

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031916.D
 Acq On : 24 Jul 2025 08:49
 Operator : SY/MD
 Sample : VW0724SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBL01

Quant Time: Jul 25 03:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	191425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	397023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	149080	51.482	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.960%
35) Dibromofluoromethane	7.898	113	130407	48.338	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.680%
50) Toluene-d8	10.325	98	462588	45.306	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.620%
62) 4-Bromofluorobenzene	12.617	95	171687	43.791	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	87.580%

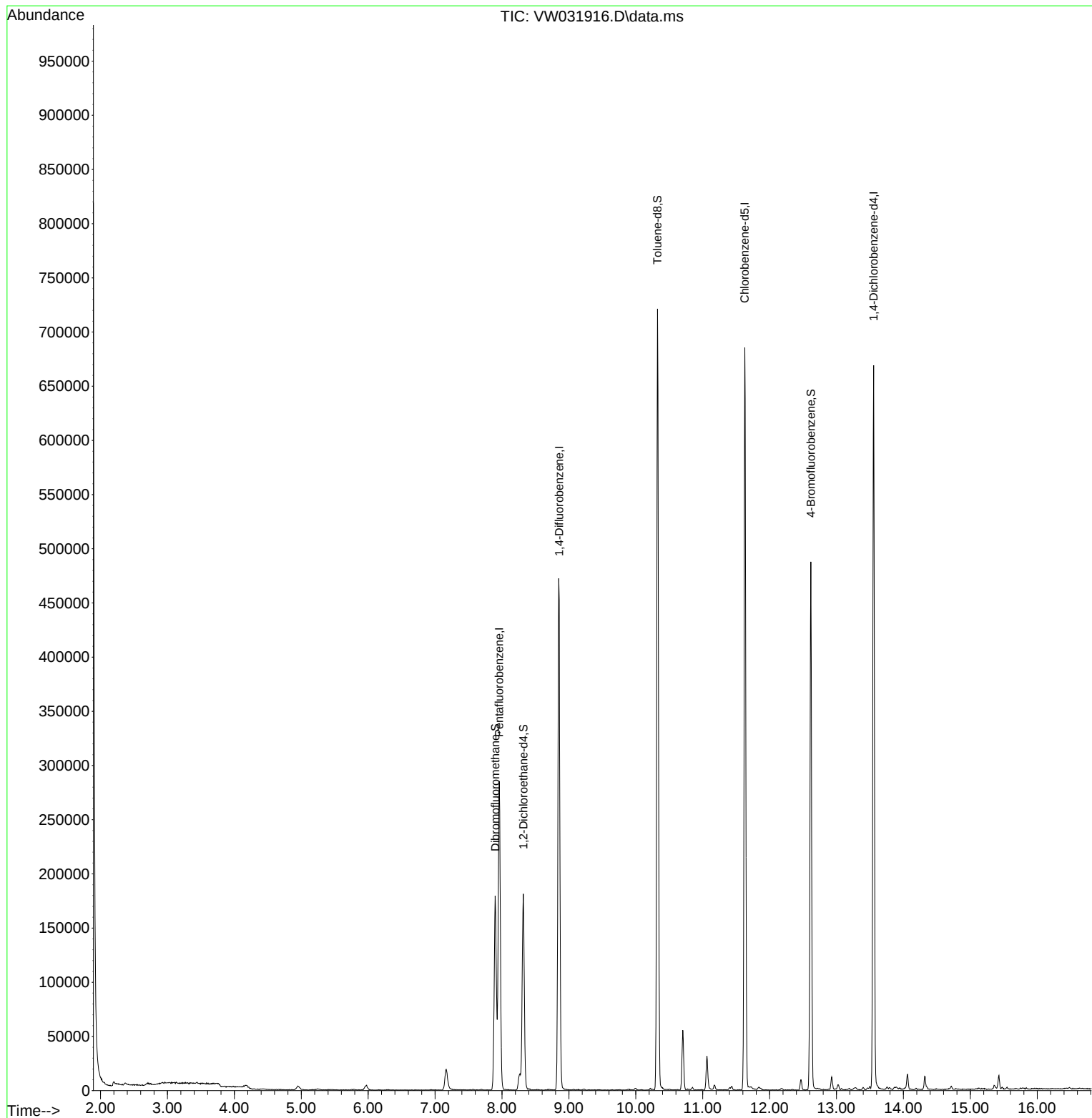
Target Compounds	Qvalue

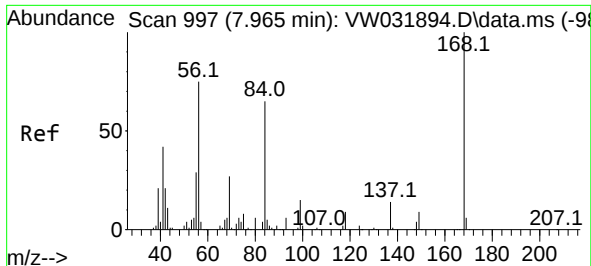
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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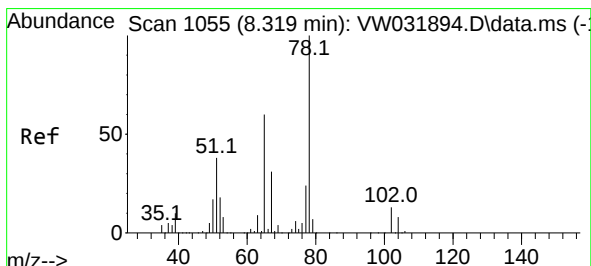
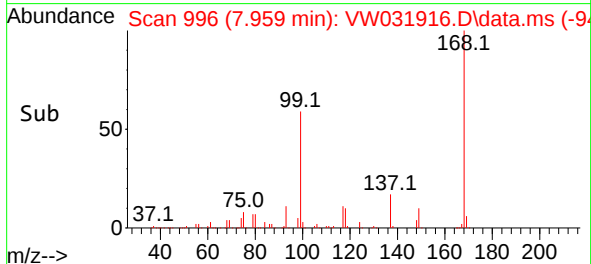
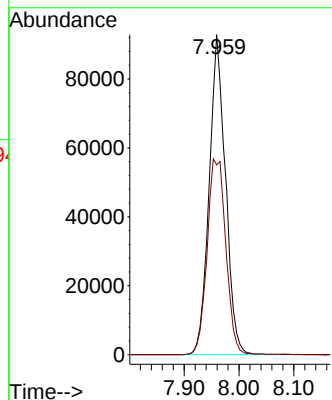
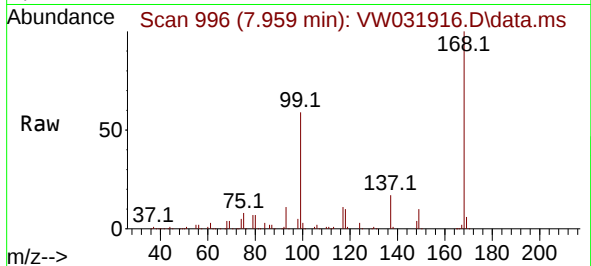




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031916.D
Acq: 24 Jul 2025 08:49

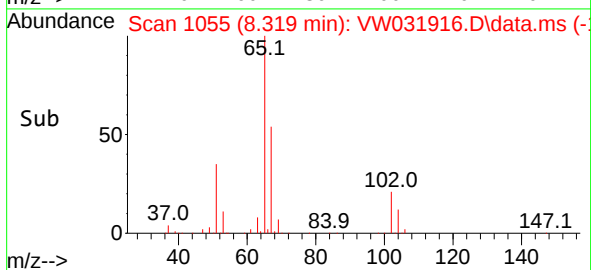
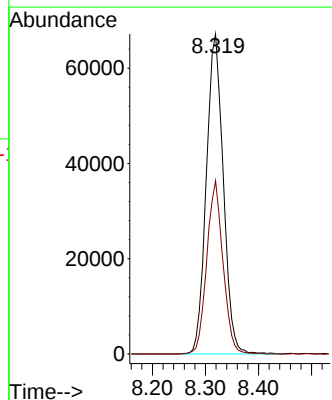
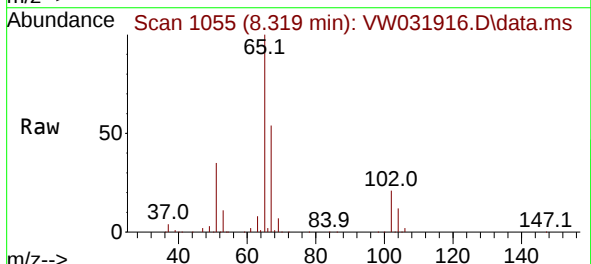
Instrument :
MSVOA_W
ClientSampleId :
VW0724SBL01

