

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031912.D
 Acq On : 23 Jul 2025 15:15
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 24 02:53:39 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	198721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	396967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	189638	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150296	49.996	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.000%
35) Dibromofluoromethane	7.892	113	127767	46.071	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.140%
50) Toluene-d8	10.325	98	493449	47.013	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.020%
62) 4-Bromofluorobenzene	12.617	95	187775	46.591	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.180%

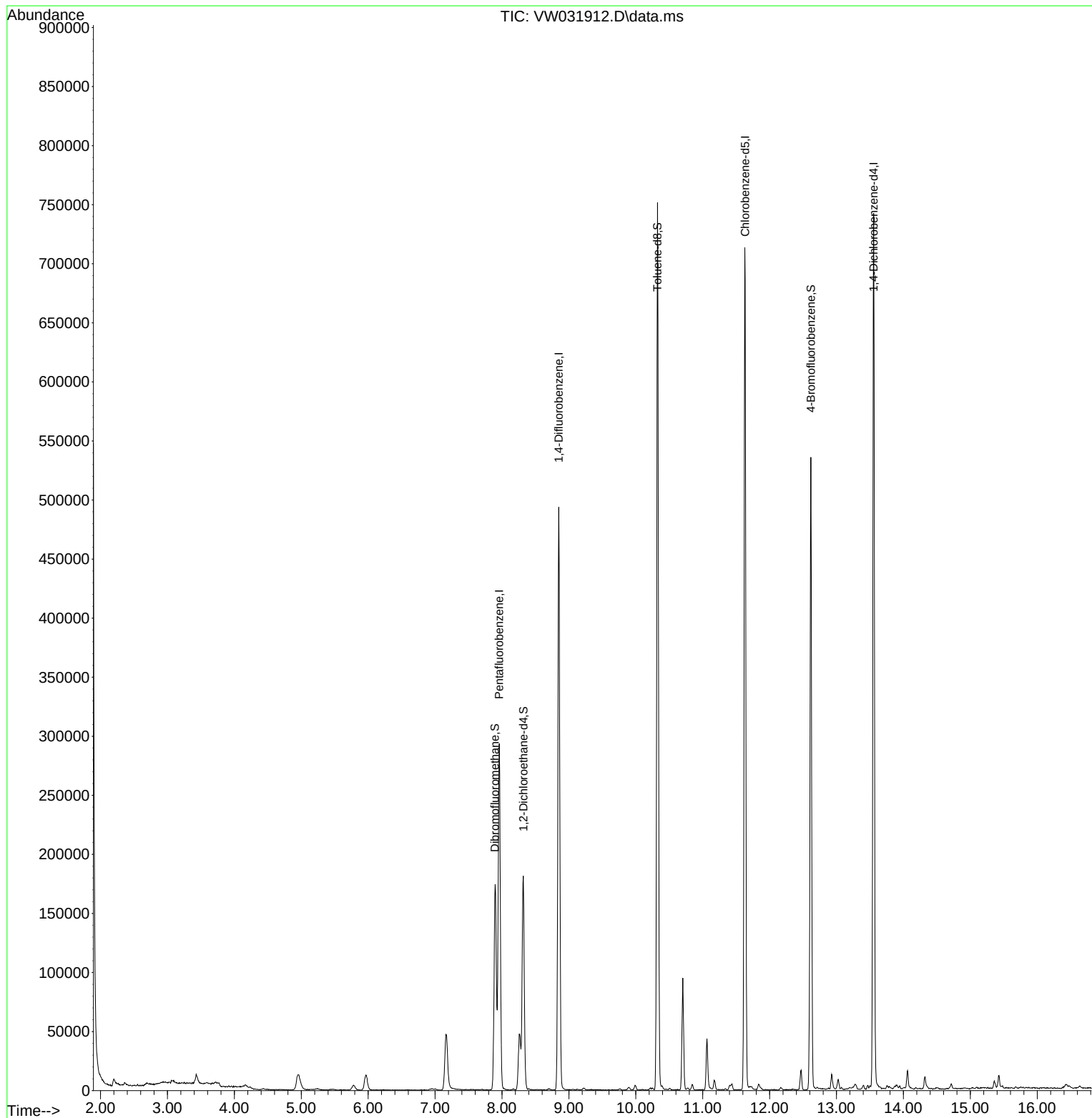
Target Compounds	Qvalue

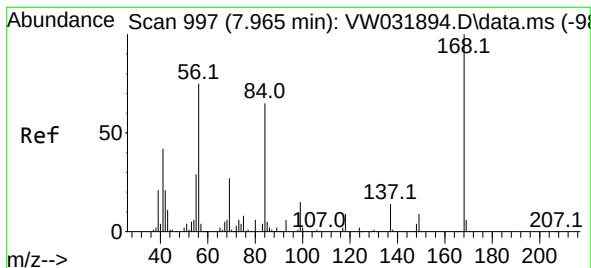
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 99

Delta R.T. -0.006 min

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Instrument :

MSVOA_W

ClientSampleId :

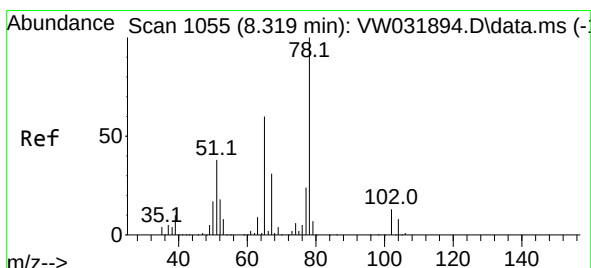
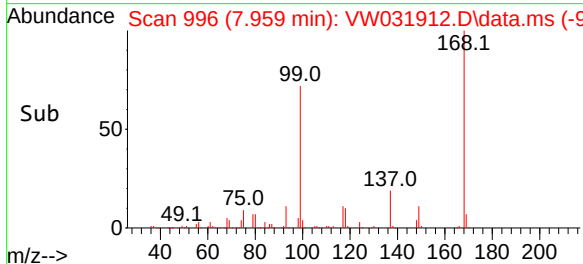
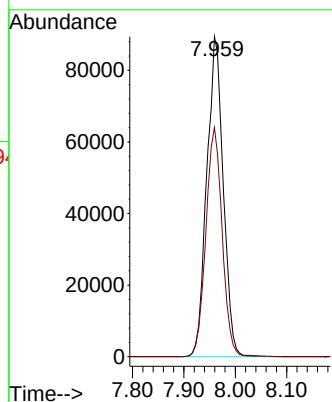
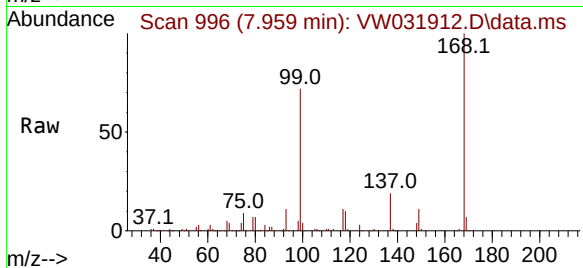
VIBLK

Tgt Ion:168 Resp: 198721

Ion Ratio Lower Upper

168 100

99 71.6 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 49.996 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031912.D

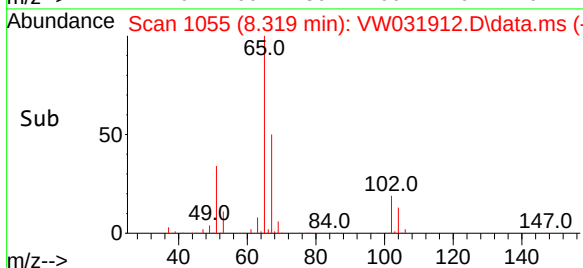
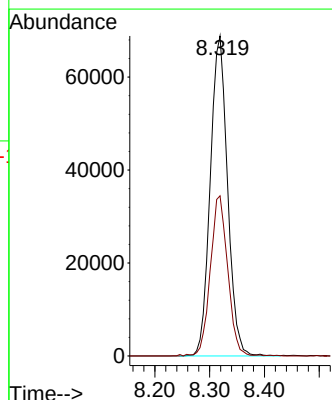
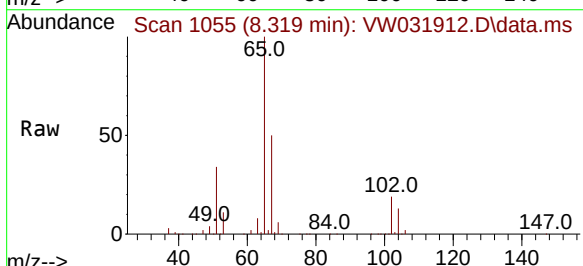
Acq: 23 Jul 2025 15:15

