

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042925.D
 Acq On : 10 Sep 2025 12:41
 Operator : SY/MD
 Sample : Q3052-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 01:12:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	147188	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	371484	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	320718	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	247690	10.298	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						
					Qvalue	
10) Heptane	4.972	43	10152m	0.368	ppbv	
13) Ethanol	1.719	45	26272	27.903	ppbv	92
15) Acetone	1.832	43	249221	12.800	ppbv	99
26) Hexane	2.823	57	21869	1.005	ppbv #	41
29) Chloroform	2.842	83	113659	3.660	ppbv	98
34) 2-Butanone	2.557	43	7244	0.289	ppbv	96
42) Bromodichloromethane	4.480	83	7183	0.259	ppbv #	87
51) 2-Hexanone	7.438	43	6862m	0.257	ppbv	
52) Tetrachloroethene	8.218	164	113887	8.850	ppbv	96
53) Toluene	6.923	91	9196m	0.217	ppbv	
59) m/p-Xylene	9.522	91	7276m	0.164	ppbv	

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

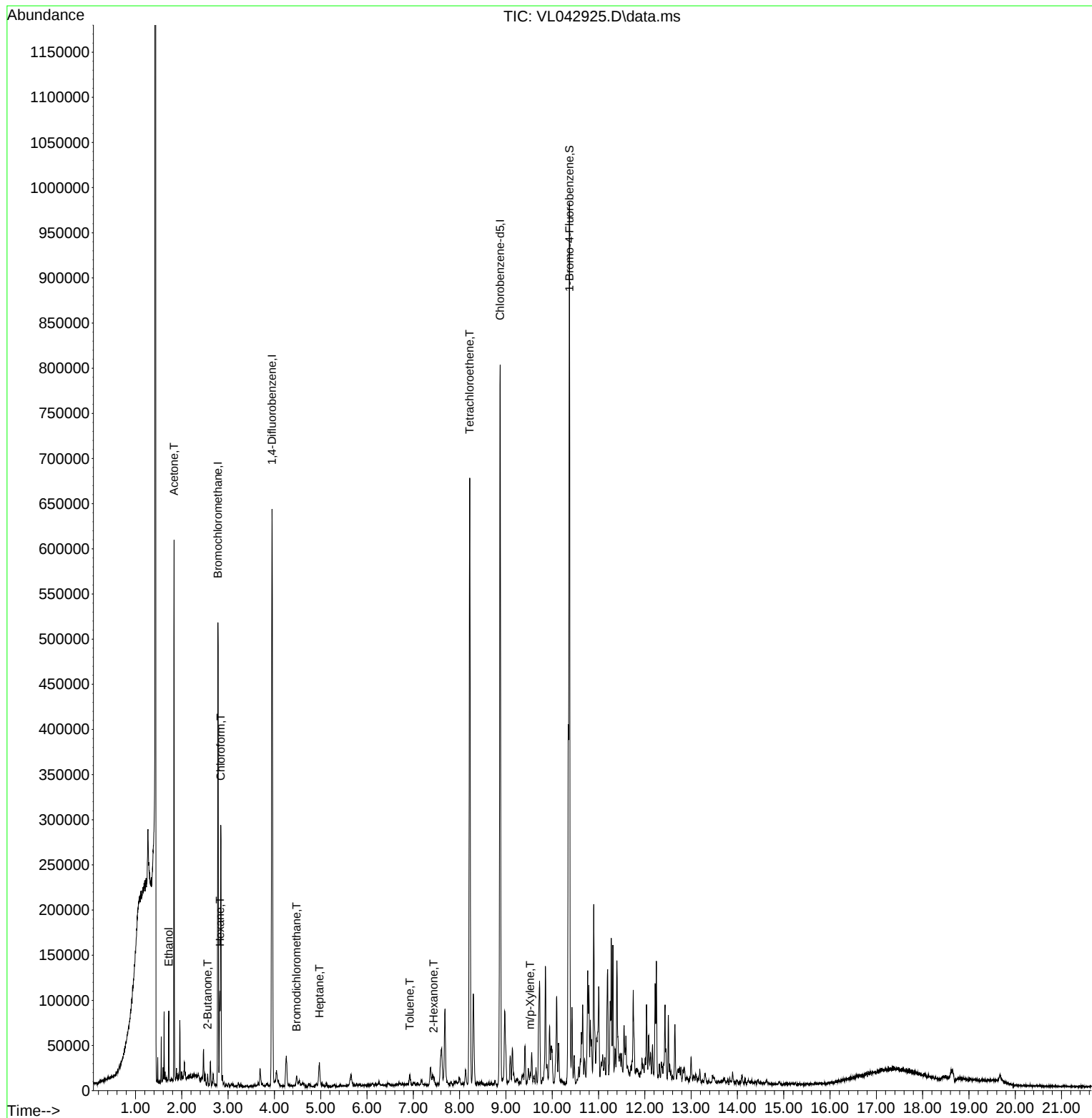
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
Data File : VL042925.D
Acq On : 10 Sep 2025 12:41
Operator : SY/MD
Sample : Q3052-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

