

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032013.D
 Acq On : 05 Aug 2025 15:21
 Operator : SY/MD
 Sample : Q2774-07
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3826

Quant Time: Aug 06 03:55:21 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	176046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	357407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154146	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147745	55.478	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.960%
35) Dibromofluoromethane	7.898	113	131443	54.122	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.240%
50) Toluene-d8	10.325	98	459885	50.033	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.060%
62) 4-Bromofluorobenzene	12.617	95	170721	48.371	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.740%

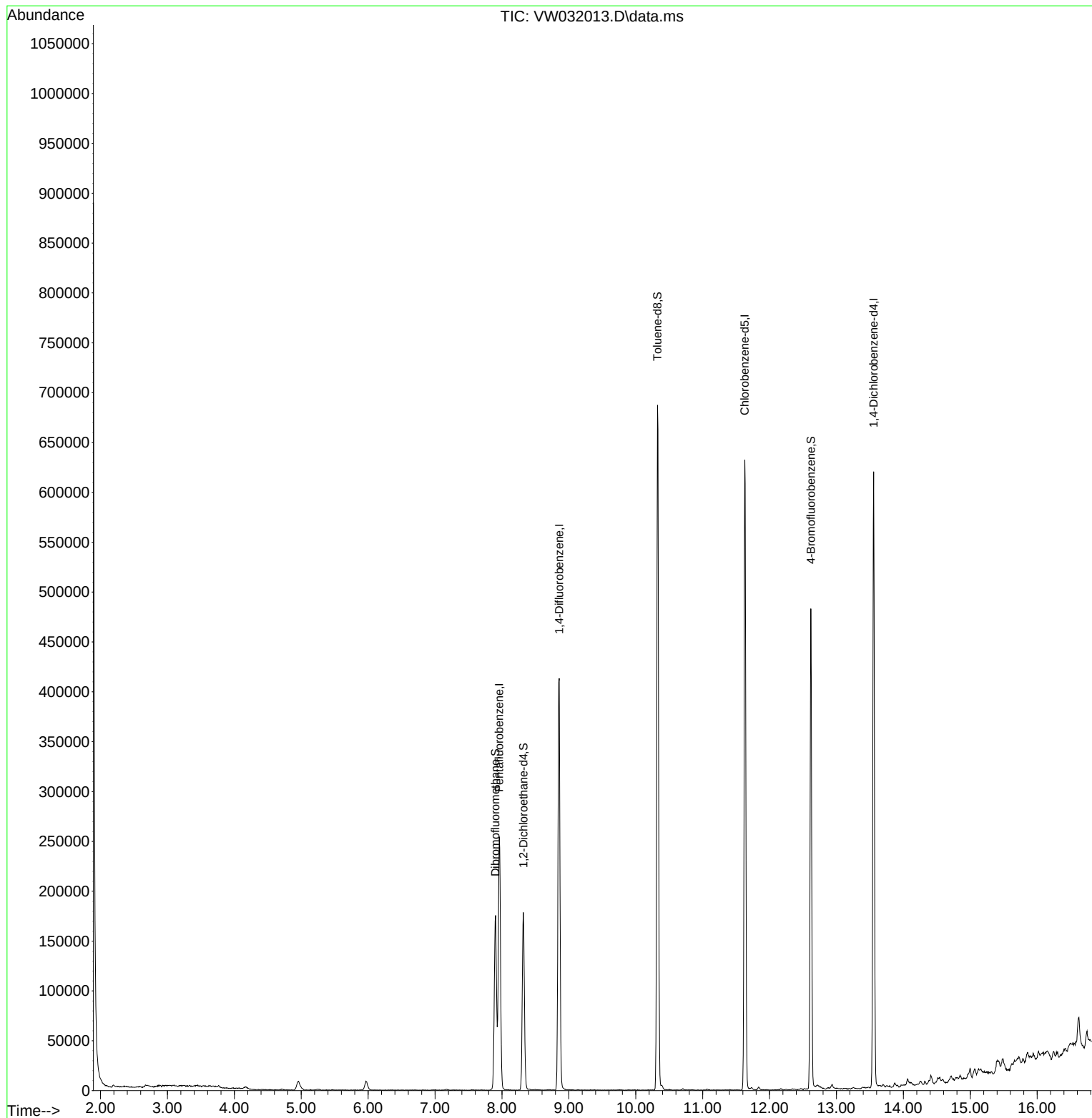
Target Compounds	Qvalue

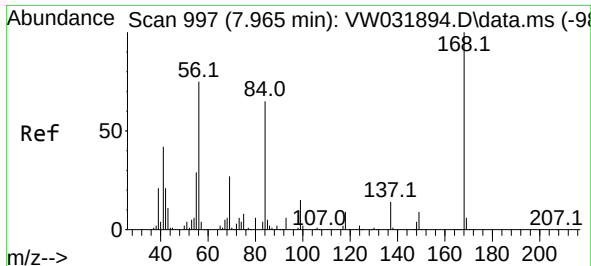
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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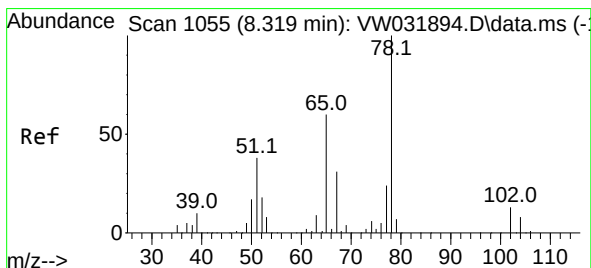
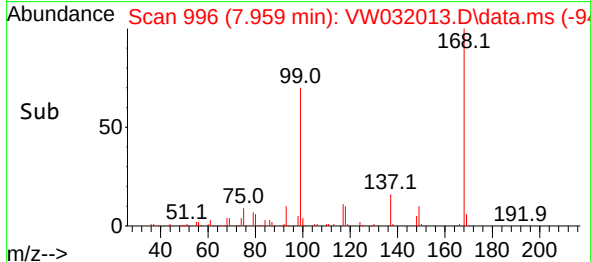
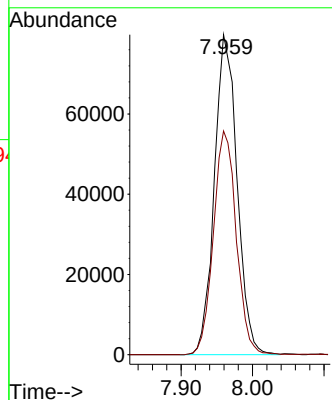
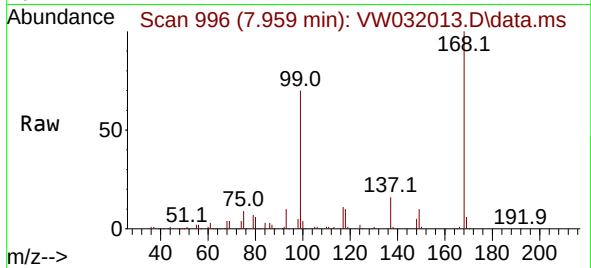




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

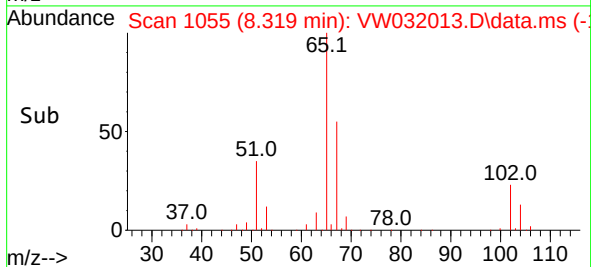
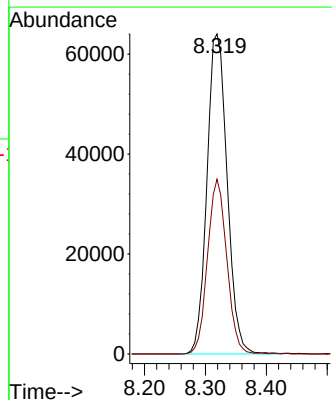
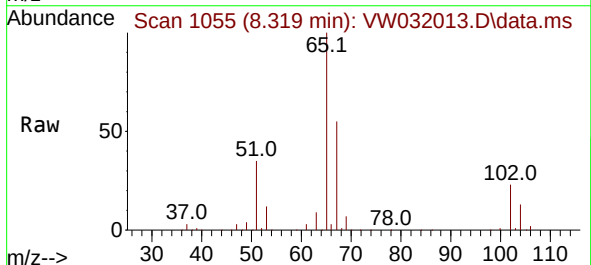
Instrument :
MSVOA_W
ClientSampleId :
RT3826

