

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031828.D
 Acq On : 11 Jul 2025 18:22
 Operator : SY/MD
 Sample : Q2564-05
 Misc : 3.35g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0039

Quant Time: Jul 11 22:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	182286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	394986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	365401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163372	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147550	56.403	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.800%
35) Dibromofluoromethane	7.904	113	119490	46.360	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.720%
50) Toluene-d8	10.325	98	430748	44.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.820%
62) 4-Bromofluorobenzene	12.617	95	198135	56.132	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.260%

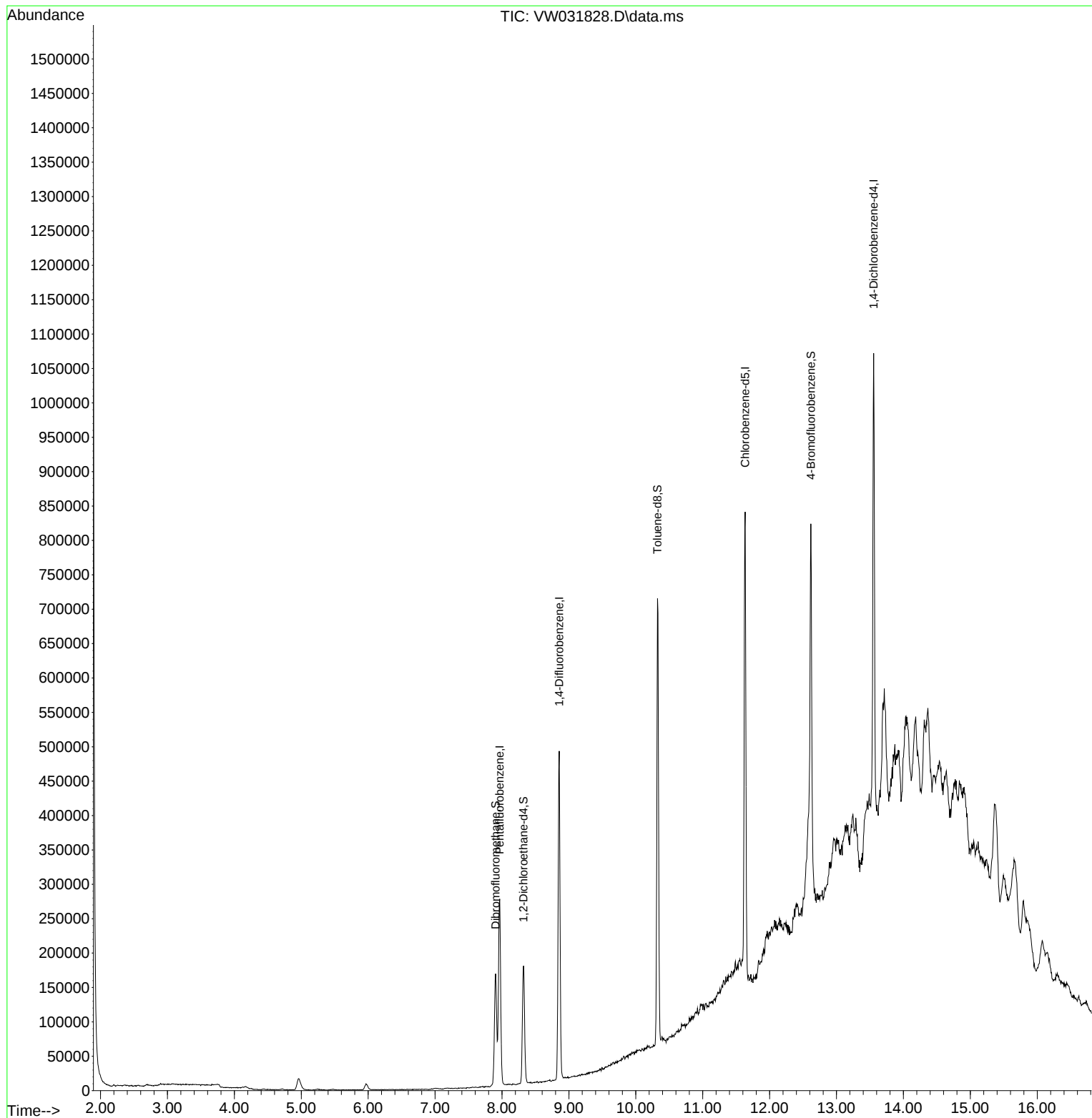
Target Compounds	Qvalue

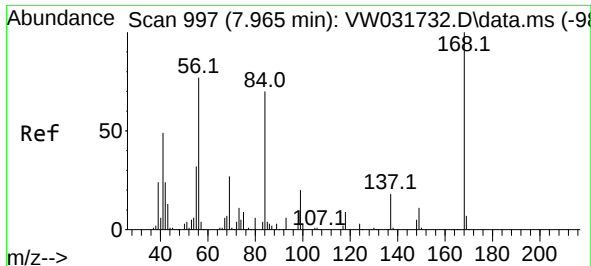
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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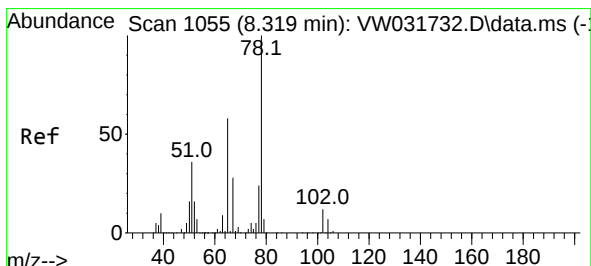
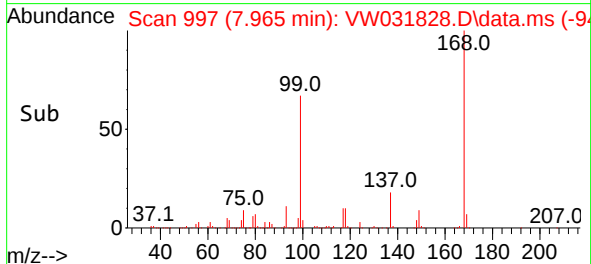
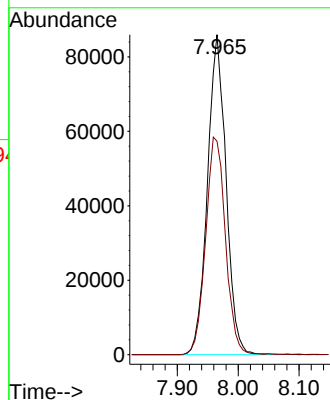
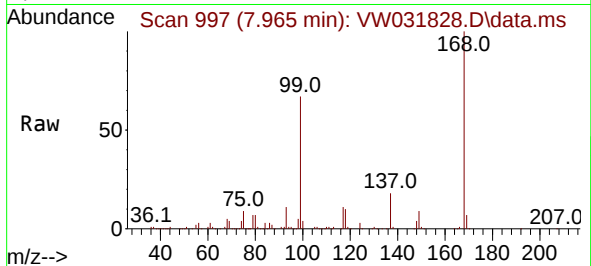




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

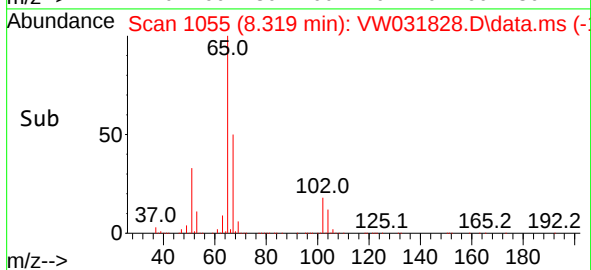
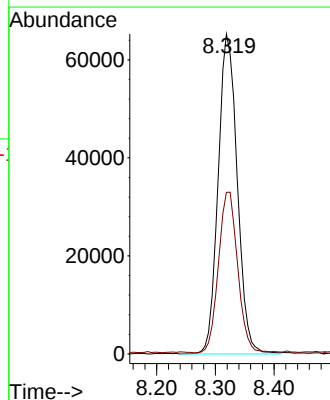
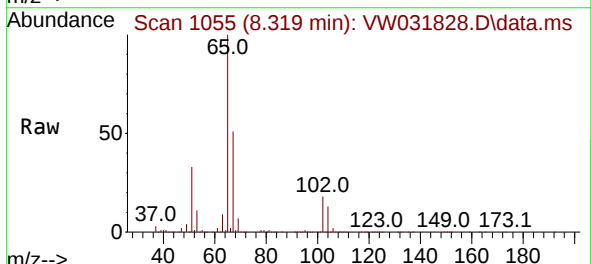
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0039

