

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032631.D
 Acq On : 11 Dec 2025 14:38
 Operator : SY/MD
 Sample : Q3826-03
 Misc : 3.49g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14

Quant Time: Dec 12 00:44:28 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	416091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	858178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	742100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	309671	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	427561	64.302	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	128.600%
35) Dibromofluoromethane	7.898	113	354489	57.434	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	114.860%
50) Toluene-d8	10.325	98	1246228	56.585	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	113.160%
62) 4-Bromofluorobenzene	12.617	95	425969	52.680	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.360%

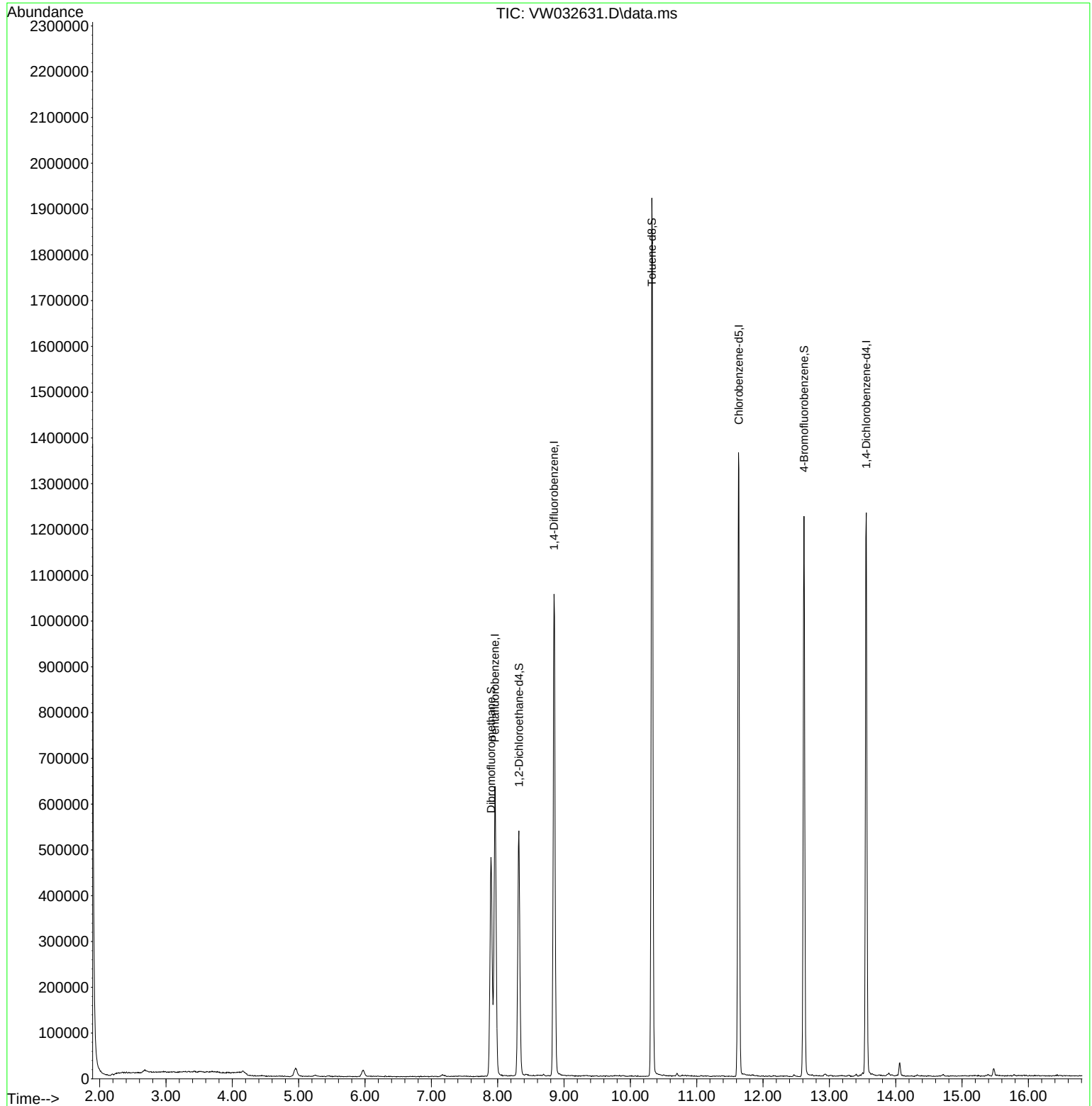
Target Compounds	Qvalue

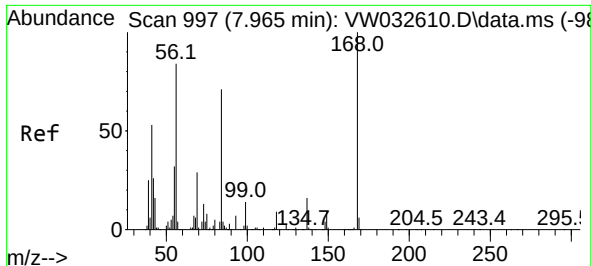
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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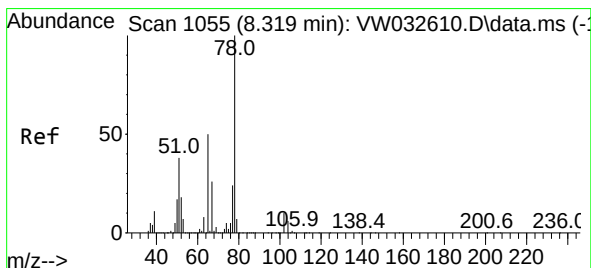
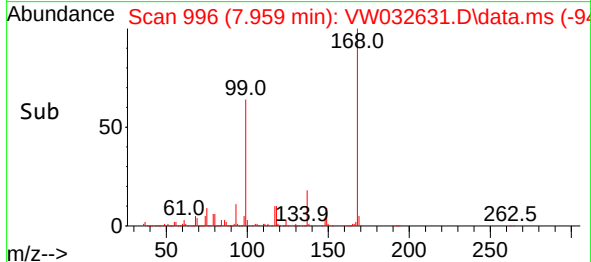
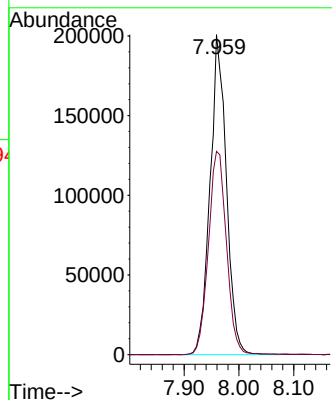
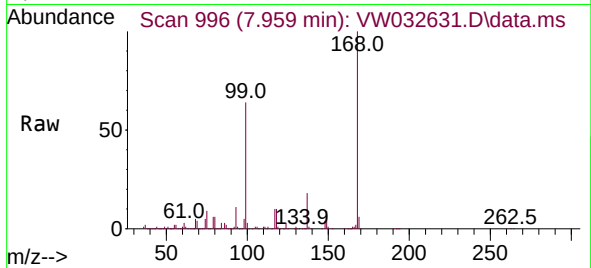




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

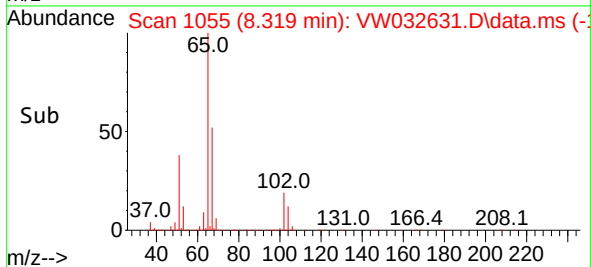
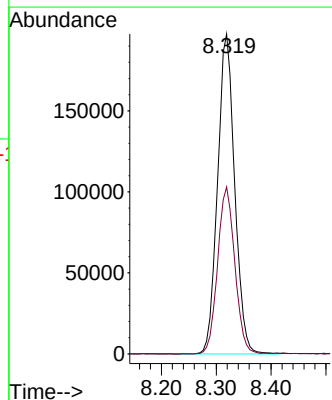
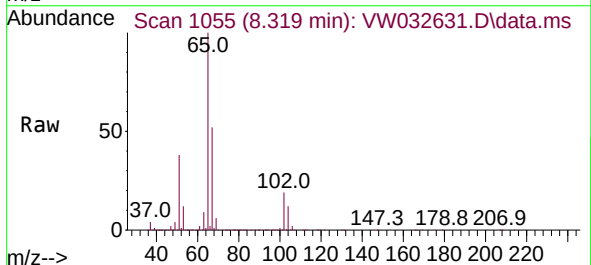
Instrument :
MSVOA_W
ClientSampleId :
TP-14

