

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032507.D
 Acq On : 19 Nov 2025 16:53
 Operator : SY/MD
 Sample : Q3619-18
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B4(13.2)

Quant Time: Nov 20 01:21:13 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)

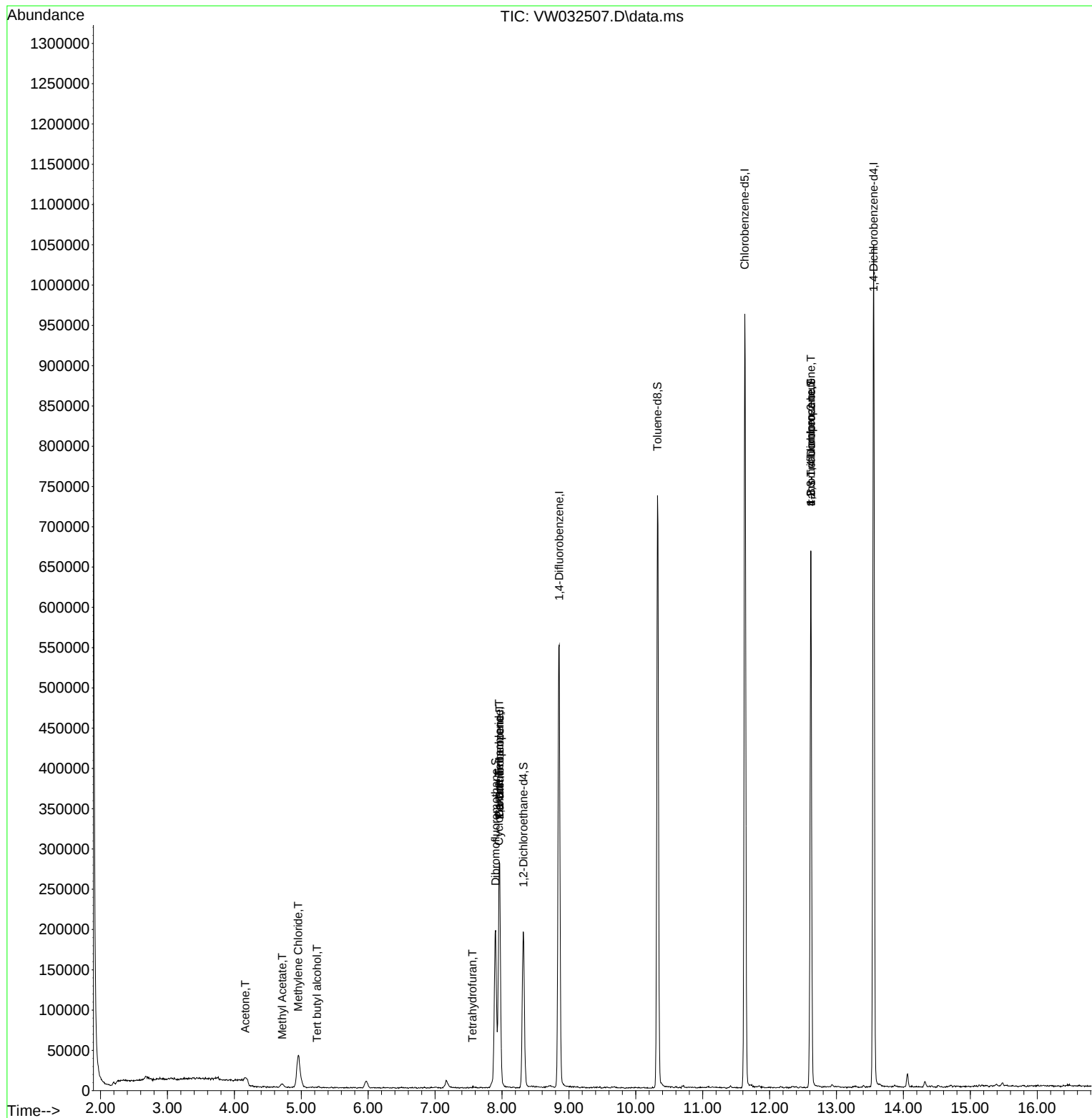
Internal Standards						
1) Pentafluorobenzene	7.965	168	196857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	473106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	523826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157238	61.955	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 123.900%		
35) Dibromofluoromethane	7.904	113	141537	49.967	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.940%		
50) Toluene-d8	10.325	98	492746	45.344	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 90.680%		
62) 4-Bromofluorobenzene	12.617	95	225841	55.015	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 110.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	545	2.483	ug/l #	28
16) Acetone	4.161	43	7281	9.589	ug/l	95
18) Methyl Acetate	4.716	43	10753	5.719	ug/l	99
20) Methylene Chloride	4.954	84	34847	12.833	ug/l	96
29) Tetrahydrofuran	7.557	42	759	1.069	ug/l #	70
31) Cyclohexane	7.953	56	5263	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	17949	4.301	ug/l #	49
38) Carbon Tetrachloride	7.959	117	21287	5.740	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	113726	32.905	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	113726	75.368	ug/l #	11

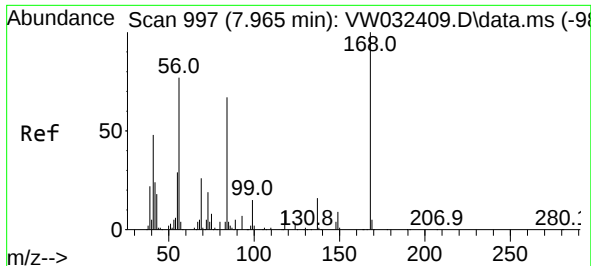
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
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GP-B4(13.2)

