

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031998.D
 Acq On : 04 Aug 2025 13:56
 Operator : SY/MD
 Sample : Q2758-01
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

Quant Time: Aug 05 01:19:14 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	181912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	397326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168478	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142726	51.865	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	103.740%
35) Dibromofluoromethane	7.898	113	126414	46.822	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.640%
50) Toluene-d8	10.325	98	464468	45.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.900%
62) 4-Bromofluorobenzene	12.617	95	176776	45.055	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.100%

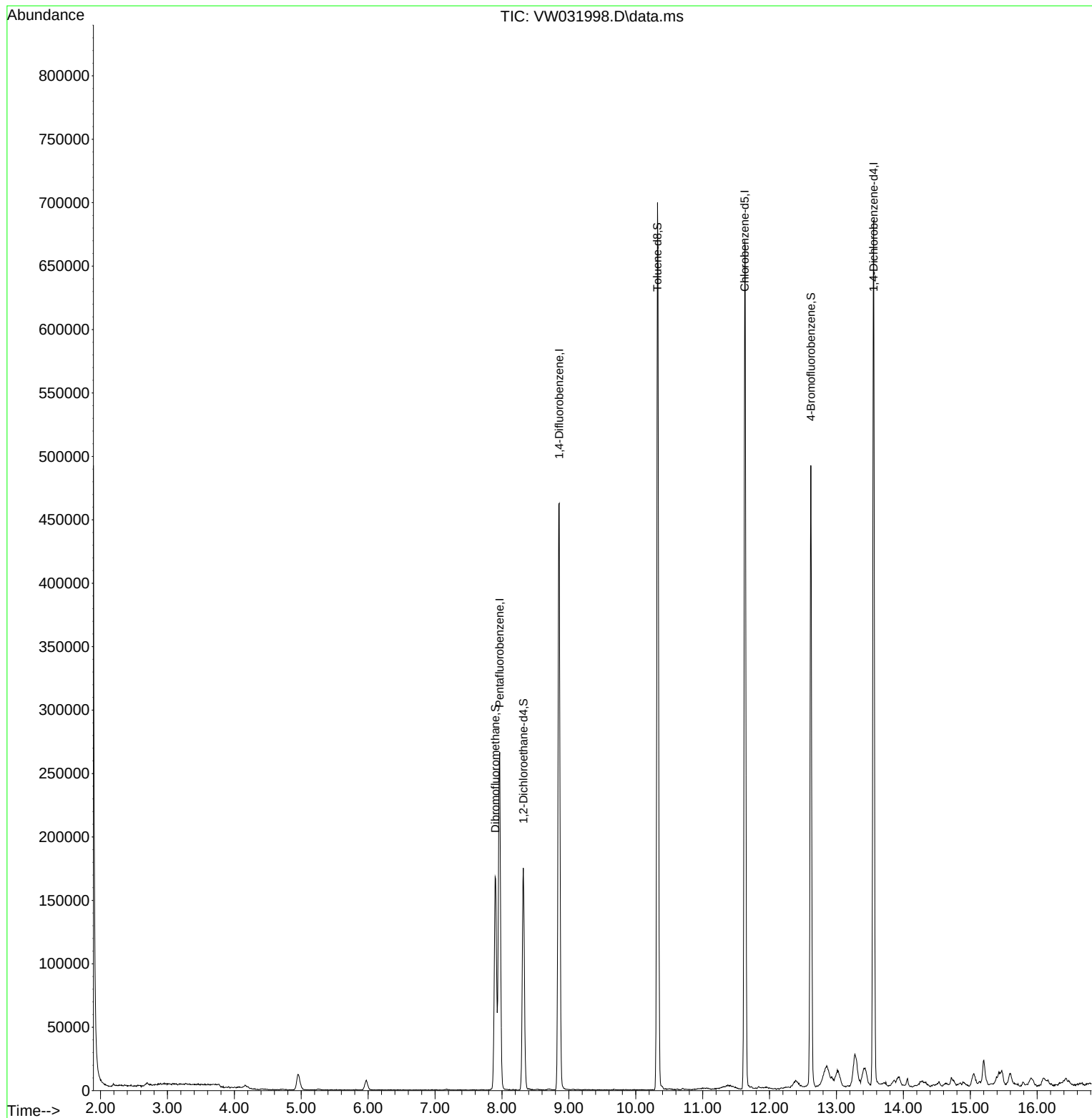
Target Compounds	Qvalue

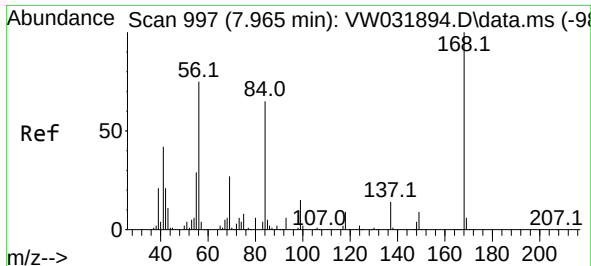
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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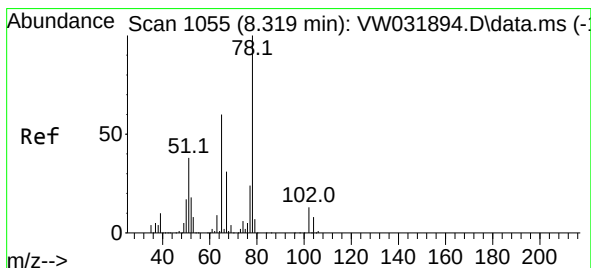
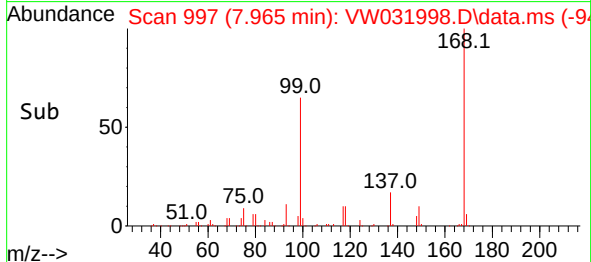
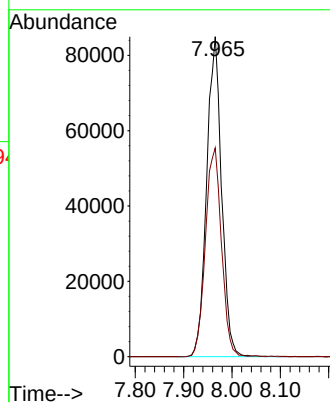
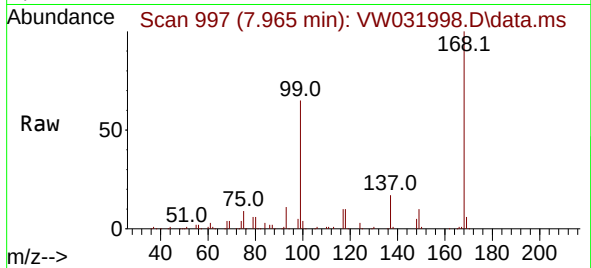




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

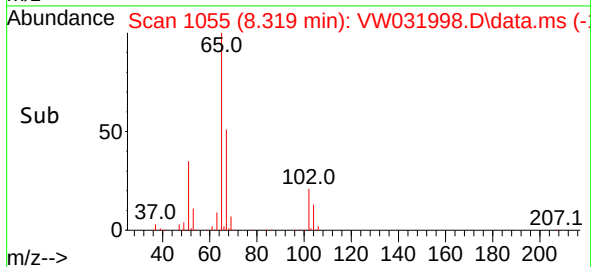
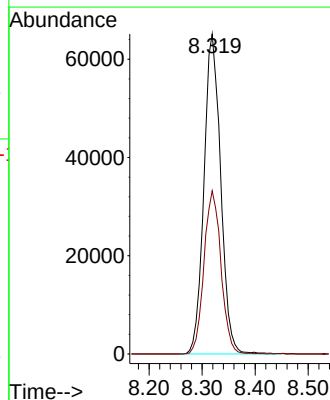
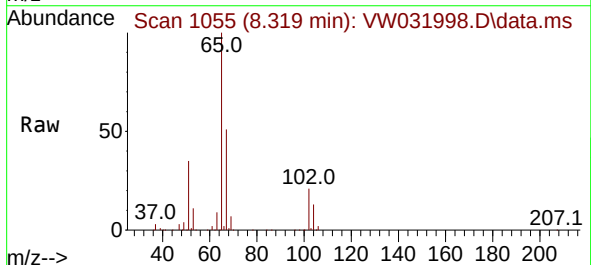
Instrument :
MSVOA_W
ClientSampleId :
WASTE

