

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080375.D
 Acq On : 16 May 2025 16:52
 Operator : RP/MD
 Sample : Q2056-03
 Misc : 7.69G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD13

Quant Time: May 17 01:21:52 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	64588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	150608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	115858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	62040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	43312	51.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.720%
35) Dibromofluoromethane	7.805	113	42404	42.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.020%
50) Toluene-d8	10.270	98	154774	38.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.820%
62) 4-Bromofluorobenzene	12.570	95	53721	42.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.160%

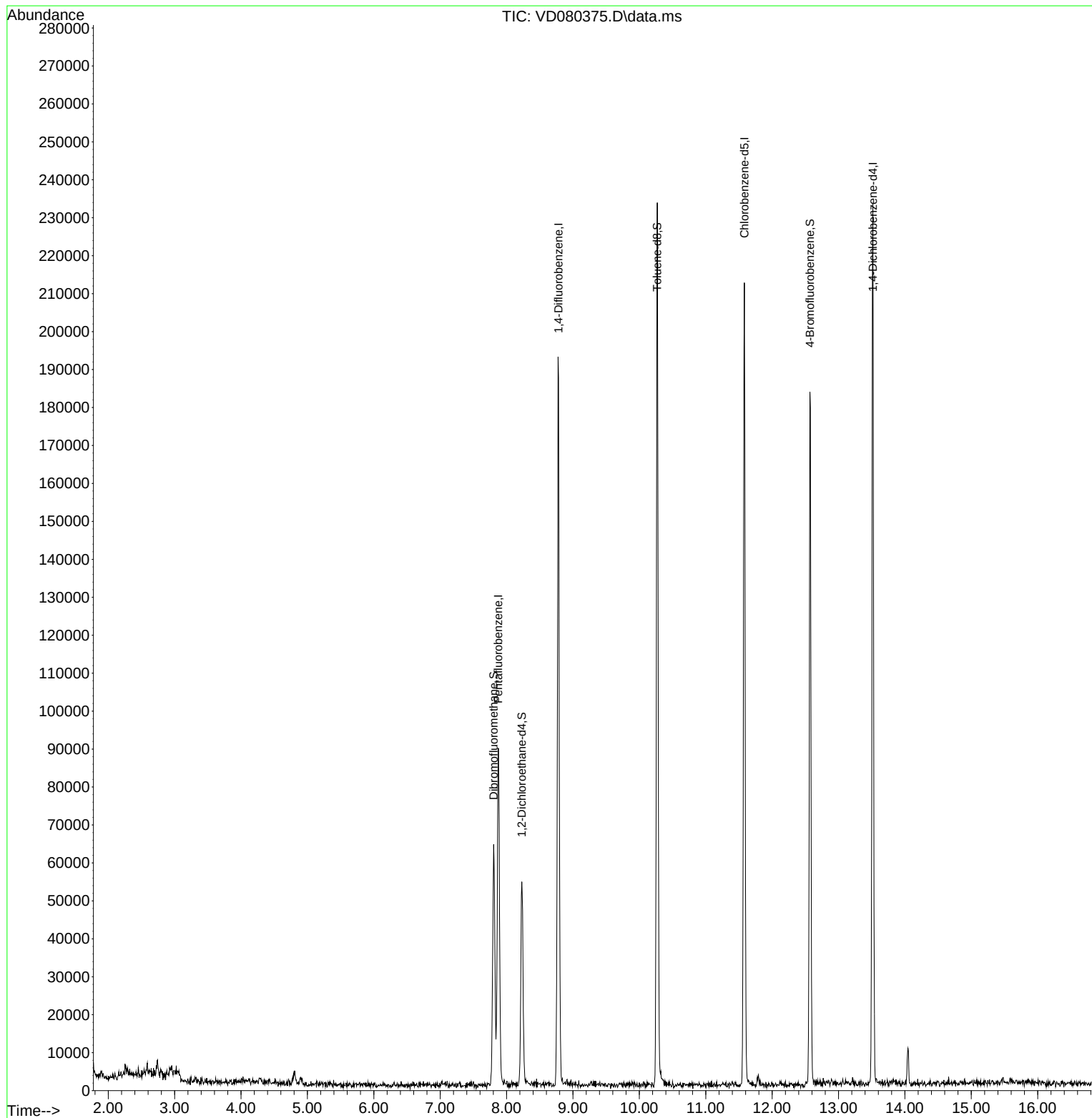
Target Compounds	Qvalue

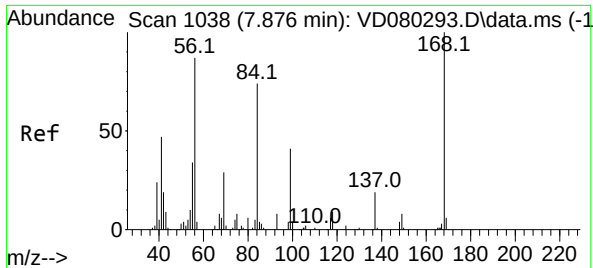
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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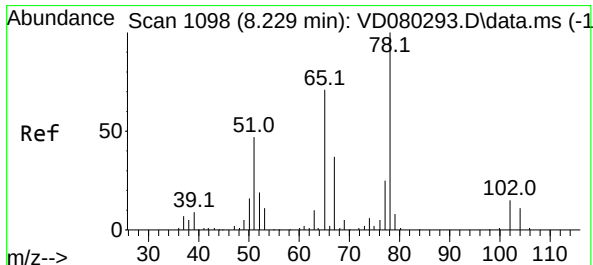
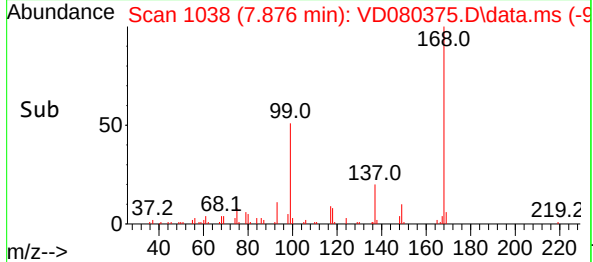
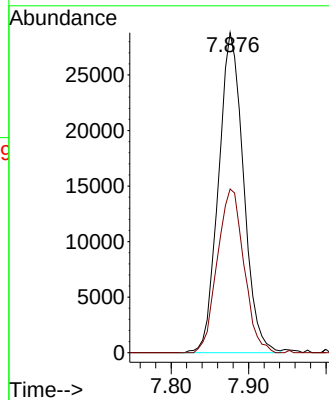
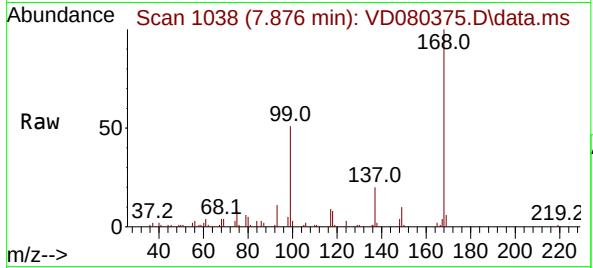




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

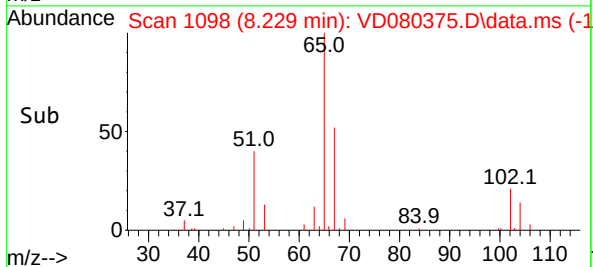
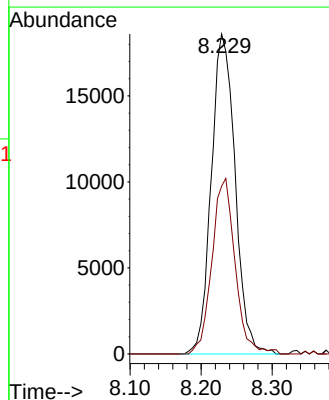
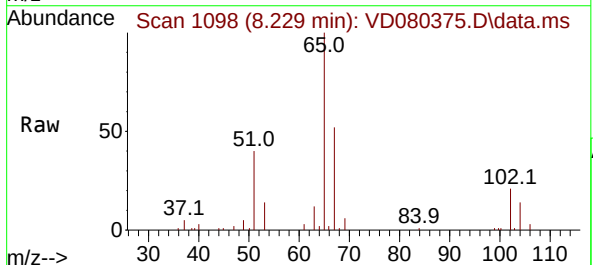
Instrument :
MSVOA_D
ClientSampleId :
GVD13

