

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032215.D
 Acq On : 19 Sep 2025 15:05
 Operator : SY/MD
 Sample : Q3155-03
 Misc : 5.09g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-3

Quant Time: Sep 19 23:10:52 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	145040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	318815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	319906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158309	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	115342	55.606	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	111.220%
35) Dibromofluoromethane	7.904	113	104827	46.865	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.740%
50) Toluene-d8	10.325	98	342264	43.588	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.180%
62) 4-Bromofluorobenzene	12.617	95	141681	48.795	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.580%

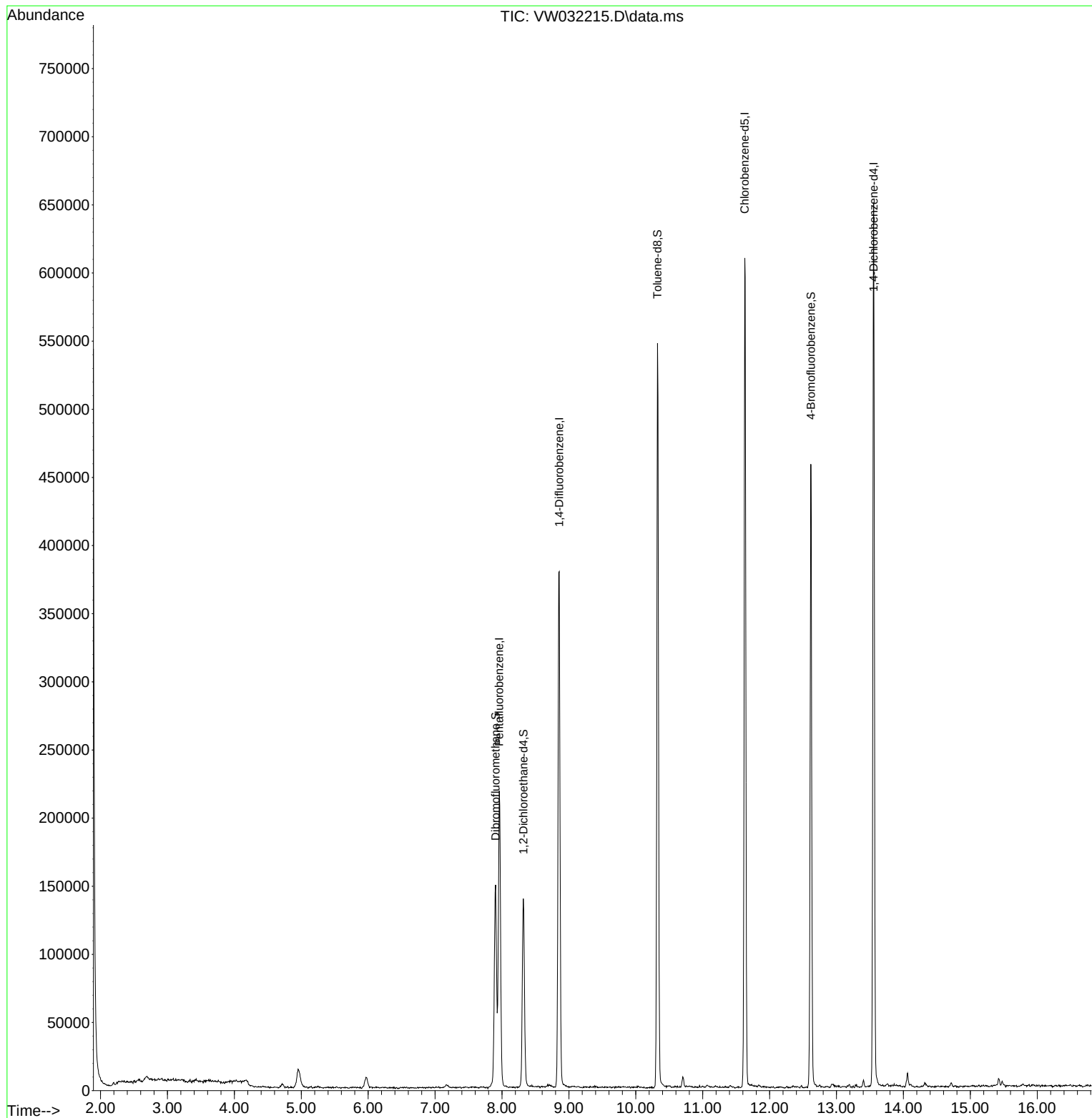
Target Compounds	Qvalue

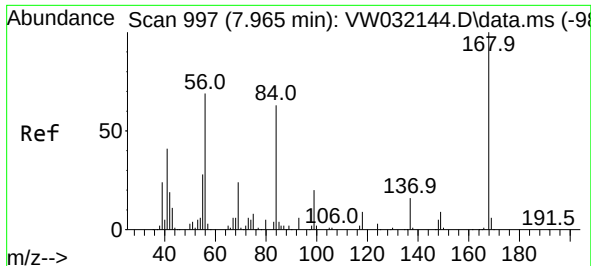
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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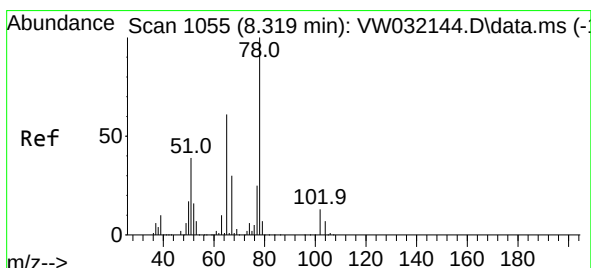
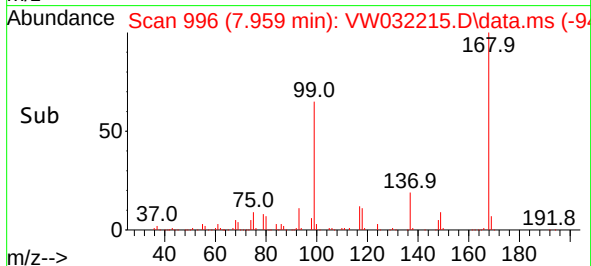
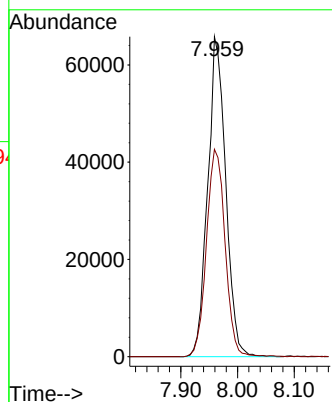
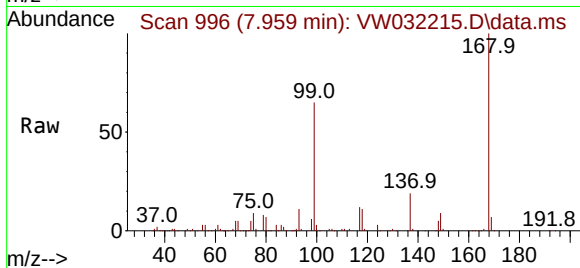




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032215.D
Acq: 19 Sep 2025 15:05

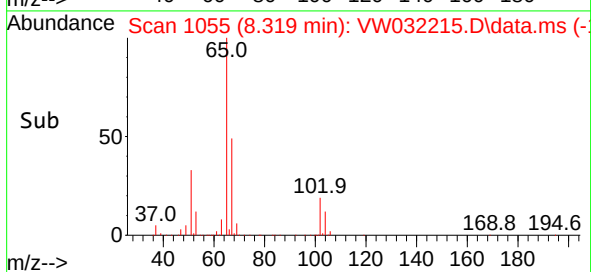
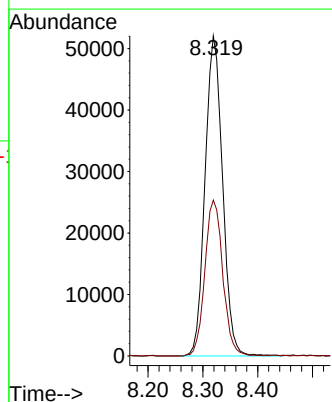
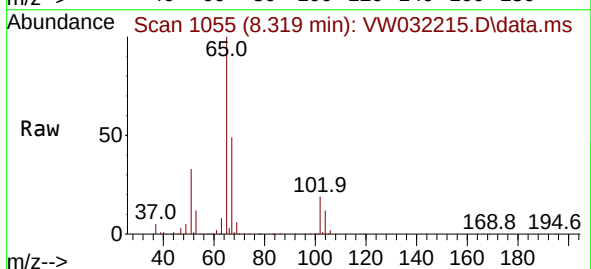
Instrument :
MSVOA_W
ClientSampleId :
COMP-3

