

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032550.D
 Acq On : 26 Nov 2025 17:33
 Operator : SY/MD
 Sample : Q3719-11
 Misc : 4.66g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:30:50 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)

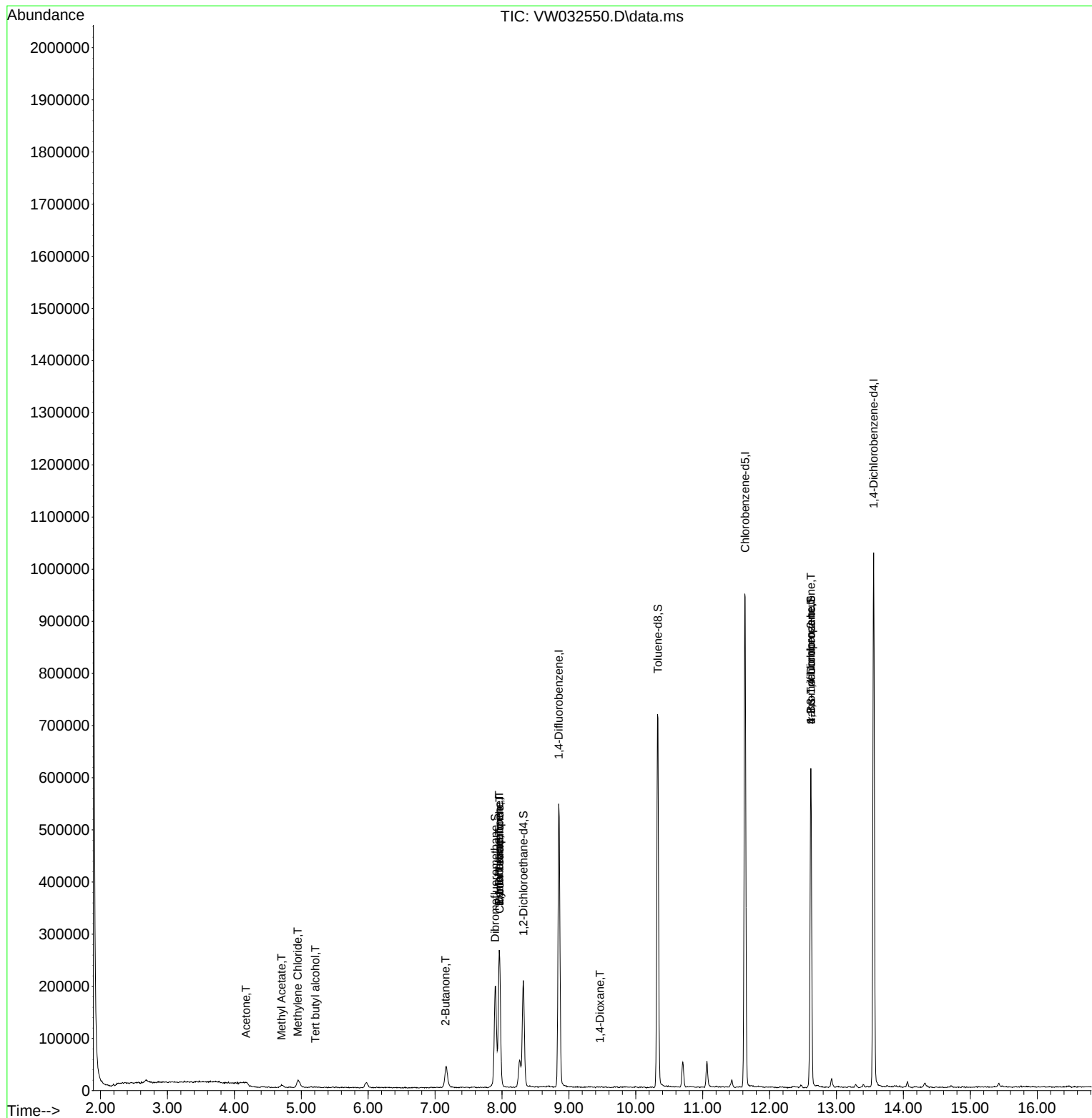
Internal Standards						
1) Pentafluorobenzene	7.959	168	179732	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	445052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	515760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	254063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	165498	71.422	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 142.840%		
35) Dibromofluoromethane	7.898	113	147838	55.482	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.960%		
50) Toluene-d8	10.330	98	480029	46.958	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.920%		
62) 4-Bromofluorobenzene	12.617	95	215196	55.727	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 111.460%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.209	59	238	1.188	ug/l	# 1
16) Acetone	4.173	43	3039	4.384	ug/l	90
18) Methyl Acetate	4.703	43	10669	6.215	ug/l	96
20) Methylene Chloride	4.947	84	11683	4.712	ug/l	90
25) 2-Butanone	7.154	43	2597	2.543	ug/l	# 75
31) Cyclohexane	7.959	56	5720	1.492	ug/l	# 9
36) 1,1-Dichloropropene	7.959	75	17713	4.512	ug/l	# 42
38) Carbon Tetrachloride	7.965	117	21407	6.136	ug/l	# 17
49) 1,4-Dioxane	9.465	88	30	1.164	ug/l	# 1
76) 1,2,3-Trichloropropane	12.617	75	110551	31.735	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	110551	72.686	ug/l	# 11

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

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Misc : 4.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 27 00:30:50 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

