

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032124.D
 Acq On : 22 Aug 2025 20:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 04:03:09 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	192591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	363259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188482	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123687	44.405	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.820%
35) Dibromofluoromethane	7.904	113	117071	49.885	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.780%
50) Toluene-d8	10.331	98	408466	47.058	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.120%
62) 4-Bromofluorobenzene	12.617	95	160351	50.129	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	100.260%

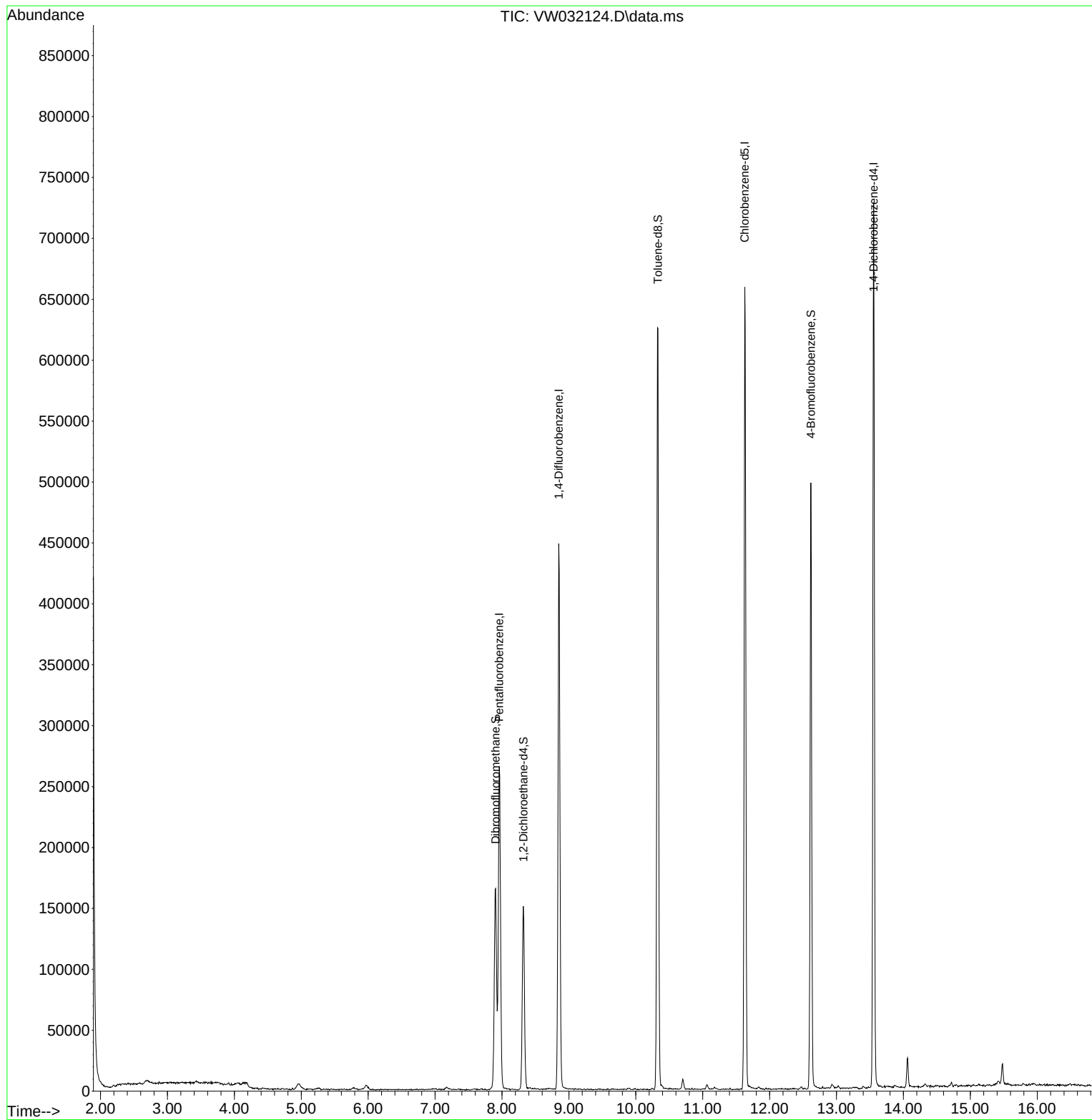
Target Compounds	Qvalue

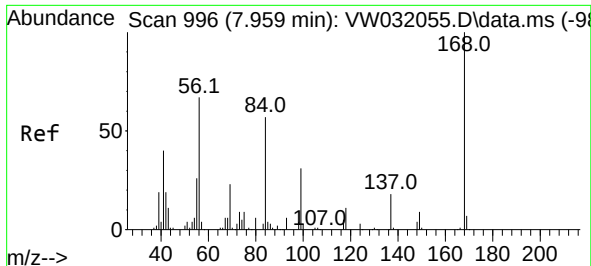
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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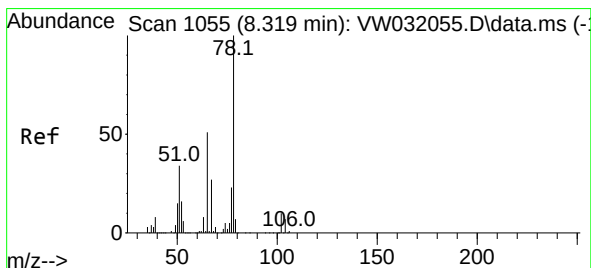
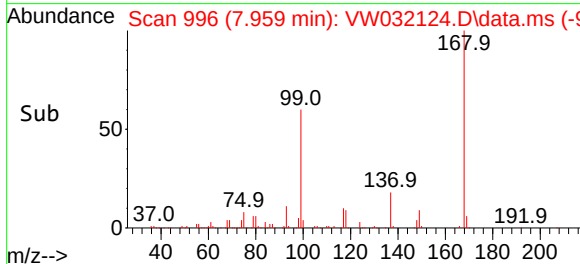
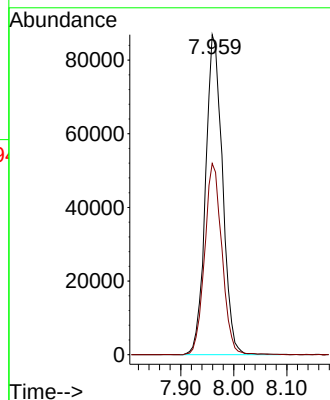
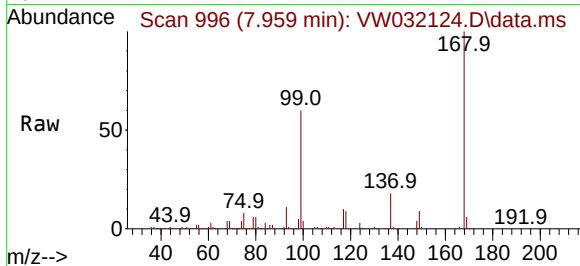




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

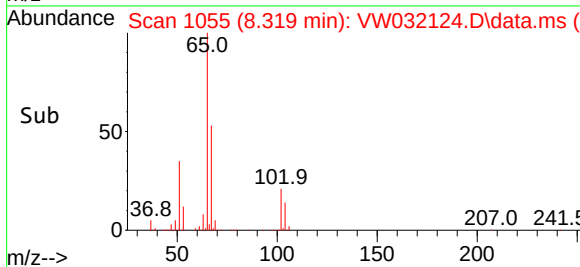
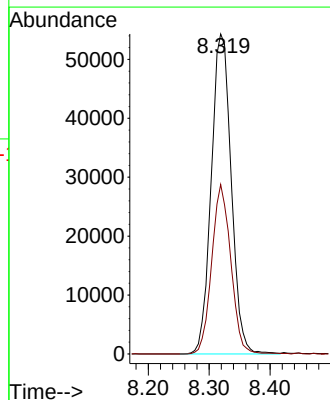
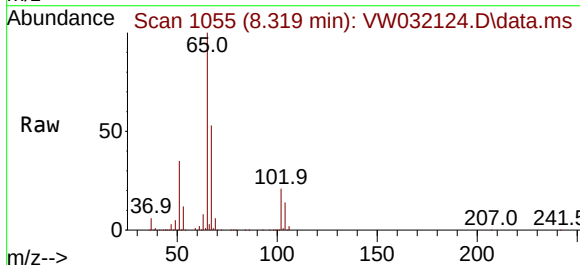
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

