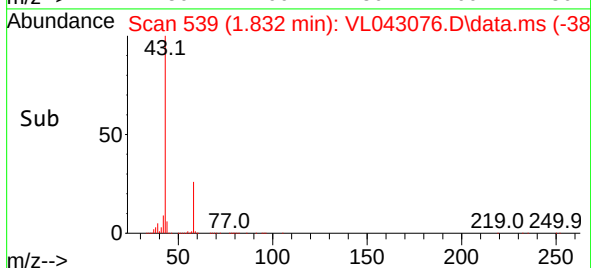
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

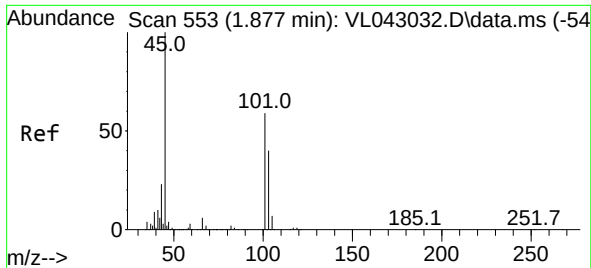


#15
Acetone
Concen: 4.107 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28



Tgt Ion: 43 Resp: 95303
Ion Ratio Lower Upper
43 100
58 27.9 22.2 33.4





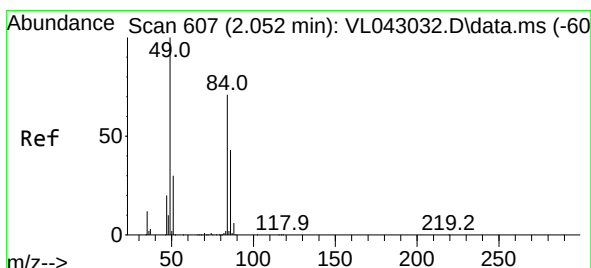
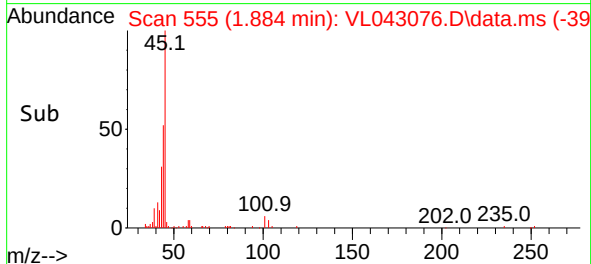
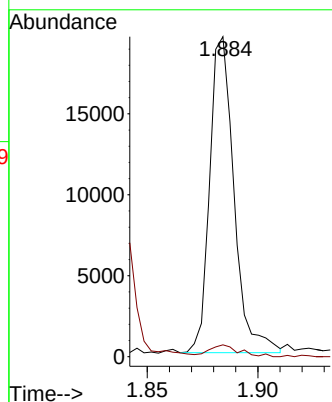
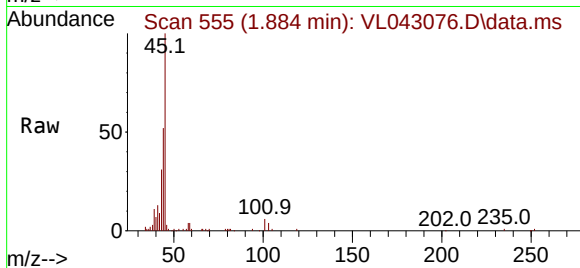
#19
Isopropyl Alcohol
Concen: 1.346 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion: 45 Resp: 1496
Ion Ratio Lower Upper
45 100
58 177.9 42.3 63.5

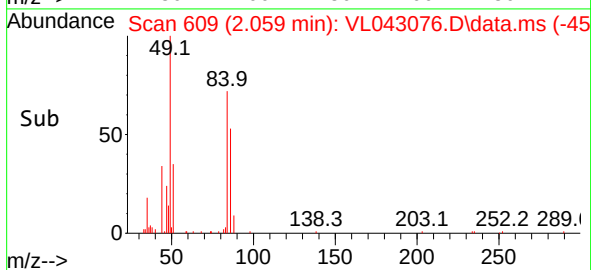
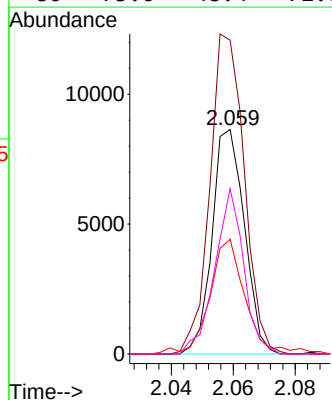
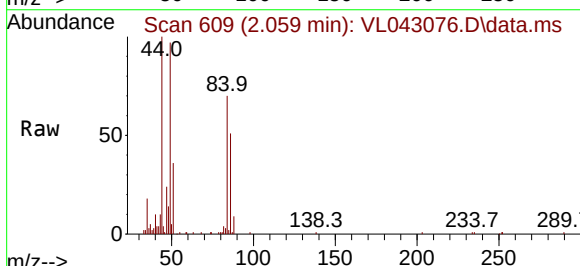
Manual Integrations
APPROVED

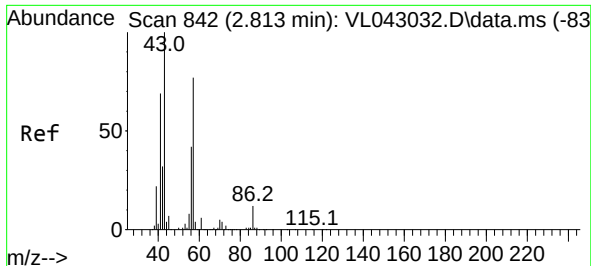
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.618 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

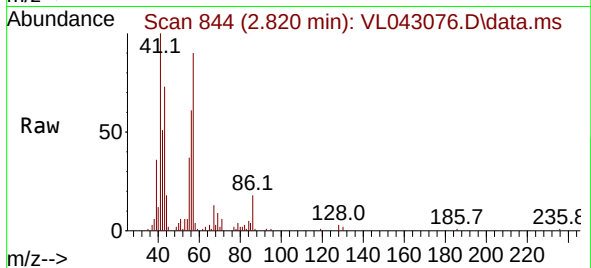
Tgt Ion: 84 Resp: 6262
Ion Ratio Lower Upper
84 100
49 138.7 112.5 168.7
51 49.9 34.2 51.2
86 73.6 48.4 72.6





#26
Hexane
Concen: 0.369 ppbv
RT: 2.820 min Scan# 842
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

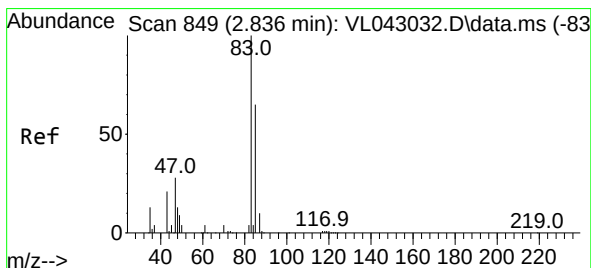
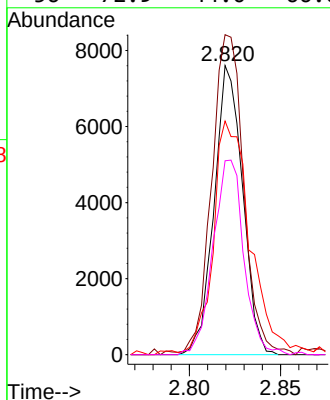
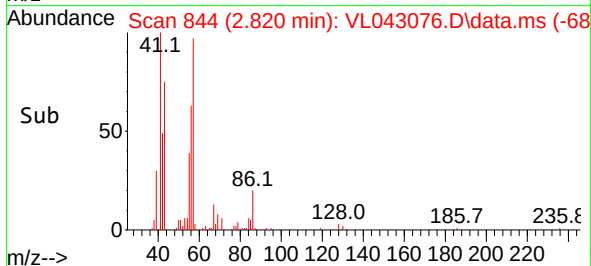
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 57 Resp: 8260
Ion Ratio Lower Upper
57 100
41 128.9 76.1 114.1
43 108.5 201.4 302.0
56 72.9 44.0 66.0

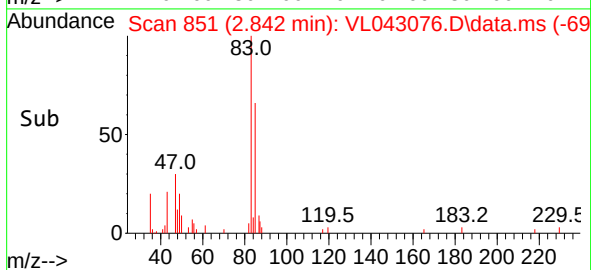
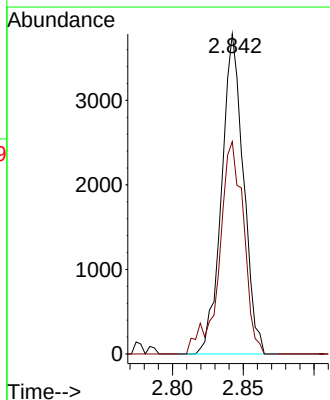
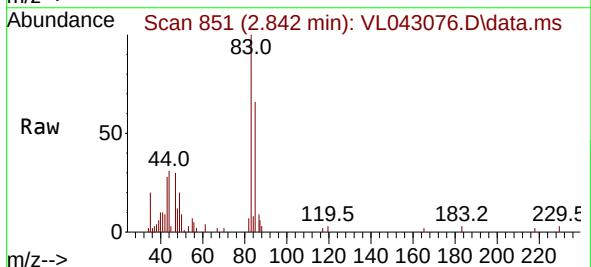
Manual Integrations
APPROVED

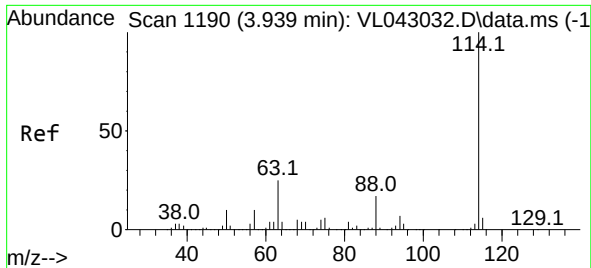
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#29
Chloroform
Concen: 0.106 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

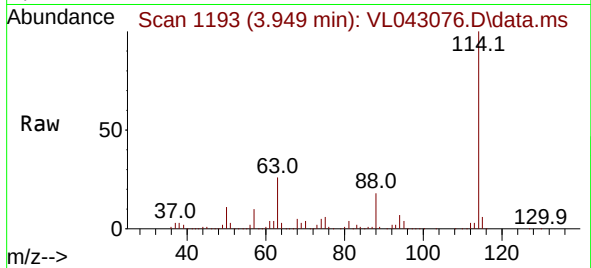
Tgt Ion: 83 Resp: 4056
Ion Ratio Lower Upper
83 100
85 66.3 52.0 78.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1190
Delta R.T. 0.010 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

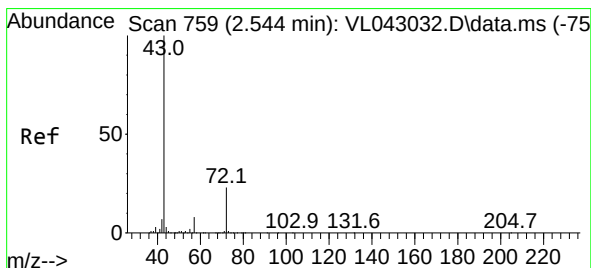
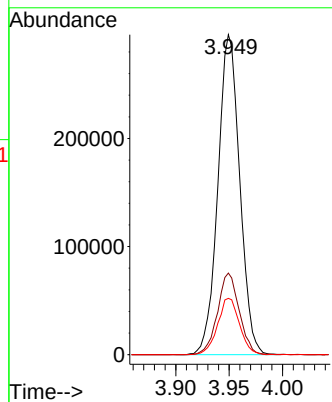
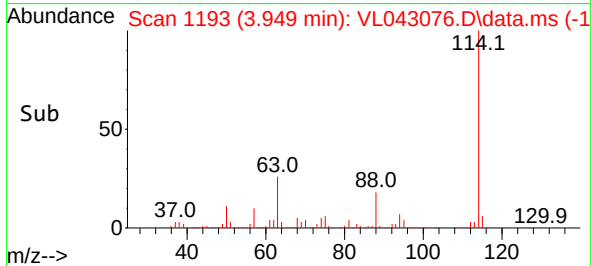
Instrument :
MSVOA_L
ClientSampleId :
IA4



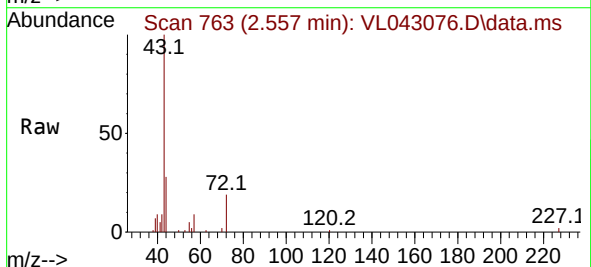
Tgt Ion:114 Resp: 421136
Ion Ratio Lower Upper
114 100
63 25.4 19.4 29.2
88 17.7 13.9 20.9

Manual Integrations
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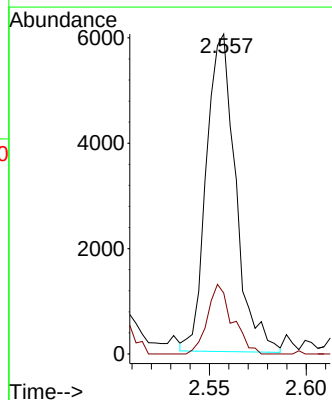
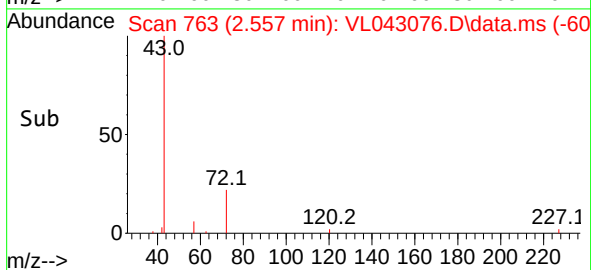
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

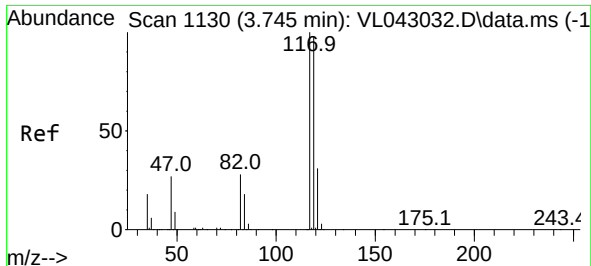


#34
2-Butanone
Concen: 0.222 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.013 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28



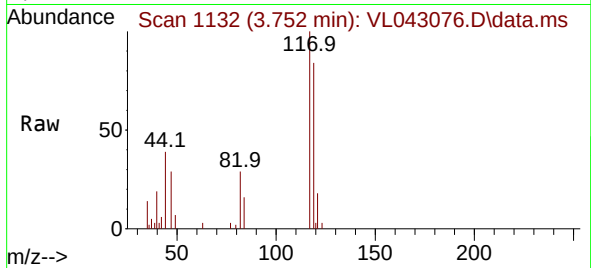
Tgt Ion: 43 Resp: 6336
Ion Ratio Lower Upper
43 100
72 18.8 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.752 min Scan# 1132
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

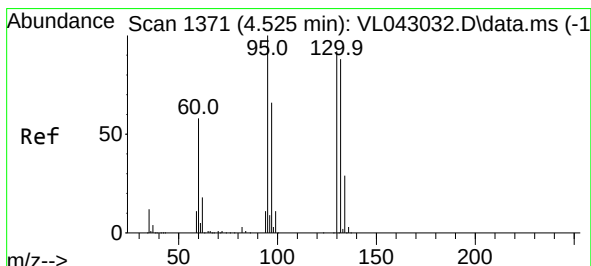
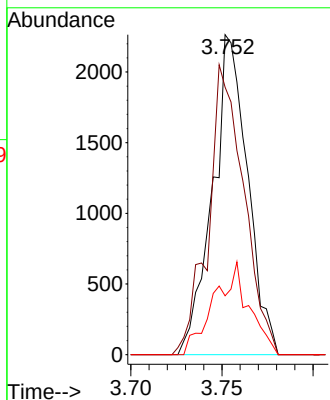
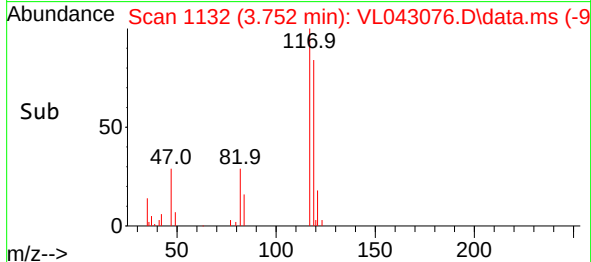
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion:117 Resp: 3019
Ion Ratio Lower Upper
117 100
119 83.6 78.2 117.4
121 18.4 24.8 37.2

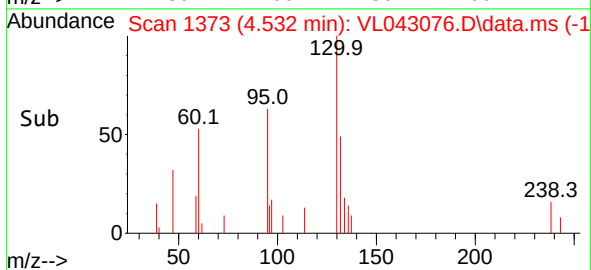
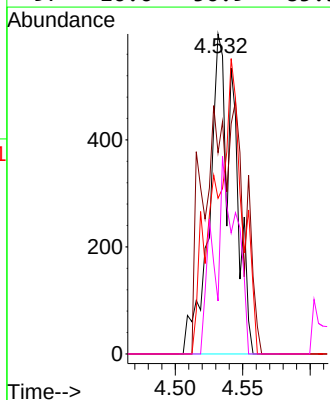
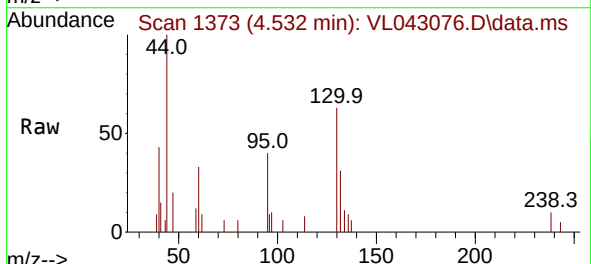
Manual Integrations
APPROVED

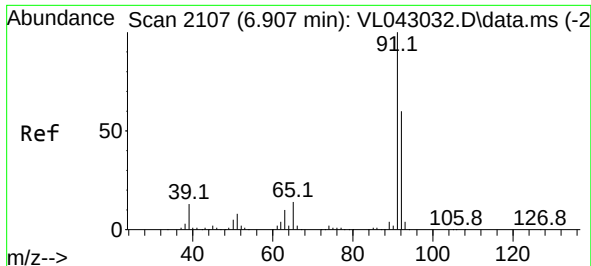
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 4.532 min Scan# 1373
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

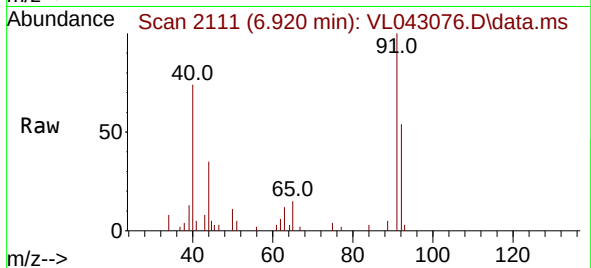
Tgt Ion:130 Resp: 774
Ion Ratio Lower Upper
130 100
95 62.9 86.4 129.6#
132 48.7 75.7 113.5#
97 16.6 56.9 85.3#





#53
Toluene
Concen: 0.140 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

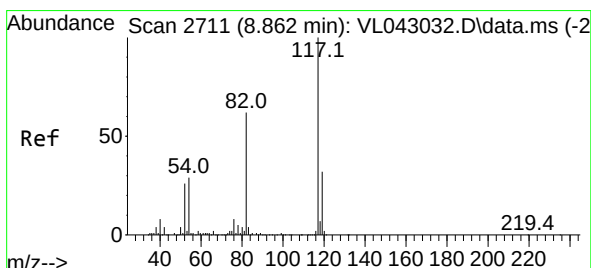
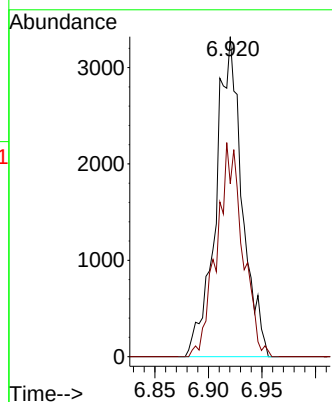
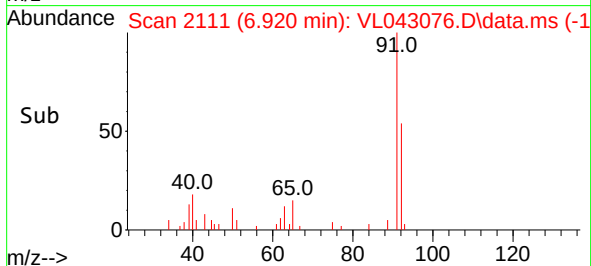
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 91 Resp: 568
Ion Ratio Lower Upper
91 100
92 66.0 47.8 71.6

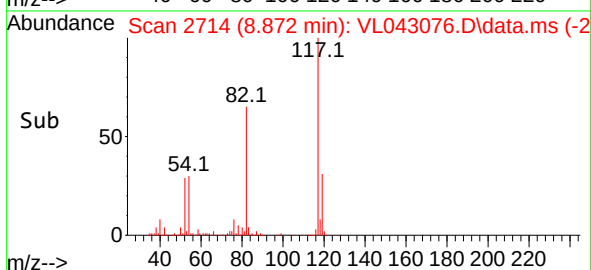
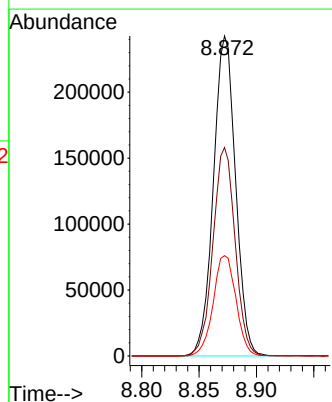
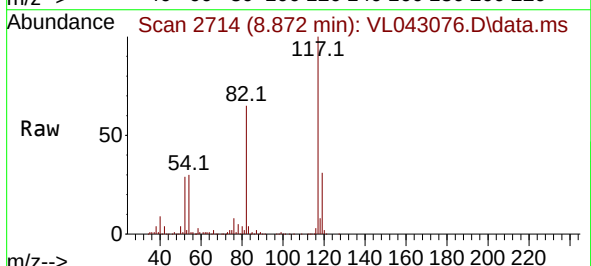
Manual Integrations
APPROVED

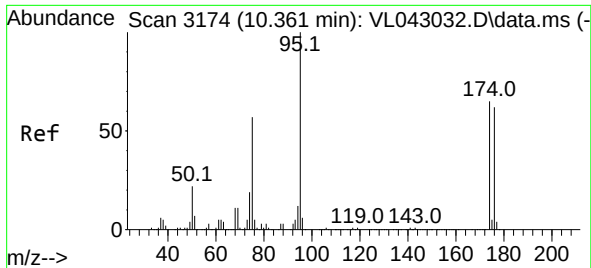
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.010 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

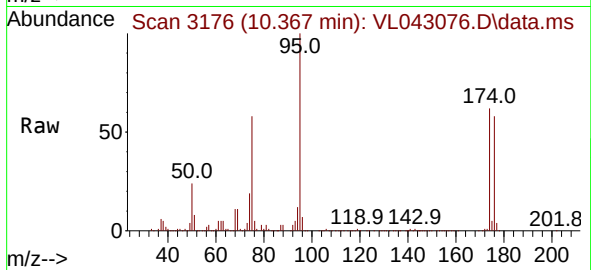
Tgt Ion:117 Resp: 326320
Ion Ratio Lower Upper
117 100
82 65.2 53.0 79.6
119 32.4 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.880 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.007 min
 Lab File: VL043076.D
 Acq: 09 Oct 2025 01:28

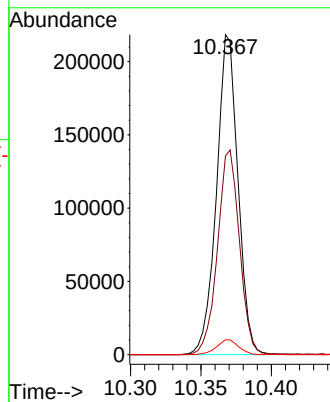
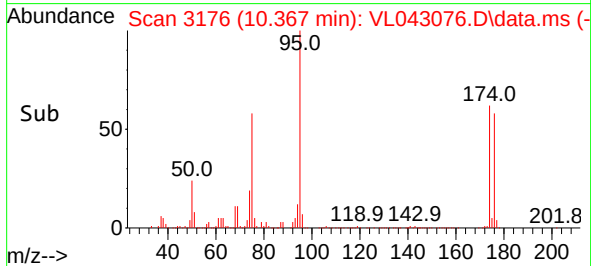
Instrument :
 MSVOA_L
 ClientSampleId :
 IA4



Tgt Ion: 95 Resp: 232249
 Ion Ratio Lower Upper
 95 100
 174 65.8 52.3 78.5
 175 4.9 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4	SDG No.:	Q3320
Lab Sample ID:	Q3320-08	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043095.D	8		10/09/25 19:29	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	4.35	U	4.35	19.8
74-87-3	Chloromethane	0.78	1.61	U	1.61	8.26
75-01-4	Vinyl Chloride	0.20	0.51	U	0.51	0.61
74-83-9	Bromomethane	0.62	2.41	U	2.41	15.5
75-00-3	Chloroethane	1.20	3.17	U	3.17	10.6
109-99-9	Tetrahydrofuran	1.30	3.83	J	1.89	11.8
75-69-4	Trichlorofluoromethane	1.40	7.87	U	7.87	22.5
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	8.43	U	8.43	30.7
76-14-2	Dichlorotetrafluoroethane	1.20	8.39	U	8.39	28.0
75-65-0	tert-Butyl alcohol	1.30	3.94	U	3.94	12.1
142-82-5	Heptane	2.90	11.9	J	5.74	16.4
75-35-4	1,1-Dichloroethene	1.20	4.76	U	4.76	15.9
67-64-1	Acetone	210	499	E	3.33	9.50
75-15-0	Carbon Disulfide	1.10	3.43	J	1.99	12.5
1634-04-4	Methyl tert-Butyl Ether	1.80	6.49	U	6.49	14.4
75-09-2	Methylene Chloride	3.20	11.1	J	6.25	13.9
156-60-5	trans-1,2-Dichloroethene	0.96	3.81	U	3.81	15.9
75-34-3	1,1-Dichloroethane	1.00	4.05	U	4.05	16.2
110-82-7	Cyclohexane	1.80	6.20	U	6.20	13.8
78-93-3	2-Butanone	4.10	12.1		1.33	11.8
56-23-5	Carbon Tetrachloride	0.20	1.26	U	1.26	1.51
156-59-2	cis-1,2-Dichloroethene	0.79	3.13	U	3.13	15.9
67-66-3	Chloroform	0.77	3.76	U	3.76	19.5
71-55-6	1,1,1-Trichloroethane	0.13	0.71	U	0.71	1.31
540-84-1	2,2,4-Trimethylpentane	1.10	5.14	U	5.14	18.7
71-43-2	Benzene	0.63	2.01	U	2.01	12.8
107-06-2	1,2-Dichloroethane	0.74	3.00	U	3.00	16.2
79-01-6	Trichloroethene	0.92	4.94		1.02	1.29
78-87-5	1,2-Dichloropropane	1.00	4.62	U	4.62	18.5
75-27-4	Bromodichloromethane	0.50	3.35	U	3.35	26.8
108-10-1	4-Methyl-2-Pentanone	0.78	3.20	U	3.20	16.4
108-88-3	Toluene	4.50	17.0		4.90	15.1
10061-02-6	t-1,3-Dichloropropene	1.20	5.45	U	5.45	18.2
10061-01-5	cis-1,3-Dichloropropene	0.88	4.00	U	4.00	18.2
79-00-5	1,1,2-Trichloroethane	0.65	3.55	U	3.55	21.8

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4	SDG No.:	Q3320
Lab Sample ID:	Q3320-08	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043095.D	8		10/09/25 19:29	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.68	5.79	U	5.79	34.1
106-93-4	1,2-Dibromoethane	0.68	5.23	U	5.23	6.15
127-18-4	Tetrachloroethene	1.60	10.8		0.81	1.63
108-90-7	Chlorobenzene	0.62	2.86	U	2.86	18.4
100-41-4	Ethyl Benzene	1.50	6.52	U	6.52	17.4
179601-23-1	m/p-Xylene	3.30	14.3	U	14.3	34.8
95-47-6	o-Xylene	2.20	9.56	J	7.38	17.4
100-42-5	Styrene	1.30	5.53	U	5.53	17.0
75-25-2	Bromoform	0.38	3.93	U	3.93	41.4
79-34-5	1,1,2,2-Tetrachloroethane	0.14	0.96	U	0.96	1.65
95-49-8	2-Chlorotoluene	1.40	7.25	U	7.25	20.7
108-67-8	1,3,5-Trimethylbenzene	1.40	6.88	U	6.88	19.7
95-63-6	1,2,4-Trimethylbenzene	1.40	6.88	U	6.88	19.7
541-73-1	1,3-Dichlorobenzene	0.43	2.59	U	2.59	24.1
106-46-7	1,4-Dichlorobenzene	1.00	6.01	U	6.01	24.1
95-50-1	1,2-Dichlorobenzene	1.00	6.01	U	6.01	24.1
120-82-1	1,2,4-Trichlorobenzene	1.70	12.6	U	12.6	29.7
87-68-3	Hexachloro-1,3-Butadiene	1.00	10.7	U	10.7	42.7
106-99-0	1,3-Butadiene	0.41	0.91	U	0.91	8.85
91-20-3	Naphthalene	0.10	0.52	U	0.52	4.19
622-96-8	4-Ethyltoluene	1.70	8.36	U	8.36	19.7
110-54-3	Hexane	25.7	90.6		4.58	14.1
107-05-1	Allyl Chloride	0.88	2.75	U	2.75	12.5
123-91-1	1,4-Dioxane	1.80	6.49	U	6.49	14.4
80-62-6	Methyl Methacrylate	1.10	4.50	U	4.50	16.4

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	11.4		65 - 135	114%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	173000	2.774
540-36-3	1,4-Difluorobenzene	465000	3.939
3114-55-4	Chlorobenzene-d5	485000	8.859

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4	SDG No.:	Q3320
Lab Sample ID:	Q3320-08	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043095.D	8		10/09/25 19:29	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043095.D
 Acq On : 09 Oct 2025 19:29
 Operator : SY/MD
 Sample : Q3320-08 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:20:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172723	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	465309	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	484936	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 397319 11.373 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.700%

Target Compounds

					Qvalue	
10) Heptane	4.949	43	10235m	0.367	ppbv	
11) Trichlorofluoromethane	1.868	101	3668	0.123	ppbv	86
13) Ethanol	1.712	45	3950	8.330	ppbv #	31
15) Acetone	1.826	43	633247	26.184	ppbv	97
19) Isopropyl Alcohol	1.877	45	5270	0.455	ppbv #	1
20) Methylene Chloride	2.052	84	4225	0.400	ppbv #	82
26) Hexane	2.813	57	75020	3.214	ppbv #	33
27) Carbon Disulfide	2.143	76	3775	0.137	ppbv #	1
30) Cyclohexane	3.832	84	1946	0.101	ppbv #	74
34) 2-Butanone	2.547	43	16309	0.517	ppbv	94
38) Trichloroethene	4.525	130	2129m	0.115	ppbv	
41) Tetrahydrofuran	3.049	42	2722m	0.167	ppbv	
51) 2-Hexanone	7.415	43	21044m	0.768	ppbv	
52) Tetrachloroethene	8.202	164	3384	0.206	ppbv #	89
53) Toluene	6.904	91	25103	0.559	ppbv	100
58) Ethyl Benzene	9.338	91	10626m	0.141	ppbv	
59) m/p-Xylene	9.513	91	24230m	0.382	ppbv	
60) o-Xylene	9.943	91	16993m	0.269	ppbv	

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

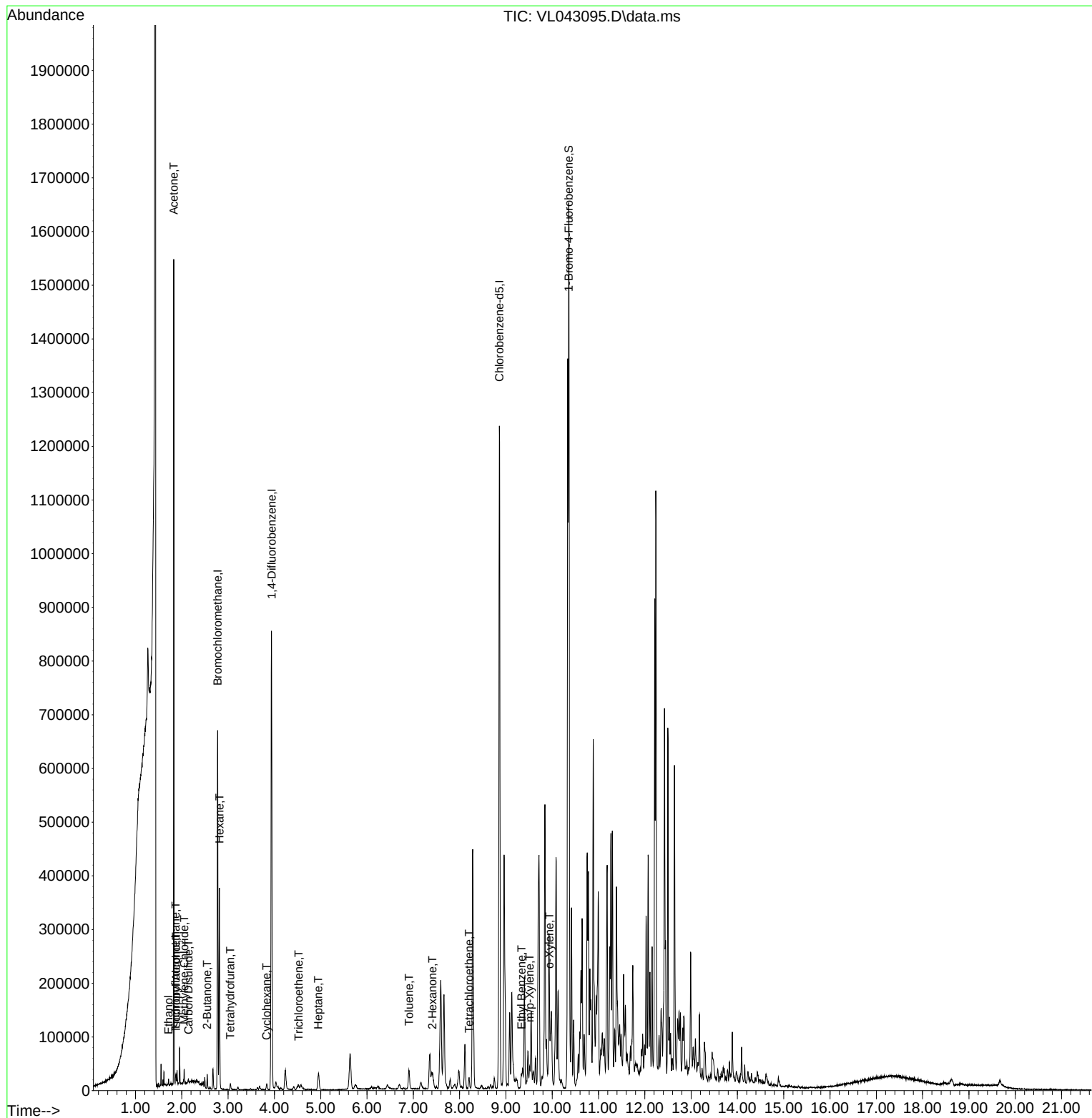
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043095.D
Acq On : 09 Oct 2025 19:29
Operator : SY/MD
Sample : Q3320-08 8X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

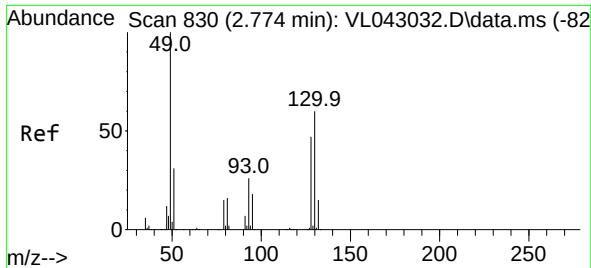
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Oct 09 22:20:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

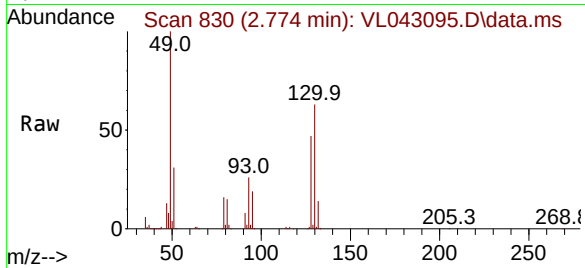
Reviewed By : Semsettin Yesilyurt 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

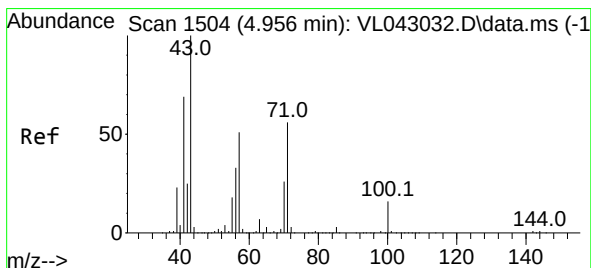
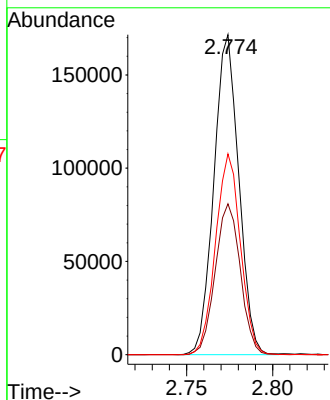
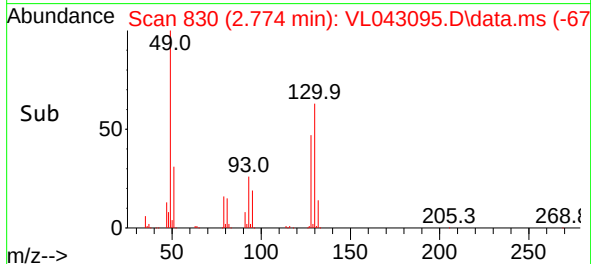
Instrument :
MSVOA_L
ClientSampleId :
SV4



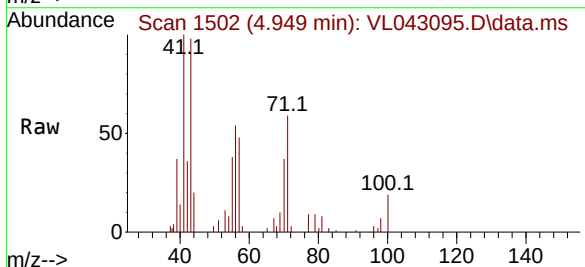
Tgt Ion: 49 Resp: 17272
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 62.8 31.4 94.3

Manual Integrations
APPROVED

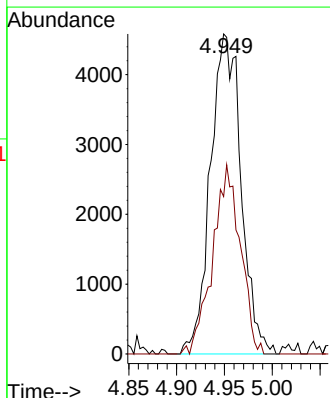
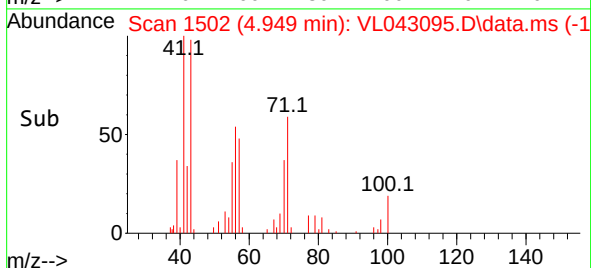
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

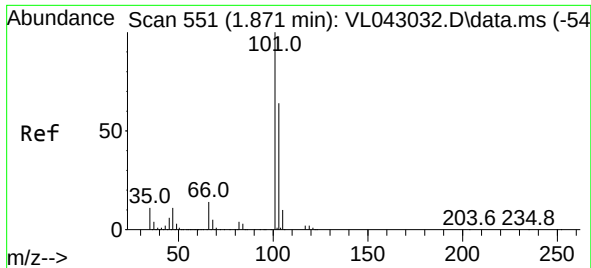


#10
Heptane
Concen: 0.367 ppbv m
RT: 4.949 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



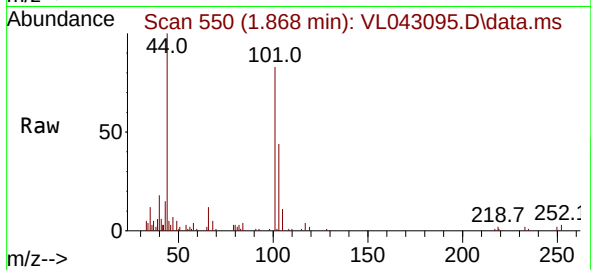
Tgt Ion: 43 Resp: 10235
Ion Ratio Lower Upper
43 100
57 53.3 40.3 60.5





#11
Trichlorofluoromethane
Concen: 0.123 ppbv
RT: 1.868 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

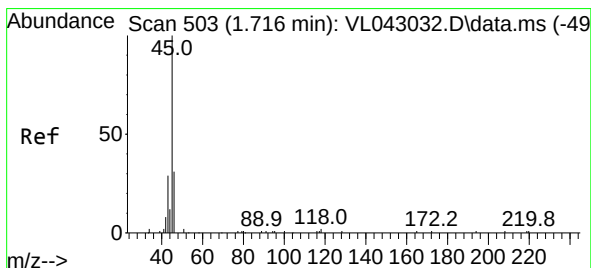
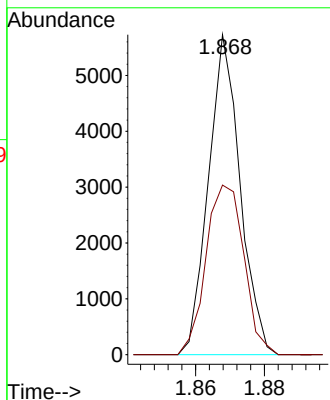
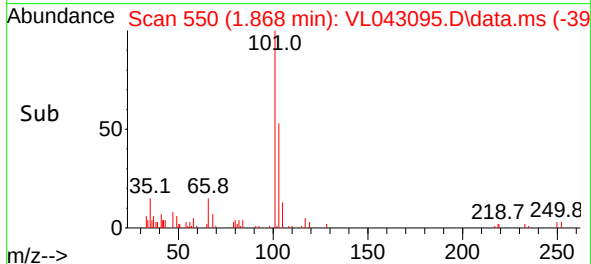
Instrument :
MSVOA_L
ClientSampleId :
SV4



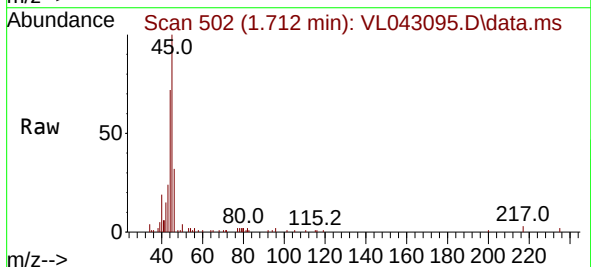
Tgt Ion:101 Resp: 3668
Ion Ratio Lower Upper
101 100
103 53.0 51.1 76.7

Manual Integrations
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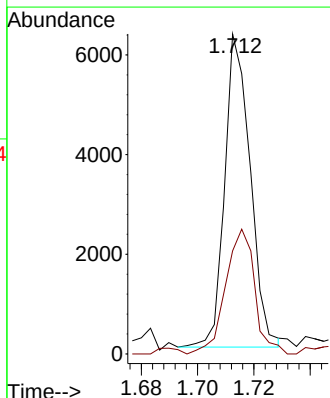
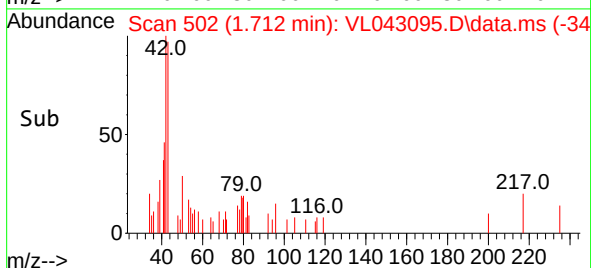
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

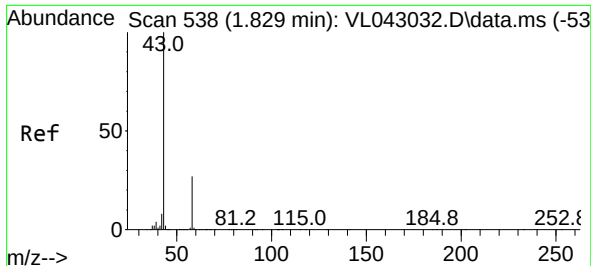


#13
Ethanol
Concen: 8.330 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.004 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



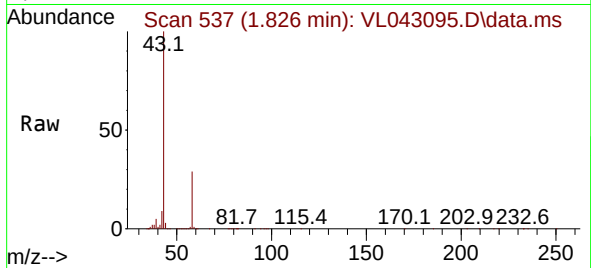
Tgt Ion: 45 Resp: 3950
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 26.184 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

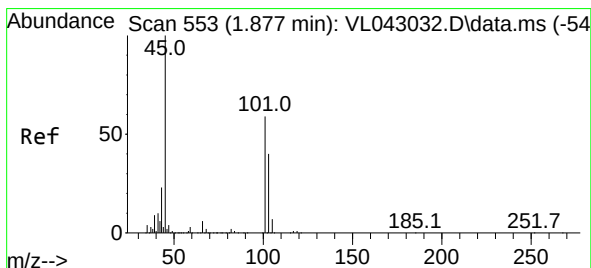
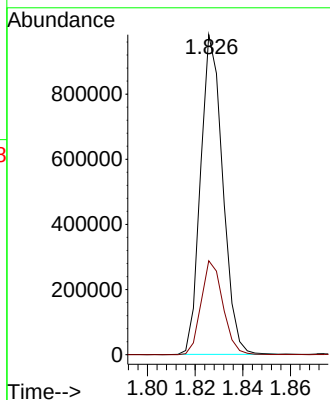
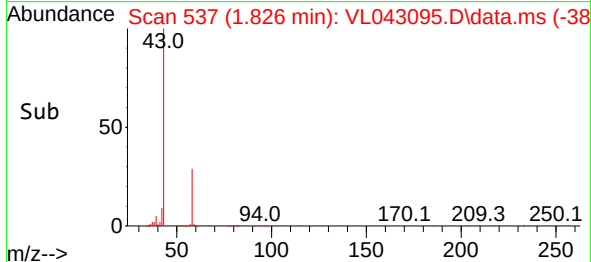
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 63324
Ion Ratio Lower Upper
43 100
58 29.2 22.2 33.4

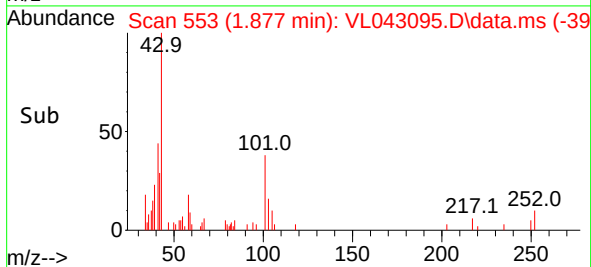
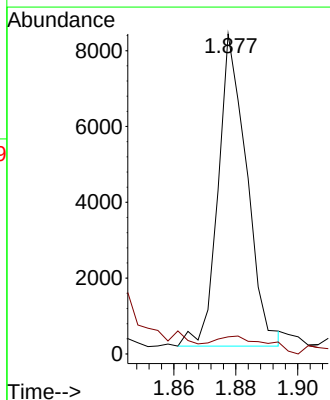
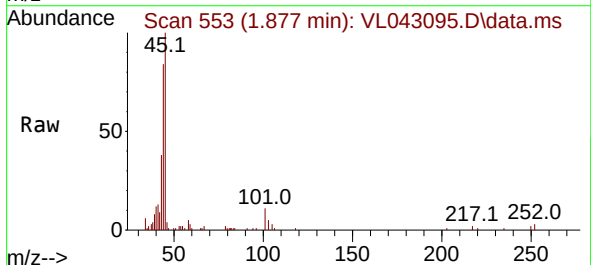
Manual Integrations
APPROVED

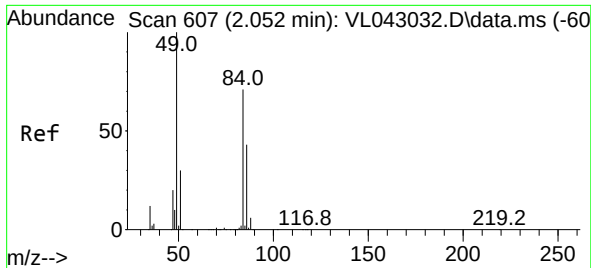
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#19
Isopropyl Alcohol
Concen: 0.455 ppbv
RT: 1.877 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

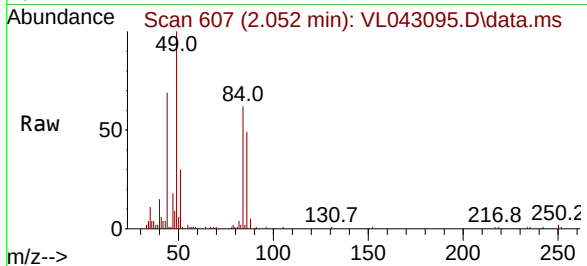
Tgt Ion: 45 Resp: 5270
Ion Ratio Lower Upper
45 100
58 3505.6 42.3 63.5#





#20
Methylene Chloride
Concen: 0.400 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

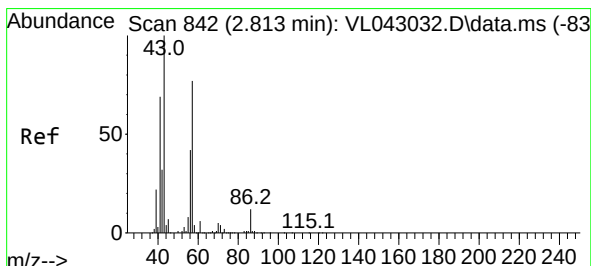
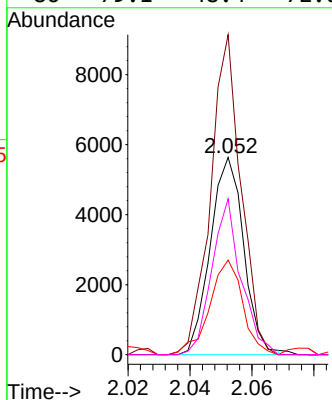
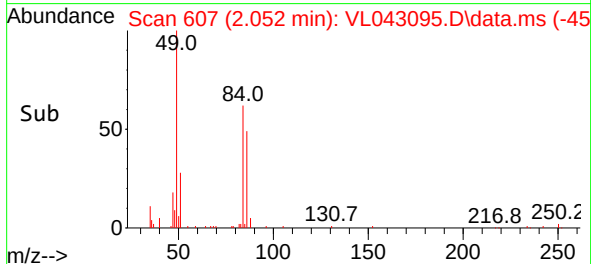
Instrument :
MSVOA_L
ClientSampleId :
SV4



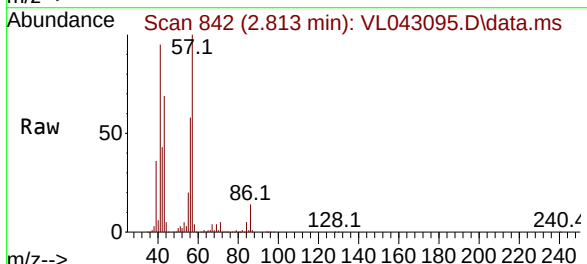
Tgt Ion: 84 Resp: 4225
Ion Ratio Lower Upper
84 100
49 162.3 112.5 168.7
51 48.0 34.2 51.2
86 79.1 48.4 72.6#

Manual Integrations
APPROVED

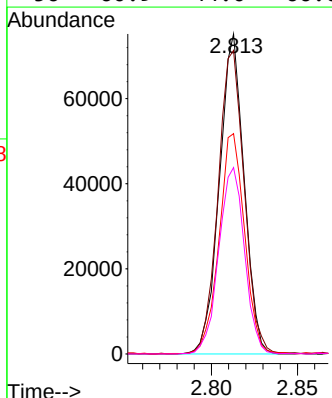
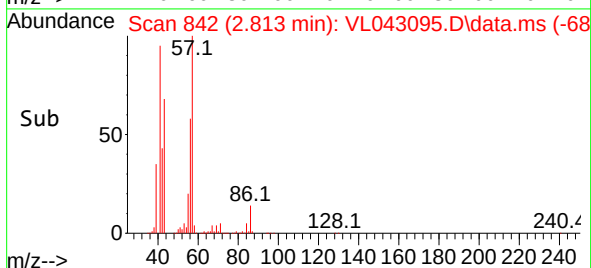
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

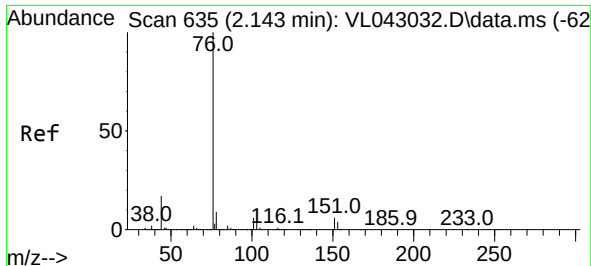


#26
Hexane
Concen: 3.214 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



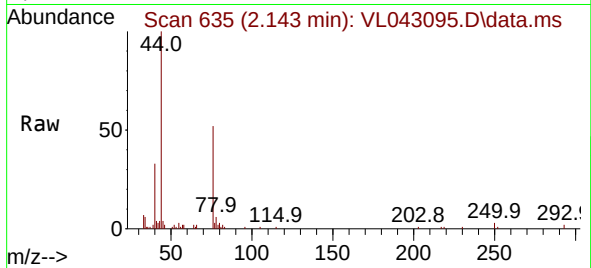
Tgt Ion: 57 Resp: 75020
Ion Ratio Lower Upper
57 100
41 101.8 76.1 114.1
43 71.9 201.4 302.0#
56 60.9 44.0 66.0





#27
Carbon Disulfide
Concen: 0.137 ppbv
RT: 2.143 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

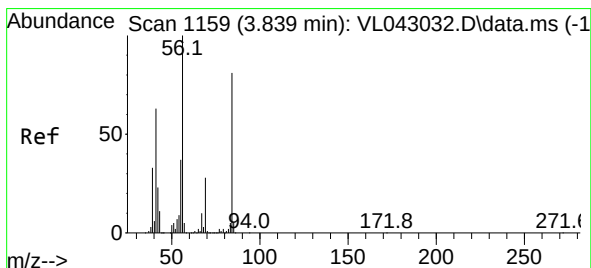
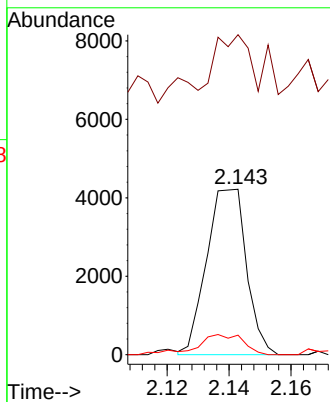
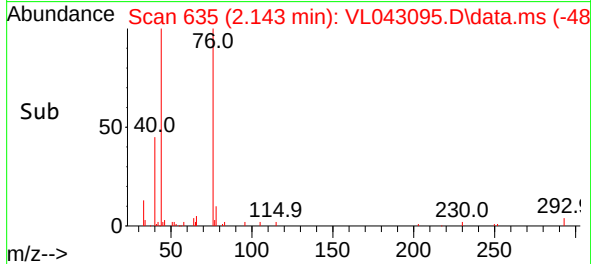
Instrument :
MSVOA_L
ClientSampleId :
SV4



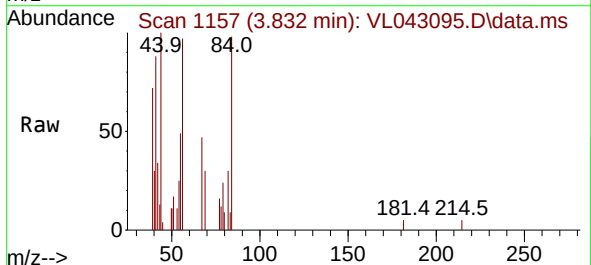
Tgt Ion: 76 Resp: 3775
Ion Ratio Lower Upper
76 100
44 113.8 14.0 21.0
78 14.2 9.4 14.0

Manual Integrations
APPROVED

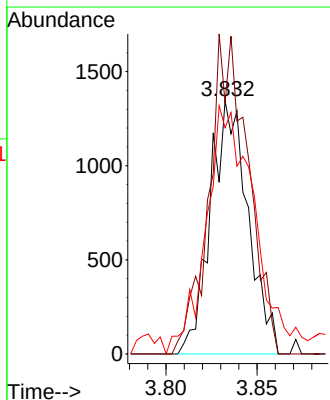
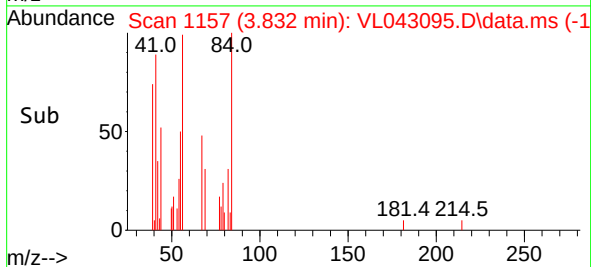
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

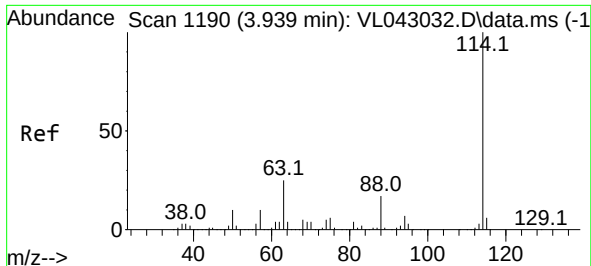


#30
Cyclohexane
Concen: 0.101 ppbv
RT: 3.832 min Scan# 1157
Delta R.T. -0.006 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



Tgt Ion: 84 Resp: 1946
Ion Ratio Lower Upper
84 100
56 129.9 99.9 149.9
41 133.2 64.2 96.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.000 min

Lab File: VL043095.D

Acq: 09 Oct 2025 19:29

Instrument :

MSVOA_L

ClientSampleId :

SV4

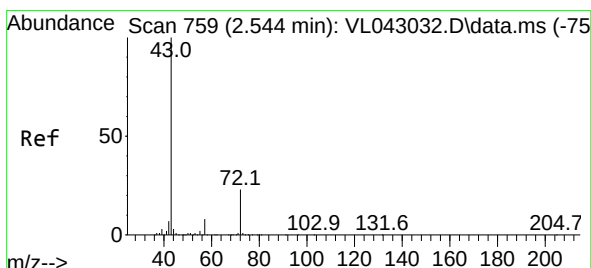
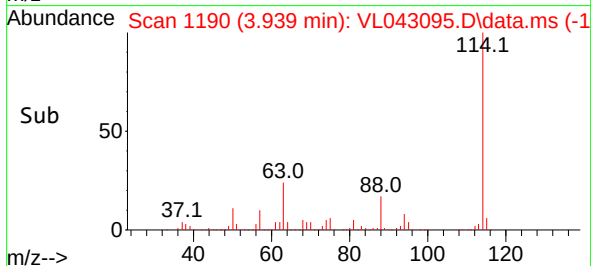
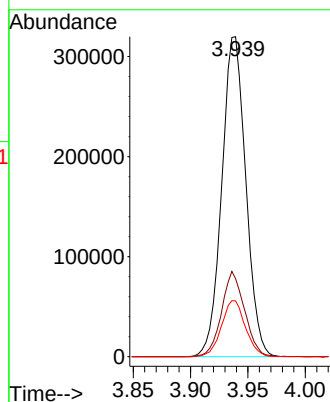
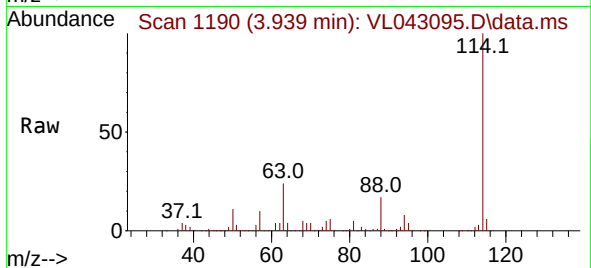
Tgt Ion:114 Resp: 465309

Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.4	29.2
88	17.5	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.517 ppbv

RT: 2.547 min Scan# 760

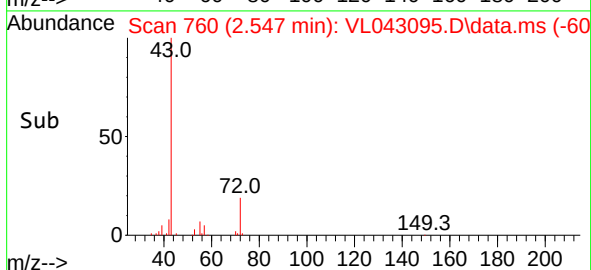
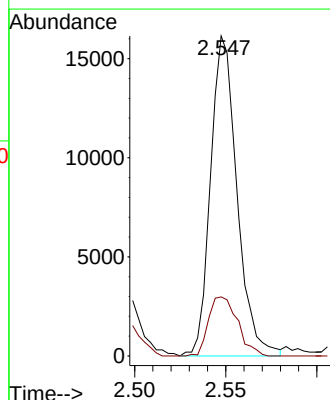
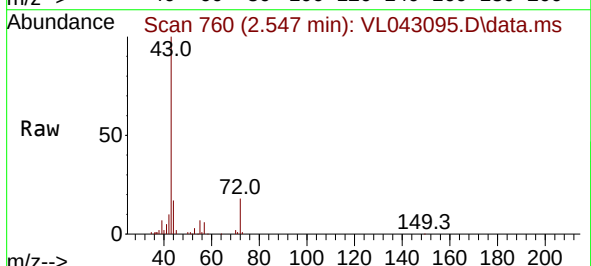
Delta R.T. 0.003 min

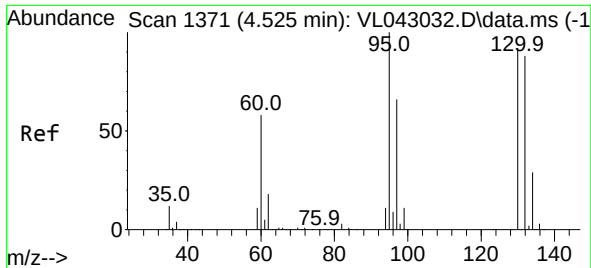
Lab File: VL043095.D

Acq: 09 Oct 2025 19:29

Tgt Ion: 43 Resp: 16309

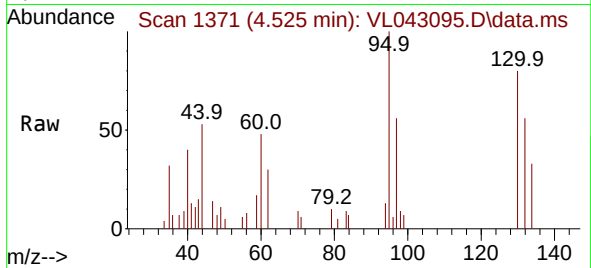
Ion	Ratio	Lower	Upper
43	100		
72	20.3	18.4	27.6





#38
Trichloroethene
Concen: 0.115 ppbv m
RT: 4.525 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

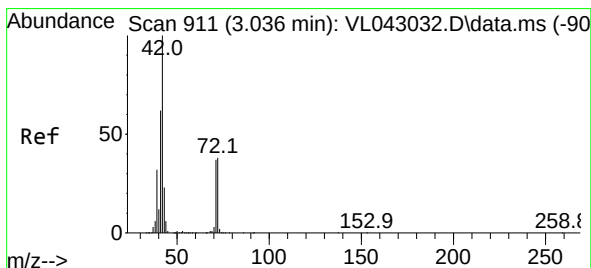
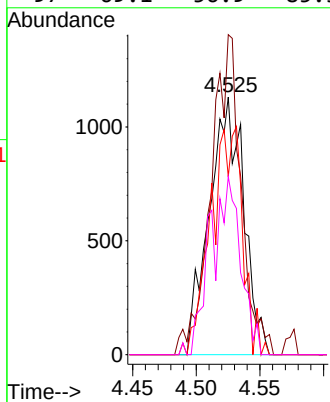
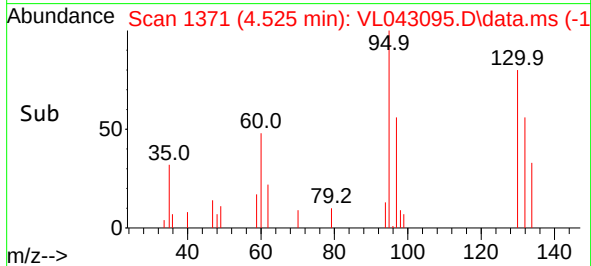
Instrument :
MSVOA_L
ClientSampleId :
SV4



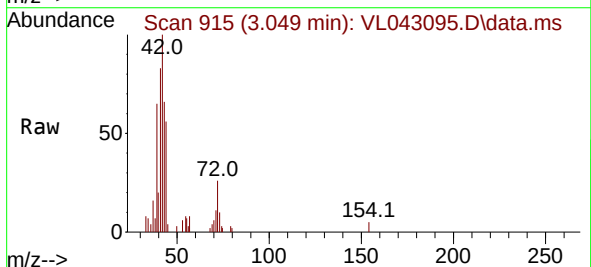
Tgt Ion:130 Resp: 2129
Ion Ratio Lower Upper
130 100
95 124.2 86.4 129.6
132 69.1 75.7 113.5
97 69.1 56.9 85.3

Manual Integrations
APPROVED

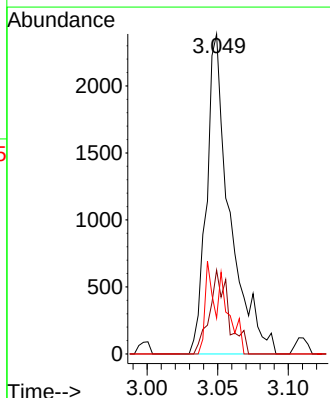
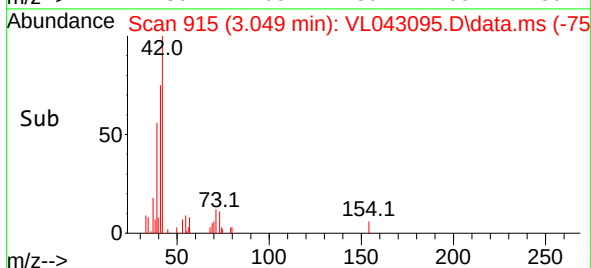
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

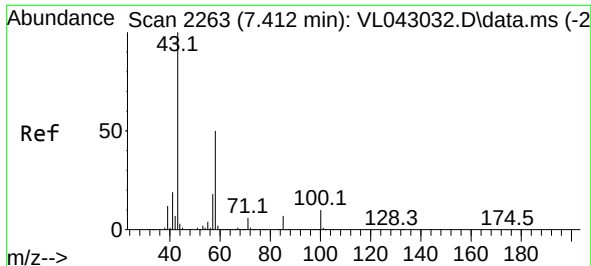


#41
Tetrahydrofuran
Concen: 0.167 ppbv m
RT: 3.049 min Scan# 915
Delta R.T. 0.013 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



Tgt Ion: 42 Resp: 2722
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.6#
71 0.0 29.8 44.6#





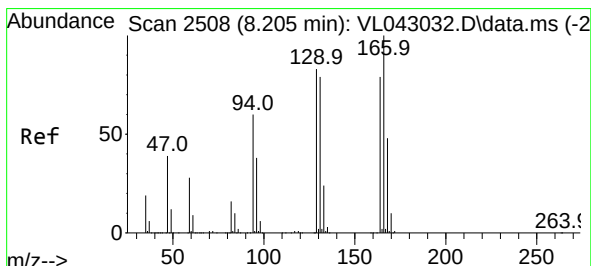
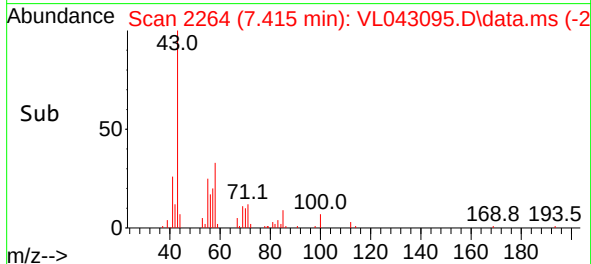
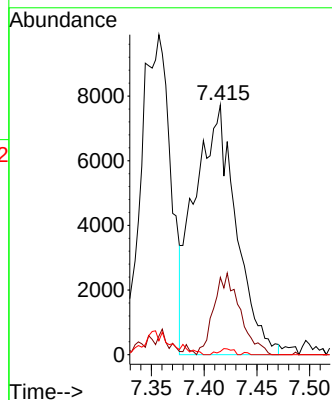
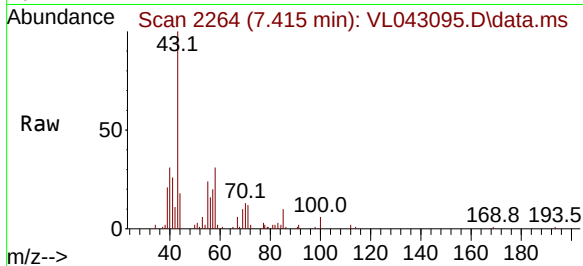
#51
2-Hexanone
Concen: 0.768 ppbv m
RT: 7.415 min Scan# 2104
Delta R.T. 0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.5 0.7

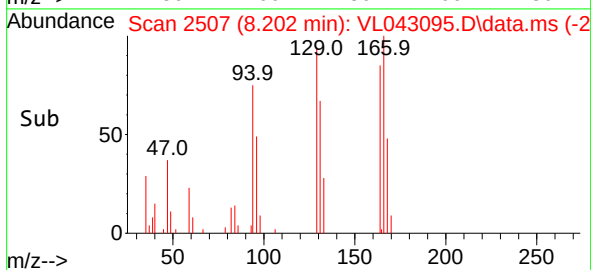
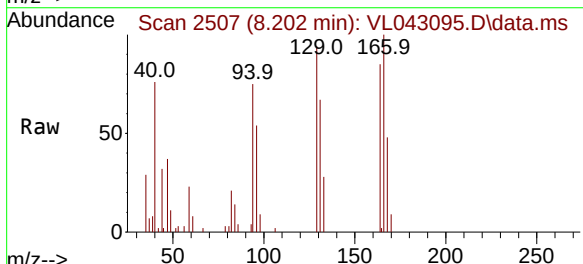
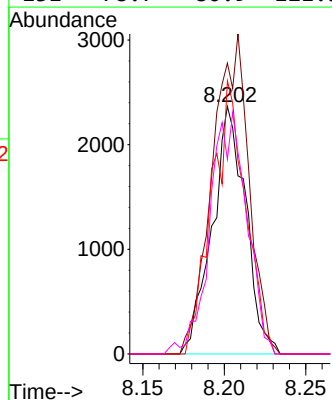
Manual Integrations
APPROVED

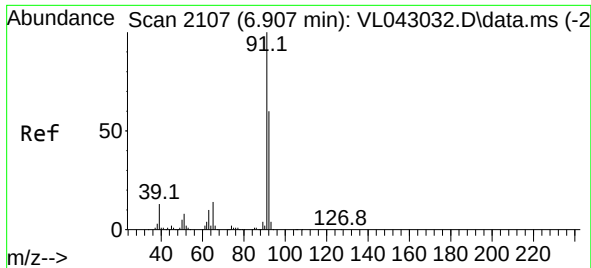
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 0.206 ppbv
RT: 8.202 min Scan# 2507
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

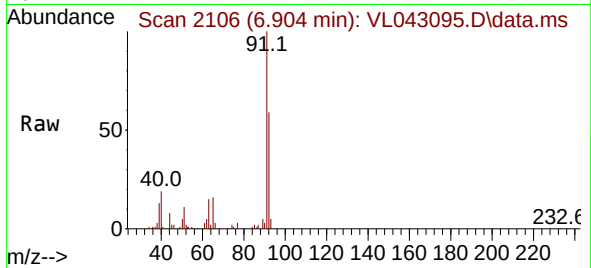
Tgt Ion:164 Resp: 3384
Ion Ratio Lower Upper
164 100
166 117.5 101.8 152.8
129 110.4 84.5 126.7
131 78.7 80.9 121.3#





#53
Toluene
Concen: 0.559 ppbv
RT: 6.904 min Scan# 2106
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

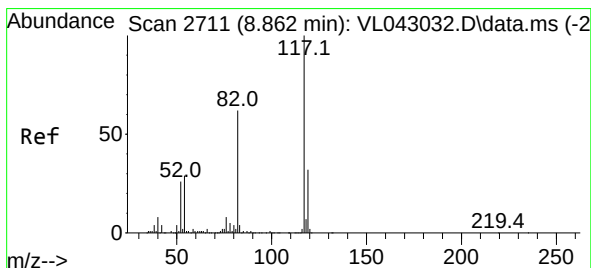
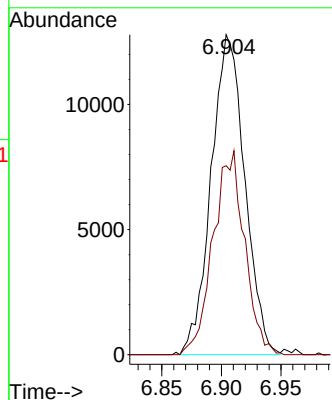
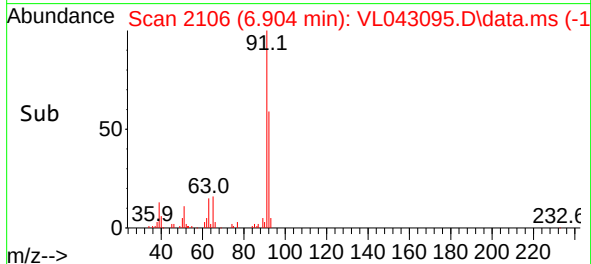
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 91 Resp: 2510
Ion Ratio Lower Upper
91 100
92 59.5 47.8 71.6

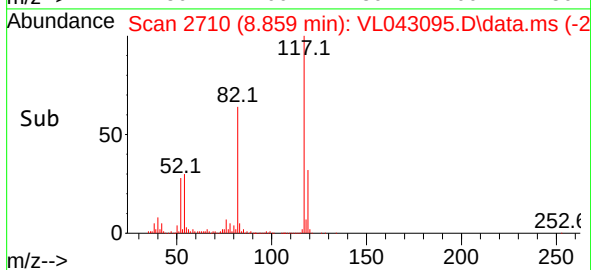
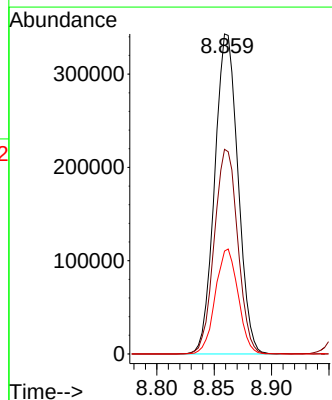
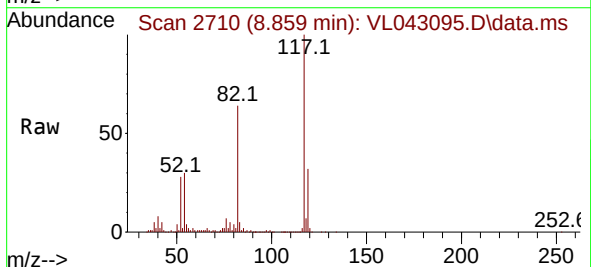
Manual Integrations
APPROVED

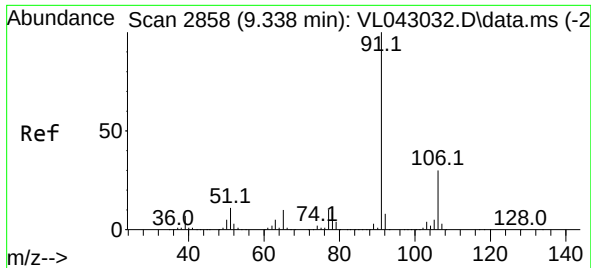
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 2710
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

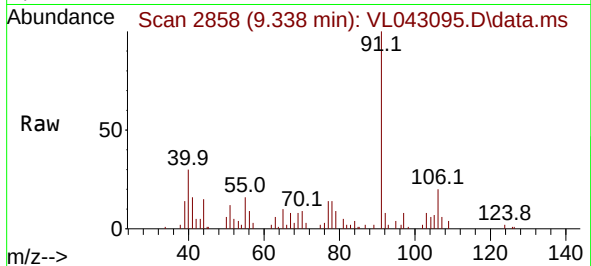
Tgt Ion:117 Resp: 484936
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.1 25.4 38.2





#58
Ethyl Benzene
Concen: 0.141 ppbv m
RT: 9.338 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

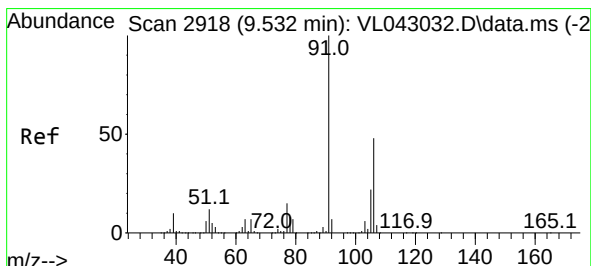
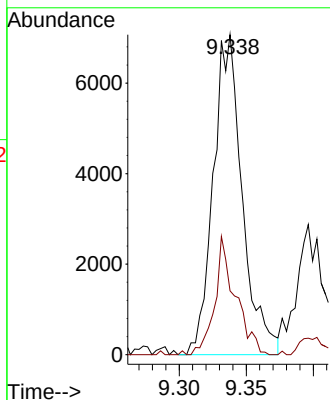
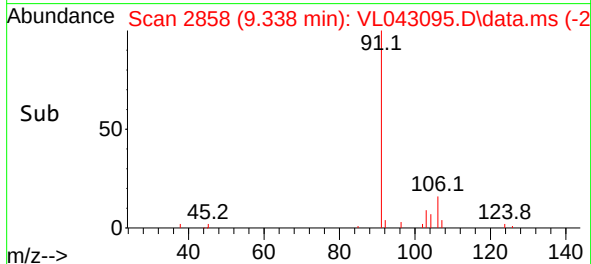
Instrument :
MSVOA_L
ClientSampleId :
SV4



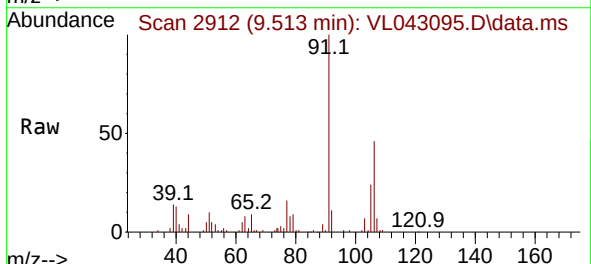
Tgt Ion: 91 Resp: 10620
Ion Ratio Lower Upper
91 100
106 19.9 24.1 36.1

Manual Integrations
APPROVED

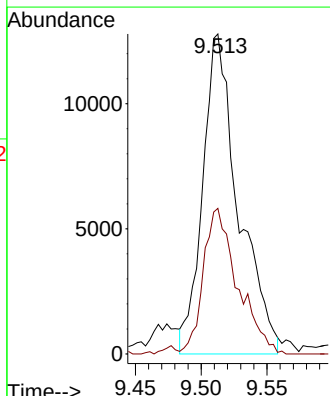
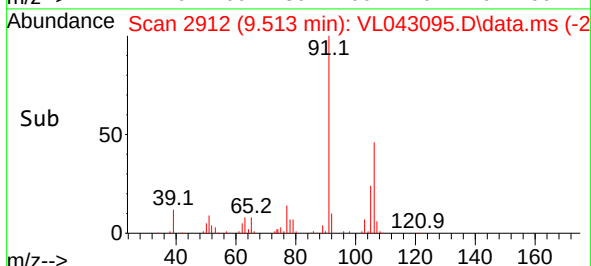
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

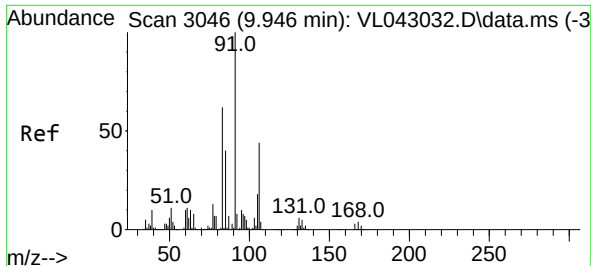


#59
m/p-Xylene
Concen: 0.382 ppbv m
RT: 9.513 min Scan# 2912
Delta R.T. -0.019 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



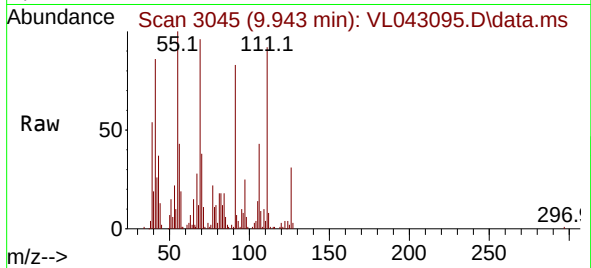
Tgt Ion: 91 Resp: 24230
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3





#60
o-Xylene
Concen: 0.269 ppbv m
RT: 9.943 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29

