

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043247.D
 Acq On : 19 Nov 2025 19:52
 Operator : SY/MD
 Sample : Q3626-12DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1DL

Quant Time: Nov 20 00:09:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.780	49	102231	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	281627	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	224034	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159151	9.691	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
						Qvalue
13) Ethanol	1.716	45	36573	17.273	ppbv	99
15) Acetone	1.829	43	1127186	79.361	ppbv	96
17) tert-Butyl alcohol	2.036	59	8013	0.430	ppbv #	87
26) Hexane	2.813	57	1392m	0.104	ppbv	
34) 2-Butanone	2.554	43	9311	0.468	ppbv	96
40) 1,4-Dioxane	4.599	88	1139m	0.257	ppbv	
50) 4-Methyl-2-Pentanone	5.745	43	4169m	0.149	ppbv	
52) Tetrachloroethene	8.215	164	2304	0.230	ppbv #	79

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

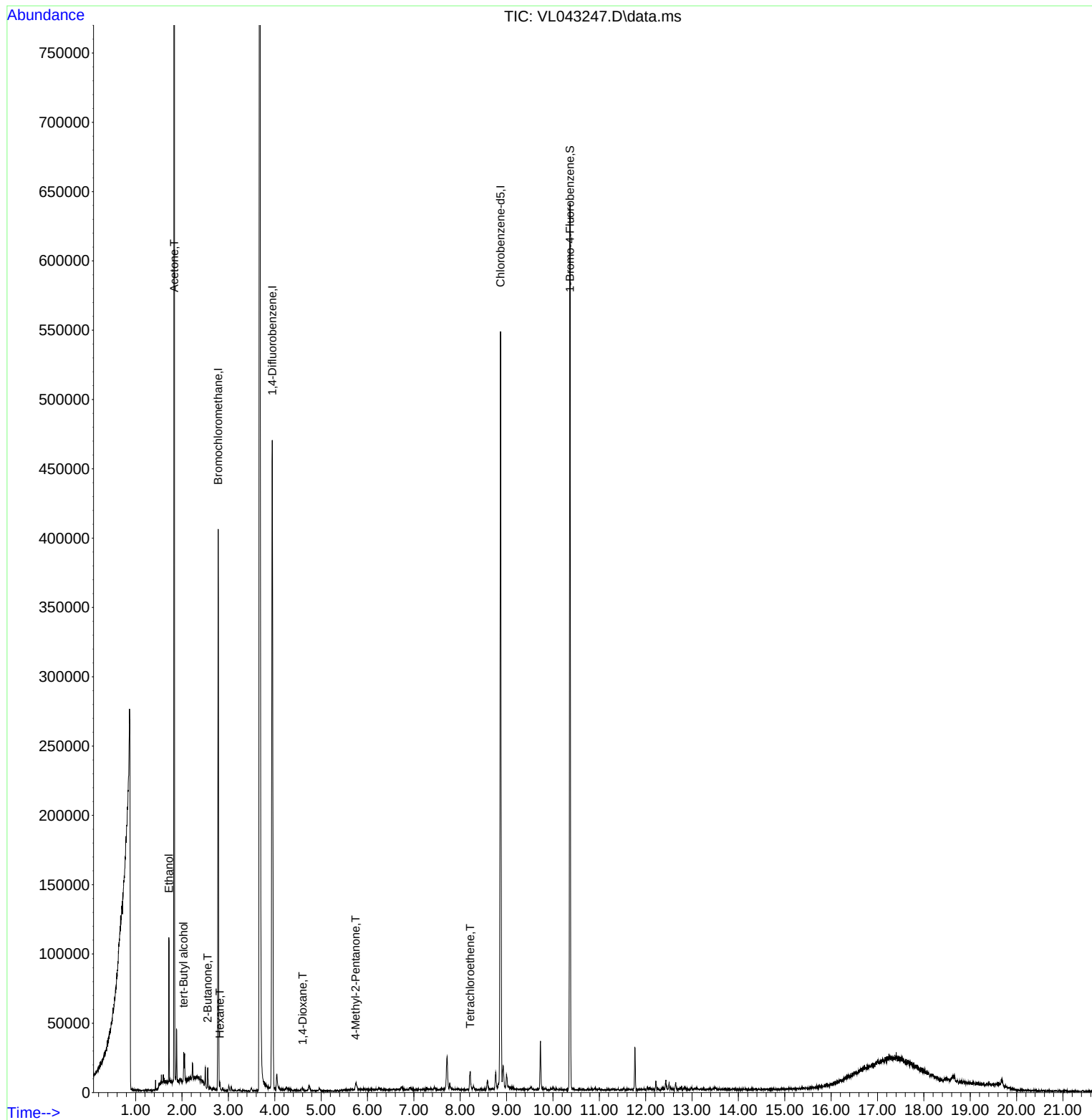
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
Data File : VL043247.D
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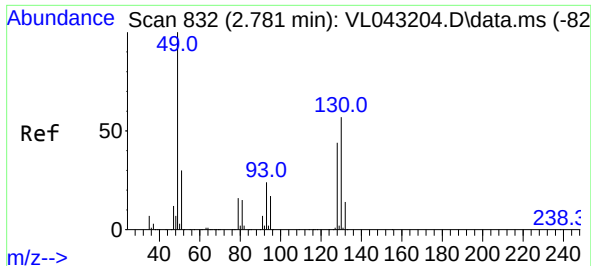
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL