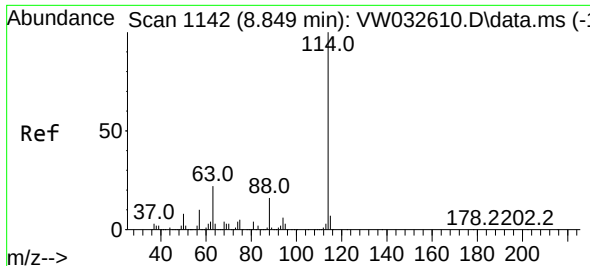
Tgt Ion:168 Resp: 416091
Ion Ratio Lower Upper
168 100
99 63.6 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 64.302 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion: 65 Resp: 427561
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6

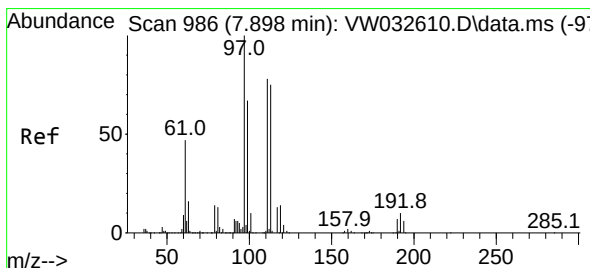
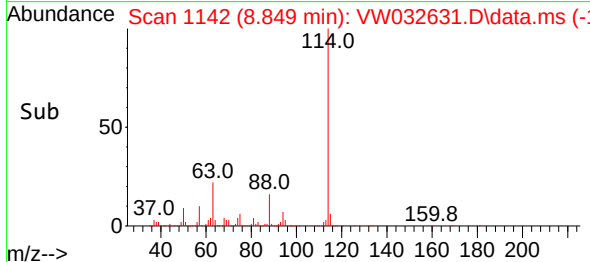
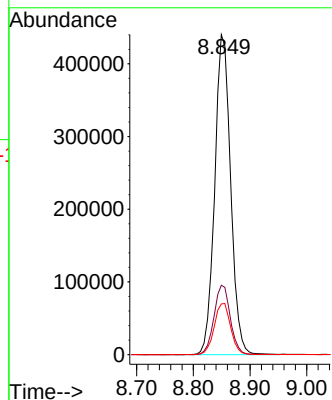
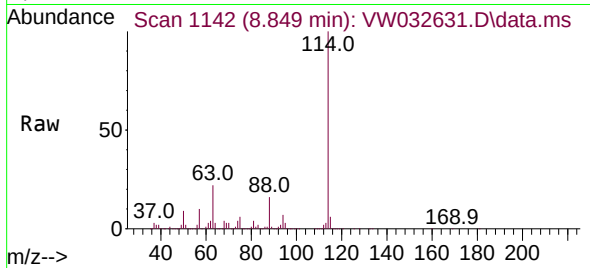




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

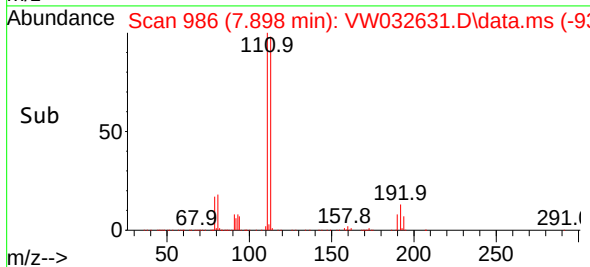
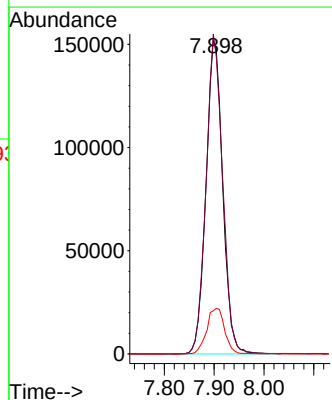
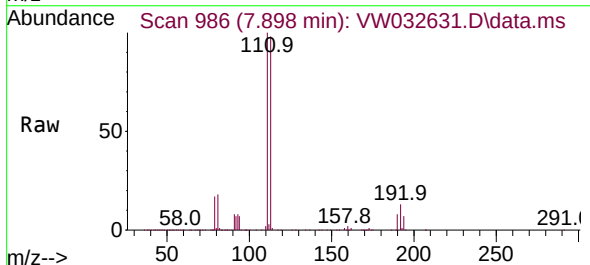
Instrument :
MSVOA_W
ClientSampleId :
TP-14

