

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032157.D
 Acq On : 28 Aug 2025 14:03
 Operator : SY/MD
 Sample : Q2971-19
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP8

Quant Time: Aug 29 01:19:15 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)

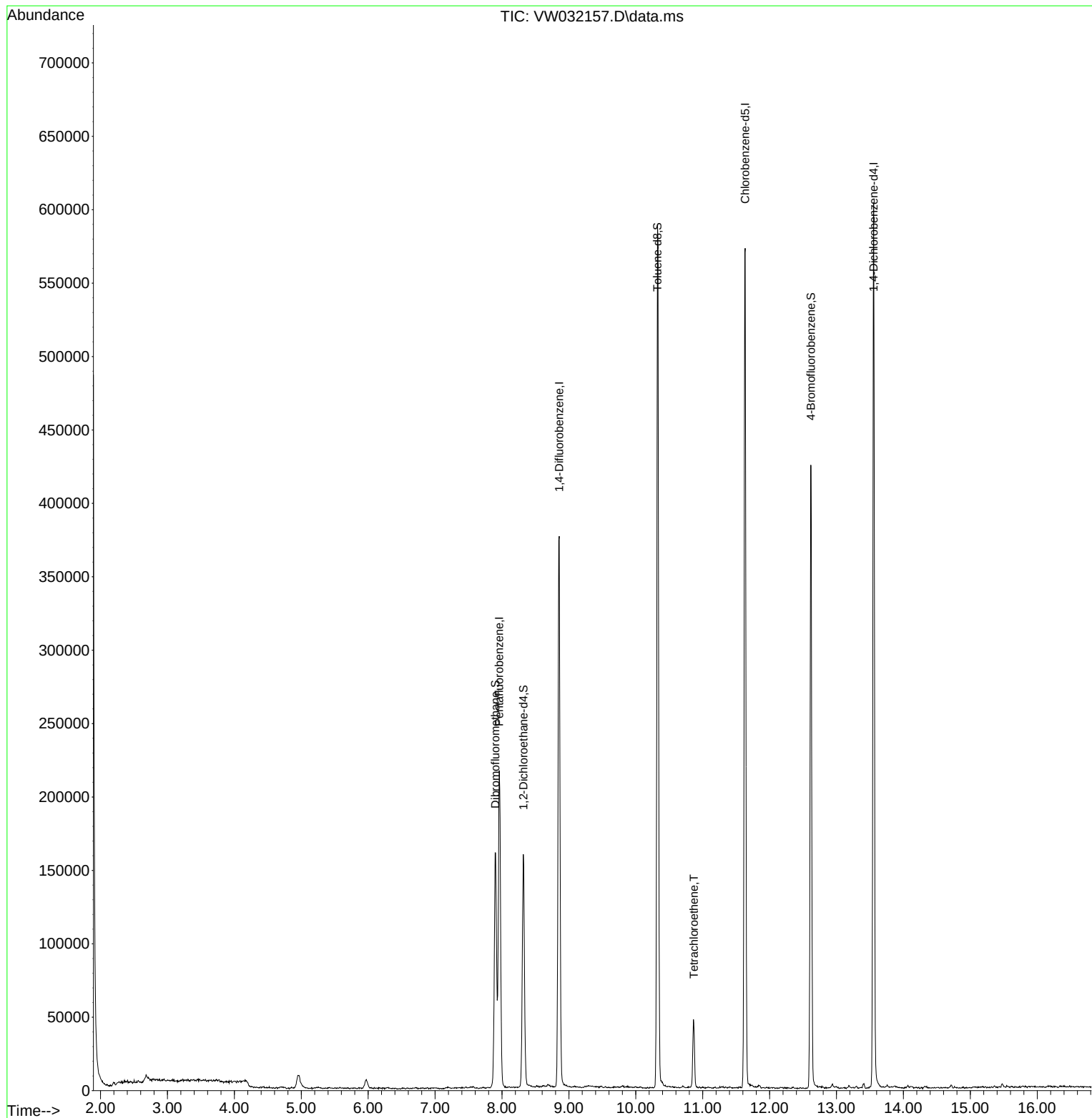
Internal Standards						
1) Pentafluorobenzene	7.959	168	154026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	317107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	313548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	152528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129221	58.663	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.320%
35) Dibromofluoromethane	7.898	113	113539	51.033	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.060%
50) Toluene-d8	10.325	98	385157	49.315	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.617	95	139157	48.184	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.360%
Target Compounds						
64) Tetrachloroethene	10.867	164	10188	4.937	ug/l	Qvalue 92

