

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042863.D
 Acq On : 13 Aug 2025 22:02
 Operator : SY/MD
 Sample : Q2834-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:23:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 14 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	122002	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	362595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	311068	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	233164	9.994	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	25708	32.941	ppbv	92
15) Acetone	1.839	43	23970	1.485	ppbv	100
17) tert-Butyl alcohol	2.049	59	2116	0.111	ppbv #	29
26) Hexane	2.829	57	6328	0.351	ppbv #	47
34) 2-Butanone	2.564	43	2873m	0.117	ppbv	
53) Toluene	6.950	91	6097m	0.148	ppbv	

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

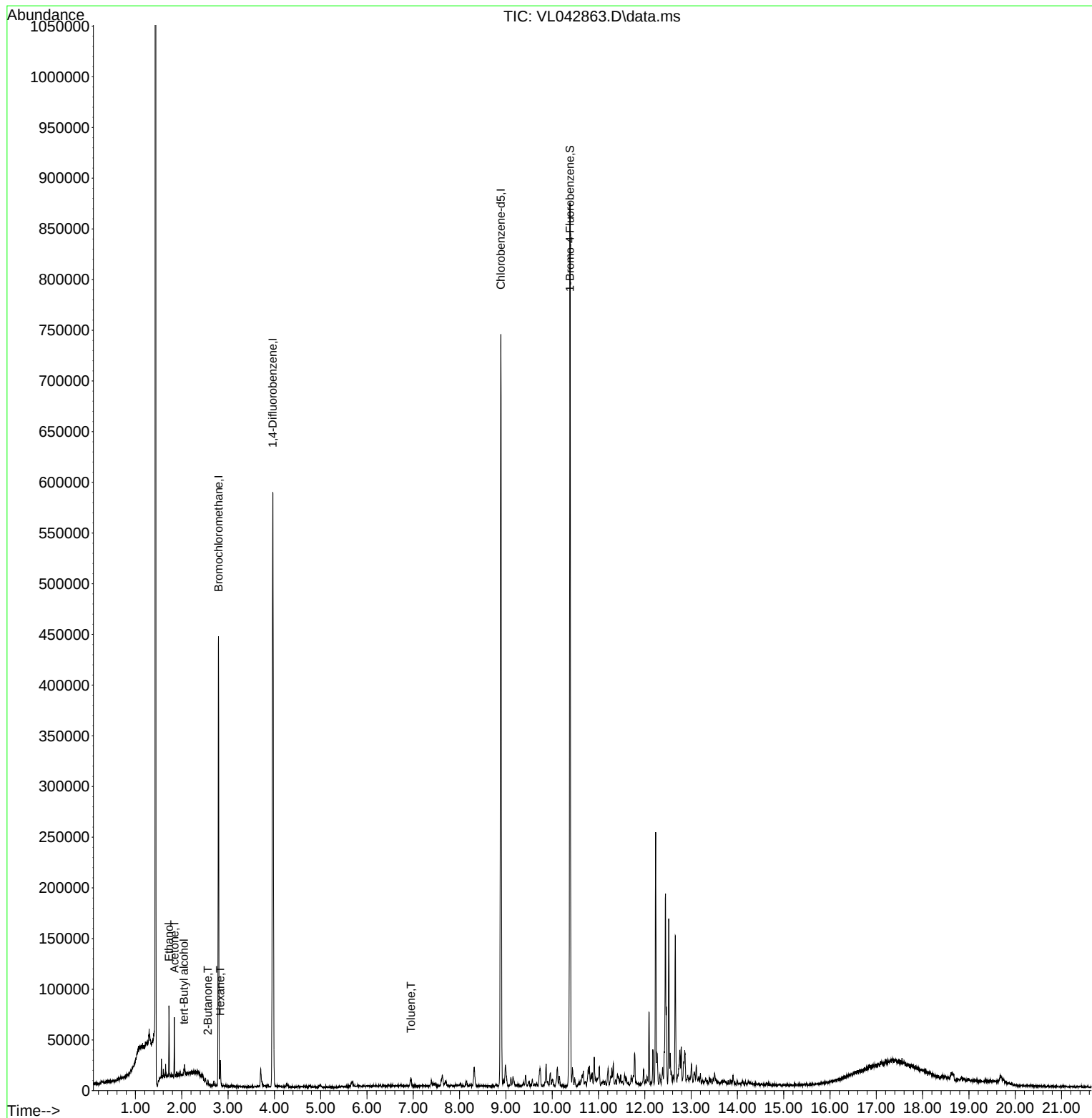
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042863.D
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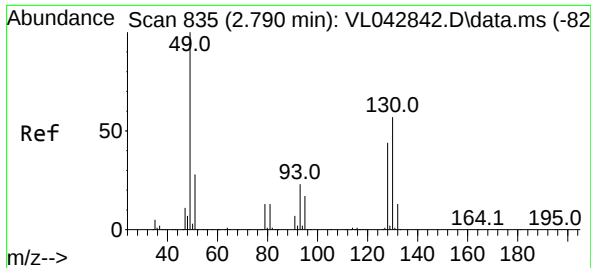
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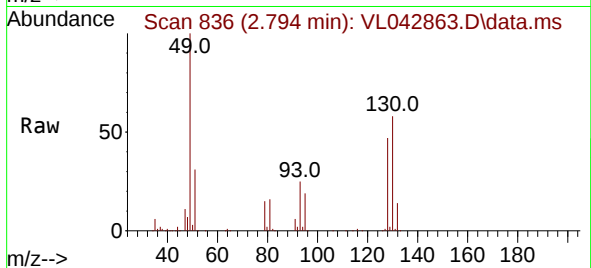
Quant Time: Aug 14 02:23:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

