

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043269.D
 Acq On : 20 Nov 2025 17:27
 Operator : SY/MD
 Sample : Q3655-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 00:41:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	101941	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	262812	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	203972	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	143816	9.619	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	959m	0.454	ppbv	
15) Acetone	1.835	43	4711m	0.333	ppbv	
20) Methylene Chloride	2.059	84	3916	0.166	ppbv	97
26) Hexane	2.822	57	1739	0.130	ppbv #	52
34) 2-Butanone	2.560	43	2263	0.122	ppbv	100
52) Tetrachloroethene	8.215	164	77443	8.272	ppbv	98

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

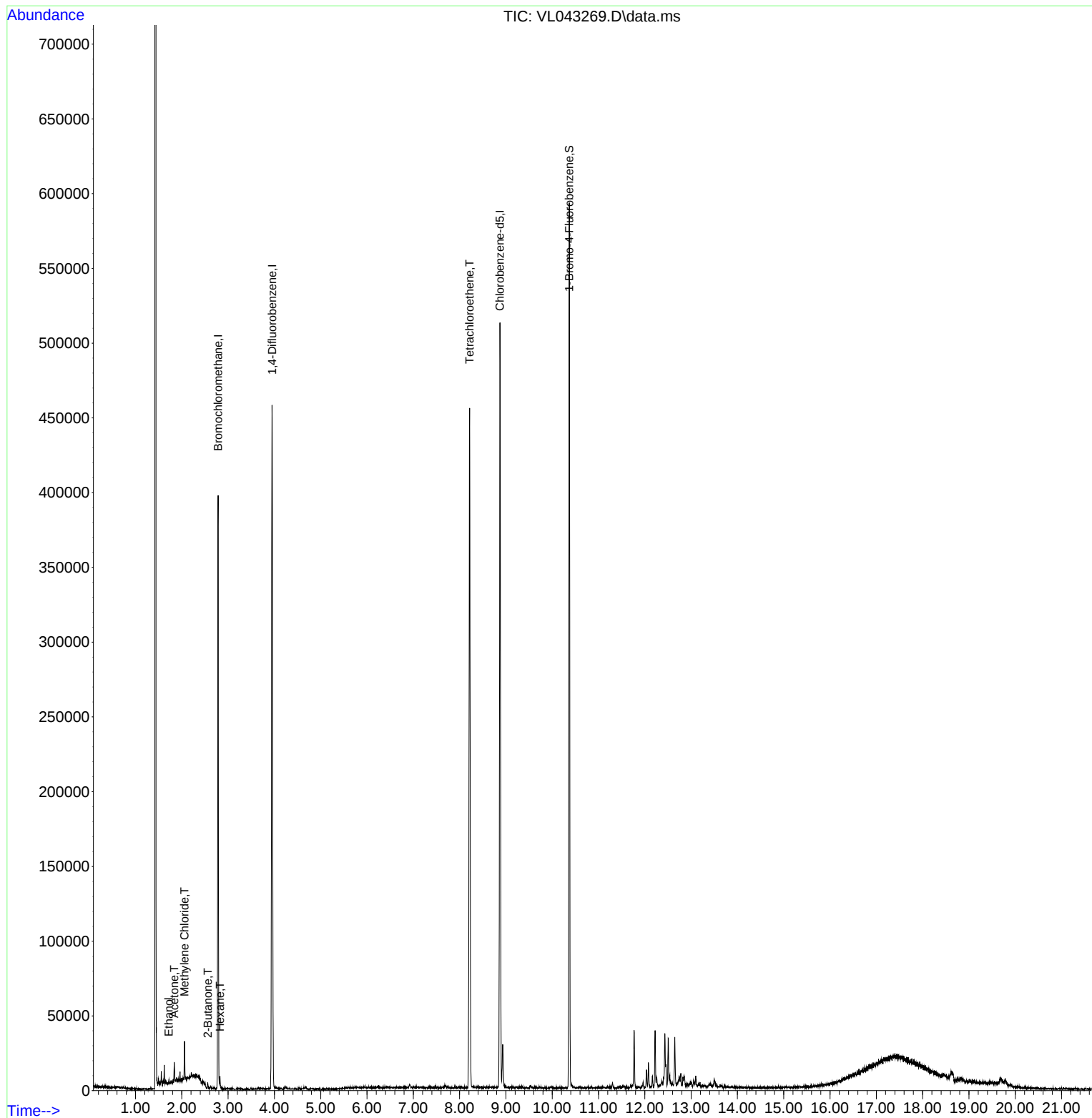
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
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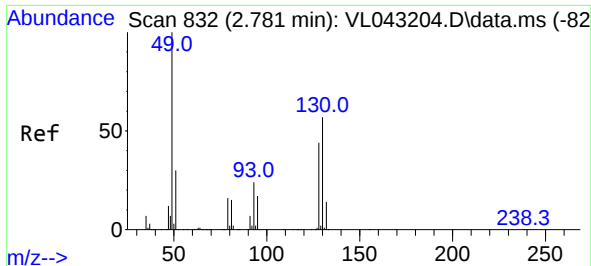
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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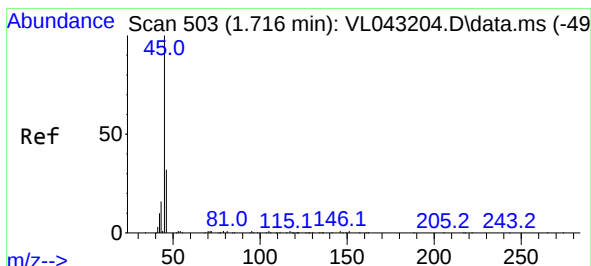
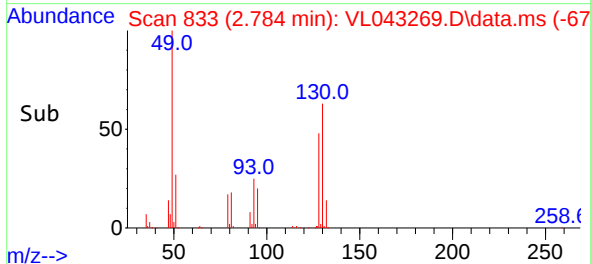
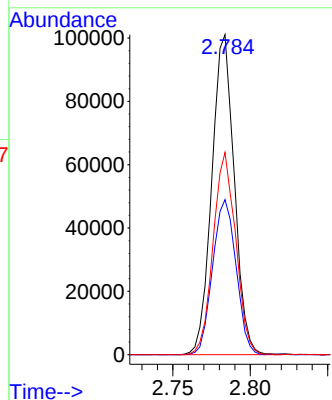
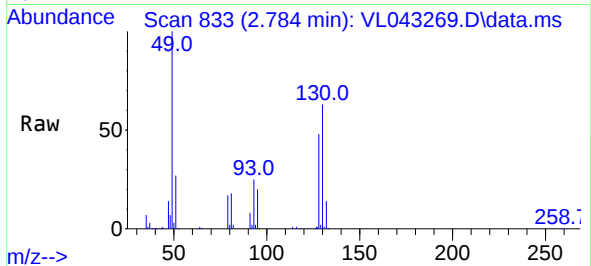
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 49 Resp: 10194
Ion Ratio Lower Upper
49 100
128 50.5 23.0 69.0
130 63.4 29.9 89.7

