

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080312.D
 Acq On : 13 May 2025 20:11
 Operator : RP/MD
 Sample : Q2004-09
 Misc : 3.48G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-STOCK

Quant Time: May 14 01:36:31 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	73057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	173854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87711	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	61810	65.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.840%
35) Dibromofluoromethane	7.805	113	70909	59.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.520%
50) Toluene-d8	10.270	98	243842	52.160	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.570	95	72155	48.087	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.180%

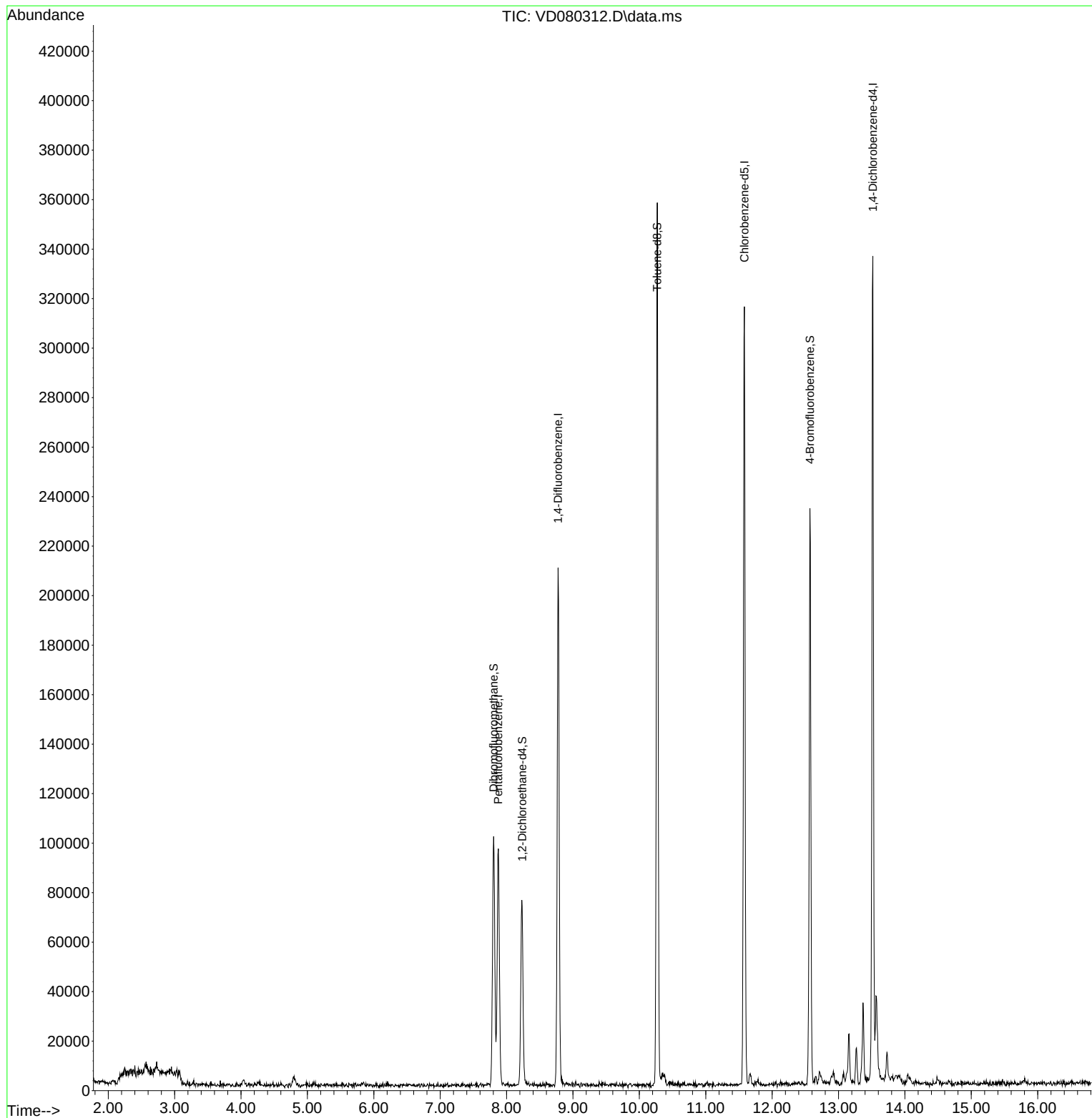
Target Compounds	Qvalue

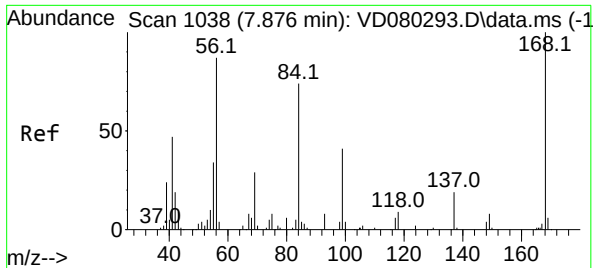
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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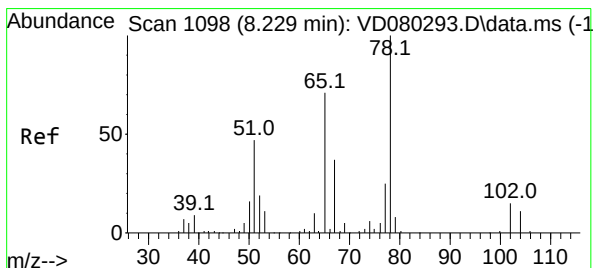
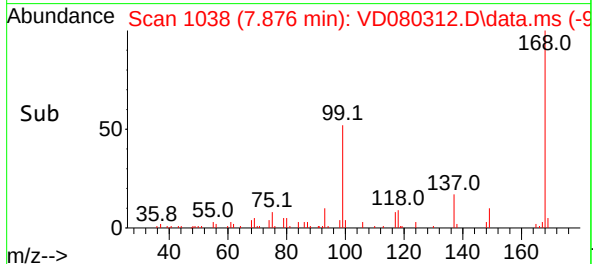
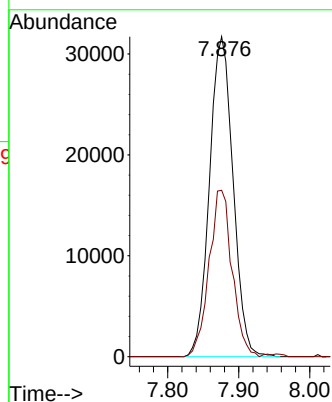
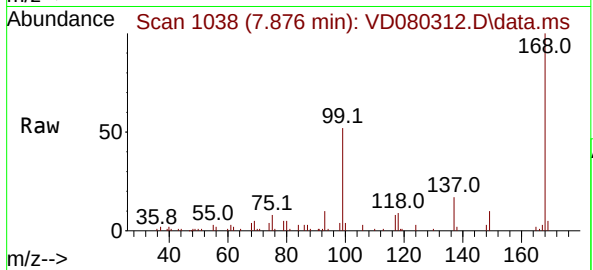




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

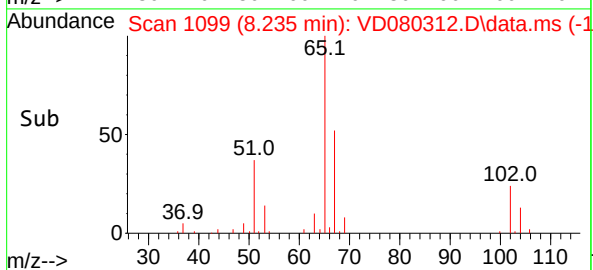
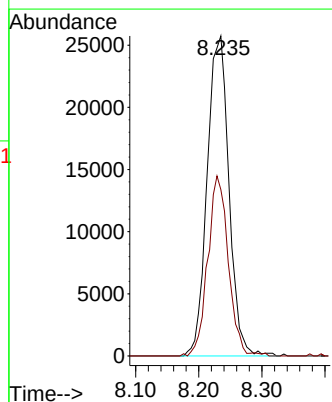
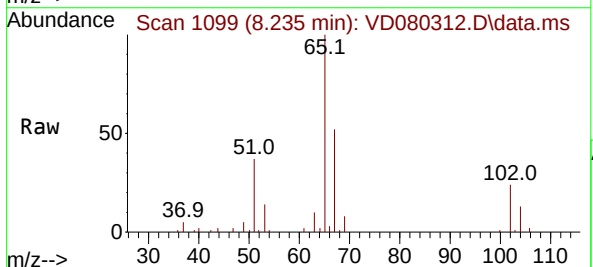
Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

