

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032087.D
 Acq On : 14 Aug 2025 12:46
 Operator : SY/MD
 Sample : Q2820-04
 Misc : 7.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DUP-1

Quant Time: Aug 18 03:50:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	155089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	306810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	312208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130261	58.074	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.140%
35) Dibromofluoromethane	7.904	113	112206	56.609	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.220%
50) Toluene-d8	10.331	98	376479	51.353	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.617	95	136994	50.707	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.420%

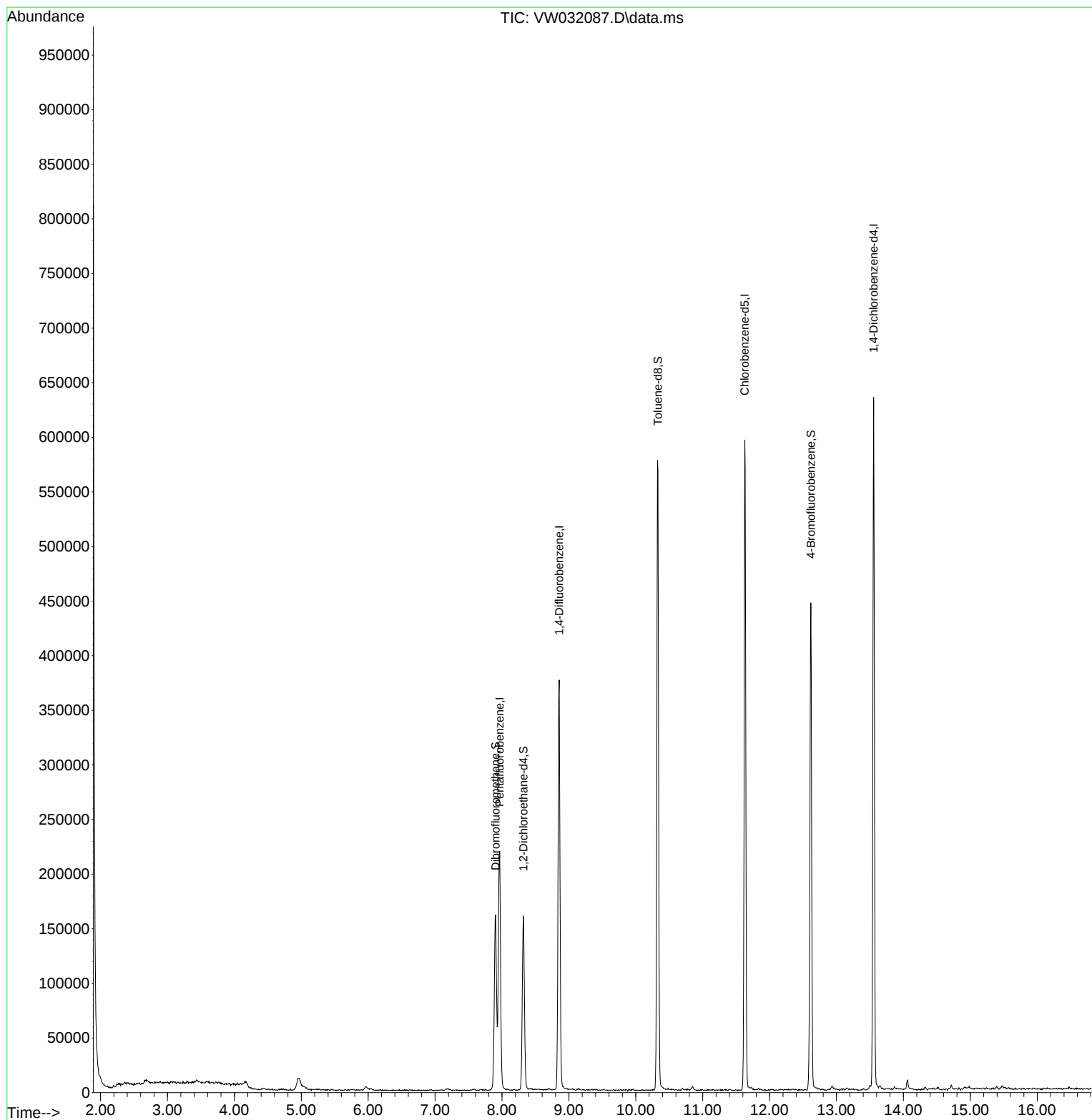
Target Compounds	Qvalue

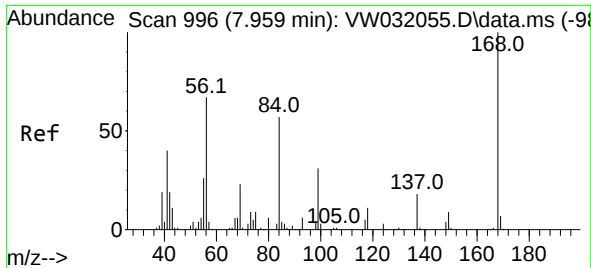
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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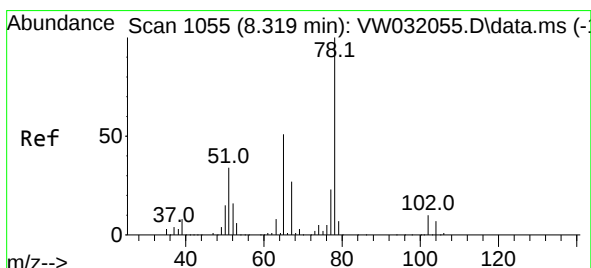
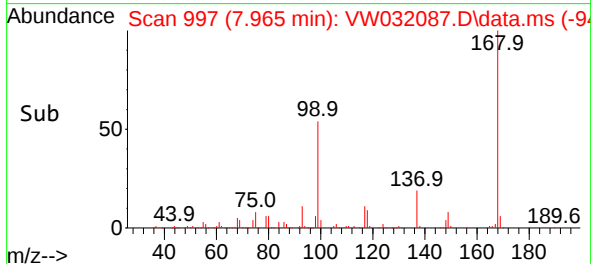
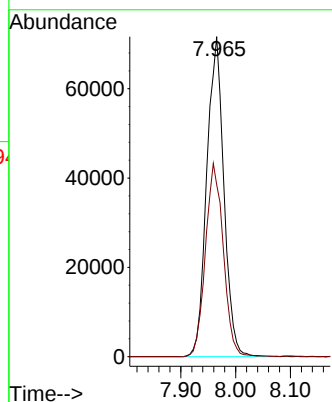
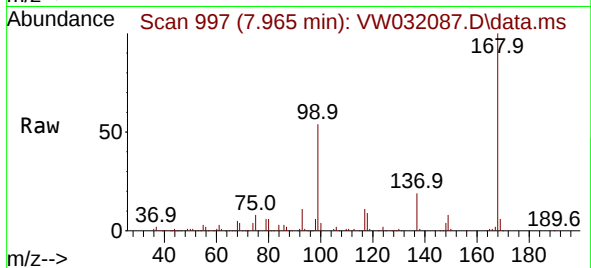




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

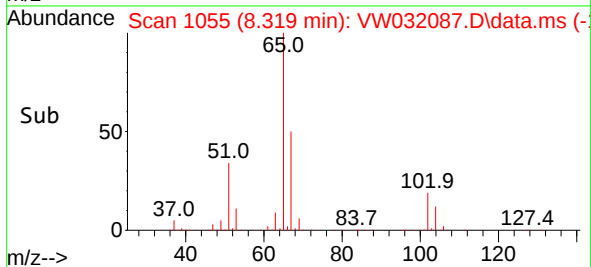
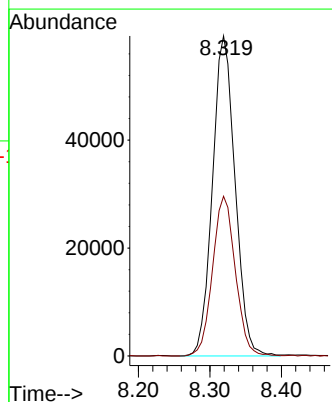
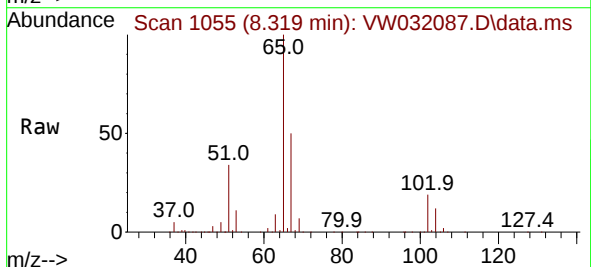
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

