

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032503.D
 Acq On : 19 Nov 2025 15:26
 Operator : SY/MD
 Sample : Q3619-03
 Misc : 5.65g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(8-12)

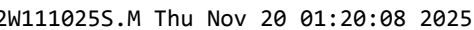
Quant Time: Nov 20 01:19:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	207862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	484285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	495149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154596	57.689	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 115.380%		
35) Dibromofluoromethane	7.898	113	141993	48.971	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.940%		
50) Toluene-d8	10.325	98	488966	43.958	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 87.920%		
62) 4-Bromofluorobenzene	12.617	95	238533	56.766	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 113.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	273	1.178	ug/l #	1
13) Acrolein	3.935	56	534	1.373	ug/l #	14
16) Acetone	4.167	43	29376	36.640	ug/l	99
18) Methyl Acetate	4.710	43	12156	6.123	ug/l	99
20) Methylene Chloride	4.960	84	46122	16.086	ug/l	89
25) 2-Butanone	7.197	43	10191	8.628	ug/l	94
31) Cyclohexane	7.959	56	5457	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18283	4.280	ug/l #	48
37) Ethyl Acetate	7.197	43	10191	3.208	ug/l #	69
38) Carbon Tetrachloride	7.959	117	21877	5.763	ug/l #	17
49) 1,4-Dioxane	9.483	88	44	1.569	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.702	83	7735	1.942	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	118411	37.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	118411	86.561	ug/l #	11

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

Quant Time: Nov 20 01:19:59 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

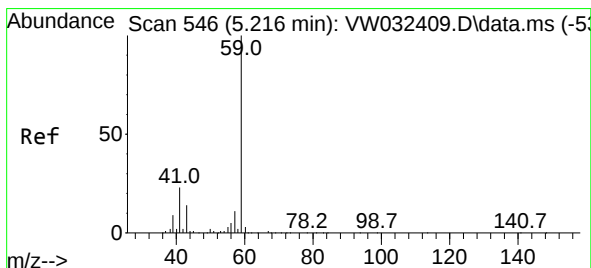
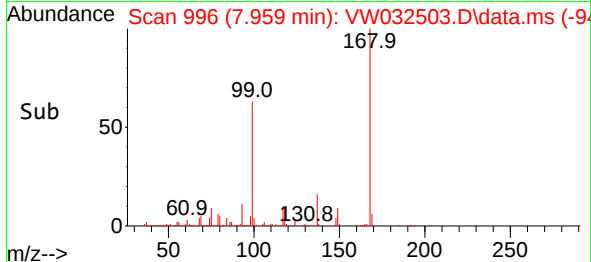
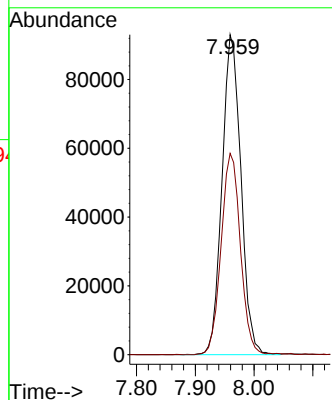
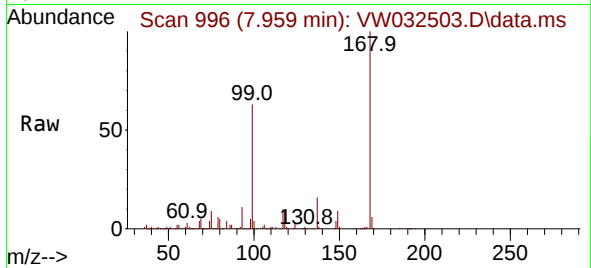




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

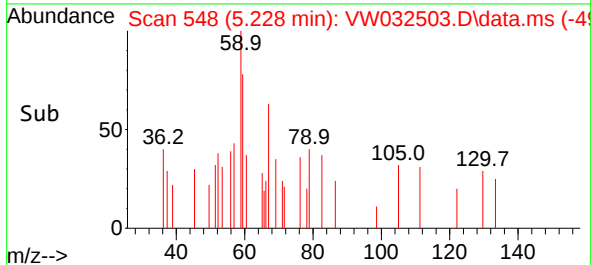
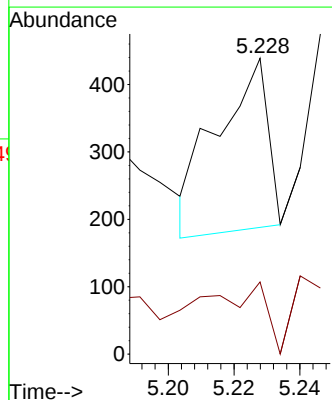
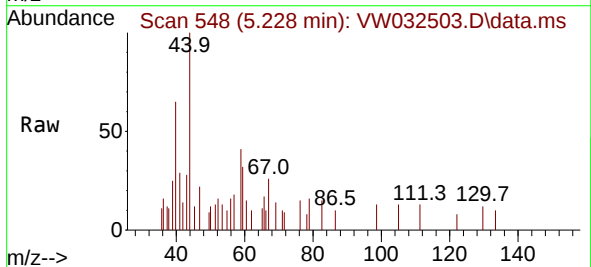
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

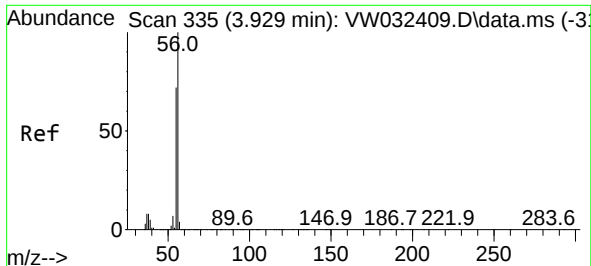
Tgt Ion:168 Resp: 207862
Ion Ratio Lower Upper
168 100
99 62.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.178 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 55.3 8.6 12.8#

