

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032095.D
 Acq On : 14 Aug 2025 15:47
 Operator : SY/MD
 Sample : Q2820-12
 Misc : 6.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 10PC-S

Quant Time: Aug 18 03:54:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	146756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	291552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	294933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140579	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121261	57.131	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.260%
35) Dibromofluoromethane	7.898	113	107032	56.825	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.640%
50) Toluene-d8	10.331	98	352920	50.659	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.617	95	129815	50.565	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.120%

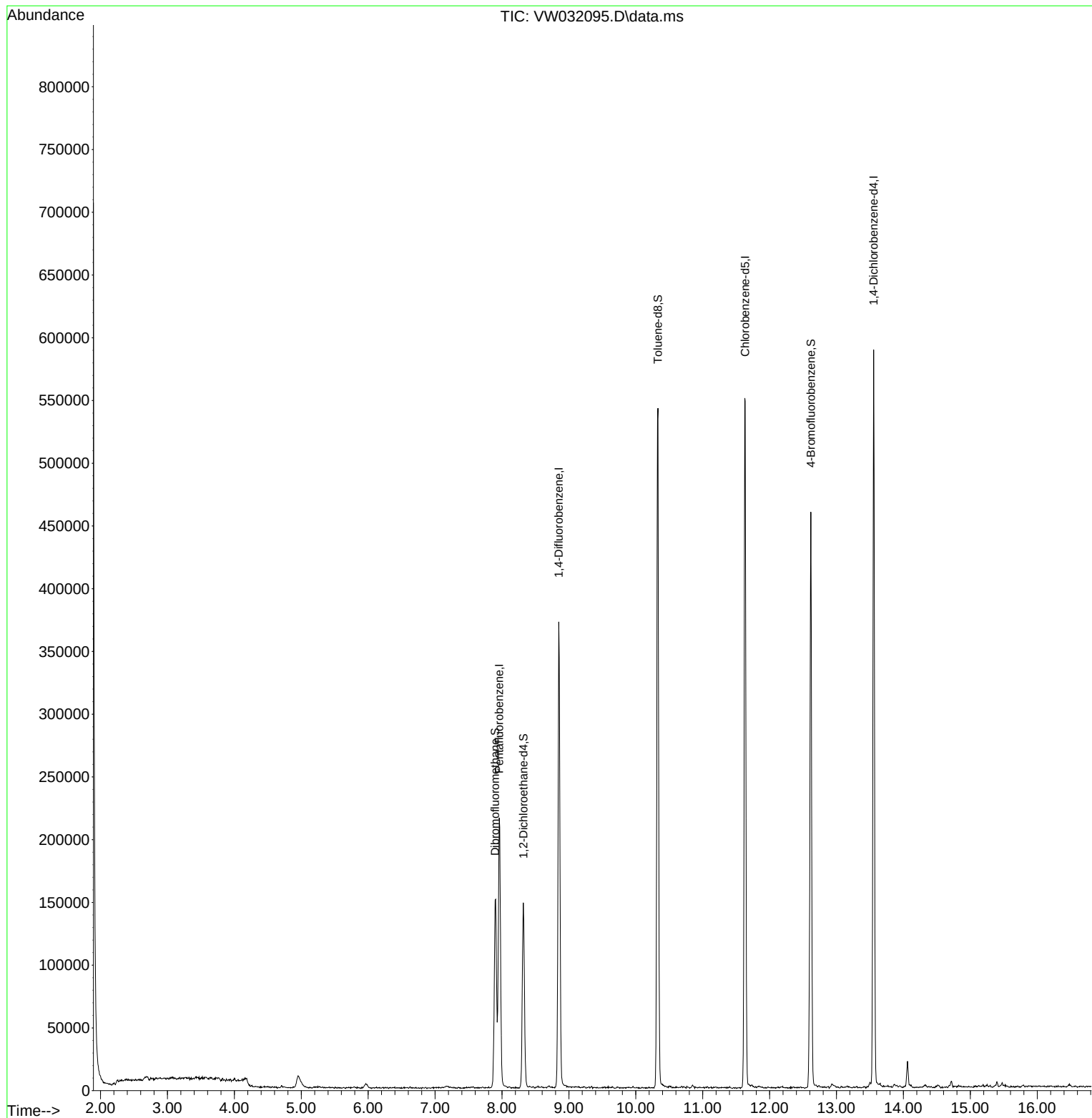
Target Compounds	Qvalue

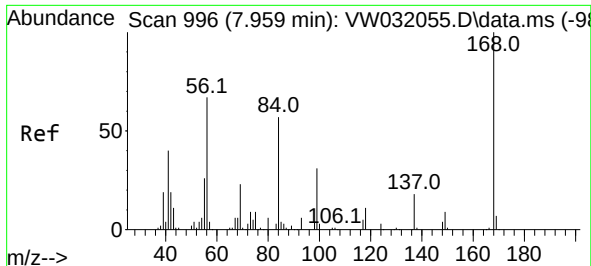
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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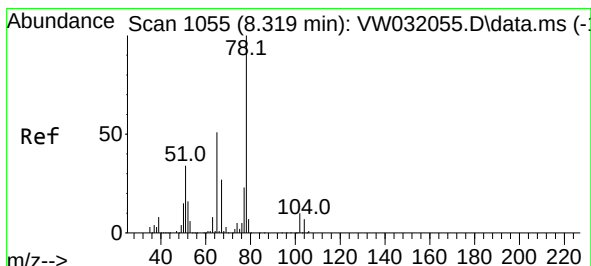
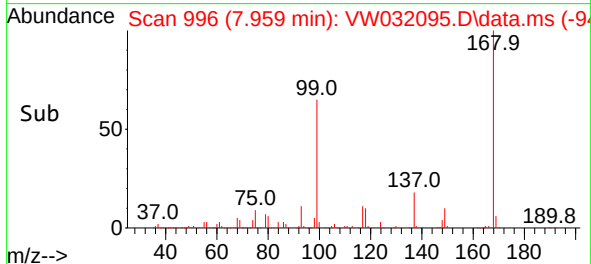
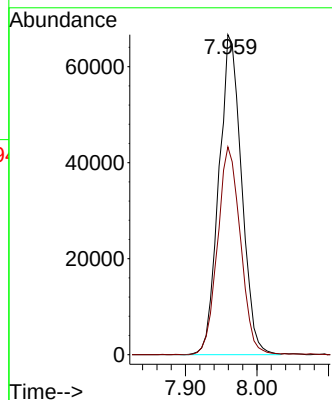
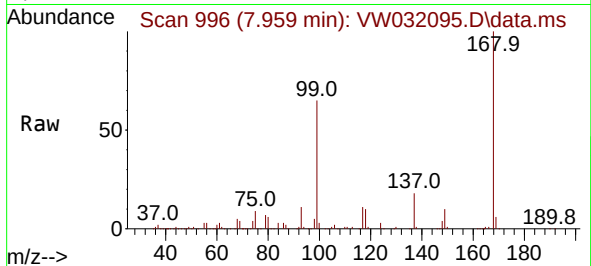




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

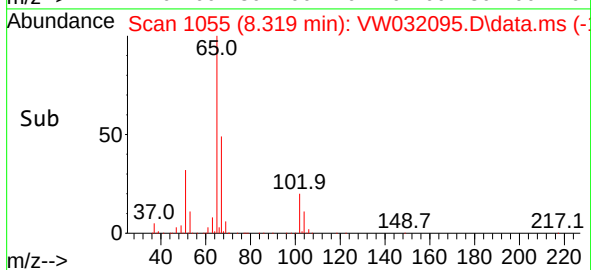
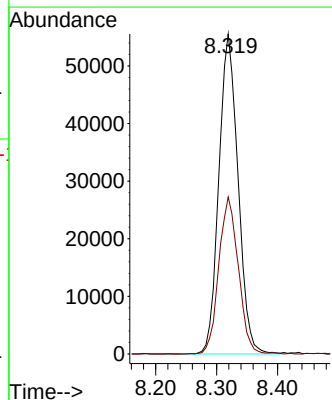
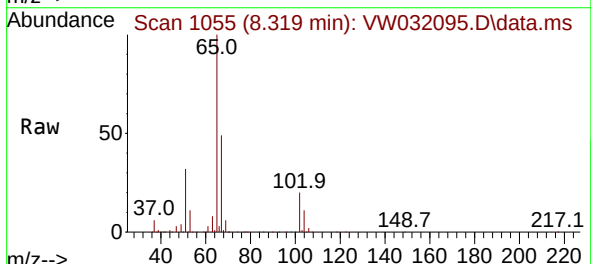
Instrument :
MSVOA_W
ClientSampleId :
10PC-S

