

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080367.D
 Acq On : 16 May 2025 13:21
 Operator : RP/MD
 Sample : Q2057-03
 Misc : 4.55G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-L-VOC

Quant Time: May 17 01:19:03 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	12698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	23626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	15365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	6942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	11341	69.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.140%
35) Dibromofluoromethane	7.811	113	10025	63.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.620%
50) Toluene-d8	10.270	98	19587	31.393	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	62.780%
62) 4-Bromofluorobenzene	12.576	95	5821	29.067	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.140%

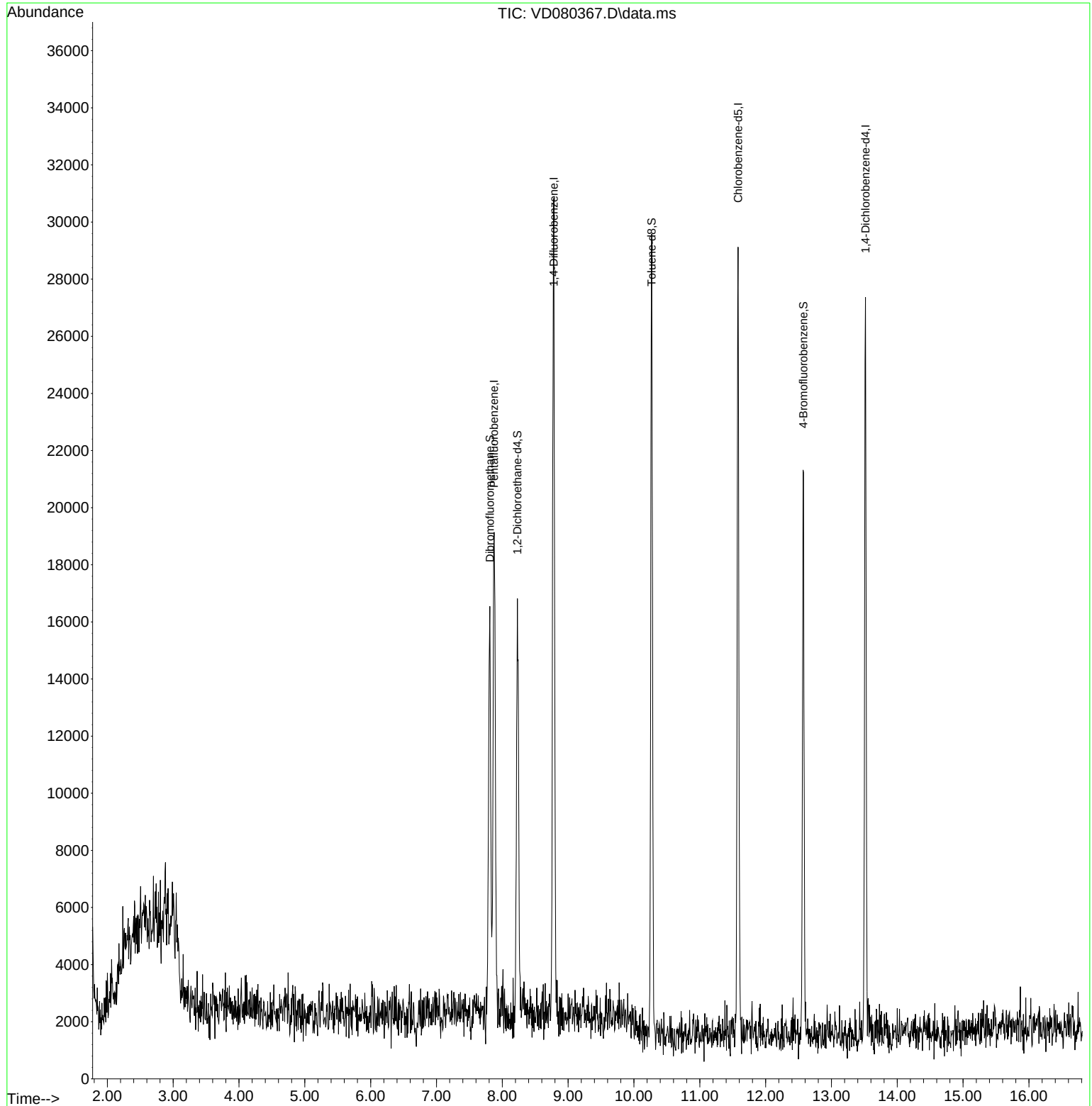
Target Compounds	Qvalue

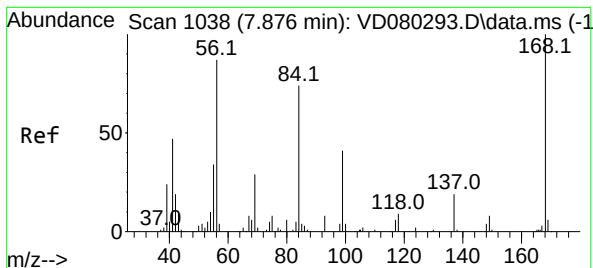
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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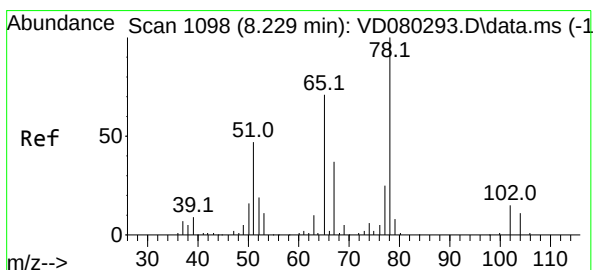
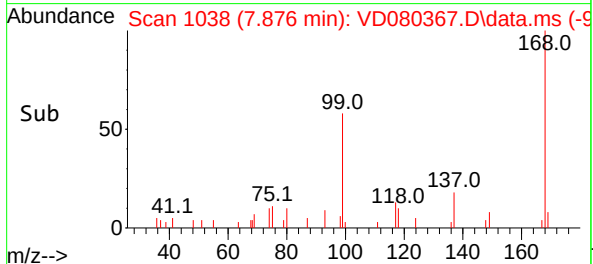
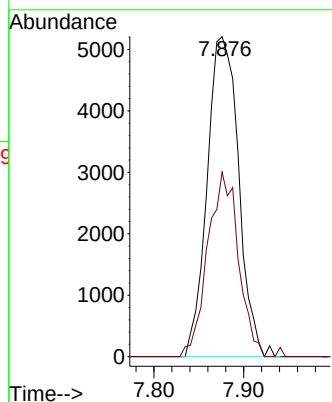
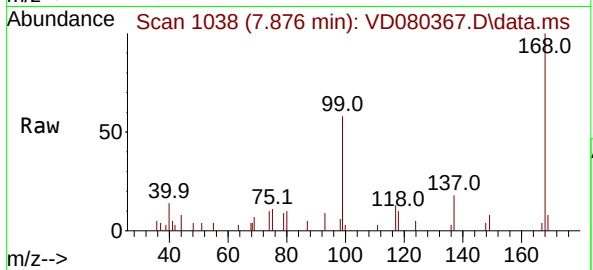




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080367.D
Acq: 16 May 2025 13:21

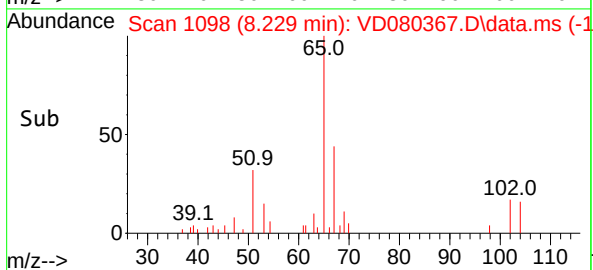
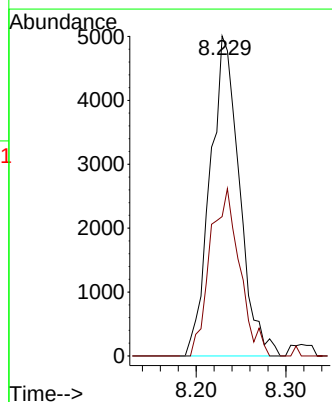
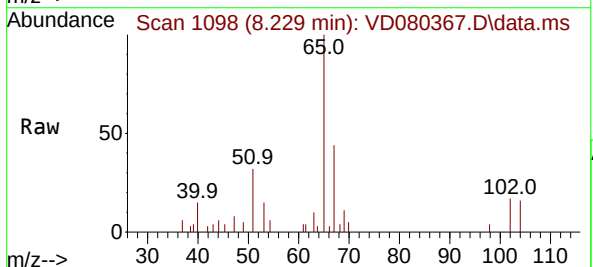
Instrument :
MSVOA_D
ClientSampleId :
MH-L-VOC

