

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020822\
 Data File : VD071925.D
 Acq On : 08 Feb 2022 18:40
 Operator : VA/SY
 Sample : N1436-01
 Misc : 6.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 289

Quant Time: Feb 09 04:01:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	448953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	846453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	794432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	333198	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	297581	52.441	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.880%
35) Dibromofluoromethane	7.909	113	277419	49.860	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.332	98	1100530	52.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.920%
62) 4-Bromofluorobenzene	12.620	95	368355	50.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.520%

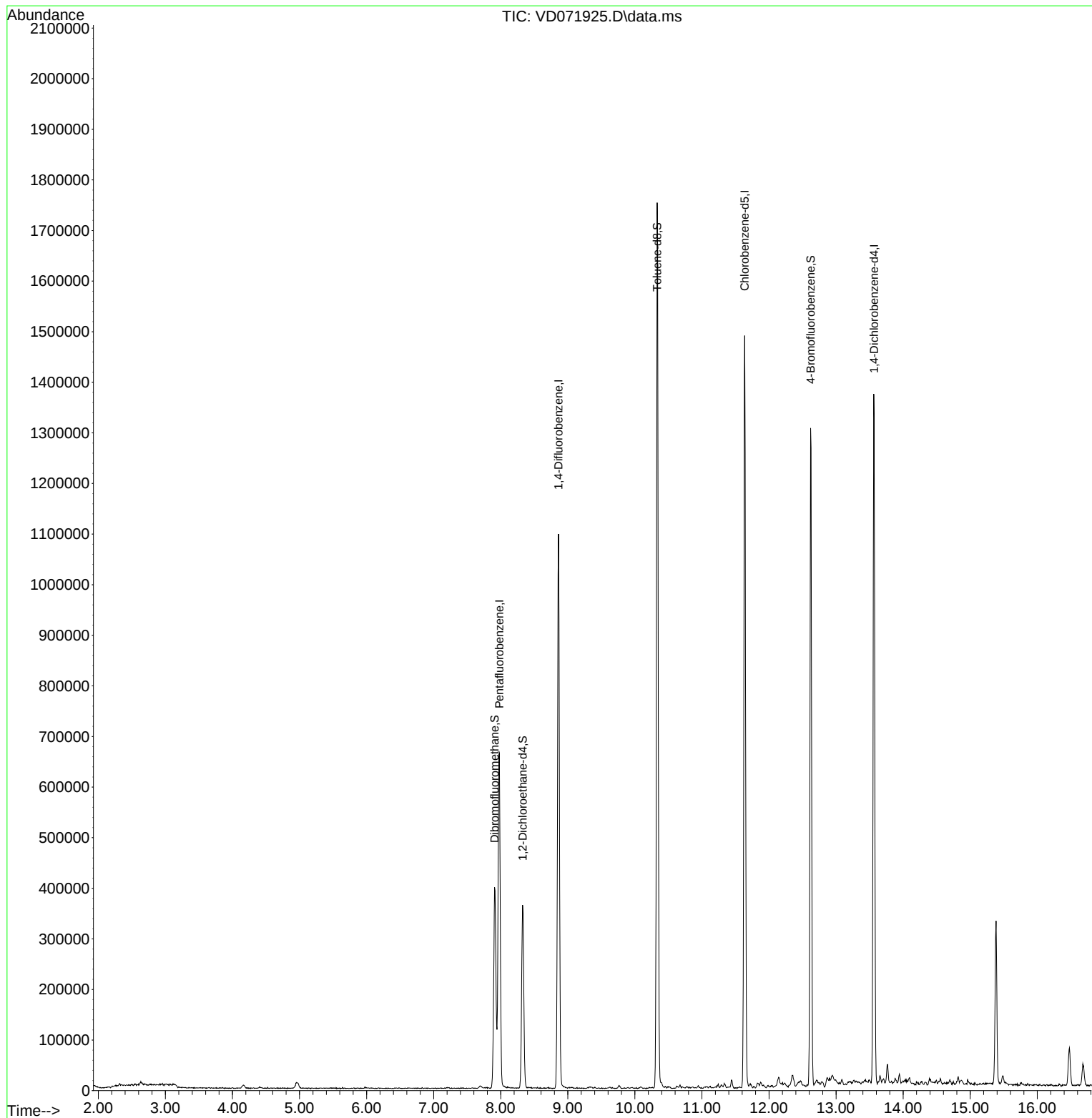
Target Compounds	Qvalue

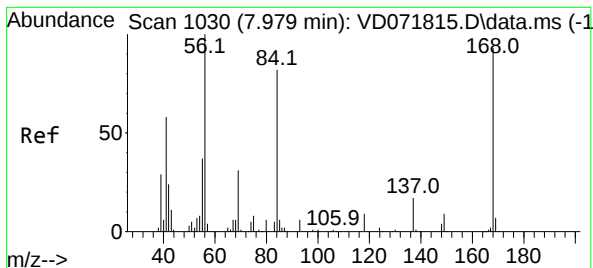
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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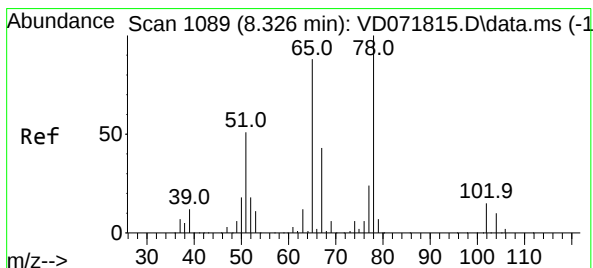
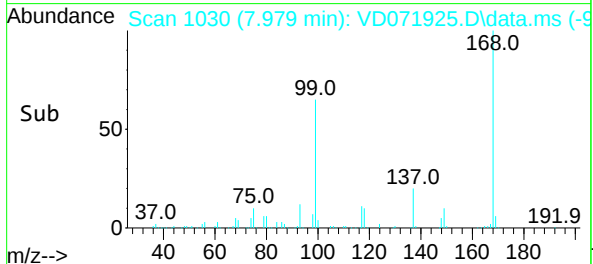
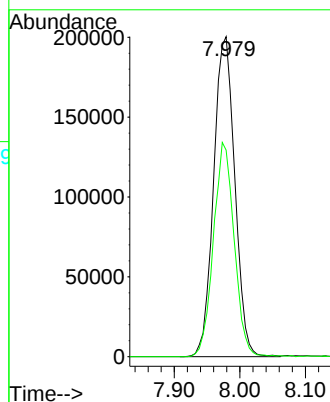
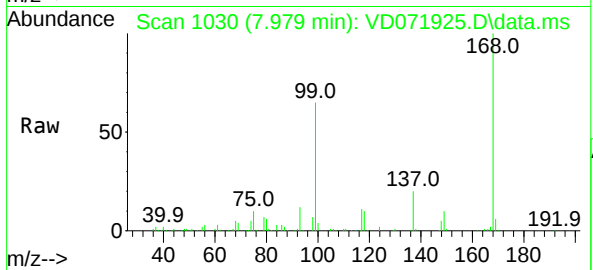




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

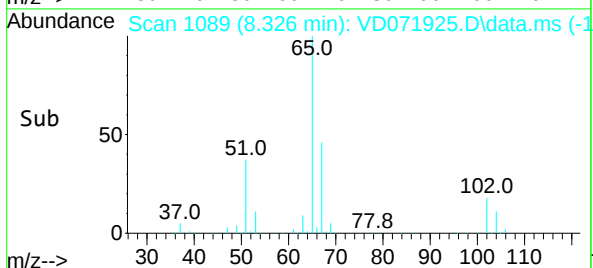
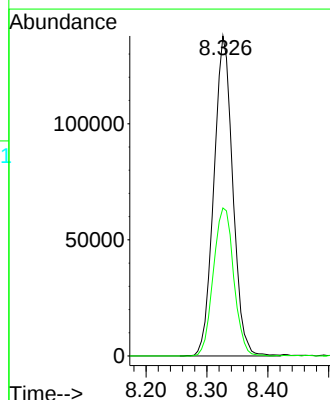
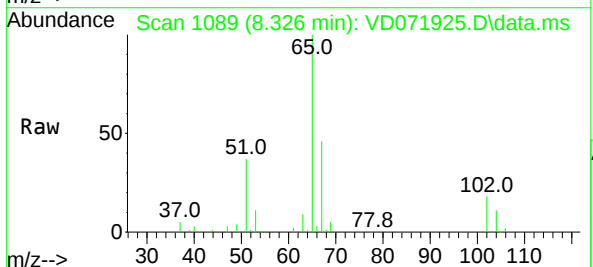
Instrument :
MSVOA_D
ClientSampleId :
289