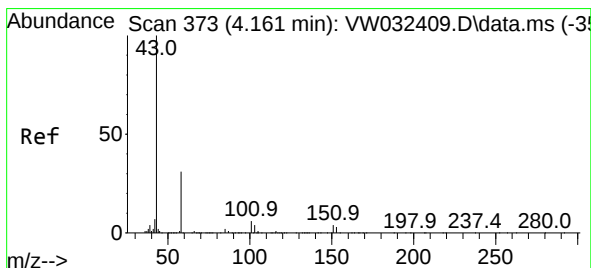
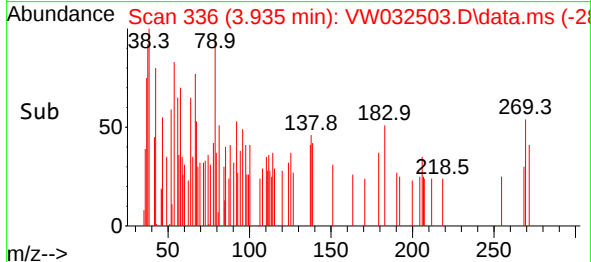
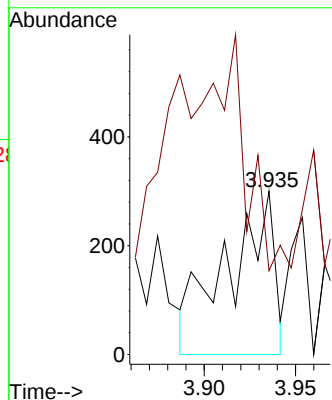
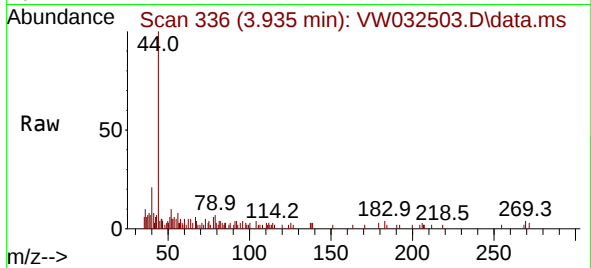




#13
Acrolein
Concen: 1.373 ug/l
RT: 3.935 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

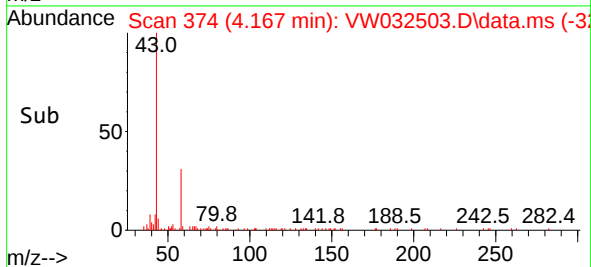
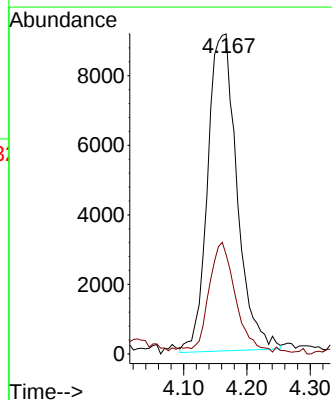
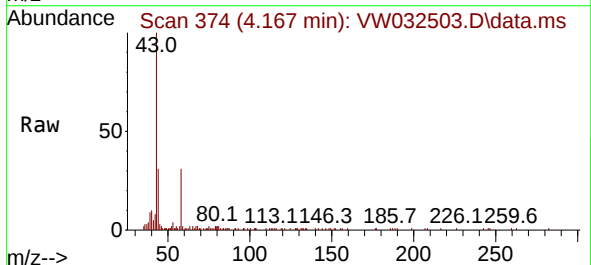
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

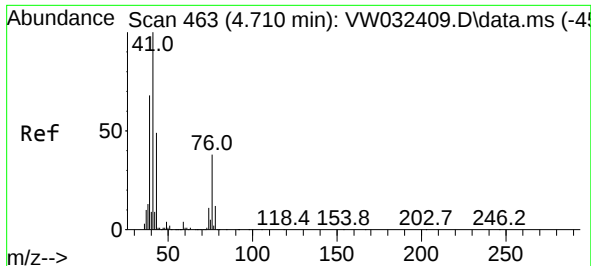
Tgt Ion: 56 Resp: 534
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 36.640 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 43 Resp: 29376
Ion Ratio Lower Upper
43 100
58 30.4 24.8 37.2

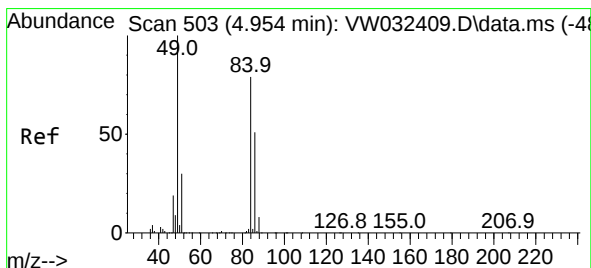
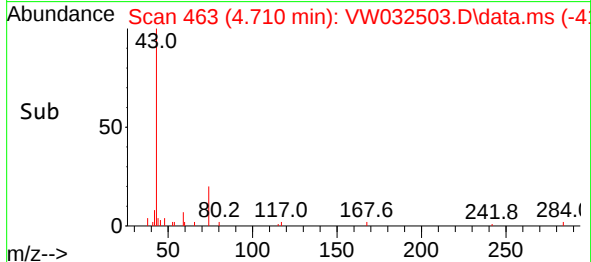
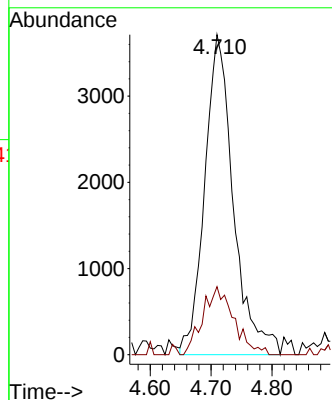
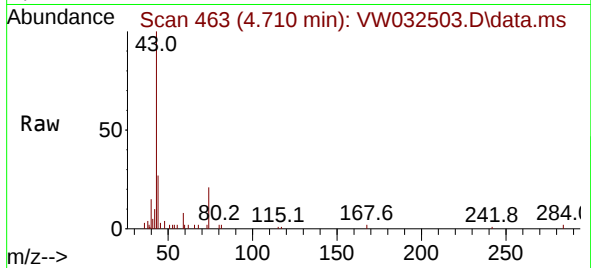