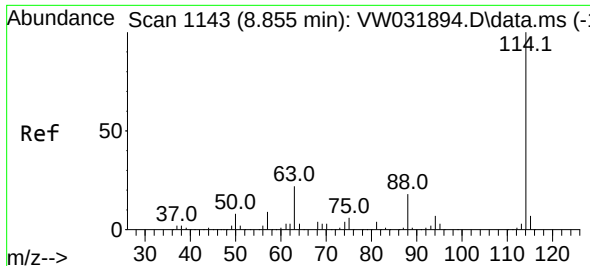
Tgt Ion:168 Resp: 181912
Ion Ratio Lower Upper
168 100
99 65.3 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 65 Resp: 142726
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4

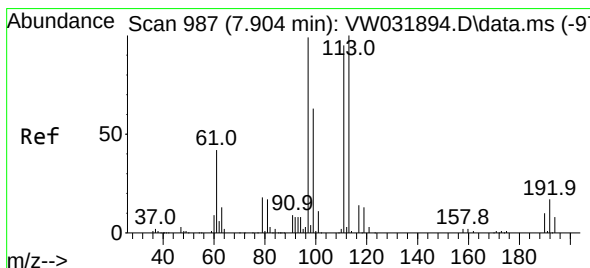
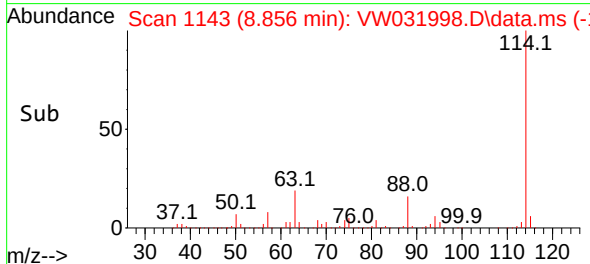
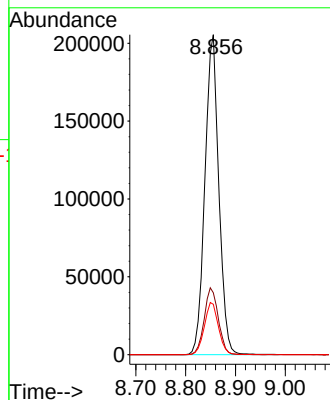
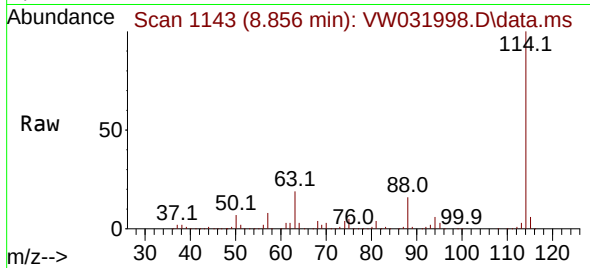




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

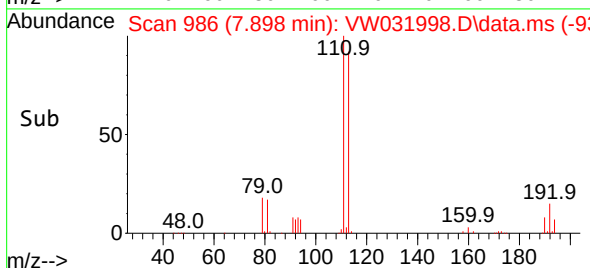
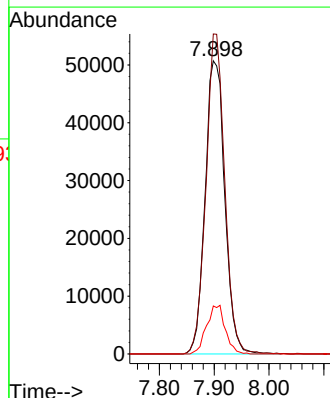
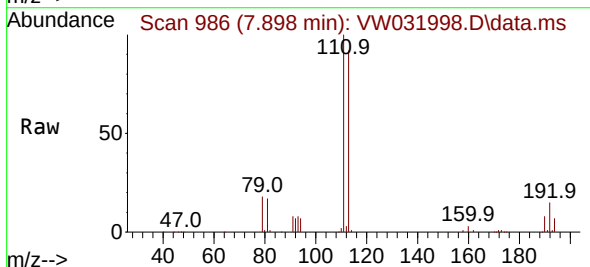
Instrument :
MSVOA_W
ClientSampleId :
WASTE

