

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080313.D
 Acq On : 13 May 2025 20:40
 Operator : RP/MD
 Sample : Q2004-11
 Misc : 6.23G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-STOCK

Quant Time: May 14 01:36:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	47003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	106635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	106588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	60067	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	44372	73.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	146.000%
35) Dibromofluoromethane	7.805	113	50605	70.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	141.620%
50) Toluene-d8	10.270	98	159274	56.560	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.120%
62) 4-Bromofluorobenzene	12.576	95	42890	47.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.900%

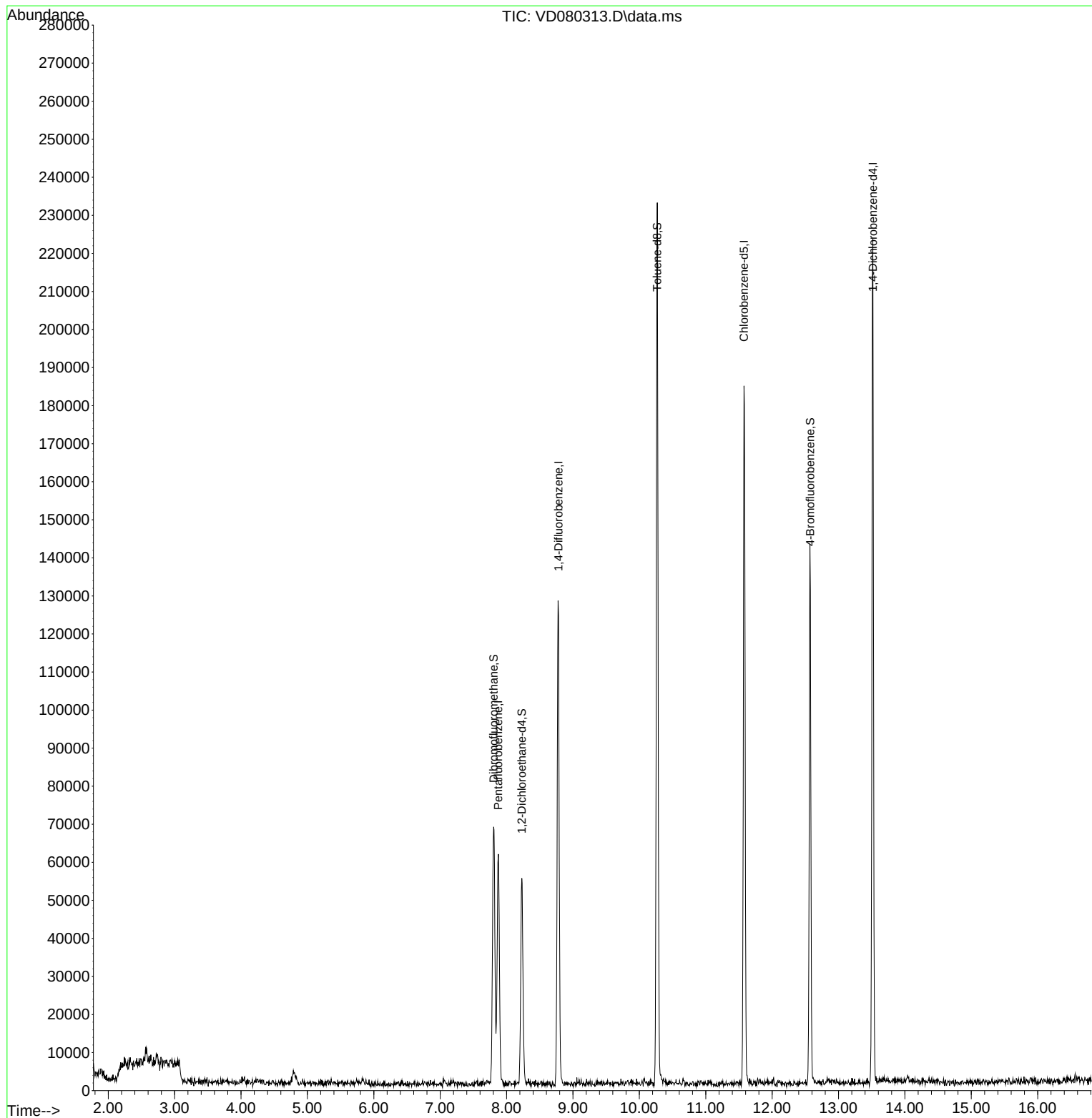
Target Compounds	Qvalue

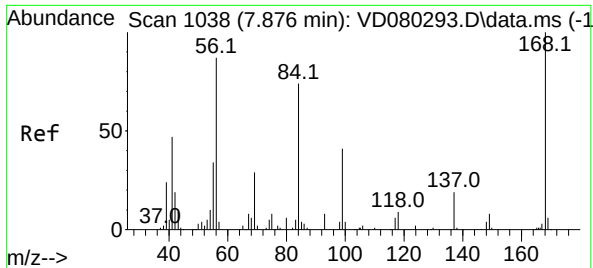
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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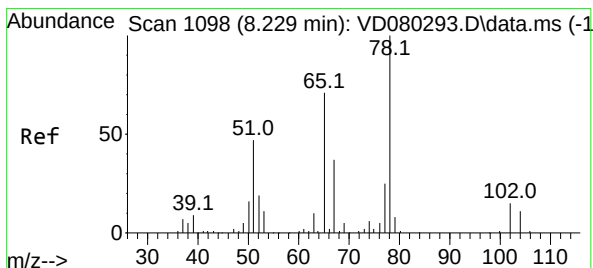
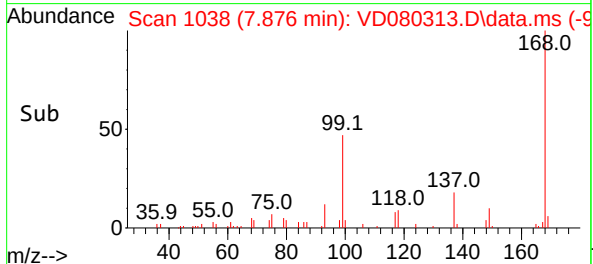
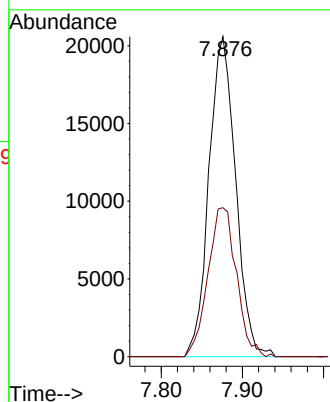
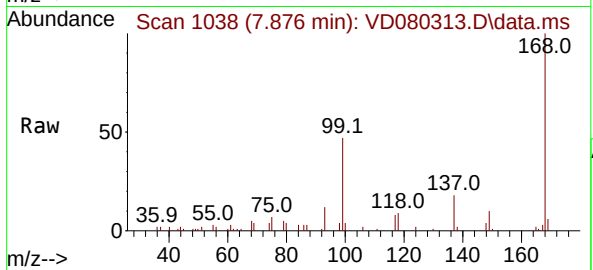




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

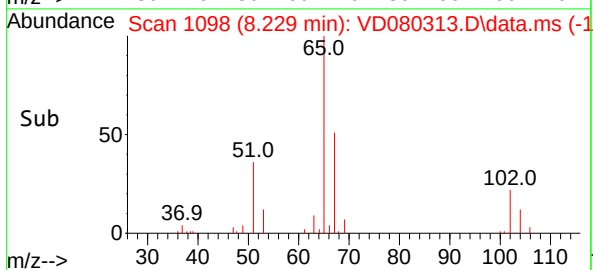
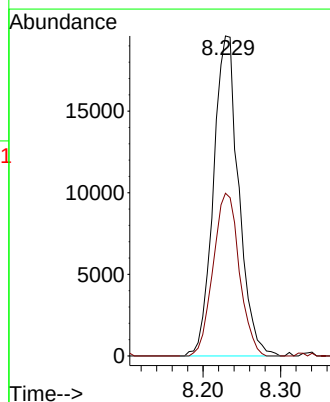
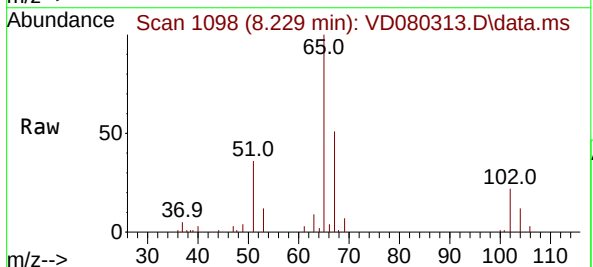
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