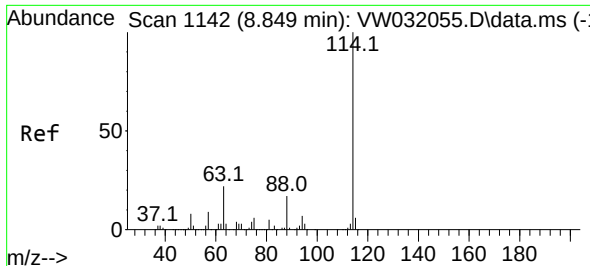
Tgt Ion:168 Resp: 146756
Ion Ratio Lower Upper
168 100
99 64.9 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 57.131 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion: 65 Resp: 121261
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4

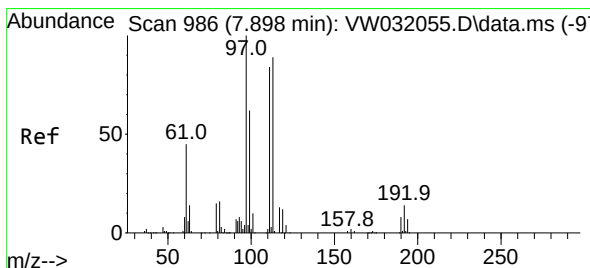
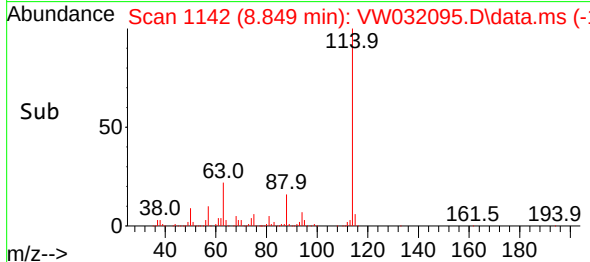
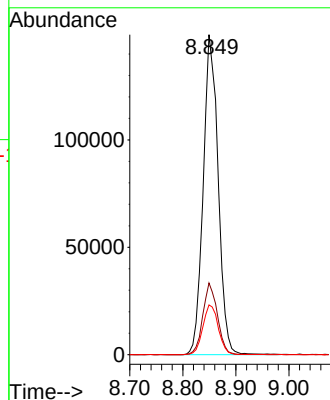
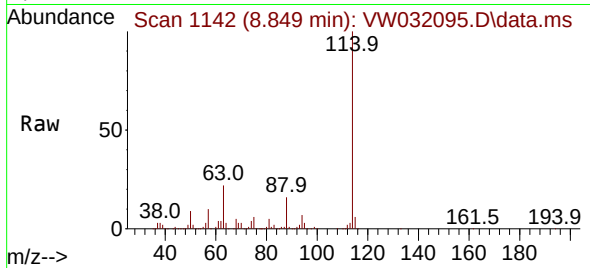




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

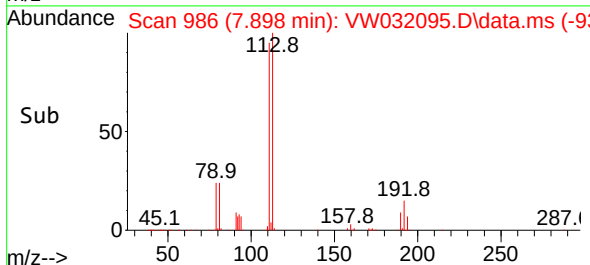
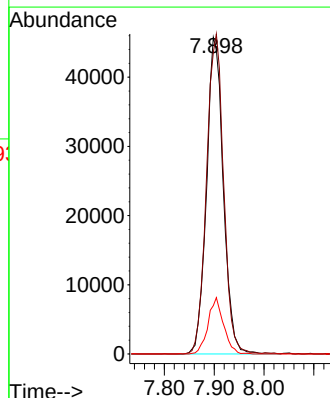
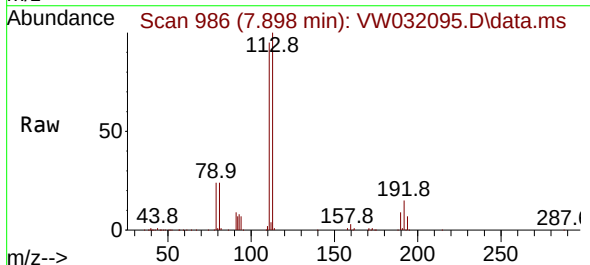
Instrument :
MSVOA_W
ClientSampleId :
10PC-S