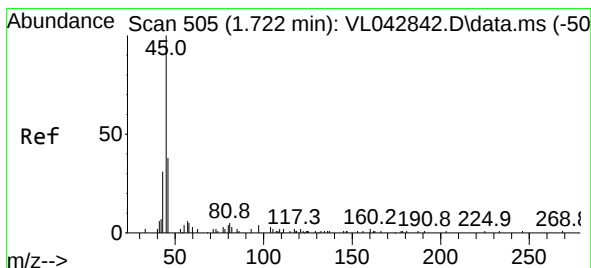
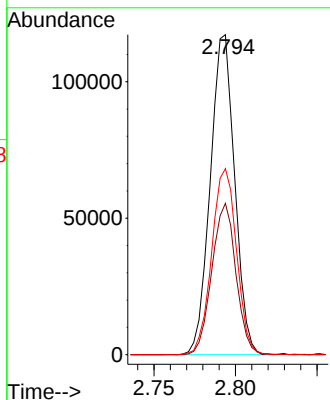
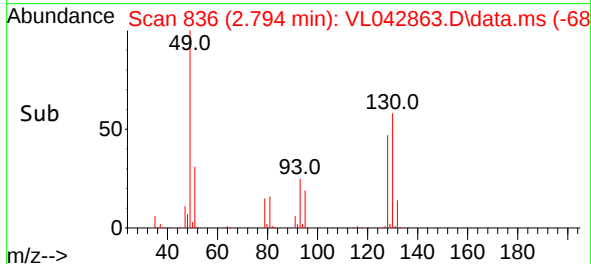
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



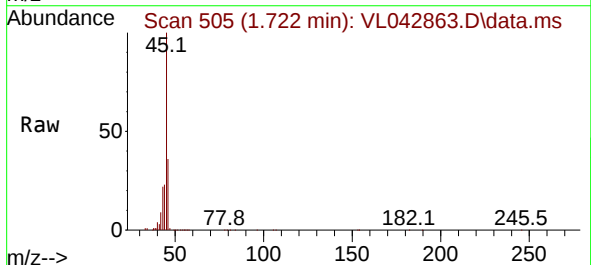
Tgt Ion: 49 Resp: 122002
Ion Ratio Lower Upper
49 100
128 46.7 23.7 71.1
130 59.2 30.6 91.6