Quant Time: Nov 20 01:21:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
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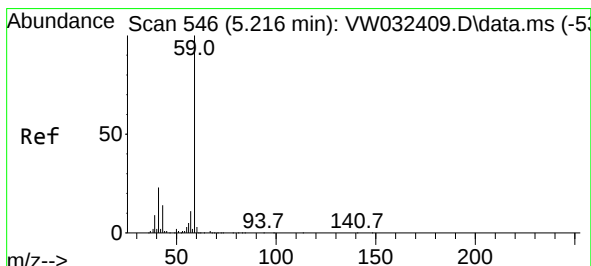
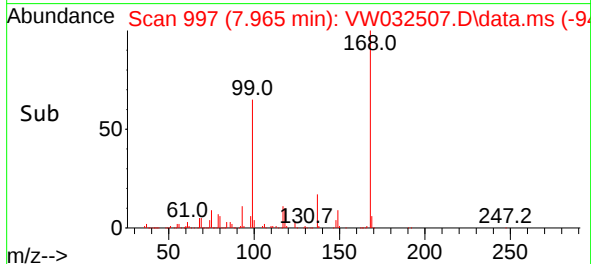
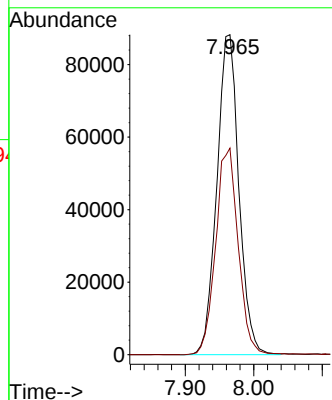
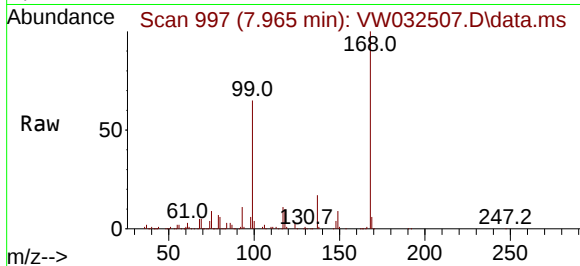




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

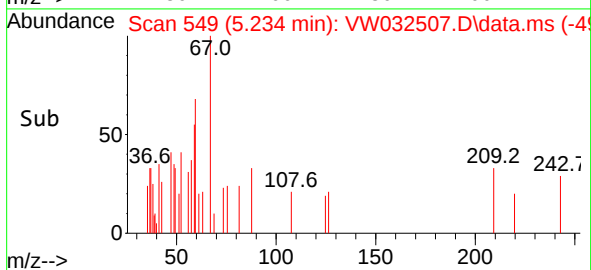
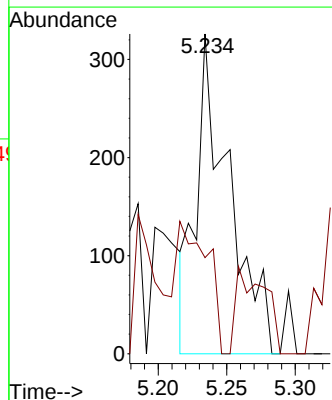
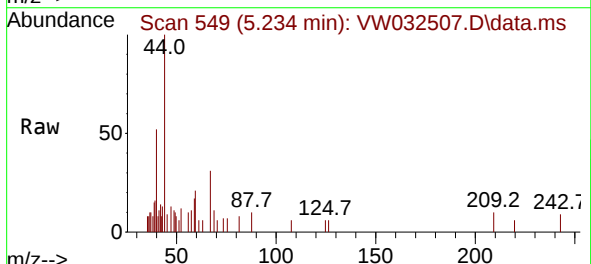
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

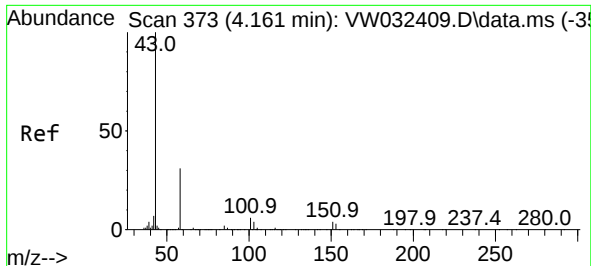
Tgt Ion:168 Resp: 196857
Ion Ratio Lower Upper
168 100
99 64.6 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.483 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.018 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 38.0 8.6 12.8

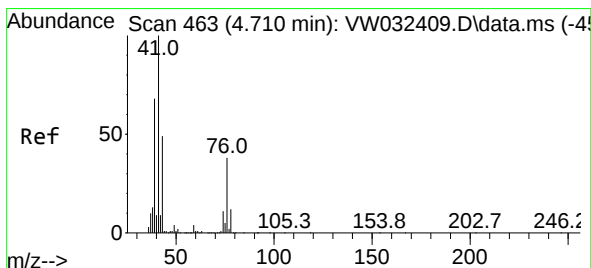
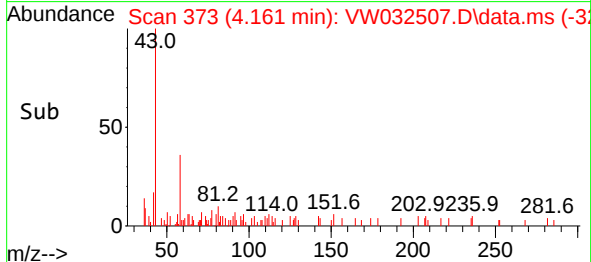
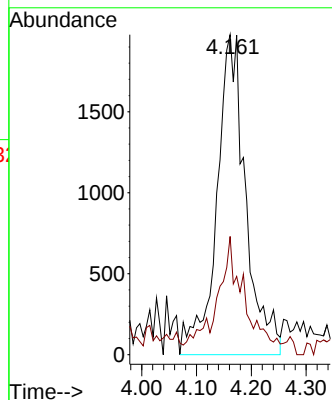
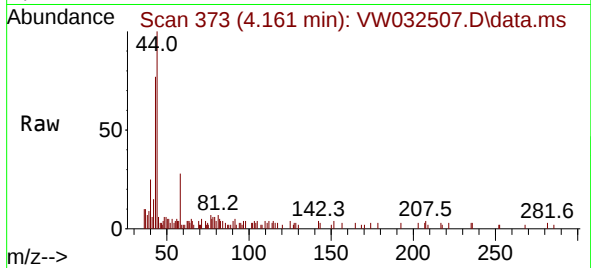