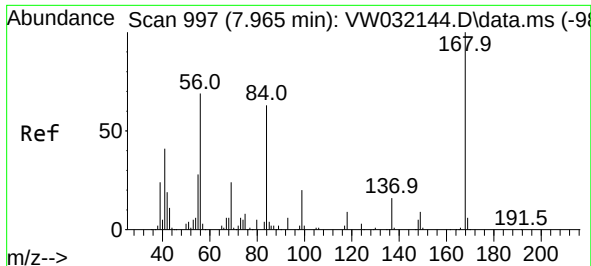
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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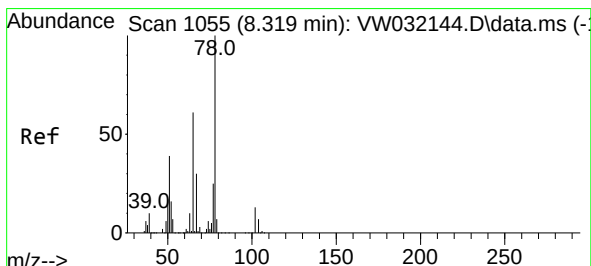
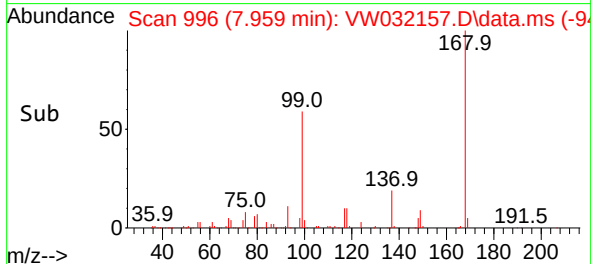
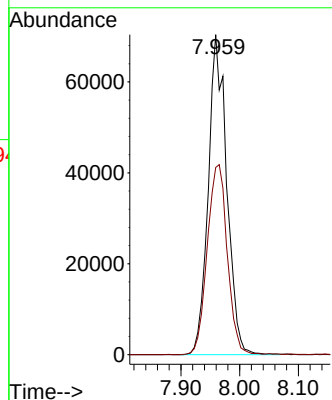
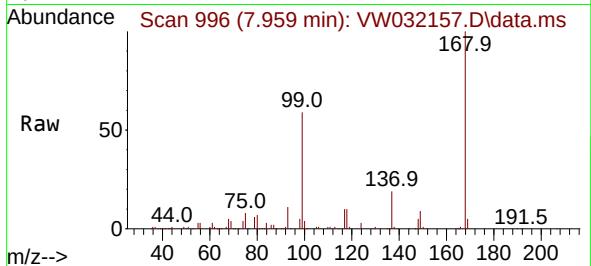




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:03

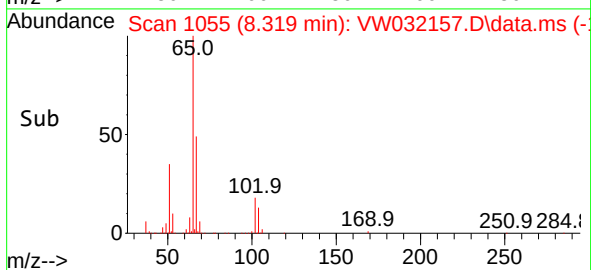
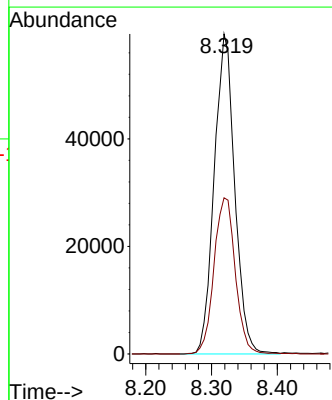
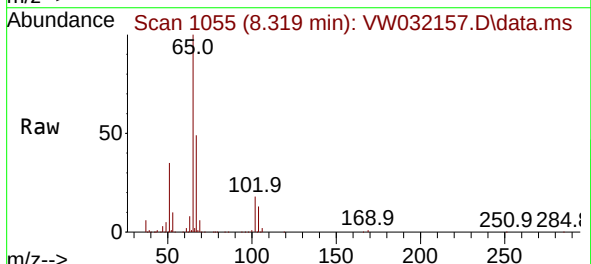
Instrument :
MSVOA_W
ClientSampleId :
TP8