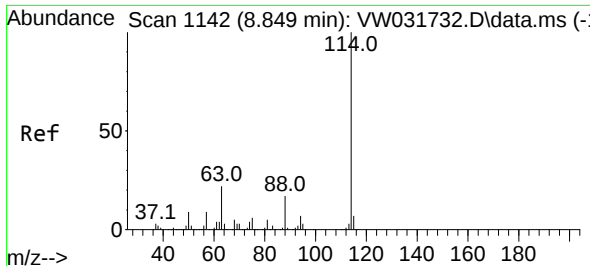
Tgt Ion:168 Resp: 182286
Ion Ratio Lower Upper
168 100
99 66.7 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 56.403 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion: 65 Resp: 147550
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

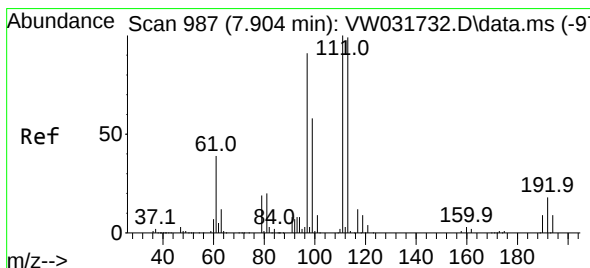
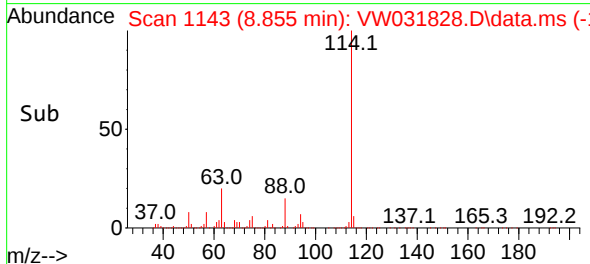
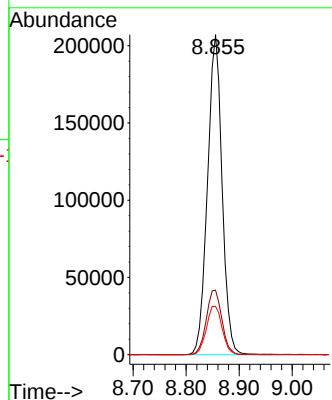
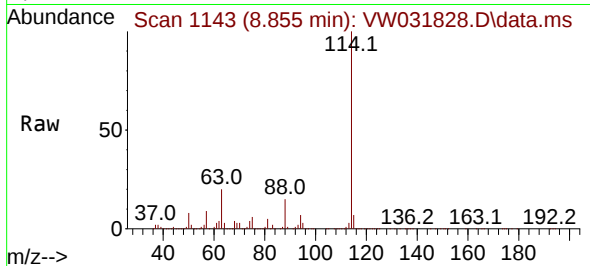




