

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032114.D
 Acq On : 22 Aug 2025 16:29
 Operator : SY/MD
 Sample : Q2933-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 25-SEPTIC

Quant Time: Aug 25 03:58:56 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	143194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	299240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	289923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141778	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114308	55.195	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.380%
35) Dibromofluoromethane	7.904	113	104717	54.167	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.340%
50) Toluene-d8	10.325	98	353265	49.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.617	95	123014	46.685	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.360%

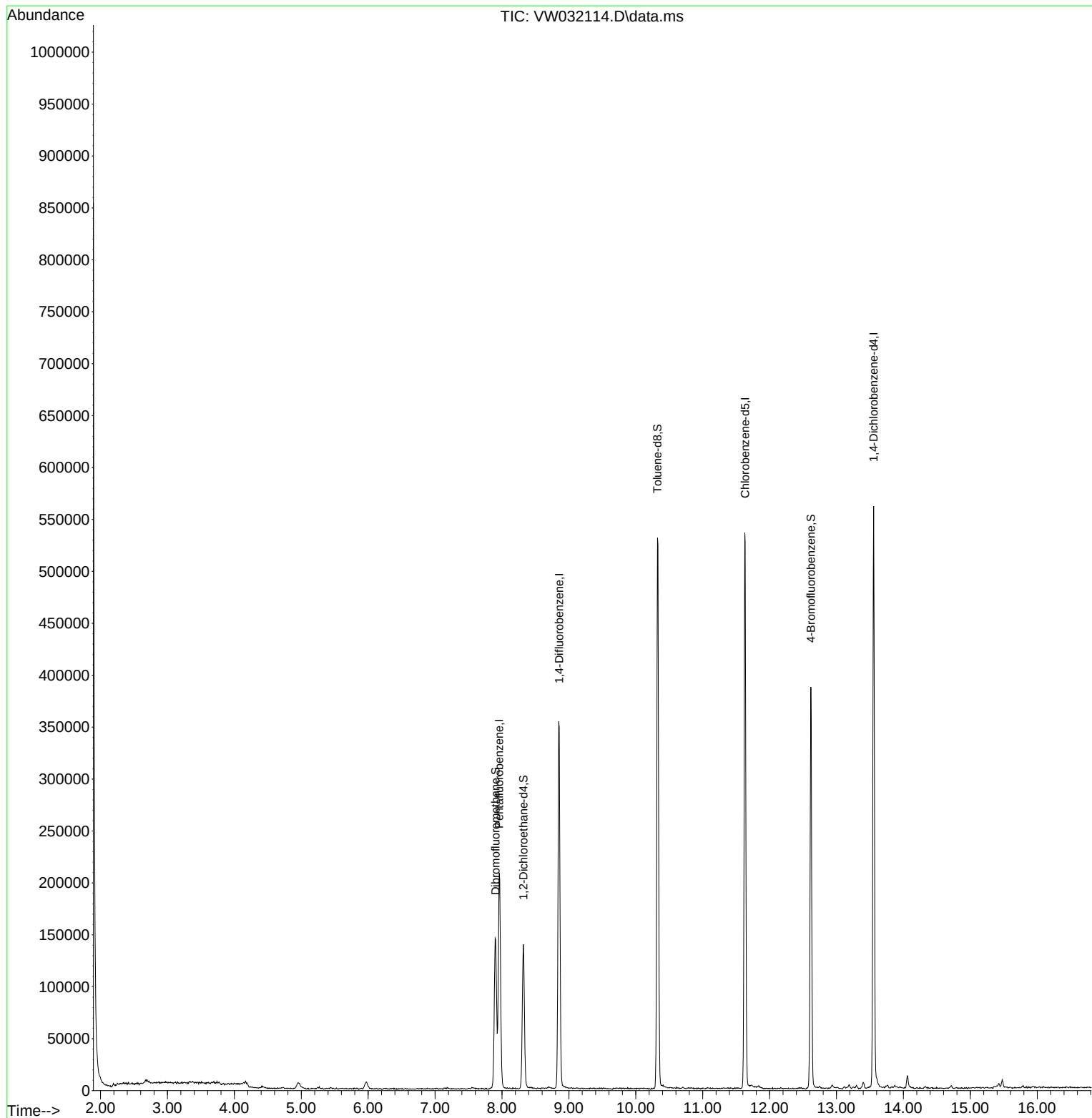
Target Compounds	Qvalue

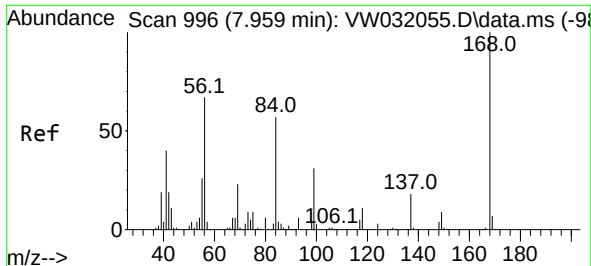
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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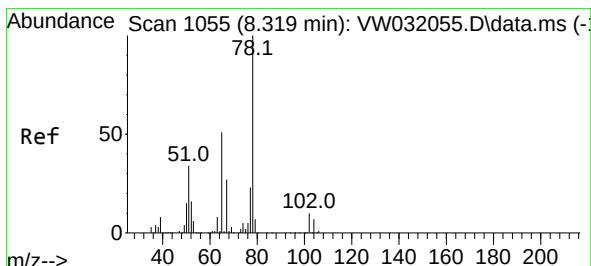
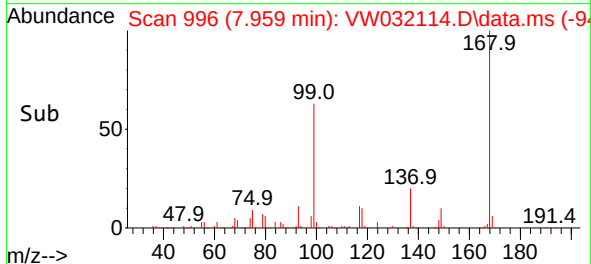
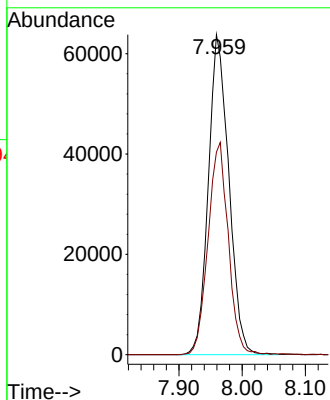
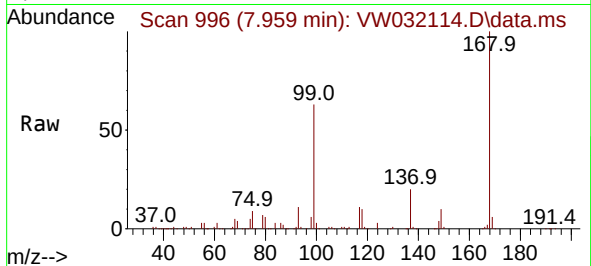




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

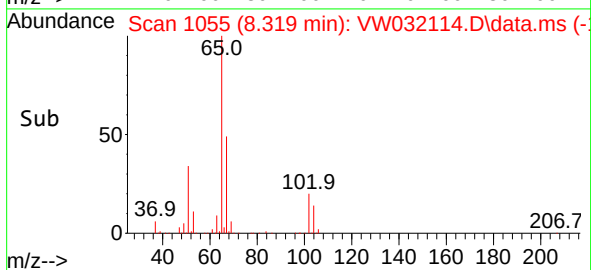
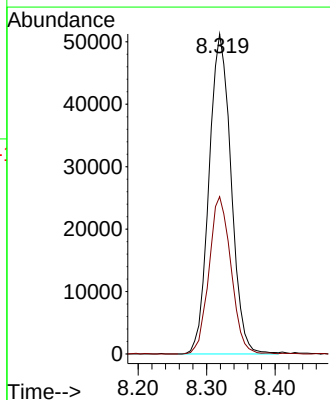
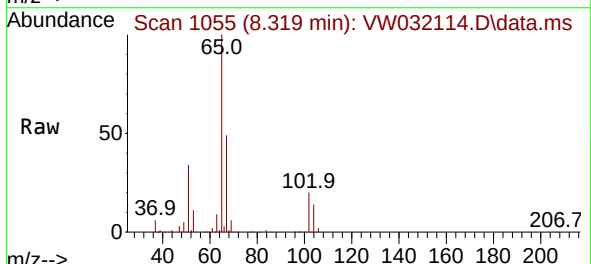
Instrument :
MSVOA_W
ClientSampleId :
25-SEPTIC