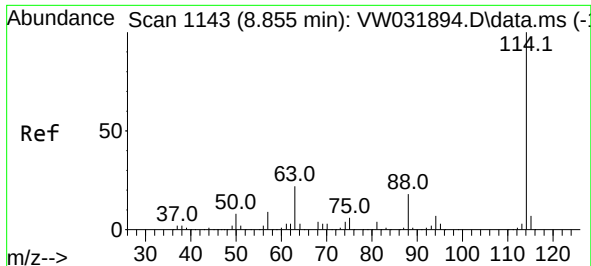
Tgt Ion: 65 Resp: 150296

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031912.D

Acq: 23 Jul 2025 15:15

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

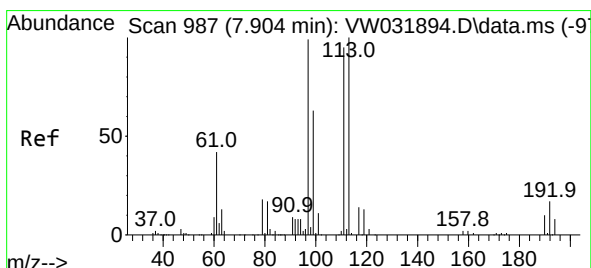
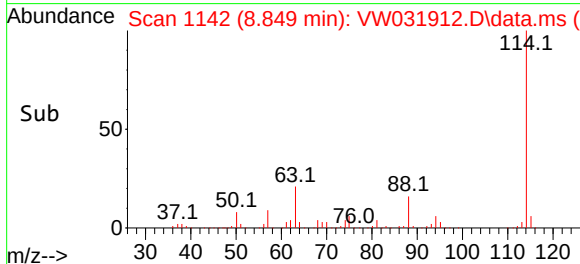
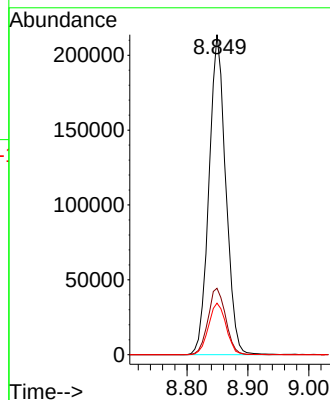
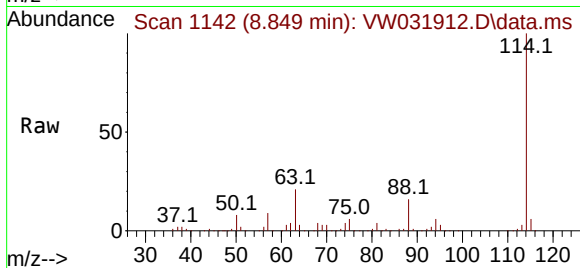
Tgt Ion:114 Resp: 408126

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

88 16.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.071 ug/l

RT: 7.892 min Scan# 985

Delta R.T. -0.012 min

Lab File: VW031912.D

Acq: 23 Jul 2025 15:15

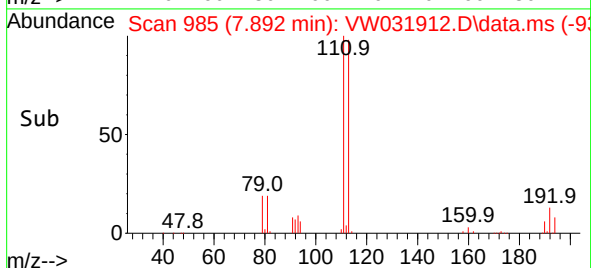
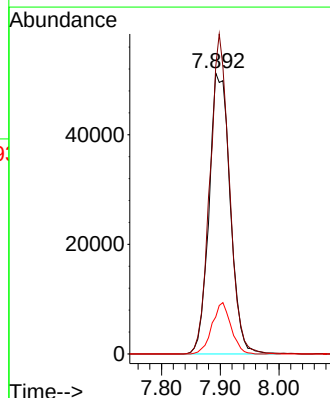
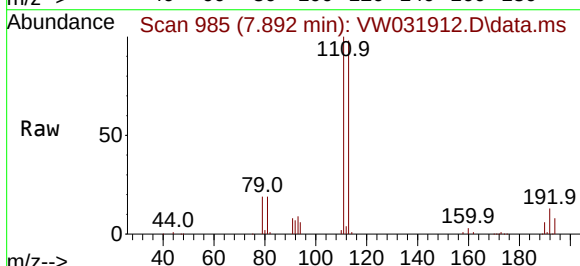
Tgt Ion:113 Resp: 127767

