

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042926.D
 Acq On : 10 Sep 2025 13:33
 Operator : SY/MD
 Sample : Q3052-02DLDUP 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DLDUP

Quant Time: Sep 11 01:12:57 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.780	49	141045	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	346694	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	303060	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	240184	10.567	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.700%	
Target Compounds						
					Qvalue	
10) Heptane	4.972	43	8716m	0.330	ppbv	
13) Ethanol	1.719	45	25295	28.035	ppbv	91
15) Acetone	1.832	43	243447	13.048	ppbv	98
26) Hexane	2.823	57	19929	0.956	ppbv #	42
29) Chloroform	2.842	83	109000	3.663	ppbv	98
34) 2-Butanone	2.557	43	6656	0.284	ppbv	98
42) Bromodichloromethane	4.476	83	6796m	0.263	ppbv	
51) 2-Hexanone	7.441	43	5144m	0.207	ppbv	
52) Tetrachloroethene	8.221	164	109548	9.121	ppbv	95
53) Toluene	6.923	91	7633m	0.193	ppbv	
59) m/p-Xylene	9.529	91	7220m	0.172	ppbv	

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

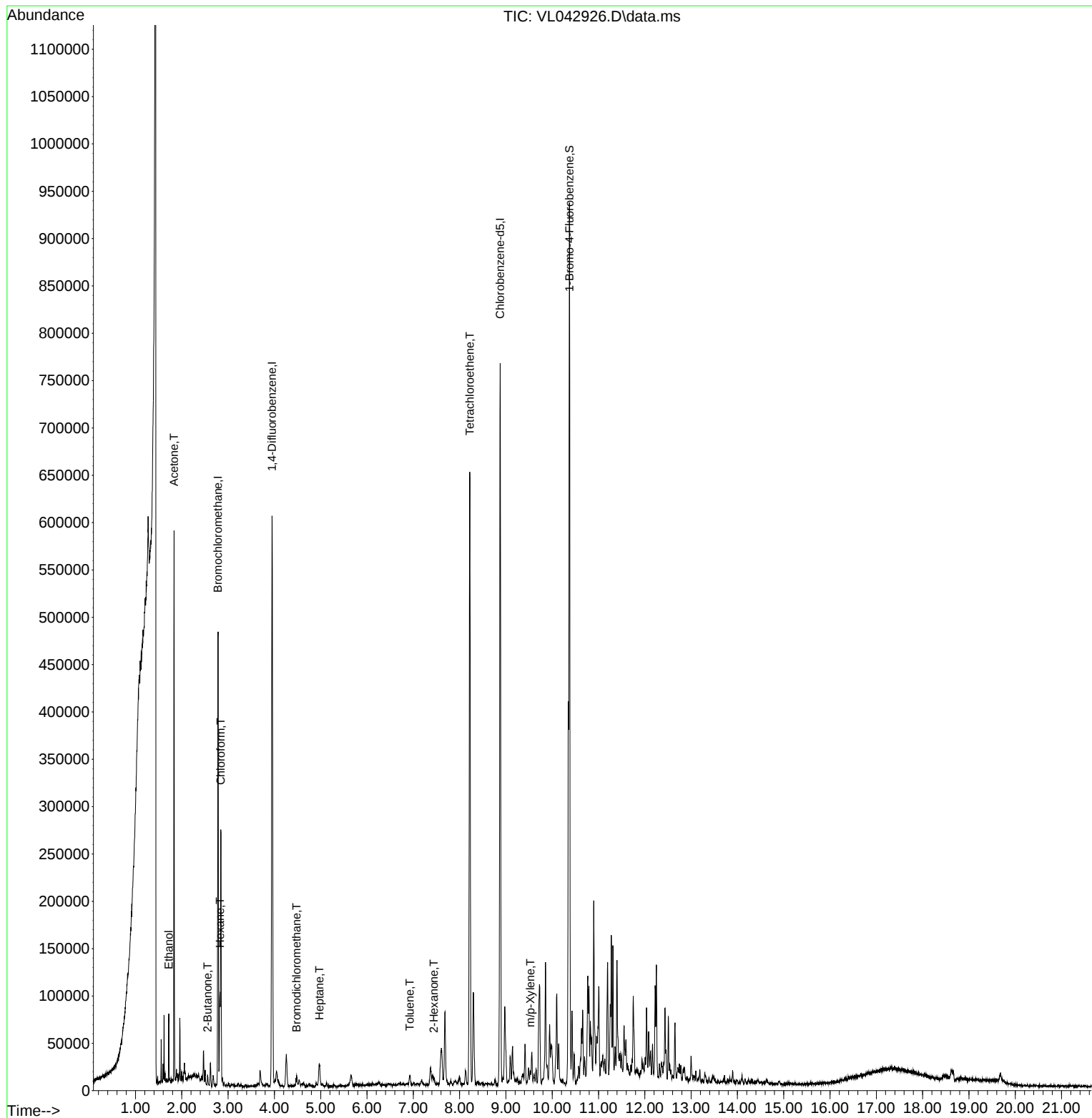
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
Data File : VL042926.D
Acq On : 10 Sep 2025 13:33
Operator : SY/MD
Sample : Q3052-02DLDUP 40X
Misc : 400mL/MSVOA_L
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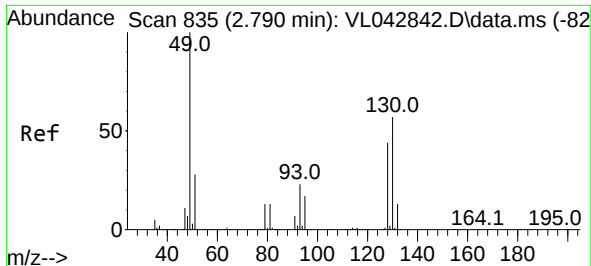
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Quant Time: Sep 11 01:12:57 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

