

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032017.D
 Acq On : 05 Aug 2025 16:48
 Operator : SY/MD
 Sample : Q2772-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B-SOIL

Quant Time: Aug 06 03:56:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

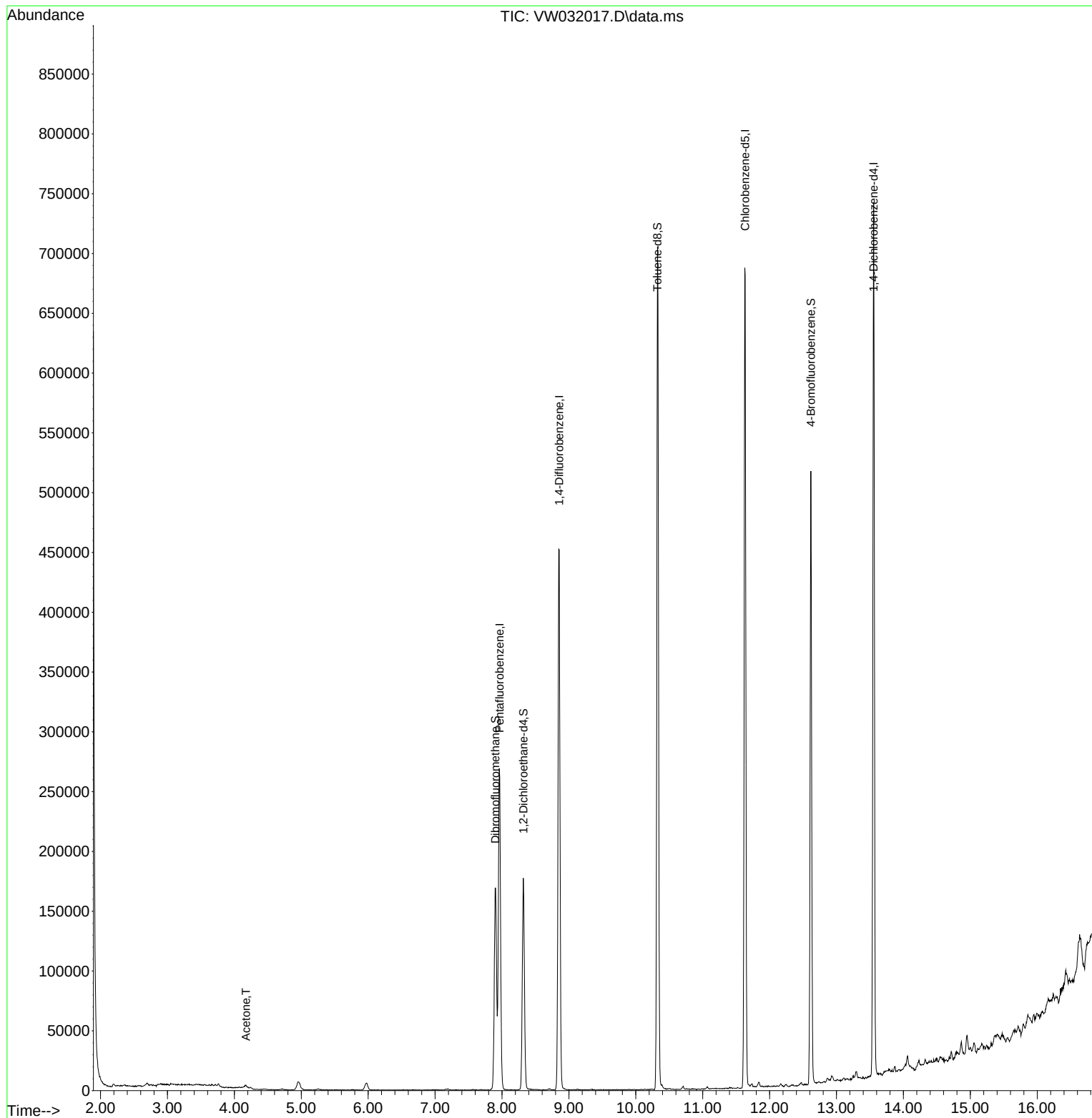
Internal Standards						
1) Pentafluorobenzene	7.965	168	186893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	391337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	384833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	184225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143847	50.879	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	101.760%	
35) Dibromofluoromethane	7.898	113	127150	47.815	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	95.640%	
50) Toluene-d8	10.325	98	477415	47.437	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	94.880%	
62) 4-Bromofluorobenzene	12.617	95	180026	46.585	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.180%	
Target Compounds						Qvalue
16) Acetone	4.173	43	4279	6.378	ug/l	97

