

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031911.D
 Acq On : 23 Jul 2025 14:24
 Operator : SY/MD
 Sample : Q2677-03
 Misc : 5.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-07222025

Quant Time: Jul 24 02:53:17 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	7.959	168	198194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	413379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	377021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187590	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159979	53.359	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.720%
35) Dibromofluoromethane	7.904	113	134798	47.988	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.980%
50) Toluene-d8	10.331	98	513202	48.274	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.617	95	189441	46.407	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.820%

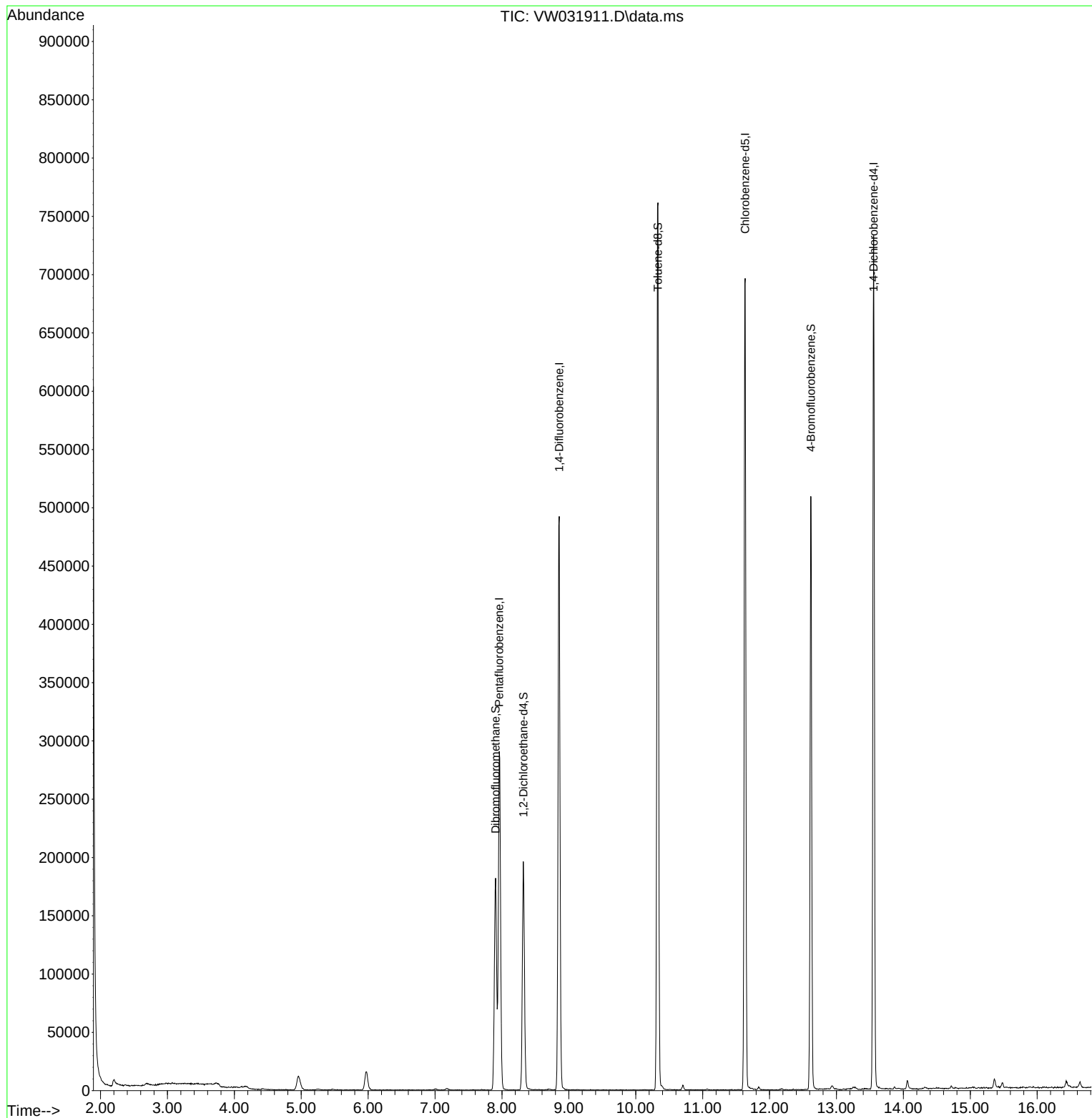
Target Compounds	Qvalue

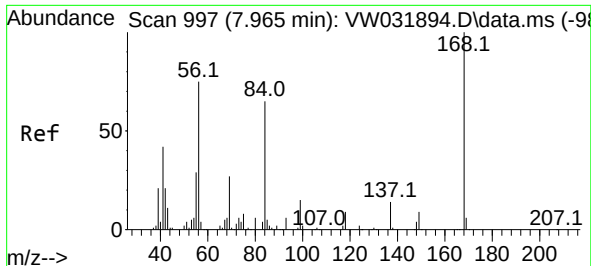
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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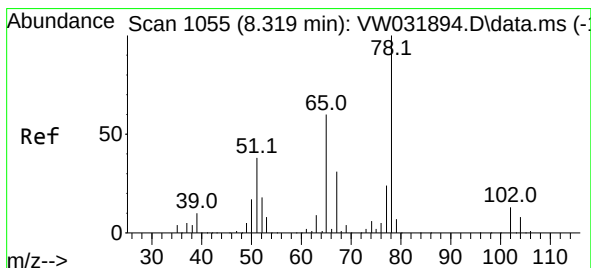
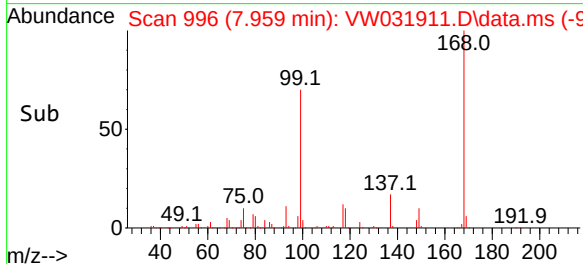
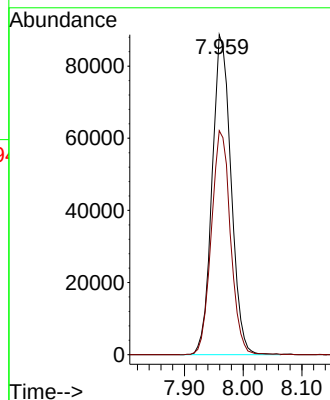
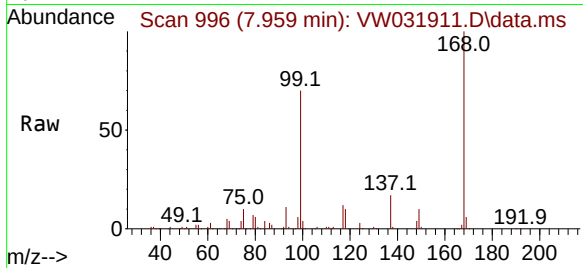




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

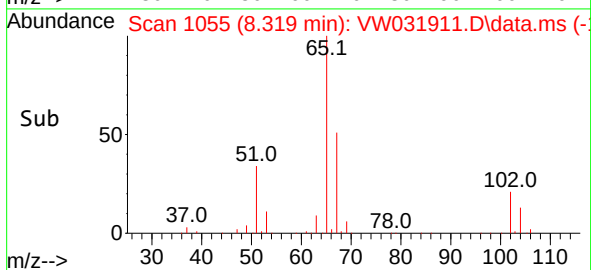
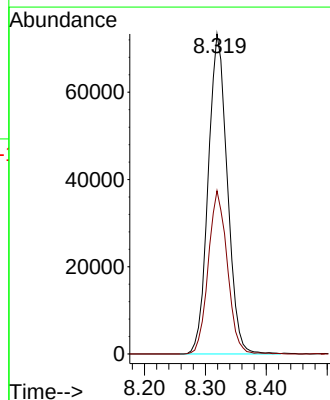
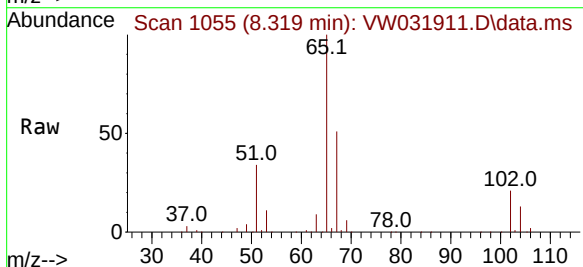
Instrument :
MSVOA_W
ClientSampleId :
OK-03-07222025

