

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032434.D
 Acq On : 11 Nov 2025 16:27
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 03:52:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

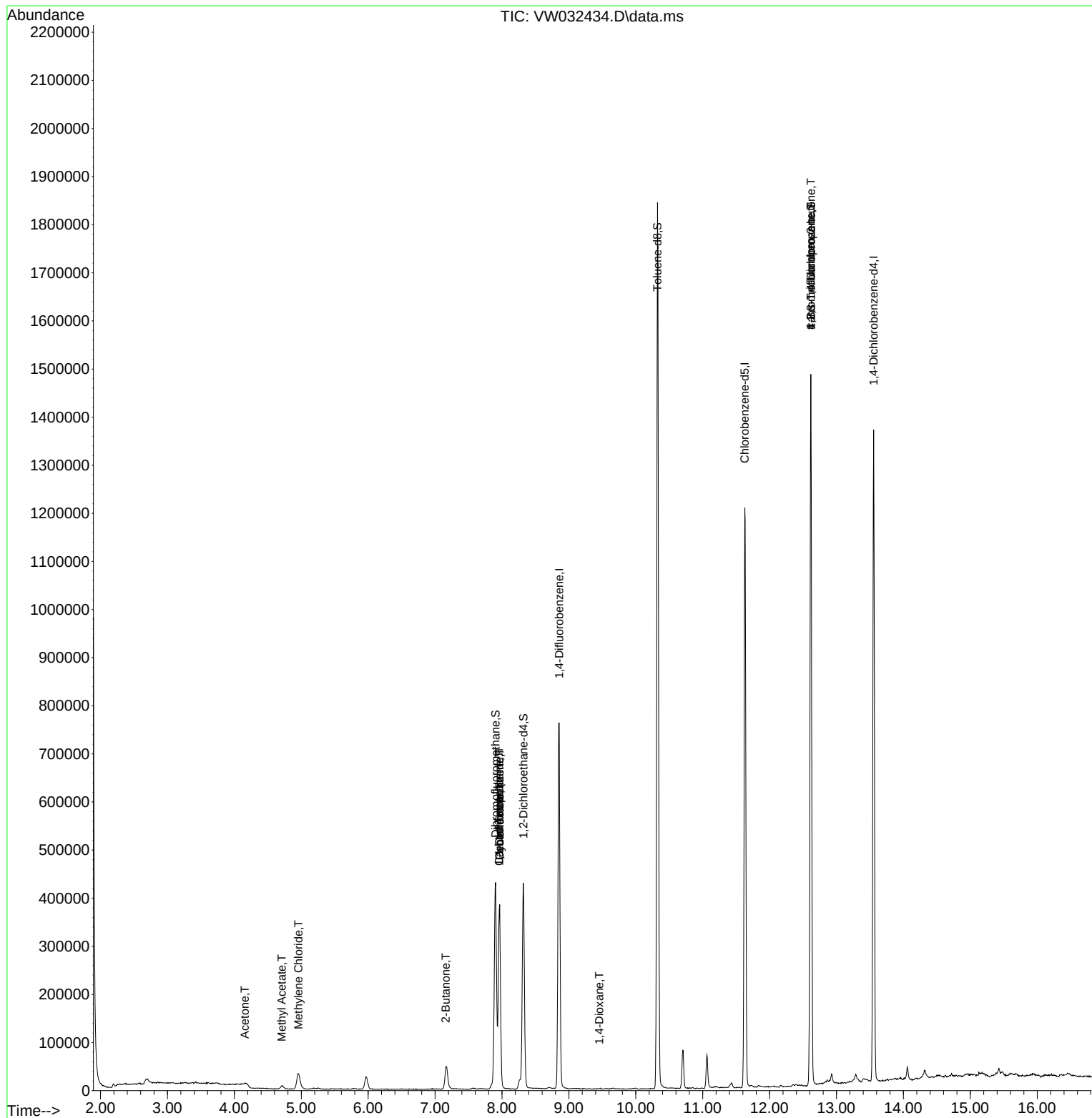
Internal Standards						
1) Pentafluorobenzene	7.965	168	271437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	658332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	678004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	349743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	342930	97.995	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 195.980%#		
35) Dibromofluoromethane	7.904	113	319522	81.064	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 162.120%#		
50) Toluene-d8	10.325	98	1194107	78.969	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 157.940%#		
62) 4-Bromofluorobenzene	12.617	95	548757	96.067	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 192.140%#		
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	2050	1.958	ug/l	95
18) Methyl Acetate	4.710	43	14003	5.401	ug/l	99
20) Methylene Chloride	4.960	84	28309	7.561	ug/l	97
25) 2-Butanone	7.161	43	3157	2.047	ug/l #	80
31) Cyclohexane	7.965	56	6842	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	24778	4.267	ug/l #	49
38) Carbon Tetrachloride	7.959	117	29833	5.781	ug/l #	17
49) 1,4-Dioxane	9.453	88	94	2.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	275408	57.430	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	275408	131.540	ug/l #	11

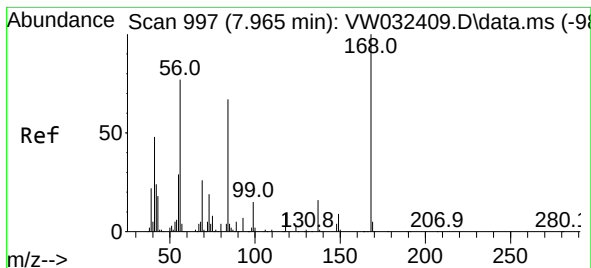
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
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QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 997

