

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031880.D
 Acq On : 17 Jul 2025 10:53
 Operator : SY/MD
 Sample : VW0717SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBL01

Quant Time: Jul 18 02:49:00 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	189533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	380231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148563	54.619	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	109.240%
35) Dibromofluoromethane	7.898	113	123183	49.647	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.300%
50) Toluene-d8	10.325	98	444311	48.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.617	95	176733	52.012	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.020%

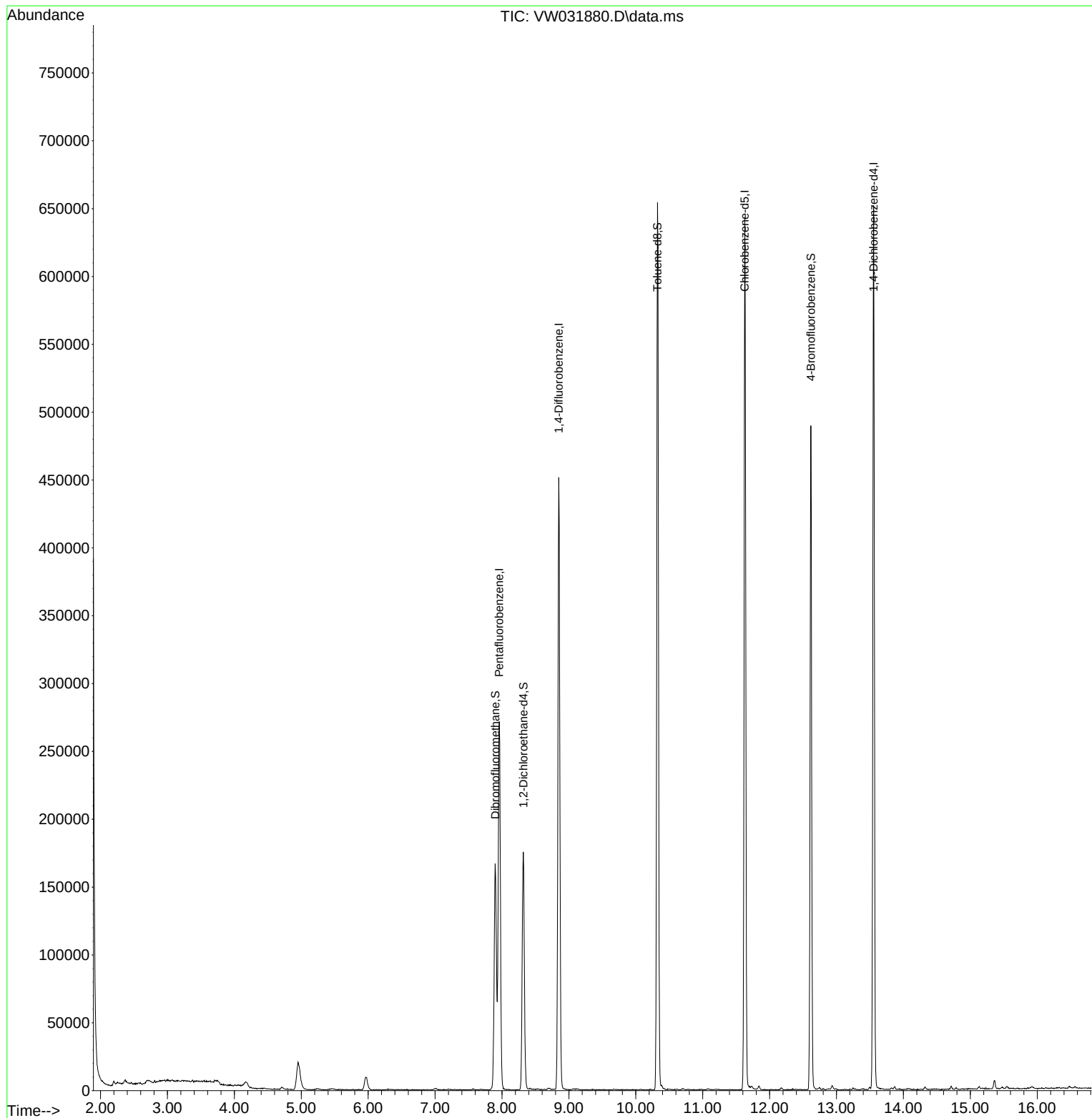
Target Compounds	Qvalue

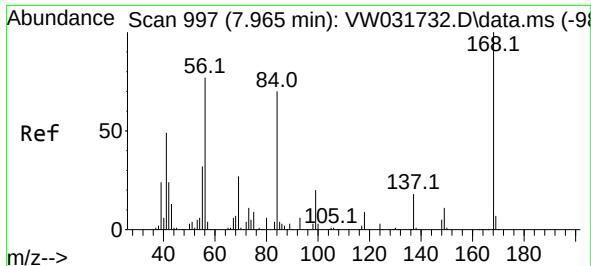
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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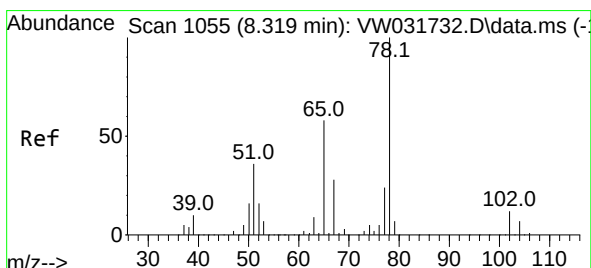
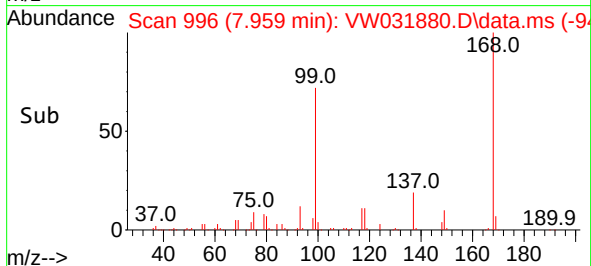
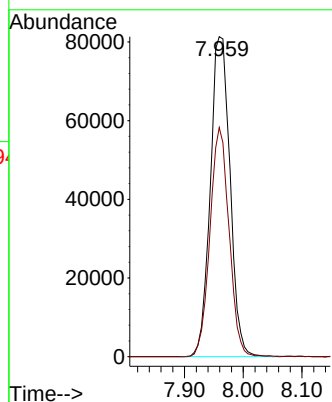
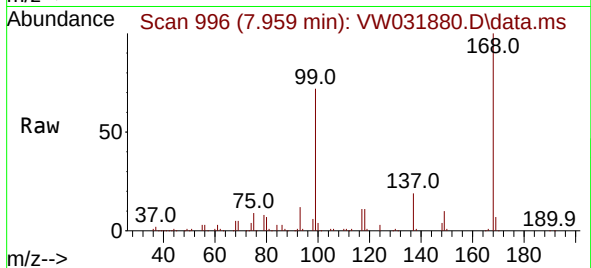




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

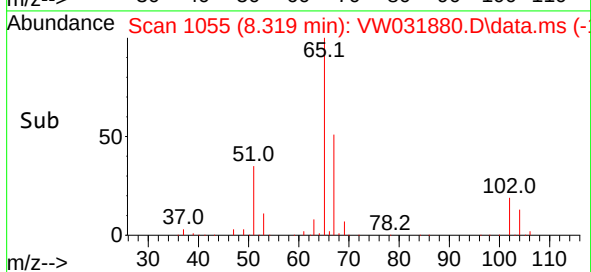
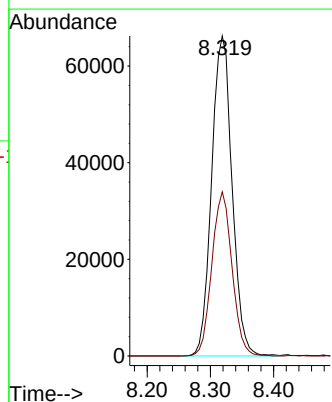
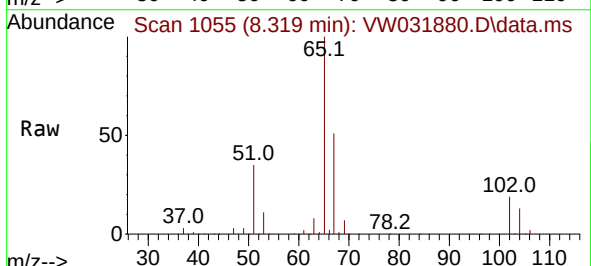
Instrument :
MSVOA_W
ClientSampleId :
VW0717SBL01

