

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032060.D
 Acq On : 11 Aug 2025 12:18
 Operator : SY/MD
 Sample : VW0811SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0811SBL01

Quant Time: Aug 12 04:22:47 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	176404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	391811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	359327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169733	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134172	52.590	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.180%
35) Dibromofluoromethane	7.898	113	121027	47.813	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.620%
50) Toluene-d8	10.325	98	459644	49.095	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.617	95	163583	47.413	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.820%

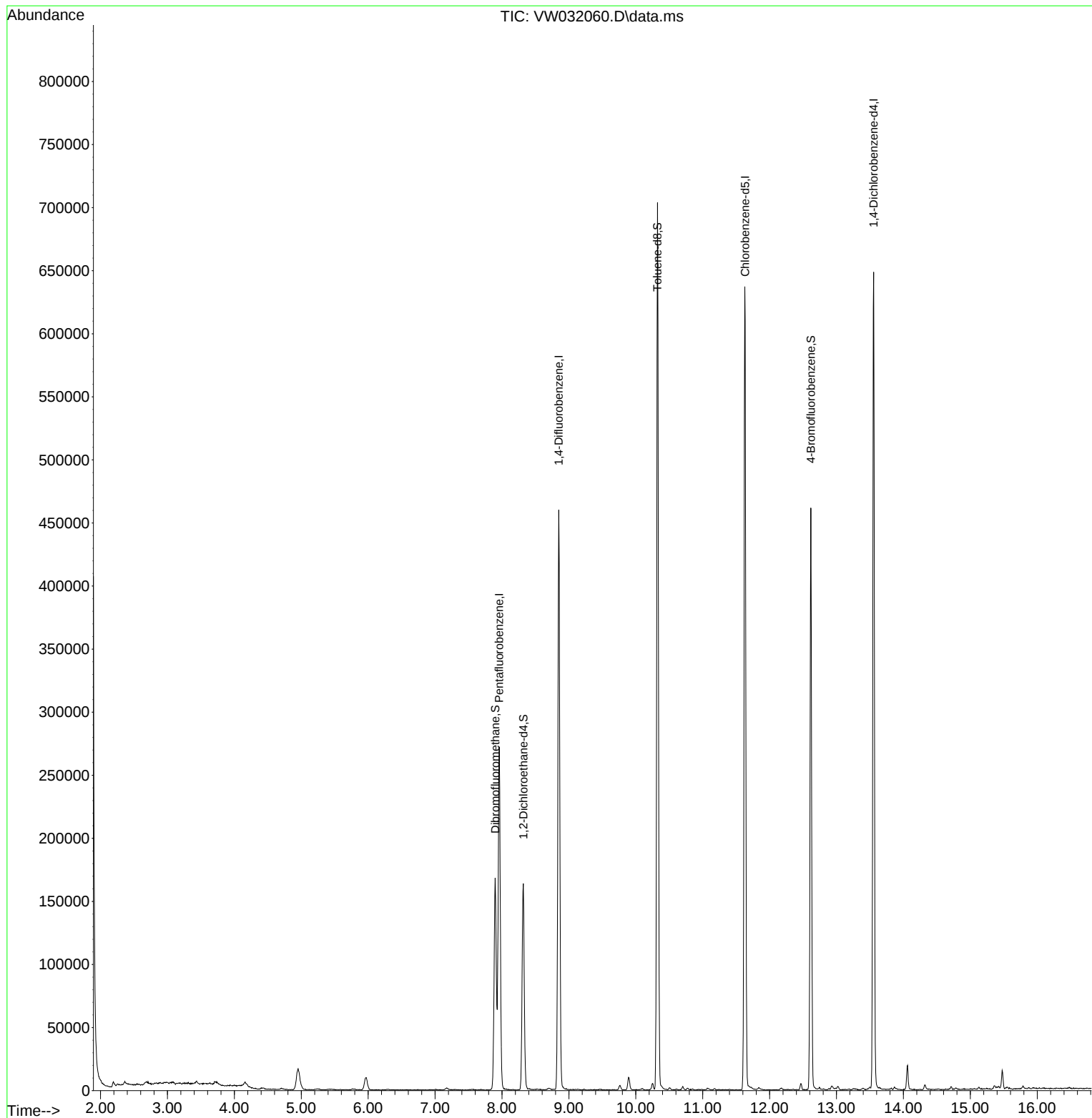
Target Compounds	Qvalue

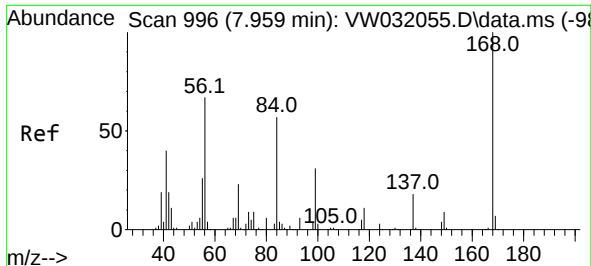
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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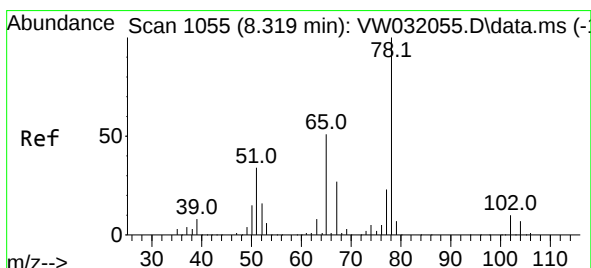
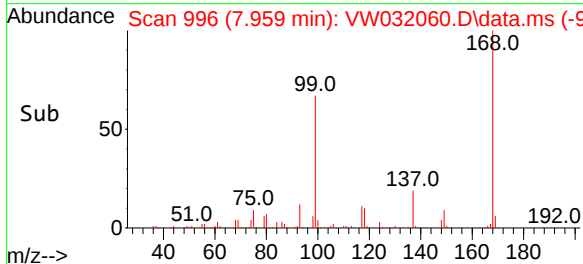
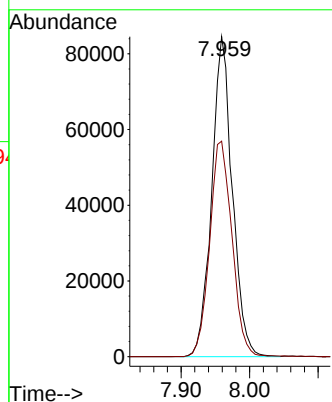
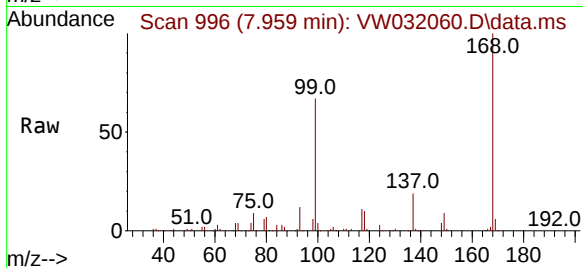




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

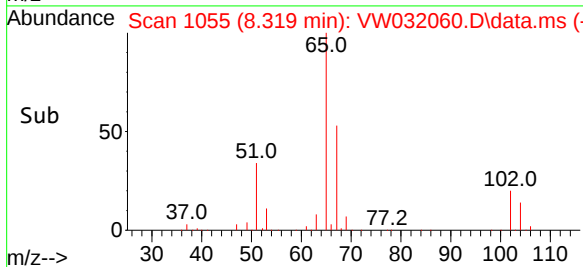
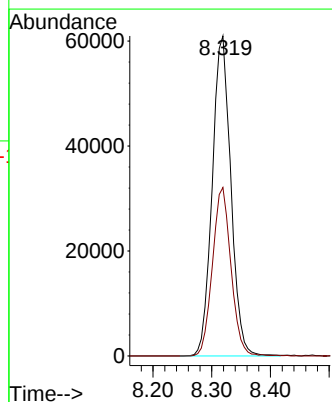
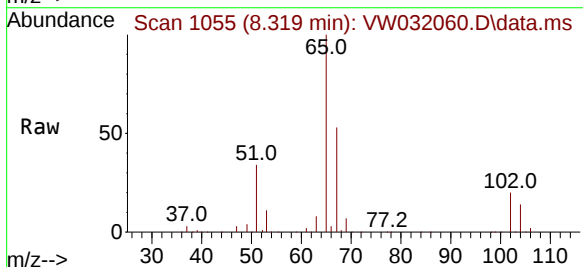
Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