Delta R.T. 0.000 min

Lab File: VW032434.D

Acq: 11 Nov 2025 16:27

Instrument :

MSVOA_W

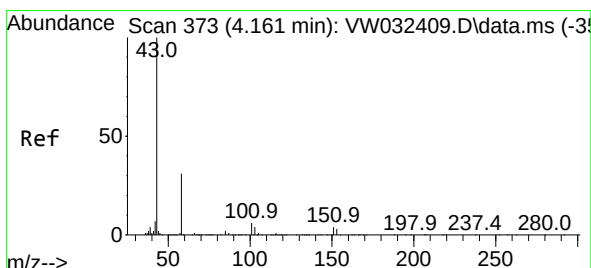
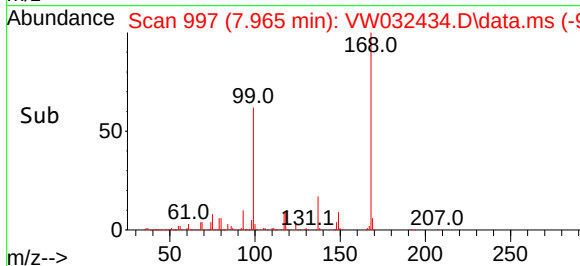
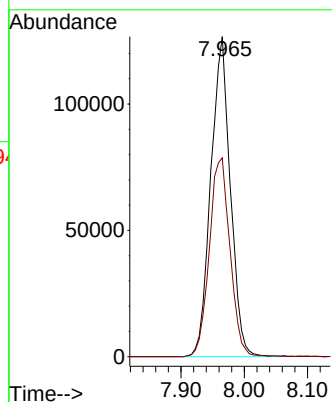
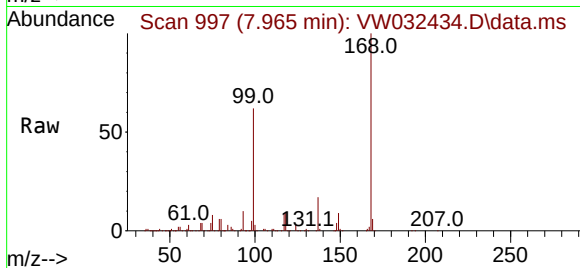
ClientSampleId :

Tgt Ion:168 Resp: 271437

Ion Ratio Lower Upper

168 100

99 62.2 45.4 68.2



#16

Acetone

Concen: 1.958 ug/l

RT: 4.155 min Scan# 372

Delta R.T. -0.006 min

Lab File: VW032434.D

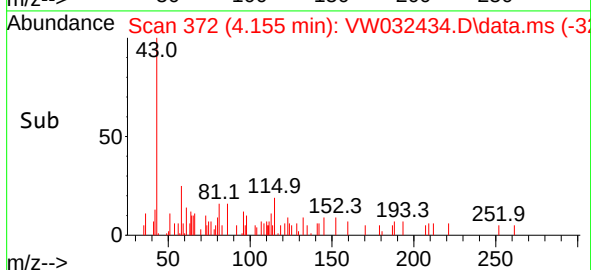
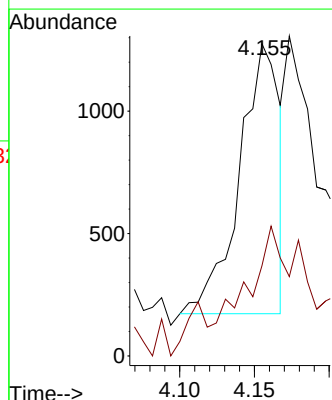
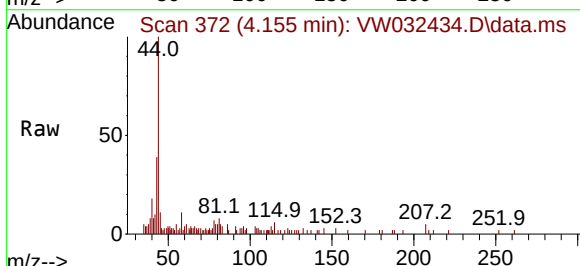
Acq: 11 Nov 2025 16:27

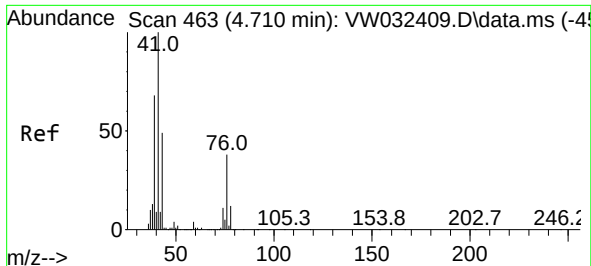
Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