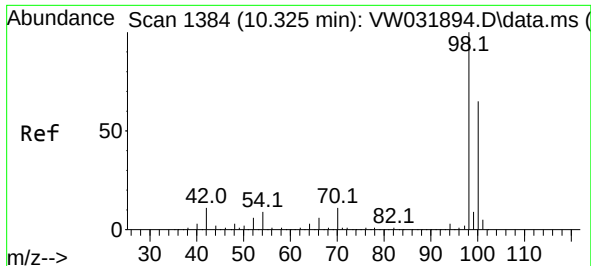
Tgt Ion:114 Resp: 397326
Ion Ratio Lower Upper
114 100
63 19.4 0.0 44.2
88 15.8 0.0 35.6



#35
Dibromofluoromethane
Concen: 46.822 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion:113 Resp: 126414
Ion Ratio Lower Upper
113 100
111 104.1 79.9 119.9
192 15.7 12.6 19.0

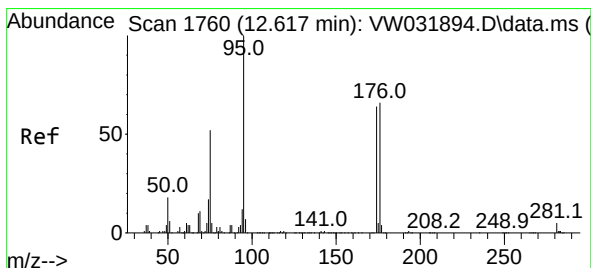
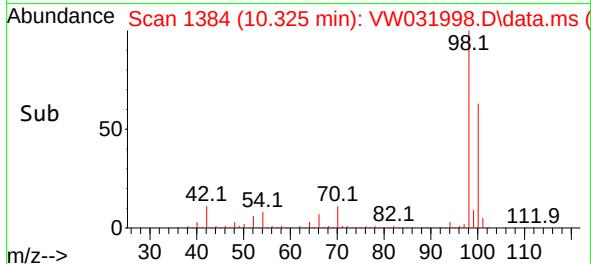
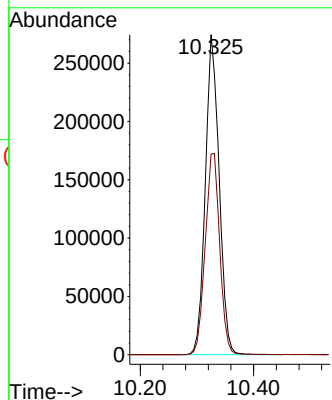
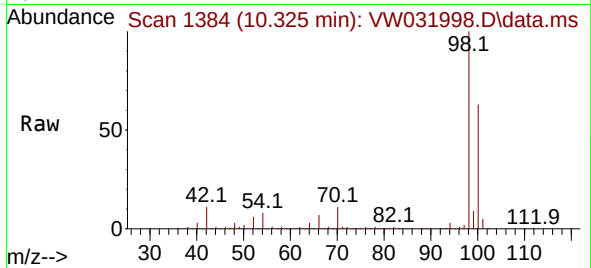




#50
Toluene-d8
Concen: 45.455 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