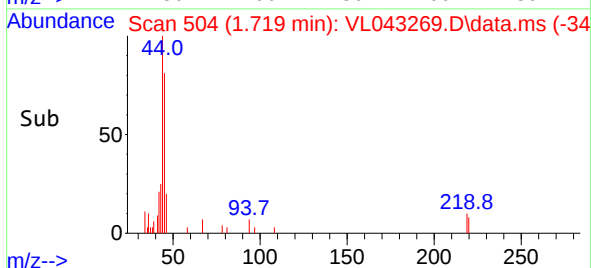
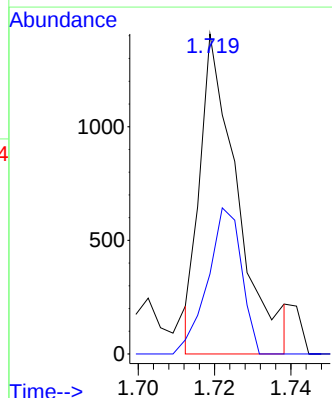
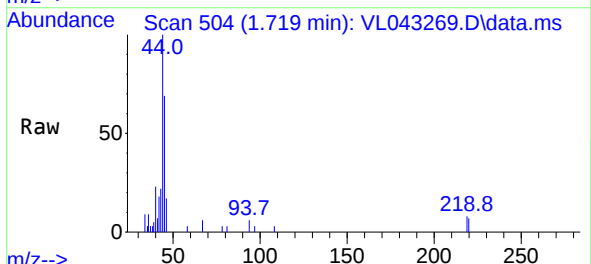
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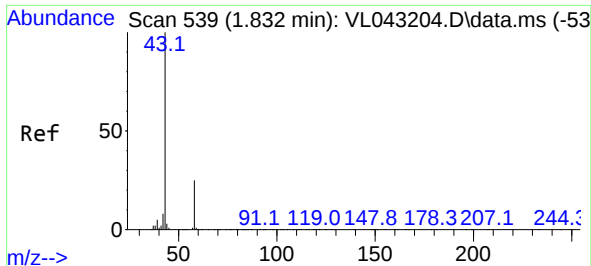
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#13
Ethanol
Concen: 0.454 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