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

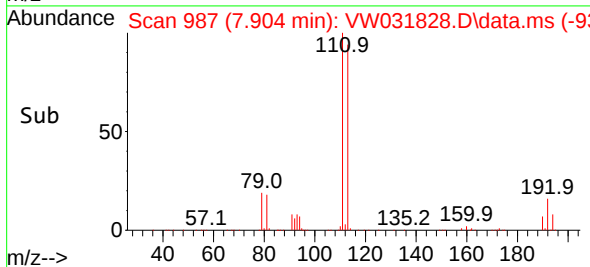
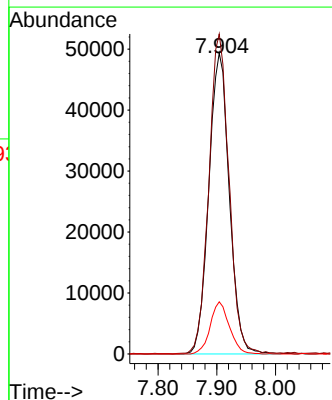
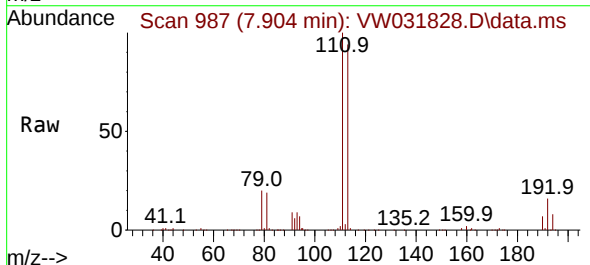
Instrument :
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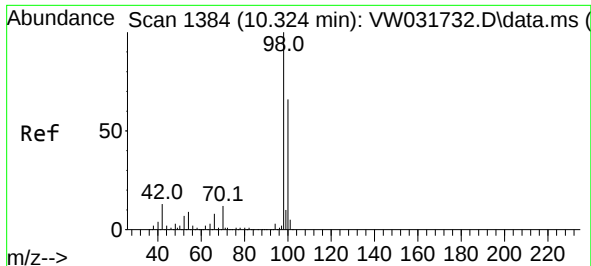
Tgt Ion:114 Resp: 394986
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.6
88 15.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.360 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion:113 Resp: 119490
Ion Ratio Lower Upper
113 100
111 104.9 82.1 123.1
192 16.2 13.8 20.6

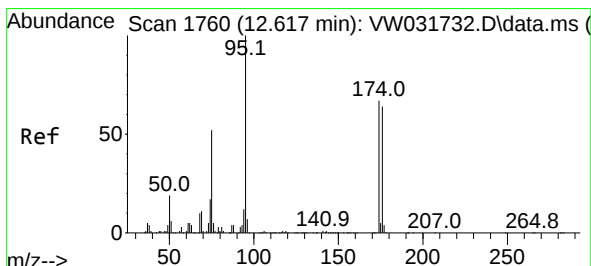
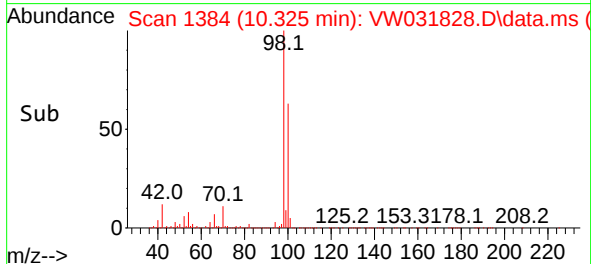
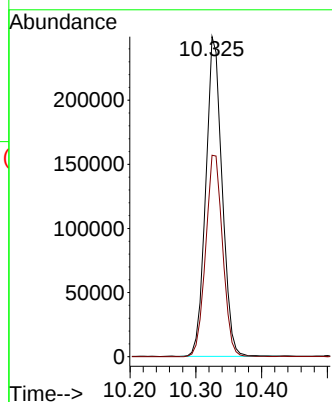
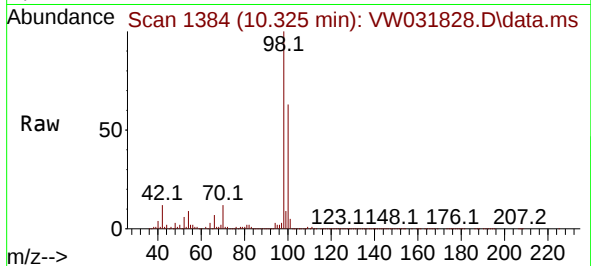




#50
Toluene-d8
Concen: 44.908 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