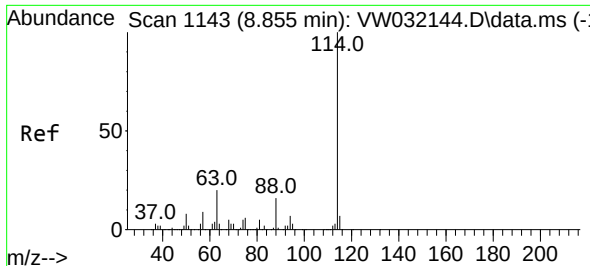
Tgt Ion:168 Resp: 154026
Ion Ratio Lower Upper
168 100
99 58.5 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 58.663 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 65 Resp: 129221
Ion Ratio Lower Upper
65 100
67 50.8 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: VW032157.D

Acq: 28 Aug 2025 14:03

Instrument :

MSVOA_W

ClientSampleId :

TP8

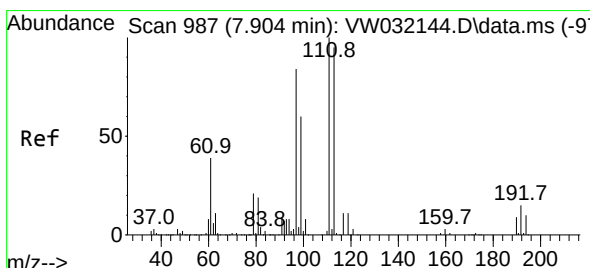
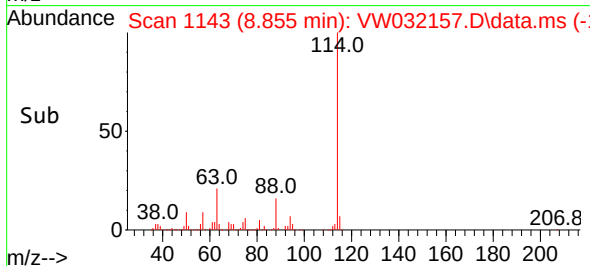
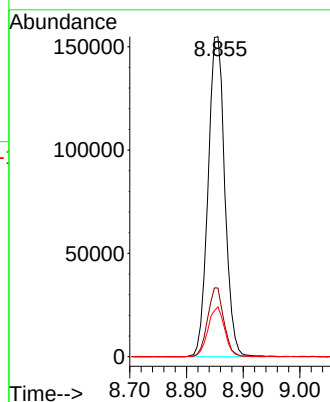
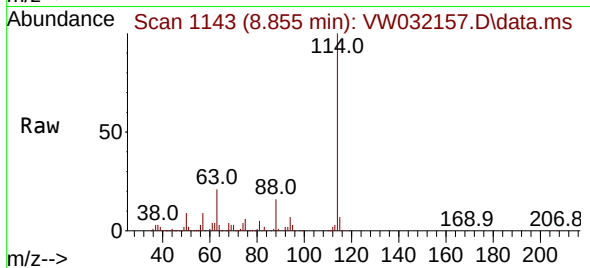
Tgt Ion:114 Resp: 317107

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.033 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032157.D

