

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031837.D
 Acq On : 14 Jul 2025 09:46
 Operator : SY/MD
 Sample : VW0714SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	179274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	359991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123390	47.960	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.920%
35) Dibromofluoromethane	7.898	113	110604	47.084	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.160%
50) Toluene-d8	10.324	98	392793	44.932	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.860%
62) 4-Bromofluorobenzene	12.617	95	148493	46.158	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.320%

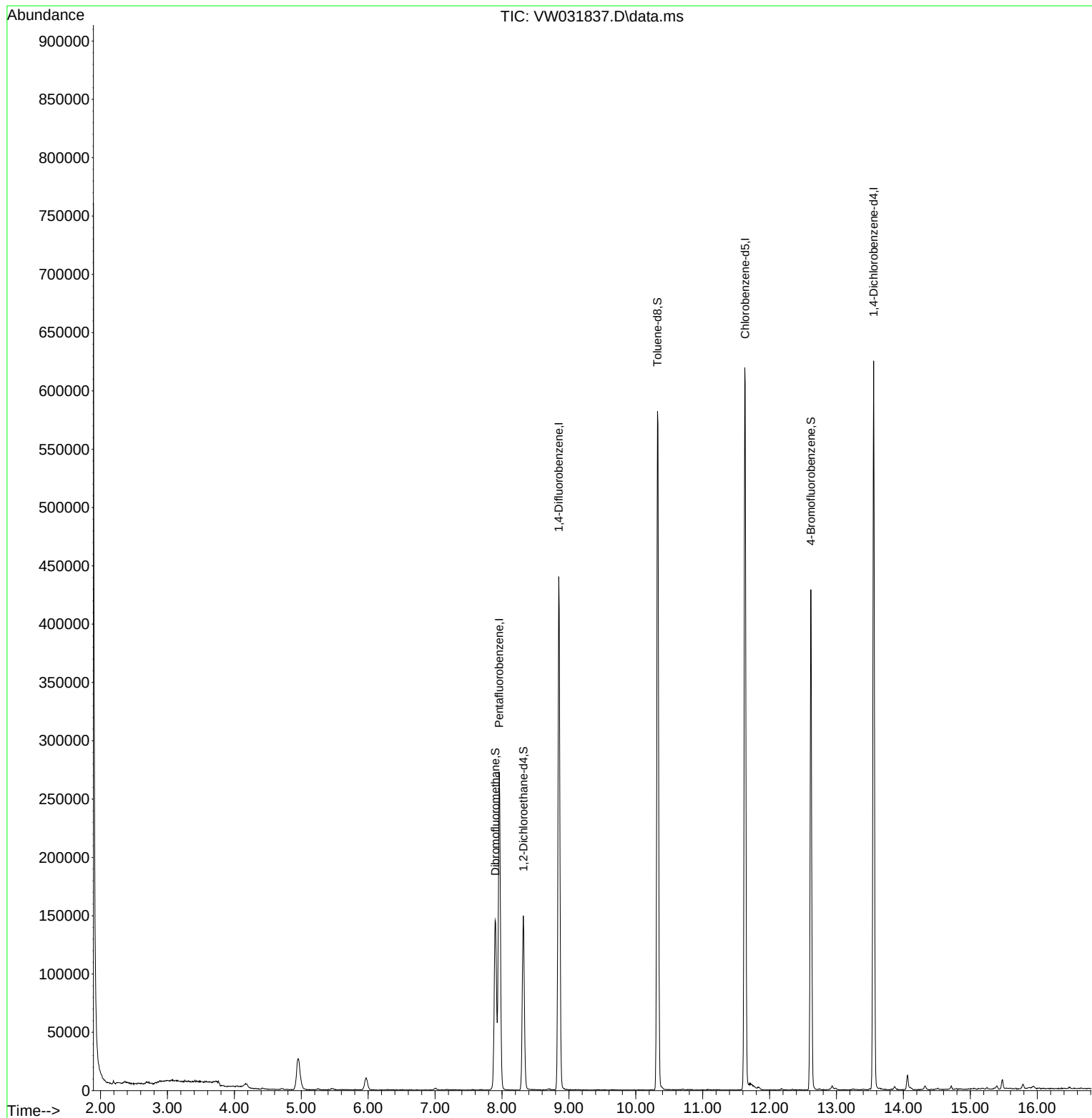
Target Compounds	Qvalue

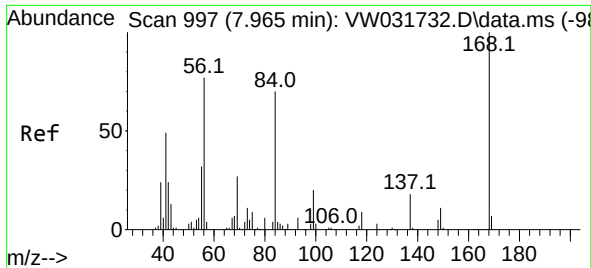
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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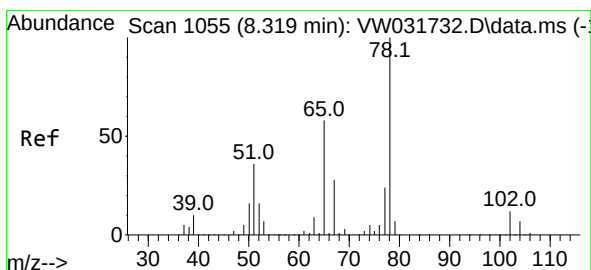
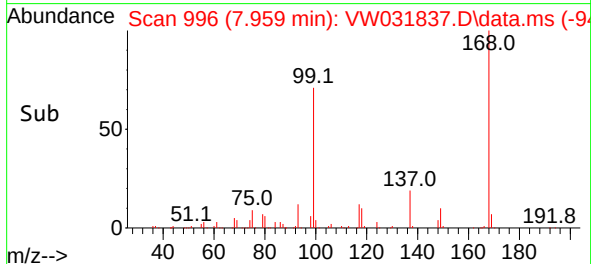
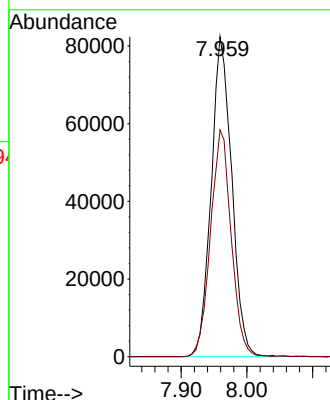
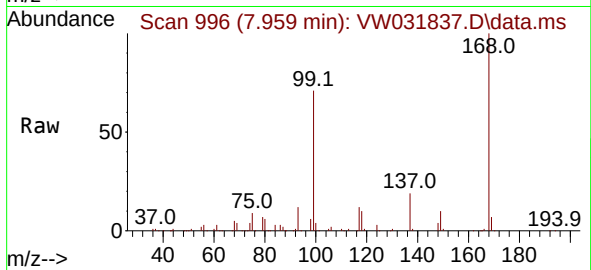




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

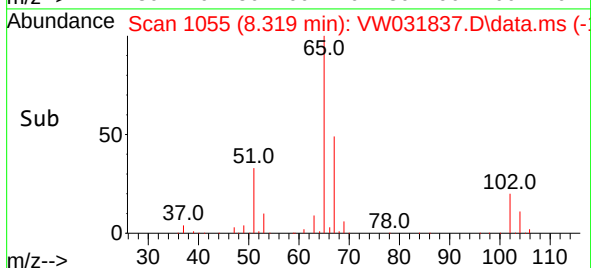
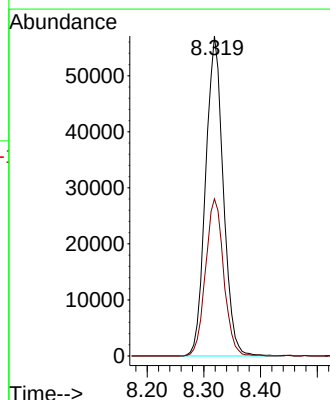
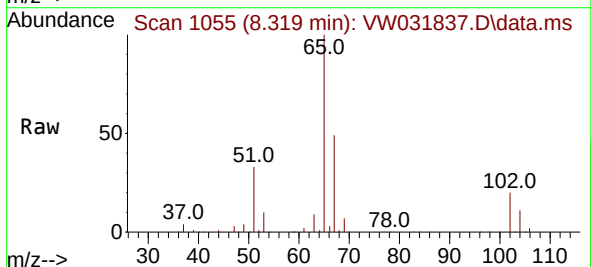
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

