

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW032001.D
 Acq On : 04 Aug 2025 15:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 05 01:20:20 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	188689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	378863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175440	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137522	48.179	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.360%
35) Dibromofluoromethane	7.898	113	126692	49.212	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.420%
50) Toluene-d8	10.325	98	481445	49.412	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.617	95	174562	46.658	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.320%

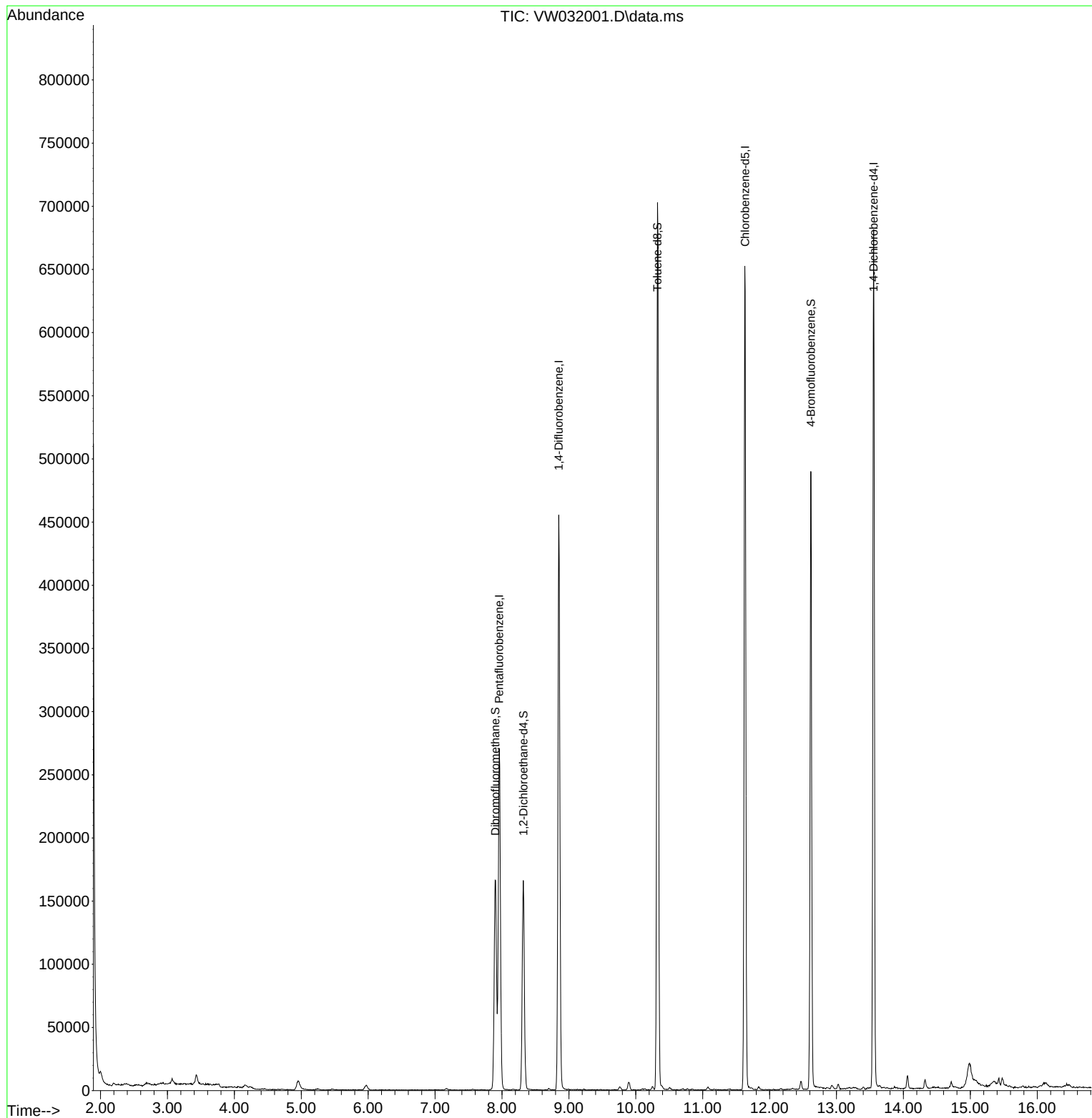
Target Compounds	Qvalue

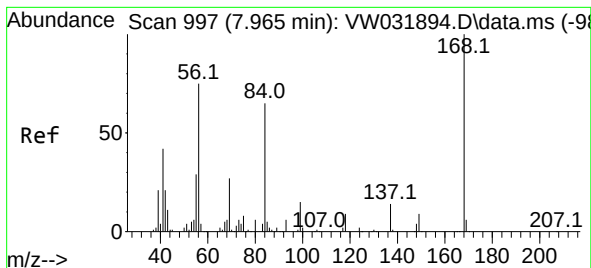
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW032001.D

Acq: 04 Aug 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

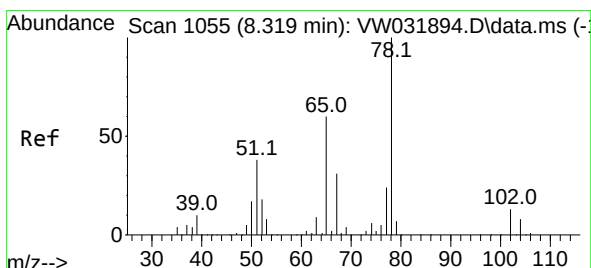
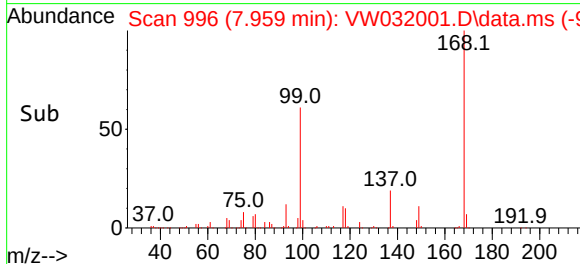
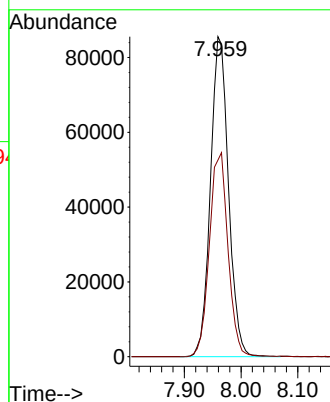
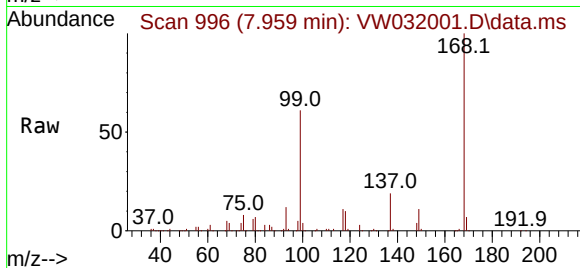
VIBLK

Tgt Ion:168 Resp: 188689

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 48.179 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032001.D

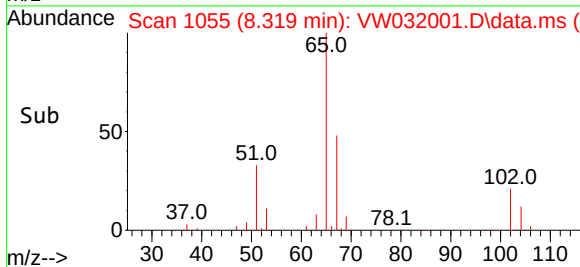
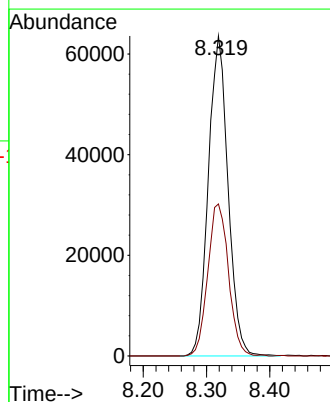
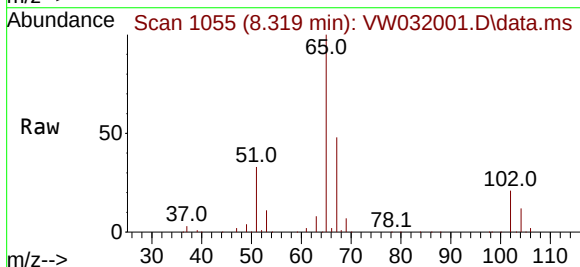
Acq: 04 Aug 2025 15:03

