

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032143.D
 Acq On : 26 Aug 2025 12:12
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 27 04:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	156131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	330774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149404	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	118448	53.047	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.100%
35) Dibromofluoromethane	7.898	113	109136	47.027	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.060%
50) Toluene-d8	10.331	98	378578	46.470	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.940%
62) 4-Bromofluorobenzene	12.617	95	136578	45.337	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.680%

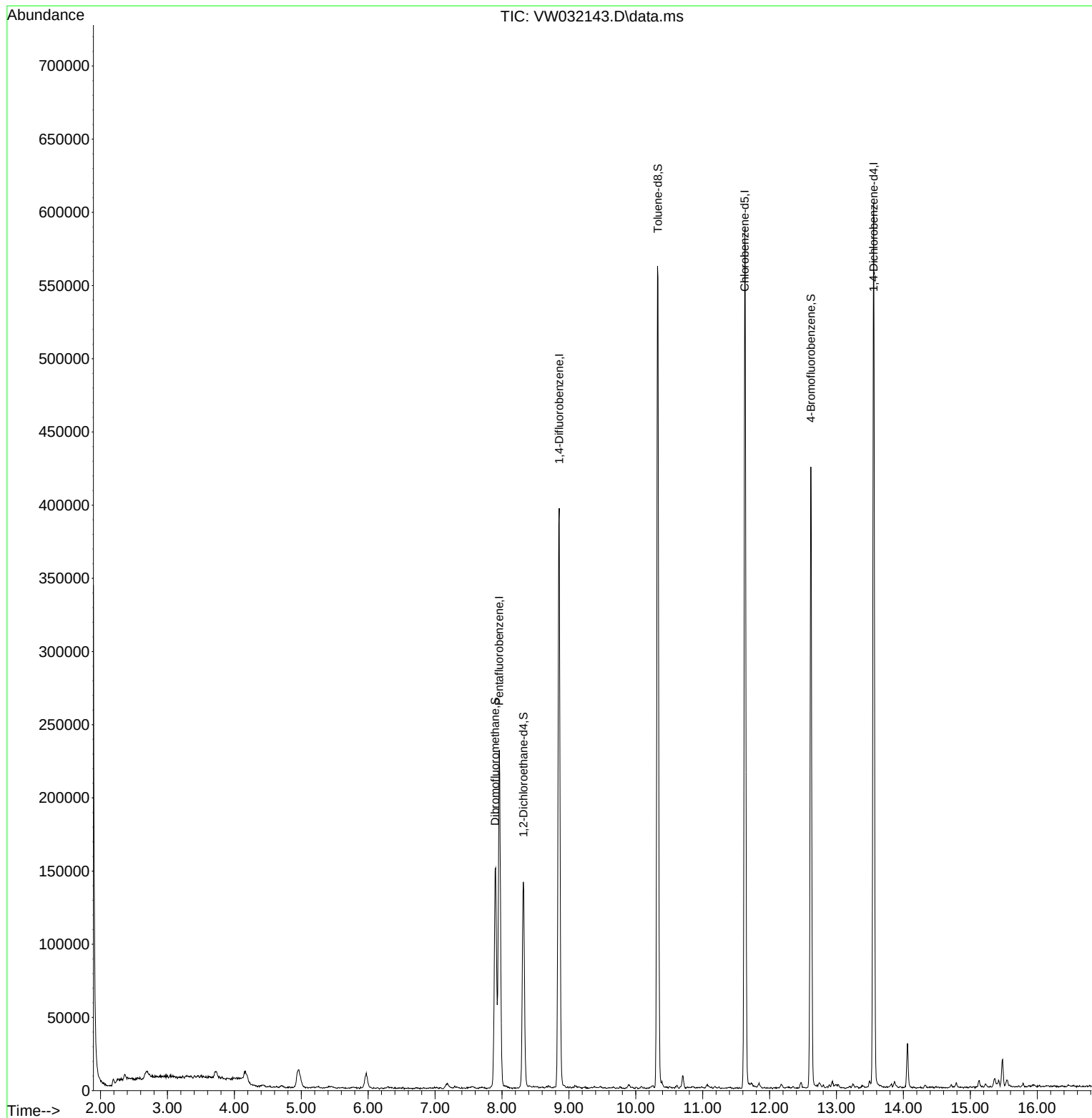
Target Compounds	Qvalue

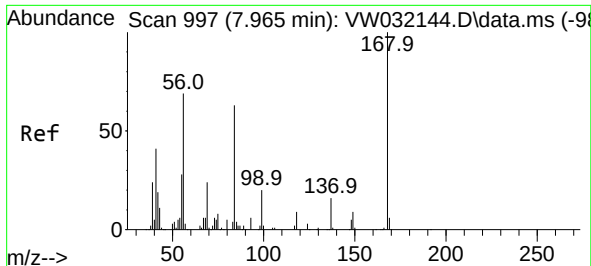
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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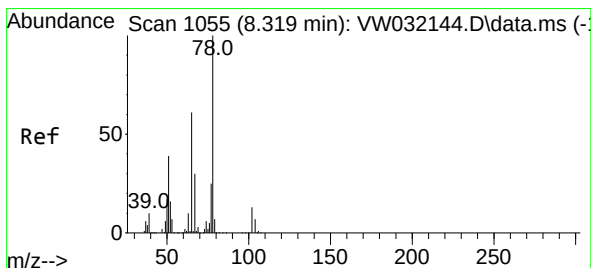
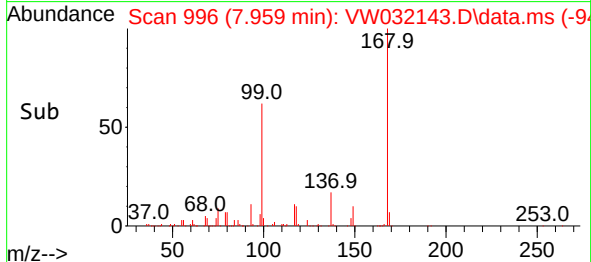
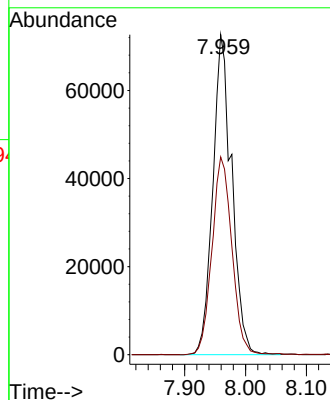
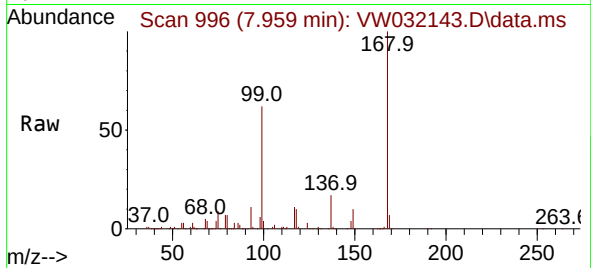




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032143.D
Acq: 26 Aug 2025 12:12

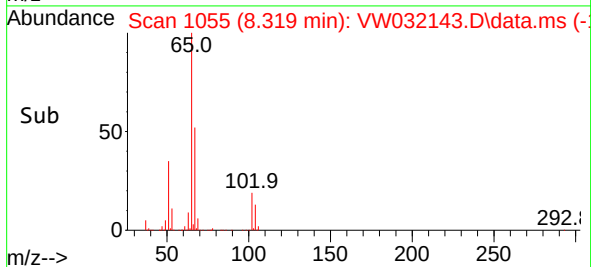
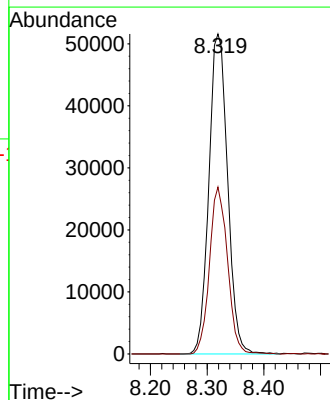
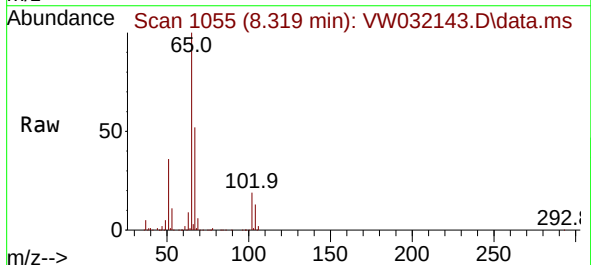
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