58 28.0 24.8 37.2

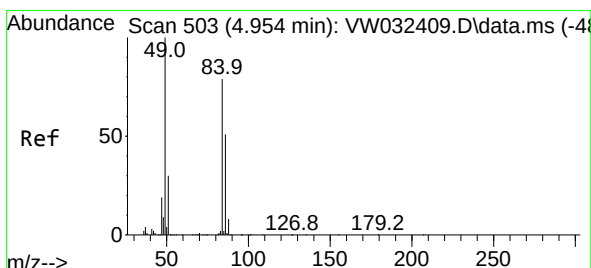
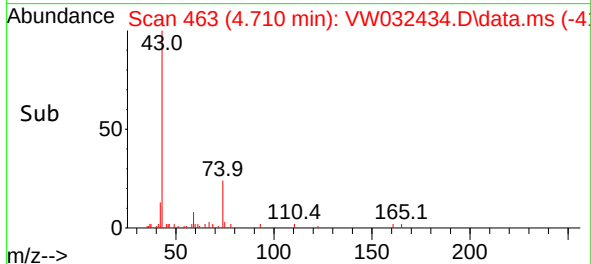
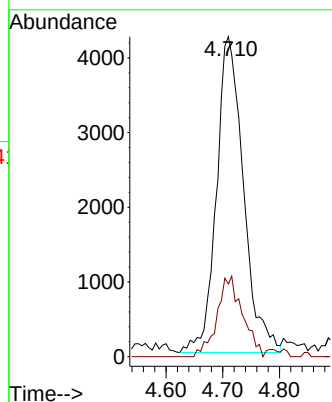
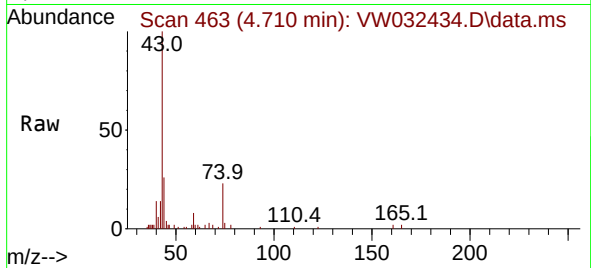




#18
Methyl Acetate
Concen: 5.401 ug/l
RT: 4.710 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

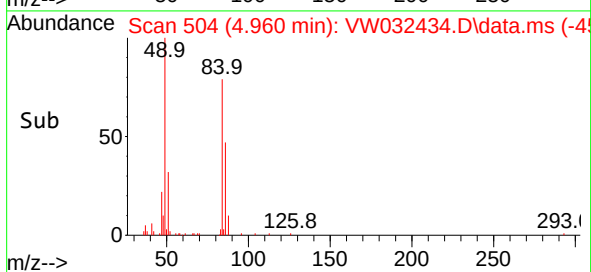
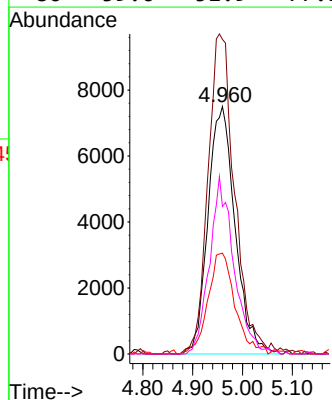
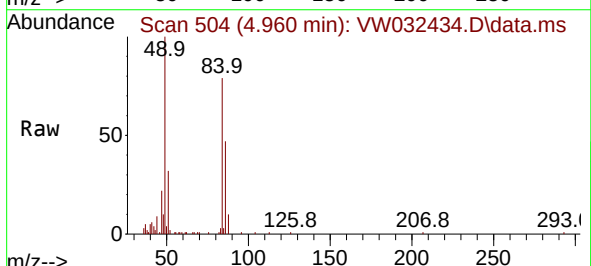
Instrument :
MSVOA_W
ClientSampleId :

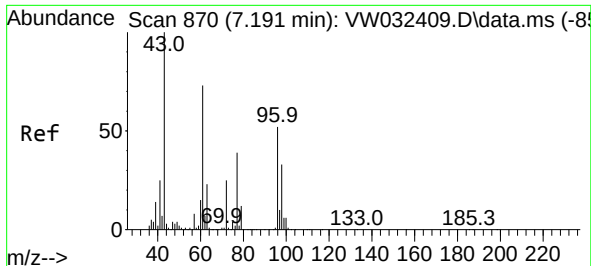
Tgt Ion: 43 Resp: 14003
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3



#20
Methylene Chloride
Concen: 7.561 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

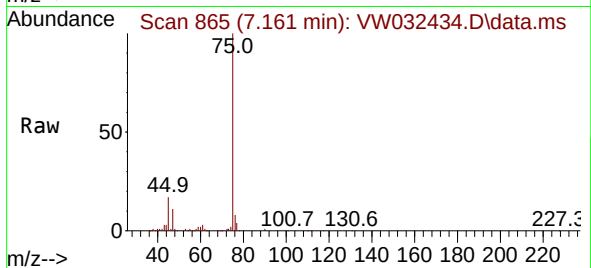
Tgt Ion: 84 Resp: 28309
Ion Ratio Lower Upper
84 100
49 127.1 101.5 152.3
51 40.7 30.6 46.0
86 59.6 51.9 77.9



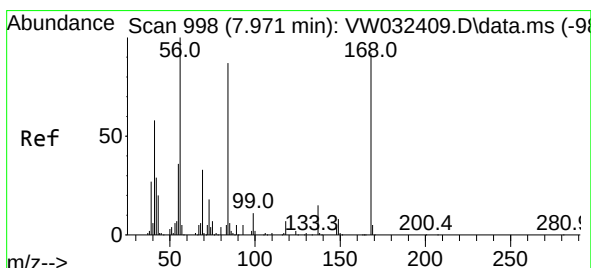
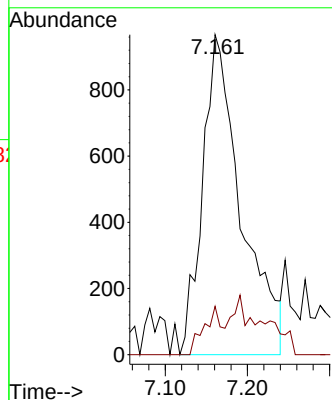
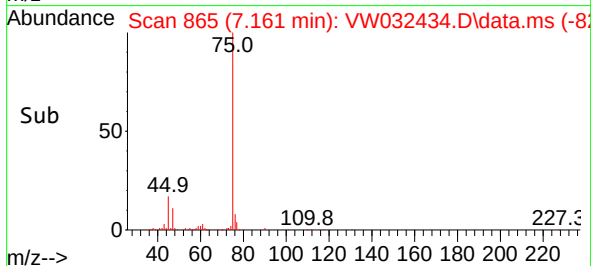


