

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032012.D
 Acq On : 05 Aug 2025 14:59
 Operator : SY/MD
 Sample : Q2774-05
 Misc : 5.09g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 R5

Quant Time: Aug 06 03:54:58 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	186769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	395253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	382509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143644	50.841	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	101.680%
35) Dibromofluoromethane	7.904	113	126597	47.136	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.280%
50) Toluene-d8	10.325	98	466314	45.875	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.740%
62) 4-Bromofluorobenzene	12.617	95	180185	46.164	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.320%

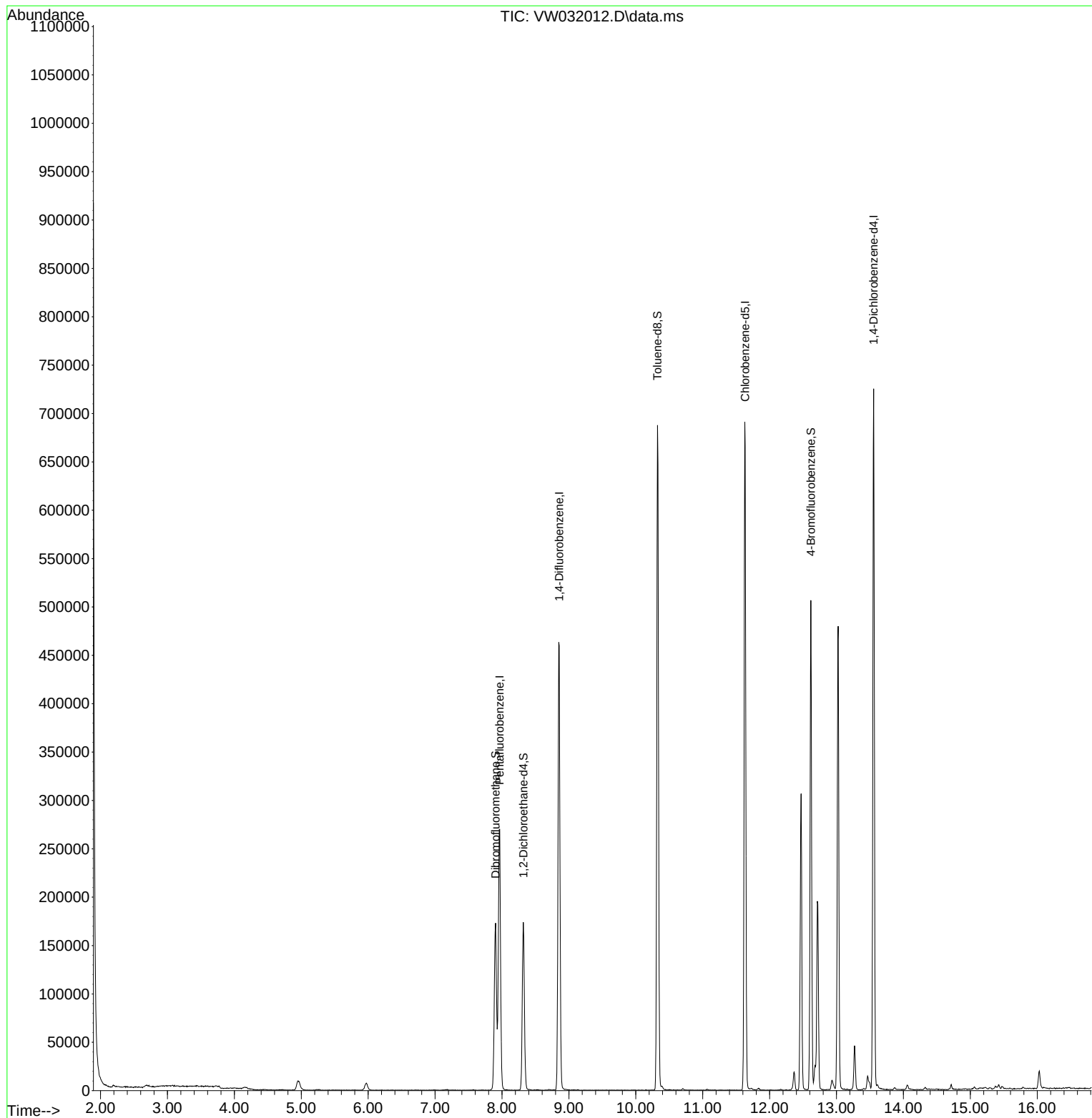
Target Compounds	Qvalue

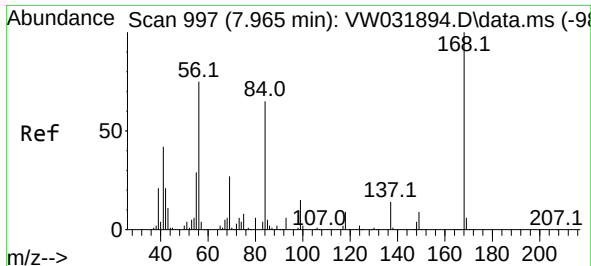
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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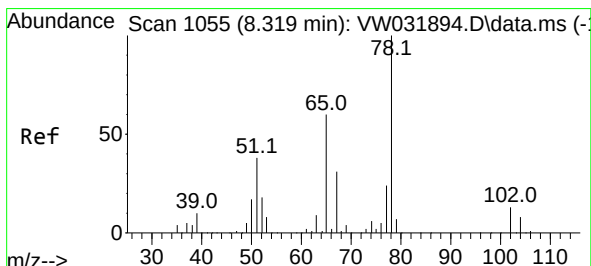
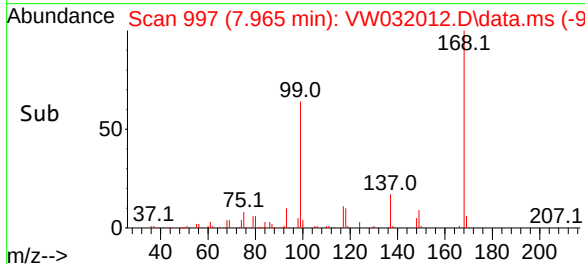
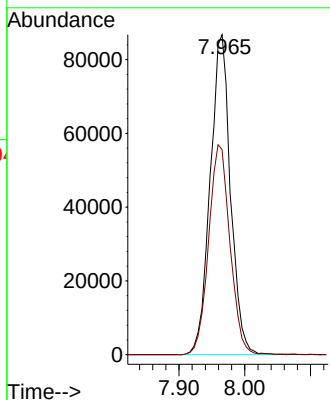
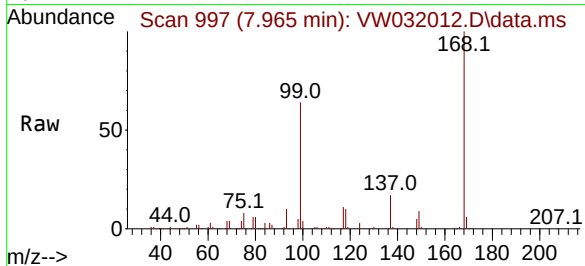




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

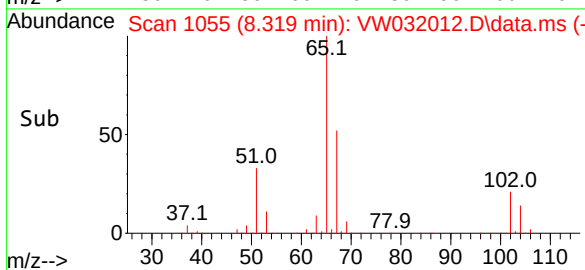
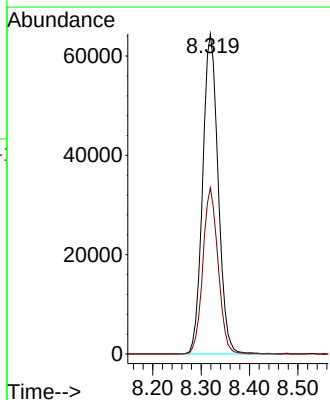
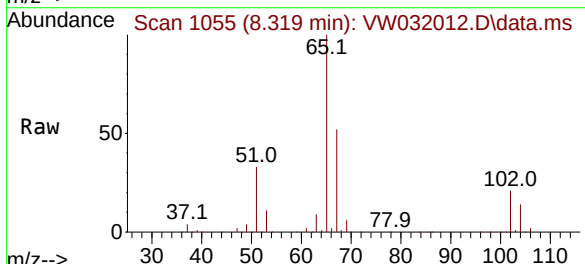
Instrument :
MSVOA_W
ClientSampleId :
R5