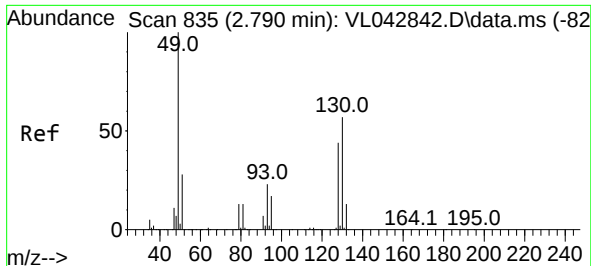
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

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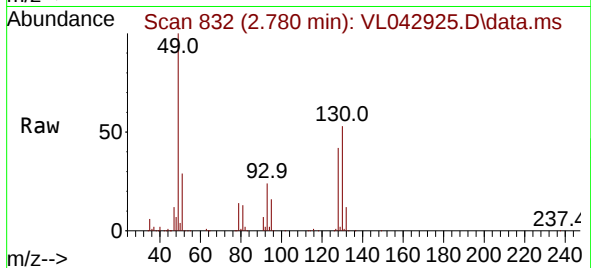
Quant Time: Sep 11 01:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

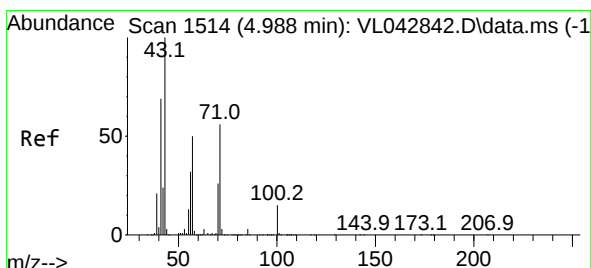
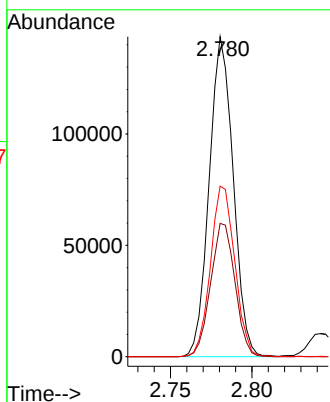
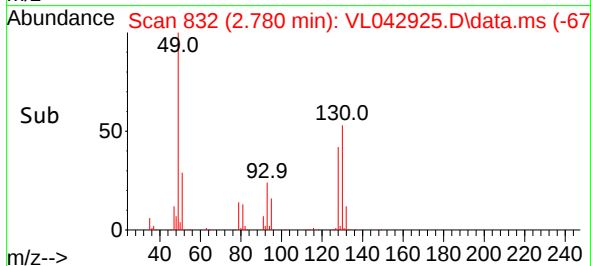
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



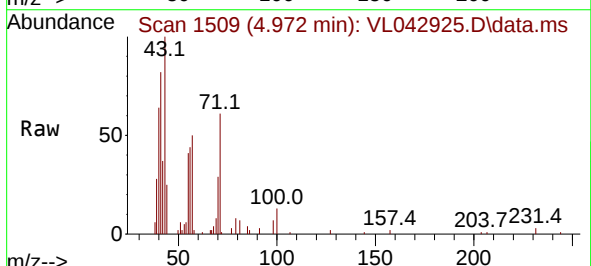
Tgt Ion: 49 Resp: 147188
Ion Ratio Lower Upper
49 100
128 42.2 23.7 71.1
130 53.9 30.6 91.6

Manual Integrations
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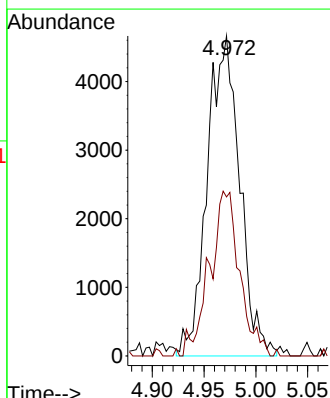
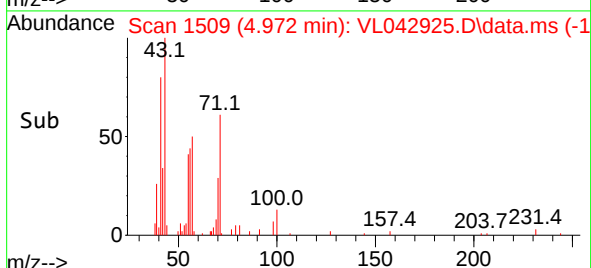
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

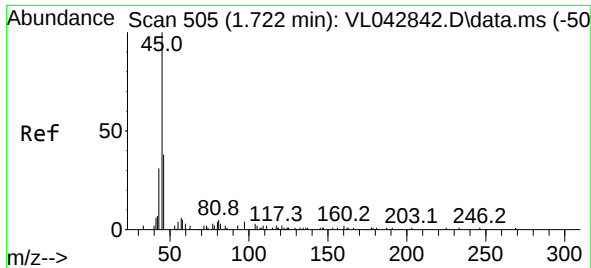


#10
Heptane
Concen: 0.368 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. 0.013 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41



