

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042961.D
 Acq On : 22 Sep 2025 17:28
 Operator : SY/MD
 Sample : Q3111-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:52:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	156230	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	475755	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	424779	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	311114	9.812	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	8742	7.909	ppbv	100
15) Acetone	1.839	43	133763	6.574	ppbv	95
19) Isopropyl Alcohol	1.890	45	108806	8.895	ppbv	88
25) Ethyl Acetate	2.839	43	9064m	0.176	ppbv	
26) Hexane	2.826	57	5865	0.250	ppbv #	78
34) 2-Butanone	2.570	43	3852	0.116	ppbv	100
52) Tetrachloroethene	8.234	164	2743m	0.159	ppbv	
53) Toluene	6.949	91	6544m	0.124	ppbv	

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

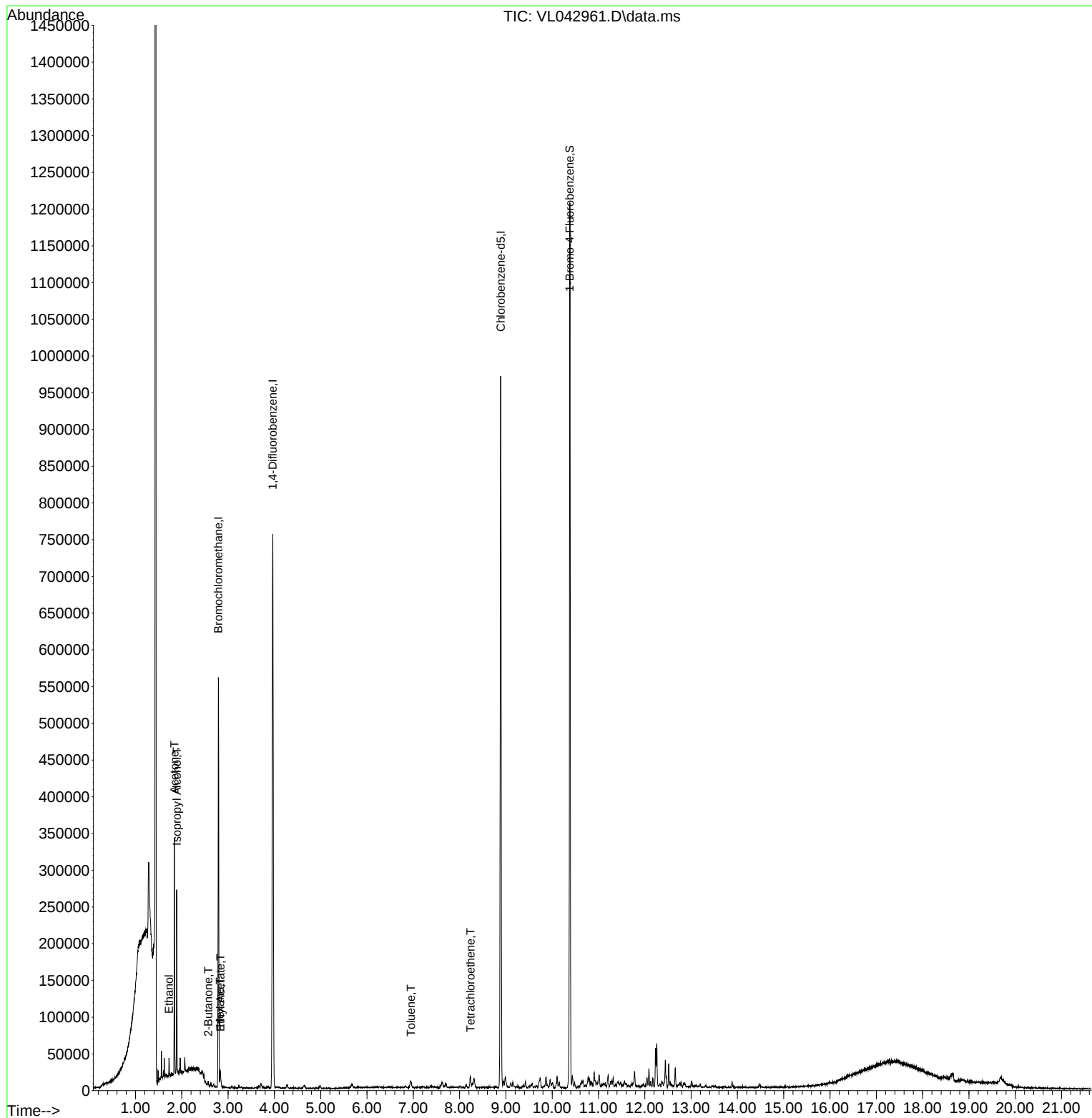
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042961.D
Acq On : 22 Sep 2025 17:28
Operator : SY/MD
Sample : Q3111-01DL 40X
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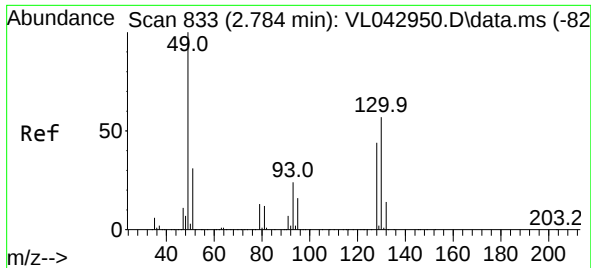
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Quant Time: Sep 23 02:52:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration





