

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032238.D
 Acq On : 23 Sep 2025 14:25
 Operator : SY/MD
 Sample : Q3167-01
 Misc : 3.70g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT4784

Quant Time: Sep 24 03:47:31 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	140800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	278284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	281729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	124567	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	120592	59.888	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.780%
35) Dibromofluoromethane	7.898	113	105324	53.945	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.900%
50) Toluene-d8	10.325	98	367606	53.634	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.260%
62) 4-Bromofluorobenzene	12.617	95	112275	44.299	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.600%

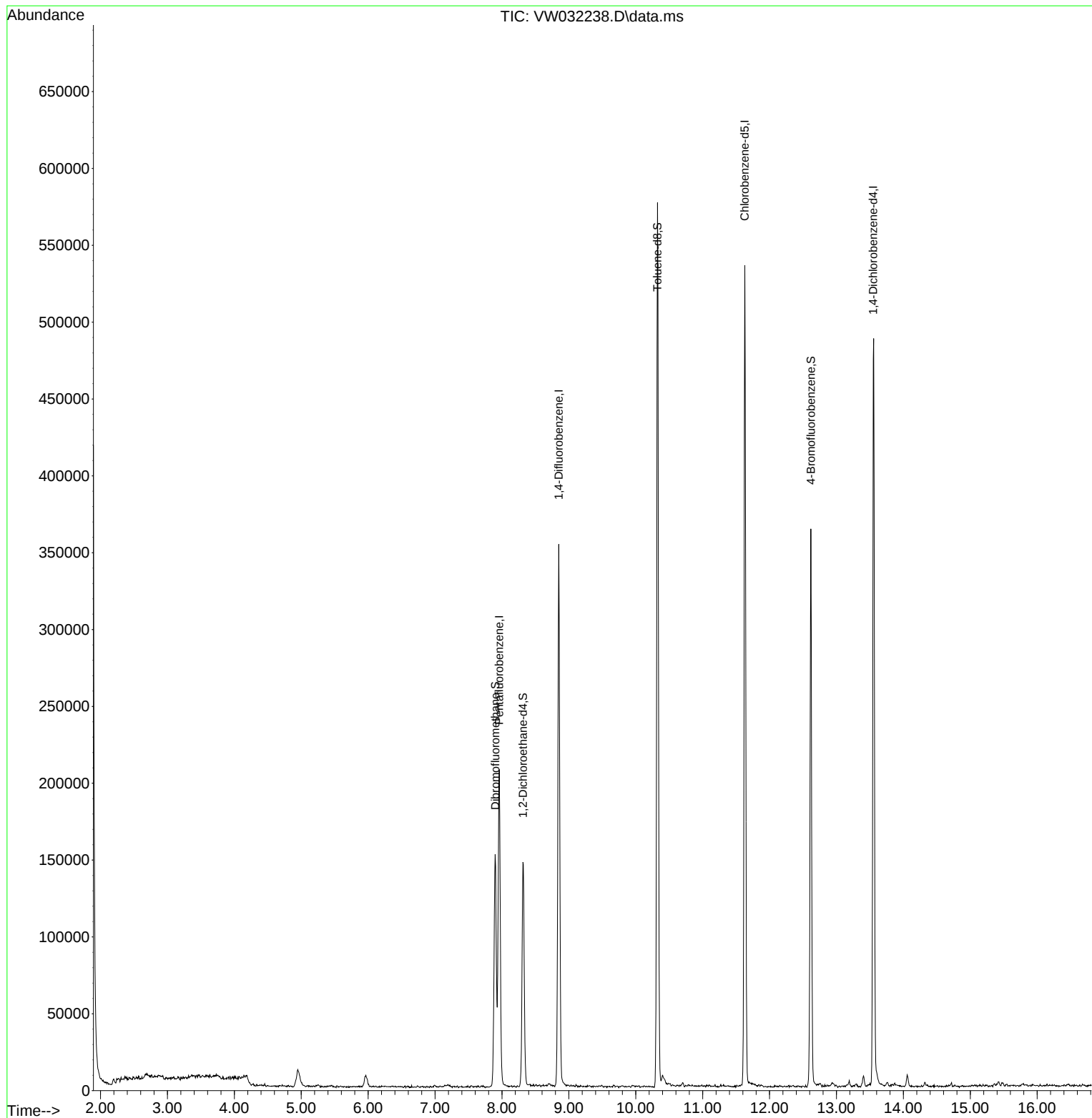
Target Compounds	Qvalue

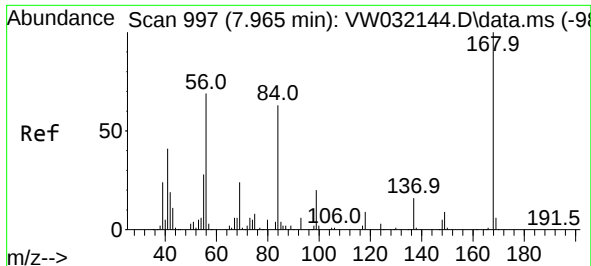
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
Data File : VW032238.D
Acq On : 23 Sep 2025 14:25
Operator : SY/MD
Sample : Q3167-01
Misc : 3.70g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RT4784

Quant Time: Sep 24 03:47:31 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

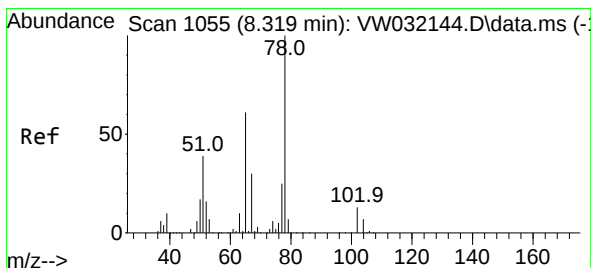
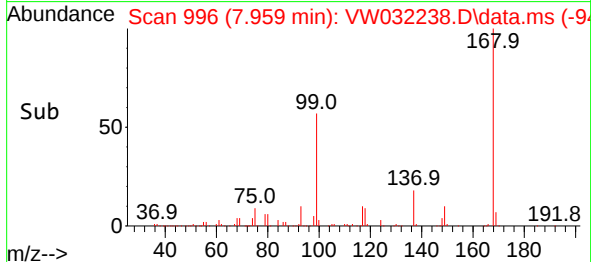
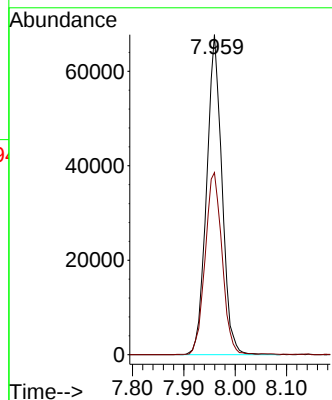
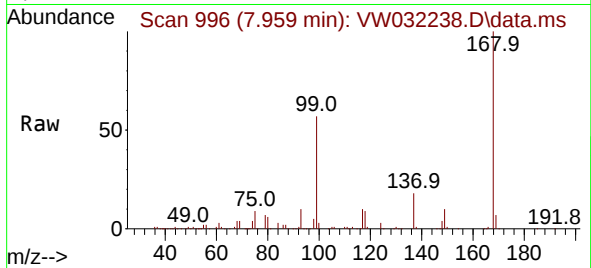




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

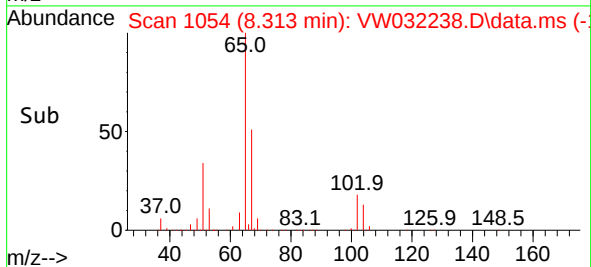
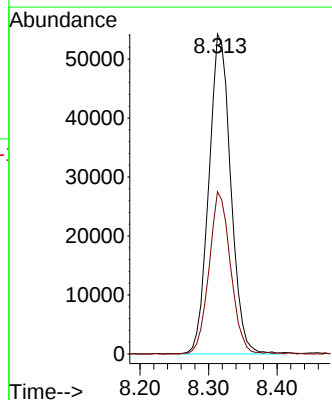
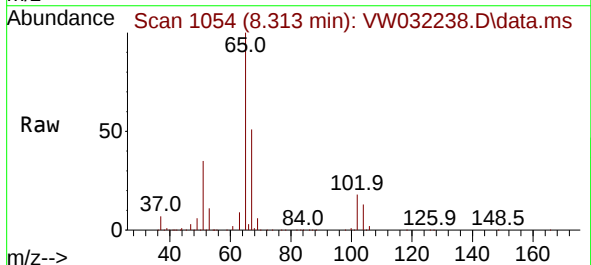
Instrument :
MSVOA_W
ClientSampleId :
RT4784