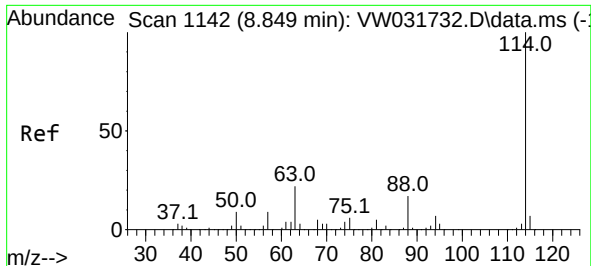
Tgt Ion:168 Resp: 179274
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 47.960 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 65 Resp: 123390
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031837.D

Acq: 14 Jul 2025 09:46

Instrument :

MSVOA_W

ClientSampleId :

VW0714SBL01

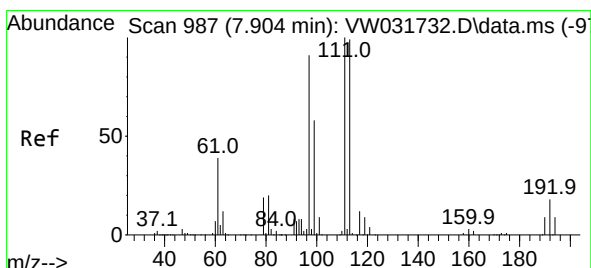
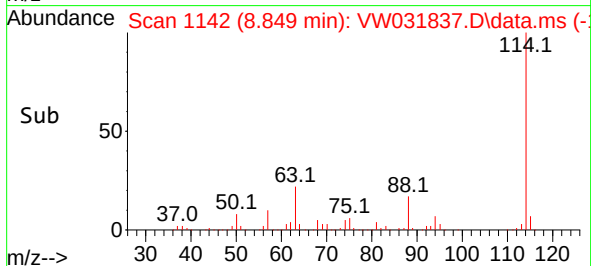
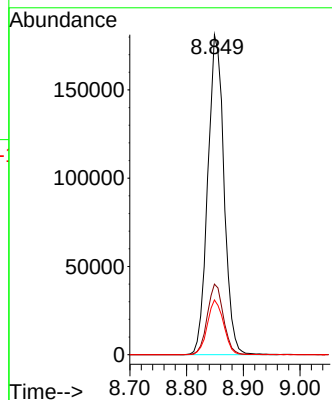
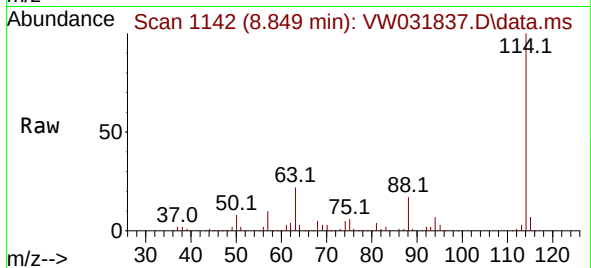
Tgt Ion:114 Resp: 359991

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.6

88 17.1 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.084 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031837.D

Acq: 14 Jul 2025 09:46

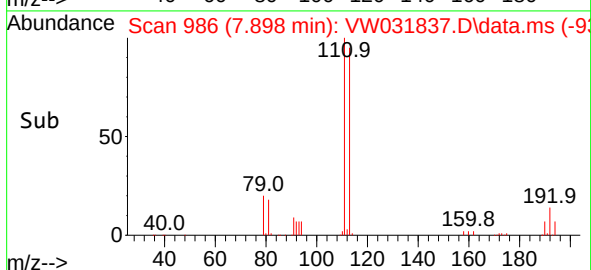
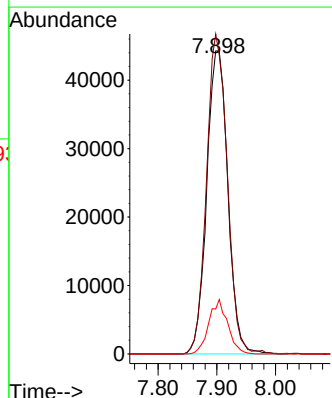
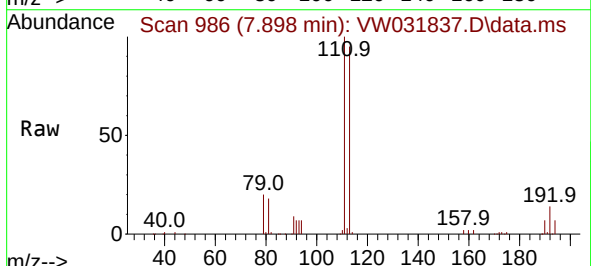
Tgt Ion:113 Resp: 110604