#18
Methyl Acetate
Concen: 6.123 ug/l
RT: 4.710 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

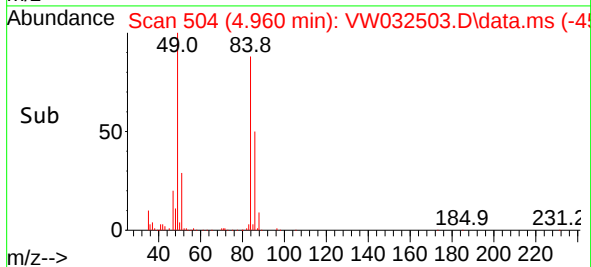
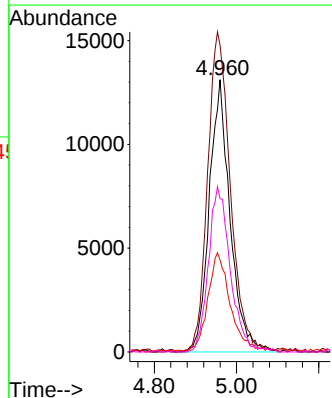
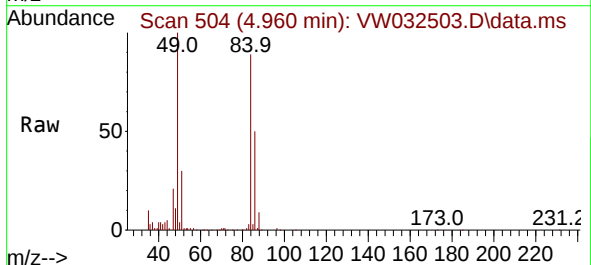
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

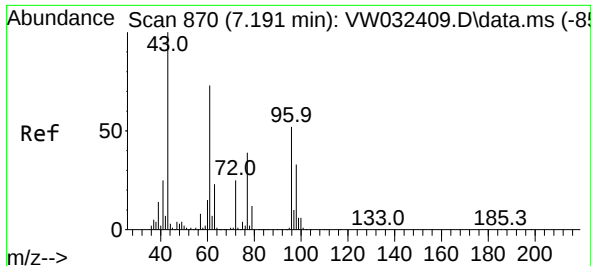
Tgt Ion: 43 Resp: 12156
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3



#20
Methylene Chloride
Concen: 16.086 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 84 Resp: 46122
Ion Ratio Lower Upper
84 100
49 112.2 101.5 152.3
51 33.8 30.6 46.0
86 56.4 51.9 77.9

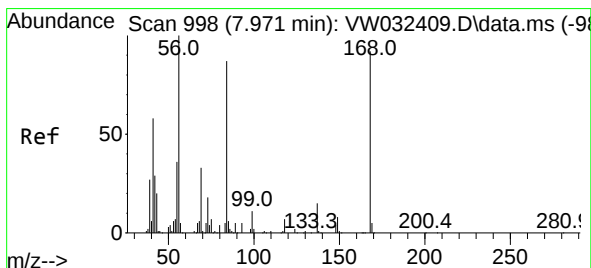
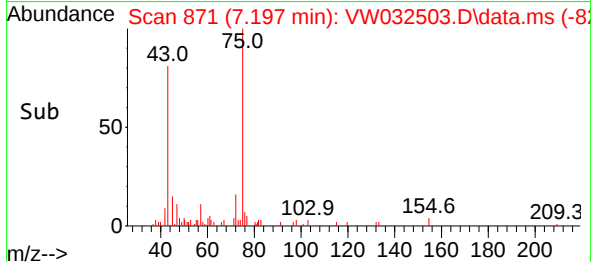
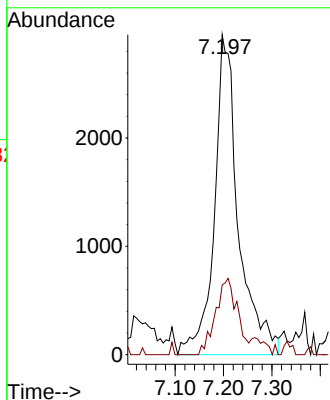
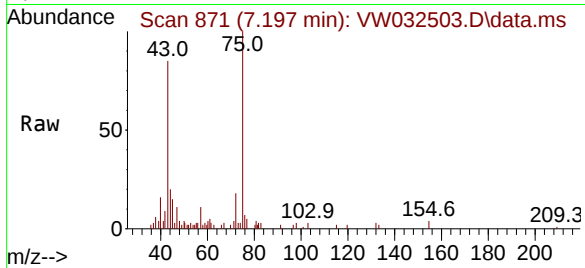




#25
2-Butanone
Concen: 8.628 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

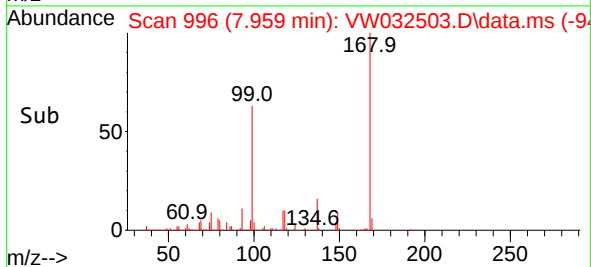
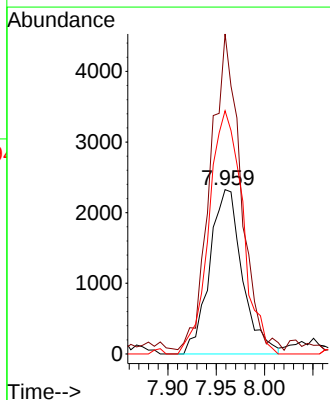
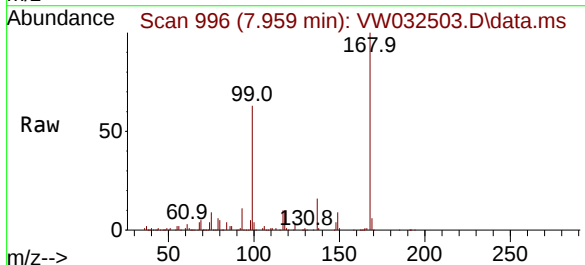
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