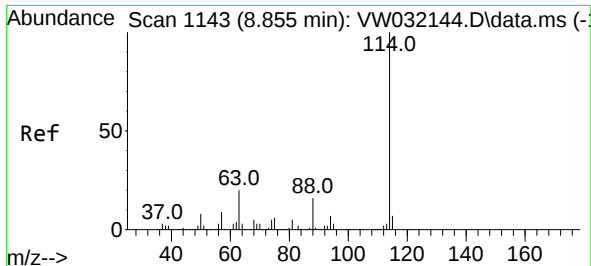
Tgt Ion:168 Resp: 140800
Ion Ratio Lower Upper
168 100
99 56.8 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 59.888 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 65 Resp: 120592
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.6

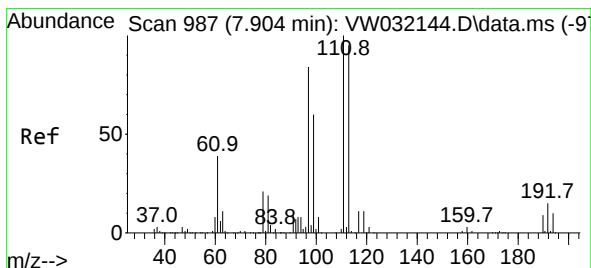
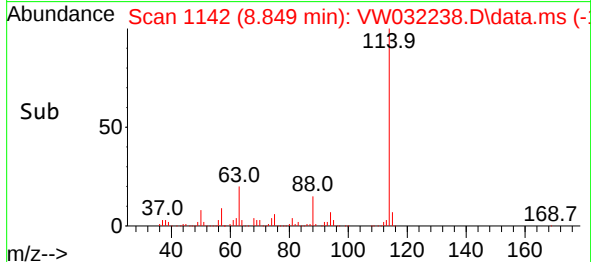
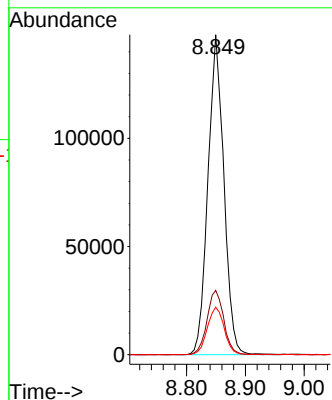
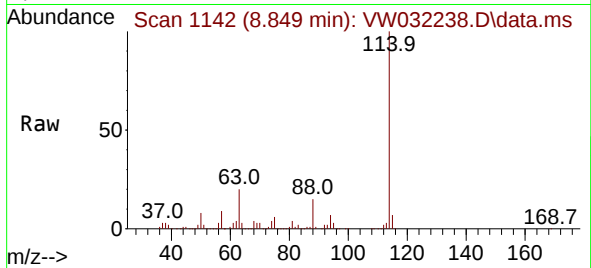




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

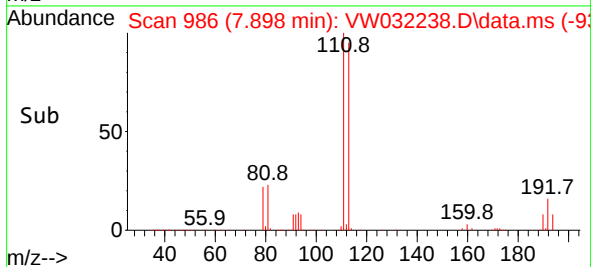
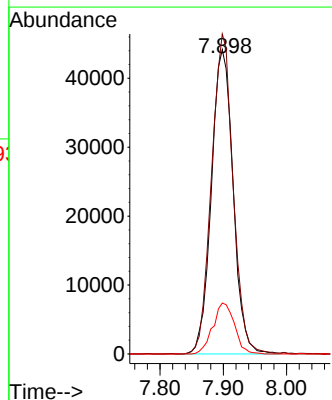
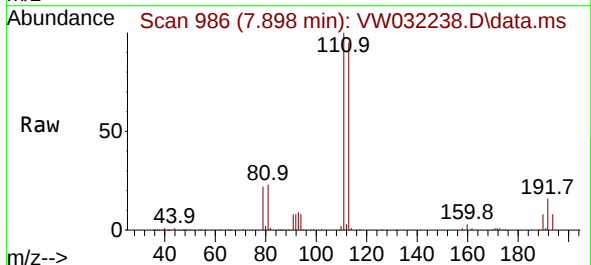
Instrument :
 MSVOA_W
 ClientSampleId :
 RT4784