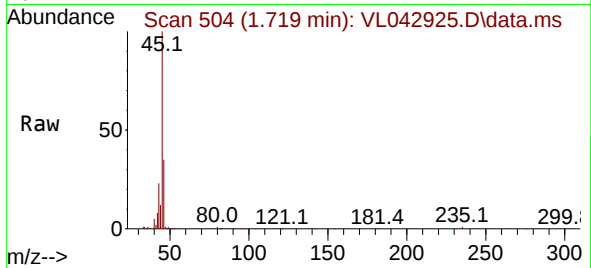
Tgt Ion: 43 Resp: 10152
Ion Ratio Lower Upper
43 100
57 48.1 41.4 62.0





#13
Ethanol
Concen: 27.903 ppbv
RT: 1.719 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

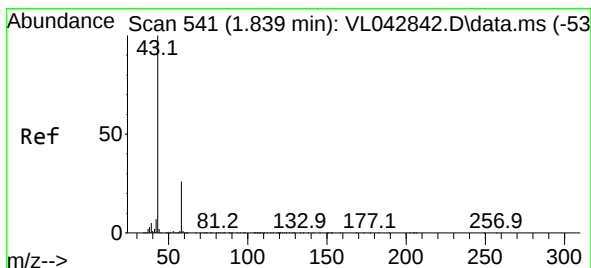
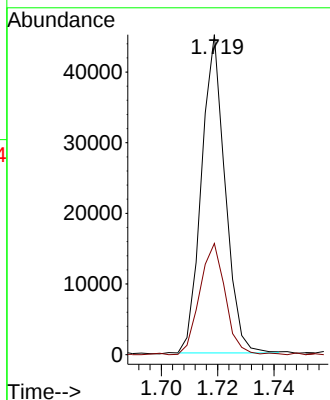
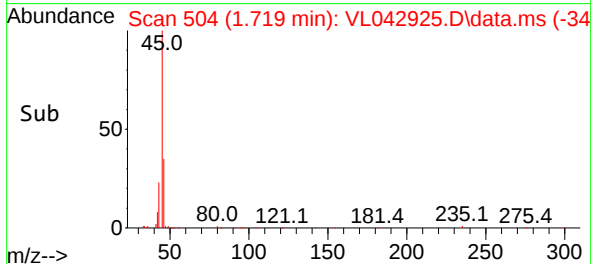
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



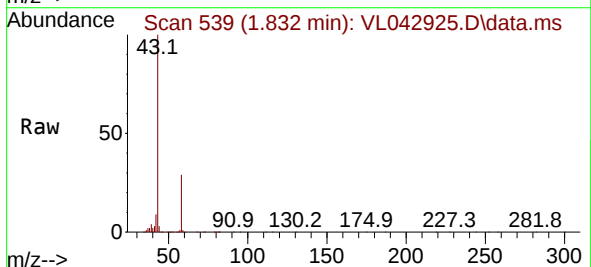
Tgt Ion: 45 Resp: 26272
Ion Ratio Lower Upper
45 100
46 38.7 17.5 69.9

Manual Integrations
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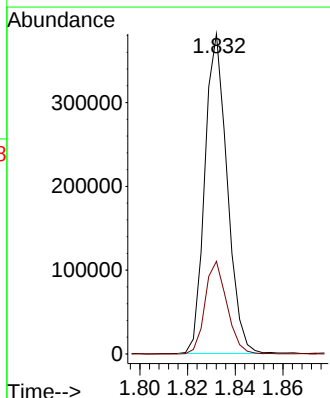
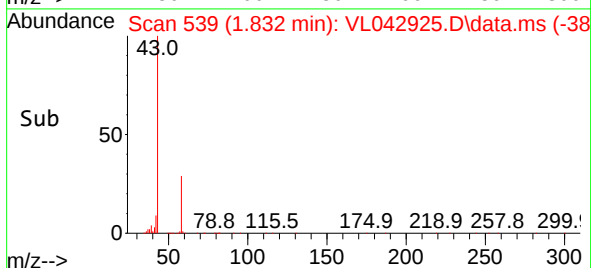
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

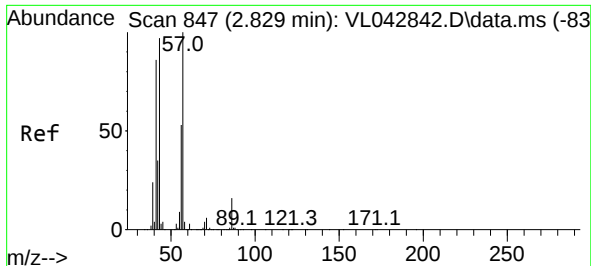


#15
Acetone
Concen: 12.800 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41