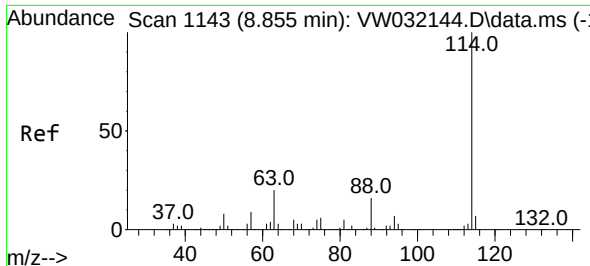
Tgt Ion:168 Resp: 156131
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 53.047 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032143.D
Acq: 26 Aug 2025 12:12

Tgt Ion: 65 Resp: 118448
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032143.D

Acq: 26 Aug 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

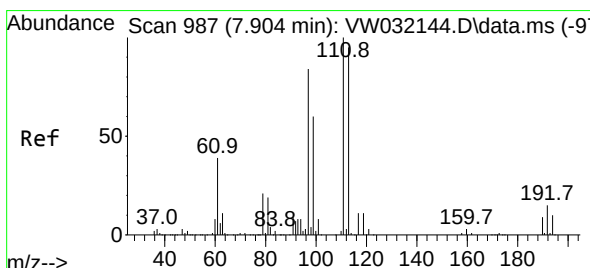
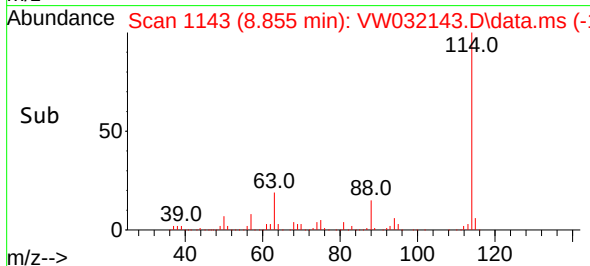
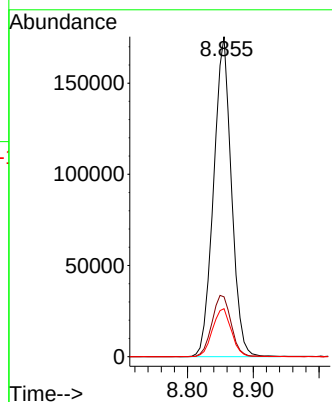
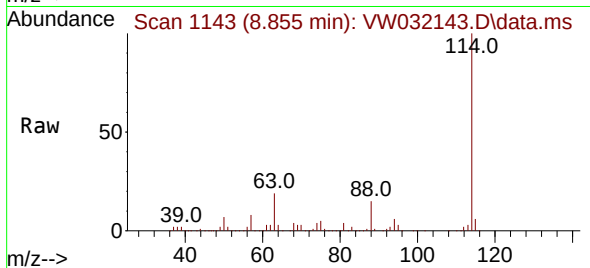
Tgt Ion:114 Resp: 330774

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.4

88 15.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.027 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032143.D

Acq: 26 Aug 2025 12:12

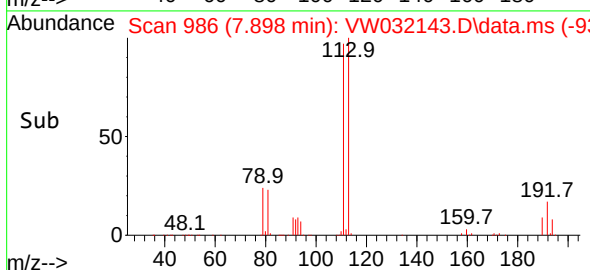
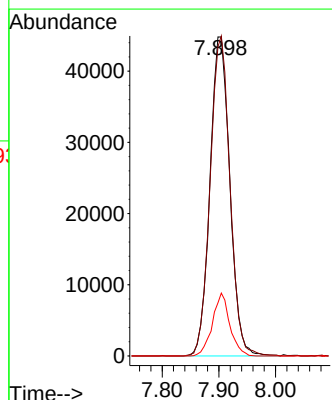
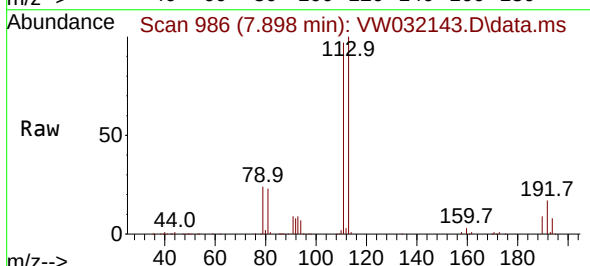
Tgt Ion:113 Resp: 109136