Manual Integrations
APPROVED

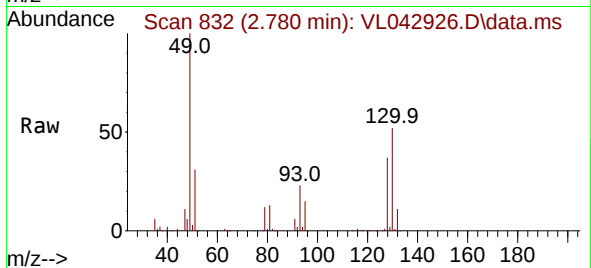
Reviewed By : Semsettin Yesilyurt 09/11/2025
Supervised By : Mahesh Dadoda 09/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

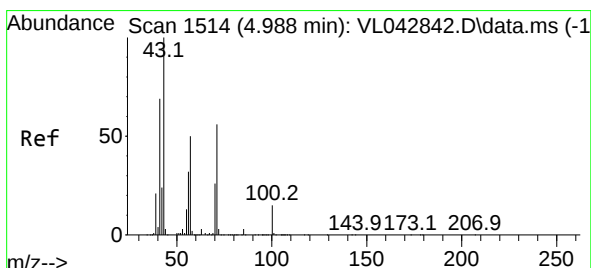
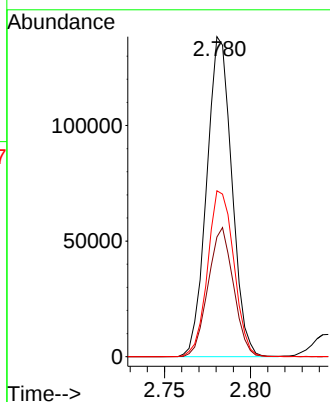
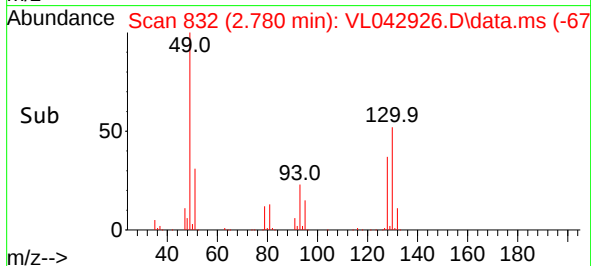
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP



Tgt Ion: 49 Resp: 141045
Ion Ratio Lower Upper
49 100
128 40.6 23.7 71.1
130 54.0 30.6 91.6

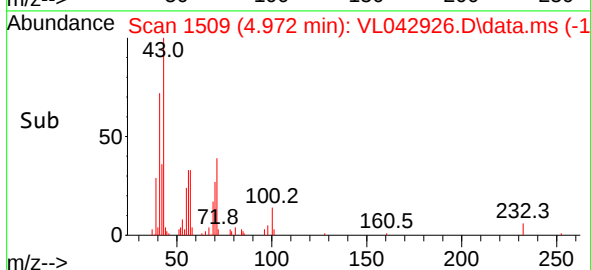
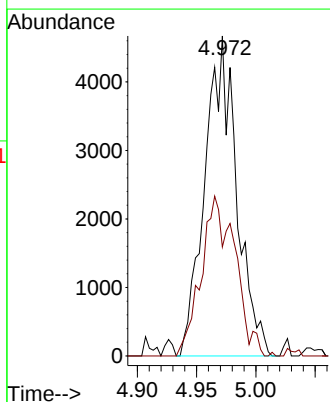
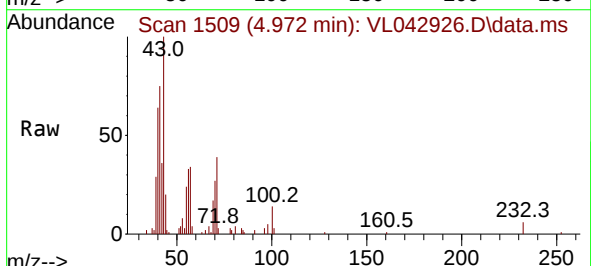
Manual Integrations
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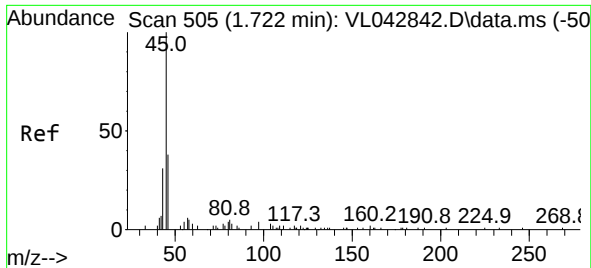
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#10
Heptane
Concen: 0.330 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. 0.013 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

