

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080326.D
 Acq On : 14 May 2025 17:00
 Operator : RP/MD
 Sample : Q2017-03
 Misc : 4.83G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-I-VOC

Quant Time: May 15 03:37:19 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	63167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	165875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	168705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	75935	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	59000	72.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	144.460%
35) Dibromofluoromethane	7.806	113	67494	60.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.420%
50) Toluene-d8	10.270	98	231684	52.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.780%
62) 4-Bromofluorobenzene	12.576	95	65907	46.876	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.760%

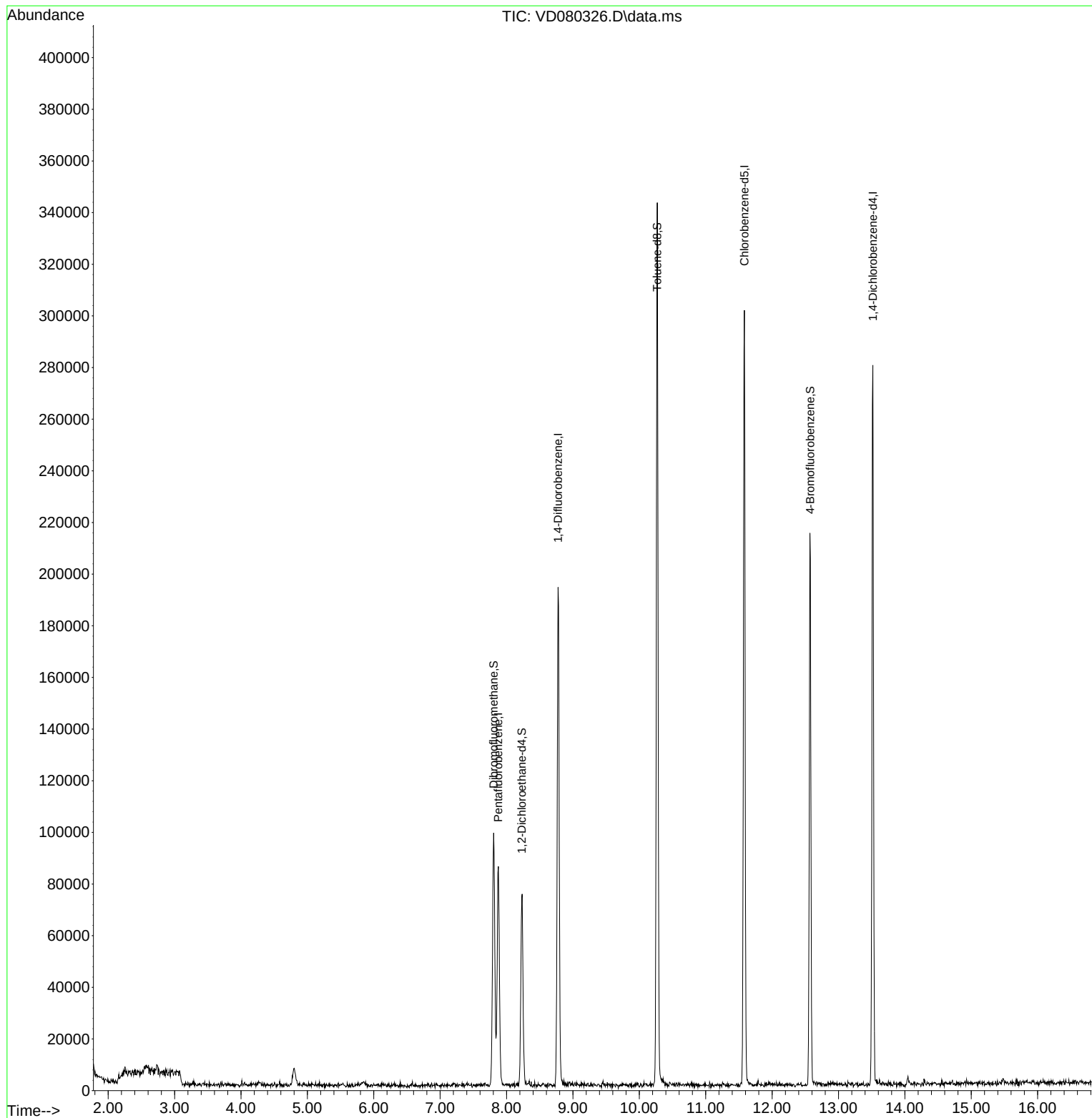
Target Compounds	Qvalue

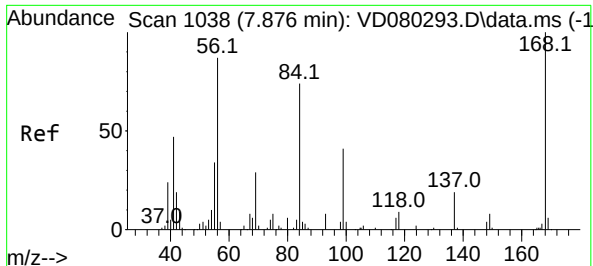
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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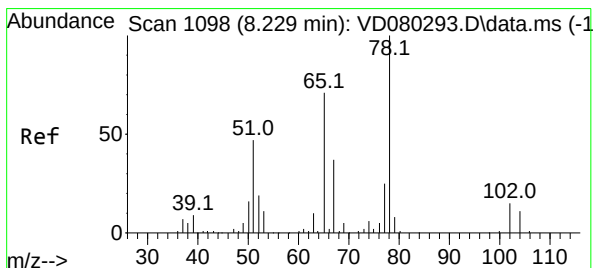
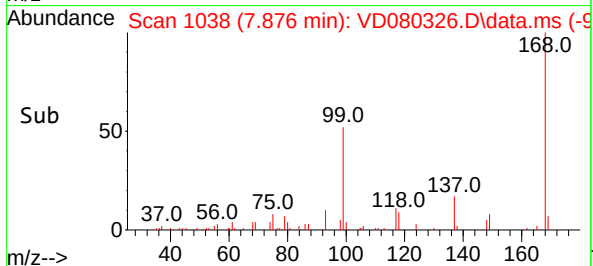
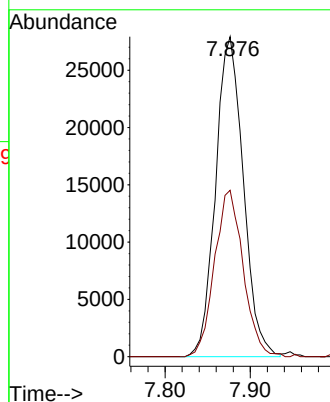
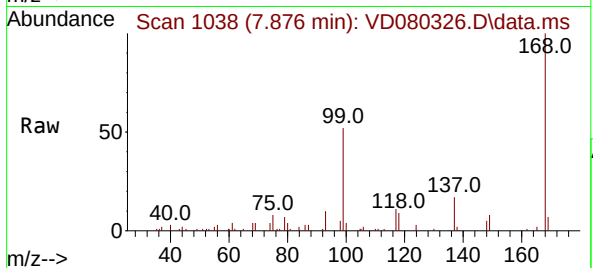




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

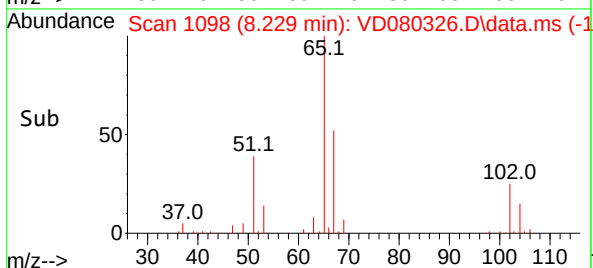
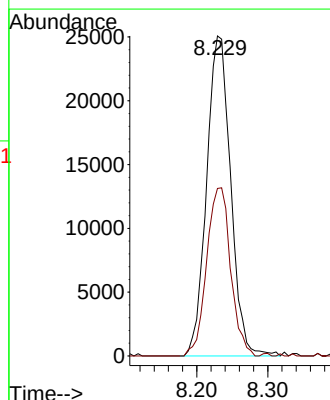
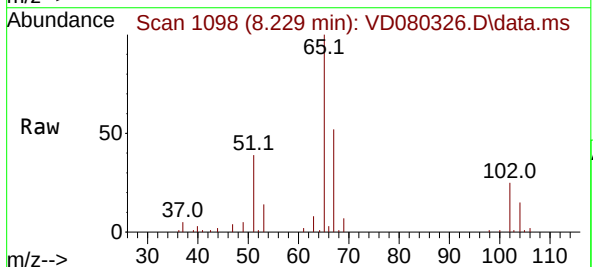
Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