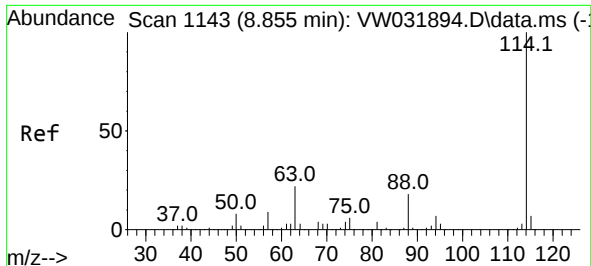
Tgt Ion:168 Resp: 191425
Ion Ratio Lower Upper
168 100
99 59.3 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 51.482 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031916.D
Acq: 24 Jul 2025 08:49

Tgt Ion: 65 Resp: 149080
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031916.D

Acq: 24 Jul 2025 08:49

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBL01

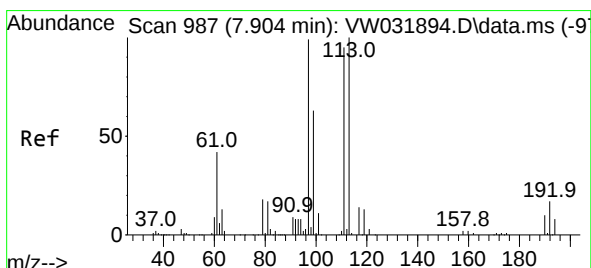
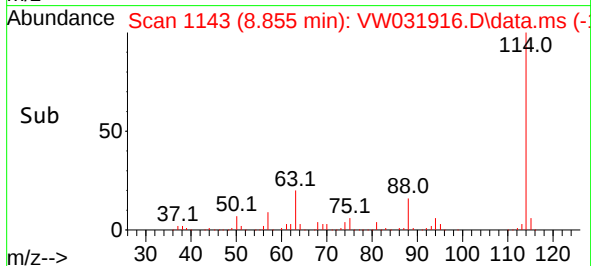
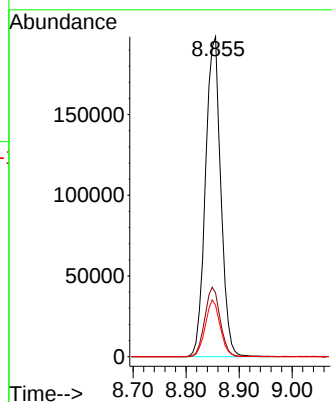
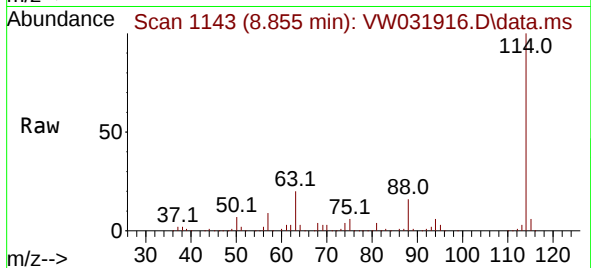
Tgt Ion:114 Resp: 397023

Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.2

88 16.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.338 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031916.D

Acq: 24 Jul 2025 08:49

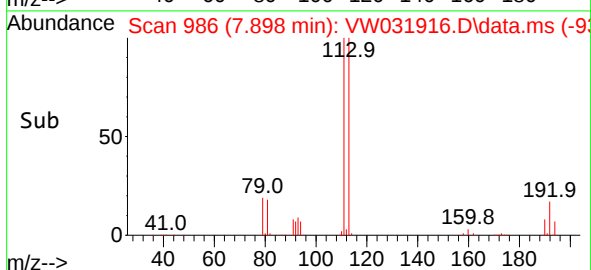
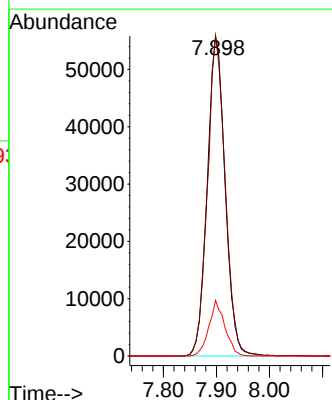
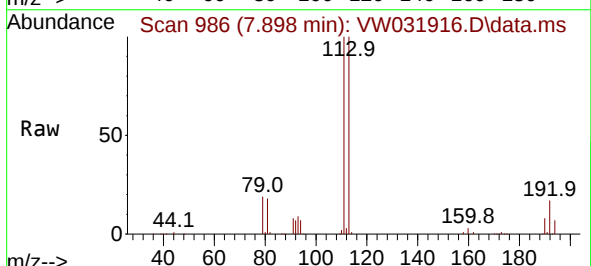
Tgt Ion:113 Resp: 130407

