

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031848.D
 Acq On : 14 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2589-01
 Misc : 5.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-071125

Quant Time: Jul 15 02:45:11 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	198033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	394580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	374777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181491	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137922	48.530	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.060%
35) Dibromofluoromethane	7.904	113	116571	45.274	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.540%
50) Toluene-d8	10.325	98	421128	43.950	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.900%
62) 4-Bromofluorobenzene	12.617	95	167519	47.508	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.020%

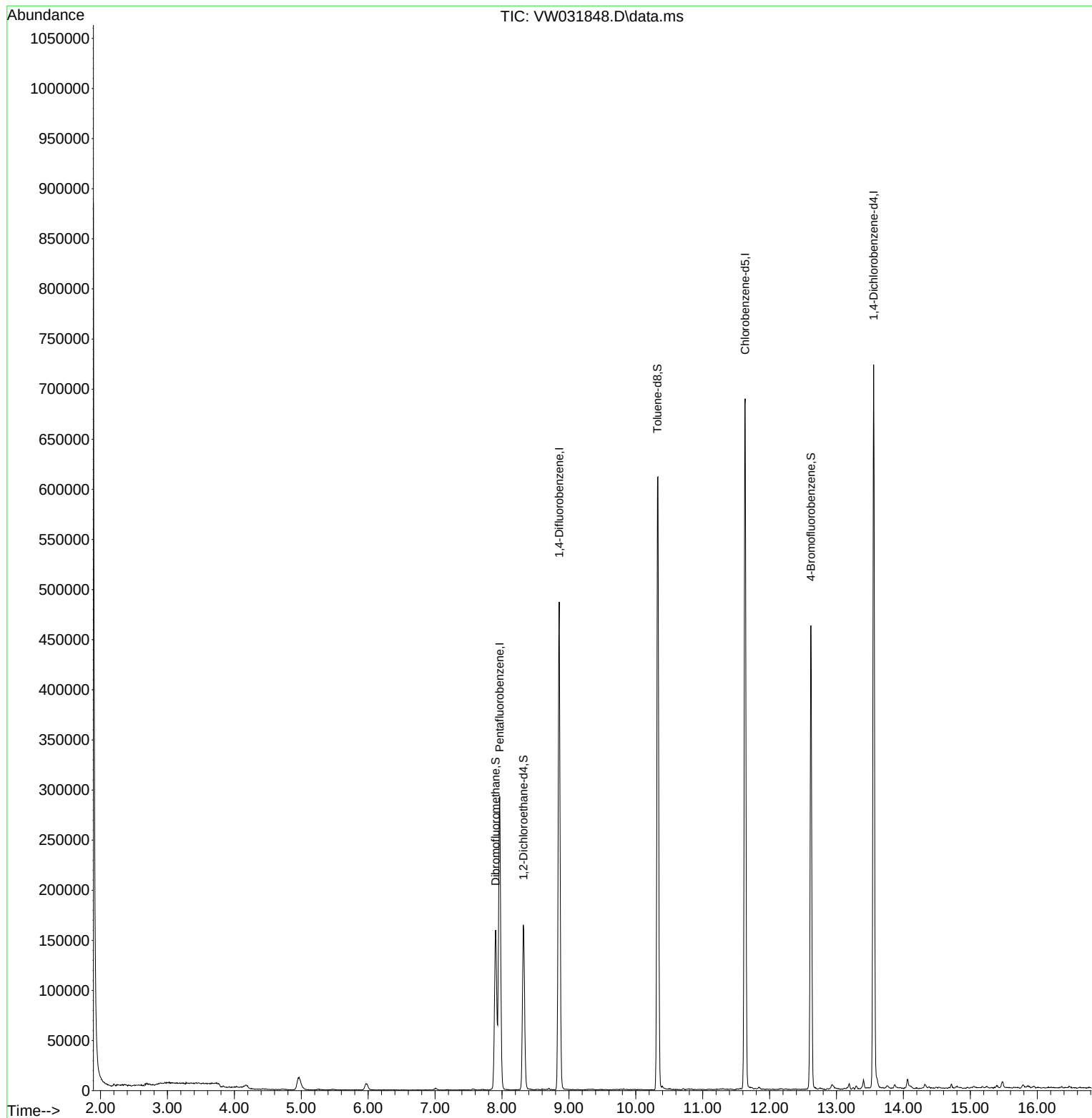
Target Compounds	Qvalue

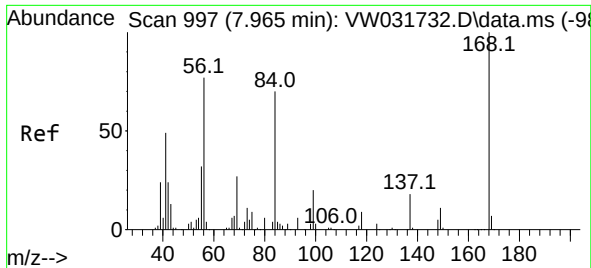
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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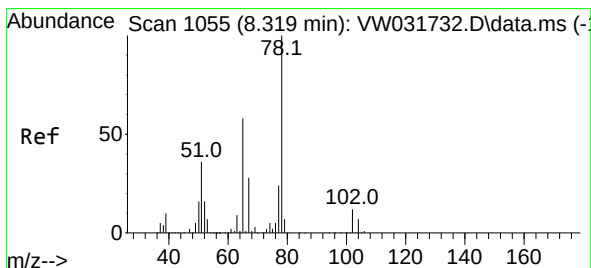
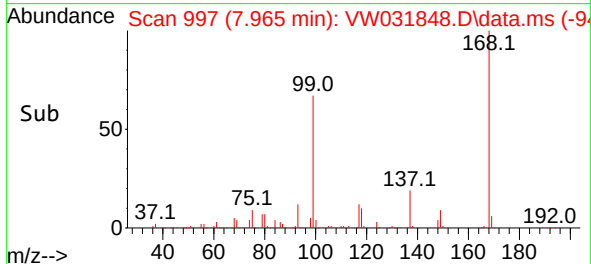
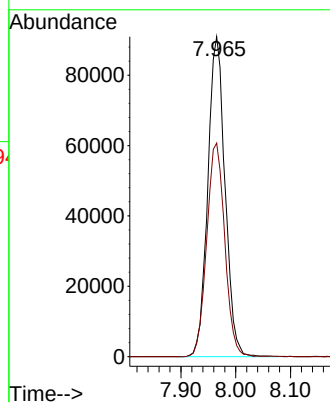
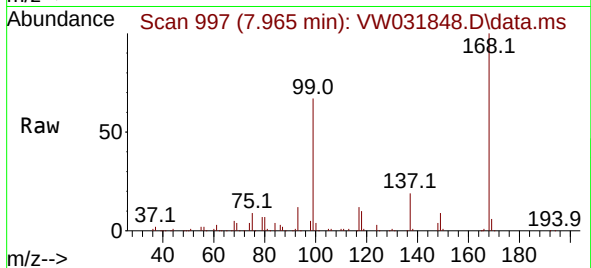




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

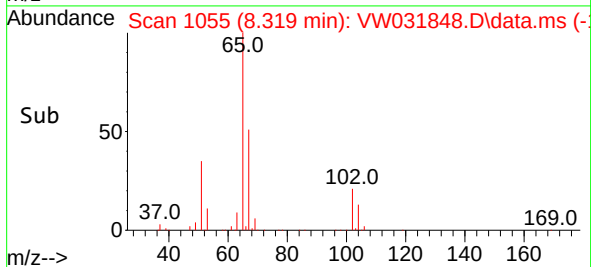
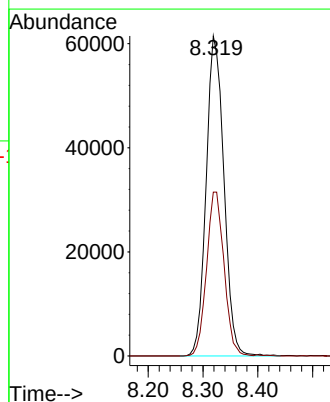
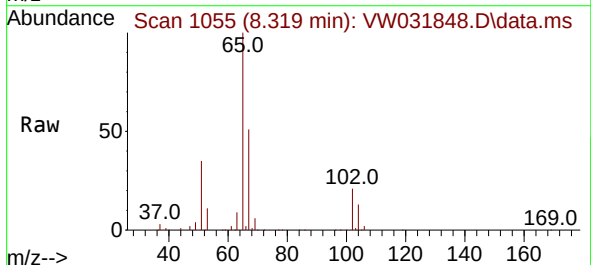
Instrument :
MSVOA_W
ClientSampleId :
AU-06-071125