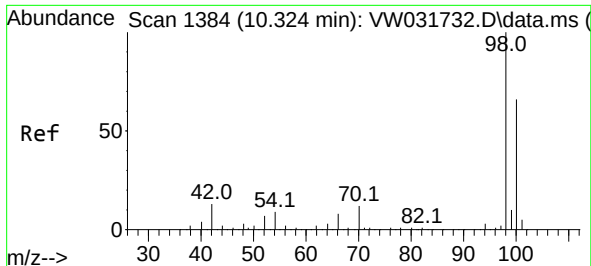
Ion Ratio Lower Upper

113 100

111 103.8 82.1 123.1

192 16.0 13.8 20.6

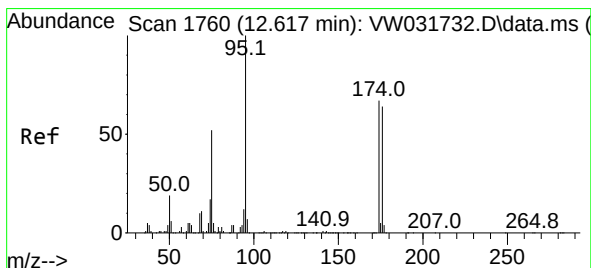
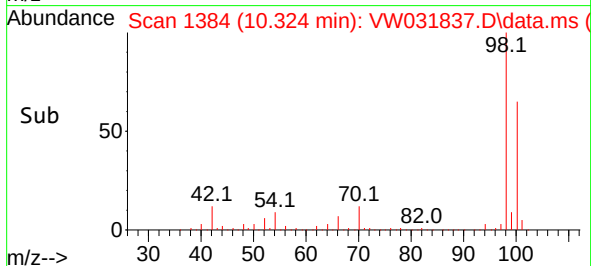
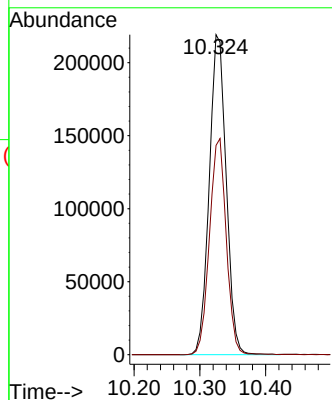
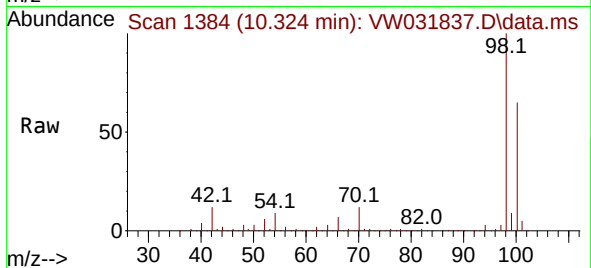




#50
Toluene-d8
Concen: 44.932 ug/l
RT: 10.324 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