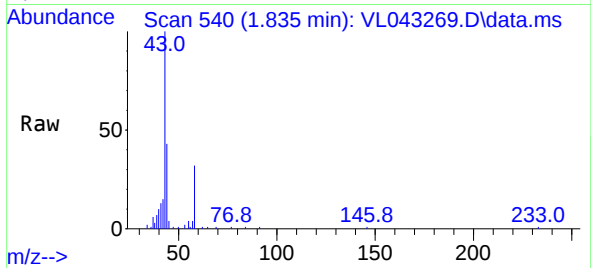
Tgt Ion: 45 Resp: 959
Ion Ratio Lower Upper
45 100
46 9554.1 15.0 59.8#





#15
Acetone
Concen: 0.333 ppbv m
RT: 1.835 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

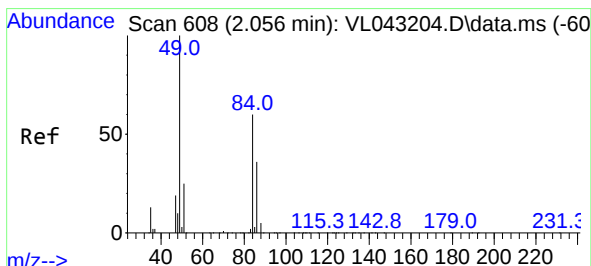
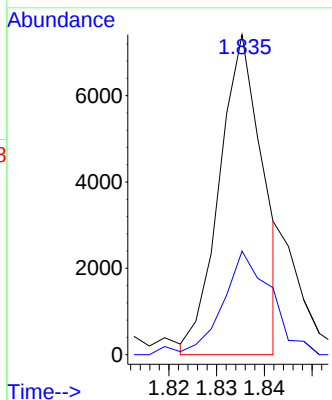
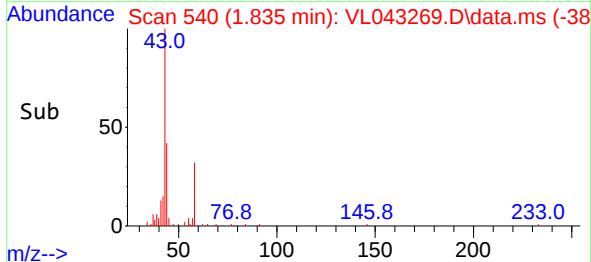
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



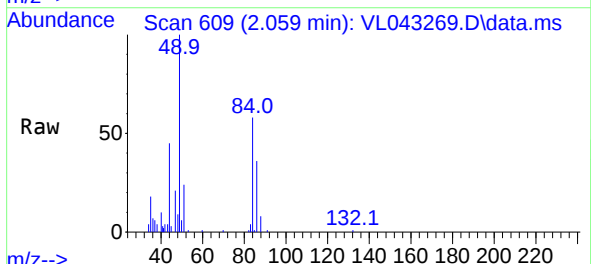
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 37.1 20.7 31.1

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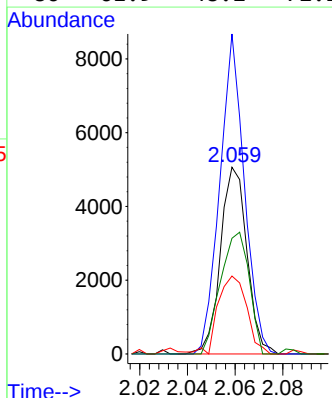
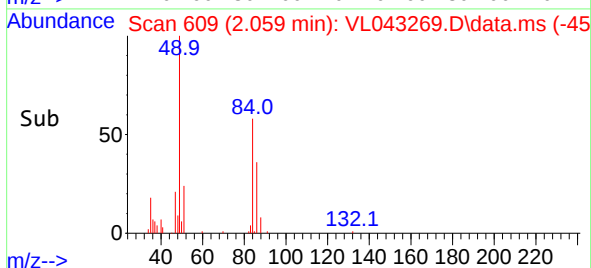
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Supervised By :Mahesh Dadoda 11/21/2025