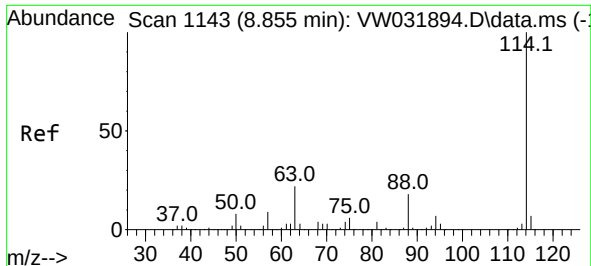
Tgt Ion:168 Resp: 176046
Ion Ratio Lower Upper
168 100
99 69.9 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 55.478 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 65 Resp: 147745
Ion Ratio Lower Upper
65 100
67 52.0 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: VW032013.D

Acq: 05 Aug 2025 15:21

Instrument :

MSVOA_W

ClientSampleId :

RT3826

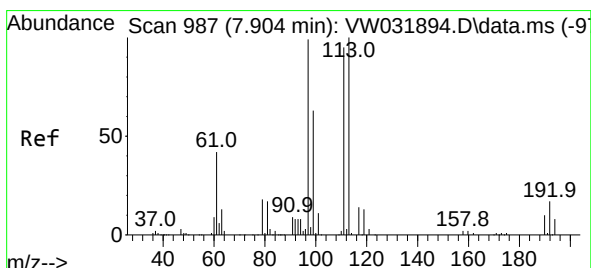
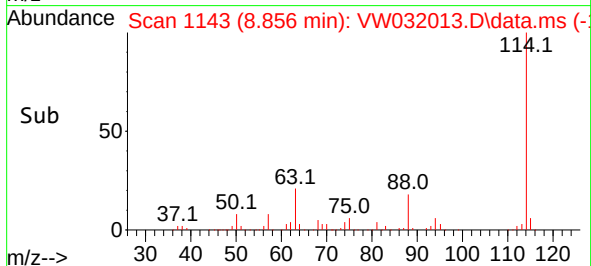
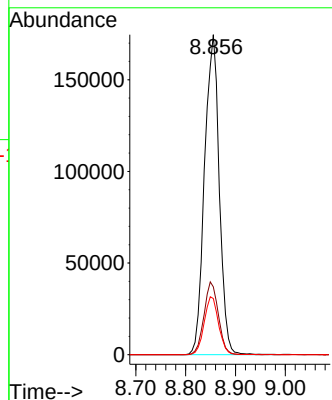
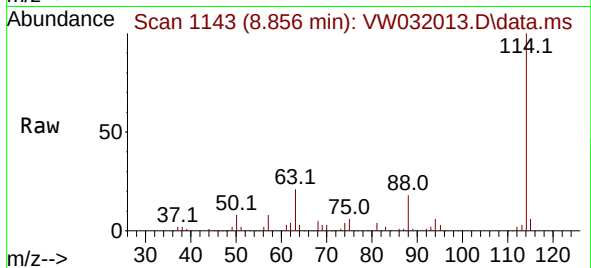
Tgt Ion:114 Resp: 357407

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 17.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 54.122 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032013.D

Acq: 05 Aug 2025 15:21

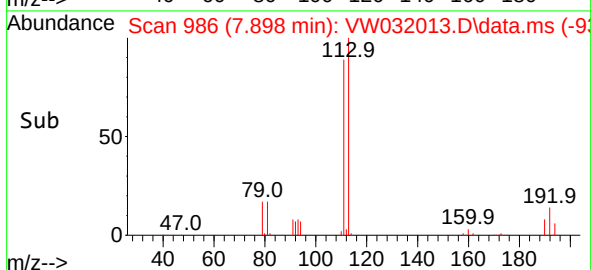
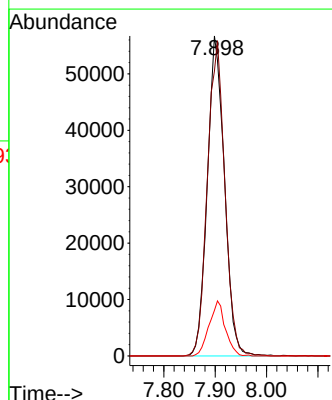
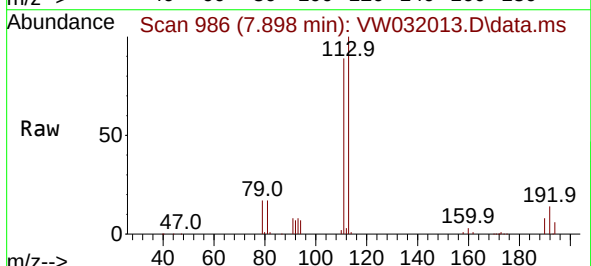
Tgt Ion:113 Resp: 131443