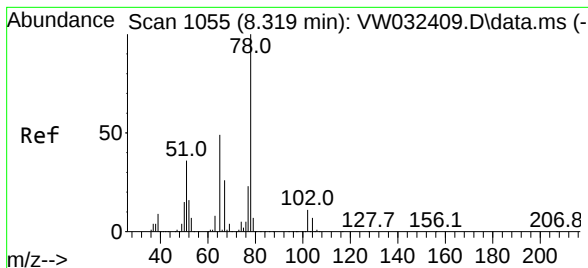
Tgt Ion: 43 Resp: 10191
Ion Ratio Lower Upper
43 100
72 21.8 20.0 30.0



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 56 Resp: 5457
Ion Ratio Lower Upper
56 100
69 192.1 26.5 39.7#
84 148.0 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 57.689 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

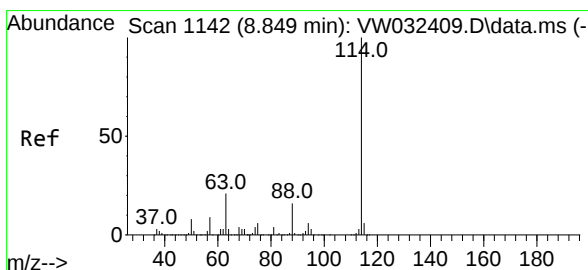
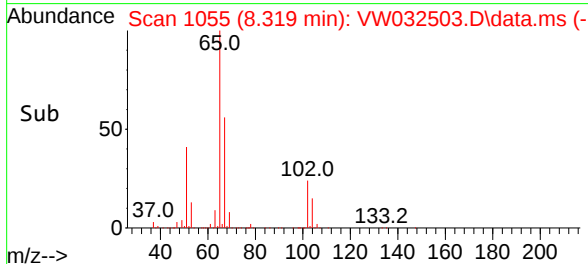
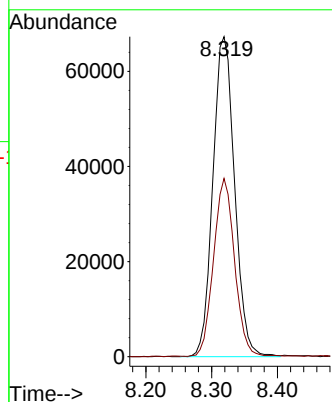
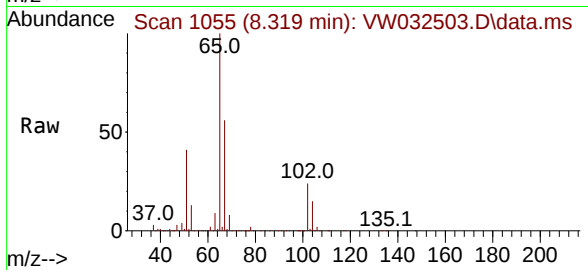
GP-B1(8-12)

Tgt Ion: 65 Resp: 154596

Ion Ratio Lower Upper

65 100

67 53.9 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: VW032503.D

Acq: 19 Nov 2025 15:26

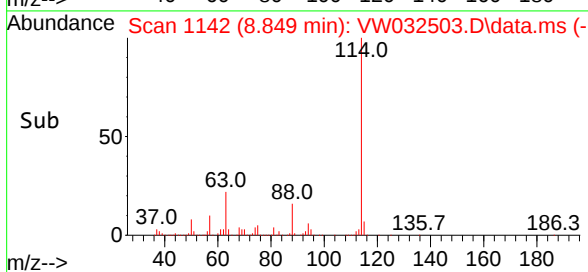
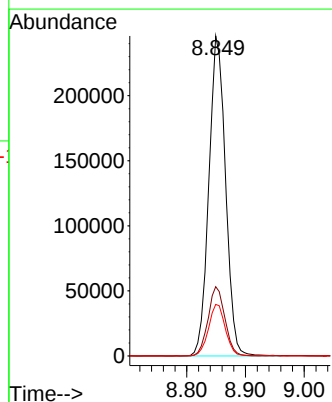
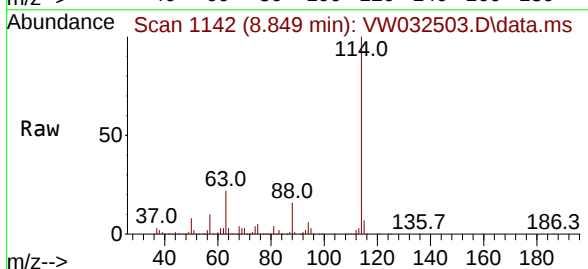
Tgt Ion: 114 Resp: 484285

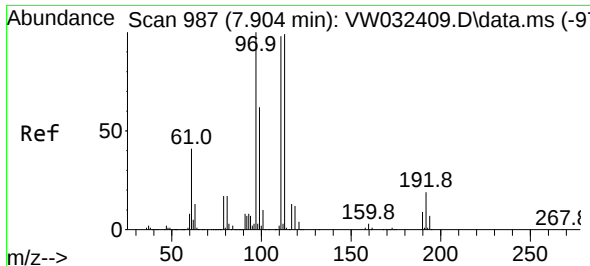
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.1 0.0 32.6