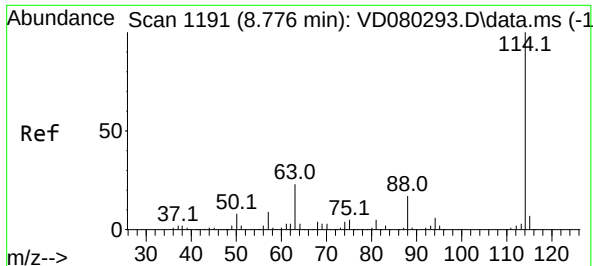
Tgt Ion:168 Resp: 73057
Ion Ratio Lower Upper
168 100
99 52.0 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 65.425 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion: 65 Resp: 61810
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

Instrument :

MSVOA_D

ClientSampleId :

SOIL-STOCK

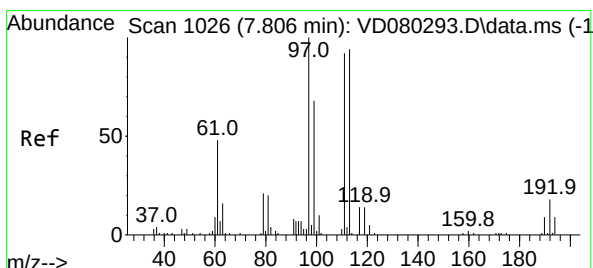
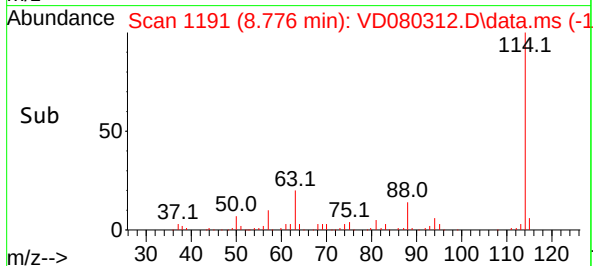
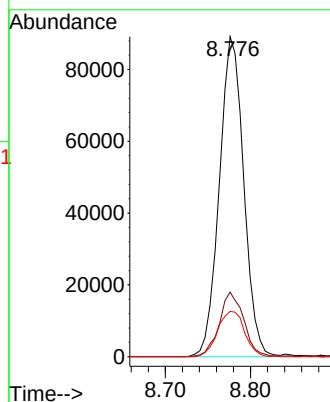
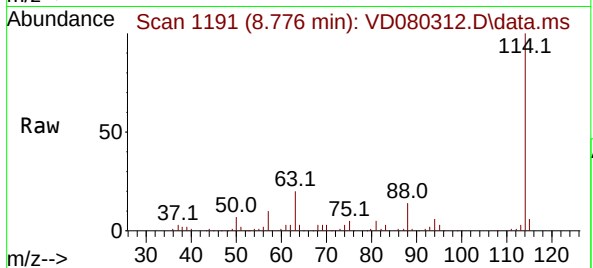
Tgt Ion:114 Resp: 177025

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 59.764 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080312.D

Acq: 13 May 2025 20:11

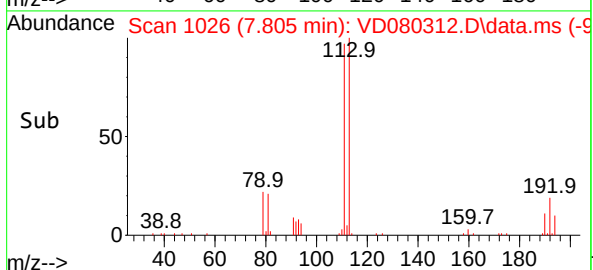
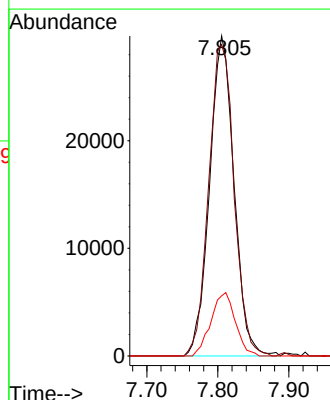
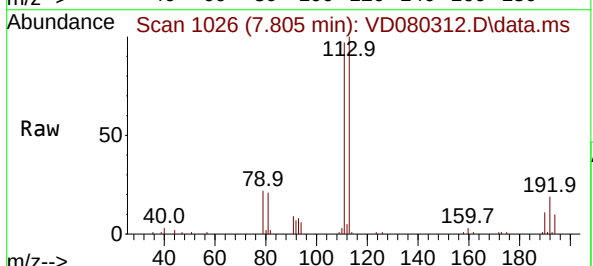
Tgt Ion:113 Resp: 70909