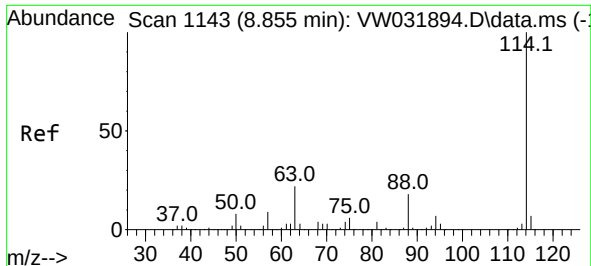
Tgt Ion: 65 Resp: 137522

Ion Ratio Lower Upper

65 100

67 50.1 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: VW032001.D

Acq: 04 Aug 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

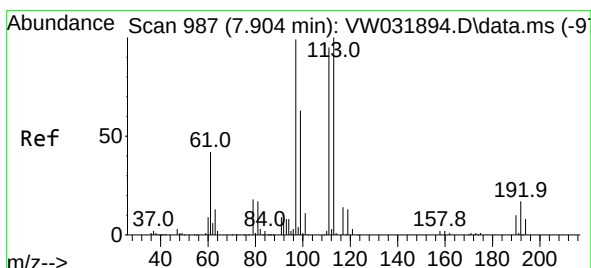
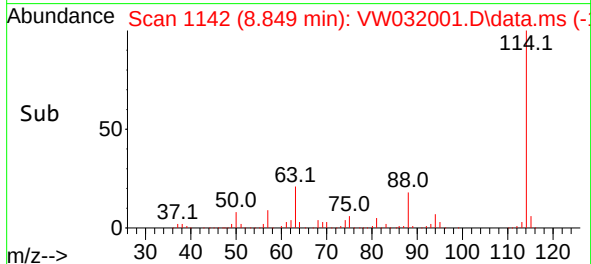
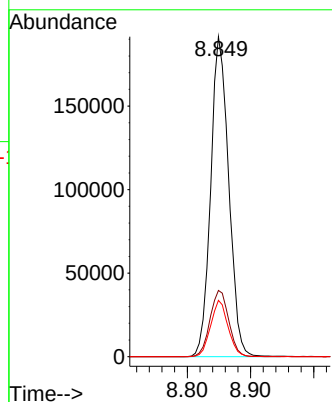
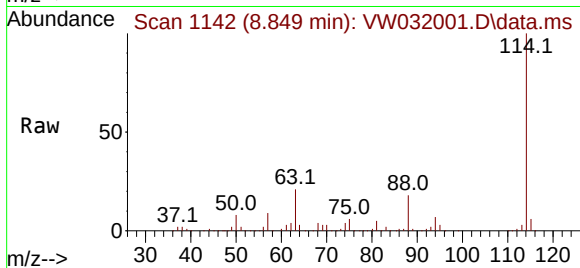
Tgt Ion:114 Resp: 378863

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

88 17.6 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.212 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032001.D

Acq: 04 Aug 2025 15:03

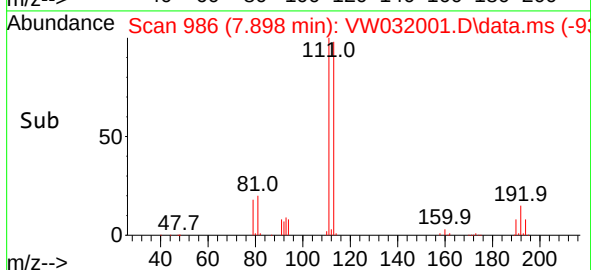
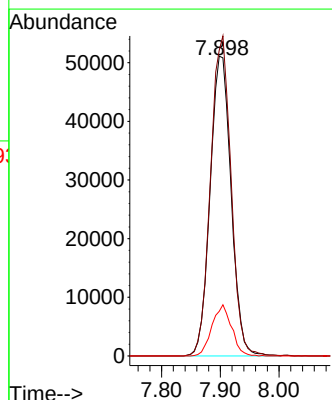
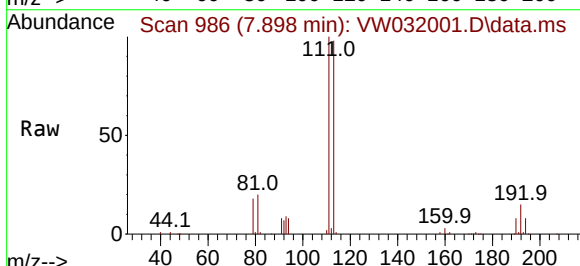
Tgt Ion:113 Resp: 126692