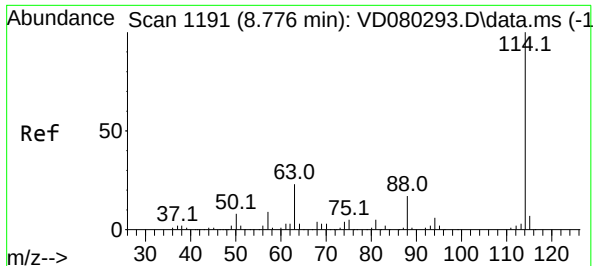
Tgt Ion:168 Resp: 64588
Ion Ratio Lower Upper
168 100
99 51.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 51.856 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 65 Resp: 43312
Ion Ratio Lower Upper
65 100
67 53.4 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: VD080375.D

Acq: 16 May 2025 16:52

Instrument :

MSVOA_D

ClientSampleId :

GVD13

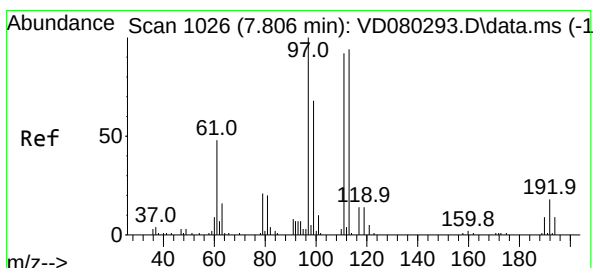
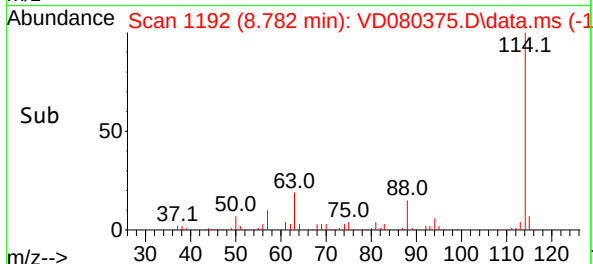
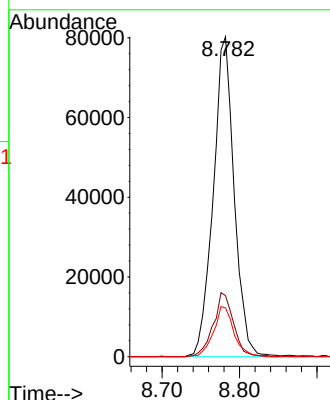
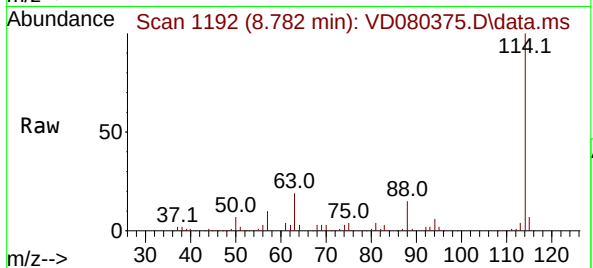
Tgt Ion:114 Resp: 150608

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 42.008 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080375.D

Acq: 16 May 2025 16:52

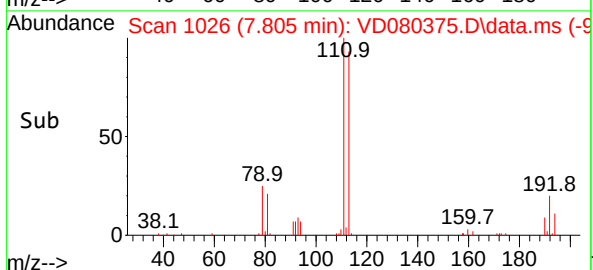
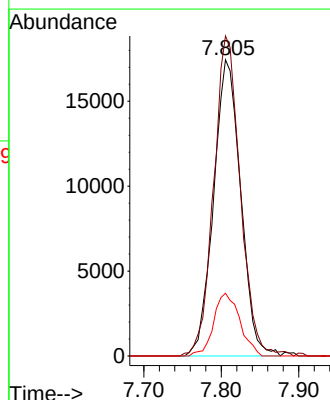
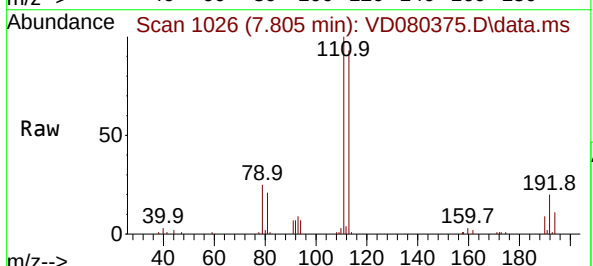
Tgt Ion:113 Resp: 42404