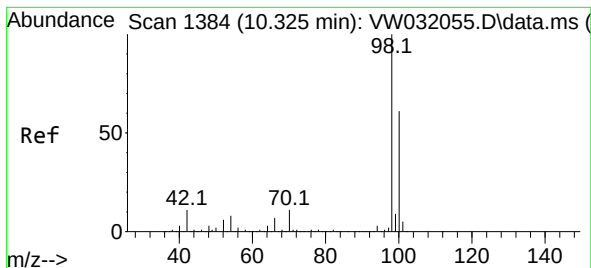
Tgt Ion:114 Resp: 291552
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.0
88 15.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 56.825 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion:113 Resp: 107032
Ion Ratio Lower Upper
113 100
111 102.7 80.1 120.1
192 16.5 13.1 19.7





#50

Toluene-d8

Concen: 50.659 ug/l

RT: 10.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032095.D

Acq: 14 Aug 2025 15:47

Instrument :

MSVOA_W

ClientSampleId :

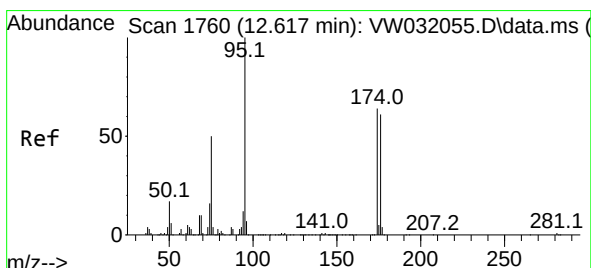
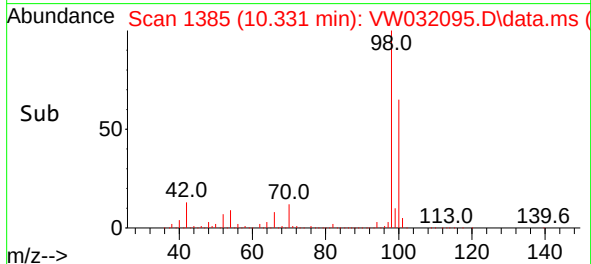
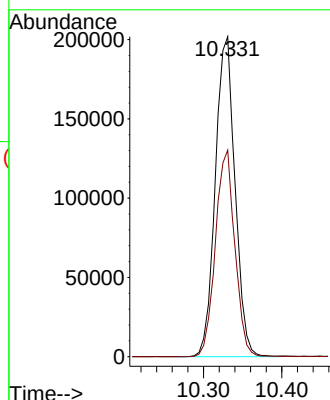
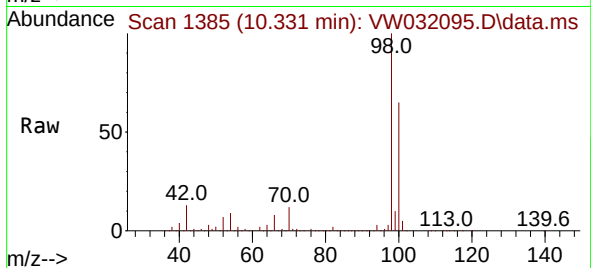
10PC-S

Tgt Ion: 98 Resp: 352920

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 50.565 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.000 min