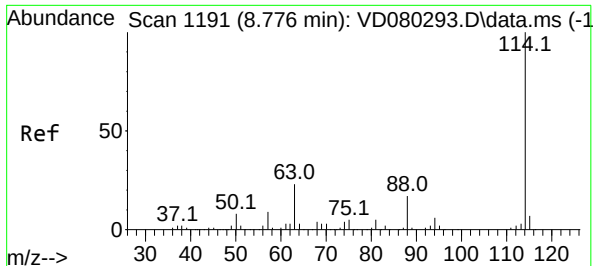
Tgt Ion:168 Resp: 63167
Ion Ratio Lower Upper
168 100
99 52.0 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 72.228 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 65 Resp: 59000
Ion Ratio Lower Upper
65 100
67 52.3 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: VD080326.D

Acq: 14 May 2025 17:00

Instrument :

MSVOA_D

ClientSampleId :

MH-I-VOC

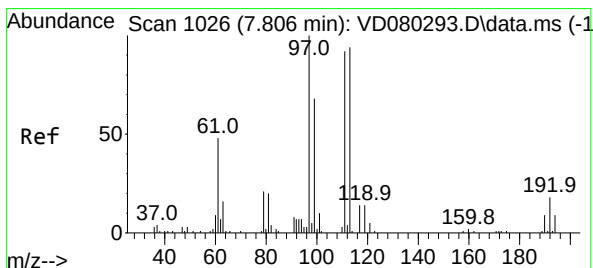
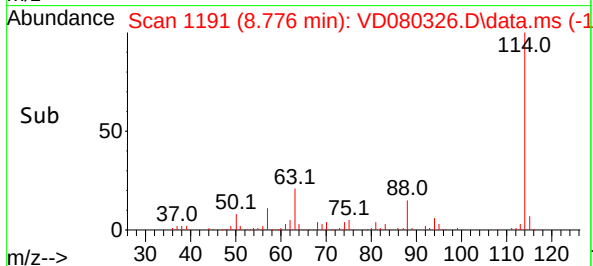
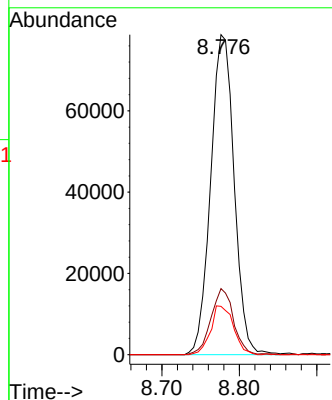
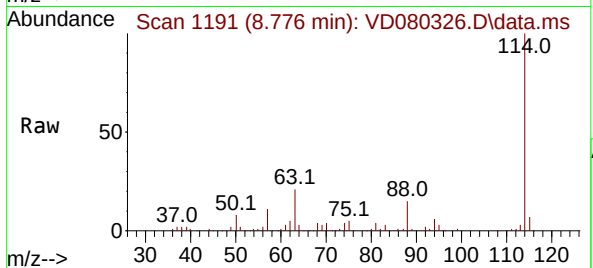
Tgt Ion:114 Resp: 165875

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 60.709 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080326.D

Acq: 14 May 2025 17:00

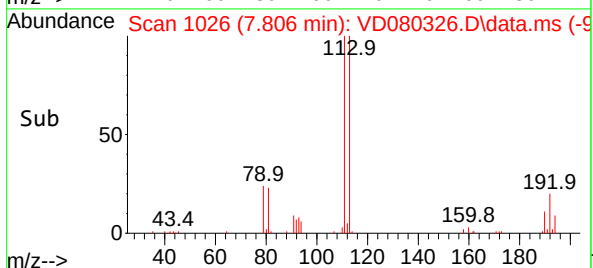
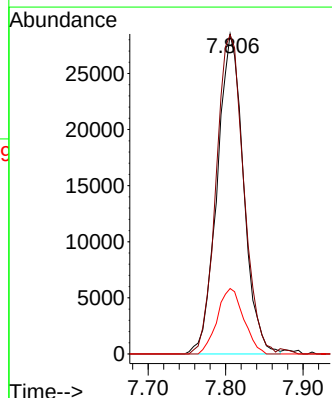
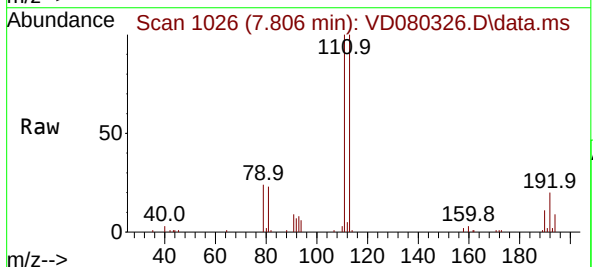
Tgt Ion:113 Resp: 67494