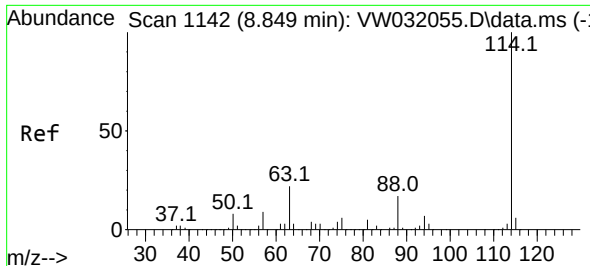
Tgt Ion:168 Resp: 192591
Ion Ratio Lower Upper
168 100
99 59.8 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 44.405 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 65 Resp: 123687
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.4

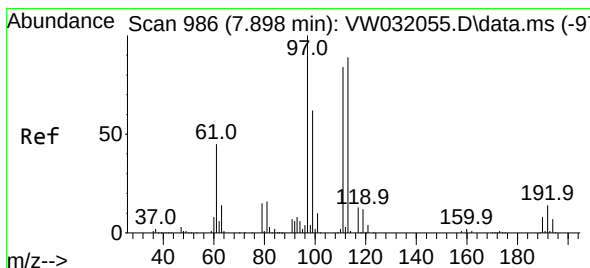
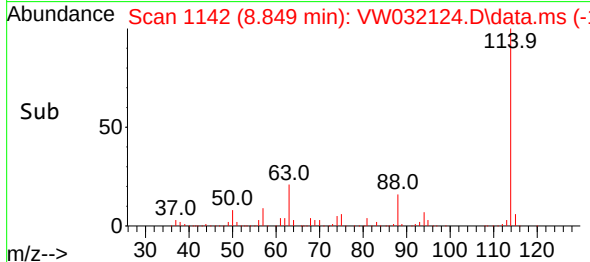
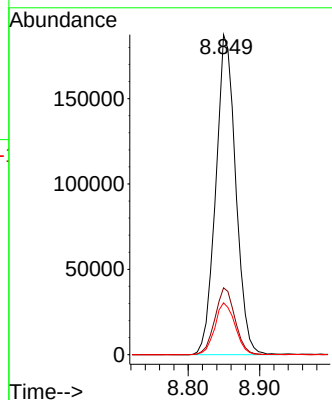
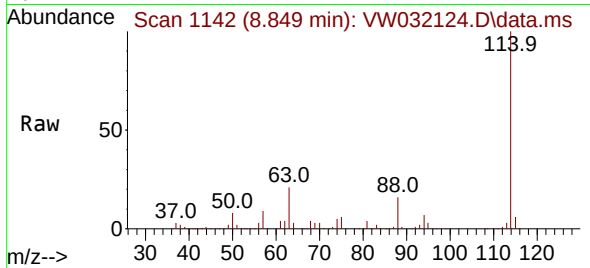




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

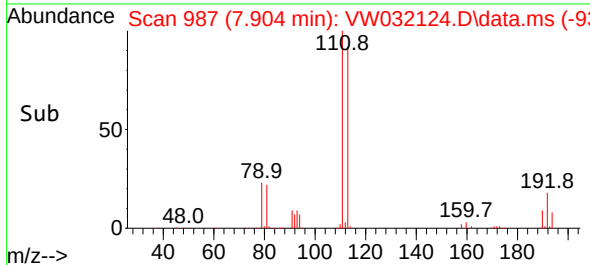
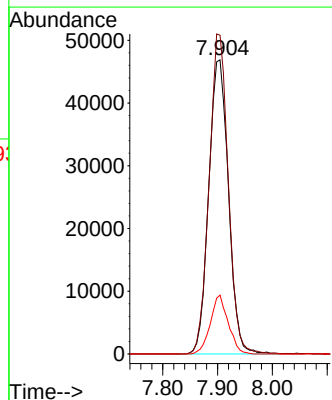
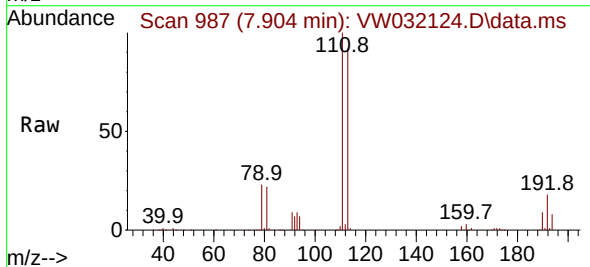
Instrument :
MSVOA_W
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VIBLK