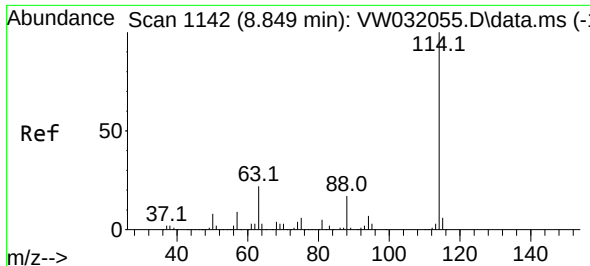
Tgt Ion:168 Resp: 143194
Ion Ratio Lower Upper
168 100
99 63.3 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 55.195 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 65 Resp: 114308
Ion Ratio Lower Upper
65 100
67 49.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

Instrument :

MSVOA_W

ClientSampleId :

25-SEPTIC

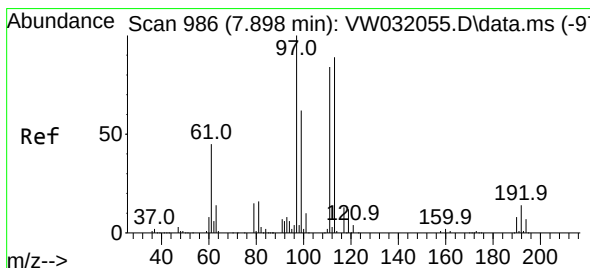
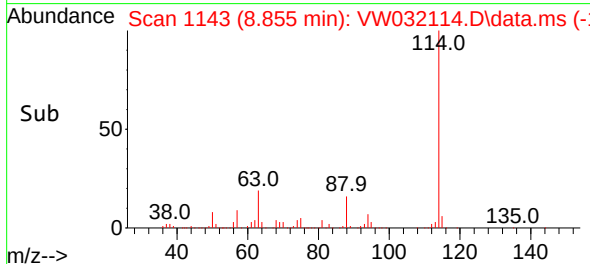
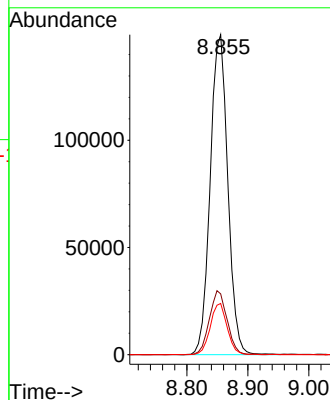
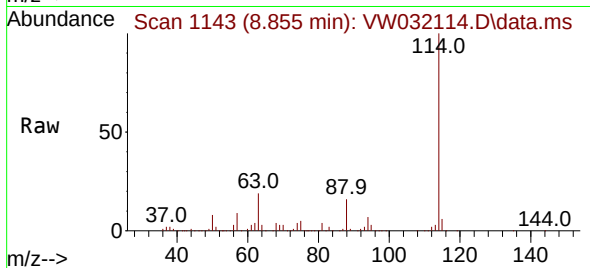
Tgt Ion:114 Resp: 299240

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.0

88 16.0 0.0 33.8



#35

Dibromofluoromethane

Concen: 54.167 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

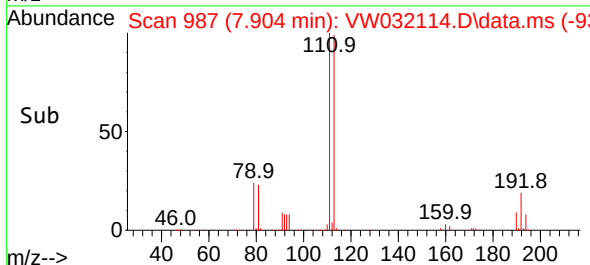
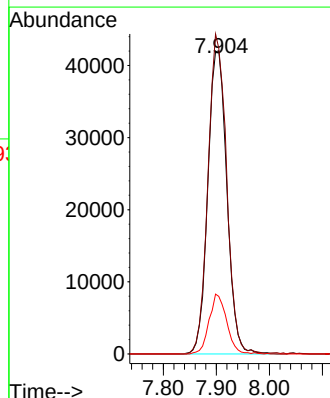
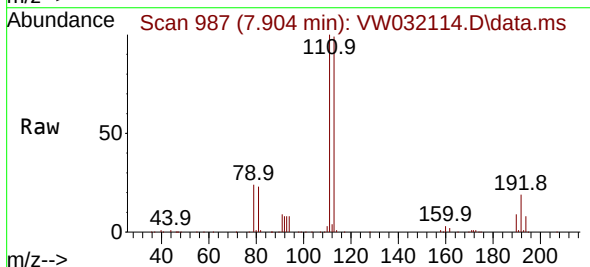
Tgt Ion:113 Resp: 104717