#25
2-Butanone
Concen: 2.047 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.030 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

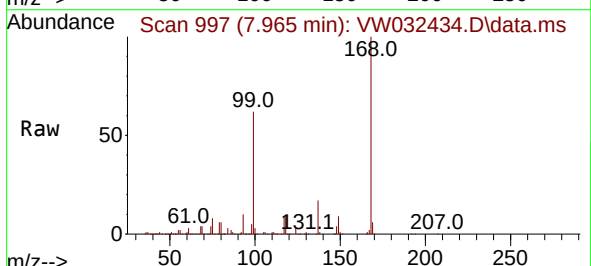
Instrument :
MSVOA_W
ClientSampleId :



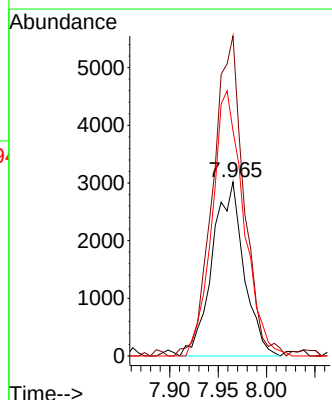
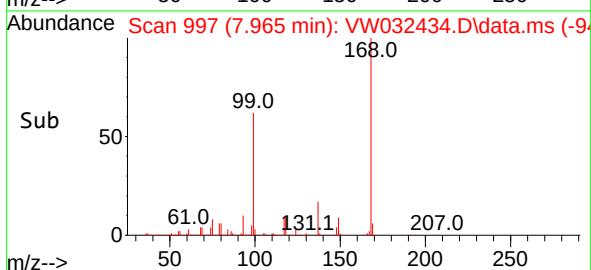
Tgt Ion: 43 Resp: 3157
Ion Ratio Lower Upper
43 100
72 15.1 20.0 30.0#

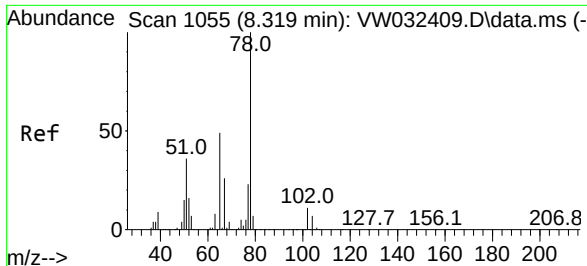


#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27



Tgt Ion: 56 Resp: 6842
Ion Ratio Lower Upper
56 100
69 180.2 26.5 39.7#
84 126.5 69.6 104.4#

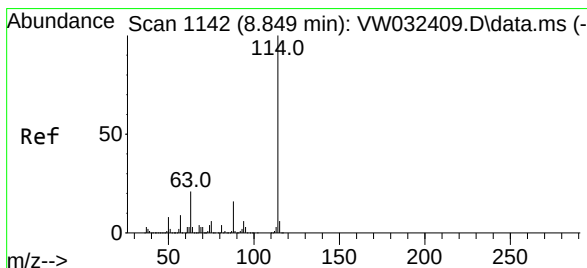
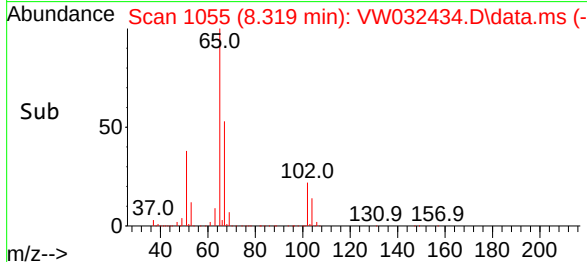
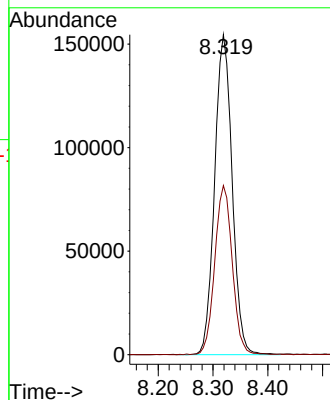
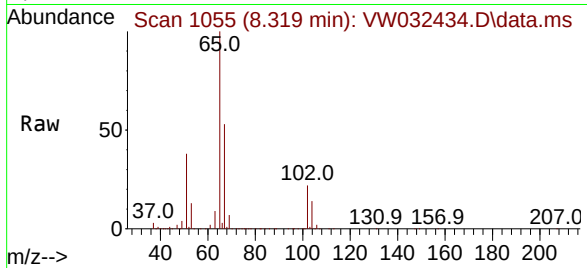




#33
 1,2-Dichloroethane-d4
 Concen: 97.995 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032434.D
 Acq: 11 Nov 2025 16:27

