

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032578.D
 Acq On : 05 Dec 2025 14:27
 Operator : SY/MD
 Sample : Q3784-04
 Misc : 5.96g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

Quant Time: Dec 05 23:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	566339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	1067394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	939458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	453443	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	403320	47.854	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.700%
35) Dibromofluoromethane	7.904	113	317637	45.220	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.440%
50) Toluene-d8	10.325	98	1214709	45.958	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.617	95	444248	45.493	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.980%

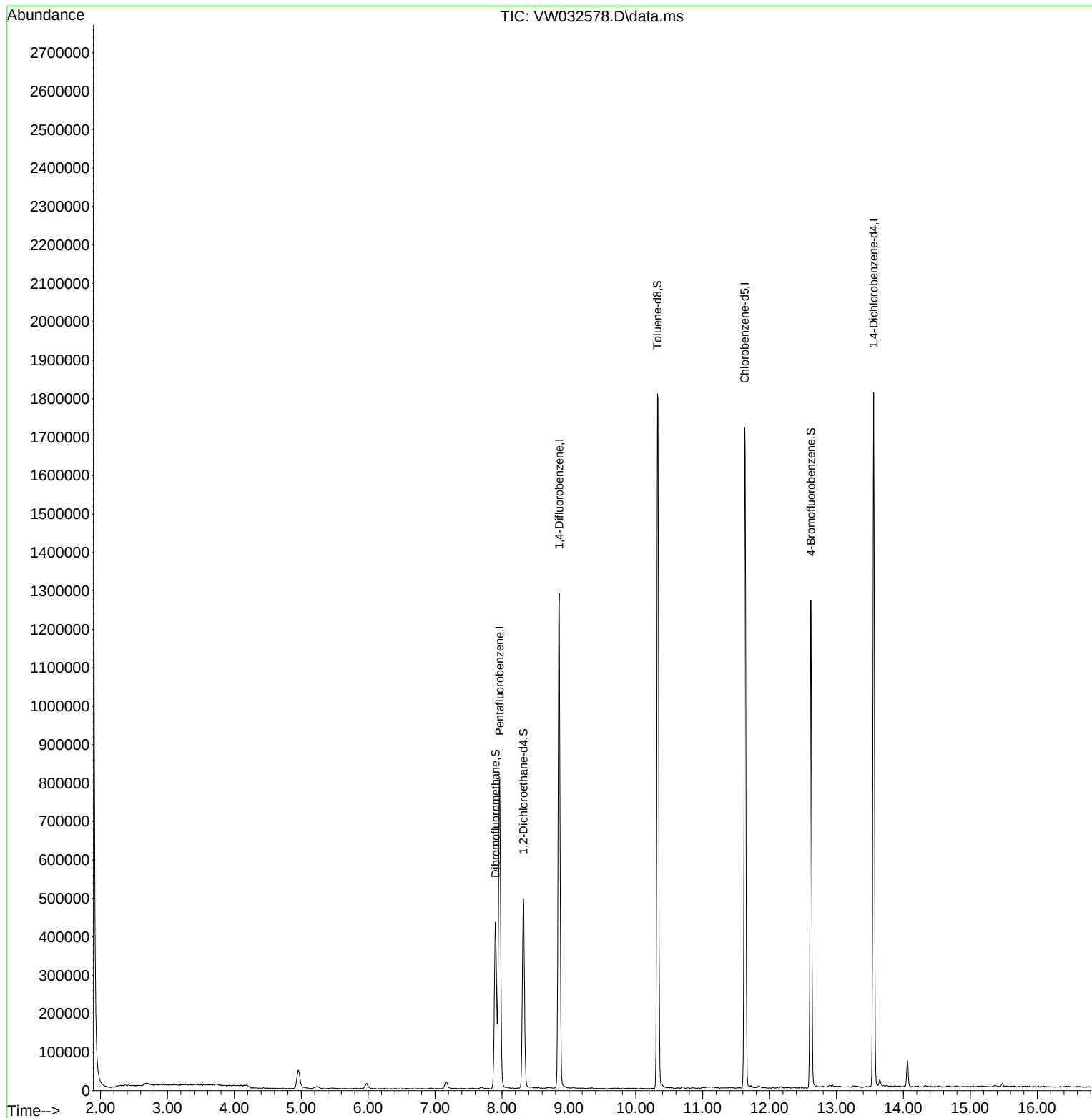
Target Compounds	Qvalue

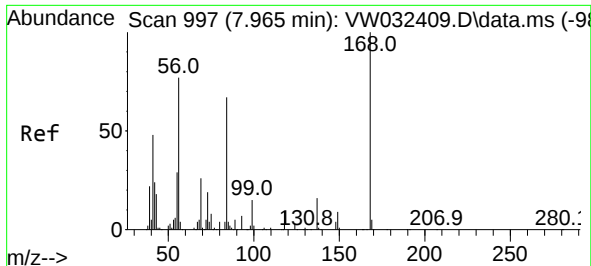
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
Data File : VW032578.D
Acq On : 05 Dec 2025 14:27
Operator : SY/MD
Sample : Q3784-04
Misc : 5.96g/5mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Quant Time: Dec 05 23:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

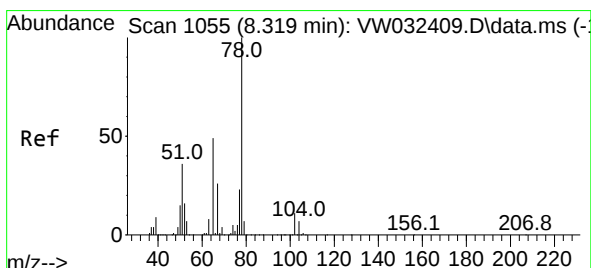
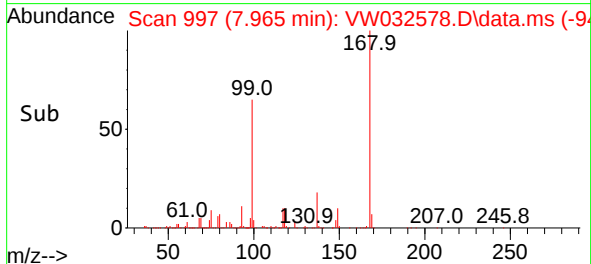
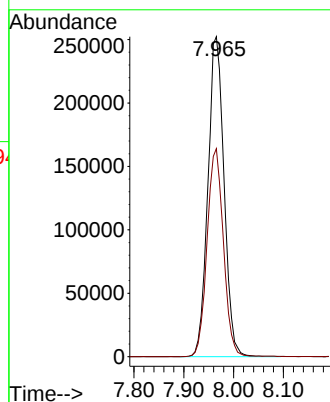
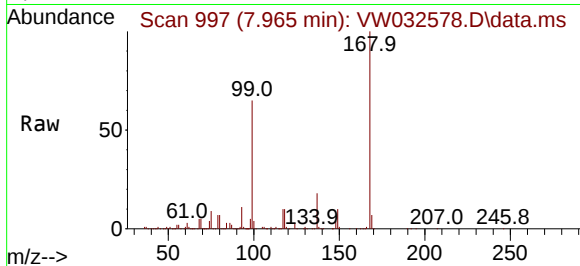




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

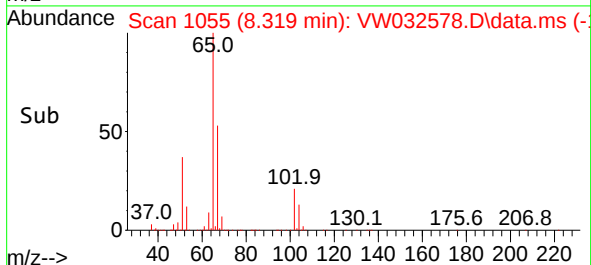
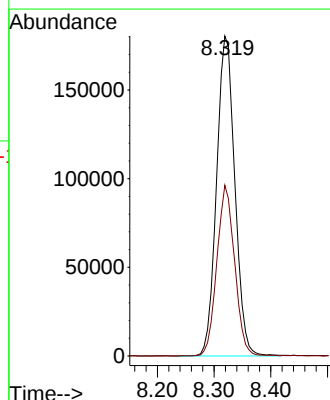
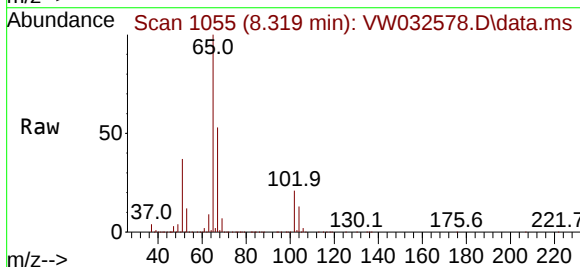
Instrument :
MSVOA_W
ClientSampleId :
SB4A