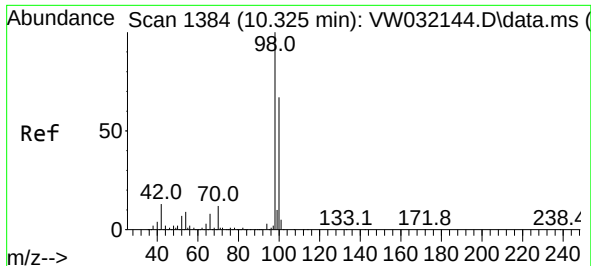
Ion Ratio Lower Upper

113 100

111 99.7 83.9 125.9

192 17.2 14.6 21.8

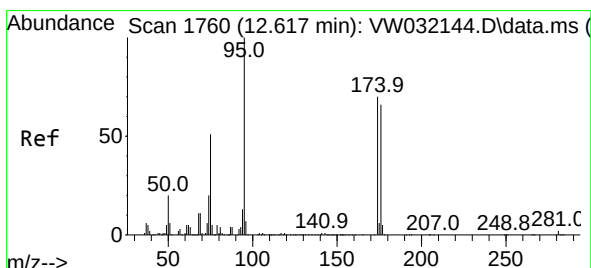
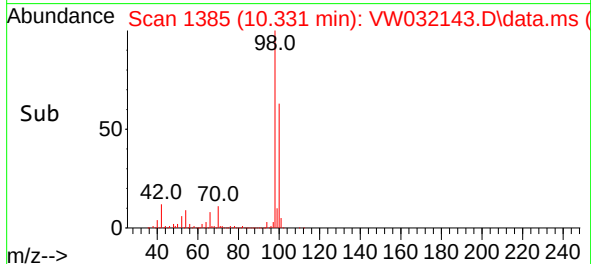
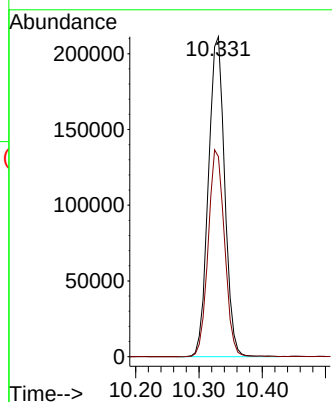
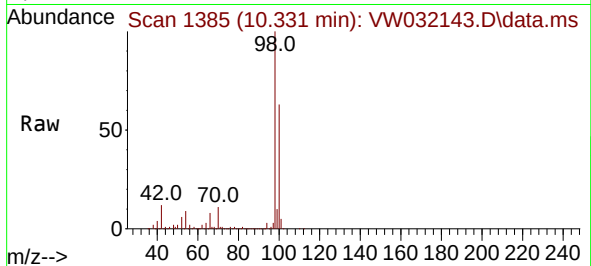




#50
Toluene-d8
Concen: 46.470 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032143.D
Acq: 26 Aug 2025 12:12