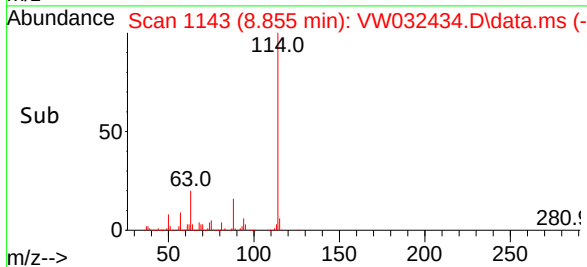
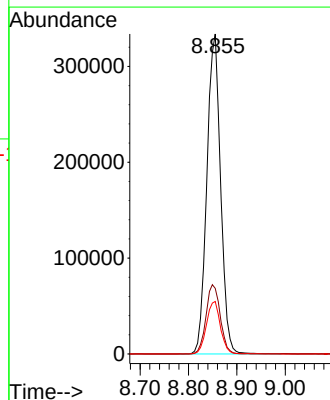
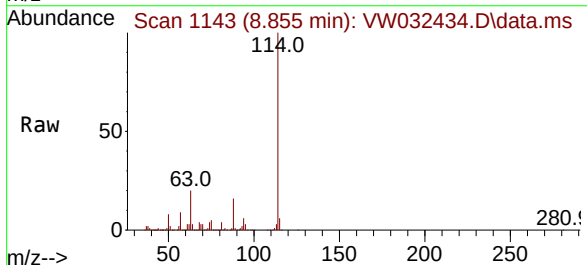
Instrument :
 MSVOA_W
 ClientSampleId :

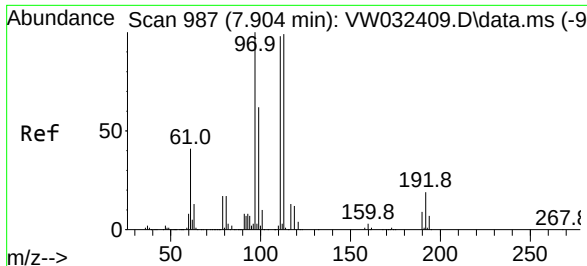
Tgt Ion: 65 Resp: 342930
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032434.D
 Acq: 11 Nov 2025 16:27

Tgt Ion: 114 Resp: 658332
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 16.4 0.0 32.6

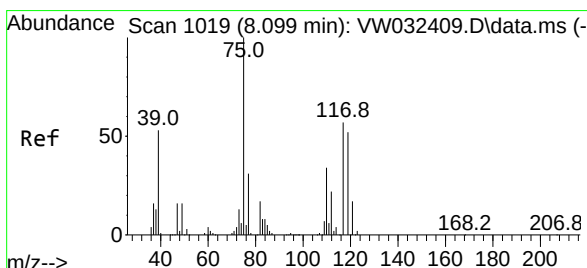
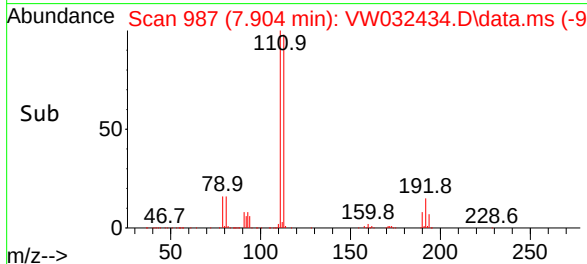
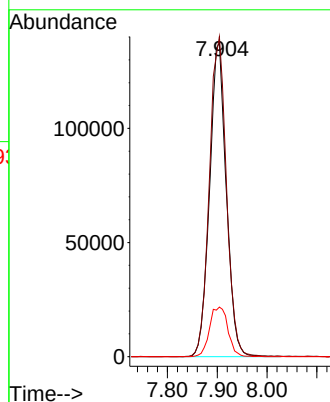
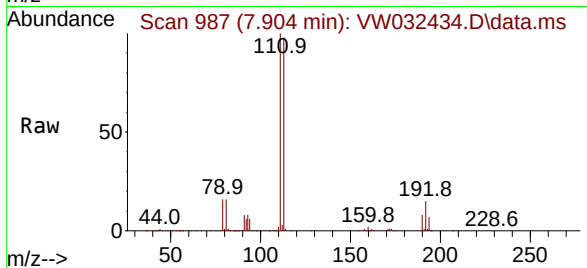




#35
Dibromofluoromethane
Concen: 81.064 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

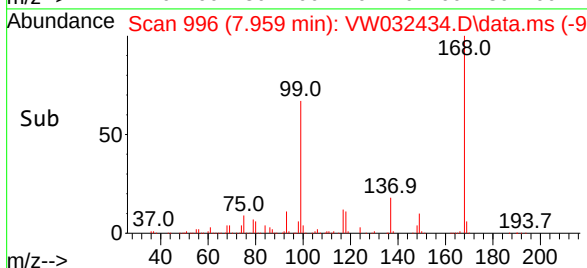
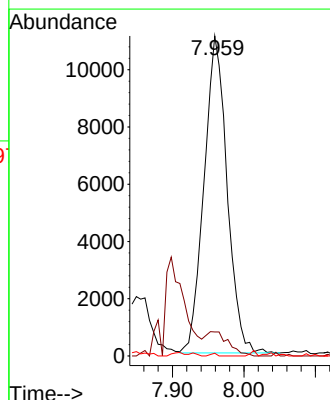
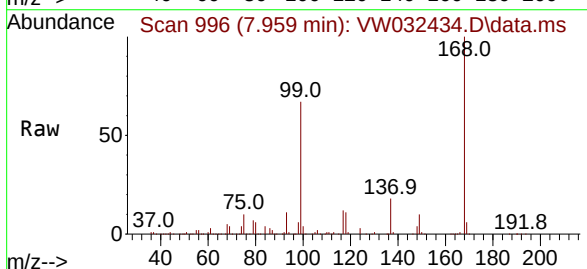
Instrument :
MSVOA_W
ClientSampleId :

