

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032167.D
 Acq On : 15 Sep 2025 10:18
 Operator : SY/MD
 Sample : VW0915SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBL01

Quant Time: Sep 16 06:32:09 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	7.965	168	161635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	342419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	339175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132285	57.227	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.460%
35) Dibromofluoromethane	7.898	113	122957	51.181	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.360%
50) Toluene-d8	10.325	98	408510	48.439	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.617	95	150975	48.411	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.820%

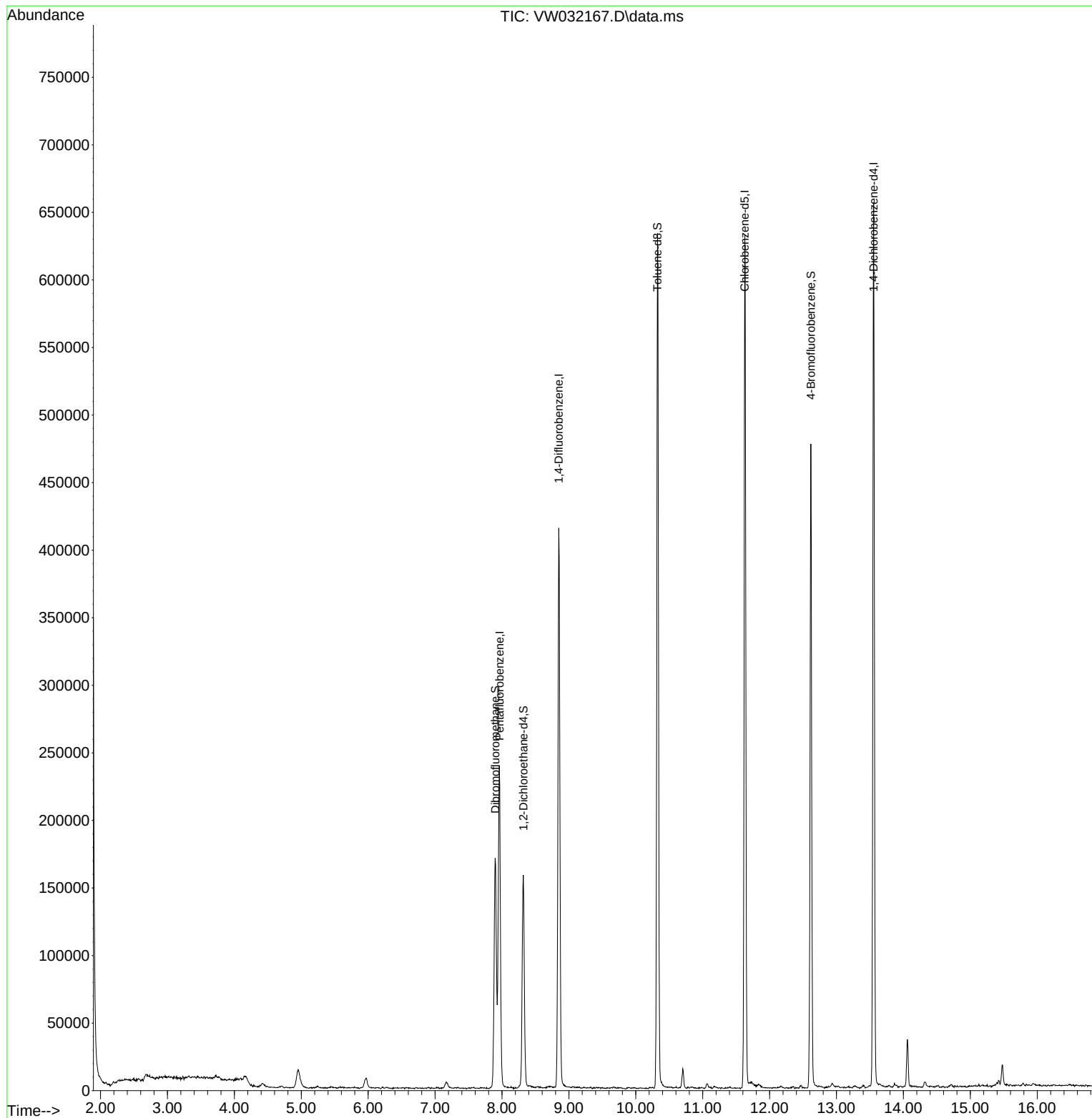
Target Compounds	Qvalue

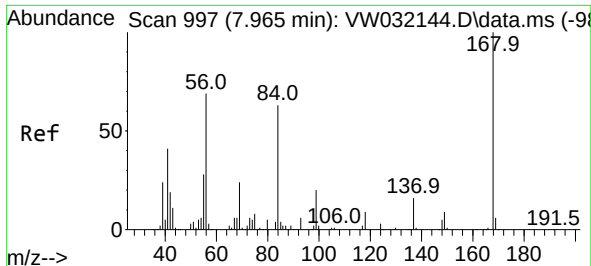
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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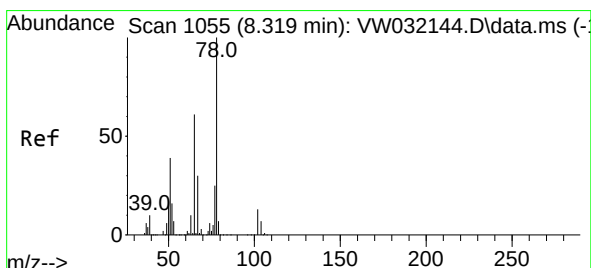
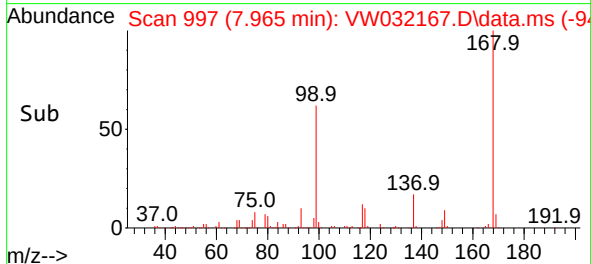
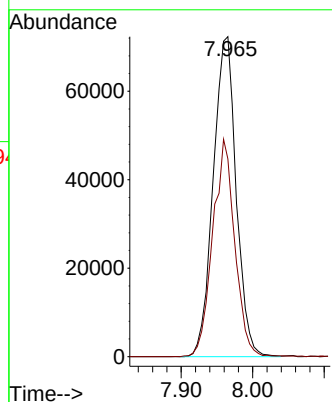
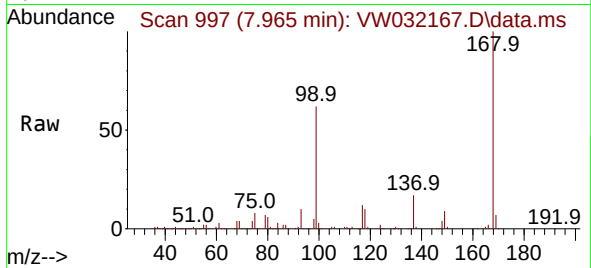




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

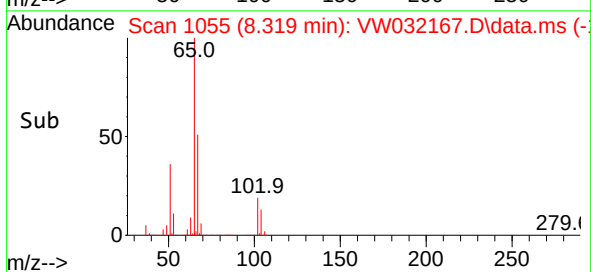
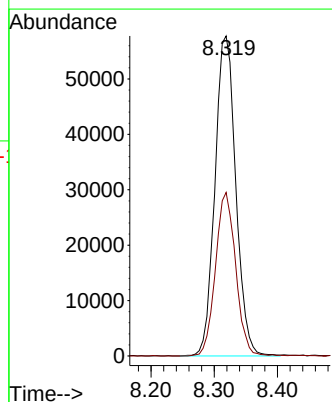
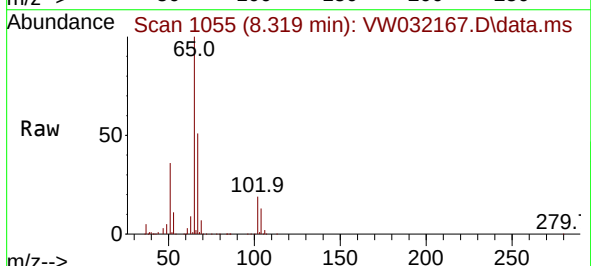
Instrument :
MSVOA_W
ClientSampleId :
VW0915SBL01

