

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031851.D
 Acq On : 14 Jul 2025 15:52
 Operator : SY/MD
 Sample : Q2598-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-071425

Quant Time: Jul 15 02:46:17 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	7.971	168	193123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	384487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	378033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173318	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133390	48.129	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.260%
35) Dibromofluoromethane	7.904	113	117349	46.772	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.540%
50) Toluene-d8	10.331	98	420290	45.014	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.020%
62) 4-Bromofluorobenzene	12.617	95	173768	50.573	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.140%

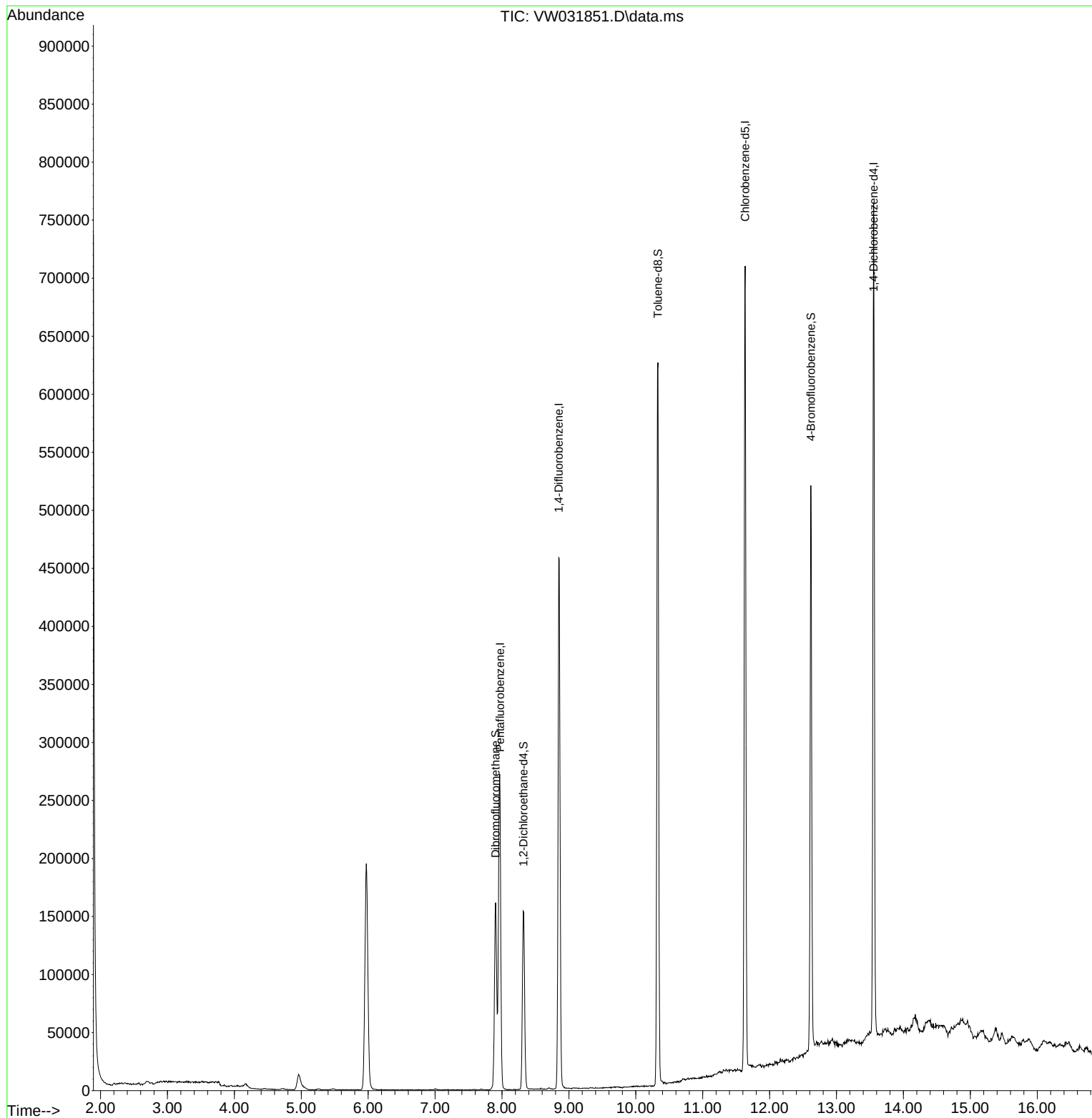
Target Compounds	Qvalue

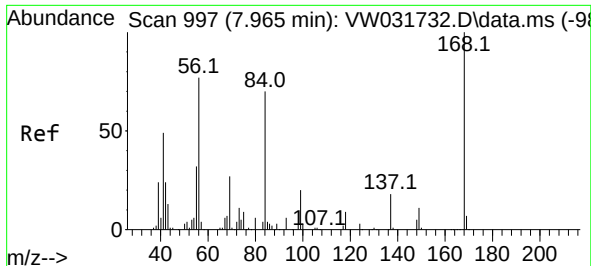
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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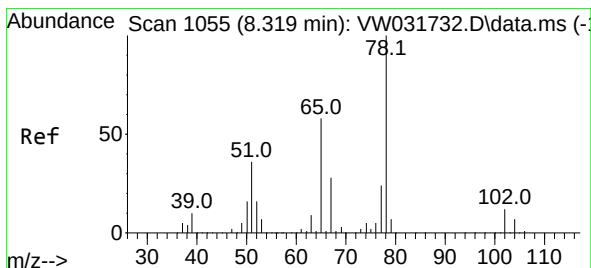
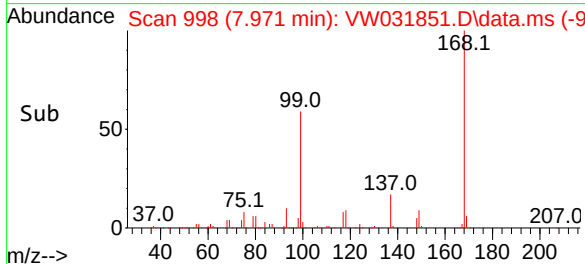
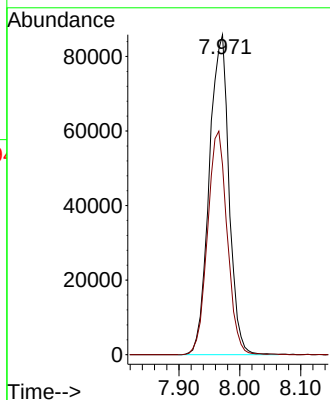
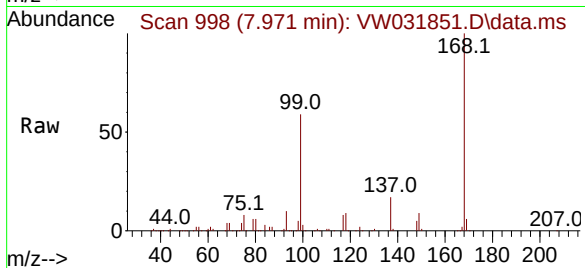




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 997
Delta R.T. 0.006 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

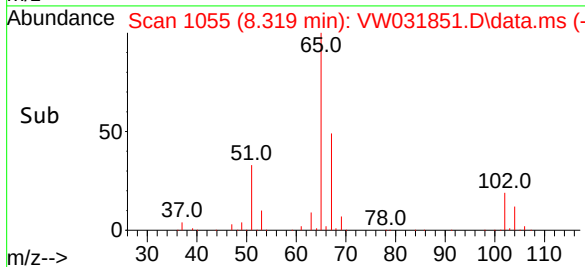
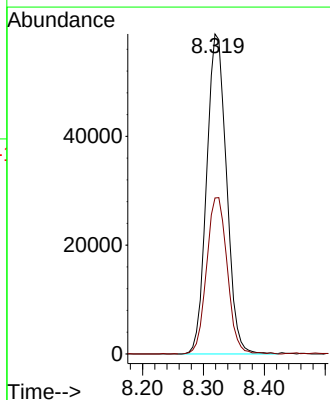
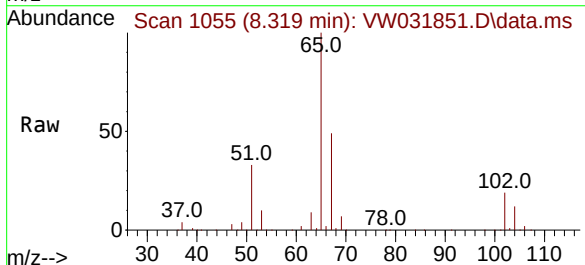
Instrument :
MSVOA_W
ClientSampleId :
OK-01-071425