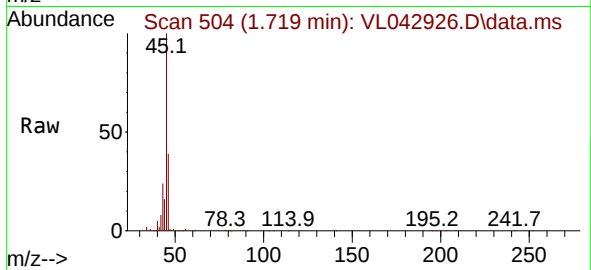
Tgt Ion: 43 Resp: 8716
Ion Ratio Lower Upper
43 100
57 53.3 41.4 62.0





#13
 Ethanol
 Concen: 28.035 ppbv
 RT: 1.719 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042926.D
 Acq: 10 Sep 2025 13:33

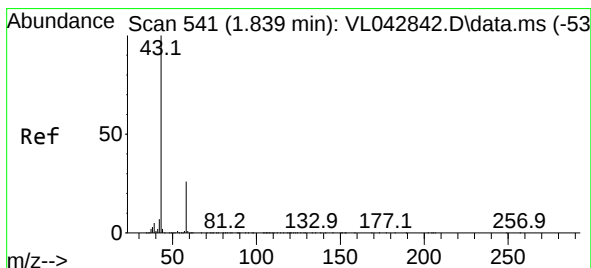
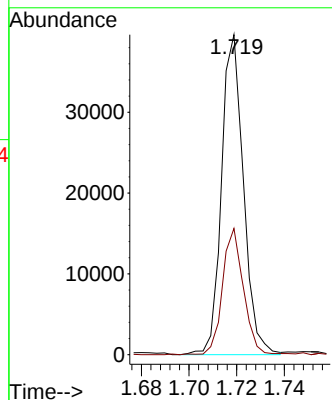
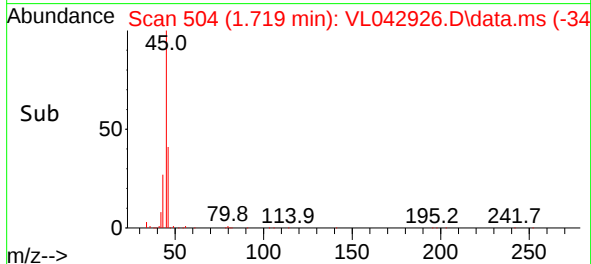
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DLDUP



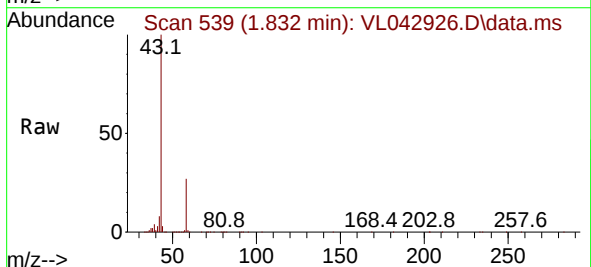
Tgt Ion: 45 Resp: 2529
 Ion Ratio Lower Upper
 45 100
 46 38.1 17.5 69.9

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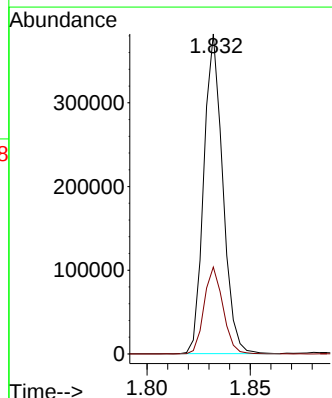
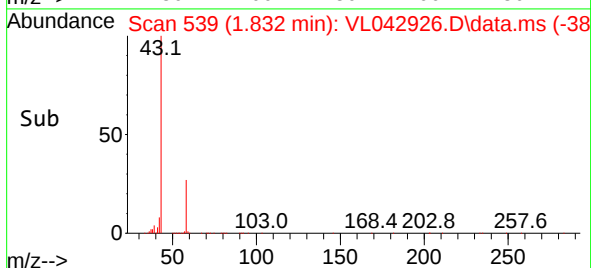
Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

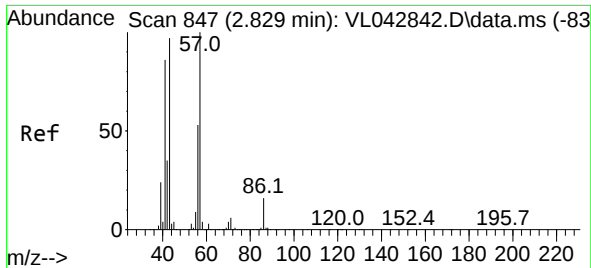


#15
 Acetone
 Concen: 13.048 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. 0.003 min
 Lab File: VL042926.D
 Acq: 10 Sep 2025 13:33