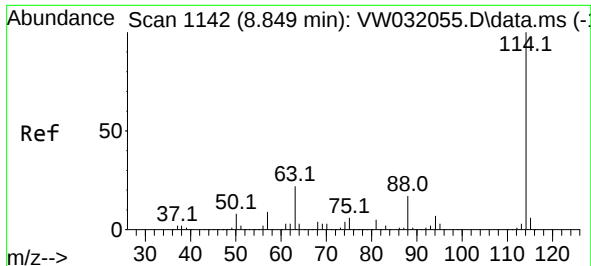
Tgt Ion:168 Resp: 176404
Ion Ratio Lower Upper
168 100
99 67.3 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 52.590 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 65 Resp: 134172
Ion Ratio Lower Upper
65 100
67 52.4 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: VW032060.D

Acq: 11 Aug 2025 12:18

Instrument :

MSVOA_W

ClientSampleId :

VW0811SBL01

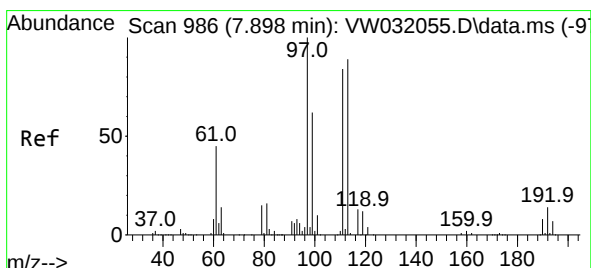
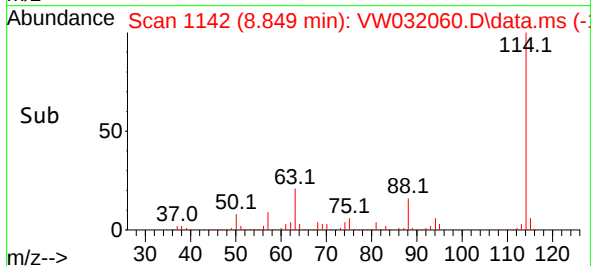
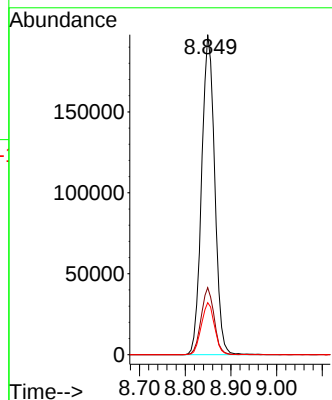
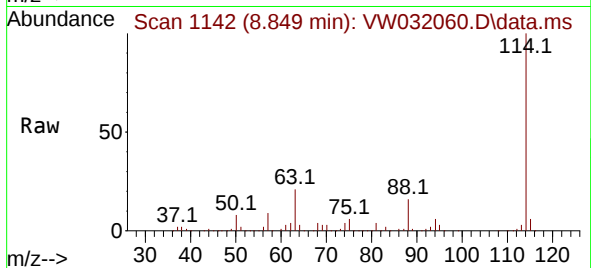
Tgt Ion:114 Resp: 391811

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 16.3 0.0 33.8



#35

Dibromofluoromethane

Concen: 47.813 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032060.D

Acq: 11 Aug 2025 12:18

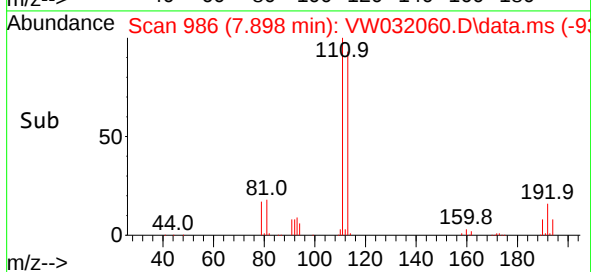
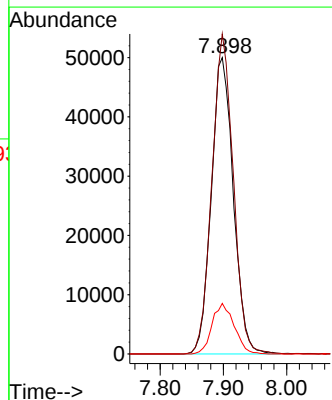
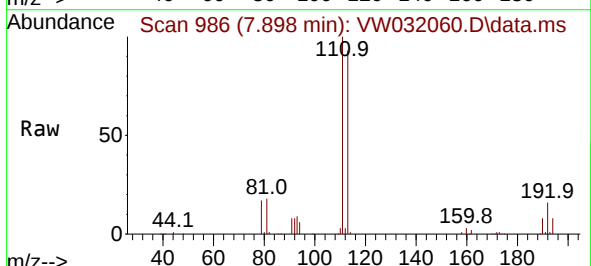
Tgt Ion:113 Resp: 121027