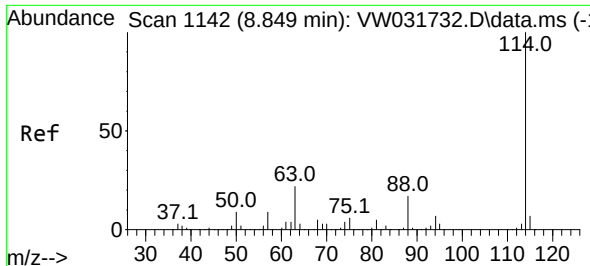
Tgt Ion:168 Resp: 198033
Ion Ratio Lower Upper
168 100
99 66.8 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 48.530 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Tgt Ion: 65 Resp: 137922
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

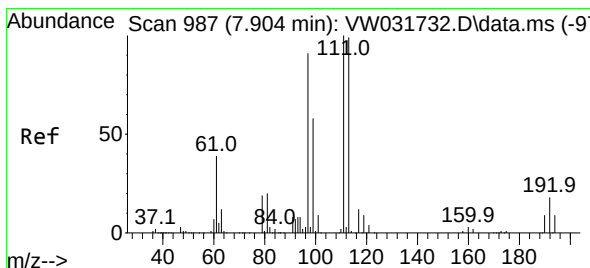
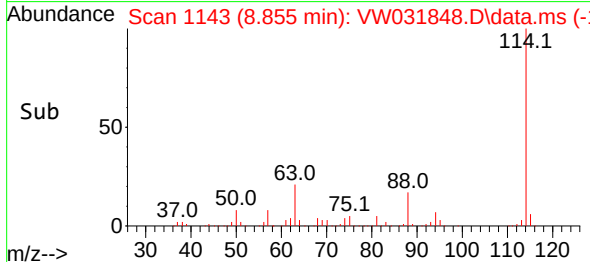
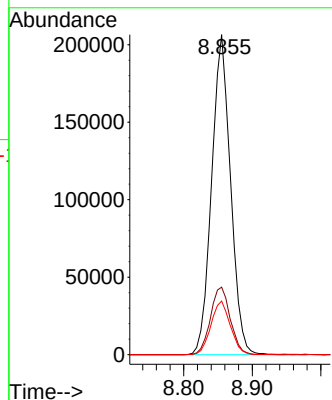
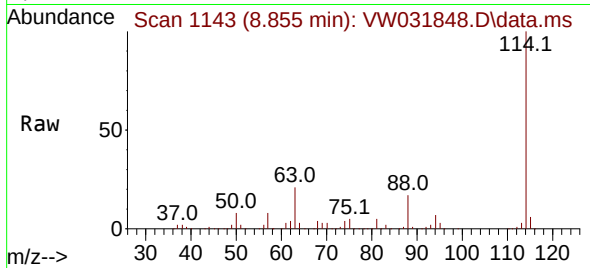