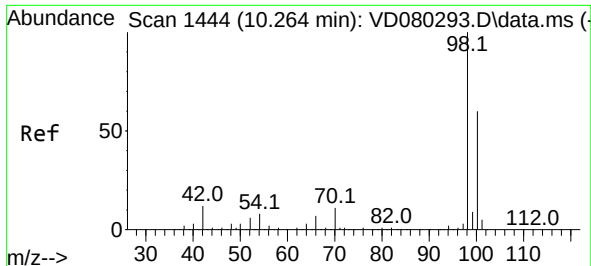
Ion Ratio Lower Upper

113 100

111 103.7 82.5 123.7

192 20.4 16.6 25.0

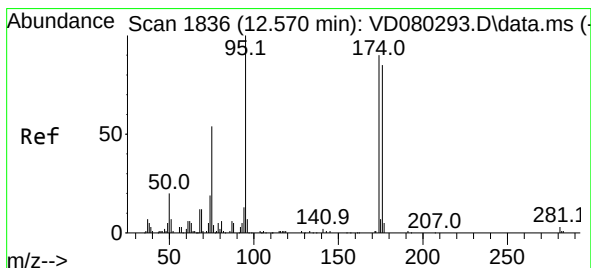
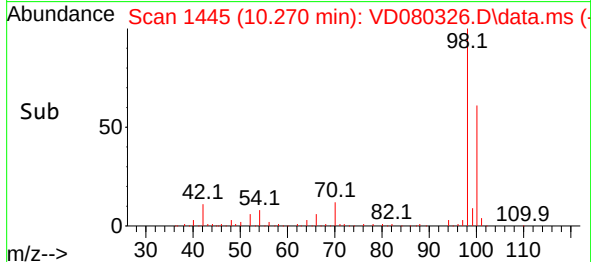
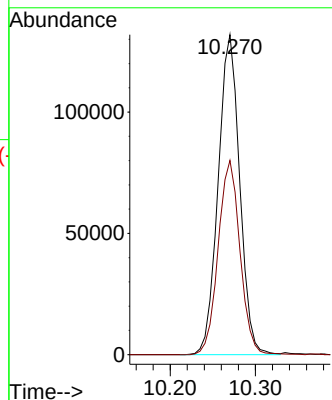
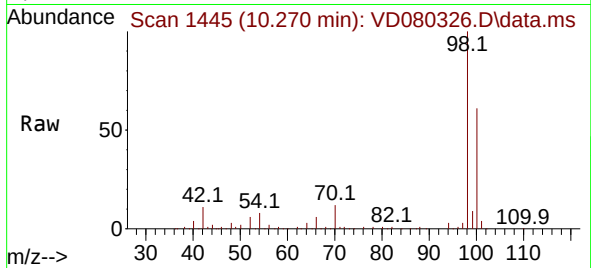




#50
Toluene-d8
Concen: 52.890 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