#16
Acetone
Concen: 9.589 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

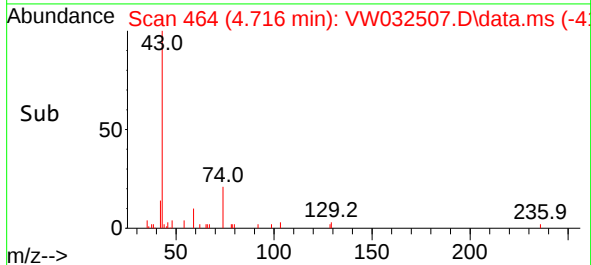
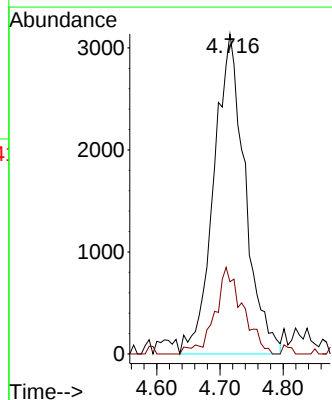
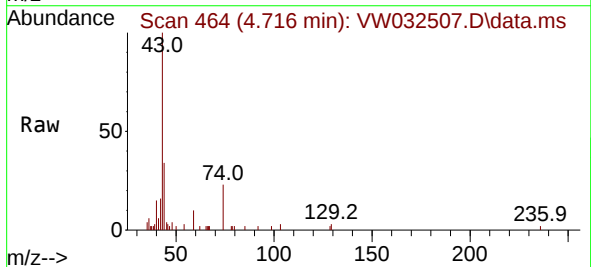
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

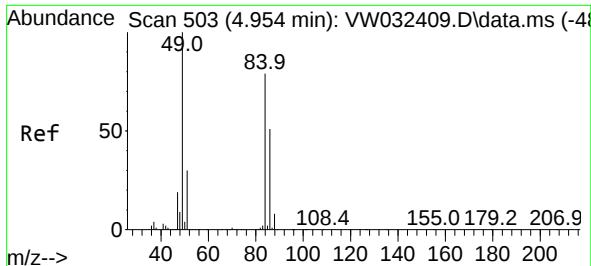
Tgt Ion: 43 Resp: 7281
Ion Ratio Lower Upper
43 100
58 33.6 24.8 37.2



#18
Methyl Acetate
Concen: 5.719 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion: 43 Resp: 10753
Ion Ratio Lower Upper
43 100
74 24.2 18.9 28.3

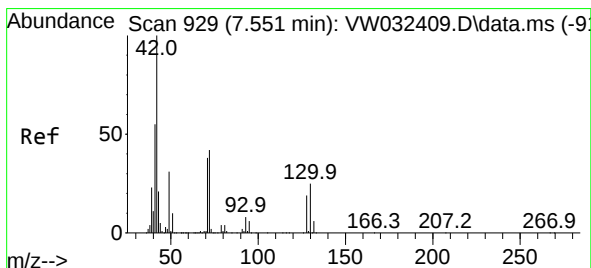
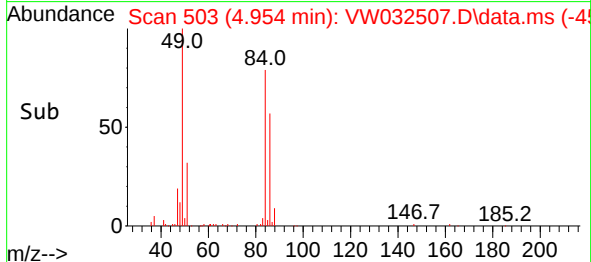
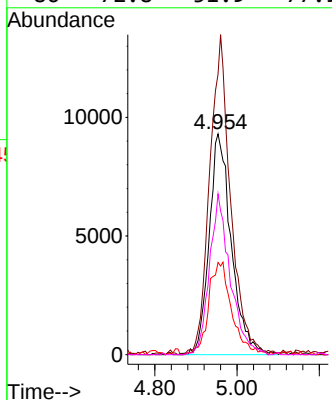
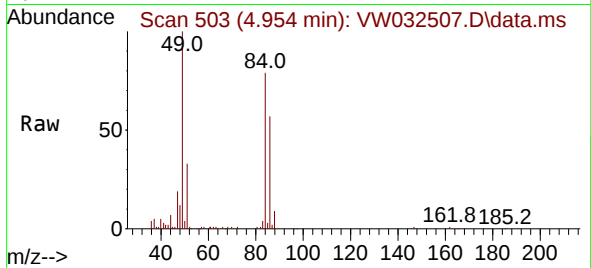