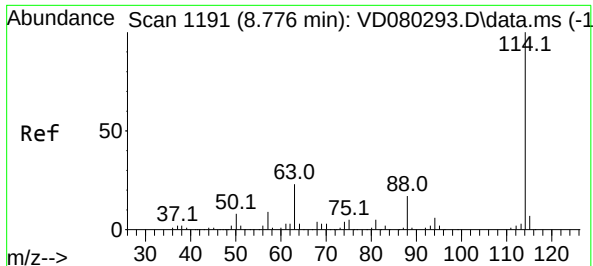
Tgt Ion:168 Resp: 47003
Ion Ratio Lower Upper
168 100
99 46.6 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 73.001 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion: 65 Resp: 44372
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.2

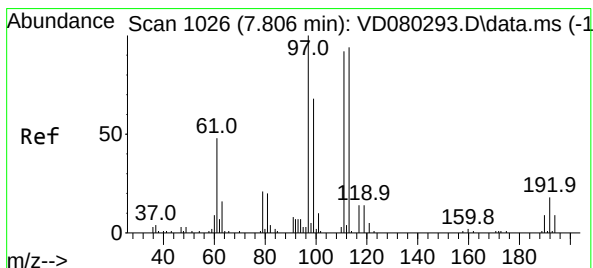
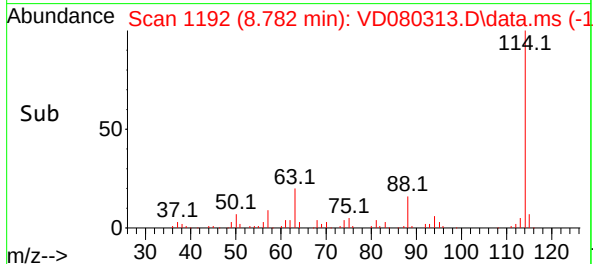
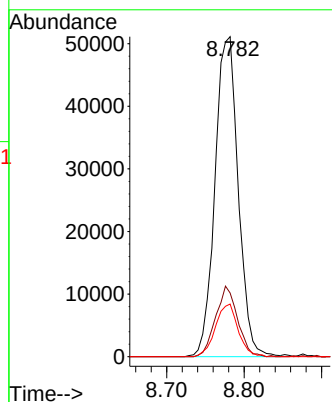
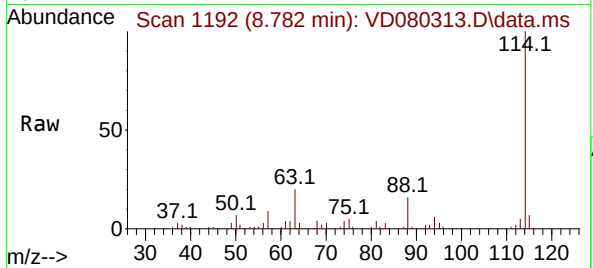




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.782 min Scan# 1191
Delta R.T. 0.007 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

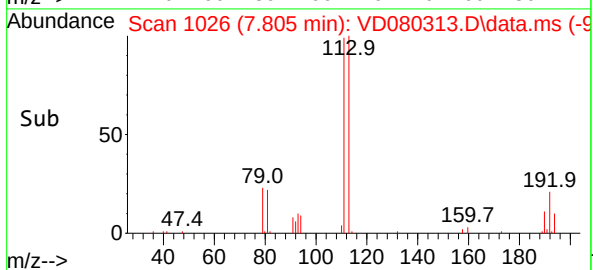
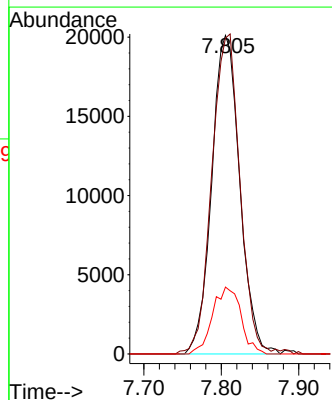
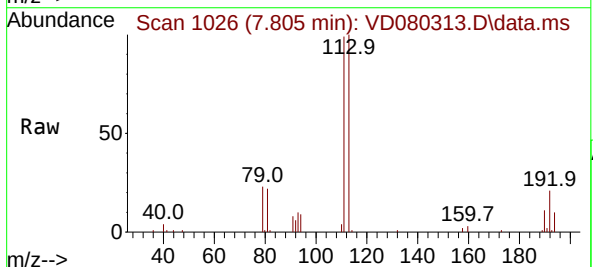
Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