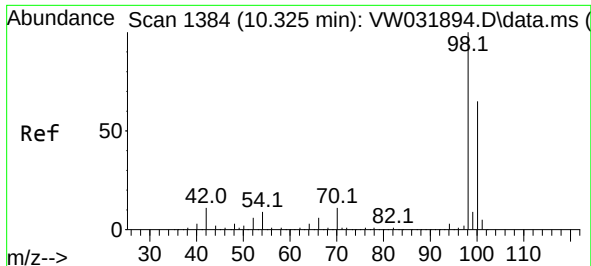
Ion Ratio Lower Upper

113 100

111 104.4 79.9 119.9

192 16.0 12.6 19.0

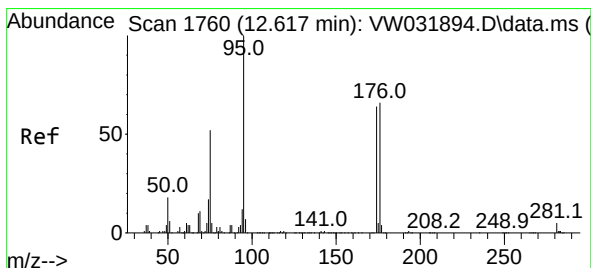
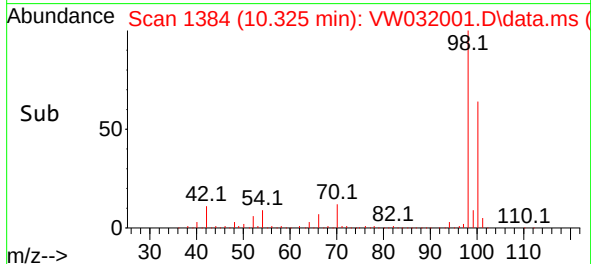
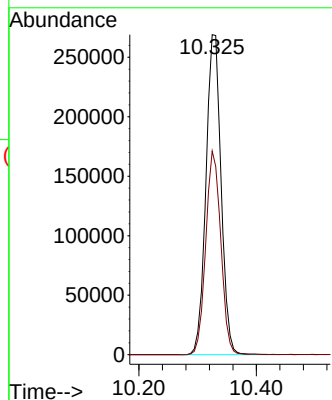
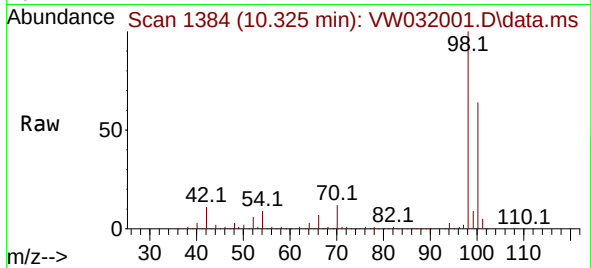




#50
Toluene-d8
Concen: 49.412 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

