

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032426.D
 Acq On : 11 Nov 2025 13:32
 Operator : SY/MD
 Sample : Q3582-04
 Misc : 4.79g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT4912

Quant Time: Nov 12 03:49:04 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)

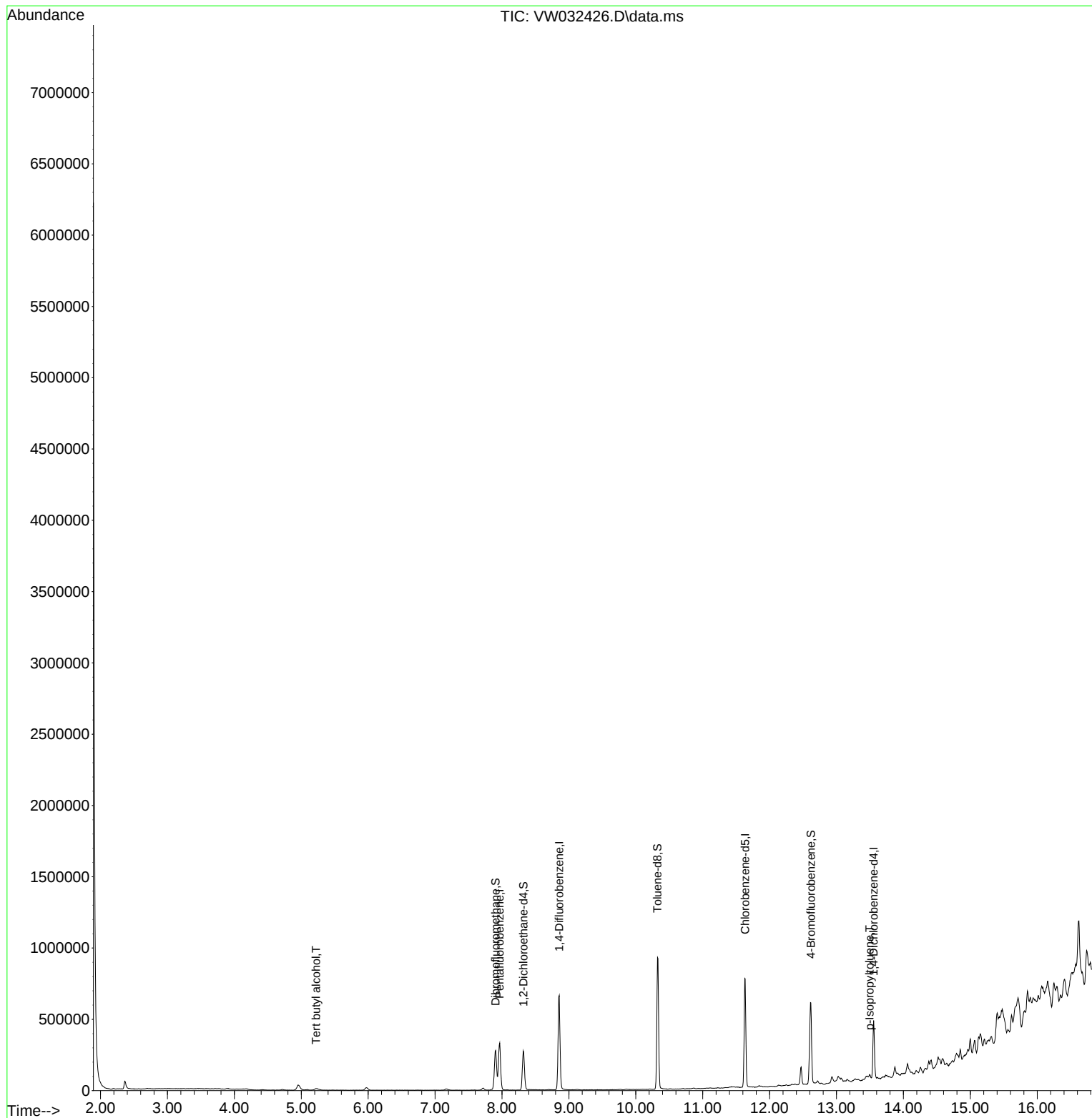
Internal Standards						
1) Pentafluorobenzene	7.965	168	237266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	549603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	425969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	103284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	223133	72.945	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 145.880%			
35) Dibromofluoromethane	7.904	113	205583	62.476	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 124.960%			
50) Toluene-d8	10.325	98	630215	49.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.617	95	172816	36.239	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 72.480%			
Target Compounds						
11) Tert butyl alcohol	5.222	59	22349	84.494	ug/l #	86
86) p-Isopropyltoluene	13.495	119	9649	1.441	ug/l	89