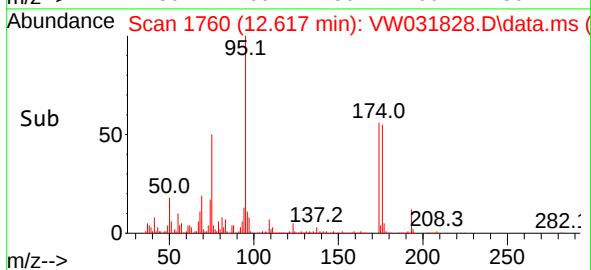
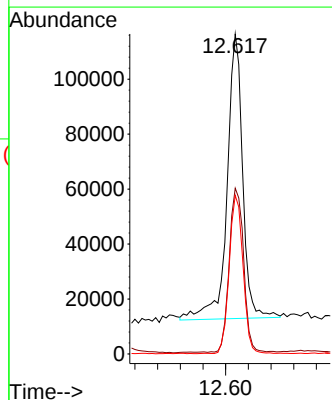
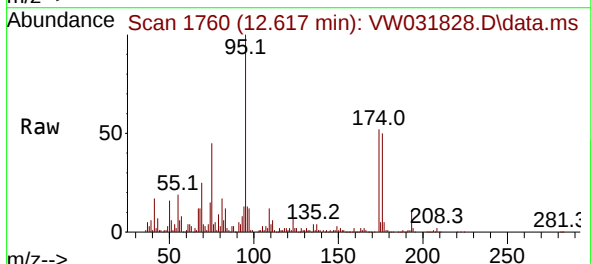
Instrument :
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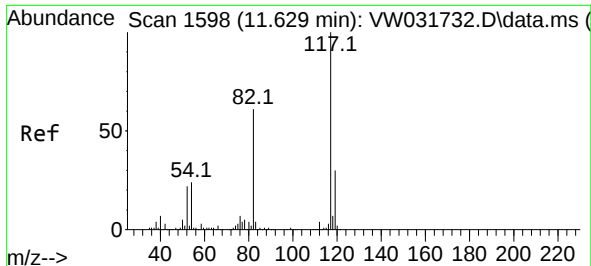
Tgt Ion: 98 Resp: 430748
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.132 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion: 95 Resp: 198135
Ion Ratio Lower Upper
95 100
174 53.1 0.0 133.8
176 49.0 0.0 126.0

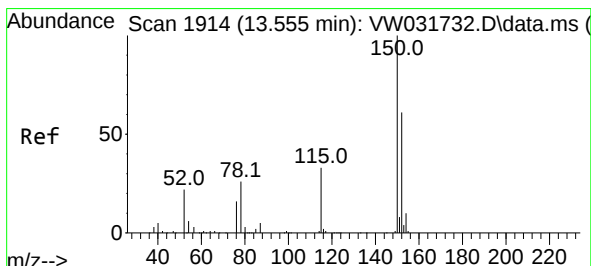
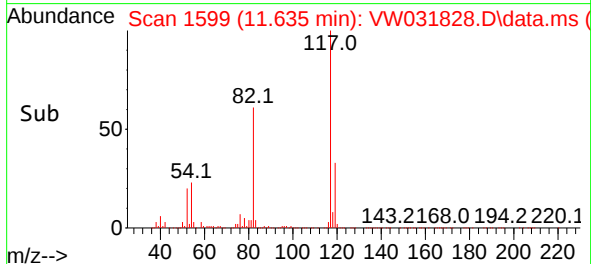
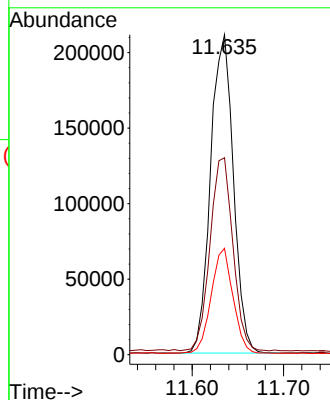
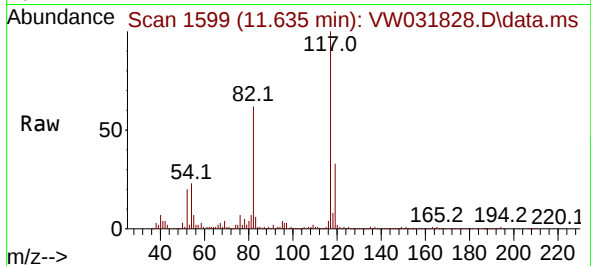




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0039

Tgt Ion:117 Resp: 365401
Ion Ratio Lower Upper
117 100
82 60.6 48.6 72.8
119 33.0 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031828.D
Acq: 11 Jul 2025 18:22

Tgt Ion:152 Resp: 163372
Ion Ratio Lower Upper
152 100
115 68.7 31.9 95.7
150 159.5 0.0 356.4