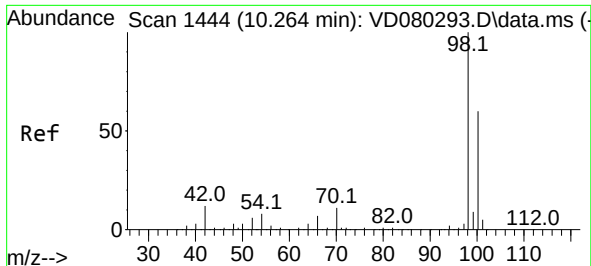
Tgt Ion:114 Resp: 106635
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.8
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 70.805 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion:113 Resp: 50605
Ion Ratio Lower Upper
113 100
111 101.1 82.5 123.7
192 21.2 16.6 25.0

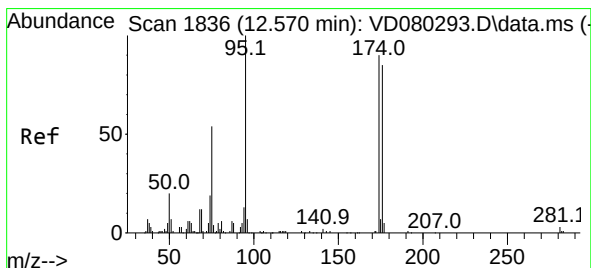
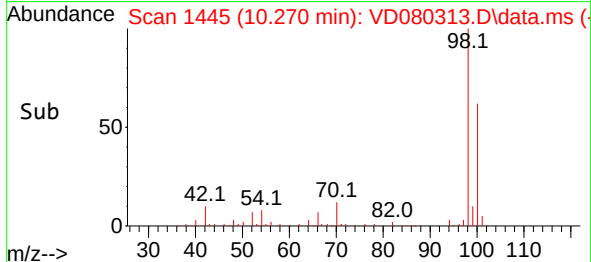
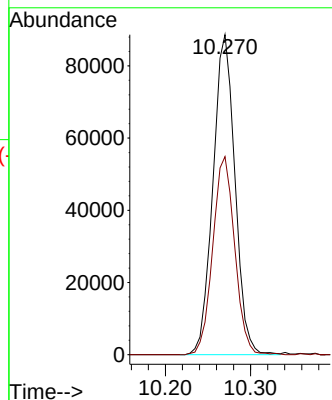
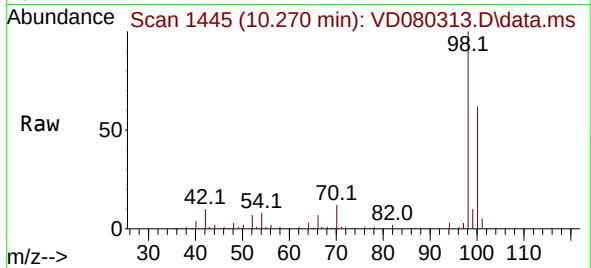




#50
Toluene-d8
Concen: 56.560 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