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

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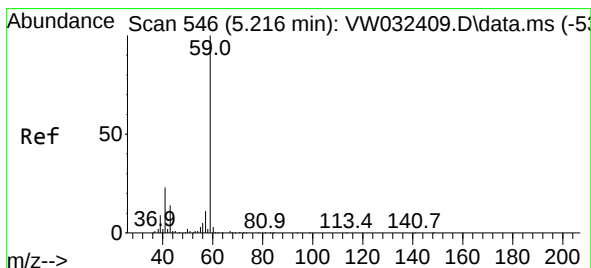
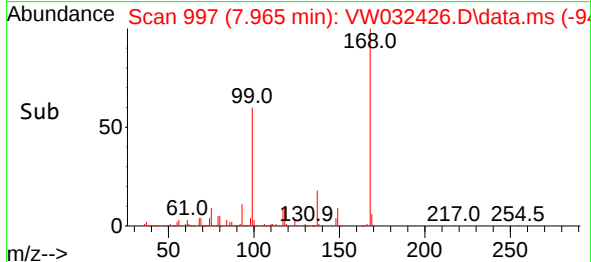
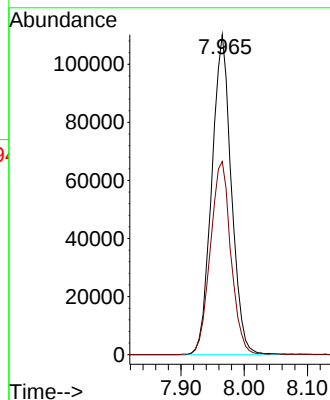
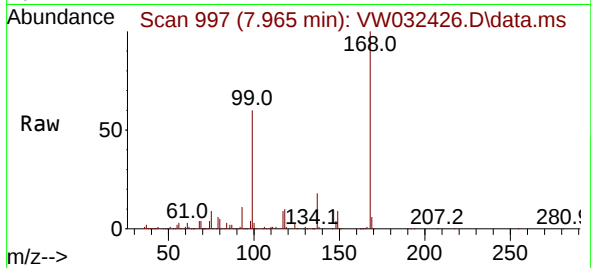




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

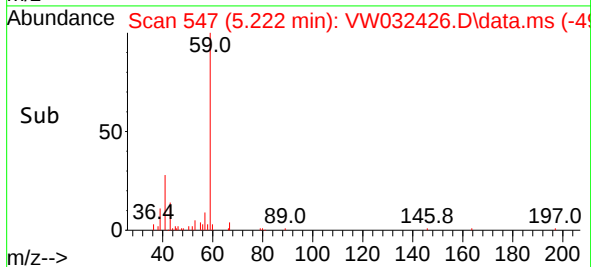
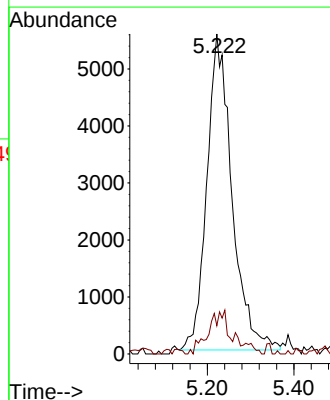
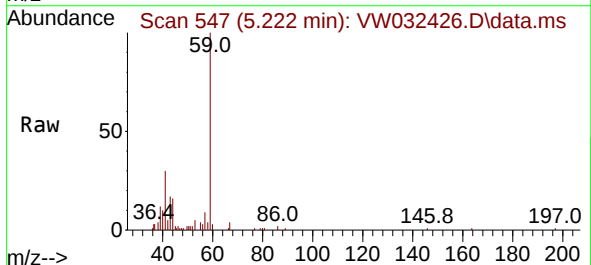
Instrument :
MSVOA_W
ClientSampleId :
RT4912