#20
Methylene Chloride
Concen: 12.833 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

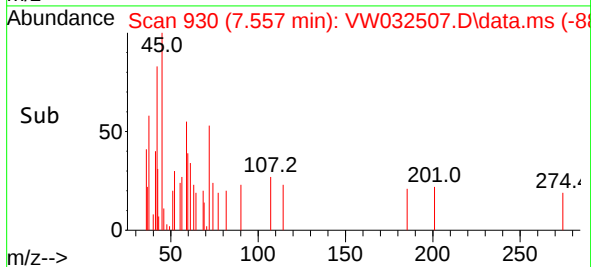
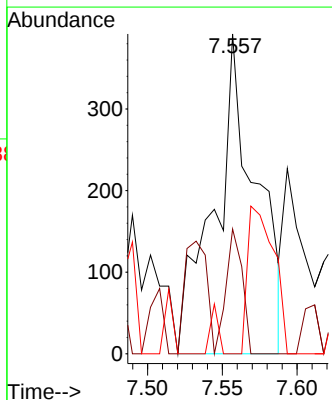
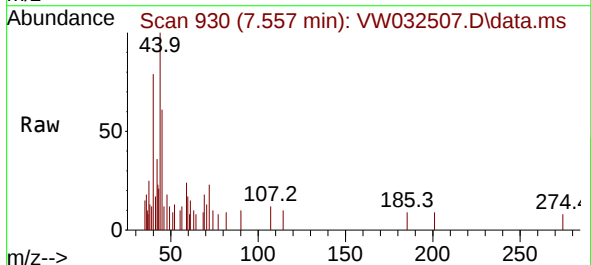
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

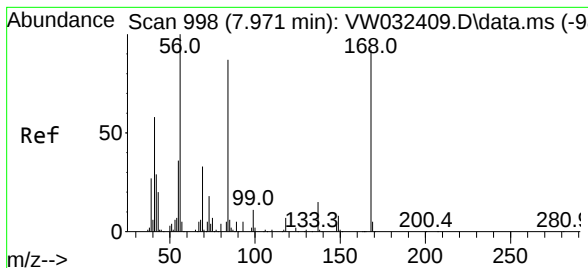
Tgt Ion:	84	Resp:	34847
Ion	Ratio	Lower	Upper
84	100		
49	127.0	101.5	152.3
51	41.0	30.6	46.0
86	72.8	51.9	77.9



#29
Tetrahydrofuran
Concen: 1.069 ug/l
RT: 7.557 min Scan# 930
Delta R.T. 0.006 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion:	42	Resp:	759
Ion	Ratio	Lower	Upper
42	100		
72	15.2	33.6	50.4#
71	29.1	31.4	47.0#

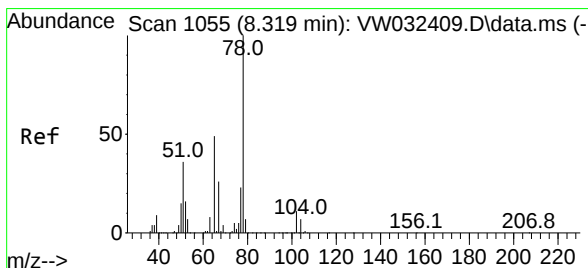
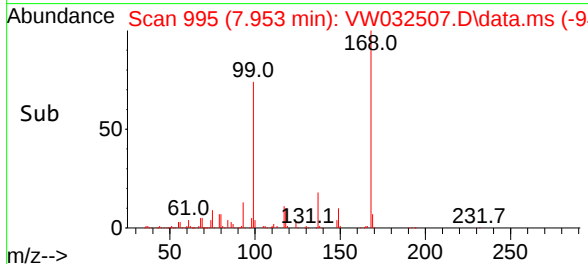
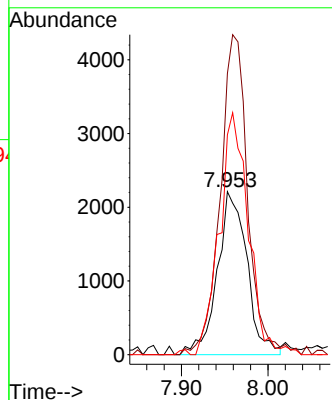
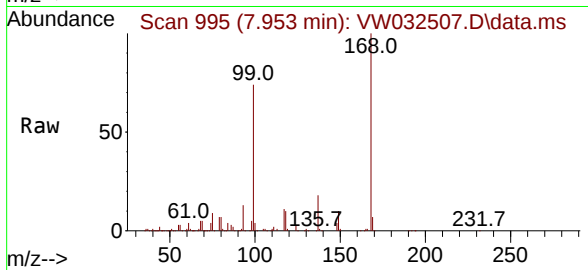




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

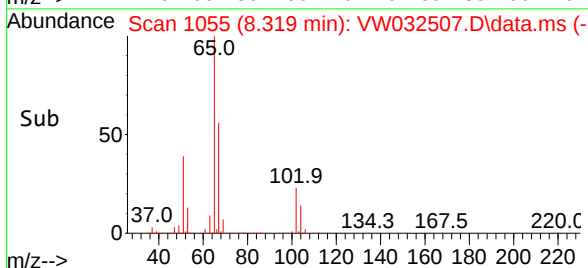
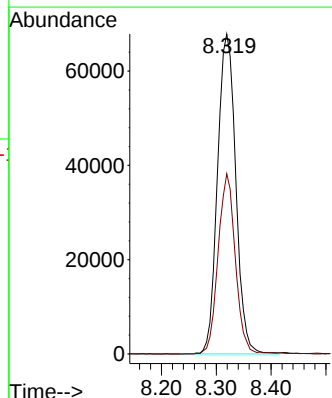
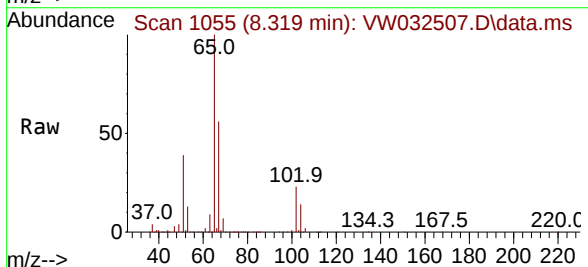
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