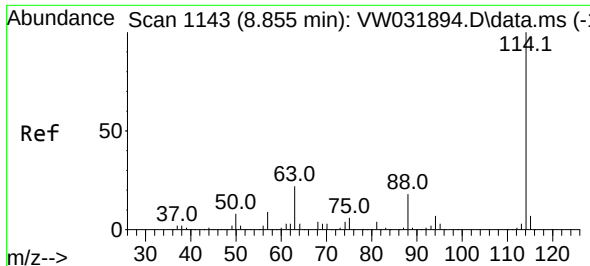
Tgt Ion:168 Resp: 198194
Ion Ratio Lower Upper
168 100
99 70.0 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 53.359 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 65 Resp: 159979
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4

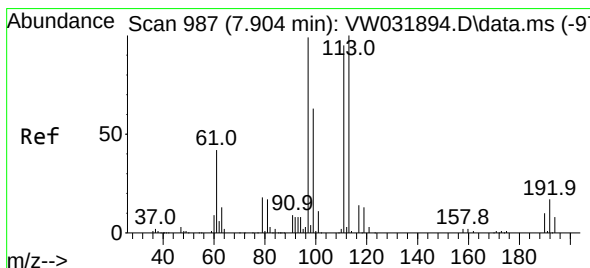
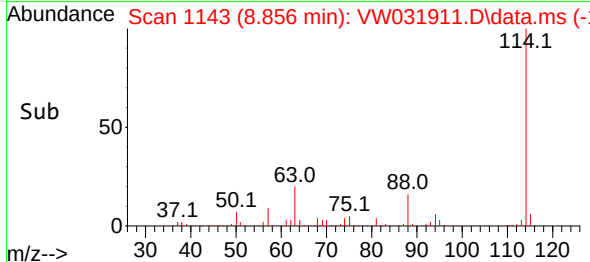
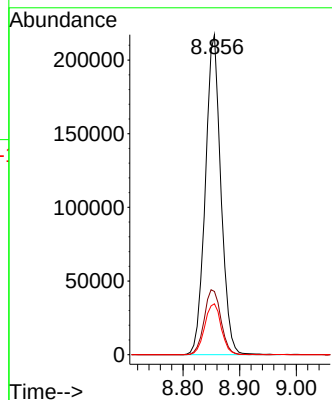
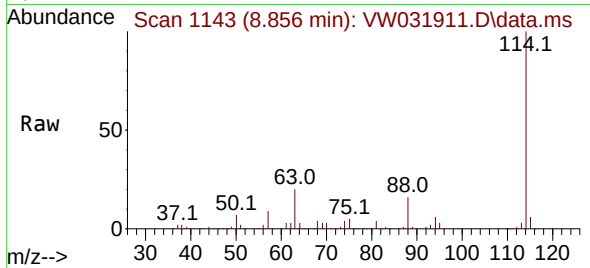




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

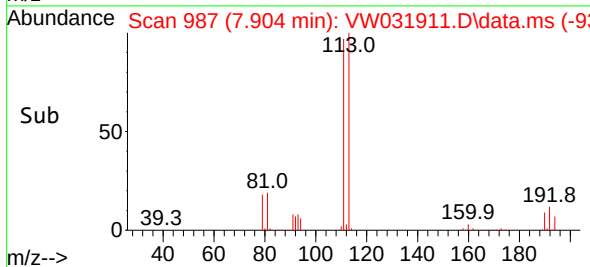
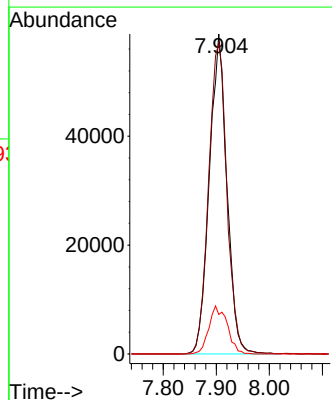
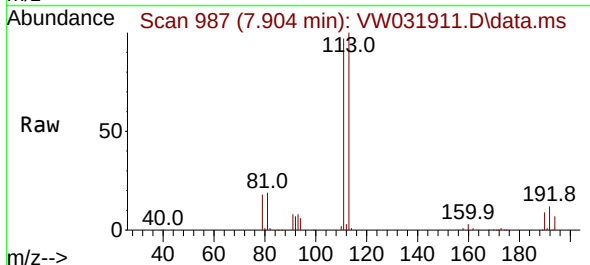
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MSVOA_W
ClientSampleId :
OK-03-07222025