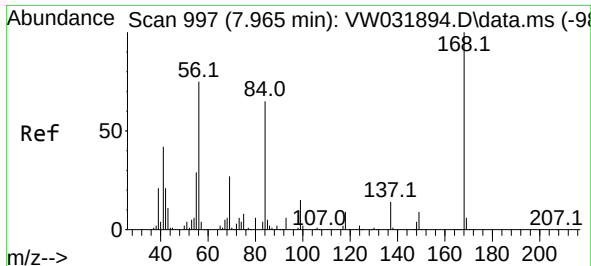
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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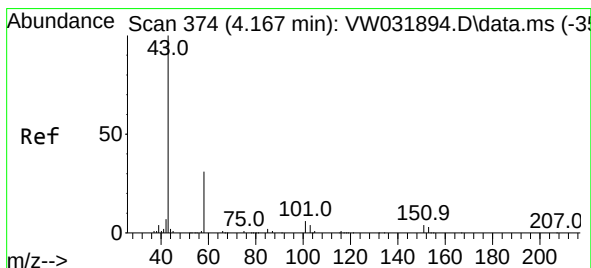
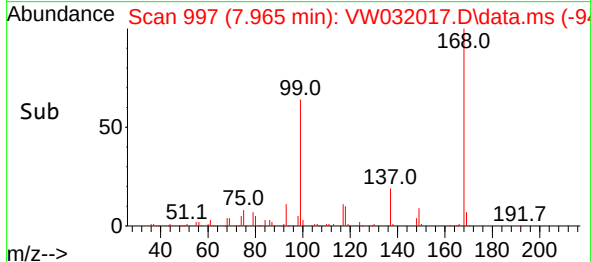
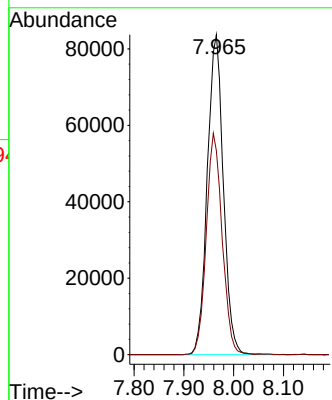
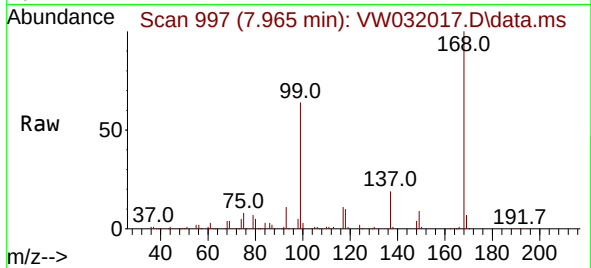




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032017.D
Acq: 05 Aug 2025 16:48

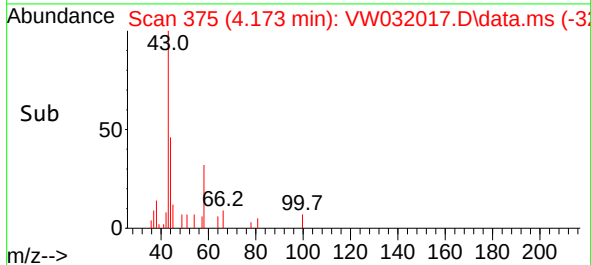
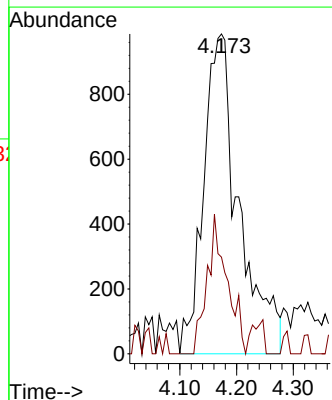
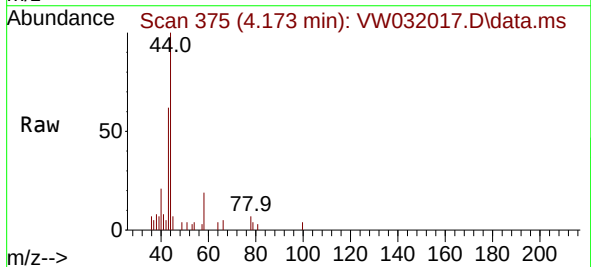
Instrument :
MSVOA_W
ClientSampleId :
500-3B-SOIL

