

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032524.D
 Acq On : 21 Nov 2025 14:33
 Operator : SY/MD
 Sample : Q3699-01
 Misc : 8.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-112025

Quant Time: Nov 26 01:21:50 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)

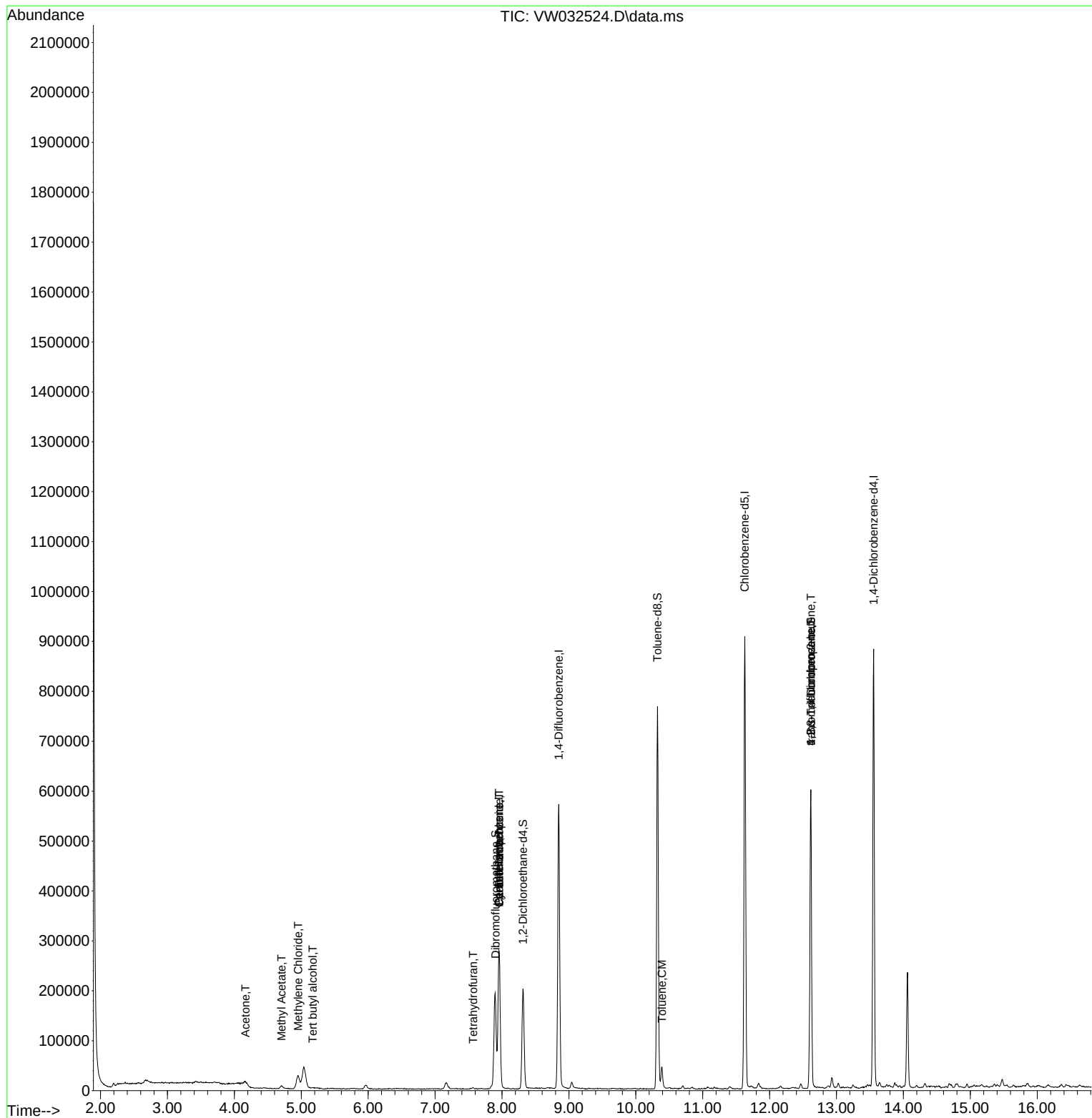
Internal Standards						
1) Pentafluorobenzene	7.953	168	205195	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	485698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	486715	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	223812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	160827	60.794	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 121.580%		
35) Dibromofluoromethane	7.904	113	146758	50.467	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.940%		
50) Toluene-d8	10.325	98	488641	43.801	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 87.600%		
62) 4-Bromofluorobenzene	12.617	95	210101	49.854	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.173	59	1300	5.683	ug/l #	72
16) Acetone	4.167	43	5802	7.331	ug/l #	84
18) Methyl Acetate	4.704	43	11382	5.807	ug/l	96
20) Methylene Chloride	4.954	84	24216	8.556	ug/l	91
29) Tetrahydrofuran	7.569	42	1126	1.521	ug/l #	60
31) Cyclohexane	7.959	56	5596	1.279	ug/l #	16
36) 1,1-Dichloropropene	7.959	75	18244	4.258	ug/l #	42
38) Carbon Tetrachloride	7.959	117	22066	5.796	ug/l #	17
52) Toluene	10.392	92	18269	2.144	ug/l	93
76) 1,2,3-Trichloropropane	12.617	75	105673	34.434	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	105673	78.870	ug/l #	11