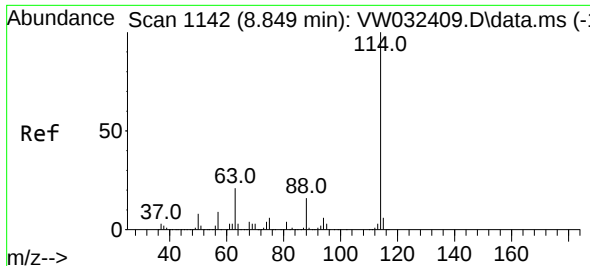
Tgt Ion: 56 Resp: 5263
Ion Ratio Lower Upper
56 100
69 172.5 26.5 39.7#
84 132.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 61.955 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion: 65 Resp: 157238
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

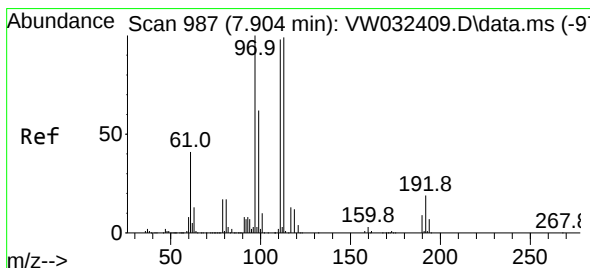
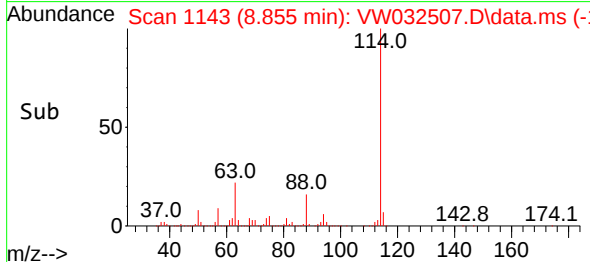
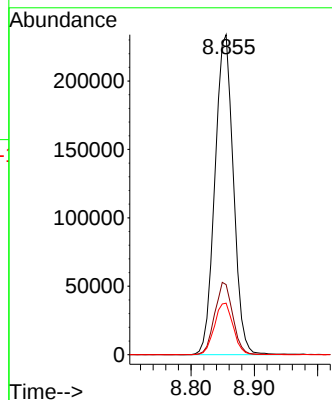
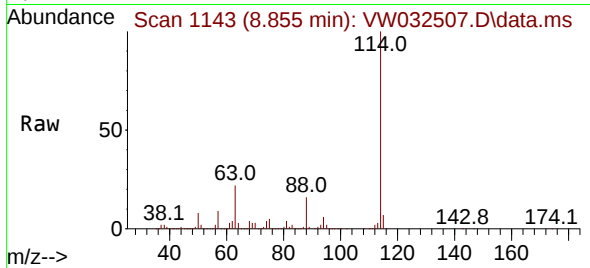




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032507.D
 Acq: 19 Nov 2025 16:53

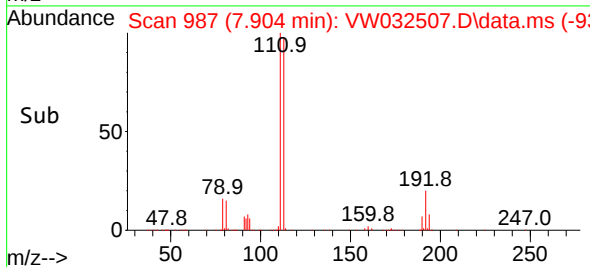
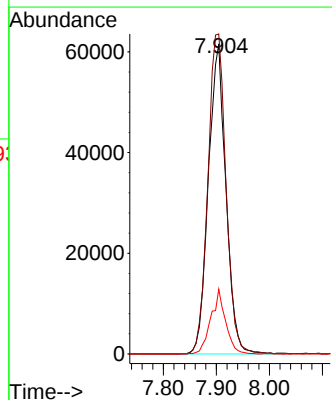
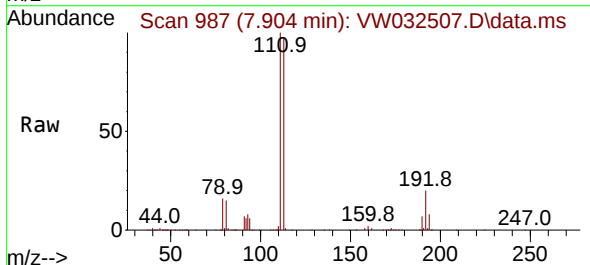
Instrument :
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 ClientSampleId :
 GP-B4(13.2)

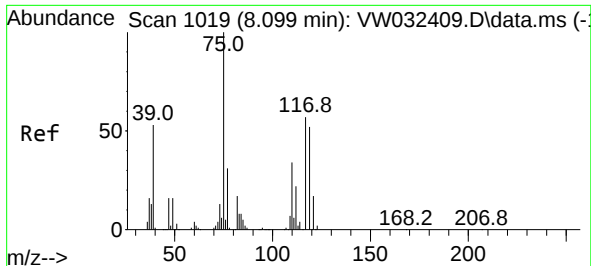
Tgt Ion:114 Resp: 473106
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.8
 88 16.1 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 49.967 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032507.D
 Acq: 19 Nov 2025 16:53