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

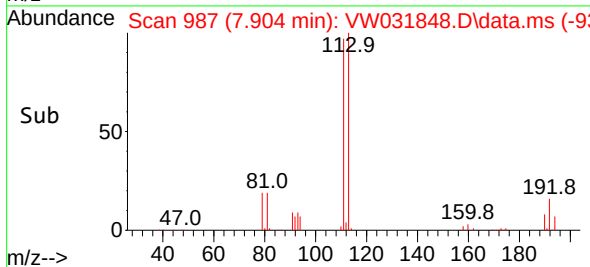
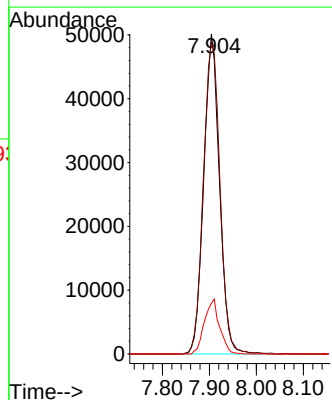
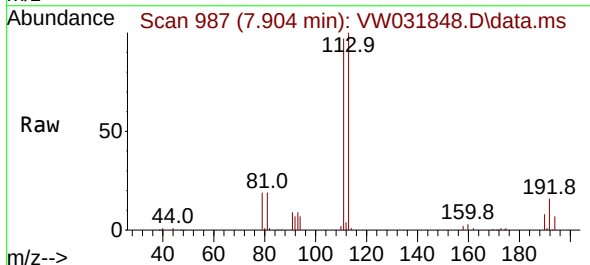
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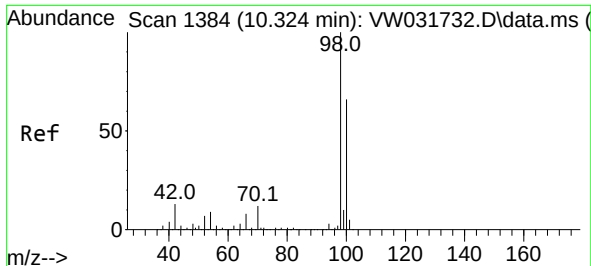
Tgt Ion:114 Resp: 394580
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.6
 88 16.8 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 45.274 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

Tgt Ion:113 Resp: 116571
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.1 123.1
 192 16.4 13.8 20.6

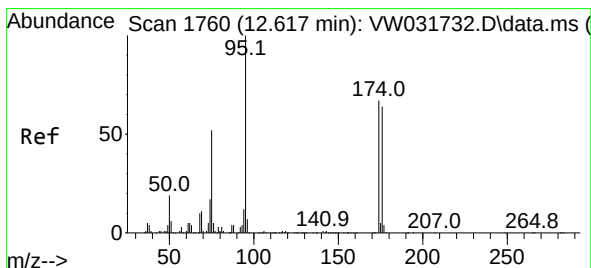
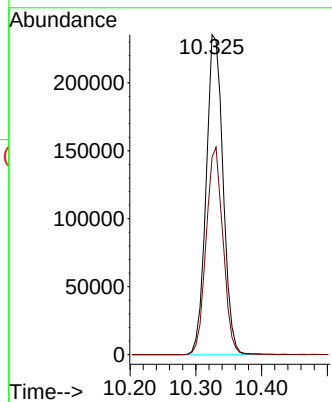
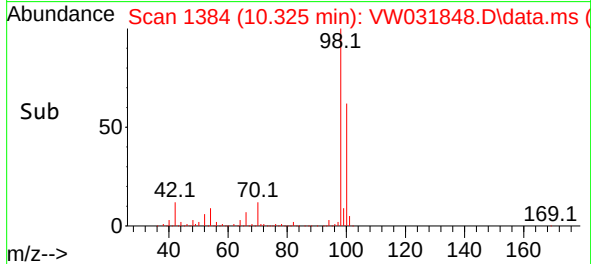
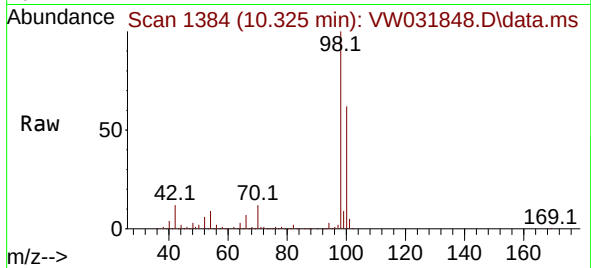




#50
Toluene-d8
Concen: 43.950 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