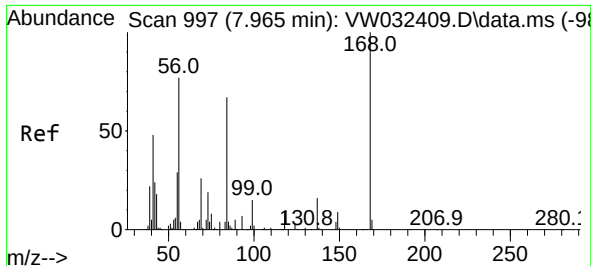
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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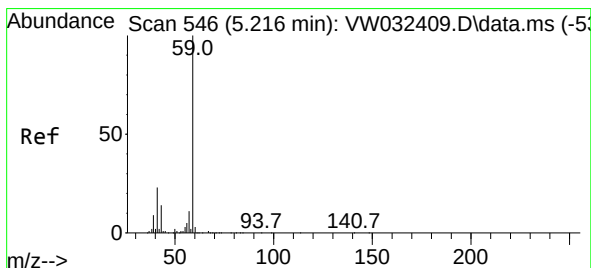
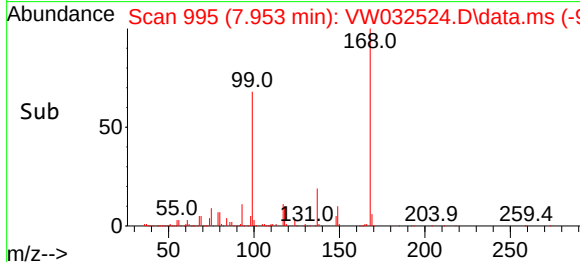
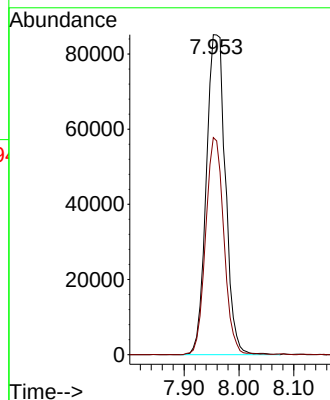
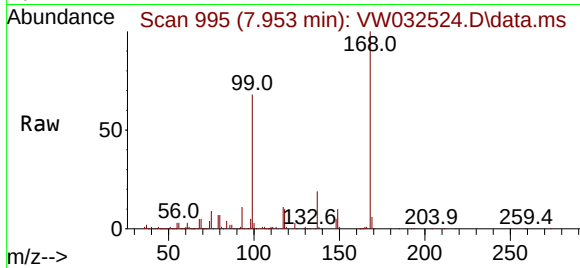




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 997
Delta R.T. -0.012 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

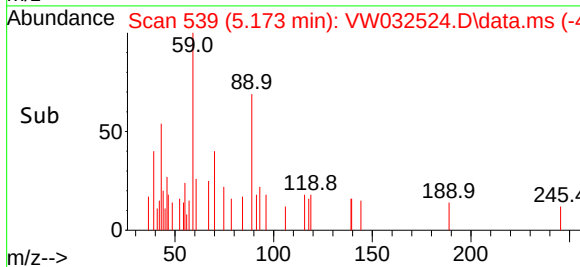
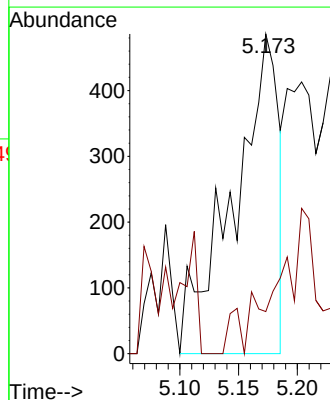
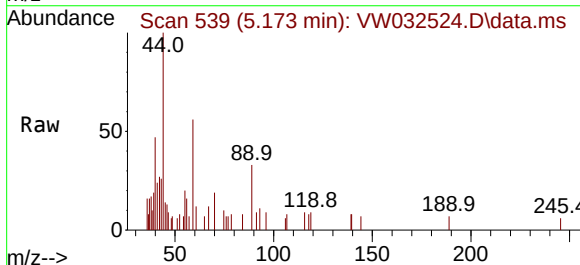
Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

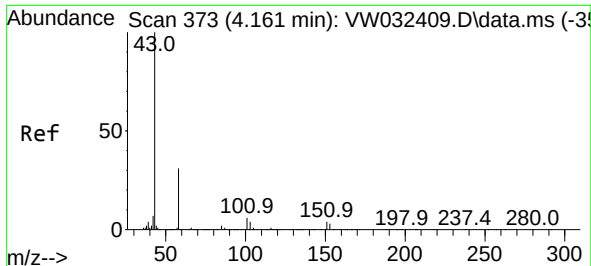
Tgt Ion:168 Resp: 205195
Ion Ratio Lower Upper
168 100
99 67.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 5.683 ug/l
RT: 5.173 min Scan# 539
Delta R.T. -0.043 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 59 Resp: 1300
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

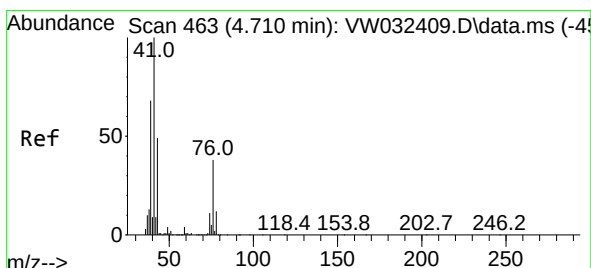
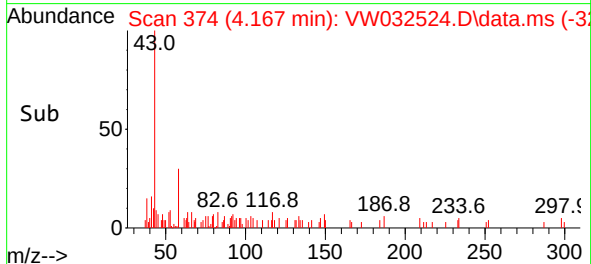
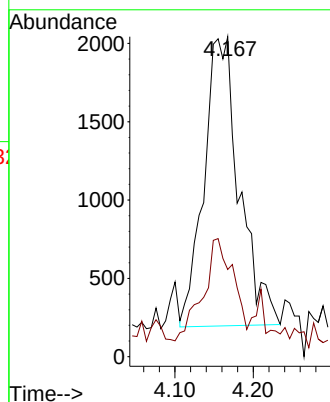
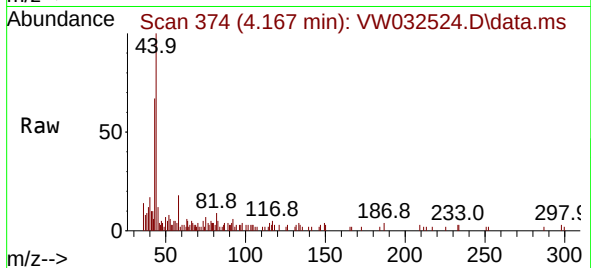