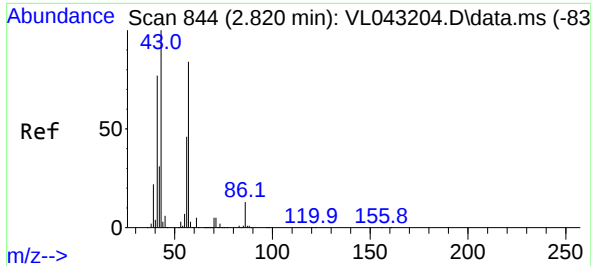


#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27



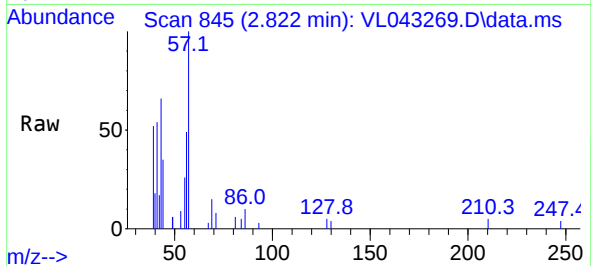
Tgt Ion: 84 Resp: 3916
Ion Ratio Lower Upper
84 100
49 171.4 132.9 199.3
51 41.7 34.8 52.2
86 61.9 48.2 72.2





#26
Hexane
Concen: 0.130 ppbv
RT: 2.822 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

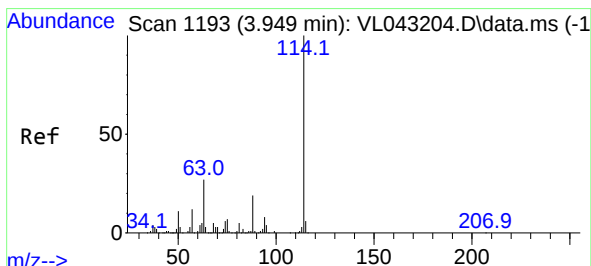
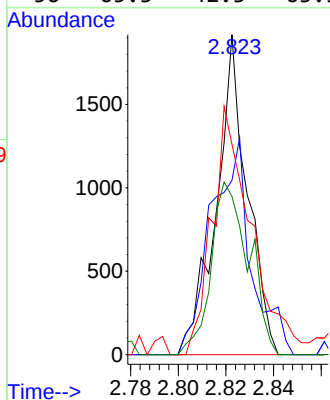
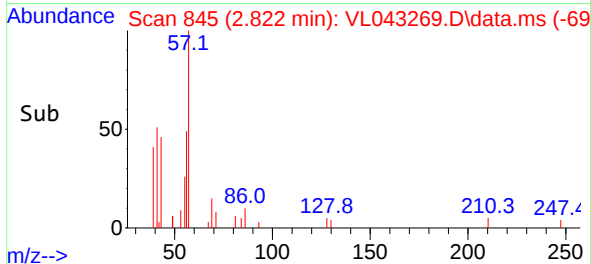
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



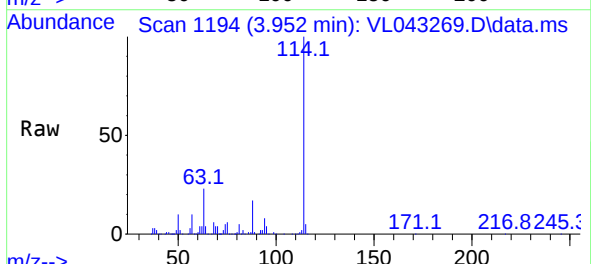
Tgt Ion: 57 Resp: 1739
Ion Ratio Lower Upper
57 100
41 87.6 74.6 111.8
43 106.2 179.0 268.4
56 65.3 42.3 63.5#

Manual Integrations
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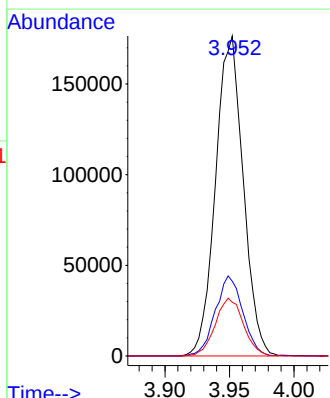
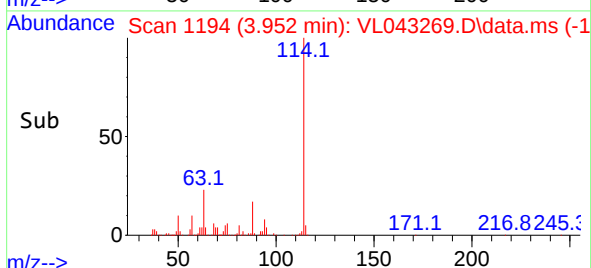
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Supervised By :Mahesh Dadoda 11/21/2025