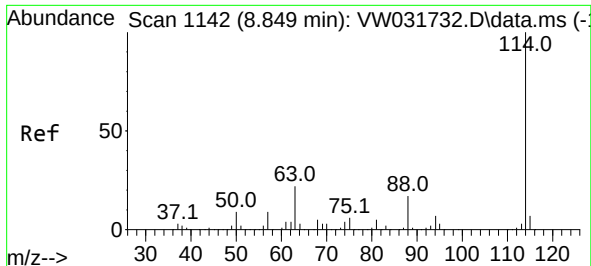
Tgt Ion:168 Resp: 189533
Ion Ratio Lower Upper
168 100
99 71.6 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 54.619 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Tgt Ion: 65 Resp: 148563
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

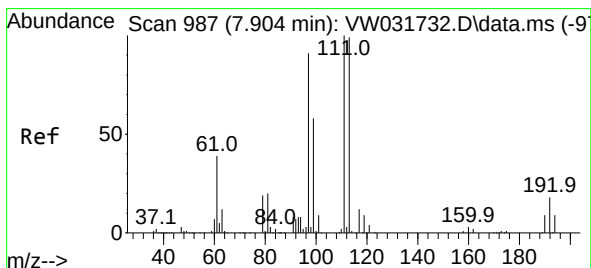
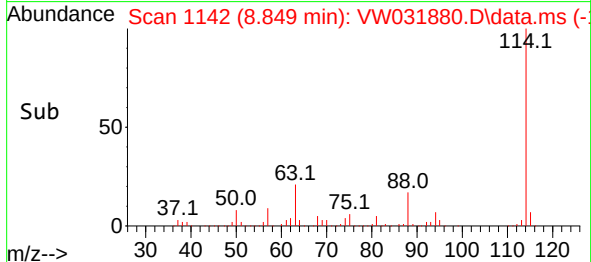
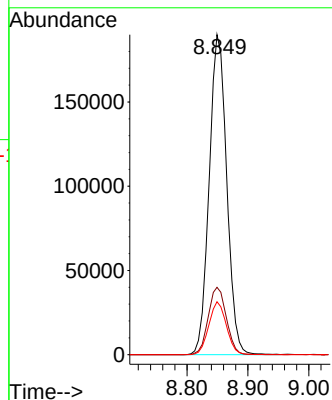
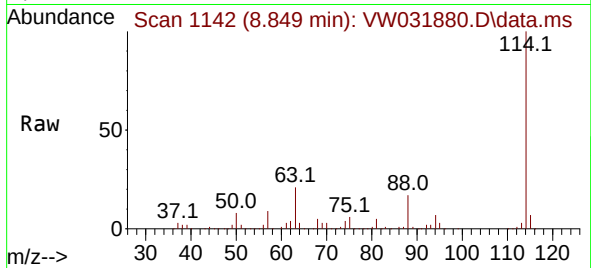




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

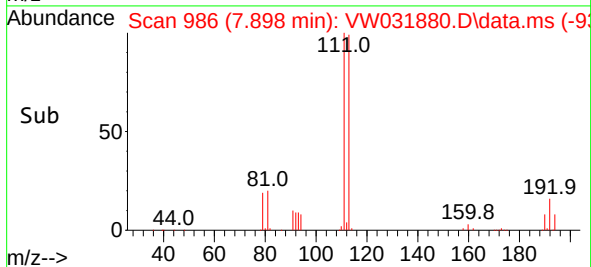
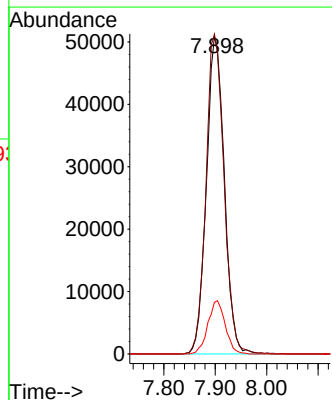
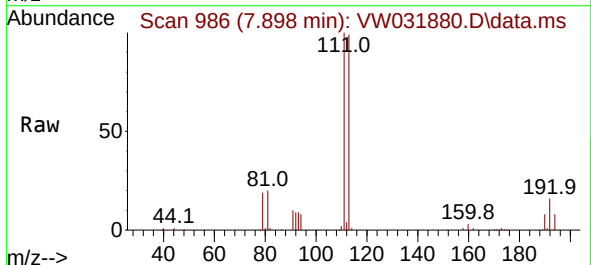
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBL01