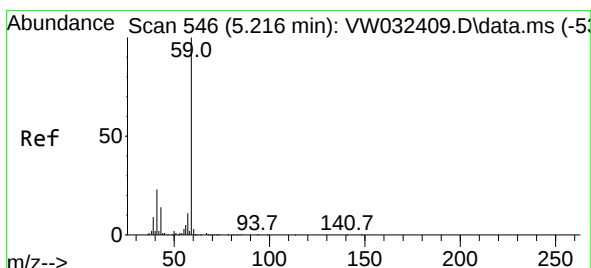
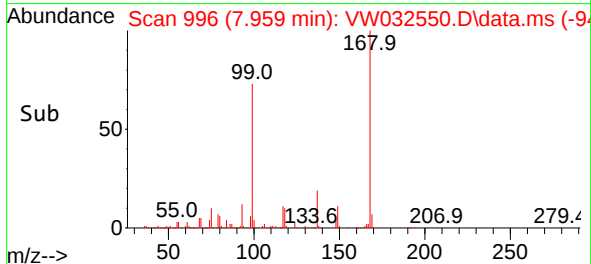
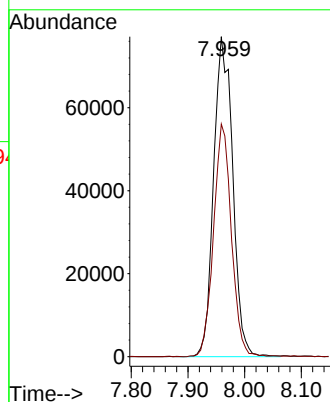
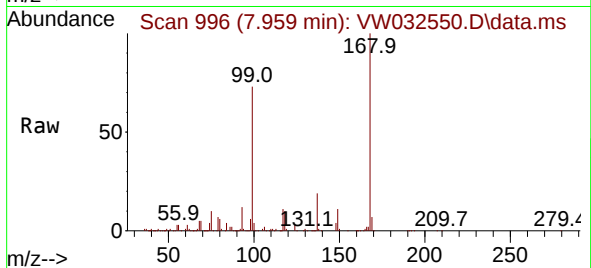




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

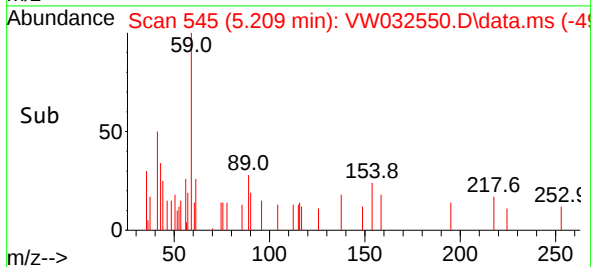
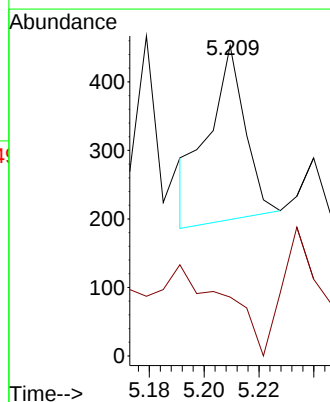
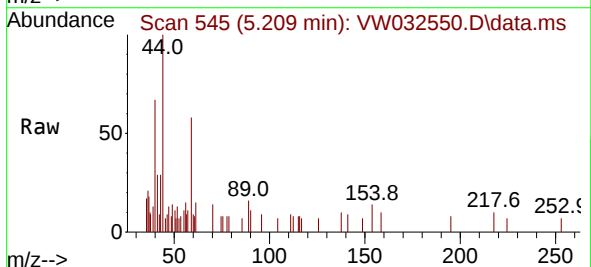
Instrument :
MSVOA_W
ClientSampleId :

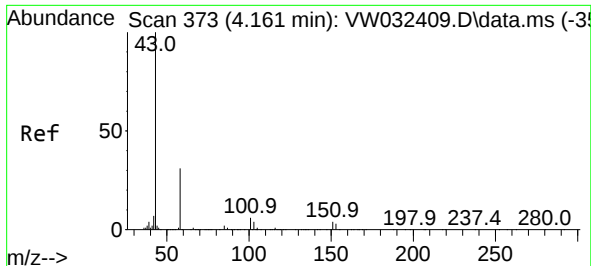
Tgt Ion:168 Resp: 179732
Ion Ratio Lower Upper
168 100
99 72.6 45.4 68.2#



#11
Tert butyl alcohol
Concen: 1.188 ug/l
RT: 5.209 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 127.3 8.6 12.8#

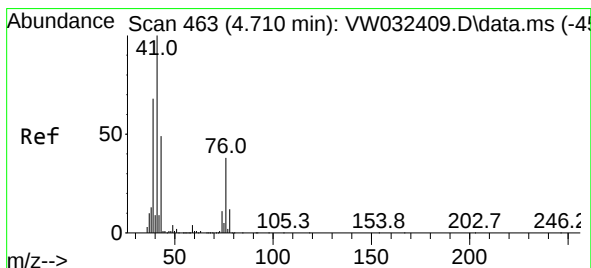
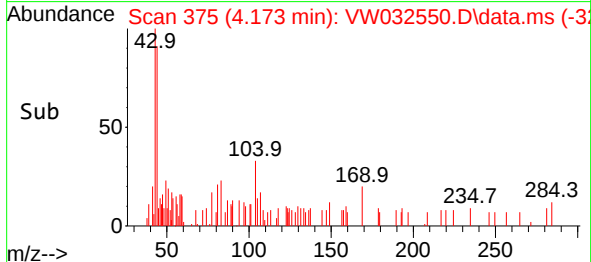
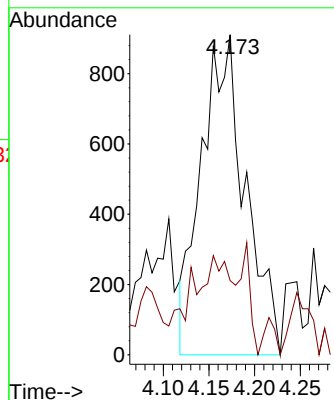
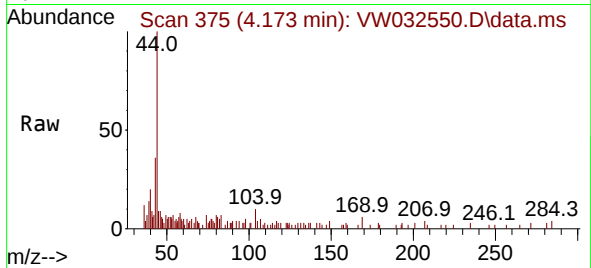