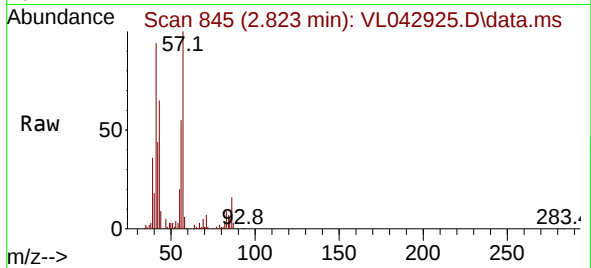
Tgt Ion: 43 Resp: 249221
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6





#26
Hexane
Concen: 1.005 ppbv
RT: 2.823 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

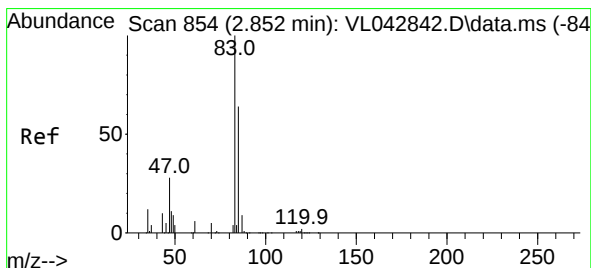
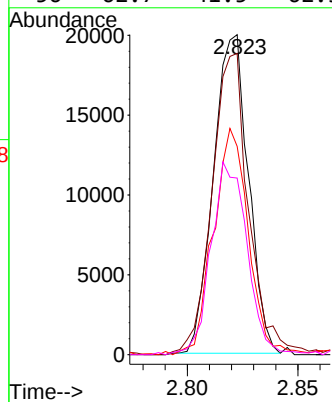
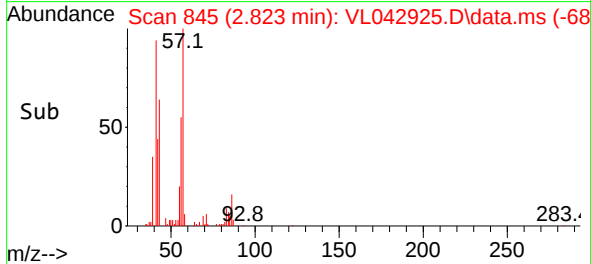
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 57 Resp: 21869
Ion Ratio Lower Upper
57 100
41 100.4 68.6 103.0
43 73.8 168.5 252.7
56 62.7 41.5 62.3#

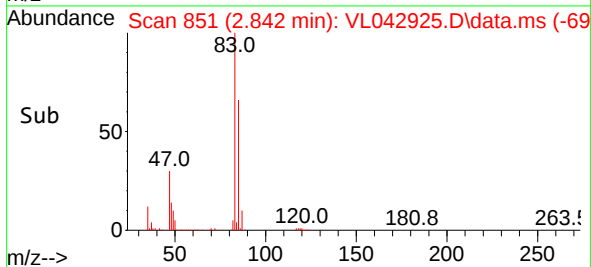
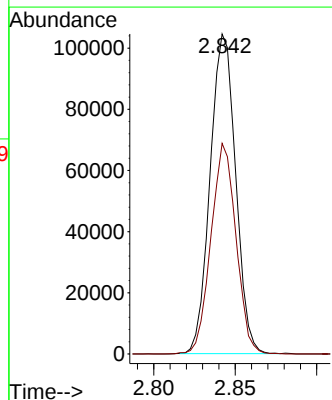
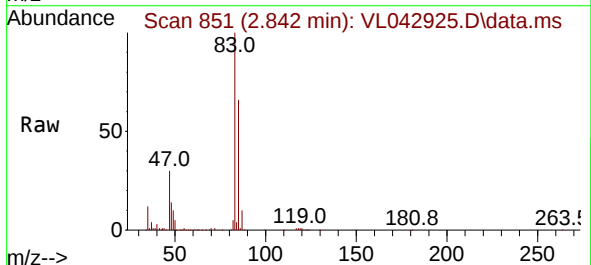
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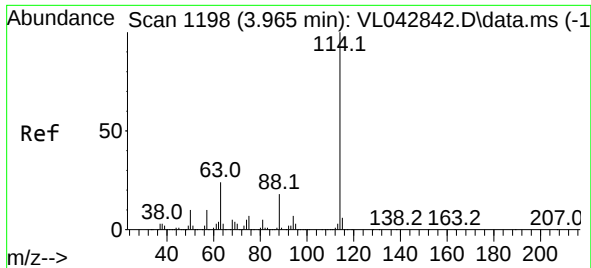
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#29
Chloroform
Concen: 3.660 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

Tgt Ion: 83 Resp: 113659
Ion Ratio Lower Upper
83 100
85 65.8 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042925.D