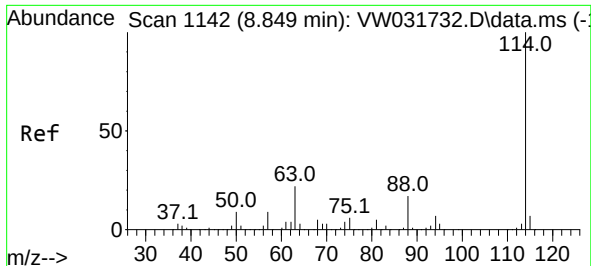
Tgt Ion:168 Resp: 193123
Ion Ratio Lower Upper
168 100
99 59.4 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 48.129 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

Tgt Ion: 65 Resp: 133390
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.4

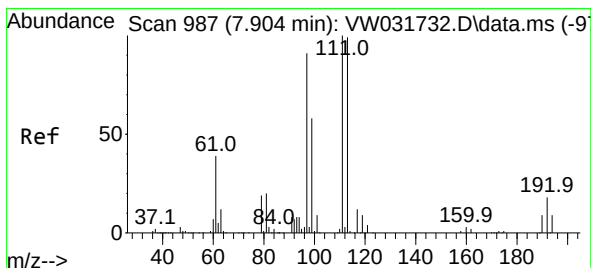
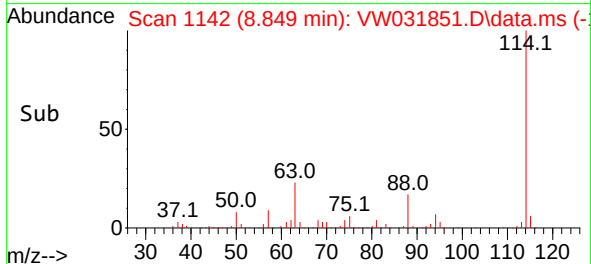
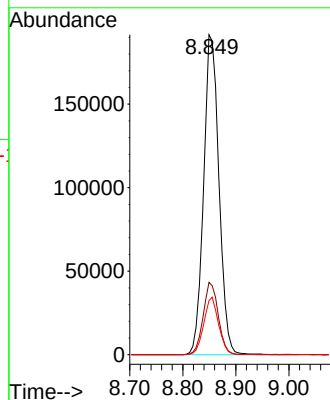
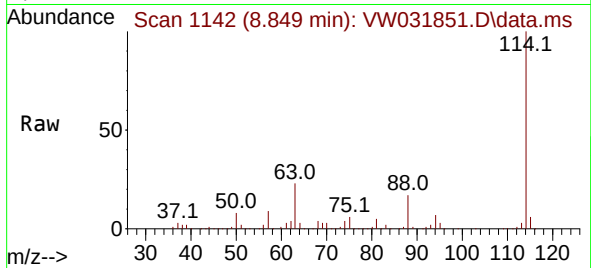




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

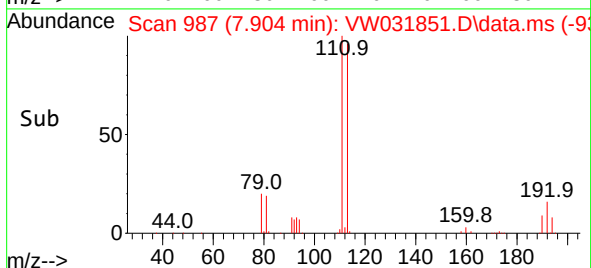
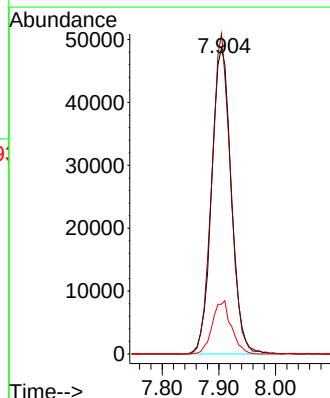
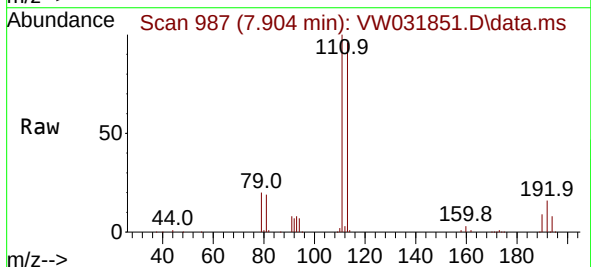
Instrument :
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ClientSampleId :
OK-01-071425