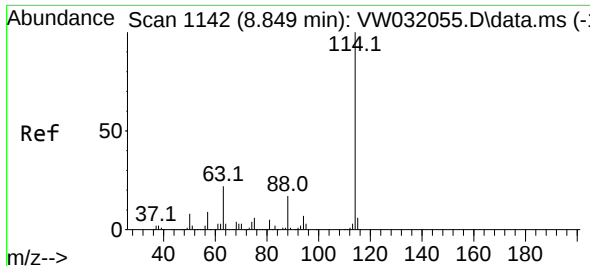
Tgt Ion:168 Resp: 155089
Ion Ratio Lower Upper
168 100
99 53.8 56.0 84.0#



#33
1,2-Dichloroethane-d4
Concen: 58.074 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 65 Resp: 130261
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4

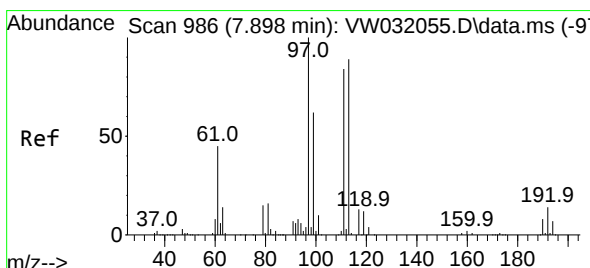
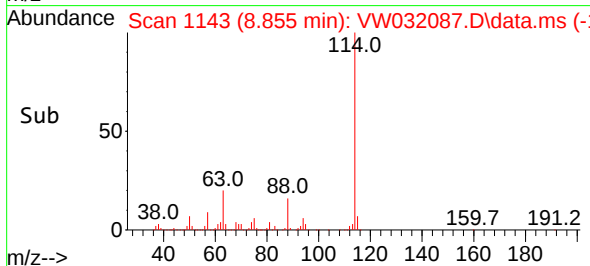
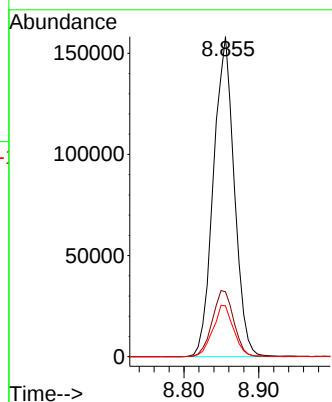
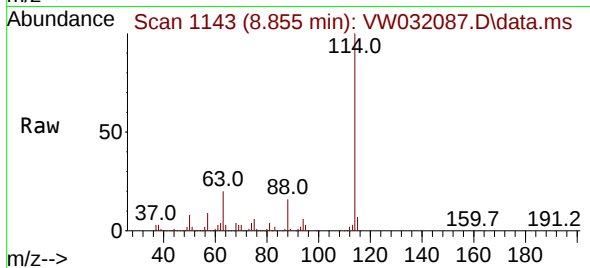




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

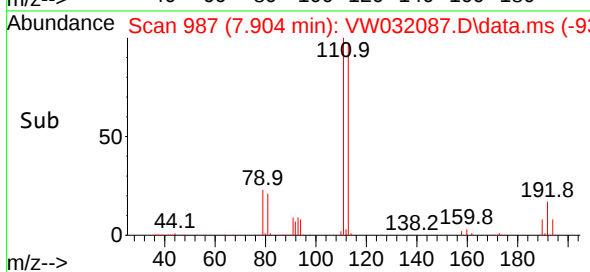
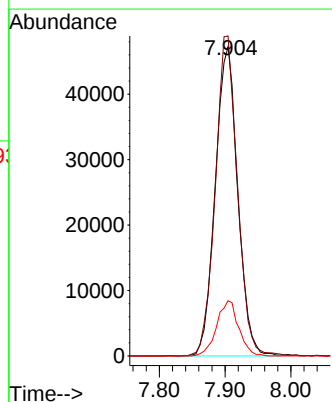
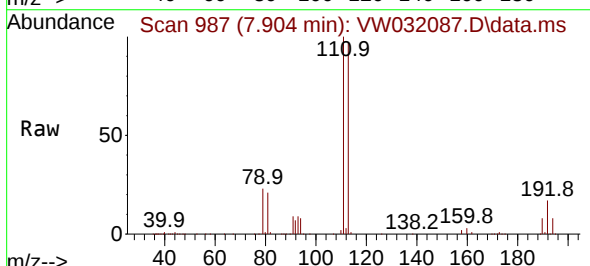
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