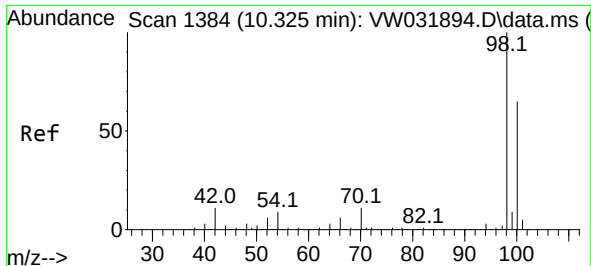
Tgt Ion:114 Resp: 413379
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.2
88 15.9 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.988 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion:113 Resp: 134798
Ion Ratio Lower Upper
113 100
111 101.7 79.9 119.9
192 15.8 12.6 19.0

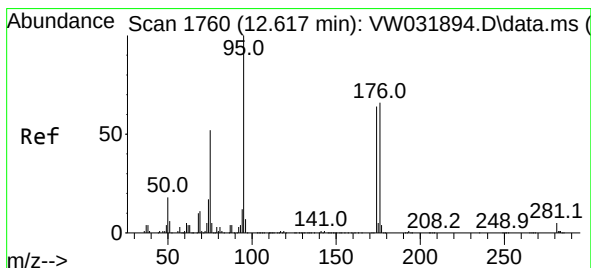
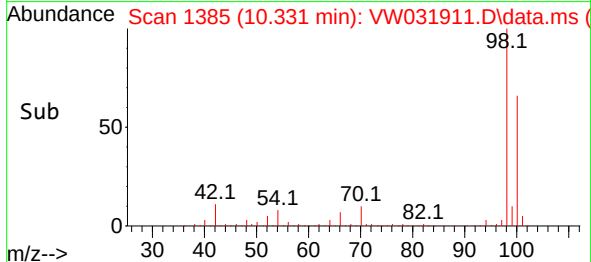
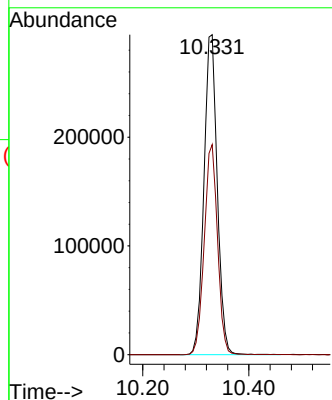
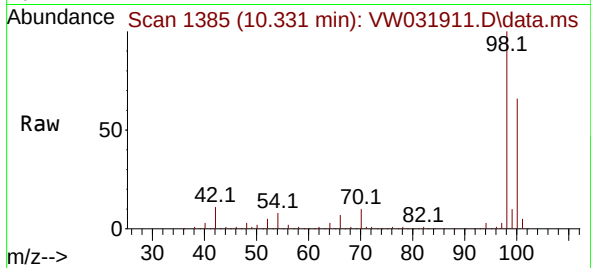




#50
Toluene-d8
Concen: 48.274 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