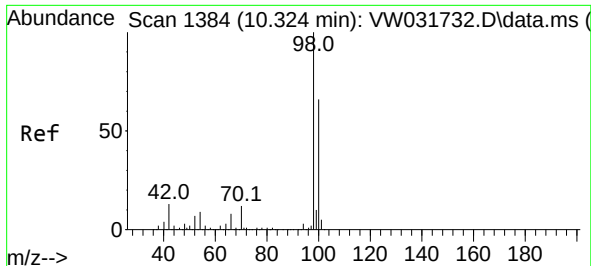
Tgt Ion:114 Resp: 384487
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.6
88 16.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.772 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

Tgt Ion:113 Resp: 117349
Ion Ratio Lower Upper
113 100
111 100.7 82.1 123.1
192 16.8 13.8 20.6

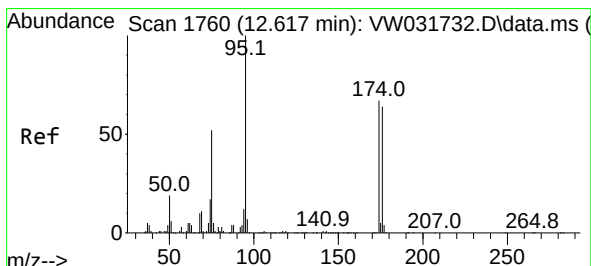
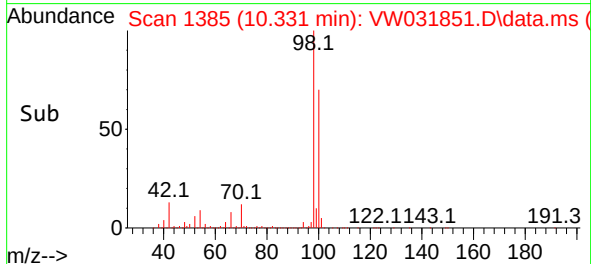
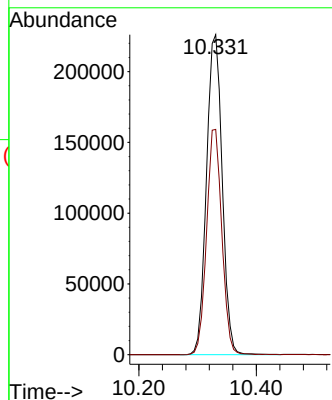
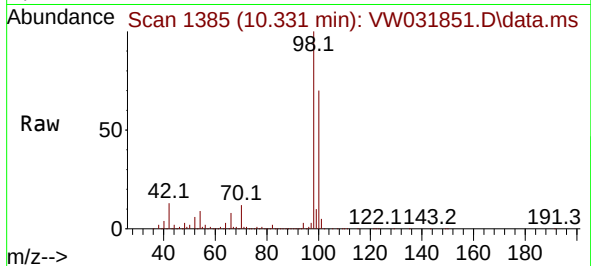




#50
Toluene-d8
Concen: 45.014 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

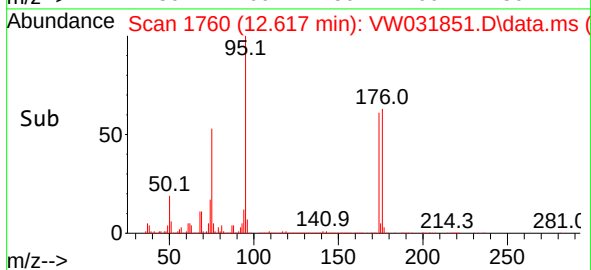
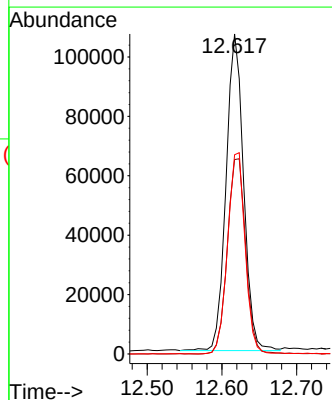
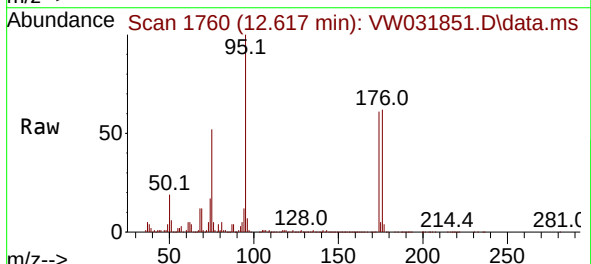
Instrument :
MSVOA_W
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OK-01-071425