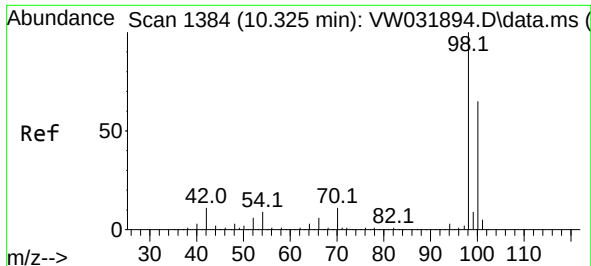
Ion Ratio Lower Upper

113 100

111 100.3 79.9 119.9

192 16.3 12.6 19.0

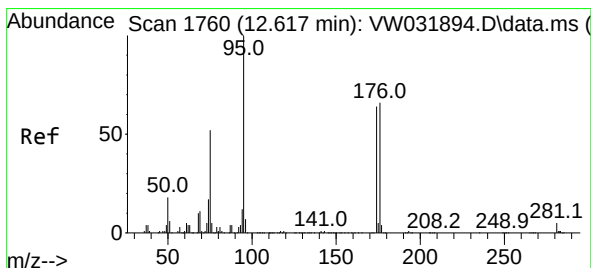
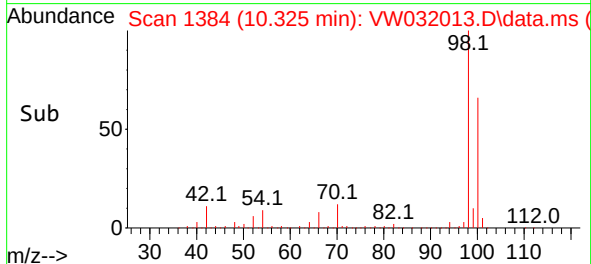
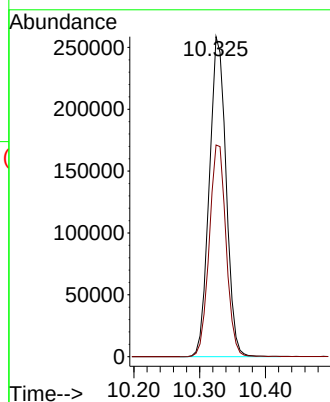
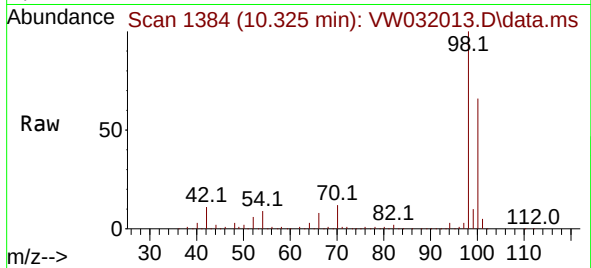




#50
Toluene-d8
Concen: 50.033 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