#16
Acetone
Concen: 4.384 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

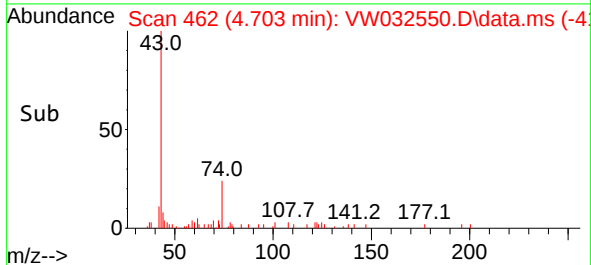
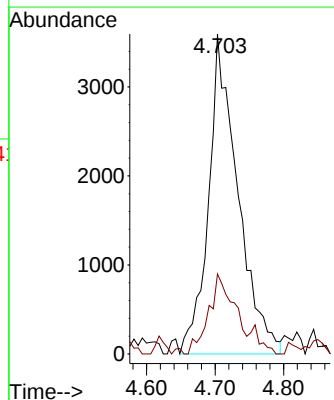
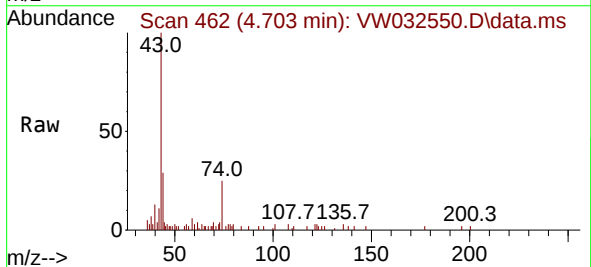
Instrument :
MSVOA_W
ClientSampleId :

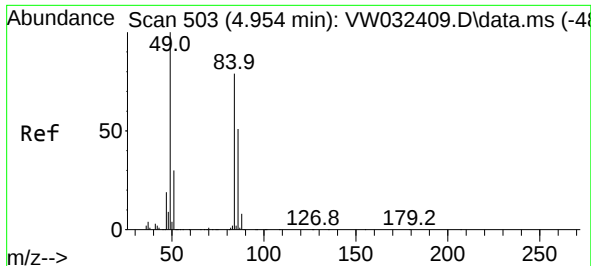
Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 36.2 24.8 37.2



#18
Methyl Acetate
Concen: 6.215 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

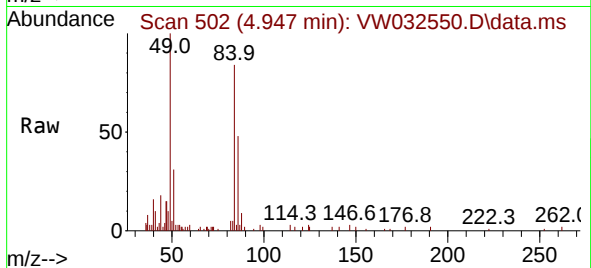
Tgt Ion: 43 Resp: 10669
Ion Ratio Lower Upper
43 100
74 21.8 18.9 28.3



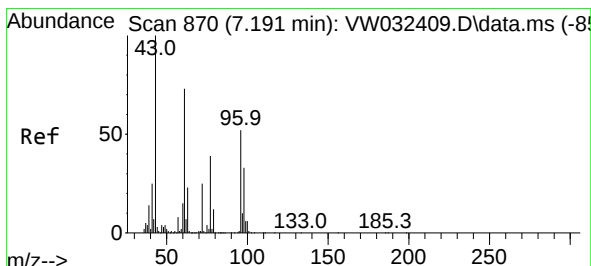
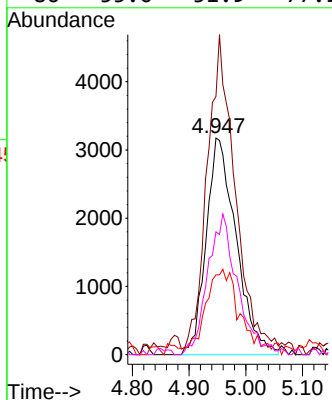
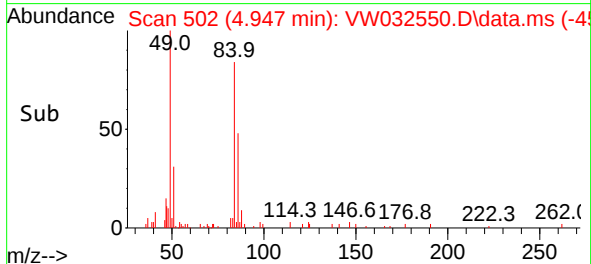


#20
Methylene Chloride
Concen: 4.712 ug/l
RT: 4.947 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Instrument :
MSVOA_W
ClientSampleId :

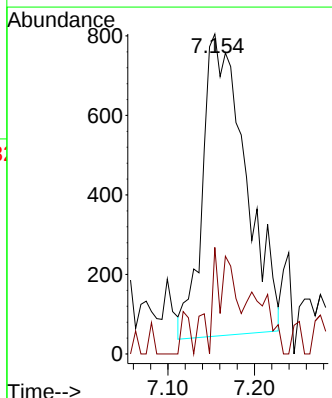
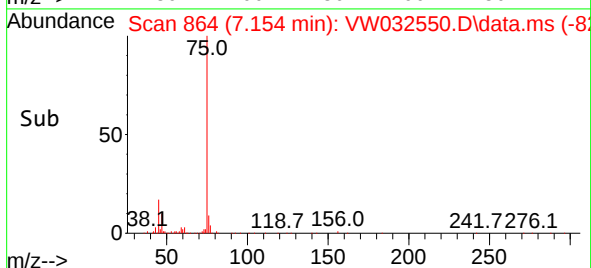
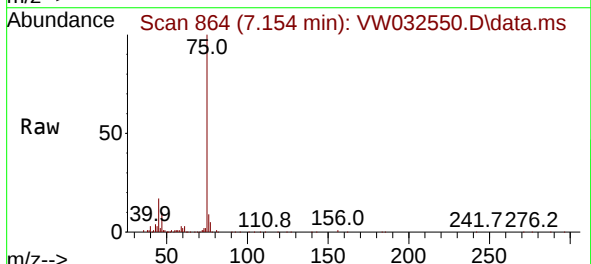