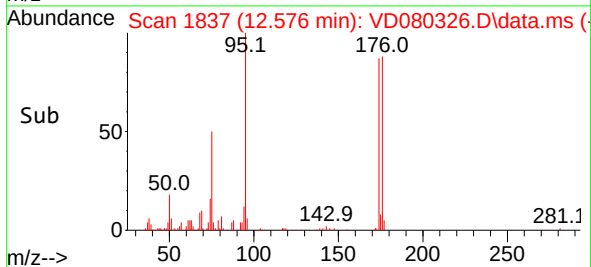
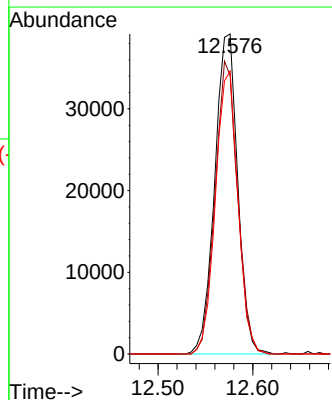
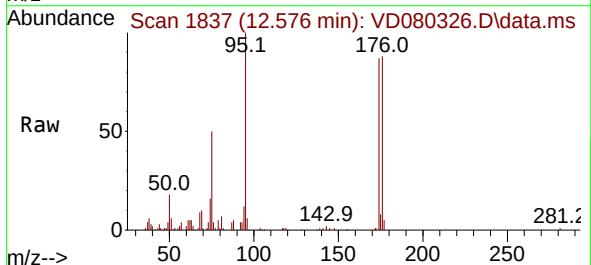
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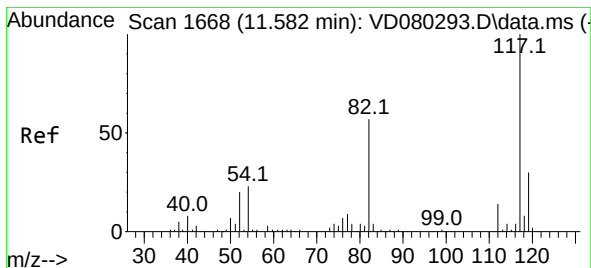
Tgt Ion: 98 Resp: 231684
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion: 95 Resp: 65907
Ion Ratio Lower Upper
95 100
174 89.7 0.0 173.4
176 86.7 0.0 166.6

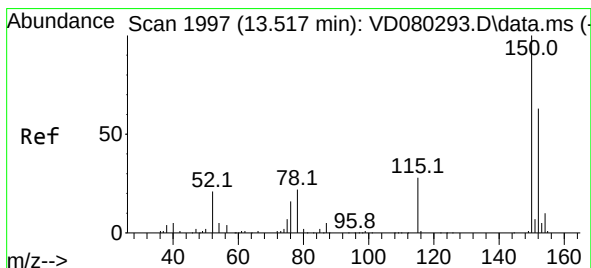
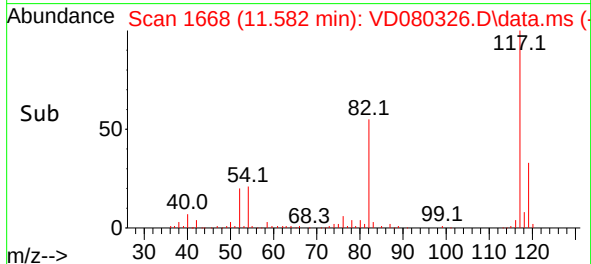
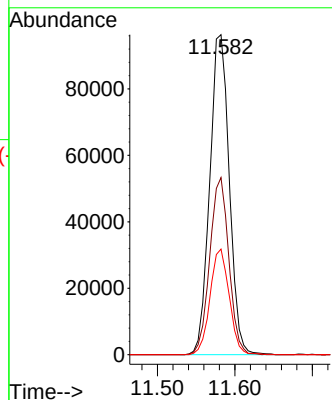
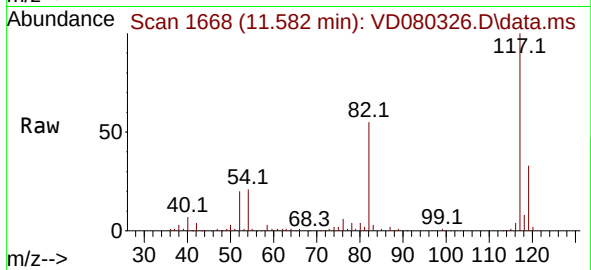




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080326.D
Acq: 14 May 2025 17:00

Instrument :
MSVOA_D
ClientSampleId :
MH-I-VOC

Tgt Ion:117 Resp: 168705
Ion Ratio Lower Upper
117 100
82 55.4 45.8 68.6
119 33.0 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: VD080326.D
Acq: 14 May 2025 17:00

Tgt Ion:152 Resp: 75935
Ion Ratio Lower Upper
152 100
115 56.4 28.9 86.8
150 157.9 0.0 354.8