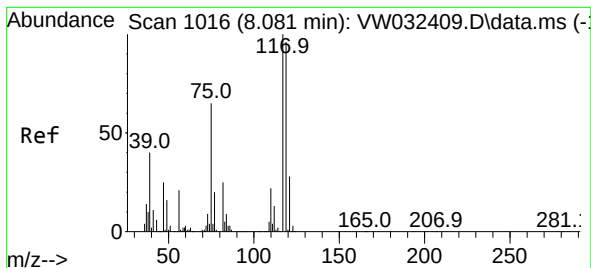
Tgt Ion:113 Resp: 319522
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.4 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion: 75 Resp: 24778
Ion Ratio Lower Upper
75 100
110 7.6 17.2 51.5#
77 0.2 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.781 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

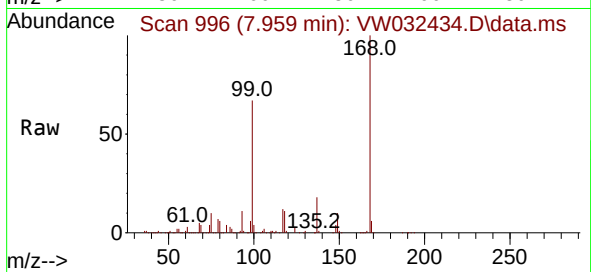
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Acq: 11 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :



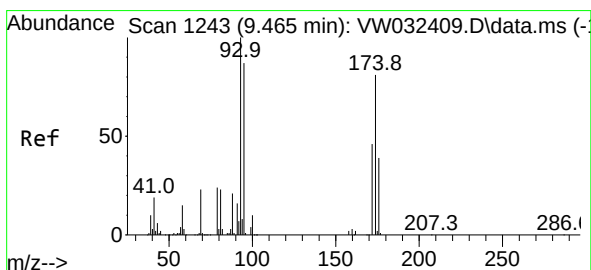
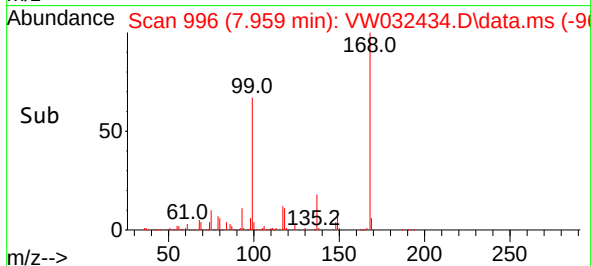
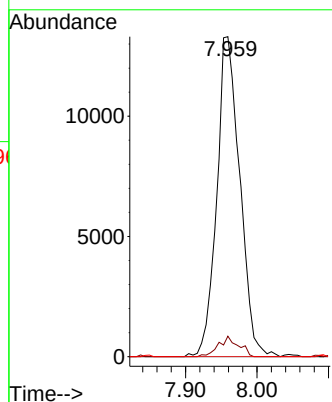
Tgt Ion:117 Resp: 29833

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 2.466 ug/l

RT: 9.453 min Scan# 1241

Delta R.T. -0.012 min

Lab File: VW032434.D

Acq: 11 Nov 2025 16:27

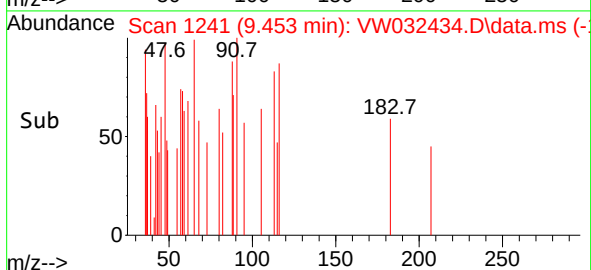
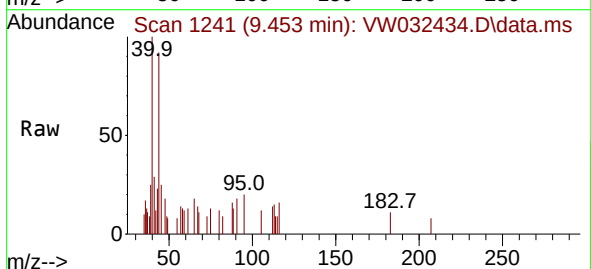
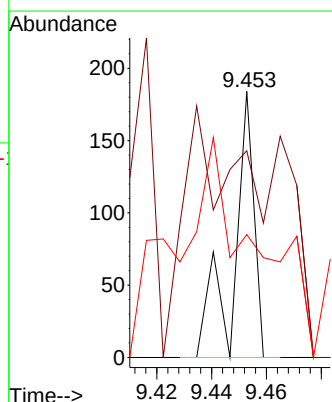
Tgt Ion: 88 Resp: 94