Manual Integrations
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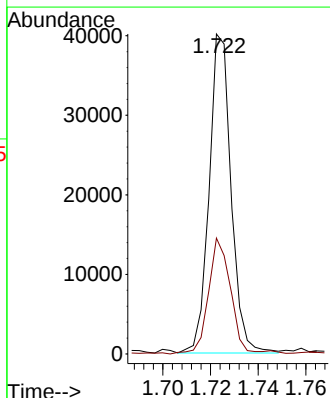
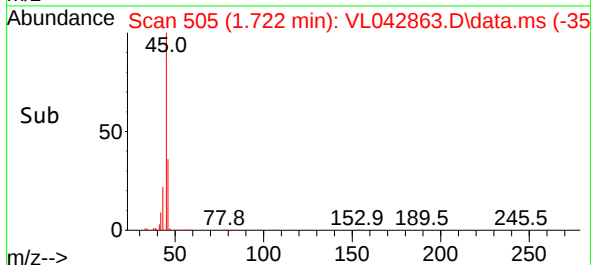
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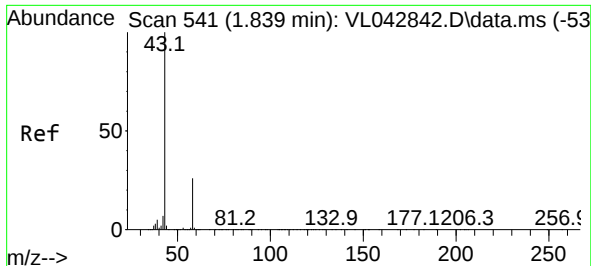


#13
Ethanol
Concen: 32.941 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02



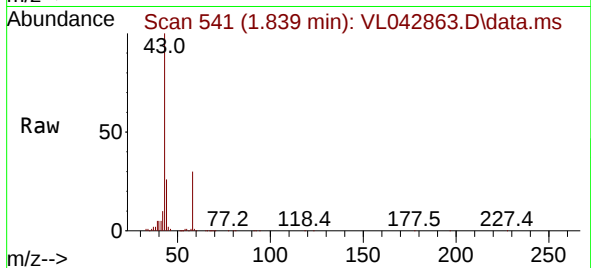
Tgt Ion: 45 Resp: 25708
Ion Ratio Lower Upper
45 100
46 38.4 17.5 69.9





#15
Acetone
Concen: 1.485 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

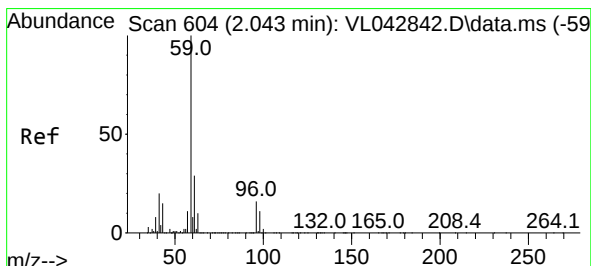
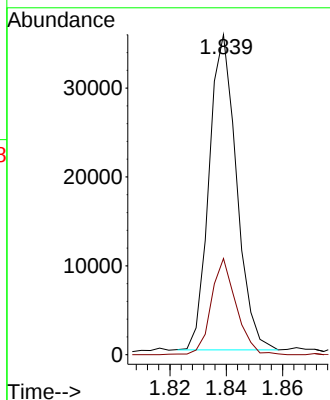
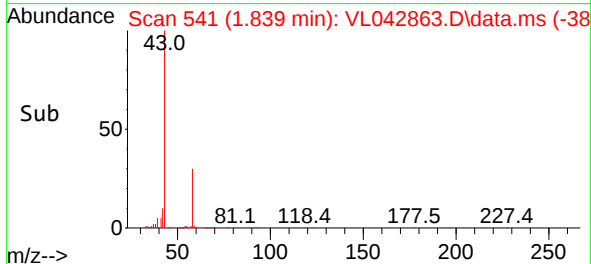
Instrument :
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ClientSampleId :
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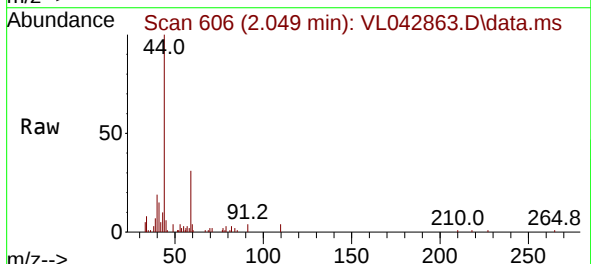
Tgt Ion: 43 Resp: 23970
Ion Ratio Lower Upper
43 100
58 27.8 22.4 33.6