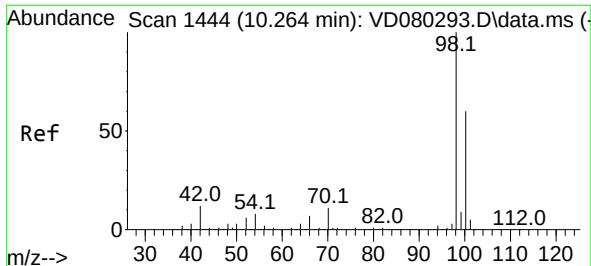
Ion Ratio Lower Upper

113 100

111 106.0 82.5 123.7

192 20.4 16.6 25.0

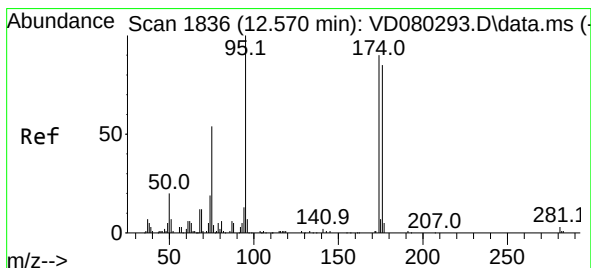
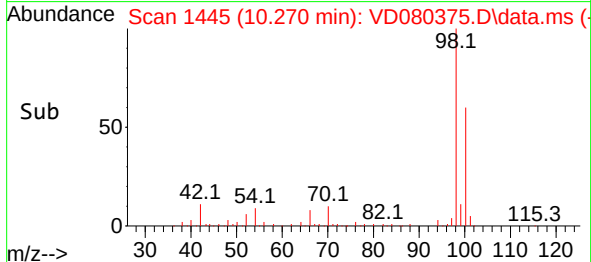
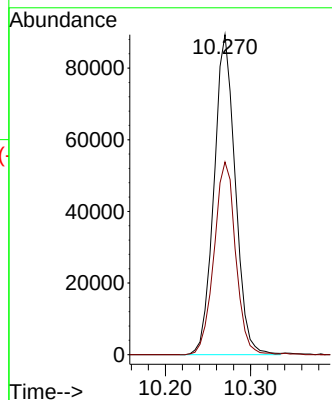
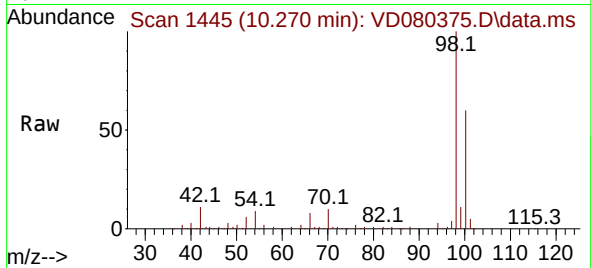




#50
Toluene-d8
Concen: 38.915 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