#16
Acetone
Concen: 7.331 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

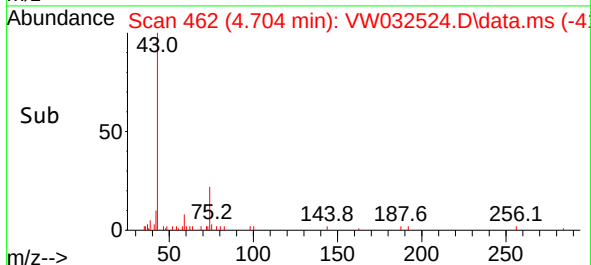
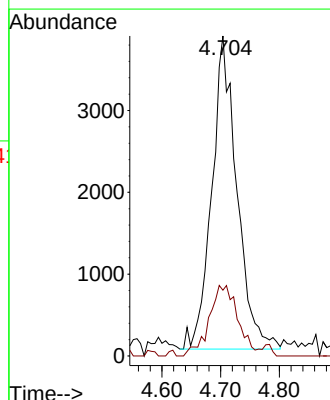
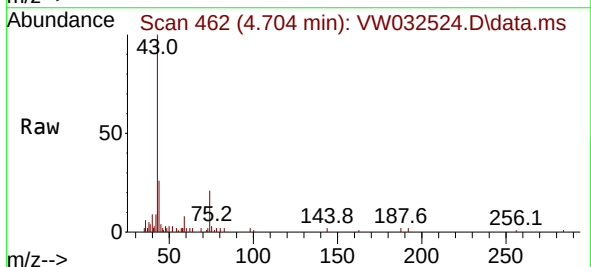
Instrument :
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ClientSampleId :
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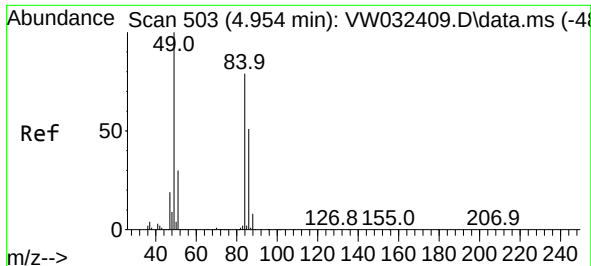
Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 22.4 24.8 37.2#



#18
Methyl Acetate
Concen: 5.807 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 43 Resp: 11382
Ion Ratio Lower Upper
43 100
74 25.5 18.9 28.3

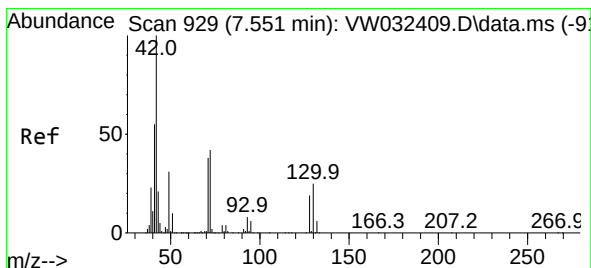
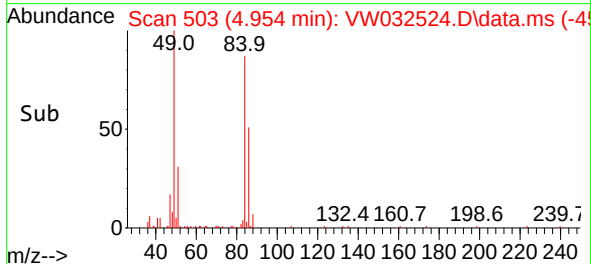
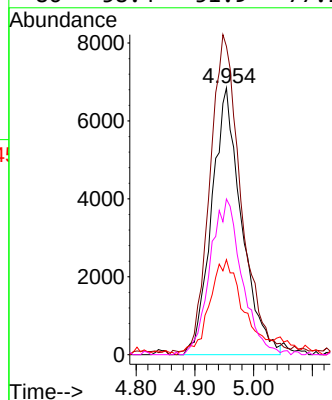
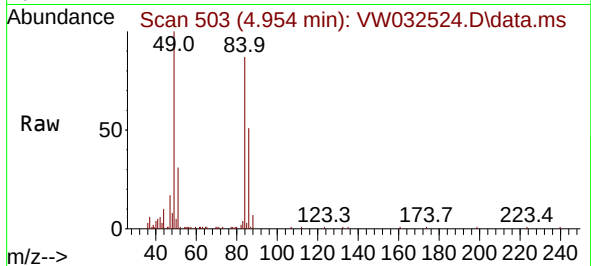




#20
Methylene Chloride
Concen: 8.556 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