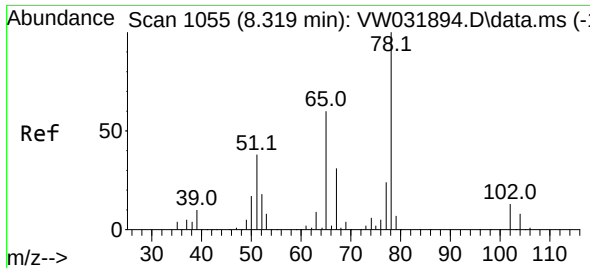
Tgt Ion:168 Resp: 186893
Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.2



#16
Acetone
Concen: 6.378 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW032017.D
Acq: 05 Aug 2025 16:48

Tgt Ion: 43 Resp: 4279
Ion Ratio Lower Upper
43 100
58 30.2 25.5 38.3

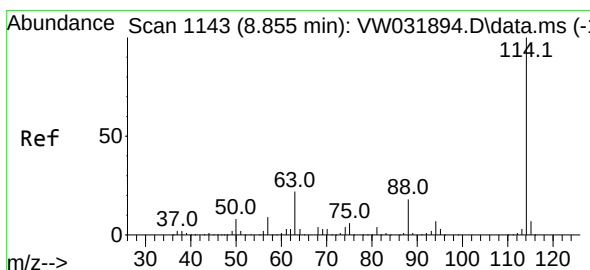
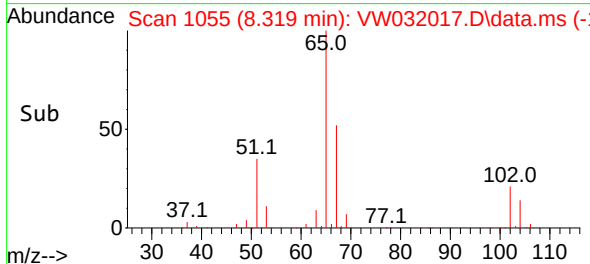
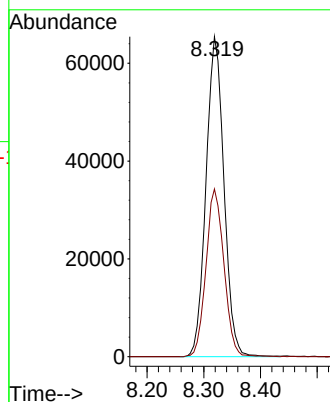
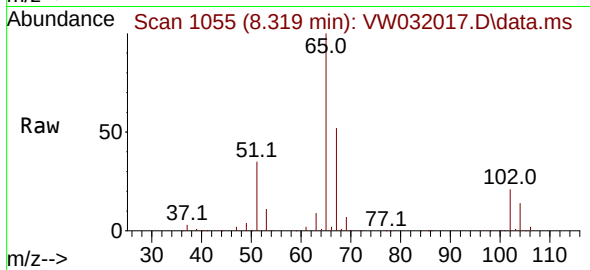




#33
 1,2-Dichloroethane-d4
 Concen: 50.879 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032017.D
 Acq: 05 Aug 2025 16:48