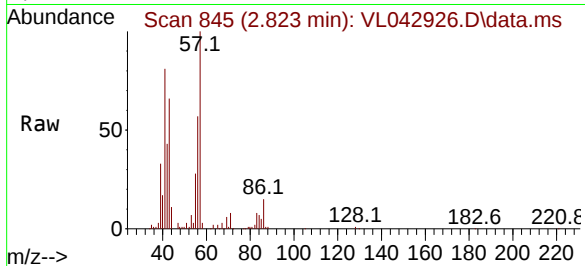
Tgt Ion: 43 Resp: 243447
 Ion Ratio Lower Upper
 43 100
 58 27.1 22.4 33.6





#26
Hexane
Concen: 0.956 ppbv
RT: 2.823 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

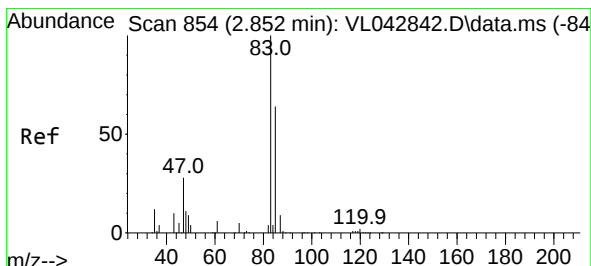
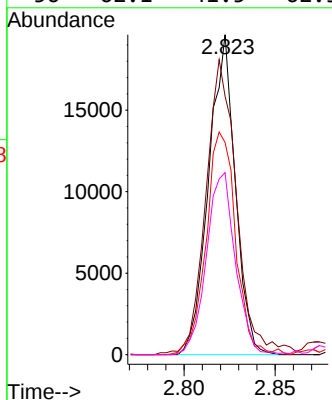
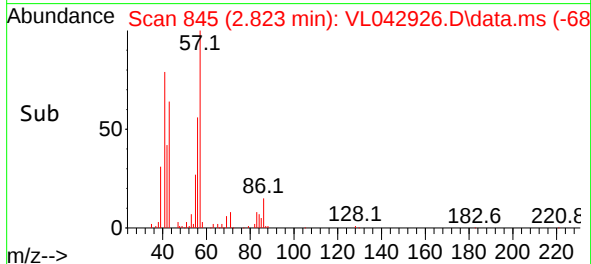
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP



Tgt Ion: 57 Resp: 19929
Ion Ratio Lower Upper
57 100
41 107.0 68.6 103.0
43 79.6 168.5 252.7
56 62.1 41.5 62.3

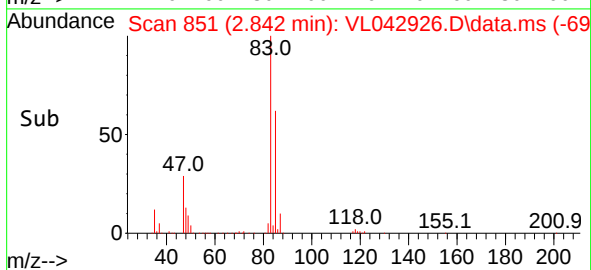
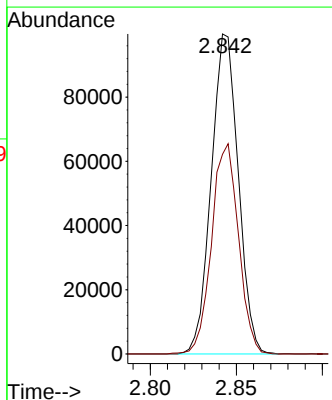
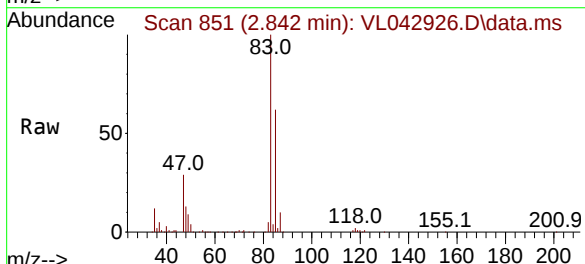
Manual Integrations
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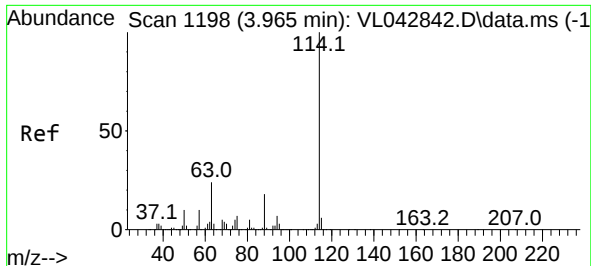
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#29
Chloroform
Concen: 3.663 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