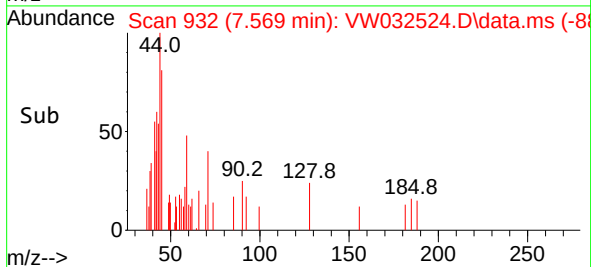
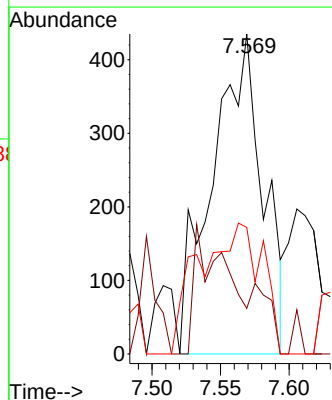
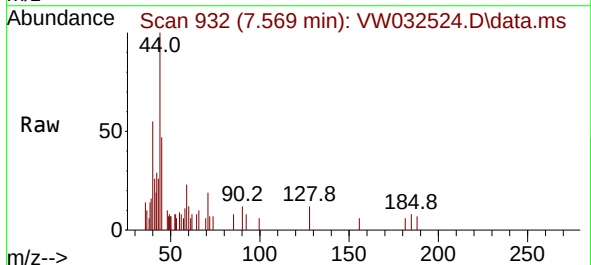
Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

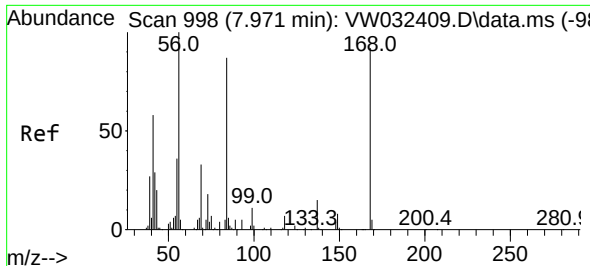
Tgt Ion:	84	Resp:	24216
Ion	Ratio	Lower	Upper
84	100		
49	114.5	101.5	152.3
51	34.3	30.6	46.0
86	58.4	51.9	77.9



#29
Tetrahydrofuran
Concen: 1.521 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion:	42	Resp:	1126
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.6	50.4#
71	31.4	31.4	47.0

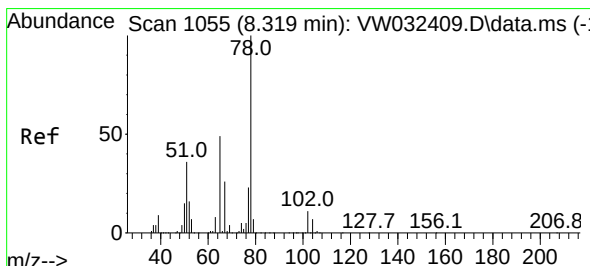
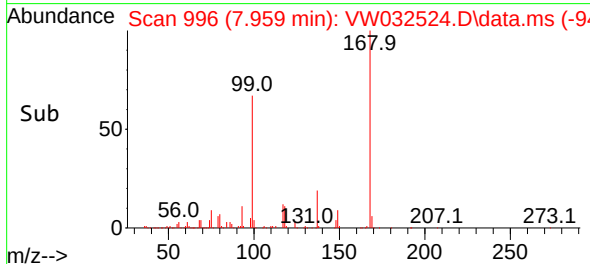
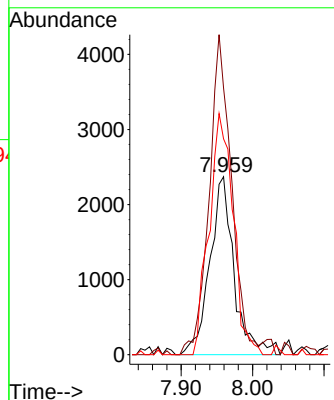
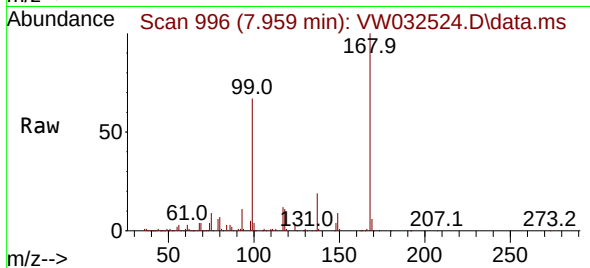




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

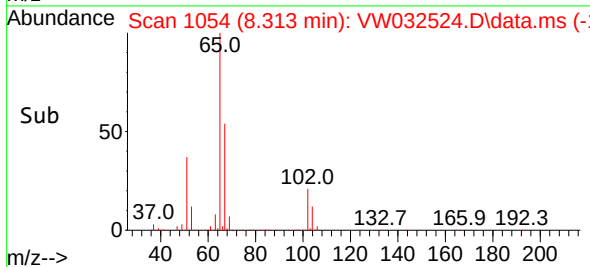
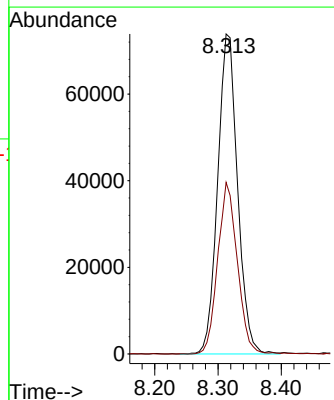
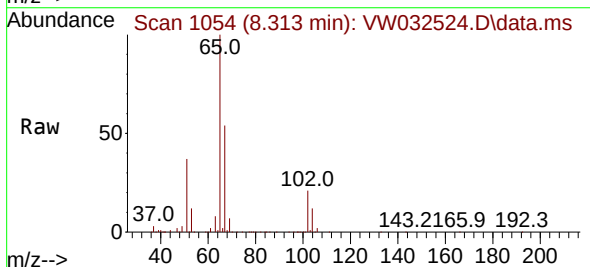
Instrument :
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ClientSampleId :
TR-04-112025

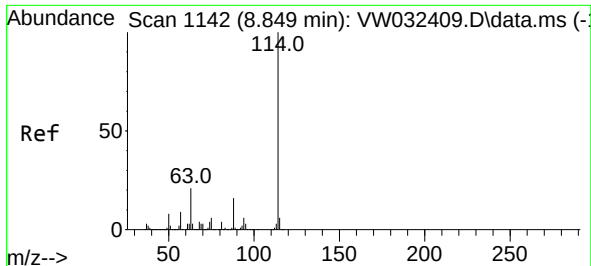
Tgt Ion: 56 Resp: 5596
Ion Ratio Lower Upper
56 100
69 149.9 26.5 39.7#
84 121.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 60.794 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 65 Resp: 160827
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