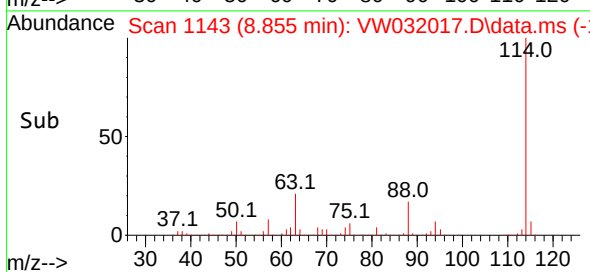
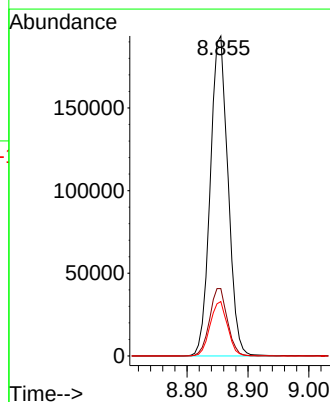
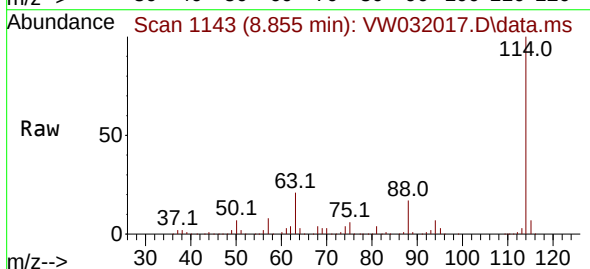
Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B-SOIL

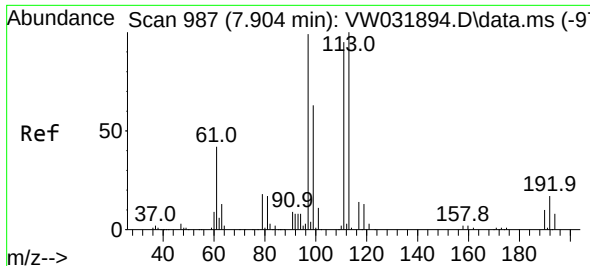
Tgt Ion: 65 Resp: 143847
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032017.D
 Acq: 05 Aug 2025 16:48

Tgt Ion: 114 Resp: 391337
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.2
 88 17.0 0.0 35.6

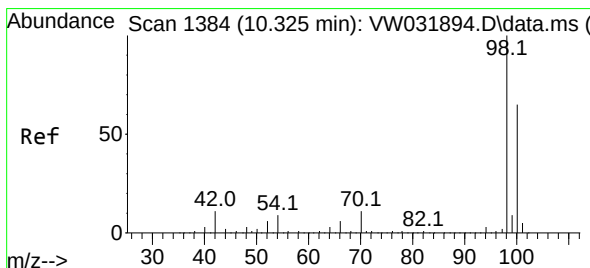
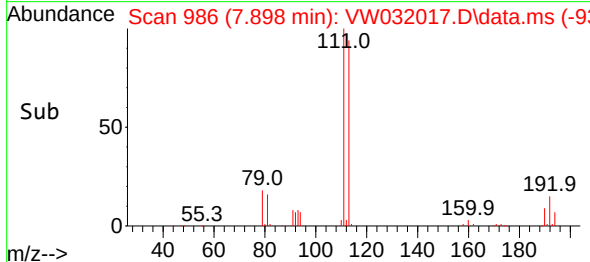
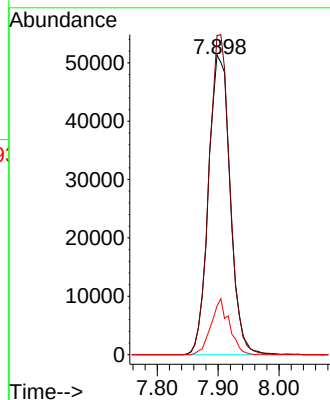
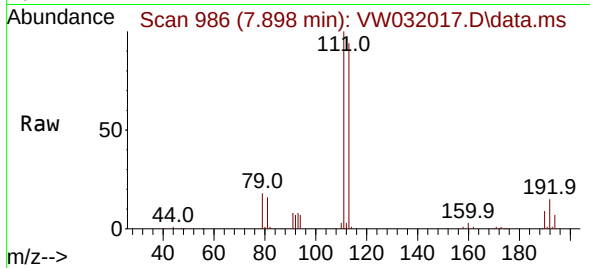