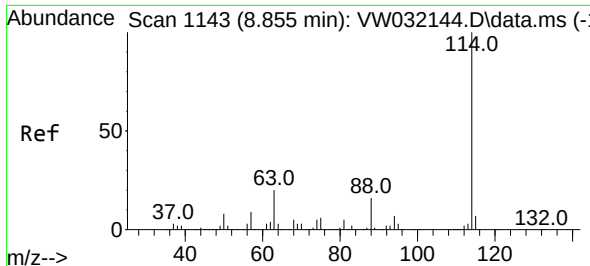
Tgt Ion:168 Resp: 161635
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 57.227 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

Tgt Ion: 65 Resp: 132285
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.6

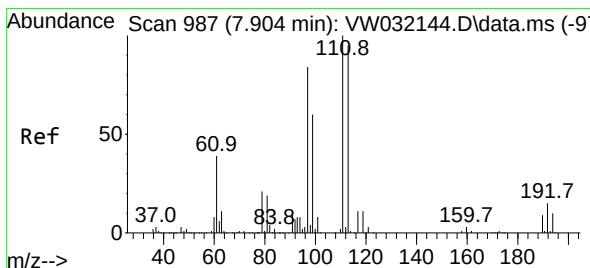
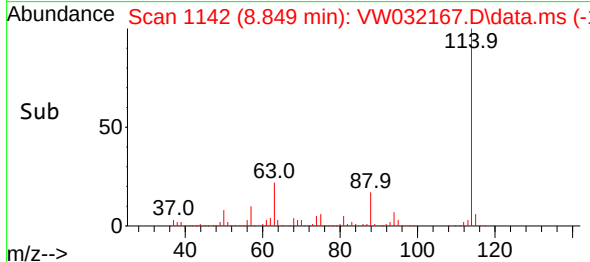
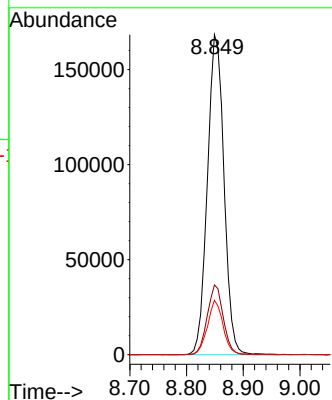
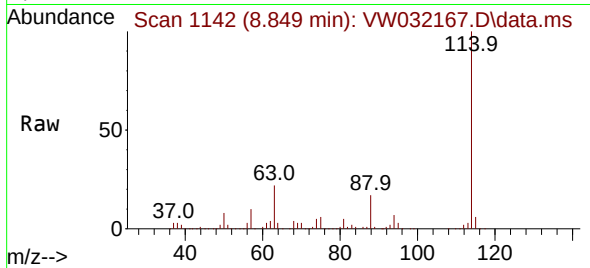




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

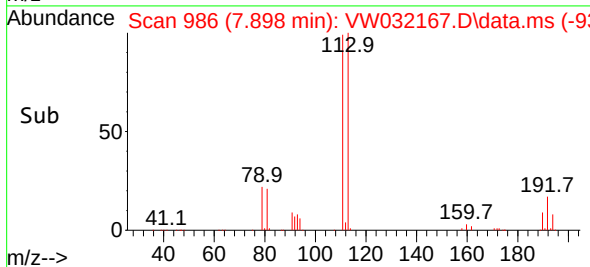
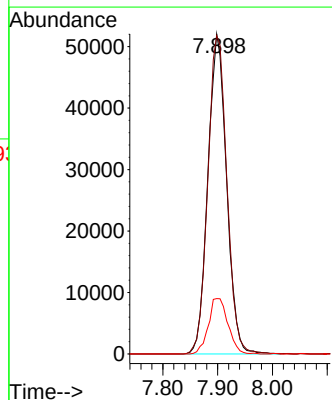
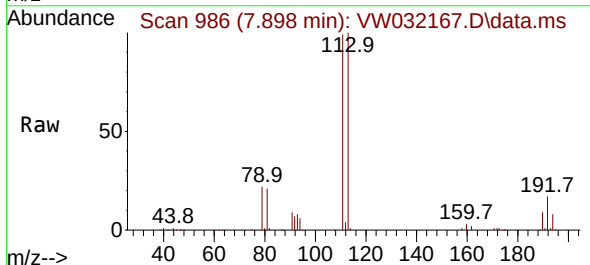
Instrument :
MSVOA_W
ClientSampleId :
VW0915SBL01