Tgt Ion:113 Resp: 141537
 Ion Ratio Lower Upper
 113 100
 111 107.1 83.1 124.7
 192 17.6 13.4 20.2

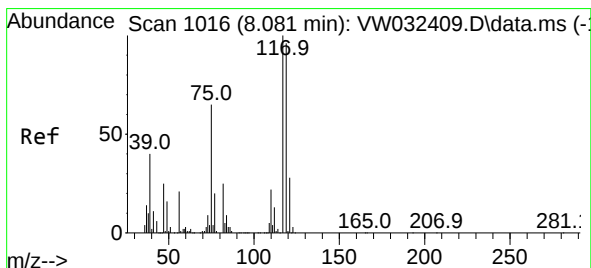
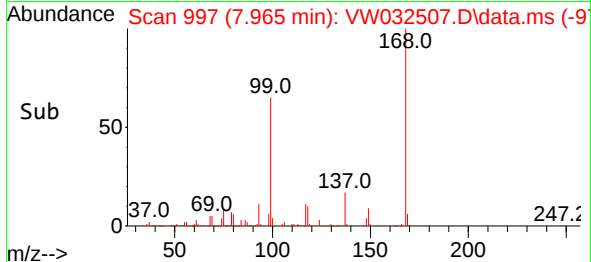
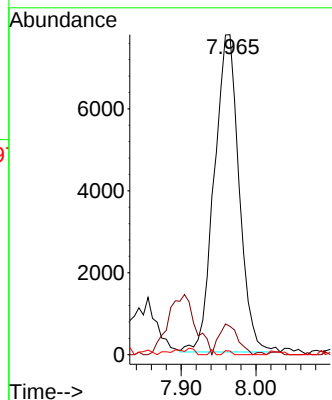
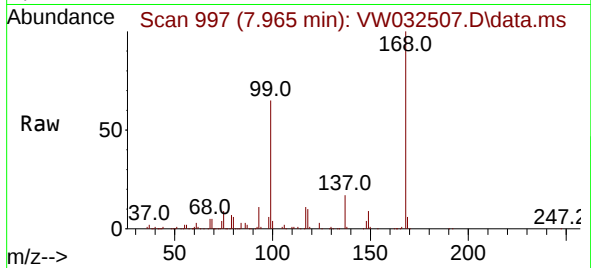




#36
 1,1-Dichloropropene
 Concen: 4.301 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032507.D
 Acq: 19 Nov 2025 16:53

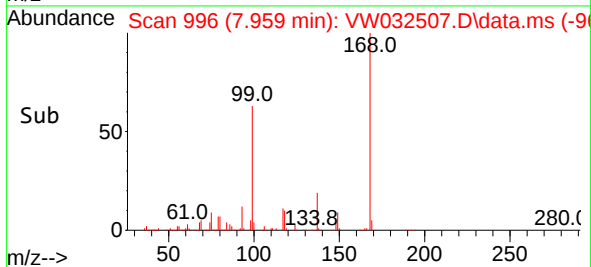
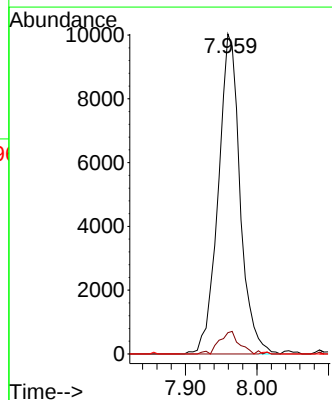
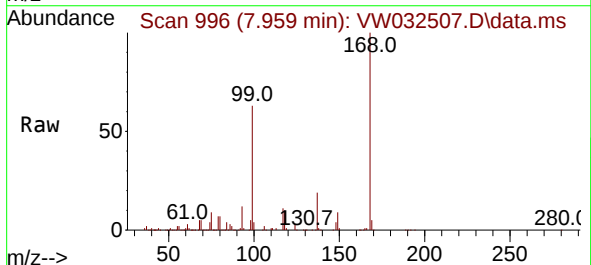
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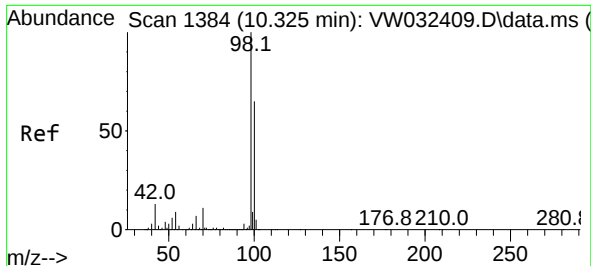
Tgt Ion: 75 Resp: 17949
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.2 51.5#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.740 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032507.D
 Acq: 19 Nov 2025 16:53

Tgt Ion: 117 Resp: 21287
 Ion Ratio Lower Upper
 117 100
 119 6.6 77.0 115.4#
 121 0.0 22.0 33.0#