Quant Time: Nov 20 00:09:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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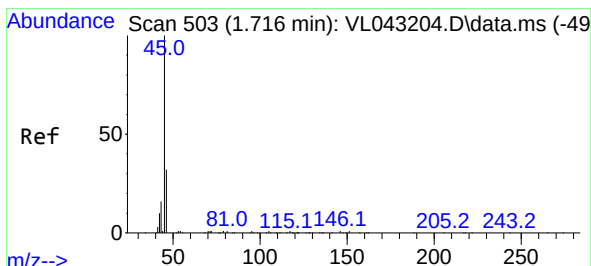
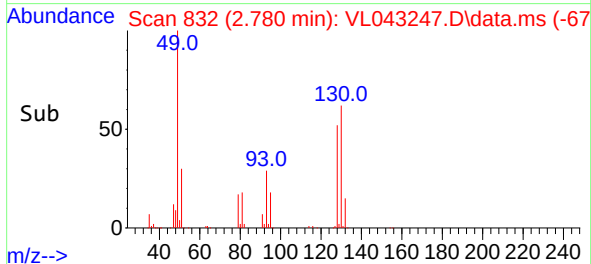
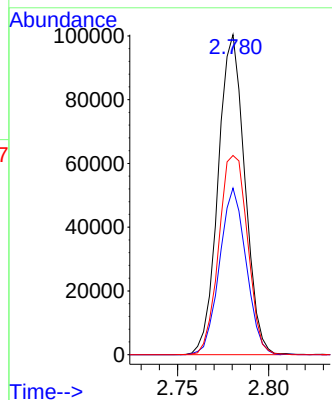
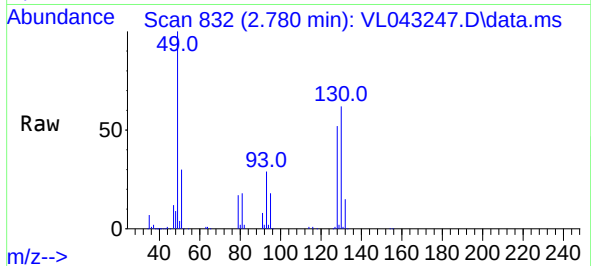
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL

Tgt Ion: 49 Resp: 10223
Ion Ratio Lower Upper
49 100
128 51.8 23.0 69.0
130 67.0 29.9 89.7