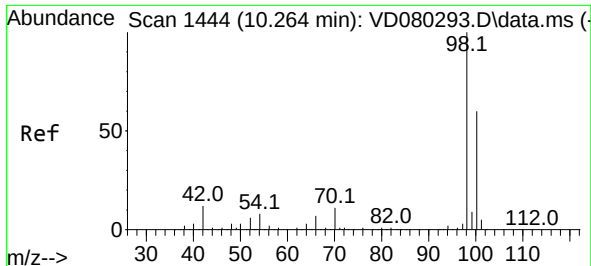
Ion Ratio Lower Upper

113 100

111 101.2 82.5 123.7

192 19.8 16.6 25.0

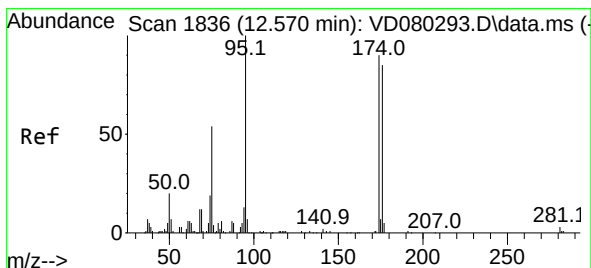
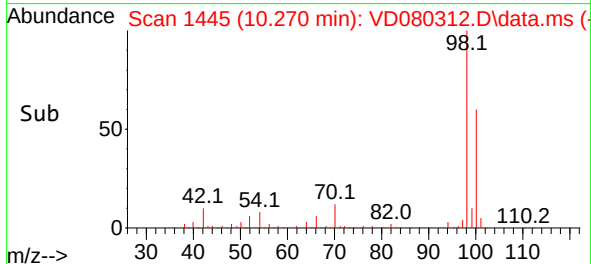
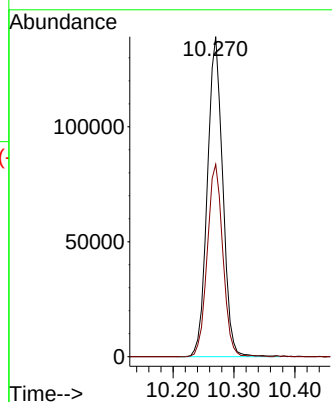
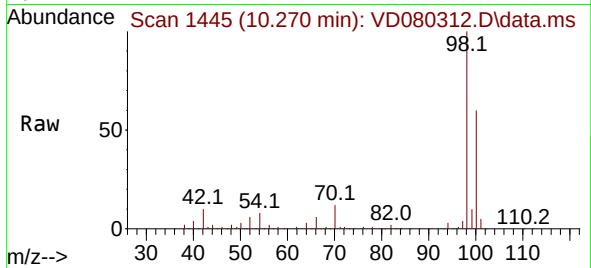




#50
Toluene-d8
Concen: 52.160 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

