

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032622.D
 Acq On : 11 Dec 2025 11:22
 Operator : SY/MD
 Sample : Q3814-01
 Misc : 3.96g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Quant Time: Dec 12 00:41:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	579915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	1106074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	923286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	404576	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	319468	36.060	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	72.120%
35) Dibromofluoromethane	7.898	113	257941	33.859	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	67.720%#
50) Toluene-d8	10.325	98	956467	33.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	67.400%#
62) 4-Bromofluorobenzene	12.617	95	326223	31.302	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	62.600%

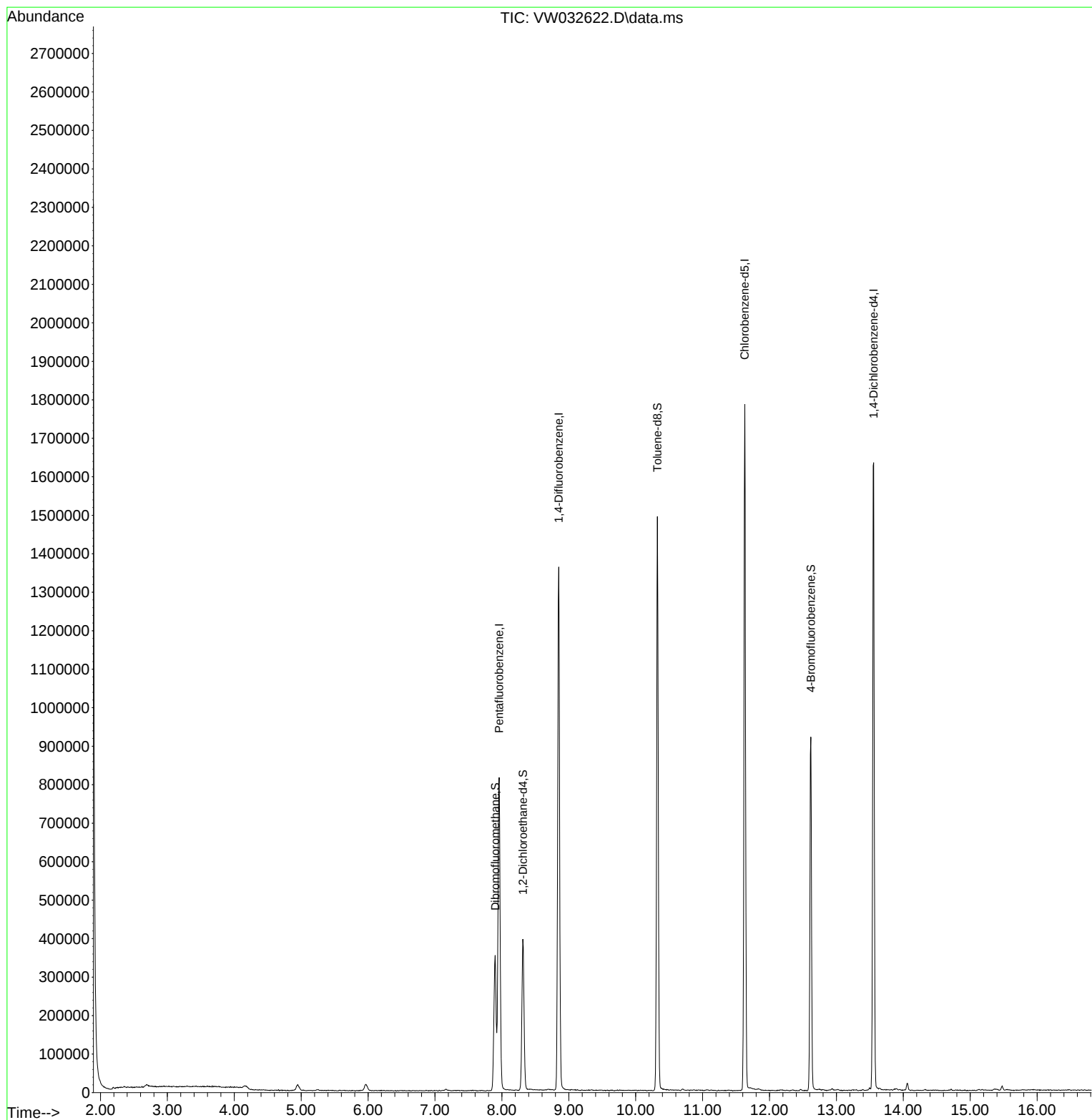
Target Compounds	Qvalue

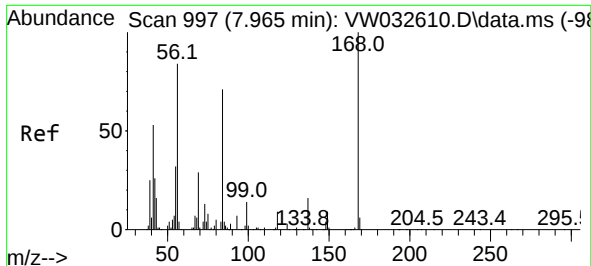
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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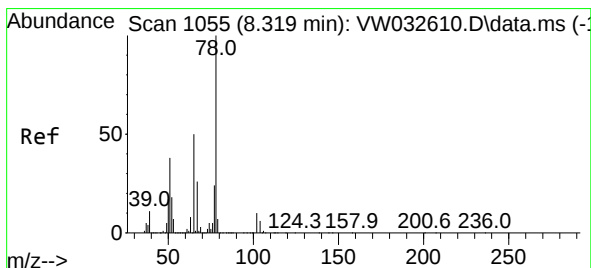
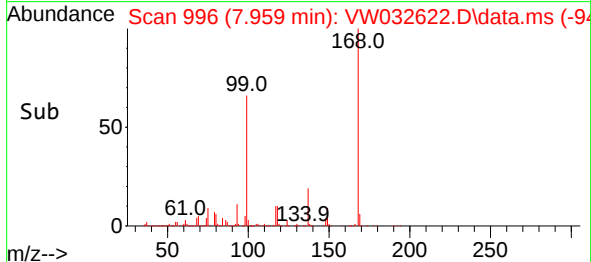
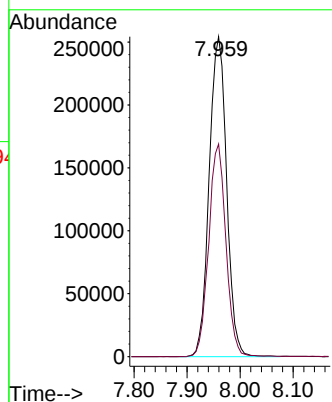
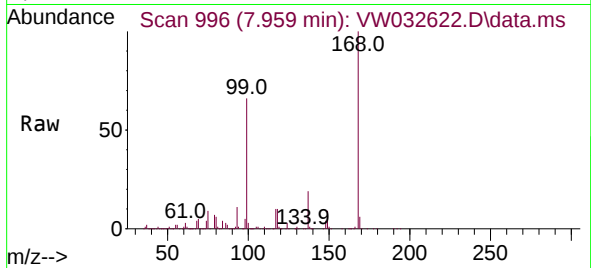




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032622.D
Acq: 11 Dec 2025 11:22

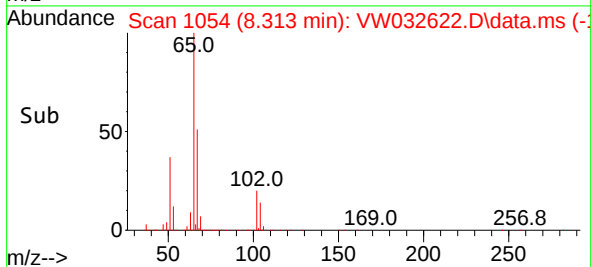
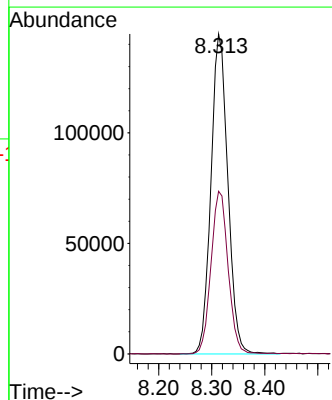
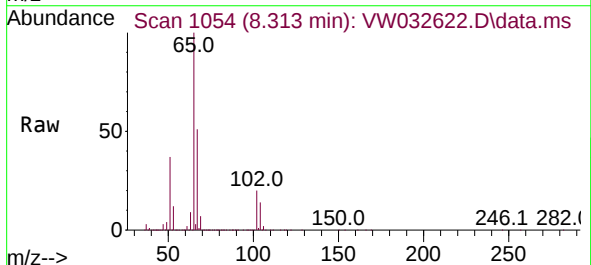
Instrument :
MSVOA_W
ClientSampleId :
TP-5