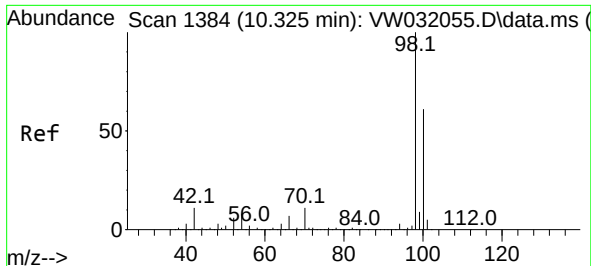
Tgt Ion:114 Resp: 363259
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.0
88 16.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.885 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion:113 Resp: 117071
Ion Ratio Lower Upper
113 100
111 105.0 80.1 120.1
192 18.1 13.1 19.7

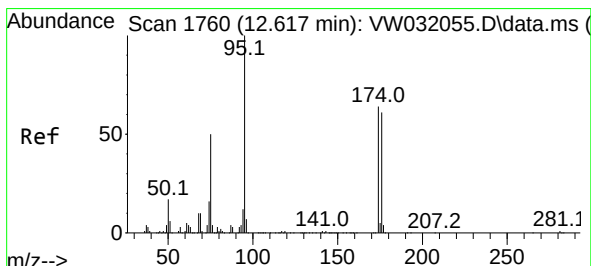
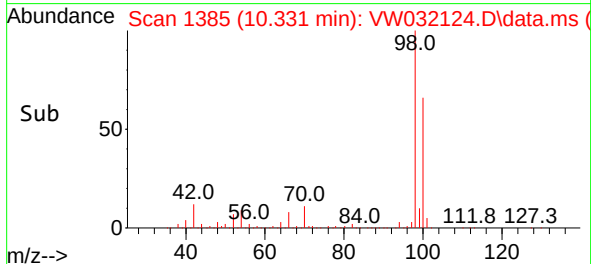
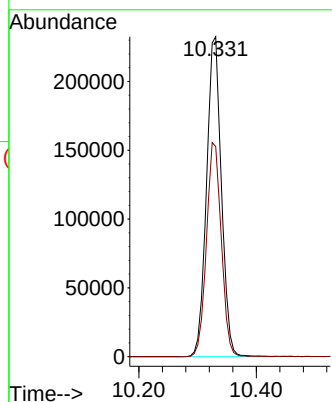
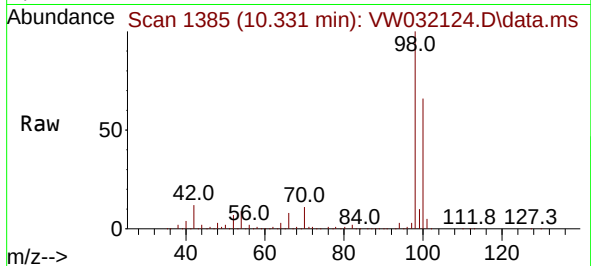




#50
Toluene-d8
Concen: 47.058 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