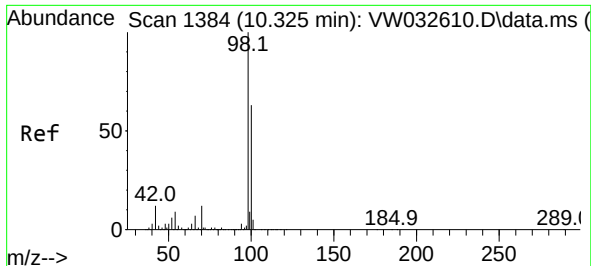
Tgt Ion:114 Resp: 858178
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 57.434 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion:113 Resp: 354489
Ion Ratio Lower Upper
113 100
111 101.3 85.2 127.8
192 15.6 13.3 19.9

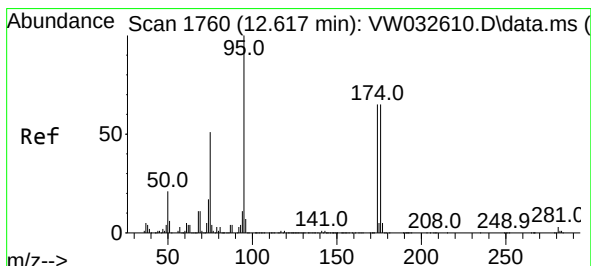
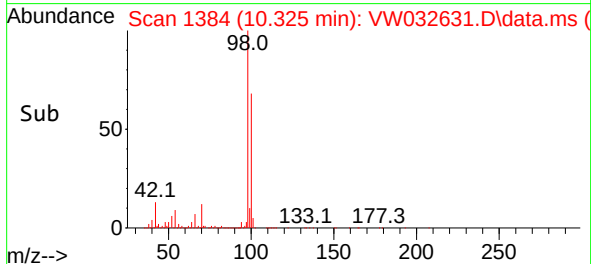
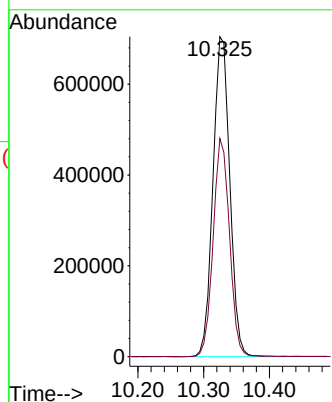
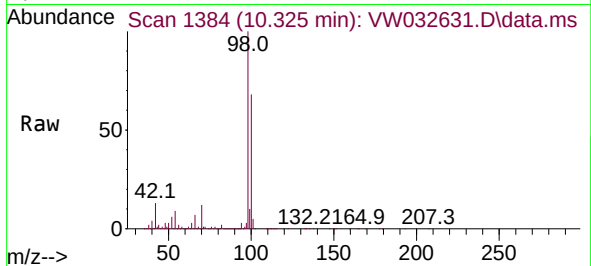




#50
Toluene-d8
Concen: 56.585 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