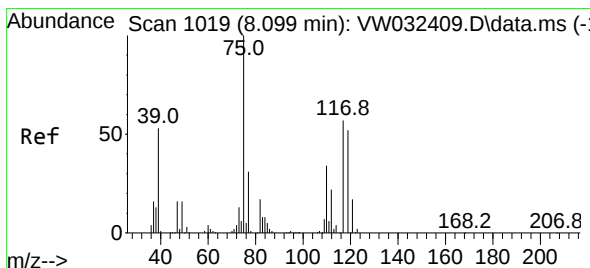
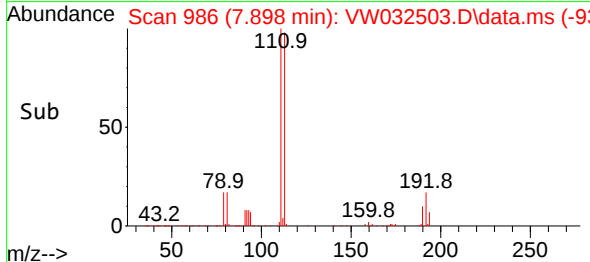
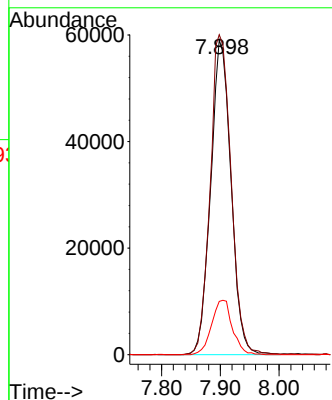
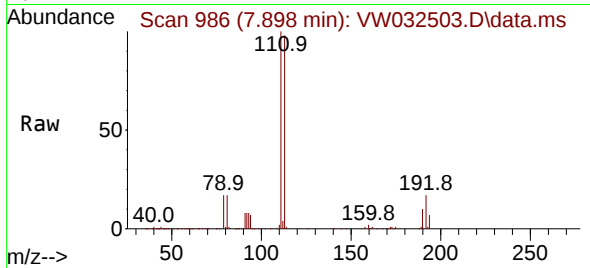




#35
Dibromofluoromethane
Concen: 48.971 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

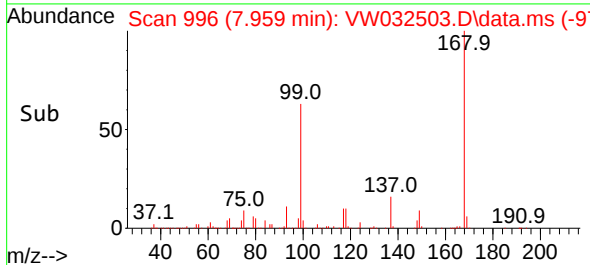
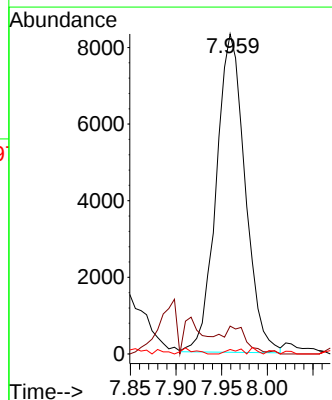
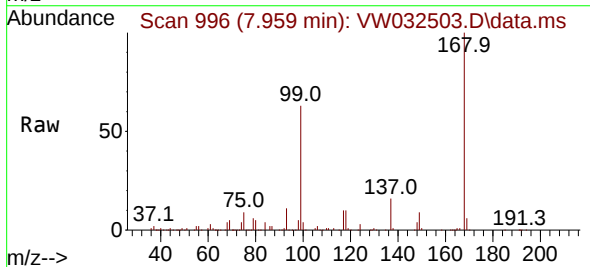
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

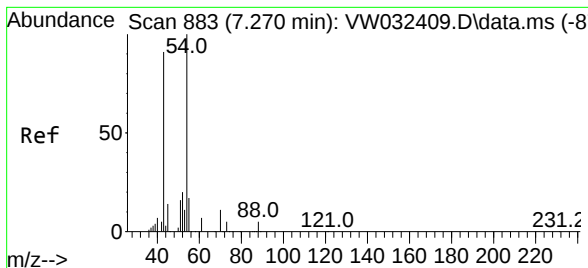
Tgt Ion:113 Resp: 141993
Ion Ratio Lower Upper
113 100
111 104.7 83.1 124.7
192 17.6 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 75 Resp: 18283
Ion Ratio Lower Upper
75 100
110 5.8 17.2 51.5#
77 0.8 24.5 36.7#





#37

Ethyl Acetate

Concen: 3.208 ug/l

RT: 7.197 min Scan# 81

Delta R.T. -0.073 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

GP-B1(8-12)

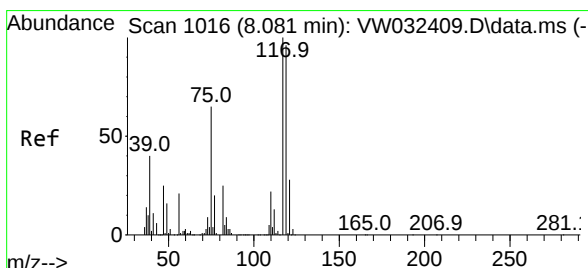
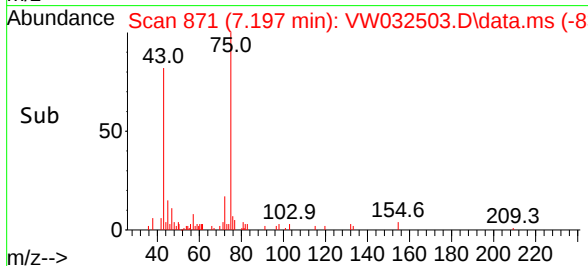
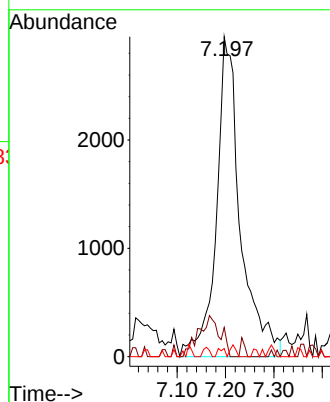
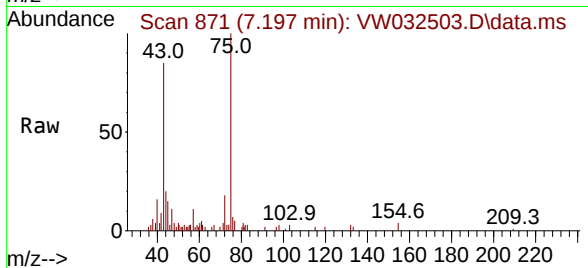
Tgt Ion: 43 Resp: 10191

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.7 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