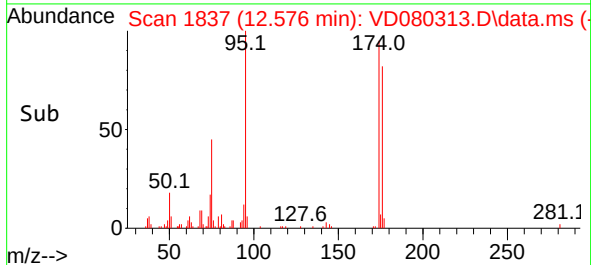
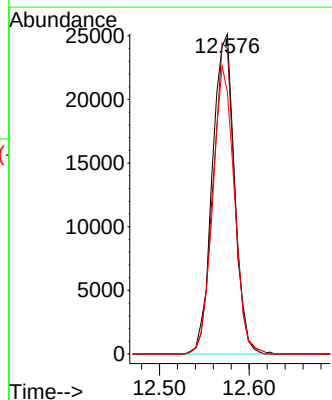
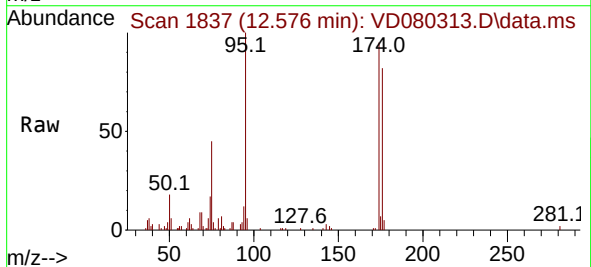
Instrument :
MSVOA_D
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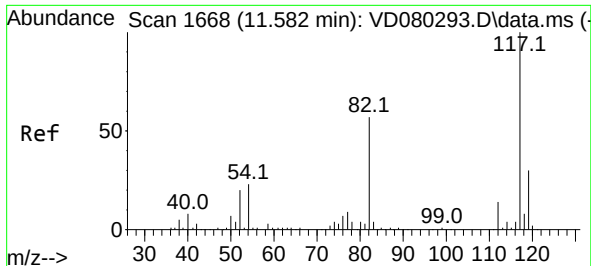
Tgt Ion: 98 Resp: 159274
Ion Ratio Lower Upper
98 100
100 61.7 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 47.452 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion: 95 Resp: 42890
Ion Ratio Lower Upper
95 100
174 94.4 0.0 173.4
176 88.0 0.0 166.6

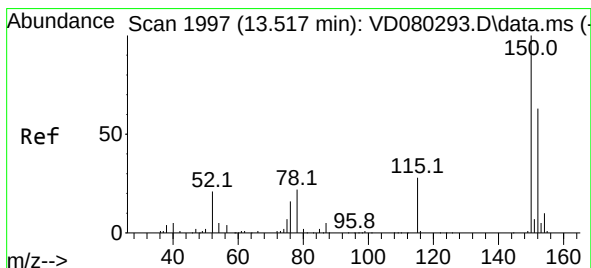
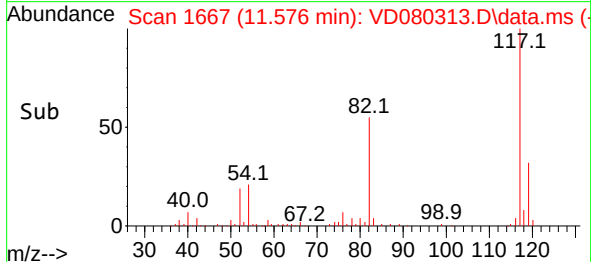
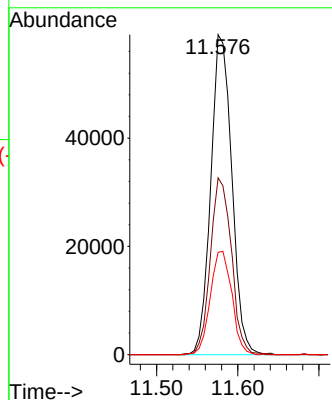
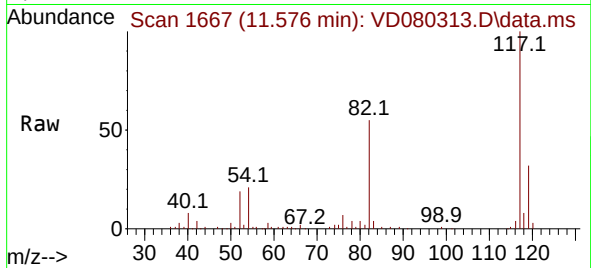




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Instrument :
MSVOA_D
ClientSampleId :
STONE-STOCK

Tgt Ion:117 Resp: 106588
Ion Ratio Lower Upper
117 100
82 55.3 45.8 68.6
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080313.D
Acq: 13 May 2025 20:40

Tgt Ion:152 Resp: 60067
Ion Ratio Lower Upper
152 100
115 55.6 28.9 86.8
150 155.7 0.0 354.8