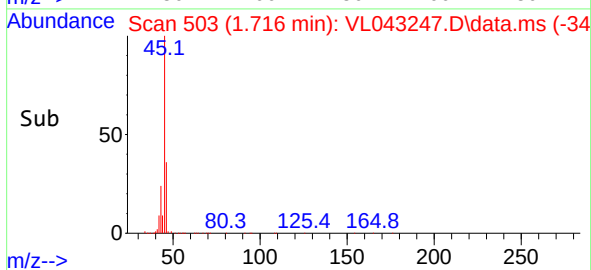
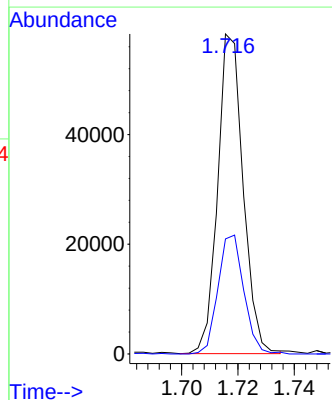
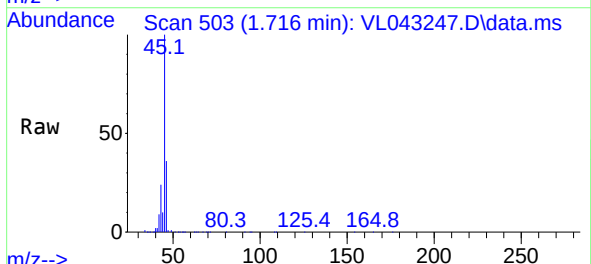
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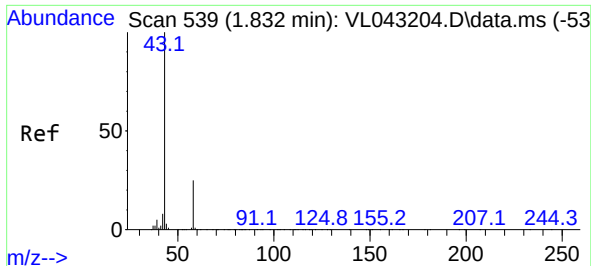
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Supervised By :Mahesh Dadoda 11/21/2025



#13
Ethanol
Concen: 17.273 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

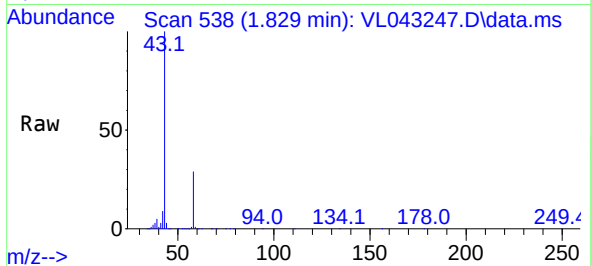
Tgt Ion: 45 Resp: 36573
Ion Ratio Lower Upper
45 100
46 37.9 15.0 59.8





#15
Acetone
Concen: 79.361 ppbv
RT: 1.829 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

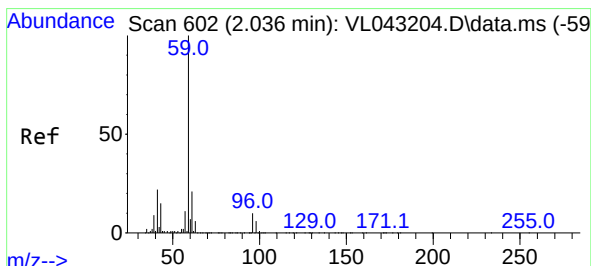
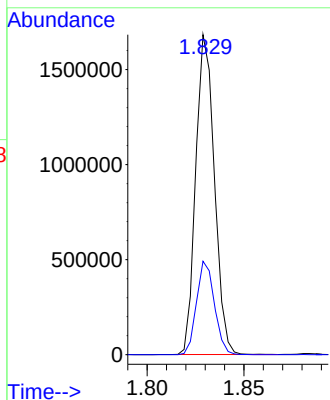
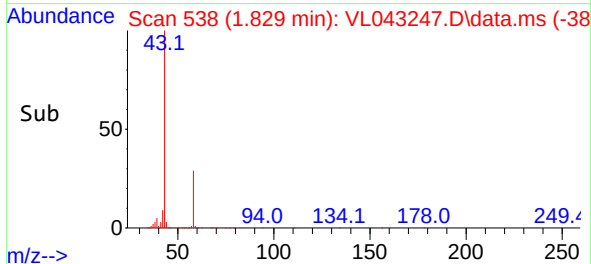
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL