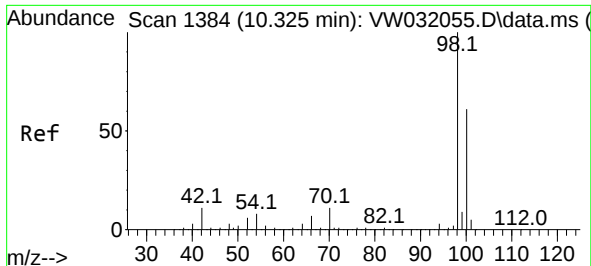
Tgt Ion:114 Resp: 306810
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.0
88 15.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 56.609 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion:113 Resp: 112206
Ion Ratio Lower Upper
113 100
111 102.2 80.1 120.1
192 17.5 13.1 19.7

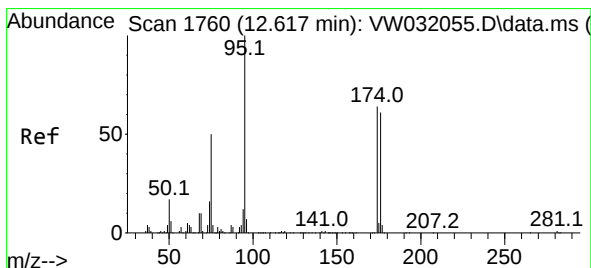
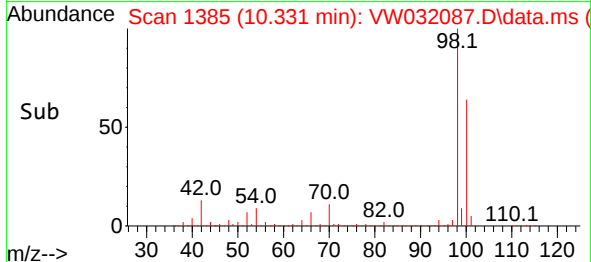
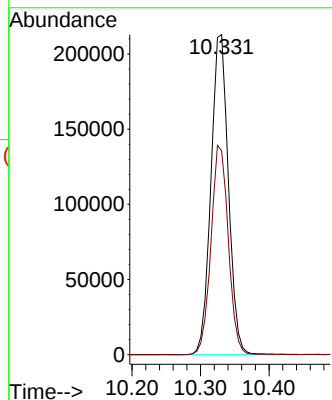
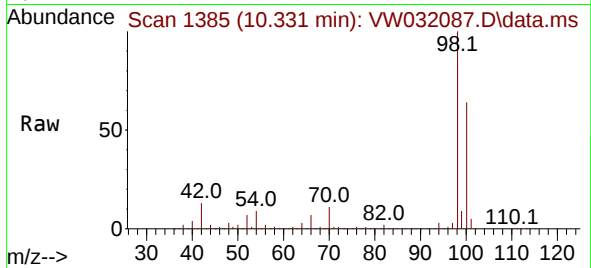