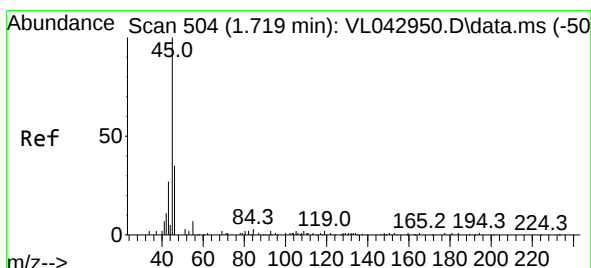
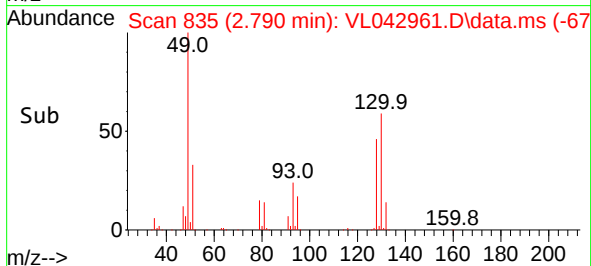
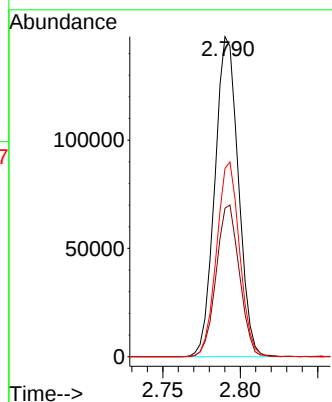
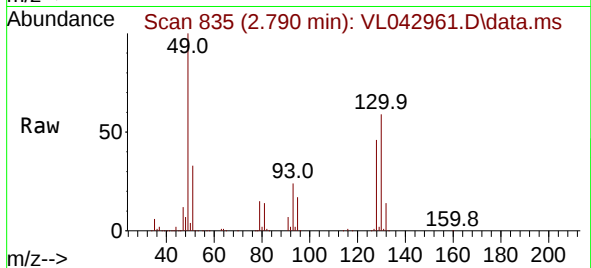
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 156230
Ion Ratio Lower Upper
49 100
128 46.9 22.9 68.8
130 59.5 29.1 87.3