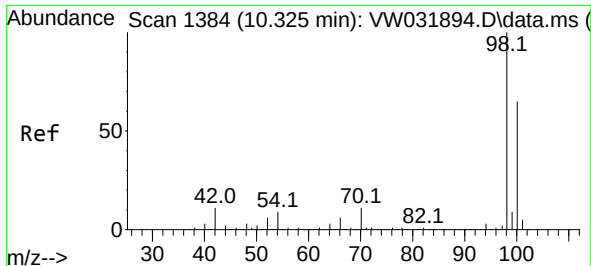
Ion Ratio Lower Upper

113 100

111 105.0 79.9 119.9

192 16.4 12.6 19.0

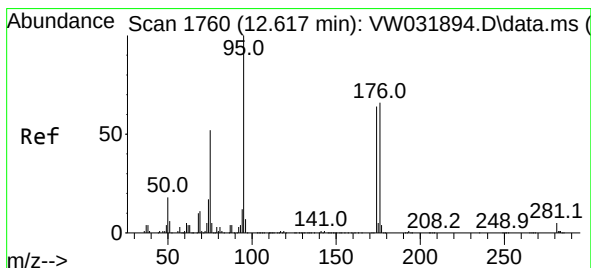
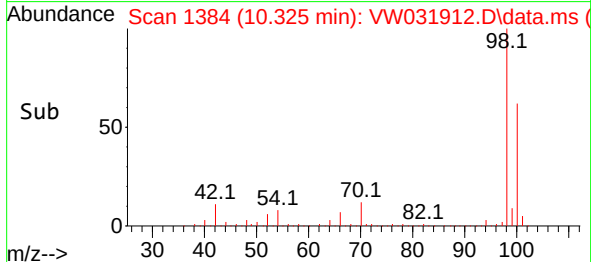
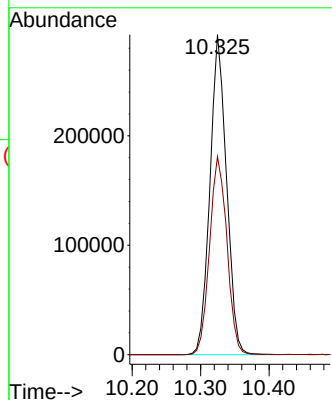
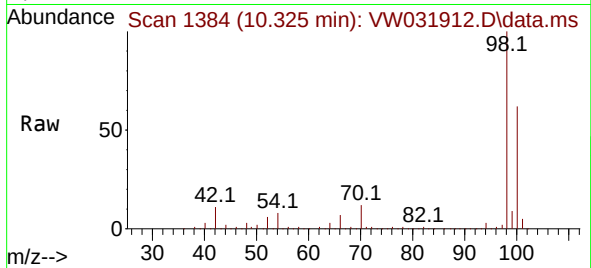




#50
Toluene-d8
Concen: 47.013 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