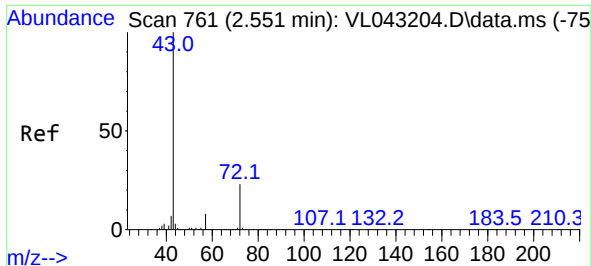


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27



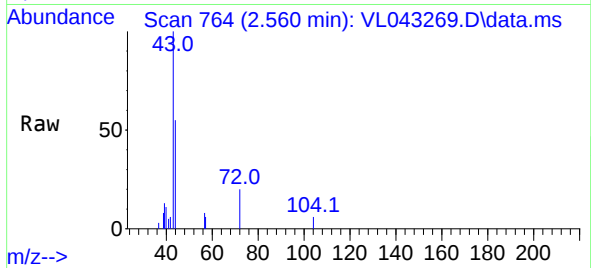
Tgt Ion:114 Resp: 262812
Ion Ratio Lower Upper
114 100
63 24.9 21.0 31.6
88 18.4 14.9 22.3





#34
2-Butanone
Concen: 0.122 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.009 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

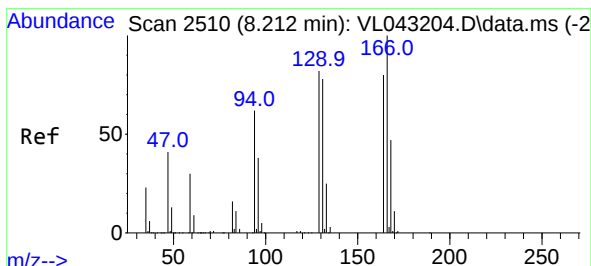
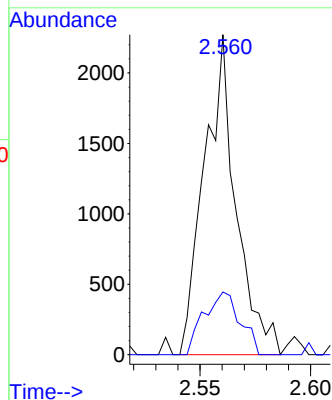
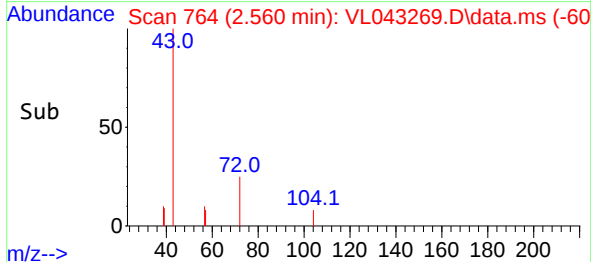
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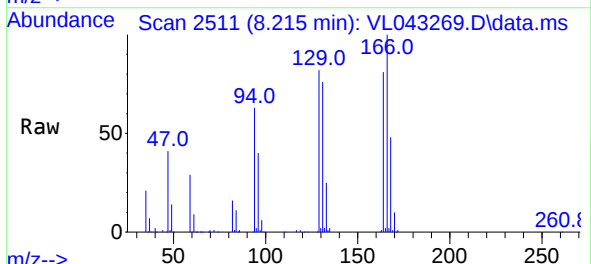
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
72 22.4 18.1 27.1