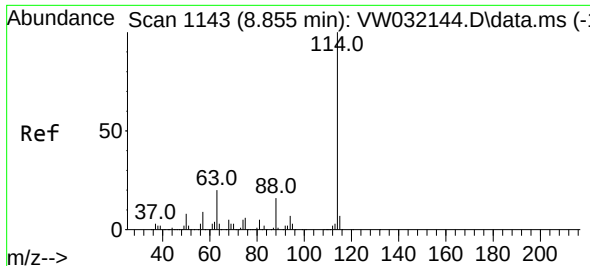
Tgt Ion:168 Resp: 145040
Ion Ratio Lower Upper
168 100
99 64.8 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 55.606 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032215.D
Acq: 19 Sep 2025 15:05

Tgt Ion: 65 Resp: 115342
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.6

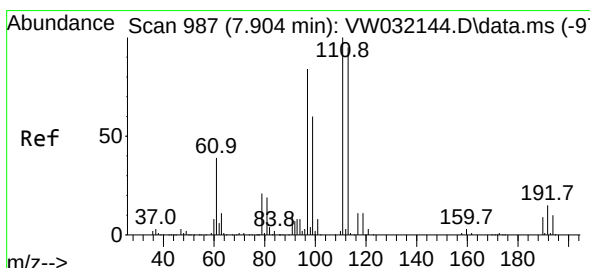
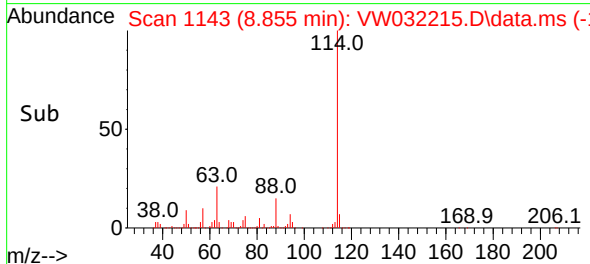
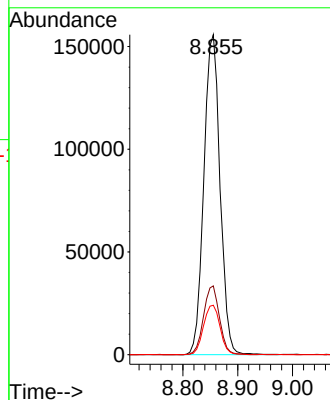
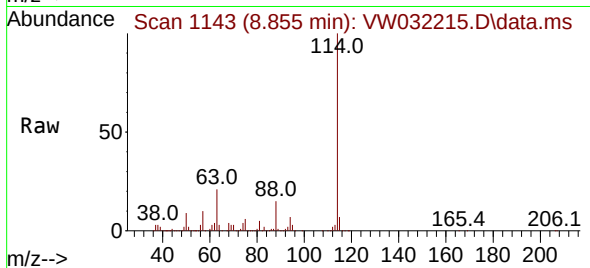




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032215.D
 Acq: 19 Sep 2025 15:05

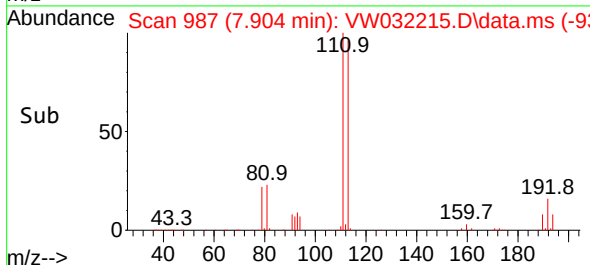
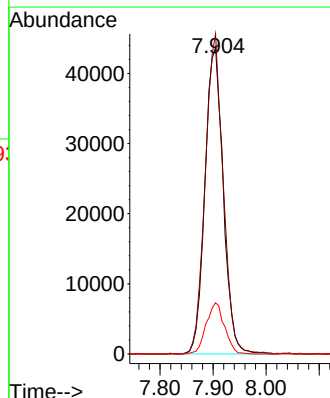
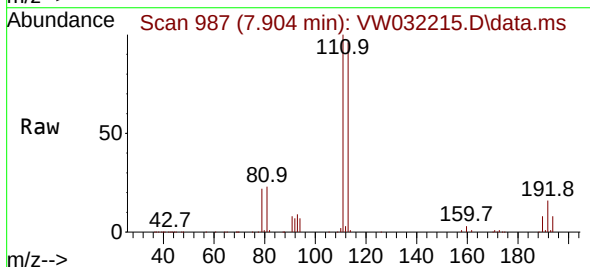
Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-3

