

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032174.D
 Acq On : 15 Sep 2025 15:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 16 06:36:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	172304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	364816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	356041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182878	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138835	56.341	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.680%
35) Dibromofluoromethane	7.904	113	130462	50.971	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.940%
50) Toluene-d8	10.331	98	431874	48.065	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.140%
62) 4-Bromofluorobenzene	12.617	95	165597	49.840	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.680%

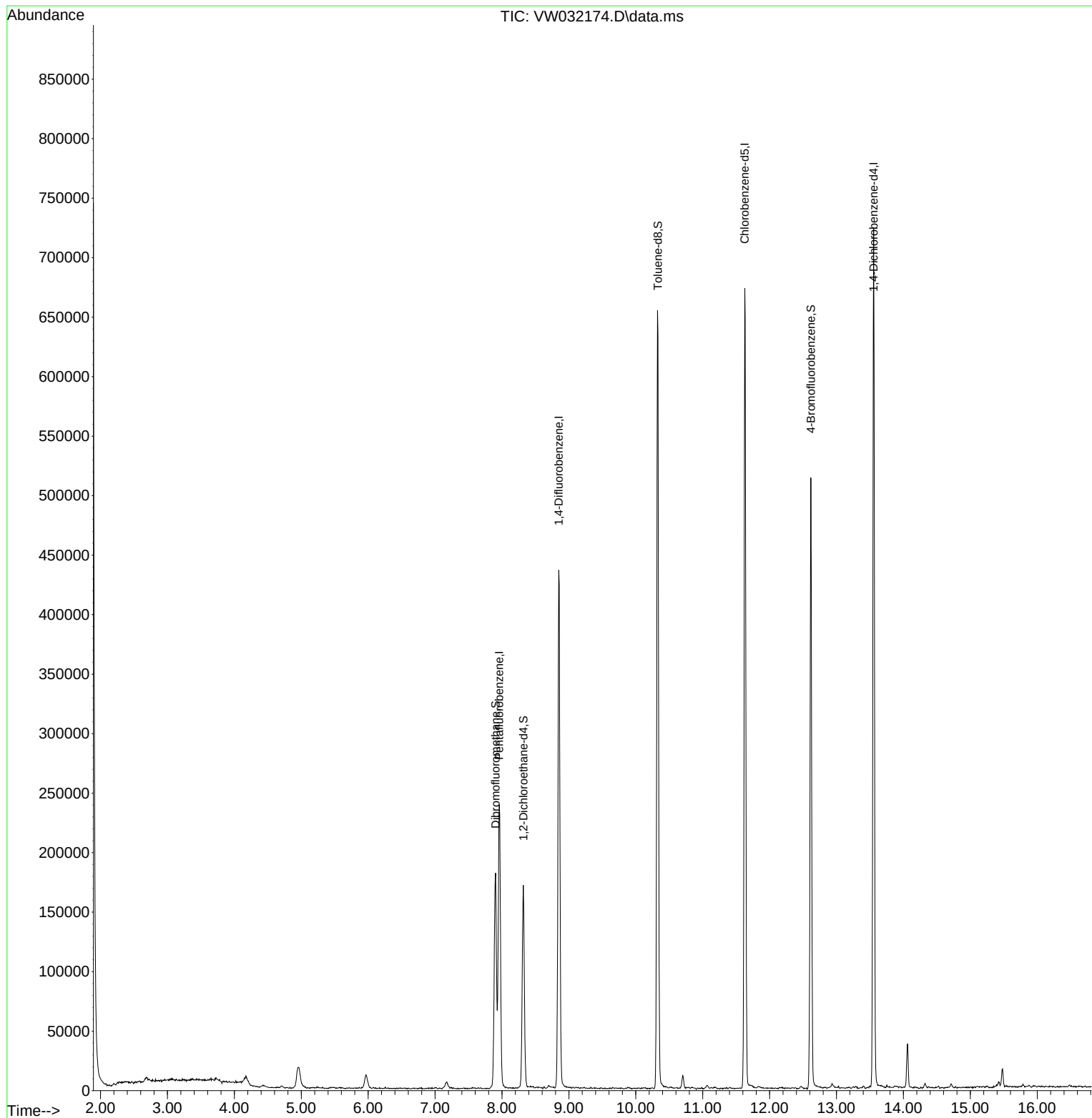
Target Compounds	Qvalue

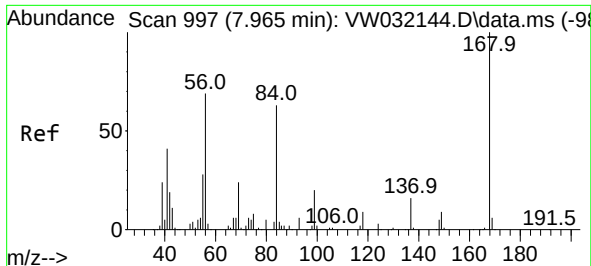
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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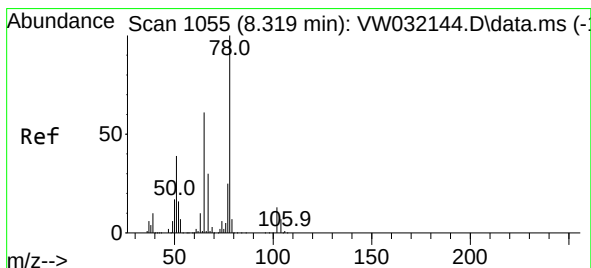
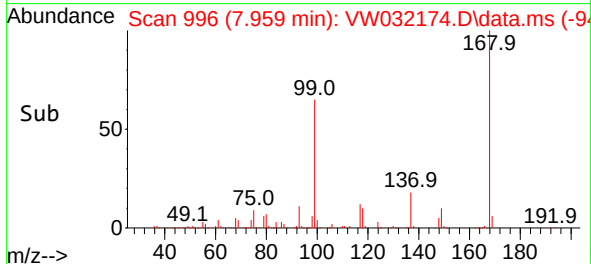
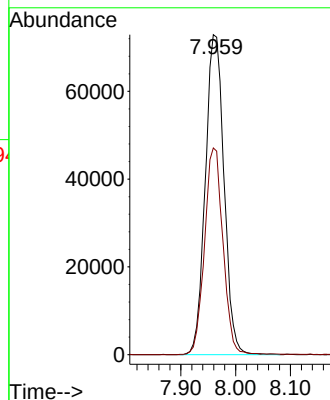
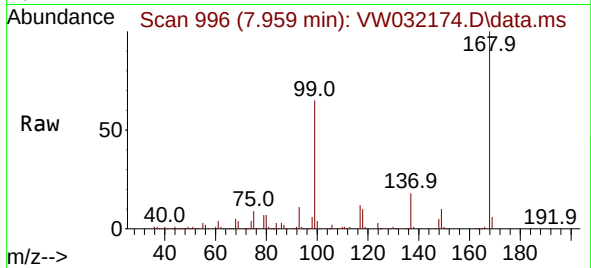




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

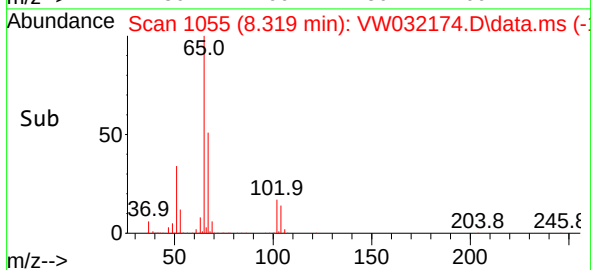
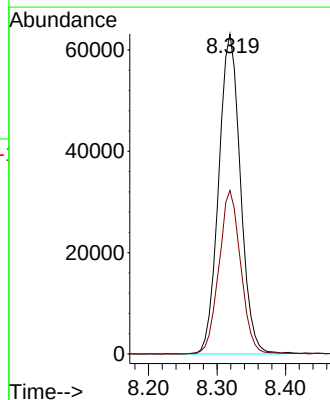
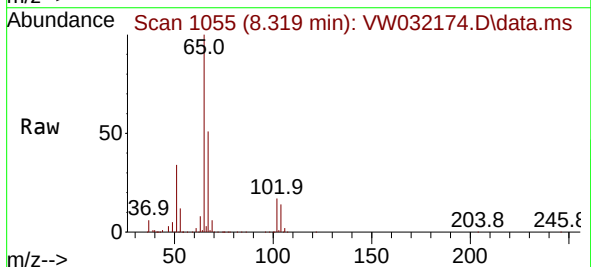
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