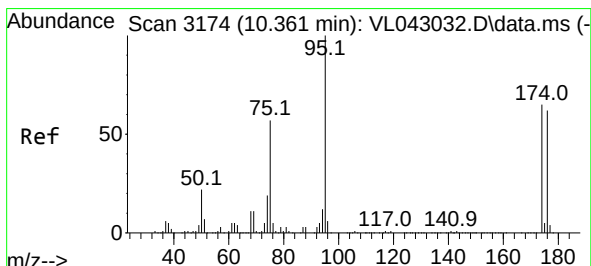
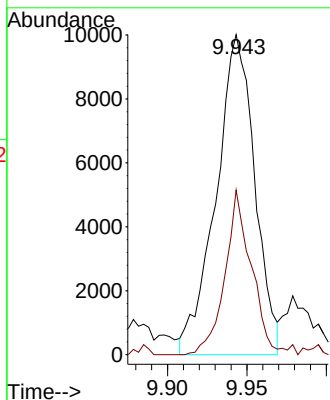
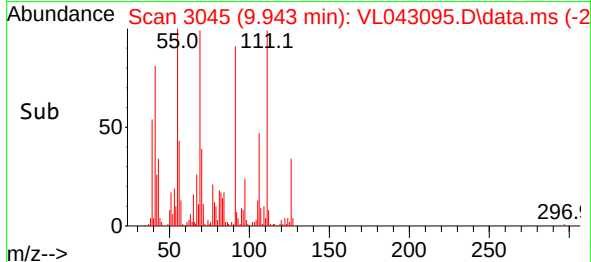
Instrument :
MSVOA_L
ClientSampleId :
SV4



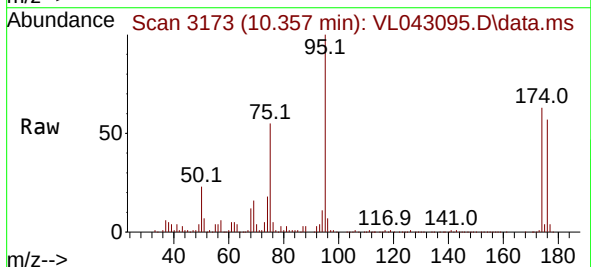
Tgt Ion: 91 Resp: 1699
Ion Ratio Lower Upper
91 100
106 35.1 21.9 65.5

Manual Integrations
APPROVED

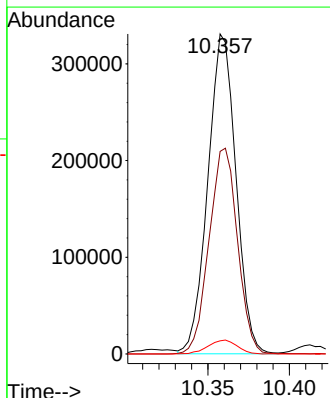
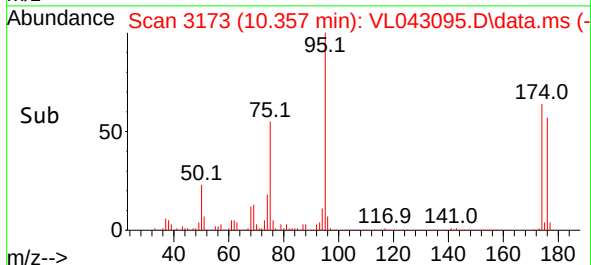
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.373 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043095.D
Acq: 09 Oct 2025 19:29



Tgt Ion: 95 Resp: 397319
Ion Ratio Lower Upper
95 100
174 65.0 52.3 78.5
175 4.5 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-08DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043101.D	40		10/09/25 22:58	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	21.8	UD	21.8	98.9
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3
75-01-4	Vinyl Chloride	1.00	2.56	UD	2.56	3.07
74-83-9	Bromomethane	3.10	12.0	UD	12.0	77.7
75-00-3	Chloroethane	6.00	15.8	UD	15.8	52.8
109-99-9	Tetrahydrofuran	3.20	9.44	UD	9.44	59.0
75-69-4	Trichlorofluoromethane	6.80	38.2	UD	38.2	112
76-13-1	1,1,2-Trichlorotrifluoroethane	5.60	42.9	UD	42.9	153
76-14-2	Dichlorotetrafluoroethane	6.00	41.9	UD	41.9	140
75-65-0	tert-Butyl alcohol	6.40	19.4	UD	19.4	60.6
142-82-5	Heptane	6.80	27.9	UD	27.9	82.0
75-35-4	1,1-Dichloroethene	6.00	23.8	UD	23.8	79.3
67-64-1	Acetone	230	546	D	17.1	47.5
75-15-0	Carbon Disulfide	3.20	9.97	UD	9.97	62.3
1634-04-4	Methyl tert-Butyl Ether	9.20	33.2	UD	33.2	72.1
75-09-2	Methylene Chloride	9.70	33.7	JD	32.0	69.5
156-60-5	trans-1,2-Dichloroethene	4.80	19.0	UD	19.0	79.3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0
110-82-7	Cyclohexane	8.80	30.3	UD	30.3	68.8
78-93-3	2-Butanone	4.70	13.9	JD	6.49	59.0
56-23-5	Carbon Tetrachloride	1.00	6.29	UD	6.29	7.55
156-59-2	cis-1,2-Dichloroethene	4.00	15.9	UD	15.9	79.3
67-66-3	Chloroform	3.80	18.6	UD	18.6	97.7
71-55-6	1,1,1-Trichloroethane	0.64	3.49	UD	3.49	6.55
540-84-1	2,2,4-Trimethylpentane	5.60	26.2	UD	26.2	93.4
71-43-2	Benzene	3.20	10.2	UD	10.2	63.9
107-06-2	1,2-Dichloroethane	3.70	15.0	UD	15.0	81.0
79-01-6	Trichloroethene	0.96	5.16	UD	5.16	6.45
78-87-5	1,2-Dichloropropane	5.20	24.0	UD	24.0	92.4
75-27-4	Bromodichloromethane	2.50	16.8	UD	16.8	134
108-10-1	4-Methyl-2-Pentanone	3.90	16.0	UD	16.0	82.0
108-88-3	Toluene	6.40	24.1	UD	24.1	75.4
10061-02-6	t-1,3-Dichloropropene	6.00	27.2	UD	27.2	90.8
10061-01-5	cis-1,3-Dichloropropene	4.40	20.0	UD	20.0	90.8
79-00-5	1,1,2-Trichloroethane	3.20	17.5	UD	17.5	109

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-08DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043101.D	40		10/09/25 22:58	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	3.40	29.0	UD	29.0	170
106-93-4	1,2-Dibromoethane	3.40	26.1	UD	26.1	30.7
127-18-4	Tetrachloroethene	1.80	12.2	D	4.07	8.14
108-90-7	Chlorobenzene	3.10	14.3	UD	14.3	92.1
100-41-4	Ethyl Benzene	7.60	33.0	UD	33.0	86.9
179601-23-1	m/p-Xylene	16.4	71.2	UD	71.2	174
95-47-6	o-Xylene	8.40	36.5	UD	36.5	86.9
100-42-5	Styrene	6.40	27.3	UD	27.3	85.2
75-25-2	Bromoform	1.90	19.6	UD	19.6	207
79-34-5	1,1,2,2-Tetrachloroethane	0.72	4.94	UD	4.94	8.24
95-49-8	2-Chlorotoluene	6.80	35.2	UD	35.2	104
108-67-8	1,3,5-Trimethylbenzene	7.20	35.4	UD	35.4	98.3
95-63-6	1,2,4-Trimethylbenzene	7.20	35.4	UD	35.4	98.3
541-73-1	1,3-Dichlorobenzene	2.20	13.2	UD	13.2	120
106-46-7	1,4-Dichlorobenzene	5.20	31.3	UD	31.3	120
95-50-1	1,2-Dichlorobenzene	5.20	31.3	UD	31.3	120
120-82-1	1,2,4-Trichlorobenzene	8.40	62.4	UD	62.4	148
87-68-3	Hexachloro-1,3-Butadiene	5.20	55.5	UD	55.5	213
106-99-0	1,3-Butadiene	2.00	4.42	UD	4.42	44.3
91-20-3	Naphthalene	0.52	2.73	UD	2.73	21.0
622-96-8	4-Ethyltoluene	8.40	41.3	UD	41.3	98.3
110-54-3	Hexane	16.9	59.6	JD	22.6	70.5
107-05-1	Allyl Chloride	4.40	13.8	UD	13.8	62.6
123-91-1	1,4-Dioxane	8.80	31.7	UD	31.7	72.1
80-62-6	Methyl Methacrylate	5.60	22.9	UD	22.9	81.9

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	12.4		65 - 135	124%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	170000	2.774
540-36-3	1,4-Difluorobenzene	428000	3.939
3114-55-4	Chlorobenzene-d5	411000	8.862

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV4DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-08DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043101.D	40		10/09/25 22:58	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043101.D
 Acq On : 09 Oct 2025 22:58
 Operator : SY/MD
 Sample : Q3320-08DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 23:49:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	170025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	427891	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	411008	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	366115	12.365	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	123.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	972m	1.130	ppbv	
15) Acetone	1.829	43	137084	5.758	ppbv	100
20) Methylene Chloride	2.052	84	2512	0.242	ppbv #	90
26) Hexane	2.813	57	9710	0.423	ppbv #	28
34) 2-Butanone	2.551	43	3385m	0.117	ppbv	
52) Tetrachloroethene	8.205	164	670m	0.044	ppbv	

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

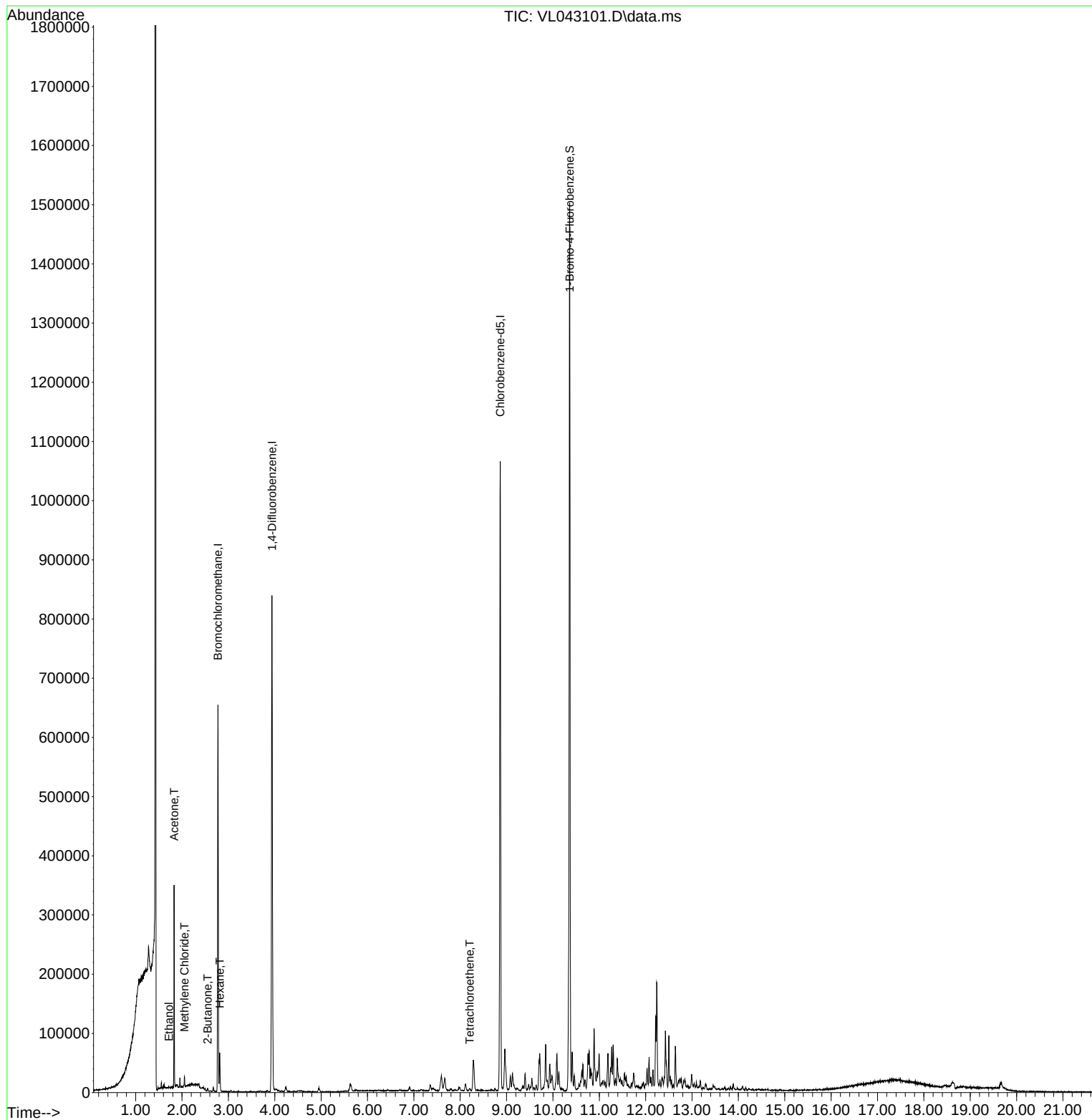
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Data File : VL043101.D
Acq On : 09 Oct 2025 22:58
Operator : SY/MD
Sample : Q3320-08DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

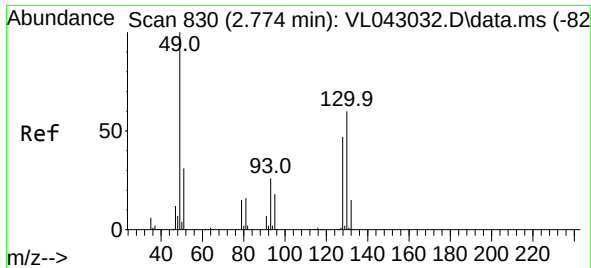
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

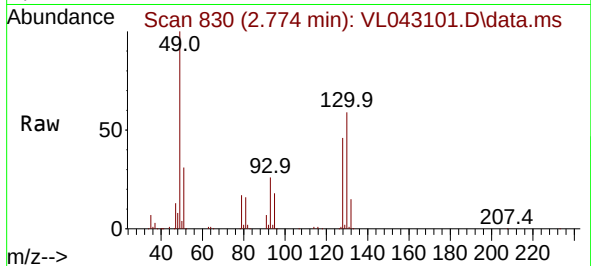
Quant Time: Oct 09 23:49:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

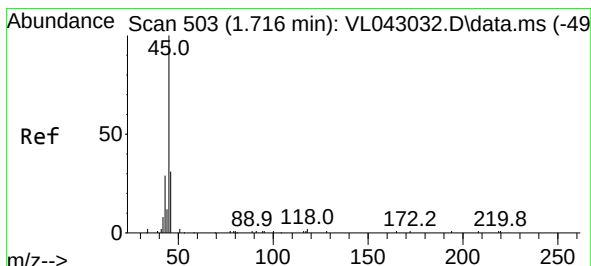
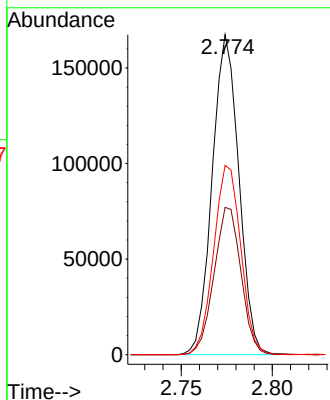
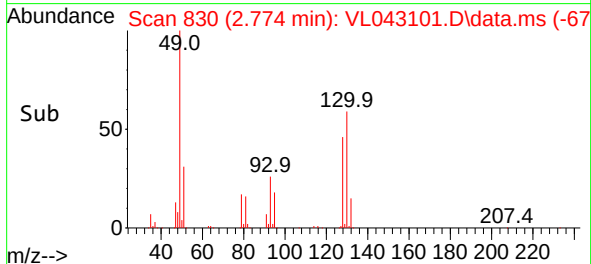
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 49 Resp: 170025
Ion Ratio Lower Upper
49 100
128 46.7 24.1 72.2
130 60.4 31.4 94.3

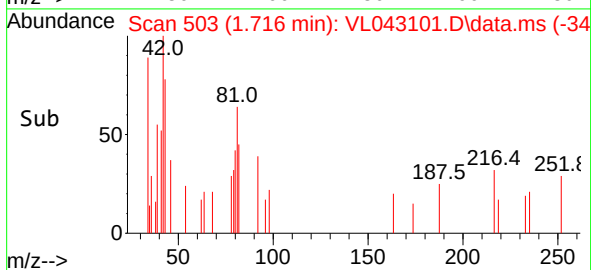
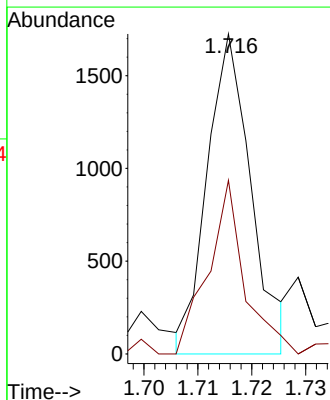
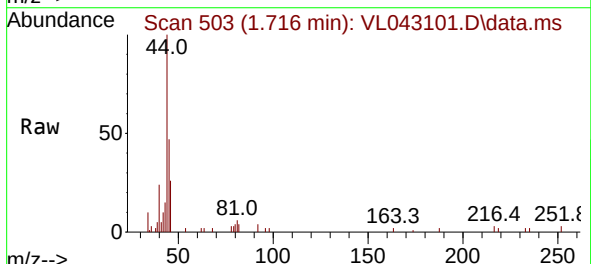
Manual Integrations
APPROVED

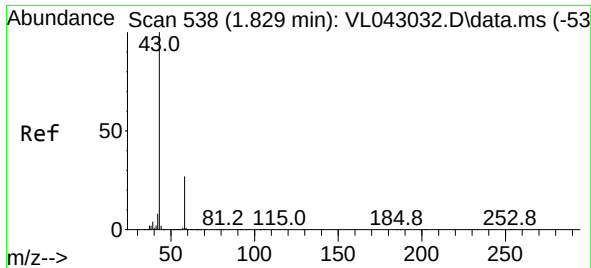
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 1.130 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

Tgt Ion: 45 Resp: 972
Ion Ratio Lower Upper
45 100
46 6990.9 17.8 71.4#





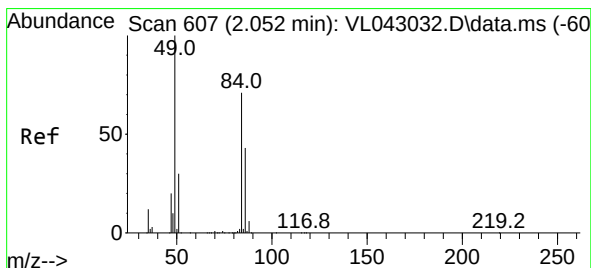
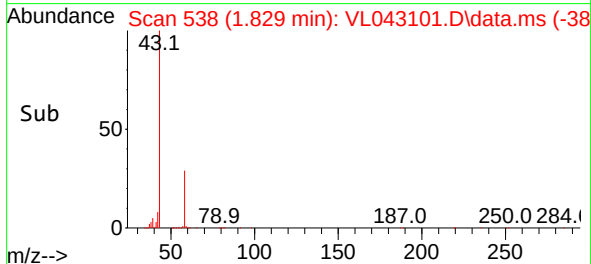
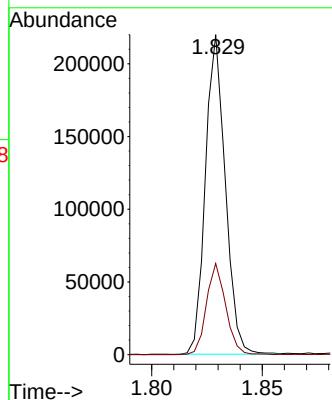
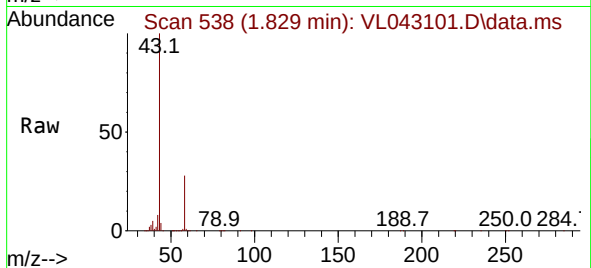
#15
Acetone
Concen: 5.758 ppbv
RT: 1.829 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tgt Ion: 43 Resp: 137084
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.4

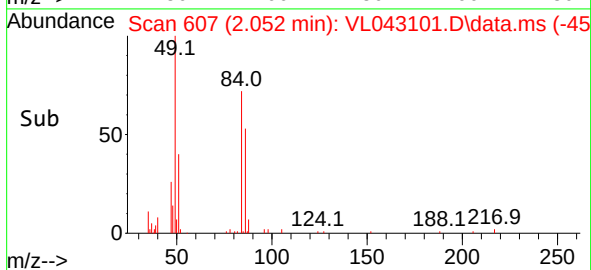
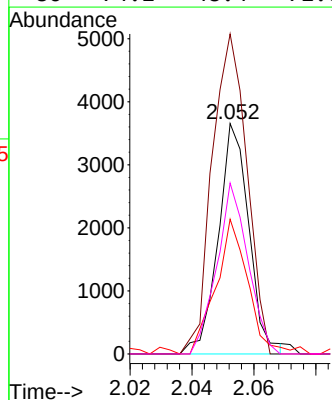
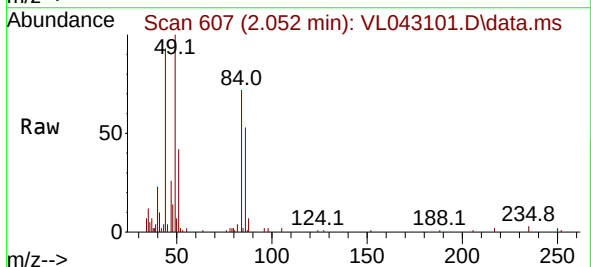
Manual Integrations
APPROVED

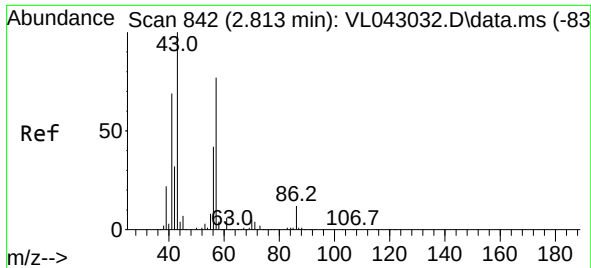
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.242 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

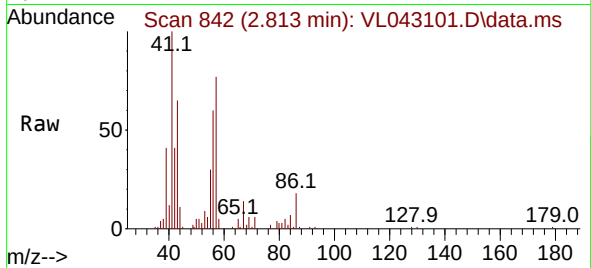
Tgt Ion: 84 Resp: 2512
Ion Ratio Lower Upper
84 100
49 138.9 112.5 168.7
51 58.5 34.2 51.2#
86 74.2 48.4 72.6#





#26
Hexane
Concen: 0.423 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

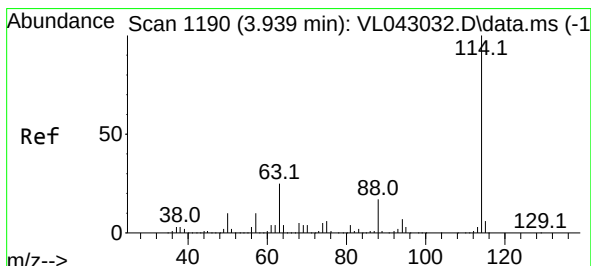
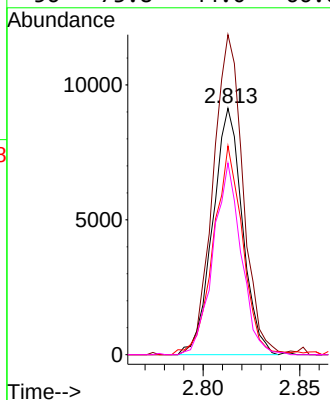
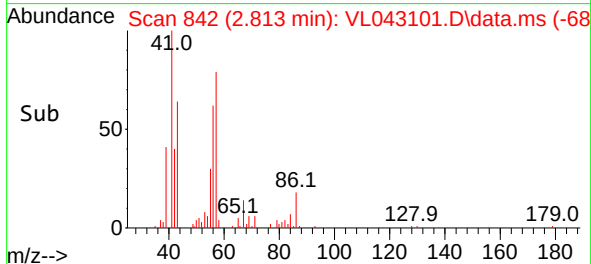
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 57 Resp: 9710
Ion Ratio Lower Upper
57 100
41 132.4 76.1 114.1
43 84.3 201.4 302.0
56 73.8 44.0 66.0

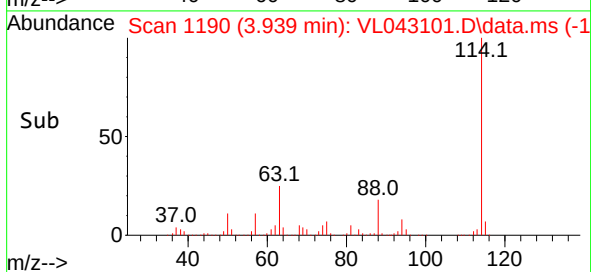
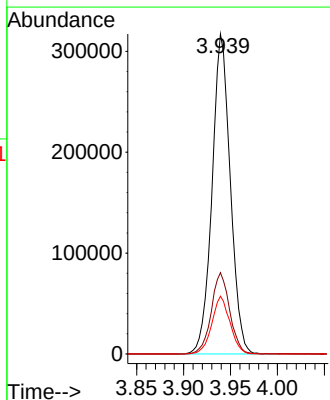
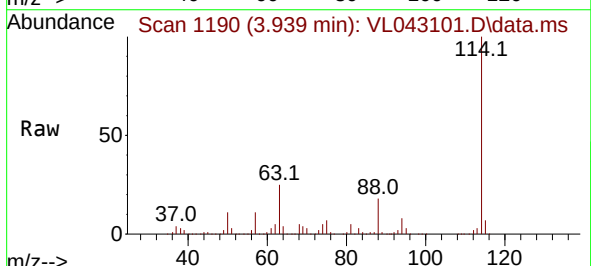
Manual Integrations
APPROVED

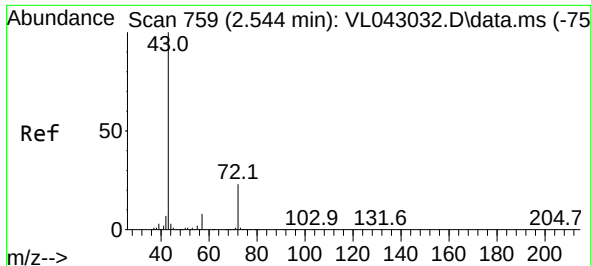
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

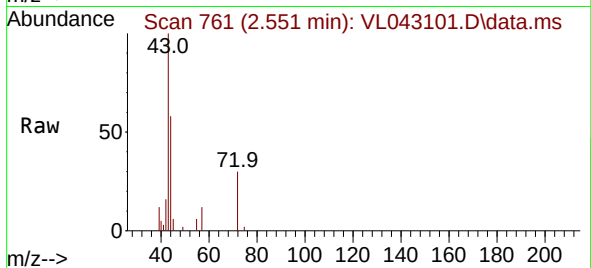
Tgt Ion:114 Resp: 427891
Ion Ratio Lower Upper
114 100
63 25.7 19.4 29.2
88 17.9 13.9 20.9





#34
2-Butanone
Concen: 0.117 ppbv m
RT: 2.551 min Scan# 759
Delta R.T. 0.006 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

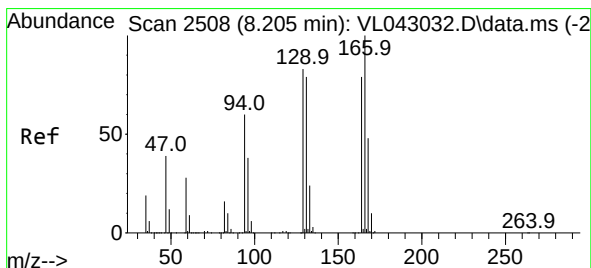
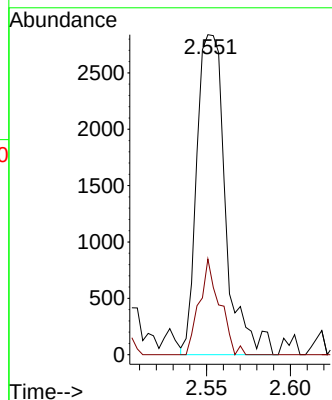
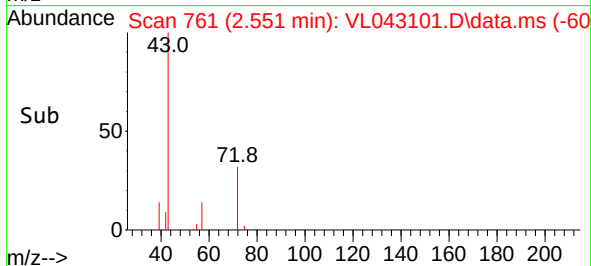
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6

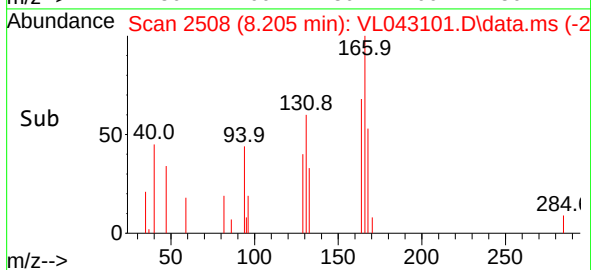
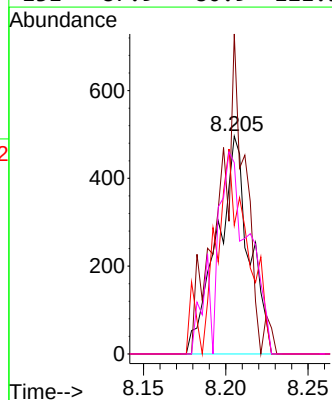
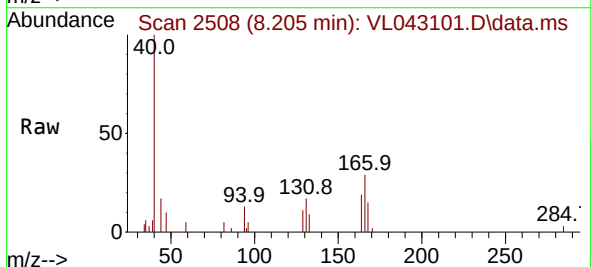
Manual Integrations
APPROVED

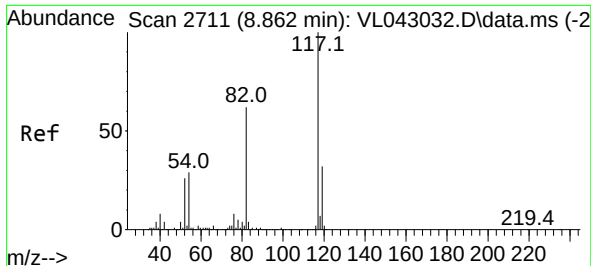
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

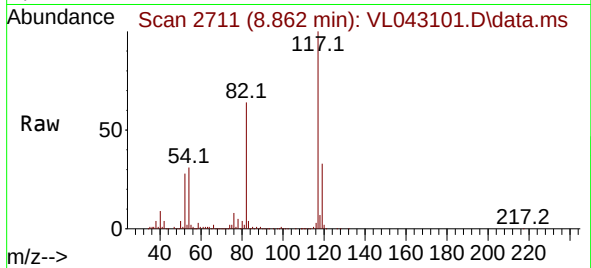
Tgt Ion:164 Resp: 670
Ion Ratio Lower Upper
164 100
166 147.0 101.8 152.8
129 59.1 84.5 126.7#
131 87.9 80.9 121.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58

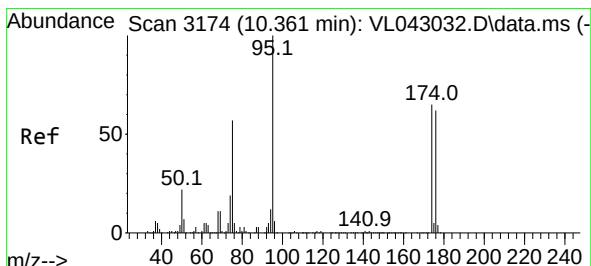
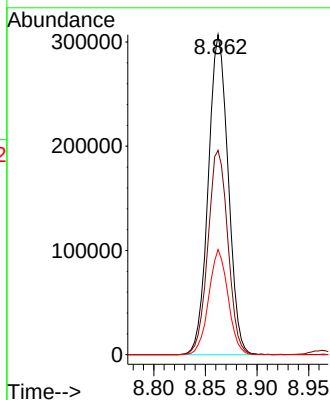
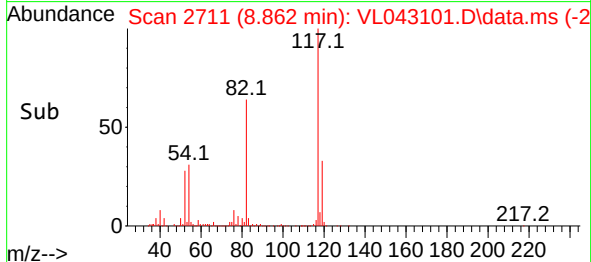
Instrument :
MSVOA_L
ClientSampleId :
SV4DL



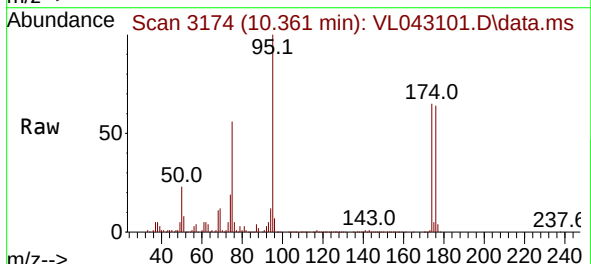
Tgt Ion: 117 Resp: 411008
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.0 25.4 38.2

Manual Integrations
APPROVED

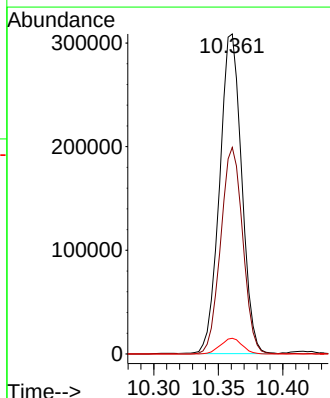
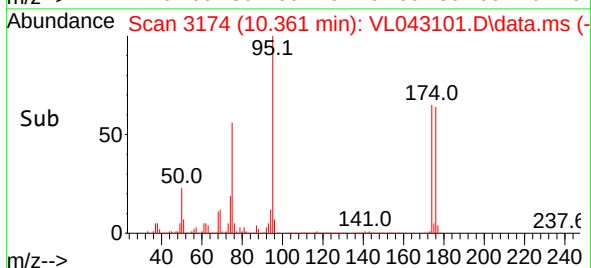
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 12.365 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043101.D
Acq: 09 Oct 2025 22:58



Tgt Ion: 95 Resp: 366115
Ion Ratio Lower Upper
95 100
174 64.8 52.3 78.5
175 4.9 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA5	SDG No.:	Q3320
Lab Sample ID:	Q3320-09	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043072.D	1		10/08/25 23:16	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.50	2.47		0.54	2.47
74-87-3	Chloromethane	0.49	1.01	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.24	1.35	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	10.1	24.0		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.67	2.33		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.36	1.06	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.080	0.50		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.32	1.56	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.30	1.13	J	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA5	SDG No.:	Q3320
Lab Sample ID:	Q3320-09	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043072.D	1		10/08/25 23:16	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.050	0.34		0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.43	1.52	J	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135	103% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	167000		2.784		
540-36-3	1,4-Difluorobenzene	430000		3.952		
3114-55-4	Chlorobenzene-d5	343000		8.875		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA5	SDG No.:	Q3320
Lab Sample ID:	Q3320-09	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043072.D	1		10/08/25 23:16	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043072.D
 Acq On : 08 Oct 2025 23:16
 Operator : SY/MD
 Sample : Q3320-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:25:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	166750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	430435	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.875	117	343430	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	255772	10.338	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	14120	0.502	ppbv	100
3) Chlorodifluoromethane	1.476	51	8082m	0.297	ppbv	
4) Chloromethane	1.531	50	5069	0.494	ppbv	97
9) Propene	1.486	41	8889	0.811	ppbv	84
11) Trichlorofluoromethane	1.874	101	6846	0.237	ppbv	100
13) Ethanol	1.719	45	84535	211.533	ppbv	89
15) Acetone	1.832	43	236631	10.135	ppbv	100
19) Isopropyl Alcohol	1.884	45	735856	65.781	ppbv #	27
20) Methylene Chloride	2.059	84	6793	0.667	ppbv	95
26) Hexane	2.823	57	9729	0.432	ppbv #	39
29) Chloroform	2.845	83	12444	0.324	ppbv	97
34) 2-Butanone	2.557	43	10611	0.363	ppbv	93
35) Carbon Tetrachloride	3.758	117	2739m	0.077	ppbv	
52) Tetrachloroethene	8.212	164	756m	0.050	ppbv	
53) Toluene	6.923	91	12387m	0.298	ppbv	
59) m/p-Xylene	9.529	91	8847m	0.197	ppbv	

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

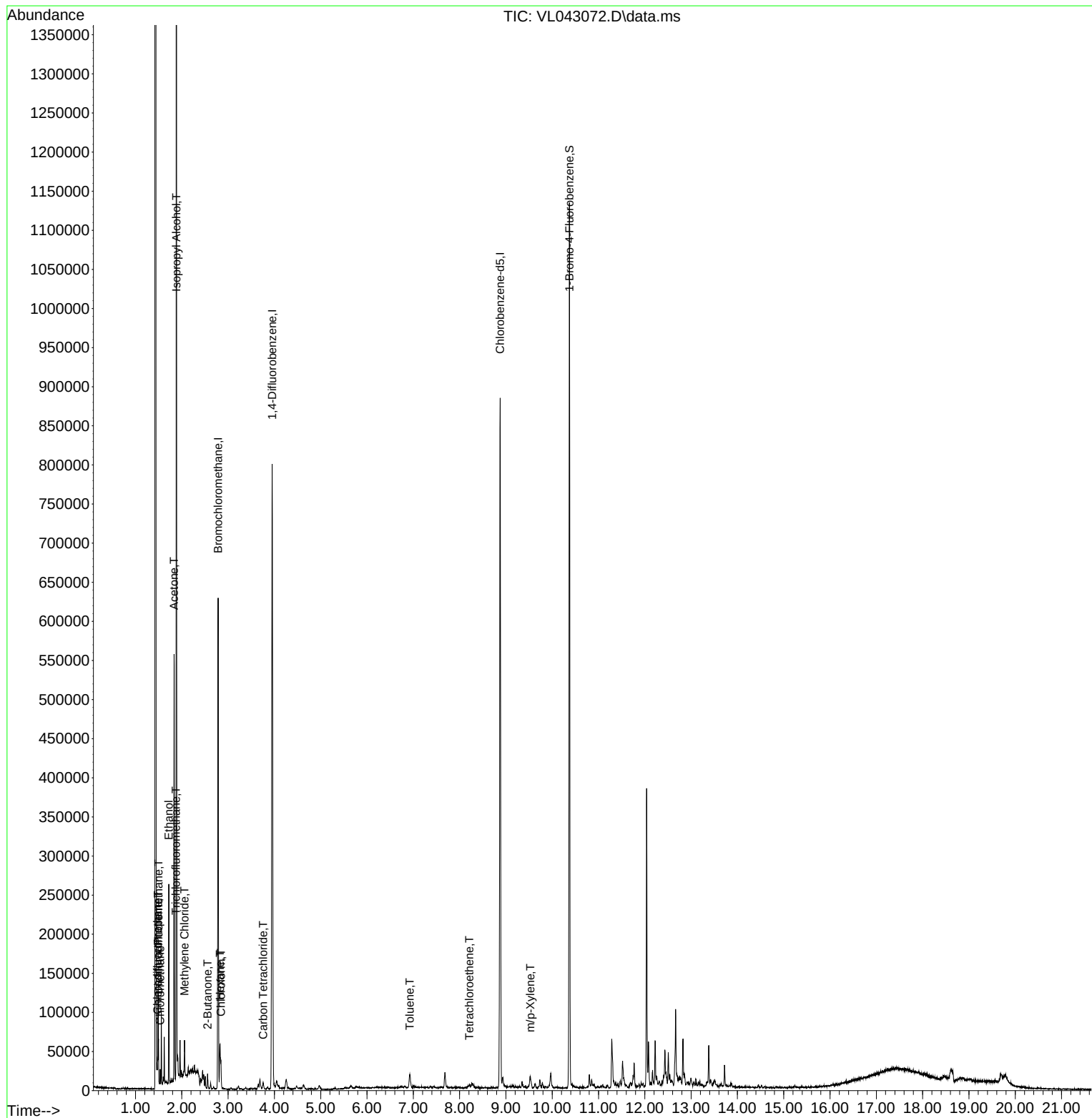
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Data File : VL043072.D
Acq On : 08 Oct 2025 23:16
Operator : SY/MD
Sample : Q3320-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

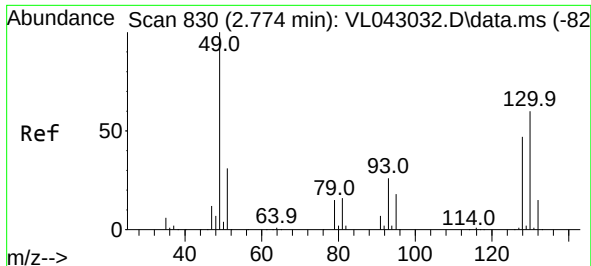
Instrument :
MSVOA_L
ClientSampleId :
IA5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

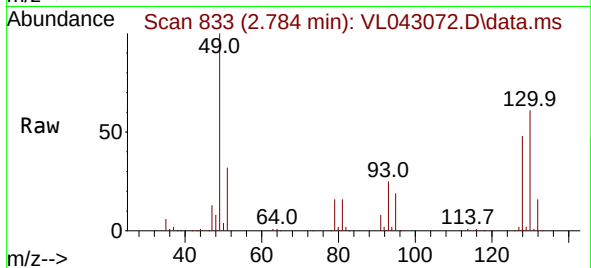
Quant Time: Oct 09 01:25:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

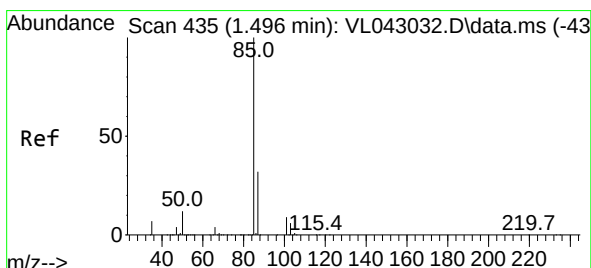
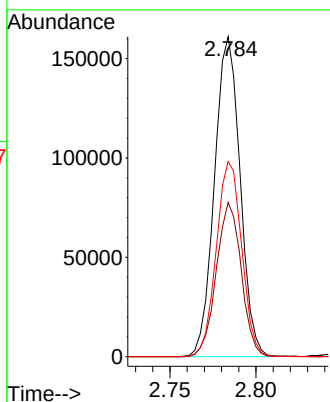
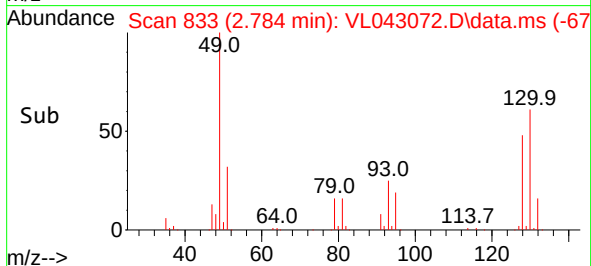
Instrument :
MSVOA_L
ClientSampleId :
IA5



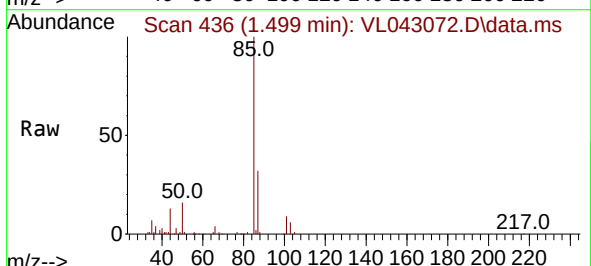
Tgt Ion: 49 Resp: 166750
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.2
130 60.5 31.4 94.3

Manual Integrations
APPROVED

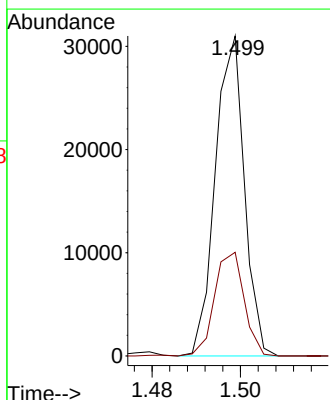
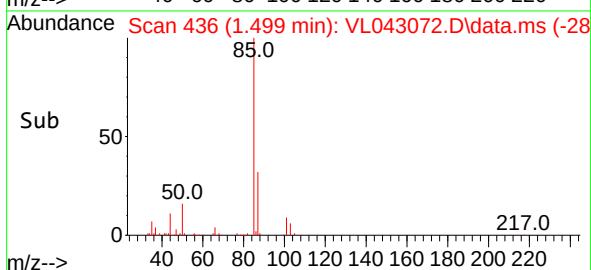
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

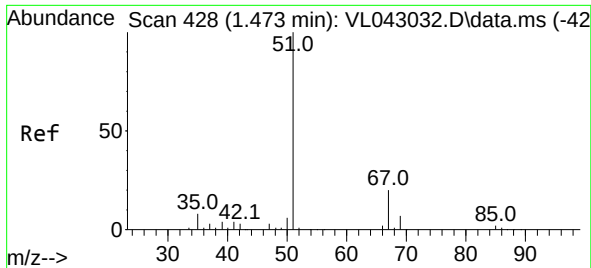


#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16



Tgt Ion: 85 Resp: 14120
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6





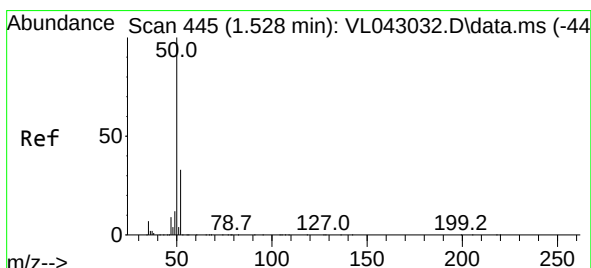
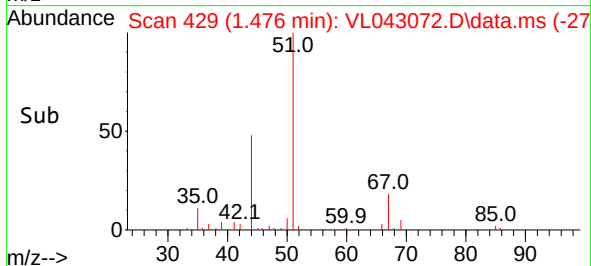
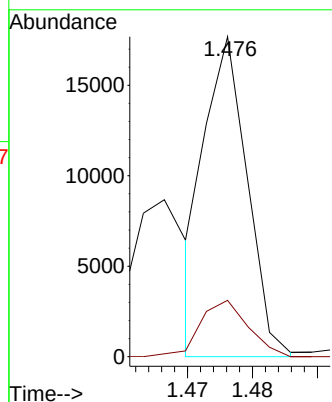
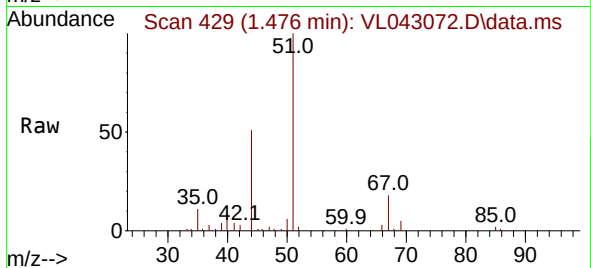
#3
Chlorodifluoromethane
Concen: 0.297 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Instrument :
MSVOA_L
ClientSampleId :
IA5

Tgt Ion: 51 Resp: 808
Ion Ratio Lower Upper
51 100
67 1.1 15.1 22.7

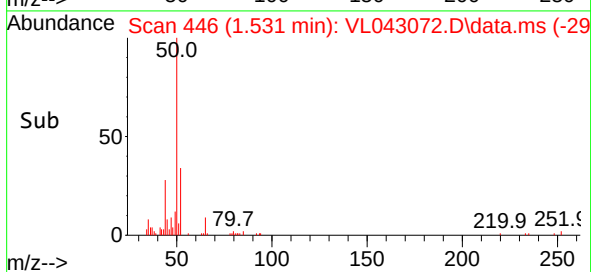
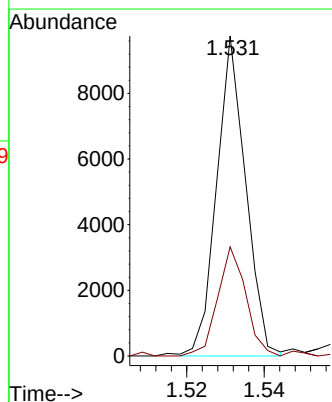
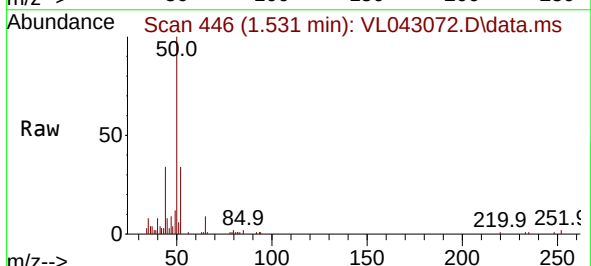
Manual Integrations
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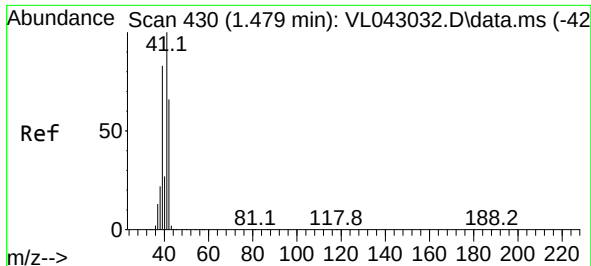
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 0.494 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Tgt Ion: 50 Resp: 5069
Ion Ratio Lower Upper
50 100
52 34.3 26.2 39.2





#9

Propene

Concen: 0.811 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043072.D

Acq: 08 Oct 2025 23:16

Instrument :

MSVOA_L

ClientSampleId :

IA5

Tgt Ion: 41 Resp: 888

Ion Ratio Lower Upper

41 100

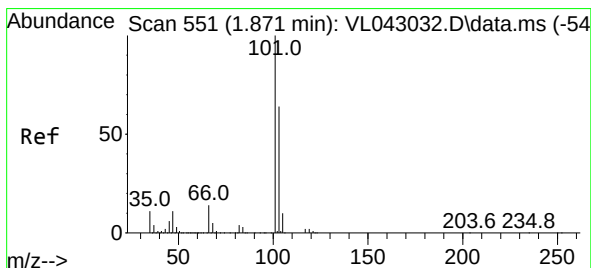
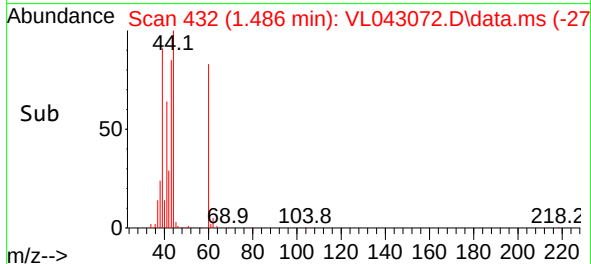
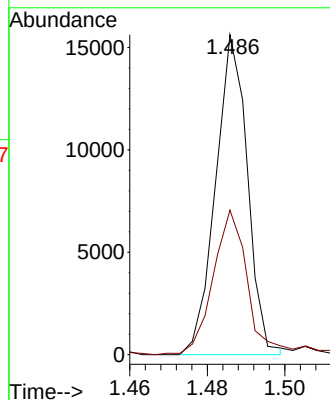
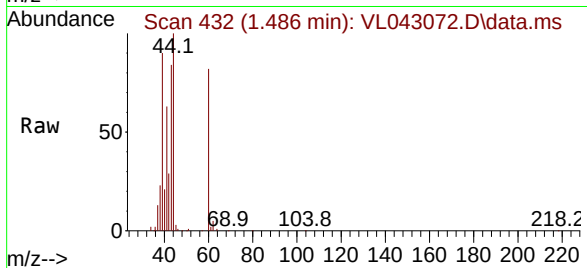
42 54.2 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#11

Trichlorofluoromethane

Concen: 0.237 ppbv

RT: 1.874 min Scan# 552

Delta R.T. 0.003 min

Lab File: VL043072.D

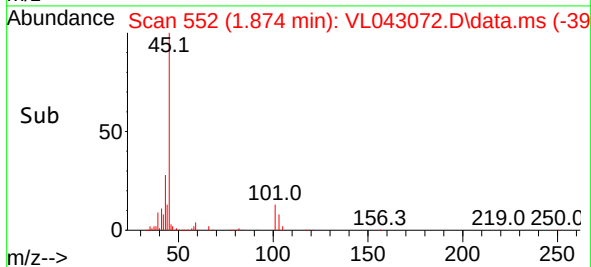
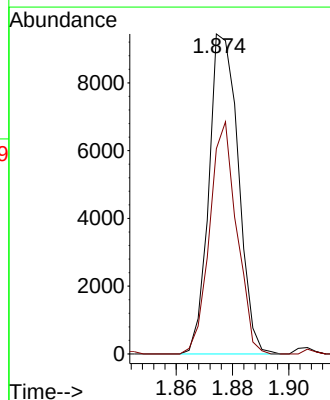
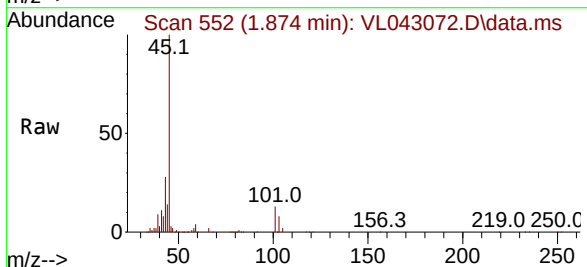
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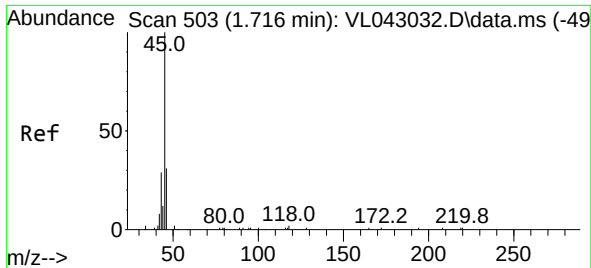
Tgt Ion:101 Resp: 6846

Ion Ratio Lower Upper

101 100

103 64.2 51.1 76.7





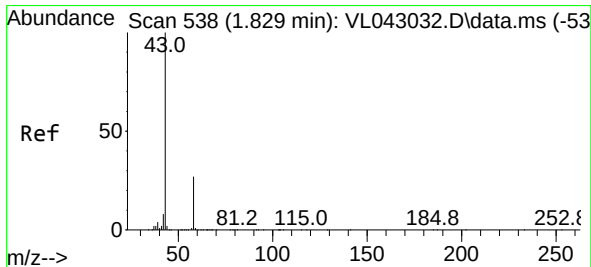
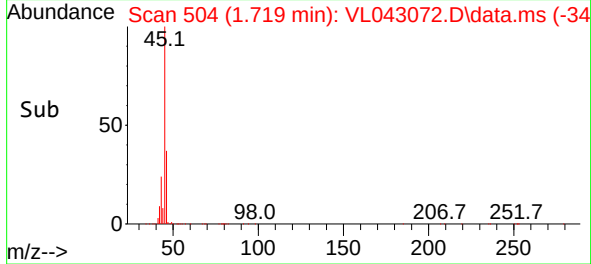
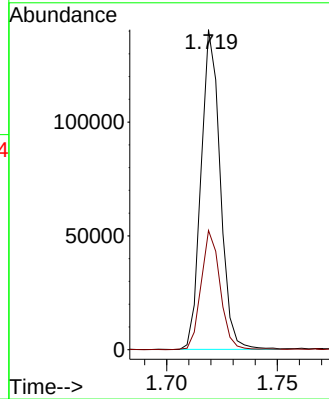
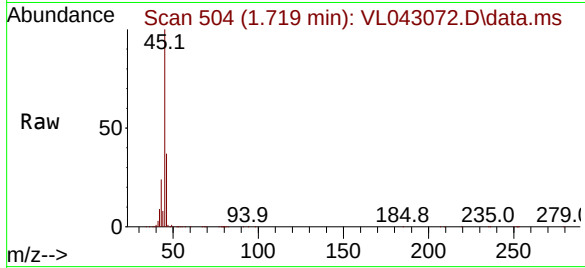
#13
Ethanol
Concen: 211.533 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Instrument :
MSVOA_L
ClientSampleId :
IA5

Tgt Ion: 45 Resp: 84538
Ion Ratio Lower Upper
45 100
46 37.7 17.8 71.4

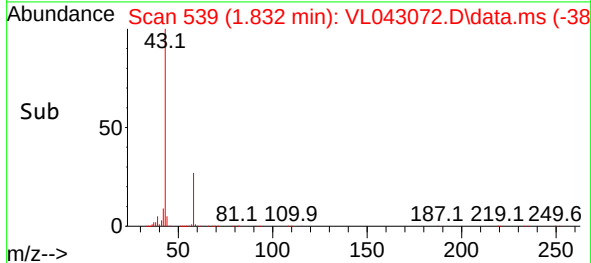
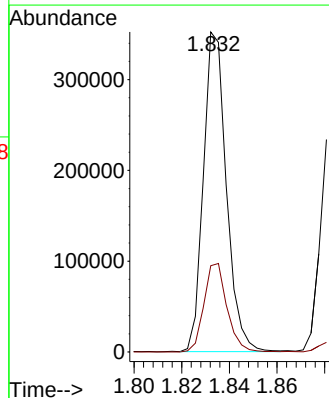
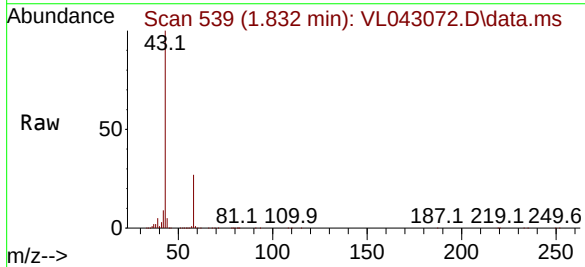
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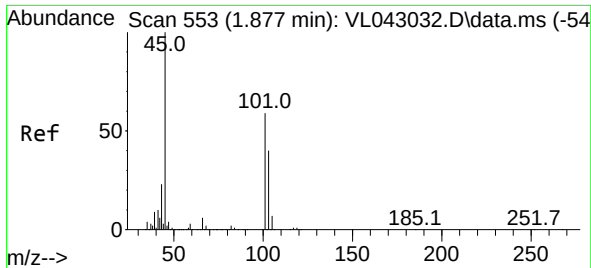
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#15
Acetone
Concen: 10.135 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Tgt Ion: 43 Resp: 236631
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.4





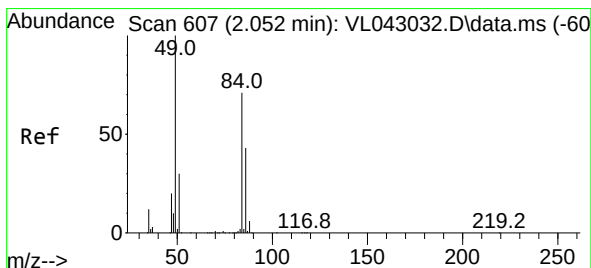
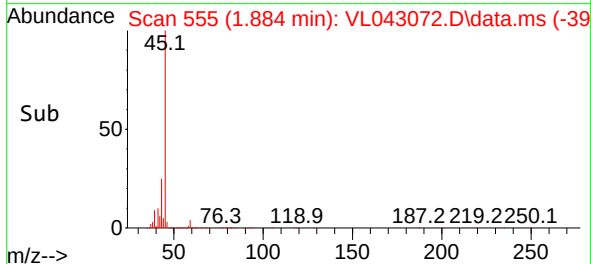
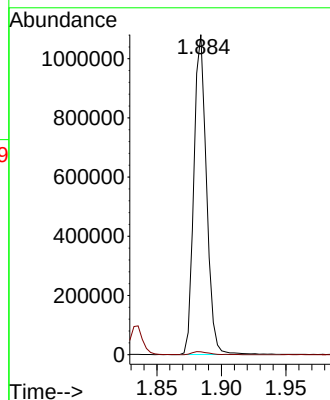
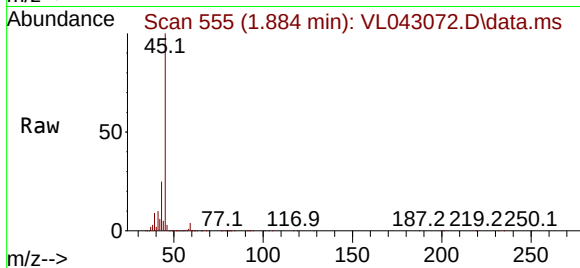
#19
Isopropyl Alcohol
Concen: 65.781 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Instrument :
MSVOA_L
ClientSampleId :
IA5

Tgt Ion: 45 Resp: 735850
Ion Ratio Lower Upper
45 100
58 1.3 42.3 63.5

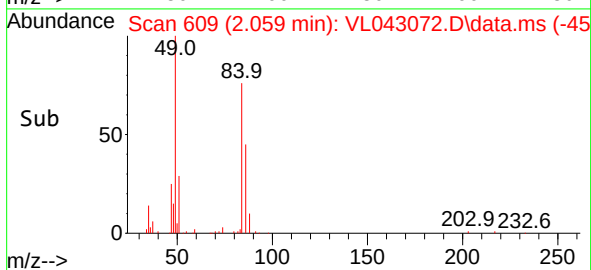
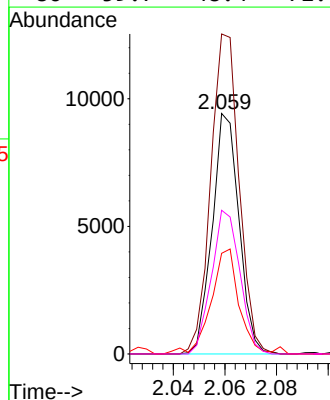
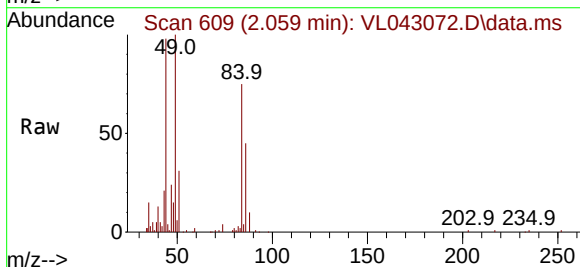
Manual Integrations
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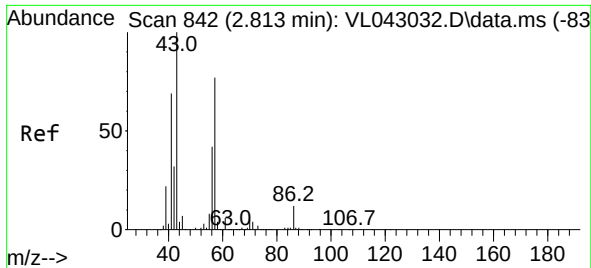
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.667 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.006 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

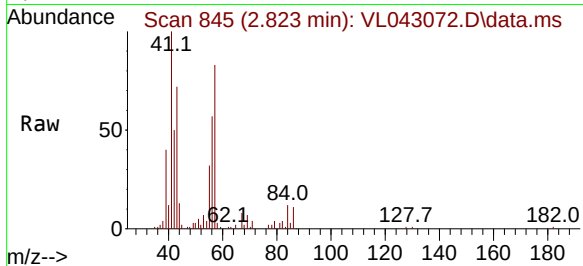
Tgt Ion: 84 Resp: 6793
Ion Ratio Lower Upper
84 100
49 133.1 112.5 168.7
51 39.4 34.2 51.2
86 59.7 48.4 72.6





#26
Hexane
Concen: 0.432 ppbv
RT: 2.823 min Scan# 842
Delta R.T. 0.010 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

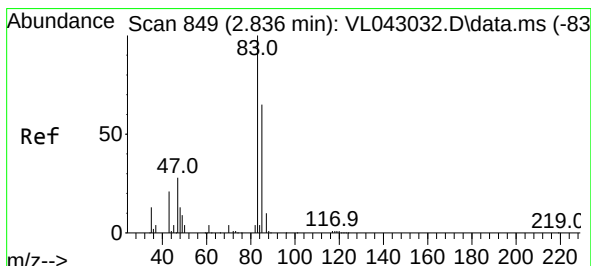
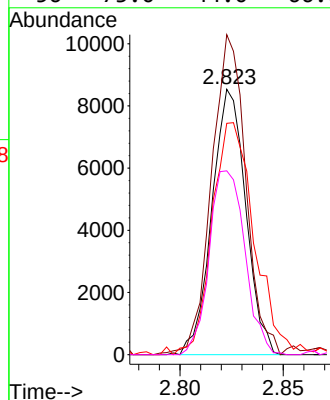
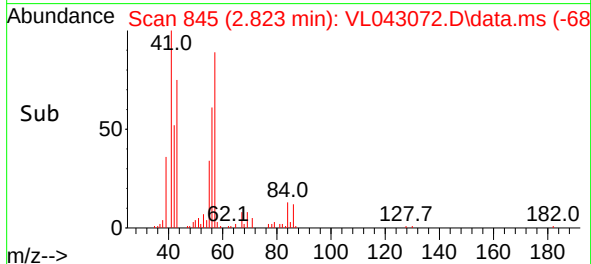
Instrument :
MSVOA_L
ClientSampleId :
IA5



Tgt Ion: 57 Resp: 9729
Ion Ratio Lower Upper
57 100
41 125.6 76.1 114.1
43 110.2 201.4 302.0
56 73.0 44.0 66.0

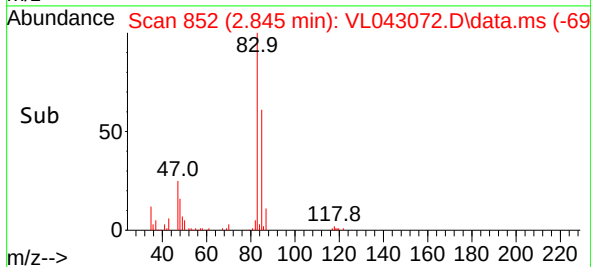
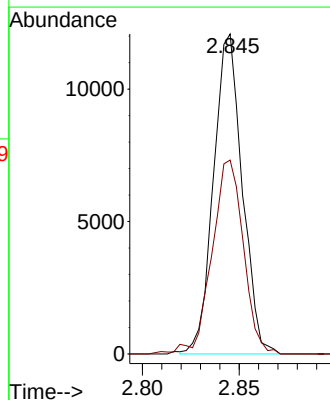
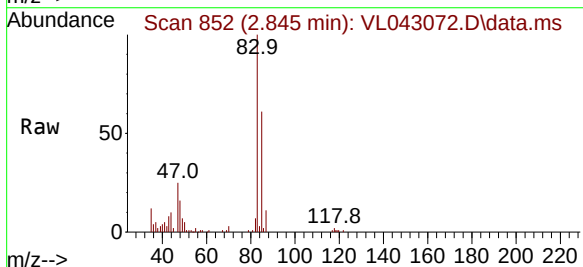
Manual Integrations
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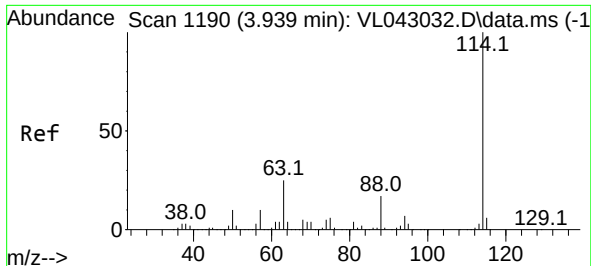
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#29
Chloroform
Concen: 0.324 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.010 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Tgt Ion: 83 Resp: 12444
Ion Ratio Lower Upper
83 100
85 62.3 52.0 78.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.013 min

Lab File: VL043072.D

Acq: 08 Oct 2025 23:16

Instrument :

MSVOA_L

ClientSampleId :

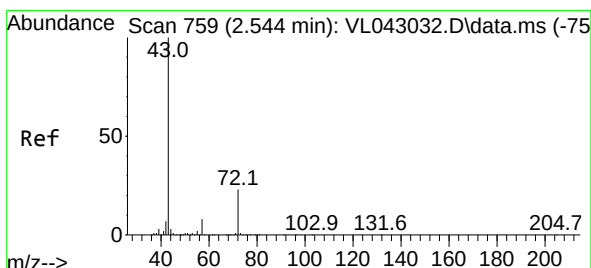
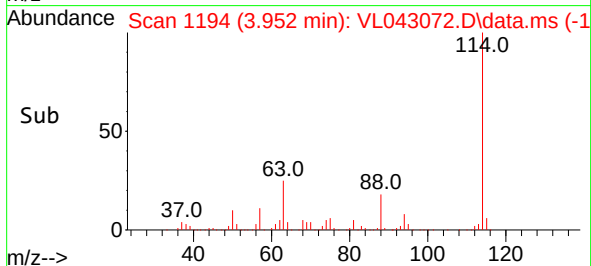
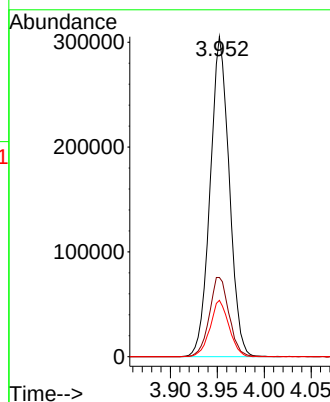
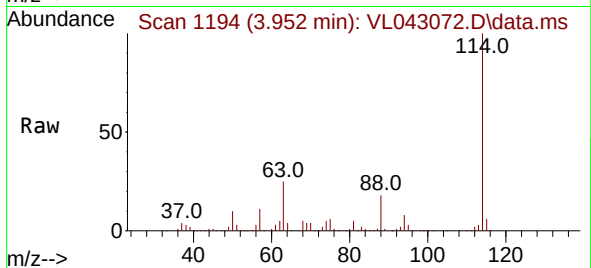
IA5

Tgt Ion:114 Resp: 430435
 Ion Ratio Lower Upper
 114 100
 63 25.7 19.4 29.2
 88 17.4 13.9 20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.363 ppbv

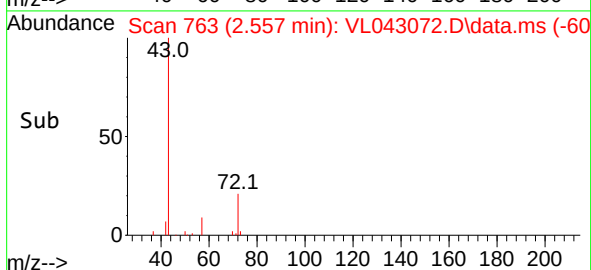
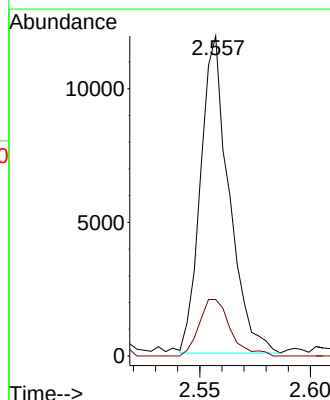
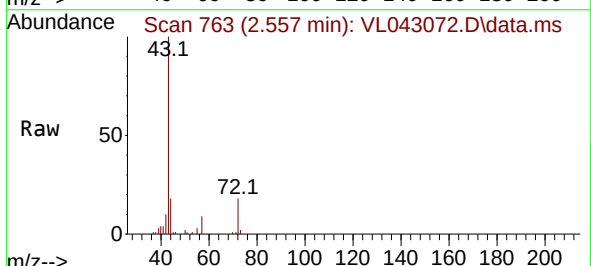
RT: 2.557 min Scan# 763

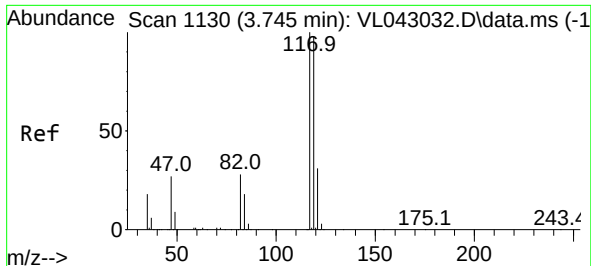
Delta R.T. 0.013 min

Lab File: VL043072.D

Acq: 08 Oct 2025 23:16

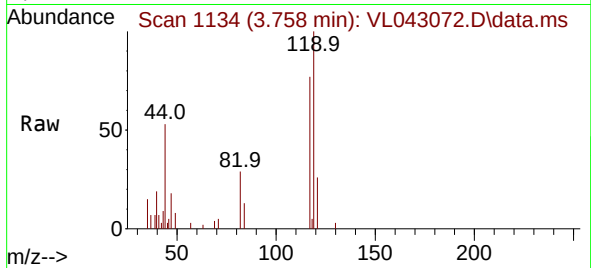
Tgt Ion: 43 Resp: 10611
 Ion Ratio Lower Upper
 43 100
 72 19.5 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. 0.013 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

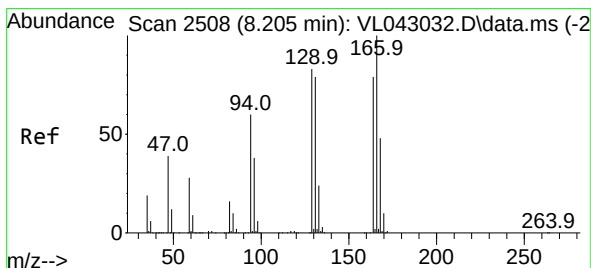
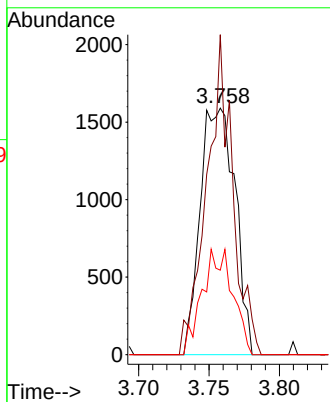
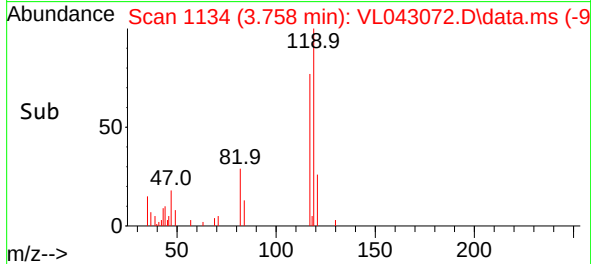
Instrument : MSVOA_L
ClientSampleId : IA5



Tgt Ion:117 Resp: 2739
Ion Ratio Lower Upper
117 100
119 129.8 78.2 117.4#
121 34.3 24.8 37.2

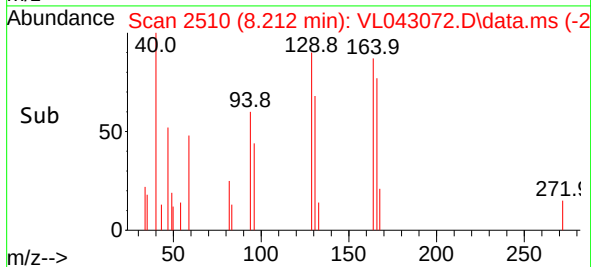
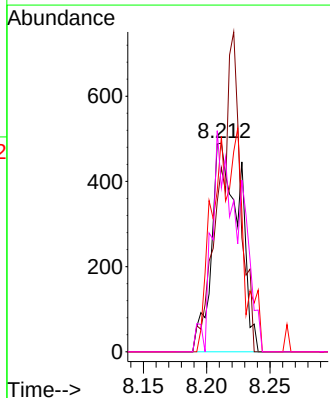
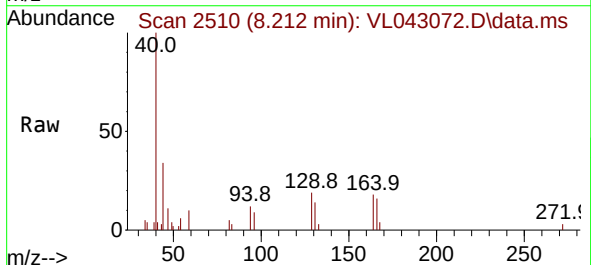
Manual Integrations
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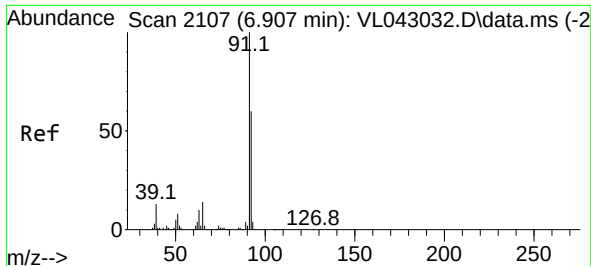
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
Tetrachloroethene
Concen: 0.050 ppbv m
RT: 8.212 min Scan# 2510
Delta R.T. 0.007 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

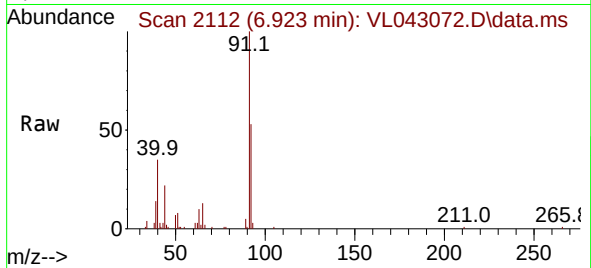
Tgt Ion:164 Resp: 756
Ion Ratio Lower Upper
164 100
166 88.2 101.8 152.8#
129 103.3 84.5 126.7
131 78.6 80.9 121.3#





#53
Toluene
Concen: 0.298 ppbv m
RT: 6.923 min Scan# 2107
Delta R.T. 0.016 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

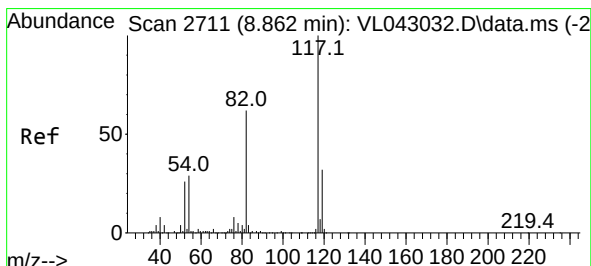
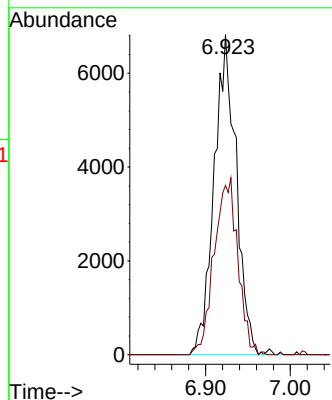
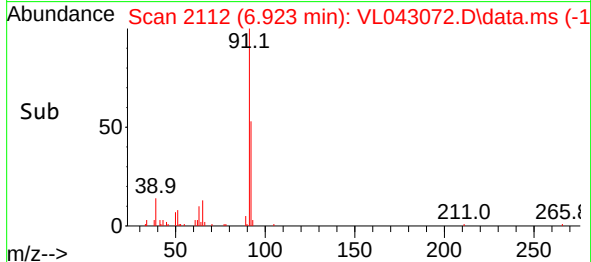
Instrument :
MSVOA_L
ClientSampleId :
IA5



Tgt Ion: 91 Resp: 1238
Ion Ratio Lower Upper
91 100
92 58.9 47.8 71.6

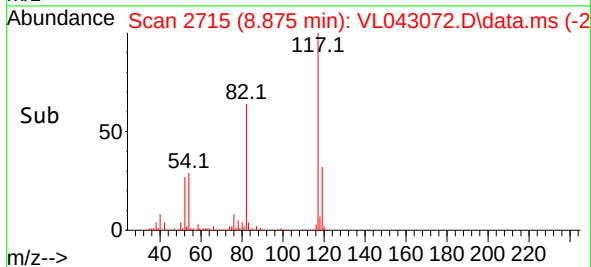
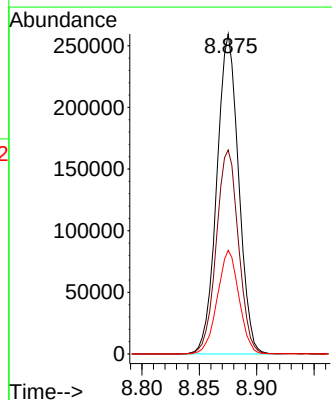
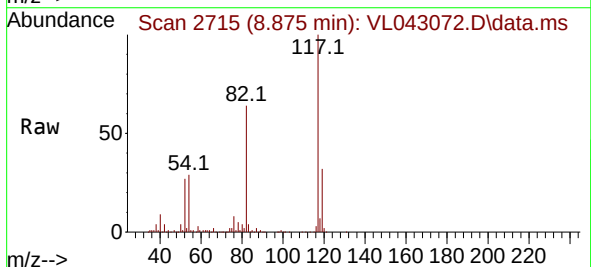
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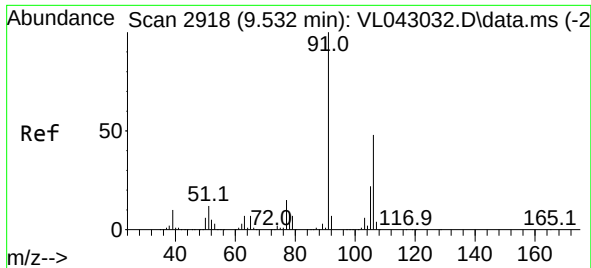
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.013 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Tgt Ion:117 Resp: 343430
Ion Ratio Lower Upper
117 100
82 64.9 53.0 79.6
119 32.4 25.4 38.2