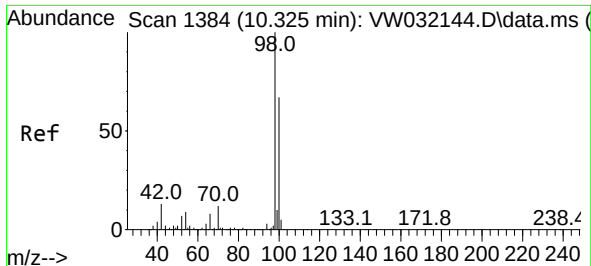
Tgt Ion:	114	Resp:	318815
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.4
88	15.5	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 46.865 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032215.D
 Acq: 19 Sep 2025 15:05

Tgt Ion:	113	Resp:	104827
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.9	125.9
192	16.7	14.6	21.8

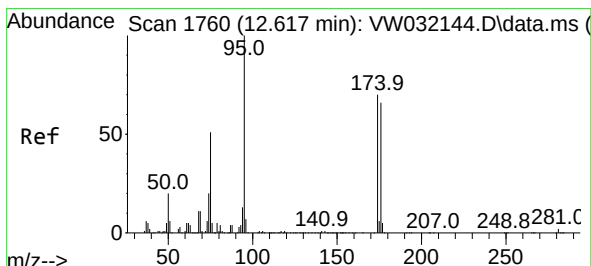
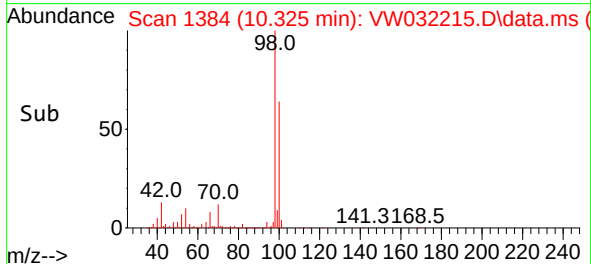
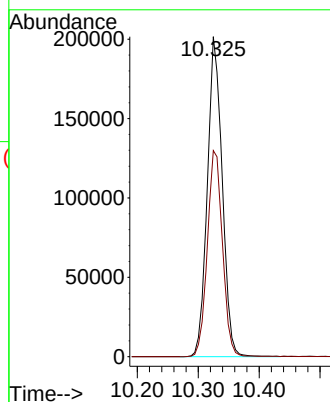
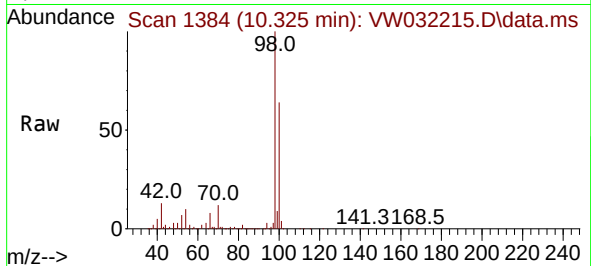




#50
Toluene-d8
Concen: 43.588 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032215.D
Acq: 19 Sep 2025 15:05