Lab File: VW032095.D

Acq: 14 Aug 2025 15:47

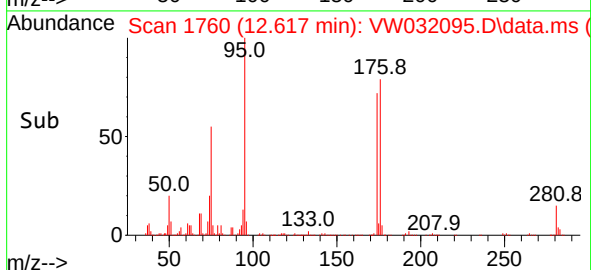
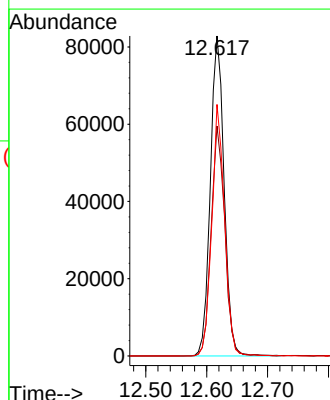
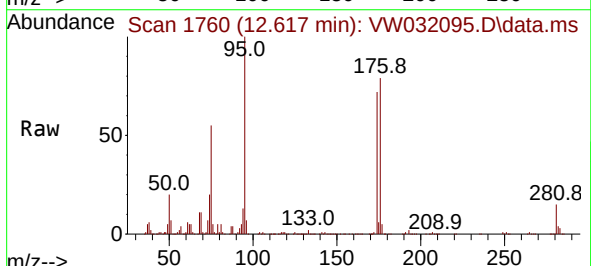
Tgt Ion: 95 Resp: 129815

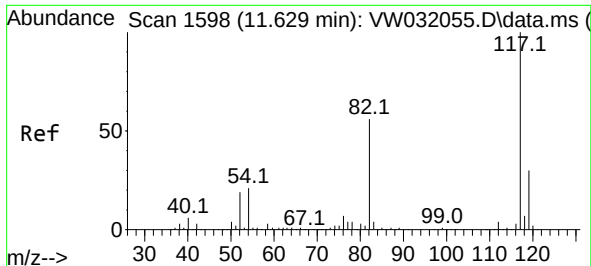
Ion Ratio Lower Upper

95 100

174 71.4 0.0 129.0

176 73.3 0.0 124.6

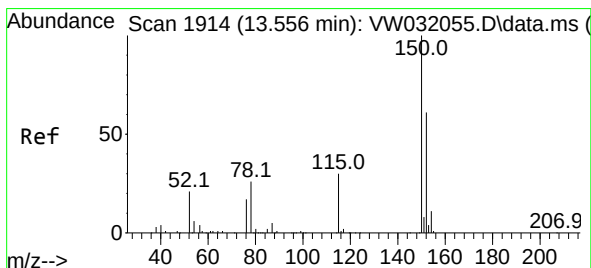
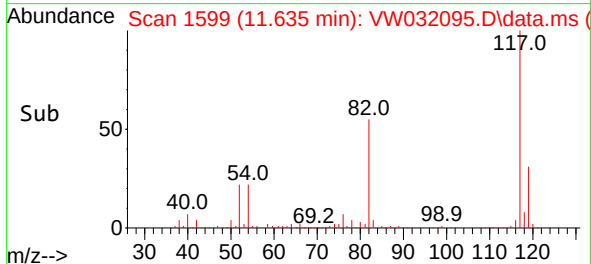
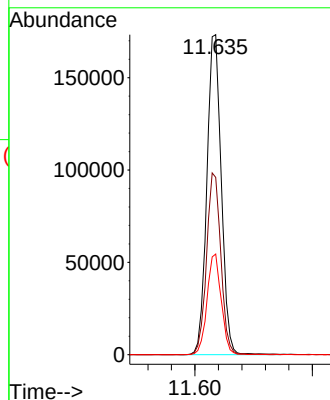
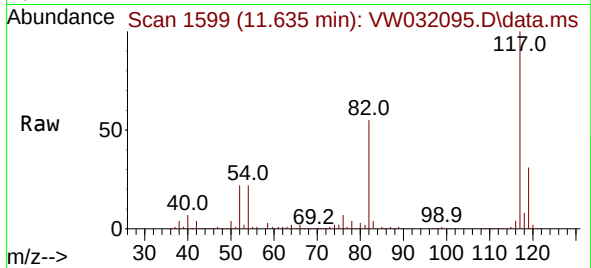




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :
10PC-S

Tgt Ion:117 Resp: 294933
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 31.4 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032095.D
Acq: 14 Aug 2025 15:47

Tgt Ion:152 Resp: 140579
Ion Ratio Lower Upper
152 100
115 61.5 32.6 97.8
150 159.5 0.0 359.4