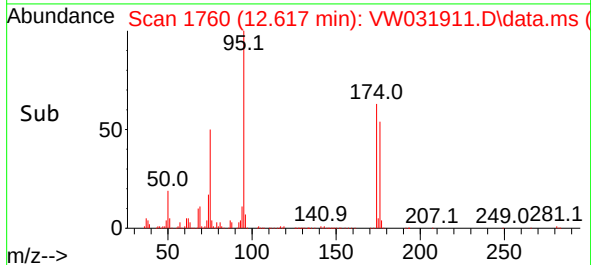
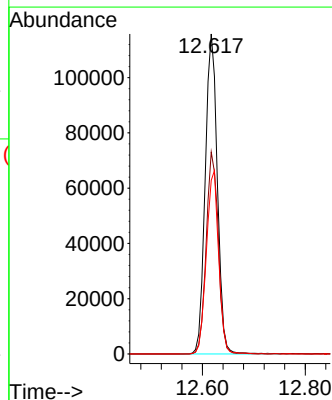
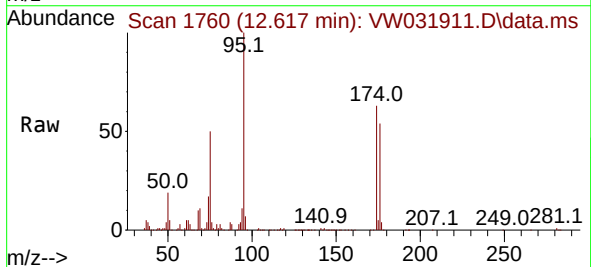
Instrument :
MSVOA_W
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OK-03-07222025

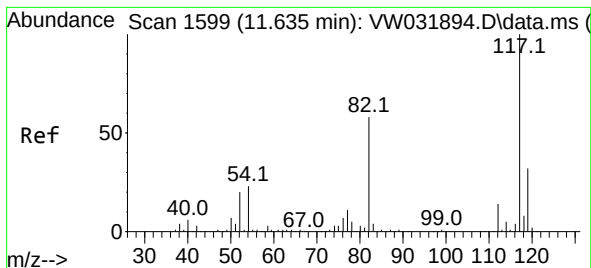
Tgt Ion: 98 Resp: 513202
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.407 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 95 Resp: 189441
Ion Ratio Lower Upper
95 100
174 63.0 0.0 129.8
176 58.0 0.0 130.4

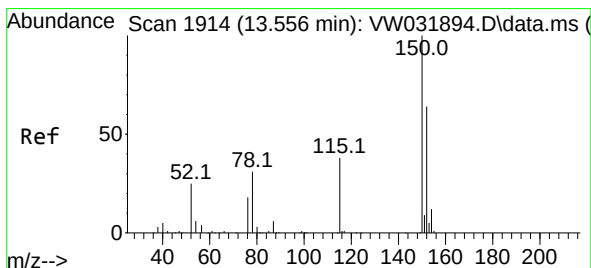
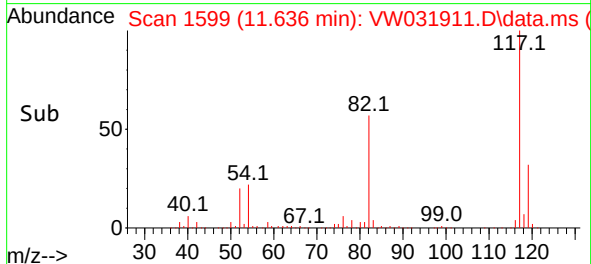
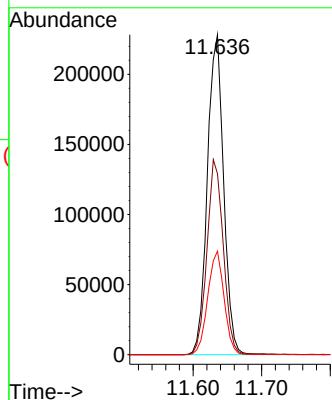
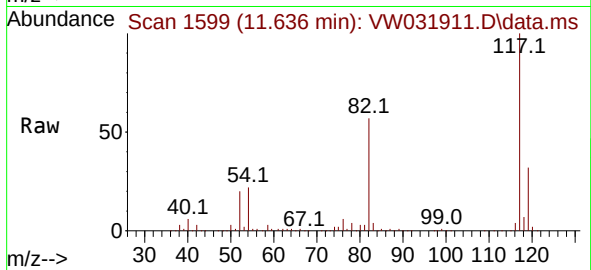




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Instrument :
MSVOA_W
ClientSampleId :
OK-03-07222025

Tgt Ion:117 Resp: 377021
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.3 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: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion:152 Resp: 187590
Ion Ratio Lower Upper
152 100
115 64.3 33.4 100.1
150 151.3 0.0 352.2