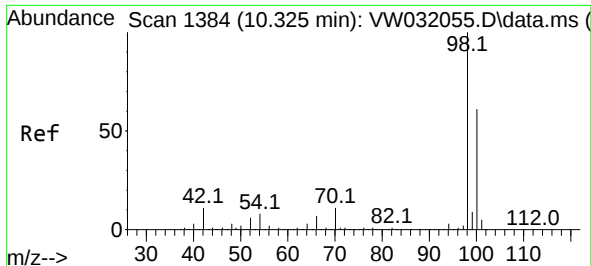
Ion Ratio Lower Upper

113 100

111 104.5 80.1 120.1

192 17.1 13.1 19.7

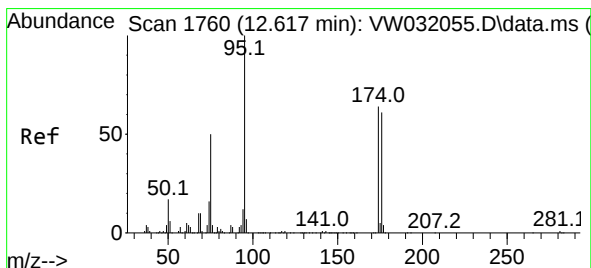
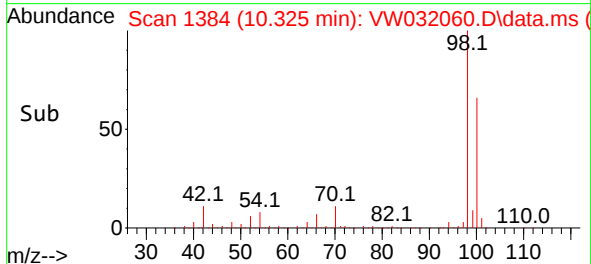
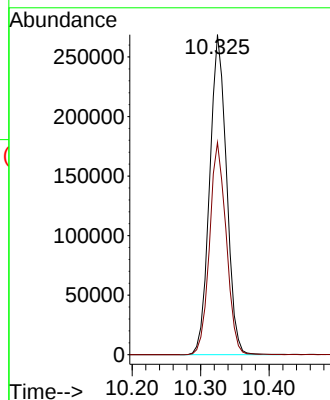
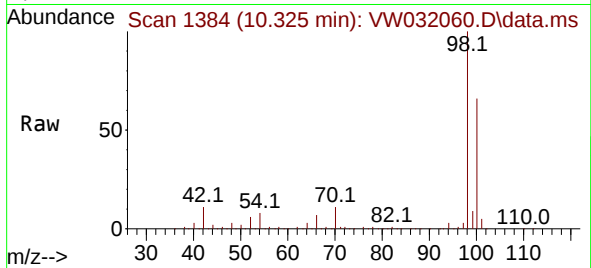




#50
Toluene-d8
Concen: 49.095 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