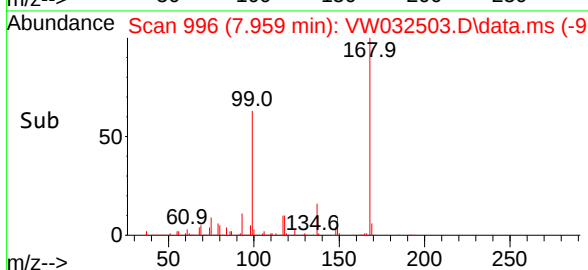
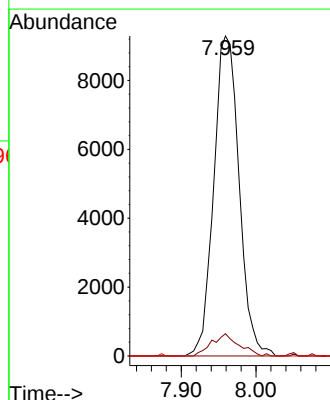
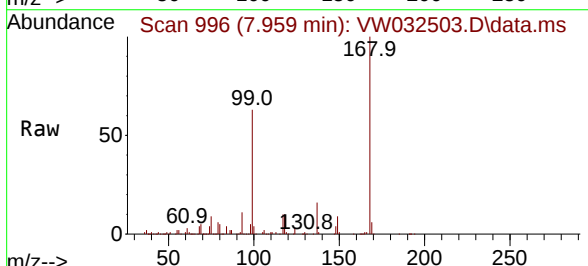
Tgt Ion: 117 Resp: 21877

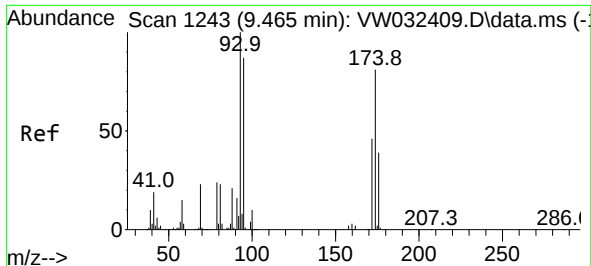
Ion Ratio Lower Upper

117 100

119 7.0 77.0 115.4#

121 0.0 22.0 33.0#

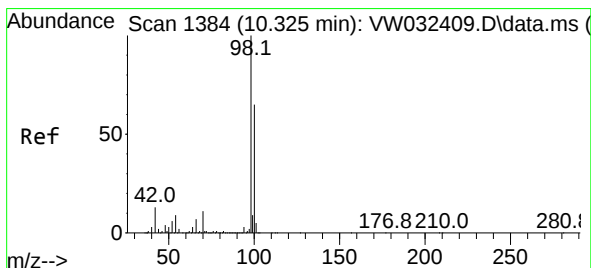
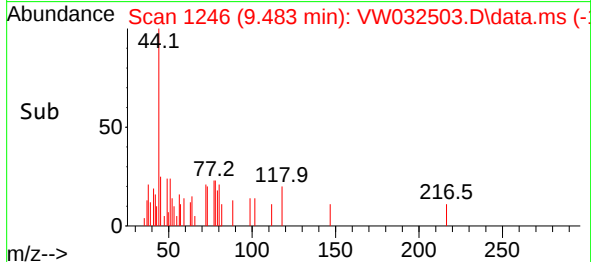
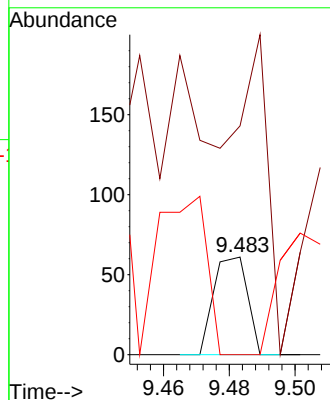
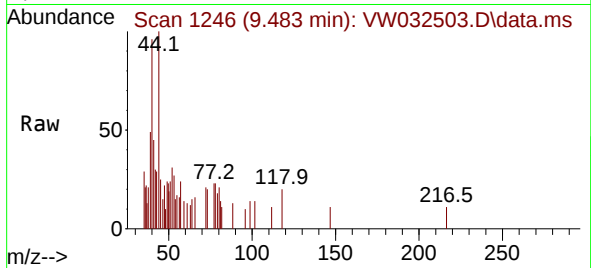




#49
1,4-Dioxane
Concen: 1.569 ug/l
RT: 9.483 min Scan# 11
Delta R.T. 0.018 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

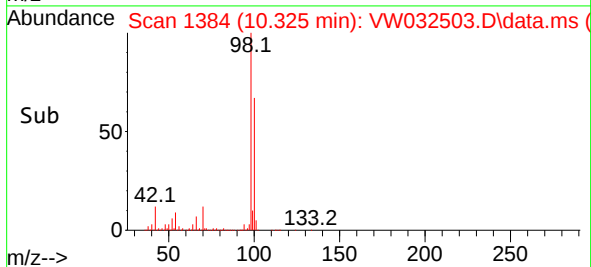
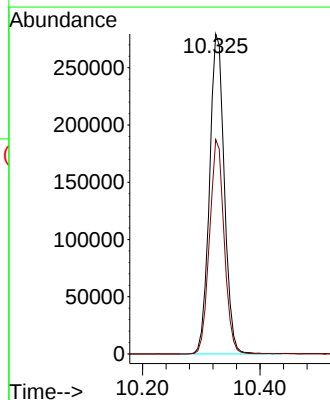
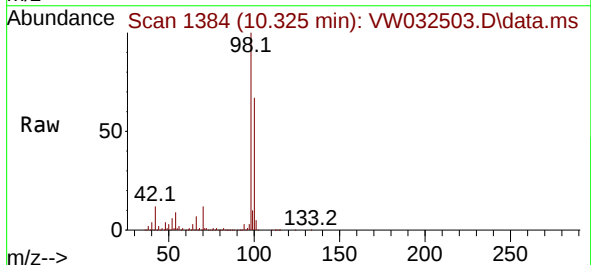
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