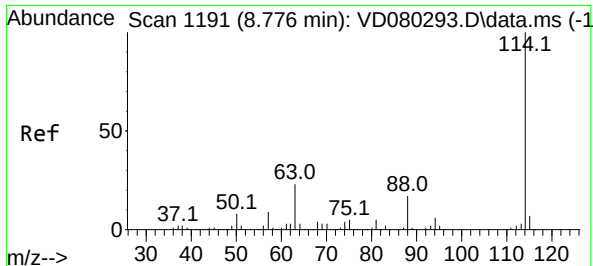
Tgt Ion:168 Resp: 12698
Ion Ratio Lower Upper
168 100
99 57.7 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 69.065 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080367.D
Acq: 16 May 2025 13:21

Tgt Ion: 65 Resp: 11341
Ion Ratio Lower Upper
65 100
67 52.8 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: VD080367.D

Acq: 16 May 2025 13:21

Instrument :

MSVOA_D

ClientSampleId :

MH-L-VOC

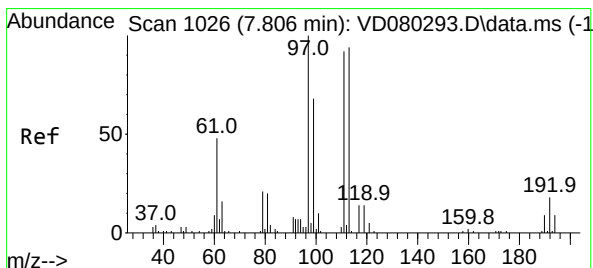
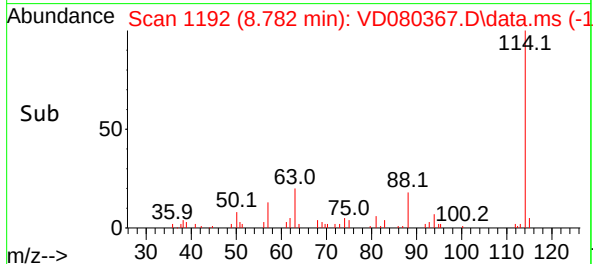
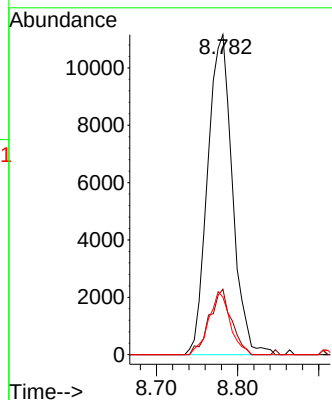
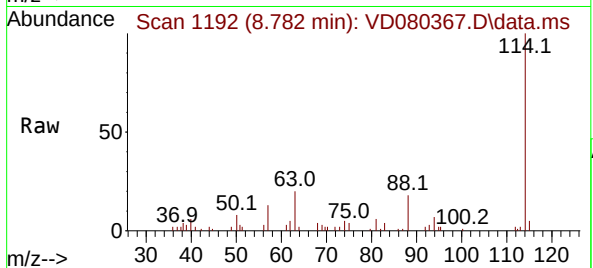
Tgt Ion:114 Resp: 23626

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

88 17.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 63.309 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080367.D

Acq: 16 May 2025 13:21

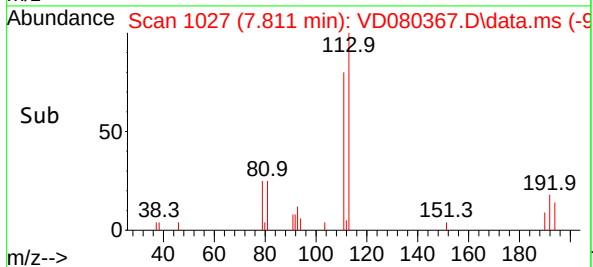
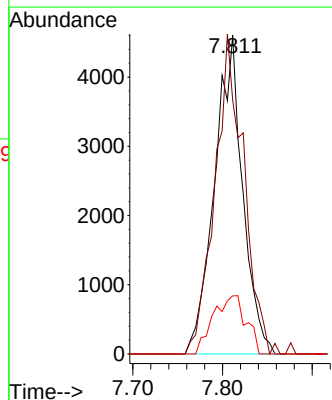
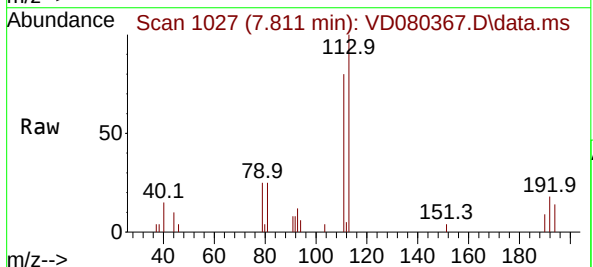
Tgt Ion:113 Resp: 10025