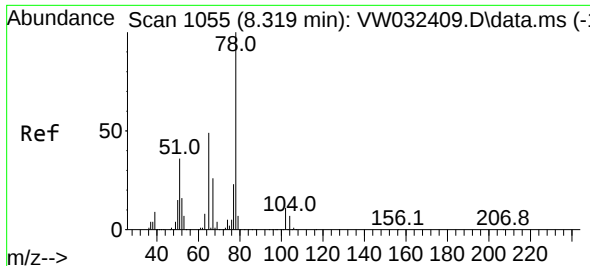
Tgt Ion:168 Resp: 237266
Ion Ratio Lower Upper
168 100
99 60.3 45.4 68.2



#11
Tert butyl alcohol
Concen: 84.494 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

Tgt Ion: 59 Resp: 22349
Ion Ratio Lower Upper
59 100
57 5.6 8.6 12.8#

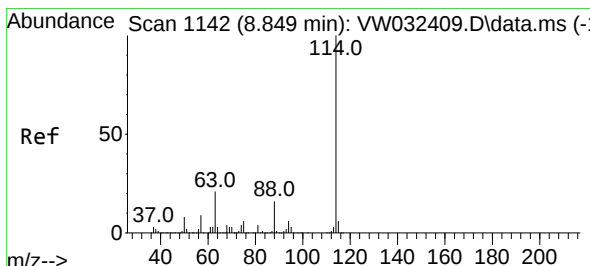
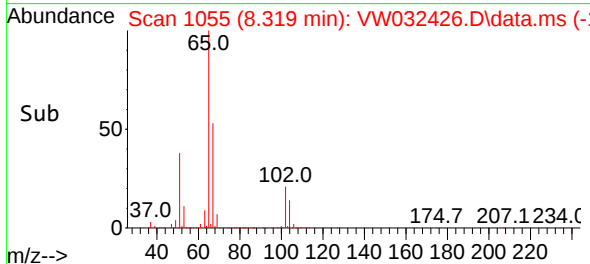
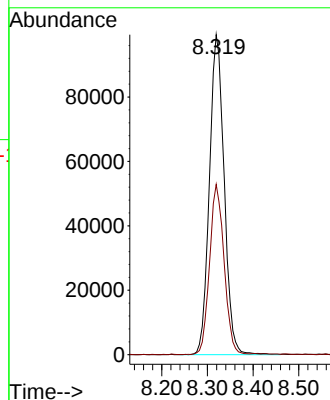
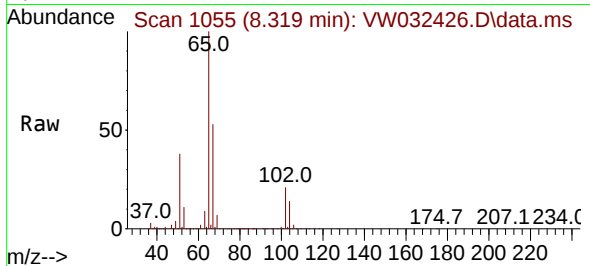




#33
 1,2-Dichloroethane-d4
 Concen: 72.945 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032426.D
 Acq: 11 Nov 2025 13:32

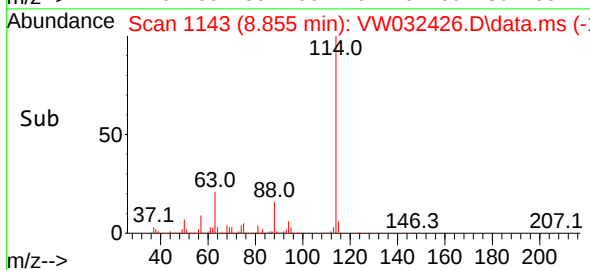
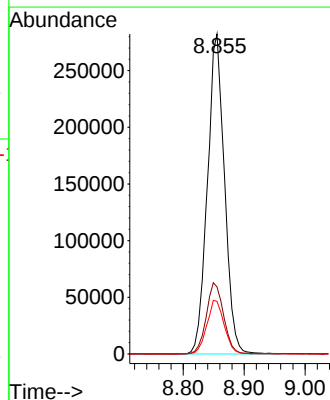
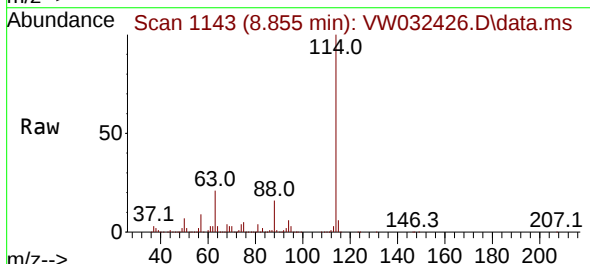
Instrument :
 MSVOA_W
 ClientSampleId :
 RT4912

