

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080374.D
 Acq On : 16 May 2025 16:25
 Operator : RP/MD
 Sample : Q2056-02
 Misc : 7.39G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD12

Quant Time: May 17 01:21:33 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	87216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	163225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	164240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	84202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	51873	45.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.980%
35) Dibromofluoromethane	7.811	113	56302	51.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.270	98	177390	41.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.300%
62) 4-Bromofluorobenzene	12.570	95	60865	43.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.980%

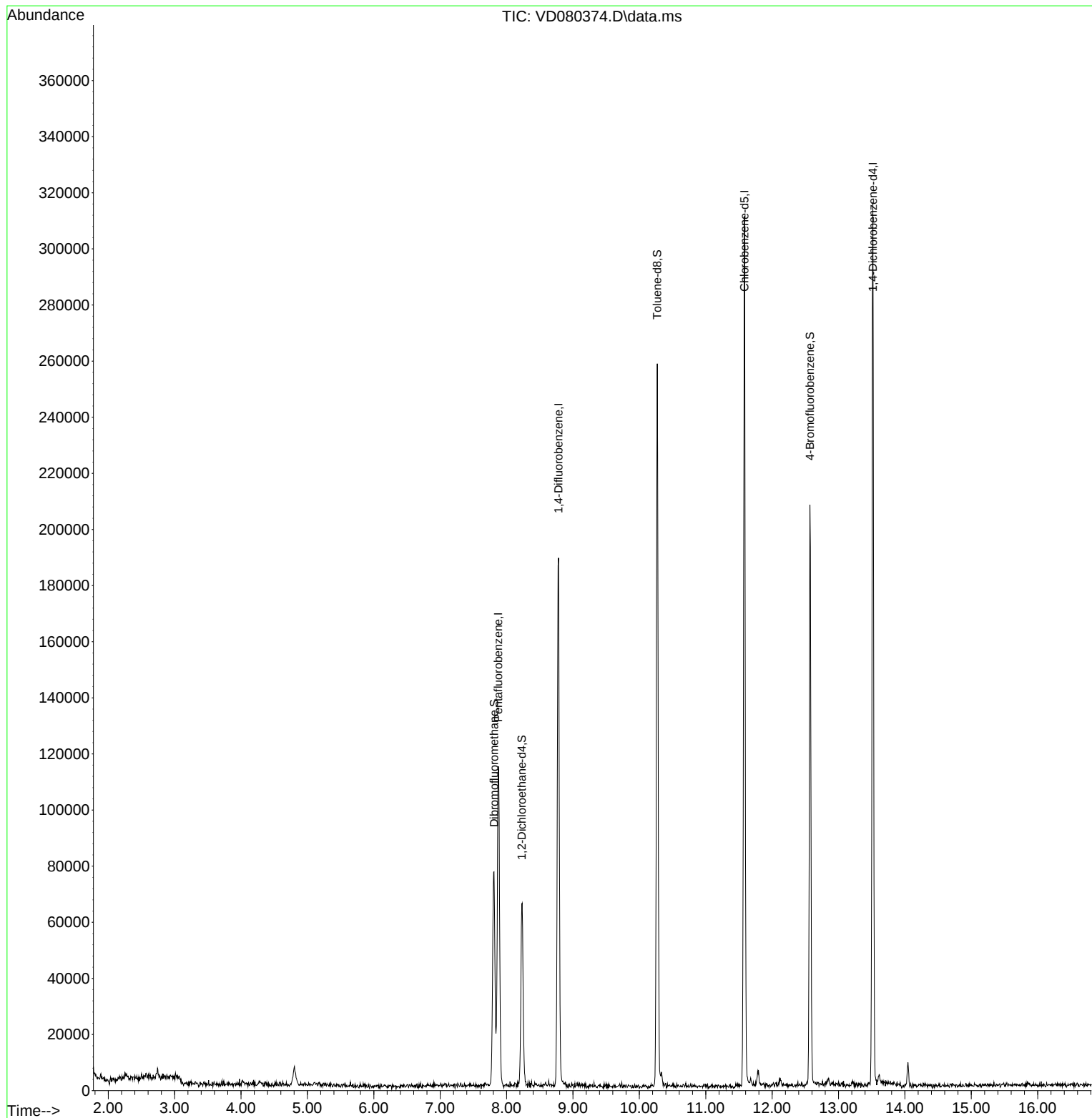
Target Compounds	Qvalue

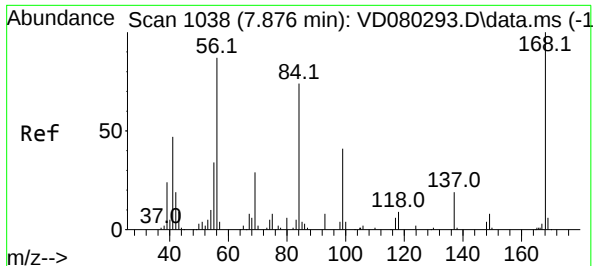
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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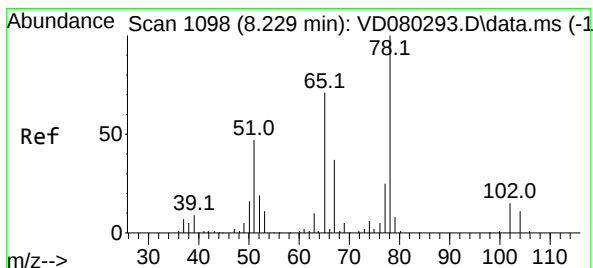
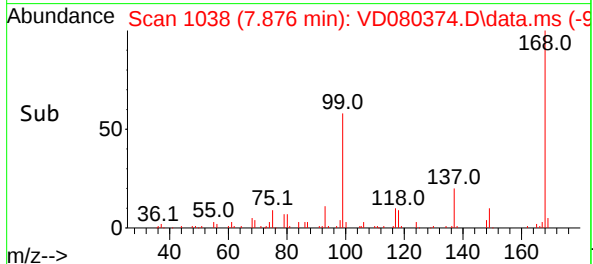
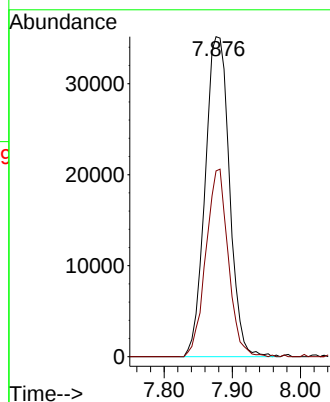
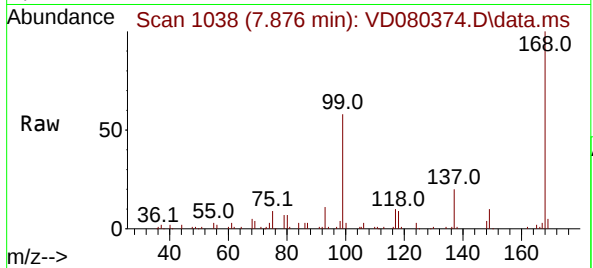




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

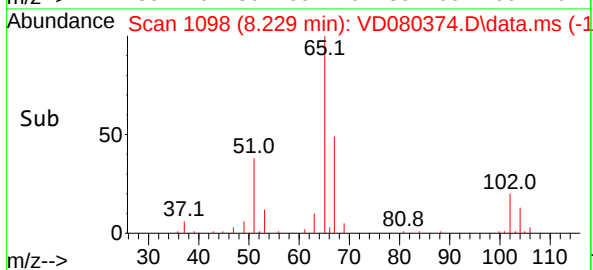
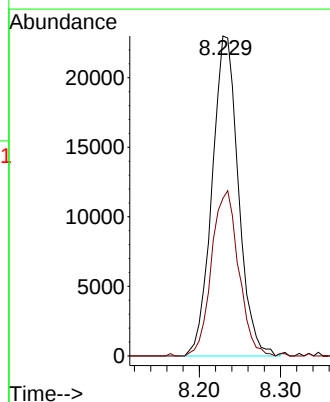
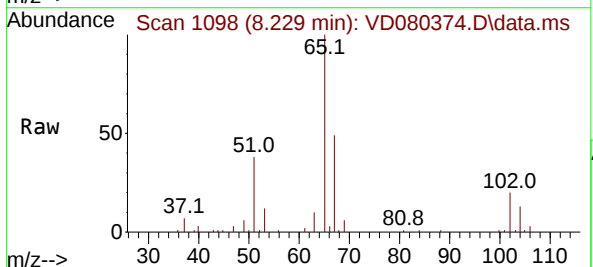
Instrument :
MSVOA_D
ClientSampleId :
GVD12