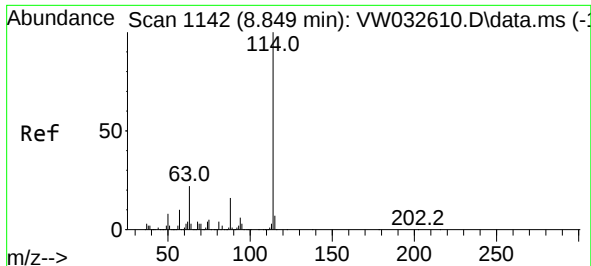
Tgt Ion:168 Resp: 579915
Ion Ratio Lower Upper
168 100
99 66.4 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 36.060 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032622.D
Acq: 11 Dec 2025 11:22

Tgt Ion: 65 Resp: 319468
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032622.D

Acq: 11 Dec 2025 11:22

Instrument :

MSVOA_W

ClientSampleId :

TP-5

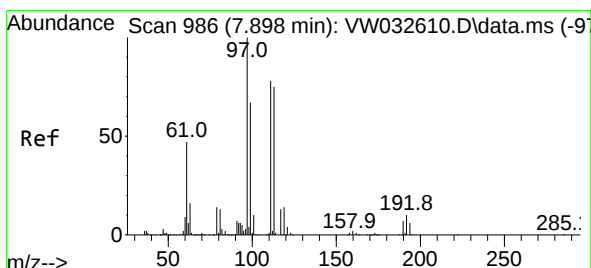
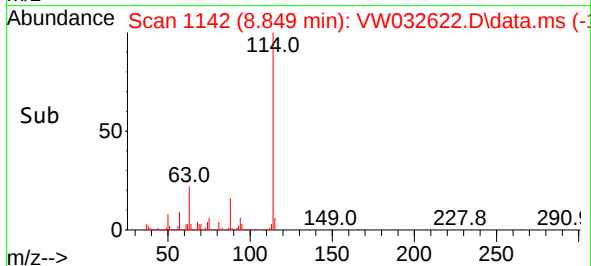
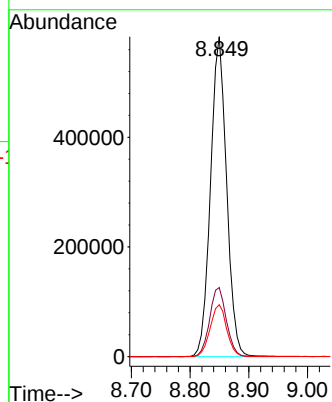
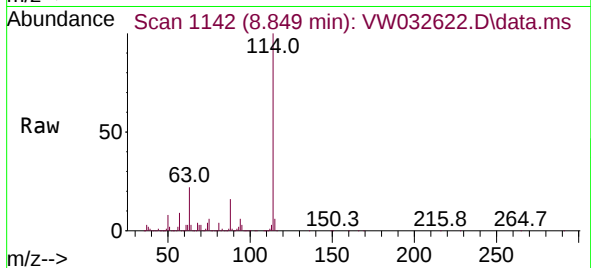
Tgt Ion:114 Resp: 1106074

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 33.859 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032622.D

Acq: 11 Dec 2025 11:22

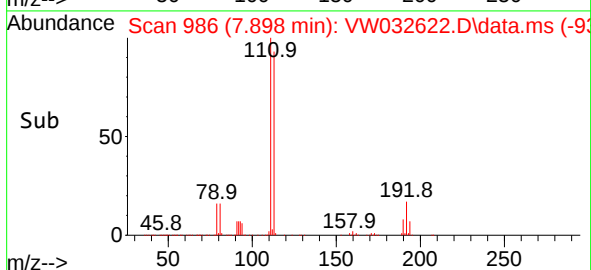
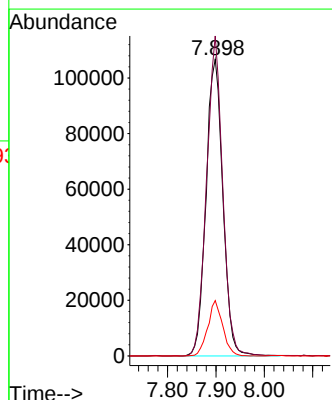
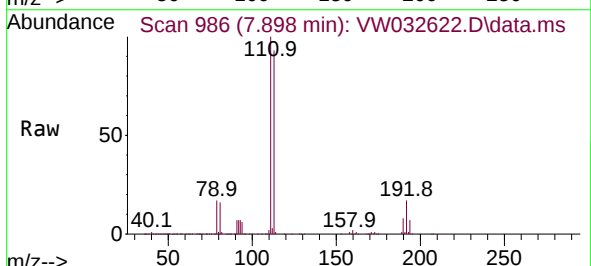
Tgt Ion:113 Resp: 257941