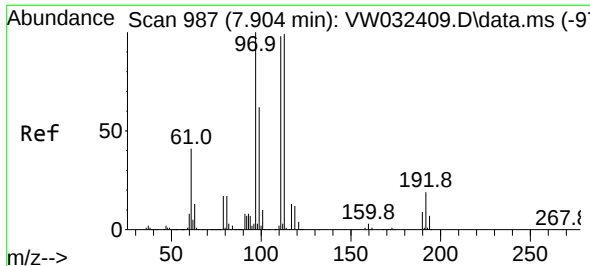
Tgt Ion: 65 Resp: 223133
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032426.D
 Acq: 11 Nov 2025 13:32

Tgt Ion: 114 Resp: 549603
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 16.4 0.0 32.6

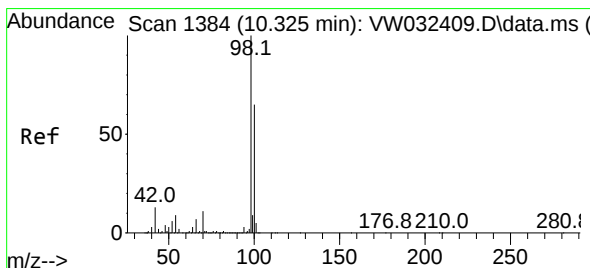
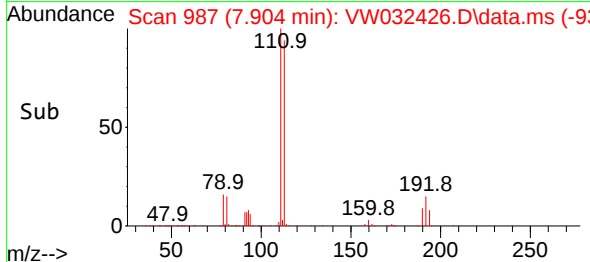
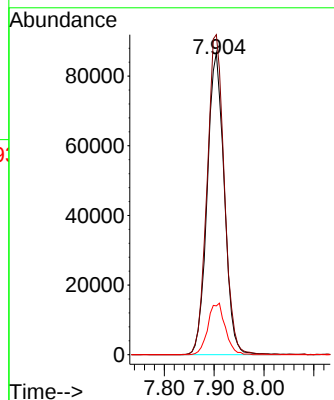
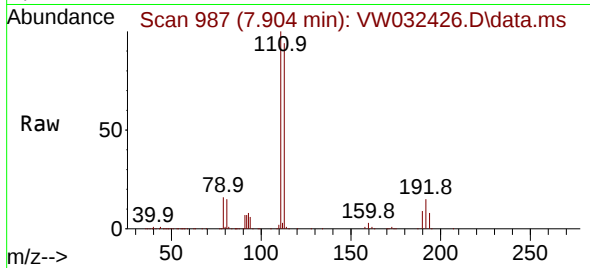




#35
Dibromofluoromethane
Concen: 62.476 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

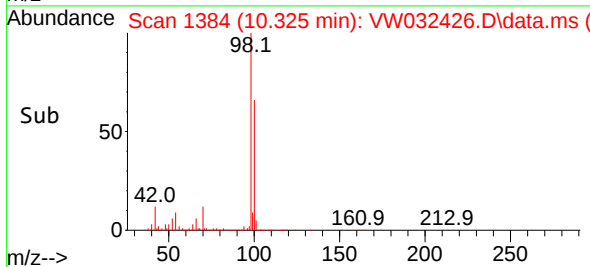
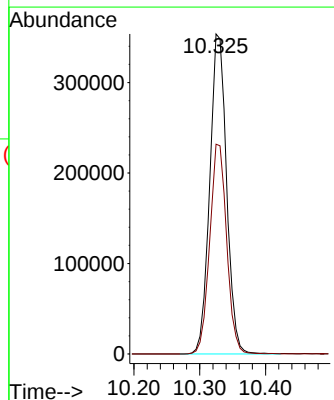
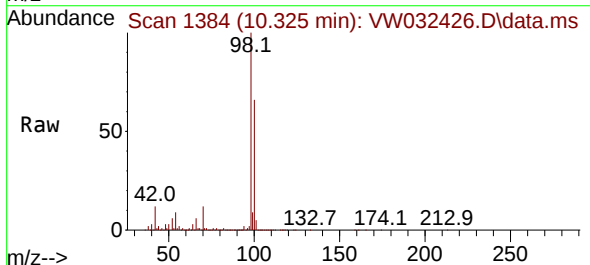
Instrument :
MSVOA_W
ClientSampleId :
RT4912