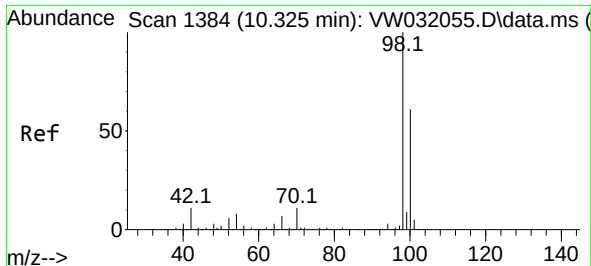
Ion Ratio Lower Upper

113 100

111 103.3 80.1 120.1

192 18.1 13.1 19.7

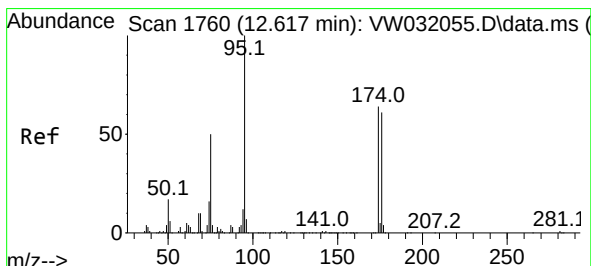
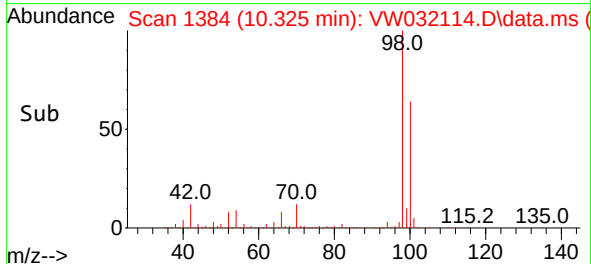
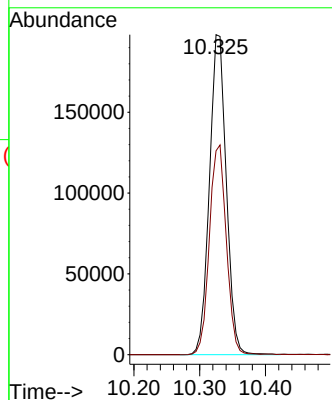
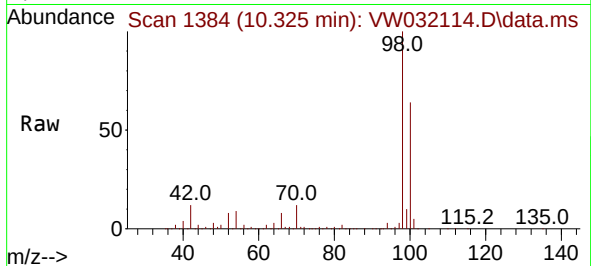




#50
Toluene-d8
Concen: 49.405 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