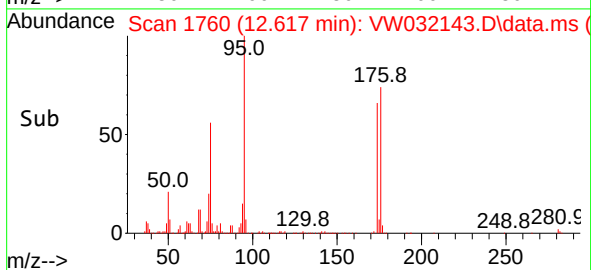
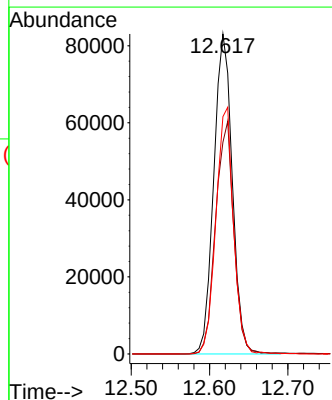
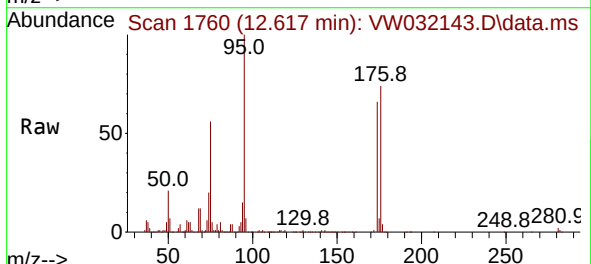
Instrument :
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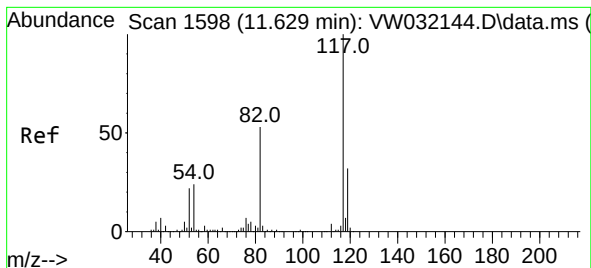
Tgt Ion: 98 Resp: 378578
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.337 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032143.D
Acq: 26 Aug 2025 12:12

Tgt Ion: 95 Resp: 136578
Ion Ratio Lower Upper
95 100
174 71.4 0.0 145.6
176 73.6 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032143.D

Acq: 26 Aug 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

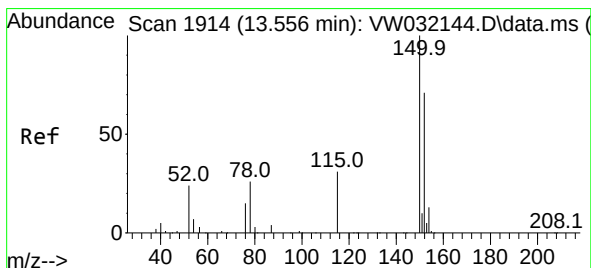
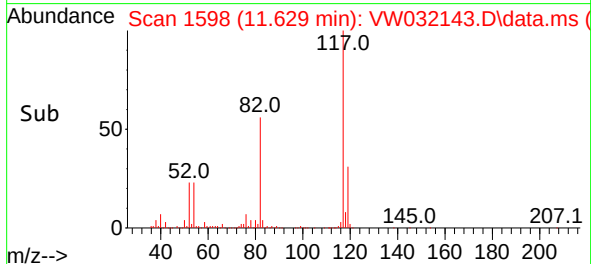
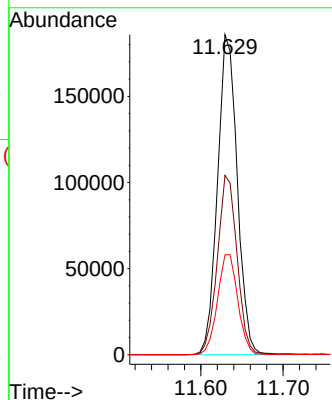
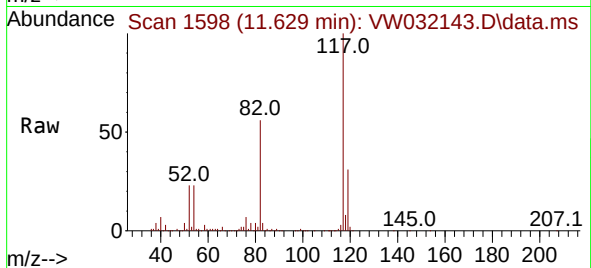
Tgt Ion:117 Resp: 31022

Ion Ratio Lower Upper

117 100

82 56.1 42.7 64.1

119 31.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032143.D

Acq: 26 Aug 2025 12:12

Tgt Ion:152 Resp: 149404

Ion Ratio Lower Upper

152 100

115 63.3 31.8 95.4

150 162.9 0.0 343.0