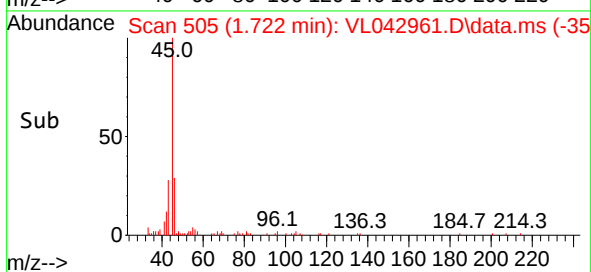
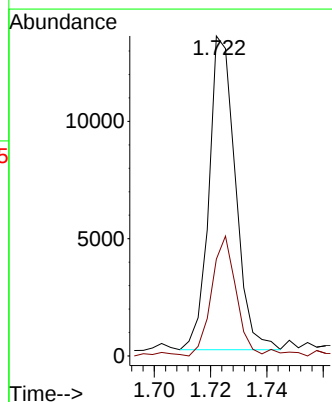
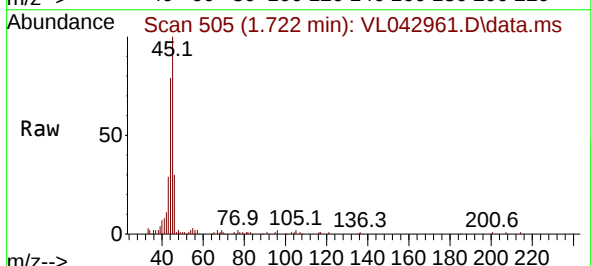
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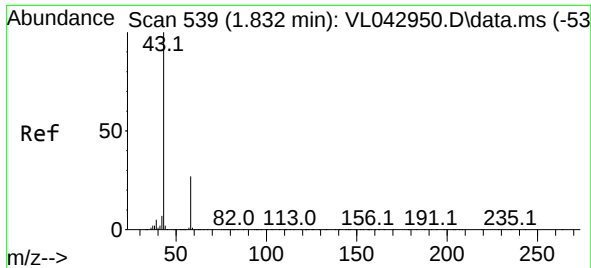
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#13
Ethanol
Concen: 7.909 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Tgt Ion: 45 Resp: 8742
Ion Ratio Lower Upper
45 100
46 40.7 16.2 64.6





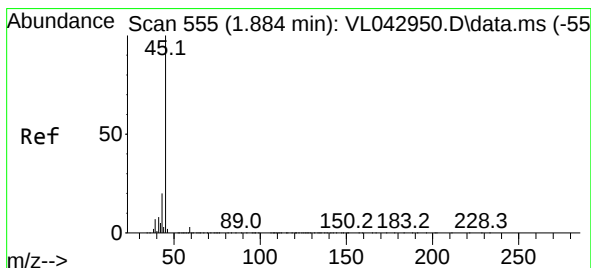
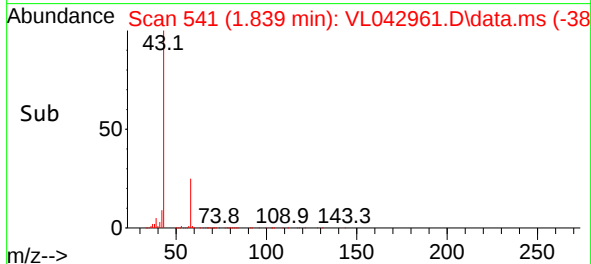
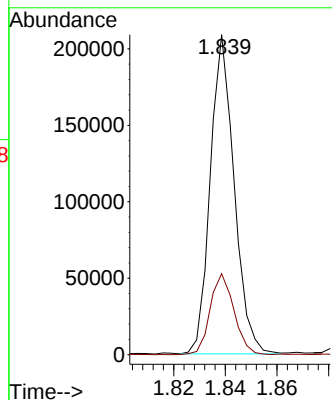
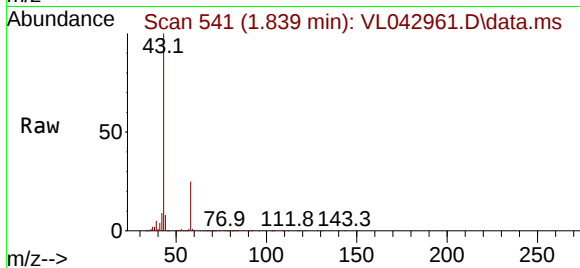
#15
Acetone
Concen: 6.574 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 13376
Ion Ratio Lower Upper
43 100
58 25.3 22.3 33.5