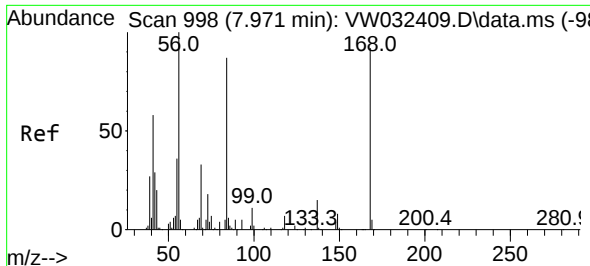
Tgt Ion:	84	Resp:	11683
Ion	Ratio	Lower	Upper
84	100		
49	115.2	101.5	152.3
51	33.8	30.6	46.0
86	55.0	51.9	77.9



#25
2-Butanone
Concen: 2.543 ug/l
RT: 7.154 min Scan# 864
Delta R.T. -0.037 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

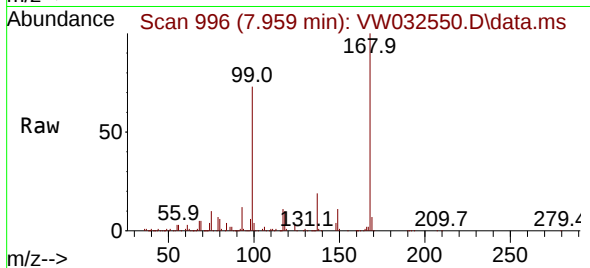
Tgt Ion:	43	Resp:	2597
Ion	Ratio	Lower	Upper
43	100		
72	37.6	20.0	30.0#



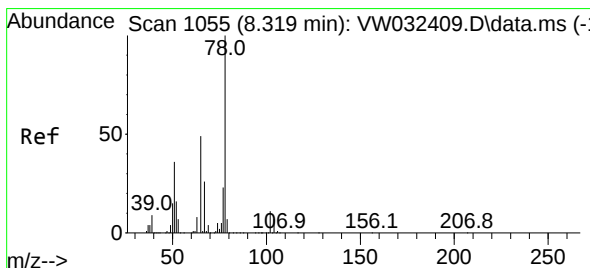
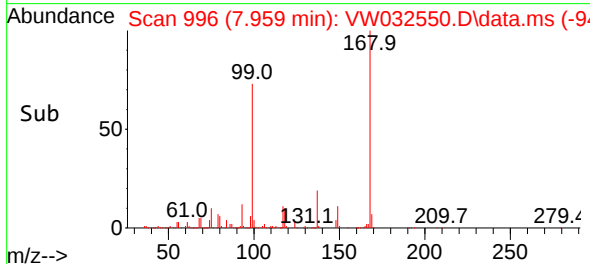
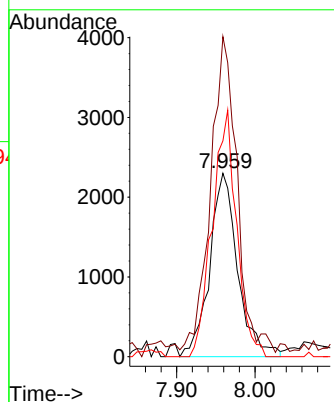


#31
Cyclohexane
Concen: 1.492 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Instrument :
MSVOA_W
ClientSampleId :

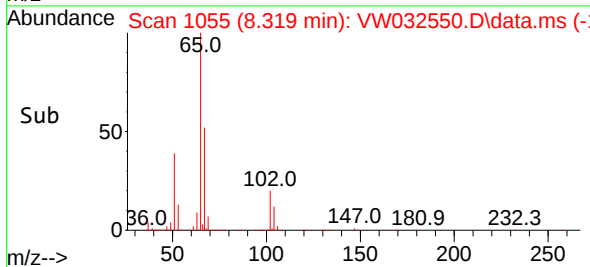
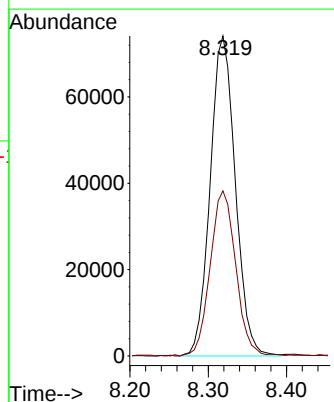
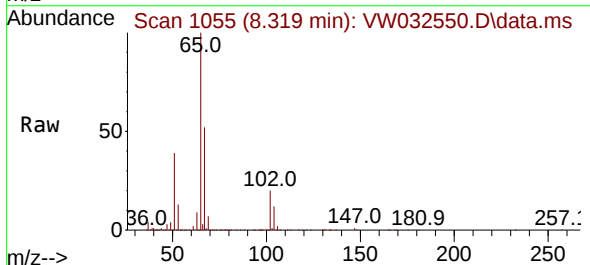


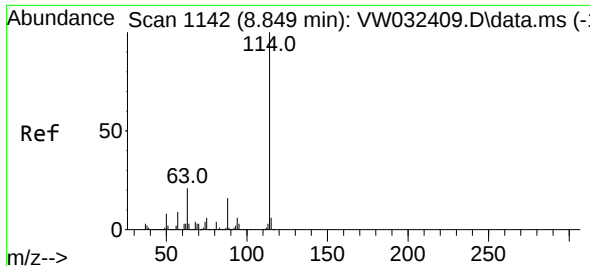
Tgt Ion: 56 Resp: 5720
Ion Ratio Lower Upper
56 100
69 170.7 26.5 39.7#
84 117.7 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 71.422 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