Acq: 10 Sep 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

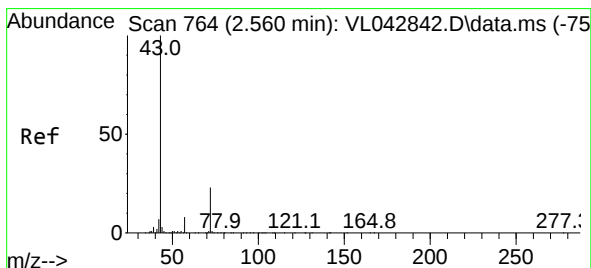
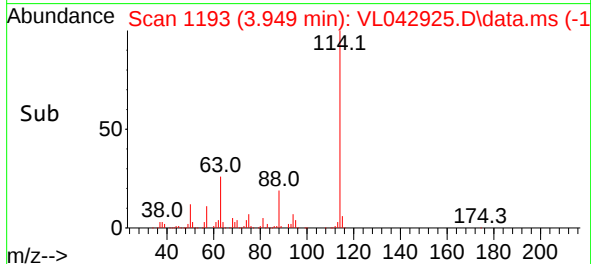
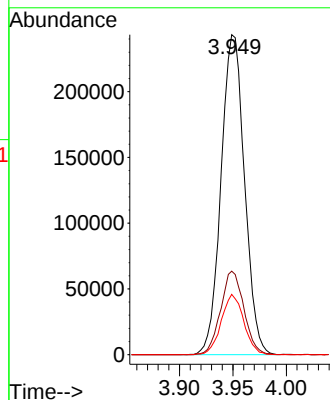
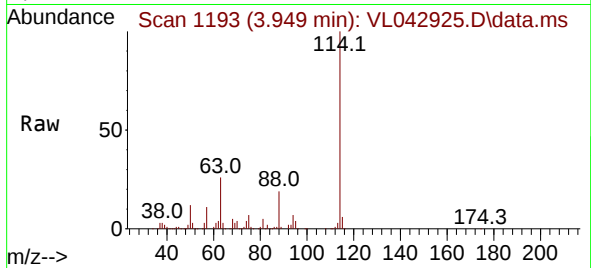
SV2DL

Tgt Ion:114 Resp: 371484
 Ion Ratio Lower Upper
 114 100
 63 25.9 19.7 29.5
 88 18.1 14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#34

2-Butanone

Concen: 0.289 ppbv

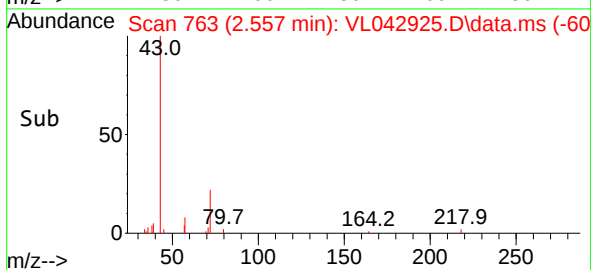
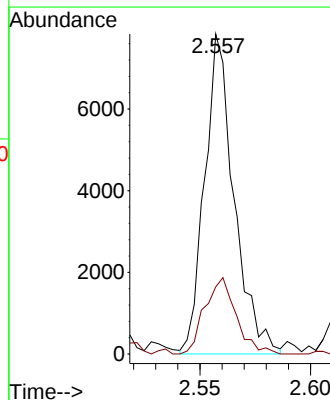
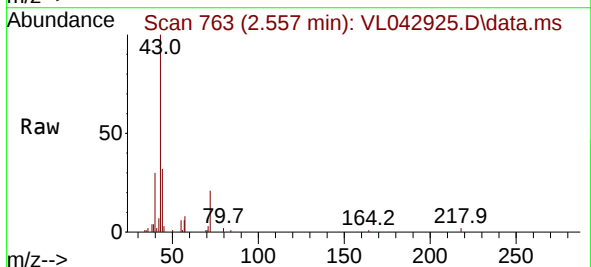
RT: 2.557 min Scan# 763

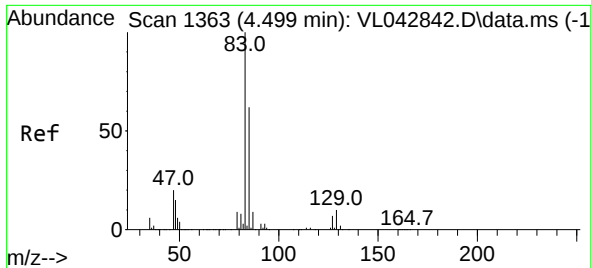
Delta R.T. 0.010 min

Lab File: VL042925.D

Acq: 10 Sep 2025 12:41

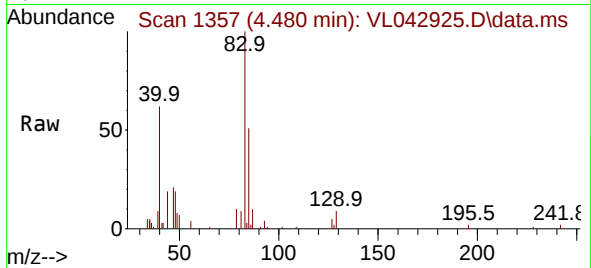
Tgt Ion: 43 Resp: 7244
 Ion Ratio Lower Upper
 43 100
 72 25.4 18.6 28.0