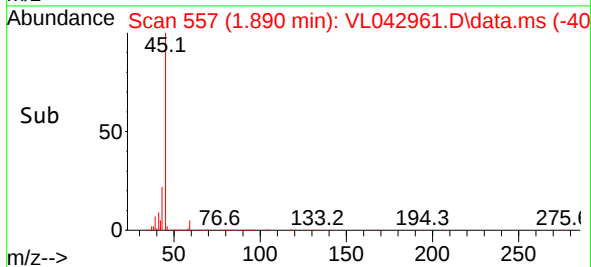
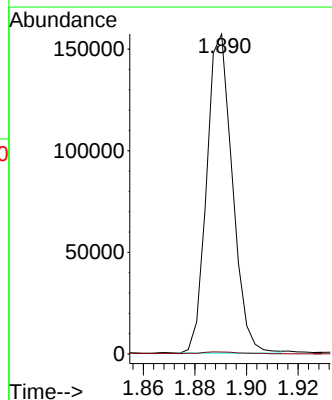
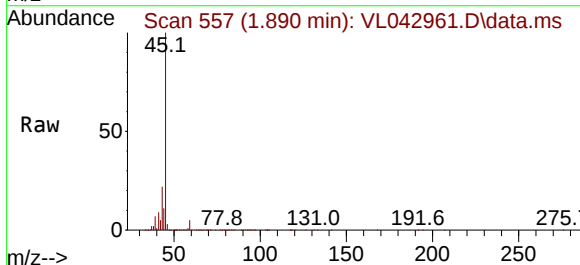
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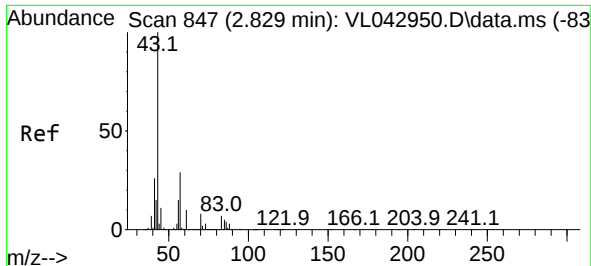
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#19
Isopropyl Alcohol
Concen: 8.895 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Tgt Ion: 45 Resp: 108806
Ion Ratio Lower Upper
45 100
58 31.6 31.0 46.6





#25

Ethyl Acetate

Concen: 0.176 ppbv m

RT: 2.839 min Scan# 847

Delta R.T. 0.010 min

Lab File: VL042961.D

Acq: 22 Sep 2025 17:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

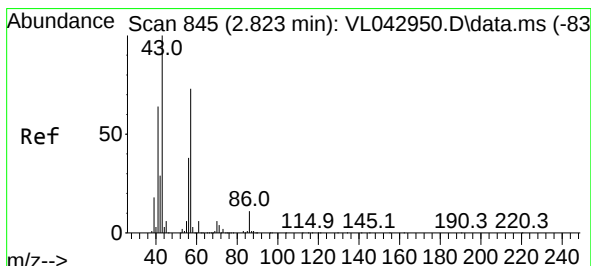
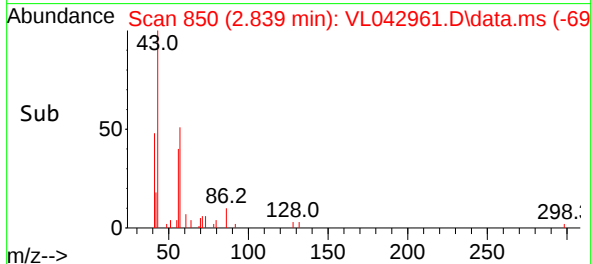
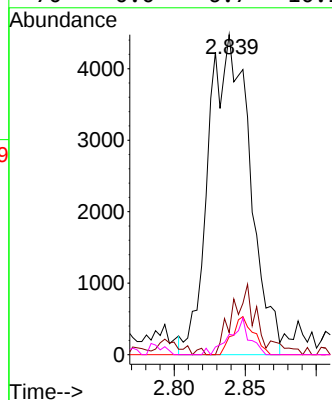
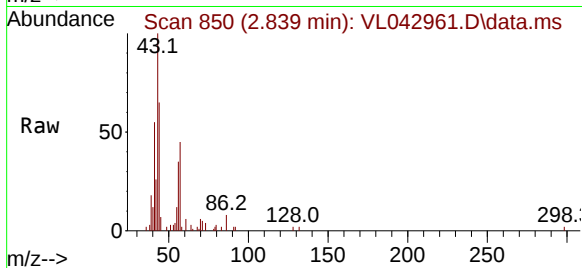
Tgt Ion: 43	Resp: 9064
Ion Ratio	Lower Upper
43 100	
45 0.0	7.7 11.5
61 0.0	7.1 10.7
70 0.0	6.7 10.1