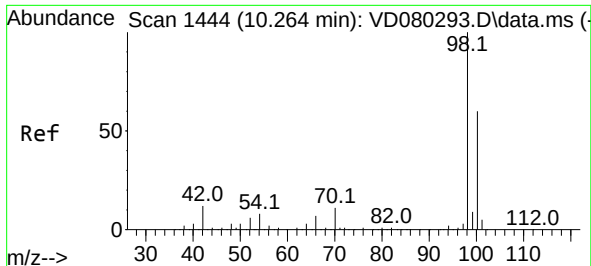
Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

192 21.2 16.6 25.0

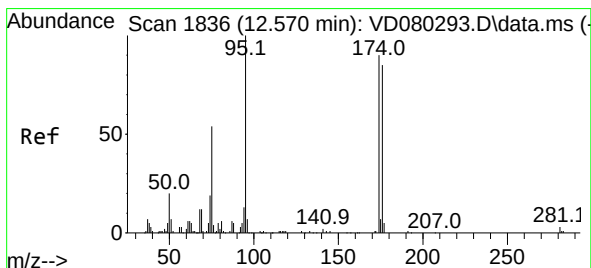
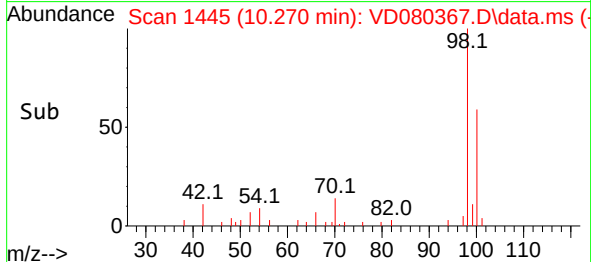
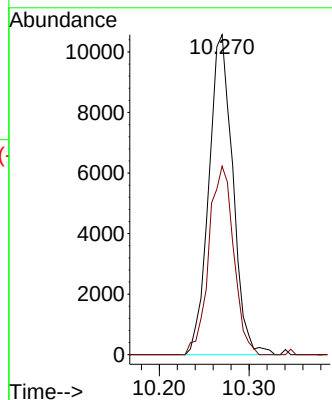
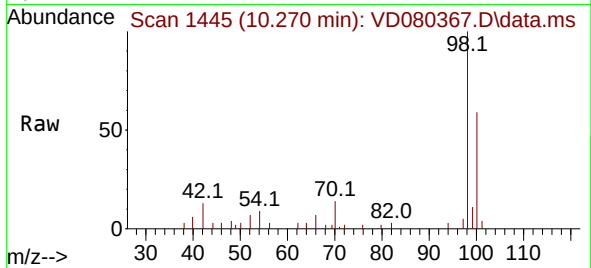




#50
Toluene-d8
Concen: 31.393 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080367.D
Acq: 16 May 2025 13:21