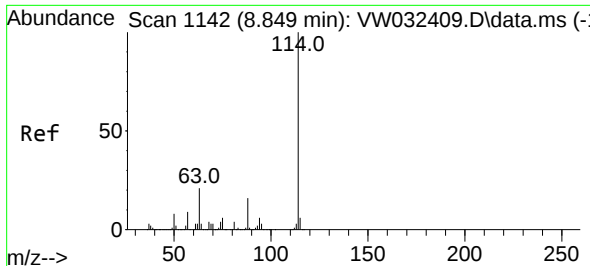
Tgt Ion:168 Resp: 566339
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 47.854 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 65 Resp: 403320
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

Instrument :

MSVOA_W

ClientSampleId :

SB4A

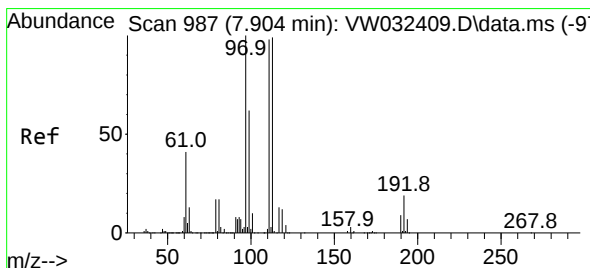
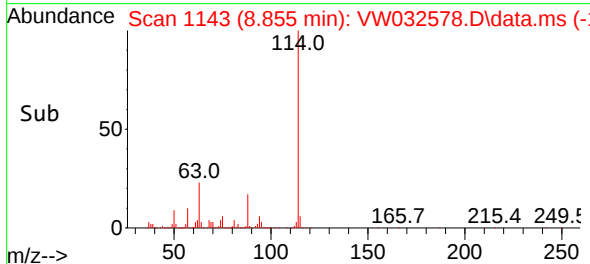
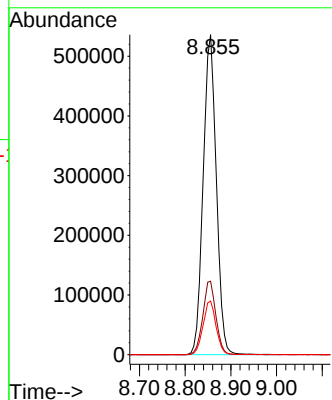
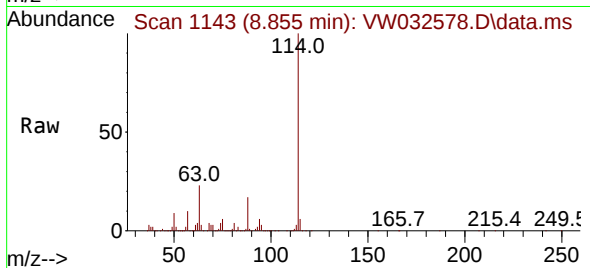
Tgt Ion:114 Resp: 1067394

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.6

88 16.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 45.220 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

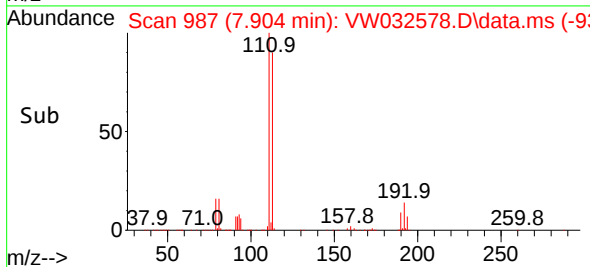
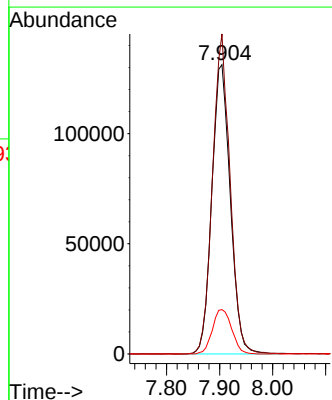
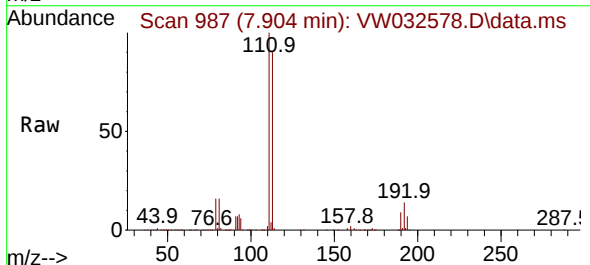
Tgt Ion:113 Resp: 317637