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#26

Hexane

Concen: 0.250 ppbv

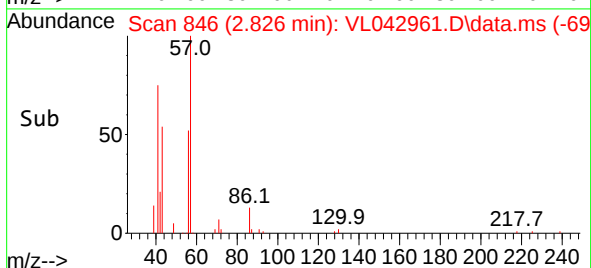
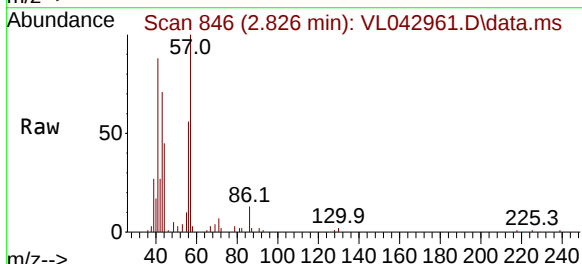
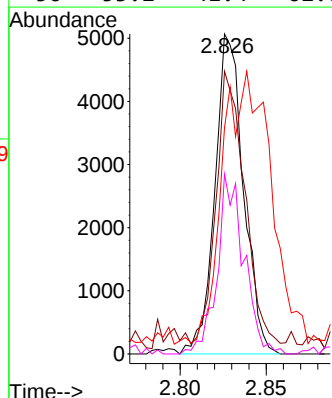
RT: 2.826 min Scan# 846

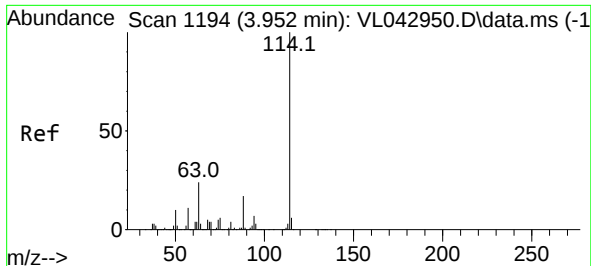
Delta R.T. 0.003 min

Lab File: VL042961.D

Acq: 22 Sep 2025 17:28

Tgt Ion: 57	Resp: 5865
Ion Ratio	Lower Upper
57 100	
41 95.1	71.7 107.5
43 171.6	180.8 271.2#
56 53.2	41.4 62.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1194

Delta R.T. 0.013 min

Lab File: VL042961.D

Acq: 22 Sep 2025 17:28

Instrument :

MSVOA_L

ClientSampleId :