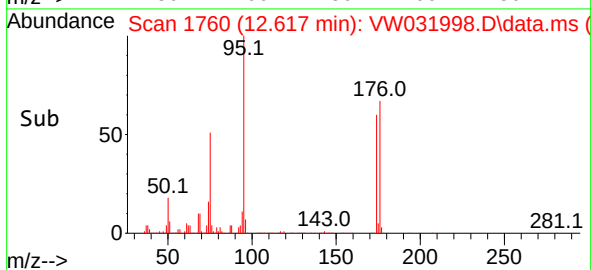
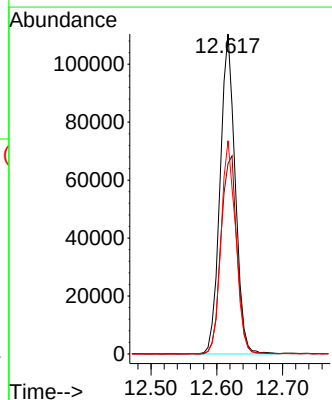
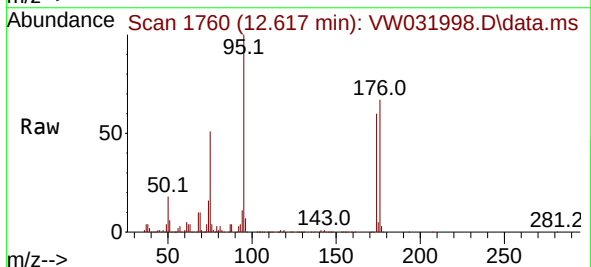
Instrument :
MSVOA_W
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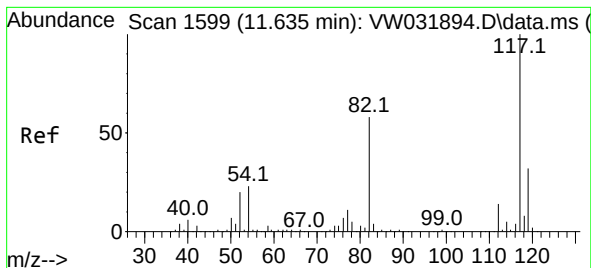
Tgt Ion: 98 Resp: 464468
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 95 Resp: 176776
Ion Ratio Lower Upper
95 100
174 65.6 0.0 129.8
176 64.8 0.0 130.4

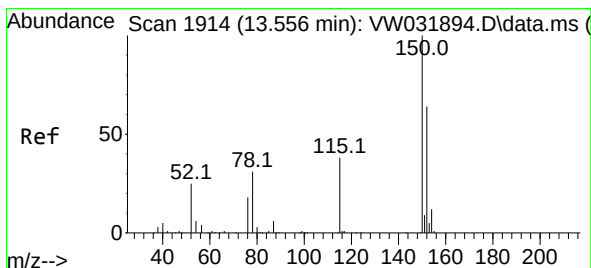
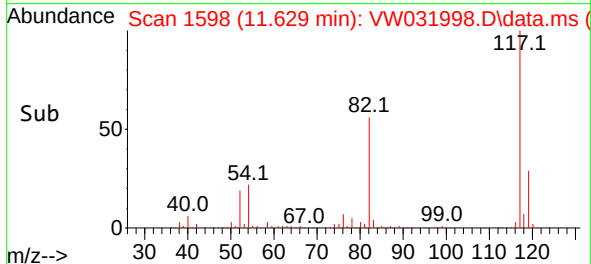
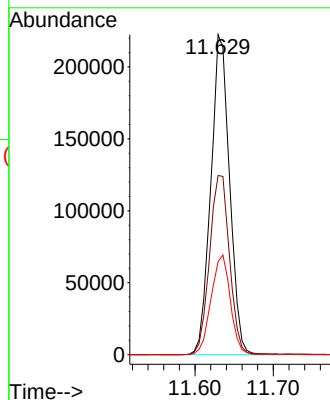
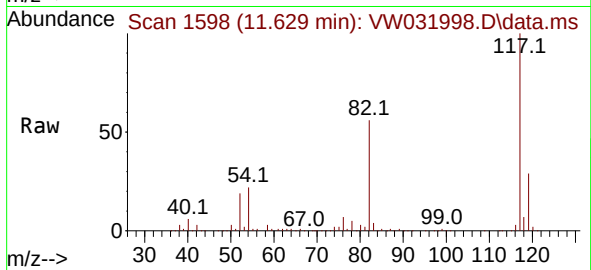




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Instrument :
MSVOA_W
ClientSampleId :
WASTE

Tgt Ion:117 Resp: 370242
Ion Ratio Lower Upper
117 100
82 56.0 46.5 69.7
119 29.1 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: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion:152 Resp: 168478
Ion Ratio Lower Upper
152 100
115 66.6 33.4 100.1
150 165.8 0.0 352.2