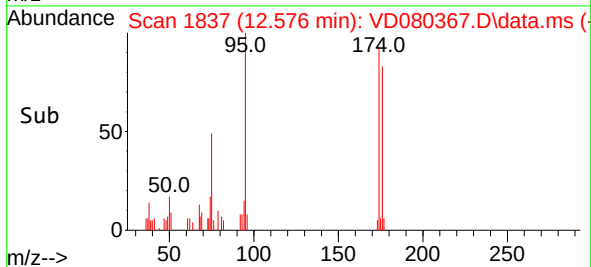
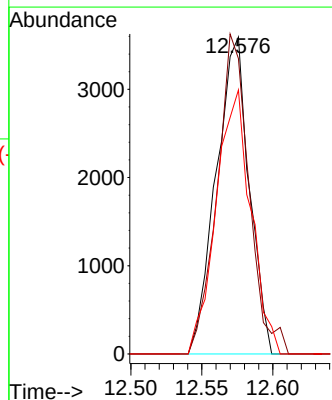
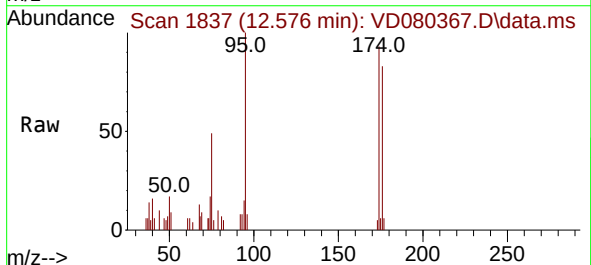
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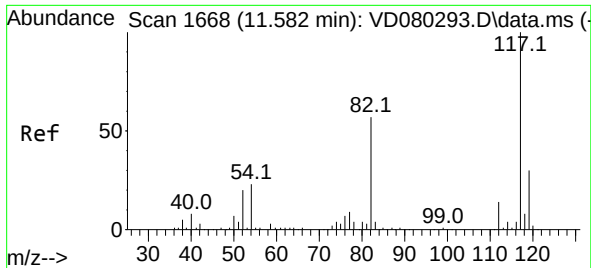
Tgt Ion: 98 Resp: 19587
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 29.067 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080367.D
Acq: 16 May 2025 13:21

Tgt Ion: 95 Resp: 5821
Ion Ratio Lower Upper
95 100
174 97.2 0.0 173.4
176 87.7 0.0 166.6

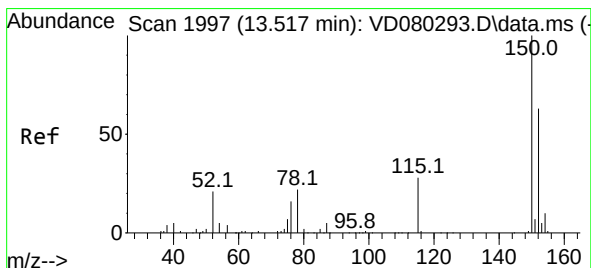
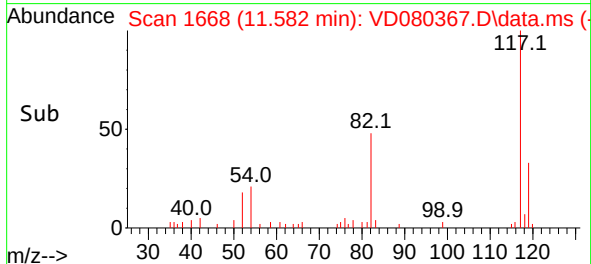
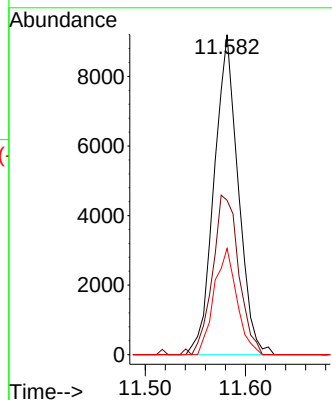
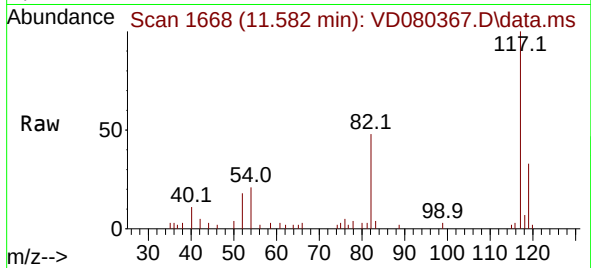




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080367.D
Acq: 16 May 2025 13:21

Instrument :
MSVOA_D
ClientSampleId :
MH-L-VOC

Tgt Ion:	117	Resp:	15365
Ion	Ratio	Lower	Upper
117	100		
82	48.2	45.8	68.6
119	33.2	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: VD080367.D
Acq: 16 May 2025 13:21

Tgt Ion:	152	Resp:	6942
Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.9	86.8
150	156.6	0.0	354.8