Acq: 28 Aug 2025 14:03

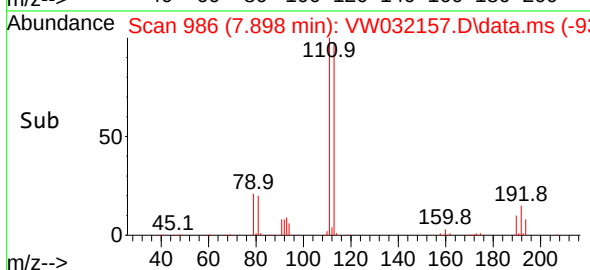
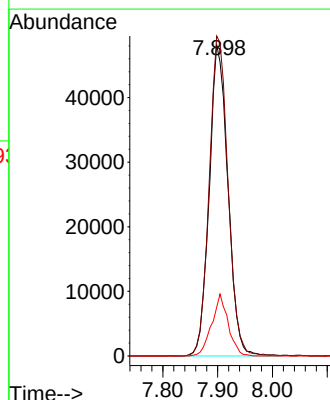
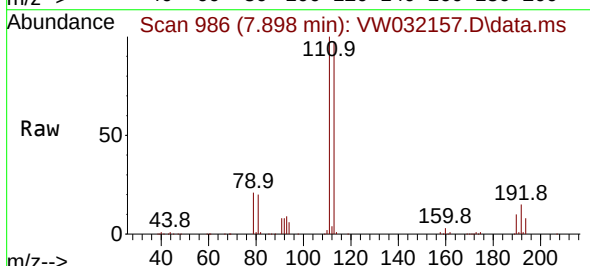
Tgt Ion:113 Resp: 113539

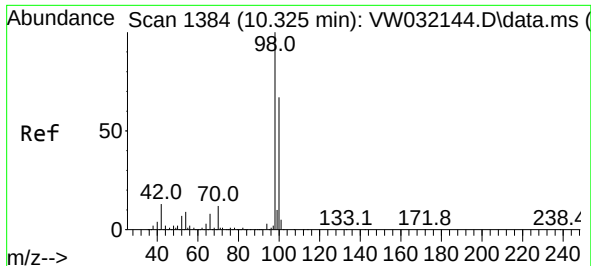
Ion Ratio Lower Upper

113 100

111 103.8 83.9 125.9

192 17.5 14.6 21.8

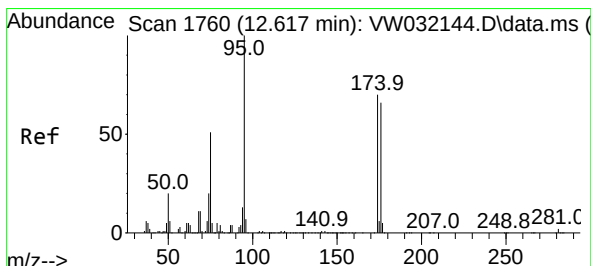
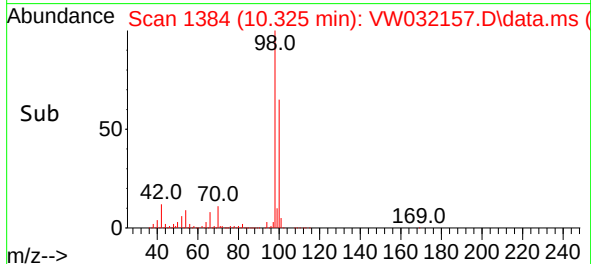
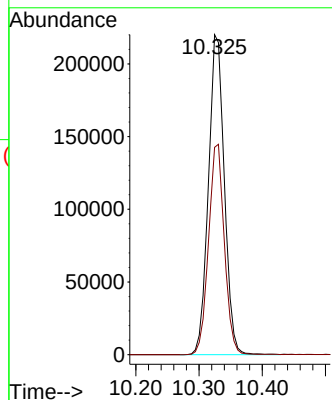
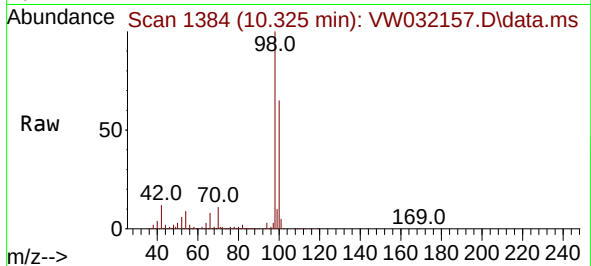