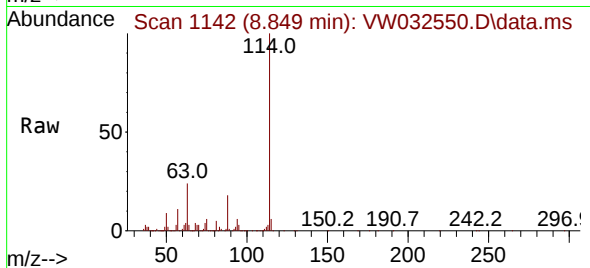
Tgt Ion: 65 Resp: 165498
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8



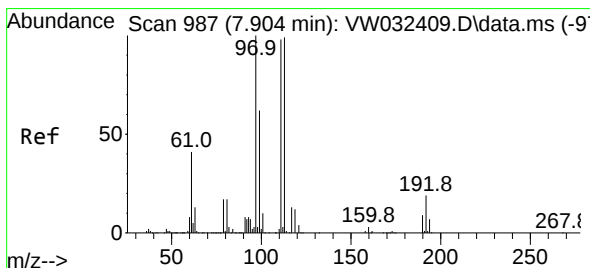
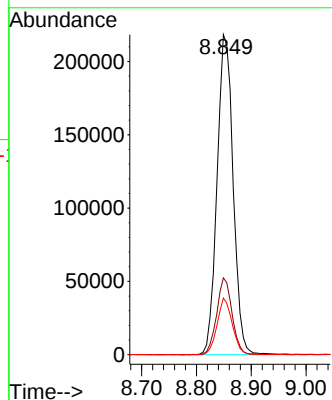
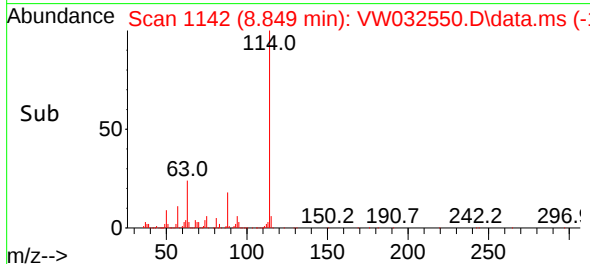


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032550.D
 Acq: 26 Nov 2025 17:33

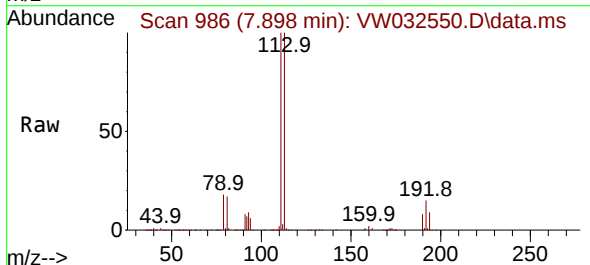
Instrument :
 MSVOA_W
 ClientSampleId :



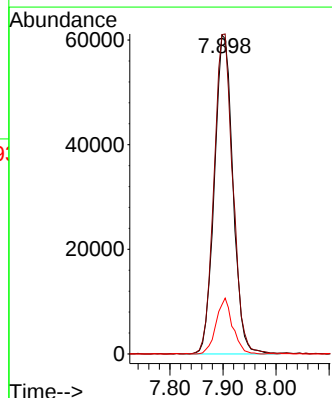
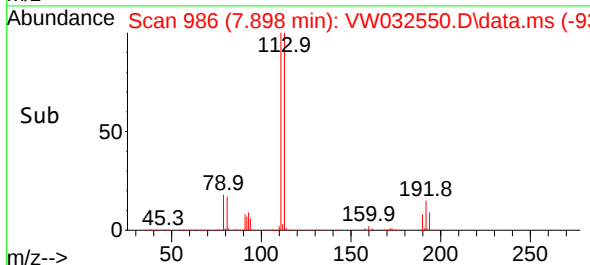
Tgt Ion:114 Resp: 445052
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 41.8
 88 17.7 0.0 32.6

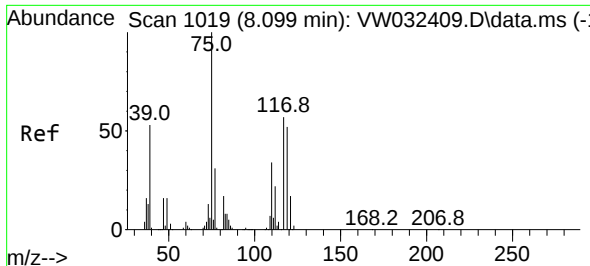


#35
 Dibromofluoromethane
 Concen: 55.482 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032550.D
 Acq: 26 Nov 2025 17:33



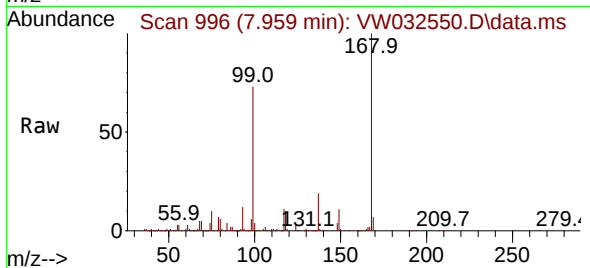
Tgt Ion:113 Resp: 147838
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.1 124.7
 192 15.7 13.4 20.2