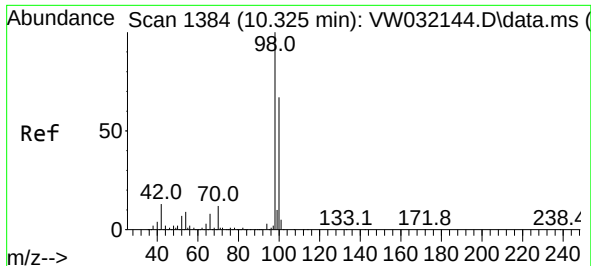
Tgt Ion:114 Resp: 342419
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.181 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

Tgt Ion:113 Resp: 122957
Ion Ratio Lower Upper
113 100
111 101.7 83.9 125.9
192 18.2 14.6 21.8

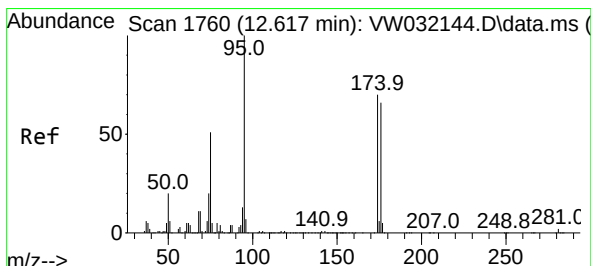
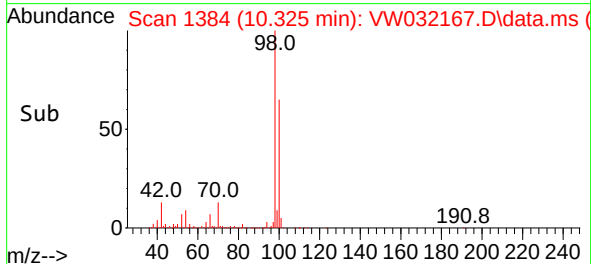
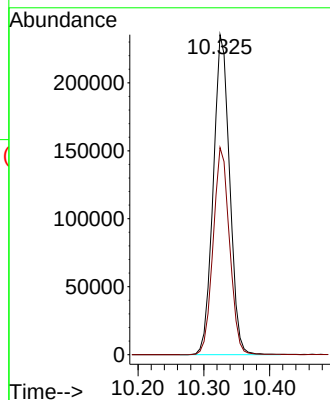
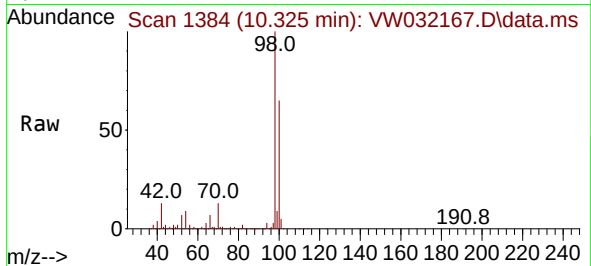




#50
Toluene-d8
Concen: 48.439 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