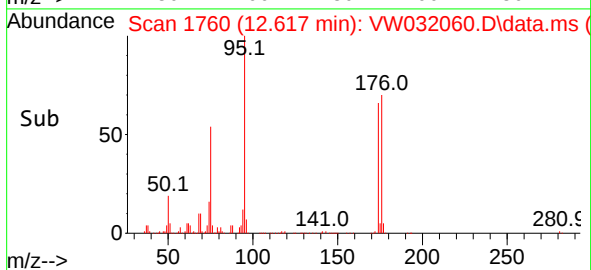
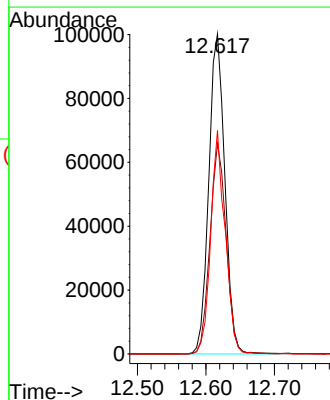
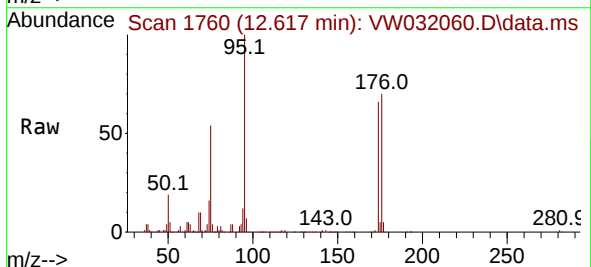
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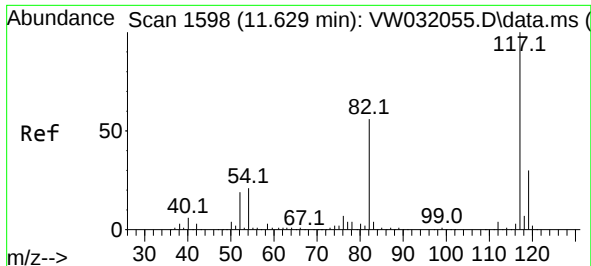
Tgt Ion: 98 Resp: 459644
Ion Ratio Lower Upper
98 100
100 65.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.413 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion: 95 Resp: 163583
Ion Ratio Lower Upper
95 100
174 66.1 0.0 129.0
176 62.9 0.0 124.6

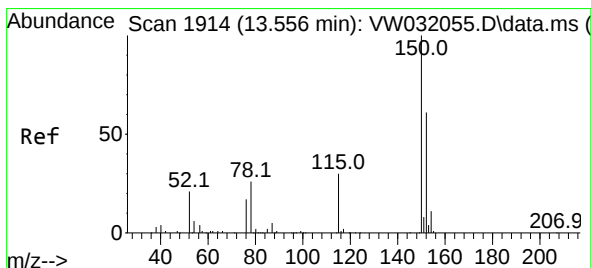
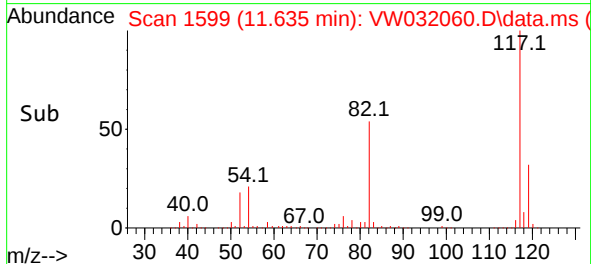
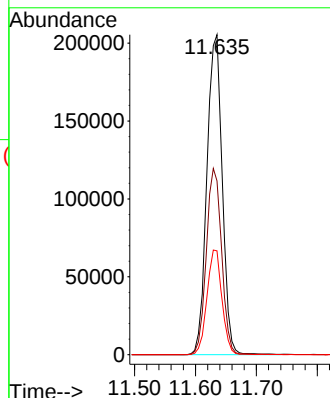
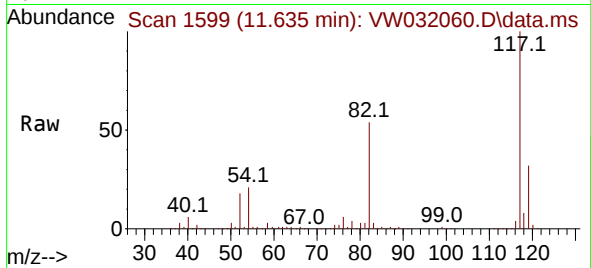




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032060.D
Acq: 11 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
VW0811SBL01

Tgt Ion:117 Resp: 359327
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.5 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: VW032060.D
Acq: 11 Aug 2025 12:18

Tgt Ion:152 Resp: 169733
Ion Ratio Lower Upper
152 100
115 64.8 32.6 97.8
150 154.1 0.0 359.4