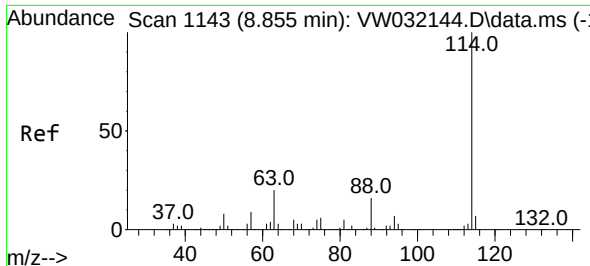
Tgt Ion:168 Resp: 172304
Ion Ratio Lower Upper
168 100
99 64.5 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 56.341 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 65 Resp: 138835
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6

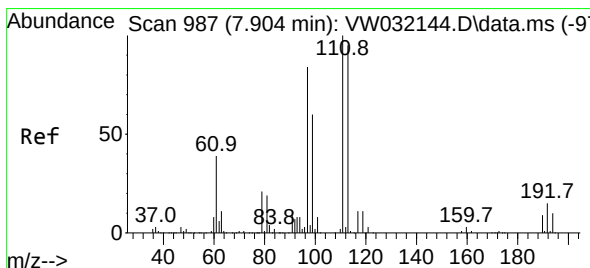
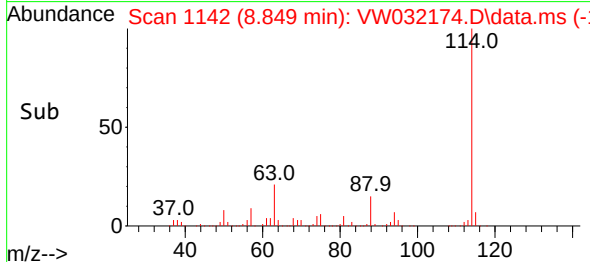
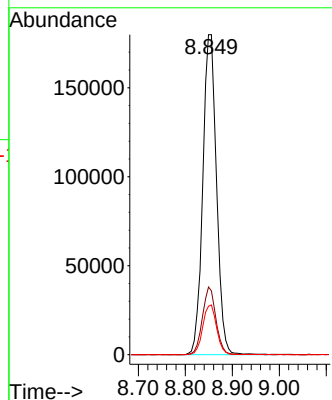
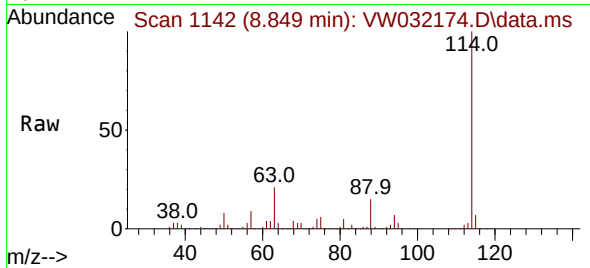




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

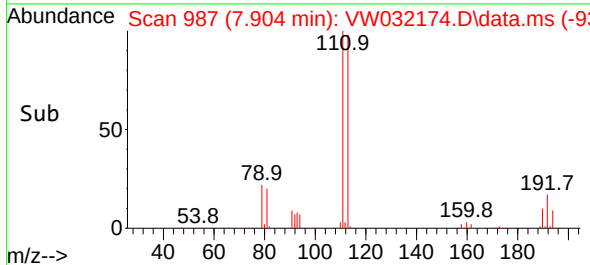
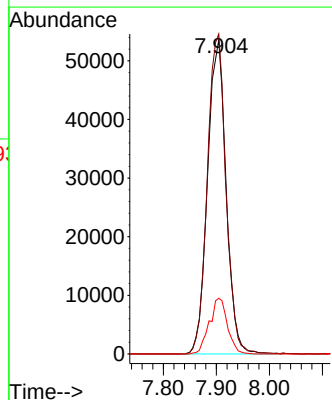
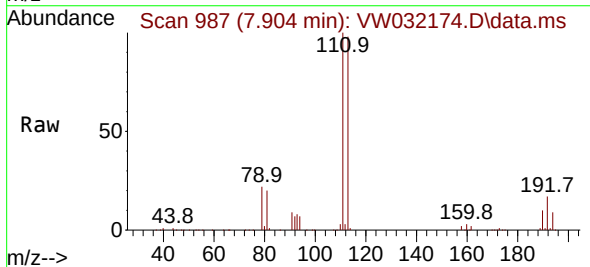
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