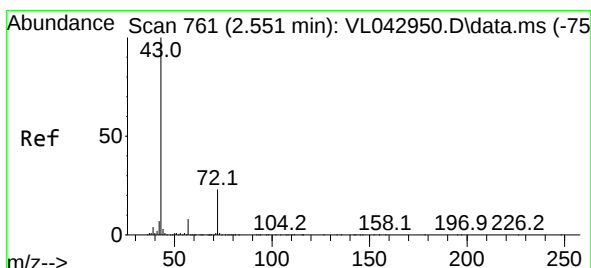
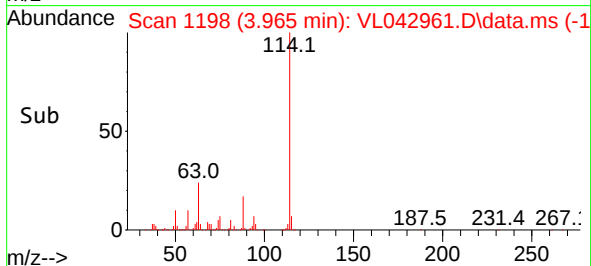
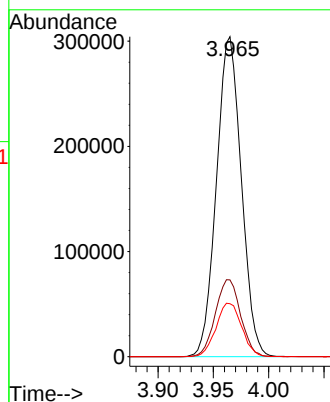
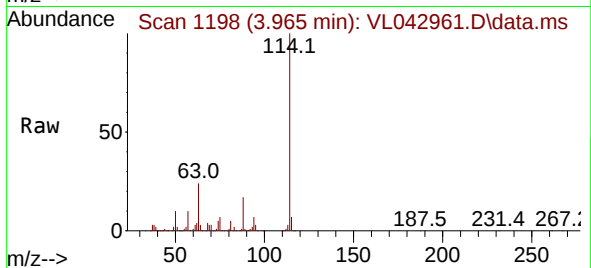
SV1DL

Tgt Ion:114 Resp: 47575
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.4 29.2
 88 17.3 14.2 21.2

Manual Integrations

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 Supervised By :Mahesh Dadoda 09/24/2025



#34

2-Butanone

Concen: 0.116 ppbv

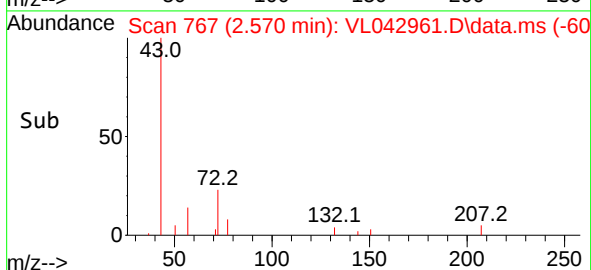
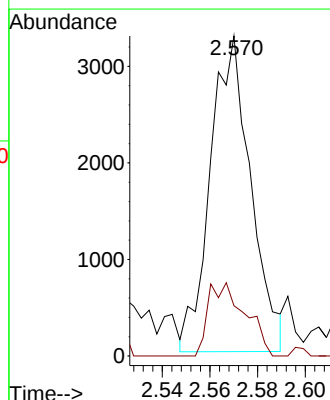
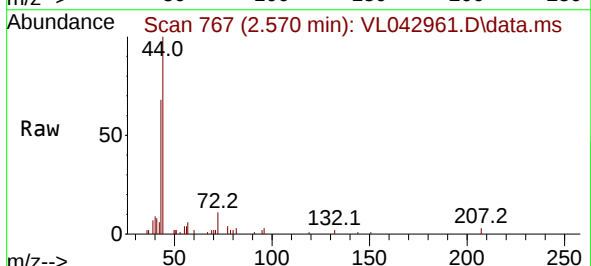
RT: 2.570 min Scan# 767