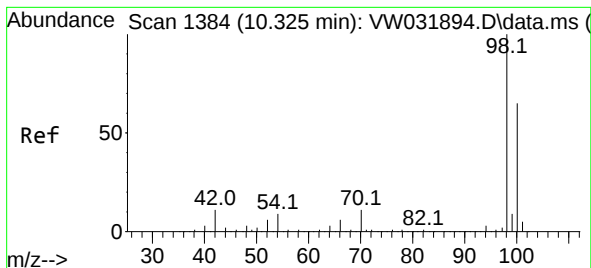
Ion Ratio Lower Upper

113 100

111 99.7 79.9 119.9

192 15.6 12.6 19.0

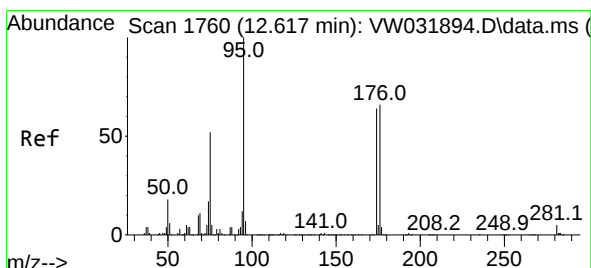
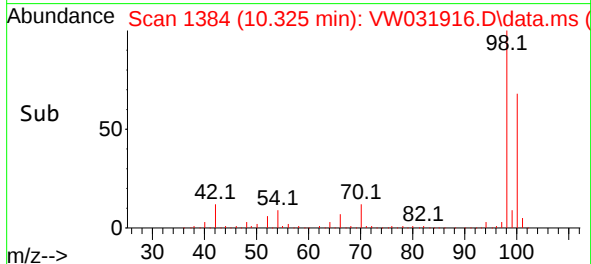
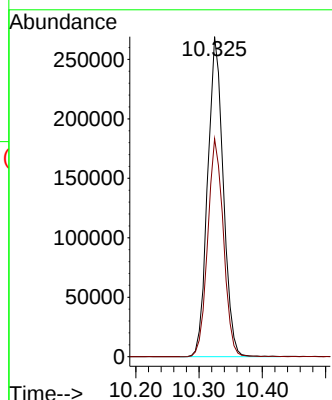
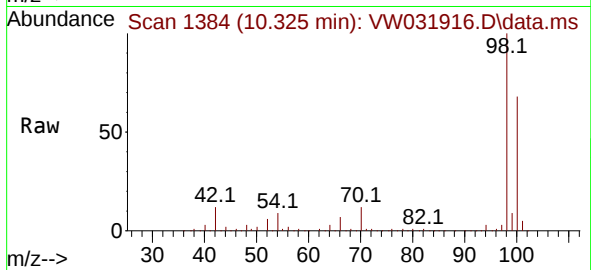




#50
Toluene-d8
Concen: 45.306 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031916.D
Acq: 24 Jul 2025 08:49