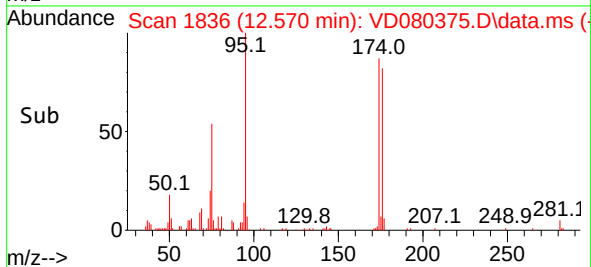
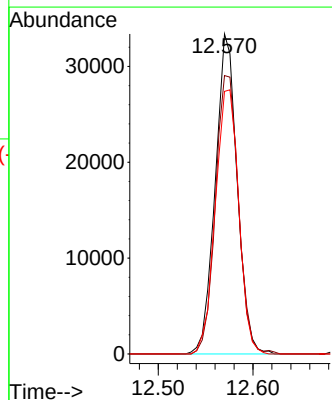
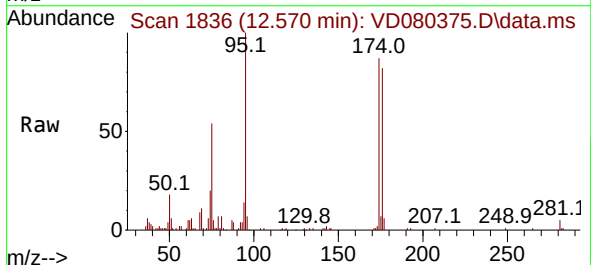
Instrument :
MSVOA_D
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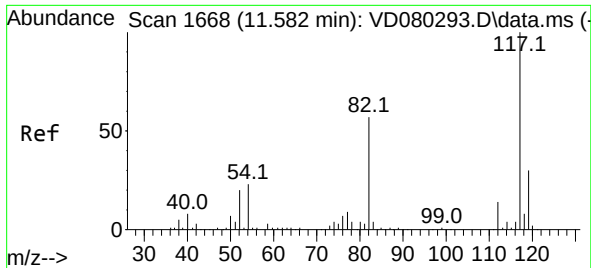
Tgt Ion: 98 Resp: 154774
Ion Ratio Lower Upper
98 100
100 61.2 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 42.082 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion: 95 Resp: 53721
Ion Ratio Lower Upper
95 100
174 91.4 0.0 173.4
176 88.2 0.0 166.6

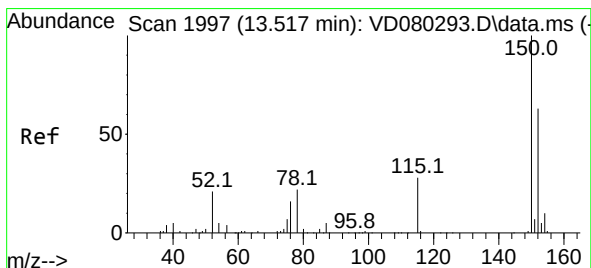
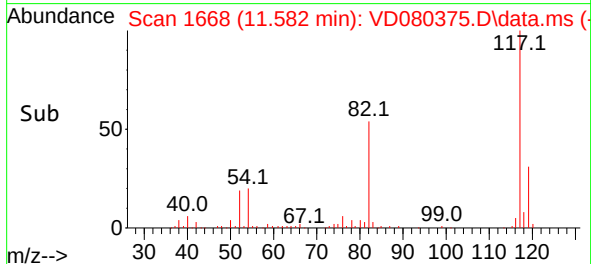
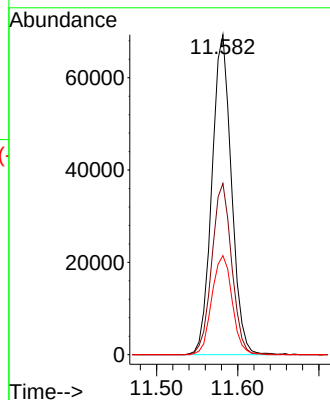
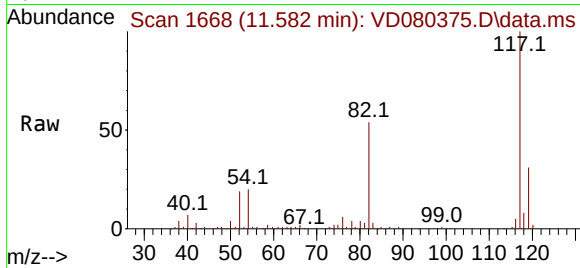




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 115858
Delta R.T. 0.001 min
Lab File: VD080375.D
Acq: 16 May 2025 16:52

Instrument :
MSVOA_D
ClientSampleId :
GVD13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.8	68.6
119	30.9	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: VD080375.D
Acq: 16 May 2025 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.9	86.8
150	161.0	0.0	354.8