#50
Toluene-d8
Concen: 49.315 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:03

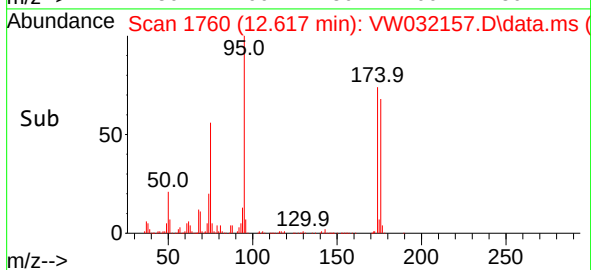
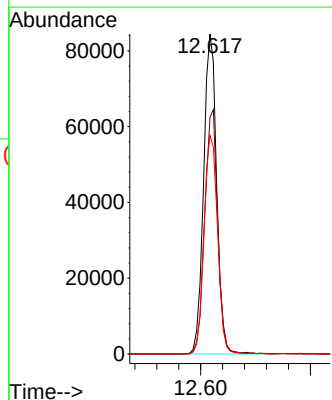
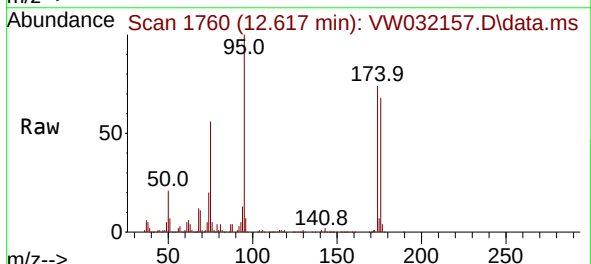
Instrument :
MSVOA_W
ClientSampleId :
TP8

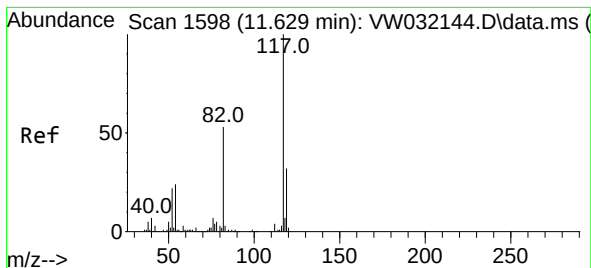
Tgt Ion: 98 Resp: 385157
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.184 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032157.D
Acq: 28 Aug 2025 14:03

Tgt Ion: 95 Resp: 139157
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.6
176 70.7 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032157.D

Acq: 28 Aug 2025 14:03

Instrument :

MSVOA_W

ClientSampleId :

TP8

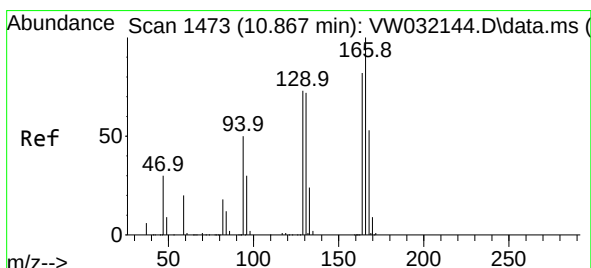
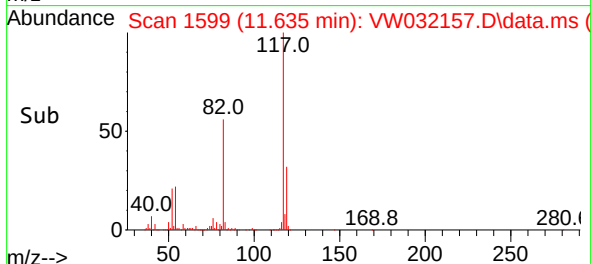
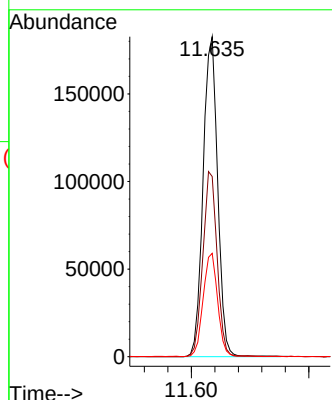
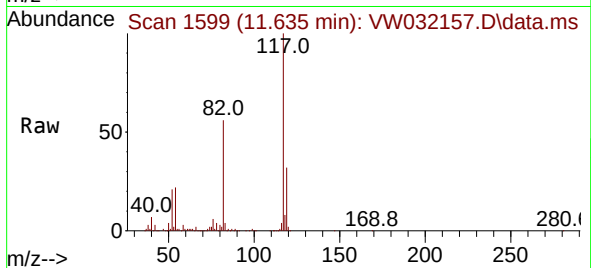
Tgt Ion:117 Resp: 313548