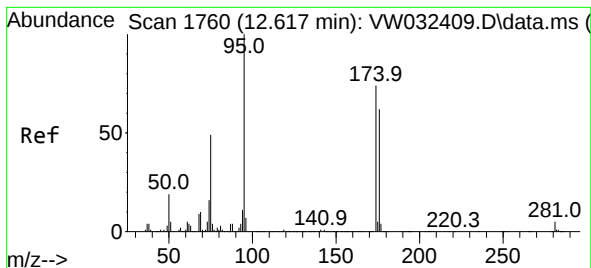
Tgt Ion:113 Resp: 205583
Ion Ratio Lower Upper
113 100
111 107.2 83.1 124.7
192 17.4 13.4 20.2



#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

Tgt Ion: 98 Resp: 630215
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9

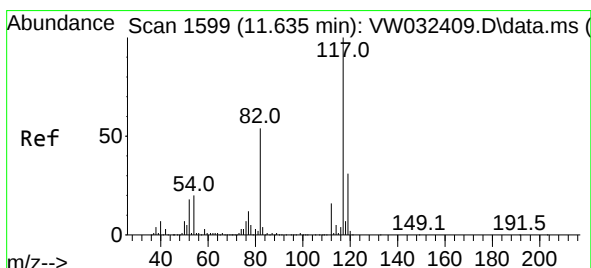
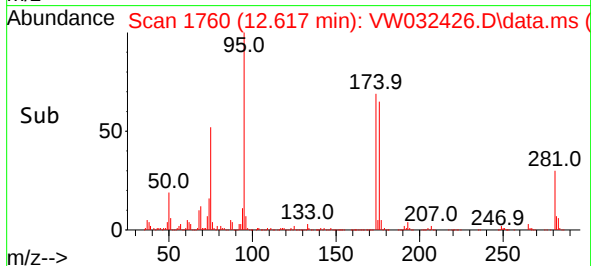
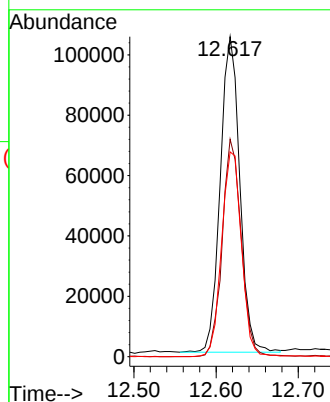
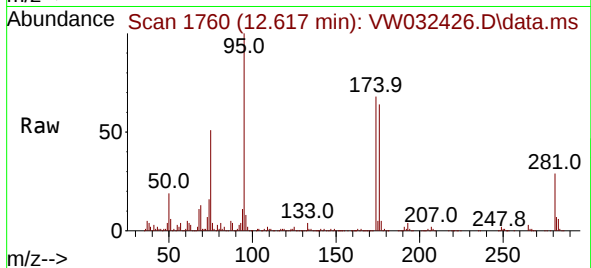




#62
4-Bromofluorobenzene
Concen: 36.239 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