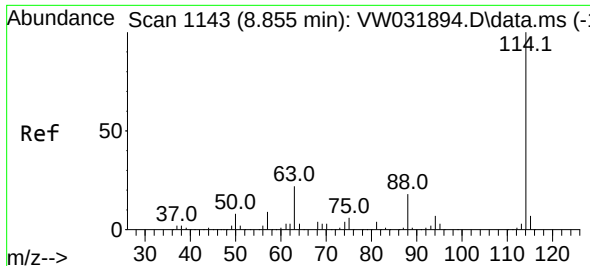
Tgt Ion:168 Resp: 186769
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 50.841 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion: 65 Resp: 143644
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

R5

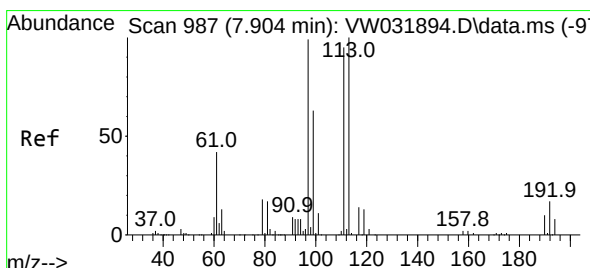
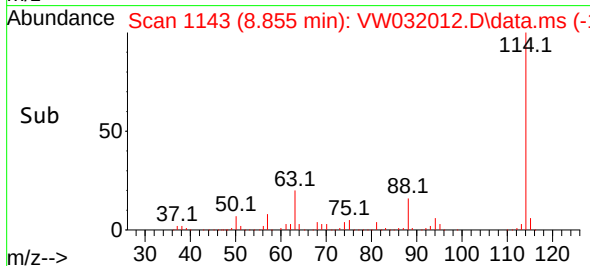
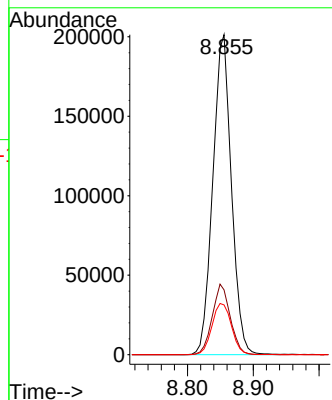
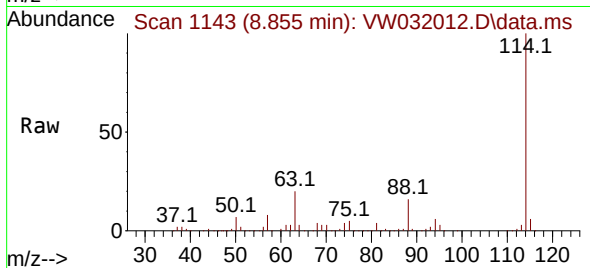
Tgt Ion:114 Resp: 395253

Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.2

88 15.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.136 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

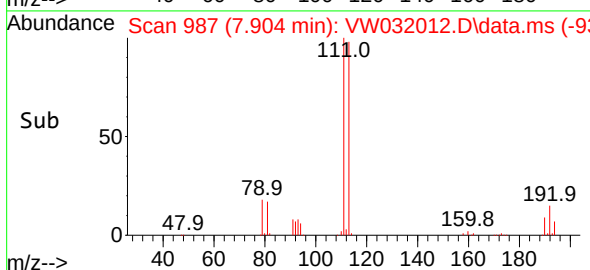
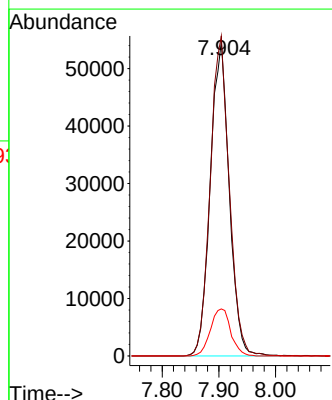
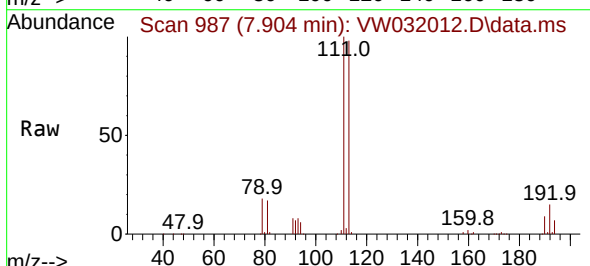
Tgt Ion:113 Resp: 126597