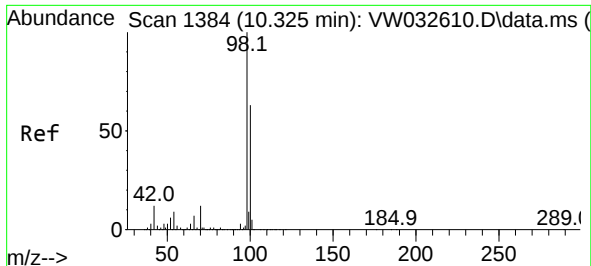
Ion Ratio Lower Upper

113 100

111 103.6 85.2 127.8

192 16.6 13.3 19.9

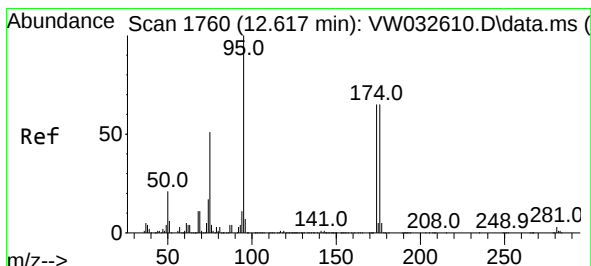
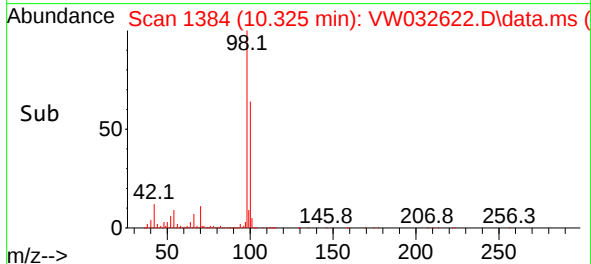
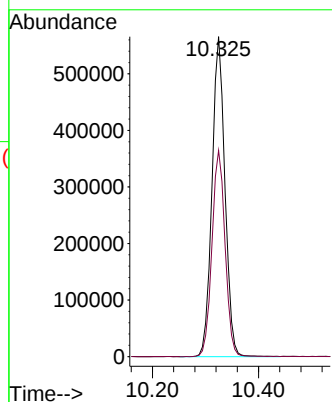
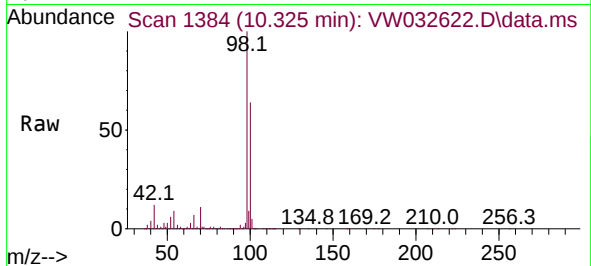




#50
Toluene-d8
Concen: 33.695 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032622.D
Acq: 11 Dec 2025 11:22