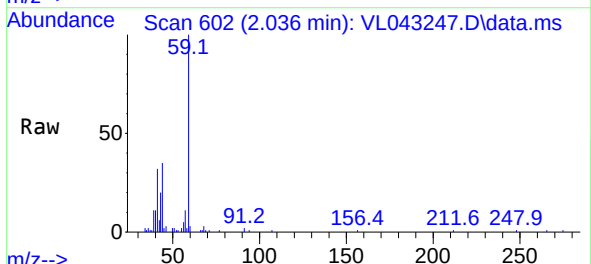
Tgt Ion: 43 Resp: 1127180
Ion Ratio Lower Upper
43 100
58 28.1 20.7 31.1

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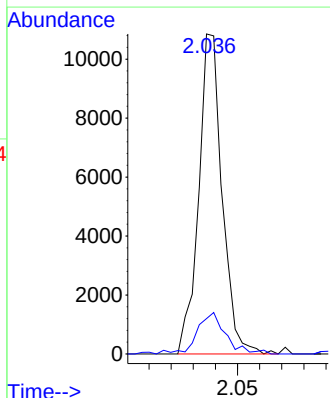
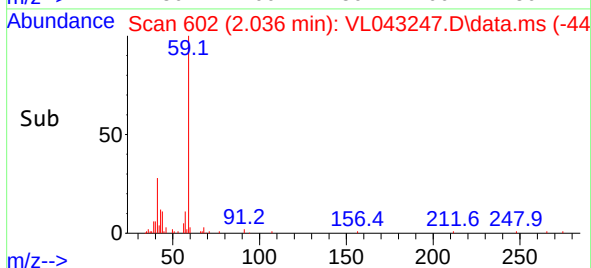
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Supervised By :Mahesh Dadoda 11/21/2025

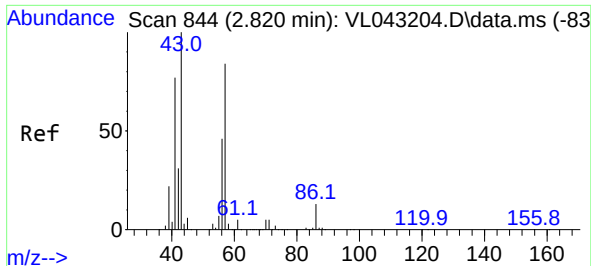


#17
tert-Butyl alcohol
Concen: 0.430 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52



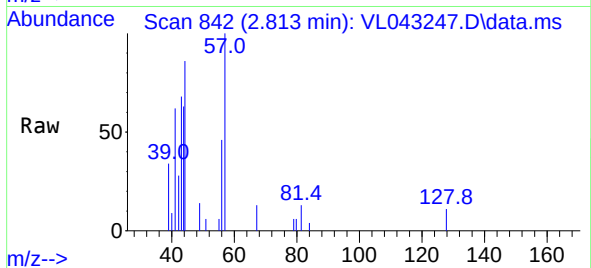
Tgt Ion: 59 Resp: 8013
Ion Ratio Lower Upper
59 100
57 16.0 9.0 13.4#





#26
Hexane
Concen: 0.104 ppbv m
RT: 2.813 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