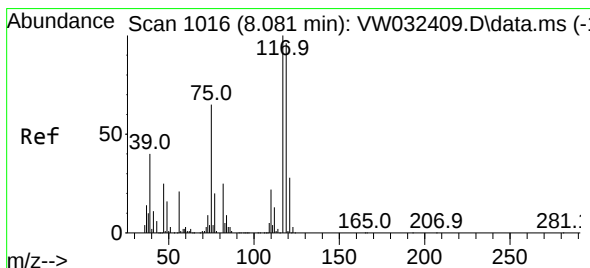
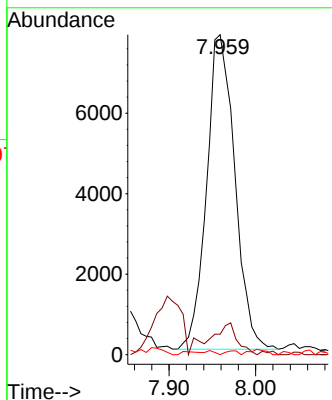
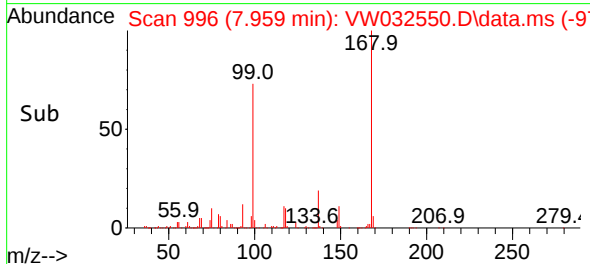


#36
1,1-Dichloropropene
Concen: 4.512 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

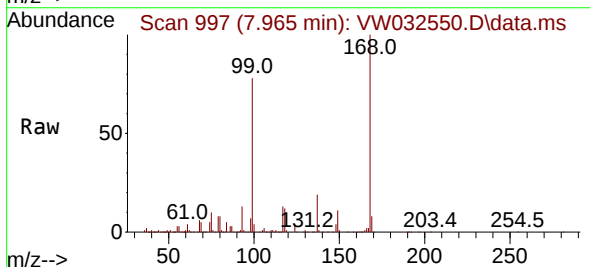
Instrument :
MSVOA_W
ClientSampleId :



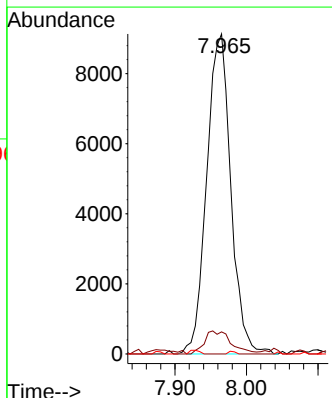
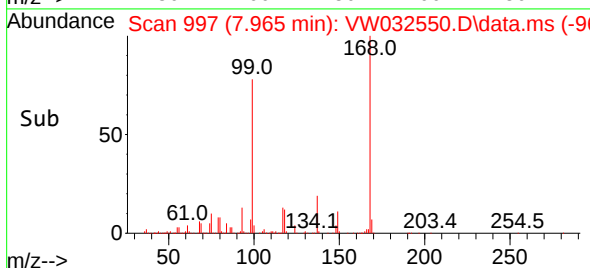
Tgt Ion: 75 Resp: 17713
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.3 24.5 36.7#

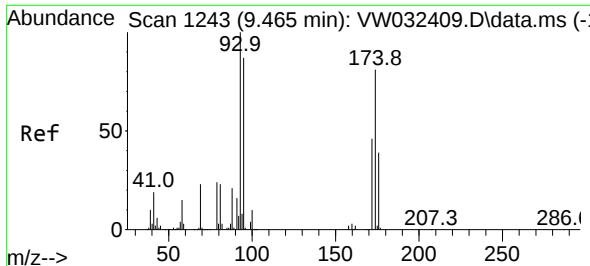


#38
Carbon Tetrachloride
Concen: 6.136 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33



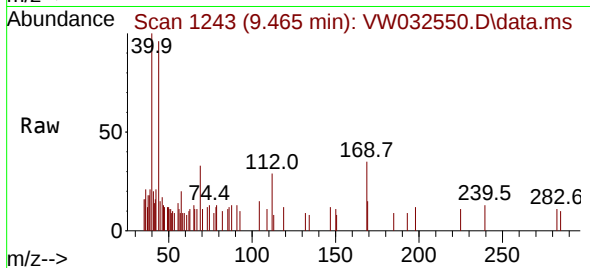
Tgt Ion: 117 Resp: 21407
Ion Ratio Lower Upper
117 100
119 6.3 77.0 115.4#
121 0.0 22.0 33.0#



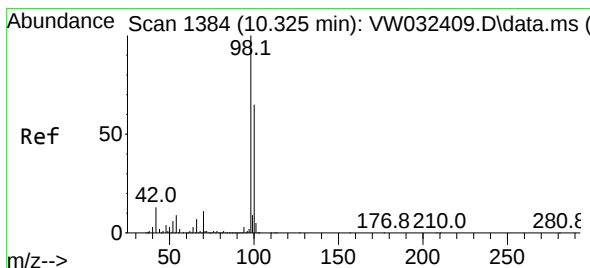
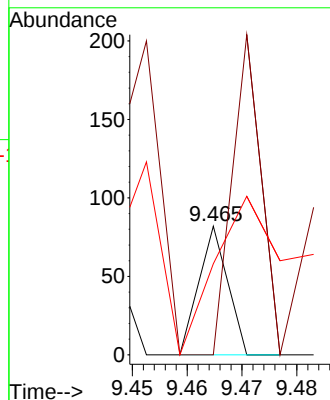
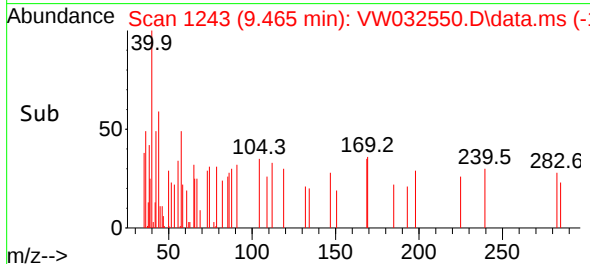


#49
1,4-Dioxane
Concen: 1.164 ug/l
RT: 9.465 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Instrument :
MSVOA_W
ClientSampleId :