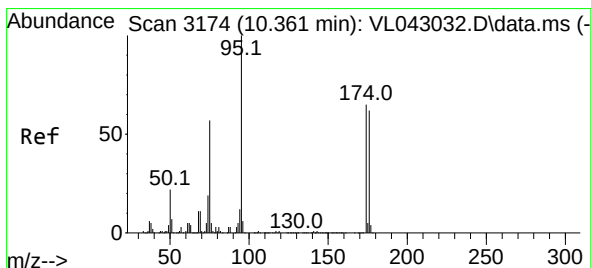
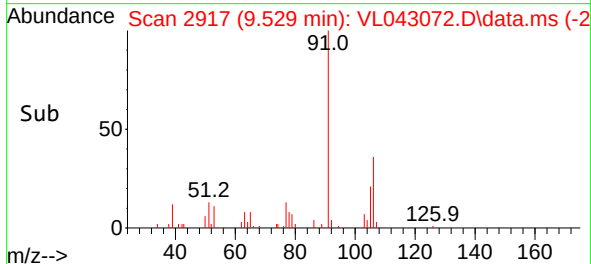
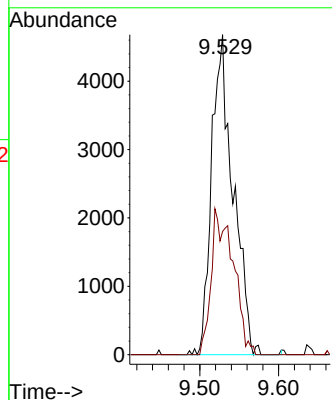
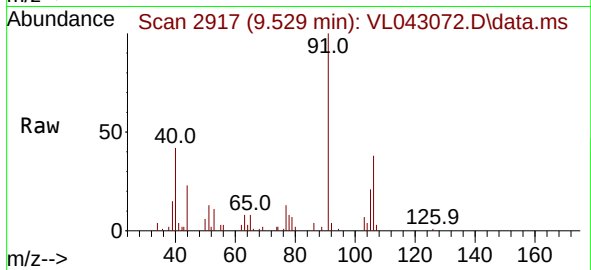
#59
m/p-Xylene
Concen: 0.197 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.003 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Instrument :
MSVOA_L
ClientSampleId :
IA5

Tgt Ion: 91 Resp: 884
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3

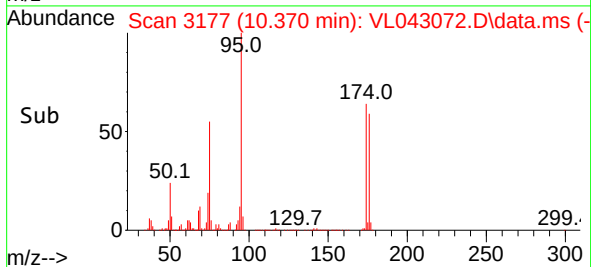
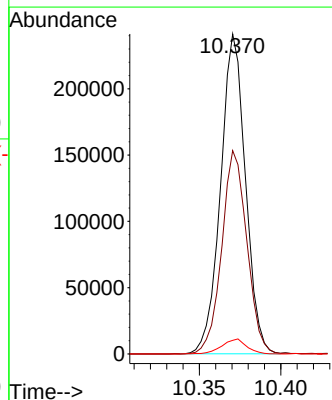
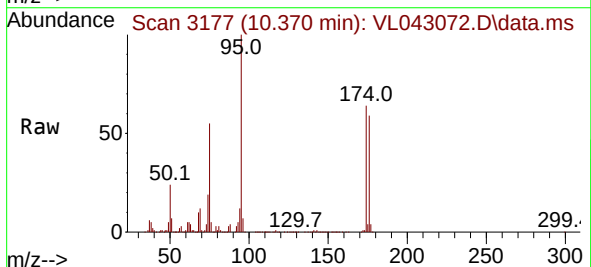
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.338 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL043072.D
Acq: 08 Oct 2025 23:16

Tgt Ion: 95 Resp: 255772
Ion Ratio Lower Upper
95 100
174 64.9 52.3 78.5
175 4.7 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV5	SDG No.:	Q3320
Lab Sample ID:	Q3320-10	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043096.D	8		10/09/25 20:04	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	4.35	U	4.35	19.8
74-87-3	Chloromethane	0.78	1.61	U	1.61	8.26
75-01-4	Vinyl Chloride	0.20	0.51	U	0.51	0.61
74-83-9	Bromomethane	0.62	2.41	U	2.41	15.5
75-00-3	Chloroethane	1.20	3.17	U	3.17	10.6
109-99-9	Tetrahydrofuran	0.64	1.89	U	1.89	11.8
75-69-4	Trichlorofluoromethane	1.40	7.87	U	7.87	22.5
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	8.43	U	8.43	30.7
76-14-2	Dichlorotetrafluoroethane	1.20	8.39	U	8.39	28.0
75-65-0	tert-Butyl alcohol	1.70	5.15	J	3.94	12.1
142-82-5	Heptane	1.40	5.74	U	5.74	16.4
75-35-4	1,1-Dichloroethene	1.20	4.76	U	4.76	15.9
67-64-1	Acetone	73.1	174		3.33	9.50
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	12.5
1634-04-4	Methyl tert-Butyl Ether	1.80	6.49	U	6.49	14.4
75-09-2	Methylene Chloride	2.10	7.30	J	6.25	13.9
156-60-5	trans-1,2-Dichloroethene	0.96	3.81	U	3.81	15.9
75-34-3	1,1-Dichloroethane	1.00	4.05	U	4.05	16.2
110-82-7	Cyclohexane	1.80	6.20	U	6.20	13.8
78-93-3	2-Butanone	0.85	2.51	J	1.33	11.8
56-23-5	Carbon Tetrachloride	0.20	1.26	U	1.26	1.51
156-59-2	cis-1,2-Dichloroethene	0.79	3.13	U	3.13	15.9
67-66-3	Chloroform	0.77	3.76	U	3.76	19.5
71-55-6	1,1,1-Trichloroethane	0.13	0.71	U	0.71	1.31
540-84-1	2,2,4-Trimethylpentane	1.10	5.14	U	5.14	18.7
71-43-2	Benzene	0.63	2.01	U	2.01	12.8
107-06-2	1,2-Dichloroethane	0.74	3.00	U	3.00	16.2
79-01-6	Trichloroethene	1.00	5.37		1.02	1.29
78-87-5	1,2-Dichloropropane	1.00	4.62	U	4.62	18.5
75-27-4	Bromodichloromethane	0.50	3.35	U	3.35	26.8
108-10-1	4-Methyl-2-Pentanone	0.78	3.20	U	3.20	16.4
108-88-3	Toluene	2.30	8.67	J	4.90	15.1
10061-02-6	t-1,3-Dichloropropene	1.20	5.45	U	5.45	18.2
10061-01-5	cis-1,3-Dichloropropene	0.88	4.00	U	4.00	18.2
79-00-5	1,1,2-Trichloroethane	0.65	3.55	U	3.55	21.8

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV5	SDG No.:	Q3320
Lab Sample ID:	Q3320-10	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043096.D	8		10/09/25 20:04	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.68	5.79	U	5.79	34.1
106-93-4	1,2-Dibromoethane	0.68	5.23	U	5.23	6.15
127-18-4	Tetrachloroethene	6.20	42.0		0.81	1.63
108-90-7	Chlorobenzene	0.62	2.86	U	2.86	18.4
100-41-4	Ethyl Benzene	1.50	6.52	U	6.52	17.4
179601-23-1	m/p-Xylene	3.30	14.3	U	14.3	34.8
95-47-6	o-Xylene	1.70	7.38	U	7.38	17.4
100-42-5	Styrene	1.30	5.53	U	5.53	17.0
75-25-2	Bromoform	0.38	3.93	U	3.93	41.4
79-34-5	1,1,2,2-Tetrachloroethane	0.14	0.96	U	0.96	1.65
95-49-8	2-Chlorotoluene	1.40	7.25	U	7.25	20.7
108-67-8	1,3,5-Trimethylbenzene	1.40	6.88	U	6.88	19.7
95-63-6	1,2,4-Trimethylbenzene	1.40	6.88	U	6.88	19.7
541-73-1	1,3-Dichlorobenzene	0.43	2.59	U	2.59	24.1
106-46-7	1,4-Dichlorobenzene	1.00	6.01	U	6.01	24.1
95-50-1	1,2-Dichlorobenzene	1.00	6.01	U	6.01	24.1
120-82-1	1,2,4-Trichlorobenzene	1.70	12.6	U	12.6	29.7
87-68-3	Hexachloro-1,3-Butadiene	1.00	10.7	U	10.7	42.7
106-99-0	1,3-Butadiene	0.41	0.91	U	0.91	8.85
91-20-3	Naphthalene	0.10	0.52	U	0.52	4.19
622-96-8	4-Ethyltoluene	1.70	8.36	U	8.36	19.7
110-54-3	Hexane	8.00	28.2		4.58	14.1
107-05-1	Allyl Chloride	0.88	2.75	U	2.75	12.5
123-91-1	1,4-Dioxane	1.80	6.49	U	6.49	14.4
80-62-6	Methyl Methacrylate	1.10	4.50	U	4.50	16.4
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.6			65 - 135	116% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	196000		2.777		
540-36-3	1,4-Difluorobenzene	526000		3.939		
3114-55-4	Chlorobenzene-d5	487000		8.862		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV5	SDG No.:	Q3320
Lab Sample ID:	Q3320-10	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043096.D	8		10/09/25 20:04	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043096.D
 Acq On : 09 Oct 2025 20:04
 Operator : SY/MD
 Sample : Q3320-10 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:20:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	196019	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	525980	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	487210	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	405687	11.559	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.600%
Target Compounds						
					Qvalue	
10) Heptane	4.952	43	4025m	0.127	ppbv	
13) Ethanol	1.716	45	19546	40.587	ppbv	99
15) Acetone	1.829	43	250875	9.141	ppbv	98
17) tert-Butyl alcohol	2.036	59	6310	0.217	ppbv #	79
19) Isopropyl Alcohol	1.881	45	44620	3.393	ppbv #	1
20) Methylene Chloride	2.055	84	3178	0.265	ppbv #	81
26) Hexane	2.816	57	26630	1.005	ppbv #	32
34) 2-Butanone	2.554	43	3769	0.106	ppbv	98
38) Trichloroethene	4.525	130	2684	0.128	ppbv	89
52) Tetrachloroethene	8.202	164	14338	0.771	ppbv	93
53) Toluene	6.910	91	14491	0.286	ppbv	100
59) m/p-Xylene	9.513	91	7279m	0.114	ppbv	

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

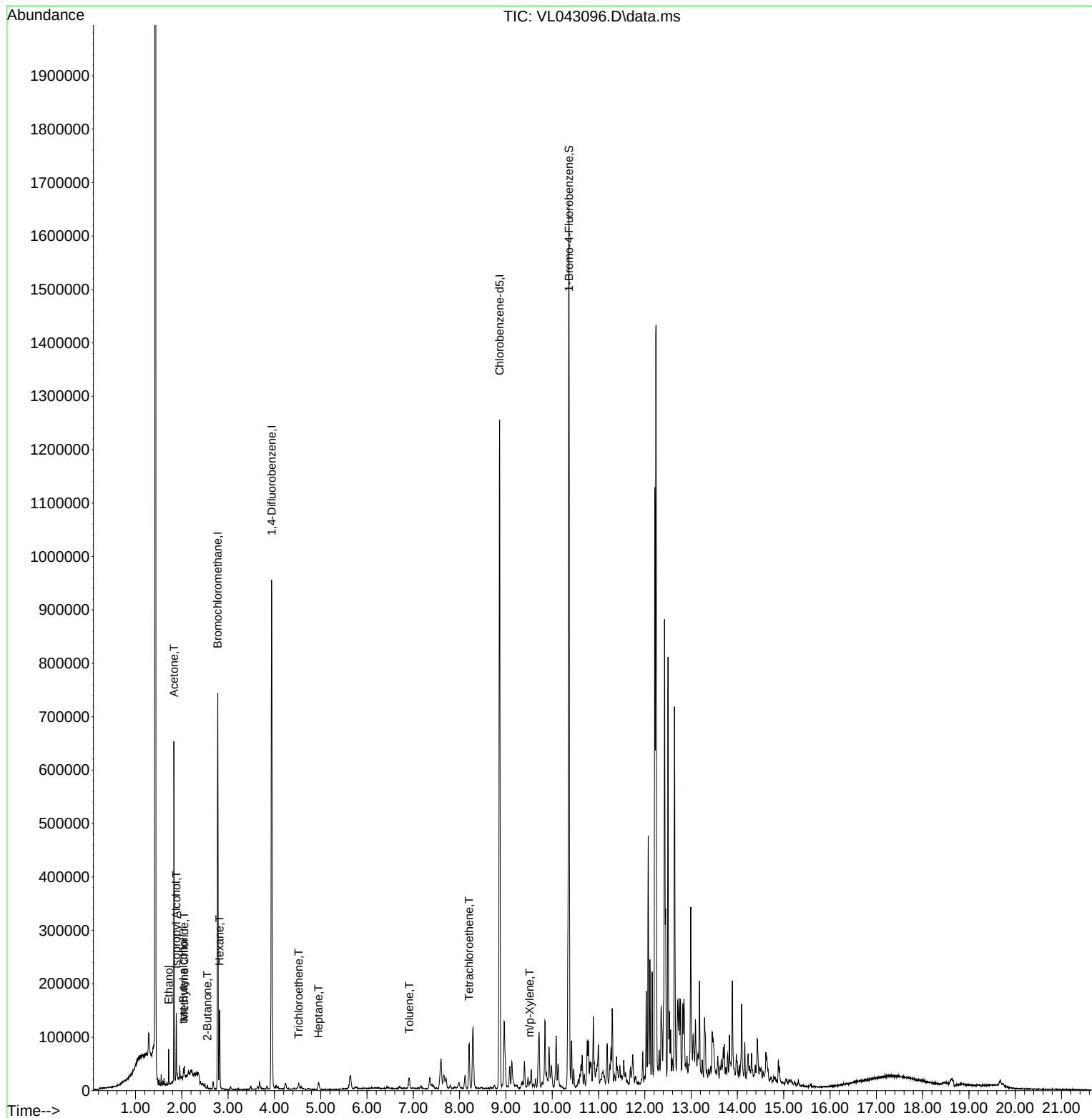
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043096.D
Acq On : 09 Oct 2025 20:04
Operator : SY/MD
Sample : Q3320-10 8X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

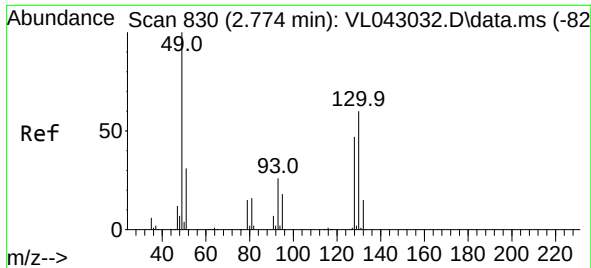
Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

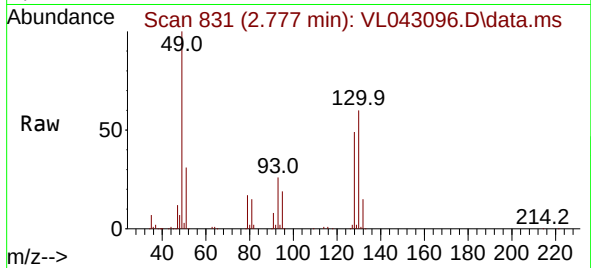
Quant Time: Oct 09 22:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

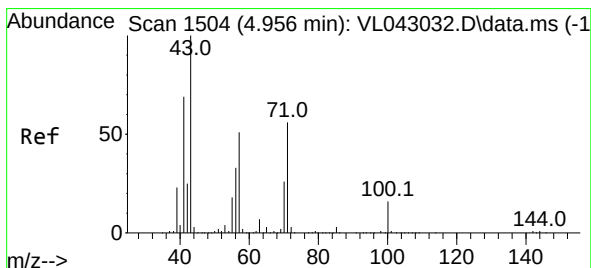
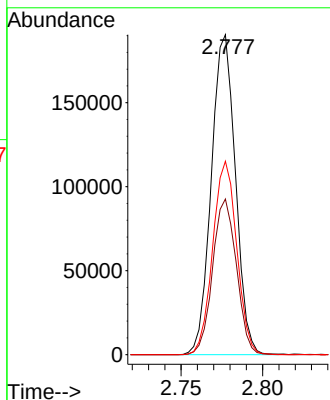
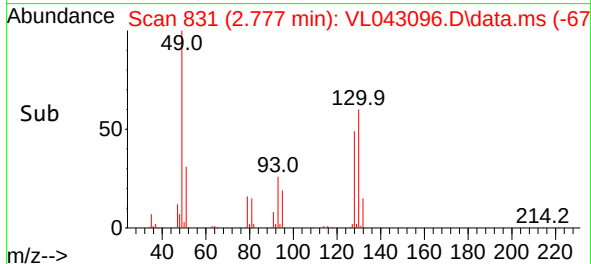
Instrument :
MSVOA_L
ClientSampleId :
SV5



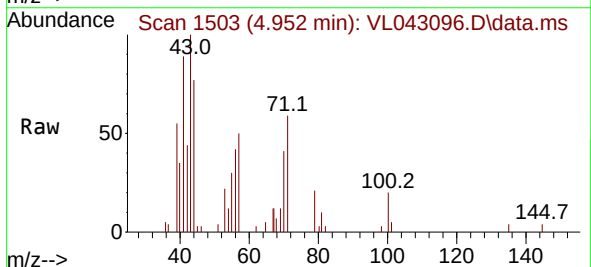
Tgt Ion: 49 Resp: 196019
Ion Ratio Lower Upper
49 100
128 48.0 24.1 72.2
130 60.2 31.4 94.3

Manual Integrations
APPROVED

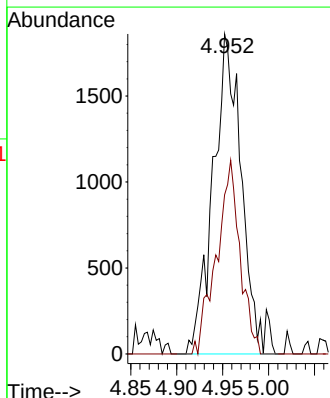
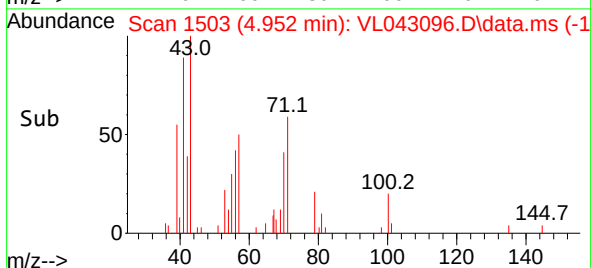
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

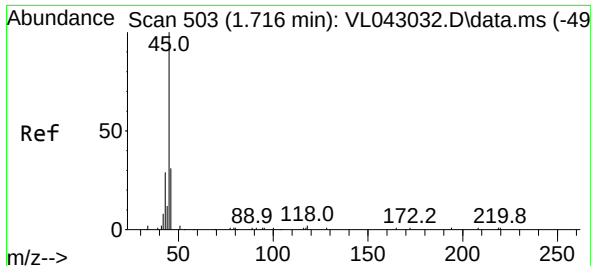


#10
Heptane
Concen: 0.127 ppbv m
RT: 4.952 min Scan# 1503
Delta R.T. -0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04



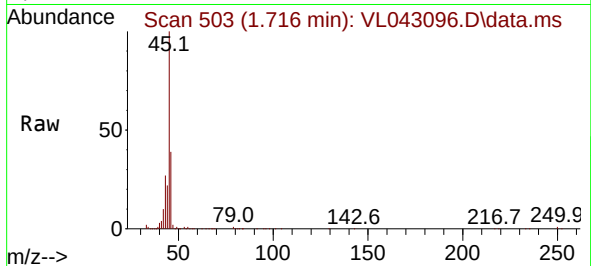
Tgt Ion: 43 Resp: 4025
Ion Ratio Lower Upper
43 100
57 49.8 40.3 60.5





#13
Ethanol
Concen: 40.587 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

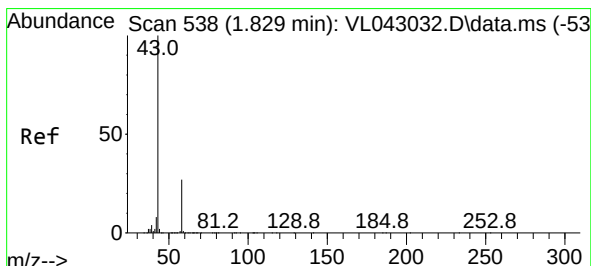
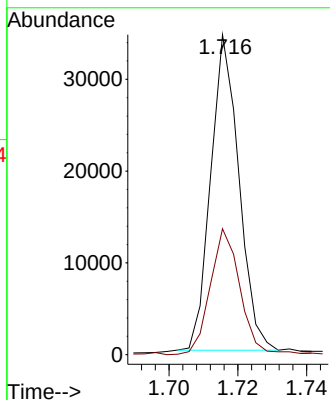
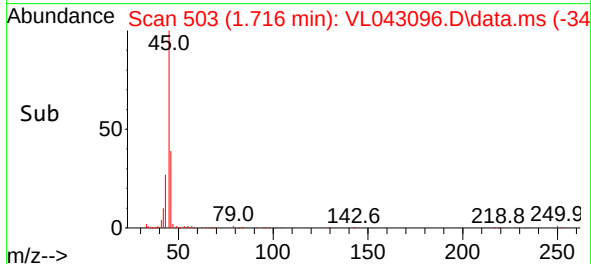
Instrument :
MSVOA_L
ClientSampleId :
SV5



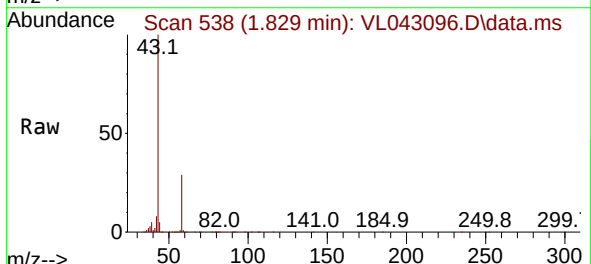
Tgt Ion: 45 Resp: 19540
Ion Ratio Lower Upper
45 100
46 44.1 17.8 71.4

Manual Integrations
APPROVED

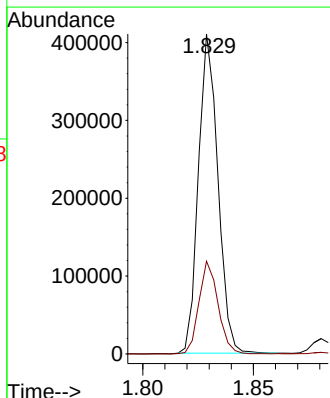
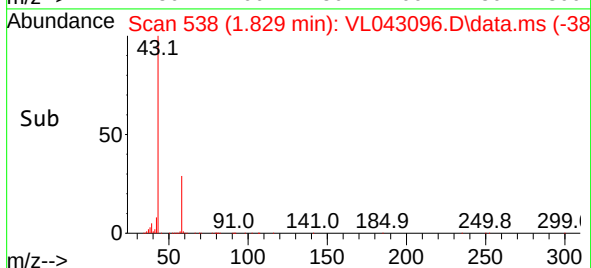
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

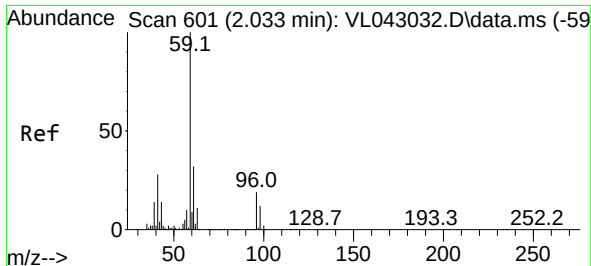


#15
Acetone
Concen: 9.141 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04



Tgt Ion: 43 Resp: 250875
Ion Ratio Lower Upper
43 100
58 28.6 22.2 33.4





#17

tert-Butyl alcohol

Concen: 0.217 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043096.D

Acq: 09 Oct 2025 20:04

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion: 59 Resp: 6310

Ion Ratio Lower Upper

59 100

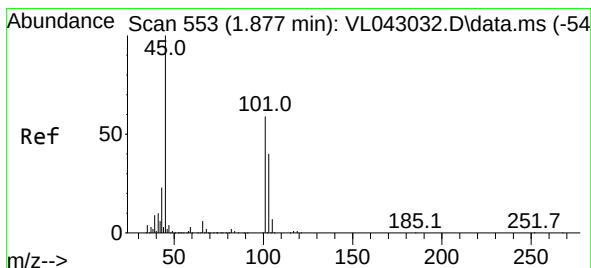
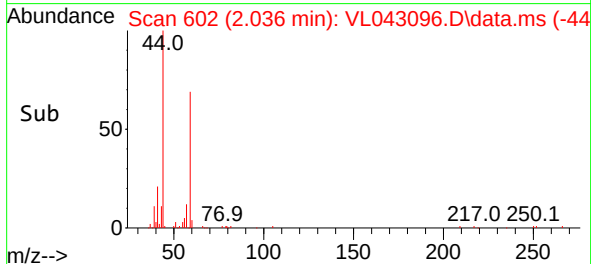
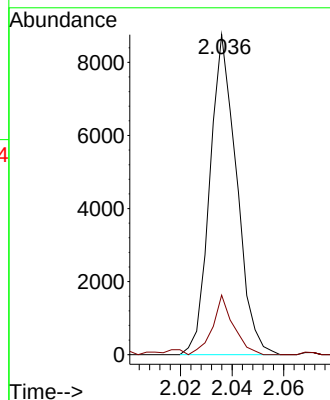
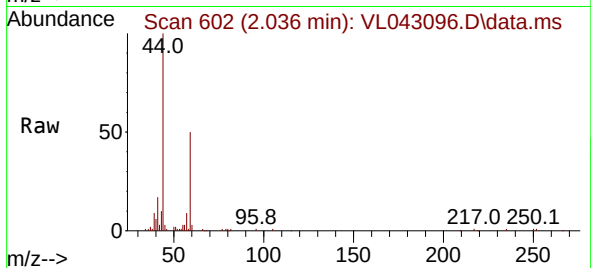
57 18.4 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#19

Isopropyl Alcohol

Concen: 3.393 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.003 min

Lab File: VL043096.D

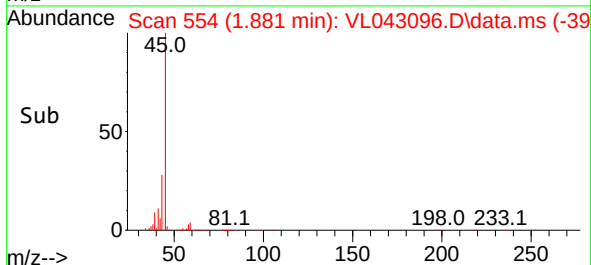
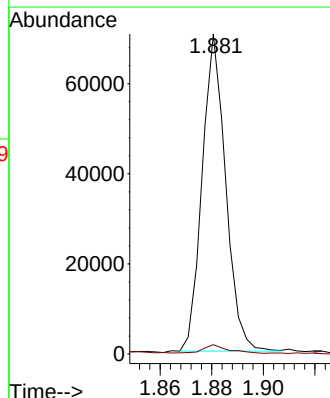
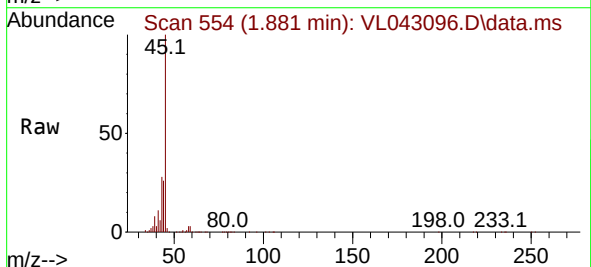
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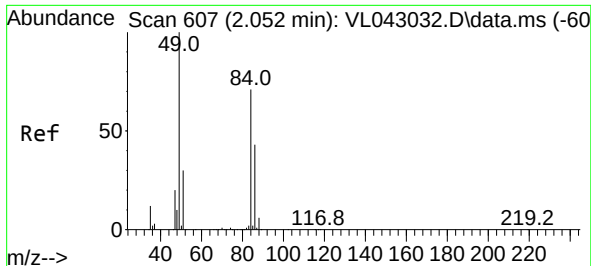
Tgt Ion: 45 Resp: 44620

Ion Ratio Lower Upper

45 100

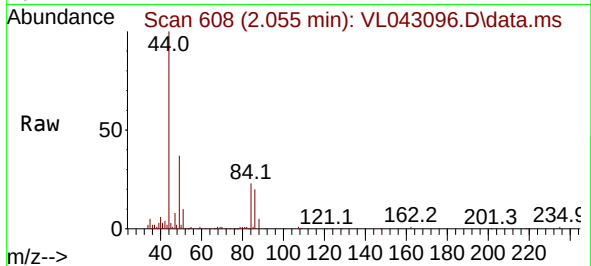
58 160.9 42.3 63.5





#20
Methylene Chloride
Concen: 0.265 ppbv
RT: 2.055 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

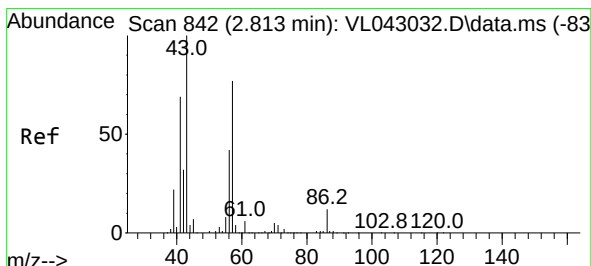
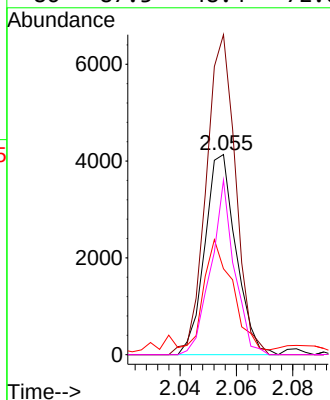
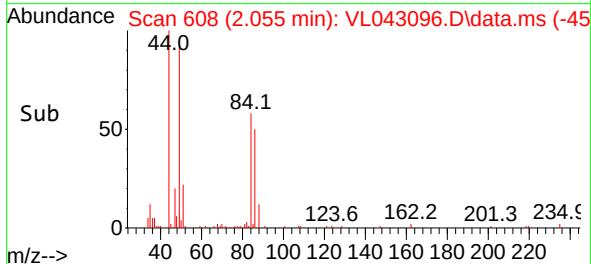
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 84 Resp: 3178
Ion Ratio Lower Upper
84 100
49 159.9 112.5 168.7
51 39.6 34.2 51.2
86 87.3 48.4 72.6#

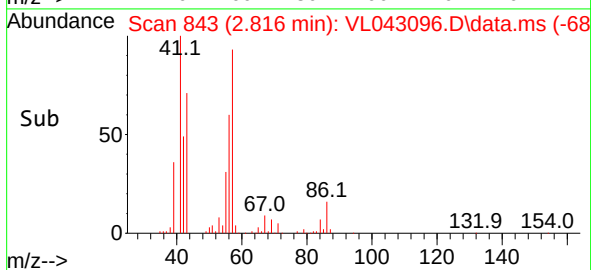
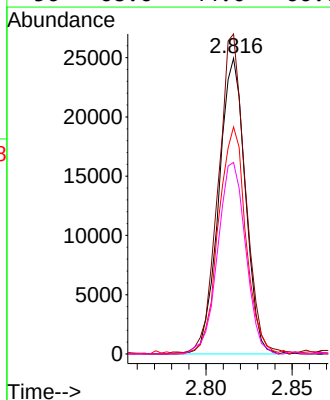
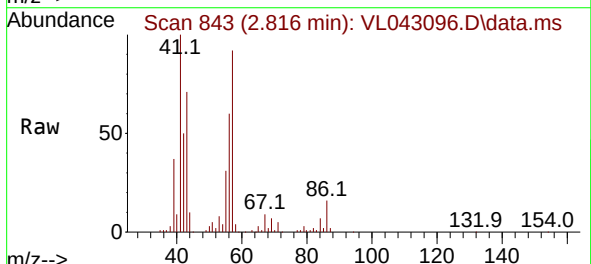
Manual Integrations
APPROVED

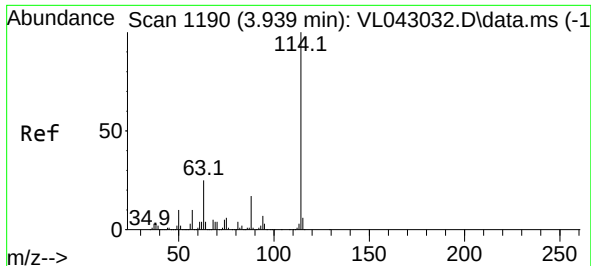
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 1.005 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 57 Resp: 26630
Ion Ratio Lower Upper
57 100
41 111.4 76.1 114.1
43 80.5 201.4 302.0#
56 68.6 44.0 66.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. -0.000 min

Lab File: VL043096.D

Acq: 09 Oct 2025 20:04

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion:114 Resp: 525980

Ion Ratio Lower Upper

114 100

63 25.4 19.4 29.2

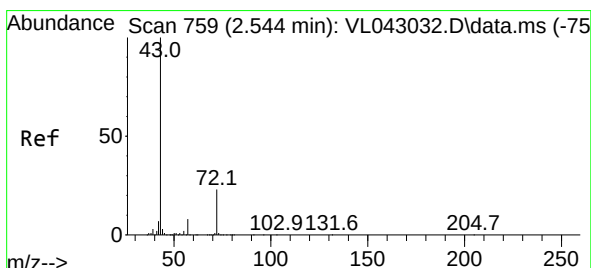
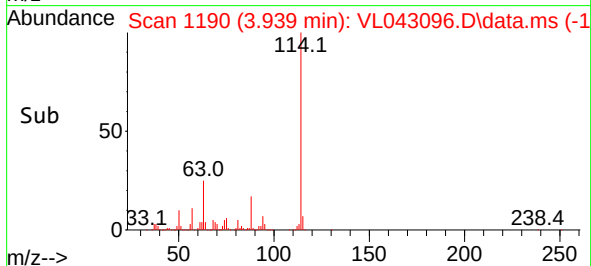
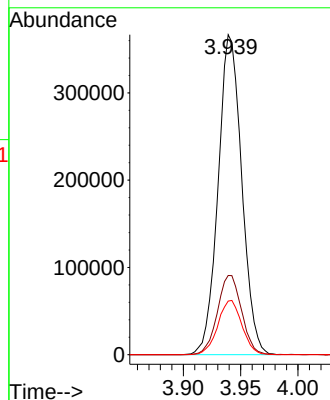
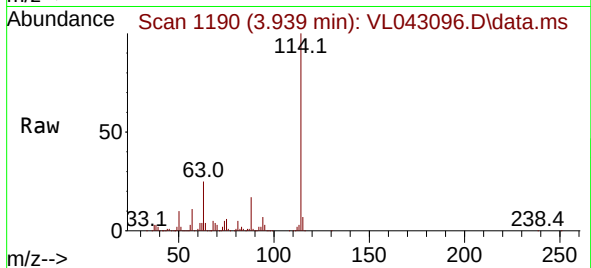
88 17.3 13.9 20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.106 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.010 min

Lab File: VL043096.D

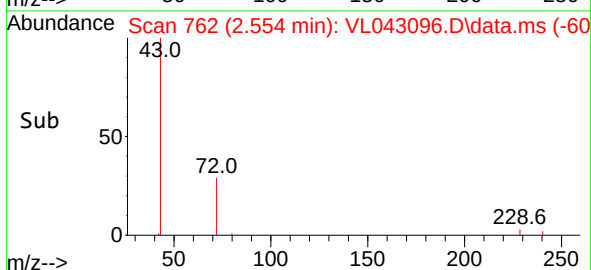
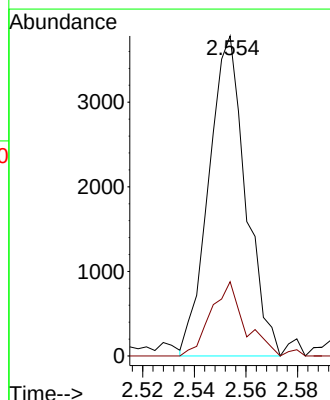
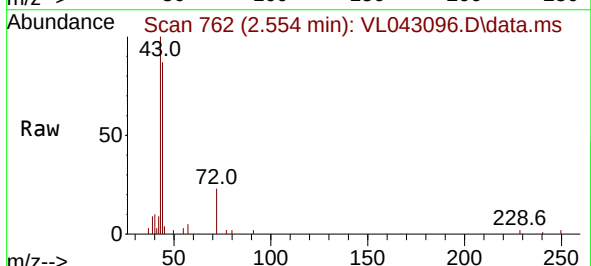
Acq: 09 Oct 2025 20:04

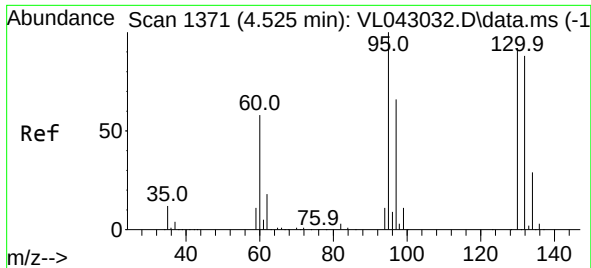
Tgt Ion: 43 Resp: 3769

Ion Ratio Lower Upper

43 100

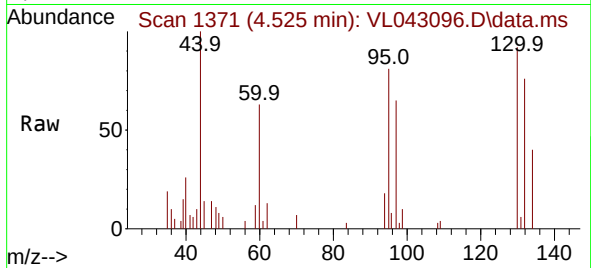
72 21.8 18.4 27.6





#38
Trichloroethene
Concen: 0.128 ppbv
RT: 4.525 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

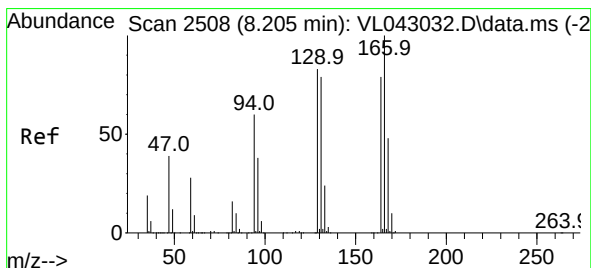
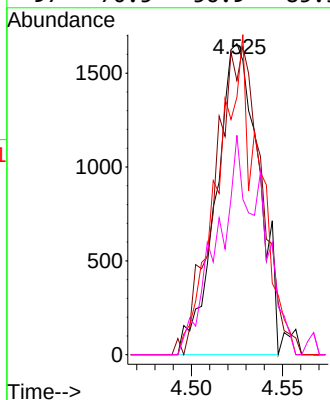
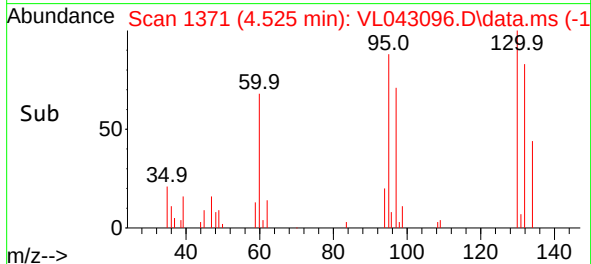
Instrument :
MSVOA_L
ClientSampleId :
SV5



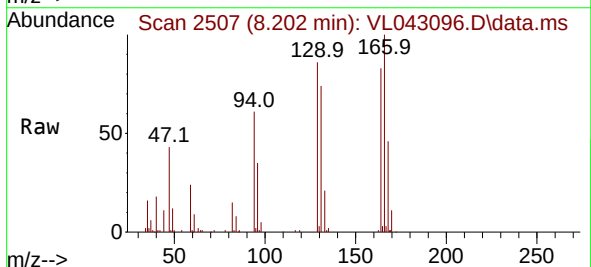
Tgt Ion:130 Resp: 2684
Ion Ratio Lower Upper
130 100
95 91.1 86.4 129.6
132 82.8 75.7 113.5
97 70.5 56.9 85.3

Manual Integrations
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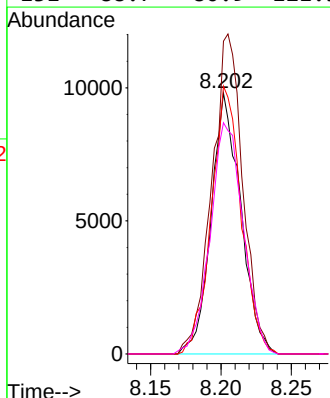
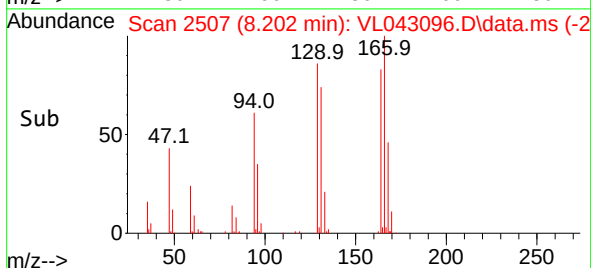
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

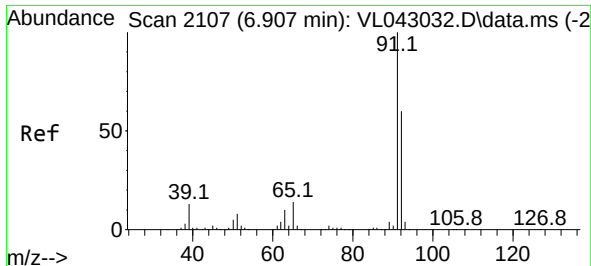


#52
Tetrachloroethene
Concen: 0.771 ppbv
RT: 8.202 min Scan# 2507
Delta R.T. -0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04



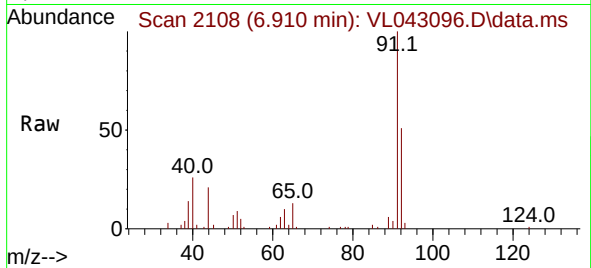
Tgt Ion:164 Resp: 14338
Ion Ratio Lower Upper
164 100
166 120.0 101.8 152.8
129 102.7 84.5 126.7
131 88.7 80.9 121.3





#53
Toluene
Concen: 0.286 ppbv
RT: 6.910 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

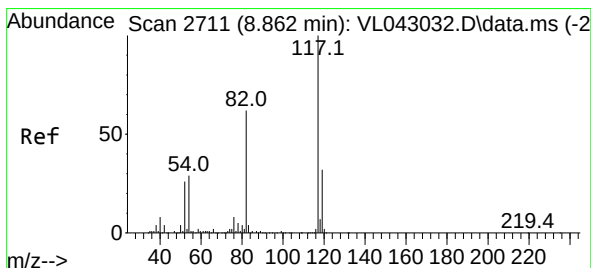
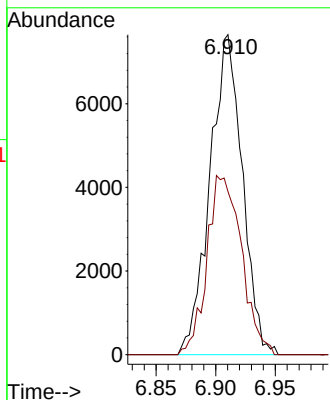
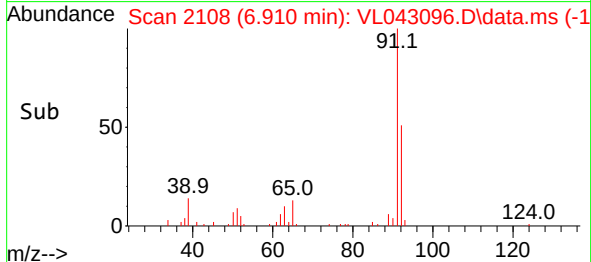
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 91 Resp: 1449
Ion Ratio Lower Upper
91 100
92 59.5 47.8 71.6

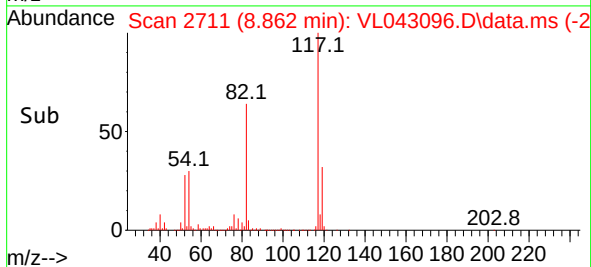
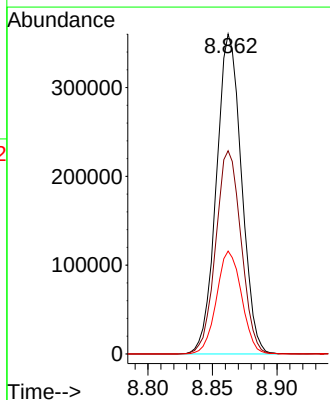
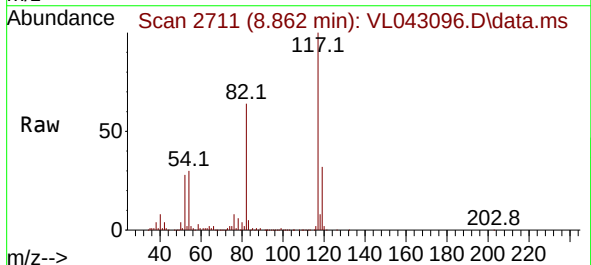
Manual Integrations
APPROVED

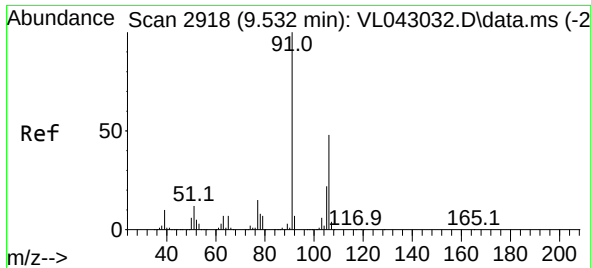
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

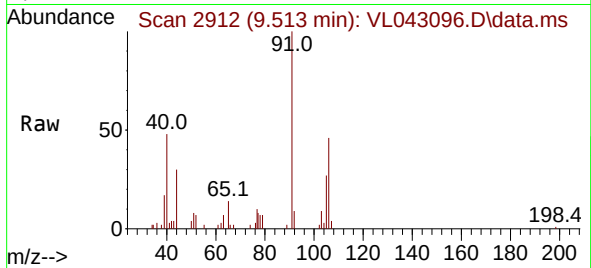
Tgt Ion:117 Resp: 487210
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.1 25.4 38.2





#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 9.513 min Scan# 2918
Delta R.T. -0.020 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

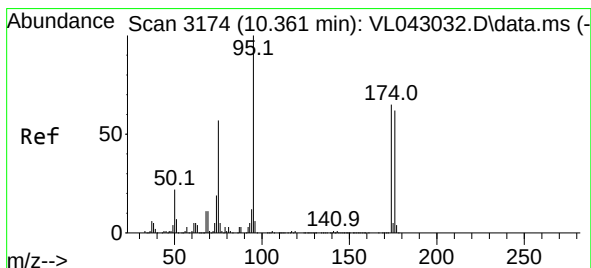
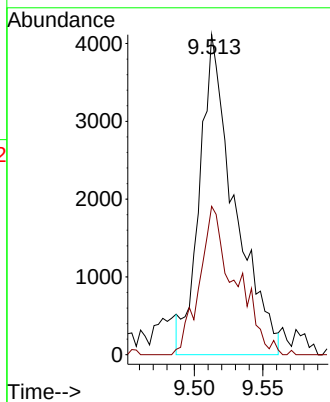
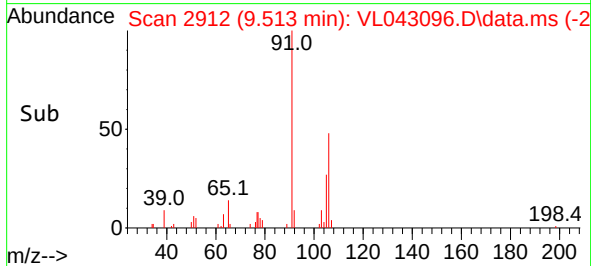
Instrument :
MSVOA_L
ClientSampleId :
SV5



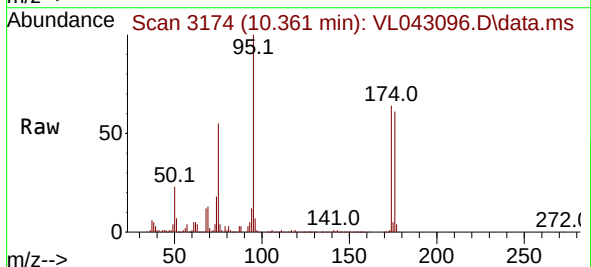
Tgt Ion: 91 Resp: 7279
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3

Manual Integrations
APPROVED

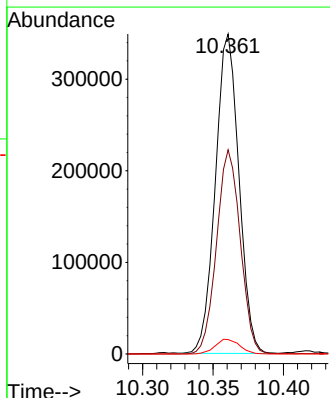
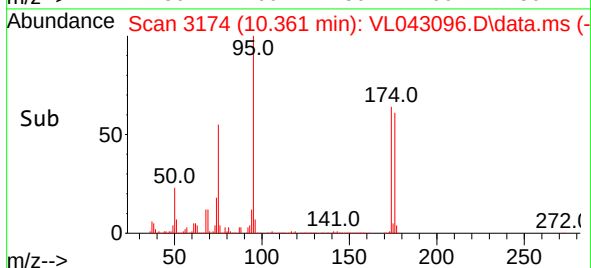
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.559 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04



Tgt Ion: 95 Resp: 405687
Ion Ratio Lower Upper
95 100
174 64.6 52.3 78.5
175 4.8 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA6	SDG No.:	Q3320
Lab Sample ID:	Q3320-11	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043086.D	1		10/09/25 13:52	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.42	2.08	J	0.54	2.47
74-87-3	Chloromethane	0.46	0.95	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.20	1.12	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	8.70	20.7		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.53	1.84		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.18	0.53	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.070	0.44		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.22	1.07	J	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.29	1.09	J	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA6	SDG No.:	Q3320
Lab Sample ID:	Q3320-11	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043086.D	1		10/09/25 13:52	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.25	1.31		0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.28	0.99	J	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	194000		2.777		
540-36-3	1,4-Difluorobenzene	514000		3.943		
3114-55-4	Chlorobenzene-d5	434000		8.866		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	IA6	SDG No.:	Q3320
Lab Sample ID:	Q3320-11	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043086.D	1		10/09/25 13:52	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043086.D
 Acq On : 09 Oct 2025 13:52
 Operator : SY/MD
 Sample : Q3320-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:15:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	194363	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	513990	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	433895	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	336046	10.751	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	13785	0.421	ppbv	98
3) Chlorodifluoromethane	1.473	51	8559m	0.270	ppbv	
4) Chloromethane	1.528	50	5462	0.456	ppbv	99
9) Propene	1.483	41	7754m	0.607	ppbv	
11) Trichlorofluoromethane	1.874	101	6810	0.202	ppbv	89
13) Ethanol	1.716	45	86892	186.390	ppbv	89
15) Acetone	1.829	43	236906	8.705	ppbv	100
19) Isopropyl Alcohol	1.881	45	178943	13.724	ppbv #	29
20) Methylene Chloride	2.056	84	6285	0.529	ppbv	95
26) Hexane	2.819	57	7381	0.281	ppbv #	40
29) Chloroform	2.839	83	9745	0.218	ppbv	99
34) 2-Butanone	2.551	43	6124	0.176	ppbv	95
35) Carbon Tetrachloride	3.748	117	2953m	0.070	ppbv	
53) Toluene	6.911	91	14195	0.286	ppbv	100
59) m/p-Xylene	9.519	91	14504m	0.256	ppbv	
79) Naphthalene	13.504	128	914	0.251	ppbv #	93

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

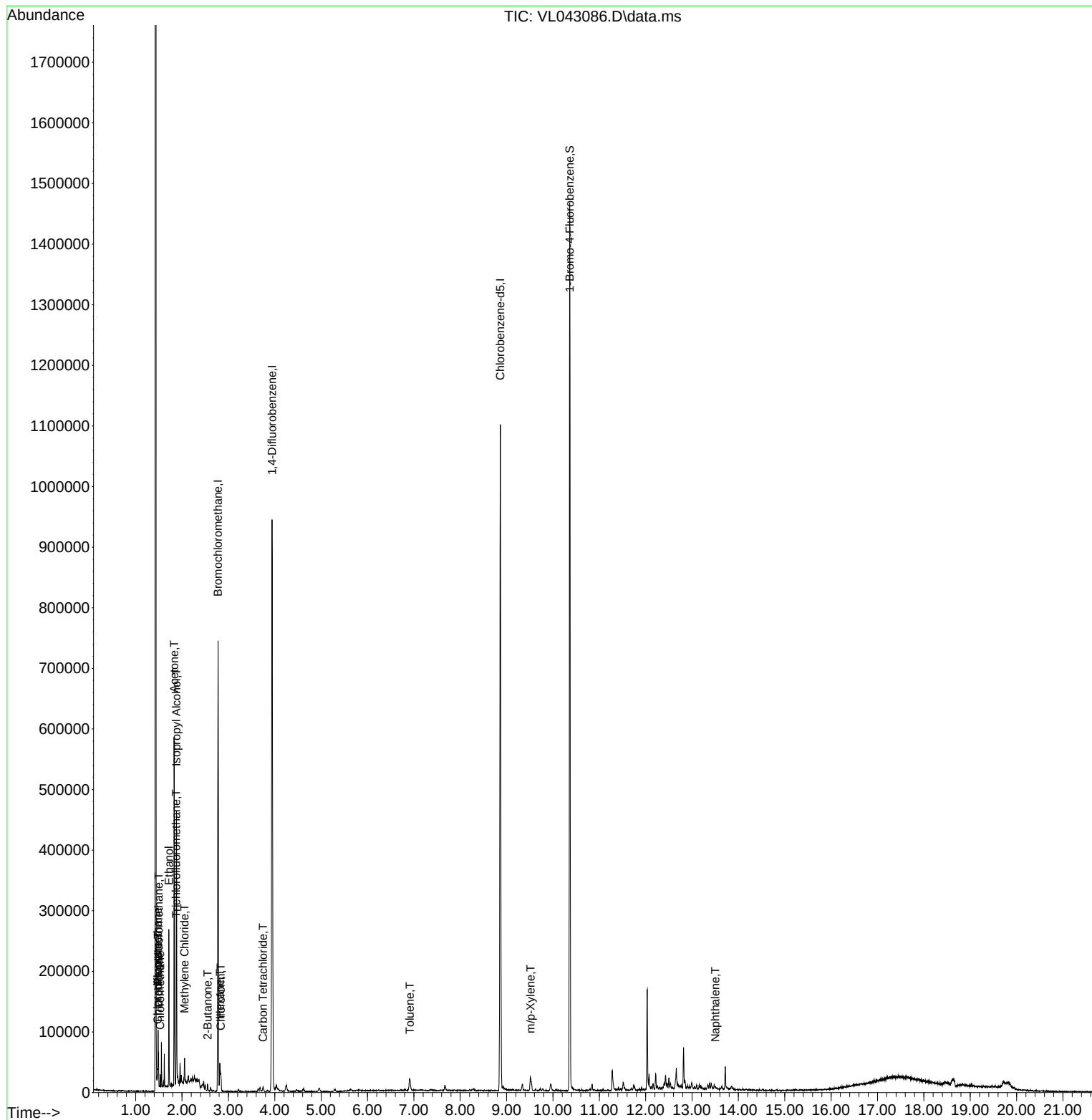
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Data File : VL043086.D
Acq On : 09 Oct 2025 13:52
Operator : SY/MD
Sample : Q3320-11
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

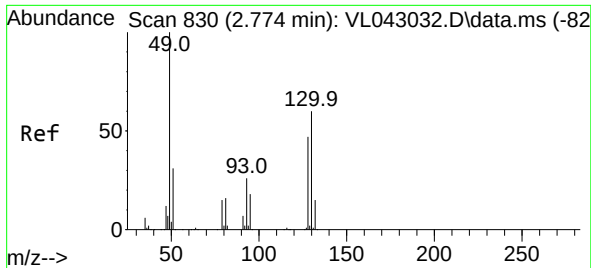
Instrument :
MSVOA_L
ClientSampleId :
IA6

Quant Time: Oct 09 22:15:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025





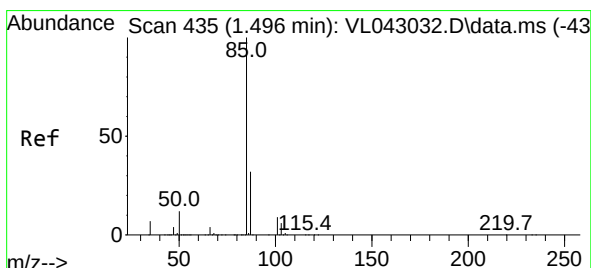
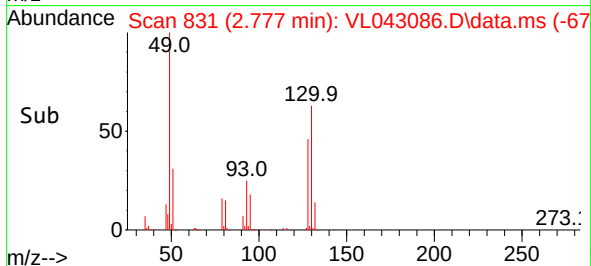
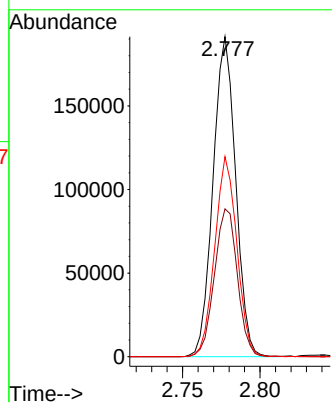
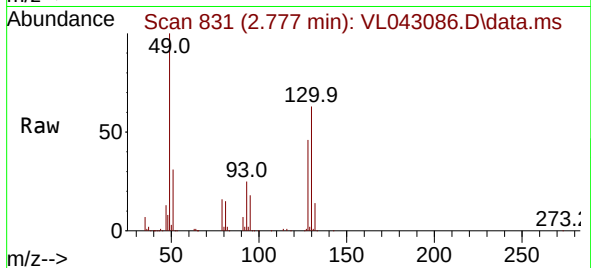
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
IA6

Tgt Ion: 49 Resp: 19436
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.2
130 61.2 31.4 94.3

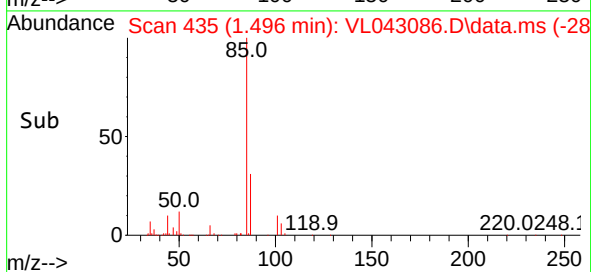
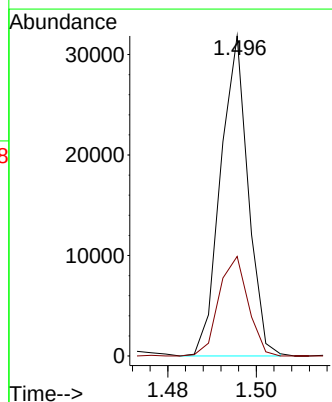
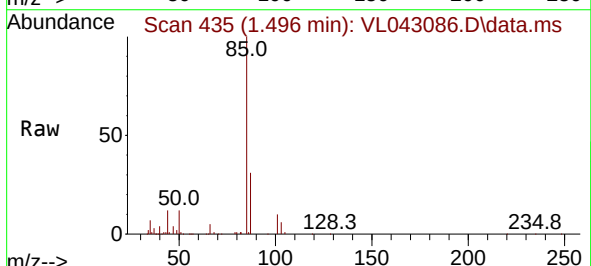
Manual Integrations
APPROVED

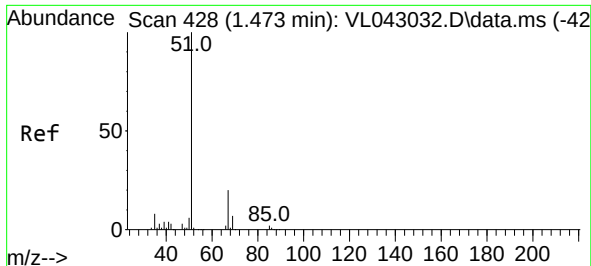
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.421 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

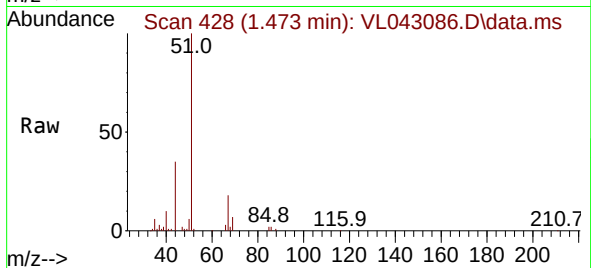
Tgt Ion: 85 Resp: 13785
Ion Ratio Lower Upper
85 100
87 31.1 25.8 38.6





#3
Chlorodifluoromethane
Concen: 0.270 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

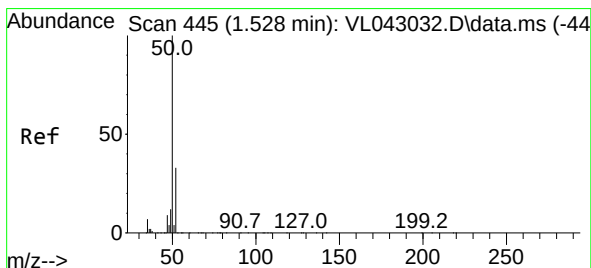
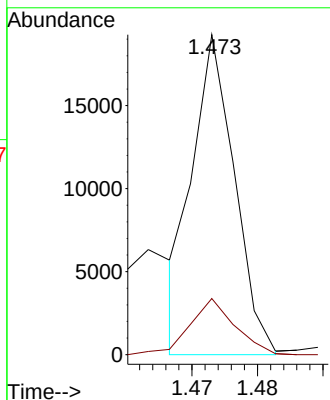
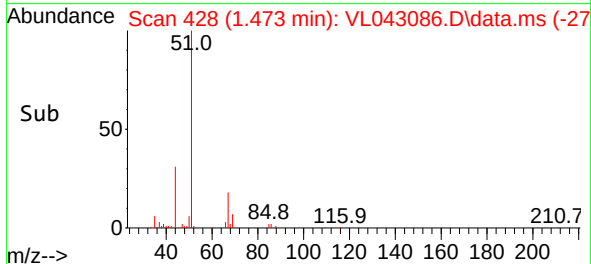
Instrument :
MSVOA_L
ClientSampleId :
IA6



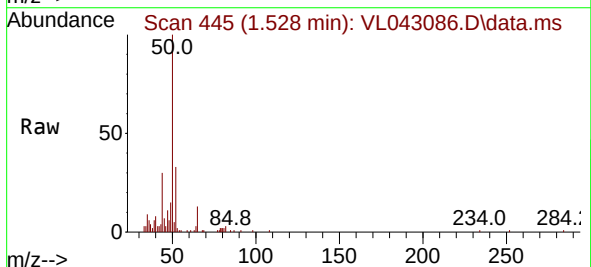
Tgt Ion: 51 Resp: 8559
Ion Ratio Lower Upper
51 100
67 19.0 15.1 22.7

Manual Integrations
APPROVED

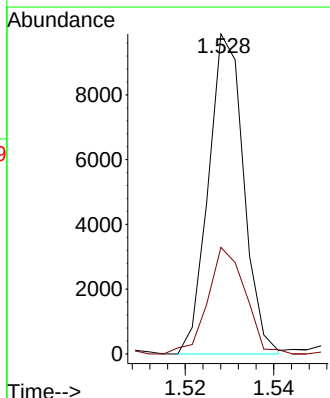
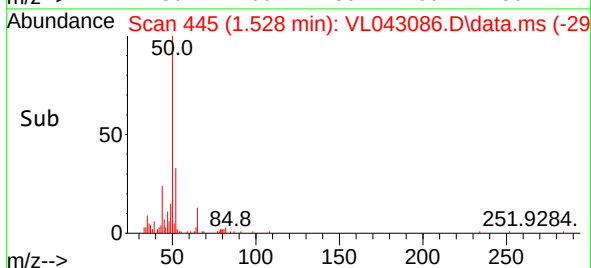
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

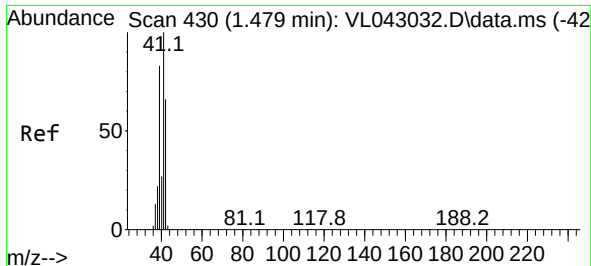


#4
Chloromethane
Concen: 0.456 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52



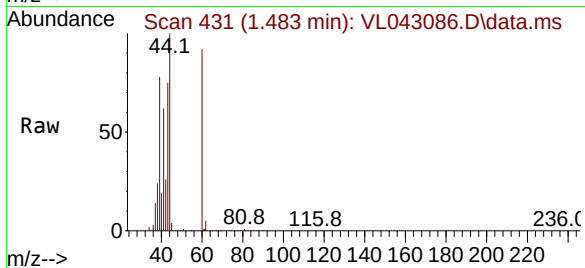
Tgt Ion: 50 Resp: 5462
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.2





#9
Propene
Concen: 0.607 ppbv m
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

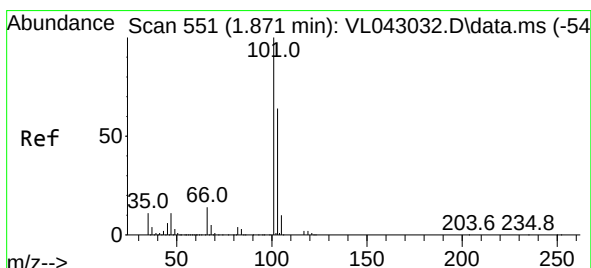
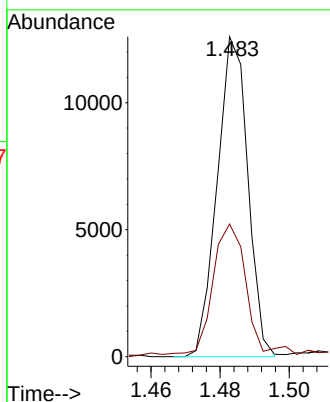
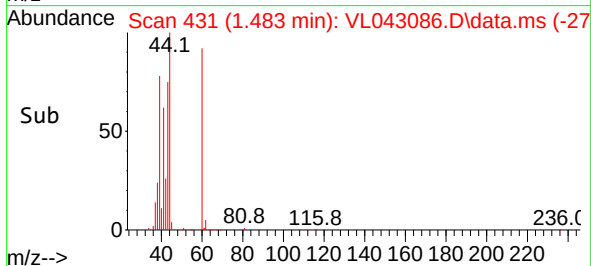
Instrument :
MSVOA_L
ClientSampleId :
IA6



Tgt Ion: 41 Resp: 7754
Ion Ratio Lower Upper
41 100
42 162.3 53.3 79.9

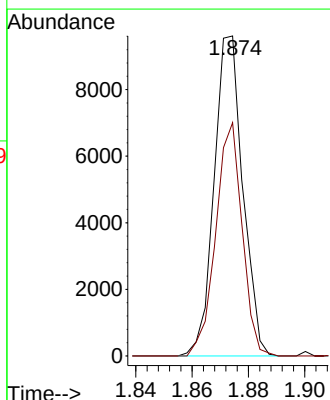
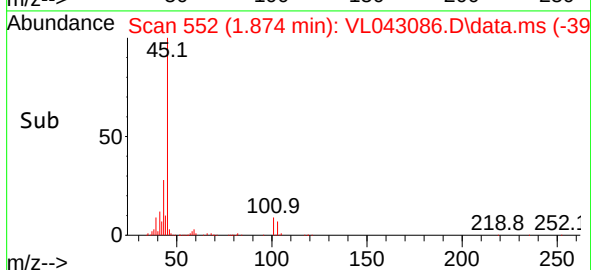
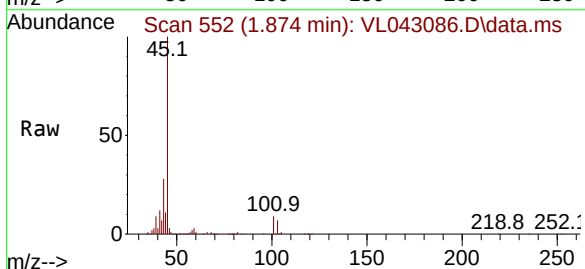
Manual Integrations
APPROVED

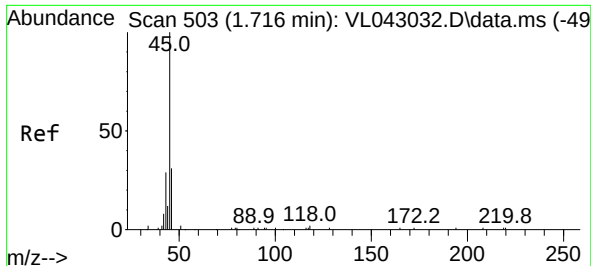
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#11
Trichlorofluoromethane
Concen: 0.202 ppbv
RT: 1.874 min Scan# 552
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

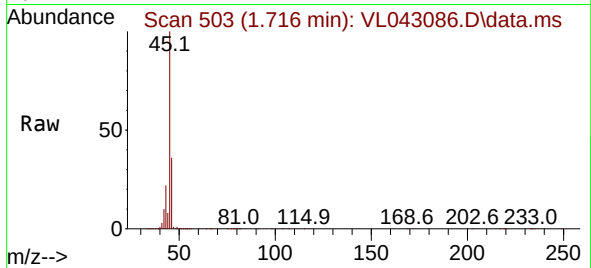
Tgt Ion:101 Resp: 6810
Ion Ratio Lower Upper
101 100
103 72.9 51.1 76.7





#13
Ethanol
Concen: 186.390 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

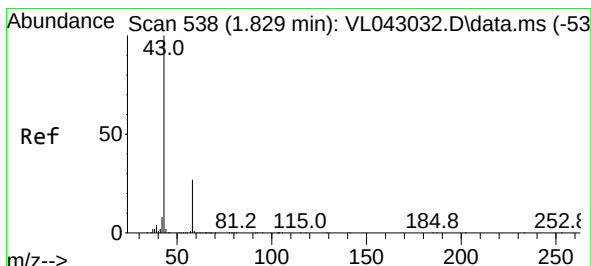
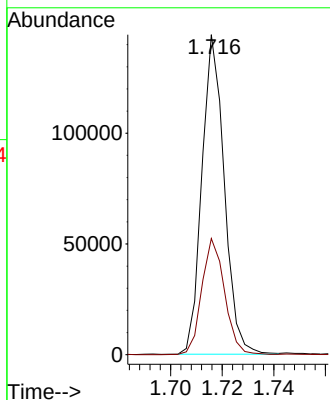
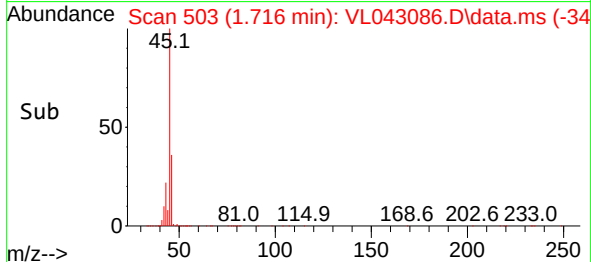
Instrument :
MSVOA_L
ClientSampleId :
IA6



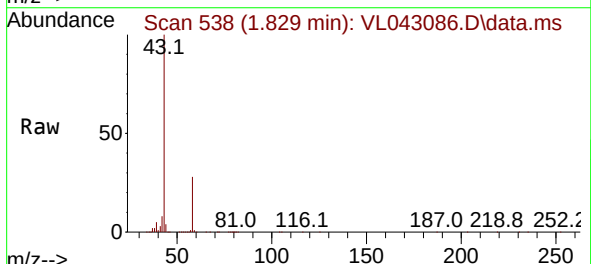
Tgt Ion: 45 Resp: 86892
Ion Ratio Lower Upper
45 100
46 37.4 17.8 71.4

Manual Integrations
APPROVED

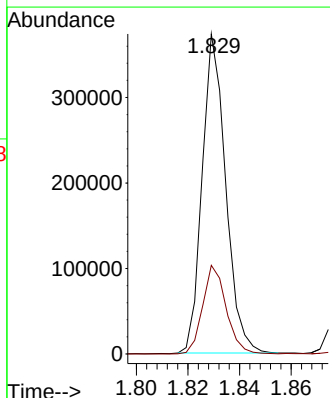
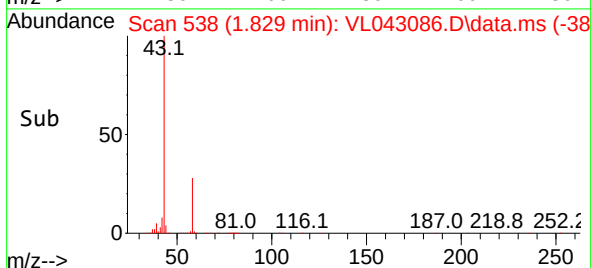
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

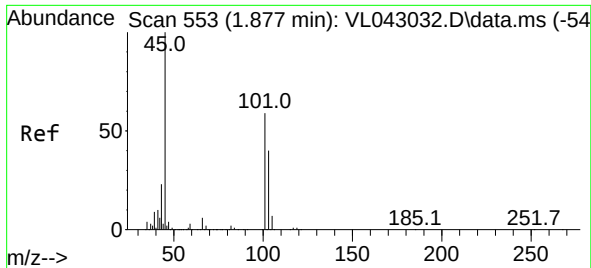


#15
Acetone
Concen: 8.705 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52



Tgt Ion: 43 Resp: 236906
Ion Ratio Lower Upper
43 100
58 27.7 22.2 33.4





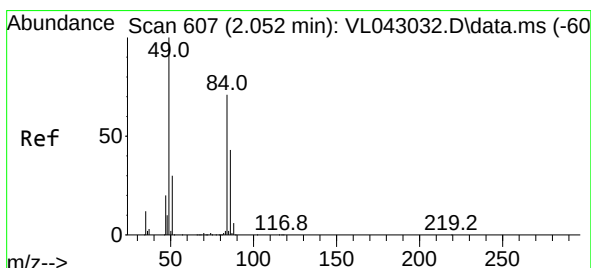
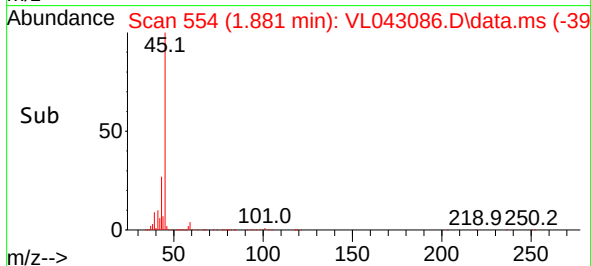
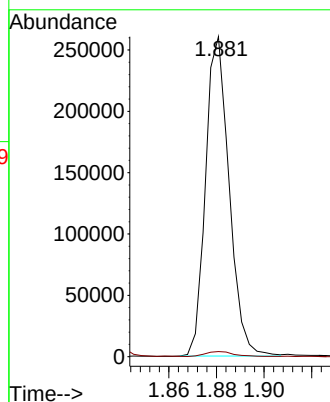
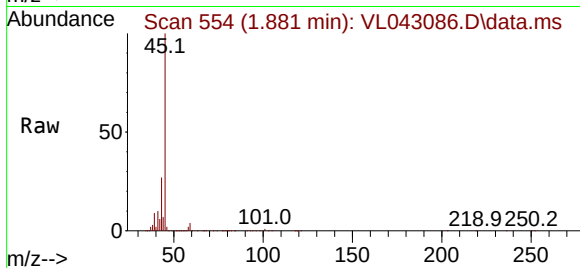
#19
Isopropyl Alcohol
Concen: 13.724 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
IA6

Tgt Ion: 45 Resp: 17894
Ion Ratio Lower Upper
45 100
58 2.4 42.3 63.5

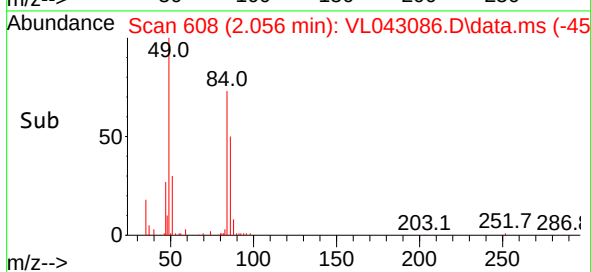
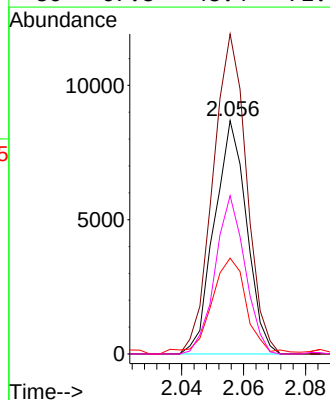
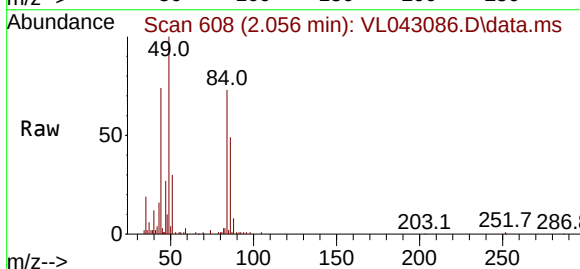
Manual Integrations
APPROVED

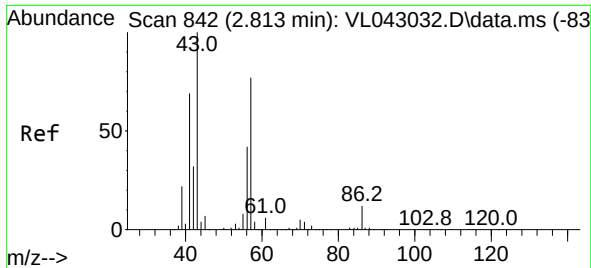
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.529 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

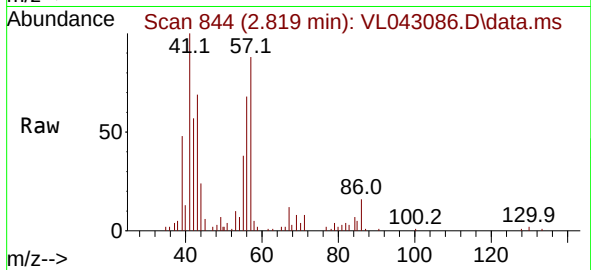
Tgt Ion: 84 Resp: 6285
Ion Ratio Lower Upper
84 100
49 137.2 112.5 168.7
51 39.4 34.2 51.2
86 67.8 48.4 72.6





#26
Hexane
Concen: 0.281 ppbv
RT: 2.819 min Scan# 842
Delta R.T. 0.007 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

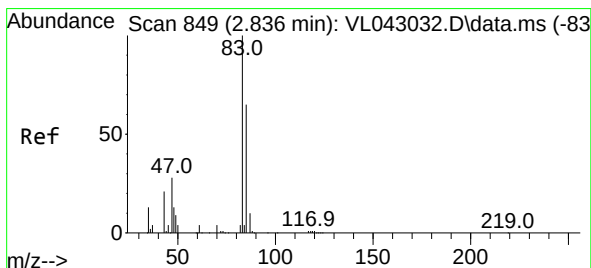
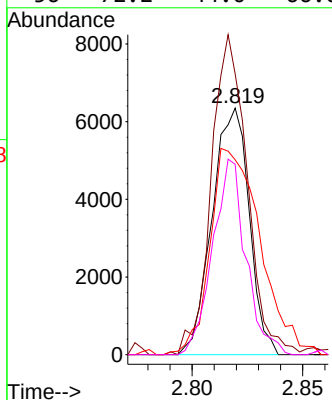
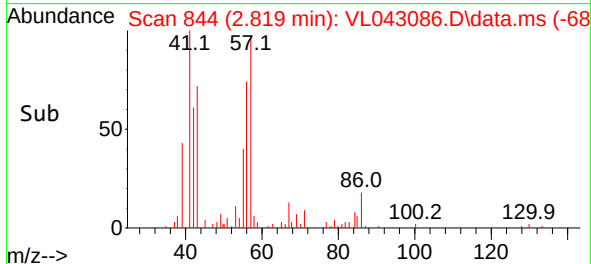
Instrument :
MSVOA_L
ClientSampleId :
IA6



Tgt Ion: 57 Resp: 738
Ion Ratio Lower Upper
57 100
41 127.3 76.1 114.1
43 114.0 201.4 302.0
56 72.2 44.0 66.0

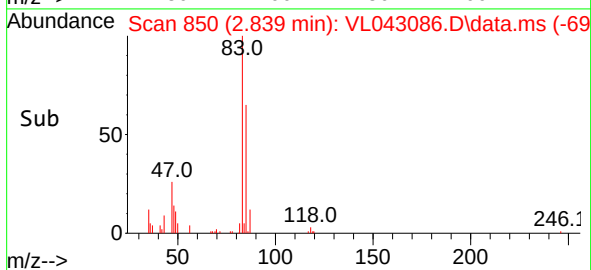
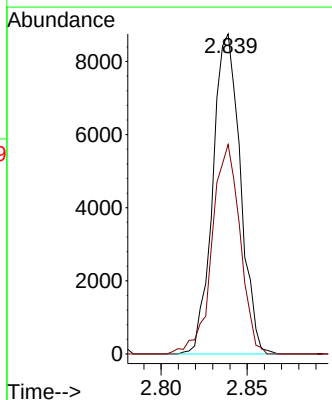
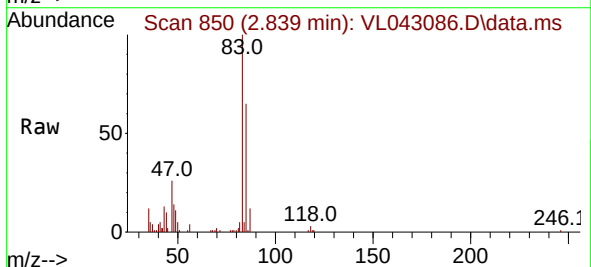
Manual Integrations
APPROVED