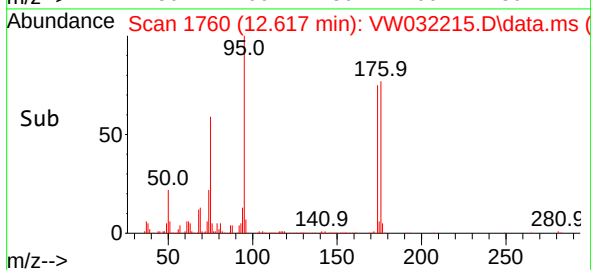
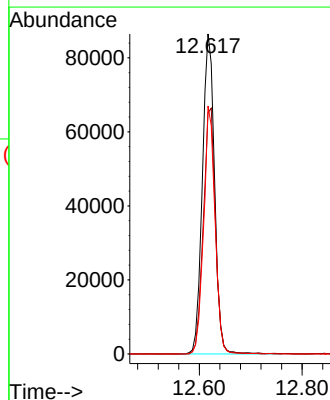
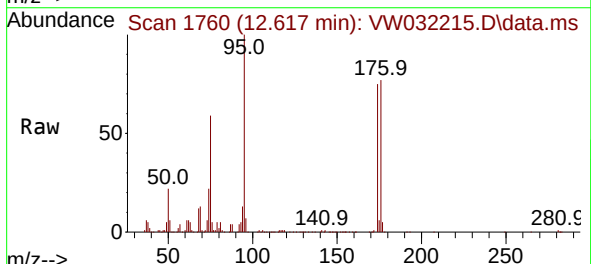
Instrument :
MSVOA_W
ClientSampleId :
COMP-3

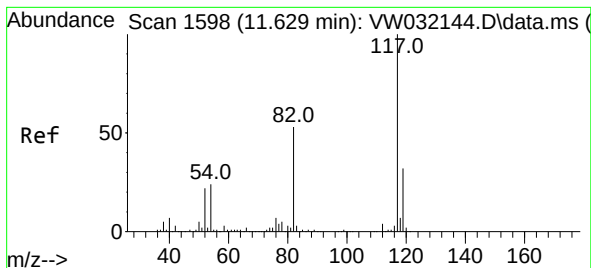
Tgt Ion: 98 Resp: 342264
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.795 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032215.D
Acq: 19 Sep 2025 15:05

Tgt Ion: 95 Resp: 141681
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.6
176 72.8 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: VW032215.D

Acq: 19 Sep 2025 15:05

Instrument :

MSVOA_W

ClientSampleId :

COMP-3

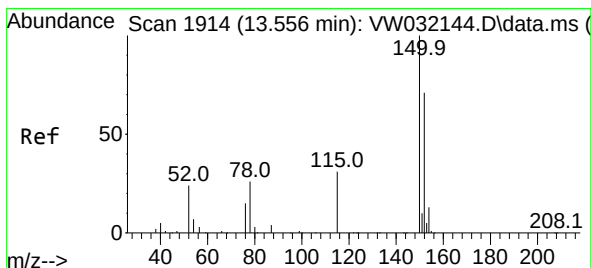
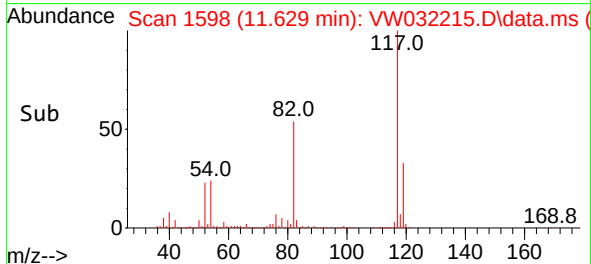
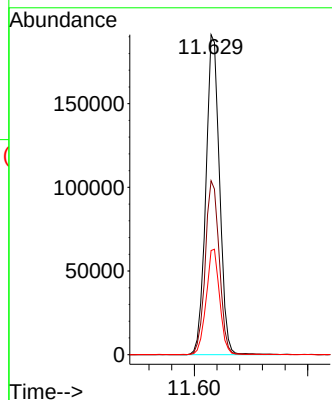
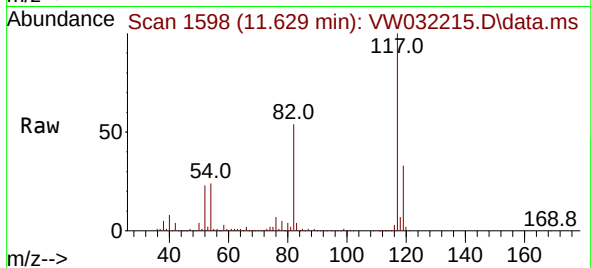
Tgt Ion:117 Resp: 319906

Ion Ratio Lower Upper

117 100

82 54.3 42.7 64.1

119 32.5 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: VW032215.D

Acq: 19 Sep 2025 15:05

Tgt Ion:152 Resp: 158309

Ion Ratio Lower Upper

152 100

115 64.2 31.8 95.4

150 155.3 0.0 343.0