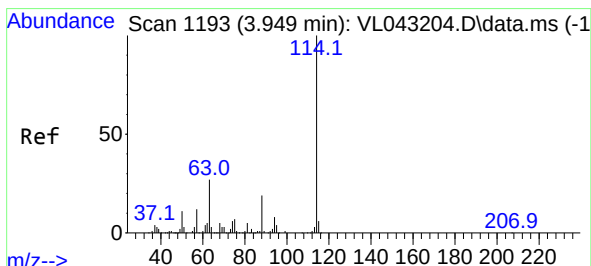
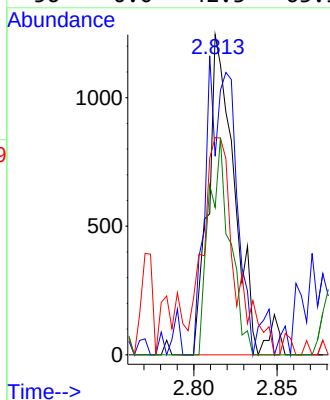
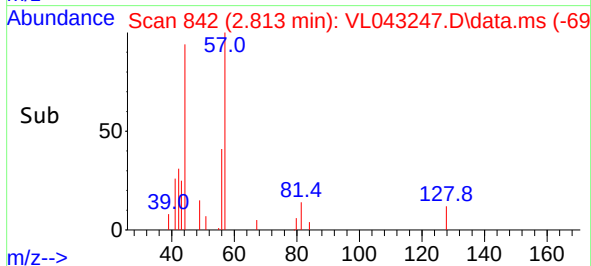
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1DL



Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.6	111.8
43	0.0	179.0	268.4
56	0.0	42.3	63.5

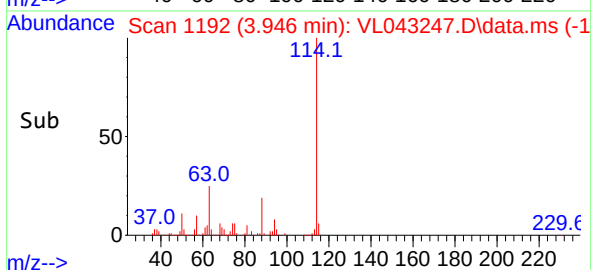
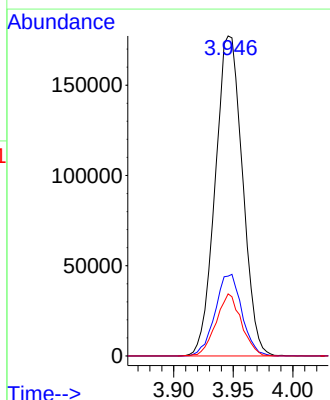
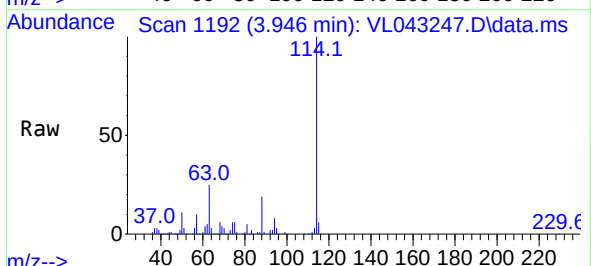
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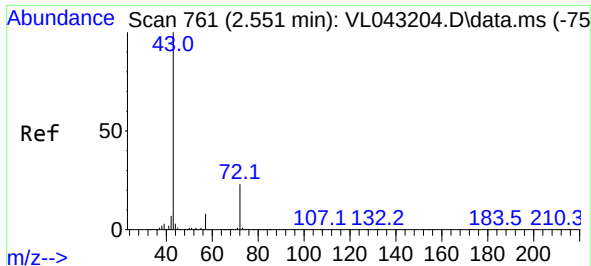
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.004 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

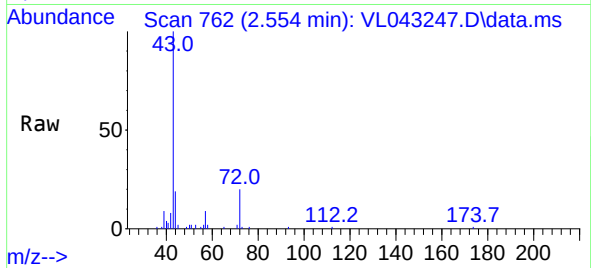
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	18.0	14.9	22.3





#34
2-Butanone
Concen: 0.468 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