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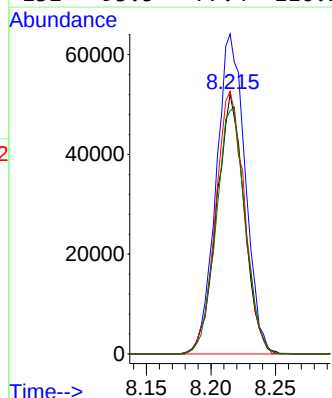
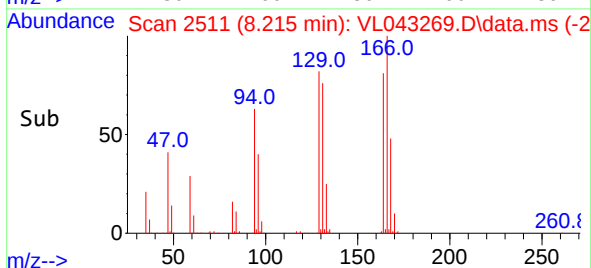
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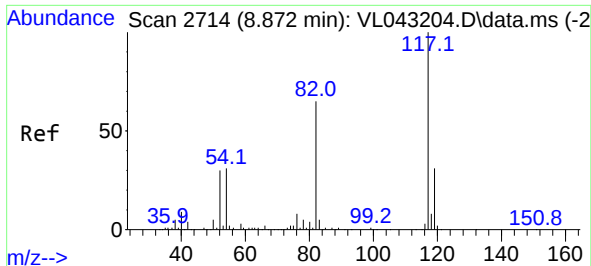


#52
Tetrachloroethene
Concen: 8.272 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27



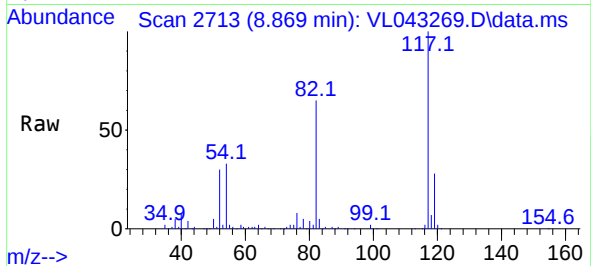
Tgt Ion:164 Resp: 77443
Ion Ratio Lower Upper
164 100
166 123.1 99.4 149.2
129 101.1 81.8 122.8
131 93.5 77.4 116.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

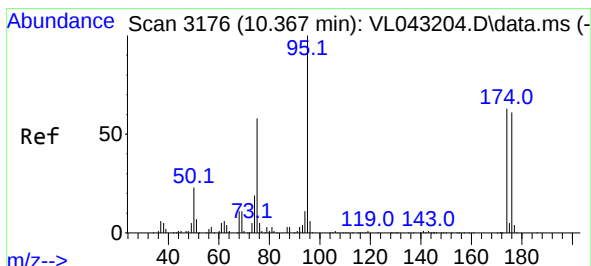
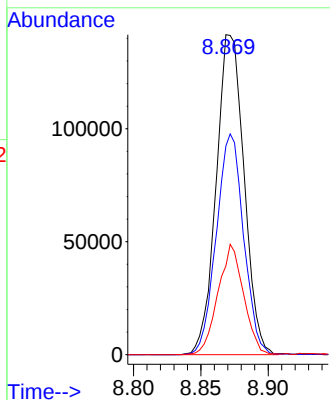
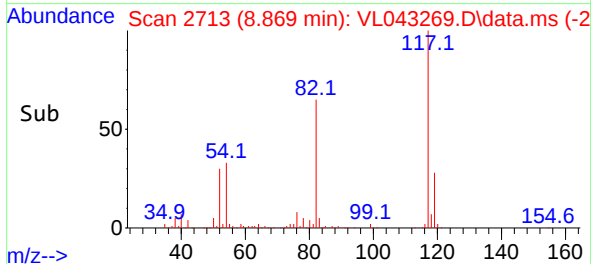
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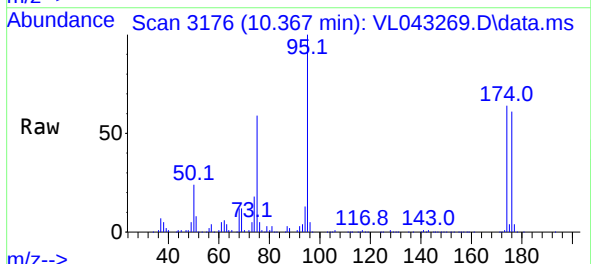
Tgt Ion:117 Resp: 203972
Ion Ratio Lower Upper
117 100
82 67.6 56.1 84.1
119 31.8 25.0 37.6

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.619 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27



Tgt Ion: 95 Resp: 143816
Ion Ratio Lower Upper
95 100
174 66.1 50.2 75.2
175 4.9 4.1 6.1