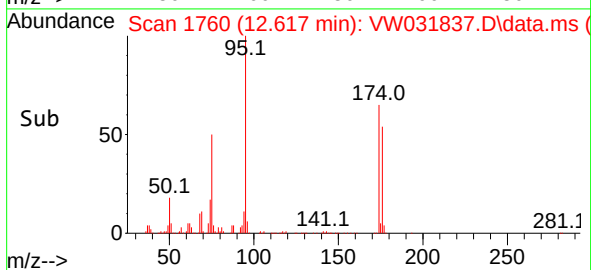
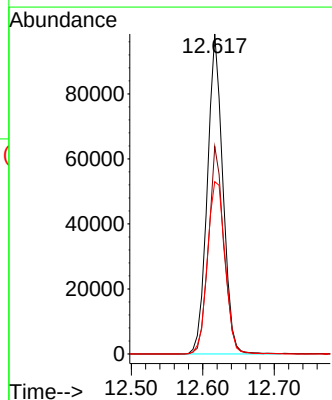
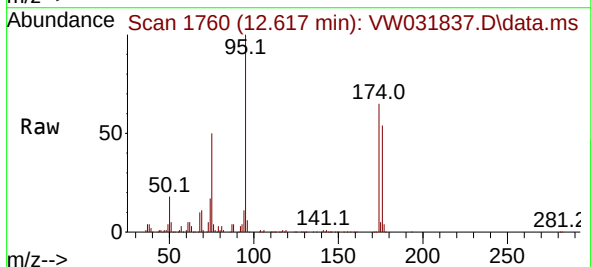
Instrument :
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VW0714SBL01

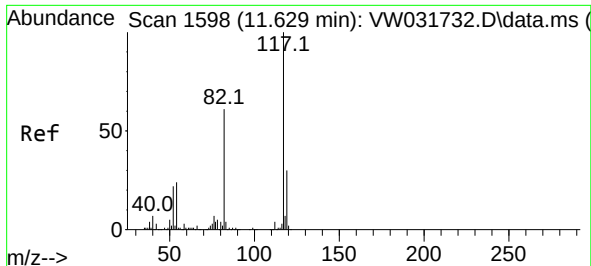
Tgt Ion: 98 Resp: 392793
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 95 Resp: 148493
Ion Ratio Lower Upper
95 100
174 64.4 0.0 133.8
176 61.2 0.0 126.0

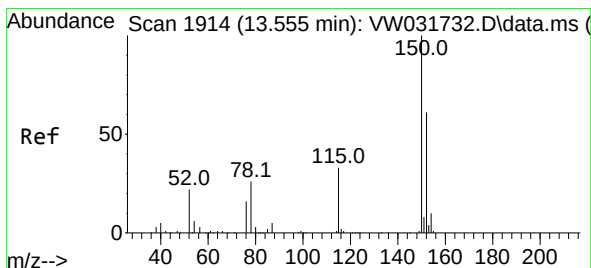
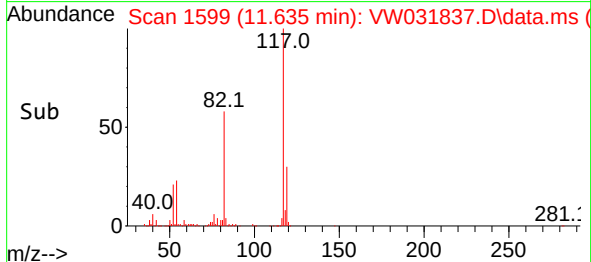
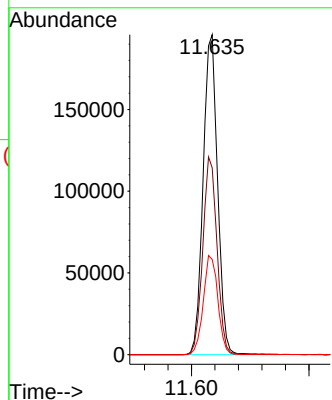
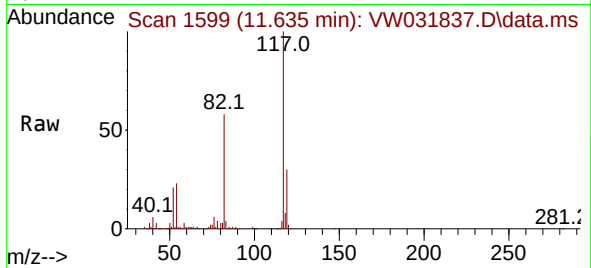




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Tgt Ion:117 Resp: 334968
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 29.8 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion:152 Resp: 154203
Ion Ratio Lower Upper
152 100
115 67.9 31.9 95.7
150 149.9 0.0 356.4