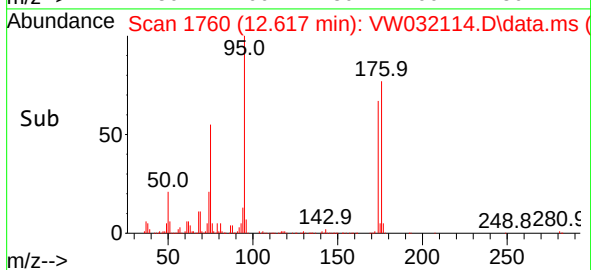
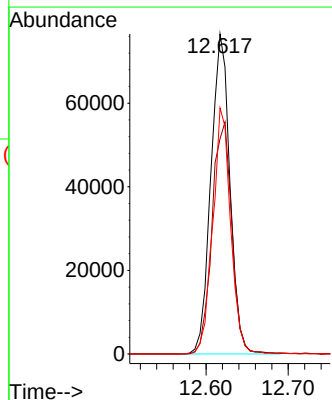
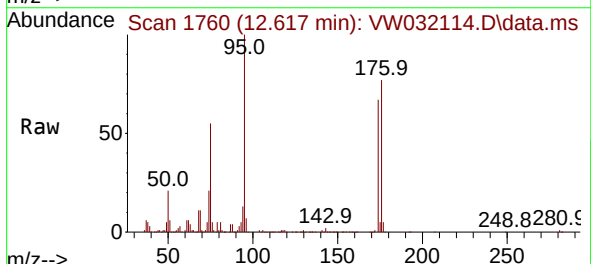
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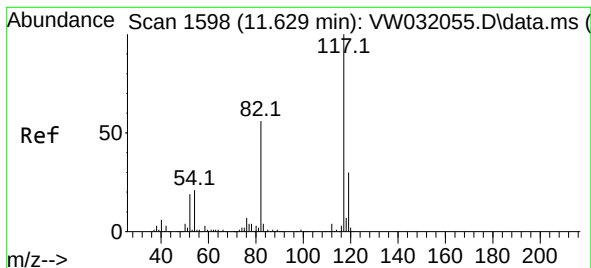
Tgt Ion: 98 Resp: 353265
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.685 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032114.D
Acq: 22 Aug 2025 16:29

Tgt Ion: 95 Resp: 123014
Ion Ratio Lower Upper
95 100
174 75.6 0.0 129.0
176 72.7 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW032114.D

Acq: 22 Aug 2025 16:29

Instrument :

MSVOA_W

ClientSampleId :

25-SEPTIC

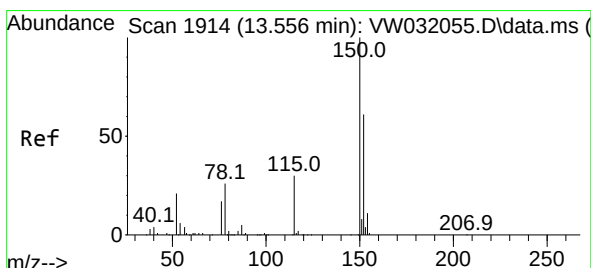
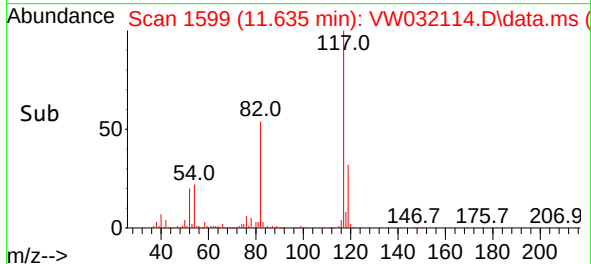
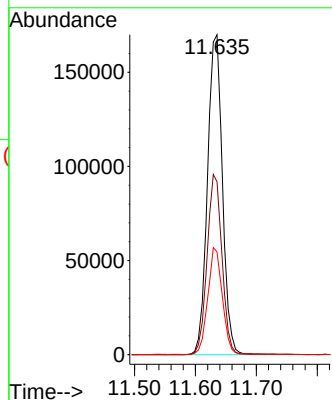
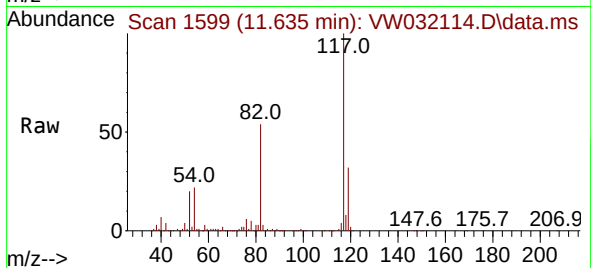
Tgt Ion:117 Resp: 289923

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.4

119 32.0 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: VW032114.D

Acq: 22 Aug 2025 16:29

Tgt Ion:152 Resp: 141778

Ion Ratio Lower Upper

152 100

115 61.9 32.6 97.8

150 154.0 0.0 359.4