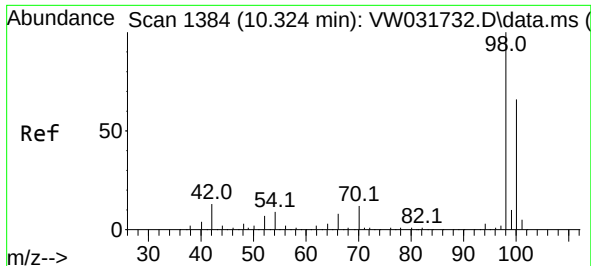
Tgt Ion:114 Resp: 380231
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.6
 88 16.6 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 49.647 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW031880.D
 Acq: 17 Jul 2025 10:53

Tgt Ion:113 Resp: 123183
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.1 123.1
 192 16.3 13.8 20.6

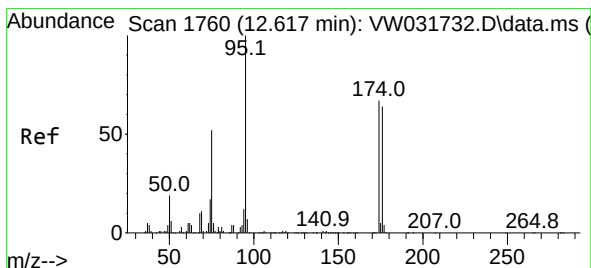
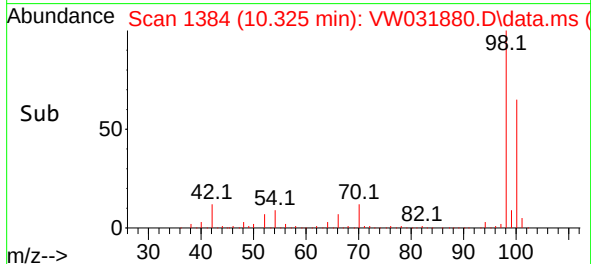
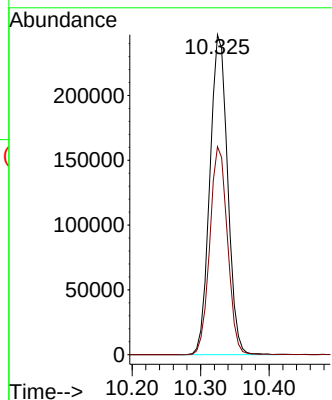
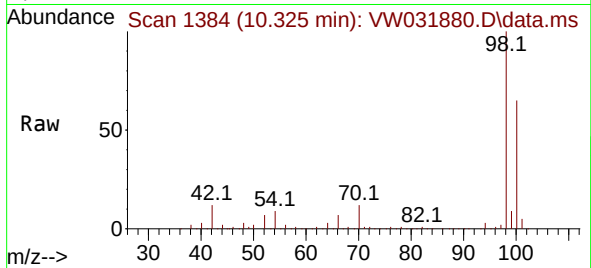