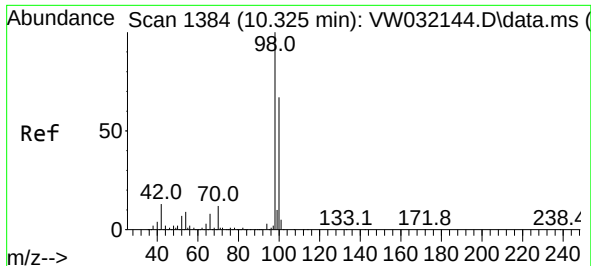
Tgt Ion:114 Resp: 364816
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.4
88 15.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.971 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

Tgt Ion:113 Resp: 130462
Ion Ratio Lower Upper
113 100
111 102.1 83.9 125.9
192 17.3 14.6 21.8

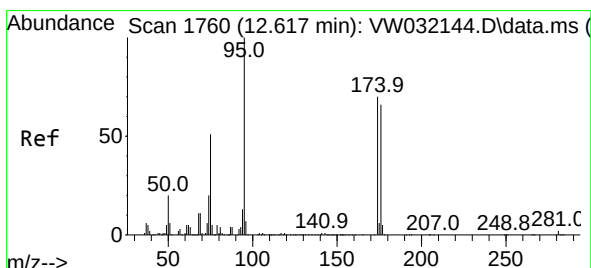
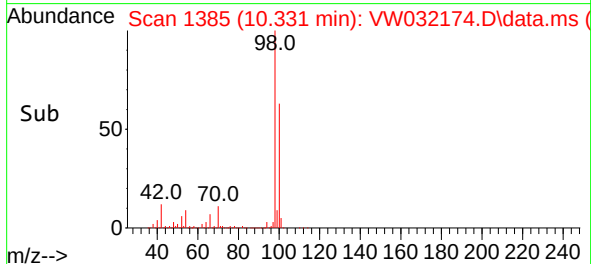
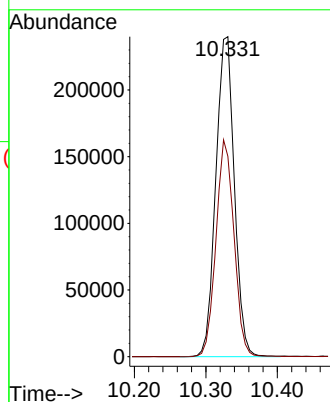
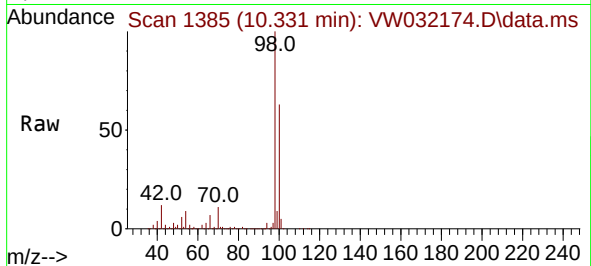




#50
Toluene-d8
Concen: 48.065 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