#42
Bromodichloromethane
Concen: 0.259 ppbv
RT: 4.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

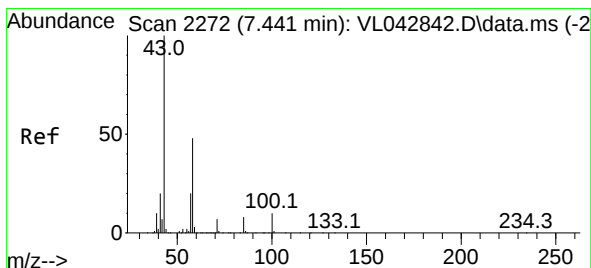
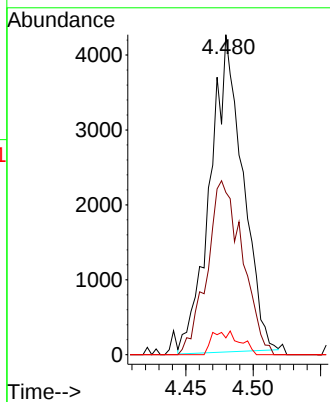
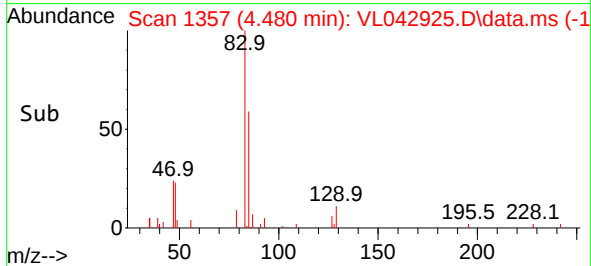
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 83 Resp: 718
Ion Ratio Lower Upper
83 100
85 51.5 49.8 74.8
127 5.3 5.8 8.6

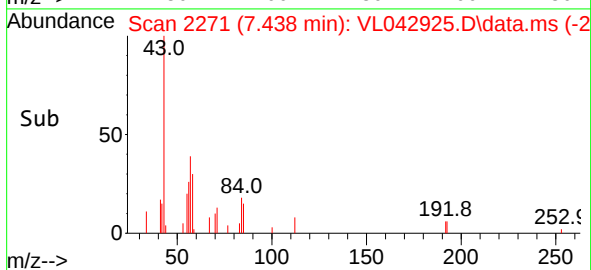
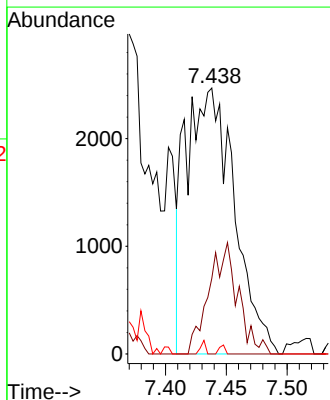
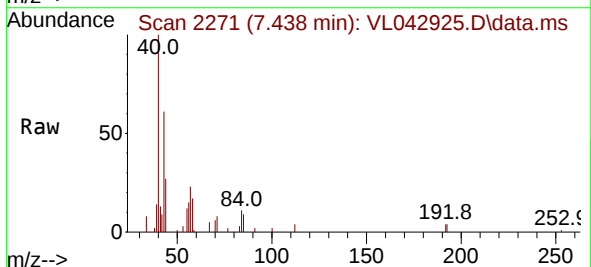
Manual Integrations
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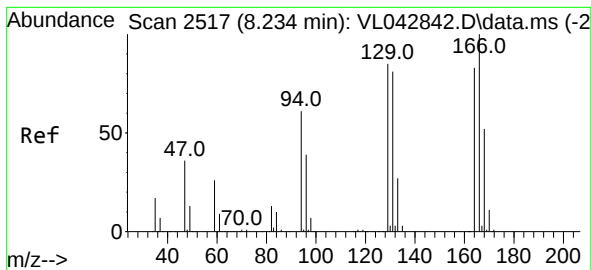
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#51
2-Hexanone
Concen: 0.257 ppbv m
RT: 7.438 min Scan# 2271
Delta R.T. 0.019 min
Lab File: VL042925.D
Acq: 10 Sep 2025 12:41

Tgt Ion: 43 Resp: 6862
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.9 0.1 0.1#





#52

Tetrachloroethene

Concen: 8.850 ppbv

RT: 8.218 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VL042925.D

Acq: 10 Sep 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:164 Resp: 11388