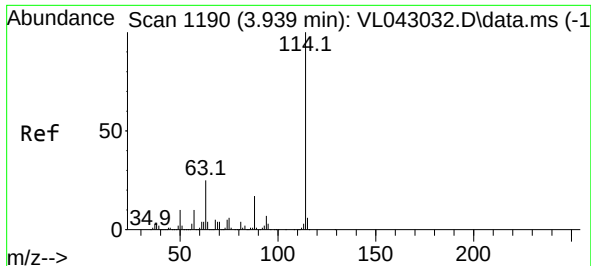
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#29
Chloroform
Concen: 0.218 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

Tgt Ion: 83 Resp: 9745
Ion Ratio Lower Upper
83 100
85 65.5 52.0 78.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.943 min Scan# 1190

Delta R.T. 0.003 min

Lab File: VL043086.D

Acq: 09 Oct 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

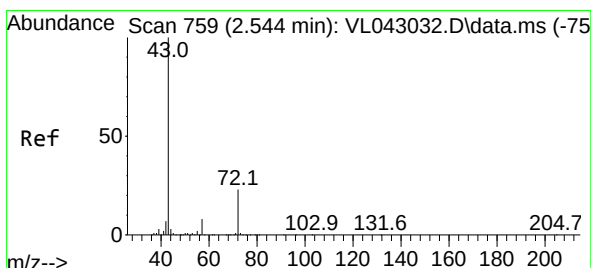
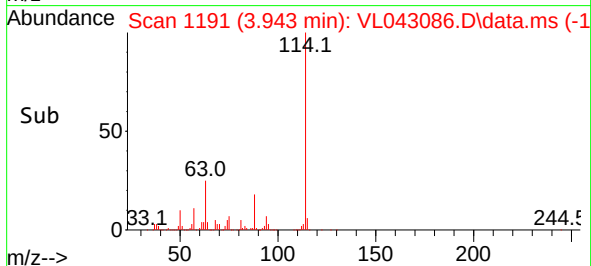
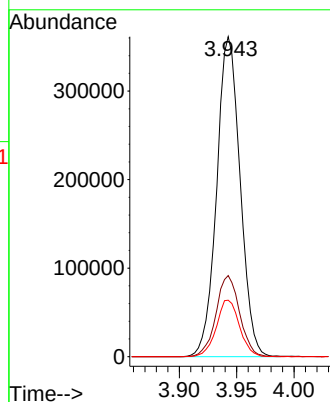
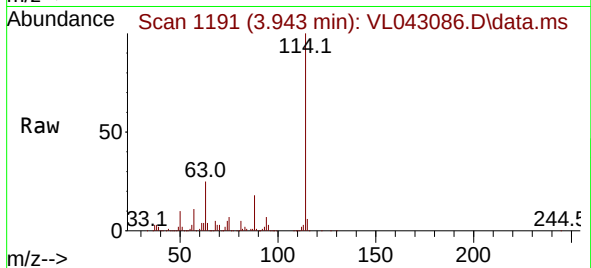
IA6

Tgt Ion:	114	Resp:	513990
Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.4	29.2
88	17.5	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.176 ppbv

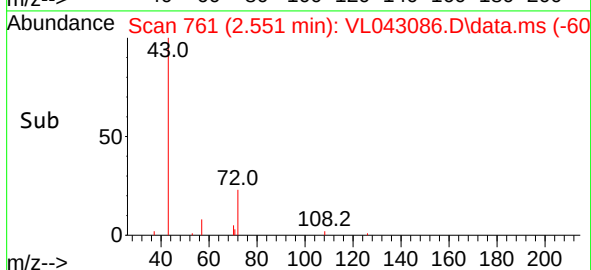
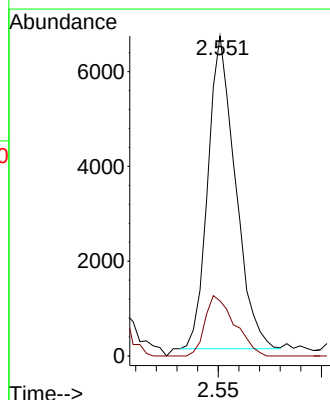
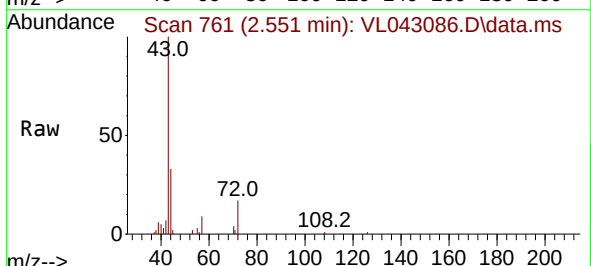
RT: 2.551 min Scan# 761

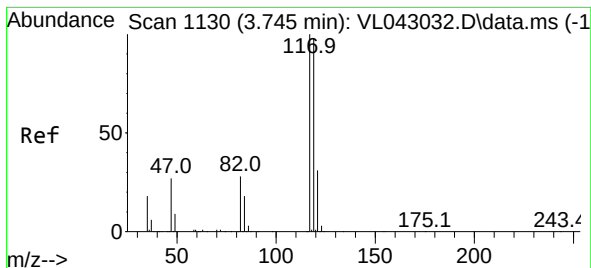
Delta R.T. 0.007 min

Lab File: VL043086.D

Acq: 09 Oct 2025 13:52

Tgt Ion:	43	Resp:	6124
Ion	Ratio	Lower	Upper
43	100		
72	20.8	18.4	27.6





#35

Carbon Tetrachloride

Concen: 0.070 ppbv m

RT: 3.748 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VL043086.D

Acq: 09 Oct 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

IA6

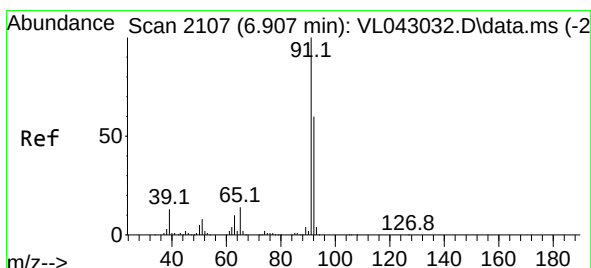
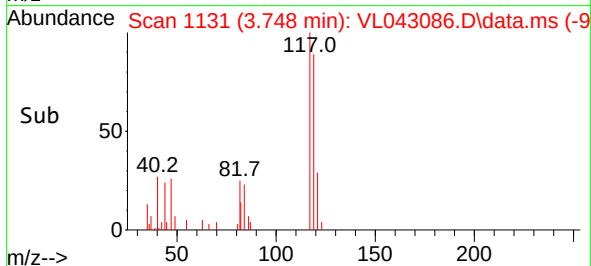
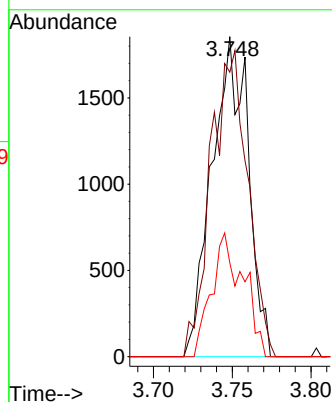
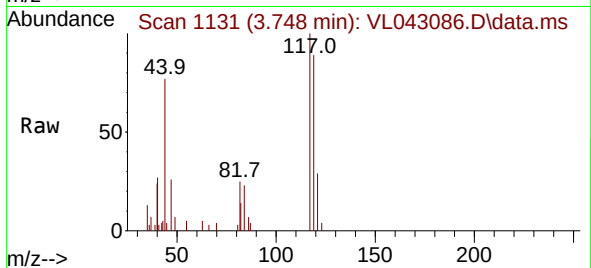
Tgt Ion:	117	Resp:	295
Ion Ratio	Lower	Upper	
117	100		
119	88.9	78.2	117.4
121	29.3	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#53

Toluene

Concen: 0.286 ppbv

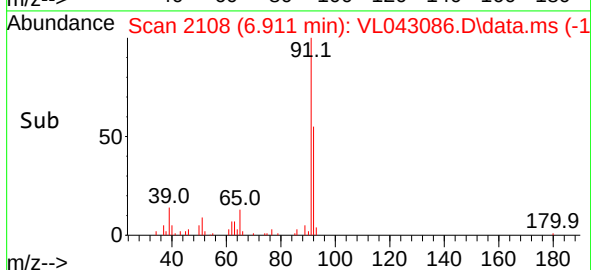
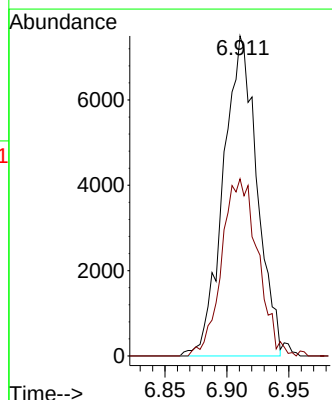
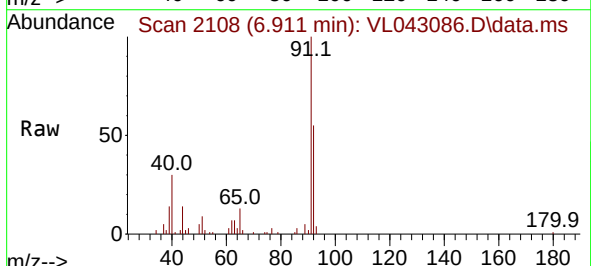
RT: 6.911 min Scan# 2108

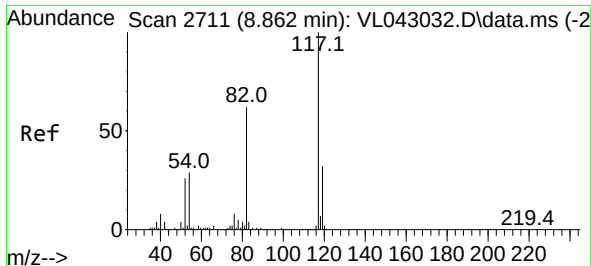
Delta R.T. 0.003 min

Lab File: VL043086.D

Acq: 09 Oct 2025 13:52

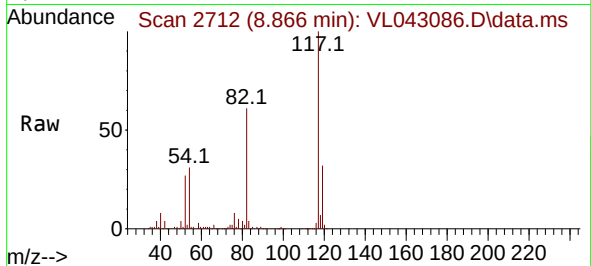
Tgt Ion:	91	Resp:	14195
Ion Ratio	Lower	Upper	
91	100		
92	59.6	47.8	71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

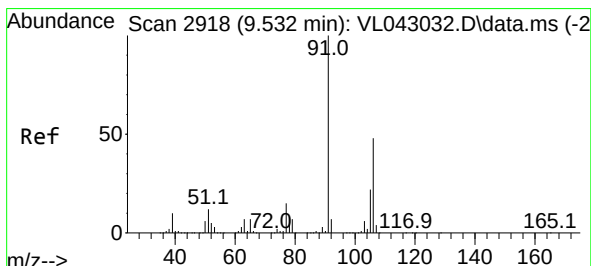
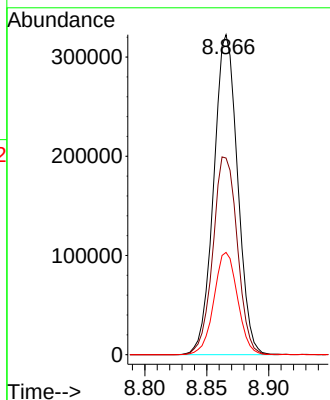
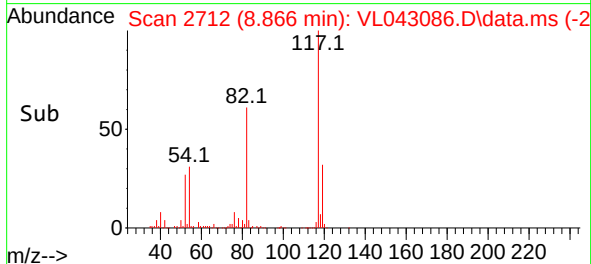
Instrument :
MSVOA_L
ClientSampleId :
IA6



Tgt Ion: 117 Resp: 43389
Ion Ratio Lower Upper
117 100
82 63.3 53.0 79.6
119 31.7 25.4 38.2

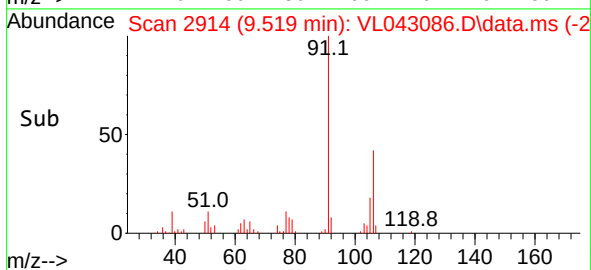
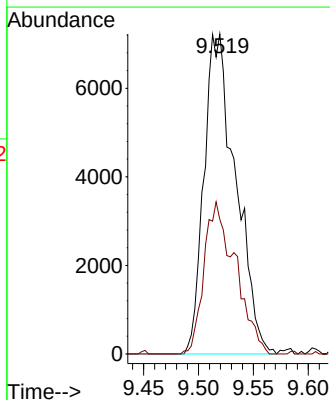
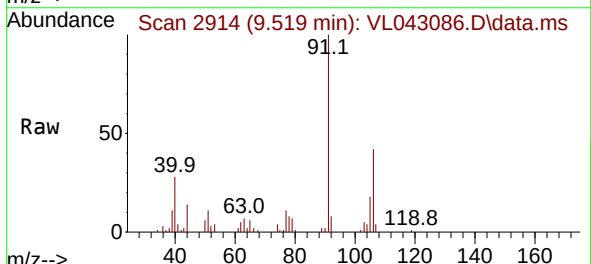
Manual Integrations
APPROVED

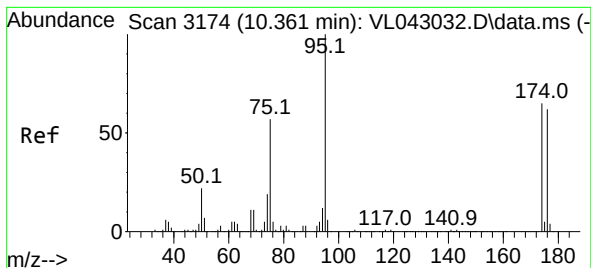
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 0.256 ppbv m
RT: 9.519 min Scan# 2914
Delta R.T. -0.013 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

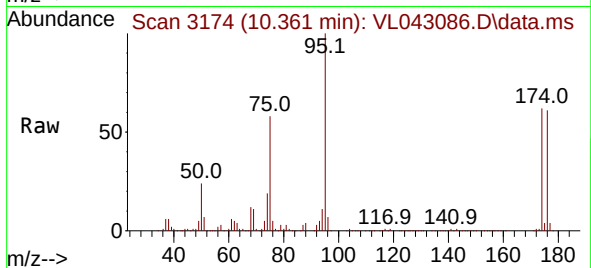
Tgt Ion: 91 Resp: 14504
Ion Ratio Lower Upper
91 100
106 47.1 37.5 56.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.751 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

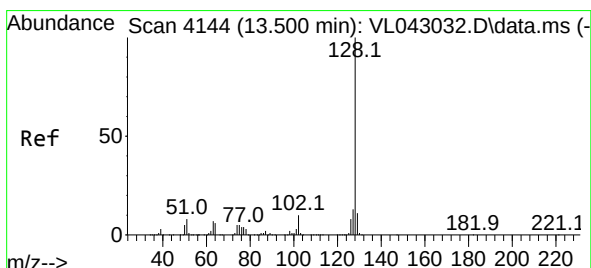
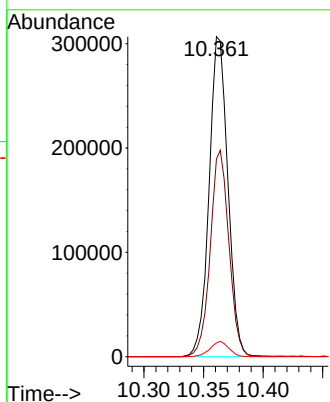
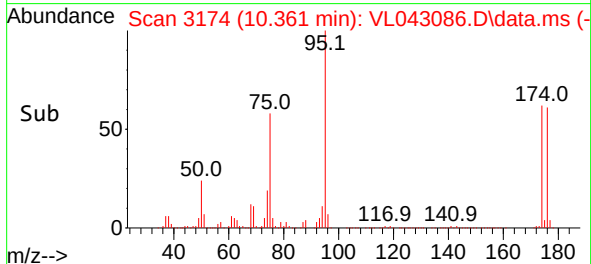
Instrument :
MSVOA_L
ClientSampleId :
IA6



Tgt Ion: 95 Resp: 336040
Ion Ratio Lower Upper
95 100
174 64.5 52.3 78.5
175 4.8 3.8 5.8

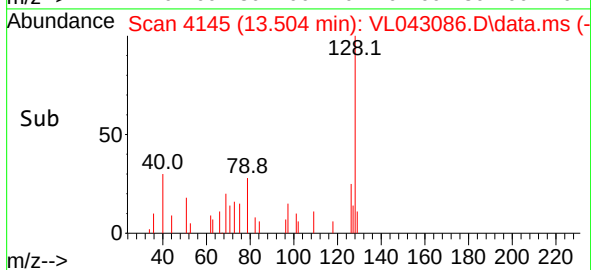
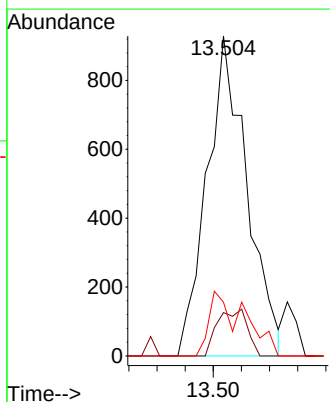
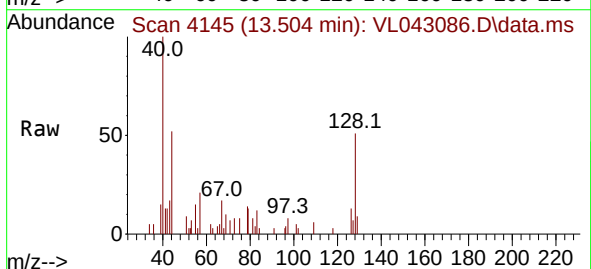
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#79
Naphthalene
Concen: 0.251 ppbv
RT: 13.504 min Scan# 4145
Delta R.T. 0.004 min
Lab File: VL043086.D
Acq: 09 Oct 2025 13:52

Tgt Ion:128 Resp: 914
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 16.8 8.8 13.2#



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6	SDG No.:	Q3320
Lab Sample ID:	Q3320-12	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043097.D	5		10/09/25 20:39	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.55	2.72	U	2.72	12.4
74-87-3	Chloromethane	0.49	1.01	U	1.01	5.16
75-01-4	Vinyl Chloride	0.13	0.33	U	0.33	0.38
74-83-9	Bromomethane	0.39	1.51	U	1.51	9.71
75-00-3	Chloroethane	0.75	1.98	U	1.98	6.60
109-99-9	Tetrahydrofuran	0.40	1.18	U	1.18	7.37
75-69-4	Trichlorofluoromethane	0.85	4.78	U	4.78	14.1
76-13-1	1,1,2-Trichlorotrifluoroethane	0.70	5.37	U	5.37	19.2
76-14-2	Dichlorotetrafluoroethane	0.75	5.24	U	5.24	17.5
75-65-0	tert-Butyl alcohol	3.20	9.70		2.43	7.58
142-82-5	Heptane	0.85	3.48	U	3.48	10.3
75-35-4	1,1-Dichloroethene	0.75	2.97	U	2.97	9.91
67-64-1	Acetone	81.7	194	E	2.14	5.94
75-15-0	Carbon Disulfide	0.40	1.25	U	1.25	7.79
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	U	4.33	9.01
75-09-2	Methylene Chloride	1.20	4.17	J	4.17	8.69
156-60-5	trans-1,2-Dichloroethene	0.60	2.38	U	2.38	9.91
75-34-3	1,1-Dichloroethane	0.65	2.63	U	2.63	10.1
110-82-7	Cyclohexane	1.10	3.79	U	3.79	8.61
78-93-3	2-Butanone	0.94	2.77	J	0.83	7.37
56-23-5	Carbon Tetrachloride	0.13	0.82	U	0.82	0.94
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	1.98	9.91
67-66-3	Chloroform	0.48	2.34	U	2.34	12.2
71-55-6	1,1,1-Trichloroethane	0.080	0.44	U	0.44	0.82
540-84-1	2,2,4-Trimethylpentane	0.70	3.27	U	3.27	11.7
71-43-2	Benzene	0.53	1.69	J	1.28	7.99
107-06-2	1,2-Dichloroethane	0.47	1.90	U	1.90	10.1
79-01-6	Trichloroethene	1.70	9.14		0.64	0.81
78-87-5	1,2-Dichloropropane	0.65	3.00	U	3.00	11.6
75-27-4	Bromodichloromethane	0.32	2.14	U	2.14	16.8
108-10-1	4-Methyl-2-Pentanone	0.49	2.01	U	2.01	10.3
108-88-3	Toluene	1.70	6.41	J	3.01	9.42
10061-02-6	t-1,3-Dichloropropene	0.75	3.40	U	3.40	11.3
10061-01-5	cis-1,3-Dichloropropene	0.55	2.50	U	2.50	11.3
79-00-5	1,1,2-Trichloroethane	0.41	2.24	U	2.24	13.6

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6	SDG No.:	Q3320
Lab Sample ID:	Q3320-12	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043097.D	5		10/09/25 20:39	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.43	3.66	U	3.66	21.3
106-93-4	1,2-Dibromoethane	0.43	3.30	U	3.30	3.84
127-18-4	Tetrachloroethene	8.40	57.0		0.54	1.02
108-90-7	Chlorobenzene	0.39	1.80	U	1.80	11.5
100-41-4	Ethyl Benzene	10.1	43.9		4.13	10.9
179601-23-1	m/p-Xylene	20.2	87.7		9.12	21.7
95-47-6	o-Xylene	3.80	16.5		4.78	10.9
100-42-5	Styrene	0.80	3.41	U	3.41	10.6
75-25-2	Bromoform	0.24	2.48	U	2.48	25.9
79-34-5	1,1,2,2-Tetrachloroethane	0.090	0.62	U	0.62	1.03
95-49-8	2-Chlorotoluene	0.85	4.40	U	4.40	12.9
108-67-8	1,3,5-Trimethylbenzene	0.90	4.42	U	4.42	12.3
95-63-6	1,2,4-Trimethylbenzene	0.90	4.42	U	4.42	12.3
541-73-1	1,3-Dichlorobenzene	0.27	1.62	U	1.62	15.0
106-46-7	1,4-Dichlorobenzene	0.65	3.91	U	3.91	15.0
95-50-1	1,2-Dichlorobenzene	0.65	3.91	U	3.91	15.0
120-82-1	1,2,4-Trichlorobenzene	1.10	8.17	U	8.17	18.6
87-68-3	Hexachloro-1,3-Butadiene	0.65	6.93	U	6.93	26.7
106-99-0	1,3-Butadiene	0.26	0.58	U	0.58	5.53
91-20-3	Naphthalene	0.070	0.37	U	0.37	2.62
622-96-8	4-Ethyltoluene	1.10	5.41	U	5.41	12.3
110-54-3	Hexane	5.70	20.1		2.82	8.81
107-05-1	Allyl Chloride	0.55	1.72	U	1.72	7.83
123-91-1	1,4-Dioxane	1.10	3.96	U	3.96	9.01
80-62-6	Methyl Methacrylate	0.70	2.87	U	2.87	10.2
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.8			65 - 135	118% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	179000		2.777		
540-36-3	1,4-Difluorobenzene	517000		3.939		
3114-55-4	Chlorobenzene-d5	480000		8.862		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6	SDG No.:	Q3320
Lab Sample ID:	Q3320-12	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043097.D	5		10/09/25 20:39	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
------------	-----------	---------------	----------------	-----------	-----	------------

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043097.D
 Acq On : 09 Oct 2025 20:39
 Operator : SY/MD
 Sample : Q3320-12 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:21:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	179161	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	516837	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	480307	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	408138	11.796	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.000%
Target Compounds						
					Qvalue	
9) Propene	1.476	41	2069	0.176	ppbv #	17
10) Heptane	4.959	43	4158m	0.144	ppbv	
13) Ethanol	1.716	45	8212	17.971	ppbv #	31
15) Acetone	1.829	43	409717	16.333	ppbv	98
17) tert-Butyl alcohol	2.036	59	17013	0.641	ppbv	94
19) Isopropyl Alcohol	1.881	45	36882	3.069	ppbv #	1
20) Methylene Chloride	2.052	84	2526	0.231	ppbv #	93
26) Hexane	2.816	57	27696	1.144	ppbv #	33
34) 2-Butanone	2.551	43	6599	0.188	ppbv	94
36) Benzene	3.638	78	5173m	0.105	ppbv	
38) Trichloroethene	4.532	130	7158m	0.348	ppbv	
52) Tetrachloroethene	8.205	164	30608	1.674	ppbv	98
53) Toluene	6.907	91	16951	0.340	ppbv	97
58) Ethyl Benzene	9.338	91	150455	2.022	ppbv	100
59) m/p-Xylene	9.516	91	253469	4.039	ppbv	100
60) o-Xylene	9.950	91	47876	0.766	ppbv	98

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

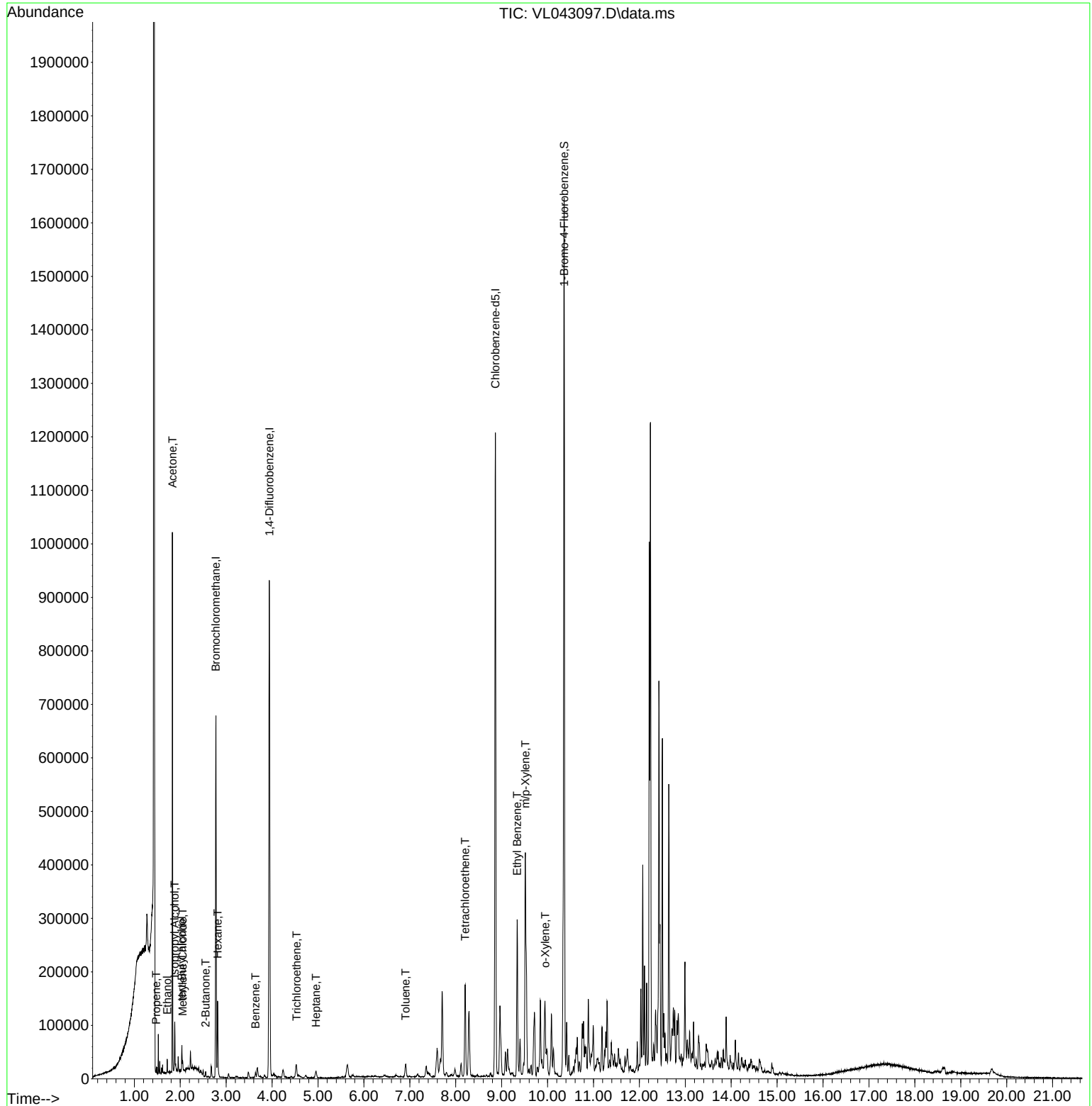
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Data File : VL043097.D
Acq On : 09 Oct 2025 20:39
Operator : SY/MD
Sample : Q3320-12 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

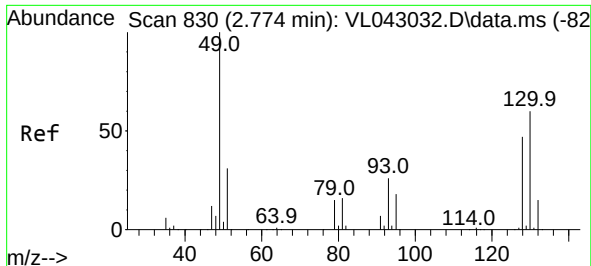
Instrument :
MSVOA_L
ClientSampleId :
SV6

Quant Time: Oct 09 22:21:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

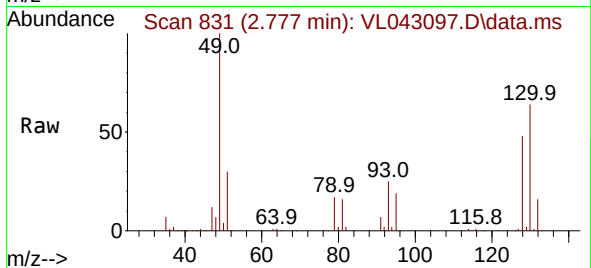
Reviewed By : Semsettin Yesilyurt 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

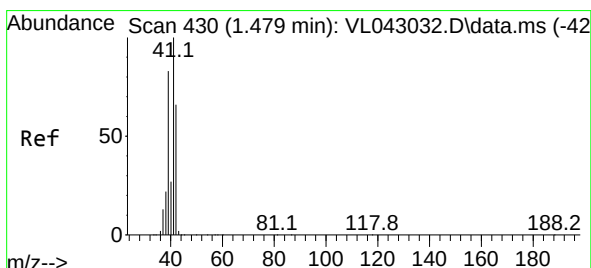
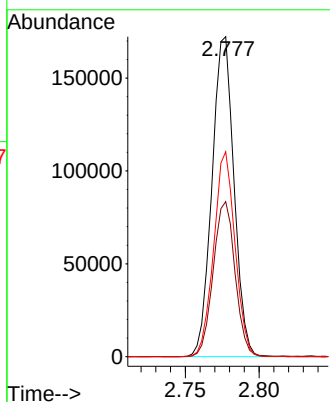
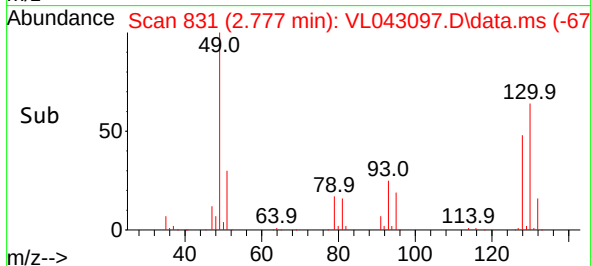
Instrument :
MSVOA_L
ClientSampleId :
SV6



Tgt Ion: 49 Resp: 17916
Ion Ratio Lower Upper
49 100
128 48.0 24.1 72.2
130 62.1 31.4 94.3

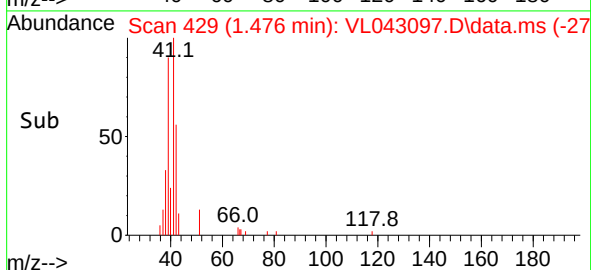
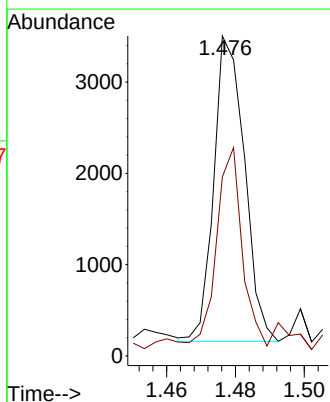
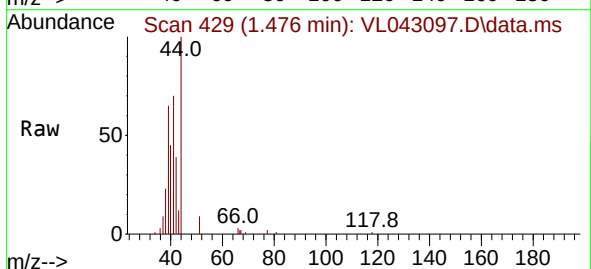
Manual Integrations
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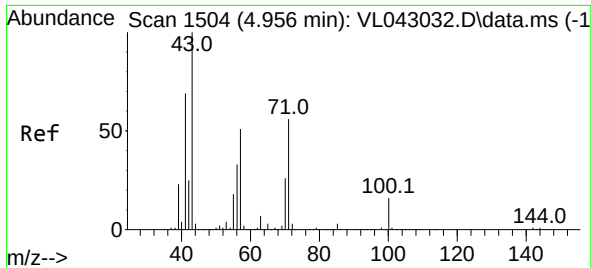
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#9
Propene
Concen: 0.176 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Tgt Ion: 41 Resp: 2069
Ion Ratio Lower Upper
41 100
42 0.0 53.3 79.9#





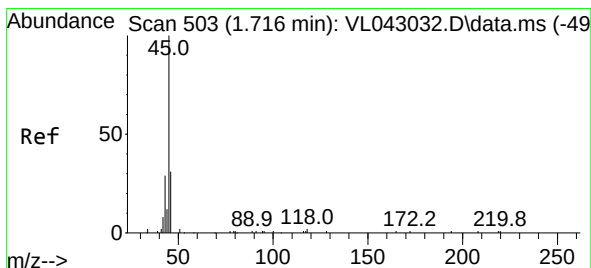
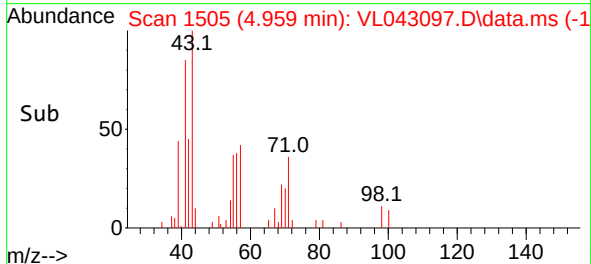
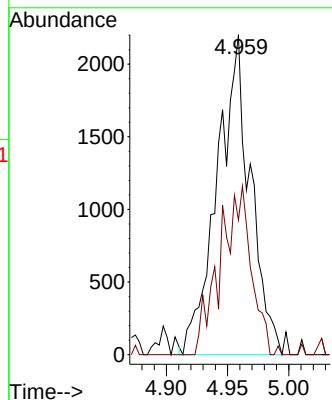
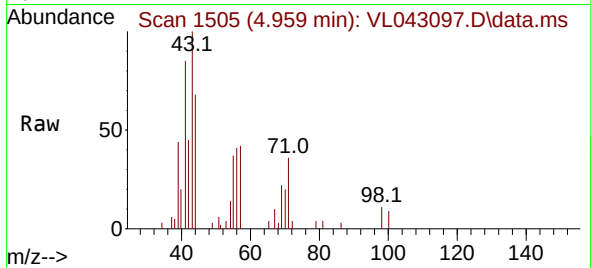
#10
Heptane
Concen: 0.144 ppbv m
RT: 4.959 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 43 Resp: 4158
Ion Ratio Lower Upper
43 100
57 49.8 40.3 60.5

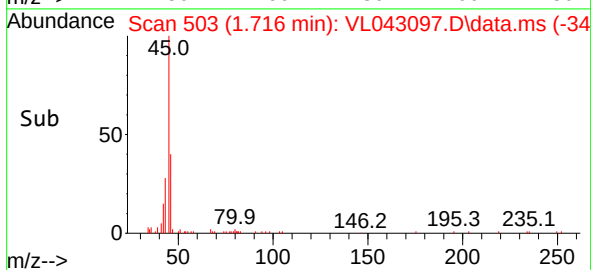
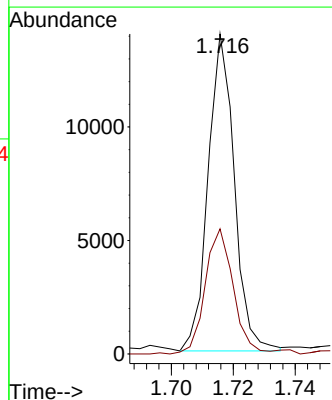
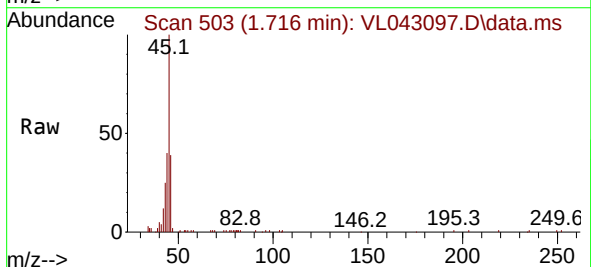
Manual Integrations
APPROVED

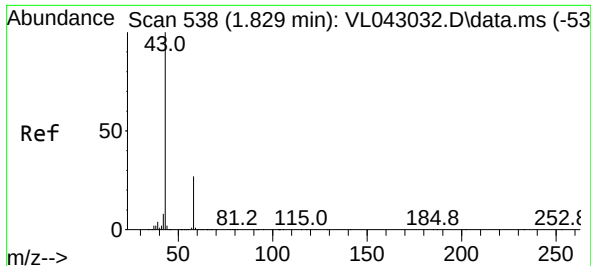
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 17.971 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

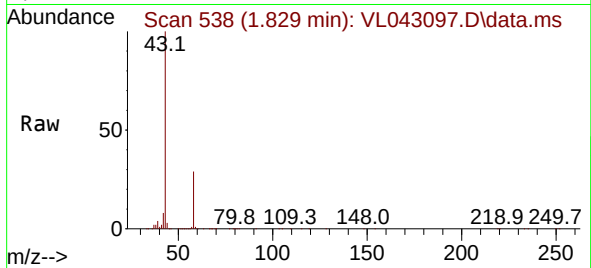
Tgt Ion: 45 Resp: 8212
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 16.333 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

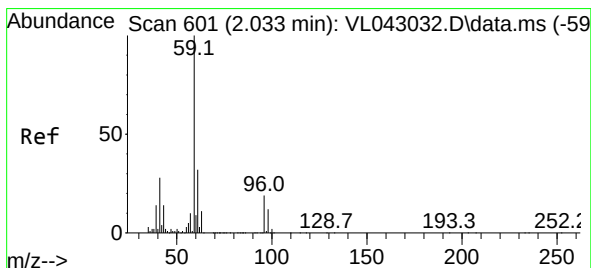
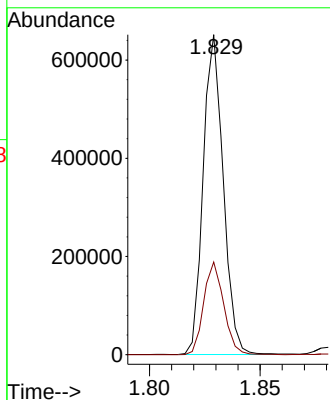
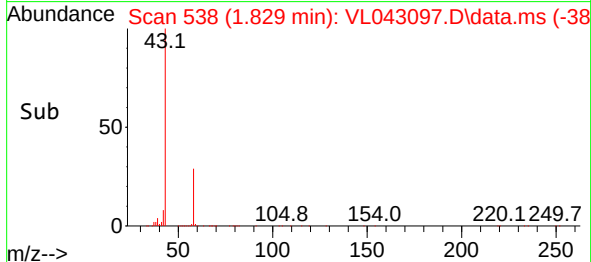
Instrument :
MSVOA_L
ClientSampleId :
SV6



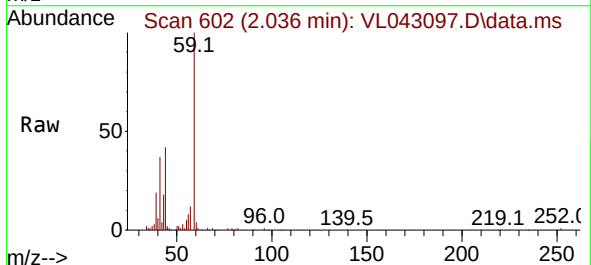
Tgt Ion: 43 Resp: 40971
Ion Ratio Lower Upper
43 100
58 28.9 22.2 33.4

Manual Integrations
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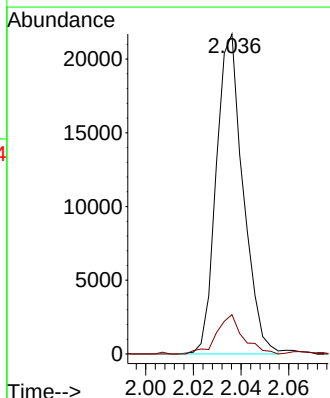
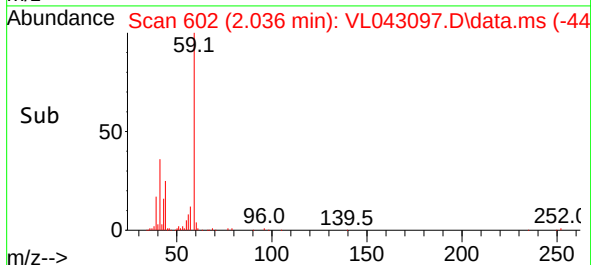
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

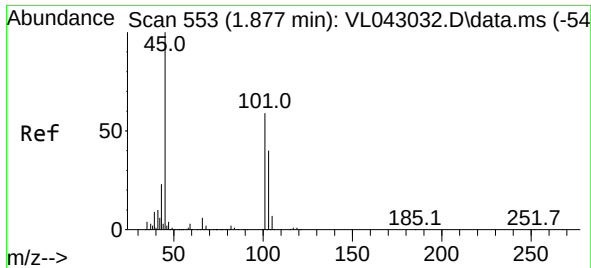


#17
tert-Butyl alcohol
Concen: 0.641 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39



Tgt Ion: 59 Resp: 17013
Ion Ratio Lower Upper
59 100
57 12.7 8.5 12.7





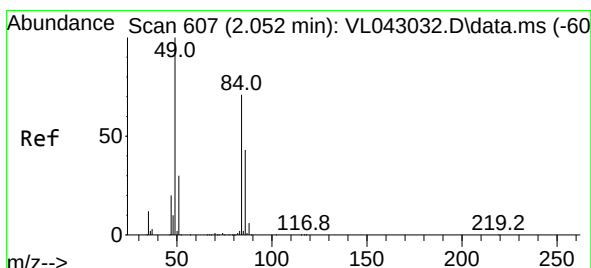
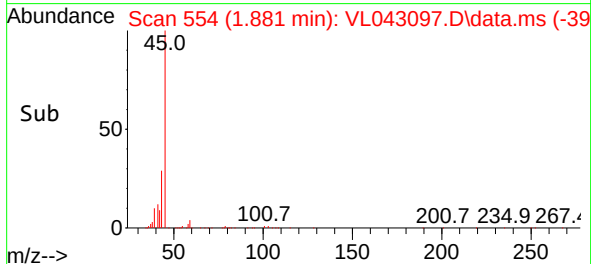
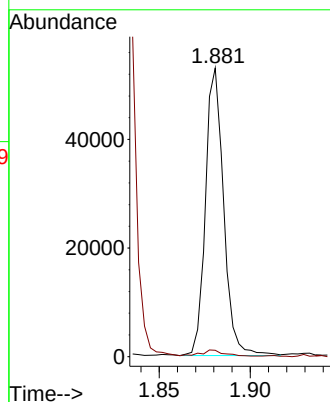
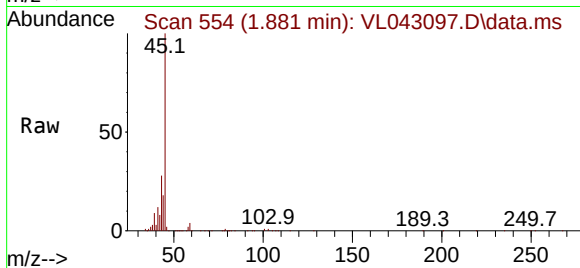
#19
Isopropyl Alcohol
Concen: 3.069 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 45 Resp: 3688
Ion Ratio Lower Upper
45 100
58 320.9 42.3 63.5

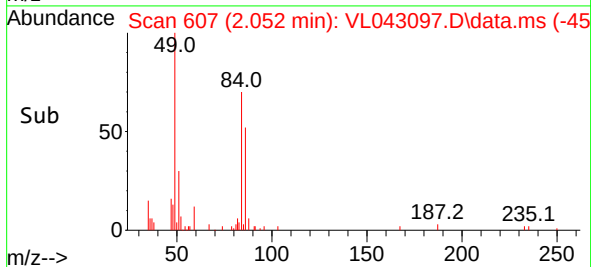
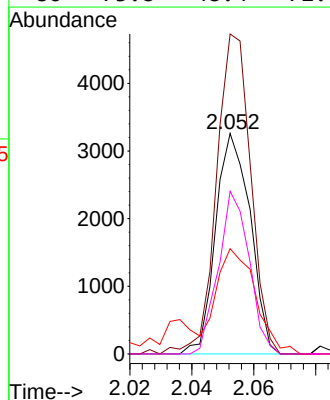
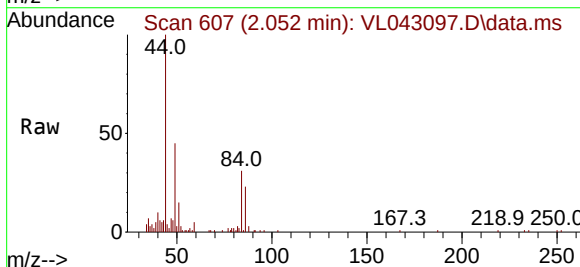
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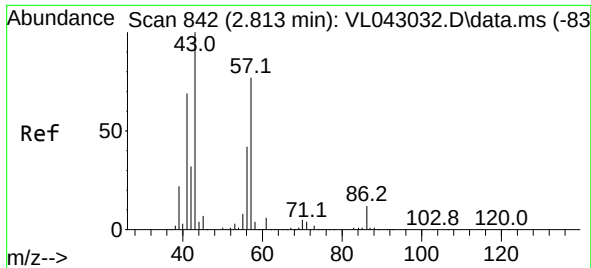
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.231 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

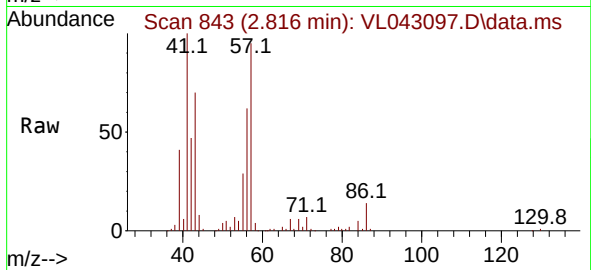
Tgt Ion: 84 Resp: 2526
Ion Ratio Lower Upper
84 100
49 145.1 112.5 168.7
51 45.0 34.2 51.2
86 73.8 48.4 72.6





#26
Hexane
Concen: 1.144 ppbv
RT: 2.816 min Scan# 842
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

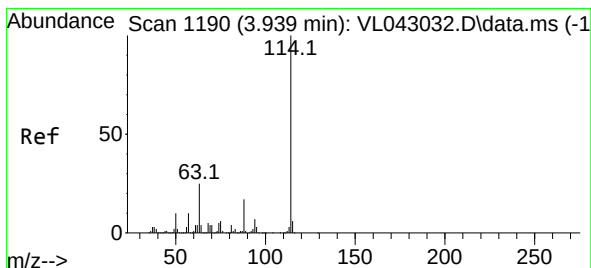
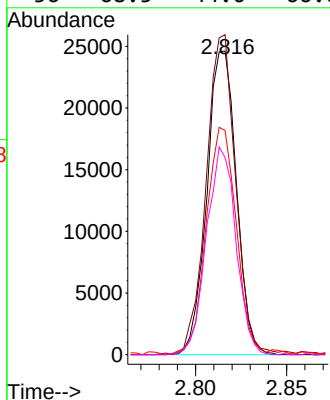
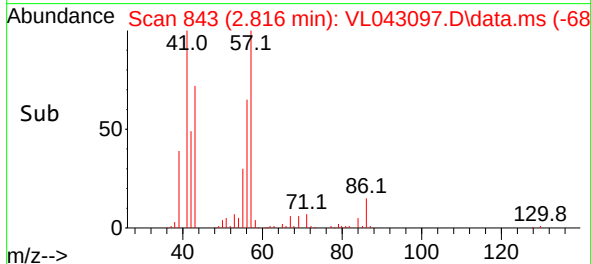
Instrument :
MSVOA_L
ClientSampleId :
SV6



Tgt Ion: 57 Resp: 27690
Ion Ratio Lower Upper
57 100
41 106.5 76.1 114.1
43 78.3 201.4 302.0
56 68.5 44.0 66.0#

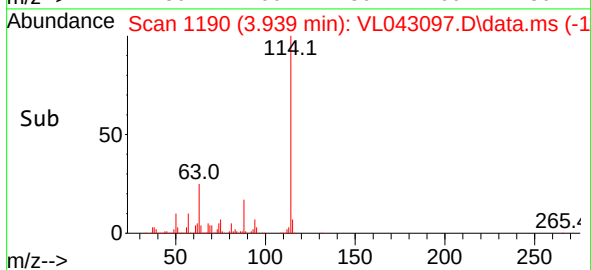
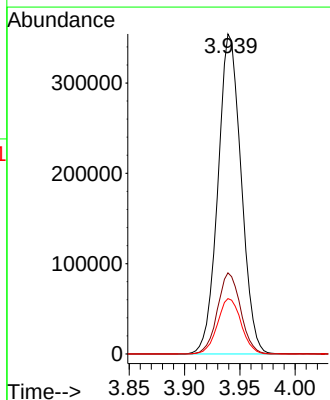
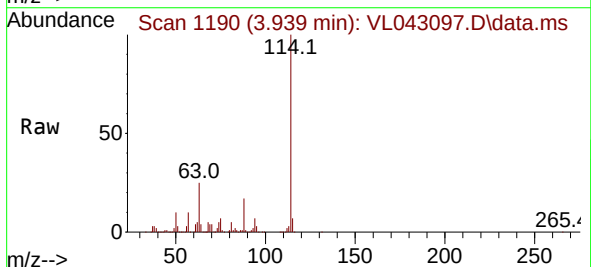
Manual Integrations
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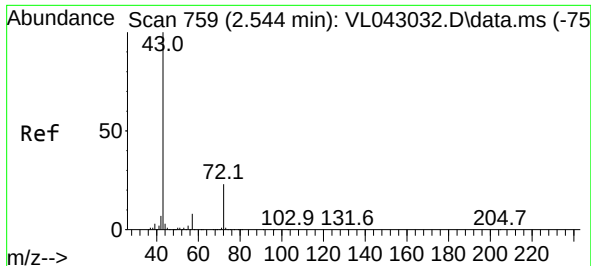
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Tgt Ion:114 Resp: 516837
Ion Ratio Lower Upper
114 100
63 25.3 19.4 29.2
88 17.6 13.9 20.9





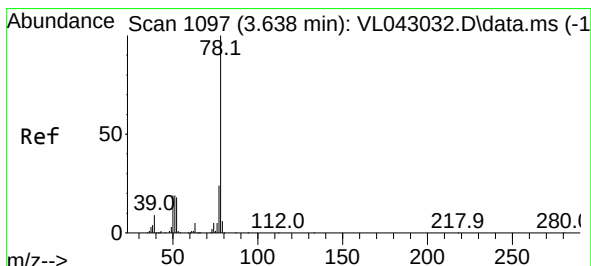
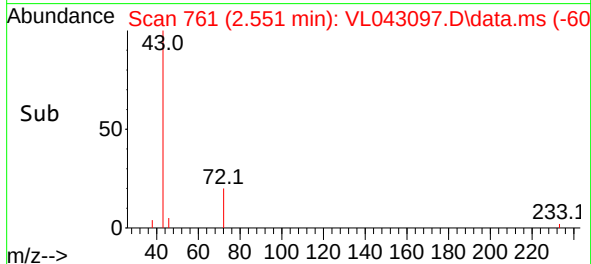
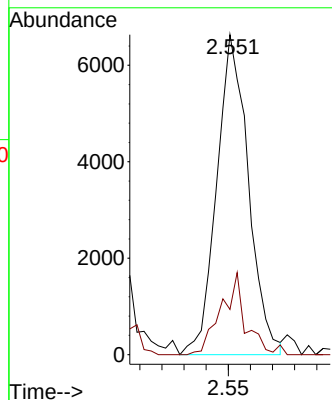
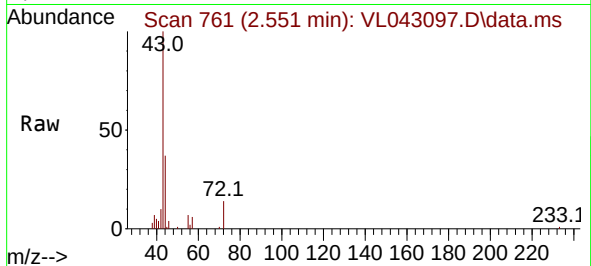
#34
2-Butanone
Concen: 0.188 ppbv
RT: 2.551 min Scan# 701
Delta R.T. 0.007 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Instrument :
MSVOA_L
ClientSampleId :
SV6

Tgt Ion: 43 Resp: 6599
Ion Ratio Lower Upper
43 100
72 20.1 18.4 27.6

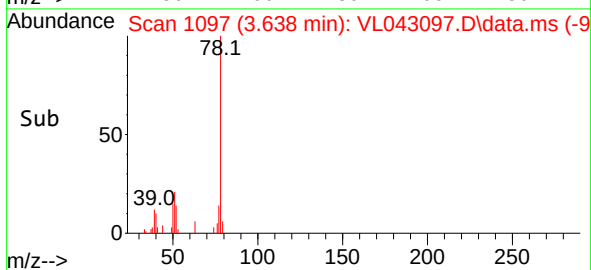
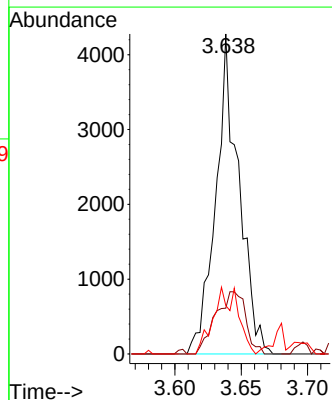
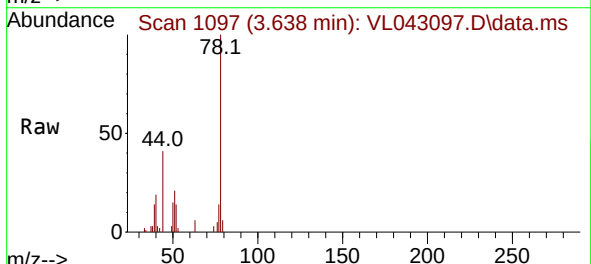
Manual Integrations
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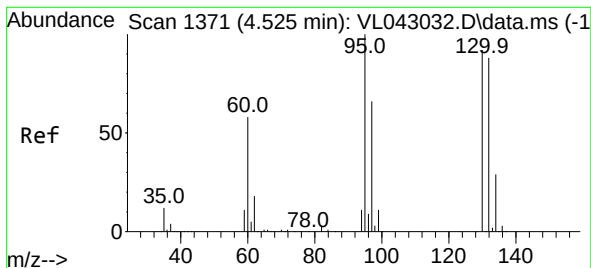
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
Benzene
Concen: 0.105 ppbv m
RT: 3.638 min Scan# 1097
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Tgt Ion: 78 Resp: 5173
Ion Ratio Lower Upper
78 100
77 14.3 19.2 28.8#
50 15.1 14.9 22.3





#38

Trichloroethene

Concen: 0.348 ppbv m

RT: 4.532 min Scan# 1371

Delta R.T. 0.007 min

Lab File: VL043097.D

Acq: 09 Oct 2025 20:39

Instrument :

MSVOA_L

ClientSampleId :

SV6

Tgt Ion:130 Resp: 7158

Ion Ratio Lower Upper

130 100

95 83.5 86.4 129.6

132 92.8 75.7 113.5

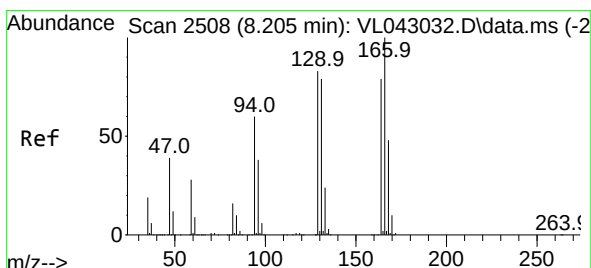
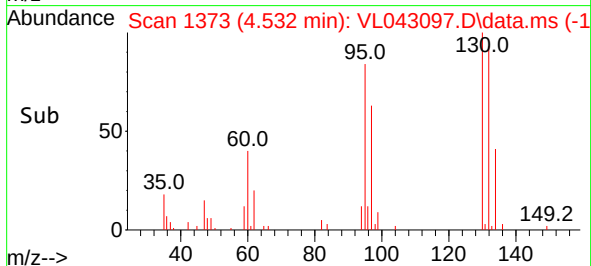
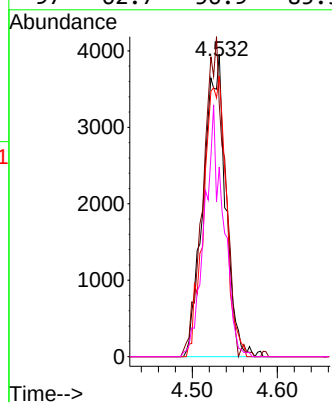
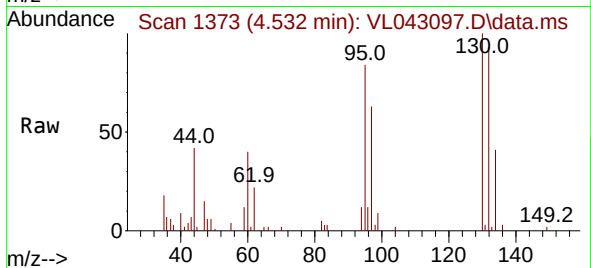
97 62.7 56.9 85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#52

Tetrachloroethene

Concen: 1.674 ppbv

RT: 8.205 min Scan# 2508

Delta R.T. 0.000 min

Lab File: VL043097.D

Acq: 09 Oct 2025 20:39

Tgt Ion:164 Resp: 30608

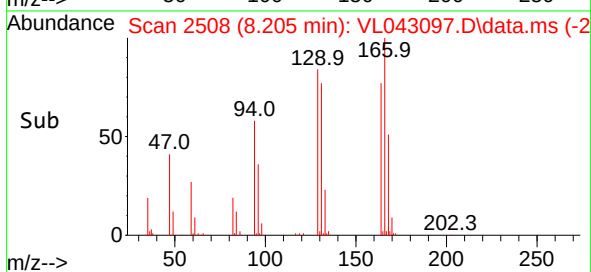
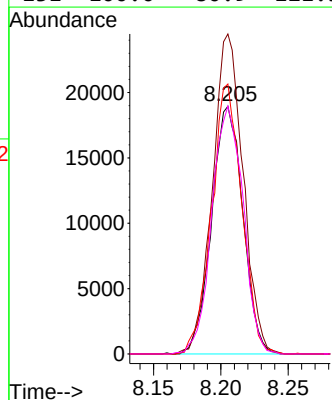
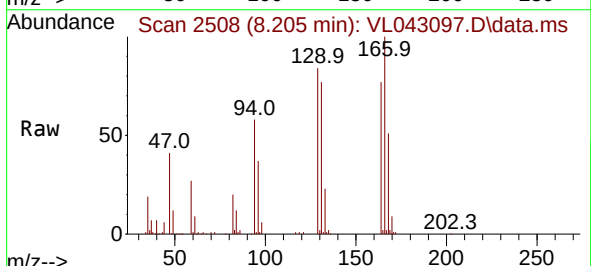
Ion Ratio Lower Upper

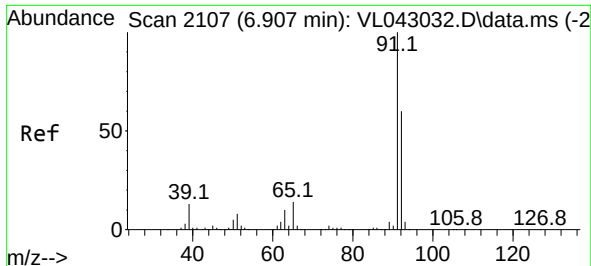
164 100

166 128.7 101.8 152.8

129 108.6 84.5 126.7

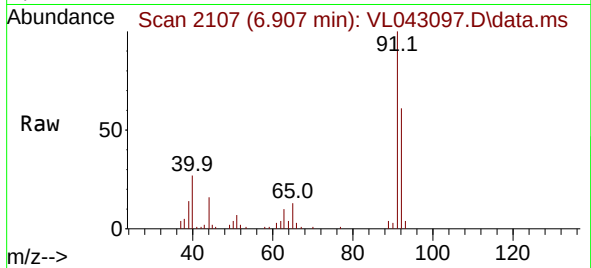
131 100.0 80.9 121.3





#53
Toluene
Concen: 0.340 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

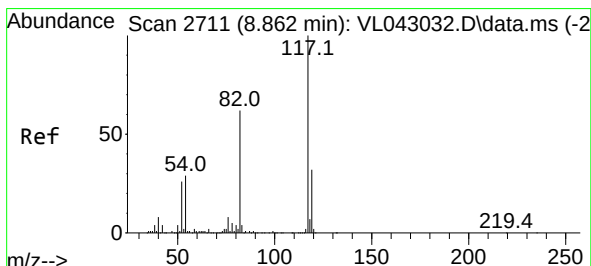
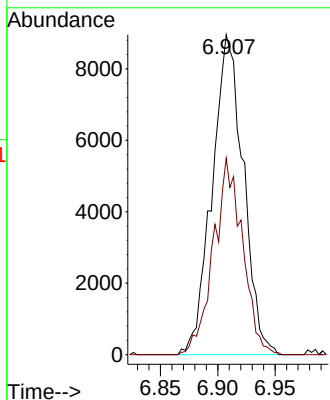
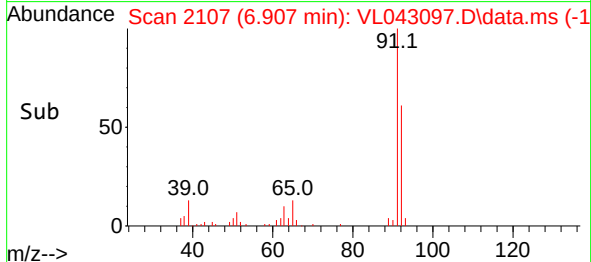
Instrument :
MSVOA_L
ClientSampleId :
SV6



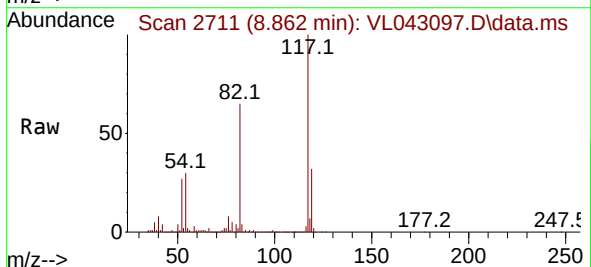
Tgt Ion: 91 Resp: 1695
Ion Ratio Lower Upper
91 100
92 57.2 47.8 71.6

Manual Integrations
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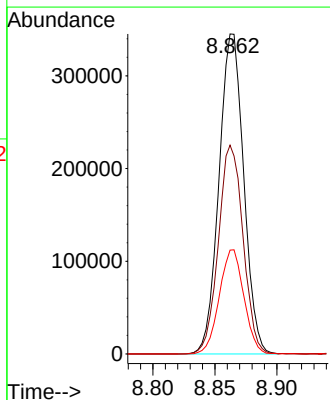
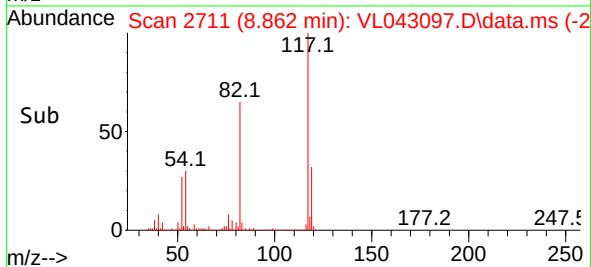
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

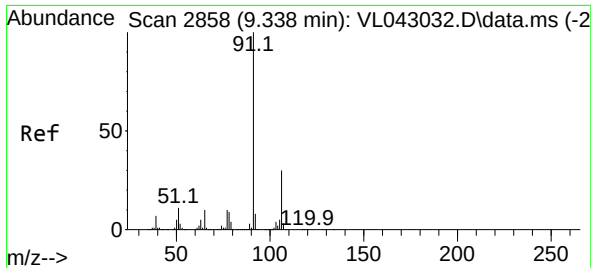


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39



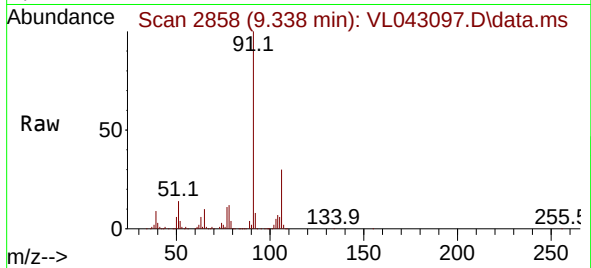
Tgt Ion:117 Resp: 480307
Ion Ratio Lower Upper
117 100
82 65.1 53.0 79.6
119 32.5 25.4 38.2





#58
Ethyl Benzene
Concen: 2.022 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

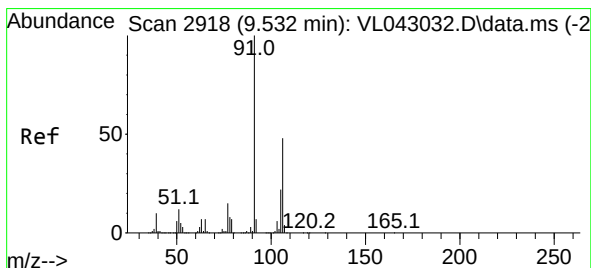
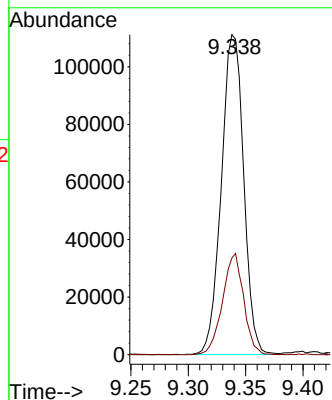
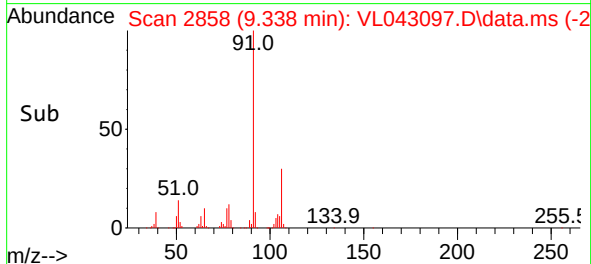
Instrument :
MSVOA_L
ClientSampleId :
SV6



Tgt Ion: 91 Resp: 150458
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

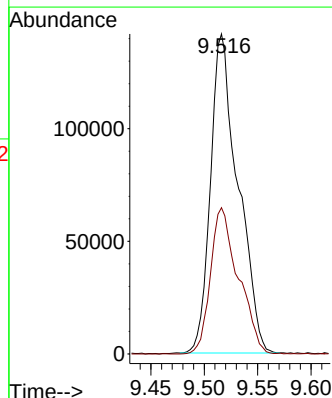
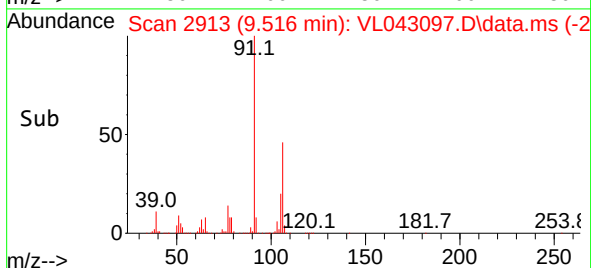
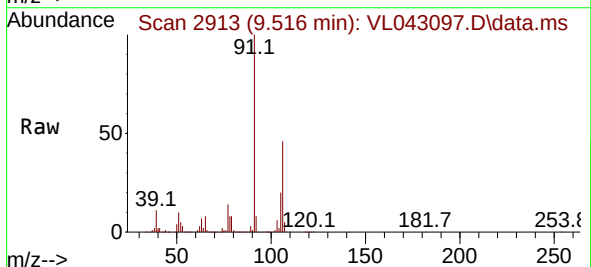
Manual Integrations
APPROVED

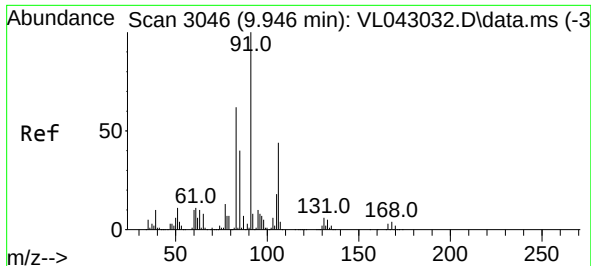
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 4.039 ppbv
RT: 9.516 min Scan# 2913
Delta R.T. -0.016 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

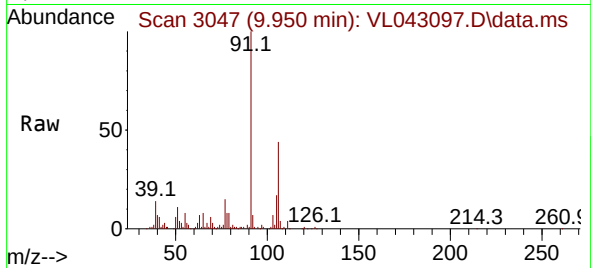
Tgt Ion: 91 Resp: 253469
Ion Ratio Lower Upper
91 100
106 46.7 37.5 56.3





#60
o-Xylene
Concen: 0.766 ppbv
RT: 9.950 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

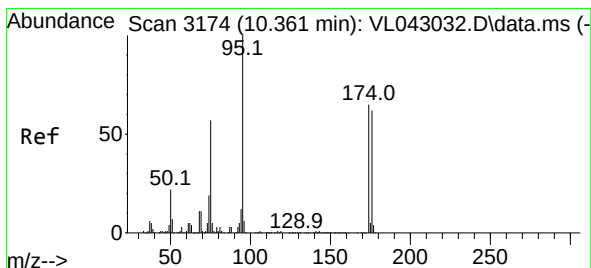
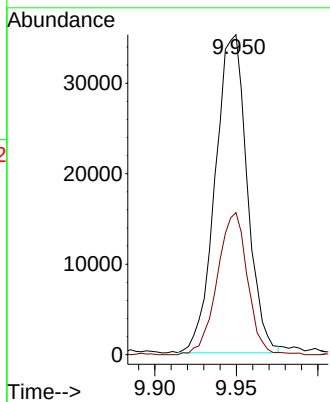
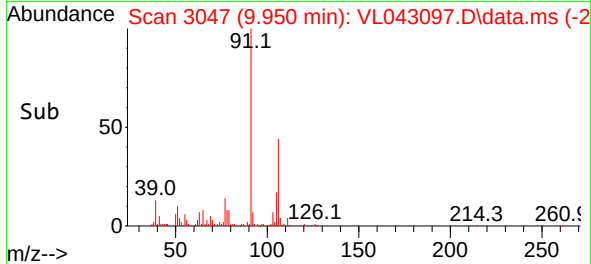
Instrument :
MSVOA_L
ClientSampleId :
SV6



Tgt Ion: 91 Resp: 47870
Ion Ratio Lower Upper
91 100
106 42.5 21.9 65.5

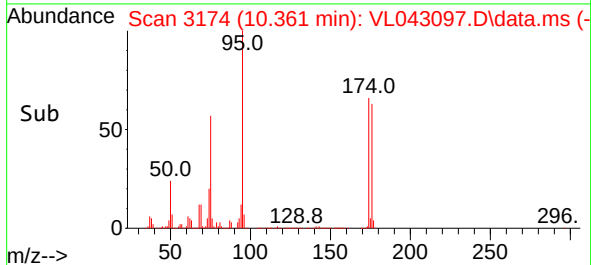
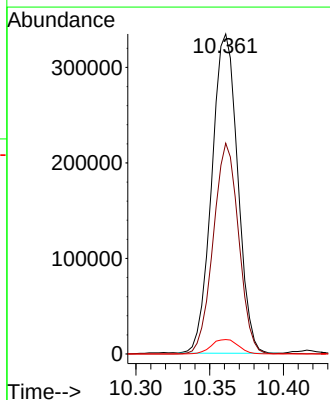
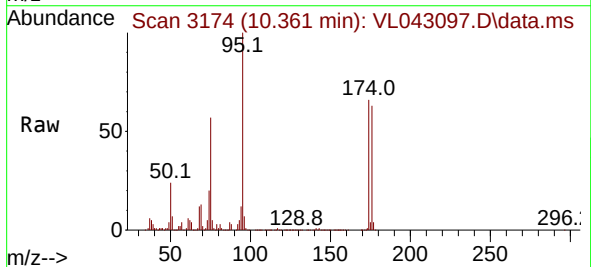
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.796 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VL043097.D
Acq: 09 Oct 2025 20:39

Tgt Ion: 95 Resp: 408138
Ion Ratio Lower Upper
95 100
174 64.8 52.3 78.5
175 4.8 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-12DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043092.D	10		10/09/25 17:17	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0
75-65-0	tert-Butyl alcohol	3.20	9.70	JD	4.85	15.2
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8
67-64-1	Acetone	78.8	187	D	4.28	11.9
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2
78-93-3	2-Butanone	0.56	1.65	UD	1.65	14.8
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8
67-66-3	Chloroform	0.96	4.69	UD	4.69	24.4
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	0.87	1.64
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2
79-01-6	Trichloroethene	1.80	9.67	D	1.29	1.61
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5
108-88-3	Toluene	1.60	6.03	JD	6.03	18.8
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-12DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043092.D	10		10/09/25 17:17	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69
127-18-4	Tetrachloroethene	7.80	52.9	D	1.02	2.03
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0
100-41-4	Ethyl Benzene	7.80	33.9	D	8.25	21.7
179601-23-1	m/p-Xylene	15.6	67.8	D	17.8	43.4
95-47-6	o-Xylene	3.20	13.9	JD	9.12	21.7
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6
110-54-3	Hexane	5.00	17.6	D	5.64	17.6
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.6			65 - 135	116% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	192000		2.774		
540-36-3	1,4-Difluorobenzene	513000		3.936		
3114-55-4	Chlorobenzene-d5	466000		8.862		

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	SV6DL	SDG No.:	Q3320
Lab Sample ID:	Q3320-12DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043092.D	10		10/09/25 17:17	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043092.D
 Acq On : 09 Oct 2025 17:17
 Operator : SY/MD
 Sample : Q3320-12DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:18:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	192317	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	513474	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	466022	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	390643	11.636	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	4105	7.690	ppbv #	31
15) Acetone	1.829	43	212161	7.879	ppbv	99
17) tert-Butyl alcohol	2.033	59	9089	0.319	ppbv #	91
19) Isopropyl Alcohol	1.877	45	19030	1.475	ppbv #	1
20) Methylene Chloride	2.052	84	2400	0.204	ppbv #	86
26) Hexane	2.810	57	12903	0.497	ppbv #	32
38) Trichloroethene	4.519	130	3573m	0.175	ppbv	
52) Tetrachloroethene	8.205	164	14210	0.782	ppbv	97
53) Toluene	6.907	91	7891	0.159	ppbv	97
58) Ethyl Benzene	9.335	91	56595	0.784	ppbv	92
59) m/p-Xylene	9.513	91	94743	1.556	ppbv	98
60) o-Xylene	9.946	91	19175	0.316	ppbv	98

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

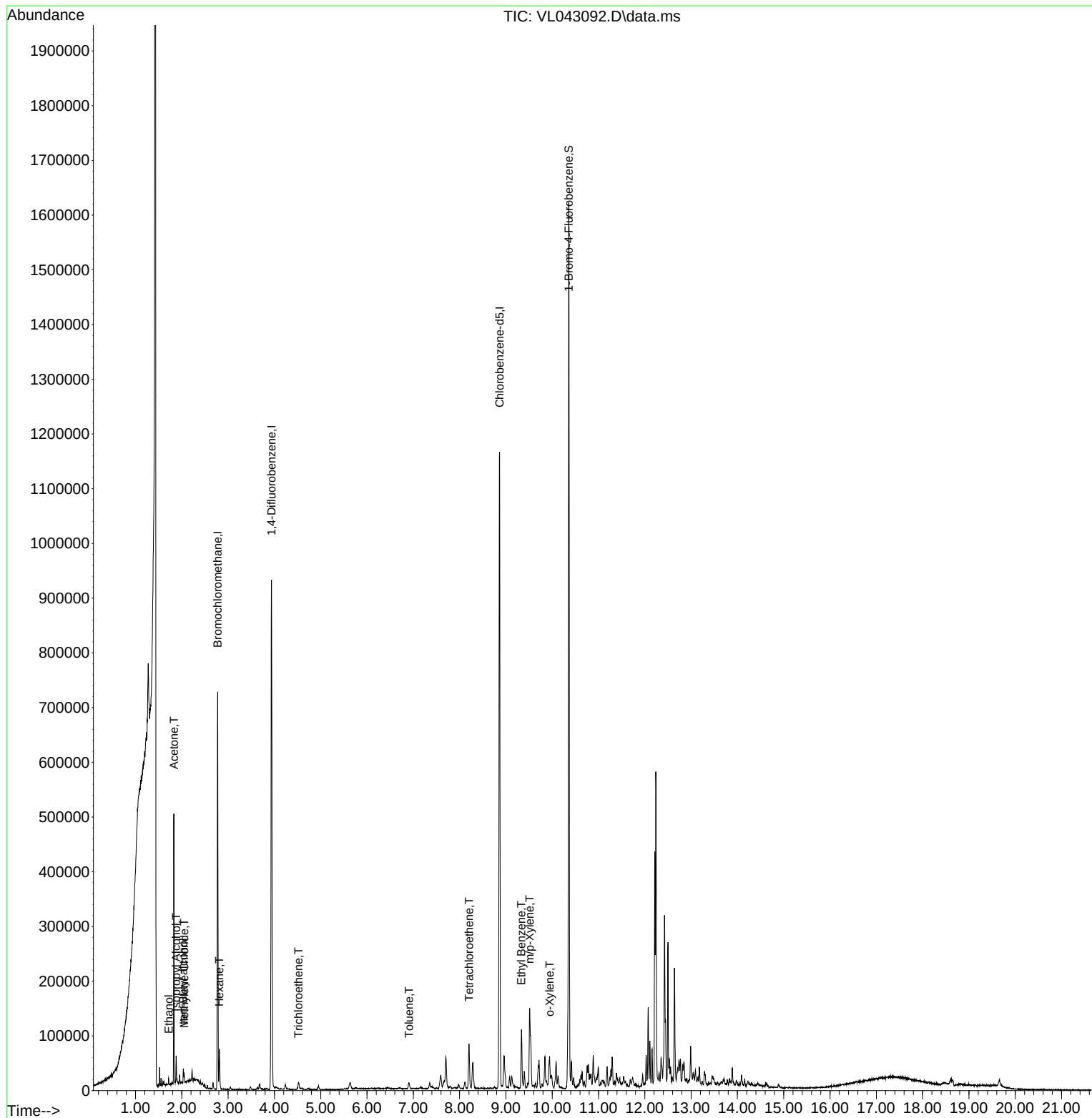
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043092.D
Acq On : 09 Oct 2025 17:17
Operator : SY/MD
Sample : Q3320-12DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

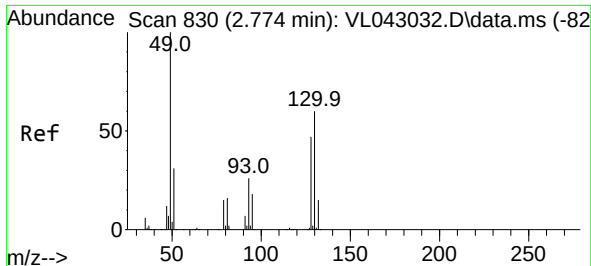
Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025
Supervised By : Mahesh Dadoda 10/10/2025

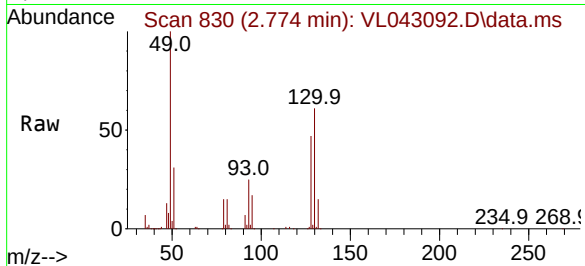
Quant Time: Oct 09 22:18:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 830
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

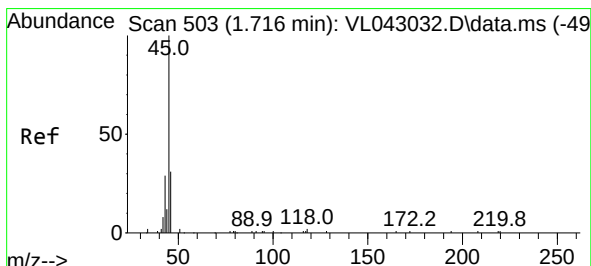
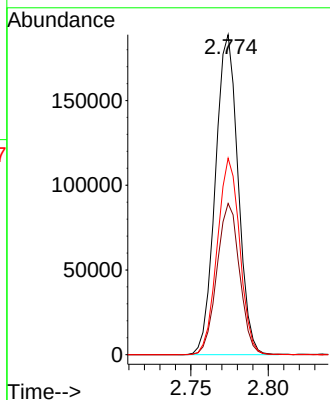
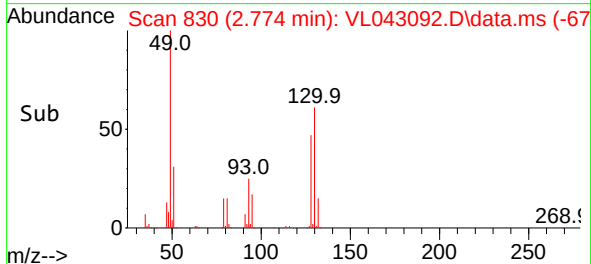
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 49 Resp: 19231
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.2
130 60.9 31.4 94.3