#35
 Dibromofluoromethane
 Concen: 47.815 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032017.D
 Acq: 05 Aug 2025 16:48

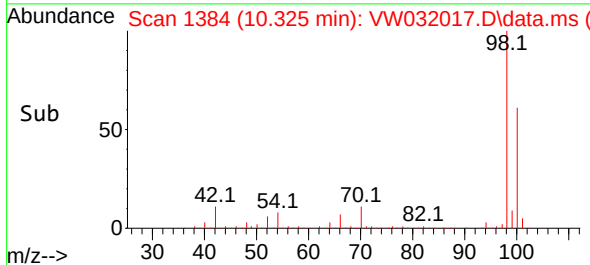
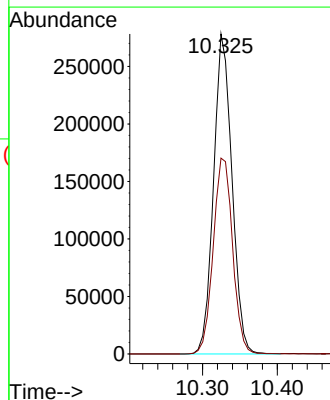
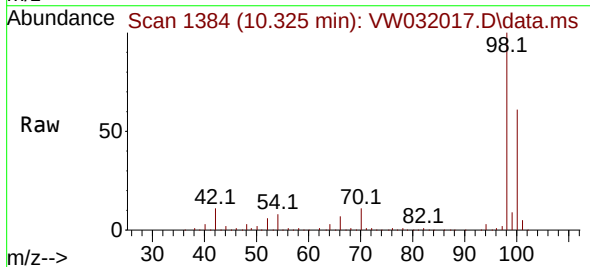
Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B-SOIL

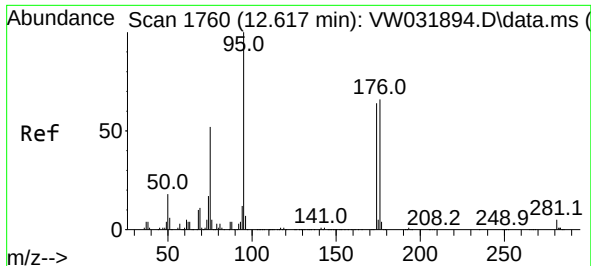
Tgt Ion:113 Resp: 127150
 Ion Ratio Lower Upper
 113 100
 111 103.1 79.9 119.9
 192 15.7 12.6 19.0



#50
 Toluene-d8
 Concen: 47.437 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032017.D
 Acq: 05 Aug 2025 16:48

Tgt Ion: 98 Resp: 477415
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5

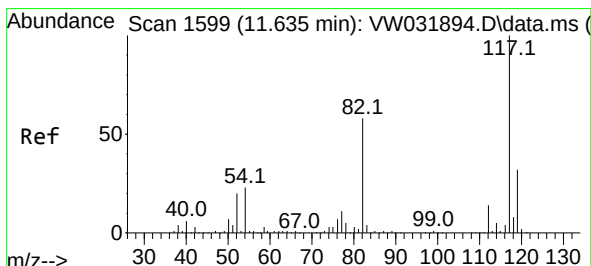
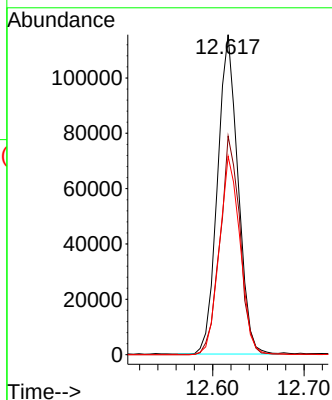
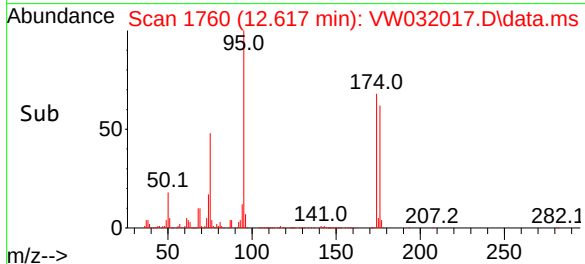
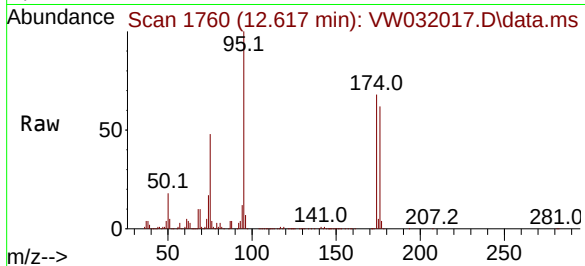