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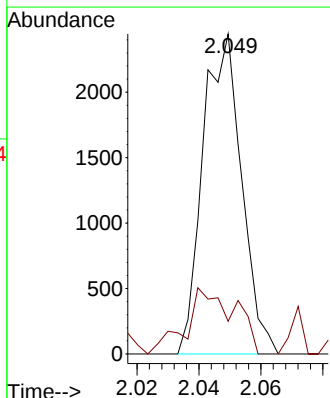
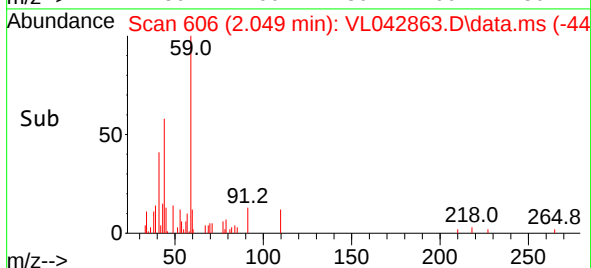
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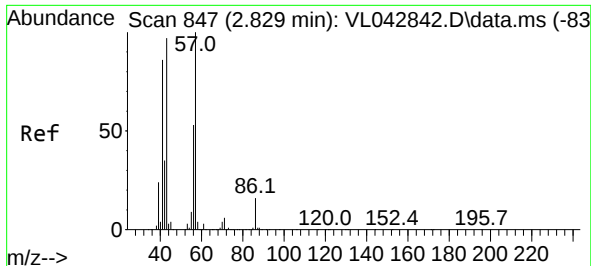


#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.007 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02



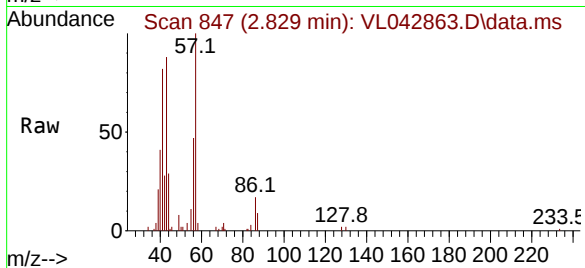
Tgt Ion: 59 Resp: 2116
Ion Ratio Lower Upper
59 100
57 38.1 9.0 13.4