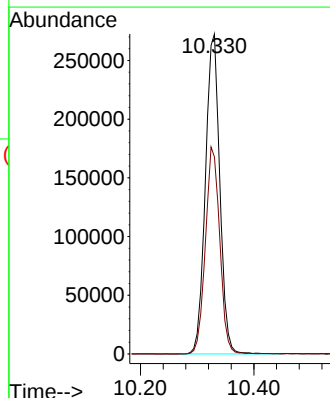
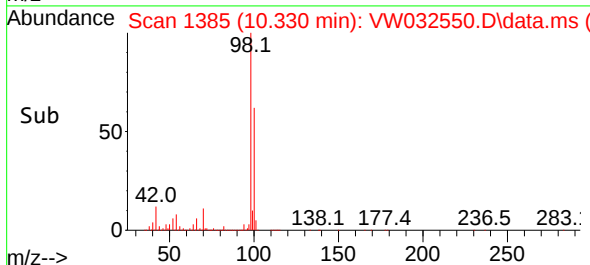
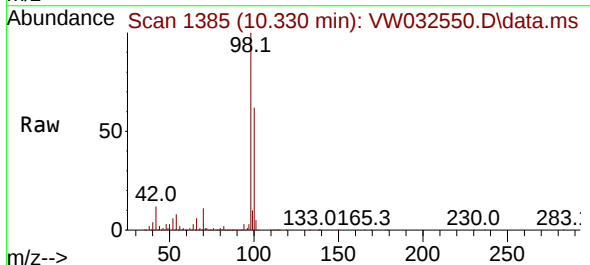


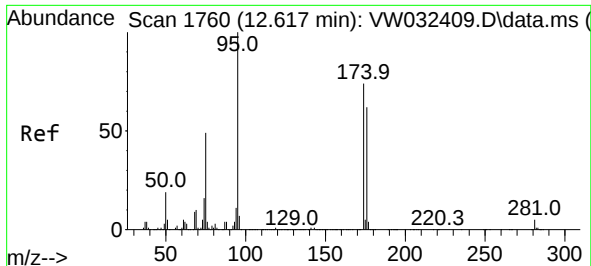
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 250.0 0.0 0.0#
58 346.7 63.0 94.4#



#50
Toluene-d8
Concen: 46.958 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion: 98 Resp: 480029
Ion Ratio Lower Upper
98 100
100 64.5 53.3 79.9

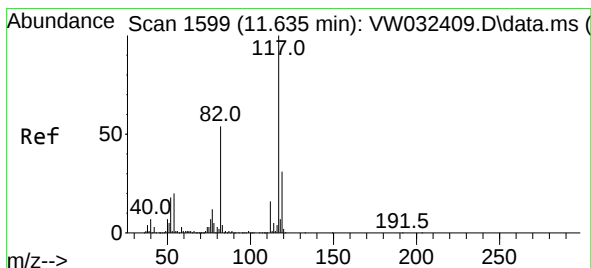
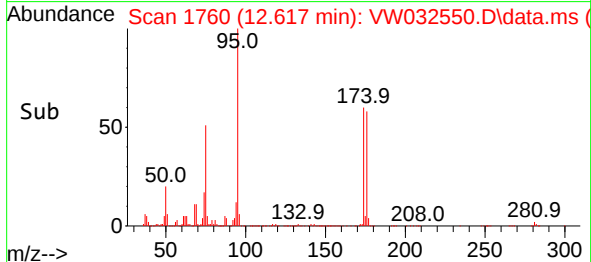
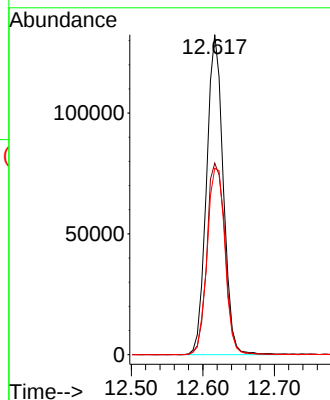
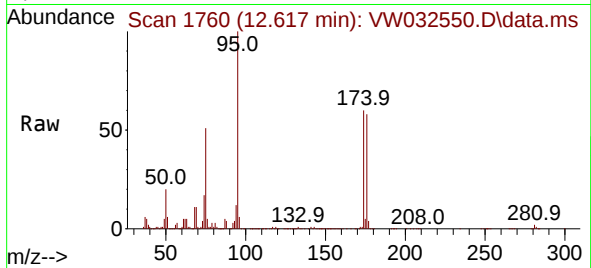




#62
4-Bromofluorobenzene
Concen: 55.727 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

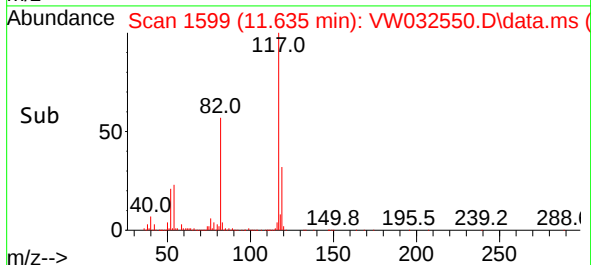
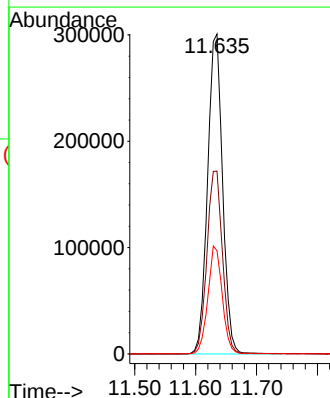
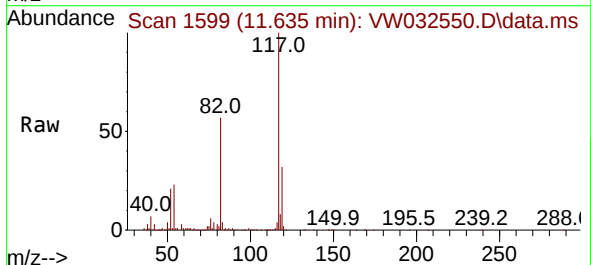
Instrument :
MSVOA_W
ClientSampleId :