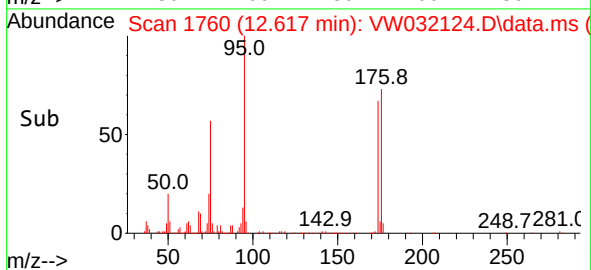
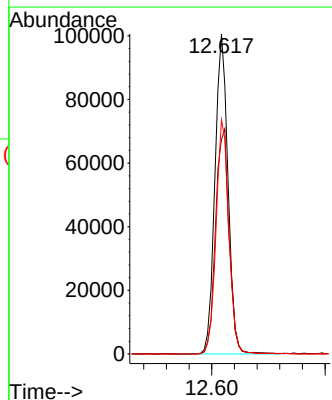
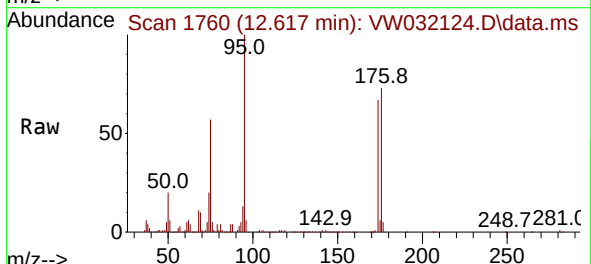
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

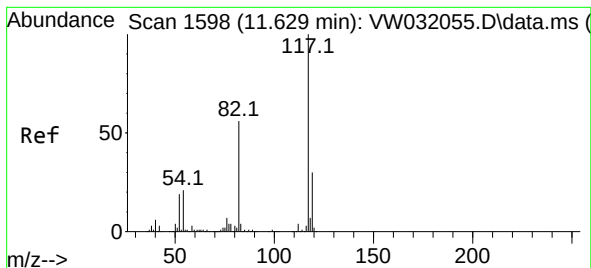
Tgt Ion: 98 Resp: 408466
Ion Ratio Lower Upper
98 100
100 66.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.129 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 95 Resp: 160351
Ion Ratio Lower Upper
95 100
174 73.4 0.0 129.0
176 71.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032124.D

Acq: 22 Aug 2025 20:08

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

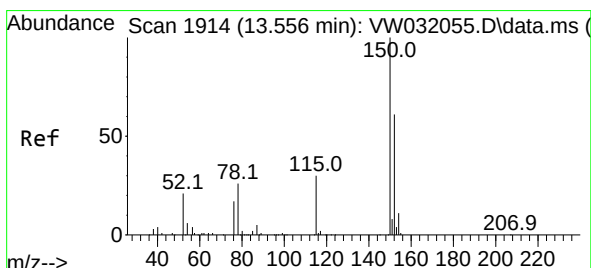
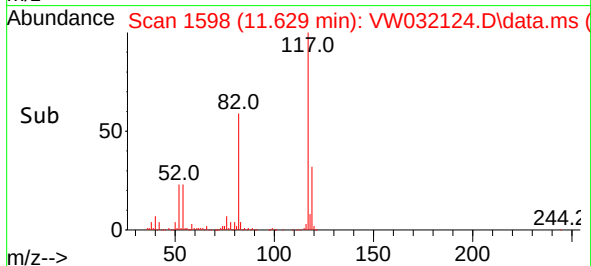
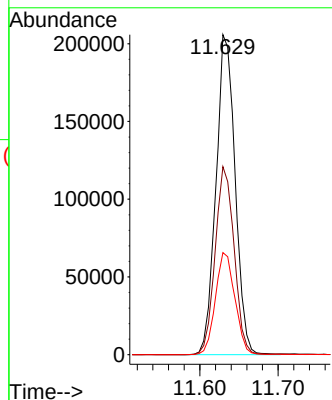
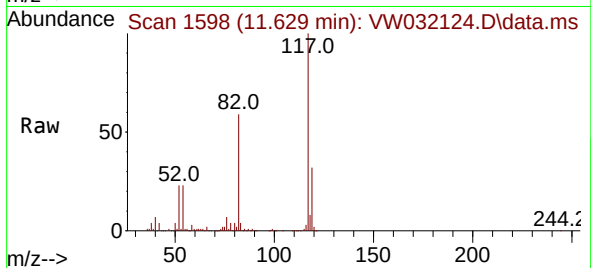
Tgt Ion:117 Resp: 350733

Ion Ratio Lower Upper

117 100

82 58.8 45.0 67.4

119 31.9 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: VW032124.D

Acq: 22 Aug 2025 20:08

Tgt Ion:152 Resp: 188482

Ion Ratio Lower Upper

152 100

115 59.2 32.6 97.8

150 149.7 0.0 359.4