#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

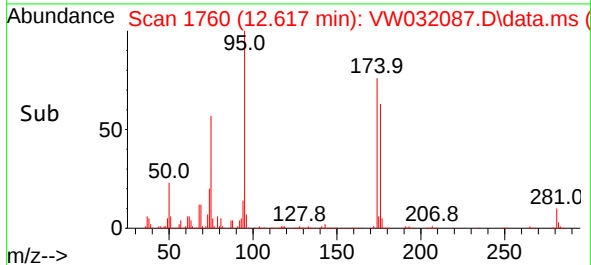
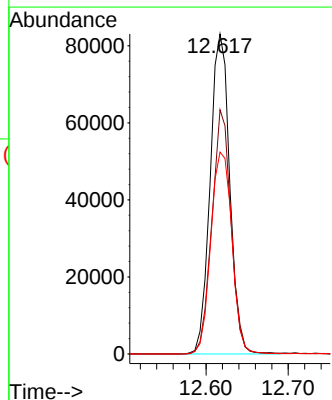
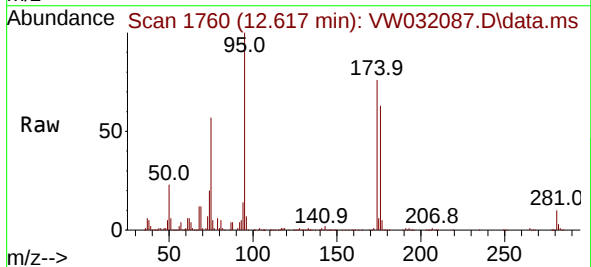
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

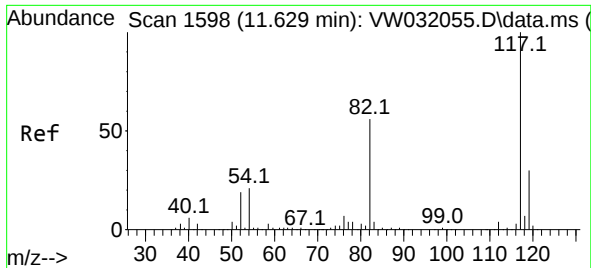
Tgt Ion: 98 Resp: 376479
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.707 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 95 Resp: 136994
Ion Ratio Lower Upper
95 100
174 75.0 0.0 129.0
176 68.2 0.0 124.6

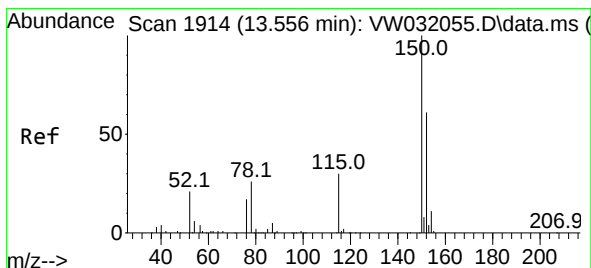
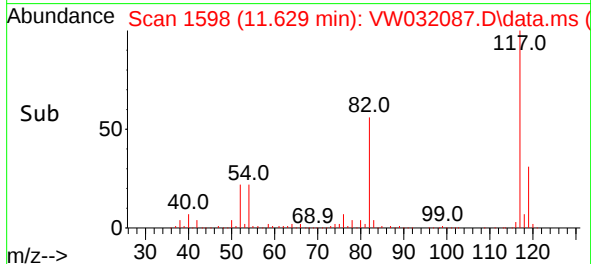
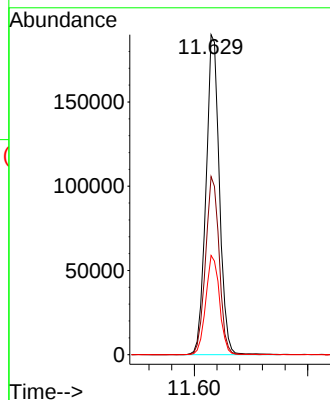
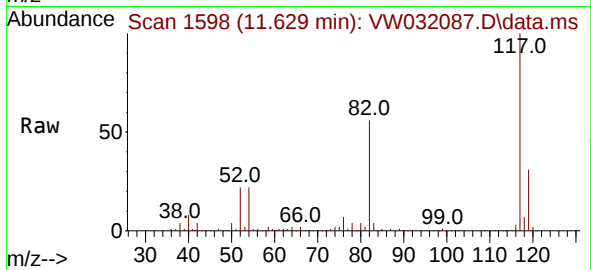




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DUP-1

Tgt Ion:117 Resp: 312208
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 31.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032087.D
Acq: 14 Aug 2025 12:46

Tgt Ion:152 Resp: 147600
Ion Ratio Lower Upper
152 100
115 66.3 32.6 97.8
150 165.7 0.0 359.4