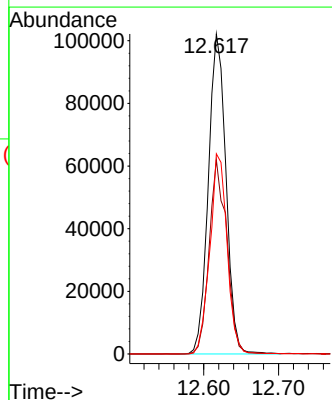
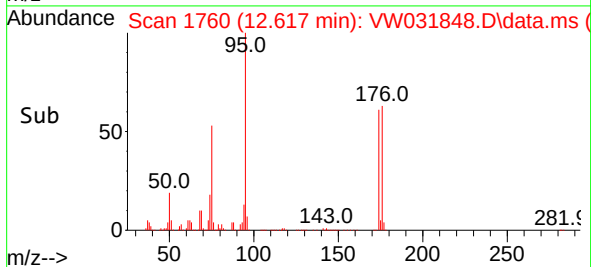
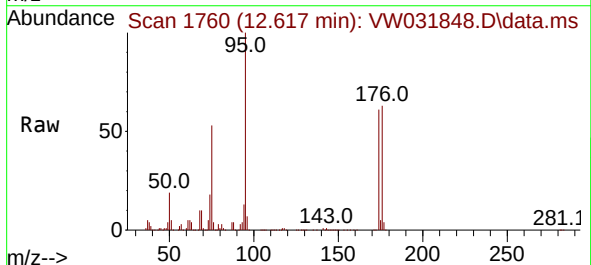
Instrument :
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ClientSampleId :
AU-06-071125

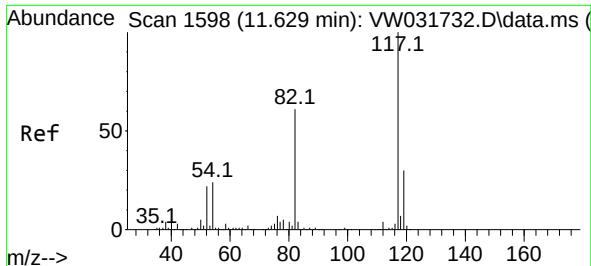
Tgt Ion: 98 Resp: 421128
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.508 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Tgt Ion: 95 Resp: 167519
Ion Ratio Lower Upper
95 100
174 60.8 0.0 133.8
176 61.5 0.0 126.0

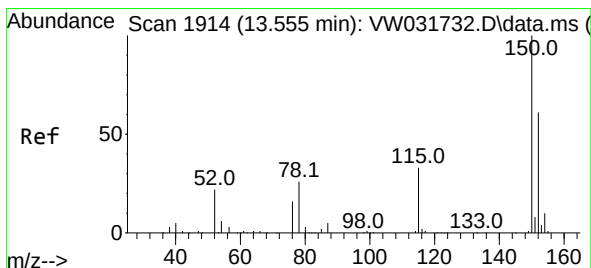
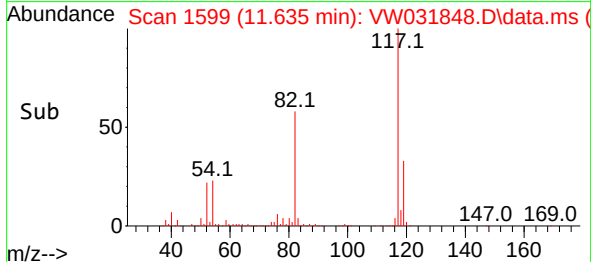
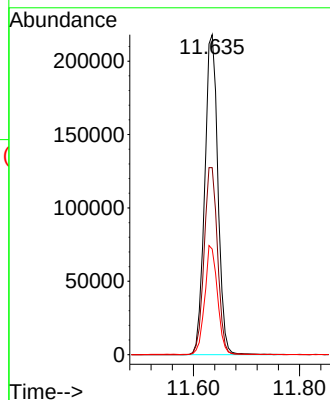
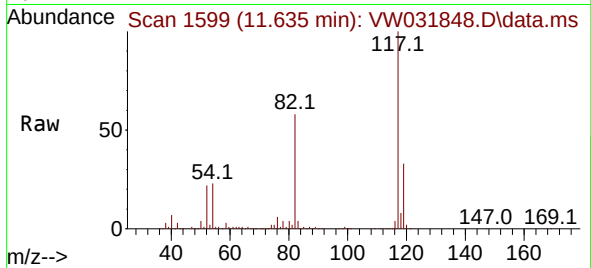




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Instrument :
MSVOA_W
ClientSampleId :
AU-06-071125

Tgt Ion:117 Resp: 374777
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 32.9 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: VW031848.D
Acq: 14 Jul 2025 14:13

Tgt Ion:152 Resp: 181491
Ion Ratio Lower Upper
152 100
115 65.3 31.9 95.7
150 154.9 0.0 356.4