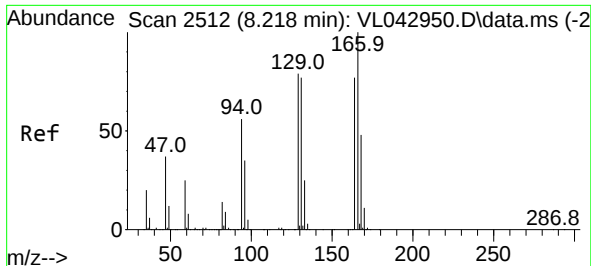
Delta R.T. 0.019 min

Lab File: VL042961.D

Acq: 22 Sep 2025 17:28

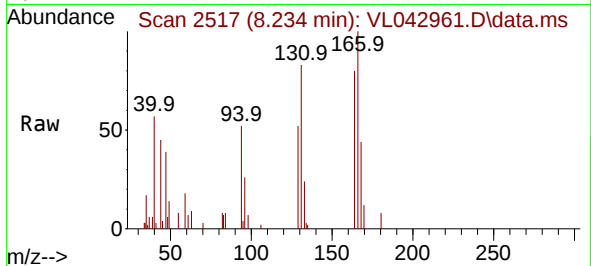
Tgt Ion: 43 Resp: 3852
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.7 26.5





#52
Tetrachloroethene
Concen: 0.159 ppbv m
RT: 8.234 min Scan# 2117
Delta R.T. 0.016 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

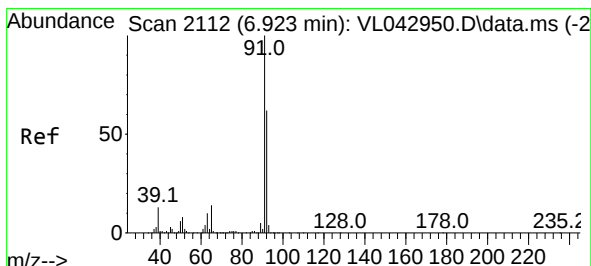
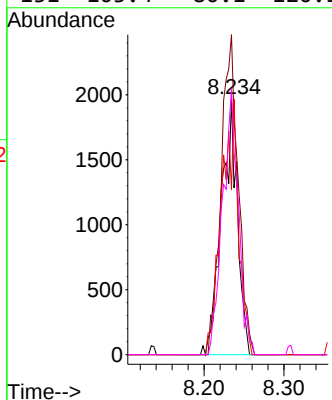
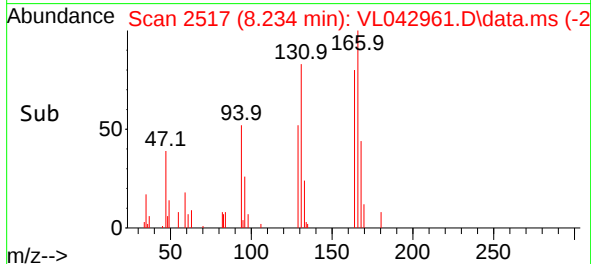
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:164 Resp: 274.3
Ion Ratio Lower Upper
164 100
166 124.9 103.5 155.3
129 64.5 82.2 123.4
131 103.4 80.1 120.1