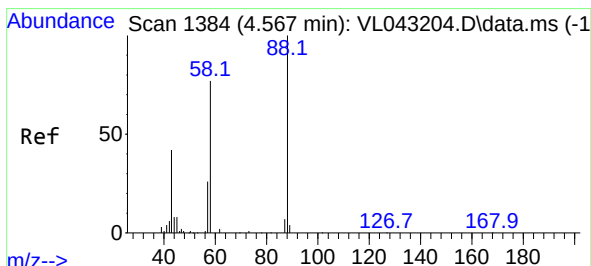
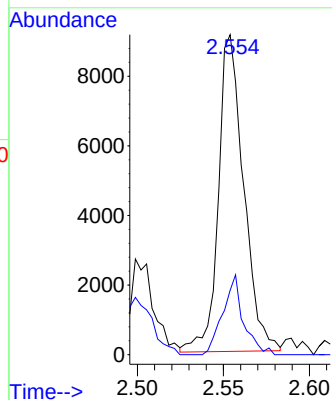
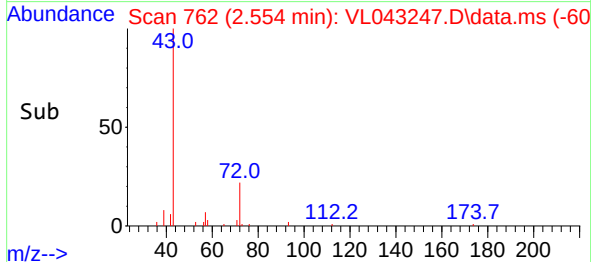
Instrument :
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ClientSampleId :
16-SG-1DL



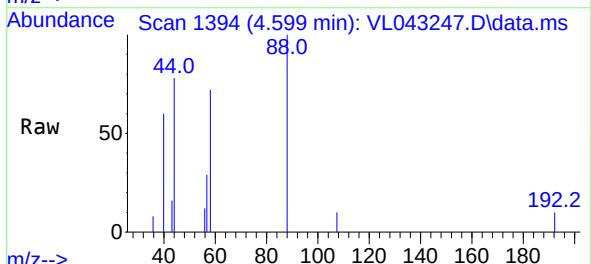
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
72 20.5 18.1 27.1

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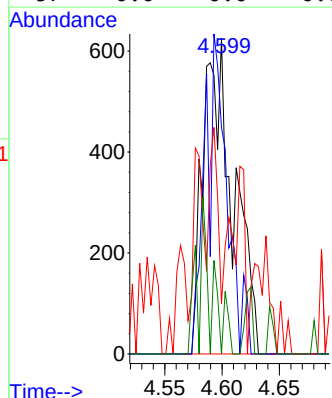
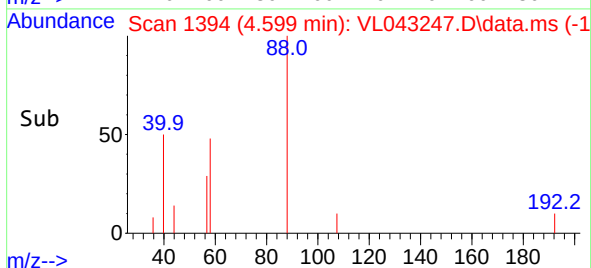
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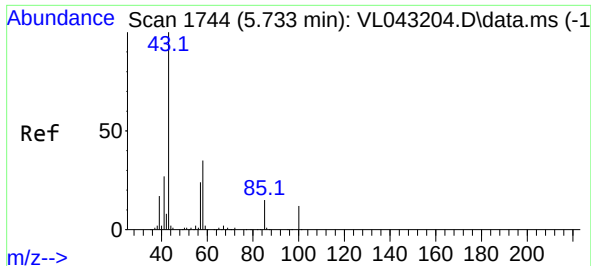


#40
1,4-Dioxane
Concen: 0.257 ppbv m
RT: 4.599 min Scan# 1394
Delta R.T. 0.032 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52