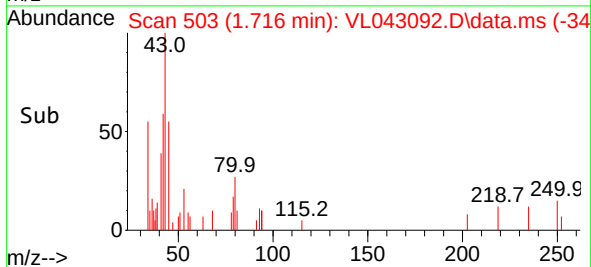
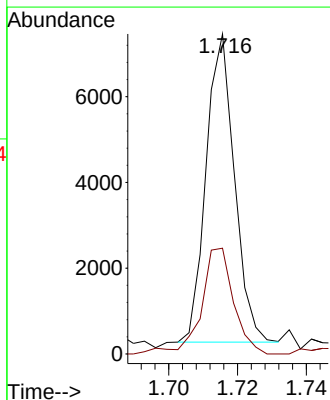
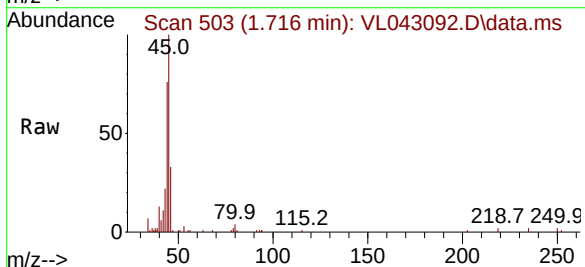
Manual Integrations
APPROVED

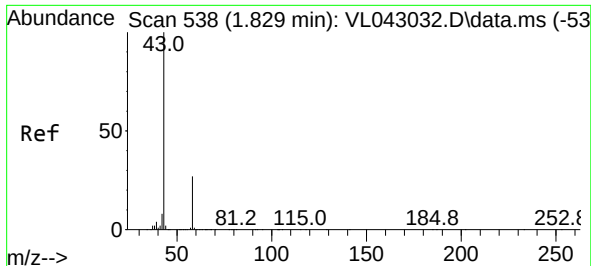
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 7.690 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

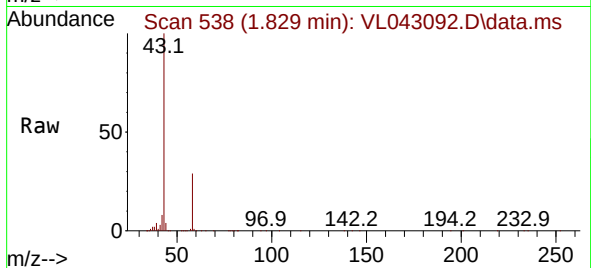
Tgt Ion: 45 Resp: 4105
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 7.879 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

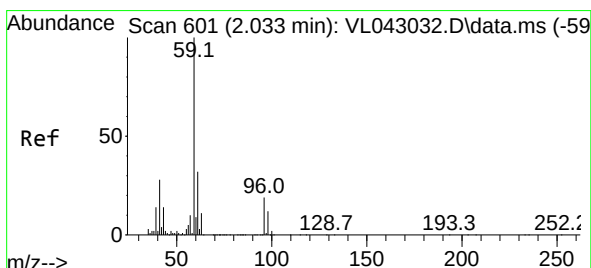
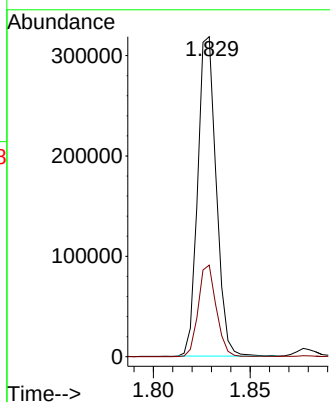
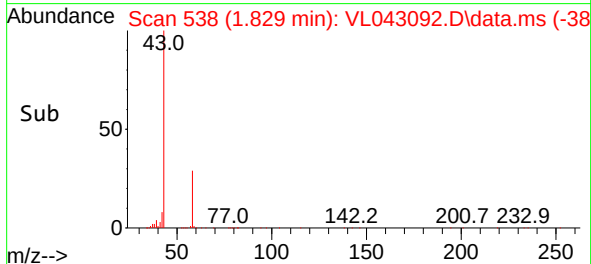
Instrument : MSVOA_L
ClientSampleId : SV6DL



Tgt Ion: 43 Resp: 21216
Ion Ratio Lower Upper
43 100
58 28.1 22.2 33.4

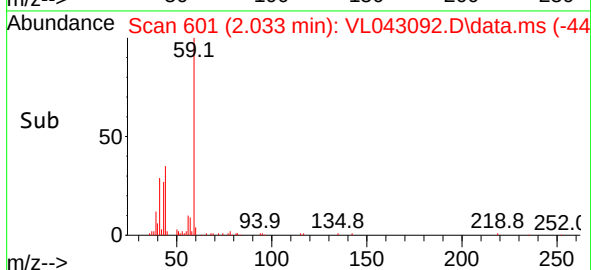
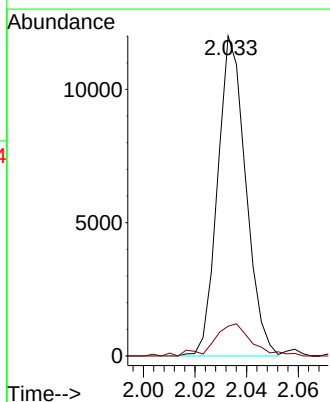
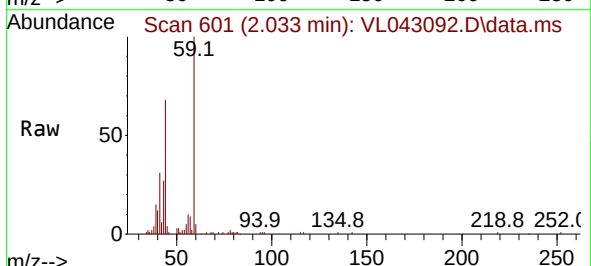
Manual Integrations
APPROVED

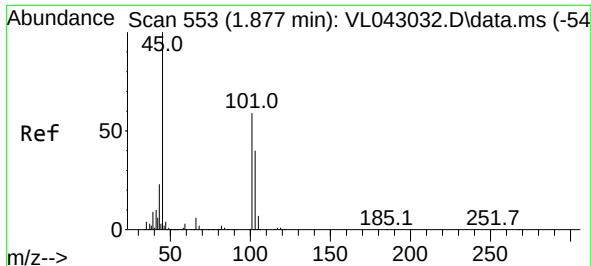
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#17
tert-Butyl alcohol
Concen: 0.319 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

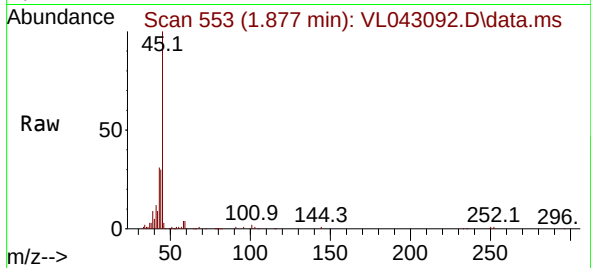
Tgt Ion: 59 Resp: 9089
Ion Ratio Lower Upper
59 100
57 13.8 8.5 12.7





#19
Isopropyl Alcohol
Concen: 1.475 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

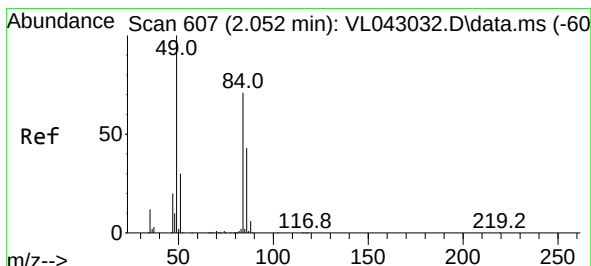
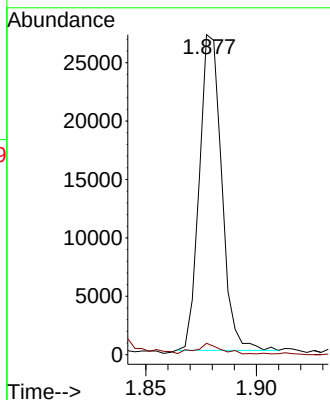
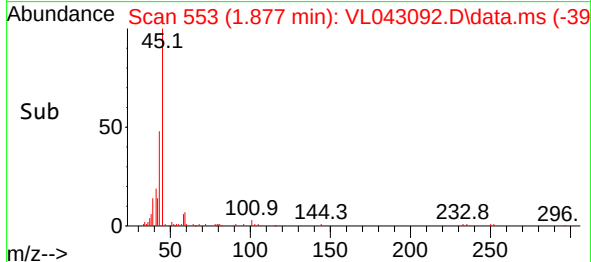
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



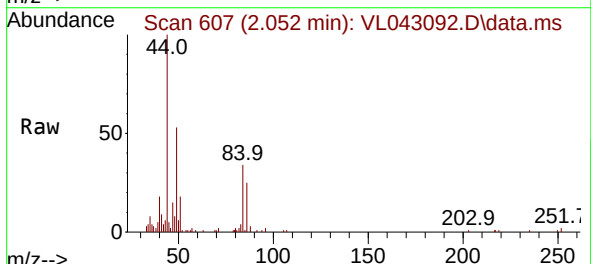
Tgt Ion: 45 Resp: 19030
Ion Ratio Lower Upper
45 100
58 312.9 42.3 63.5

Manual Integrations
APPROVED

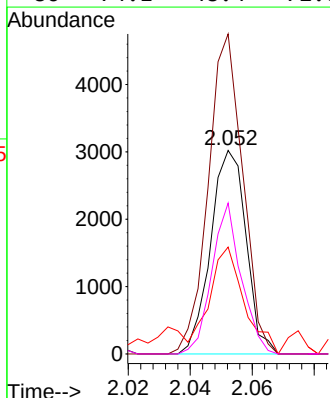
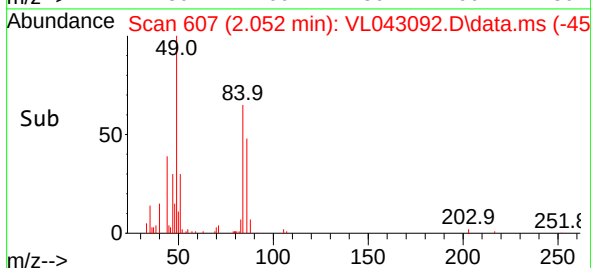
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

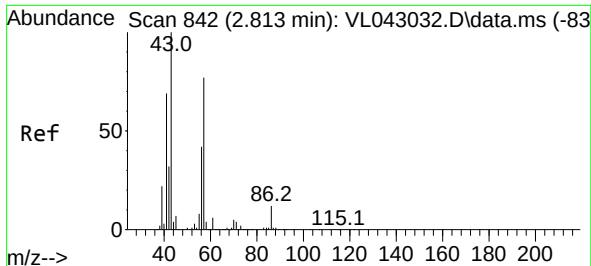


#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17



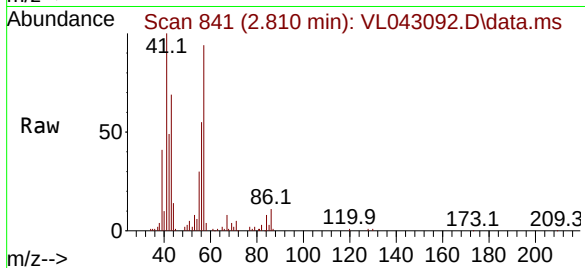
Tgt Ion: 84 Resp: 2400
Ion Ratio Lower Upper
84 100
49 155.0 112.5 168.7
51 52.5 34.2 51.2#
86 74.1 48.4 72.6#





#26
Hexane
Concen: 0.497 ppbv
RT: 2.810 min Scan# 842
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

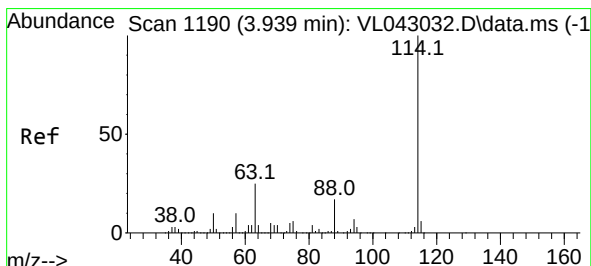
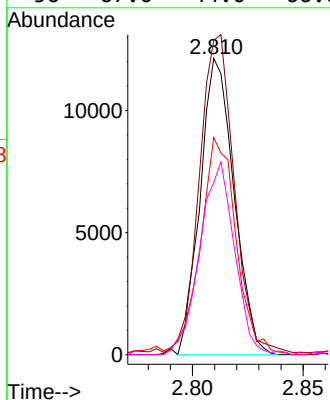
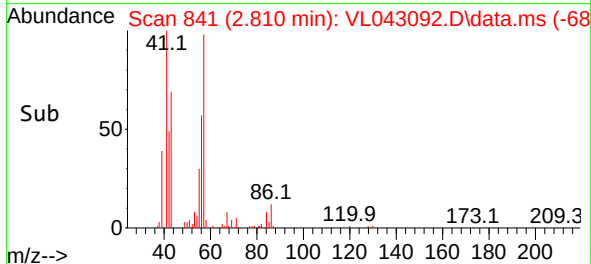
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



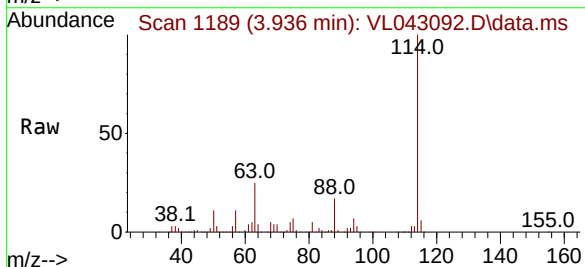
Tgt Ion: 57 Resp: 1290
Ion Ratio Lower Upper
57 100
41 114.8 76.1 114.1
43 81.0 201.4 302.0
56 67.0 44.0 66.0

Manual Integrations
APPROVED

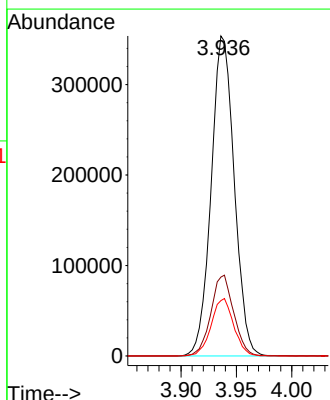
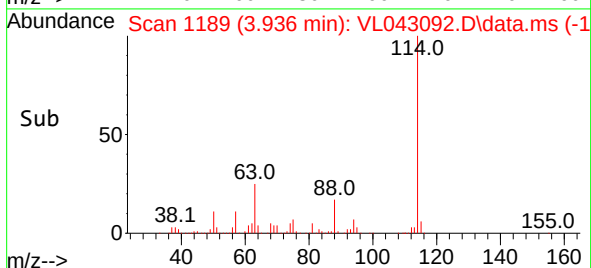
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

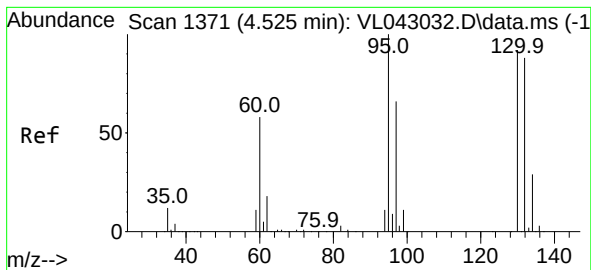


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17



Tgt Ion:114 Resp: 513474
Ion Ratio Lower Upper
114 100
63 25.1 19.4 29.2
88 17.5 13.9 20.9





#38

Trichloroethene

Concen: 0.175 ppbv m

RT: 4.519 min Scan# 1369

Delta R.T. -0.007 min

Lab File: VL043092.D

Acq: 09 Oct 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

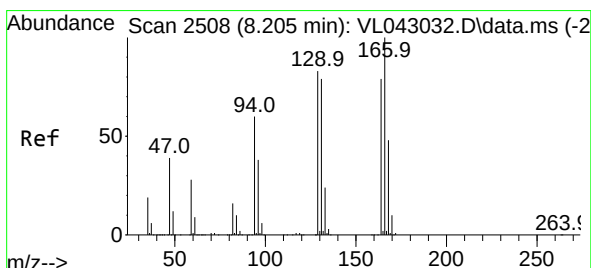
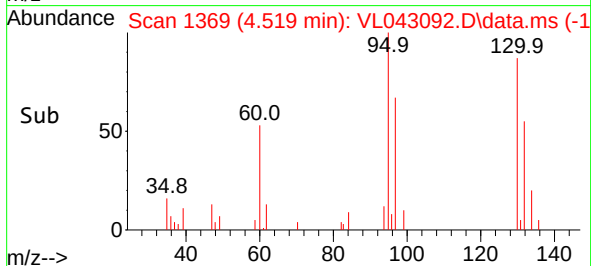
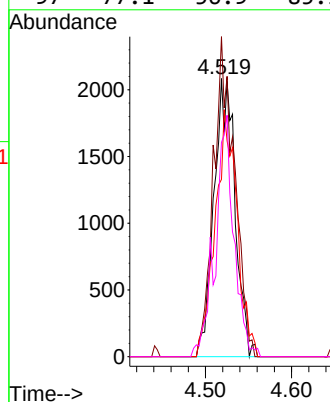
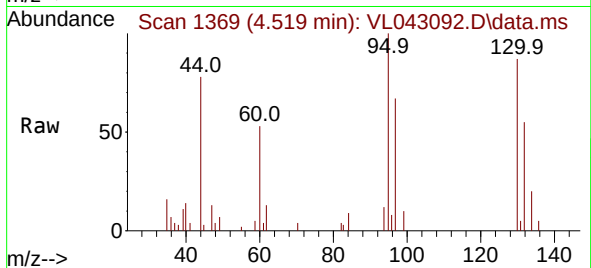
Tgt Ion:130 Resp: 357

Ion	Ratio	Lower	Upper
130	100		
95	115.1	86.4	129.6
132	63.8	75.7	113.5
97	77.1	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52

Tetrachloroethene

Concen: 0.782 ppbv

RT: 8.205 min Scan# 2508

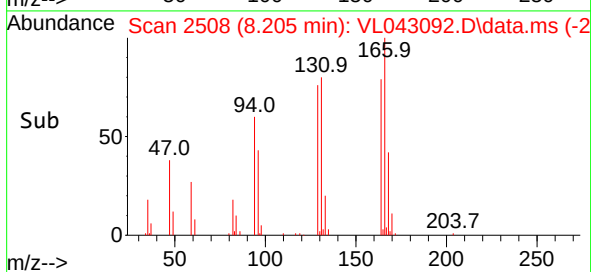
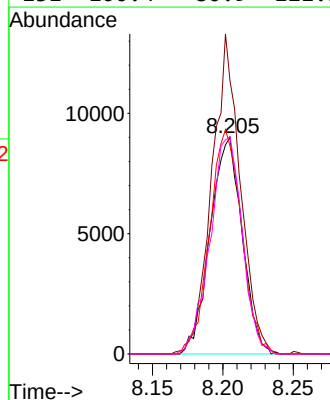
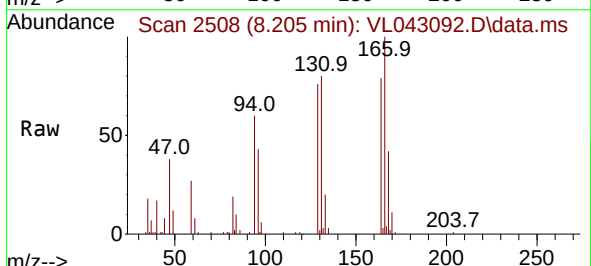
Delta R.T. -0.000 min

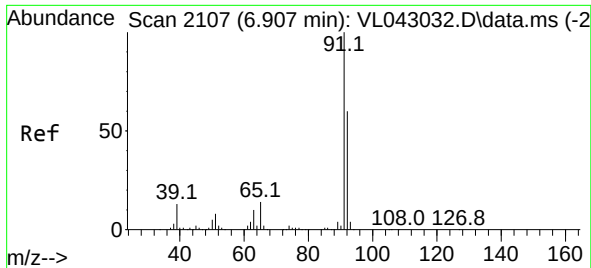
Lab File: VL043092.D

Acq: 09 Oct 2025 17:17

Tgt Ion:164 Resp: 14210

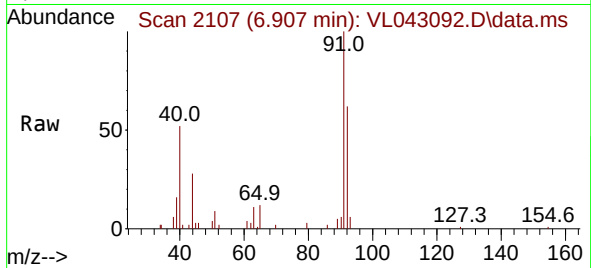
Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.8	152.8
129	96.1	84.5	126.7
131	100.4	80.9	121.3





#53
Toluene
Concen: 0.159 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

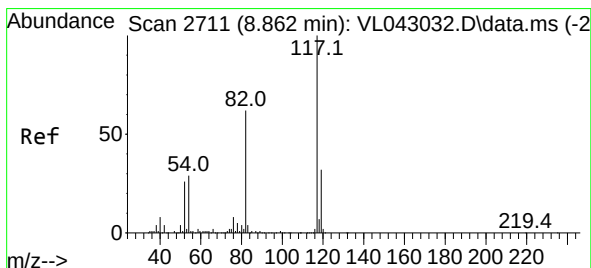
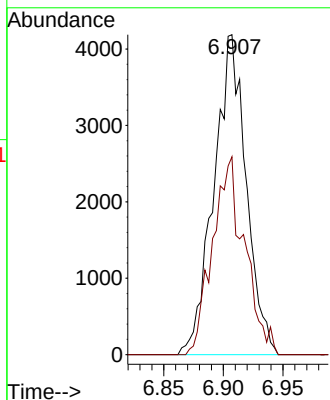
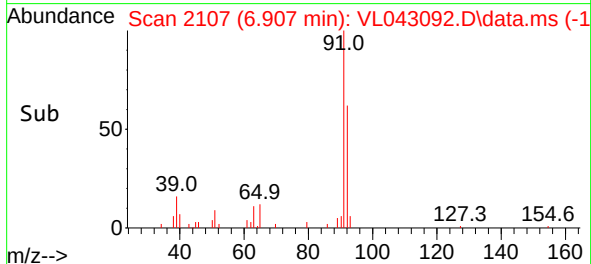
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 91 Resp: 789
Ion Ratio Lower Upper
91 100
92 61.6 47.8 71.6

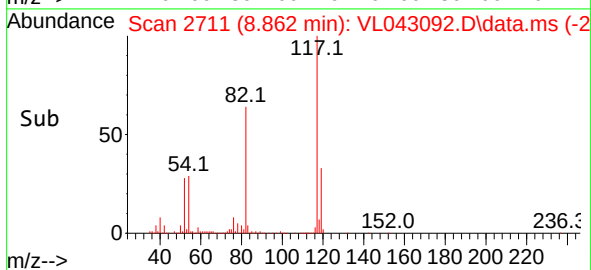
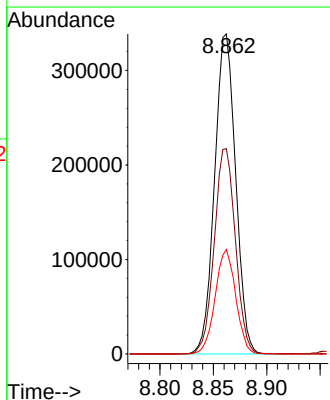
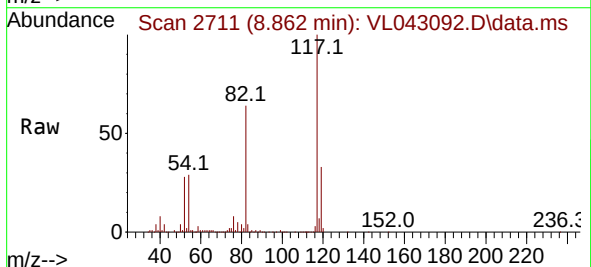
Manual Integrations
APPROVED

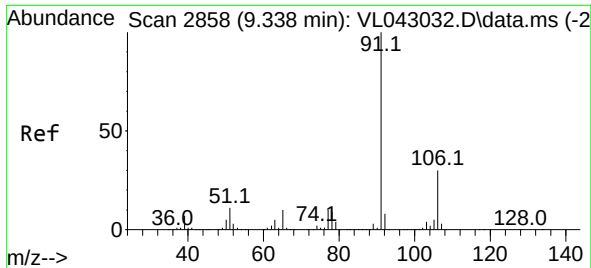
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:117 Resp: 466022
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.6
119 31.8 25.4 38.2





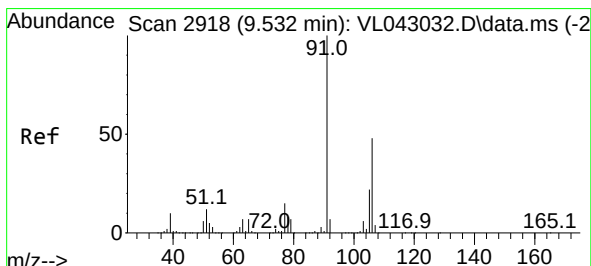
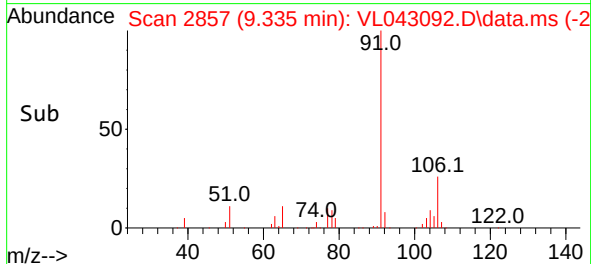
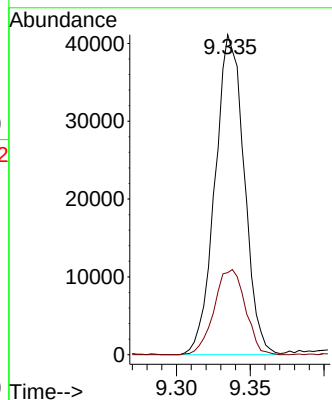
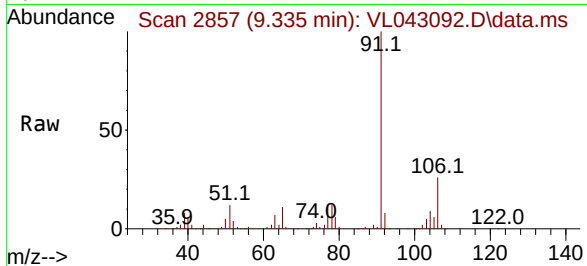
#58
Ethyl Benzene
Concen: 0.784 ppbv
RT: 9.335 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 91 Resp: 5659
Ion Ratio Lower Upper
91 100
106 25.7 24.1 36.1

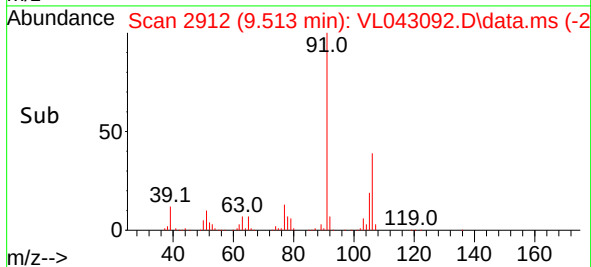
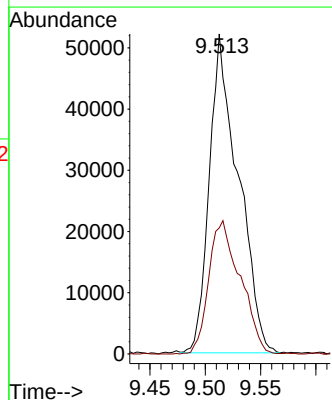
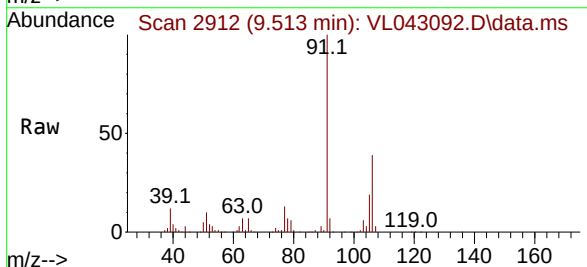
Manual Integrations
APPROVED

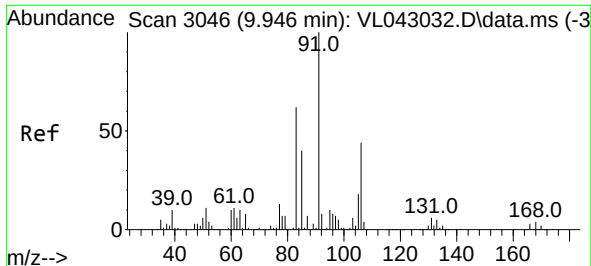
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 1.556 ppbv
RT: 9.513 min Scan# 2912
Delta R.T. -0.019 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

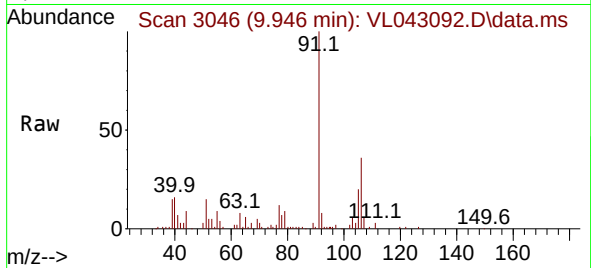
Tgt Ion: 91 Resp: 94743
Ion Ratio Lower Upper
91 100
106 45.7 37.5 56.3





#60
o-Xylene
Concen: 0.316 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

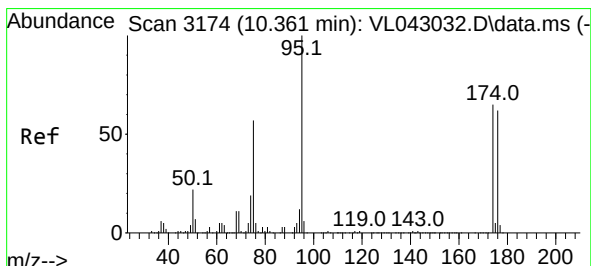
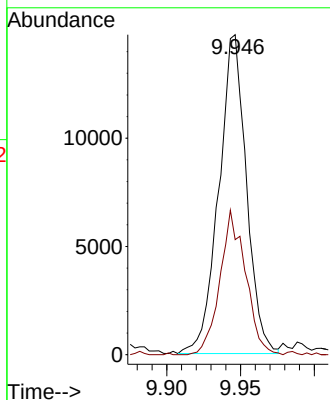
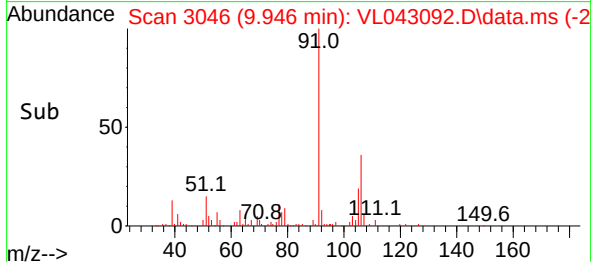
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 91 Resp: 1917
Ion Ratio Lower Upper
91 100
106 42.6 21.9 65.5

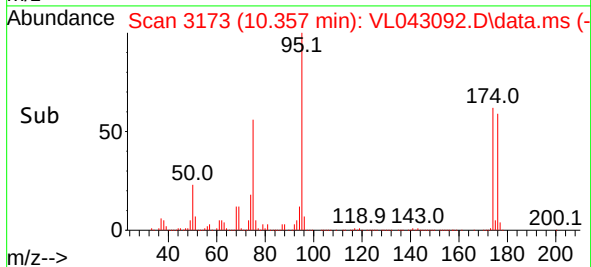
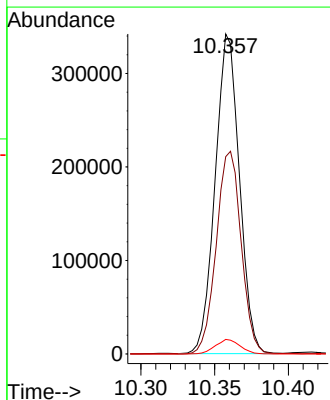
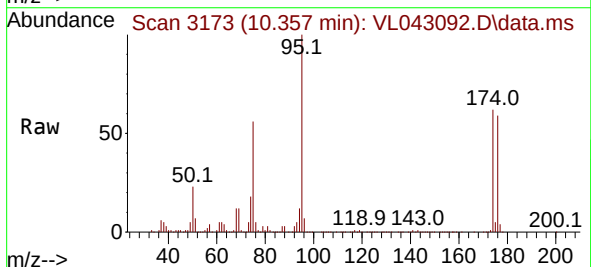
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.636 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 95 Resp: 390643
Ion Ratio Lower Upper
95 100
174 65.4 52.3 78.5
175 4.6 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	OA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-13	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043070.D	1		10/08/25 22:10	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.47	2.32	J	0.54	2.47
74-87-3	Chloromethane	0.44	0.91	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	3.40	8.08		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.70	2.43		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.14	0.41	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.080	0.50		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	OA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-13	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043070.D	1		10/08/25 22:10	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.34	1.20	J	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.80		65 - 135	98%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	172000	2.784
540-36-3	1,4-Difluorobenzene	451000	3.955
3114-55-4	Chlorobenzene-d5	353000	8.878

Report of Analysis

Client:	GFE LLC	Date Collected:	10/08/25
Project:	200 Reservoir St, Trenton NJ	Date Received:	10/08/25
Client Sample ID:	OA1	SDG No.:	Q3320
Lab Sample ID:	Q3320-13	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043070.D	1		10/08/25 22:10	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043070.D
 Acq On : 08 Oct 2025 22:10
 Operator : SY/MD
 Sample : Q3320-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:24:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	172065	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	450631	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.878	117	352768	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	249094	9.802	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	13542	0.467	ppbv	99
3) Chlorodifluoromethane	1.476	51	9930m	0.354	ppbv	
4) Chloromethane	1.531	50	4682	0.442	ppbv	92
9) Propene	1.489	41	4700	0.415	ppbv	84
11) Trichlorofluoromethane	1.878	101	6729	0.226	ppbv	87
13) Ethanol	1.722	45	9891	22.860	ppbv #	31
15) Acetone	1.835	43	82318	3.417	ppbv	100
20) Methylene Chloride	2.062	84	7340	0.698	ppbv	97
26) Hexane	2.826	57	7831	0.337	ppbv #	33
34) 2-Butanone	2.557	43	4241	0.139	ppbv	97
35) Carbon Tetrachloride	3.761	117	2800m	0.076	ppbv	

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

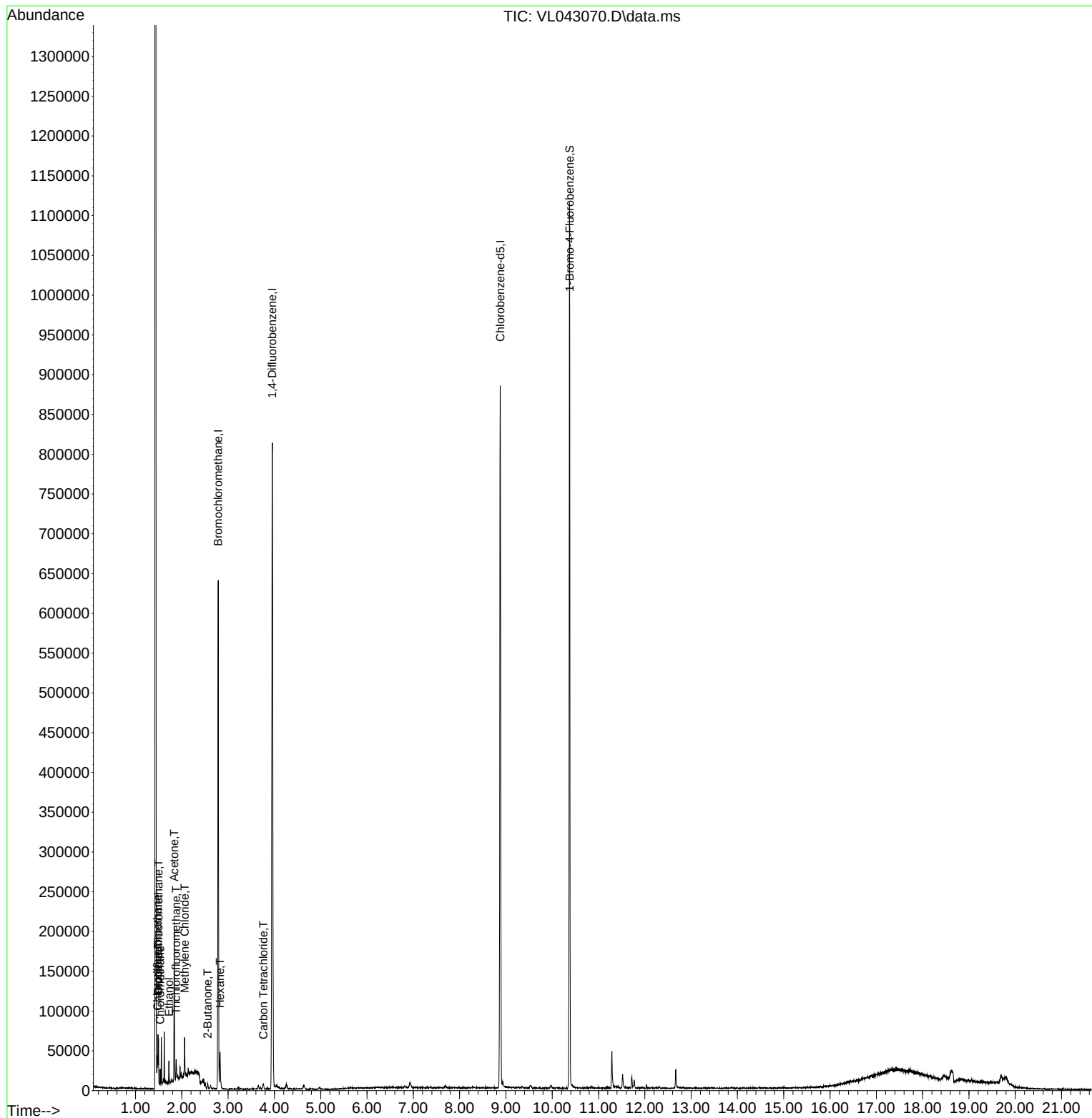
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Data File : VL043070.D
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Operator : SY/MD
Sample : Q3320-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

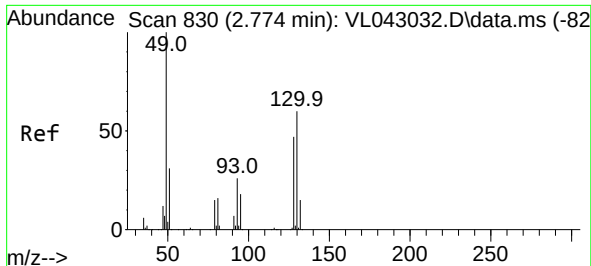
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Oct 09 01:24:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

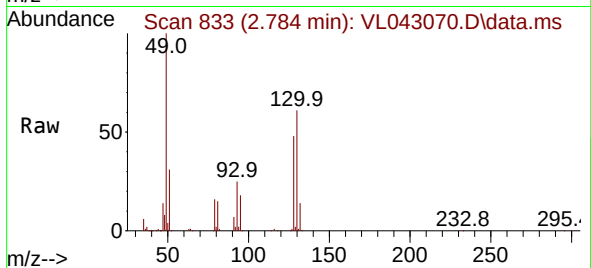
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

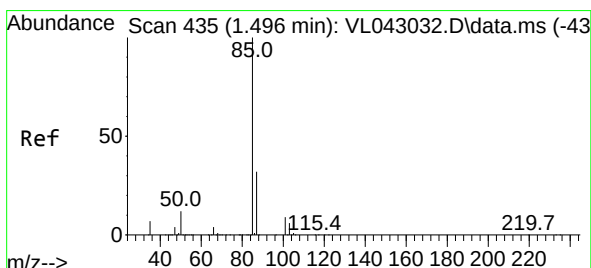
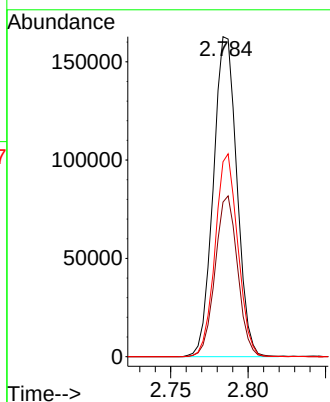
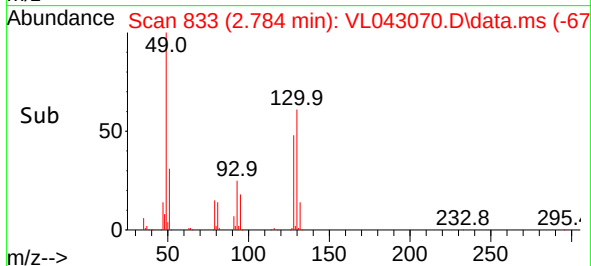
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 17206
Ion Ratio Lower Upper
49 100
128 48.0 24.1 72.2
130 61.1 31.4 94.3

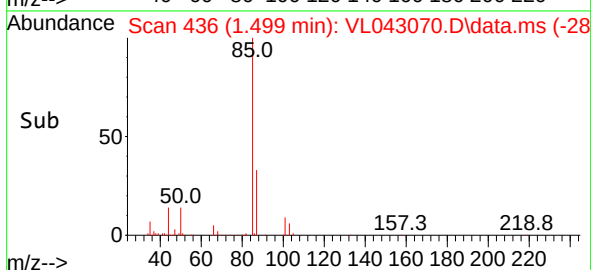
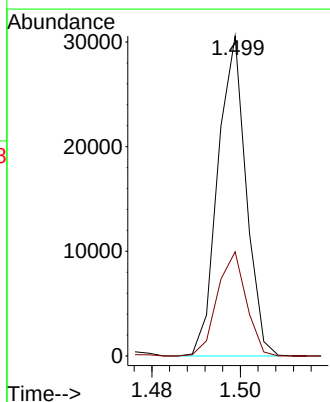
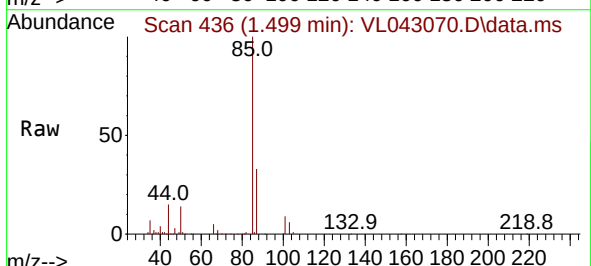
Manual Integrations
APPROVED

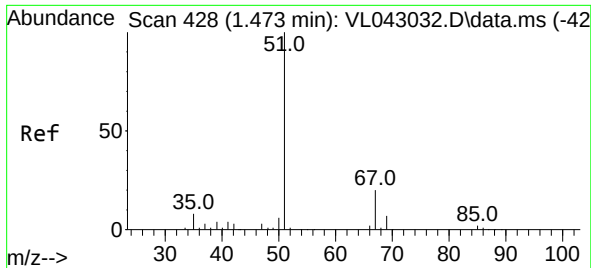
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.467 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

Tgt Ion: 85 Resp: 13542
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6





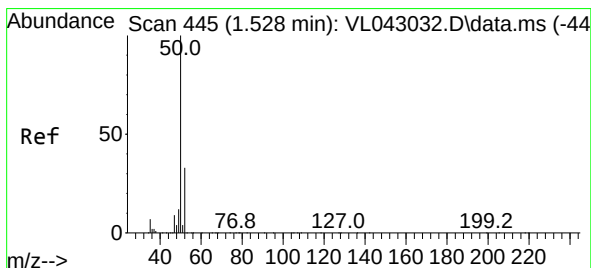
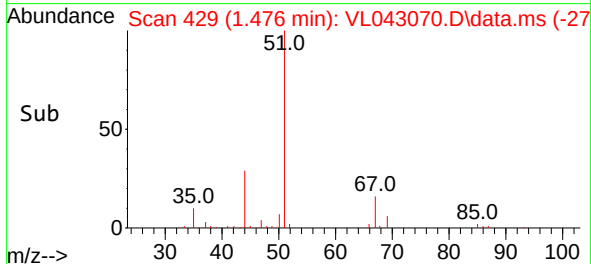
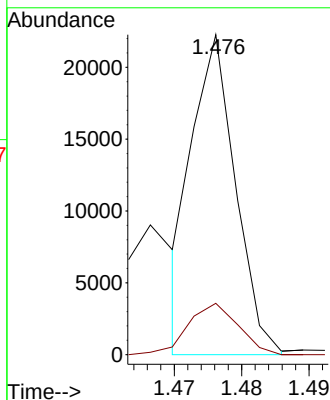
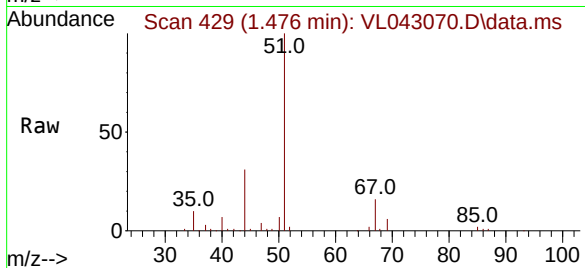
#3
Chlorodifluoromethane
Concen: 0.354 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 9930
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7

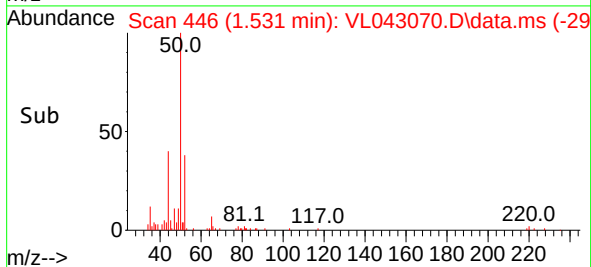
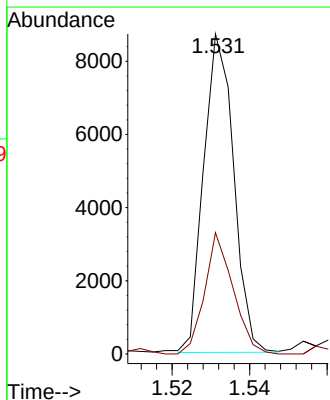
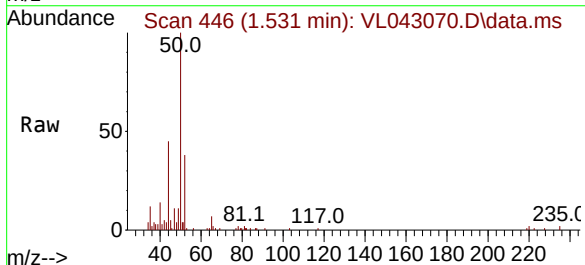
Manual Integrations
APPROVED

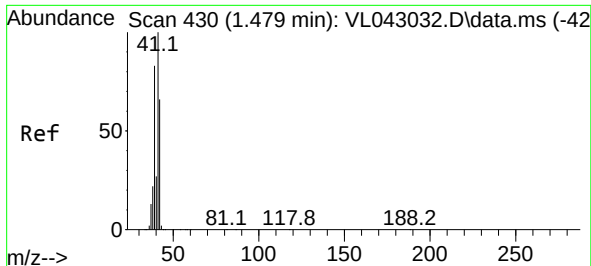
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 0.442 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

Tgt Ion: 50 Resp: 4682
Ion Ratio Lower Upper
50 100
52 37.0 26.2 39.2





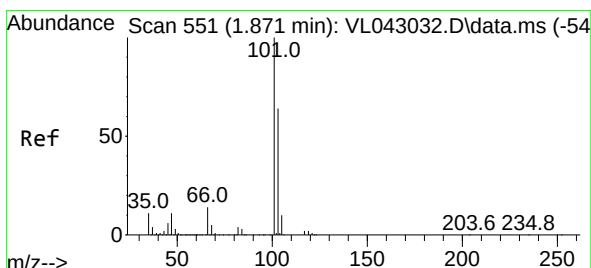
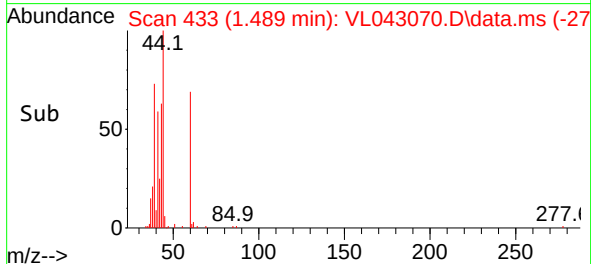
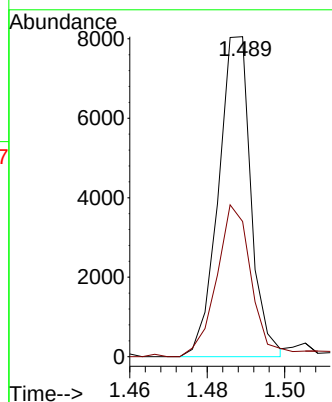
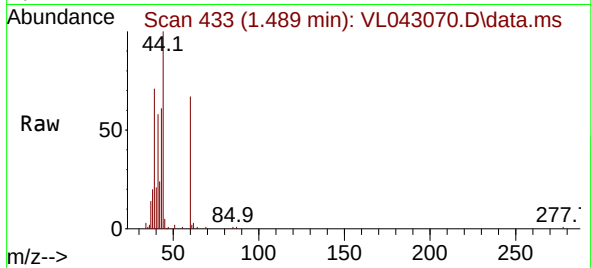
#9
 Propene
 Concen: 0.415 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL043070.D
 Acq: 08 Oct 2025 22:10

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Tgt Ion: 41 Resp: 4700
 Ion Ratio Lower Upper
 41 100
 42 53.5 53.3 79.9

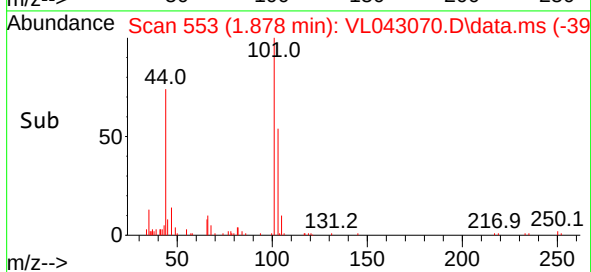
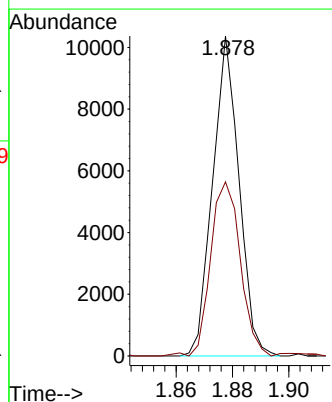
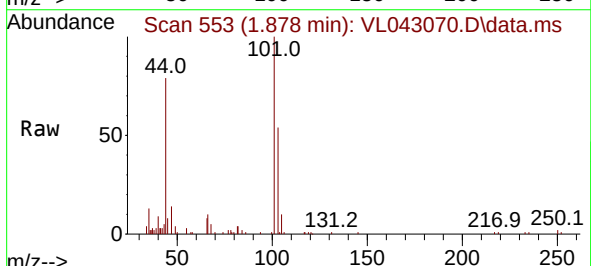
Manual Integrations
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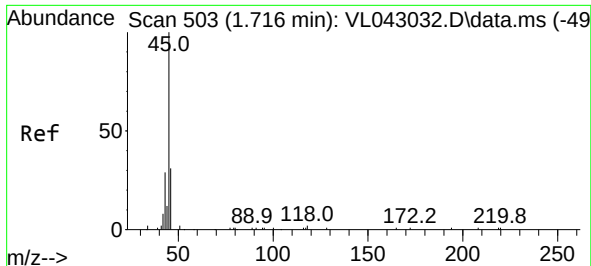
Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#11
 Trichlorofluoromethane
 Concen: 0.226 ppbv
 RT: 1.878 min Scan# 553
 Delta R.T. 0.007 min
 Lab File: VL043070.D
 Acq: 08 Oct 2025 22:10

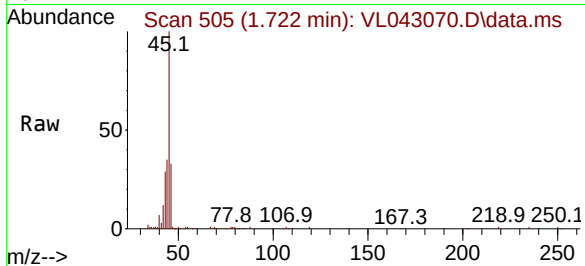
Tgt Ion:101 Resp: 6729
 Ion Ratio Lower Upper
 101 100
 103 53.6 51.1 76.7





#13
Ethanol
Concen: 22.860 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

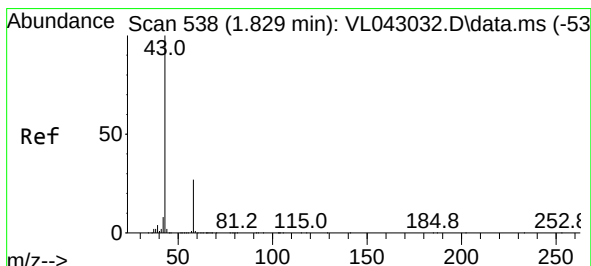
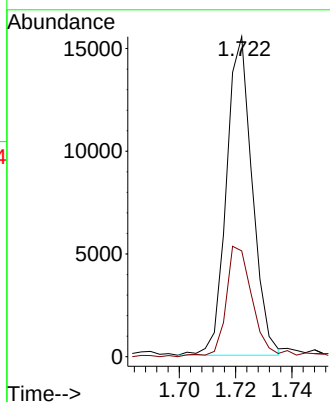
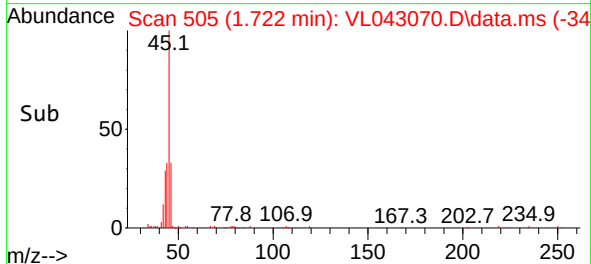
Instrument :
MSVOA_L
ClientSampleId :
OA1



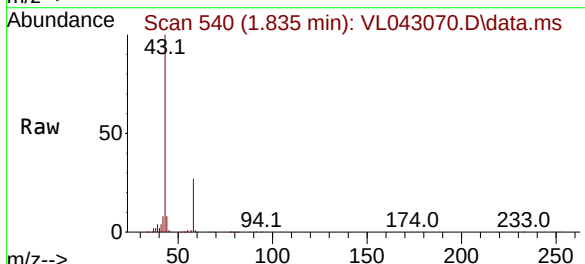
Tgt Ion: 45 Resp: 989
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

Manual Integrations
APPROVED

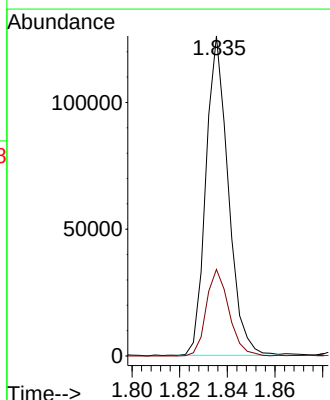
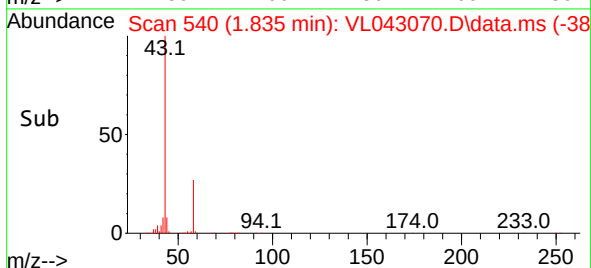
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

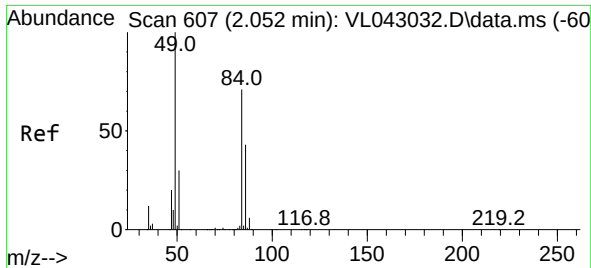


#15
Acetone
Concen: 3.417 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10



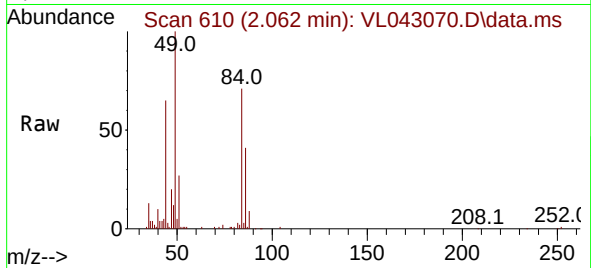
Tgt Ion: 43 Resp: 82318
Ion Ratio Lower Upper
43 100
58 27.7 22.2 33.4





#20
Methylene Chloride
Concen: 0.698 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

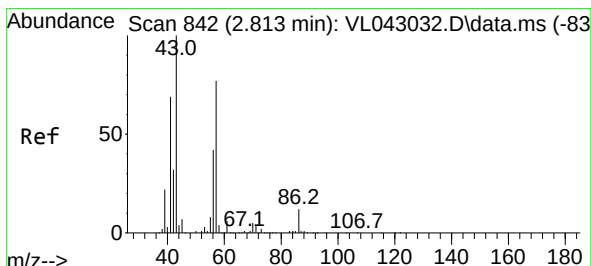
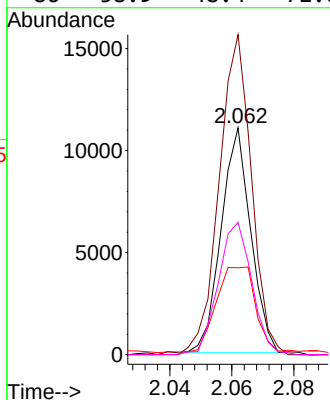
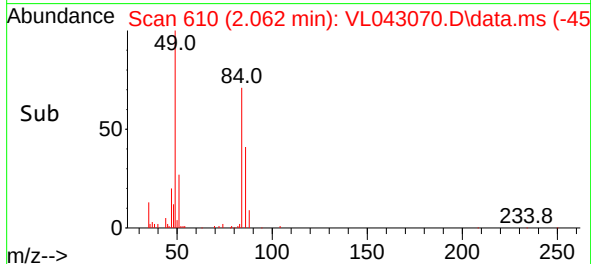
Instrument :
MSVOA_L
ClientSampleId :
OA1



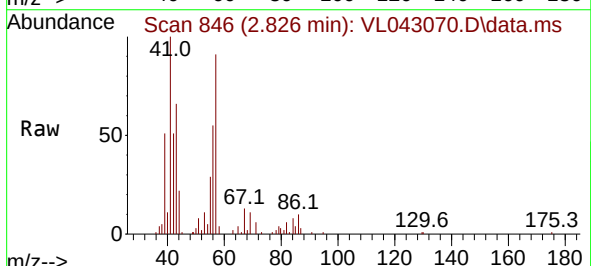
Tgt Ion: 84 Resp: 7340
Ion Ratio Lower Upper
84 100
49 142.3 112.5 168.7
51 37.4 34.2 51.2
86 58.9 48.4 72.6

Manual Integrations
APPROVED

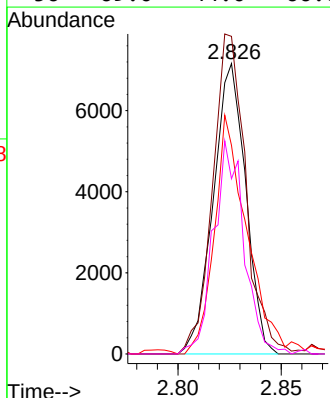
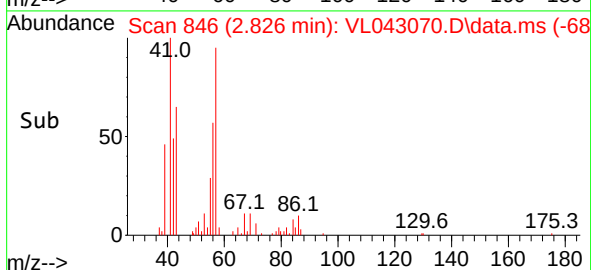
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

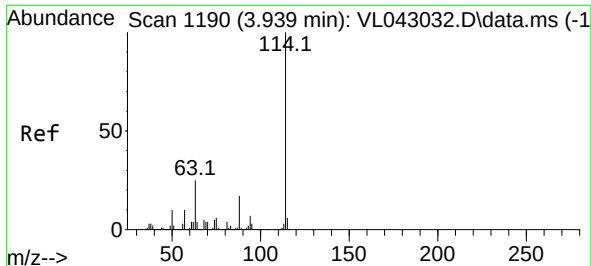


#26
Hexane
Concen: 0.337 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.013 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10



Tgt Ion: 57 Resp: 7831
Ion Ratio Lower Upper
57 100
41 114.0 76.1 114.1
43 85.6 201.4 302.0#
56 69.0 44.0 66.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.016 min

Lab File: VL043070.D

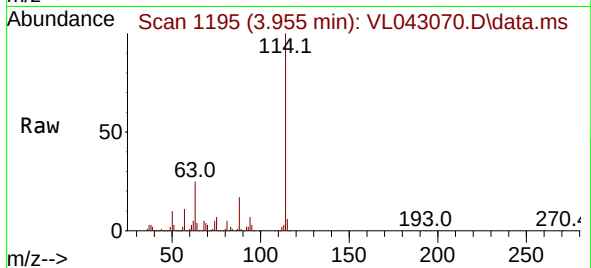
Acq: 08 Oct 2025 22:10

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:114 Resp: 45063

Ion Ratio Lower Upper

114 100

63 25.4 19.4 29.2

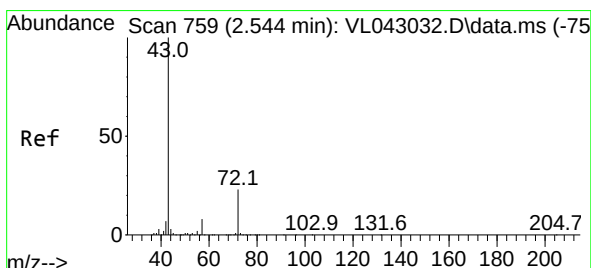
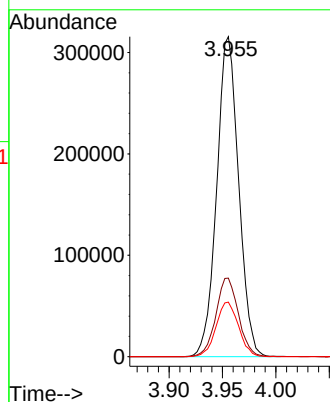
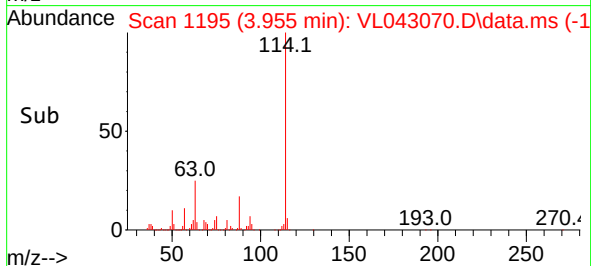
88 17.5 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.139 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.013 min

Lab File: VL043070.D

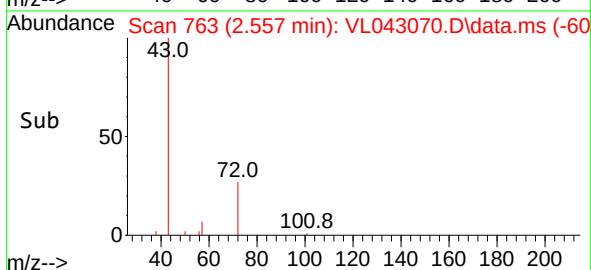
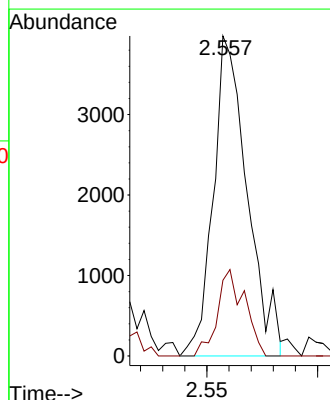
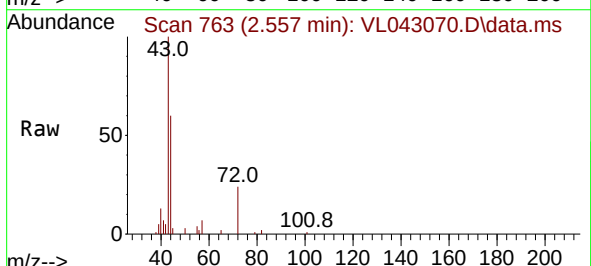
Acq: 08 Oct 2025 22:10

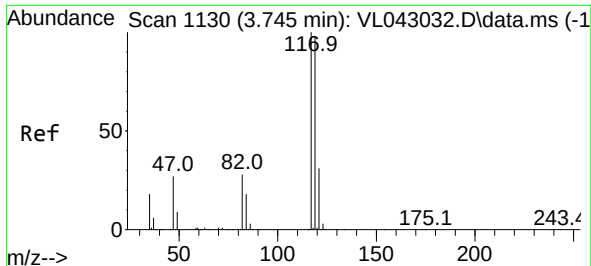
Tgt Ion: 43 Resp: 4241

Ion Ratio Lower Upper

43 100

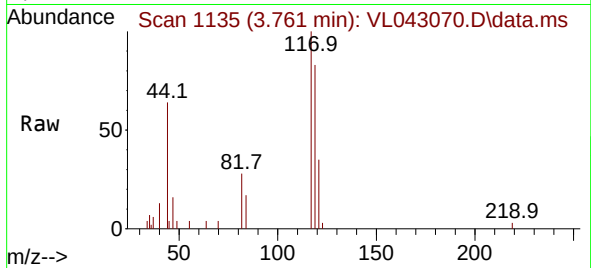
72 21.8 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.016 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

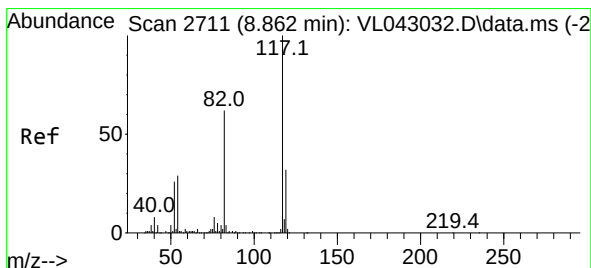
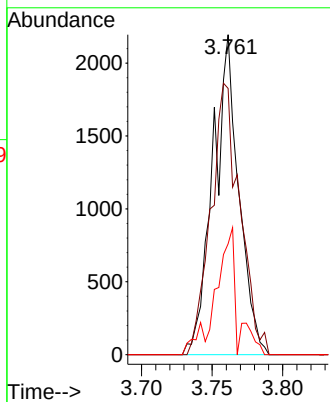
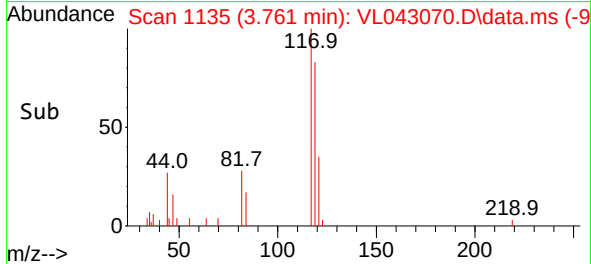
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:117 Resp: 2800
Ion Ratio Lower Upper
117 100
119 83.2 78.2 117.4
121 34.6 24.8 37.2

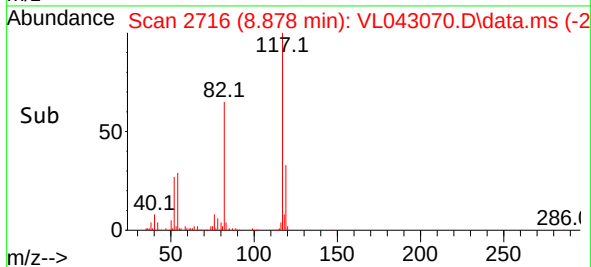
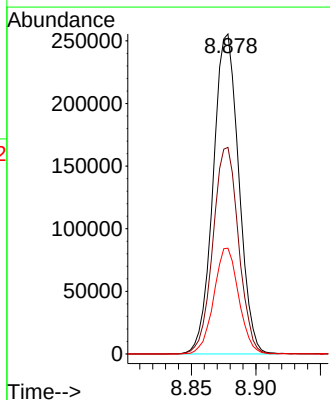
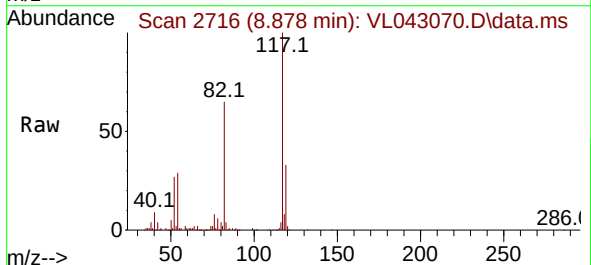
Manual Integrations
APPROVED

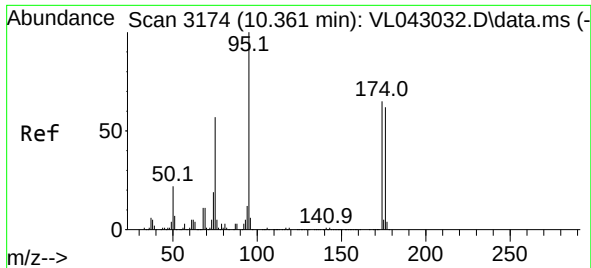
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.016 min
Lab File: VL043070.D
Acq: 08 Oct 2025 22:10

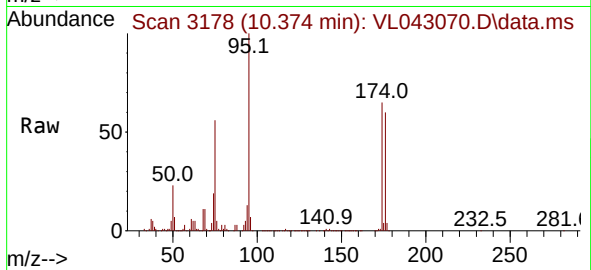
Tgt Ion:117 Resp: 352768
Ion Ratio Lower Upper
117 100
82 64.7 53.0 79.6
119 32.3 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.802 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL043070.D
 Acq: 08 Oct 2025 22:10

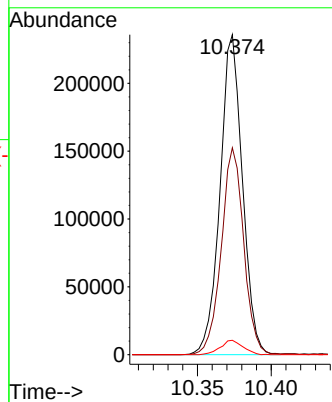
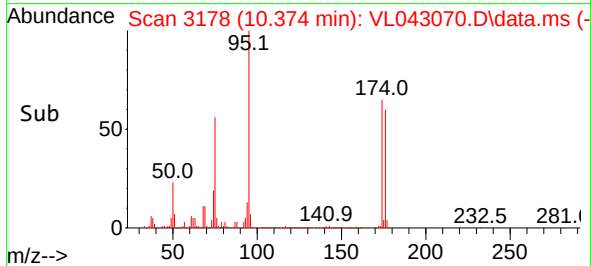
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 249094
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.3 78.5
 175 4.5 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q3320

Instrument ID: MSVOA_L

Calibration Date(s): 10/02/2025 10/02/2025

Heated Purge: (Y/N) N

Calibration Time(s): 09:50 13:41

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF0.5 = VL043031.D		RRF010 = VL043032.D		RRF002 = VL043033.D			
		RRF001 = VL043034.D		RRF0.1 = VL043036.D		RRF.03 = VL043037.D			
COMPOUND	RRF0.5	RRF010	RRF002	RRF001	RRF0.1	RRF.03	RRF	% RSD	
Dichlorodifluoromethane	1.748	1.587	1.698	1.803			1.685	5.7	
Chloromethane	0.644	0.577	0.614	0.663			0.616	6.2	
Vinyl Chloride	0.605	0.539	0.564	0.573	0.687	0.573	0.584	8.6	
Bromomethane	0.260	0.248	0.270	0.283			0.263	5.4	
Chloroethane	0.259	0.223	0.256	0.257			0.244	7.6	
Tetrahydrofuran	0.297	0.376	0.365	0.338			0.351	9.7	
Trichlorofluoromethane	1.770	1.621	1.761	1.866			1.732	5.8	
1,1,2-Trichlorotrifluoroethane	1.449	1.284	1.392	1.410			1.364	5.5	
Dichlorotetrafluoroethane	1.429	1.301	1.438	1.430			1.381	5.1	
tert-Butyl alcohol	1.663	1.377	1.437	1.586			1.481	9.3	
Heptane	1.332	1.760	1.650	1.565			1.616	11.2	
1,1-Dichloroethene	0.607	0.575	0.610	0.626			0.598	3.9	
Acetone	1.669	1.143	1.472	1.561			1.400	17.1	
Carbon Disulfide	1.681	1.521	1.576	1.655			1.595	4.4	
Methyl tert-Butyl Ether	0.853	0.823	0.868	0.872			0.846	3.1	
Methylene Chloride	0.809	0.490	0.577	0.684			0.611	22.2	
trans-1,2-Dichloroethene	0.723	0.635	0.676	0.713			0.679	5.7	
1,1-Dichloroethane	1.347	1.206	1.295	1.365			1.287	5.6	
Cyclohexane	0.947	1.191	1.145	1.068			1.110	9.5	
2-Butanone	0.704	0.655	0.695	0.685			0.679	3.4	
Carbon Tetrachloride	0.816	0.761	0.770	0.805	0.828	1.006	0.823	10.3	
cis-1,2-Dichloroethene	1.329	1.403	1.436	1.390			1.389	2.8	
Chloroform	2.393	2.206	2.326	2.395			2.304	4.2	
1,1,1-Trichloroethane	2.204	2.170	2.255	2.216	2.098	2.543	2.239	6.4	
2,2,4-Trimethylpentane	1.388	1.593	1.589	1.494			1.533	6	
Benzene	0.901	0.964	0.971	0.984			0.955	3.3	
1,2-Dichloroethane	0.584	0.547	0.570	0.577			0.566	2.8	
Trichloroethene	0.404	0.409	0.402	0.424	0.386	0.355	0.398	5.6	
1,2-Dichloropropane	0.360	0.350	0.354	0.362			0.354	2	
Bromodichloromethane	0.818	0.788	0.791	0.805			0.799	1.5	

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q3320

Instrument ID: MSVOA_L

Calibration Date(s): 10/02/2025 10/02/2025

Heated Purge: (Y/N) N

Calibration Time(s): 09:50 13:41

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:	RRF0.5 = VL043031.D			RRF010 = VL043032.D		RRF002 = VL043033.D		
	RRF001 = VL043034.D			RRF0.1 = VL043036.D		RRF.03 = VL043037.D		
COMPOUND	RRF0.5	RRF010	RRF002	RRF001	RRF0.1	RRF.03	RRF	% RSD
4-Methyl-2-Pentanone	0.719	0.910	0.820	0.763			0.827	10.9
Toluene	0.790	1.087	0.966	0.881			0.965	13.7
t-1,3-Dichloropropene	0.268	0.314	0.279	0.268			0.290	8.9
cis-1,3-Dichloropropene	0.374	0.440	0.396	0.386			0.409	8.2
1,1,2-Trichloroethane	0.414	0.376	0.395	0.405			0.394	4.2
Dibromochloromethane	0.610	0.661	0.644	0.644			0.643	3.1
1,2-Dibromoethane	0.448	0.481	0.471	0.472	0.445		0.467	3.6
Tetrachloroethene	0.339	0.345	0.352	0.343	0.328	0.424	0.354	9
Chlorobenzene	1.088	1.015	1.086	1.096			1.057	4.2
Ethyl Benzene	1.232	1.759	1.598	1.379			1.549	15.4
m/p-Xylene	1.012	1.443	1.401	1.231			1.307	14.3
o-Xylene	1.020	1.439	1.385	1.216			1.302	14.1
Styrene	0.398	0.666	0.523	0.449			0.545	23.8
Bromoform	0.492	0.560	0.542	0.516			0.537	6.2
1,1,2,2-Tetrachloroethane	0.919	0.870	0.949	0.949	0.884	1.080	0.934	7.7
2-Chlorotoluene	1.157	1.583	1.522	1.348			1.446	13.3
1,3,5-Trimethylbenzene	1.041	1.470	1.423	1.271			1.340	14.1
1,2,4-Trimethylbenzene	1.133	1.633	1.676	1.492			1.513	14.8
1,3-Dichlorobenzene	0.932	0.976	1.031	0.986			0.984	3.6
1,4-Dichlorobenzene	0.825	0.967	0.990	0.929			0.938	7.2
1,2-Dichlorobenzene	0.951	0.930	1.036	1.037			0.980	5.3
1,2,4-Trichlorobenzene	0.383	0.696	0.629	0.476			0.583	25.5
Hexachloro-1,3-Butadiene	0.683	0.645	0.731	0.705			0.683	5.3
1,3-Butadiene	0.609	0.536	0.611	0.587			0.577	6.2
Naphthalene	0.611	1.288	1.115	0.746	0.333		0.903	44.5
4-Ethyltoluene	1.145	1.751	1.647	1.426			1.549	17.1
1-Bromo-4-Fluorobenzene	0.727	0.735	0.732	0.726	0.692	0.688	0.720	3
Hexane	1.261	1.401	1.413	1.271			1.351	5.8
Allyl Chloride	0.982	0.843	0.920	0.888			0.897	6.3
1,4-Dioxane	145.872	157.000	152.212	150.574			151.898	2.7

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GFEL01
 Lab Code: ACE SDG No.: Q3320
 Instrument ID: MSVOA_L Calibration Date(s): 10/02/2025 10/02/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:50 13:41
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:								
RRF0.5 = VL043031.D			RRF010 = VL043032.D			RRF002 = VL043033.D		
RRF001 = VL043034.D			RRF0.1 = VL043036.D			RRF.03 = VL043037.D		
COMPOUND	RRF0.5	RRF010	RRF002	RRF001	RRF0.1	RRF.03	RRF	% RSD
Methyl Methacrylate	0.281	0.353	0.308	0.286			0.317	11.5

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL100225AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Fri Oct 03 08:23:34 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL043037.D 0.1 =VL043036.D 0.5 =VL043031.D 1 =VL043034.D 2 =VL043033.D 10 =VL043032.D 15 =VL043038.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.748	1.803	1.698	1.587	1.591	1.685	5.66
3) Chlorodifluoro...			1.726	1.701	1.684	1.527	1.513	1.630	6.23
4) Chloromethane			0.644	0.663	0.614	0.577	0.580	0.616	6.17
5) T Vinyl Chloride	0.573	0.687	0.605	0.573	0.564	0.539	0.548	0.584	8.59
6) T Bromomethane			0.260	0.283	0.270	0.248	0.252	0.263	5.35
7) Chloroethane			0.259	0.257	0.256	0.223	0.224	0.244	7.62
8) T Dichlorotetra...			1.429	1.430	1.438	1.301	1.307	1.381	5.09
9) T Propene			0.657	0.691	0.697	0.633	0.609	0.657	5.69
10) T Heptane			1.331	1.565	1.650	1.760	1.776	1.616	11.19
11) T Trichlorofluor...			1.770	1.866	1.761	1.621	1.642	1.732	5.83
12) T 1,1,2-Trichlor...			1.449	1.410	1.392	1.284	1.286	1.364	5.50
13) Ethanol			0.085	0.049	0.041	0.027	0.026	0.045#	52.72
14) T Bromoethene			0.507	0.499	0.501	0.469	0.469	0.489	3.80
15) T Acetone			1.669	1.561	1.472	1.143	1.155	1.400	17.12
16) T 1,3-Butadiene			0.609	0.587	0.611	0.536	0.543	0.577	6.17
17) tert-Butyl alc...			1.663	1.586	1.437	1.377	1.344	1.481	9.28
18) T 1,1-Dichloroet...			0.607	0.626	0.610	0.575	0.572	0.598	3.90
19) T Isopropyl Alcohol			0.768	0.727	0.667	0.603	0.589	0.671	11.56
20) T Methylene Chlo...			0.809	0.684	0.577	0.490	0.496	0.611	22.19
21) T Allyl Chloride			0.982	0.888	0.920	0.843	0.852	0.897	6.32
22) T trans-1,2-Dich...			0.723	0.713	0.676	0.635	0.648	0.679	5.74
23) T Vinyl Acetate			0.388	0.316	0.308	0.244	0.231	0.297	21.19
24) T 1,1-Dichloroet...			1.347	1.365	1.295	1.206	1.221	1.287	5.57
25) T Ethyl Acetate			3.265	3.663	3.644	3.520	3.471	3.513	4.56
26) T Hexane			1.261	1.271	1.413	1.401	1.411	1.351	5.80
27) T Carbon Disulfide			1.681	1.655	1.576	1.521	1.543	1.595	4.37
28) T Methyl tert-Bu...			0.853	0.872	0.868	0.823	0.813	0.846	3.14
29) T Chloroform			2.393	2.395	2.326	2.206	2.199	2.304	4.19
30) T Cyclohexane			0.947	1.068	1.145	1.191	1.200	1.110	9.46
31) T cis-1,2-Dichlo...			1.329	1.390	1.436	1.403	1.388	1.389	2.79
32) T 1,1,1-Trichlor...	2.543	2.098	2.204	2.216	2.255	2.170	2.186	2.239	6.38