Tgt Ion: 83 Resp: 109000
Ion Ratio Lower Upper
83 100
85 62.4 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VL042926.D

Acq: 10 Sep 2025 13:33

Instrument :

MSVOA_L

ClientSampleId :

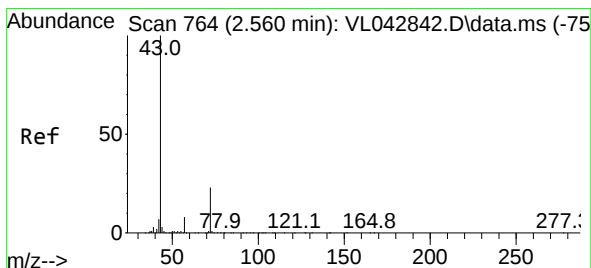
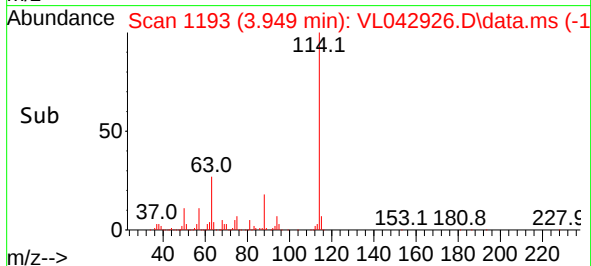
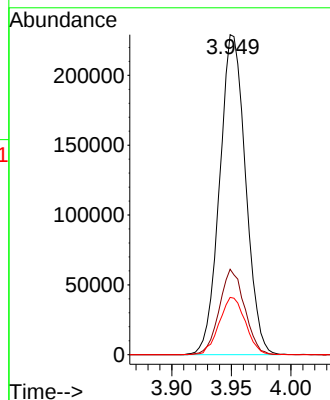
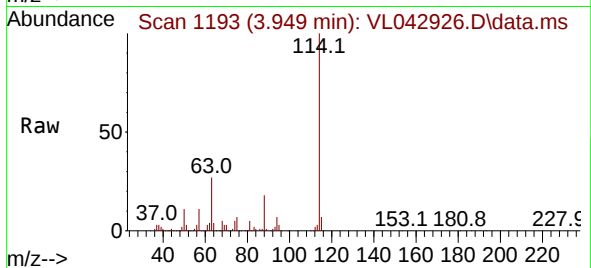
SV2DLDUP

Tgt Ion:	114	Resp:	346694
Ion Ratio	Lower	Upper	
114	100		
63	26.0	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: 0.284 ppbv

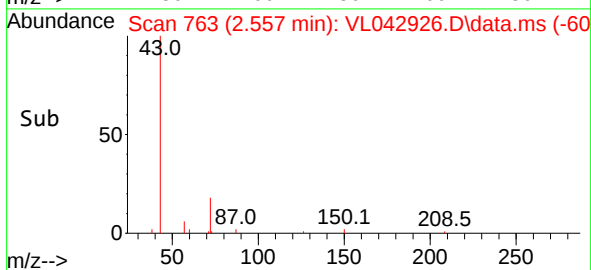
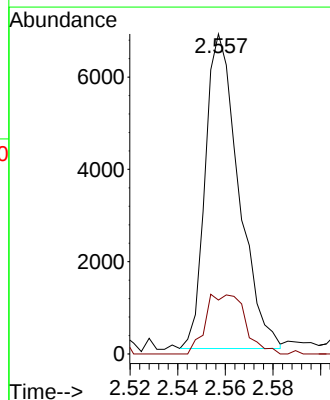
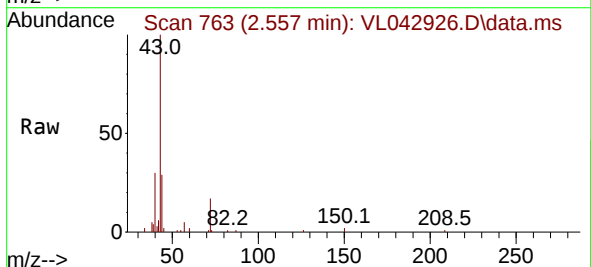
RT: 2.557 min Scan# 763

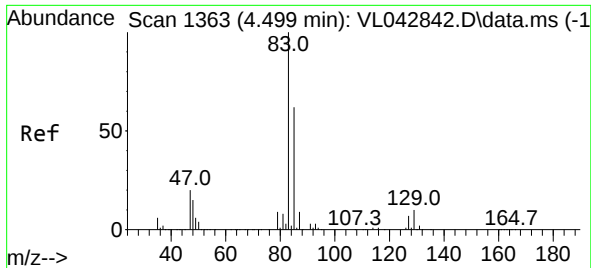
Delta R.T. 0.010 min

Lab File: VL042926.D

Acq: 10 Sep 2025 13:33

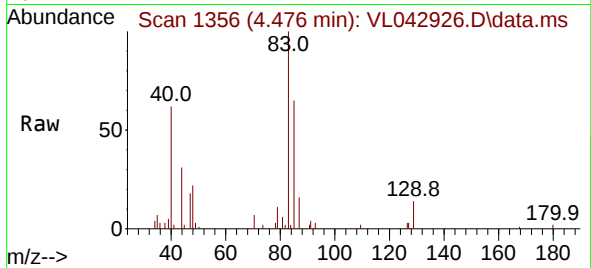
Tgt Ion:	43	Resp:	6656
Ion Ratio	Lower	Upper	
43	100		
72	22.5	18.6	28.0