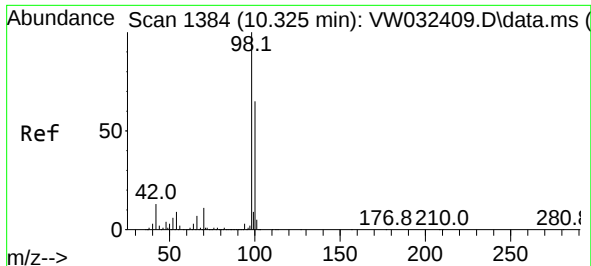
Ion Ratio Lower Upper

113 100

111 105.1 83.4 125.0

192 16.0 13.4 20.2

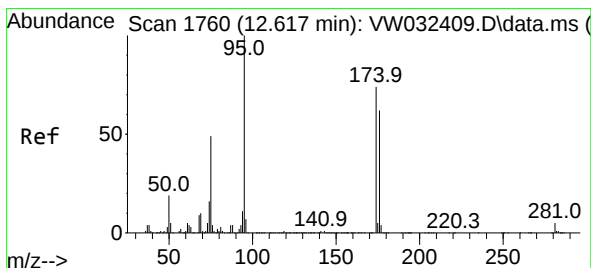
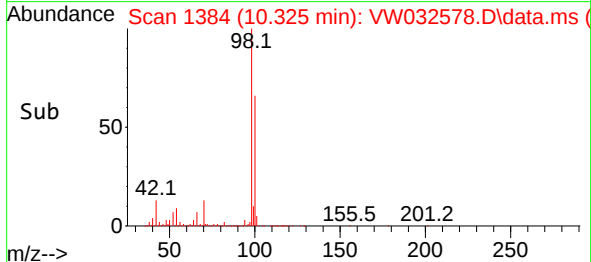
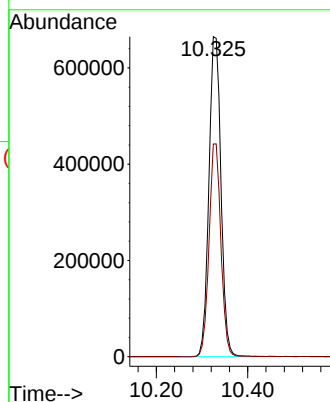
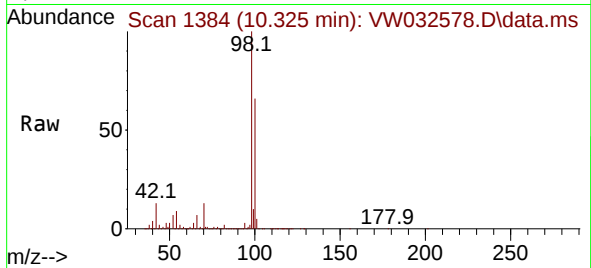




#50
Toluene-d8
Concen: 45.958 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