Ion Ratio Lower Upper

164 100

166 121.1 96.5 144.7

129 107.3 81.8 122.6

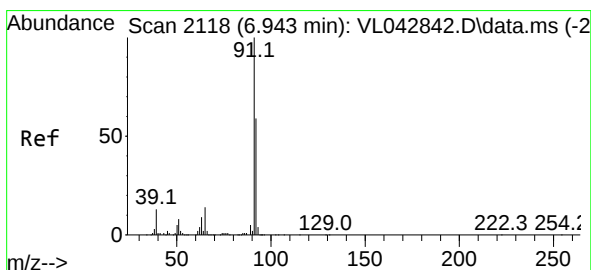
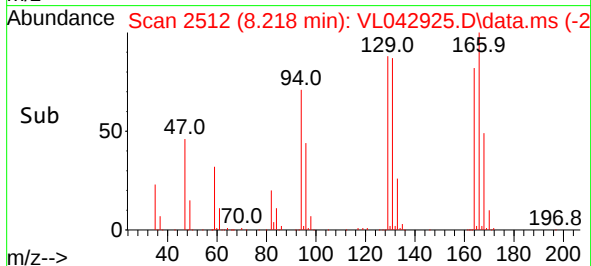
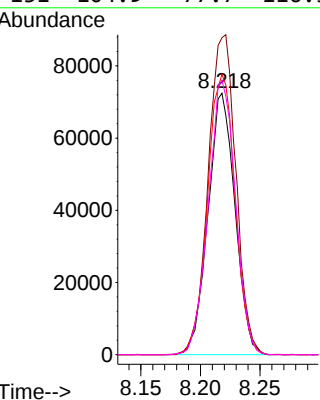
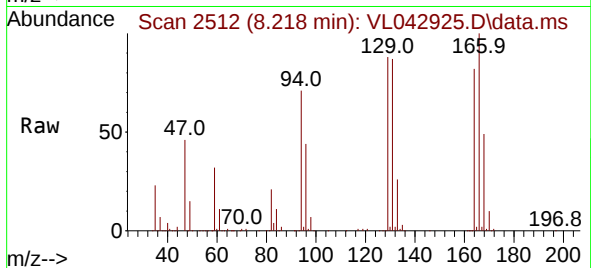
131 104.9 77.7 116.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#53

Toluene

Concen: 0.217 ppbv m

RT: 6.923 min Scan# 2112

Delta R.T. 0.010 min

Lab File: VL042925.D

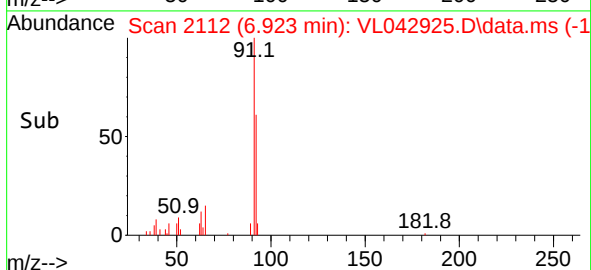
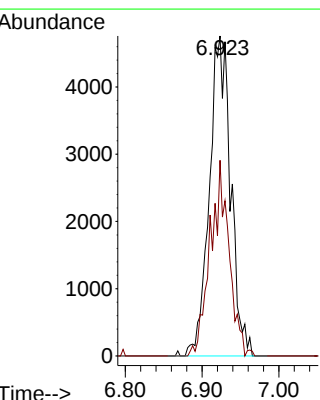
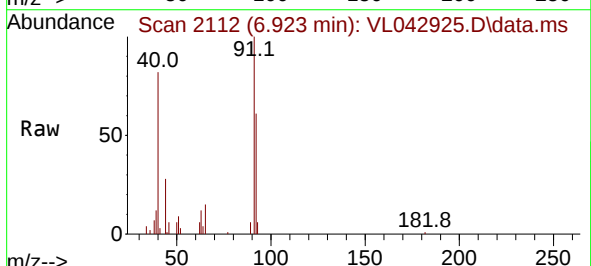
Acq: 10 Sep 2025 12:41

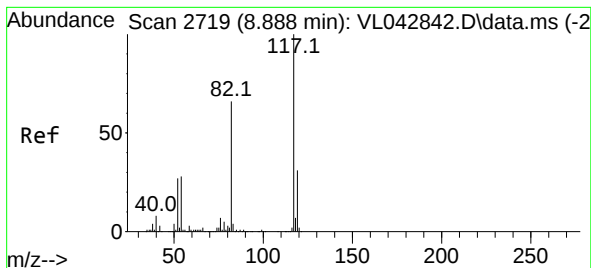
Tgt Ion: 91 Resp: 9196

Ion Ratio Lower Upper

91 100

92 53.6 47.8 71.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042925.D

Acq: 10 Sep 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:117 Resp: 320718