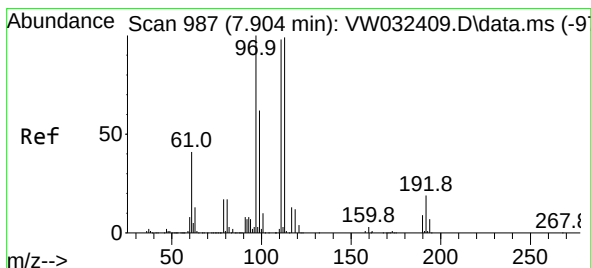
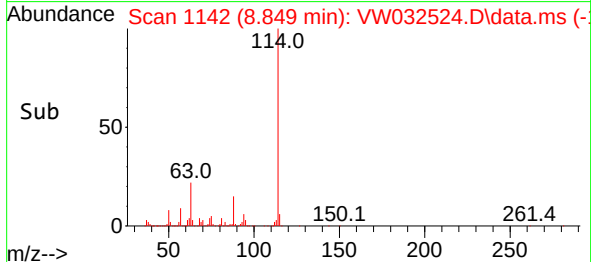
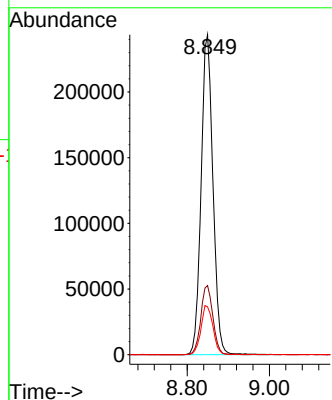
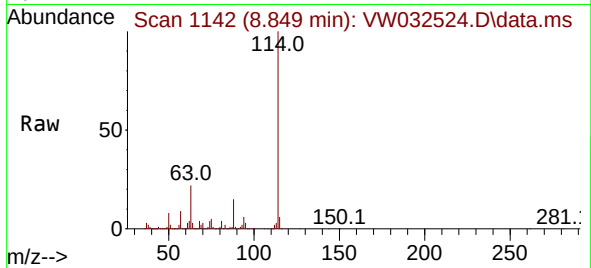




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

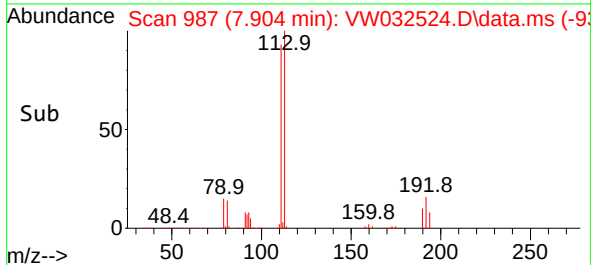
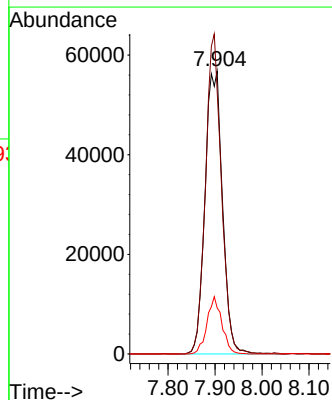
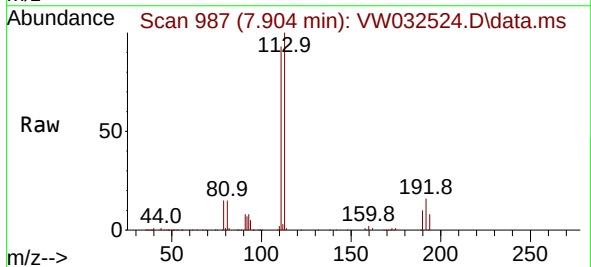
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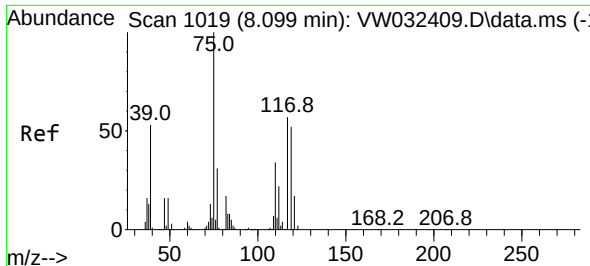
Tgt Ion:114 Resp: 485698
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 14.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion:113 Resp: 146758
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 17.2 13.4 20.2

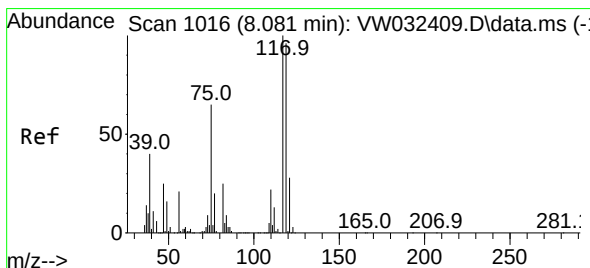
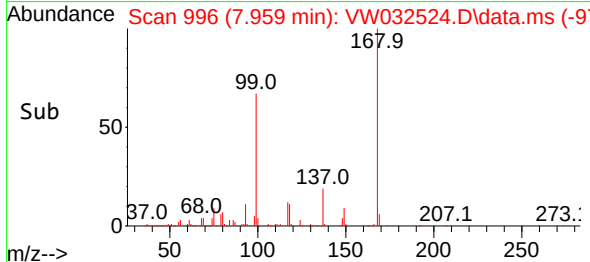
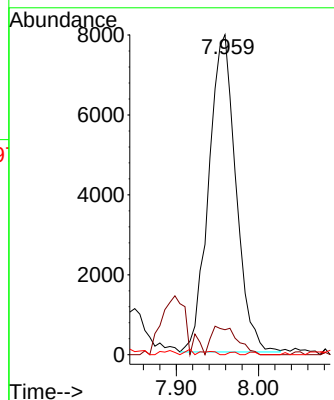
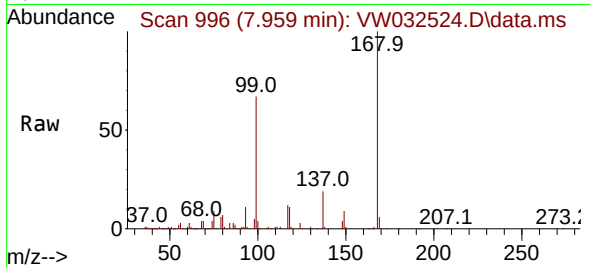