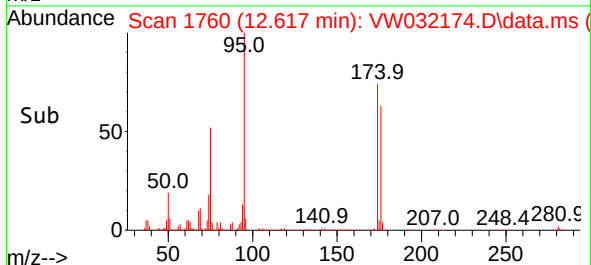
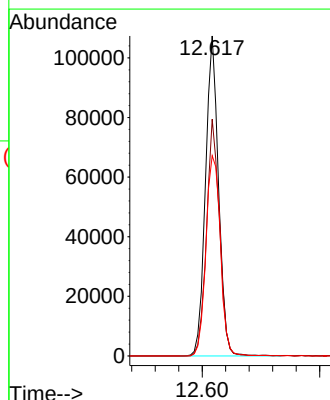
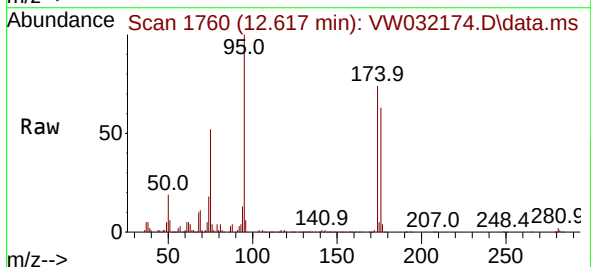
Instrument :
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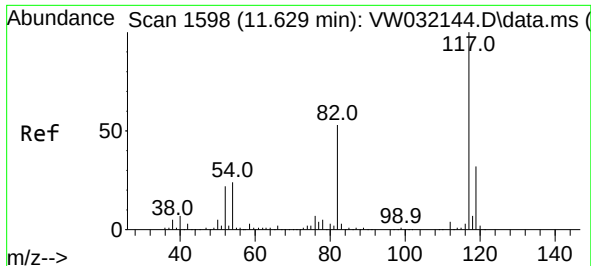
Tgt Ion: 98 Resp: 431874
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

Tgt Ion: 95 Resp: 165597
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.6
176 69.3 0.0 140.8

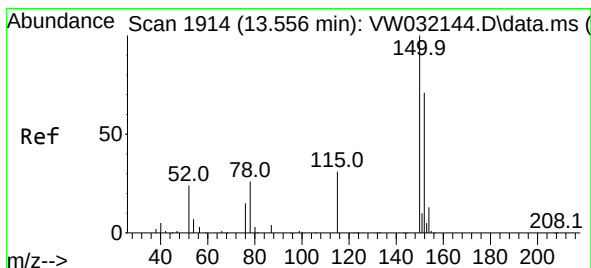
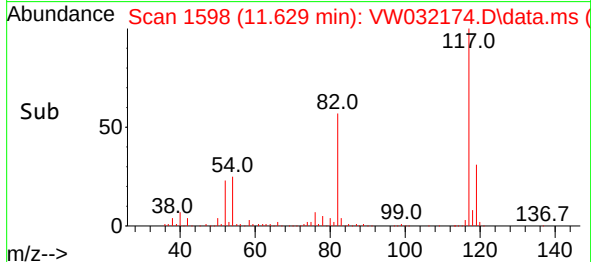
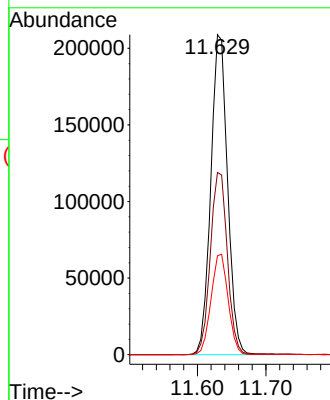
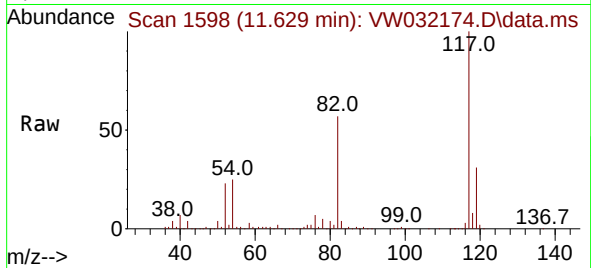




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 356041
Ion Ratio Lower Upper
117 100
82 57.0 42.7 64.1
119 30.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032174.D
Acq: 15 Sep 2025 15:04

Tgt Ion:152 Resp: 182878
Ion Ratio Lower Upper
152 100
115 61.3 31.8 95.4
150 160.0 0.0 343.0