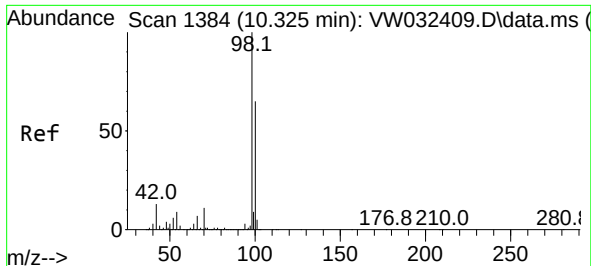
Ion Ratio Lower Upper

88 100

43 193.6 0.0 0.0#

58 348.9 63.0 94.4#

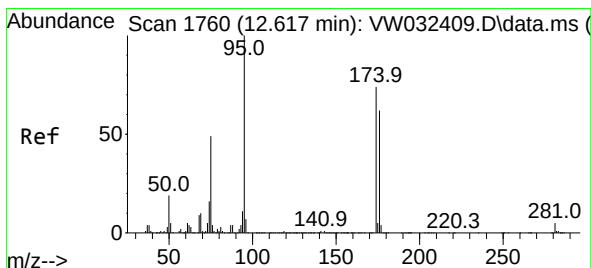
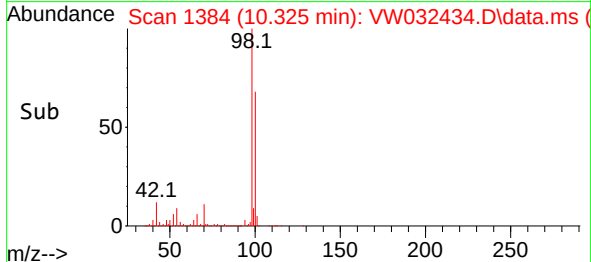
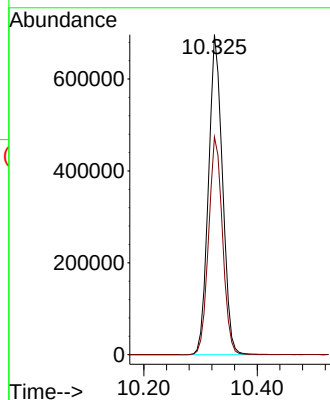
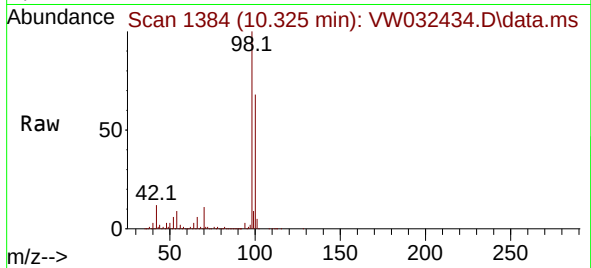




#50
Toluene-d8
Concen: 78.969 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

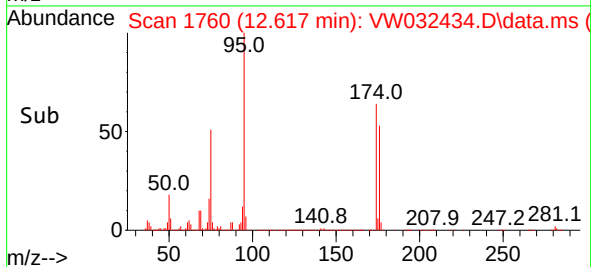
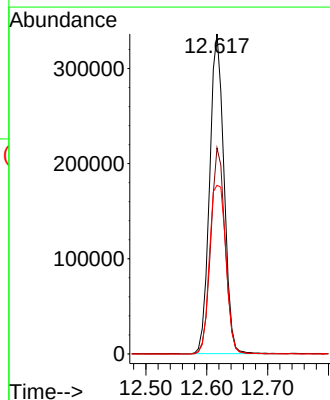
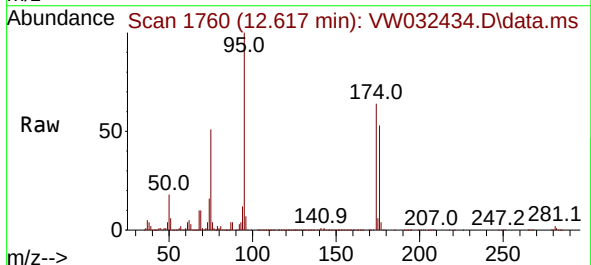
Instrument :
MSVOA_W
ClientSampleId :

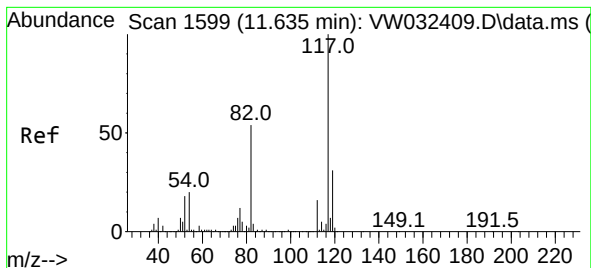
Tgt Ion: 98 Resp: 1194107
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 96.067 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion: 95 Resp: 548757
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.4
176 60.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032434.D

Acq: 11 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :

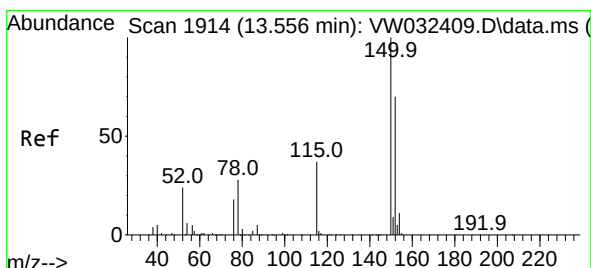
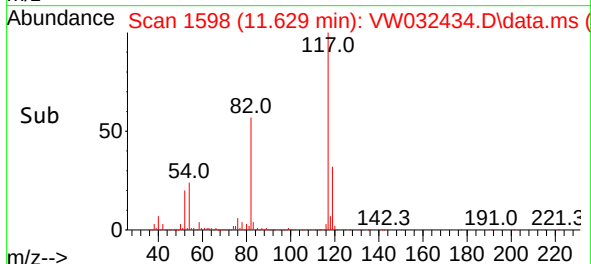
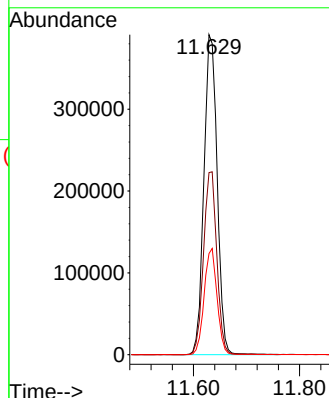
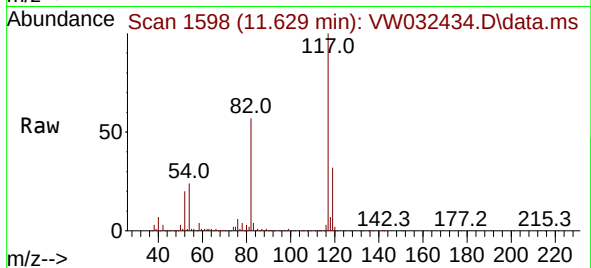
Tgt Ion:117 Resp: 678004

Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.4

119 31.6 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032434.D

Acq: 11 Nov 2025 16:27

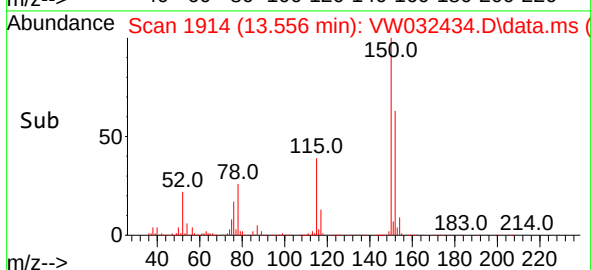
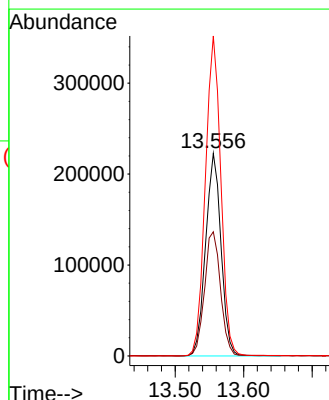
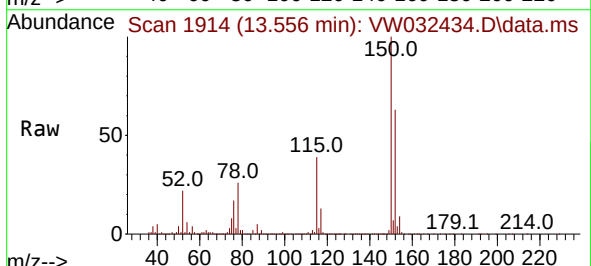
Tgt Ion:152 Resp: 349743

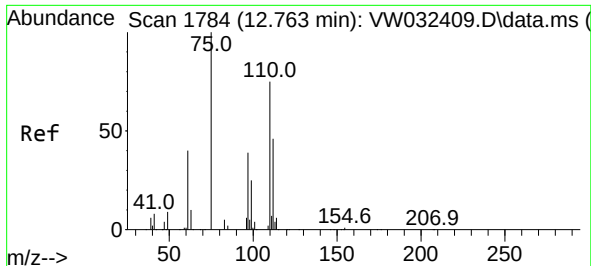
Ion Ratio Lower Upper

152 100

115 63.4 32.8 98.3

150 157.8 0.0 356.6

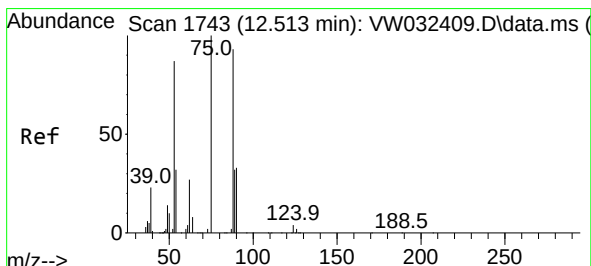
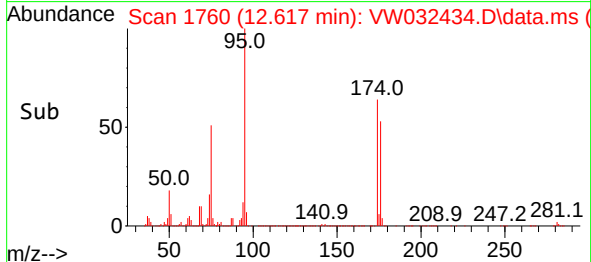
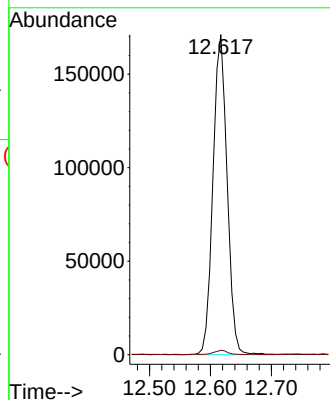
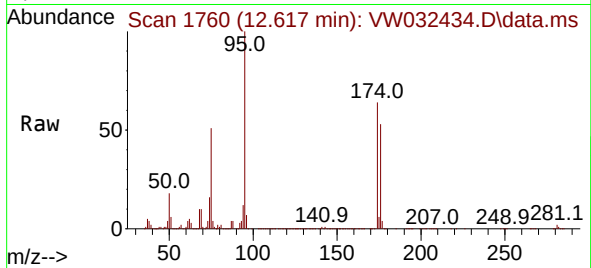




#76
1,2,3-Trichloropropane
Concen: 57.430 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 275408
Ion Ratio Lower Upper
75 100
77 1.2 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.540 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion: 75 Resp: 275408
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 35.6 53.4#