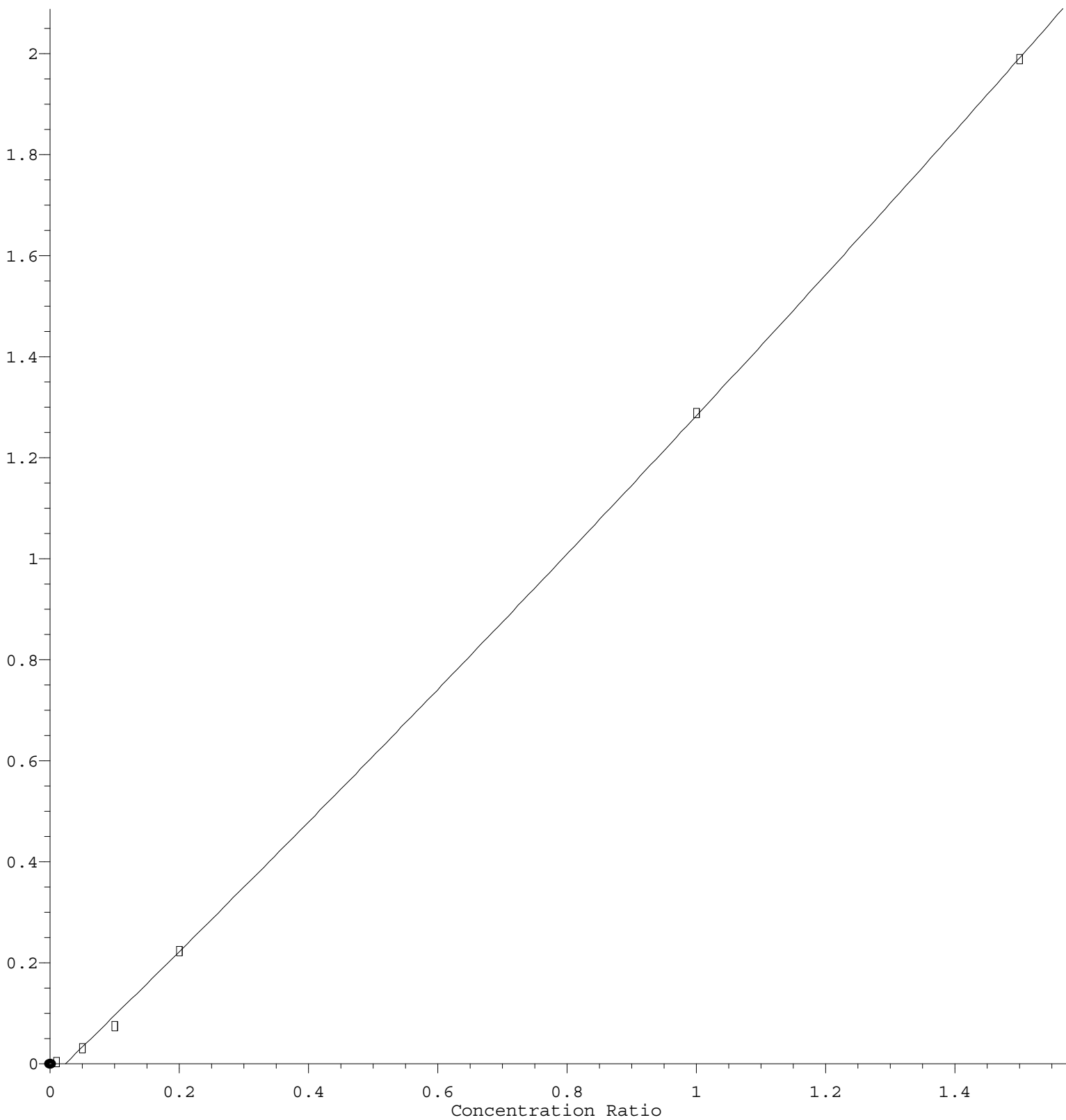
33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.704	0.685	0.695	0.655	0.654	0.679	3.42
35) T Carbon Tetrach...	1.006	0.828	0.816	0.805	0.770	0.761	0.773	0.823	10.30
36) T Benzene			0.901	0.984	0.971	0.964	0.957	0.955	3.32
37) T 1,2-Dichloroet...			0.584	0.577	0.570	0.547	0.551	0.566	2.79
38) T Trichloroethene	0.355	0.386	0.404	0.424	0.402	0.409	0.407	0.398	5.58
39) T 1,2-Dichloropr...			0.360	0.362	0.354	0.350	0.345	0.354	2.02

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\											
Method File : VL100225AIR.M											
40)	T	1,4-Dioxane			0.146	0.151	0.152	0.157	0.154	0.152	2.71
41)	T	Tetrahydrofuran			0.297	0.338	0.365	0.376	0.378	0.351	9.74
42)	T	Bromodichlorom...			0.818	0.805	0.791	0.788	0.793	0.799	1.55
43)		Methyl Methacr...			0.281	0.286	0.308	0.353	0.358	0.317	11.50
44)	T	2,2,4-Trimethy...			1.388	1.494	1.589	1.593	1.601	1.533	6.01
45)	T	t-1,3-Dichloro...			0.268	0.268	0.279	0.314	0.322	0.290	8.91
46)	T	cis-1,3-Dichlo...			0.374	0.386	0.396	0.440	0.449	0.409	8.23
47)	T	1,1,2-Trichlor...			0.414	0.405	0.395	0.376	0.379	0.394	4.18
48)	T	Dibromochlorom...			0.610	0.644	0.644	0.661	0.655	0.643	3.10
49)	T	Bromoform			0.492	0.516	0.542	0.560	0.575	0.537	6.24
50)	T	4-Methyl-2-Pen...			0.719	0.763	0.820	0.910	0.926	0.827	10.90
51)	T	2-Hexanone			0.438	0.515	0.578	0.693	0.720	0.589	20.15
52)	T	Tetrachloroethene	0.424	0.328	0.339	0.343	0.352	0.345	0.346	0.354	9.02
53)	T	Toluene			0.790	0.881	0.966	1.087	1.099	0.965	13.74
54)	T	1,2-Dibromoethane		0.445	0.448	0.472	0.471	0.481	0.484	0.467	3.56
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.631	0.623	0.614	0.591	0.590	0.610	3.04
57)	T	Chlorobenzene			1.088	1.096	1.086	1.015	1.002	1.057	4.24
58)	T	Ethyl Benzene			1.232	1.379	1.598	1.759	1.778	1.549	15.41
59)	T	m/p-Xylene			1.012	1.231	1.401	1.443	1.446	1.307	14.29
60)	T	o-Xylene			1.020	1.216	1.385	1.439	1.448	1.302	14.07
61)	T	Styrene			0.398	0.449	0.523	0.666	0.691	0.545	23.81
62)		Isopropylbenzene			1.675	1.919	2.082	2.141	2.174	1.998	10.30
63)	T	1,1,2,2-Tetrac...	1.080	0.884	0.919	0.949	0.949	0.870	0.886	0.934	7.66
64)		n-propylbenzene			0.384	0.491	0.540	0.562	0.579	0.511	15.38
65)		tert-Butylbenzene			1.384	1.730	1.932	1.928	1.918	1.778	13.28
66)	T	Benzyl Chloride			0.064	0.066	0.066	0.069	0.075	0.068	6.61
67)		sec-Butylbenzene			1.912	2.476	2.742	2.652	2.626	2.482	13.41
68)	S	1-Bromo-4-Fluo...	0.688	0.692	0.727	0.726	0.732	0.735	0.743	0.720	3.00
69)		p-Isopropyltol...			1.499	1.879	2.234	2.250	2.231	2.019	16.33
70)		n-Butylbenzene			1.361	1.776	2.148	2.222	2.212	1.944	19.22
71)		2-Chlorotoluene			1.156	1.348	1.522	1.583	1.621	1.446	13.34
72)	T	4-Ethyltoluene			1.145	1.426	1.647	1.751	1.778	1.549	17.12
73)	T	1,3,5-Trimethy...			1.041	1.271	1.423	1.470	1.496	1.340	14.06
74)	T	1,2,4-Trimethy...			1.133	1.492	1.676	1.633	1.630	1.513	14.77
75)	T	1,3-Dichlorobe...			0.932	0.986	1.031	0.976	0.994	0.984	3.60
76)	T	1,4-Dichlorobe...			0.825	0.929	0.990	0.967	0.980	0.938	7.20
77)	T	1,2-Dichlorobe...			0.951	1.037	1.036	0.930	0.945	0.980	5.35
78)	T	Hexachloro-1,3...			0.683	0.705	0.731	0.645	0.650	0.683	5.29
79)	T	Naphthalene		0.333	0.611	0.746	1.115	1.288	1.326	0.903	44.50
80)	T	Naphthalene,2-...			0.645	0.167	0.278	0.567	0.629	0.457	48.04
81)	T	1,2,4-Trichlor...			0.383	0.476	0.629	0.696	0.731	0.583	25.49

(#) = Out of Range

Naphthalene

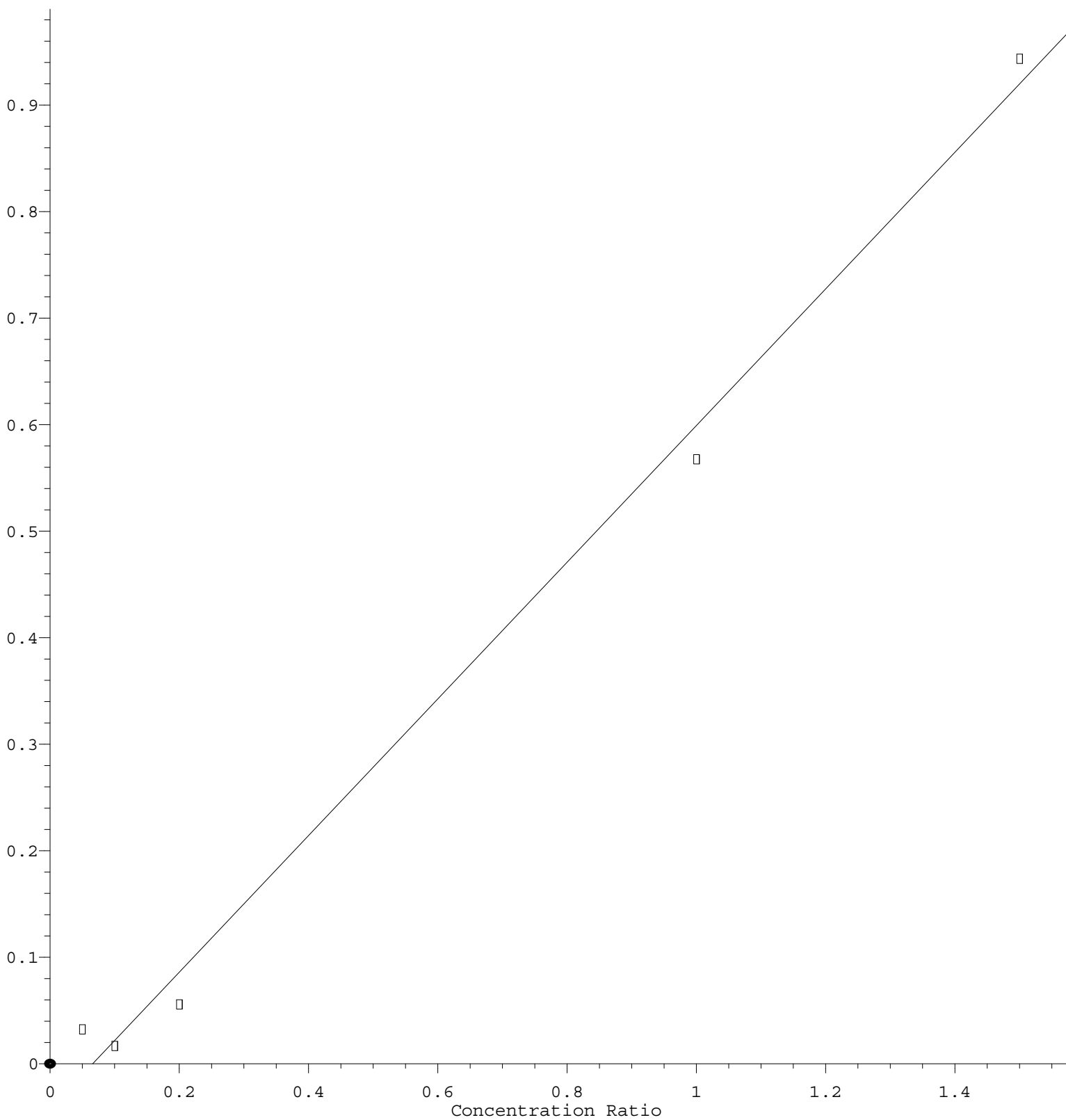
Response Ratio



$R = 6.981e-002 A^2 + 1.242e+000 A - 2.912e-002$
 Coef of Det (r^2) = 0.999745 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA L\methods\VL100225AIR.M
 Calibration Table Last Updated: Fri Oct 03 08:23:34 2025

Naphthalene, 2-methyl-

Response Ratio



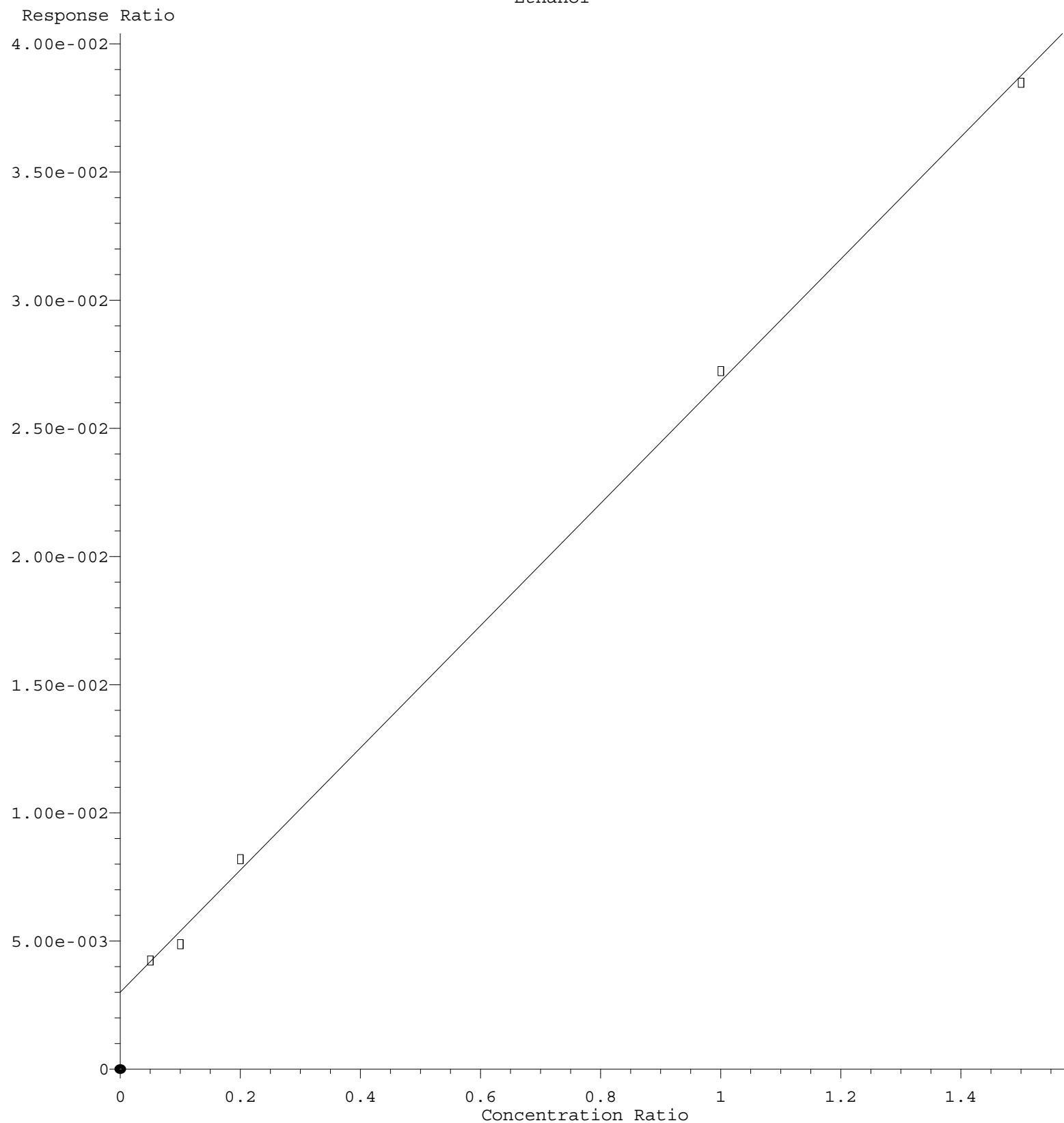
$$\text{Response} = 6.413\text{e-}001 * \text{Amt} - 4.246\text{e-}002$$

Coef of Det (r^2) = 0.993798 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA L\methods\VL100225AIR.M

Calibration Table Last Updated: Fri Oct 03 08:23:34 2025

Ethanol



Response = 2.382e-002 * Amt + 3.025e-003
 Coef of Det (r^2) = 0.999298 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA L\methods\VL100225AIR.M
 Calibration Table Last Updated: Fri Oct 03 08:23:34 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043031.D
 Acq On : 02 Oct 2025 09:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:00:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172062	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	504004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	415115	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 301605 10.086 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	15037	0.519	ppbv	97
3) Chlorodifluoromethane	1.470	51	14848	0.529	ppbv	96
4) Chloromethane	1.528	50	5542	0.523	ppbv	91
5) Vinyl Chloride	1.573	62	5205	0.518	ppbv	99
6) Bromomethane	1.660	94	2235	0.495	ppbv	87
7) Chloroethane	1.696	64	2228	0.531	ppbv	94
8) Dichlorotetrafluoroethane	1.547	85	12294	0.517	ppbv	99
9) Propene	1.479	41	5652	0.500	ppbv	95
10) Heptane	4.949	43	11455m	0.411	ppbv	
11) Trichlorofluoromethane	1.871	101	15230	0.511	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	12463	0.531	ppbv	99
13) Ethanol	1.716	45	729	0.509	ppbv #	31
14) Bromoethene	1.774	108	4364	0.519	ppbv #	91
15) Acetone	1.829	43	14360	0.596	ppbv	100
16) 1,3-Butadiene	1.602	39	5235	0.527	ppbv	97
17) tert-Butyl alcohol	2.033	59	14304	0.561	ppbv	96
18) 1,1-Dichloroethene	2.026	96	5223	0.508	ppbv	93
19) Isopropyl Alcohol	1.877	45	6611	0.573	ppbv #	32
20) Methylene Chloride	2.052	84	6961	0.662	ppbv	92
21) Allyl Chloride	2.088	41	8450	0.547	ppbv	97
22) trans-1,2-Dichloroethene	2.327	96	6223	0.533	ppbv	89
23) Vinyl Acetate	2.447	43	3334	0.652	ppbv #	82
24) 1,1-Dichloroethane	2.398	63	11586	0.523	ppbv	99
25) Ethyl Acetate	2.822	43	28090	0.465	ppbv	98
26) Hexane	2.813	57	10845	0.466	ppbv	92
27) Carbon Disulfide	2.140	76	14458	0.527	ppbv #	36
28) Methyl tert-Butyl Ether	2.431	73	7340	0.505	ppbv	94
29) Chloroform	2.835	83	20586	0.519	ppbv	97
30) Cyclohexane	3.839	84	8149	0.427	ppbv	93
31) cis-1,2-Dichloroethene	2.706	61	11430	0.478	ppbv	95
32) 1,1,1-Trichloroethane	3.350	97	18962	0.492	ppbv	97
34) 2-Butanone	2.547	43	17736	0.519	ppbv	100
35) Carbon Tetrachloride	3.742	117	20564	0.496	ppbv	93
36) Benzene	3.638	78	22717	0.472	ppbv	93
37) 1,2-Dichloroethane	3.204	62	14711	0.516	ppbv	98
38) Trichloroethene	4.515	130	10181m	0.507	ppbv	
39) 1,2-Dichloropropane	4.289	63	9070	0.508	ppbv #	86
40) 1,4-Dioxane	4.570	88	3676m	0.480	ppbv	
41) Tetrahydrofuran	3.046	42	7477	0.423	ppbv	95
42) Bromodichloromethane	4.463	83	20614	0.512	ppbv #	97
43) Methyl Methacrylate	4.852	69	7092	0.444	ppbv	91
44) 2,2,4-Trimethylpentane	4.616	57	34977	0.453	ppbv	96
45) t-1,3-Dichloropropene	6.376	75	6760m	0.467	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043031.D
 Acq On : 02 Oct 2025 09:50
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:00:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.561	75	9423m	0.458	ppbv	
47) 1,1,2-Trichloroethane	6.551	97	10438	0.526	ppbv	91
48) Dibromochloromethane	7.357	129	15360	0.474	ppbv	94
49) Bromoform	9.461	173	12398	0.458	ppbv	95
50) 4-Methyl-2-Pentanone	5.726	43	18115	0.434	ppbv	100
51) 2-Hexanone	7.418	43	11043m	0.373	ppbv	
52) Tetrachloroethene	8.205	164	8537	0.476	ppbv	94
53) Toluene	6.904	91	19917m	0.410	ppbv	
54) 1,2-Dibromoethane	7.626	107	11279	0.479	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.901	131	13091	0.517	ppbv #	1
57) Chlorobenzene	8.898	112	22573	0.514	ppbv	95
58) Ethyl Benzene	9.335	91	25575	0.398	ppbv	96
59) m/p-Xylene	9.529	91	42005m	0.774	ppbv	
60) o-Xylene	9.943	91	21166	0.392	ppbv	97
61) Styrene	9.849	104	8258	0.365	ppbv	98
62) Isopropylbenzene	10.522	105	34761	0.419	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.943	83	19066	0.490	ppbv	99
64) n-propylbenzene	10.972	120	7963	0.375	ppbv	87
65) tert-Butylbenzene	11.516	119	28729	0.389	ppbv	97
66) Benzyl Chloride	11.600	91	1321	0.462	ppbv #	92
67) sec-Butylbenzene	11.752	105	39676	0.385	ppbv	98
69) p-Isopropyltoluene	11.911	119	31118	0.371	ppbv	98
70) n-Butylbenzene	12.267	91	28253	0.350	ppbv	95
71) 2-Chlorotoluene	10.885	91	24004	0.400	ppbv	98
72) 4-Ethyltoluene	11.108	105	23762	0.369	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.186	105	21617	0.389	ppbv	98
74) 1,2,4-Trimethylbenzene	11.523	105	23511	0.374	ppbv	88
75) 1,3-Dichlorobenzene	11.590	146	19346	0.474	ppbv	99
76) 1,4-Dichlorobenzene	11.655	146	17115	0.440	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	19742	0.485	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	14174	0.500	ppbv	99
79) Naphthalene	13.500	128	12682	0.479	ppbv #	96
80) Naphthalene,2-methyl-	14.442	142	13384	1.165	ppbv	95
81) 1,2,4-Trichlorobenzene	13.426	180	7952	0.329	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043032.D
 Acq On : 02 Oct 2025 10:23
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:01:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	175694	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	523534	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	448396	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 329578 10.203 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	278856	9.417	ppbv	100
3) Chlorodifluoromethane	1.473	51	268344	9.368	ppbv	100
4) Chloromethane	1.528	50	101430	9.378	ppbv	100
5) Vinyl Chloride	1.576	62	94623	9.218	ppbv	100
6) Bromomethane	1.664	94	43581	9.448	ppbv	100
7) Chloroethane	1.699	64	39123	9.134	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	228586	9.421	ppbv	100
9) Propene	1.479	41	111264	9.633	ppbv	100
10) Heptane	4.956	43	309134	10.867	ppbv	100
11) Trichlorofluoromethane	1.871	101	284734	9.357	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	225532	9.410	ppbv	100
13) Ethanol	1.716	45	4785	10.163	ppbv	100
14) Bromoethene	1.777	108	82329	9.582	ppbv	100
15) Acetone	1.829	43	200896	8.166	ppbv	100
16) 1,3-Butadiene	1.606	39	94239	9.292	ppbv	100
17) tert-Butyl alcohol	2.033	59	241909	9.297	ppbv	100
18) 1,1-Dichloroethene	2.026	96	101035	9.617	ppbv	100
19) Isopropyl Alcohol	1.877	45	105917	8.986	ppbv	100
20) Methylene Chloride	2.052	84	86085	8.017	ppbv	100
21) Allyl Chloride	2.088	41	148094	9.397	ppbv	100
22) trans-1,2-Dichloroethene	2.331	96	111481	9.346	ppbv	100
23) Vinyl Acetate	2.450	43	42908	8.216	ppbv	100
24) 1,1-Dichloroethane	2.399	63	211973	9.375	ppbv	100
25) Ethyl Acetate	2.819	43	618469	10.022	ppbv	100
26) Hexane	2.813	57	246127	10.368	ppbv	100
27) Carbon Disulfide	2.143	76	267294	9.537	ppbv	100
28) Methyl tert-Butyl Ether	2.428	73	144534	9.729	ppbv	100
29) Chloroform	2.836	83	387615	9.577	ppbv	100
30) Cyclohexane	3.839	84	209266	10.728	ppbv	100
31) cis-1,2-Dichloroethene	2.709	61	246505	10.101	ppbv	100
32) 1,1,1-Trichloroethane	3.353	97	381212	9.691	ppbv	100
34) 2-Butanone	2.544	43	342678	9.647	ppbv	100
35) Carbon Tetrachloride	3.745	117	398481	9.251	ppbv	100
36) Benzene	3.638	78	504680	10.090	ppbv	100
37) 1,2-Dichloroethane	3.201	62	286590	9.674	ppbv	100
38) Trichloroethene	4.525	130	214186	10.277	ppbv	100
39) 1,2-Dichloropropane	4.292	63	182987	9.870	ppbv	100
40) 1,4-Dioxane	4.554	88	82195	10.324	ppbv #	98
41) Tetrahydrofuran	3.036	42	196992	10.730	ppbv	100
42) Bromodichloromethane	4.467	83	412493	9.861	ppbv	100
43) Methyl Methacrylate	4.852	69	184960	11.139	ppbv	100
44) 2,2,4-Trimethylpentane	4.616	57	834185	10.393	ppbv	100
45) t-1,3-Dichloropropene	6.386	75	164433	10.931	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043032.D
 Acq On : 02 Oct 2025 10:23
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:01:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	230231	10.772	ppbv	100
47) 1,1,2-Trichloroethane	6.551	97	196990	9.552	ppbv	100
48) Dibromochloromethane	7.364	129	345945	10.278	ppbv	100
49) Bromoform	9.464	173	292987	10.423	ppbv	100
50) 4-Methyl-2-Pentanone	5.713	43	476242	10.994	ppbv	100
51) 2-Hexanone	7.412	43	362983	11.817	ppbv	100
52) Tetrachloroethene	8.205	164	180664	9.693	ppbv	100
53) Toluene	6.907	91	568843	11.265	ppbv	100
54) 1,2-Dibromoethane	7.629	107	251974	10.309	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.907	131	264925	9.693	ppbv	100
57) Chlorobenzene	8.904	112	455049	9.600	ppbv	100
58) Ethyl Benzene	9.338	91	788510	11.351	ppbv	100
59) m/p-Xylene	9.532	91	1293839m	22.074	ppbv	
60) o-Xylene	9.946	91	645403	11.058	ppbv	100
61) Styrene	9.853	104	298597	12.212	ppbv	100
62) Isopropylbenzene	10.526	105	960158	10.716	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.946	83	390289	9.278	ppbv	100
64) n-propylbenzene	10.976	120	252073	10.998	ppbv	99
65) tert-Butylbenzene	11.516	119	864475	10.841	ppbv	100
66) Benzyl Chloride	11.604	91	30823	9.975	ppbv	100
67) sec-Butylbenzene	11.752	105	1189296	10.688	ppbv	100
69) p-Isopropyltoluene	11.914	119	1008951	11.146	ppbv	100
70) n-Butylbenzene	12.267	91	996449	11.433	ppbv	100
71) 2-Chlorotoluene	10.885	91	709807	10.946	ppbv	100
72) 4-Ethyltoluene	11.112	105	785118	11.302	ppbv	100
73) 1,3,5-Trimethylbenzene	11.189	105	659038	10.966	ppbv	100
74) 1,2,4-Trimethylbenzene	11.523	105	732252	10.796	ppbv	100
75) 1,3-Dichlorobenzene	11.594	146	437848	9.925	ppbv	100
76) 1,4-Dichlorobenzene	11.659	146	433712	10.311	ppbv	100
77) 1,2-Dichlorobenzene	11.934	146	417019	9.491	ppbv	100
78) Hexachloro-1,3-Butadiene	13.869	225	289398	9.452	ppbv	100
79) Naphthalene	13.500	128	577659	10.038	ppbv	100
80) Naphthalene,2-methyl-	14.445	142	254437	9.510	ppbv	100
81) 1,2,4-Trichlorobenzene	13.429	180	312011	11.936	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
Data File : VL043032.D
Acq On : 02 Oct 2025 10:23
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

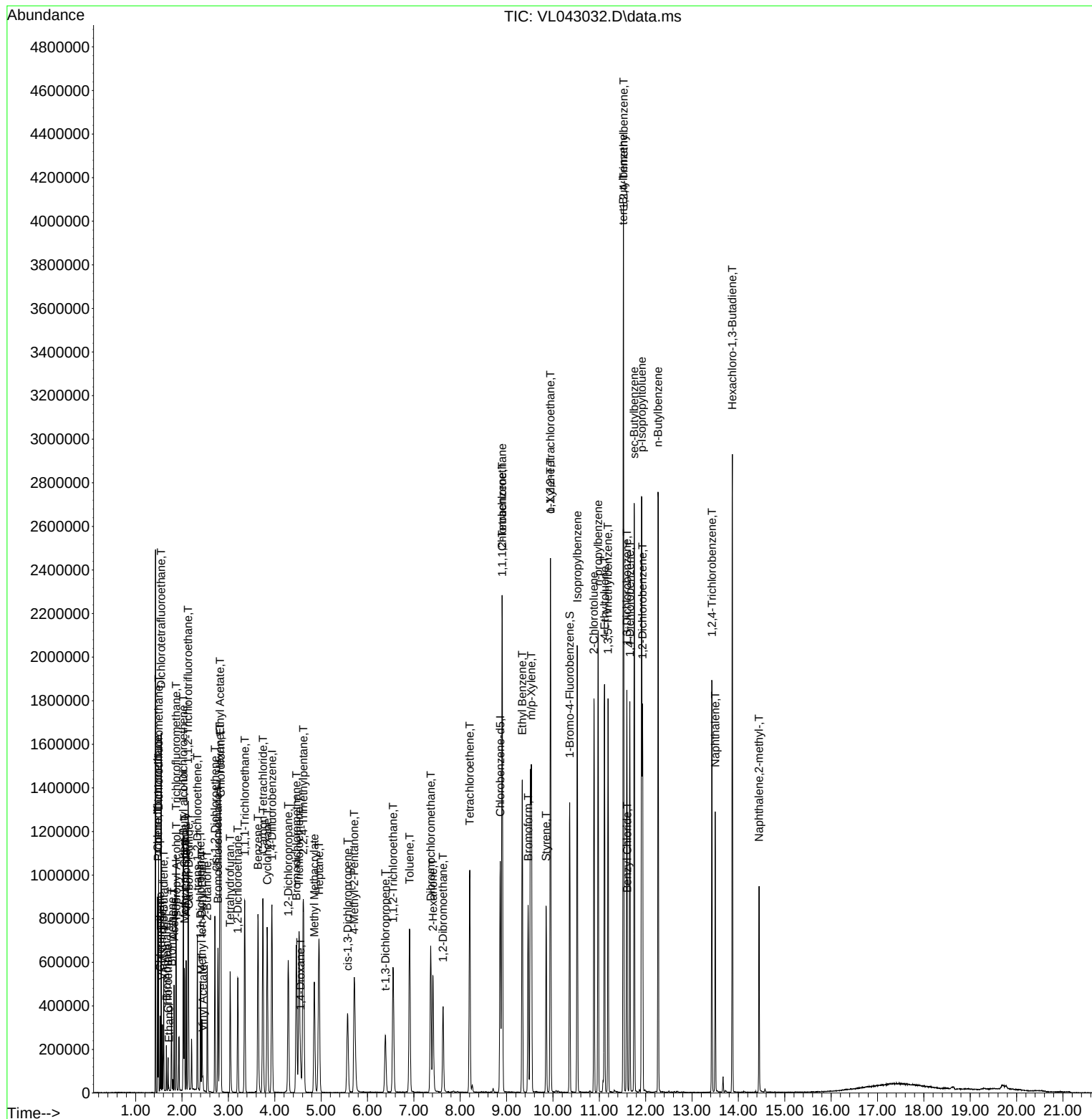
Quant Time: Oct 03 08:01:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043033.D
 Acq On : 02 Oct 2025 10:57
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:02:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.771	49	179740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	541054	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	447624	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 327830 10.167 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	61057	2.016	ppbv	97
3) Chlorodifluoromethane	1.470	51	60544	2.066	ppbv	97
4) Chloromethane	1.528	50	22071	1.995	ppbv	98
5) Vinyl Chloride	1.573	62	20286	1.932	ppbv	98
6) Bromomethane	1.661	94	9696	2.055	ppbv	97
7) Chloroethane	1.696	64	9205	2.101	ppbv	96
8) Dichlorotetrafluoroethane	1.547	85	51709	2.083	ppbv	98
9) Propene	1.479	41	25044	2.119	ppbv	93
10) Heptane	4.952	43	59306	2.038	ppbv	98
11) Trichlorofluoromethane	1.871	101	63315	2.034	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	50042	2.041	ppbv	100
13) Ethanol	1.716	45	1472	2.168	ppbv #	58
14) Bromoethene	1.774	108	18006	2.048	ppbv	98
15) Acetone	1.829	43	52918	2.103	ppbv	95
16) 1,3-Butadiene	1.602	39	21968	2.117	ppbv	96
17) tert-Butyl alcohol	2.030	59	51640	1.940	ppbv	98
18) 1,1-Dichloroethene	2.023	96	21932	2.040	ppbv	98
19) Isopropyl Alcohol	1.877	45	23979	1.989	ppbv #	80
20) Methylene Chloride	2.052	84	20728	1.887	ppbv	95
21) Allyl Chloride	2.085	41	33088	2.052	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	24306	1.992	ppbv	95
23) Vinyl Acetate	2.450	43	11081	2.074	ppbv #	92
24) 1,1-Dichloroethane	2.395	63	46548	2.012	ppbv	99
25) Ethyl Acetate	2.819	43	130995	2.075	ppbv	99
26) Hexane	2.813	57	50777	2.091	ppbv	96
27) Carbon Disulfide	2.140	76	56650	1.976	ppbv #	70
28) Methyl tert-Butyl Ether	2.428	73	31189	2.052	ppbv	99
29) Chloroform	2.832	83	83628	2.020	ppbv	99
30) Cyclohexane	3.836	84	41150	2.062	ppbv	96
31) cis-1,2-Dichloroethene	2.706	61	51609	2.067	ppbv	95
32) 1,1,1-Trichloroethane	3.350	97	81078	2.015	ppbv	99
34) 2-Butanone	2.544	43	75222	2.049	ppbv	100
35) Carbon Tetrachloride	3.739	117	83331	1.872	ppbv	98
36) Benzene	3.635	78	105052	2.032	ppbv	98
37) 1,2-Dichloroethane	3.201	62	61665	2.014	ppbv	100
38) Trichloroethene	4.519	130	43500	2.020	ppbv	98
39) 1,2-Dichloropropane	4.289	63	38286	1.998	ppbv	97
40) 1,4-Dioxane	4.564	88	16471m	2.002	ppbv	
41) Tetrahydrofuran	3.043	42	39501	2.082	ppbv	98
42) Bromodichloromethane	4.464	83	85622	1.981	ppbv	94
43) Methyl Methacrylate	4.852	69	33288	1.940	ppbv	96
44) 2,2,4-Trimethylpentane	4.609	57	171998	2.074	ppbv	99
45) t-1,3-Dichloropropene	6.383	75	30227	1.944	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043033.D
 Acq On : 02 Oct 2025 10:57
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:02:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.567	75	42818	1.938	ppbv	90
47) 1,1,2-Trichloroethane	6.548	97	42719	2.004	ppbv	93
48) Dibromochloromethane	7.357	129	69735	2.005	ppbv	100
49) Bromoform	9.461	173	58655	2.019	ppbv	99
50) 4-Methyl-2-Pentanone	5.719	43	88751	1.982	ppbv	100
51) 2-Hexanone	7.412	43	62520	1.969	ppbv #	96
52) Tetrachloroethene	8.202	164	38059	1.976	ppbv	97
53) Toluene	6.907	91	104582	2.004	ppbv	100
54) 1,2-Dibromoethane	7.629	107	50973	2.018	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.901	131	54924	2.013	ppbv	95
57) Chlorobenzene	8.901	112	97190	2.054	ppbv	99
58) Ethyl Benzene	9.335	91	143037	2.063	ppbv	97
59) m/p-Xylene	9.529	91	250936m	4.289	ppbv	
60) o-Xylene	9.946	91	124006	2.128	ppbv	98
61) Styrene	9.849	104	46782	1.917	ppbv	98
62) Isopropylbenzene	10.523	105	186358	2.084	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.943	83	84916	2.022	ppbv	99
64) n-propylbenzene	10.972	120	48346	2.113	ppbv	90
65) tert-Butylbenzene	11.516	119	172968	2.173	ppbv	99
66) Benzyl Chloride	11.597	91	5886	1.908	ppbv	99
67) sec-Butylbenzene	11.752	105	245463	2.210	ppbv	99
69) p-Isopropyltoluene	11.911	119	200038	2.214	ppbv	99
70) n-Butylbenzene	12.267	91	192286	2.210	ppbv	98
71) 2-Chlorotoluene	10.885	91	136276	2.105	ppbv	99
72) 4-Ethyltoluene	11.108	105	147421	2.126	ppbv	99
73) 1,3,5-Trimethylbenzene	11.186	105	127419	2.124	ppbv	94
74) 1,2,4-Trimethylbenzene	11.519	105	150033	2.216	ppbv	98
75) 1,3-Dichlorobenzene	11.591	146	92272	2.095	ppbv	99
76) 1,4-Dichlorobenzene	11.655	146	88602	2.110	ppbv	99
77) 1,2-Dichlorobenzene	11.930	146	92779	2.115	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	65408	2.140	ppbv	99
79) Naphthalene	13.500	128	99793	2.006	ppbv	97
80) Naphthalene,2-methyl-	14.445	142	24913	1.530	ppbv	92
81) 1,2,4-Trichlorobenzene	13.426	180	56312	2.158	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043034.D
 Acq On : 02 Oct 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:03:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	174129	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	522004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	431704	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.357 95 313212 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	31391	1.070	ppbv	98
3) Chlorodifluoromethane	1.470	51	29622	1.043	ppbv	97
4) Chloromethane	1.528	50	11539	1.076	ppbv	91
5) Vinyl Chloride	1.573	62	9984	0.981	ppbv	98
6) Bromomethane	1.661	94	4926	1.078	ppbv	97
7) Chloroethane	1.699	64	4474	1.054	ppbv	90
8) Dichlorotetrafluoroethane	1.547	85	24892	1.035	ppbv	98
9) Propene	1.479	41	12033	1.051	ppbv	97
10) Heptane	4.952	43	27247	0.966	ppbv	98
11) Trichlorofluoromethane	1.871	101	32491	1.077	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.130	101	24551	1.034	ppbv	99
13) Ethanol	1.716	45	849	0.777	ppbv #	48
14) Bromoethene	1.774	108	8693	1.021	ppbv #	94
15) Acetone	1.829	43	27190	1.115	ppbv	97
16) 1,3-Butadiene	1.602	39	10229	1.018	ppbv	100
17) tert-Butyl alcohol	2.033	59	27609	1.071	ppbv	96
18) 1,1-Dichloroethene	2.026	96	10892	1.046	ppbv	94
19) Isopropyl Alcohol	1.877	45	12661	1.084	ppbv	86
20) Methylene Chloride	2.052	84	11906	1.119	ppbv #	92
21) Allyl Chloride	2.088	41	15455	0.989	ppbv	96
22) trans-1,2-Dichloroethene	2.331	96	12411	1.050	ppbv	99
23) Vinyl Acetate	2.450	43	5498	1.062	ppbv #	77
24) 1,1-Dichloroethane	2.399	63	23773	1.061	ppbv	97
25) Ethyl Acetate	2.823	43	63776	1.043	ppbv	100
26) Hexane	2.813	57	22126	0.940	ppbv	80
27) Carbon Disulfide	2.140	76	28818	1.037	ppbv #	62
28) Methyl tert-Butyl Ether	2.428	73	15176	1.031	ppbv	99
29) Chloroform	2.832	83	41697	1.039	ppbv	99
30) Cyclohexane	3.839	84	18605	0.962	ppbv	97
31) cis-1,2-Dichloroethene	2.709	61	24206	1.001	ppbv	97
32) 1,1,1-Trichloroethane	3.350	97	38581	0.990	ppbv	95
34) 2-Butanone	2.544	43	35775	1.010	ppbv	100
35) Carbon Tetrachloride	3.742	117	41999	0.978	ppbv	94
36) Benzene	3.638	78	51343	1.029	ppbv	95
37) 1,2-Dichloroethane	3.201	62	30102	1.019	ppbv	99
38) Trichloroethene	4.519	130	22132	1.065	ppbv	90
39) 1,2-Dichloropropane	4.289	63	18915	1.023	ppbv	90
40) 1,4-Dioxane	4.564	88	7860m	0.990	ppbv	
41) Tetrahydrofuran	3.043	42	17630	0.963	ppbv	98
42) Bromodichloromethane	4.460	83	42012	1.007	ppbv	89
43) Methyl Methacrylate	4.849	69	14911	0.901	ppbv	95
44) 2,2,4-Trimethylpentane	4.609	57	77988	0.975	ppbv	96
45) t-1,3-Dichloropropene	6.380	75	13974	0.932	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043034.D
 Acq On : 02 Oct 2025 11:29
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:03:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.570	75	20141m	0.945	ppbv	
47) 1,1,2-Trichloroethane	6.548	97	21164	1.029	ppbv #	85
48) Dibromochloromethane	7.357	129	33636	1.002	ppbv	100
49) Bromoform	9.464	173	26918	0.960	ppbv	98
50) 4-Methyl-2-Pentanone	5.729	43	39803	0.922	ppbv	98
51) 2-Hexanone	7.415	43	26904	0.878	ppbv #	95
52) Tetrachloroethene	8.202	164	17908	0.964	ppbv	97
53) Toluene	6.904	91	45974	0.913	ppbv	98
54) 1,2-Dibromoethane	7.626	107	24648	1.011	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.904	131	26884	1.022	ppbv	95
57) Chlorobenzene	8.898	112	47296	1.036	ppbv	97
58) Ethyl Benzene	9.335	91	59544	0.890	ppbv	97
59) m/p-Xylene	9.532	91	106322m	1.884	ppbv	
60) o-Xylene	9.943	91	52489	0.934	ppbv	100
61) Styrene	9.849	104	19376	0.823	ppbv	97
62) Isopropylbenzene	10.523	105	82825	0.960	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.943	83	40981	1.012	ppbv	99
64) n-propylbenzene	10.972	120	21190	0.960	ppbv	96
65) tert-Butylbenzene	11.516	119	74677	0.973	ppbv	99
66) Benzyl Chloride	11.597	91	2866	0.963	ppbv	98
67) sec-Butylbenzene	11.752	105	106876	0.998	ppbv	100
69) p-Isopropyltoluene	11.911	119	81108	0.931	ppbv	99
70) n-Butylbenzene	12.267	91	76664	0.914	ppbv	97
71) 2-Chlorotoluene	10.885	91	58174	0.932	ppbv	100
72) 4-Ethyltoluene	11.108	105	61540	0.920	ppbv	98
73) 1,3,5-Trimethylbenzene	11.189	105	54851	0.948	ppbv	94
74) 1,2,4-Trimethylbenzene	11.519	105	64405	0.986	ppbv	98
75) 1,3-Dichlorobenzene	11.591	146	42580	1.003	ppbv	98
76) 1,4-Dichlorobenzene	11.655	146	40098	0.990	ppbv	100
77) 1,2-Dichlorobenzene	11.930	146	44771	1.058	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	30422	1.032	ppbv	99
79) Naphthalene	13.497	128	32191	0.831	ppbv	98
80) Naphthalene,2-methyl-	14.442	142	7210	0.923	ppbv	99
81) 1,2,4-Trichlorobenzene	13.426	180	20534	0.816	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043036.D
 Acq On : 02 Oct 2025 12:35
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.771	49	175730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	510906	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	418551	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.358	95	289539	9.603	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.573	62	1208	0.118	ppbv	96
32) 1,1,1-Trichloroethane	3.350	97	3686	0.094	ppbv	96
35) Carbon Tetrachloride	3.739	117	4230	0.101	ppbv #	91
38) Trichloroethene	4.522	130	1971m	0.097	ppbv	
52) Tetrachloroethene	8.199	164	1674	0.092	ppbv #	75
54) 1,2-Dibromoethane	7.626	107	2275m	0.095	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.946	83	3701	0.094	ppbv	93
79) Naphthalene	13.500	128	1393	0.261	ppbv #	94

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

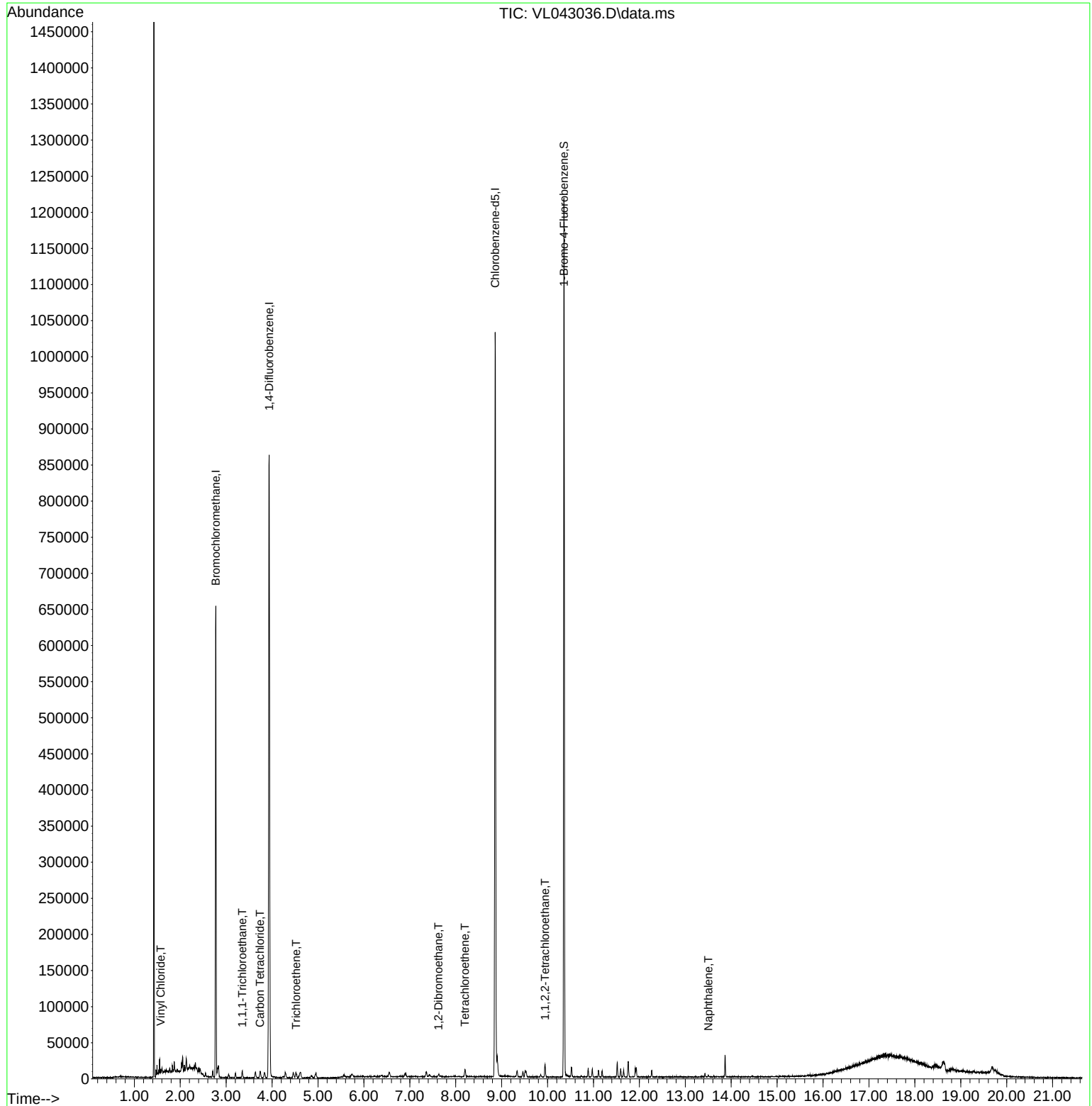
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
Data File : VL043036.D
Acq On : 02 Oct 2025 12:35
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043037.D
 Acq On : 02 Oct 2025 13:07
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:05:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	493591	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	408184	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	280877	9.552	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
32) 1,1,1-Trichloroethane	3.353	97	1314m	0.034	ppbv	Qvalue
35) Carbon Tetrachloride	3.748	117	1490m	0.037	ppbv	
52) Tetrachloroethene	8.205	164	628m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.947	83	1322	0.035	ppbv	96

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

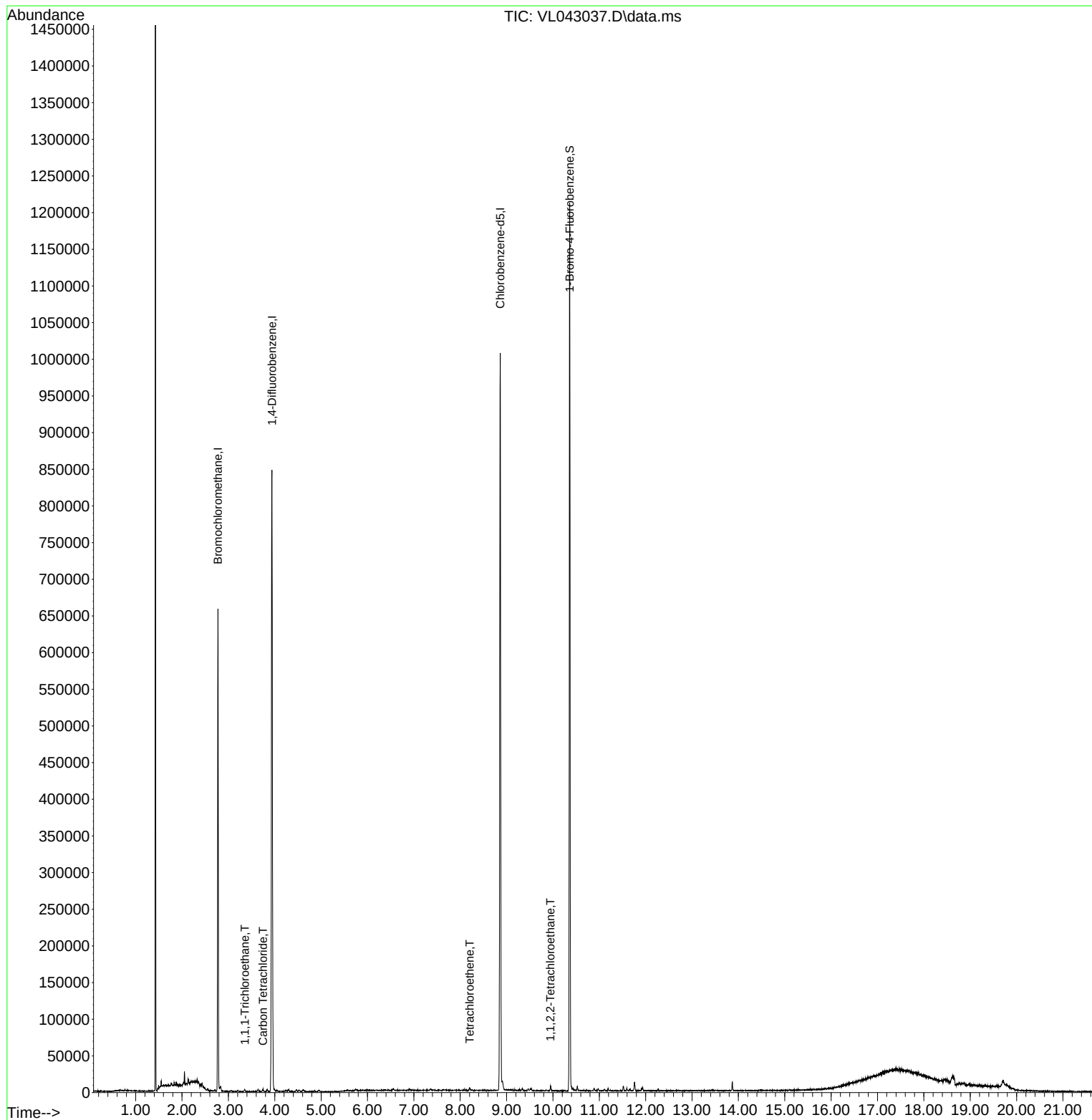
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
Data File : VL043037.D
Acq On : 02 Oct 2025 13:07
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 03 08:05:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
Supervised By : Mahesh Dadoda 10/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043038.D
 Acq On : 02 Oct 2025 13:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:06:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	174781	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	521075	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	446323	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 331763 10.318 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	417041	14.157	ppbv	100
3) Chlorodifluoromethane	1.470	51	396783	13.924	ppbv	100
4) Chloromethane	1.528	50	152053	14.131	ppbv	100
5) Vinyl Chloride	1.573	62	143710	14.073	ppbv	98
6) Bromomethane	1.661	94	66123	14.410	ppbv	97
7) Chloroethane	1.700	64	58804	13.801	ppbv	97
8) Dichlorotetrafluoroethane	1.551	85	342721	14.198	ppbv	100
9) Propene	1.480	41	159689	13.898	ppbv	97
10) Heptane	4.956	43	465543	16.450	ppbv	99
11) Trichlorofluoromethane	1.871	101	430473	14.220	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	337263	14.145	ppbv	97
13) Ethanol	1.713	45	6726	14.884	ppbv	94
14) Bromoethene	1.774	108	123040	14.394	ppbv	99
15) Acetone	1.826	43	302724	12.370	ppbv	100
16) 1,3-Butadiene	1.603	39	142349	14.108	ppbv	99
17) tert-Butyl alcohol	2.030	59	352251	13.608	ppbv	100
18) 1,1-Dichloroethene	2.027	96	150012	14.353	ppbv	98
19) Isopropyl Alcohol	1.878	45	154373	13.166	ppbv	98
20) Methylene Chloride	2.053	84	130116	12.181	ppbv	96
21) Allyl Chloride	2.088	41	223371	14.247	ppbv	99
22) trans-1,2-Dichloroethene	2.331	96	169834	14.313	ppbv	96
23) Vinyl Acetate	2.454	43	60446	11.634	ppbv #	96
24) 1,1-Dichloroethane	2.399	63	320234	14.237	ppbv	100
25) Ethyl Acetate	2.820	43	909988	14.822	ppbv	100
26) Hexane	2.813	57	370003	15.667	ppbv	98
27) Carbon Disulfide	2.143	76	404552	14.510	ppbv	99
28) Methyl tert-Butyl Ether	2.428	73	213111	14.420	ppbv	99
29) Chloroform	2.836	83	576414	14.316	ppbv	99
30) Cyclohexane	3.836	84	314603	16.212	ppbv	99
31) cis-1,2-Dichloroethene	2.710	61	363768	14.984	ppbv	99
32) 1,1,1-Trichloroethane	3.354	97	573214	14.648	ppbv	100
34) 2-Butanone	2.545	43	511000	14.453	ppbv	100
35) Carbon Tetrachloride	3.745	117	604277	14.095	ppbv	97
36) Benzene	3.638	78	748168	15.028	ppbv	98
37) 1,2-Dichloroethane	3.205	62	431043	14.619	ppbv	100
38) Trichloroethene	4.525	130	317772	15.319	ppbv	99
39) 1,2-Dichloropropane	4.289	63	269729	14.617	ppbv	98
40) 1,4-Dioxane	4.554	88	120237	15.173	ppbv #	95
41) Tetrahydrofuran	3.036	42	295205	16.155	ppbv	100
42) Bromodichloromethane	4.464	83	619944	14.890	ppbv	96
43) Methyl Methacrylate	4.852	69	279674	16.923	ppbv	99
44) 2,2,4-Trimethylpentane	4.616	57	1251093	15.661	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	251549	16.802	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043038.D
 Acq On : 02 Oct 2025 13:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:06:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 07:59:23 2025

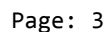
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.571	75	351325	16.515	ppbv	100
47) 1,1,2-Trichloroethane	6.555	97	296142	14.428	ppbv	98
48) Dibromochloromethane	7.364	129	512219	15.290	ppbv	100
49) Bromoform	9.468	173	449641	16.072	ppbv	100
50) 4-Methyl-2-Pentanone	5.713	43	723710	16.786	ppbv	100
51) 2-Hexanone	7.409	43	562773	18.407	ppbv	100
52) Tetrachloroethene	8.205	164	270386	14.575	ppbv	98
53) Toluene	6.911	91	858713	17.085	ppbv	100
54) 1,2-Dibromoethane	7.629	107	378193	15.546	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.908	131	394995	14.519	ppbv	100
57) Chlorobenzene	8.904	112	670949	14.220	ppbv	99
58) Ethyl Benzene	9.338	91	1190670	17.220	ppbv	99
59) m/p-Xylene	9.536	91	1936045m	33.184	ppbv	
60) o-Xylene	9.947	91	969480	16.688	ppbv	99
61) Styrene	9.853	104	462847	19.017	ppbv	100
62) Isopropylbenzene	10.526	105	1455778	16.324	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.947	83	593157	14.167	ppbv	100
64) n-propylbenzene	10.976	120	387627	16.991	ppbv	95
65) tert-Butylbenzene	11.520	119	1283802	16.175	ppbv	99
66) Benzyl Chloride	11.604	91	50421	16.394	ppbv	99
67) sec-Butylbenzene	11.756	105	1758282	15.875	ppbv	98
69) p-Isopropyltoluene	11.915	119	1493674	16.578	ppbv	99
70) n-Butylbenzene	12.271	91	1480662	17.067	ppbv	98
71) 2-Chlorotoluene	10.889	91	1085558	16.819	ppbv	100
72) 4-Ethyltoluene	11.112	105	1190551	17.218	ppbv	99
73) 1,3,5-Trimethylbenzene	11.190	105	1001678	16.745	ppbv	100
74) 1,2,4-Trimethylbenzene	11.523	105	1091026	16.160	ppbv	95
75) 1,3-Dichlorobenzene	11.594	146	665205	15.149	ppbv	100
76) 1,4-Dichlorobenzene	11.659	146	656125	15.671	ppbv	99
77) 1,2-Dichlorobenzene	11.934	146	632662	14.465	ppbv	99
78) Hexachloro-1,3-Butadiene	13.870	225	435408	14.288	ppbv	100
79) Naphthalene	13.501	128	887779	14.984	ppbv	99
80) Naphthalene,2-methyl-	14.446	142	421038	15.372	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	489642	18.818	ppbv	99

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

Manual Integrations APPROVED

Quant Time: Oct 03 08:06:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:24:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Oct 03 08:22:04 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	178544	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	537412	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	454012	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 333843 10.207 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	287085	9.540	ppbv	100
3) Chlorodifluoromethane	1.473	51	275618	9.468	ppbv	99
4) Chloromethane	1.528	50	104427	9.501	ppbv	98
5) Vinyl Chloride	1.577	62	98850	9.476	ppbv	97
6) Bromomethane	1.664	94	46326	9.883	ppbv	97
7) Chloroethane	1.700	64	40636	9.336	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	235901	9.567	ppbv	99
9) Propene	1.480	41	115956	9.879	ppbv	99
10) Heptane	4.956	43	311038	10.779	ppbv	100
11) Trichlorofluoromethane	1.871	101	291376	9.422	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	228314	9.374	ppbv	97
13) Ethanol	1.716	45	4643	9.646	ppbv	98
14) Bromoethene	1.777	108	85349	9.774	ppbv	99
15) Acetone	1.829	43	204381	8.176	ppbv	100
16) 1,3-Butadiene	1.606	39	95179	9.234	ppbv	99
17) tert-Butyl alcohol	2.033	59	249385	9.431	ppbv	99
18) 1,1-Dichloroethene	2.026	96	101929	9.547	ppbv	95
19) Isopropyl Alcohol	1.878	45	109403	9.134	ppbv	99
20) Methylene Chloride	2.056	84	89214	8.176	ppbv	97
21) Allyl Chloride	2.088	41	151234	9.443	ppbv	99
22) trans-1,2-Dichloroethene	2.331	96	115000	9.487	ppbv	97
23) Vinyl Acetate	2.454	43	45886	8.646	ppbv	97
24) 1,1-Dichloroethane	2.399	63	217319	9.458	ppbv	98
25) Ethyl Acetate	2.823	43	628433	10.021	ppbv	100
26) Hexane	2.816	57	253815	10.521	ppbv	98
27) Carbon Disulfide	2.143	76	273348	9.598	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	147450	9.767	ppbv	99
29) Chloroform	2.836	83	388247	9.439	ppbv	100
30) Cyclohexane	3.839	84	216007	10.896	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	249555	10.063	ppbv	97
32) 1,1,1-Trichloroethane	3.354	97	387043	9.682	ppbv	100
34) 2-Butanone	2.544	43	346463	9.501	ppbv	100
35) Carbon Tetrachloride	3.745	117	399311	9.031	ppbv	96
36) Benzene	3.642	78	514339	10.017	ppbv	98
37) 1,2-Dichloroethane	3.205	62	289339	9.515	ppbv	100
38) Trichloroethene	4.528	130	213727	9.992	ppbv	98
39) 1,2-Dichloropropane	4.292	63	183886	9.662	ppbv	97
40) 1,4-Dioxane	4.558	88	80249	9.831	ppbv #	98
41) Tetrahydrofuran	3.040	42	201471	10.690	ppbv	100
42) Bromodichloromethane	4.467	83	413457	9.629	ppbv	98
43) Methyl Methacrylate	4.855	69	189993	11.147	ppbv	99
44) 2,2,4-Trimethylpentane	4.619	57	847766	10.290	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	164370	10.538	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 08:24:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 08:22:04 2025

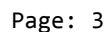
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	232895	10.597	ppbv	98
47) 1,1,2-Trichloroethane	6.558	97	196496	9.282	ppbv	97
48) Dibromochloromethane	7.367	129	336813	9.749	ppbv	99
49) Bromoform	9.468	173	275751	9.557	ppbv	100
50) 4-Methyl-2-Pentanone	5.720	43	484498	10.896	ppbv	100
51) 2-Hexanone	7.412	43	355624	11.236	ppbv	99
52) Tetrachloroethene	8.208	164	182062	9.576	ppbv	99
53) Toluene	6.911	91	572257	11.040	ppbv	100
54) 1,2-Dibromoethane	7.632	107	247276	9.855	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.908	131	259863	9.390	ppbv	99
57) Chlorobenzene	8.904	112	447850	9.331	ppbv	100
58) Ethyl Benzene	9.338	91	775232	11.022	ppbv	98
59) m/p-Xylene	9.535	91	1265386m	21.330	ppbv	
60) o-Xylene	9.950	91	628486	10.635	ppbv	99
61) Styrene	9.856	104	284955	11.510	ppbv	100
62) Isopropylbenzene	10.526	105	939236	10.353	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	360837	8.511	ppbv	99
64) n-propylbenzene	10.976	120	240769	10.375	ppbv	98
65) tert-Butylbenzene	11.520	119	814322	10.086	ppbv	100
66) Benzyl Chloride	11.604	91	26124	8.466	ppbv	99
67) sec-Butylbenzene	11.756	105	1122743	9.965	ppbv	99
69) p-Isopropyltoluene	11.914	119	937600	10.230	ppbv	100
70) n-Butylbenzene	12.270	91	913299	10.349	ppbv	100
71) 2-Chlorotoluene	10.888	91	673074	10.251	ppbv	100
72) 4-Ethyltoluene	11.112	105	744145	10.579	ppbv	100
73) 1,3,5-Trimethylbenzene	11.193	105	621377	10.212	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	684740	9.971	ppbv	93
75) 1,3-Dichlorobenzene	11.594	146	409217	9.161	ppbv	98
76) 1,4-Dichlorobenzene	11.659	146	398965	9.368	ppbv	100
77) 1,2-Dichlorobenzene	11.934	146	384233	8.636	ppbv	99
78) Hexachloro-1,3-Butadiene	13.869	225	289545	9.340	ppbv	99
79) Naphthalene	13.500	128	552627	9.523	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	223063	8.323	ppbv	98
81) 1,2,4-Trichlorobenzene	13.429	180	317372	11.990	ppbv	100

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

Manual Integrations APPROVED

Quant Time: Oct 03 08:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 08:22:04 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Quant Time: Oct 03 08:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:22:04 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	102	0.00
2 T	Dichlorodifluoromethane	1.685	1.608	4.6	103	0.00
3	Chlorodifluoromethane	1.630	1.544	5.3	103	0.00
4	Chloromethane	0.616	0.585	5.0	103	0.00
5 T	Vinyl Chloride	0.584	0.554	5.1	104	0.00
6 T	Bromomethane	0.263	0.259	1.5	106	0.00
7	Chloroethane	0.244	0.228	6.6	104	0.00
8 T	Dichlorotetrafluoroethane	1.381	1.321	4.3	103	0.00
9 T	Propene	0.657	0.649	1.2	104	0.00
10 T	Heptane	1.616	1.742	-7.8	101	0.00
11 T	Trichlorofluoromethane	1.732	1.632	5.8	102	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.364	1.279	6.2	101	0.00
13	Ethanol	0.045	0.026#	42.2#	97	0.00
14 T	Bromoethene	0.489	0.478	2.2	104	0.00
15 T	Acetone	1.400	1.145	18.2	102	0.00
16 T	1,3-Butadiene	0.577	0.533	7.6	101	0.00
17	tert-Butyl alcohol	1.481	1.397	5.7	103	0.00
18 T	1,1-Dichloroethene	0.598	0.571	4.5	101	0.00
19 T	Isopropyl Alcohol	0.671	0.613	8.6	103	0.00
20 T	Methylene Chloride	0.611	0.500	18.2	104	0.00
21 T	Allyl Chloride	0.897	0.847	5.6	102	0.00
22 T	trans-1,2-Dichloroethene	0.679	0.644	5.2	103	0.00
23 T	Vinyl Acetate	0.297	0.257	13.5	107	0.00
24 T	1,1-Dichloroethane	1.287	1.217	5.4	103	0.00
25 T	Ethyl Acetate	3.513	3.520	-0.2	102	0.00
26 T	Hexane	1.351	1.422	-5.3	103	0.00
27 T	Carbon Disulfide	1.595	1.531	4.0	102	0.00
28 T	Methyl tert-Butyl Ether	0.846	0.826	2.4	102	0.00
29 T	Chloroform	2.304	2.175	5.6	100	0.00
30 T	Cyclohexane	1.110	1.210	-9.0	103	0.00
31 T	cis-1,2-Dichloroethene	1.389	1.398	-0.6	101	0.00
32 T	1,1,1-Trichloroethane	2.239	2.168	3.2	102	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
34 T	2-Butanone	0.679	0.645	5.0	101	0.00
35 T	Carbon Tetrachloride	0.823	0.743	9.7	100	0.00
36 T	Benzene	0.955	0.957	-0.2	102	0.00
37 T	1,2-Dichloroethane	0.566	0.538	4.9	101	0.00
38 T	Trichloroethene	0.398	0.398	0.0	100	0.00
39 T	1,2-Dichloropropane	0.354	0.342	3.4	100	0.00
40 T	1,4-Dioxane	0.152	0.149	2.0	98	0.00
41 T	Tetrahydrofuran	0.351	0.375	-6.8	102	0.00
42 T	Bromodichloromethane	0.799	0.769	3.8	100	0.00
43	Methyl Methacrylate	0.317	0.354	-11.7	103	0.00
44 T	2,2,4-Trimethylpentane	1.533	1.577	-2.9	102	0.00
45 T	t-1,3-Dichloropropene	0.290	0.306	-5.5	100	0.00
46 T	cis-1,3-Dichloropropene	0.409	0.433	-5.9	101	0.00
47 T	1,1,2-Trichloroethane	0.394	0.366	7.1	100	0.00
48 T	Dibromochloromethane	0.643	0.627	2.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Quant Time: Oct 03 08:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:22:04 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	0.537	0.513	4.5	94	0.00
50 T	4-Methyl-2-Pentanone	0.827	0.902	-9.1	102	0.00
51 T	2-Hexanone	0.589	0.662	-12.4	98	0.00
52 T	Tetrachloroethene	0.354	0.339	4.2	101	0.00
53 T	Toluene	0.965	1.065	-10.4	101	0.00
54 T	1,2-Dibromoethane	0.467	0.460	1.5	98	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
56	1,1,1,2-Tetrachloroethane	0.610	0.572	6.2	98	0.00
57 T	Chlorobenzene	1.057	0.986	6.7	98	0.00
58 T	Ethyl Benzene	1.549	1.708	-10.3	98	0.00
59 T	m/p-Xylene	1.307	1.394	-6.7	98	0.00
60 T	o-Xylene	1.302	1.384	-6.3	97	0.00
61 T	Styrene	0.545	0.628	-15.2	95	0.00
62	Isopropylbenzene	1.998	2.069	-3.6	98	0.00
63 T	1,1,2,2-Tetrachloroethane	0.934	0.795	14.9	92	0.00
64	n-propylbenzene	0.511	0.530	-3.7	96	0.00
65	tert-Butylbenzene	1.778	1.794	-0.9	94	0.00
66 T	Benzyl Chloride	0.068	0.058	14.7	85	0.00
67	sec-Butylbenzene	2.482	2.473	0.4	94	0.00
68 S	1-Bromo-4-Fluorobenzene	0.720	0.735	-2.1	101	0.00
69	p-Isopropyltoluene	2.019	2.065	-2.3	93	0.00
70	n-Butylbenzene	1.944	2.012	-3.5	92	0.00
71	2-Chlorotoluene	1.446	1.483	-2.6	95	0.00
72 T	4-Ethyltoluene	1.549	1.639	-5.8	95	0.00
73 T	1,3,5-Trimethylbenzene	1.340	1.369	-2.2	94	0.00
74 T	1,2,4-Trimethylbenzene	1.513	1.508	0.3	94	0.00
75 T	1,3-Dichlorobenzene	0.984	0.901	8.4	93	0.00
76 T	1,4-Dichlorobenzene	0.938	0.879	6.3	92	0.00
77 T	1,2-Dichlorobenzene	0.980	0.846	13.7	92	0.00
78 T	Hexachloro-1,3-Butadiene	0.683	0.638	6.6	100	0.00
79 T	Naphthalene	0.903	1.217	-34.8#	96	0.00
80 T	Naphthalene,2-methyl-	0.457	0.491	-7.4	88	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.699	-19.9	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Quant Time: Oct 03 08:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:22:04 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	102	0.00
2 T	Dichlorodifluoromethane	10.000	9.540	4.6	103	0.00
3	Chlorodifluoromethane	10.000	9.468	5.3	103	0.00
4	Chloromethane	10.000	9.501	5.0	103	0.00
5 T	Vinyl Chloride	10.000	9.476	5.2	104	0.00
6 T	Bromomethane	10.000	9.883	1.2	106	0.00
7	Chloroethane	10.000	9.336	6.6	104	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.567	4.3	103	0.00
9 T	Propene	10.000	9.879	1.2	104	0.00
10 T	Heptane	10.000	10.779	-7.8	101	0.00
11 T	Trichlorofluoromethane	10.000	9.422	5.8	102	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.374	6.3	101	0.00
13	Ethanol	10.000	9.646	3.5	97	0.00
14 T	Bromoethene	10.000	9.774	2.3	104	0.00
15 T	Acetone	10.000	8.176	18.2	102	0.00
16 T	1,3-Butadiene	10.000	9.234	7.7	101	0.00
17	tert-Butyl alcohol	10.000	9.431	5.7	103	0.00
18 T	1,1-Dichloroethene	10.000	9.547	4.5	101	0.00
19 T	Isopropyl Alcohol	10.000	9.134	8.7	103	0.00
20 T	Methylene Chloride	10.000	8.176	18.2	104	0.00
21 T	Allyl Chloride	10.000	9.443	5.6	102	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.487	5.1	103	0.00
23 T	Vinyl Acetate	10.000	8.646	13.5	107	0.00
24 T	1,1-Dichloroethane	10.000	9.458	5.4	103	0.00
25 T	Ethyl Acetate	10.000	10.021	-0.2	102	0.00
26 T	Hexane	10.000	10.521	-5.2	103	0.00
27 T	Carbon Disulfide	10.000	9.598	4.0	102	0.00
28 T	Methyl tert-Butyl Ether	10.000	9.767	2.3	102	0.00
29 T	Chloroform	10.000	9.439	5.6	100	0.00
30 T	Cyclohexane	10.000	10.896	-9.0	103	0.00
31 T	cis-1,2-Dichloroethene	10.000	10.063	-0.6	101	0.00
32 T	1,1,1-Trichloroethane	10.000	9.682	3.2	102	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	103	0.00
34 T	2-Butanone	10.000	9.501	5.0	101	0.00
35 T	Carbon Tetrachloride	10.000	9.031	9.7	100	0.00
36 T	Benzene	10.000	10.017	-0.2	102	0.00
37 T	1,2-Dichloroethane	10.000	9.515	4.8	101	0.00
38 T	Trichloroethene	10.000	9.992	0.1	100	0.00
39 T	1,2-Dichloropropane	10.000	9.662	3.4	100	0.00
40 T	1,4-Dioxane	10.000	9.831	1.7	98	0.00
41 T	Tetrahydrofuran	10.000	10.690	-6.9	102	0.00
42 T	Bromodichloromethane	10.000	9.629	3.7	100	0.00
43	Methyl Methacrylate	10.000	11.147	-11.5	103	0.00
44 T	2,2,4-Trimethylpentane	10.000	10.290	-2.9	102	0.00
45 T	t-1,3-Dichloropropene	10.000	10.538	-5.4	100	0.00
46 T	cis-1,3-Dichloropropene	10.000	10.597	-6.0	101	0.00
47 T	1,1,2-Trichloroethane	10.000	9.282	7.2	100	0.00
48 T	Dibromochloromethane	10.000	9.749	2.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Quant Time: Oct 03 08:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:22:04 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	9.557	4.4	94	0.00
50 T	4-Methyl-2-Pentanone	10.000	10.896	-9.0	102	0.00
51 T	2-Hexanone	10.000	11.236	-12.4	98	0.00
52 T	Tetrachloroethene	10.000	9.576	4.2	101	0.00
53 T	Toluene	10.000	11.040	-10.4	101	0.00
54 T	1,2-Dibromoethane	10.000	9.855	1.4	98	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
56	1,1,1,2-Tetrachloroethane	10.000	9.390	6.1	98	0.00
57 T	Chlorobenzene	10.000	9.331	6.7	98	0.00
58 T	Ethyl Benzene	10.000	11.022	-10.2	98	0.00
59 T	m/p-Xylene	20.000	21.330	-6.6	98	0.00
60 T	o-Xylene	10.000	10.635	-6.3	97	0.00
61 T	Styrene	10.000	11.510	-15.1	95	0.00
62	Isopropylbenzene	10.000	10.353	-3.5	98	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.511	14.9	92	0.00
64	n-propylbenzene	10.000	10.375	-3.8	96	0.00
65	tert-Butylbenzene	10.000	10.086	-0.9	94	0.00
66 T	Benzyl Chloride	10.000	8.466	15.3	85	0.00
67	sec-Butylbenzene	10.000	9.965	0.4	94	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.207	-2.1	101	0.00
69	p-Isopropyltoluene	10.000	10.230	-2.3	93	0.00
70	n-Butylbenzene	10.000	10.349	-3.5	92	0.00
71	2-Chlorotoluene	10.000	10.251	-2.5	95	0.00
72 T	4-Ethyltoluene	10.000	10.579	-5.8	95	0.00
73 T	1,3,5-Trimethylbenzene	10.000	10.212	-2.1	94	0.00
74 T	1,2,4-Trimethylbenzene	10.000	9.971	0.3	94	0.00
75 T	1,3-Dichlorobenzene	10.000	9.161	8.4	93	0.00
76 T	1,4-Dichlorobenzene	10.000	9.368	6.3	92	0.00
77 T	1,2-Dichlorobenzene	10.000	8.636	13.6	92	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	9.340	6.6	100	0.00
79 T	Naphthalene	10.000	9.523	4.8	96	0.00
80 T	Naphthalene,2-methyl-	10.000	8.323	16.8	88	0.00
81 T	1,2,4-Trichlorobenzene	10.000	11.990	-19.9	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3320</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>10/08/2025 08:54</u>
Lab File ID:	<u>VL043054.D</u>	Init. Calib. Date(s):	<u>10/02/2025 10/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:50 13:41</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.685	1.680		-0.3	30
Chloromethane	0.616	0.620		0.65	30
Vinyl Chloride	0.584	0.574		-1.71	30
Bromomethane	0.263	0.263		0	30
Chloroethane	0.244	0.242		-0.82	30
Tetrahydrofuran	0.351	0.392		11.68	30
Trichlorofluoromethane	1.732	1.729		-0.17	30
1,1,2-Trichlorotrifluoroethane	1.364	1.316		-3.52	30
Dichlorotetrafluoroethane	1.381	1.368		-0.94	30
tert-Butyl alcohol	1.481	1.420		-4.12	30
Heptane	1.616	1.775		9.84	30
1,1-Dichloroethene	0.598	0.576		-3.68	30
Acetone	1.400	1.226		-12.43	30
Carbon Disulfide	1.595	1.601		0.38	30
Methyl tert-Butyl Ether	0.846	0.778		-8.04	30
Methylene Chloride	0.611	0.512		-16.2	30
trans-1,2-Dichloroethene	0.679	0.652		-3.98	30
1,1-Dichloroethane	1.287	1.264		-1.79	30
Cyclohexane	1.110	1.153		3.87	30
2-Butanone	0.679	0.692		1.91	30
Carbon Tetrachloride	0.823	0.836		1.58	30
cis-1,2-Dichloroethene	1.389	1.331		-4.18	30
Chloroform	2.304	2.242		-2.69	30
1,1,1-Trichloroethane	2.239	2.130		-4.87	30
2,2,4-Trimethylpentane	1.533	1.748		14.02	30
Benzene	0.955	1.013		6.07	30
1,2-Dichloroethane	0.566	0.598		5.65	30
Trichloroethene	0.398	0.422		6.03	30
1,2-Dichloropropane	0.354	0.373		5.37	30
Bromodichloromethane	0.799	0.844		5.63	30
4-Methyl-2-Pentanone	0.827	0.969		17.17	30
Toluene	0.965	1.094		13.37	30
t-1,3-Dichloropropene	0.290	0.298		2.76	30
cis-1,3-Dichloropropene	0.409	0.437		6.85	30
1,1,2-Trichloroethane	0.394	0.404		2.54	30
Dibromochloromethane	0.643	0.674		4.82	30
1,2-Dibromoethane	0.467	0.492		5.35	30
Tetrachloroethene	0.354	0.348		-1.7	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3320</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>10/08/2025 08:54</u>
Lab File ID:	<u>VL043054.D</u>	Init. Calib. Date(s):	<u>10/02/2025 10/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:50 13:41</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.057	1.107		4.73	30
Ethyl Benzene	1.549	1.843		18.98	30
m/p-Xylene	1.307	1.557		19.13	30
o-Xylene	1.302	1.558		19.66	30
Styrene	0.545	0.656		20.37	30
Bromoform	0.537	0.566		5.4	30
1,1,2,2-Tetrachloroethane	0.934	0.952		1.93	30
2-Chlorotoluene	1.446	1.654		14.39	30
1,3,5-Trimethylbenzene	1.340	1.538		14.78	30
1,2,4-Trimethylbenzene	1.513	1.733		14.54	30
1,3-Dichlorobenzene	0.984	1.008		2.44	30
1,4-Dichlorobenzene	0.938	1.000		6.61	30
1,2-Dichlorobenzene	0.980	0.972		-0.82	30
1,2,4-Trichlorobenzene	0.583	0.761		30.53	30
Hexachloro-1,3-Butadiene	0.683	0.723		5.86	30
1,3-Butadiene	0.577	0.571		-1.04	30
Naphthalene	0.903	1.337		48.06	30
4-Ethyltoluene	1.549	1.846		19.17	30
1-Bromo-4-Fluorobenzene	0.720	0.782		8.61	30
Hexane	1.351	1.423		5.33	30
Allyl Chloride	0.897	0.878		-2.12	30
1,4-Dioxane	151.898	161.150		6.09	30
Methyl Methacrylate	0.317	0.353		11.36	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/09/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:12:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	178633	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	491196	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	404989	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 316847 10.860 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	300021	9.965	ppbv	100
3) Chlorodifluoromethane	1.479	51	285882	9.816	ppbv	99
4) Chloromethane	1.534	50	110739	10.070	ppbv	100
5) Vinyl Chloride	1.583	62	102462	9.817	ppbv	99
6) Bromomethane	1.670	94	47015	10.025	ppbv	100
7) Chloroethane	1.706	64	43231	9.927	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	244404	9.907	ppbv	100
9) Propene	1.486	41	110049	9.371	ppbv	97
10) Heptane	4.988	43	317138	10.984	ppbv	100
11) Trichlorofluoromethane	1.881	101	308928	9.985	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	235021	9.645	ppbv	100
13) Ethanol	1.722	45	4836	10.094	ppbv	94
14) Bromoethene	1.784	108	84786	9.705	ppbv	99
15) Acetone	1.835	43	218946	8.754	ppbv	99
16) 1,3-Butadiene	1.612	39	102003	9.892	ppbv	98
17) tert-Butyl alcohol	2.042	59	253647	9.587	ppbv	99
18) 1,1-Dichloroethene	2.036	96	102910	9.634	ppbv	96
19) Isopropyl Alcohol	1.887	45	110173	9.194	ppbv	95
20) Methylene Chloride	2.065	84	91496	8.381	ppbv	96
21) Allyl Chloride	2.097	41	156853	9.789	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	116424	9.600	ppbv	99
23) Vinyl Acetate	2.466	43	41001	7.721	ppbv #	95
24) 1,1-Dichloroethane	2.411	63	225799	9.822	ppbv	99
25) Ethyl Acetate	2.839	43	640475	10.207	ppbv	100
26) Hexane	2.829	57	254276	10.535	ppbv	100
27) Carbon Disulfide	2.152	76	285988	10.036	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	138930	9.198	ppbv	99
29) Chloroform	2.852	83	400562	9.734	ppbv	98
30) Cyclohexane	3.861	84	206027	10.388	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	237742	9.582	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	380576	9.516	ppbv	99
34) 2-Butanone	2.560	43	339746	10.194	ppbv	100
35) Carbon Tetrachloride	3.768	117	410481	10.157	ppbv	99
36) Benzene	3.664	78	497724	10.606	ppbv	99
37) 1,2-Dichloroethane	3.224	62	293620	10.564	ppbv	99
38) Trichloroethene	4.554	130	207337	10.606	ppbv	98
39) 1,2-Dichloropropane	4.321	63	183162	10.529	ppbv	93
40) 1,4-Dioxane	4.586	88	79156	10.609	ppbv #	93
41) Tetrahydrofuran	3.055	42	192469	11.173	ppbv	99
42) Bromodichloromethane	4.496	83	414498	10.561	ppbv	99
43) Methyl Methacrylate	4.887	69	173411	11.131	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	858487	11.400	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	146489	10.275	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:12:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	214603	10.684	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	198270	10.247	ppbv	97
48) Dibromochloromethane	7.396	129	331247	10.490	ppbv	99
49) Bromoform	9.490	173	278004	10.541	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	476185	11.716	ppbv	98
51) 2-Hexanone	7.441	43	357942	12.373	ppbv #	97
52) Tetrachloroethene	8.234	164	171023	9.842	ppbv	99
53) Toluene	6.943	91	537460	11.344	ppbv	99
54) 1,2-Dibromoethane	7.661	107	241443	10.528	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	263217	10.662	ppbv	99
57) Chlorobenzene	8.930	112	448132	10.467	ppbv	99
58) Ethyl Benzene	9.360	91	746366	11.896	ppbv	99
59) m/p-Xylene	9.558	91	1260847m	23.826	ppbv	
60) o-Xylene	9.969	91	631124	11.972	ppbv	99
61) Styrene	9.878	104	265817	12.037	ppbv	100
62) Isopropylbenzene	10.545	105	937727	11.588	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	385656	10.198	ppbv	100
64) n-propylbenzene	10.995	120	243735	11.774	ppbv	98
65) tert-Butylbenzene	11.535	119	832617	11.561	ppbv	100
66) Benzyl Chloride	11.620	91	28811	10.467	ppbv	100
67) sec-Butylbenzene	11.772	105	1140714	11.350	ppbv	100
69) p-Isopropyltoluene	11.930	119	944301	11.550	ppbv	100
70) n-Butylbenzene	12.286	91	913129	11.600	ppbv	100
71) 2-Chlorotoluene	10.908	91	669943	11.439	ppbv	99
72) 4-Ethyltoluene	11.131	105	747654	11.916	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	622884	11.476	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	701955	11.459	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	408359	10.249	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	404912	10.658	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	393683	9.920	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	292935	10.593	ppbv	99
79) Naphthalene	13.516	128	541487	10.391	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	203182	8.485	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	308127	13.050	ppbv	99