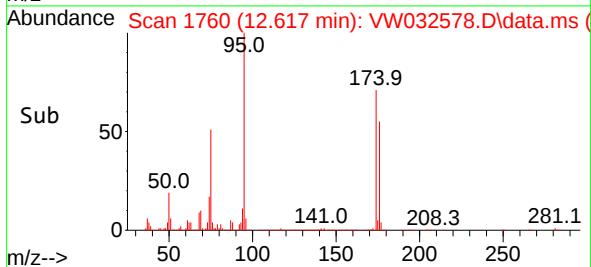
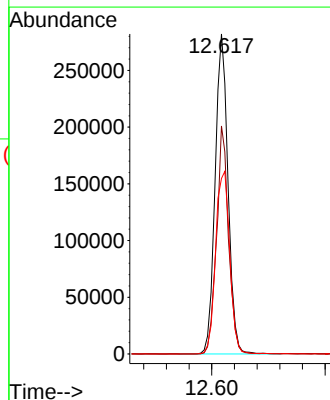
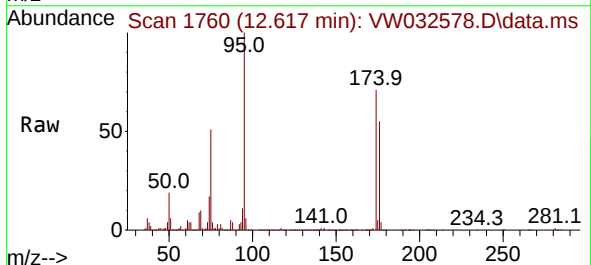
Instrument :
MSVOA_W
ClientSampleId :
SB4A

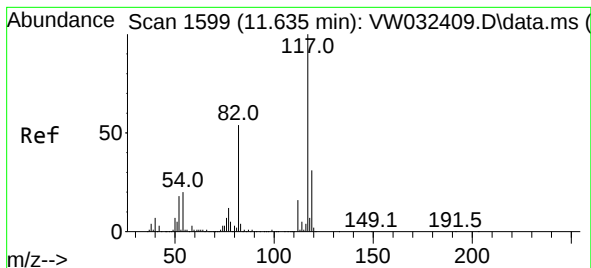
Tgt Ion: 98 Resp: 1214709
Ion Ratio Lower Upper
98 100
100 65.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 45.493 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 95 Resp: 444248
Ion Ratio Lower Upper
95 100
174 66.2 0.0 141.2
176 62.9 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

Instrument :

MSVOA_W

ClientSampleId :

SB4A

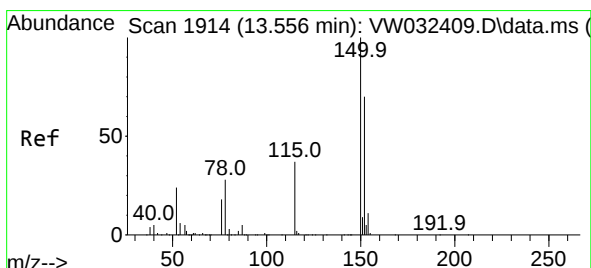
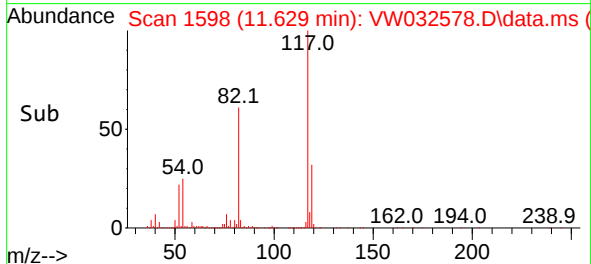
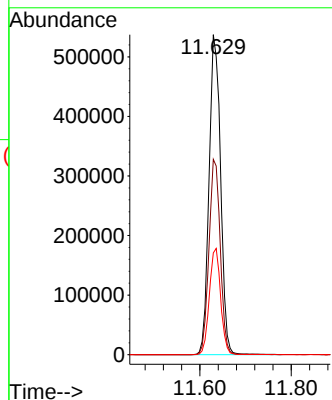
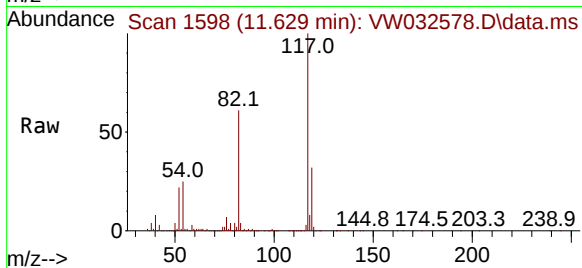
Tgt Ion:117 Resp: 939458

Ion Ratio Lower Upper

117 100

82 61.0 45.9 68.9

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

Tgt Ion:152 Resp: 453443

Ion Ratio Lower Upper

152 100

115 62.7 31.1 93.3

150 155.8 0.0 351.2