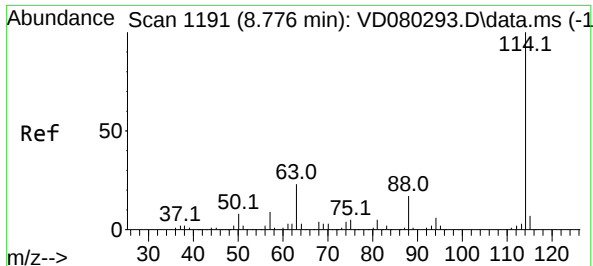
Tgt Ion:168 Resp: 87216
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 45.993 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion: 65 Resp: 51873
Ion Ratio Lower Upper
65 100
67 53.1 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: VD080374.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

GVD12

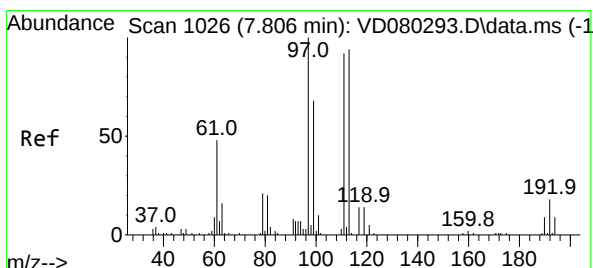
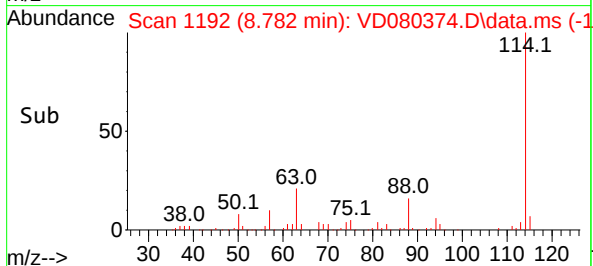
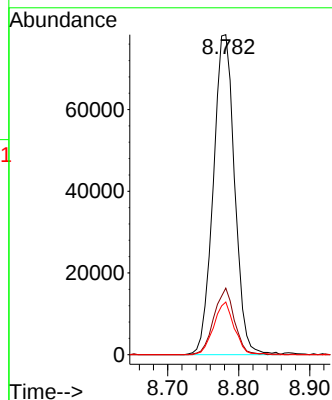
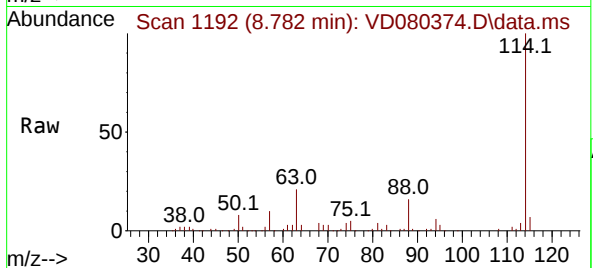
Tgt Ion:114 Resp: 163225

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.465 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080374.D

Acq: 16 May 2025 16:25

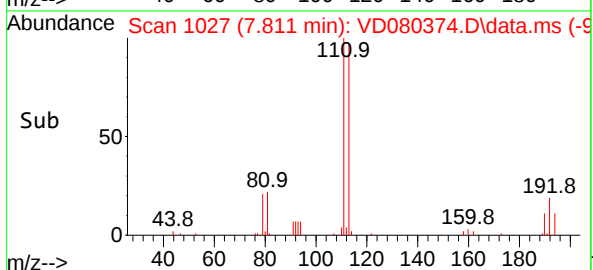
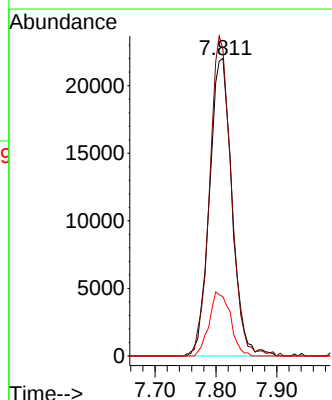
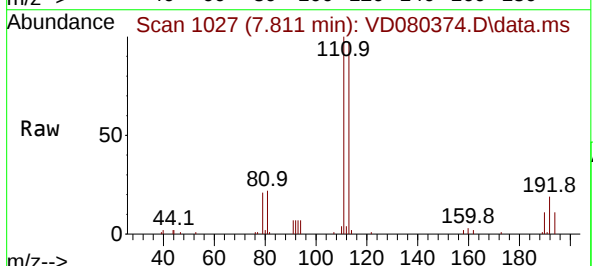
Tgt Ion:113 Resp: 56302