#36
 1,1-Dichloropropene
 Concen: 4.258 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032524.D
 Acq: 21 Nov 2025 14:33

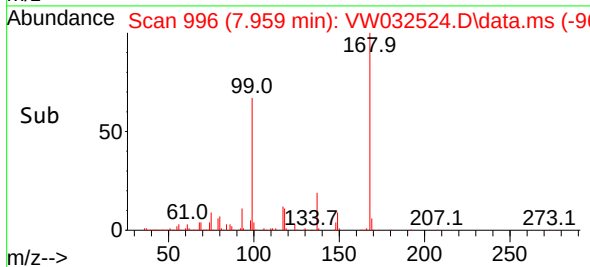
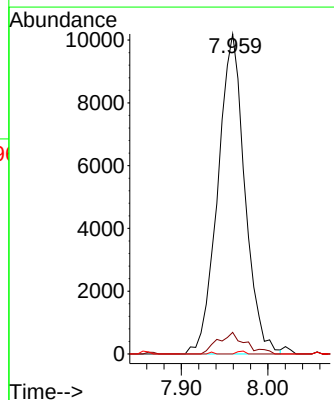
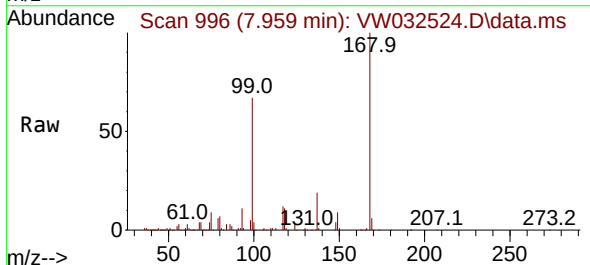
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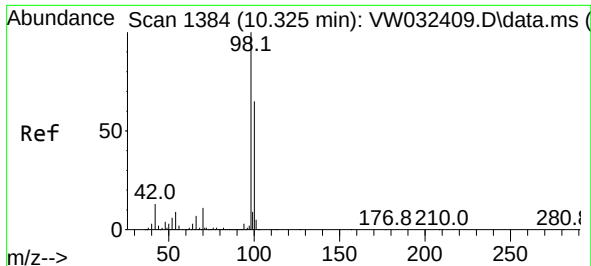
Tgt Ion: 75 Resp: 18244
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.2 51.5#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.796 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032524.D
 Acq: 21 Nov 2025 14:33

Tgt Ion: 117 Resp: 22066
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.0 115.4#
 121 0.0 22.0 33.0#

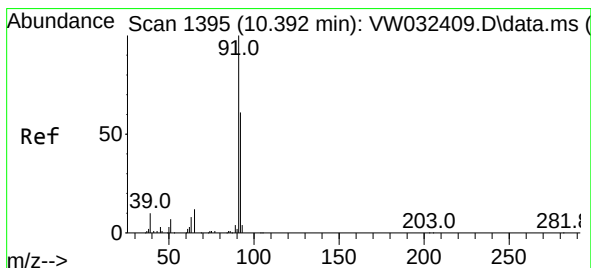
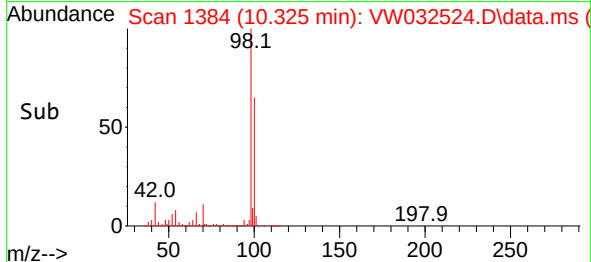
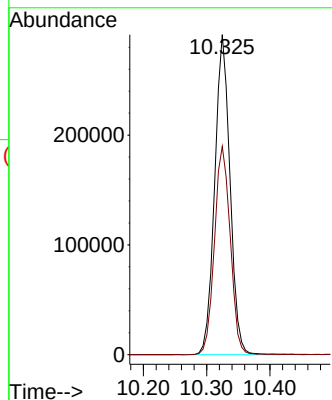
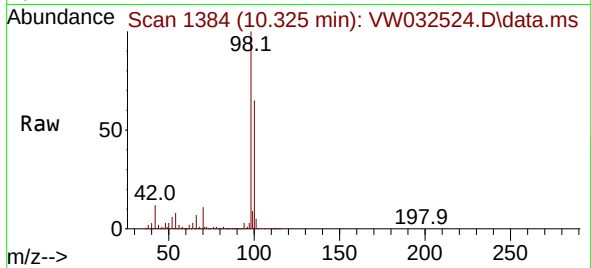




#50
Toluene-d8
Concen: 43.801 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