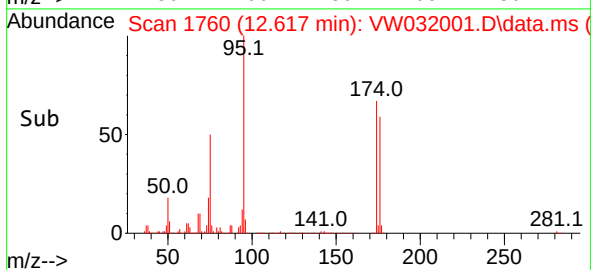
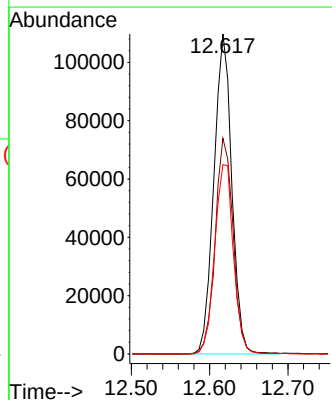
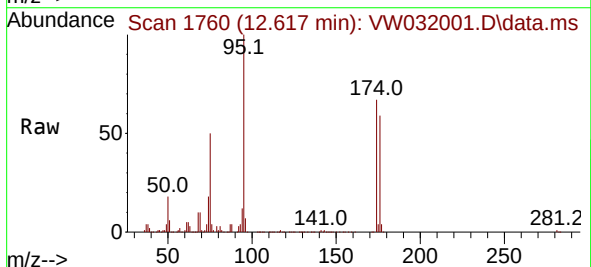
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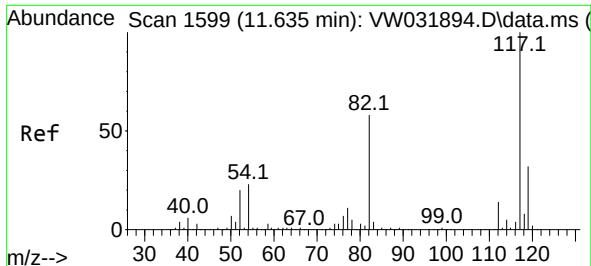
Tgt Ion: 98 Resp: 481445
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.658 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 95 Resp: 174562
Ion Ratio Lower Upper
95 100
174 67.4 0.0 129.8
176 62.2 0.0 130.4

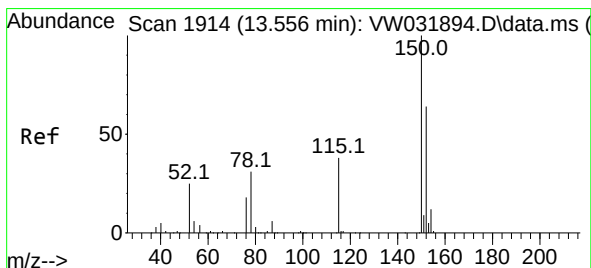
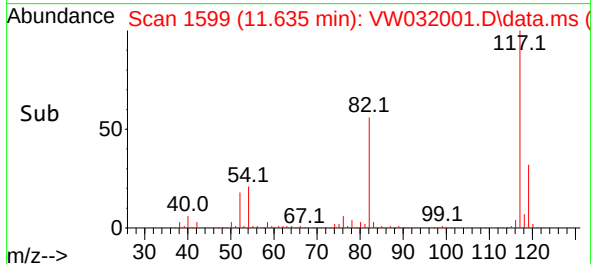
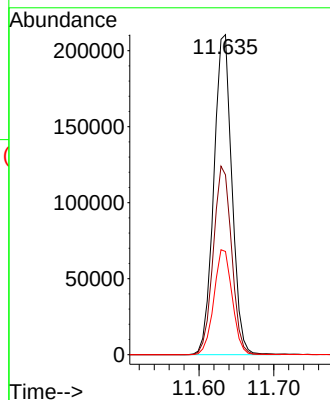
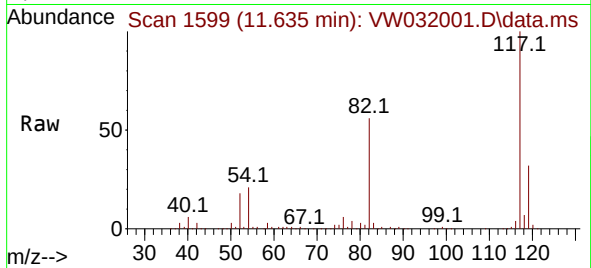




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 354188
Ion Ratio Lower Upper
117 100
82 56.2 46.5 69.7
119 32.3 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: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion:152 Resp: 175440
Ion Ratio Lower Upper
152 100
115 64.5 33.4 100.1
150 154.9 0.0 352.2