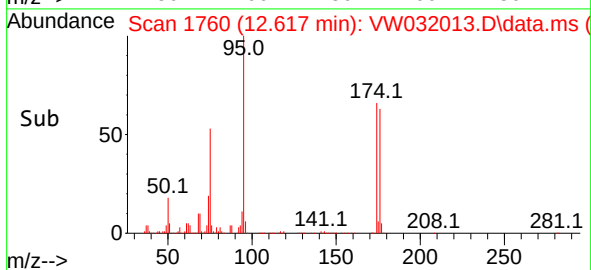
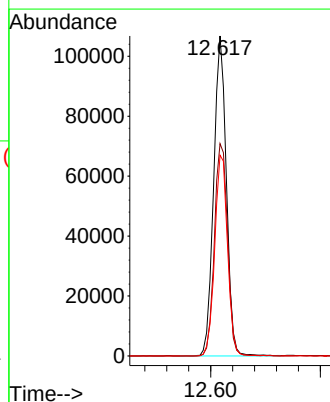
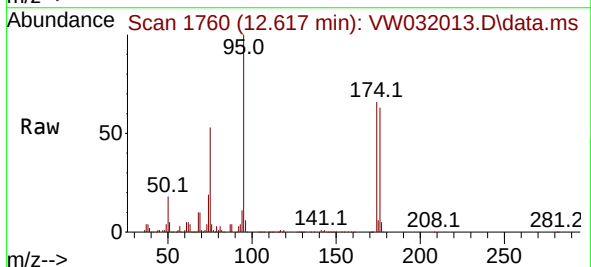
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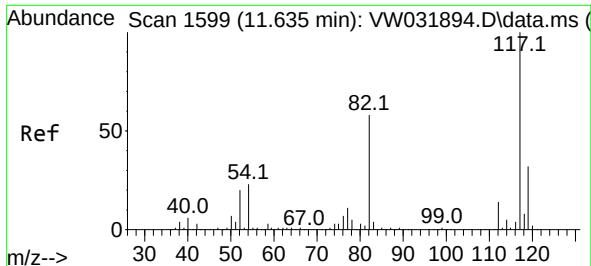
Tgt Ion: 98 Resp: 459885
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.371 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 95 Resp: 170721
Ion Ratio Lower Upper
95 100
174 68.9 0.0 129.8
176 63.4 0.0 130.4

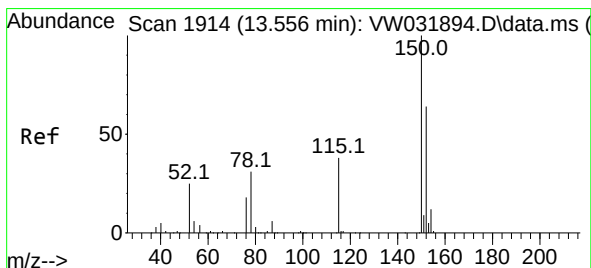
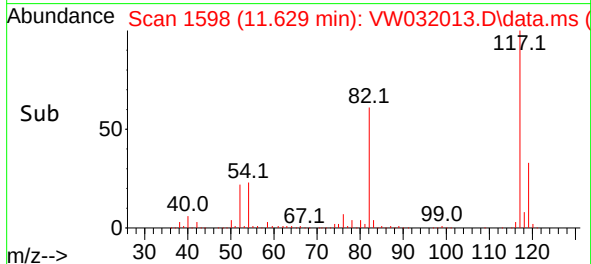
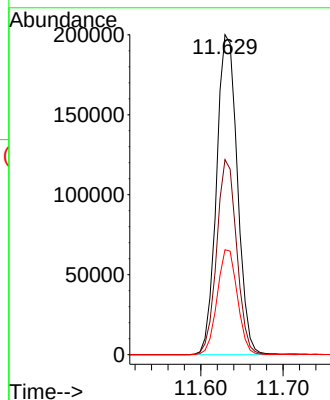
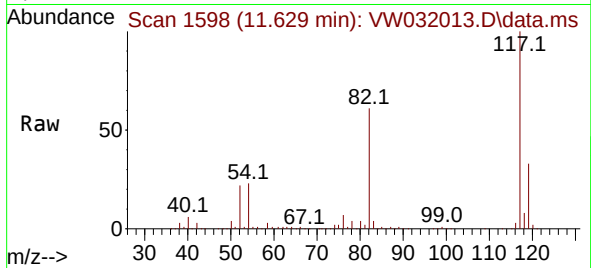




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Instrument :
MSVOA_W
ClientSampleId :
RT3826

Tgt Ion:117 Resp: 352227
Ion Ratio Lower Upper
117 100
82 60.9 46.5 69.7
119 32.8 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: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion:152 Resp: 154146
Ion Ratio Lower Upper
152 100
115 66.2 33.4 100.1
150 157.6 0.0 352.2