#26
Hexane
Concen: 0.351 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

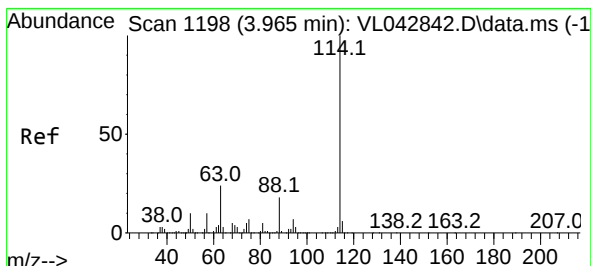
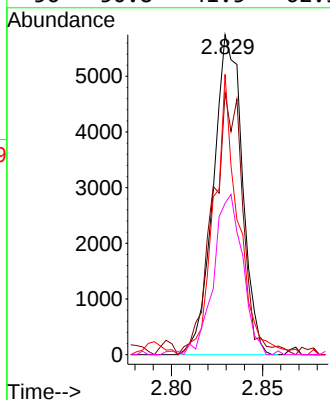
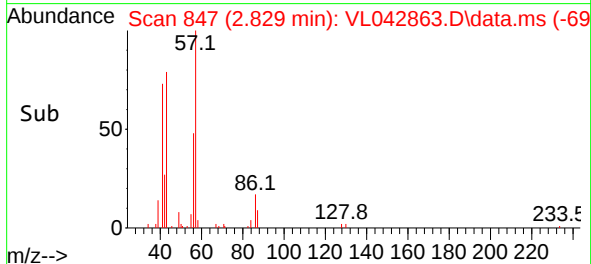
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



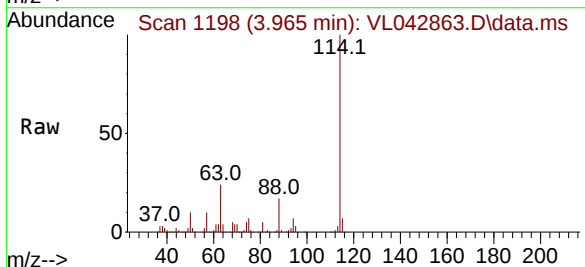
Tgt Ion: 57 Resp: 6328
Ion Ratio Lower Upper
57 100
41 91.9 68.6 103.0
43 78.2 168.5 252.7
56 50.8 41.5 62.3

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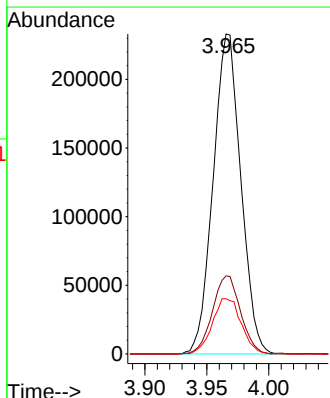
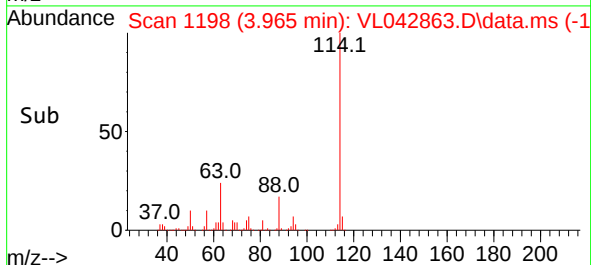
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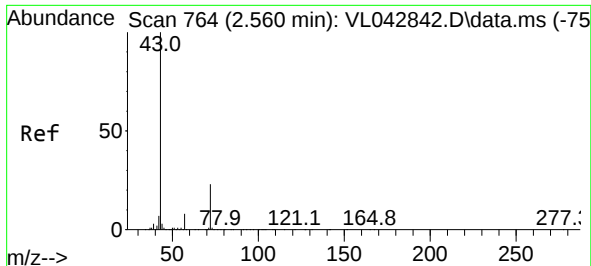