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

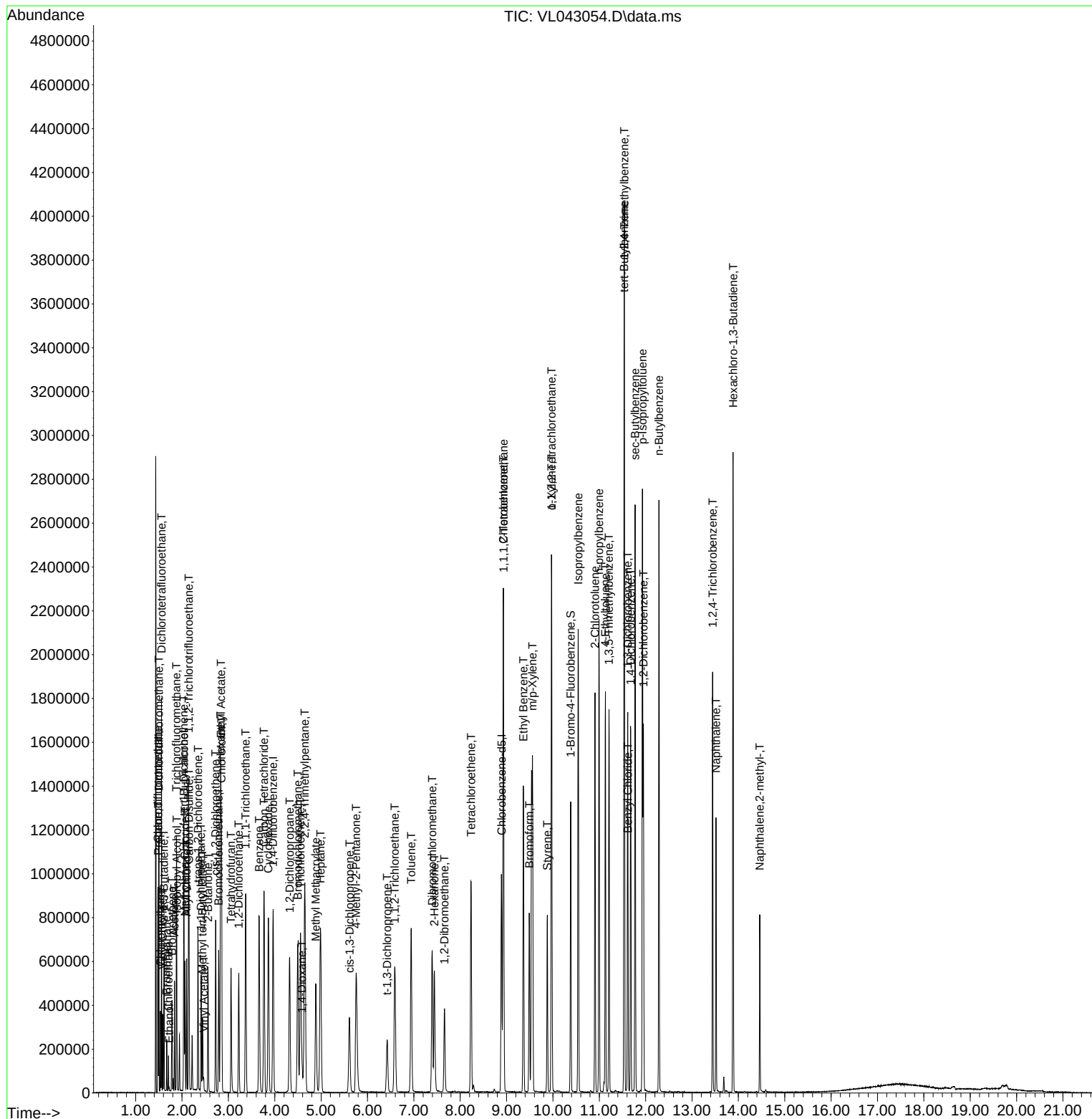
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/09/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	102	0.02
2 T	Dichlorodifluoromethane	1.685	1.680	0.3	108	0.00
3	Chlorodifluoromethane	1.630	1.600	1.8	107	0.00
4	Chloromethane	0.616	0.620	-0.6	109	0.00
5 T	Vinyl Chloride	0.584	0.574	1.7	108	0.00
6 T	Bromomethane	0.263	0.263	0.0	108	0.00
7	Chloroethane	0.244	0.242	0.8	111	0.00
8 T	Dichlorotetrafluoroethane	1.381	1.368	0.9	107	0.00
9 T	Propene	0.657	0.616	6.2	99	0.00
10 T	Heptane	1.616	1.775	-9.8	103	0.03
11 T	Trichlorofluoromethane	1.732	1.729	0.2	108	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.364	1.316	3.5	104	0.01
13	Ethanol	0.045	0.027#	40.0#	101	0.00
14 T	Bromoethene	0.489	0.475	2.9	103	0.00
15 T	Acetone	1.400	1.226	12.4	109	0.00
16 T	1,3-Butadiene	0.577	0.571	1.0	108	0.00
17	tert-Butyl alcohol	1.481	1.420	4.1	105	0.00
18 T	1,1-Dichloroethene	0.598	0.576	3.7	102	0.00
19 T	Isopropyl Alcohol	0.671	0.617	8.0	104	0.00
20 T	Methylene Chloride	0.611	0.512	16.2	106	0.01
21 T	Allyl Chloride	0.897	0.878	2.1	106	0.00
22 T	trans-1,2-Dichloroethene	0.679	0.652	4.0	104	0.01
23 T	Vinyl Acetate	0.297	0.230	22.6	96	0.02
24 T	1,1-Dichloroethane	1.287	1.264	1.8	107	0.01
25 T	Ethyl Acetate	3.513	3.585	-2.0	104	0.02
26 T	Hexane	1.351	1.423	-5.3	103	0.02
27 T	Carbon Disulfide	1.595	1.601	-0.4	107	0.00
28 T	Methyl tert-Butyl Ether	0.846	0.778	8.0	96	0.01
29 T	Chloroform	2.304	2.242	2.7	103	0.02
30 T	Cyclohexane	1.110	1.153	-3.9	98	0.02
31 T	cis-1,2-Dichloroethene	1.389	1.331	4.2	96	0.02
32 T	1,1,1-Trichloroethane	2.239	2.130	4.9	100	0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.02
34 T	2-Butanone	0.679	0.692	-1.9	99	0.02
35 T	Carbon Tetrachloride	0.823	0.836	-1.6	103	0.02
36 T	Benzene	0.955	1.013	-6.1	99	0.03
37 T	1,2-Dichloroethane	0.566	0.598	-5.7	102	0.02
38 T	Trichloroethene	0.398	0.422	-6.0	97	0.03
39 T	1,2-Dichloropropane	0.354	0.373	-5.4	100	0.03
40 T	1,4-Dioxane	0.152	0.161	-5.9	96	0.03
41 T	Tetrahydrofuran	0.351	0.392	-11.7	98	0.02
42 T	Bromodichloromethane	0.799	0.844	-5.6	100	0.03
43	Methyl Methacrylate	0.317	0.353	-11.4	94	0.04
44 T	2,2,4-Trimethylpentane	1.533	1.748	-14.0	103	0.03
45 T	t-1,3-Dichloropropene	0.290	0.298	-2.8	89	0.04
46 T	cis-1,3-Dichloropropene	0.409	0.437	-6.8	93	0.04
47 T	1,1,2-Trichloroethane	0.394	0.404	-2.5	101	0.04
48 T	Dibromochloromethane	0.643	0.674	-4.8	96	0.03

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	0.537	0.566	-5.4	95	0.03
50 T	4-Methyl-2-Pentanone	0.827	0.969	-17.2	100	0.04
51 T	2-Hexanone	0.589	0.729	-23.8	99	0.03
52 T	Tetrachloroethene	0.354	0.348	1.7	95	0.03
53 T	Toluene	0.965	1.094	-13.4	94	0.04
54 T	1,2-Dibromoethane	0.467	0.492	-5.4	96	0.03
55 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.03
56	1,1,1,2-Tetrachloroethane	0.610	0.650	-6.6	99	0.03
57 T	Chlorobenzene	1.057	1.107	-4.7	98	0.03
58 T	Ethyl Benzene	1.549	1.843	-19.0	95	0.02
59 T	m/p-Xylene	1.307	1.557	-19.1	97	0.03
60 T	o-Xylene	1.302	1.558	-19.7	98	0.02
61 T	Styrene	0.545	0.656	-20.4	89	0.03
62	Isopropylbenzene	1.998	2.315	-15.9	98	0.02
63 T	1,1,2,2-Tetrachloroethane	0.934	0.952	-1.9	99	0.02
64	n-propylbenzene	0.511	0.602	-17.8	97	0.02
65	tert-Butylbenzene	1.778	2.056	-15.6	96	0.02
66 T	Benzyl Chloride	0.068	0.071	-4.4	93	0.02
67	sec-Butylbenzene	2.482	2.817	-13.5	96	0.02
68 S	1-Bromo-4-Fluorobenzene	0.720	0.782	-8.6	96	0.02
69	p-Isopropyltoluene	2.019	2.332	-15.5	94	0.02
70	n-Butylbenzene	1.944	2.255	-16.0	92	0.02
71	2-Chlorotoluene	1.446	1.654	-14.4	94	0.02
72 T	4-Ethyltoluene	1.549	1.846	-19.2	95	0.02
73 T	1,3,5-Trimethylbenzene	1.340	1.538	-14.8	95	0.02
74 T	1,2,4-Trimethylbenzene	1.513	1.733	-14.5	96	0.02
75 T	1,3-Dichlorobenzene	0.984	1.008	-2.4	93	0.02
76 T	1,4-Dichlorobenzene	0.938	1.000	-6.6	93	0.02
77 T	1,2-Dichlorobenzene	0.980	0.972	0.8	94	0.02
78 T	Hexachloro-1,3-Butadiene	0.683	0.723	-5.9	101	0.02
79 T	Naphthalene	0.903	1.337	-48.1#	94	0.02
80 T	Naphthalene,2-methyl-	0.457	0.502	-9.8	80	0.02
81 T	1,2,4-Trichlorobenzene	0.583	0.761	-30.5#	99	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	102	0.02
2 T	Dichlorodifluoromethane	10.000	9.965	0.4	108	0.00
3	Chlorodifluoromethane	10.000	9.816	1.8	107	0.00
4	Chloromethane	10.000	10.070	-0.7	109	0.00
5 T	Vinyl Chloride	10.000	9.817	1.8	108	0.00
6 T	Bromomethane	10.000	10.025	-0.3	108	0.00
7	Chloroethane	10.000	9.927	0.7	111	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.907	0.9	107	0.00
9 T	Propene	10.000	9.371	6.3	99	0.00
10 T	Heptane	10.000	10.984	-9.8	103	0.03
11 T	Trichlorofluoromethane	10.000	9.985	0.2	108	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.645	3.6	104	0.01
13	Ethanol	10.000	10.094	-0.9	101	0.00
14 T	Bromoethene	10.000	9.705	2.9	103	0.00
15 T	Acetone	10.000	8.754	12.5	109	0.00
16 T	1,3-Butadiene	10.000	9.892	1.1	108	0.00
17	tert-Butyl alcohol	10.000	9.587	4.1	105	0.00
18 T	1,1-Dichloroethene	10.000	9.634	3.7	102	0.00
19 T	Isopropyl Alcohol	10.000	9.194	8.1	104	0.00
20 T	Methylene Chloride	10.000	8.381	16.2	106	0.01
21 T	Allyl Chloride	10.000	9.789	2.1	106	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.600	4.0	104	0.01
23 T	Vinyl Acetate	10.000	7.721	22.8	96	0.02
24 T	1,1-Dichloroethane	10.000	9.822	1.8	107	0.01
25 T	Ethyl Acetate	10.000	10.207	-2.1	104	0.02
26 T	Hexane	10.000	10.535	-5.4	103	0.02
27 T	Carbon Disulfide	10.000	10.036	-0.4	107	0.00
28 T	Methyl tert-Butyl Ether	10.000	9.198	8.0	96	0.01
29 T	Chloroform	10.000	9.734	2.7	103	0.02
30 T	Cyclohexane	10.000	10.388	-3.9	98	0.02
31 T	cis-1,2-Dichloroethene	10.000	9.582	4.2	96	0.02
32 T	1,1,1-Trichloroethane	10.000	9.516	4.8	100	0.02
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	94	0.02
34 T	2-Butanone	10.000	10.194	-1.9	99	0.02
35 T	Carbon Tetrachloride	10.000	10.157	-1.6	103	0.02
36 T	Benzene	10.000	10.606	-6.1	99	0.03
37 T	1,2-Dichloroethane	10.000	10.564	-5.6	102	0.02
38 T	Trichloroethene	10.000	10.606	-6.1	97	0.03
39 T	1,2-Dichloropropane	10.000	10.529	-5.3	100	0.03
40 T	1,4-Dioxane	10.000	10.609	-6.1	96	0.03
41 T	Tetrahydrofuran	10.000	11.173	-11.7	98	0.02
42 T	Bromodichloromethane	10.000	10.561	-5.6	100	0.03
43	Methyl Methacrylate	10.000	11.131	-11.3	94	0.04
44 T	2,2,4-Trimethylpentane	10.000	11.400	-14.0	103	0.03
45 T	t-1,3-Dichloropropene	10.000	10.275	-2.8	89	0.04
46 T	cis-1,3-Dichloropropene	10.000	10.684	-6.8	93	0.04
47 T	1,1,2-Trichloroethane	10.000	10.247	-2.5	101	0.04
48 T	Dibromochloromethane	10.000	10.490	-4.9	96	0.03

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 01:12:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	10.541	-5.4	95	0.03
50 T	4-Methyl-2-Pentanone	10.000	11.716	-17.2	100	0.04
51 T	2-Hexanone	10.000	12.373	-23.7	99	0.03
52 T	Tetrachloroethene	10.000	9.842	1.6	95	0.03
53 T	Toluene	10.000	11.344	-13.4	94	0.04
54 T	1,2-Dibromoethane	10.000	10.528	-5.3	96	0.03
55 I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.03
56	1,1,1,2-Tetrachloroethane	10.000	10.662	-6.6	99	0.03
57 T	Chlorobenzene	10.000	10.467	-4.7	98	0.03
58 T	Ethyl Benzene	10.000	11.896	-19.0	95	0.02
59 T	m/p-Xylene	20.000	23.826	-19.1	97	0.03
60 T	o-Xylene	10.000	11.972	-19.7	98	0.02
61 T	Styrene	10.000	12.037	-20.4	89	0.03
62	Isopropylbenzene	10.000	11.588	-15.9	98	0.02
63 T	1,1,2,2-Tetrachloroethane	10.000	10.198	-2.0	99	0.02
64	n-propylbenzene	10.000	11.774	-17.7	97	0.02
65	tert-Butylbenzene	10.000	11.561	-15.6	96	0.02
66 T	Benzyl Chloride	10.000	10.467	-4.7	93	0.02
67	sec-Butylbenzene	10.000	11.350	-13.5	96	0.02
68 S	1-Bromo-4-Fluorobenzene	10.000	10.860	-8.6	96	0.02
69	p-Isopropyltoluene	10.000	11.550	-15.5	94	0.02
70	n-Butylbenzene	10.000	11.600	-16.0	92	0.02
71	2-Chlorotoluene	10.000	11.439	-14.4	94	0.02
72 T	4-Ethyltoluene	10.000	11.916	-19.2	95	0.02
73 T	1,3,5-Trimethylbenzene	10.000	11.476	-14.8	95	0.02
74 T	1,2,4-Trimethylbenzene	10.000	11.459	-14.6	96	0.02
75 T	1,3-Dichlorobenzene	10.000	10.249	-2.5	93	0.02
76 T	1,4-Dichlorobenzene	10.000	10.658	-6.6	93	0.02
77 T	1,2-Dichlorobenzene	10.000	9.920	0.8	94	0.02
78 T	Hexachloro-1,3-Butadiene	10.000	10.593	-5.9	101	0.02
79 T	Naphthalene	10.000	10.391	-3.9	94	0.02
80 T	Naphthalene,2-methyl-	10.000	8.485	15.2	80	0.02
81 T	1,2,4-Trichlorobenzene	10.000	13.050	-30.5#	99	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q3320

Instrument ID: MSVOA_L

Calibration Date/Time: 10/09/2025 09:29

Lab File ID: VL043079.D

Init. Calib. Date(s): 10/02/2025 10/02/2025

Heated Purge: (Y/N) N

Init. Calib. Time(s): 09:50 13:41

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.685	1.558		-7.54	30
Chloromethane	0.616	0.570		-7.47	30
Vinyl Chloride	0.584	0.539		-7.7	30
Bromomethane	0.263	0.246		-6.46	30
Chloroethane	0.244	0.223		-8.61	30
Tetrahydrofuran	0.351	0.363		3.42	30
Trichlorofluoromethane	1.732	1.588		-8.31	30
1,1,2-Trichlorotrifluoroethane	1.364	1.253		-8.14	30
Dichlorotetrafluoroethane	1.381	1.288		-6.73	30
tert-Butyl alcohol	1.481	1.377		-7.02	30
Heptane	1.616	1.661		2.79	30
1,1-Dichloroethene	0.598	0.551		-7.86	30
Acetone	1.400	1.166		-16.71	30
Carbon Disulfide	1.595	1.491		-6.52	30
Methyl tert-Butyl Ether	0.846	0.757		-10.52	30
Methylene Chloride	0.611	0.478		-21.77	30
trans-1,2-Dichloroethene	0.679	0.620		-8.69	30
1,1-Dichloroethane	1.287	1.194		-7.23	30
Cyclohexane	1.110	1.092		-1.62	30
2-Butanone	0.679	0.648		-4.57	30
Carbon Tetrachloride	0.823	0.743		-9.72	30
cis-1,2-Dichloroethene	1.389	1.265		-8.93	30
Chloroform	2.304	2.102		-8.77	30
1,1,1-Trichloroethane	2.239	2.003		-10.54	30
2,2,4-Trimethylpentane	1.533	1.560		1.76	30
Benzene	0.955	0.920		-3.66	30
1,2-Dichloroethane	0.566	0.533		-5.83	30
Trichloroethene	0.398	0.384		-3.52	30
1,2-Dichloropropane	0.354	0.337		-4.8	30
Bromodichloromethane	0.799	0.763		-4.51	30
4-Methyl-2-Pentanone	0.827	0.877		6.05	30
Toluene	0.965	0.990		2.59	30
t-1,3-Dichloropropene	0.290	0.274		-5.52	30
cis-1,3-Dichloropropene	0.409	0.396		-3.18	30
1,1,2-Trichloroethane	0.394	0.369		-6.34	30
Dibromochloromethane	0.643	0.617		-4.04	30
1,2-Dibromoethane	0.467	0.455		-2.57	30
Tetrachloroethene	0.354	0.318		-10.17	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3320</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>10/09/2025</u> <u>09:29</u>
Lab File ID:	<u>VL043079.D</u>	Init. Calib. Date(s):	<u>10/02/2025</u> <u>10/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:50</u> <u>13:41</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.057	0.956		-9.56	30
Ethyl Benzene	1.549	1.587		2.45	30
m/p-Xylene	1.307	1.344		2.83	30
o-Xylene	1.302	1.344		3.23	30
Styrene	0.545	0.572		4.95	30
Bromoform	0.537	0.538		0.19	30
1,1,2,2-Tetrachloroethane	0.934	0.863		-7.6	30
2-Chlorotoluene	1.446	1.461		1.04	30
1,3,5-Trimethylbenzene	1.340	1.377		2.76	30
1,2,4-Trimethylbenzene	1.513	1.560		3.11	30
1,3-Dichlorobenzene	0.984	0.935		-4.98	30
1,4-Dichlorobenzene	0.938	0.932		-0.64	30
1,2-Dichlorobenzene	0.980	0.898		-8.37	30
1,2,4-Trichlorobenzene	0.583	0.622		6.69	30
Hexachloro-1,3-Butadiene	0.683	0.603		-11.71	30
1,3-Butadiene	0.577	0.532		-7.8	30
Naphthalene	0.903	1.152		27.58	30
4-Ethyltoluene	1.549	1.636		5.62	30
1-Bromo-4-Fluorobenzene	0.720	0.827		14.86	30
Hexane	1.351	1.327		-1.78	30
Allyl Chloride	0.897	0.835		-6.91	30
1,4-Dioxane	151.898	151.050		-0.56	30
Methyl Methacrylate	0.317	0.324		2.21	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	197992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	568897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	498408	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 412204 11.481 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	308523	9.246	ppbv	100
3) Chlorodifluoromethane	1.473	51	295319	9.148	ppbv	99
4) Chloromethane	1.531	50	112822	9.256	ppbv	97
5) Vinyl Chloride	1.576	62	106666	9.221	ppbv	97
6) Bromomethane	1.664	94	48615	9.353	ppbv	98
7) Chloroethane	1.699	64	44248	9.167	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	254941	9.324	ppbv	99
9) Propene	1.479	41	117817	9.052	ppbv	97
10) Heptane	4.959	43	328840	10.276	ppbv	99
11) Trichlorofluoromethane	1.874	101	314461	9.170	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	248138	9.187	ppbv	98
13) Ethanol	1.716	45	5305	9.977	ppbv	96
14) Bromoethene	1.777	108	90727	9.370	ppbv	99
15) Acetone	1.829	43	230776	8.325	ppbv	100
16) 1,3-Butadiene	1.605	39	105234	9.207	ppbv	99
17) tert-Butyl alcohol	2.033	59	272568	9.295	ppbv	100
18) 1,1-Dichloroethene	2.029	96	109177	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	118918	8.953	ppbv	98
20) Methylene Chloride	2.055	84	94670	7.824	ppbv	95
21) Allyl Chloride	2.091	41	165355	9.310	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	122834	9.138	ppbv	97
23) Vinyl Acetate	2.453	43	50211	8.531	ppbv	97
24) 1,1-Dichloroethane	2.402	63	236357	9.276	ppbv	99
25) Ethyl Acetate	2.822	43	674648	9.701	ppbv	100
26) Hexane	2.816	57	262689	9.819	ppbv	98
27) Carbon Disulfide	2.146	76	295221	9.347	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	149976	8.958	ppbv	99
29) Chloroform	2.839	83	416143	9.124	ppbv	99
30) Cyclohexane	3.842	84	216243	9.837	ppbv	98
31) cis-1,2-Dichloroethene	2.712	61	250538	9.110	ppbv	99
32) 1,1,1-Trichloroethane	3.356	97	396570	8.946	ppbv	99
34) 2-Butanone	2.547	43	368929	9.558	ppbv	99
35) Carbon Tetrachloride	3.748	117	422481	9.026	ppbv	99
36) Benzene	3.645	78	523478	9.631	ppbv	99
37) 1,2-Dichloroethane	3.208	62	303020	9.413	ppbv	100
38) Trichloroethene	4.528	130	218456	9.648	ppbv	98
39) 1,2-Dichloropropane	4.298	63	191644	9.512	ppbv	97
40) 1,4-Dioxane	4.557	88	85932	9.944	ppbv #	94
41) Tetrahydrofuran	3.039	42	206359	10.344	ppbv	98
42) Bromodichloromethane	4.470	83	434122	9.550	ppbv	97
43) Methyl Methacrylate	4.858	69	184234	10.211	ppbv	99
44) 2,2,4-Trimethylpentane	4.622	57	887460	10.175	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	156138	9.456	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.577	75	225445	9.690	ppbv	97
47) 1,1,2-Trichloroethane	6.561	97	210090	9.375	ppbv	98
48) Dibromochloromethane	7.370	129	350743	9.590	ppbv	100
49) Bromoform	9.467	173	306339	10.029	ppbv	100
50) 4-Methyl-2-Pentanone	5.722	43	499008	10.601	ppbv	99
51) 2-Hexanone	7.415	43	379224	11.318	ppbv #	98
52) Tetrachloroethene	8.208	164	180730	8.980	ppbv	98
53) Toluene	6.914	91	563029	10.261	ppbv	100
54) 1,2-Dibromoethane	7.632	107	258790	9.743	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.911	131	278761	9.176	ppbv	99
57) Chlorobenzene	8.907	112	476463	9.043	ppbv	100
58) Ethyl Benzene	9.341	91	790793	10.241	ppbv	99
59) m/p-Xylene	9.538	91	1339639m	20.570	ppbv	
60) o-Xylene	9.950	91	669997	10.327	ppbv	99
61) Styrene	9.856	104	285291	10.497	ppbv	100
62) Isopropylbenzene	10.526	105	1002224	10.064	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	429967	9.238	ppbv	100
64) n-propylbenzene	10.979	120	267283	10.492	ppbv	100
65) tert-Butylbenzene	11.519	119	912563	10.296	ppbv	99
66) Benzyl Chloride	11.603	91	34544	10.197	ppbv	99
67) sec-Butylbenzene	11.759	105	1253016	10.131	ppbv	100
69) p-Isopropyltoluene	11.914	119	1045052	10.387	ppbv	100
70) n-Butylbenzene	12.270	91	1027696	10.608	ppbv	100
71) 2-Chlorotoluene	10.888	91	728220	10.103	ppbv	100
72) 4-Ethyltoluene	11.115	105	815476	10.561	ppbv	100
73) 1,3,5-Trimethylbenzene	11.192	105	686235	10.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.526	105	777637	10.315	ppbv	98
75) 1,3-Dichlorobenzene	11.597	146	466131	9.506	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	464723	9.940	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	447776	9.168	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	300771	8.838	ppbv	99
79) Naphthalene	13.503	128	574353	9.050	ppbv	100
80) Naphthalene,2-methyl-	14.448	142	221717	7.599	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	310073	10.671	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 22:11:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	113	0.00
2 T	Dichlorodifluoromethane	1.685	1.558	7.5	111	0.00
3	Chlorodifluoromethane	1.630	1.492	8.5	110	0.00
4	Chloromethane	0.616	0.570	7.5	111	0.00
5 T	Vinyl Chloride	0.584	0.539	7.7	113	0.00
6 T	Bromomethane	0.263	0.246	6.5	112	0.00
7	Chloroethane	0.244	0.223	8.6	113	0.00
8 T	Dichlorotetrafluoroethane	1.381	1.288	6.7	112	0.00
9 T	Propene	0.657	0.595	9.4	106	0.00
10 T	Heptane	1.616	1.661	-2.8	106	0.00
11 T	Trichlorofluoromethane	1.732	1.588	8.3	110	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.364	1.253	8.1	110	0.00
13	Ethanol	0.045	0.027#	40.0#	111	0.00
14 T	Bromoethene	0.489	0.458	6.3	110	0.00
15 T	Acetone	1.400	1.166	16.7	115	0.00
16 T	1,3-Butadiene	0.577	0.532	7.8	112	0.00
17	tert-Butyl alcohol	1.481	1.377	7.0	113	0.00
18 T	1,1-Dichloroethene	0.598	0.551	7.9	108	0.00
19 T	Isopropyl Alcohol	0.671	0.601	10.4	112	0.00
20 T	Methylene Chloride	0.611	0.478	21.8	110	0.00
21 T	Allyl Chloride	0.897	0.835	6.9	112	0.00
22 T	trans-1,2-Dichloroethene	0.679	0.620	8.7	110	0.00
23 T	Vinyl Acetate	0.297	0.254	14.5	117	0.00
24 T	1,1-Dichloroethane	1.287	1.194	7.2	112	0.00
25 T	Ethyl Acetate	3.513	3.407	3.0	109	0.00
26 T	Hexane	1.351	1.327	1.8	107	0.00
27 T	Carbon Disulfide	1.595	1.491	6.5	110	0.00
28 T	Methyl tert-Butyl Ether	0.846	0.757	10.5	104	0.00
29 T	Chloroform	2.304	2.102	8.8	107	0.00
30 T	Cyclohexane	1.110	1.092	1.6	103	0.00
31 T	cis-1,2-Dichloroethene	1.389	1.265	8.9	102	0.00
32 T	1,1,1-Trichloroethane	2.239	2.003	10.5	104	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
34 T	2-Butanone	0.679	0.648	4.6	108	0.00
35 T	Carbon Tetrachloride	0.823	0.743	9.7	106	0.00
36 T	Benzene	0.955	0.920	3.7	104	0.00
37 T	1,2-Dichloroethane	0.566	0.533	5.8	106	0.00
38 T	Trichloroethene	0.398	0.384	3.5	102	0.00
39 T	1,2-Dichloropropane	0.354	0.337	4.8	105	0.00
40 T	1,4-Dioxane	0.152	0.151	0.7	105	0.00
41 T	Tetrahydrofuran	0.351	0.363	-3.4	105	0.00
42 T	Bromodichloromethane	0.799	0.763	4.5	105	0.00
43	Methyl Methacrylate	0.317	0.324	-2.2	100	0.00
44 T	2,2,4-Trimethylpentane	1.533	1.560	-1.8	106	0.00
45 T	t-1,3-Dichloropropene	0.290	0.274	5.5	95	0.00
46 T	cis-1,3-Dichloropropene	0.409	0.396	3.2	98	0.00
47 T	1,1,2-Trichloroethane	0.394	0.369	6.3	107	0.00
48 T	Dibromochloromethane	0.643	0.617	4.0	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 22:11:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	0.537	0.538	-0.2	105	0.00
50 T	4-Methyl-2-Pentanone	0.827	0.877	-6.0	105	0.00
51 T	2-Hexanone	0.589	0.667	-13.2	104	0.00
52 T	Tetrachloroethene	0.354	0.318	10.2	100	0.00
53 T	Toluene	0.965	0.990	-2.6	99	0.00
54 T	1,2-Dibromoethane	0.467	0.455	2.6	103	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
56	1,1,1,2-Tetrachloroethane	0.610	0.559	8.4	105	0.00
57 T	Chlorobenzene	1.057	0.956	9.6	105	0.00
58 T	Ethyl Benzene	1.549	1.587	-2.5	100	0.00
59 T	m/p-Xylene	1.307	1.344	-2.8	104	0.00
60 T	o-Xylene	1.302	1.344	-3.2	104	0.00
61 T	Styrene	0.545	0.572	-5.0	96	0.00
62	Isopropylbenzene	1.998	2.011	-0.7	104	0.00
63 T	1,1,2,2-Tetrachloroethane	0.934	0.863	7.6	110	0.00
64	n-propylbenzene	0.511	0.536	-4.9	106	0.00
65	tert-Butylbenzene	1.778	1.831	-3.0	106	0.00
66 T	Benzyl Chloride	0.068	0.069	-1.5	112	0.00
67	sec-Butylbenzene	2.482	2.514	-1.3	105	0.00
68 S	1-Bromo-4-Fluorobenzene	0.720	0.827	-14.9	125	0.00
69	p-Isopropyltoluene	2.019	2.097	-3.9	104	0.00
70	n-Butylbenzene	1.944	2.062	-6.1	103	0.00
71	2-Chlorotoluene	1.446	1.461	-1.0	103	0.00
72 T	4-Ethyltoluene	1.549	1.636	-5.6	104	0.00
73 T	1,3,5-Trimethylbenzene	1.340	1.377	-2.8	104	0.00
74 T	1,2,4-Trimethylbenzene	1.513	1.560	-3.1	106	0.00
75 T	1,3-Dichlorobenzene	0.984	0.935	5.0	106	0.00
76 T	1,4-Dichlorobenzene	0.938	0.932	0.6	107	0.00
77 T	1,2-Dichlorobenzene	0.980	0.898	8.4	107	0.00
78 T	Hexachloro-1,3-Butadiene	0.683	0.603	11.7	104	0.00
79 T	Naphthalene	0.903	1.152	-27.6	99	0.00
80 T	Naphthalene,2-methyl-	0.457	0.445	2.6	87	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.622	-6.7	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 22:11:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	113	0.00
2 T	Dichlorodifluoromethane	10.000	9.246	7.5	111	0.00
3	Chlorodifluoromethane	10.000	9.148	8.5	110	0.00
4	Chloromethane	10.000	9.256	7.4	111	0.00
5 T	Vinyl Chloride	10.000	9.221	7.8	113	0.00
6 T	Bromomethane	10.000	9.353	6.5	112	0.00
7	Chloroethane	10.000	9.167	8.3	113	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.324	6.8	112	0.00
9 T	Propene	10.000	9.052	9.5	106	0.00
10 T	Heptane	10.000	10.276	-2.8	106	0.00
11 T	Trichlorofluoromethane	10.000	9.170	8.3	110	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.187	8.1	110	0.00
13	Ethanol	10.000	9.977	0.2	111	0.00
14 T	Bromoethene	10.000	9.370	6.3	110	0.00
15 T	Acetone	10.000	8.325	16.8	115	0.00
16 T	1,3-Butadiene	10.000	9.207	7.9	112	0.00
17	tert-Butyl alcohol	10.000	9.295	7.1	113	0.00
18 T	1,1-Dichloroethene	10.000	9.221	7.8	108	0.00
19 T	Isopropyl Alcohol	10.000	8.953	10.5	112	0.00
20 T	Methylene Chloride	10.000	7.824	21.8	110	0.00
21 T	Allyl Chloride	10.000	9.310	6.9	112	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.138	8.6	110	0.00
23 T	Vinyl Acetate	10.000	8.531	14.7	117	0.00
24 T	1,1-Dichloroethane	10.000	9.276	7.2	112	0.00
25 T	Ethyl Acetate	10.000	9.701	3.0	109	0.00
26 T	Hexane	10.000	9.819	1.8	107	0.00
27 T	Carbon Disulfide	10.000	9.347	6.5	110	0.00
28 T	Methyl tert-Butyl Ether	10.000	8.958	10.4	104	0.00
29 T	Chloroform	10.000	9.124	8.8	107	0.00
30 T	Cyclohexane	10.000	9.837	1.6	103	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.110	8.9	102	0.00
32 T	1,1,1-Trichloroethane	10.000	8.946	10.5	104	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	109	0.00
34 T	2-Butanone	10.000	9.558	4.4	108	0.00
35 T	Carbon Tetrachloride	10.000	9.026	9.7	106	0.00
36 T	Benzene	10.000	9.631	3.7	104	0.00
37 T	1,2-Dichloroethane	10.000	9.413	5.9	106	0.00
38 T	Trichloroethene	10.000	9.648	3.5	102	0.00
39 T	1,2-Dichloropropane	10.000	9.512	4.9	105	0.00
40 T	1,4-Dioxane	10.000	9.944	0.6	105	0.00
41 T	Tetrahydrofuran	10.000	10.344	-3.4	105	0.00
42 T	Bromodichloromethane	10.000	9.550	4.5	105	0.00
43	Methyl Methacrylate	10.000	10.211	-2.1	100	0.00
44 T	2,2,4-Trimethylpentane	10.000	10.175	-1.8	106	0.00
45 T	t-1,3-Dichloropropene	10.000	9.456	5.4	95	0.00
46 T	cis-1,3-Dichloropropene	10.000	9.690	3.1	98	0.00
47 T	1,1,2-Trichloroethane	10.000	9.375	6.3	107	0.00
48 T	Dibromochloromethane	10.000	9.590	4.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Oct 09 22:11:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 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	10.029	-0.3	105	0.00
50 T	4-Methyl-2-Pentanone	10.000	10.601	-6.0	105	0.00
51 T	2-Hexanone	10.000	11.318	-13.2	104	0.00
52 T	Tetrachloroethene	10.000	8.980	10.2	100	0.00
53 T	Toluene	10.000	10.261	-2.6	99	0.00
54 T	1,2-Dibromoethane	10.000	9.743	2.6	103	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	111	0.00
56	1,1,1,2-Tetrachloroethane	10.000	9.176	8.2	105	0.00
57 T	Chlorobenzene	10.000	9.043	9.6	105	0.00
58 T	Ethyl Benzene	10.000	10.241	-2.4	100	0.00
59 T	m/p-Xylene	20.000	20.570	-2.9	104	0.00
60 T	o-Xylene	10.000	10.327	-3.3	104	0.00
61 T	Styrene	10.000	10.497	-5.0	96	0.00
62	Isopropylbenzene	10.000	10.064	-0.6	104	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	9.238	7.6	110	0.00
64	n-propylbenzene	10.000	10.492	-4.9	106	0.00
65	tert-Butylbenzene	10.000	10.296	-3.0	106	0.00
66 T	Benzyl Chloride	10.000	10.197	-2.0	112	0.00
67	sec-Butylbenzene	10.000	10.131	-1.3	105	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	11.481	-14.8	125	0.00
69	p-Isopropyltoluene	10.000	10.387	-3.9	104	0.00
70	n-Butylbenzene	10.000	10.608	-6.1	103	0.00
71	2-Chlorotoluene	10.000	10.103	-1.0	103	0.00
72 T	4-Ethyltoluene	10.000	10.561	-5.6	104	0.00
73 T	1,3,5-Trimethylbenzene	10.000	10.273	-2.7	104	0.00
74 T	1,2,4-Trimethylbenzene	10.000	10.315	-3.1	106	0.00
75 T	1,3-Dichlorobenzene	10.000	9.506	4.9	106	0.00
76 T	1,4-Dichlorobenzene	10.000	9.940	0.6	107	0.00
77 T	1,2-Dichlorobenzene	10.000	9.168	8.3	107	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	8.838	11.6	104	0.00
79 T	Naphthalene	10.000	9.050	9.5	99	0.00
80 T	Naphthalene,2-methyl-	10.000	7.599	24.0	87	0.00
81 T	1,2,4-Trichlorobenzene	10.000	10.671	-6.7	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



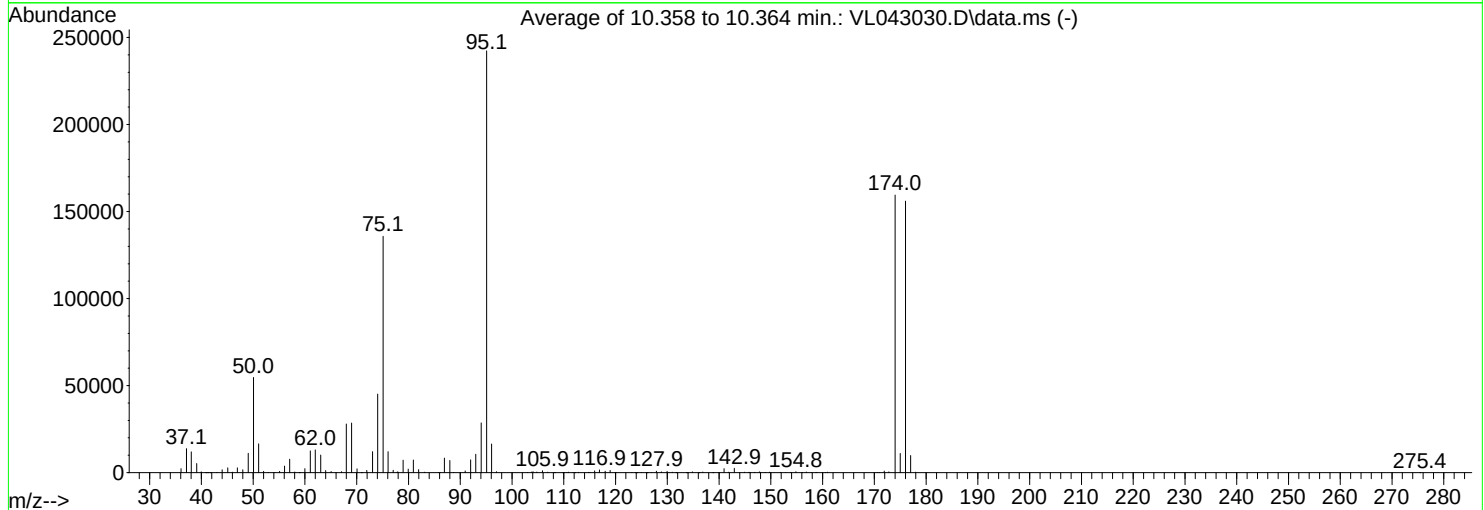
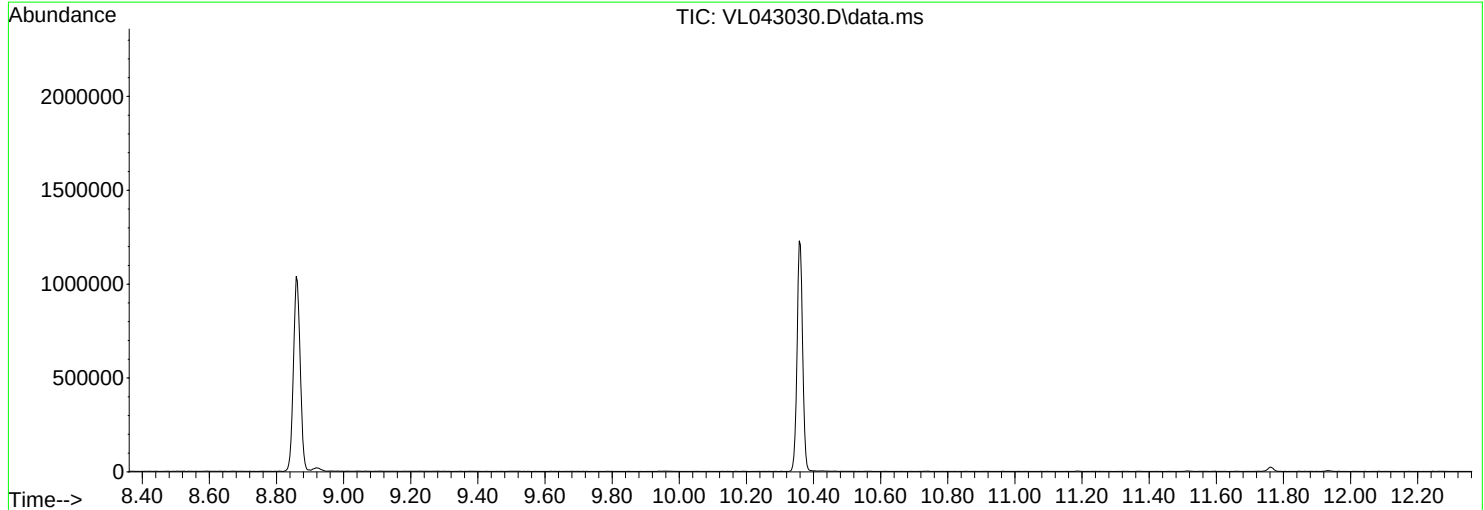
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
Data File : VL043030.D
Acq On : 02 Oct 2025 09:11
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\VL100225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Oct 03 08:23:34 2025



AutoFind: Scans 3173, 3174, 3175; Background Corrected with Scan 3150

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	22.6	54675	PASS
75	95	30	66	56.0	135808	PASS
95	95	100	100	100.0	242325	PASS
96	95	5	9	6.8	16496	PASS
173	174	0.00	2	0.3	425	PASS
174	95	50	120	65.8	159467	PASS
175	174	4	9	6.9	10992	PASS
176	174	93	101	97.8	156032	PASS
177	176	5	9	6.3	9819	PASS

Average of 10.358 to 10.364 min.: VL043030.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	2330	46.00	250	57.05	7765	68.00	2792
37.10	13813	46.95	2788	58.05	341	69.00	2847
38.05	11973	48.00	1655	58.90	23	70.05	217
39.10	5249	49.05	11158	60.00	2342	70.90	4
39.95	499	50.05	54675	61.05	12524	71.95	1265
40.85	55	51.05	16585	62.00	13090	73.05	12010
41.20	34	52.00	716	63.05	10089	74.05	45096
41.70	41	52.90	129	64.00	1213	75.10	135808
42.95	81	54.05	98	65.05	689	76.05	12035
44.00	1684	55.10	722	66.00	121	77.05	1348
45.10	2730	56.05	3773	67.05	550	77.80	302

Average of 10.358 to 10.364 min.: VL043030.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.95	470	90.95	1003	105.90	1116	115.05	175
78.95	7200	92.00	7351	106.90	274	115.95	1031
79.95	2063	93.00	10598	108.20	33	116.90	1577
80.95	7288	94.05	28587	109.80	55	118.00	866
81.95	1746	95.10	242325	110.10	57	118.95	1306
83.15	295	96.05	16496	110.60	86	119.90	24
85.80	79	97.00	519	110.90	247	123.15	68
86.10	77	103.00	84	111.80	125	123.80	49
86.95	8373	103.80	409	112.10	47	124.10	45
88.00	7029	104.05	570	112.85	231	125.00	87
88.70	108	104.80	377	114.80	216	125.90	51

Average of 10.358 to 10.364 min.: VL043030.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
126.10	36	136.85	338	146.10	106	156.85	394
126.90	57	138.80	48	146.90	145	157.80	61
127.90	861	139.90	127	147.80	477	158.70	92
128.85	474	140.10	57	148.00	163	158.90	179
129.95	745	140.95	2272	148.90	139	160.60	61
130.95	284	141.85	274	149.75	245	160.95	263
131.70	18	142.95	2445	151.85	217	170.55	65
133.70	47	144.00	140	152.90	112	170.95	95
133.90	37	144.90	270	153.85	189	171.90	906
134.85	499	145.75	191	154.85	593	172.80	425
136.10	34	145.90	163	156.10	138	174.00	159467

Average of 10.358 to 10.364 min.: VL043030.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.00	10992						
176.00	156032						
177.00	9819						
178.00	298						
275.40	22						

Instrument :

MSVOA_L

ClientSampleId :

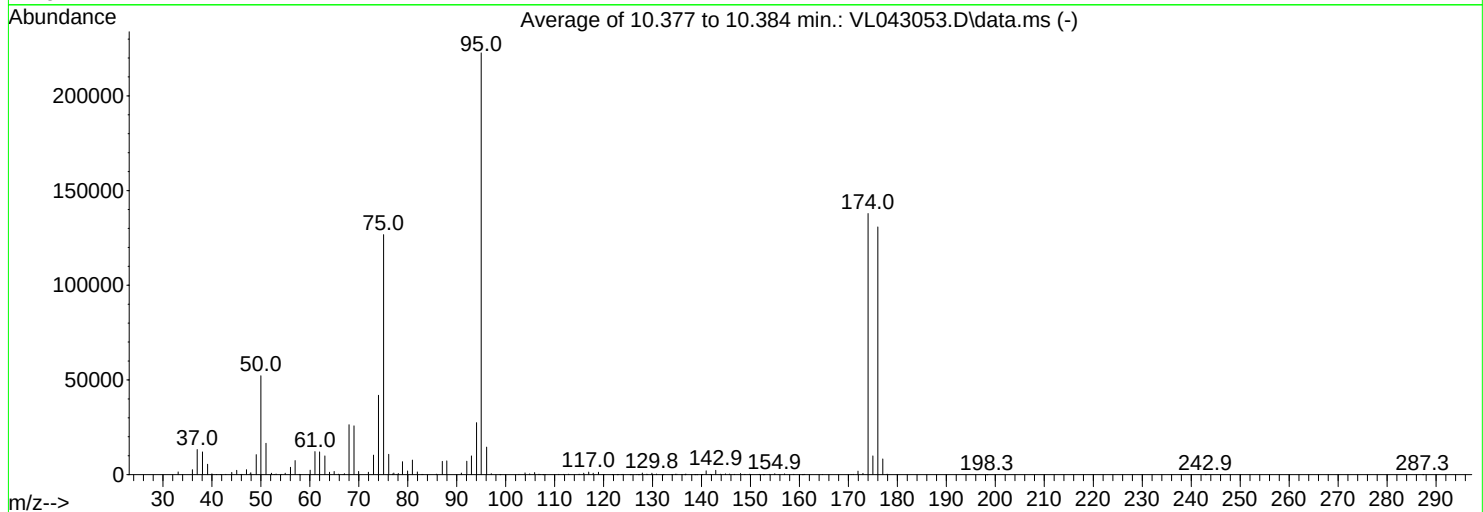
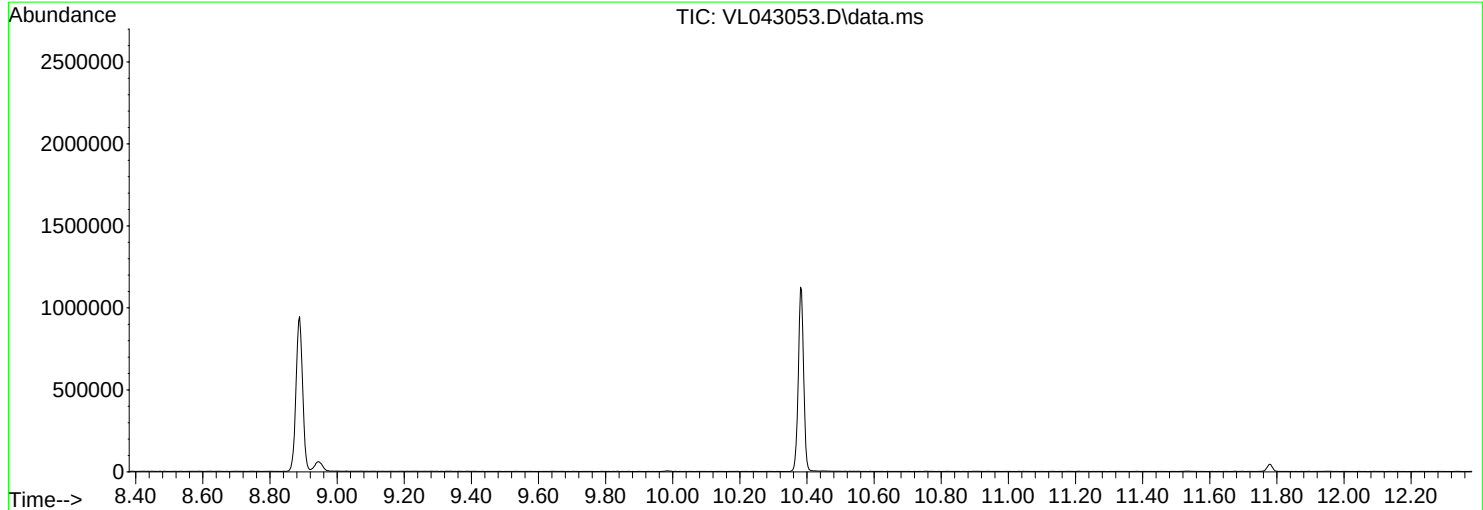
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043053.D
Acq On : 08 Oct 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\VL100225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Oct 03 08:23:34 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3165

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	23.5	52232	PASS
75	95	30	66	56.9	126765	PASS
95	95	100	100	100.0	222720	PASS
96	95	5	9	6.5	14516	PASS
173	174	0.00	2	0.5	727	PASS
174	95	50	120	61.9	137885	PASS
175	174	4	9	7.2	9912	PASS
176	174	93	101	94.8	130755	PASS
177	176	5	9	6.3	8273	PASS

Average of 10.377 to 10.384 min.: VL043053.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	1449	45.05	2301	53.10	357	64.00	1231
34.00	51	45.90	80	54.10	140	64.95	1663
36.00	2590	46.10	180	54.95	759	65.85	231
37.00	13307	47.05	2613	56.05	3851	66.80	101
38.05	12032	47.80	436	57.00	7464	67.05	510
39.10	5459	47.95	997	57.90	146	68.00	26405
40.00	430	49.05	10569	58.10	56	69.00	25795
40.95	81	50.00	52232	60.05	2388	69.95	1723
41.80	71	51.05	16602	61.05	12159	71.95	1245
42.85	177	52.15	766	62.00	11965	73.00	10332
44.05	1185	52.70	91	63.05	9906	74.00	41931

Average of 10.377 to 10.384 min.: VL043053.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
75.05	126765	83.10	68	98.80	36	111.85	213
76.10	10728	85.85	274	102.70	139	112.85	292
76.90	339	87.05	7042	103.95	956	115.00	241
77.15	885	87.95	7242	104.90	399	115.95	756
77.80	199	90.95	821	105.90	1086	116.95	1387
78.05	566	92.05	7105	106.80	264	117.85	806
78.90	6811	93.00	9919	107.00	49	118.95	1306
79.95	1964	94.05	27456	107.60	21	119.90	17
80.95	7672	95.00	222720	108.10	53	121.80	18
81.95	1414	96.10	14516	110.00	87	122.80	36
82.90	150	97.05	480	110.85	142	123.70	52

Average of 10.377 to 10.384 min.: VL043053.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.95	167	134.70	229	143.85	221	154.95	472
125.45	43	134.95	252	144.90	469	155.80	72
126.80	50	136.00	50	145.75	320	156.95	428
127.10	40	136.60	46	146.70	166	158.85	181
127.90	818	136.80	355	147.95	582	160.60	39
128.80	267	138.60	22	148.85	156	161.05	155
129.00	190	139.00	21	149.85	276	164.70	53
129.85	766	140.00	46	151.80	147	170.55	71
130.80	308	140.95	2009	152.60	22	170.95	212
132.10	24	141.80	198	152.90	87	171.95	1901
133.90	41	142.90	2301	153.85	175	172.95	727

Average of 10.377 to 10.384 min.: VL043053.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.00	137885						
175.00	9912						
176.00	130755						
177.00	8273						
177.90	254						
198.30	26						
242.90	24						
287.30	26						

Instrument :

MSVOA_L

ClientSampleId :

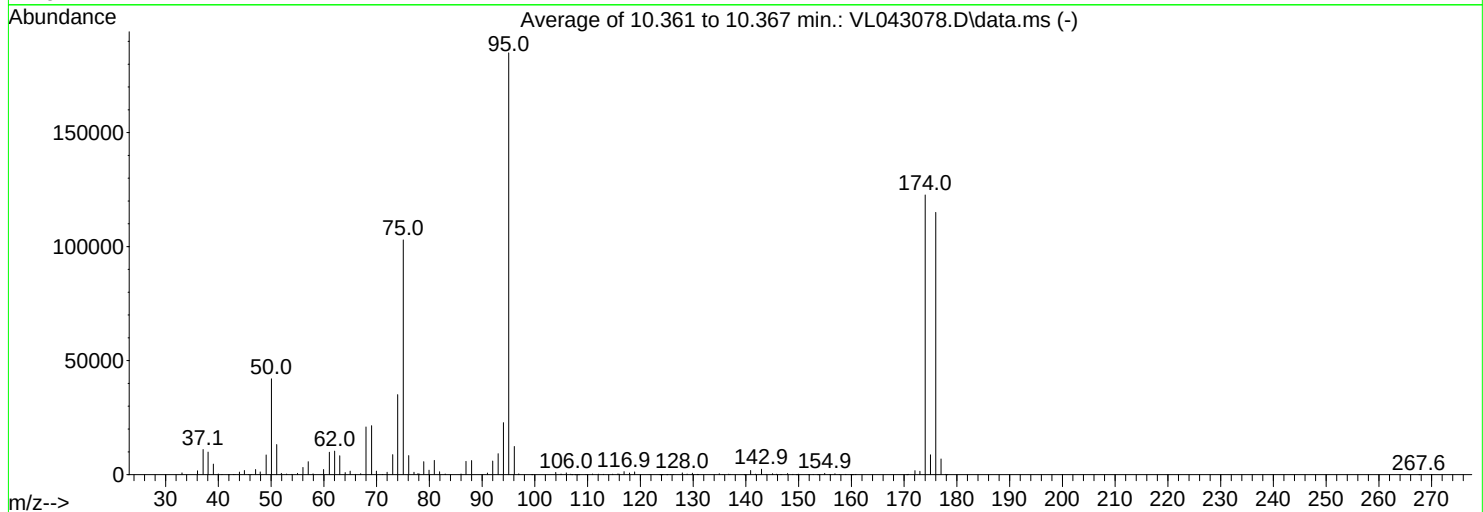
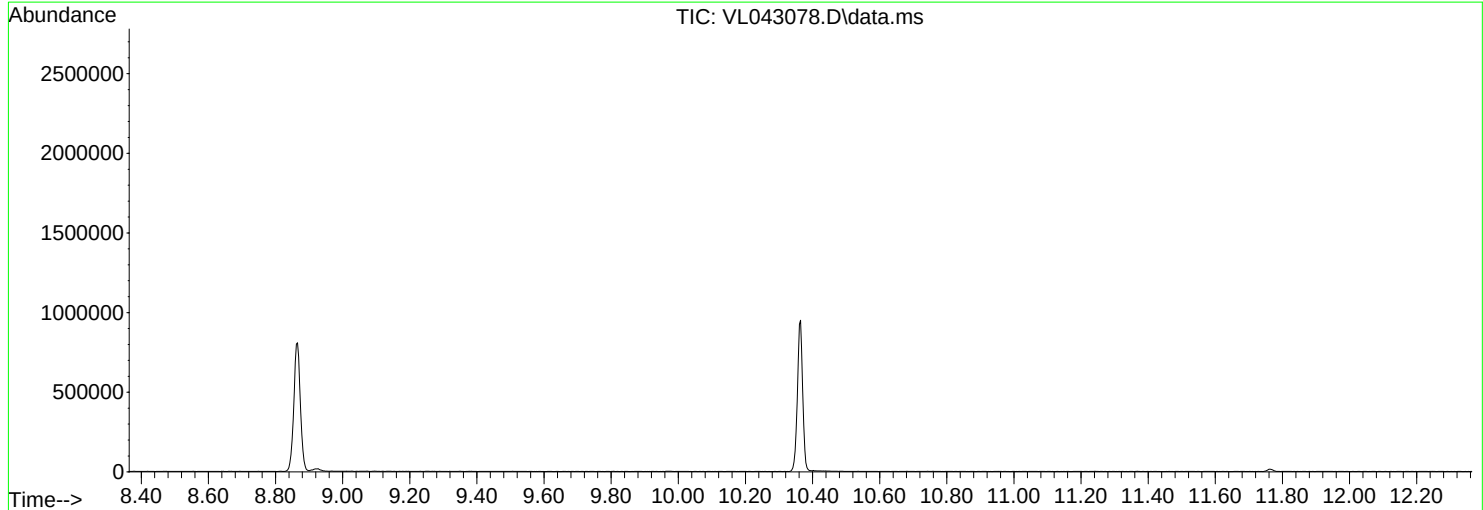
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043078.D
Acq On : 09 Oct 2025 07:56
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\VL100225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Oct 03 08:23:34 2025



AutoFind: Scans 3174, 3175, 3176; Background Corrected with Scan 3159

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	22.7	42048	PASS
75	95	30	66	55.7	102957	PASS
95	95	100	100	100.0	184981	PASS
96	95	5	9	6.7	12353	PASS
173	174	0.00	2	1.2	1469	PASS
174	95	50	120	66.3	122685	PASS
175	174	4	9	7.1	8688	PASS
176	174	93	101	93.7	114976	PASS
177	176	5	9	6.0	6859	PASS

Average of 10.361 to 10.367 min.: VL043078.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	815	44.95	1852	55.00	568	67.00	391
36.05	1673	45.75	82	56.05	3176	68.00	2089
37.10	11036	46.20	99	57.05	5677	69.05	2144
38.05	9897	47.05	2229	57.95	333	69.95	155
39.05	4635	47.95	1180	59.95	2221	71.15	72
40.00	319	49.05	8645	61.05	9799	72.00	1067
40.70	40	50.05	42048	62.05	10311	73.05	8785
41.90	31	51.05	13167	63.00	8279	74.00	35109
42.85	86	51.95	541	64.05	900	75.05	102957
43.15	84	52.95	314	65.00	1580	76.10	8344
44.00	1105	53.95	159	66.00	144	77.10	1092

Average of 10.361 to 10.367 min.: VL043078.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.85	486	92.00	5974	107.00	28	116.90	1352
78.10	250	93.05	9225	107.60	30	117.95	735
78.95	5684	94.05	22789	108.00	31	118.90	1172
79.95	2005	95.05	184981	108.30	21	121.85	70
80.95	6225	96.10	12353	109.70	72	123.70	37
81.95	1279	96.95	344	110.95	252	123.90	72
83.00	280	99.40	25	112.05	199	124.10	35
86.00	293	103.95	979	113.00	150	125.00	26
86.95	5845	104.95	313	114.75	247	125.75	78
88.00	6180	105.95	783	115.75	330	126.30	49
91.00	682	106.80	200	116.00	212	127.95	797

Average of 10.361 to 10.367 min.: VL043078.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
128.85	317	141.80	209	151.90	26	160.20	19
129.85	600	142.95	2363	152.75	110	160.70	77
130.80	122	143.85	154	153.60	19	160.85	152
131.00	110	145.05	455	154.00	109	170.50	20
134.95	456	145.85	194	154.95	595	170.80	173
135.65	58	146.60	69	155.90	46	172.05	1729
136.75	187	146.80	45	156.05	105	173.00	1469
137.00	152	147.90	527	156.90	430	174.00	122685
139.70	38	148.90	164	157.75	84	175.00	8688
140.00	61	149.60	32	158.95	163	176.00	114976
140.90	1857	150.00	191	159.90	38	177.00	6859

Average of 10.361 to 10.367 min.: VL043078.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.90	160						
178.10	27						
267.60	19						

Instrument :

MSVOA_L

ClientSampleId :

BFB

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043055.D	1		10/08/25 09:39	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	0.18	0.43	U	0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043055.D	1		10/08/25 09:39	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.16	0.56	U	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.50		65 - 135	95%	SPK: 10
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INTERNAL STANDARDS

74-97-5	Bromochloromethane	181000	2.794
540-36-3	1,4-Difluorobenzene	492000	3.965
3114-55-4	Chlorobenzene-d5	391000	8.891

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043055.D	1		10/08/25 09:39	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043055.D
 Acq On : 08 Oct 2025 09:39
 Operator : SY/MD
 Sample : VL1008ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABL01

Quant Time: Oct 09 01:13:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	180991	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.965	114	491665	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.891	117	390940	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	266462	9.462	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

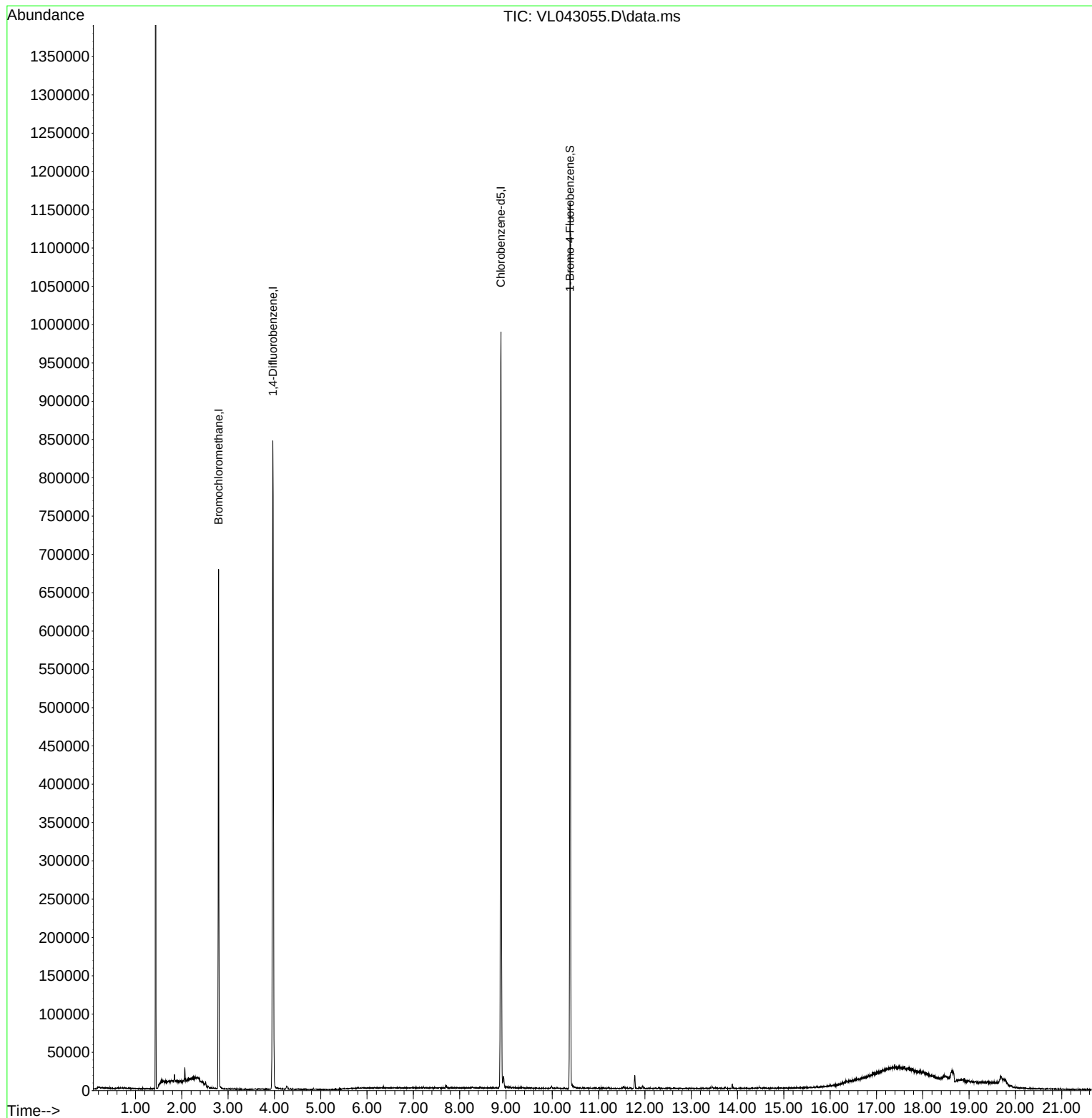
Target Compounds	Qvalue

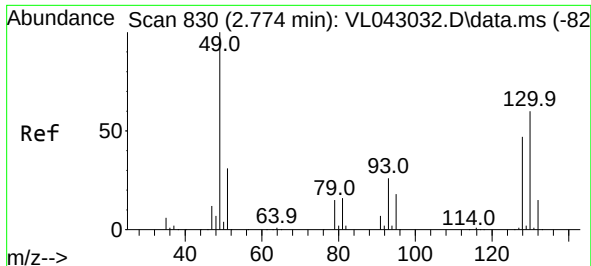
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043055.D
Acq On : 08 Oct 2025 09:39
Operator : SY/MD
Sample : VL1008ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABL01

Quant Time: Oct 09 01:13:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

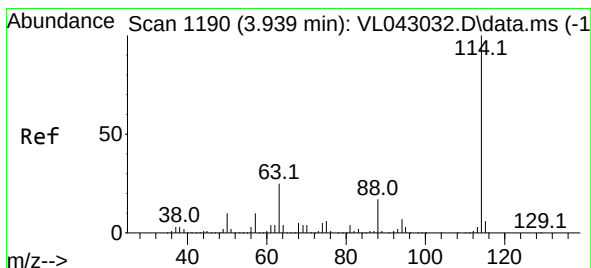
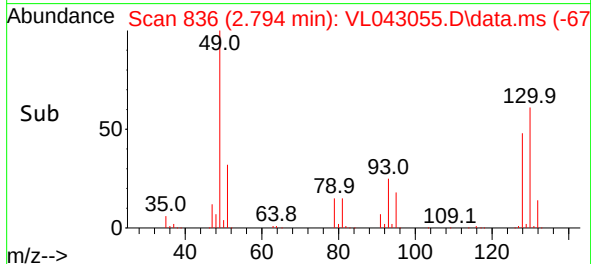
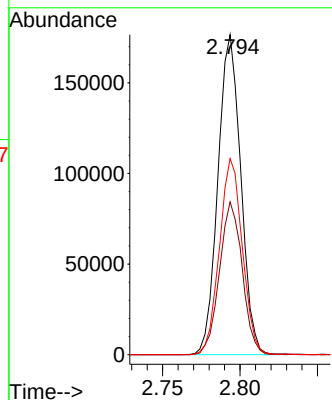
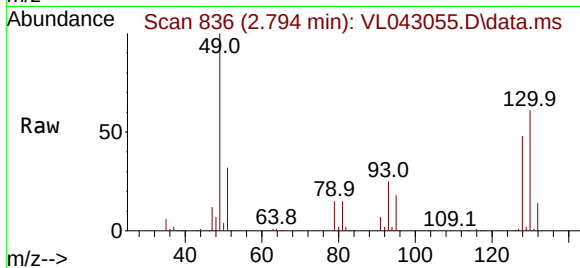




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

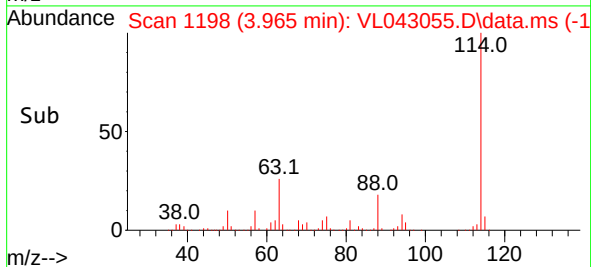
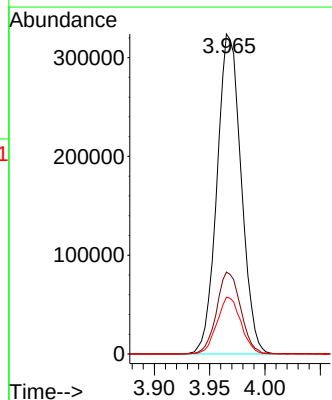
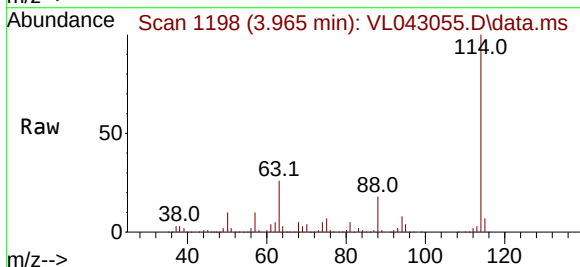
Instrument :
MSVOA_L
ClientSampleId :
VL1008ABL01

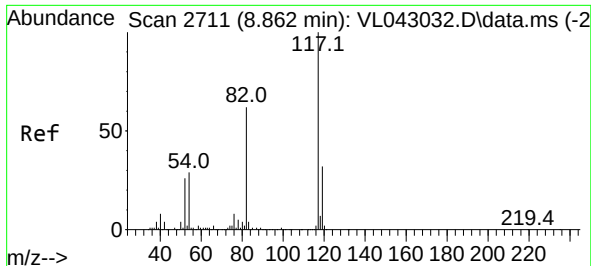
Tgt Ion: 49 Resp: 180991
Ion Ratio Lower Upper
49 100
128 47.5 24.1 72.2
130 61.6 31.4 94.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.026 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

Tgt Ion: 114 Resp: 491665
Ion Ratio Lower Upper
114 100
63 25.6 19.4 29.2
88 17.5 13.9 20.9

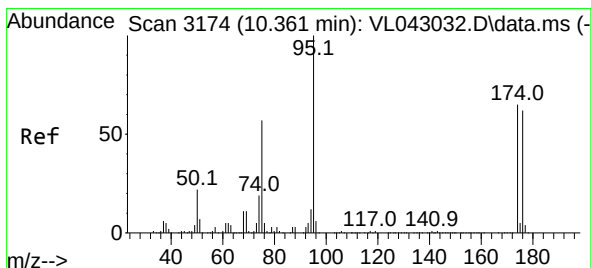
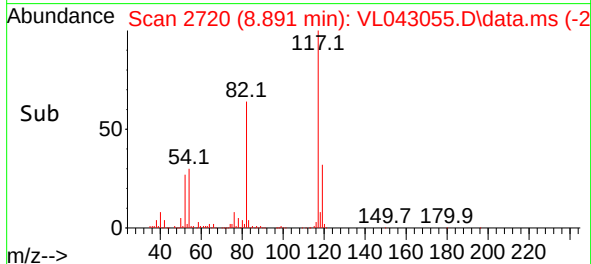
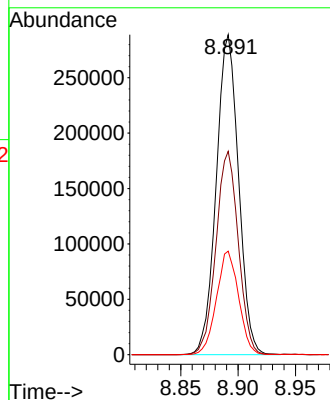
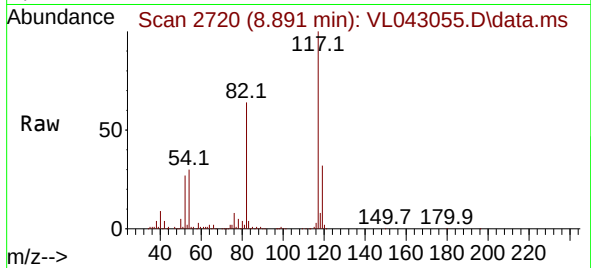




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

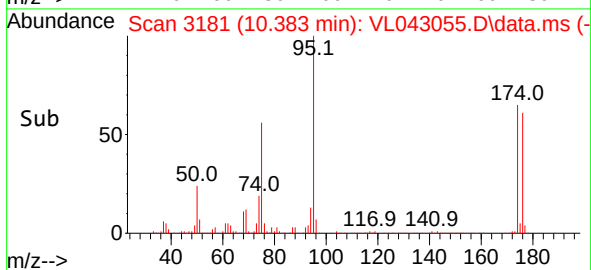
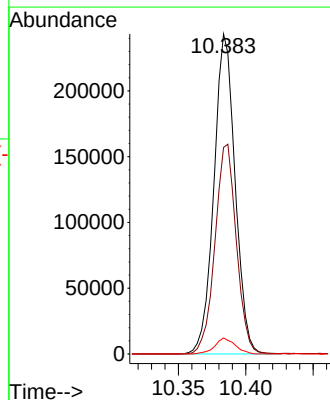
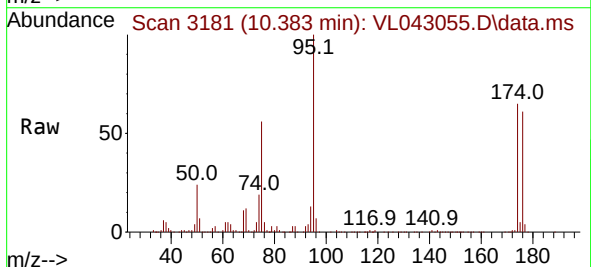
Instrument :
MSVOA_L
ClientSampleId :
VL1008ABL01

Tgt Ion:117 Resp: 390940
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.462 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.023 min
Lab File: VL043055.D
Acq: 08 Oct 2025 09:39

Tgt Ion: 95 Resp: 266462
Ion Ratio Lower Upper
95 100
174 66.4 52.3 78.5
175 4.8 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043080.D	1		10/09/25 10:10	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	0.18	0.43	U	0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043080.D	1		10/09/25 10:10	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.16	0.56	U	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135	103% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	179000		2.777		
540-36-3	1,4-Difluorobenzene	512000		3.942		
3114-55-4	Chlorobenzene-d5	429000		8.865		

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABL01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043080.D	1		10/09/25 10:10	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043080.D
 Acq On : 09 Oct 2025 10:10
 Operator : SY/MD
 Sample : VL1009ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABL01

Quant Time: Oct 09 22:12:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	178561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	511863	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	429488	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.364	95	319148	10.315	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

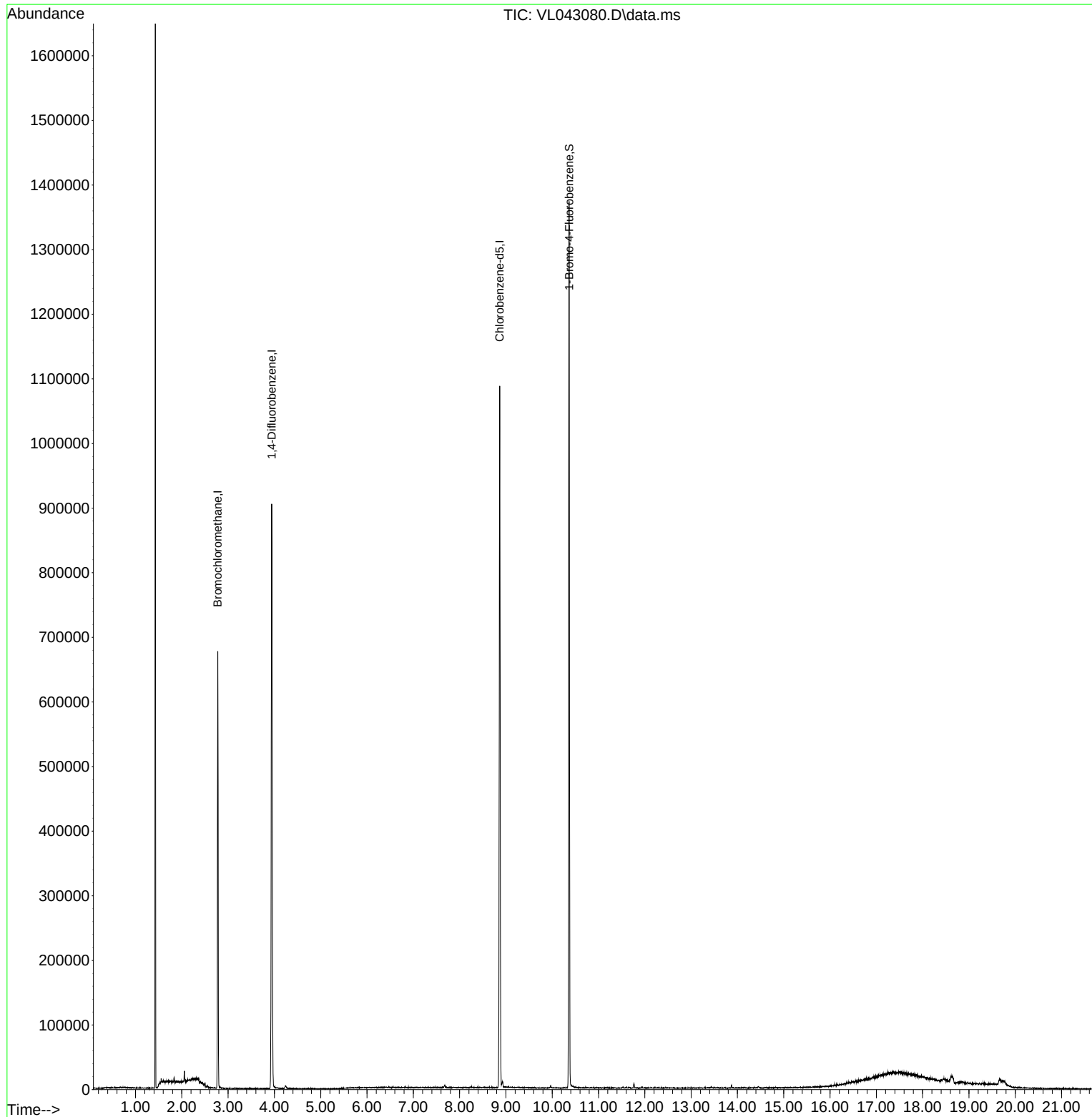
Target Compounds	Qvalue

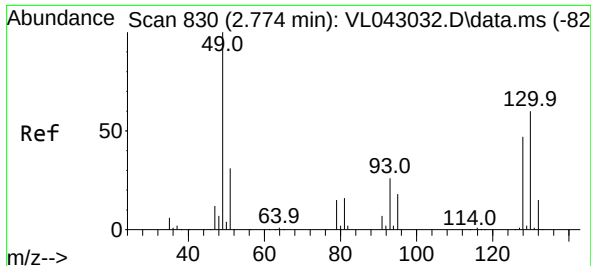
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043080.D
Acq On : 09 Oct 2025 10:10
Operator : SY/MD
Sample : VL1009ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABL01

Quant Time: Oct 09 22:12:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

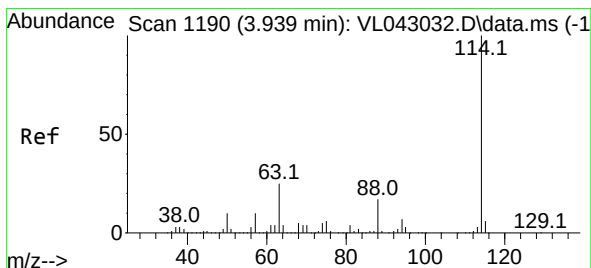
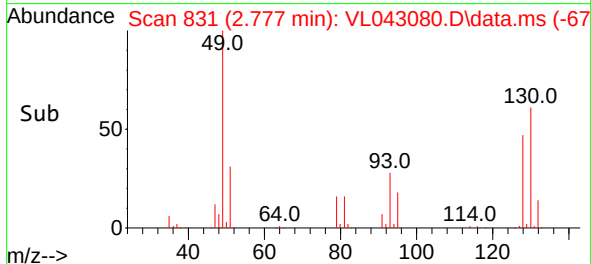
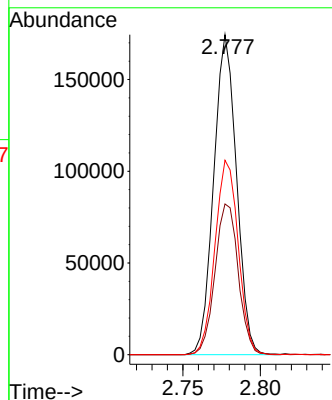
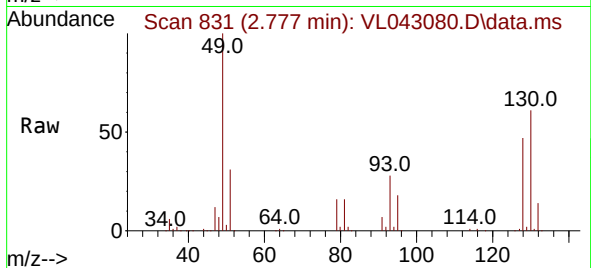