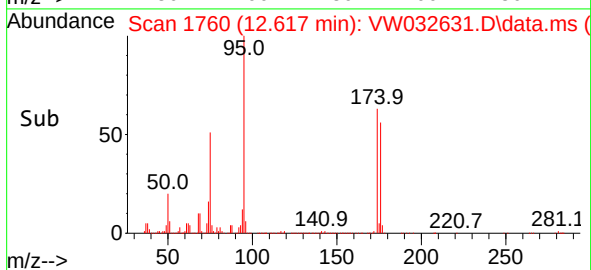
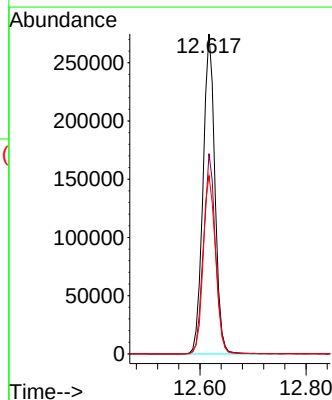
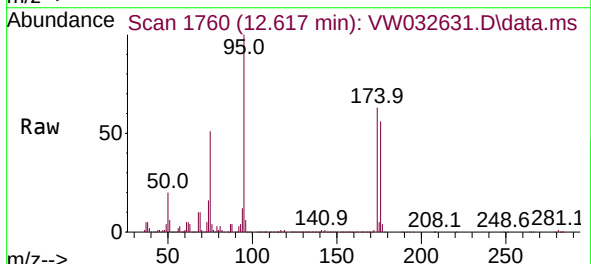
Instrument :
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TP-14

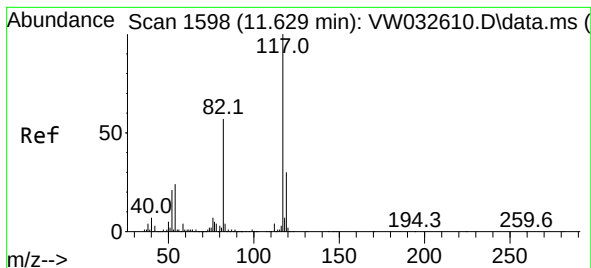
Tgt Ion: 98 Resp: 1246228
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 52.680 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion: 95 Resp: 425969
Ion Ratio Lower Upper
95 100
174 63.2 0.0 135.0
176 58.1 0.0 123.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032631.D

Acq: 11 Dec 2025 14:38

Instrument :

MSVOA_W

ClientSampleId :

TP-14

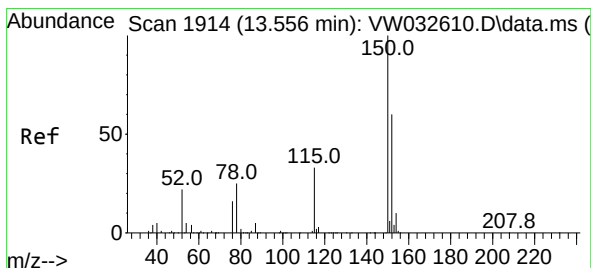
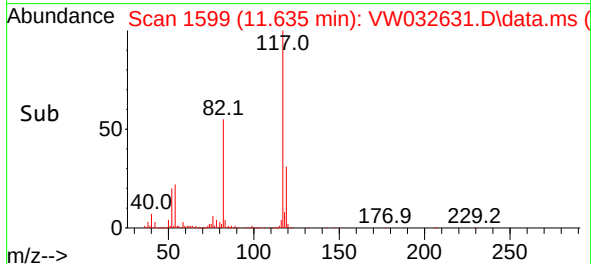
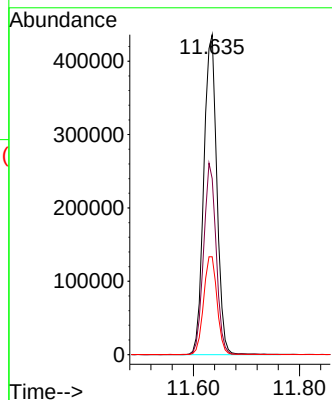
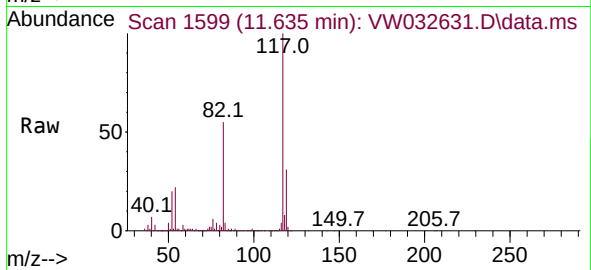
Tgt Ion:117 Resp: 742100

Ion Ratio Lower Upper

117 100

82 55.0 45.5 68.3

119 30.6 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: VW032631.D

Acq: 11 Dec 2025 14:38

Tgt Ion:152 Resp: 309671

Ion Ratio Lower Upper

152 100

115 63.1 33.8 101.3

150 156.7 0.0 369.4