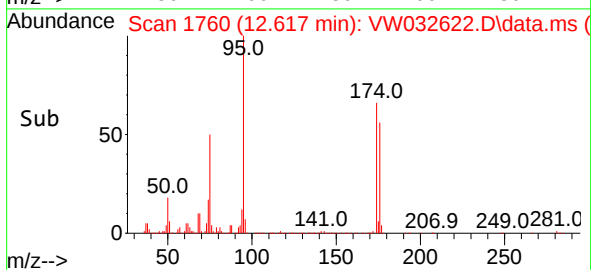
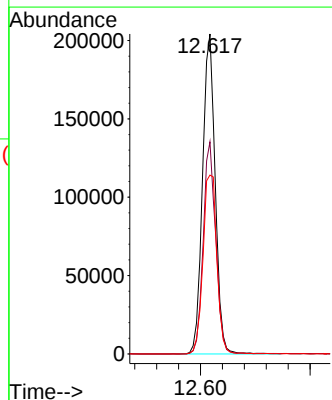
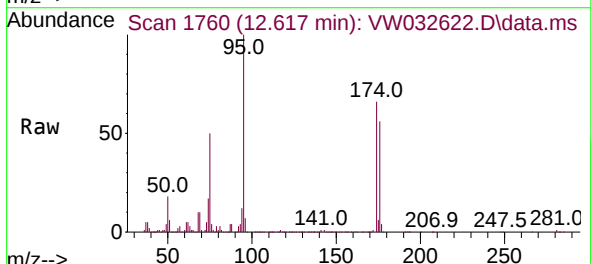
Instrument :
MSVOA_W
ClientSampleId :
TP-5

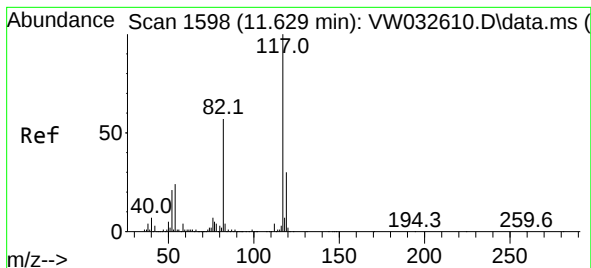
Tgt Ion: 98 Resp: 956467
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 31.302 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032622.D
Acq: 11 Dec 2025 11:22

Tgt Ion: 95 Resp: 326223
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.0
176 61.5 0.0 123.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032622.D

Acq: 11 Dec 2025 11:22

Instrument :

MSVOA_W

ClientSampleId :

TP-5

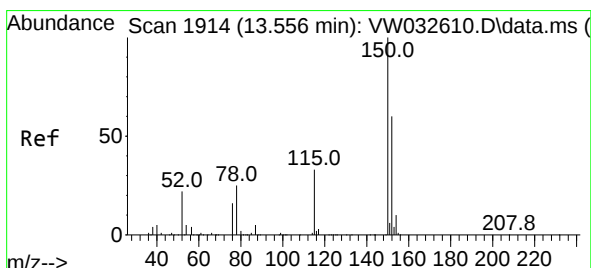
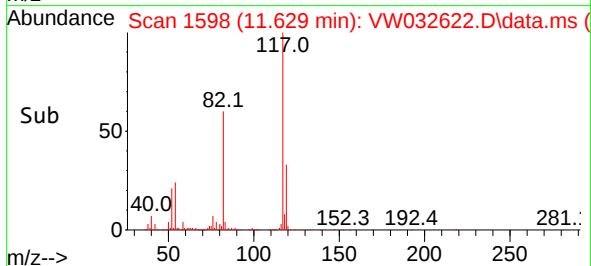
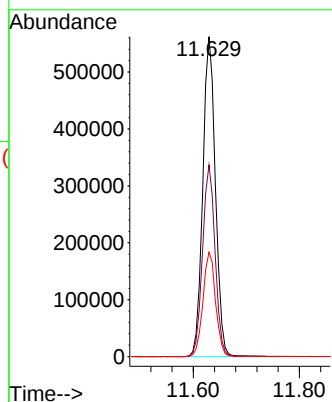
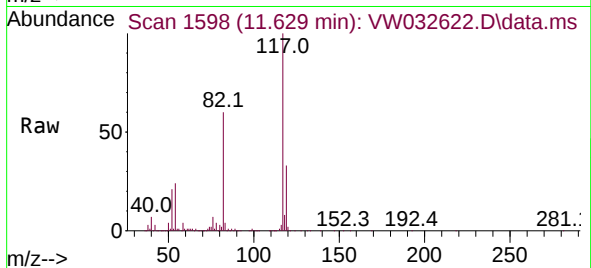
Tgt Ion:117 Resp: 923286

Ion Ratio Lower Upper

117 100

82 59.8 45.5 68.3

119 32.6 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032622.D

Acq: 11 Dec 2025 11:22

Tgt Ion:152 Resp: 404576

Ion Ratio Lower Upper

152 100

115 66.4 33.8 101.3

150 162.3 0.0 369.4