#42
Bromodichloromethane
Concen: 0.263 ppbv m
RT: 4.476 min Scan# 1356
Delta R.T. 0.003 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

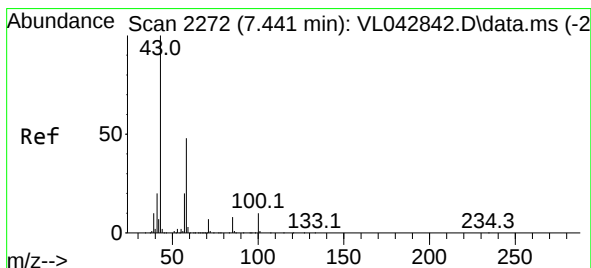
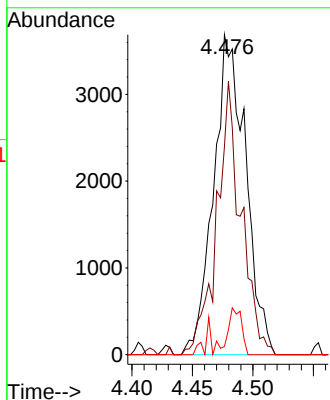
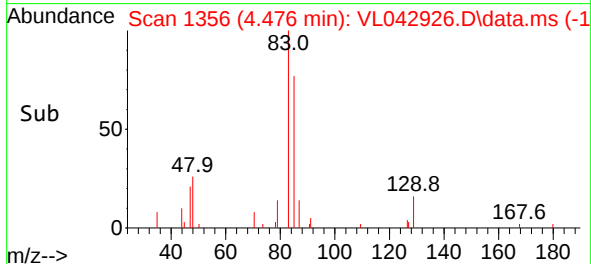
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP



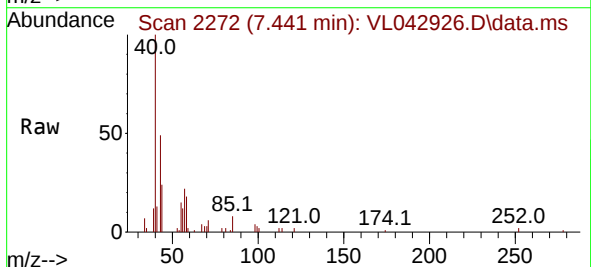
Tgt Ion: 83 Resp: 6790
Ion Ratio Lower Upper
83 100
85 65.0 49.8 74.8
127 2.5 5.8 8.6

Manual Integrations
APPROVED

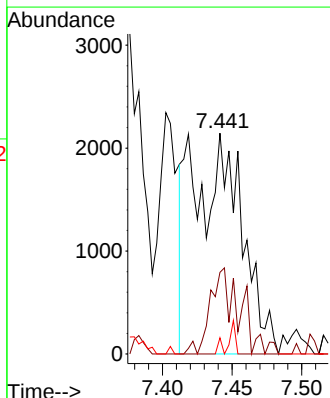
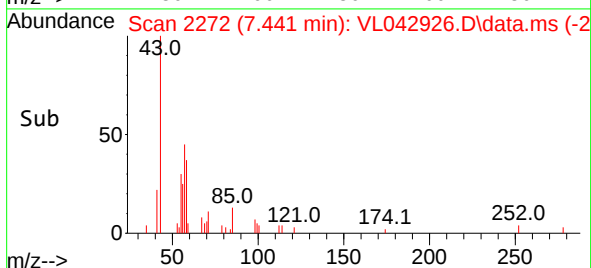
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

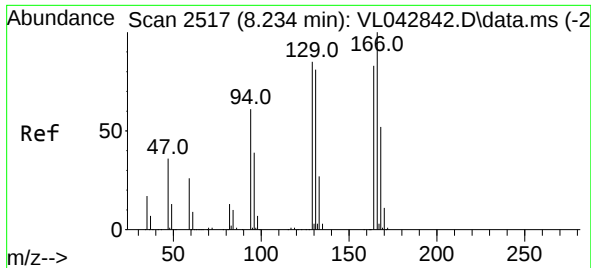


#51
2-Hexanone
Concen: 0.207 ppbv m
RT: 7.441 min Scan# 2272
Delta R.T. 0.022 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33



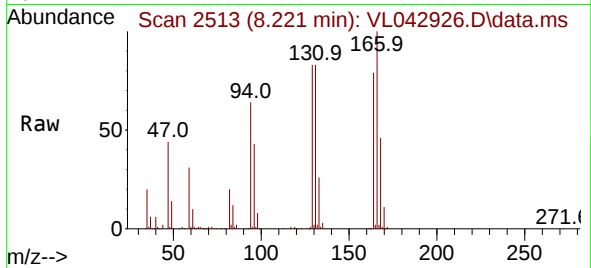
Tgt Ion: 43 Resp: 5144
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.0 0.1 0.1#