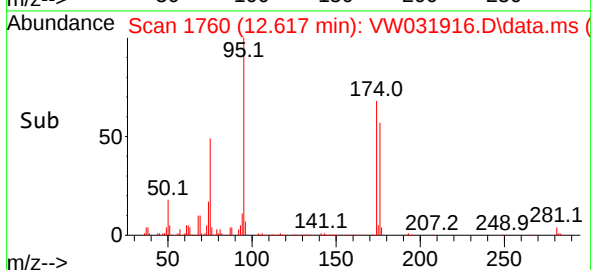
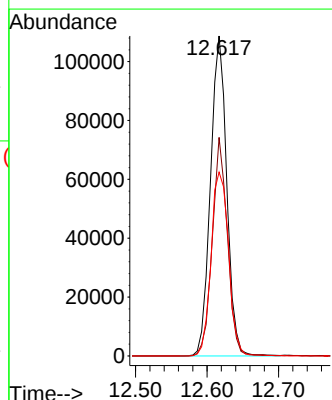
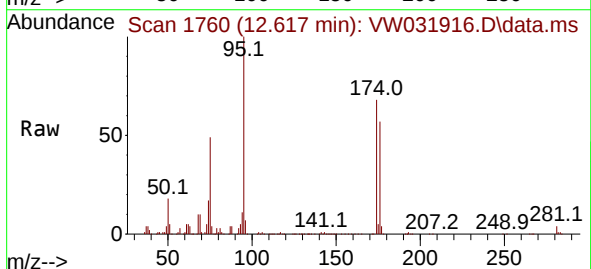
Instrument :
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VW0724SBL01

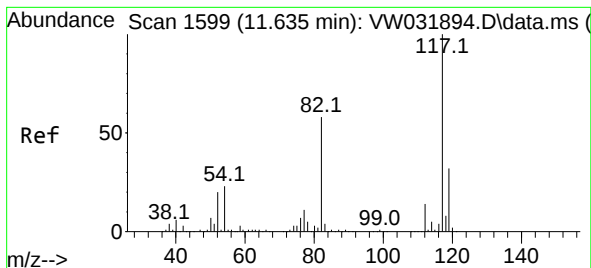
Tgt Ion: 98 Resp: 462588
Ion Ratio Lower Upper
98 100
100 68.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.791 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031916.D
Acq: 24 Jul 2025 08:49

Tgt Ion: 95 Resp: 171687
Ion Ratio Lower Upper
95 100
174 63.4 0.0 129.8
176 62.0 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031916.D

Acq: 24 Jul 2025 08:49

Instrument :

MSVOA_W

ClientSampleId :

VW0724SBL01

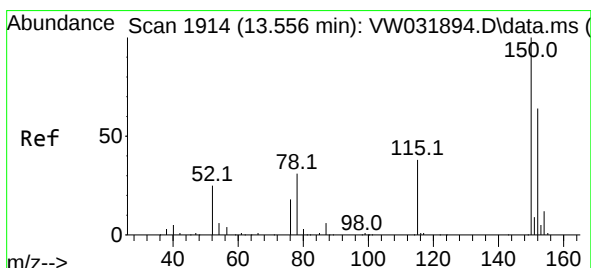
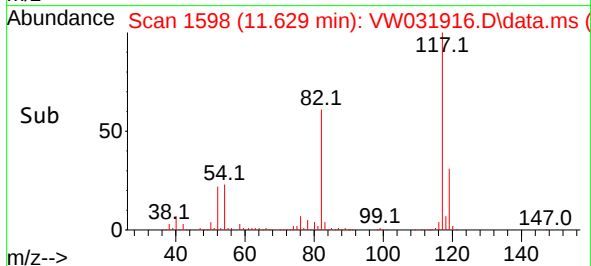
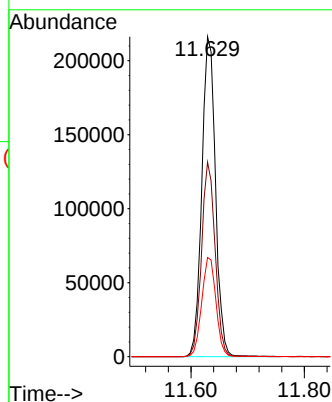
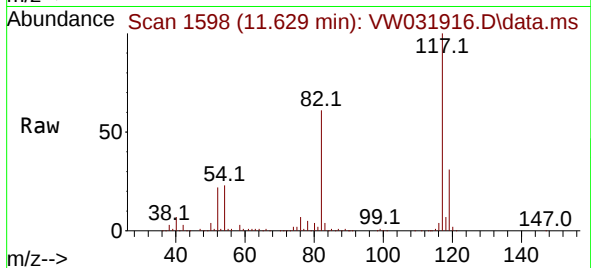
Tgt Ion:117 Resp: 361888

Ion Ratio Lower Upper

117 100

82 60.8 46.5 69.7

119 31.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031916.D

Acq: 24 Jul 2025 08:49

Tgt Ion:152 Resp: 168978

Ion Ratio Lower Upper

152 100

115 66.3 33.4 100.1

150 154.0 0.0 352.2