#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

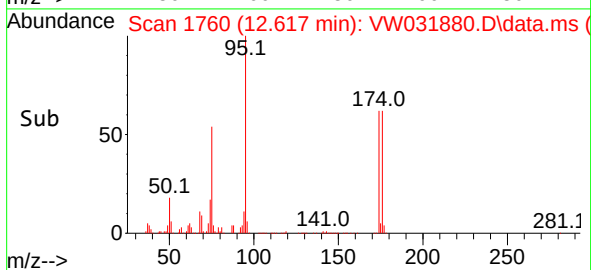
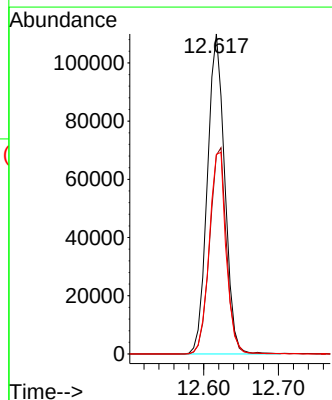
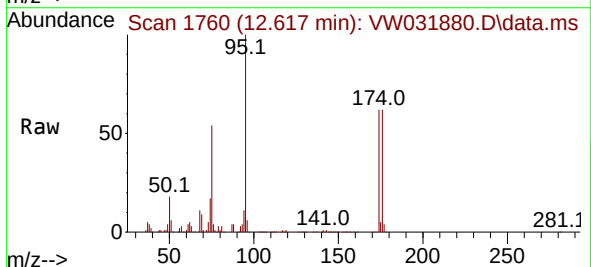
Instrument :
MSVOA_W
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VW0717SBL01

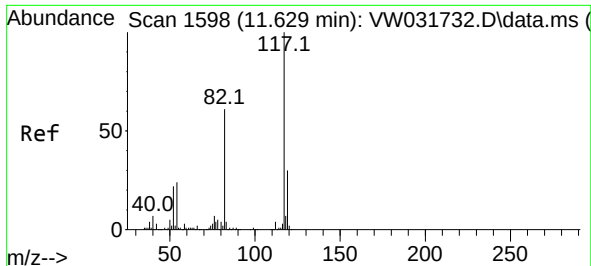
Tgt Ion: 98 Resp: 444311
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.012 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Tgt Ion: 95 Resp: 176733
Ion Ratio Lower Upper
95 100
174 62.7 0.0 133.8
176 61.8 0.0 126.0

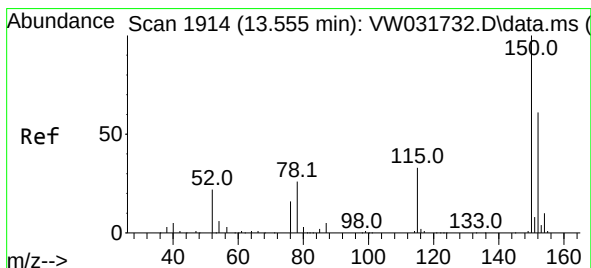
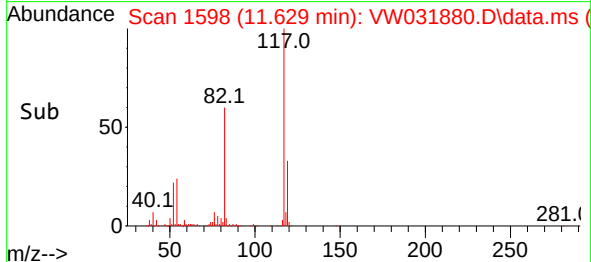
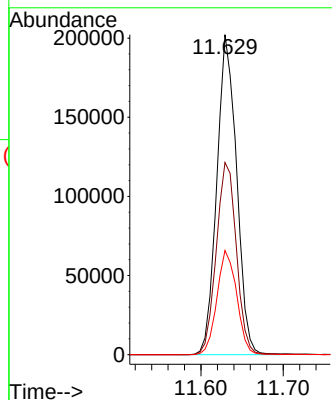
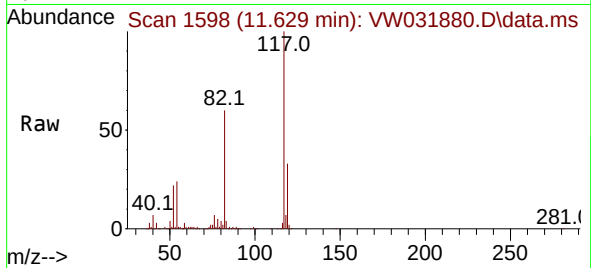




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031880.D
Acq: 17 Jul 2025 10:53

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBL01

Tgt Ion:117 Resp: 338341
Ion Ratio Lower Upper
117 100
82 60.0 48.6 72.8
119 32.6 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: VW031880.D
Acq: 17 Jul 2025 10:53

Tgt Ion:152 Resp: 166625
Ion Ratio Lower Upper
152 100
115 61.5 31.9 95.7
150 152.8 0.0 356.4