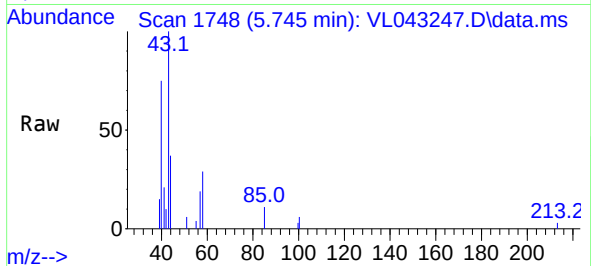
Tgt Ion: 88 Resp: 1139
Ion Ratio Lower Upper
88 100
58 0.0 63.0 94.6#
43 0.0 32.5 48.7#
57 0.0 0.0 0.0





#50
4-Methyl-2-Pentanone
Concen: 0.149 ppbv
RT: 5.745 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

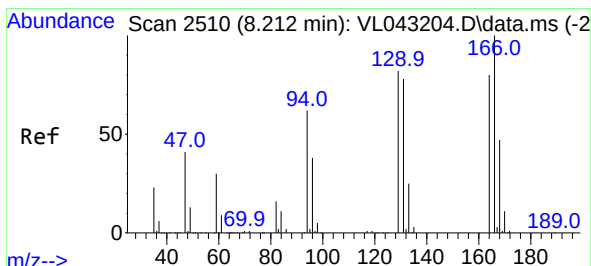
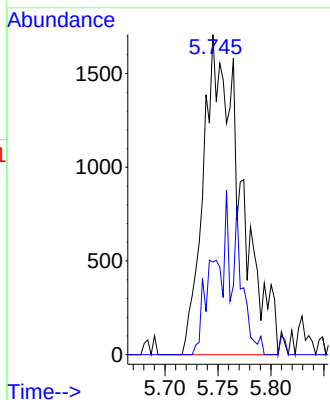
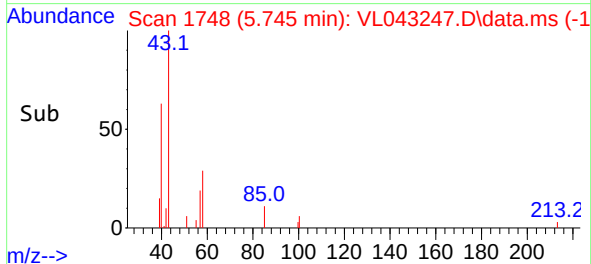
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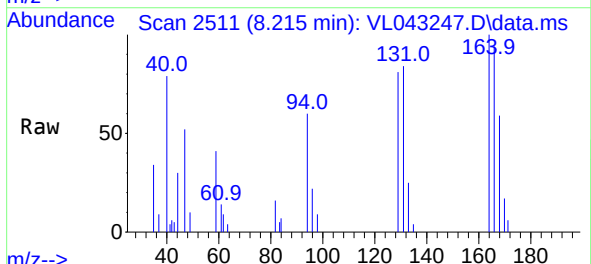
Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
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58 0.0 28.4 42.6

Manual Integrations
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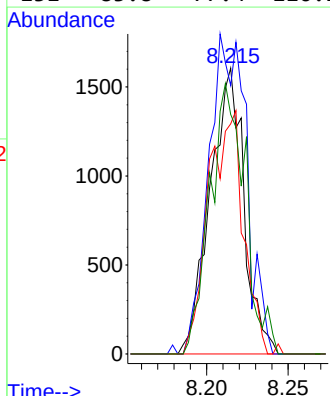
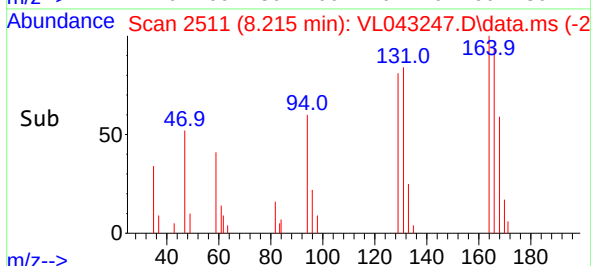
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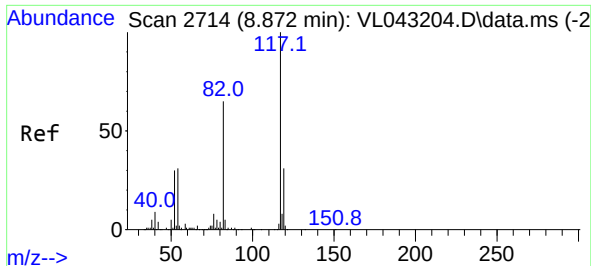