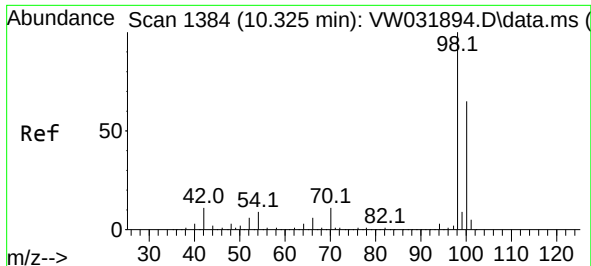
Ion Ratio Lower Upper

113 100

111 102.5 79.9 119.9

192 16.1 12.6 19.0

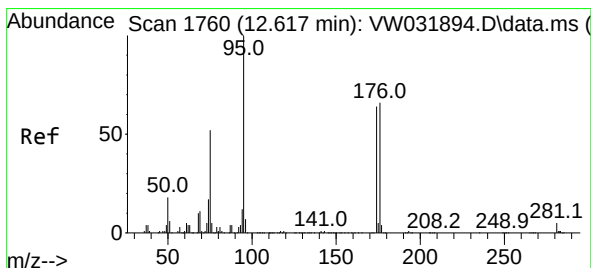
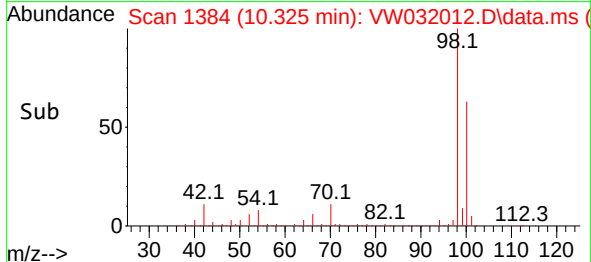
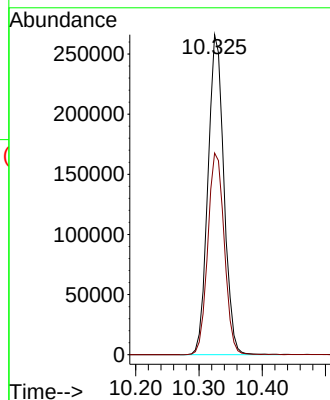
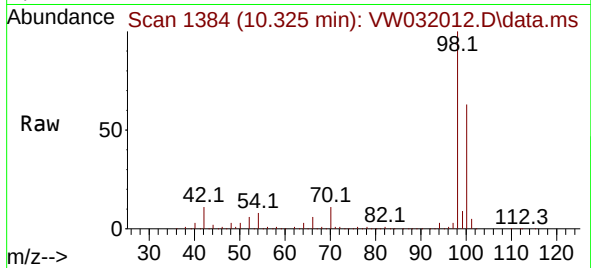




#50
Toluene-d8
Concen: 45.875 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