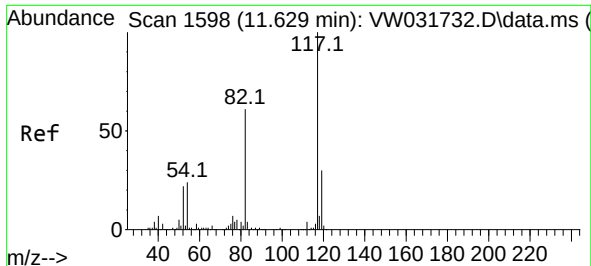
Tgt Ion: 98 Resp: 420290
Ion Ratio Lower Upper
98 100
100 68.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 50.573 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

Tgt Ion: 95 Resp: 173768
Ion Ratio Lower Upper
95 100
174 64.6 0.0 133.8
176 63.6 0.0 126.0

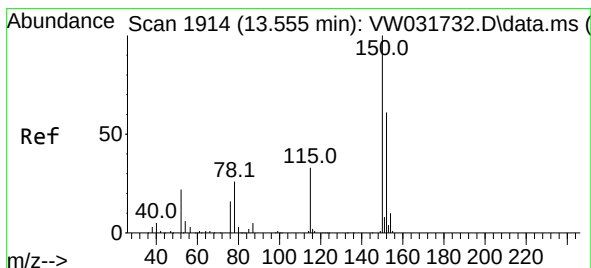
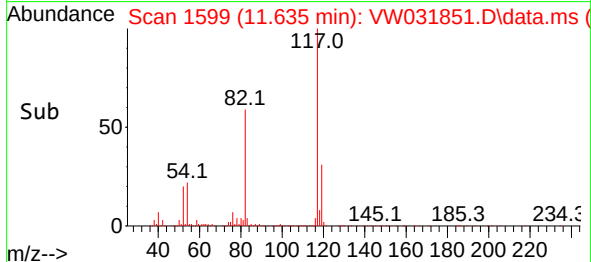
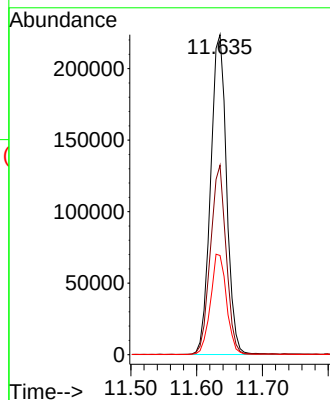
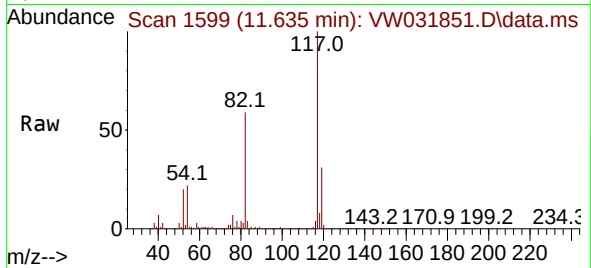




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031851.D
Acq: 14 Jul 2025 15:52

Instrument :
MSVOA_W
ClientSampleId :
OK-01-071425

Tgt Ion:117 Resp: 378033
Ion Ratio Lower Upper
117 100
82 59.2 48.6 72.8
119 30.9 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: VW031851.D
Acq: 14 Jul 2025 15:52

Tgt Ion:152 Resp: 173318
Ion Ratio Lower Upper
152 100
115 67.0 31.9 95.7
150 156.1 0.0 356.4