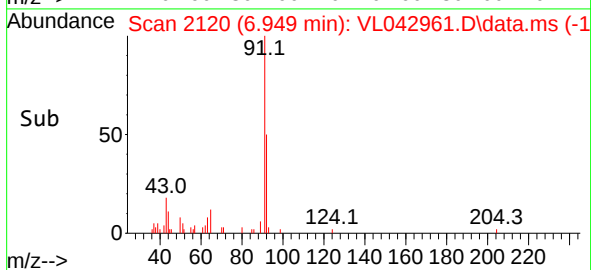
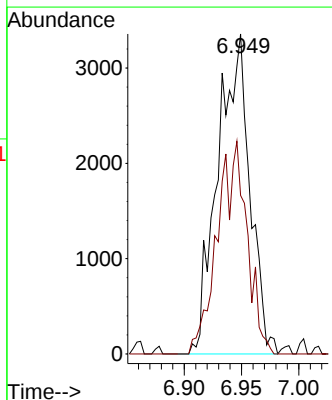
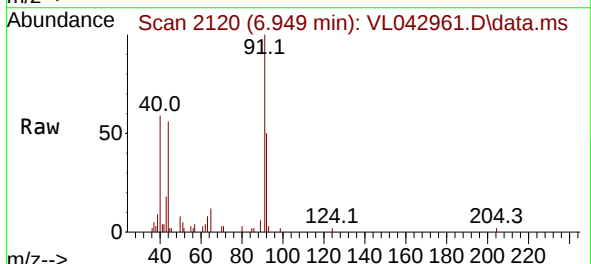
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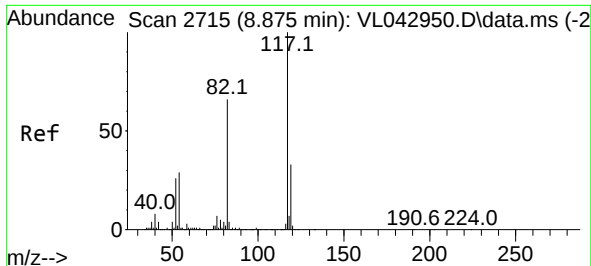
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#53
Toluene
Concen: 0.124 ppbv m
RT: 6.949 min Scan# 2120
Delta R.T. 0.026 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Tgt Ion: 91 Resp: 6544
Ion Ratio Lower Upper
91 100
92 61.5 48.2 72.2





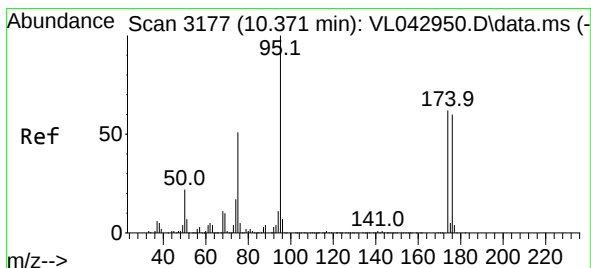
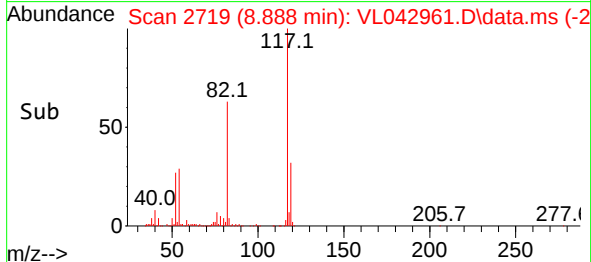
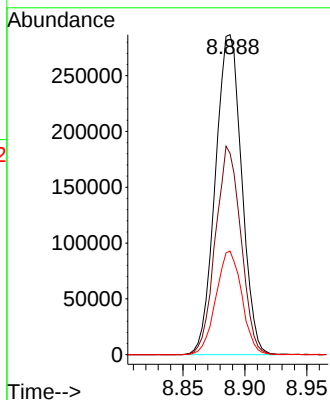
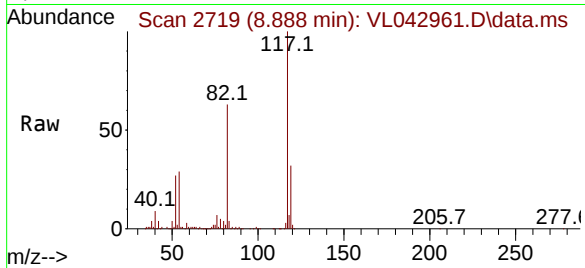
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Instrument :
MSVOA_L
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Tgt Ion: 117 Resp: 424779
Ion Ratio Lower Upper
117 100
82 63.0 52.8 79.2
119 31.9 26.5 39.7

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.812 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042961.D
Acq: 22 Sep 2025 17:28

Tgt Ion: 95 Resp: 311114
Ion Ratio Lower Upper
95 100
174 64.4 51.4 77.2
175 5.1 4.0 6.0