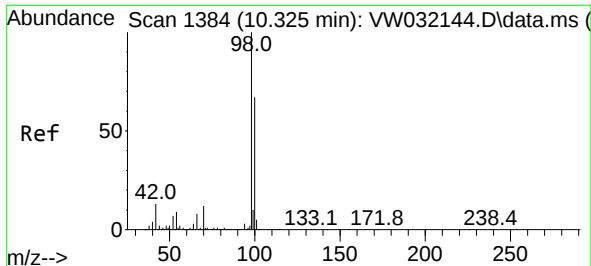
Tgt Ion:114	Resp:	278284
Ion	Ratio	Lower Upper
114	100	
63	20.1	0.0 40.4
88	14.8	0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.945 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032238.D
 Acq: 23 Sep 2025 14:25

Tgt Ion:113	Resp:	105324
Ion	Ratio	Lower Upper
113	100	
111	104.0	83.9 125.9
192	16.6	14.6 21.8

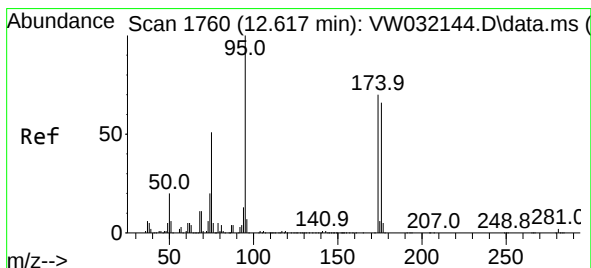
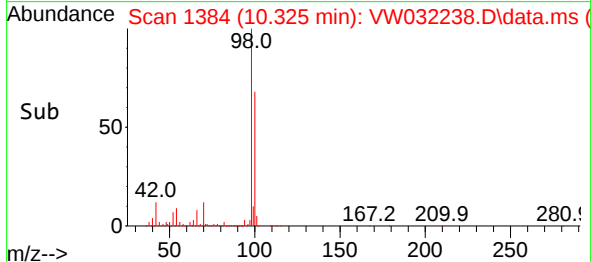
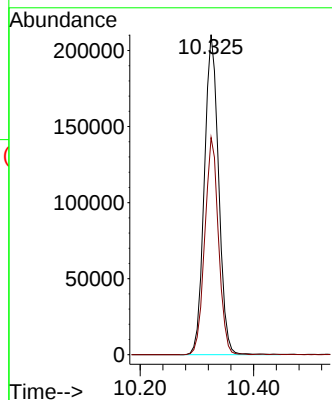
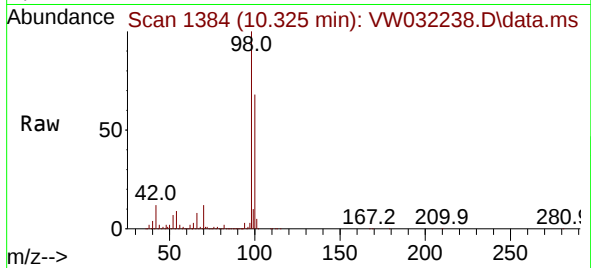




#50
Toluene-d8
Concen: 53.634 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