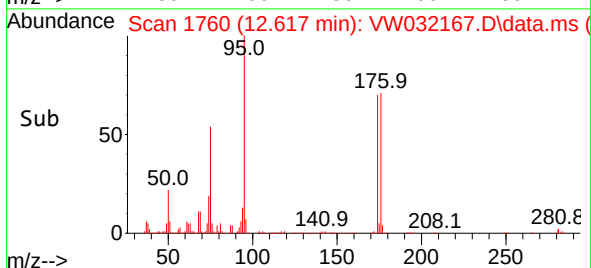
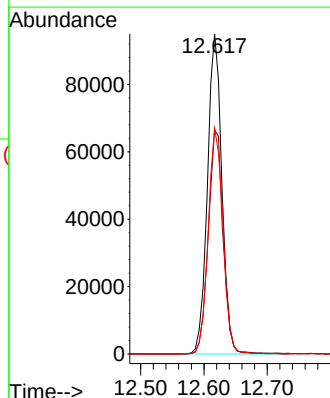
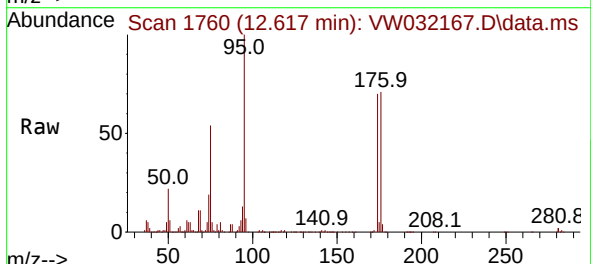
Instrument :
MSVOA_W
ClientSampleId :
VW0915SBL01

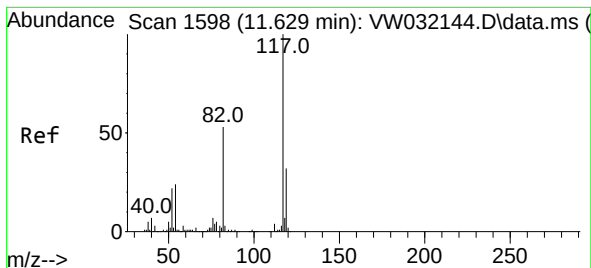
Tgt Ion: 98 Resp: 408510
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.411 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032167.D
Acq: 15 Sep 2025 10:18

Tgt Ion: 95 Resp: 150975
Ion Ratio Lower Upper
95 100
174 71.7 0.0 145.6
176 72.4 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VW032167.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBL01

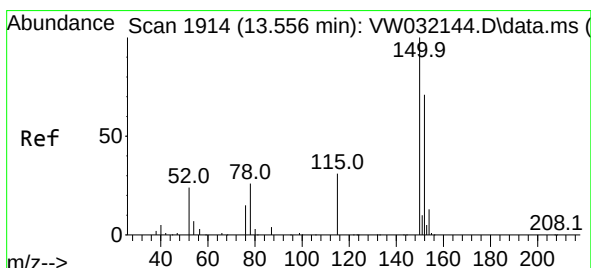
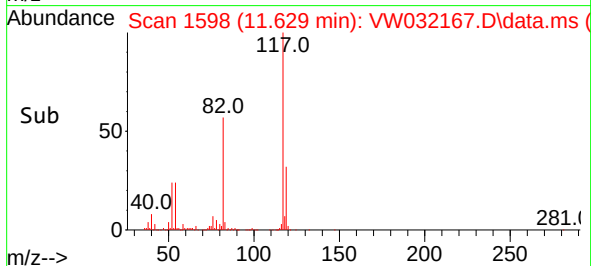
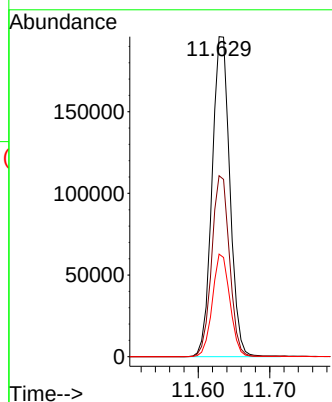
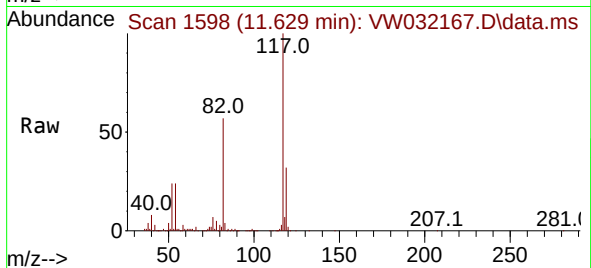
Tgt Ion:117 Resp: 339175

Ion Ratio Lower Upper

117 100

82 56.6 42.7 64.1

119 32.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032167.D

Acq: 15 Sep 2025 10:18

Tgt Ion:152 Resp: 166622

Ion Ratio Lower Upper

152 100

115 58.9 31.8 95.4

150 155.1 0.0 343.0