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

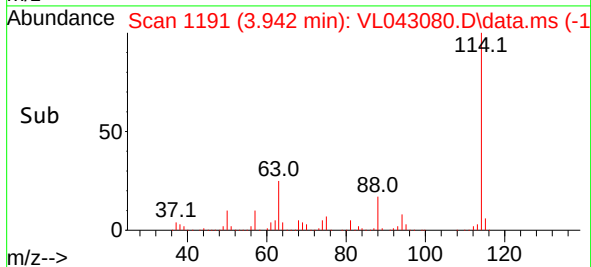
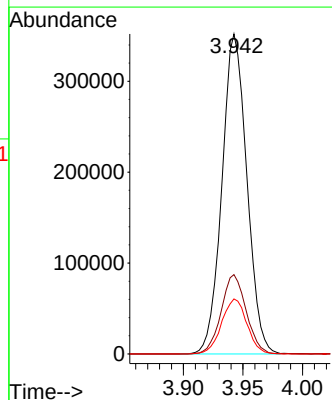
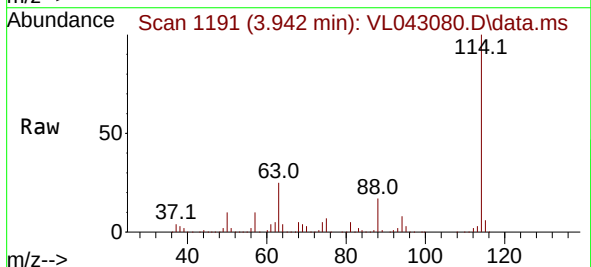
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABL01

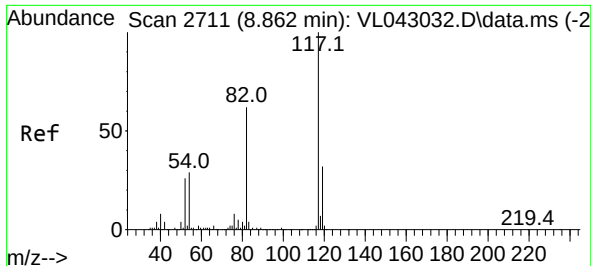
Tgt Ion: 49 Resp: 178561
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 62.0 31.4 94.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 114 Resp: 511863
Ion Ratio Lower Upper
114 100
63 25.0 19.4 29.2
88 17.5 13.9 20.9

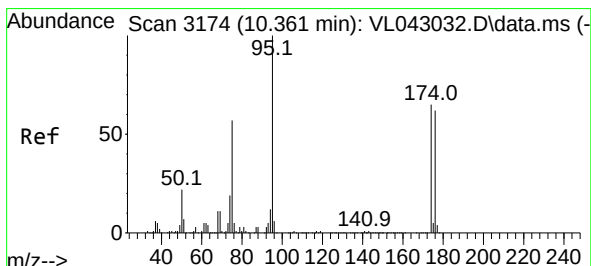
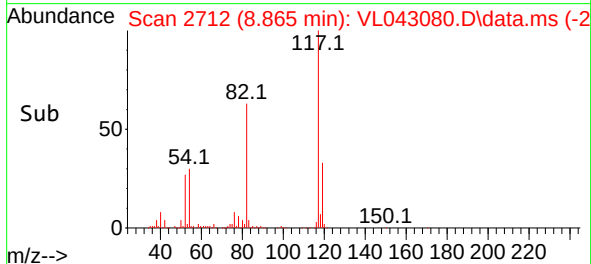
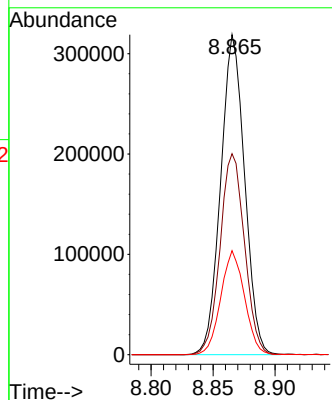
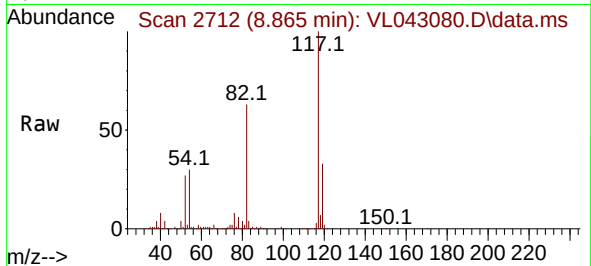




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

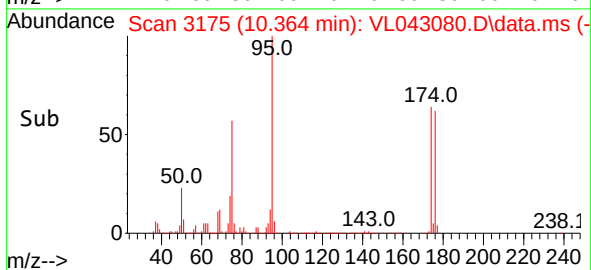
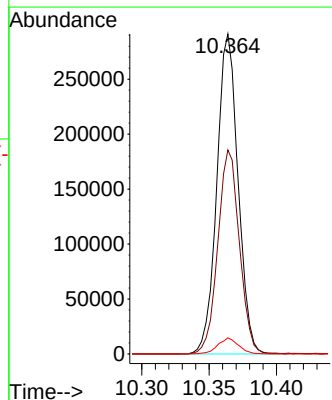
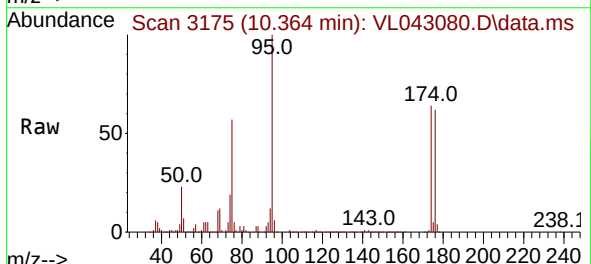
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABL01

Tgt Ion:117 Resp: 429488
Ion Ratio Lower Upper
117 100
82 64.1 53.0 79.6
119 32.4 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.315 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 95 Resp: 319148
Ion Ratio Lower Upper
95 100
174 64.6 52.3 78.5
175 4.9 3.8 5.8



Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043056.D	1		10/08/25 10:23	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	9.80	48.5		0.54	2.47
74-87-3	Chloromethane	9.80	20.2		0.21	1.03
75-01-4	Vinyl Chloride	9.50	24.3		0.080	0.080
74-83-9	Bromomethane	10.1	39.2		0.31	1.94
75-00-3	Chloroethane	9.50	25.1		0.40	1.32
109-99-9	Tetrahydrofuran	11.0	32.4		0.24	1.47
75-69-4	Trichlorofluoromethane	9.70	54.5		0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	9.60	73.6		1.07	3.83
76-14-2	Dichlorotetrafluoroethane	9.70	67.8		1.05	3.49
75-65-0	tert-Butyl alcohol	9.60	29.1		0.49	1.52
142-82-5	Heptane	11.0	45.1		0.70	2.05
75-35-4	1,1-Dichloroethene	9.60	38.1		0.59	1.98
67-64-1	Acetone	8.50	20.2		0.43	1.19
75-15-0	Carbon Disulfide	9.80	30.5		0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	9.30	33.5		0.83	1.80
75-09-2	Methylene Chloride	8.30	28.8		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	9.50	37.7		0.48	1.98
75-34-3	1,1-Dichloroethane	9.60	38.9		0.53	2.02
110-82-7	Cyclohexane	10.5	36.1		0.76	1.72
78-93-3	2-Butanone	10.1	29.8		0.18	1.47
56-23-5	Carbon Tetrachloride	9.90	62.3		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	9.60	38.1		0.40	1.98
67-66-3	Chloroform	9.70	47.4		0.49	2.44
71-55-6	1,1,1-Trichloroethane	9.60	52.4		0.11	0.16
540-84-1	2,2,4-Trimethylpentane	11.3	52.8		0.65	2.34
71-43-2	Benzene	10.4	33.2		0.26	1.60
107-06-2	1,2-Dichloroethane	10.3	41.7		0.36	2.02
79-01-6	Trichloroethene	10.6	57.0		0.11	0.16
78-87-5	1,2-Dichloropropane	10.3	47.6		0.60	2.31
75-27-4	Bromodichloromethane	10.4	69.7		0.40	3.35
108-10-1	4-Methyl-2-Pentanone	11.4	46.7		0.41	2.05
108-88-3	Toluene	11.3	42.6		0.60	1.88
10061-02-6	t-1,3-Dichloropropene	10.2	46.3		0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	10.6	48.1		0.50	2.27
79-00-5	1,1,2-Trichloroethane	10.1	55.1		0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043056.D	1		10/08/25 10:23	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	10.3	87.8		0.77	4.26
106-93-4	1,2-Dibromoethane	10.3	79.2		0.69	0.77
127-18-4	Tetrachloroethene	9.70	65.8		0.14	0.20
108-90-7	Chlorobenzene	10.2	47.0		0.37	2.30
100-41-4	Ethyl Benzene	11.6	50.4		0.83	2.17
179601-23-1	m/p-Xylene	23.0	99.9		1.78	4.34
95-47-6	o-Xylene	11.5	50.0		0.91	2.17
100-42-5	Styrene	11.6	49.4		0.68	2.13
75-25-2	Bromoform	10.2	105		0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	9.60	65.9		0.14	0.21
95-49-8	2-Chlorotoluene	11.0	57.0		0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	11.1	54.6		0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	11.0	54.1		0.88	2.46
541-73-1	1,3-Dichlorobenzene	9.90	59.5		0.30	3.01
106-46-7	1,4-Dichlorobenzene	10.3	61.9		0.78	3.01
95-50-1	1,2-Dichlorobenzene	9.60	57.7		0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	12.7	94.3		1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	10.3	110		1.39	5.33
106-99-0	1,3-Butadiene	9.50	21.0		0.11	1.11
91-20-3	Naphthalene	10.0	52.4		0.050	0.52
622-96-8	4-Ethyltoluene	11.4	56.0		1.03	2.46
110-54-3	Hexane	10.5	37.0		0.56	1.76
107-05-1	Allyl Chloride	9.70	30.4		0.34	1.57
123-91-1	1,4-Dioxane	10.5	37.8		0.79	1.80
80-62-6	Methyl Methacrylate	11.0	45.0		0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135	103% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	181000		2.79		
540-36-3	1,4-Difluorobenzene	507000		3.965		
3114-55-4	Chlorobenzene-d5	420000		8.888		

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1008ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1008ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043056.D	1		10/08/25 10:23	VL100825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043056.D
 Acq On : 08 Oct 2025 10:23
 Operator : SY/MD
 Sample : VL1008ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:13:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	180769	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.965	114	507280	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.888	117	420006	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 311409 10.292 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	298862	9.809	ppbv	99
3) Chlorodifluoromethane	1.479	51	287792	9.765	ppbv	99
4) Chloromethane	1.534	50	109383	9.829	ppbv	99
5) Vinyl Chloride	1.583	62	100664	9.531	ppbv	98
6) Bromomethane	1.670	94	47728	10.057	ppbv	94
7) Chloroethane	1.706	64	41972	9.524	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	241906	9.690	ppbv	100
9) Propene	1.486	41	112680	9.482	ppbv	97
10) Heptane	4.988	43	320232	10.961	ppbv	99
11) Trichlorofluoromethane	1.881	101	303354	9.689	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	236959	9.609	ppbv	98
13) Ethanol	1.725	45	5047	10.450	ppbv	96
14) Bromoethene	1.784	108	85960	9.723	ppbv	100
15) Acetone	1.839	43	214418	8.471	ppbv	99
16) 1,3-Butadiene	1.612	39	99577	9.542	ppbv	99
17) tert-Butyl alcohol	2.043	59	257752	9.627	ppbv	99
18) 1,1-Dichloroethene	2.036	96	103392	9.565	ppbv	99
19) Isopropyl Alcohol	1.887	45	112050	9.240	ppbv	98
20) Methylene Chloride	2.065	84	91977	8.325	ppbv	97
21) Allyl Chloride	2.101	41	157994	9.743	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	116408	9.485	ppbv	96
23) Vinyl Acetate	2.463	43	42601	7.928	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	224330	9.643	ppbv	98
25) Ethyl Acetate	2.839	43	649598	10.231	ppbv	100
26) Hexane	2.832	57	257052	10.524	ppbv	99
27) Carbon Disulfide	2.153	76	282182	9.786	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	141448	9.254	ppbv	100
29) Chloroform	2.852	83	402846	9.674	ppbv	99
30) Cyclohexane	3.865	84	209844	10.455	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	240044	9.560	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	388607	9.602	ppbv	99
34) 2-Butanone	2.560	43	346409	10.064	ppbv	99
35) Carbon Tetrachloride	3.768	117	414085	9.922	ppbv	97
36) Benzene	3.664	78	505655	10.433	ppbv	99
37) 1,2-Dichloroethane	3.224	62	295335	10.289	ppbv	99
38) Trichloroethene	4.558	130	214599	10.629	ppbv	100
39) 1,2-Dichloropropane	4.321	63	184414	10.265	ppbv	96
40) 1,4-Dioxane	4.587	88	80666	10.469	ppbv #	98
41) Tetrahydrofuran	3.056	42	196371	11.038	ppbv	99
42) Bromodichloromethane	4.496	83	421840	10.407	ppbv	98
43) Methyl Methacrylate	4.888	69	177306	11.020	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	876882	11.275	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	149657	10.165	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043056.D
 Acq On : 08 Oct 2025 10:23
 Operator : SY/MD
 Sample : VL1008ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:13:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	219390	10.576	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	202692	10.143	ppbv	93
48) Dibromochloromethane	7.396	129	335227	10.279	ppbv	100
49) Bromoform	9.490	173	277184	10.177	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	479434	11.422	ppbv	99
51) 2-Hexanone	7.441	43	357341	11.961	ppbv #	97
52) Tetrachloroethene	8.234	164	174823	9.742	ppbv	98
53) Toluene	6.943	91	550580	11.253	ppbv	100
54) 1,2-Dibromoethane	7.661	107	244672	10.331	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	268030	10.469	ppbv	99
57) Chlorobenzene	8.930	112	454755	10.242	ppbv	98
58) Ethyl Benzene	9.361	91	751984	11.557	ppbv	100
59) m/p-Xylene	9.558	91	1263318m	23.019	ppbv	
60) o-Xylene	9.972	91	629102	11.507	ppbv	98
61) Styrene	9.879	104	264798	11.562	ppbv	99
62) Isopropylbenzene	10.545	105	934426	11.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	378183	9.643	ppbv	100
64) n-propylbenzene	10.995	120	244470	11.388	ppbv	99
65) tert-Butylbenzene	11.536	119	831489	11.133	ppbv	99
66) Benzyl Chloride	11.620	91	27741	9.718	ppbv	99
67) sec-Butylbenzene	11.772	105	1135694	10.896	ppbv	100
69) p-Isopropyltoluene	11.931	119	948994	11.193	ppbv	99
70) n-Butylbenzene	12.287	91	917717	11.241	ppbv	100
71) 2-Chlorotoluene	10.908	91	667532	10.990	ppbv	100
72) 4-Ethyltoluene	11.131	105	744358	11.439	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	624701	11.098	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	697335	10.976	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	408885	9.895	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	405222	10.285	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	395362	9.606	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	294735	10.277	ppbv	99
79) Naphthalene	13.517	128	540252	10.024	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	208159	8.390	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	311481	12.721	ppbv	98

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043081.D	1		10/09/25 10:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	9.60	47.5		0.54	2.47
74-87-3	Chloromethane	9.60	19.8		0.21	1.03
75-01-4	Vinyl Chloride	9.30	23.8		0.080	0.080
74-83-9	Bromomethane	9.50	36.9		0.31	1.94
75-00-3	Chloroethane	9.10	24.0		0.40	1.32
109-99-9	Tetrahydrofuran	9.90	29.2		0.24	1.47
75-69-4	Trichlorofluoromethane	9.20	51.7		0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	9.30	71.3		1.07	3.83
76-14-2	Dichlorotetrafluoroethane	9.60	67.1		1.05	3.49
75-65-0	tert-Butyl alcohol	9.10	27.6		0.49	1.52
142-82-5	Heptane	10.0	41.0		0.70	2.05
75-35-4	1,1-Dichloroethene	9.20	36.5		0.59	1.98
67-64-1	Acetone	8.20	19.5		0.43	1.19
75-15-0	Carbon Disulfide	9.50	29.6		0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	8.70	31.4		0.83	1.80
75-09-2	Methylene Chloride	8.10	28.1		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	9.10	36.1		0.48	1.98
75-34-3	1,1-Dichloroethane	9.00	36.4		0.53	2.02
110-82-7	Cyclohexane	9.60	33.0		0.76	1.72
78-93-3	2-Butanone	9.20	27.1		0.18	1.47
56-23-5	Carbon Tetrachloride	9.60	60.4		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	8.90	35.3		0.40	1.98
67-66-3	Chloroform	9.30	45.4		0.49	2.44
71-55-6	1,1,1-Trichloroethane	9.30	50.7		0.11	0.16
540-84-1	2,2,4-Trimethylpentane	10.2	47.6		0.65	2.34
71-43-2	Benzene	9.40	30.0		0.26	1.60
107-06-2	1,2-Dichloroethane	9.80	39.7		0.36	2.02
79-01-6	Trichloroethene	9.50	51.1		0.11	0.16
78-87-5	1,2-Dichloropropane	9.20	42.5		0.60	2.31
75-27-4	Bromodichloromethane	9.80	65.7		0.40	3.35
108-10-1	4-Methyl-2-Pentanone	10.4	42.6		0.41	2.05
108-88-3	Toluene	10.2	38.4		0.60	1.88
10061-02-6	t-1,3-Dichloropropene	9.40	42.7		0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	9.60	43.6		0.50	2.27
79-00-5	1,1,2-Trichloroethane	9.40	51.3		0.44	2.73

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043081.D	1		10/09/25 10:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	10.0	85.2		0.77	4.26
106-93-4	1,2-Dibromoethane	9.90	76.1		0.69	0.77
127-18-4	Tetrachloroethene	9.10	61.7		0.14	0.20
108-90-7	Chlorobenzene	9.20	42.4		0.37	2.30
100-41-4	Ethyl Benzene	10.4	45.2		0.83	2.17
179601-23-1	m/p-Xylene	21.3	92.5		1.78	4.34
95-47-6	o-Xylene	10.7	46.5		0.91	2.17
100-42-5	Styrene	10.6	45.1		0.68	2.13
75-25-2	Bromoform	10.4	108		0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	9.40	64.5		0.14	0.21
95-49-8	2-Chlorotoluene	10.5	54.4		0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	10.8	53.1		0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	10.8	53.1		0.88	2.46
541-73-1	1,3-Dichlorobenzene	10.0	60.1		0.30	3.01
106-46-7	1,4-Dichlorobenzene	10.3	61.9		0.78	3.01
95-50-1	1,2-Dichlorobenzene	9.60	57.7		0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	11.4	84.6		1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	9.40	100		1.39	5.33
106-99-0	1,3-Butadiene	9.20	20.4		0.11	1.11
91-20-3	Naphthalene	9.50	49.8		0.050	0.52
622-96-8	4-Ethyltoluene	11.0	54.1		1.03	2.46
110-54-3	Hexane	9.60	33.8		0.56	1.76
107-05-1	Allyl Chloride	9.00	28.2		0.34	1.57
123-91-1	1,4-Dioxane	9.90	35.7		0.79	1.80
80-62-6	Methyl Methacrylate	10.0	41.0		0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	11.4			65 - 135	114% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	181000		2.777		
540-36-3	1,4-Difluorobenzene	514000		3.939		
3114-55-4	Chlorobenzene-d5	451000		8.865		

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	200 Reservoir St, Trenton NJ	Date Received:	
Client Sample ID:	VL1009ABS01	SDG No.:	Q3320
Lab Sample ID:	VL1009ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL043081.D	1		10/09/25 10:54	VL100925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043081.D
 Acq On : 09 Oct 2025 10:54
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:12:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	181390	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	514089	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	451201	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 369478 11.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	293580	9.603	ppbv	99
3) Chlorodifluoromethane	1.473	51	270688	9.153	ppbv	99
4) Chloromethane	1.528	50	107728	9.647	ppbv	100
5) Vinyl Chloride	1.577	62	98068	9.254	ppbv	97
6) Bromomethane	1.664	94	45154	9.482	ppbv	93
7) Chloroethane	1.700	64	40121	9.073	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	241323	9.633	ppbv	99
9) Propene	1.479	41	96090	8.058	ppbv	97
10) Heptane	4.959	43	293330	10.005	ppbv	100
11) Trichlorofluoromethane	1.871	101	288827	9.193	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	230473	9.314	ppbv	98
13) Ethanol	1.716	45	5225	10.822	ppbv	93
14) Bromoethene	1.777	108	84616	9.539	ppbv	98
15) Acetone	1.829	43	207129	8.155	ppbv	99
16) 1,3-Butadiene	1.606	39	96473	9.213	ppbv	99
17) tert-Butyl alcohol	2.033	59	243309	9.057	ppbv	100
18) 1,1-Dichloroethene	2.026	96	100023	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	110569	9.086	ppbv	100
20) Methylene Chloride	2.056	84	89568	8.080	ppbv	98
21) Allyl Chloride	2.088	41	146785	9.021	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	112670	9.149	ppbv	98
23) Vinyl Acetate	2.454	43	39200	7.270	ppbv	98
24) 1,1-Dichloroethane	2.402	63	210505	9.017	ppbv	99
25) Ethyl Acetate	2.823	43	600739	9.429	ppbv	100
26) Hexane	2.816	57	234699	9.576	ppbv	98
27) Carbon Disulfide	2.143	76	273526	9.453	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	134182	8.748	ppbv	99
29) Chloroform	2.836	83	388742	9.303	ppbv	99
30) Cyclohexane	3.842	84	194228	9.644	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	223556	8.873	ppbv	97
32) 1,1,1-Trichloroethane	3.353	97	375702	9.251	ppbv	99
34) 2-Butanone	2.548	43	320496	9.188	ppbv	98
35) Carbon Tetrachloride	3.748	117	407086	9.625	ppbv	96
36) Benzene	3.642	78	461671	9.400	ppbv	98
37) 1,2-Dichloroethane	3.205	62	284516	9.781	ppbv	98
38) Trichloroethene	4.528	130	194878	9.525	ppbv	97
39) 1,2-Dichloropropane	4.295	63	167974	9.226	ppbv	95
40) 1,4-Dioxane	4.558	88	77501	9.925	ppbv #	96
41) Tetrahydrofuran	3.040	42	178901	9.923	ppbv	99
42) Bromodichloromethane	4.470	83	404287	9.842	ppbv	97
43) Methyl Methacrylate	4.855	69	163729	10.042	ppbv	99
44) 2,2,4-Trimethylpentane	4.619	57	800720	10.160	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	139636	9.358	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043081.D
 Acq On : 09 Oct 2025 10:54
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:12:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

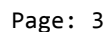
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	201001	9.561	ppbv	99
47) 1,1,2-Trichloroethane	6.555	97	190408	9.403	ppbv	97
48) Dibromochloromethane	7.367	129	329184	9.960	ppbv	99
49) Bromoform	9.467	173	286743	10.388	ppbv	99
50) 4-Methyl-2-Pentanone	5.719	43	443830	10.434	ppbv	98
51) 2-Hexanone	7.412	43	339405	11.210	ppbv #	97
52) Tetrachloroethene	8.205	164	164807	9.062	ppbv	98
53) Toluene	6.911	91	506100	10.206	ppbv	100
54) 1,2-Dibromoethane	7.632	107	238079	9.919	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.908	131	264615	9.621	ppbv	100
57) Chlorobenzene	8.904	112	436424	9.150	ppbv	98
58) Ethyl Benzene	9.338	91	728666	10.424	ppbv	100
59) m/p-Xylene	9.535	91	1254878m	21.284	ppbv	
60) o-Xylene	9.950	91	627895	10.691	ppbv	100
61) Styrene	9.856	104	260881	10.603	ppbv	99
62) Isopropylbenzene	10.526	105	942102	10.450	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	396481	9.410	ppbv	99
64) n-propylbenzene	10.976	120	248676	10.783	ppbv	98
65) tert-Butylbenzene	11.520	119	862289	10.747	ppbv	100
66) Benzyl Chloride	11.604	91	33788	11.018	ppbv	98
67) sec-Butylbenzene	11.756	105	1196731	10.688	ppbv	100
69) p-Isopropyltoluene	11.914	119	1005278	11.037	ppbv	99
70) n-Butylbenzene	12.270	91	986134	11.244	ppbv	100
71) 2-Chlorotoluene	10.888	91	688227	10.547	ppbv	99
72) 4-Ethyltoluene	11.112	105	768344	10.992	ppbv	100
73) 1,3,5-Trimethylbenzene	11.193	105	653539	10.807	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	738742	10.824	ppbv	93
75) 1,3-Dichlorobenzene	11.594	146	443496	9.991	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	434532	10.266	ppbv	100
77) 1,2-Dichlorobenzene	11.934	146	425426	9.622	ppbv	99
78) Hexachloro-1,3-Butadiene	13.869	225	289580	9.400	ppbv	100
79) Naphthalene	13.500	128	547120	9.489	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	207315	7.827	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	299266	11.377	ppbv	99

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

Manual Integrations
APPROVED

Quant Time: Oct 09 22:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VL100225	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL043031.D	1,4-Dioxane	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	2-Hexanone	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	cis-1,3-Dichloropropene	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	Heptane	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	m/p-Xylene	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	t-1,3-Dichloropropene	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	Toluene	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICC0.5	VL043031.D	Trichloroethene	sam	10/3/2025 10:27:49 AM	MMdadoda	10/10/2025 2:48:22 AM	Peak Integrated by Software
VSTDICCC010	VL043032.D	m/p-Xylene	sam	10/3/2025 10:27:54 AM	MMdadoda	10/10/2025 2:48:28 AM	Peak Integrated by Software
VSTDICC002	VL043033.D	1,4-Dioxane	sam	10/3/2025 10:27:58 AM	MMdadoda	10/10/2025 2:48:33 AM	Peak Integrated by Software
VSTDICC002	VL043033.D	m/p-Xylene	sam	10/3/2025 10:27:58 AM	MMdadoda	10/10/2025 2:48:33 AM	Peak Integrated by Software
VSTDICC001	VL043034.D	1,4-Dioxane	sam	10/3/2025 10:28:33 AM	MMdadoda	10/10/2025 2:48:45 AM	Peak Integrated by Software
VSTDICC001	VL043034.D	cis-1,3-Dichloropropene	sam	10/3/2025 10:28:33 AM	MMdadoda	10/10/2025 2:48:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL100225

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VL043034.D	m/p-Xylene	sam	10/3/2025 10:28:33 AM	MMdadoda	10/10/2025 2:48:45 AM	Peak Integrated by Software
VSTDIC0.1	VL043036.D	1,2-Dibromoethane	sam	10/3/2025 10:28:47 AM	MMdadoda	10/10/2025 2:48:55 AM	Peak Integrated by Software
VSTDIC0.1	VL043036.D	Trichloroethene	sam	10/3/2025 10:28:47 AM	MMdadoda	10/10/2025 2:48:55 AM	Peak Integrated by Software
VSTDIC0.03	VL043037.D	1,1,1-Trichloroethane	sam	10/3/2025 10:28:52 AM	MMdadoda	10/10/2025 2:49:00 AM	Peak Integrated by Software
VSTDIC0.03	VL043037.D	Carbon Tetrachloride	sam	10/3/2025 10:28:52 AM	MMdadoda	10/10/2025 2:49:00 AM	Peak Integrated by Software
VSTDIC0.03	VL043037.D	Tetrachloroethene	sam	10/3/2025 10:28:52 AM	MMdadoda	10/10/2025 2:49:00 AM	Peak Integrated by Software
VSTDIC0.03	VL043037.D	Trichloroethene	sam	10/3/2025 10:28:52 AM	MMdadoda	10/10/2025 2:49:00 AM	Peak Integrated by Software
VSTDIC015	VL043038.D	m/p-Xylene	sam	10/3/2025 10:28:09 AM	MMdadoda	10/10/2025 2:49:04 AM	Peak Integrated by Software
VSTDICV010	VL043039.D	m/p-Xylene	sam	10/3/2025 10:28:16 AM	MMdadoda	10/10/2025 2:49:12 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl100825	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDC0010	VL043054.D	m/p-Xylene	sam	10/9/2025 1:34:00 PM	MMdadoda	10/10/2025 4:41:44 AM	Peak Integrated by Software
VL1008ABS01	VL043056.D	m/p-Xylene	sam	10/9/2025 1:34:05 PM	MMdadoda	10/10/2025 4:41:48 AM	Peak Integrated by Software
Q3320-13	VL043070.D	Carbon Tetrachloride	sam	10/9/2025 1:34:53 PM	MMdadoda	10/10/2025 4:42:27 AM	Peak Integrated by Software
Q3320-13	VL043070.D	Chlorodifluoromethane	sam	10/9/2025 1:34:53 PM	MMdadoda	10/10/2025 4:42:27 AM	Peak Integrated by Software
Q3320-09	VL043072.D	Carbon Tetrachloride	sam	10/9/2025 1:35:23 PM	MMdadoda	10/10/2025 4:42:32 AM	Peak Integrated by Software
Q3320-09	VL043072.D	Chlorodifluoromethane	sam	10/9/2025 1:35:23 PM	MMdadoda	10/10/2025 4:42:32 AM	Peak Integrated by Software
Q3320-09	VL043072.D	m/p-Xylene	sam	10/9/2025 1:35:23 PM	MMdadoda	10/10/2025 4:42:32 AM	Peak Integrated by Software
Q3320-09	VL043072.D	Tetrachloroethene	sam	10/9/2025 1:35:23 PM	MMdadoda	10/10/2025 4:42:32 AM	Peak Integrated by Software
Q3320-09	VL043072.D	Toluene	sam	10/9/2025 1:35:23 PM	MMdadoda	10/10/2025 4:42:32 AM	Peak Integrated by Software
Q3320-05	VL043074.D	Carbon Tetrachloride	sam	10/9/2025 1:35:28 PM	MMdadoda	10/10/2025 4:42:37 AM	Peak Integrated by Software
Q3320-05	VL043074.D	Chlorodifluoromethane	sam	10/9/2025 1:35:28 PM	MMdadoda	10/10/2025 4:42:37 AM	Peak Integrated by Software
Q3320-05	VL043074.D	Tetrachloroethene	sam	10/9/2025 1:35:28 PM	MMdadoda	10/10/2025 4:42:37 AM	Peak Integrated by Software
Q3320-05	VL043074.D	Trichloroethene	sam	10/9/2025 1:35:28 PM	MMdadoda	10/10/2025 4:42:37 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vl100825

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3320-07	VL043076.D	Chlorodifluoromethane	sam	10/9/2025 1:34:41 PM	MMdadoda	10/10/2025 4:42:48 AM	Peak Integrated by Software
Q3320-07	VL043076.D	Toluene	sam	10/9/2025 1:34:41 PM	MMdadoda	10/10/2025 4:42:48 AM	Peak Integrated by Software
Q3320-07	VL043076.D	Trichloroethene	sam	10/9/2025 1:34:41 PM	MMdadoda	10/10/2025 4:42:48 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL100925	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDC0010	VL043079.D	m/p-Xylene	sam	10/10/2025 2:00:19 PM	MMdadoda	10/10/2025 11:15:50 PM	Peak Integrated by Software
VL1009ABS01	VL043081.D	m/p-Xylene	sam	10/10/2025 2:01:22 PM	MMdadoda	10/10/2025 11:15:54 PM	Peak Integrated by Software
Q3320-01	VL043083.D	1,1,2,2-Tetrachloroethane	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	2-Hexanone	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	4-Methyl-2-Pentanone	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	Chlorodifluoromethane	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	Tetrachloroethene	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	Toluene	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01	VL043083.D	Trichloroethene	sam	10/10/2025 2:01:28 PM	MMdadoda	10/10/2025 11:16:00 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	1,1,2,2-Tetrachloroethane	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	2-Hexanone	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	4-Methyl-2-Pentanone	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	Chlorodifluoromethane	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL100925	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3320-01DUP	VL043084.D	Propene	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	Tetrachloroethene	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-01DUP	VL043084.D	Trichloroethene	sam	10/10/2025 2:00:45 PM	MMdadoda	10/10/2025 11:16:04 PM	Peak Integrated by Software
Q3320-03	VL043085.D	Carbon Tetrachloride	sam	10/10/2025 2:01:08 PM	MMdadoda	10/10/2025 11:16:09 PM	Peak Integrated by Software
Q3320-03	VL043085.D	Chlorodifluoromethane	sam	10/10/2025 2:01:08 PM	MMdadoda	10/10/2025 11:16:09 PM	Peak Integrated by Software
Q3320-03	VL043085.D	Tetrachloroethene	sam	10/10/2025 2:01:08 PM	MMdadoda	10/10/2025 11:16:09 PM	Peak Integrated by Software
Q3320-03	VL043085.D	Trichloroethene	sam	10/10/2025 2:01:08 PM	MMdadoda	10/10/2025 11:16:09 PM	Peak Integrated by Software
Q3320-11	VL043086.D	Carbon Tetrachloride	sam	10/10/2025 2:01:32 PM	MMdadoda	10/10/2025 11:16:14 PM	Peak Integrated by Software
Q3320-11	VL043086.D	Chlorodifluoromethane	sam	10/10/2025 2:01:32 PM	MMdadoda	10/10/2025 11:16:14 PM	Peak Integrated by Software
Q3320-11	VL043086.D	m/p-Xylene	sam	10/10/2025 2:01:32 PM	MMdadoda	10/10/2025 11:16:14 PM	Peak Integrated by Software
Q3320-11	VL043086.D	Propene	sam	10/10/2025 2:01:32 PM	MMdadoda	10/10/2025 11:16:14 PM	Peak Integrated by Software
Q3320-04	VL043087.D	1,1,1-Trichloroethane	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software
Q3320-04	VL043087.D	2-Hexanone	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL100925

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3320-04	VL043087.D	Ethanol	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software
Q3320-04	VL043087.D	Heptane	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software
Q3320-04	VL043087.D	Isopropyl Alcohol	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software
Q3320-04	VL043087.D	m/p-Xylene	sam	10/10/2025 2:01:37 PM	MMdadoda	10/10/2025 11:16:19 PM	Peak Integrated by Software
Q3320-02	VL043089.D	2-Hexanone	sam	10/10/2025 2:00:41 PM	MMdadoda	10/10/2025 11:16:27 PM	Peak Integrated by Software
Q3320-02	VL043089.D	Benzene	sam	10/10/2025 2:00:41 PM	MMdadoda	10/10/2025 11:16:27 PM	Peak Integrated by Software
Q3320-02	VL043089.D	Chlorodifluoromethane	sam	10/10/2025 2:00:41 PM	MMdadoda	10/10/2025 11:16:27 PM	Peak Integrated by Software
Q3320-02	VL043089.D	Cyclohexane	sam	10/10/2025 2:00:41 PM	MMdadoda	10/10/2025 11:16:27 PM	Peak Integrated by Software
Q3320-02	VL043089.D	Heptane	sam	10/10/2025 2:00:41 PM	MMdadoda	10/10/2025 11:16:27 PM	Peak Integrated by Software
Q3320-12DL	VL043092.D	Trichloroethene	sam	10/10/2025 2:01:52 PM	MMdadoda	10/10/2025 11:16:41 PM	Peak Integrated by Software
Q3320-06	VL043094.D	Cyclohexane	sam	10/10/2025 2:00:54 PM	MMdadoda	10/10/2025 11:16:45 PM	Peak Integrated by Software
Q3320-06	VL043094.D	m/p-Xylene	sam	10/10/2025 2:00:54 PM	MMdadoda	10/10/2025 11:16:45 PM	Peak Integrated by Software
Q3320-06	VL043094.D	Tetrachloroethene	sam	10/10/2025 2:00:54 PM	MMdadoda	10/10/2025 11:16:45 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL100925

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3320-06	VL043094.D	Tetrahydrofuran	sam	10/10/2025 2:00:54 PM	MMdadoda	10/10/2025 11:16:45 PM	Peak Integrated by Software
Q3320-06	VL043094.D	Trichloroethene	sam	10/10/2025 2:00:54 PM	MMdadoda	10/10/2025 11:16:45 PM	Peak Integrated by Software
Q3320-08	VL043095.D	2-Hexanone	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-08	VL043095.D	Ethyl Benzene	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-08	VL043095.D	Heptane	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-08	VL043095.D	m/p-Xylene	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-08	VL043095.D	o-Xylene	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-08	VL043095.D	Trichloroethene	sam	10/10/2025 2:01:58 PM	MMdadoda	10/10/2025 11:16:49 PM	Peak Integrated by Software
Q3320-10	VL043096.D	Heptane	sam	10/10/2025 2:00:36 PM	MMdadoda	10/10/2025 11:16:54 PM	Peak Integrated by Software
Q3320-10	VL043096.D	m/p-Xylene	sam	10/10/2025 2:00:36 PM	MMdadoda	10/10/2025 11:16:54 PM	Peak Integrated by Software
Q3320-12	VL043097.D	Benzene	sam	10/10/2025 2:02:02 PM	MMdadoda	10/10/2025 11:16:58 PM	Peak Integrated by Software
Q3320-12	VL043097.D	Heptane	sam	10/10/2025 2:02:02 PM	MMdadoda	10/10/2025 11:16:58 PM	Peak Integrated by Software
Q3320-12	VL043097.D	Trichloroethene	sam	10/10/2025 2:02:02 PM	MMdadoda	10/10/2025 11:16:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL100925

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3320-08DL	VL043101.D	Ethanol	sam	10/10/2025 2:01:03 PM	MMdadoda	10/10/2025 11:17:06 PM	Peak Integrated by Software
Q3320-08DL	VL043101.D	Tetrachloroethene	sam	10/10/2025 2:01:03 PM	MMdadoda	10/10/2025 11:17:06 PM	Peak Integrated by Software
Q3320-08DL	VL043101.D	Trichloroethene	sam	10/10/2025 2:01:03 PM	MMdadoda	10/10/2025 11:17:06 PM	Peak Integrated by Software

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL100225

Review By	Semsettin Yesilyurt	Review On	10/3/2025 9:49:03 AM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 2:54:57 AM		
SubDirectory	VL100225	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2682			
Initial Calibration Stds		AP2678,AP2679,AP2680			
CCC		AP2678			
Internal Standard/PEM		AP2682			
ICV/I.BLK		AP2681			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampled	Data File Name	Date-Time	Operator	Status
1	BFB	VL043030.D	02 Oct 2025 09:11	SY/MD	Ok
2	VSTDIC0.5	VL043031.D	02 Oct 2025 09:50	SY/MD	Ok,M
3	VSTDICCC010	VL043032.D	02 Oct 2025 10:23	SY/MD	Ok,M
4	VSTDIC002	VL043033.D	02 Oct 2025 10:57	SY/MD	Ok,M
5	VSTDIC001	VL043034.D	02 Oct 2025 11:29	SY/MD	Ok,M
6	VSTDIC0.5	VL043035.D	02 Oct 2025 12:02	SY/MD	Not Ok
7	VSTDIC0.1	VL043036.D	02 Oct 2025 12:35	SY/MD	Ok,M
8	VSTDIC0.03	VL043037.D	02 Oct 2025 13:07	SY/MD	Ok,M
9	VSTDIC015	VL043038.D	02 Oct 2025 13:41	SY/MD	Ok,M
10	VSTDICV010	VL043039.D	02 Oct 2025 14:14	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL100825

Review By	Semsettin Yesilyurt	Review On	10/9/2025 1:56:13 PM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:42:55 AM		
SubDirectory	VL100825	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2682			
Initial Calibration Stds		AP2678,AP2679,AP2680			
CCC		AP2678			
Internal Standard/PEM		AP2682			
ICV/I.BLK		AP2681			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043053.D	08 Oct 2025 08:00	SY/MD	Ok
2	VSTDCCC010	VL043054.D	08 Oct 2025 08:54	SY/MD	Ok,M
3	VL1008ABL01	VL043055.D	08 Oct 2025 09:39	SY/MD	Ok
4	VL1008ABS01	VL043056.D	08 Oct 2025 10:23	SY/MD	Ok,M
5	QC100625 CAN 10595	VL043057.D	08 Oct 2025 11:10	SY/MD	Not Ok
6	QC100725 CAN 10420	VL043058.D	08 Oct 2025 11:43	SY/MD	Ok
7	QC100725 CAN 10133	VL043059.D	08 Oct 2025 12:16	SY/MD	Ok
8	QC100725 CAN 10122	VL043060.D	08 Oct 2025 12:49	SY/MD	Ok
9	Q3306-01	VL043061.D	08 Oct 2025 13:23	SY/MD	Ok,M
10	Q3306-01DUP	VL043062.D	08 Oct 2025 13:58	SY/MD	Ok,M
11	Q3306-02	VL043063.D	08 Oct 2025 14:32	SY/MD	Ok,M
12	Q3306-04	VL043064.D	08 Oct 2025 15:05	SY/MD	Not Ok
13	Q3306-03	VL043065.D	08 Oct 2025 15:38	SY/MD	Not Ok
14	Q3306-04	VL043066.D	08 Oct 2025 19:57	SY/MD	Ok,M
15	Q3306-03	VL043067.D	08 Oct 2025 20:30	SY/MD	Ok,M
16	VIBLK	VL043068.D	08 Oct 2025 21:03	SY/MD	Ok
17	QC100684 CAN 10595	VL043069.D	08 Oct 2025 21:36	SY/MD	Not Ok
18	Q3320-13	VL043070.D	08 Oct 2025 22:10	SY/MD	Ok,M
19	Q3320-13DL	VL043071.D	08 Oct 2025 22:43	SY/MD	Not Ok
20	Q3320-09	VL043072.D	08 Oct 2025 23:16	SY/MD	Ok,M
21	Q3320-09DL	VL043073.D	08 Oct 2025 23:49	SY/MD	Not Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL100825

Review By	Semsettin Yesilyurt	Review On	10/9/2025 1:56:13 PM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:42:55 AM		
SubDirectory	VL100825	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2682				
Initial Calibration Stds	AP2678,AP2679,AP2680				
CCC	AP2678				
Internal Standard/PEM	AP2682				
ICV/I.BLK	AP2681				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3320-05	VL043074.D	09 Oct 2025 00:22	SY/MD	Ok,M
23	Q3320-05DL	VL043075.D	09 Oct 2025 00:55	SY/MD	Not Ok
24	Q3320-07	VL043076.D	09 Oct 2025 01:28	SY/MD	Ok,M
25	Q3320-07DL	VL043077.D	09 Oct 2025 02:01	SY/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL100925

Review By	Semsettin Yesilyurt	Review On	10/10/2025 2:03:15 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 11:17:18 PM		
SubDirectory	VL100925	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2683			
Initial Calibration Stds		AP2678,AP2679,AP2680			
CCC		AP2678			
Internal Standard/PEM		AP2683			
ICV/I.BLK		AP2681			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043078.D	09 Oct 2025 07:56	SY/MD	Ok
2	VSTDCCC010	VL043079.D	09 Oct 2025 09:29	SY/MD	Ok,M
3	VL1009ABL01	VL043080.D	09 Oct 2025 10:10	SY/MD	Ok
4	VL1009ABS01	VL043081.D	09 Oct 2025 10:54	SY/MD	Ok,M
5	QC100625 CAN 10595	VL043082.D	09 Oct 2025 11:35	SY/MD	Ok
6	Q3320-01	VL043083.D	09 Oct 2025 12:09	SY/MD	Ok,M
7	Q3320-01DUP	VL043084.D	09 Oct 2025 12:44	SY/MD	Ok,M
8	Q3320-03	VL043085.D	09 Oct 2025 13:18	SY/MD	Ok,M
9	Q3320-11	VL043086.D	09 Oct 2025 13:52	SY/MD	Ok,M
10	Q3320-04	VL043087.D	09 Oct 2025 14:25	SY/MD	Dilution
11	Q3320-06	VL043088.D	09 Oct 2025 14:57	SY/MD	Not Ok
12	Q3320-02	VL043089.D	09 Oct 2025 15:31	SY/MD	Dilution
13	Q3320-08	VL043090.D	09 Oct 2025 16:07	SY/MD	Not Ok
14	Q3320-10	VL043091.D	09 Oct 2025 16:42	SY/MD	Not Ok
15	Q3320-12DL	VL043092.D	09 Oct 2025 17:17	SY/MD	Ok,M
16	Q3320-04DL	VL043093.D	09 Oct 2025 18:20	SY/MD	Ok
17	Q3320-06	VL043094.D	09 Oct 2025 18:54	SY/MD	Ok,M
18	Q3320-08	VL043095.D	09 Oct 2025 19:29	SY/MD	Dilution
19	Q3320-10	VL043096.D	09 Oct 2025 20:04	SY/MD	Ok,M
20	Q3320-12	VL043097.D	09 Oct 2025 20:39	SY/MD	Dilution
21	Q3320-02DL	VL043098.D	09 Oct 2025 21:14	SY/MD	Not Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QCBatch ID # VL100925

Review By	Semsettin Yesilyurt	Review On	10/10/2025 2:03:15 PM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 11:17:18 PM		
SubDirectory	VL100925	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2683			
Initial Calibration Stds		AP2678,AP2679,AP2680			
CCC		AP2678			
Internal Standard/PEM		AP2683			
ICV/I.BLK		AP2681			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3320-02DL	VL043099.D	09 Oct 2025 21:49	SY/MD	Not Ok
23	VIBLK	VL043100.D	09 Oct 2025 22:23	SY/MD	Ok
24	Q3320-08DL	VL043101.D	09 Oct 2025 22:58	SY/MD	Ok,M
25	Q3320-02DL	VL043102.D	10 Oct 2025 07:46	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL100225

Review By	Semsettin Yesilyurt	Review On	10/3/2025 9:49:03 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 2:54:57 AM		
SubDirectory	VL100225	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2682
Initial Calibration Stds	AP2678,AP2679,AP2680
CCC	AP2678
Internal Standard/PEM	AP2682
ICV/I.BLK	AP2681
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043030.D	02 Oct 2025 09:11		SY/MD	Ok
2	VSTDICC0.5	VSTDICC0.5	VL043031.D	02 Oct 2025 09:50		SY/MD	Ok,M
3	VSTDICCC010	VSTDICCC010	VL043032.D	02 Oct 2025 10:23	LR-13,80 and QR-79	SY/MD	Ok,M
4	VSTDICC002	VSTDICC002	VL043033.D	02 Oct 2025 10:57		SY/MD	Ok,M
5	VSTDICC001	VSTDICC001	VL043034.D	02 Oct 2025 11:29		SY/MD	Ok,M
6	VSTDICC0.5	VSTDICC0.5	VL043035.D	02 Oct 2025 12:02	Not used	SY/MD	Not Ok
7	VSTDICC0.1	VSTDICC0.1	VL043036.D	02 Oct 2025 12:35		SY/MD	Ok,M
8	VSTDICC0.03	VSTDICC0.03	VL043037.D	02 Oct 2025 13:07		SY/MD	Ok,M
9	VSTDICC015	VSTDICC015	VL043038.D	02 Oct 2025 13:41		SY/MD	Ok,M
10	VSTDICV010	ICVVL100225	VL043039.D	02 Oct 2025 14:14		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL100825

Review By	Semsettin Yesilyurt	Review On	10/9/2025 1:56:13 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:42:55 AM				
SubDirectory	VL100825	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M		
STD. NAME		STD REF.#					
Tune/Reschk		AP2682					
Initial Calibration Stds		AP2678,AP2679,AP2680					
CCC		AP2678					
Internal Standard/PEM		AP2682					
ICV/I.BLK		AP2681					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043053.D	08 Oct 2025 08:00		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043054.D	08 Oct 2025 08:54		SY/MD	Ok,M
3	VL1008ABL01	VL1008ABL01	VL043055.D	08 Oct 2025 09:39		SY/MD	Ok
4	VL1008ABS01	VL1008ABS01	VL043056.D	08 Oct 2025 10:23		SY/MD	Ok,M
5	QC100625 CAN 10595	QC100625 CAN 10595	VL043057.D	08 Oct 2025 11:10	lab contaminate	SY/MD	Not Ok
6	QC100725 CAN 10420	QC100725 CAN 10420	VL043058.D	08 Oct 2025 11:43		SY/MD	Ok
7	QC100725 CAN 10133	QC100725 CAN 10133	VL043059.D	08 Oct 2025 12:16		SY/MD	Ok
8	QC100725 CAN 10122	QC100725 CAN 10122	VL043060.D	08 Oct 2025 12:49		SY/MD	Ok
9	Q3306-01	IA1	VL043061.D	08 Oct 2025 13:23		SY/MD	Ok,M
10	Q3306-01DUP	IA1DUP	VL043062.D	08 Oct 2025 13:58		SY/MD	Ok,M
11	Q3306-02	OA1	VL043063.D	08 Oct 2025 14:32		SY/MD	Ok,M
12	Q3306-04	SV2	VL043064.D	08 Oct 2025 15:05	rerun lower dilution	SY/MD	Not Ok
13	Q3306-03	SV1	VL043065.D	08 Oct 2025 15:38	rerun lower dilution	SY/MD	Not Ok
14	Q3306-04	SV2	VL043066.D	08 Oct 2025 19:57		SY/MD	Ok,M
15	Q3306-03	SV1	VL043067.D	08 Oct 2025 20:30		SY/MD	Ok,M
16	VIBLK	VIBLK	VL043068.D	08 Oct 2025 21:03		SY/MD	Ok
17	QC100684 CAN 10595	QC100684 CAN 10595	VL043069.D	08 Oct 2025 21:36	lab contaminate	SY/MD	Not Ok
18	Q3320-13	OA1	VL043070.D	08 Oct 2025 22:10		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL100825

Review By	Semsettin Yesilyurt	Review On	10/9/2025 1:56:13 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:42:55 AM		
SubDirectory	VL100825	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2682				
Initial Calibration Stds	AP2678,AP2679,AP2680				
CCC	AP2678				
Internal Standard/PEM	AP2682				
ICV/I.BLK	AP2681				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3320-13DL	OA1DL	VL043071.D	08 Oct 2025 22:43	Not required	SY/MD	Not Ok
20	Q3320-09	IA5	VL043072.D	08 Oct 2025 23:16		SY/MD	Ok,M
21	Q3320-09DL	IA5DL	VL043073.D	08 Oct 2025 23:49	Not required	SY/MD	Not Ok
22	Q3320-05	IA3	VL043074.D	09 Oct 2025 00:22		SY/MD	Ok,M
23	Q3320-05DL	IA3DL	VL043075.D	09 Oct 2025 00:55	Not required	SY/MD	Not Ok
24	Q3320-07	IA4	VL043076.D	09 Oct 2025 01:28		SY/MD	Ok,M
25	Q3320-07DL	IA4DL	VL043077.D	09 Oct 2025 02:01	Not required	SY/MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL100925

Review By	Semsettin Yesilyurt	Review On	10/10/2025 2:03:15 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 11:17:18 PM		
SubDirectory	VL100925	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2683
Initial Calibration Stds	AP2678,AP2679,AP2680
CCC	AP2678
Internal Standard/PEM	AP2683
ICV/I.BLK	AP2681
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043078.D	09 Oct 2025 07:56		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043079.D	09 Oct 2025 09:29		SY/MD	Ok,M
3	VL1009ABL01	VL1009ABL01	VL043080.D	09 Oct 2025 10:10		SY/MD	Ok
4	VL1009ABS01	VL1009ABS01	VL043081.D	09 Oct 2025 10:54		SY/MD	Ok,M
5	QC100625 CAN 10595	QC100625 CAN 10595	VL043082.D	09 Oct 2025 11:35		SY/MD	Ok
6	Q3320-01	IA1	VL043083.D	09 Oct 2025 12:09		SY/MD	Ok,M
7	Q3320-01DUP	IA1DUP	VL043084.D	09 Oct 2025 12:44		SY/MD	Ok,M
8	Q3320-03	IA2	VL043085.D	09 Oct 2025 13:18		SY/MD	Ok,M
9	Q3320-11	IA6	VL043086.D	09 Oct 2025 13:52		SY/MD	Ok,M
10	Q3320-04	SV2	VL043087.D	09 Oct 2025 14:25	Need 40X	SY/MD	Dilution
11	Q3320-06	SV3	VL043088.D	09 Oct 2025 14:57	Run @ Lower Dilution	SY/MD	Not Ok
12	Q3320-02	SV1	VL043089.D	09 Oct 2025 15:31	Need 200X	SY/MD	Dilution
13	Q3320-08	SV4	VL043090.D	09 Oct 2025 16:07	Need further dilution	SY/MD	Not Ok
14	Q3320-10	SV5	VL043091.D	09 Oct 2025 16:42	Run @ Lower Dilution	SY/MD	Not Ok
15	Q3320-12DL	SV6DL	VL043092.D	09 Oct 2025 17:17		SY/MD	Ok,M
16	Q3320-04DL	SV2DL	VL043093.D	09 Oct 2025 18:20		SY/MD	Ok
17	Q3320-06	SV3	VL043094.D	09 Oct 2025 18:54		SY/MD	Ok,M
18	Q3320-08	SV4	VL043095.D	09 Oct 2025 19:29	Need 40X	SY/MD	Dilution

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL100925

Review By	Semsettin Yesilyurt	Review On	10/10/2025 2:03:15 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 11:17:18 PM		
SubDirectory	VL100925	HP Acquire Method	TO15AIR	HP Processing Method	VL100225AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2683				
Initial Calibration Stds	AP2678,AP2679,AP2680				
CCC	AP2678				
Internal Standard/PEM	AP2683				
ICV/I.BLK	AP2681				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3320-10	SV5	VL043096.D	09 Oct 2025 20:04		SY/MD	Ok,M
20	Q3320-12	SV6	VL043097.D	09 Oct 2025 20:39	Need 10X	SY/MD	Dilution
21	Q3320-02DL	SV1DL	VL043098.D	09 Oct 2025 21:14	Need further dilution	SY/MD	Not Ok
22	Q3320-02DL	SV1DL	VL043099.D	09 Oct 2025 21:49	Not match	SY/MD	Not Ok
23	VIBLK	VIBLK	VL043100.D	09 Oct 2025 22:23		SY/MD	Ok
24	Q3320-08DL	SV4DL	VL043101.D	09 Oct 2025 22:58		SY/MD	Ok,M
25	Q3320-02DL	SV1DL	VL043102.D	10 Oct 2025 07:46		SY/MD	Ok

M : Manual Integration



B2509079 - 1

Client Contact Information		Bottle Order ID : B2509079		Courier : F Galdun		2 of 13 COCs																												
Client ID : GFEL01		Project ID : All Projects		Sampler Name(s) : Frank Galdun		Analysis Matrix																												
Customer Name : GFE LLC		Project Manager : Frank galdun		AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																														
Address : 58 Nokomis Ave		Phone Number : 646-542-3465																																
		Fax Number : 973-334-1692																																
City : Lake Hiawatha		Site Details: ZOO RESERVOIR ST																																
State : NJ		Analysis Turnaround Time 7 DAYS																																
Zip Code : 07034		Standard : 10 business days OR 7 Days		Data Package Type :																														
Country :		Rush (Specify): 7 Days		EDD Type :																														
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas																		
SV1	10/25/2019	8:59 AM	10:30 AM	2	2	70	70	-30	-5.9	10767	10332	6 L	50	1	VL042828.D	1																		
Temperature (Fahrenheit) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table> Pressure (Inches of Hg) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																	Ambient	Maximum	Minimum	Start			Stop			Ambient	Maximum	Minimum	Start			Stop		
Ambient	Maximum	Minimum																																
Start																																		
Stop																																		
Ambient	Maximum	Minimum																																
Start																																		
Stop																																		
GC/MS Analyst Signature (TO-15) ** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.																																		
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low PID Readings: 2.0																																		
Quick Connector required : No Canisters Shipped by: SAFARI Date/Time: 10/25/2019 Canisters Received by: OP																																		
Samples Relinquished by: SAFARI Date/Time: 10/25/2019 Received by:																																		
Relinquished by: Date/Time: Received by:																																		
B2509079 - 4																																		



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

B2509079 - 10

Client Contact Information		Bottle Order ID : B2509079		Courier : F. Galdun		4 of 13 COCs											
Client ID : GFEL01		Project ID : All Projects		Sampler Name(s) : Frank Galdun		Analysis											
Customer Name : GFE LLC		Project Manager : Frank galdun		AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified		Matrix											
Address : 58 Nokomis Ave		Phone Number : 646-542-3465															
City : Lake Hiawatha		Fax Number : 973-334-1692															
State : NJ		Analysis Turnaround Time : 7 DAY		Data Package Type : Results Only		TO-15											
Zip Code : 07034		Standard : 10 business days		EDD Type : PDF		Indoor/Ambient Air											
Country : USA		Rush (Specify): 7 Days				Spill Gas											
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg) (Lab)	In coming Can Pressure ("Hg) (Lab)	Flow Controller Readout (ml/min)	Can Cert ID						
SNZ-10/12/25	10/12/25	8:54	10:54	30	30	70	70	-30	-5.1	10185	10445						
GC/MS Analyst Signature (TO-15) 																	
Pressure (Inches of Hg) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>												Ambient	Maximum	Minimum			
Ambient	Maximum	Minimum															
Special Instructions/QC Requirements & Comments : ** Submittal of this COC indicates approval of the analysis based on existing conditions.																	
Suspected Contamination: High Medium Low																	
Sampling site (State):																	
Quick Connector required :																	
Canisters Shipped by:																	
Samples Relinquished by:																	
Relinquished by:																	
Date/Time: 10/12/25 1340																	
Date/Time:																	
Date/Time:																	
B2509079 - 7																	



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

TECHNICAL GROUP 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922						Bottle Order ID : B2509079		Courier : F Galdun		5 of 13 COCs				
Client Contact Information				Project ID : All Projects				Sampler Name(s) : Frank Galdun						
Client ID : GFEL01								Analysis						
Customer GFE LLC				Project Manager : Frank galdun				Matrix						
Name :				Phone Number : 646-542-3465										
Address : 58 Nokomis Ave				Fax Number : 973-334-1692										
				Site Details: ZOO Reservoir - Kenton NJ										
City : Lake Hiawatha														
State : NJ				Analysis Turnaround Time 7 DAY										
Zip Code : 07034				Standard : 10 business days OR 7 Days				Data Package Type : REASON ONLY						
Country :				Rush (Specify): 7 Days				EDD Type : RIF						
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum Field ("Hg) (Start)	Can Vacuum Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	
IR3	06/29/12	11:12	30	S	S	70	70	-30	-5.1	10579	10285	6 L	50	VL042907.D
Temperature (Fahrenheit)														
		Ambient	Maximum		Minimum									
Start														
Stop														
Pressure (Inches of Hg)														
		Ambient	Maximum		Minimum									
Start														
Stop														
** Submittal of this COC Indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.														
GC/MS Analyst Signature (TO-15)														
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low Low Sampling site (State):														
Quick Connector required : No Canisters Shipped by: Safety Samples Relinquished by: SAGAL Relinquished by:														
Date/Time: 06/29/12 Date/Time: 06/29/12 Date/Time: 06/29/12														
B2509079 - 2														

Client Contact Information		Bottle Order ID : 82509079		Courier : F. Gaudin		6 of 13 COCs																		
Client ID : GFE01		Project ID : All Projects		Sampler Name(s) : FRANK GAUDIN		Analysis																		
Customer Name : GFE LLC		Project Manager : Frank gaudin		AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified		Matrix																		
Address : 58 Nokomis Ave		Phone Number : 646-542-3465																						
		Fax Number : 973-334-1692																						
City : Lake Hiawatha		Site Details : 200 RESERVOIR ST																						
State : NJ		Analysis Turnaround Time																						
Zip Code : 07034		Standard : 20 Business Days		Data Package Type :																				
Country :		Rush (Specify) : 7 Days		EDD Type :																				
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum In Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	Indoor/Ambient Air	Soil Gas									
S53	10/25/16	7:16 AM	7:40 AM	2	2	70	70	-30	-39	10613	10443	50	VL042942.D		1									
Temperature (Fahrenheit) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum	Start			Stop		
Ambient	Maximum	Minimum																						
Start																								
Stop																								
Pressure (Inches of Hg) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum	Start			Stop		
Ambient	Maximum	Minimum																						
Start																								
Stop																								
GC/MS Analyst Signature (TO-15)																								
** Submittal of this COC indicates approval of the analysis based on existing conditions.																								
Please follow the instructions on the back of this COC.																								
Special Instructions/QC Requirements & Comments :																								
Suspected Contamination: High Medium Low																								
Sampling site (State):																								
Quick Connector required : No																								
Canisters Shipped by: SEA Date/Time: 10/25/16 12:40																								
Samples Relinquished by: FRANK Date/Time: 10/25/16																								
Relinquished by: FRANK Date/Time: 10/25/16																								
Canisters Received by: FRANK Date/Time: 10/25/16 12:40																								
Received by: FRANK Date/Time: 10/25/16																								
Received by: FRANK Date/Time: 10/25/16																								
PID Readings: 0.0																								
B2509079 - 6																								

Client Contact Information		Bottle Order ID : B2509079		Courier : F Galdun		7 of 13 COCs	
Client ID : GFEL01		Project ID : All Projects		Sampler Name(s) FRANK GALDUN		Analysis Matrix	
Customer Name : GFE LLC		Project Manager : Frank galdun		AIR ANALYSIS			
Address : 58 Nokomis Ave		Phone Number : 646-542-3465		CHAIN-OF-CUSTODY			
City : Lake Hiawatha		Fax Number : 973-334-1692		Individual Certified			
State : NJ		Site Details: 200 RESERVOIR ST. IRONTON, NJ		Data Package Type : RESULTS ONLY			
Zip Code : 07034		Analysis Turnaround Time 7 DAY		EDD Type : RTX			
Country :		Standard : 10 business days		Can ID		Can Cert ID	
		Rush (Specify): 7 Days		Flow Reg. ID		Flow Controller Readout (ml/min)	
				In coming Can Pressure ("Hg)(Lab)		Indoor/Ambient Air	
				Out going Can Pressure ("Hg)(Lab)		Soil Gas	
				Interior Temp. (F) (Start)		TO-15	
				Interior Temp. (F) (Stop)		1	
				Can Vacuum In Field ("Hg) (Start)		VL042703.D	
				Can Vacuum In Field ("Hg) (Stop)**		6 L	
				Time Start (24 hr Clock)		10226	
				Time Stop (24 hr Clock)		10226	
				Sample Date(s)		10/18/25	
				Sample Identification		IAH	
				Temperature (Fahrenheit)			
				Ambient			
				Maximum			
				Minimum			
				Pressure (Inches of Hg)			
				Ambient			
				Maximum			
				Minimum			
				Start			
				Stop			
				Suspected Contamination:			
				High			
				Medium			
				Low			
				Sampling site (State):			
				Special Instructions/QC Requirements & Comments :			
				Please follow the instructions on the back of this COC.			
				GC/MS Analyst Signature (TO-15)			
				Sub			
				** Submittal of this COC indicates approval of the analysis based on existing conditions.			
				PID Readings			
				Date/Time: 10/18/25		1340	
				Canisters Received by:			
				Received by:			
				Date/Time:			
				Relinquished by:			
				Date/Time:			
				Quick Connector required : No			
				Canisters Shipped by:			
				Samples Relinquished by:			
				Relinquished by:			
				B2509079 - 3			

Client Contact Information		Bottle Order ID : B2509079	Courier : F. Galdun	8 of 13 COCs																							
Client ID : GFE01	Project ID : All Projects	Sampler Name(s) : Frank Galdun																									
Customer Name : GFE LLC	Project Manager : Frank galdun	Analysis																									
Address : 58 Nokomis Ave	Phone Number : 646-542-3465	Matrix																									
	Fax Number : 973-334-1692																										
	Site Details: 200 Reservoir St Rensselaer, NY	AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																									
City : Lake Hiawatha	Analysis Turnaround Time : 7 DAY																										
State : NJ	Standard : 10 business days OR																										
Zip Code : 07034	Rush (Specify): 7 Days																										
Country :																											
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum In Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	Indoor/Ambient Air	Soil Gas												
SJH	10/18/10	11:20 AM	12:00 PM	3	3	70	70	-30	-5.5	10525	10588	50	VL042702.D		1												
Temperature (Fahrenheit) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum				Start			Stop		
Ambient	Maximum	Minimum																									
Start																											
Stop																											
Pressure (Inches of Hg) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum				Start			Stop		
Ambient	Maximum	Minimum																									
Start																											
Stop																											
GC/MS Analyst Signature (TO-15) <i>[Signature]</i>																											
** Submittal of this COC indicates approval of the analysis based on existing conditions.																											
Please follow the instructions on the back of this COC.																											
Special Instructions/QC Requirements & Comments :																											
Suspected Contamination: High Medium Low																											
PID Readings: 20																											
Sampling site (State):																											
Quick Connector required : N/A																											
Canisters Shipped by: SJM																											
Samples Relinquished by: SJM																											
Relinquished by:																											
Date/Time: 10/18/10																											
Canisters Received by: OK																											
Date/Time: 10/18/10																											
Received by:																											
Date/Time:																											
B2509079 - 8																											



Alliance Project No. :

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

Client Contact Information

Client ID : GFEL01

Customer Name : GFE LLC

Address : 58 Nokomis Ave

City : Lake Hiawatha

State : NJ

Zip Code : 07034

Country :

Bottle Order ID : B2509079

Project ID : All Projects

Project Manager : Frank galdun

Phone Number : 646-542-3465

Fax Number : 973-334-1692

Site Details: 200 Reservation ST

IRENION, NJ

Analysis Turnaround Time 7 DAY

Standard : 10 business days OR

Rush (Specify): 7 Days

Courier : F Galdun

Sampler Name(s) Frank Galdun

AIR ANALYSIS
CHAIN-OF-CUSTODY

Batch Certified

Data Package Type

EDD Type :

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum In Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID
IAS	10/25/15	11:30	12:30	30	5.5	70	70	-30	-5.1	10550	10601	50	VL042907.D

Temperature (Fahrenheit)

Ambient	Maximum	Minimum
Start		
Stop		

Pressure (Inches of Hg)

Ambient	Maximum	Minimum
Start		
Stop		

Special Instructions/QC Requirements & Comments :

Suspected Contamination:

High

Medium

Low

Sampling site (State):

PID Readings: 0.0

Please follow the instructions on the back of this COC.

** Submittal of this COC indicates approval of the analysis based on existing conditions.

GC/MS Analyst Signature (TO-15)

Quick Connector required : NO

Canisters Shipped by:

Samples Relinquished by:

Relinquished by:

Date/Time: 10/25/15

Date/Time: 10/25/15

Date/Time: 10/25/15

Date/Time: 10/25/15

Date/Time: 10/25/15

Date/Time: 10/25/15

B2509079 - 9



Alliance Project No. :

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

Client Contact Information

Client ID : GFEL01

Customer Name : GFE LLC

Address : 58 Nokomis Ave

City : Lake Hiawatha

State : NJ

Zip Code : 07034

Country :

Project ID : All Projects

Project Manager : Frank galdun

Phone Number : 646-542-3465

Fax Number : 973-334-1692

Site Details: 200 Reservoir St.

IRENTON, NJ

7 DAY

Analysis Turnaround Time

Standard : 10 Business Days OR

Rush (Specify): 7 Days

Data Package Type : Results only

EDD Type : PDF

Bottle Order ID : B2509079

Courier : F Galdun

Project ID : All Projects

Project Manager : Frank galdun

Phone Number : 646-542-3465

Fax Number : 973-334-1692

Site Details: 200 Reservoir St.

IRENTON, NJ

7 DAY

Analysis Turnaround Time

Standard : 10 Business Days OR

Rush (Specify): 7 Days

Data Package Type : Results only

EDD Type : PDF

10 of 13 COCs

Analysis

Matrix

AIR ANALYSIS
CHAIN-OF-CUSTODY

Batch Certified

Indoor/Ambient Air

Soil Gas

TO-15

Can Cert ID
VL042907.D

Flow
Controller
Readout
(ml/min)

Can ID

Flow
Reg. ID

In
coming
Can
Pressure
("Hg)(Lab)

Out
going
Can
Pressure
("Hg)(Lab)

Interior
Temp.
(F)
(Start)

Interior
Temp.
(F)
(Stop)

Can
Vacuum
In
Field
("Hg)
(Start)

Can
Vacuum
In
Field
("Hg)
(Stop)**

Time
Start
(24 hr
Clock)

Time
Stop
(24 hr
Clock)

Sample
Date(s)

Sample
Identification

Temperature (Fahrenheit)

Ambient

Maximum

Minimum

Start

Stop

Pressure (Inches of Hg)

Ambient

Maximum

Minimum

Start

Stop

Special Instructions/QC Requirements & Comments :

Suspected Contamination:

High

Medium

Low

Sampling site (State):

PID Readings: 0.0

Please follow the instructions on the back of this COC.

** Submittal of this COC indicates approval of the analysis based on existing conditions.

GC/MS Analyst Signature (TO-15)

Signature

Quick Connector required :

Canisters Shipped by:

Samples Relinquished by:

Relinquished by:

Date/Time: 10/15/15

Date/Time: 10/15/15

Date/Time: 10/15/15

Canisters Received by:

Received by:

Received by:

Date/Time: 10/15/15

Date/Time:

Date/Time:

B2509079 - 11

Client Contact Information						Bottle Order ID : B2509079		Courier F Gaudin	11 of 13 COCs								
Client ID : GFEL01		Project ID :		All Projects				Sampler Name(s) Frank Gaudin		Analysis	Matrix						
Customer Name : GFE LLC		Project Manager : Frank galdun						AIR ANALYSIS									
Address : 58 Nokomis Ave		Phone Number : 646-542-3465						CHAIN-OF-CUSTODY									
		Fax Number : 973-334-1692						Batch Certified									
City : Lake Hiawatha		Site Details: 200 Pleasant St TRENTON NJ															
State : NJ		Analysis Turnaround Time 7 DAY															
Zip Code : 07034		Standard : 10 business days Days OR						Data Package Type : Results Only									
Country :		Rush (Specify): 7 Days						EDD Type : PDE									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)**	Can Vacuum in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas	
ITL6	10/25/18	11:48	11:48	30	29	70	70	-30	-5-1	10617	10607	6 L	50	VLO42907.D	/		
Temperature (Fahrenheit)																	
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)																	
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low (Low)																	
Sampling site (State):																	
PID Readings:																	
Please follow the instructions on the back of this COC.																	
GC/MS Analyst Signature (TO-15) 																	
** Submittal of this COC indicates approval of the analysis based on existing conditions.																	
Quick Connector required : No																	
Canisters Shipped by: Sam		Date/Time: 10/27/18		Canisters Received by: CR		Date/Time: 10/28/18		B2509079 - 12									
Samples Relinquished by: FGA		Date/Time: 10/28/18		Received by:		Date/Time:											
Relinquished by:		Date/Time:		Received by:		Date/Time:											

Client Contact Information		Bottle Order ID : B2509079		Courier : F. Galdun		12 of 12 COCs																		
Client ID : GFEL01		Project ID : All Projects		Sampler Name(s) : Frank Galdun		Analysis Matrix																		
Customer Name : GFE LLC		Project Manager : Frank galdun		AIR ANALYSIS																				
Address : 58 Nokomis Ave		Phone Number : 646-542-3465		CHAIN-OF-CUSTODY																				
City : Lake Hiawatha		Fax Number : 973-334-1692		Batch Certified																				
State : NJ		Site Details : 200 Reservoir St IRENTON NJ																						
Zip Code : 07034		Analysis Turnaround Time : 7 DAY																						
Country : USA		Standard : 19.1 hours		Data Package Type : Results only																				
		Rush (Specify): 7 Days		EDD Type : RDF																				
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	Indoor/Ambient Air	Soil Gas									
SN6	10/16/98 11:58	11:58	01:30	6.5	6.5	70	70	-30	-5.1	10528	10333	50	VL042907.D		1									
Temperature (Fahrenheit) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum	Start			Stop		
Ambient	Maximum	Minimum																						
Start																								
Stop																								
Pressure (Inches of Hg) <table border="1"> <tr> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																Ambient	Maximum	Minimum	Start			Stop		
Ambient	Maximum	Minimum																						
Start																								
Stop																								
GC/MS Analyst Signature (TO-15) Suf																								
** Submittal of this COC indicates approval of the analysis based on existing conditions.																								
Please follow the instructions on the back of this COC.																								
Special Instructions/QC Requirements & Comments :																								
Suspected Contamination: High Medium Low																								
PID Readings: 0.7																								
Sampling site (State):																								
Quick Connector required : N/A																								
Canisters Shipped by: SEM																								
Samples Relinquished by: SEM																								
Relinquished by:																								
Date/Time: 10/16/98																								
Date/Time: 10/16/98																								
Date/Time: 10/16/98																								
B2509079 - 5																								

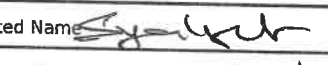
Client Contact Information						Bottle Order ID : B2509079				Courier : FGALDUN				COCs 13 of 13																	
Client ID : GFEL01						Project ID :				All Projects				Sampler Name(s) : Frank Galdun																	
Customer Name : GFE LLC						Project Manager : Frank galdun								Analysis																	
Address : 58 Nokomis Ave						Phone Number : 646-542-3465								Matrix																	
						Fax Number : 973-334-1692																									
City : Lake Hiawatha						Site Details: 200 Pleasant St RENTON, NJ																									
State : NJ						Analysis Turnaround Time 7 DAY																									
Zip Code : 07034						Standard : 1 hour days OR																									
Country :						Rush (Specify): 7 Days																									
Sample Identification		Sample Date(s)		Time Start (24 hr Clock)		Time Stop (24 hr Clock)		Can Vacuum in Field ("Hg") (Start)		Can Vacuum in Field ("Hg") (Stop)**		Interior Temp. (F) (Start)		Interior Temp. (F) (Stop)		Out going Can Pressure ("Hg)(Lab)		In coming Can Pressure ("Hg)(Lab)		Flow Reg. ID		Can ID		Flow Controller Readout (ml/min)		Can Cert ID		Indoor/Ambient Air		Soil Gas	
DAL 10/25/10		10/25/10		12:00		12:00		5.9		5.9		-		-30		-4.3		10707		10609		6 L		50		VL042907.D		1		1	
Temperature (Fahrenheit)																															
Ambient		Maximum		Minimum																											
Start		70																													
Stop		67																													
Pressure (Inches of Hg)																															
Ambient		Maximum		Minimum																											
Start																															
Stop																															
Special Instructions/QC Requirements & Comments :																															
Suspected Contamination: High Medium Low																															
Sampling site (State):																															
Please follow the instructions on the back of this COC.																															
PID Readings: 0,0																															
GC/MS Analyst Signature (TO-15) Galdun																															
** Submittal of this COC indicates approval of the analysis based on existing conditions.																															
Quick Connector required : NO																															
Canisters Shipped by:		Date/Time: 10/25/10		Canisters Received by:		Date/Time: 10/25/10																									
Samples Relinquished by:		Date/Time: 10/25/10		Received by:		Date/Time:																									
Relinquished by:		Date/Time:		Received by:		Date/Time:																									
B2509079 - 13																															

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample			
Laboratory: <u>Chemtech</u> NORSE Field Sample Seal No.: <u>Q3320</u> Case No.: <u>200 Reservoir St, Trenton</u>		Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u> Title: <u>Sample Custodian</u> Date Broken: <u>10/8/2025</u> Military Time Seal Broken: <u>13:40:00</u> Analytical Parameter/Fraction: <u>OCMS Group2</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3320-01	IA1	Q3320-11	IA6
Q3320-02	SV1	Q3320-12	SV6
Q3320-03	IA2	Q3320-13	OA1
Q3320-04	SV2		
Q3320-05	IA3		
Q3320-06	SV3		
Q3320-07	IA4		
Q3320-08	SV4		
Q3320-09	IA5		
Q3320-10	SV5		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
10/9	0850	Signature 	Signature	
		Printed Name <u>George N.</u>	Printed Name <u>George N.</u>	
		Signature	Signature 	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

AIR SAMPLE PRESSURE & DILUTION LOGBOOKAnalyst Signature: [Signature]Supervisor Signature: [Signature]

METHOD: TO-15

Pressure Gauge ID: _____

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
09/16/25	Q3112-01	10198	12.0	-5.5				sy
↓	Q3112-02	10606	11.0	-7.5				↓
↓	Q3112-03	10279	11.8	-5.9				↓
09/17/25	Q3130-01	10154	10.8	-8.0				sy
↓	Q3130-02	10197	12.4	-4.7				↓
↓	Q3131-01	10275	11.4	-6.7				↓
↓	Q3131-02	10282	11.4	-6.7				↓
↓	Q3132-01	10599	13.6	-2.2				↓
↓	Q3132-02	10294	11.4	-6.7				↓
9/19	Q3154-01	10267	12.0	-5.5				sy
↓	Q3154-02	10595	13.6	-2.2				↓
10/03/25	Q3306-01	10334	13.4	-2.7				sy
10/07/25	Q3306-02	10329	12.6	-4.3				sy
↓	Q3306-03	10598	12.6	-4.3				sy
↓	Q3306-04	10439	12.4	-4.7				sy
10/8/25	Q3320-01	10053	12.6	-4.3				sy
↓	Q3320-02	10332	11.8	-5.9				↓
↓	Q3320-03	10602	12.2	-5.1				↓
↓	Q3320-04	10445	12.2	-5.1				↓
↓	Q3320-05	10285	12.2	-5.1				↓
↓	Q3320-06	10443	12.8	-3.9				↓

Process Report

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

Order ID : Q3320

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
10/10/2025	B2509079	Q3320-02	-5.9	10332	6 L	10767		C2508001	VL042828.D Seq :VL080725 TUNE : VL042823.D ICAL : VL042752.D CCAL : VL042824.D MB : VL042825.D
10/10/2025	B2509079	Q3320-12	-5.1	10333	6 L	10528		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-13	-4.3	10609	6 L	10707		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-11	-5.1	10607	6 L	10617		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-10	-5.1	10604	6 L	10648		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-03	-5.1	10602	6 L	10109		C2509002	VL042942.D Seq :VL091825 TUNE : VL042938.D ICAL : VL042934.D CCAL : VL042939.D MB : VL042940.D

Process Report

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

Order ID : Q3320

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
10/10/2025	B2509079	Q3320-09	-5.1	10601	6 L	10550		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-08	-5.5	10588	6 L	10525		C2506003	VL042702.D Seq :VL070325 TUNE : VL042698.D ICAL : VL042694.D CCAL : VL042699.D MB : VL042700.D
10/10/2025	B2509079	Q3320-04	-5.1	10445	6 L	10185		C2508001	VL042828.D Seq :VL080725 TUNE : VL042823.D ICAL : VL042752.D CCAL : VL042824.D MB : VL042825.D
10/10/2025	B2509079	Q3320-06	-3.9	10443	6 L	10613		C2509002	VL042942.D Seq :VL091825 TUNE : VL042938.D ICAL : VL042934.D CCAL : VL042939.D MB : VL042940.D
10/10/2025	B2509079	Q3320-07	-4.3	10311	6 L	10226		C2507001	VL042703.D Seq :VL070325 TUNE : VL042698.D ICAL : VL042694.D CCAL : VL042699.D MB : VL042700.D
10/10/2025	B2509079	Q3320-05	-5.1	10285	6 L	10579		C2509001	VL042907.D Seq :vl090825 TUNE : VL042899.D ICAL : VL042847.D CCAL : VL042900.D MB : VL042901.D
10/10/2025	B2509079	Q3320-01	-4.3	10053	6 L	10616		C2509002	VL042942.D Seq :VL091825 TUNE : VL042938.D ICAL : VL042934.D CCAL : VL042939.D MB : VL042940.D

10053

43

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: IA1
Client Name: GFE
Project Name: RESERVOIR
Date: 10/8 Time: 10-15
Analysis: TO-15
Comments: TO-15
CHEMTECH'S SAMPLE ID: _____
Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-01
Cust #: IA1

B2509079

10322

59

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

CHEMTECH

2.0

Client Sample ID #: SV1
Client Name: GFE
Project Name: RESERVOIR
Date: 10/8 Time: 10-15
Analysis: TO-15
Comments: TO-15
CHEMTECH'S SAMPLE ID: _____
Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-02
Cust #: SV1

B2509079

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

Client Sample ID #: IA2
Client Name: GFE
Project Name: RESERVOIR
Date: 10/8 Time: _____
Analysis: TO-15
Comments: TO-15

CHEMTECH'S SAMPLE ID: _____
Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-03
Cust #: IA2

8922

B2509079

15-

2090

57401

15

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: SV2

Client Name: GFE

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: _____

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-04
Cust #: SV2

B2509079

58201

15

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: IA3

Client Name: GFE

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: _____

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-05
Cust #: IA3

B2509079

D.O.

57401

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: SV3

Client Name: GFE

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: _____

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____ Date: _____

Storage Location: D31
Sample: Q3320-06
Cust #: SV3

B2509079

1031 -4.3

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: IA4
 Client Name: GFE
 Project Name: RESERVOIR
 Date: 10/8 Time: TO-15
 Analysis: TO-15
 Comments: _____

CHEMTECH'S SAMPLE ID: _____
 Date Received: _____ Expiration Date: _____

Storage Location: D31
 Sample: Q3320-07
 Cust #: IA4

B2509079

88501 -5.5

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: SV4
 Client Name: GFE
 Project Name: RESERVOIR
 Date: 10/8 Time: TO-15
 Analysis: TO-15
 Comments: _____

CHEMTECH'S SAMPLE ID: _____
 Date Received: _____ Expiration Date: _____

Storage Location: D31
 Sample: Q3320-08
 Cust #: SV4

B2509079

15

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: IA5
 Client Name: GFE
 Project Name: RESERVOIR
 Date: 10/8 Time: TO-15
 Analysis: TO-15
 Comments: _____

CHEMTECH'S SAMPLE ID: _____
 Date Received: _____ Expiration Date: _____

Storage Location: D31
 Sample: Q3320-09
 Cust #: IA5

B2509079

51

40901

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: SV5

Client Name: RESERVOIR

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: 10-15

Comments: 10-15

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____

Storage Location: D31
Sample: Q3320-10
Cust #: SV5

132509079

51

40901

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8922

CHEMTECH

Client Sample ID #: IA6

Client Name: RESERVOIR

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: 10-15

Comments: 10-15

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____

Storage Location: D31
Sample: Q3320-11
Cust #: IA6

132509079

15

40901

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

CHEMTECH

Client Sample ID #: SV6

Client Name: RESERVOIR

Project Name: RESERVOIR

Date: 10/8 Time: 10:15

Analysis: 10-15

Comments: 10-15

CHEMTECH'S SAMPLE ID: _____

Date Received: _____ Expiration Date: _____

Storage Location: D31
Sample: Q3320-12
Cust #: SV6

132509079

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789

1-8922

Client Sample ID #:

DA1

Client Name:

GFE

Project Name:

RESERVOIR

Date:

10/8

Time:

Analysis:

TD-15

Comments:

CHEMTECH'S SAMPLE ID:

Date Received:

Expiration Date:

D

Storage Location: D31

Sample: Q3320-13

Cust #: OA1

143

60901

B2509079