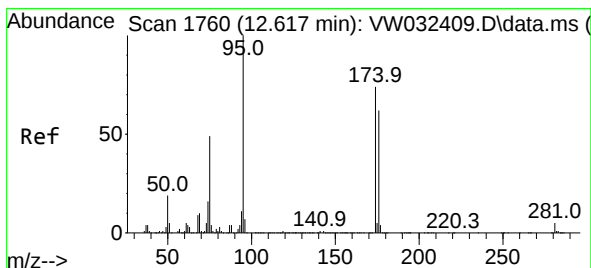
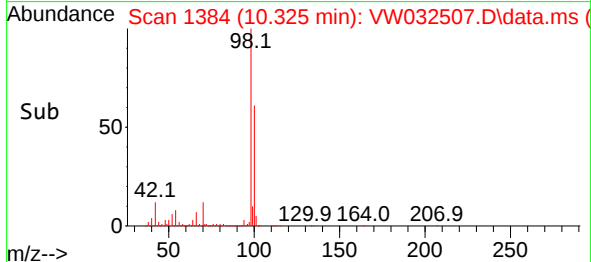
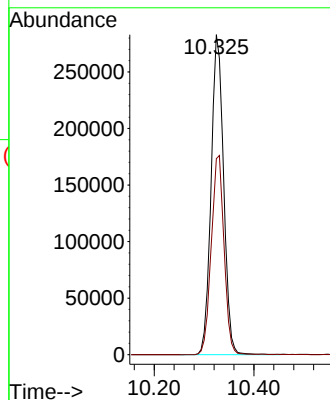
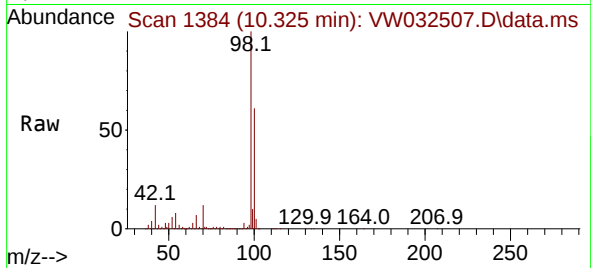




#50
Toluene-d8
Concen: 45.344 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

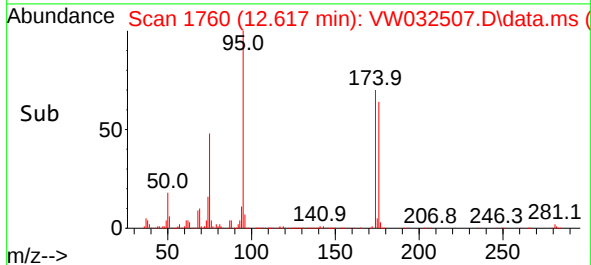
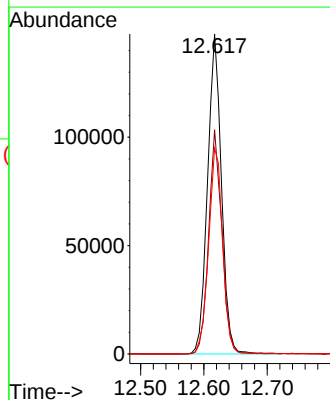
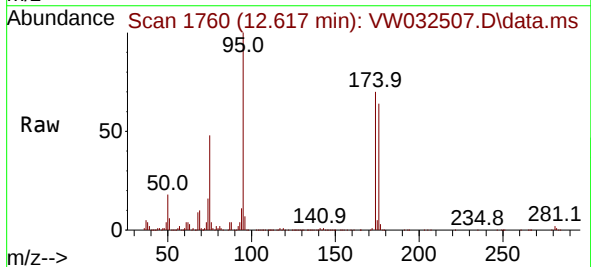
Instrument :
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ClientSampleId :
GP-B4(13.2)

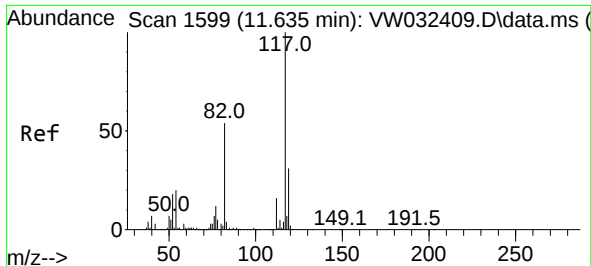
Tgt Ion: 98 Resp: 492746
Ion Ratio Lower Upper
98 100
100 63.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.015 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion: 95 Resp: 225841
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.4
176 64.8 0.0 131.8

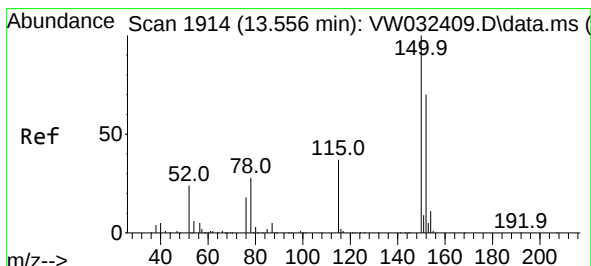
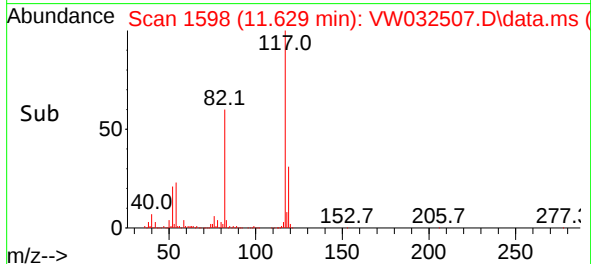
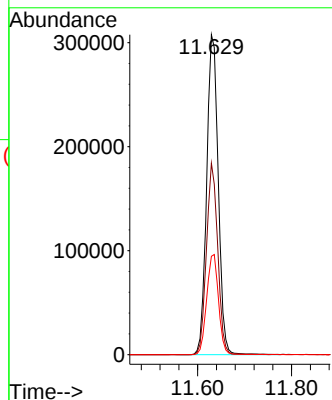
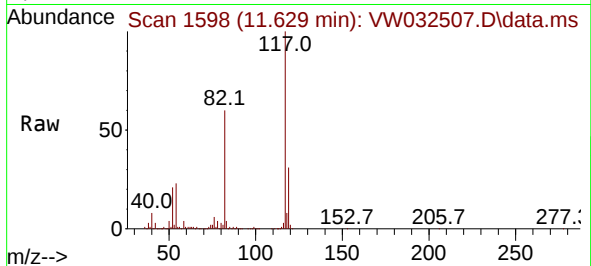