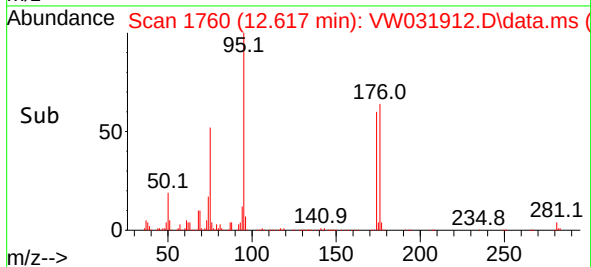
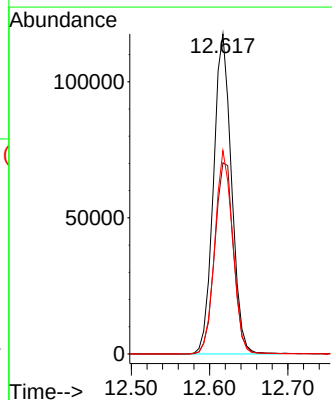
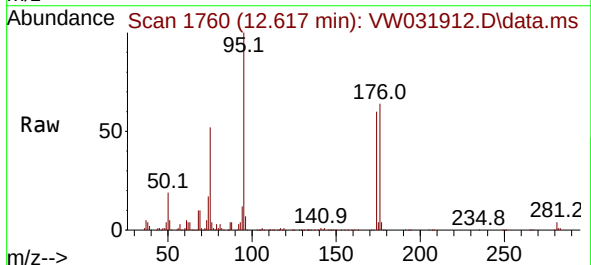
Instrument :
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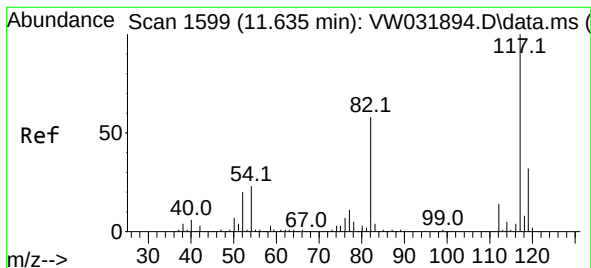
Tgt Ion: 98 Resp: 493449
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.591 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion: 95 Resp: 187775
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 63.1 0.0 130.4

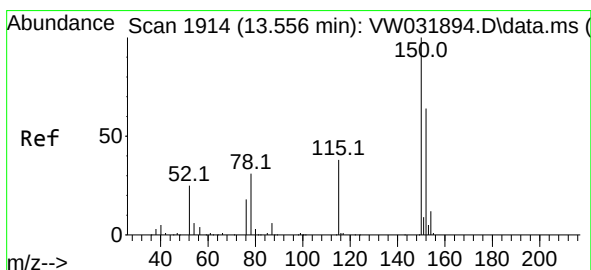
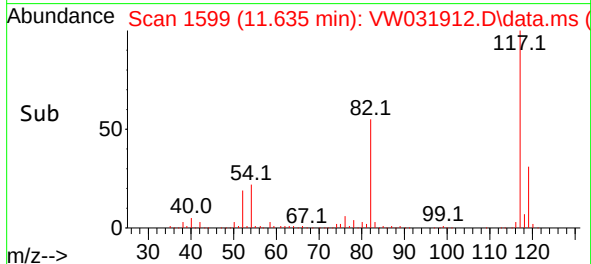
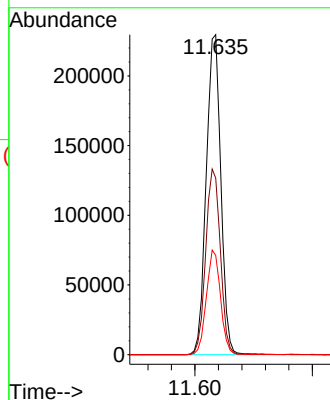
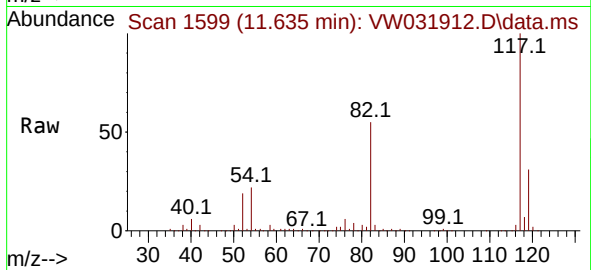




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031912.D
Acq: 23 Jul 2025 15:15

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 396967
Ion Ratio Lower Upper
117 100
82 55.2 46.5 69.7
119 31.0 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: VW031912.D
Acq: 23 Jul 2025 15:15

Tgt Ion:152 Resp: 189638
Ion Ratio Lower Upper
152 100
115 65.2 33.4 100.1
150 156.7 0.0 352.2