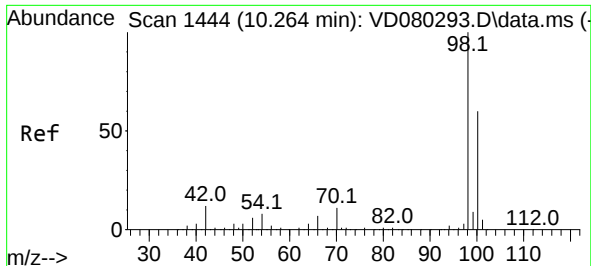
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 20.3 16.6 25.0

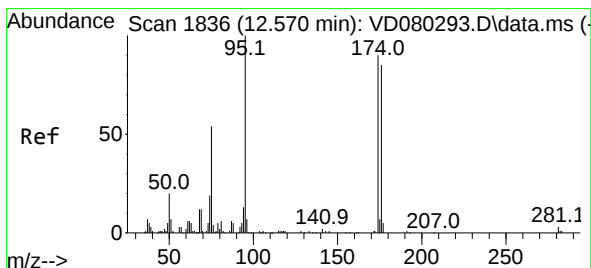
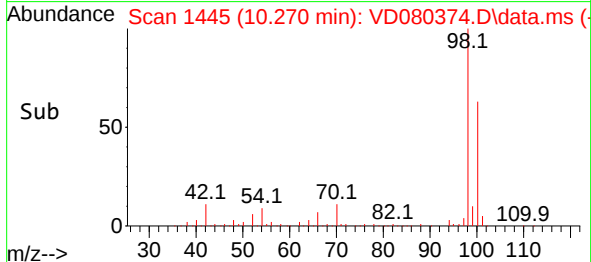
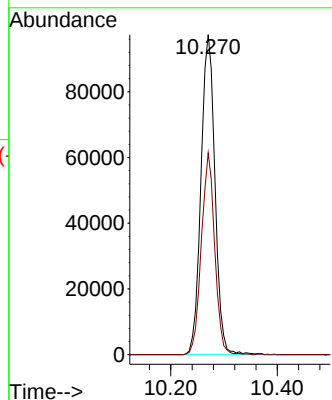
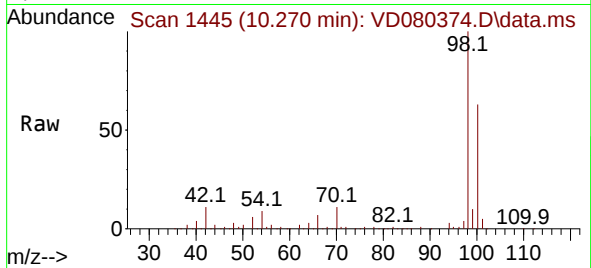




#50
Toluene-d8
Concen: 41.153 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