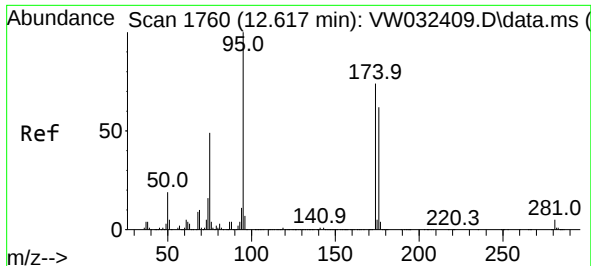
Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 229.5 63.0 94.4#



#50
Toluene-d8
Concen: 43.958 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 98 Resp: 488966
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

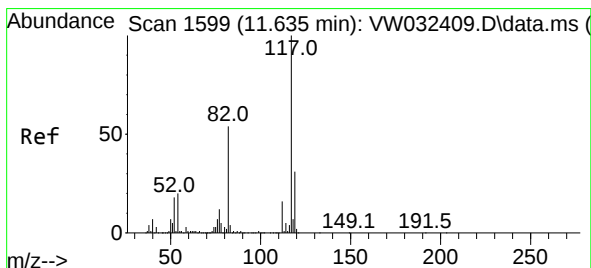
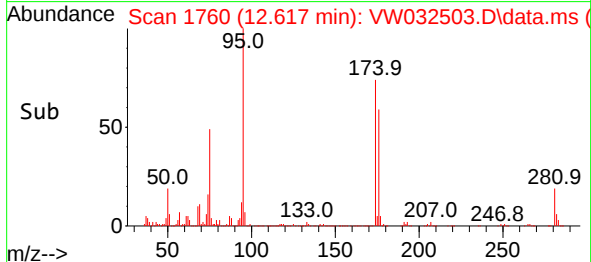
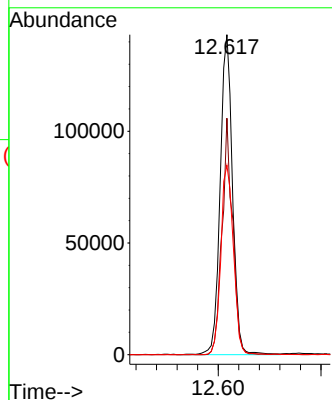
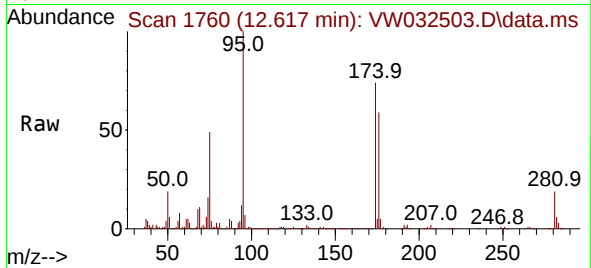




#62
4-Bromofluorobenzene
Concen: 56.766 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

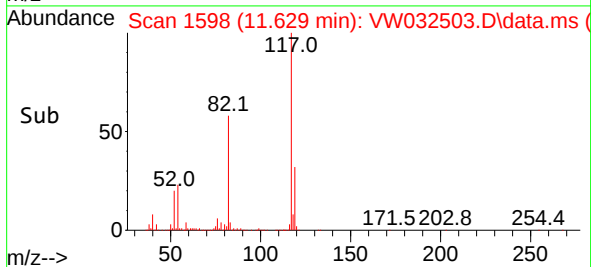
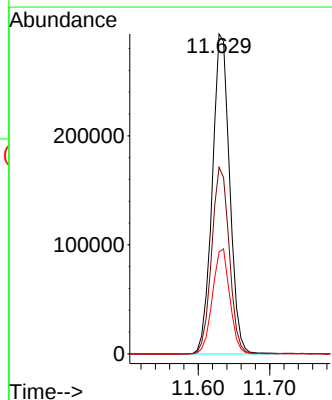
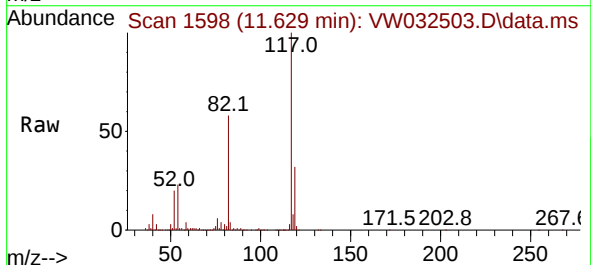
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(8-12)

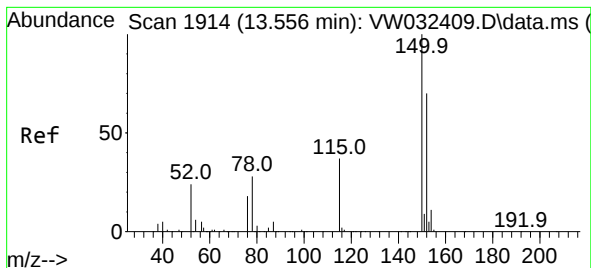
Tgt Ion: 95 Resp: 238533
Ion Ratio Lower Upper
95 100
174 64.2 0.0 135.4
176 60.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032503.D
Acq: 19 Nov 2025 15:26

Tgt Ion: 117 Resp: 495149
Ion Ratio Lower Upper
117 100
82 58.3 43.0 64.4
119 31.9 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: VW032503.D

Acq: 19 Nov 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

GP-B1(8-12)