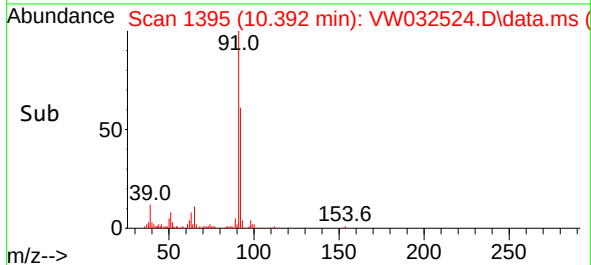
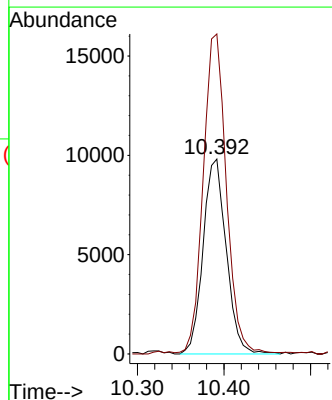
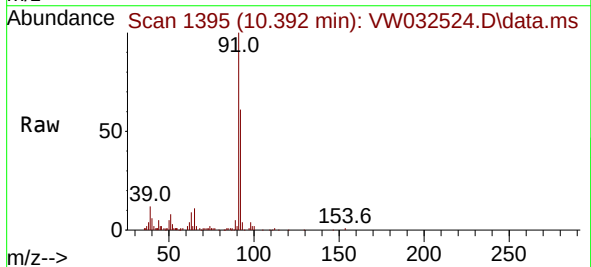
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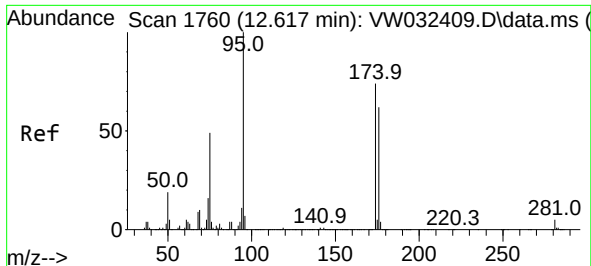
Tgt Ion: 98 Resp: 488641
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#52
Toluene
Concen: 2.144 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 92 Resp: 18269
Ion Ratio Lower Upper
92 100
91 161.6 136.6 205.0

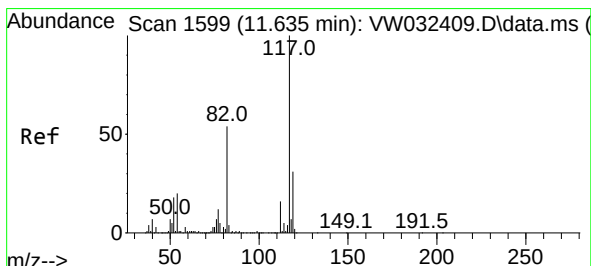
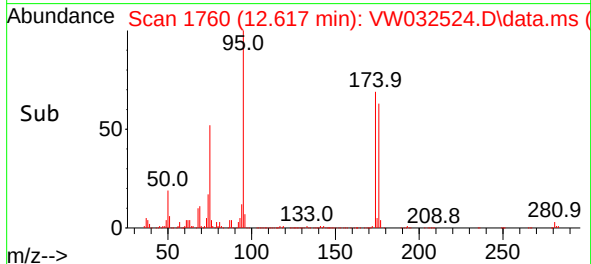
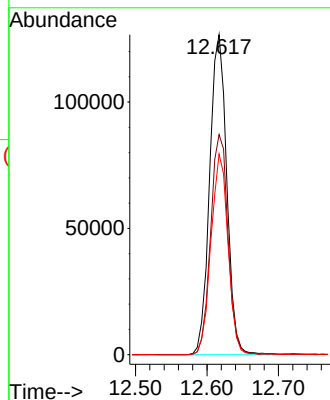
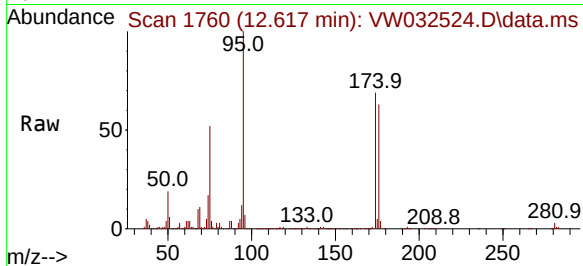




#62
4-Bromofluorobenzene
Concen: 49.854 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

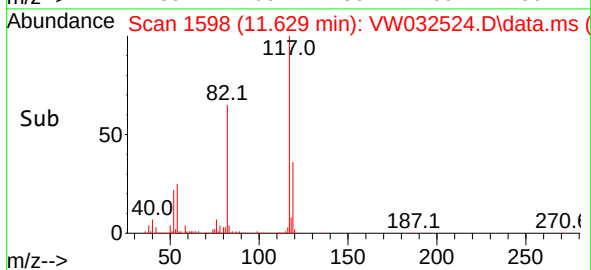
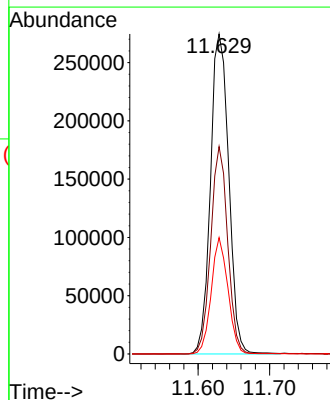
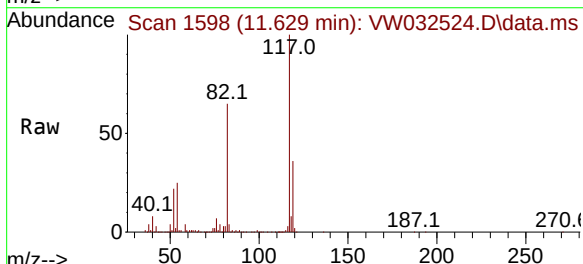
Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