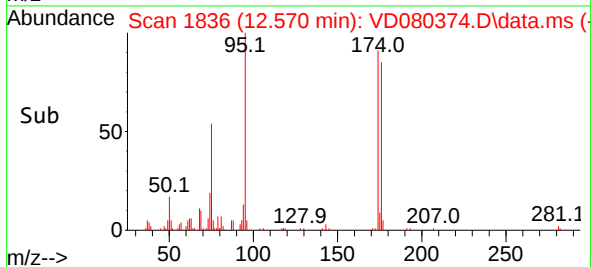
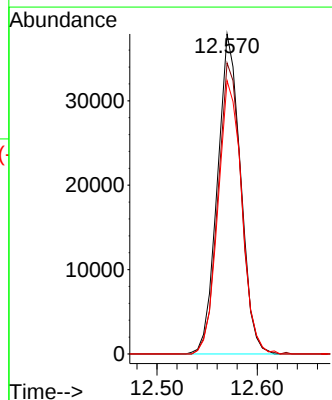
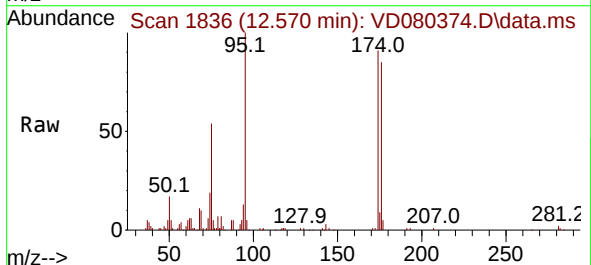
Instrument :
MSVOA_D
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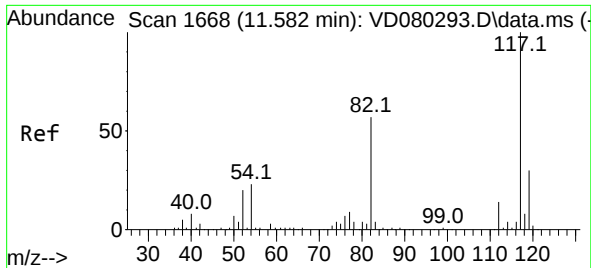
Tgt Ion: 98 Resp: 177390
Ion Ratio Lower Upper
98 100
100 60.3 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 43.993 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion: 95 Resp: 60865
Ion Ratio Lower Upper
95 100
174 91.7 0.0 173.4
176 87.7 0.0 166.6

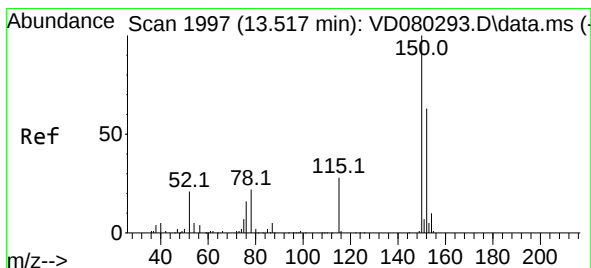
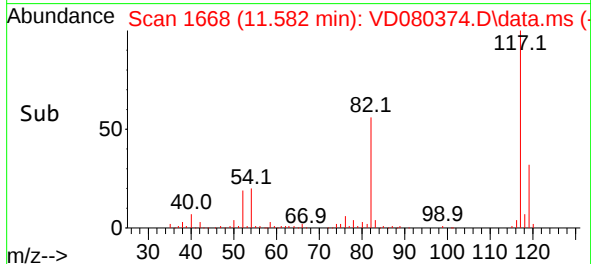
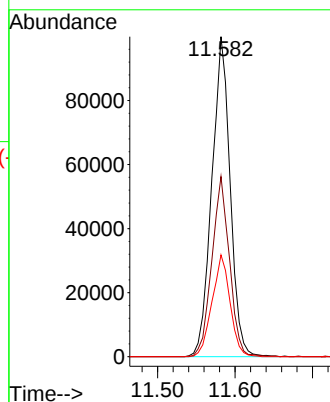
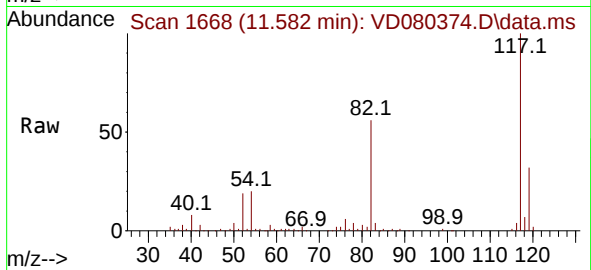




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080374.D
Acq: 16 May 2025 16:25

Instrument :
MSVOA_D
ClientSampleId :
GVD12

Tgt Ion:117 Resp: 164240
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 31.8 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: VD080374.D
Acq: 16 May 2025 16:25

Tgt Ion:152 Resp: 84202
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.8
150 155.9 0.0 354.8