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02



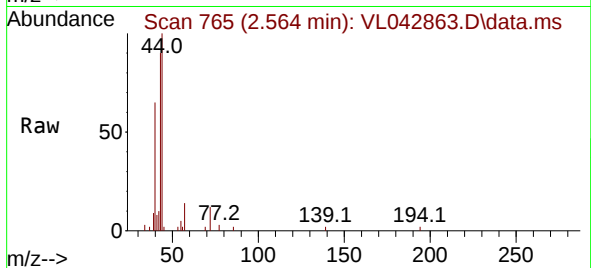
Tgt Ion:114 Resp: 362595
Ion Ratio Lower Upper
114 100
63 24.7 19.7 29.5
88 18.1 14.4 21.6





#34
2-Butanone
Concen: 0.117 ppbv m
RT: 2.564 min Scan# 764
Delta R.T. 0.004 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

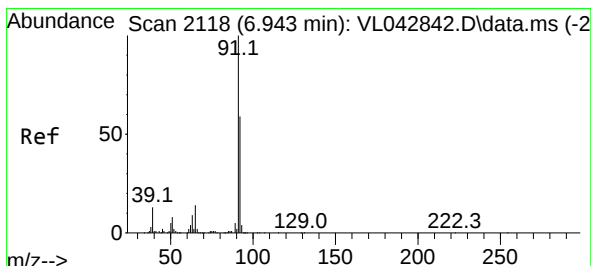
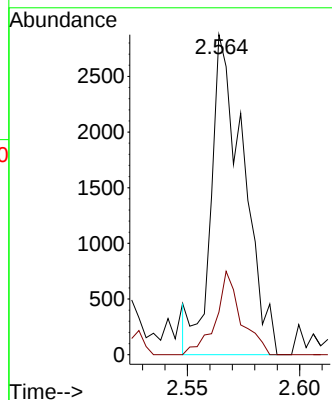
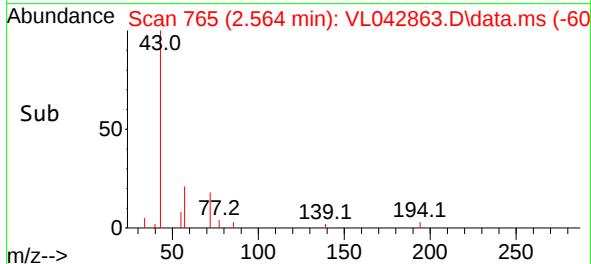
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Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
72 0.0 18.6 28.0

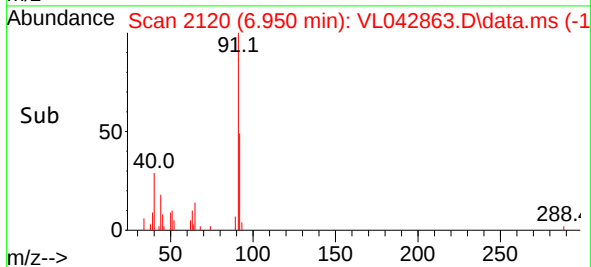
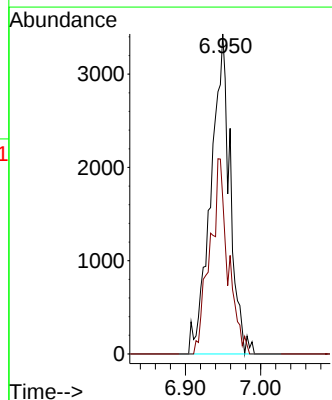
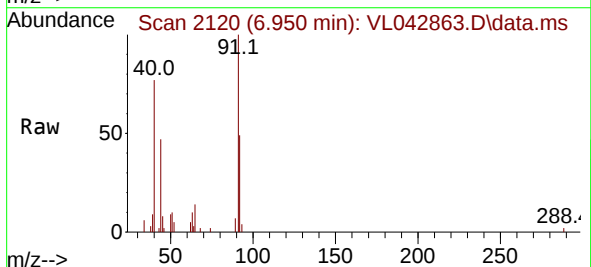
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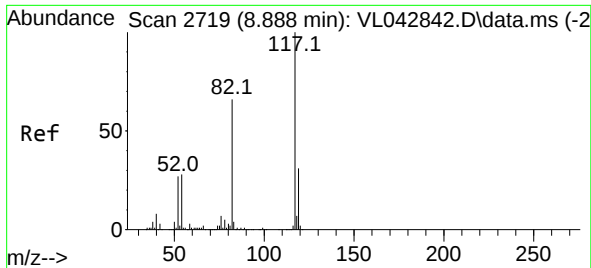
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Supervised By :Mahesh Dadoda 08/18/2025