#62
4-Bromofluorobenzene
Concen: 46.585 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032017.D
Acq: 05 Aug 2025 16:48

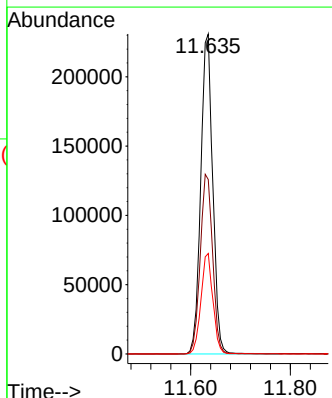
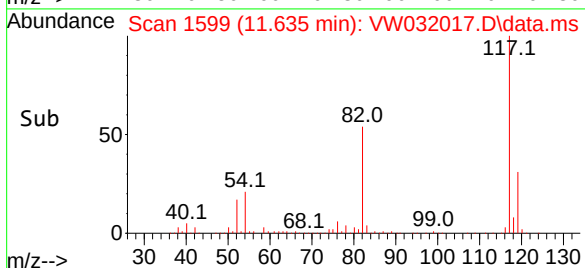
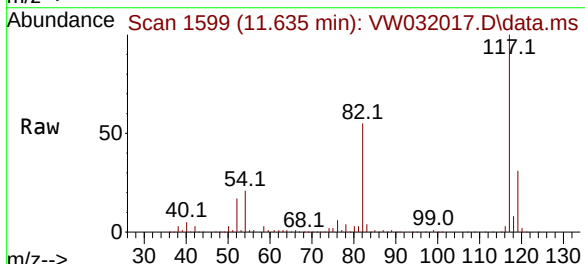
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500-3B-SOIL

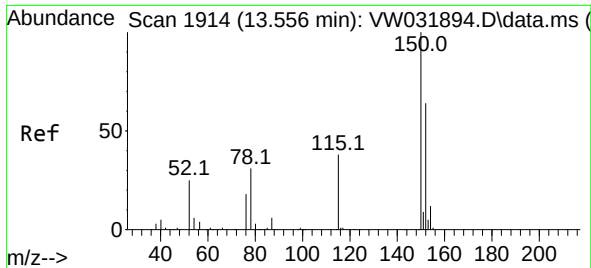
Tgt Ion: 95 Resp: 180026
Ion Ratio Lower Upper
95 100
174 66.9 0.0 129.8
176 63.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032017.D
Acq: 05 Aug 2025 16:48

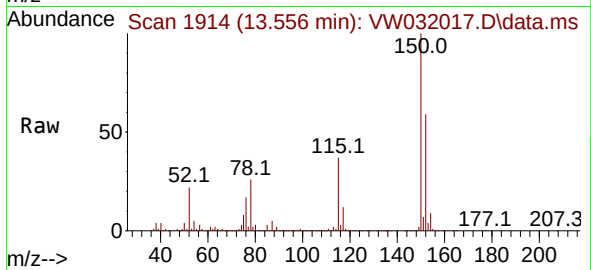
Tgt Ion: 117 Resp: 384833
Ion Ratio Lower Upper
117 100
82 54.5 46.5 69.7
119 31.4 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032017.D
 Acq: 05 Aug 2025 16:48

Instrument :
 MSVOA_W
 ClientSampleId :
 500-3B-SOIL



Tgt Ion:152 Resp: 184225
 Ion Ratio Lower Upper
 152 100
 115 64.8 33.4 100.1
 150 157.1 0.0 352.2