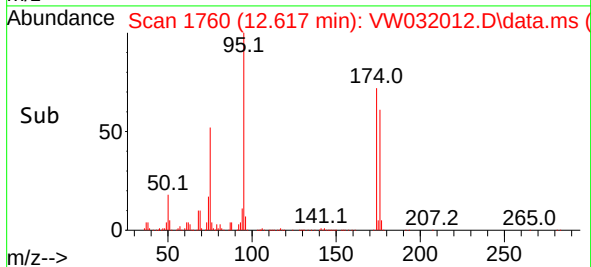
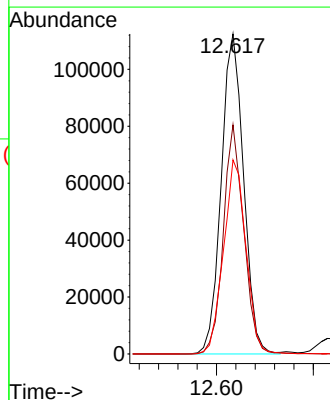
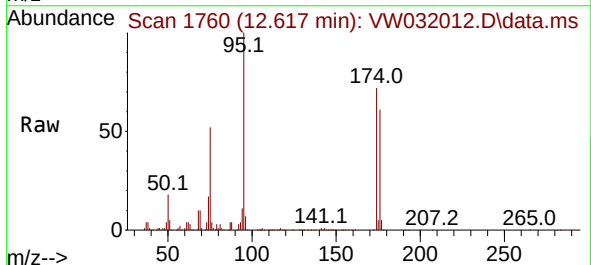
Instrument :
MSVOA_W
ClientSampleId :
R5

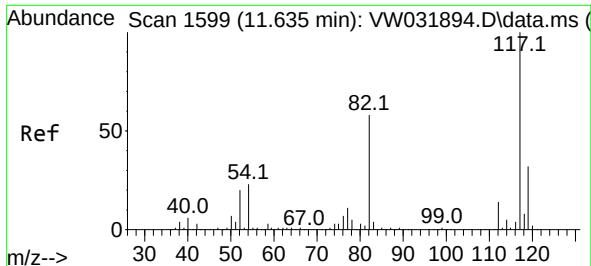
Tgt Ion: 98 Resp: 466314
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.164 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion: 95 Resp: 180185
Ion Ratio Lower Upper
95 100
174 65.3 0.0 129.8
176 61.0 0.0 130.4

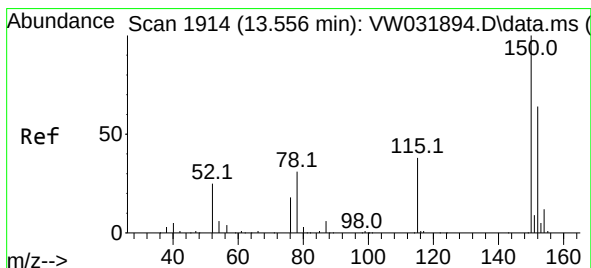
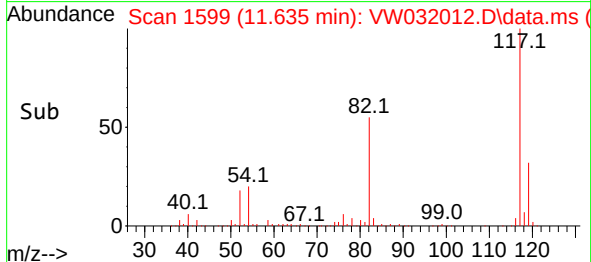
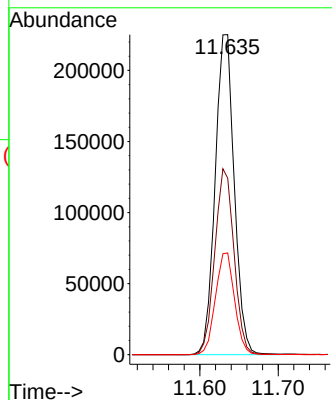
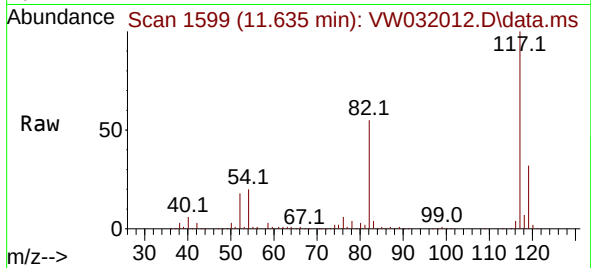




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Instrument :
MSVOA_W
ClientSampleId :
R5

Tgt Ion:117 Resp: 382509
Ion Ratio Lower Upper
117 100
82 55.1 46.5 69.7
119 31.8 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: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion:152 Resp: 183054
Ion Ratio Lower Upper
152 100
115 64.6 33.4 100.1
150 153.5 0.0 352.2