Ion Ratio Lower Upper

117 100

82 66.6 54.6 81.8

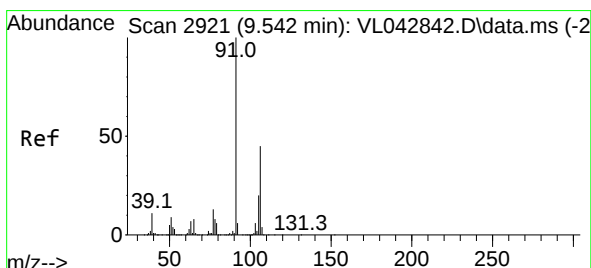
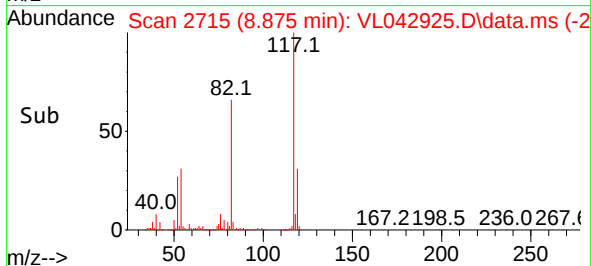
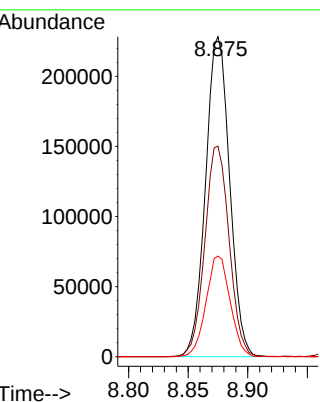
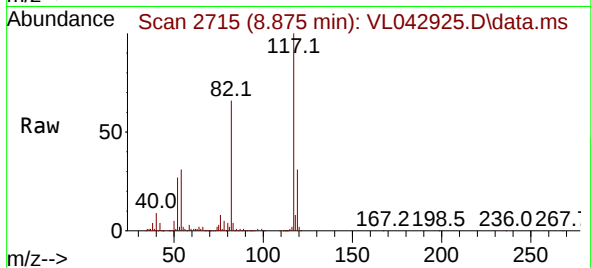
119 31.4 25.9 38.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2025

Supervised By :Mahesh Dadoda 09/11/2025



#59

m/p-Xylene

Concen: 0.164 ppbv m

RT: 9.522 min Scan# 2915

Delta R.T. -0.016 min

Lab File: VL042925.D

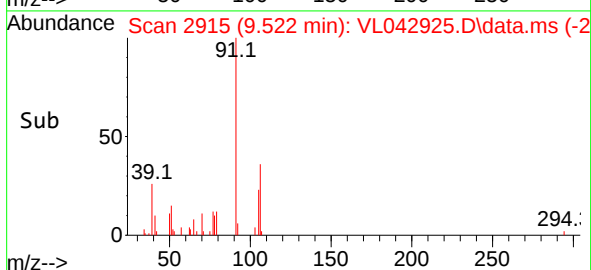
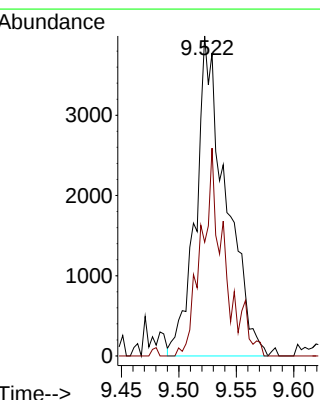
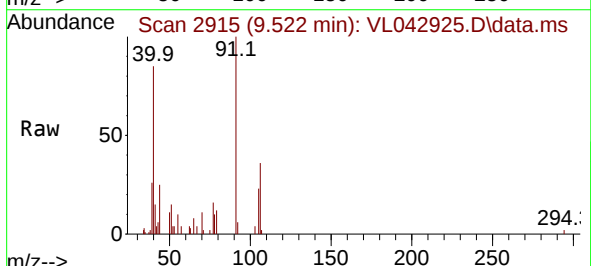
Acq: 10 Sep 2025 12:41

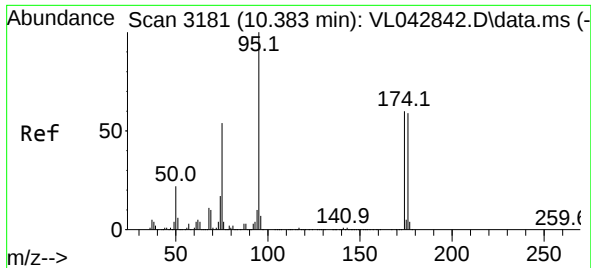
Tgt Ion: 91 Resp: 7276

Ion Ratio Lower Upper

91 100

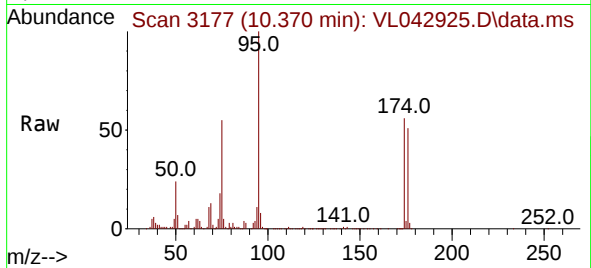
106 0.0 0.0 0.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.298 ppbv
 RT: 10.370 min Scan# 3181
 Delta R.T. 0.006 min
 Lab File: VL042925.D
 Acq: 10 Sep 2025 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL



Tgt Ion: 95 Resp: 247690
 Ion Ratio Lower Upper
 95 100
 174 56.5 48.4 72.6
 175 4.1 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
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