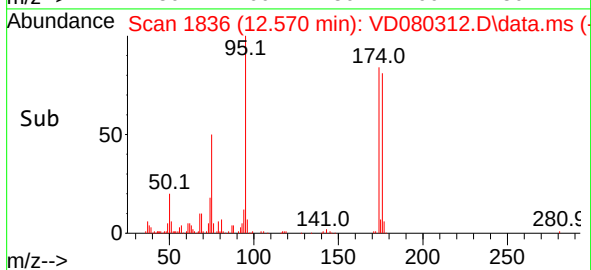
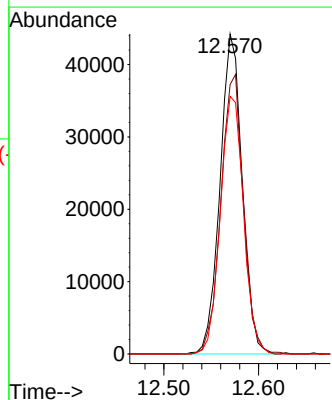
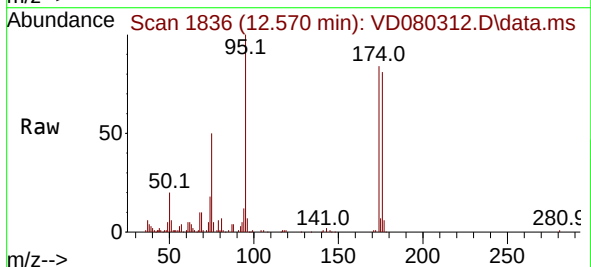
Instrument :
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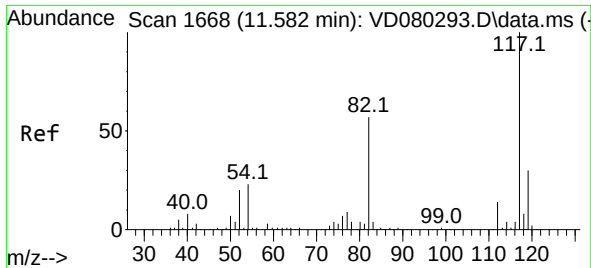
Tgt Ion: 98 Resp: 243842
Ion Ratio Lower Upper
98 100
100 61.1 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 48.087 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion: 95 Resp: 72155
Ion Ratio Lower Upper
95 100
174 88.9 0.0 173.4
176 83.9 0.0 166.6

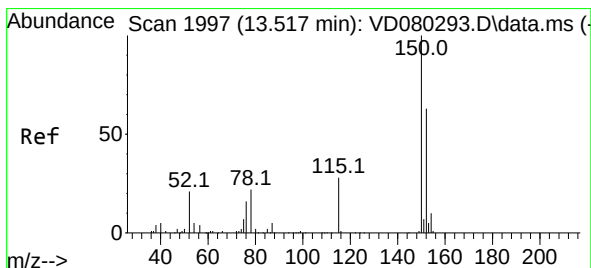
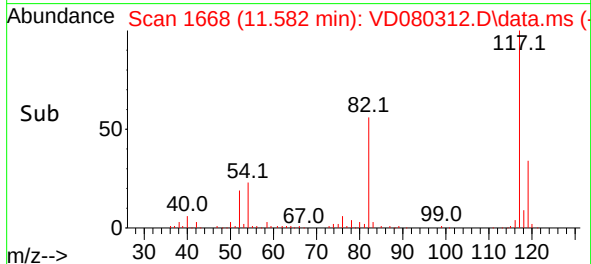
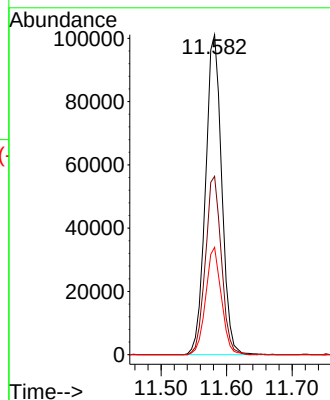
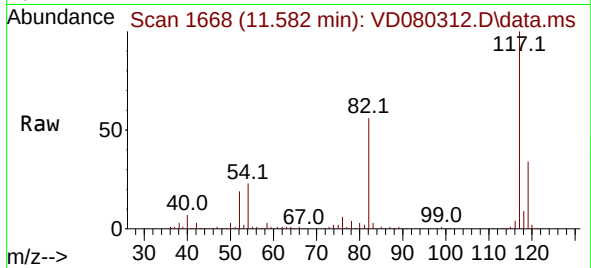




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080312.D
Acq: 13 May 2025 20:11

Instrument :
MSVOA_D
ClientSampleId :
SOIL-STOCK

Tgt Ion:117 Resp: 173854
Ion Ratio Lower Upper
117 100
82 55.7 45.8 68.6
119 33.6 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: VD080312.D
Acq: 13 May 2025 20:11

Tgt Ion:152 Resp: 87711
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.8
150 158.3 0.0 354.8