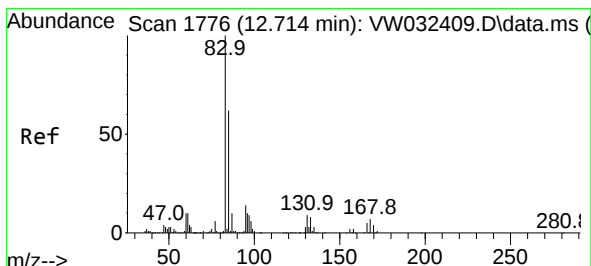
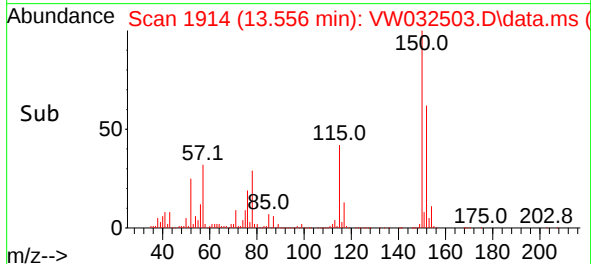
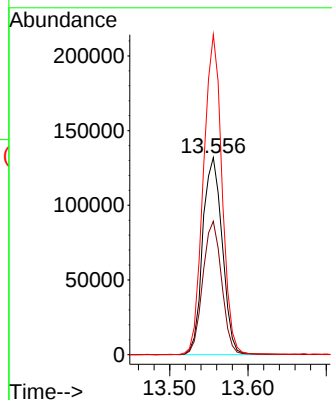
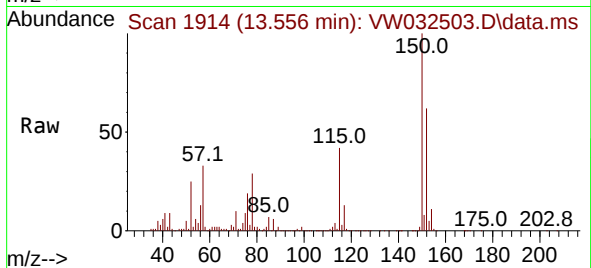
Tgt Ion:152 Resp: 228506

Ion Ratio Lower Upper

152 100

115 65.5 32.8 98.3

150 154.0 0.0 356.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.942 ug/l

RT: 12.702 min Scan# 1774

Delta R.T. -0.012 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

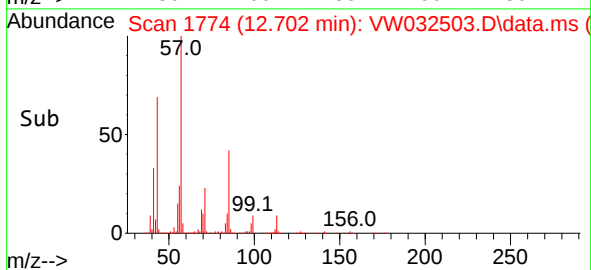
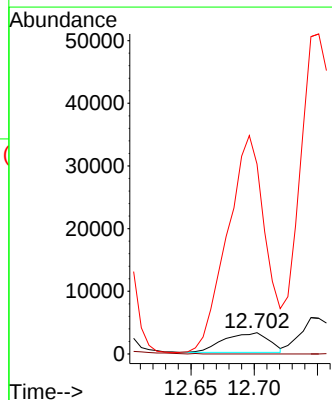
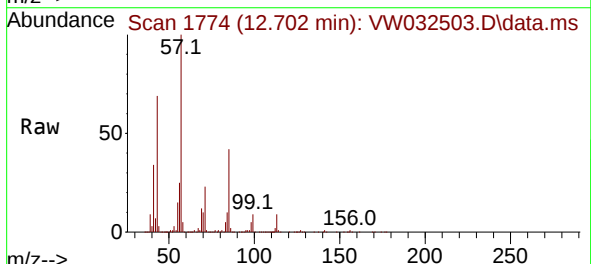
Tgt Ion: 83 Resp: 7735

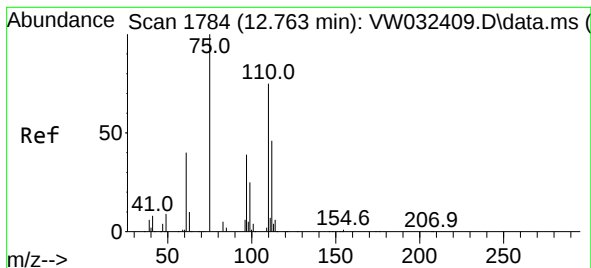
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 939.3 31.6 94.8#





#76

1,2,3-Trichloropropane

Concen: 37.792 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

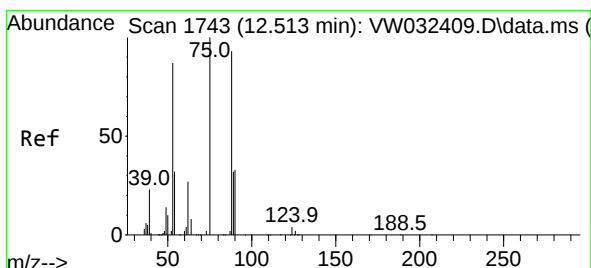
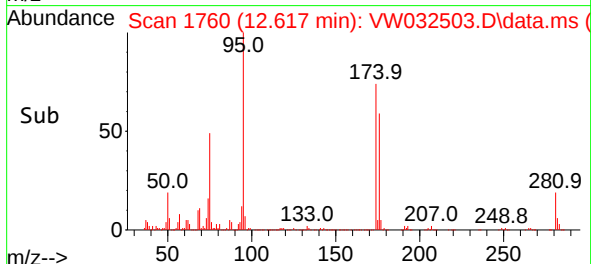
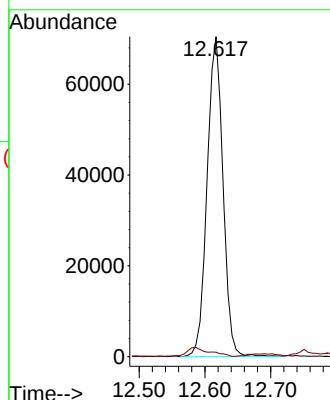
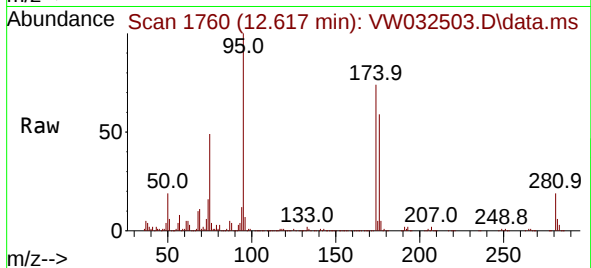
GP-B1(8-12)

Tgt Ion: 75 Resp: 118411

Ion Ratio Lower Upper

75 100

77 0.0 151.6 454.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.561 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032503.D

Acq: 19 Nov 2025 15:26

Tgt Ion: 75 Resp: 118411

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 35.6 53.4#