Ion Ratio Lower Upper

117 100

82 56.3 42.7 64.1

119 32.2 25.2 37.8



#64

Tetrachloroethene

Concen: 4.937 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032157.D

Acq: 28 Aug 2025 14:03

Tgt Ion:164 Resp: 10188

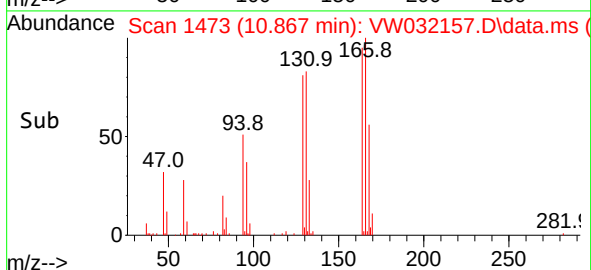
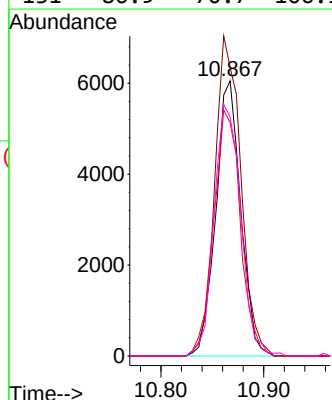
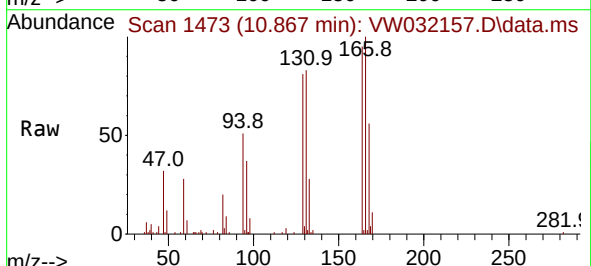
Ion Ratio Lower Upper

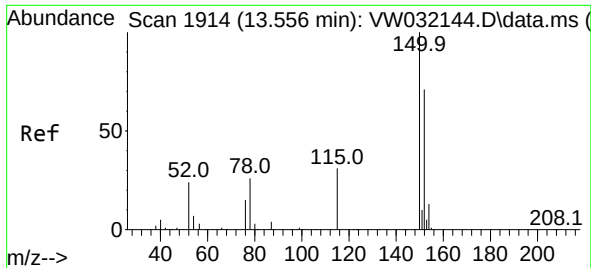
164 100

166 104.9 97.5 146.3

129 84.8 71.2 106.8

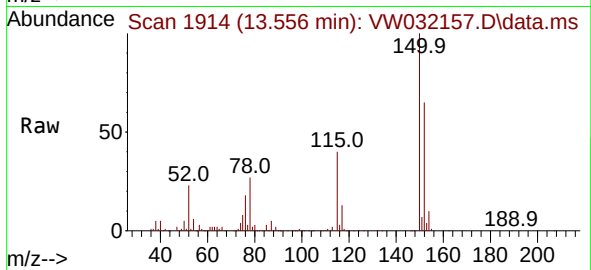
131 86.9 70.7 106.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032157.D
 Acq: 28 Aug 2025 14:03

Instrument :
 MSVOA_W
 ClientSampleId :
 TP8



Tgt Ion:152 Resp: 152528
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.8 95.4
 150 159.1 0.0 343.0