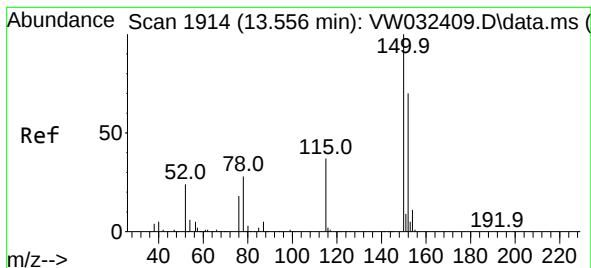
Tgt Ion: 95 Resp: 215196
Ion Ratio Lower Upper
95 100
174 64.7 0.0 135.4
176 62.5 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

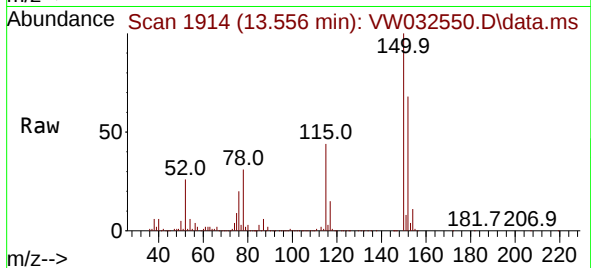
Tgt Ion: 117 Resp: 515760
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.2 25.0 37.6



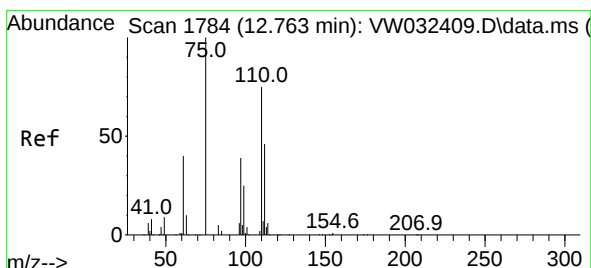
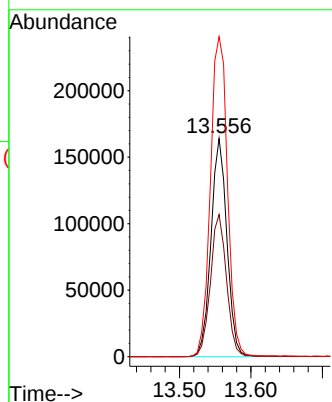
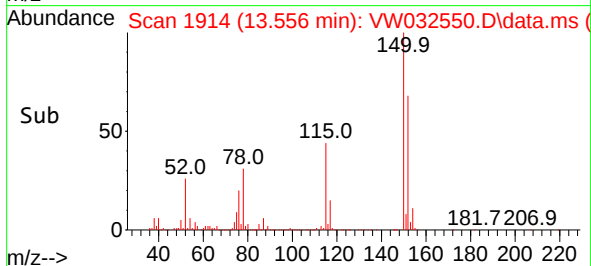


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Instrument :
MSVOA_W
ClientSampleId :

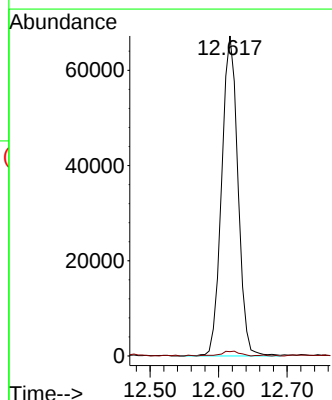
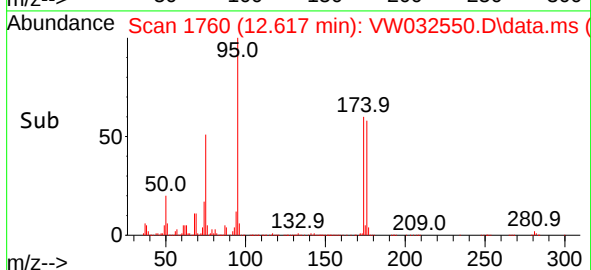
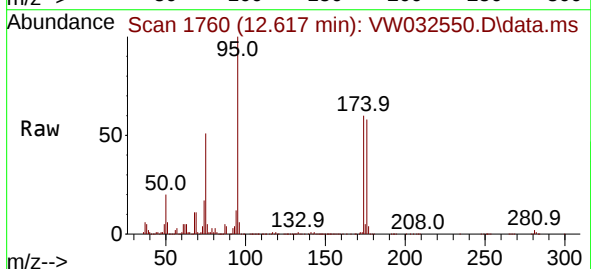


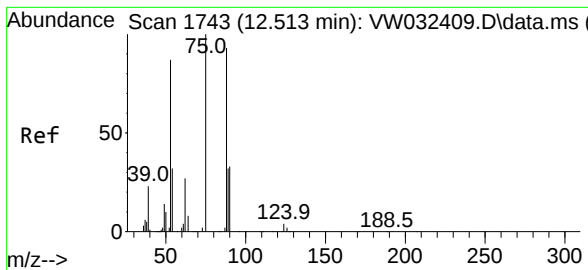
Tgt Ion:152 Resp: 254063
Ion Ratio Lower Upper
152 100
115 66.0 32.8 98.3
150 157.2 0.0 356.6



#76
1,2,3-Trichloropropane
Concen: 31.735 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032550.D
Acq: 26 Nov 2025 17:33

Tgt Ion: 75 Resp: 110551
Ion Ratio Lower Upper
75 100
77 1.8 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.686 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032550.D
 Acq: 26 Nov 2025 17:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 75 Resp: 110551
 Ion Ratio Lower Upper
 75 100
 53 0.6 77.8 116.8#
 89 0.1 35.6 53.4#