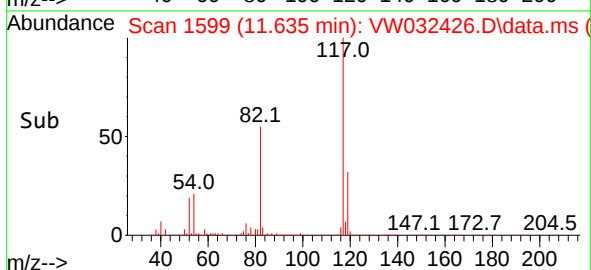
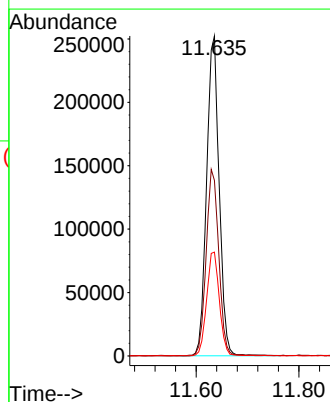
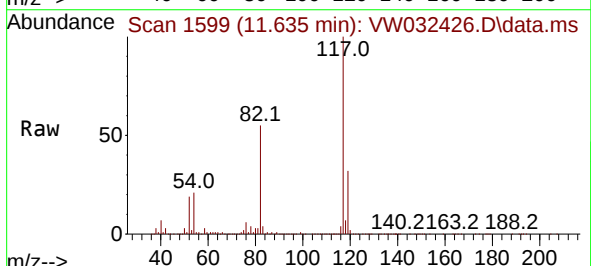
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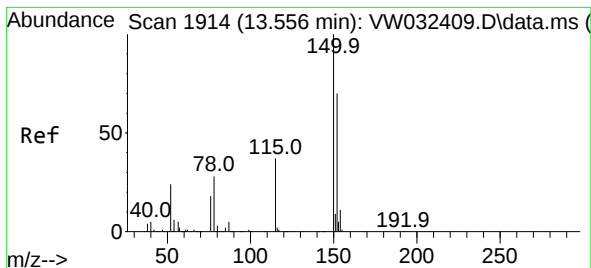
Tgt Ion: 95 Resp: 172816
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.4
176 65.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032426.D
Acq: 11 Nov 2025 13:32

Tgt Ion: 117 Resp: 425969
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 32.4 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: VW032426.D

Acq: 11 Nov 2025 13:32

Instrument :

MSVOA_W

ClientSampleId :

RT4912

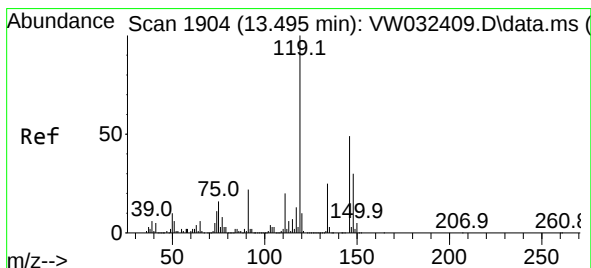
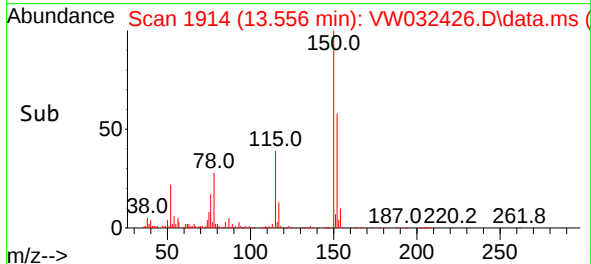
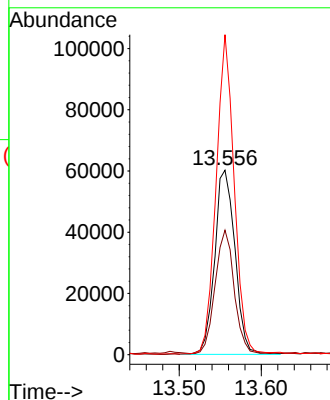
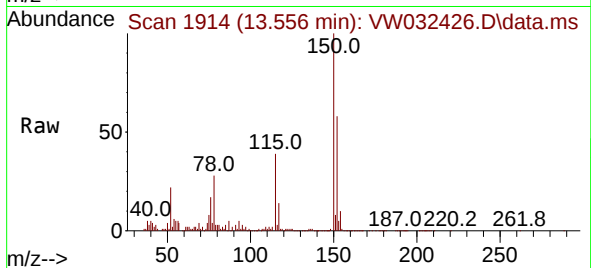
Tgt Ion:152 Resp: 103284

Ion Ratio Lower Upper

152 100

115 62.6 32.8 98.3

150 154.6 0.0 356.6



#86

p-Isopropyltoluene

Concen: 1.441 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032426.D

Acq: 11 Nov 2025 13:32

Tgt Ion:119 Resp: 9649

Ion Ratio Lower Upper

119 100

134 31.8 12.7 38.1

91 28.5 11.9 35.5