#53
Toluene
Concen: 0.148 ppbv m
RT: 6.950 min Scan# 2120
Delta R.T. 0.007 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

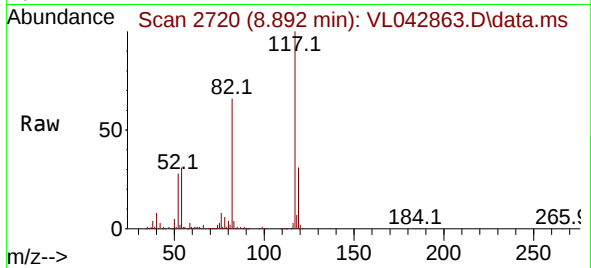
Tgt Ion: 91 Resp: 6097
Ion Ratio Lower Upper
91 100
92 57.7 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2719
Delta R.T. 0.004 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02

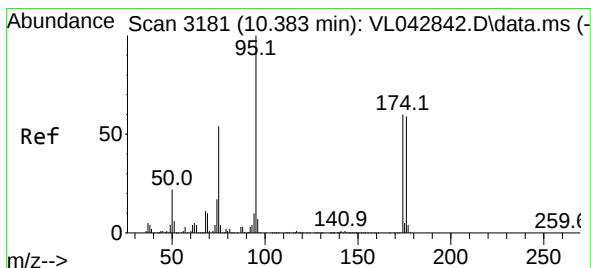
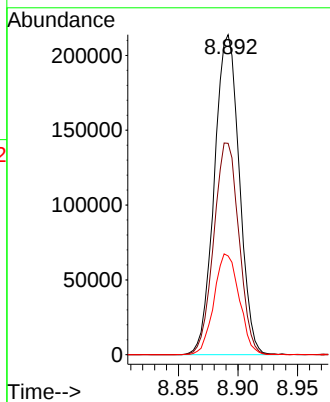
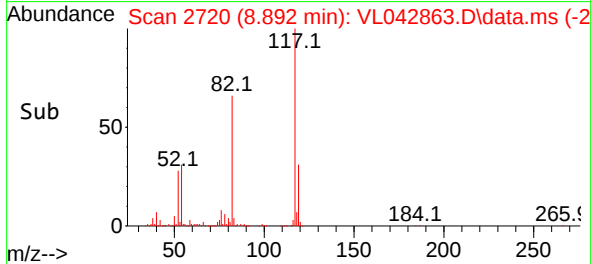
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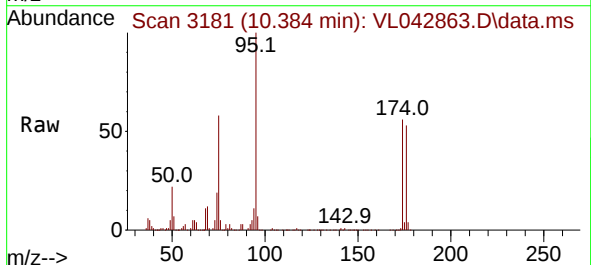
Tgt Ion: 117 Resp: 311068
Ion Ratio Lower Upper
117 100
82 66.9 54.6 81.8
119 31.9 25.9 38.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.994 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VL042863.D
Acq: 13 Aug 2025 22:02



Tgt Ion: 95 Resp: 233164
Ion Ratio Lower Upper
95 100
174 57.0 48.4 72.6
175 4.2 3.8 5.8