#52
Tetrachloroethene
Concen: 0.230 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52



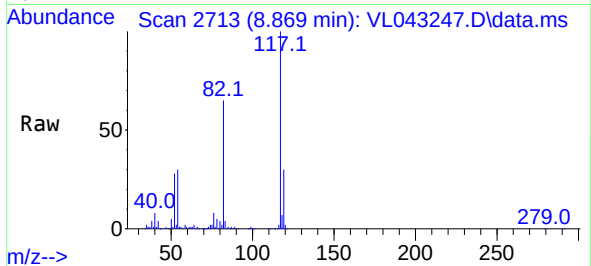
Tgt Ion:164 Resp: 2304
Ion Ratio Lower Upper
164 100
166 94.0 99.4 149.2#
129 80.5 81.8 122.8#
131 83.8 77.4 116.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2117
Delta R.T. -0.004 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52

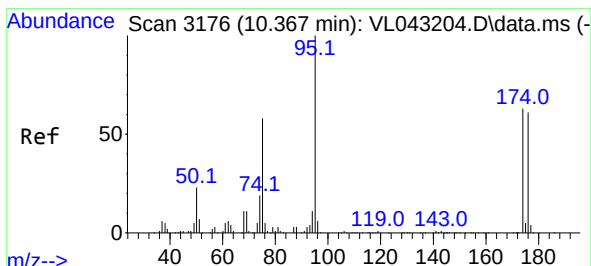
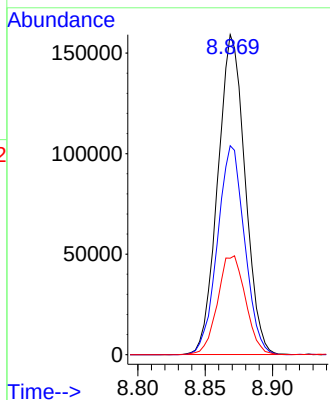
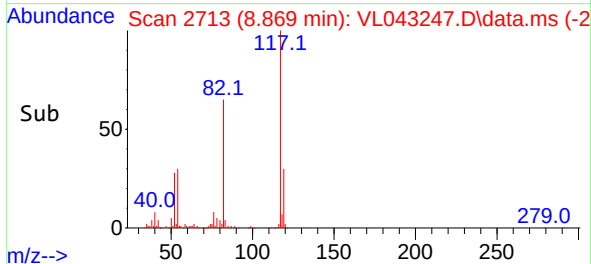
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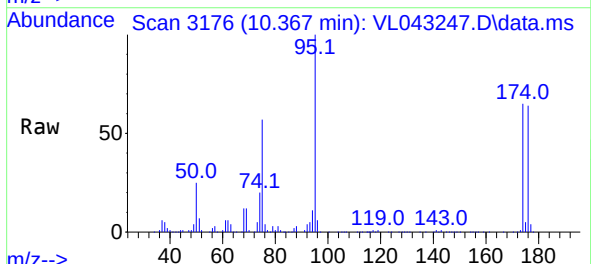
Tgt Ion:117 Resp: 224034
Ion Ratio Lower Upper
117 100
82 65.2 56.1 84.1
119 31.8 25.0 37.6

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.691 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043247.D
Acq: 19 Nov 2025 19:52



Tgt Ion: 95 Resp: 159151
Ion Ratio Lower Upper
95 100
174 66.1 50.2 75.2
175 4.8 4.1 6.1