#52
Tetrachloroethene
Concen: 9.121 ppbv
RT: 8.221 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

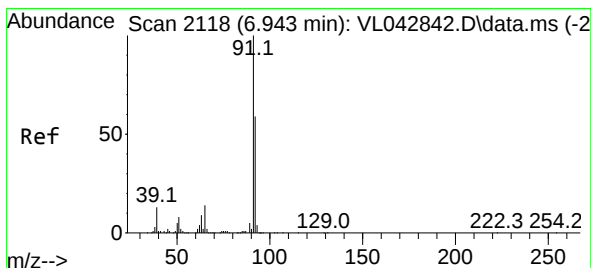
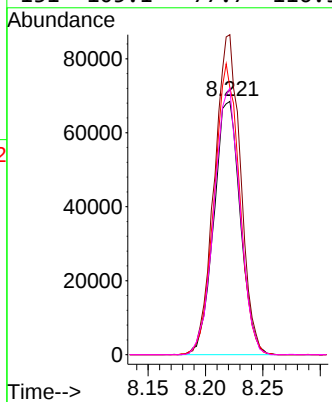
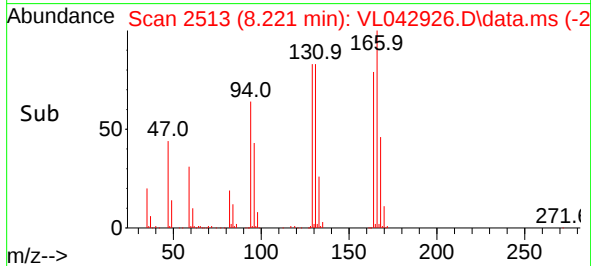
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP



Tgt Ion:164 Resp: 10954
Ion Ratio Lower Upper
164 100
166 126.3 96.5 144.7
129 105.4 81.8 122.6
131 105.1 77.7 116.5

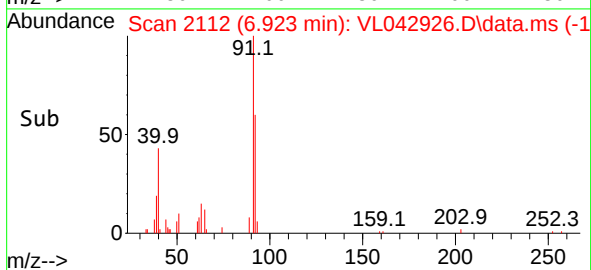
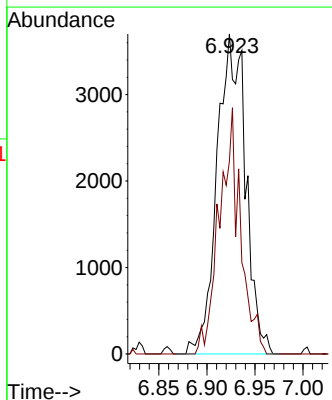
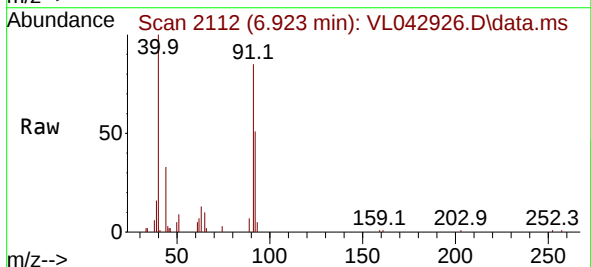
Manual Integrations
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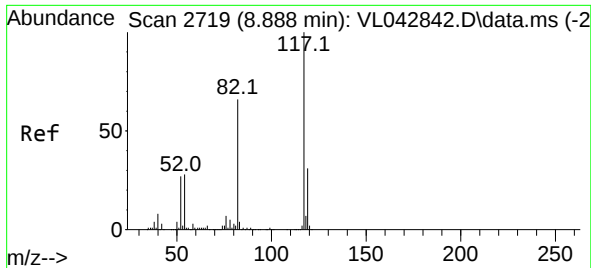
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#53
Toluene
Concen: 0.193 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

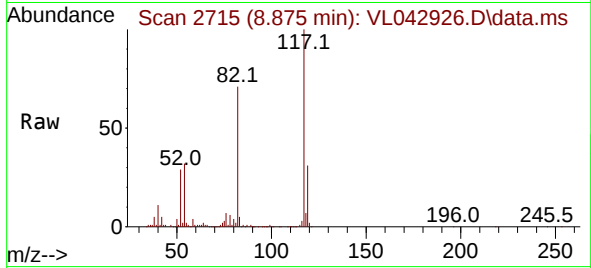
Tgt Ion: 91 Resp: 7633
Ion Ratio Lower Upper
91 100
92 56.7 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