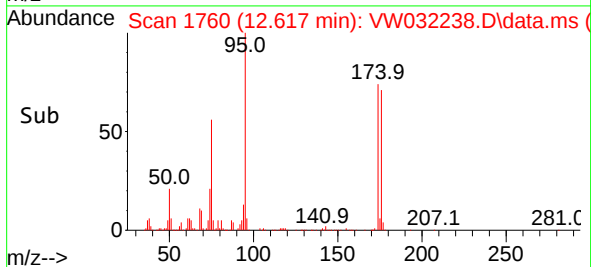
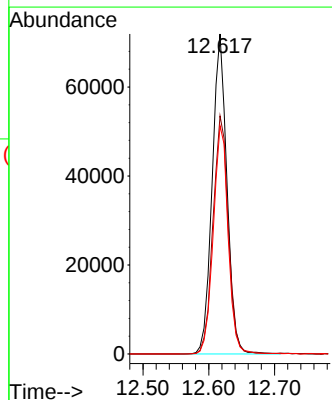
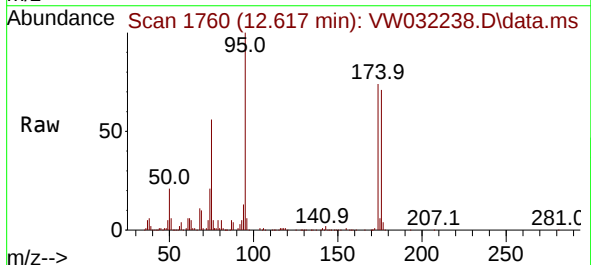
Instrument :
MSVOA_W
ClientSampleId :
RT4784

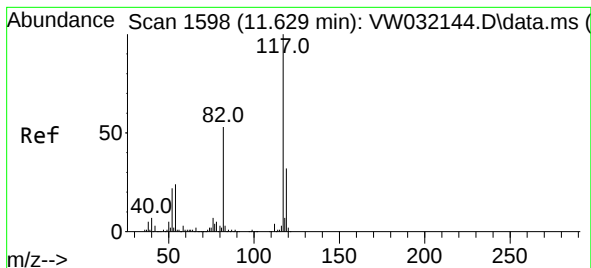
Tgt Ion: 98 Resp: 367606
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 44.299 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032238.D
Acq: 23 Sep 2025 14:25

Tgt Ion: 95 Resp: 112275
Ion Ratio Lower Upper
95 100
174 77.6 0.0 145.6
176 71.8 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032238.D

Acq: 23 Sep 2025 14:25

Instrument :

MSVOA_W

ClientSampleId :

RT4784

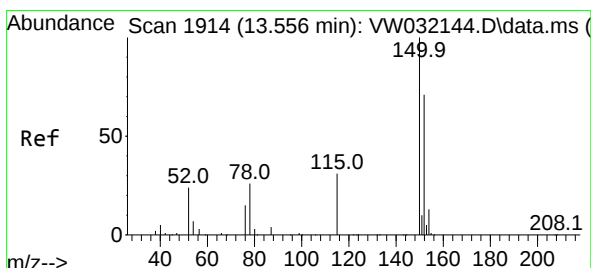
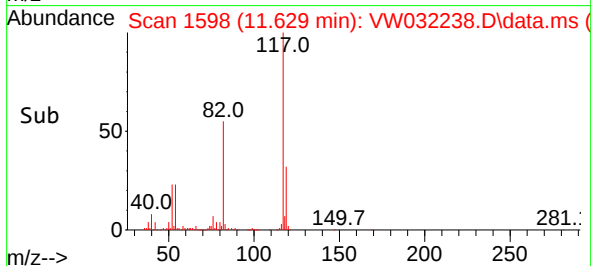
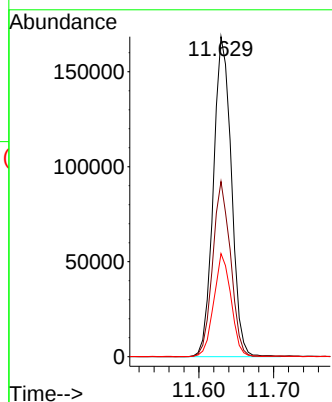
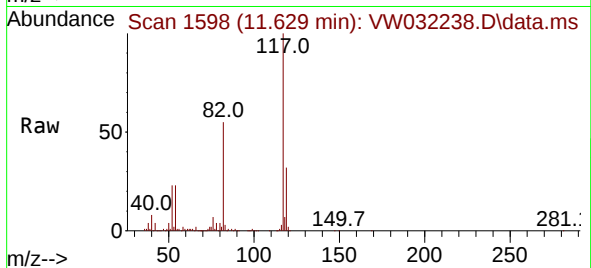
Tgt Ion:117 Resp: 281729

Ion Ratio Lower Upper

117 100

82 54.8 42.7 64.1

119 32.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032238.D

Acq: 23 Sep 2025 14:25

Tgt Ion:152 Resp: 124567

Ion Ratio Lower Upper

152 100

115 62.1 31.8 95.4

150 154.2 0.0 343.0