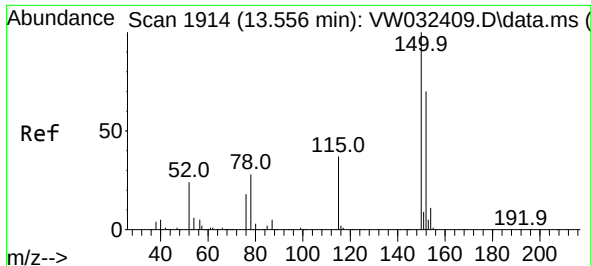
Tgt Ion: 95 Resp: 210101
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.4
176 62.7 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 117 Resp: 486715
Ion Ratio Lower Upper
117 100
82 64.8 43.0 64.4#
119 36.3 25.0 37.6

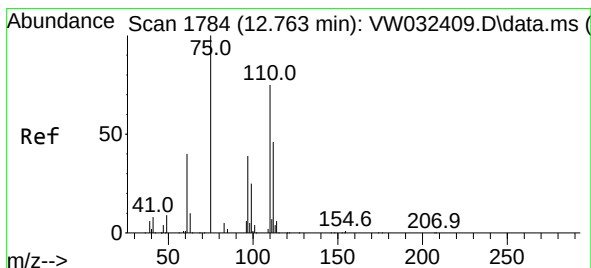
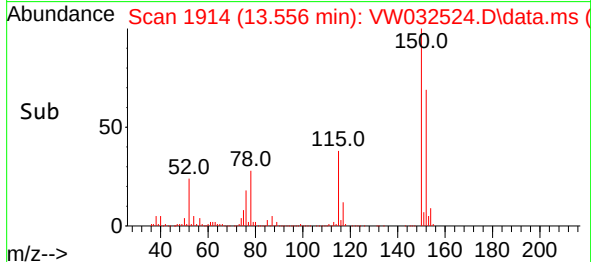
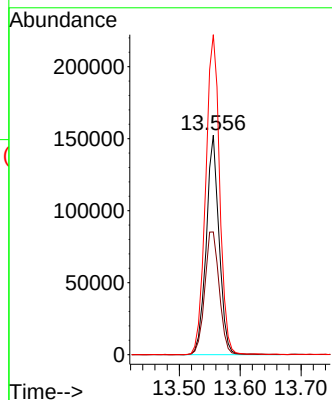
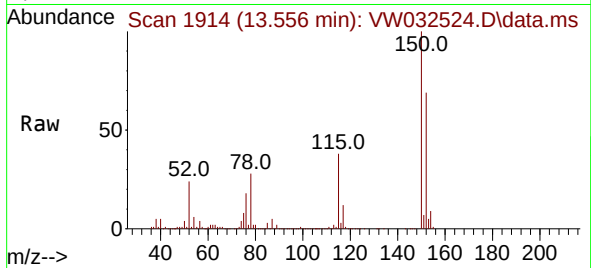




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

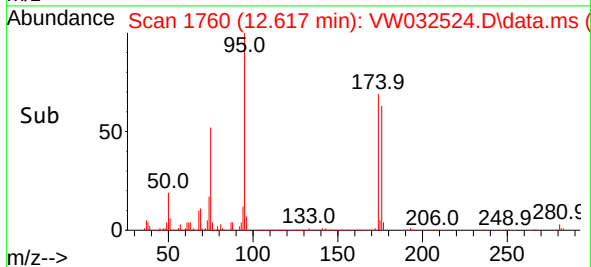
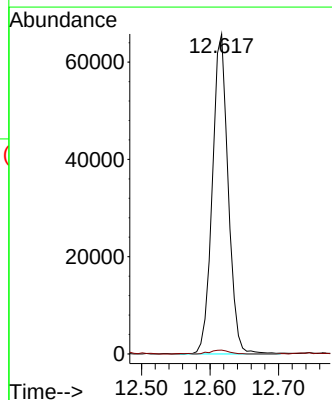
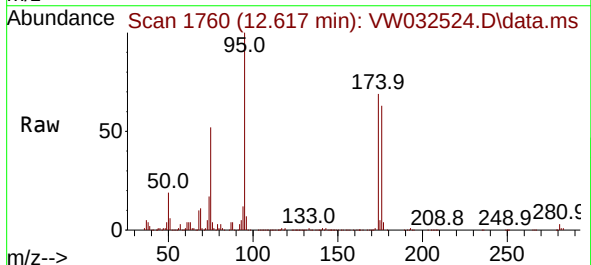
Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

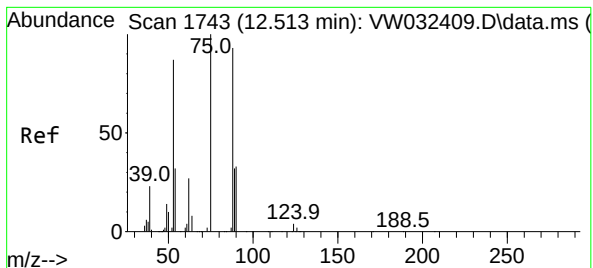
Tgt Ion:152 Resp: 223812
Ion Ratio Lower Upper
152 100
115 63.0 32.8 98.3
150 157.9 0.0 356.6



#76
1,2,3-Trichloropropane
Concen: 34.434 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

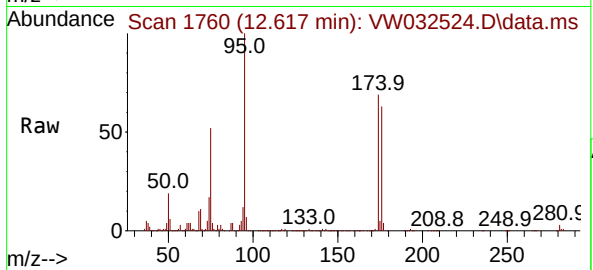
Tgt Ion: 75 Resp: 105673
Ion Ratio Lower Upper
75 100
77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.870 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032524.D
 Acq: 21 Nov 2025 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-112025



Tgt Ion: 75 Resp: 105673
 Ion Ratio Lower Upper
 75 100
 53 0.6 77.8 116.8#
 89 0.4 35.6 53.4#