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

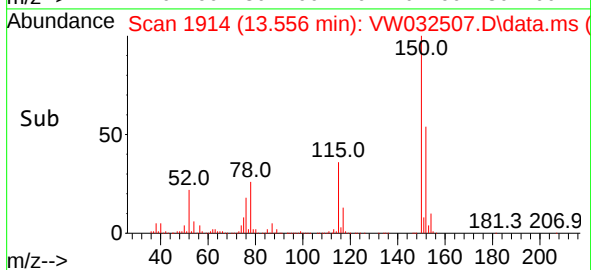
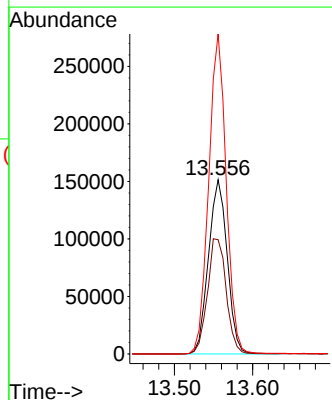
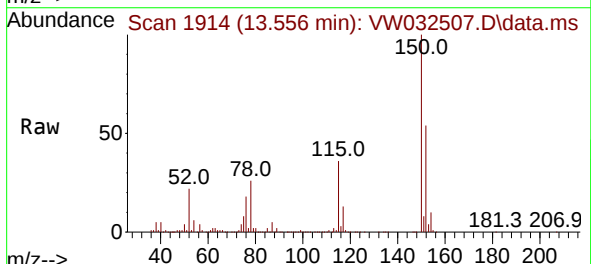
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

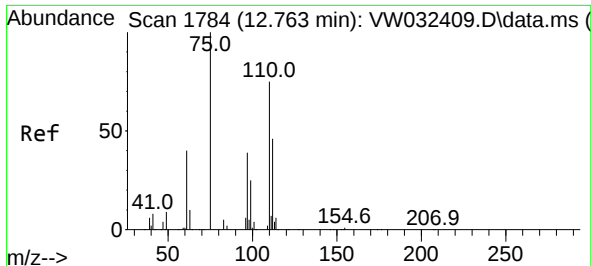
Tgt Ion:117 Resp: 523826
Ion Ratio Lower Upper
117 100
82 59.9 43.0 64.4
119 30.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion:152 Resp: 252059
Ion Ratio Lower Upper
152 100
115 66.3 32.8 98.3
150 171.4 0.0 356.6

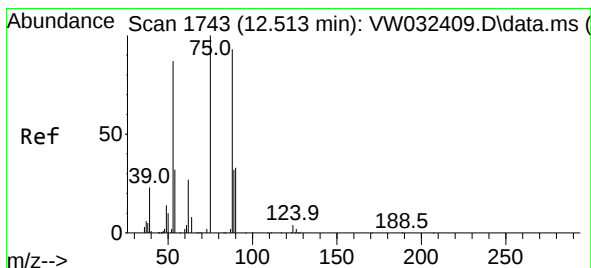
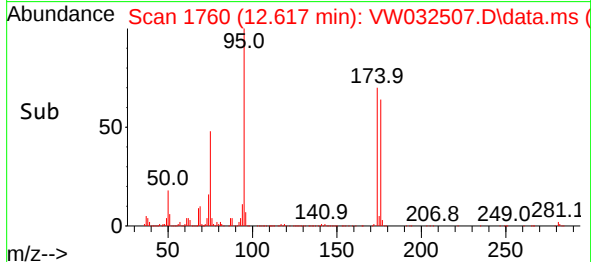
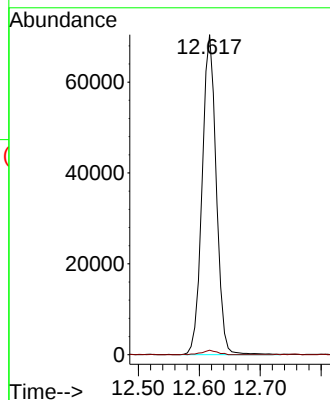
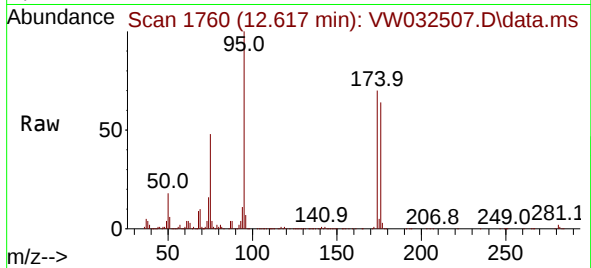




#76
1,2,3-Trichloropropane
Concen: 32.905 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Instrument :
MSVOA_W
ClientSampleId :
GP-B4(13.2)

Tgt Ion: 75 Resp: 113726
Ion Ratio Lower Upper
75 100
77 1.5 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.368 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032507.D
Acq: 19 Nov 2025 16:53

Tgt Ion: 75 Resp: 113726
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 35.6 53.4#