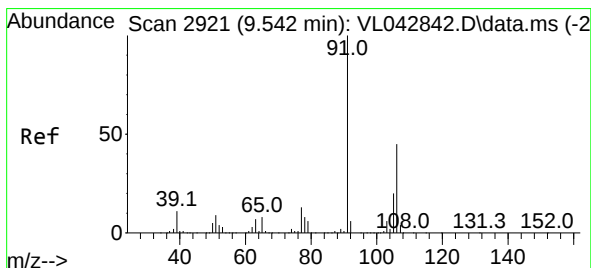
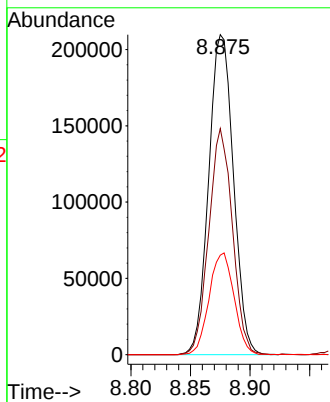
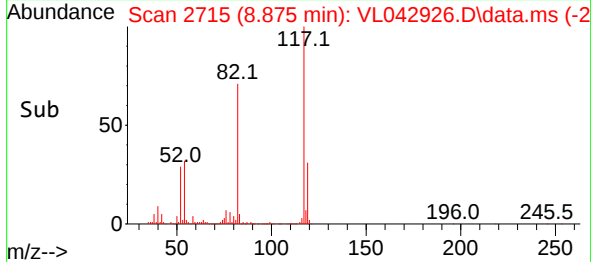
Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP



Tgt Ion:117 Resp: 303060
Ion Ratio Lower Upper
117 100
82 67.4 54.6 81.8
119 32.1 25.9 38.9

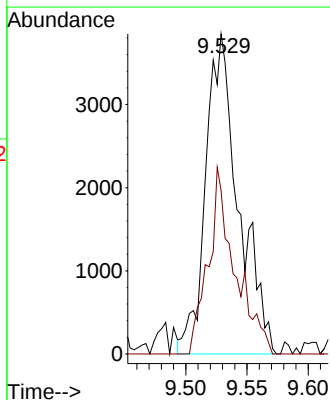
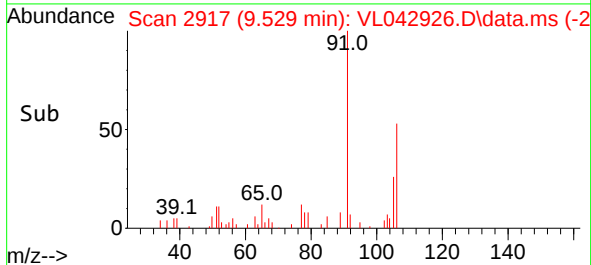
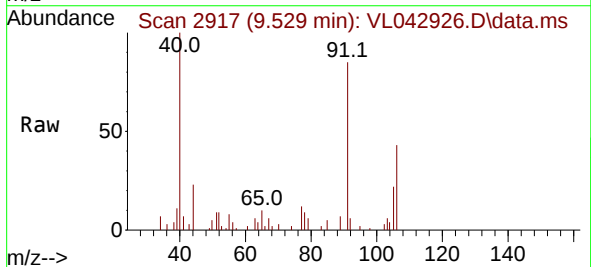
Manual Integrations
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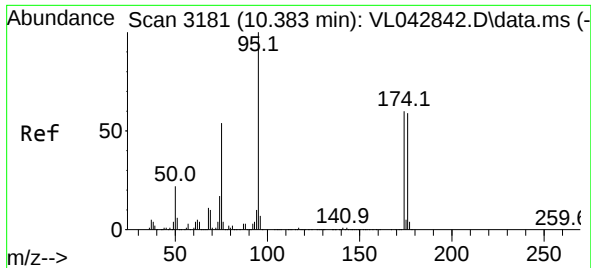
Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



#59
m/p-Xylene
Concen: 0.172 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.010 min
Lab File: VL042926.D
Acq: 10 Sep 2025 13:33

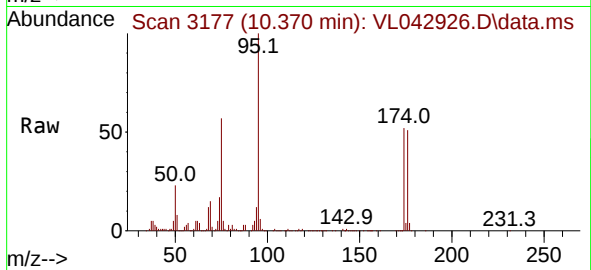
Tgt Ion: 91 Resp: 7220
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.567 ppbv
 RT: 10.370 min Scan# 3181
 Delta R.T. 0.006 min
 Lab File: VL042926.D
 Acq: 10 Sep 2025 13:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DLDUP



Tgt Ion: 95	Resp: 240184
Ion Ratio	Lower Upper
95	100
174	56.5 48.4 72.6
175	3.9 3.8 5.8

Manual Integrations
 APPROVED

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