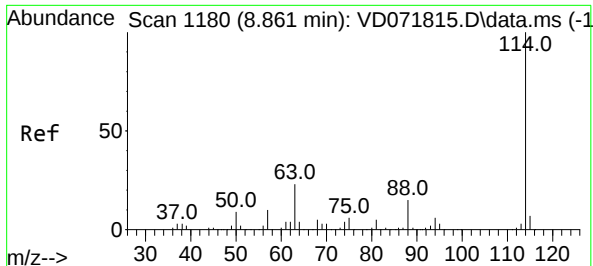
Tgt Ion:168 Resp: 448953
Ion Ratio Lower Upper
168 100
99 64.6 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 52.441 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 65 Resp: 297581
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

289

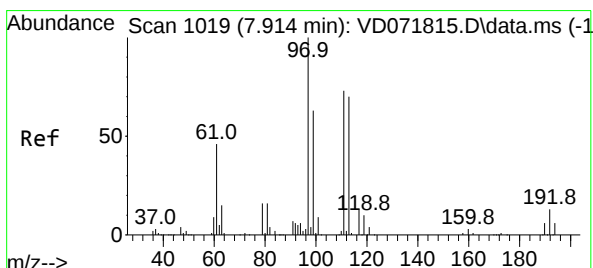
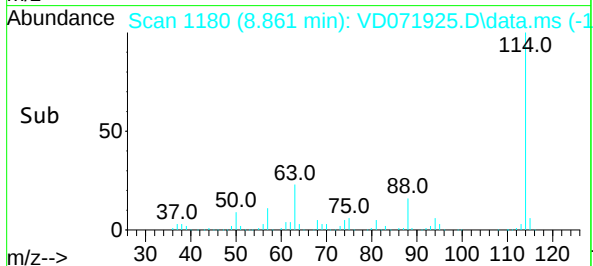
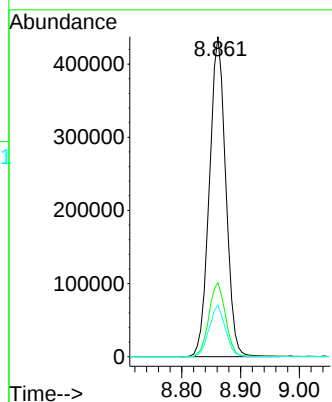
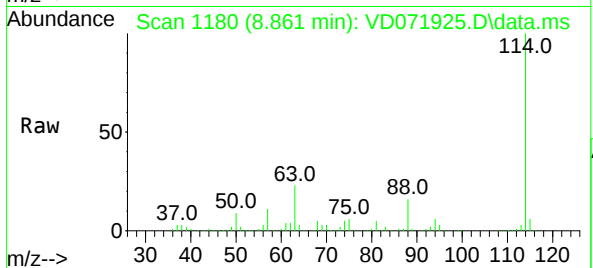
Tgt Ion:114 Resp: 846453

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.860 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

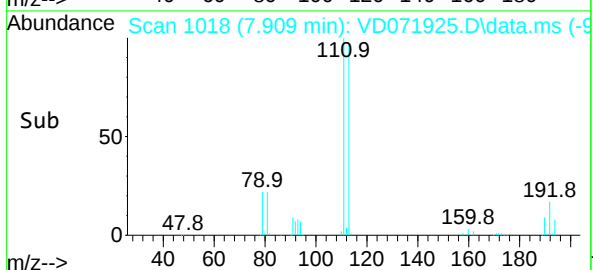
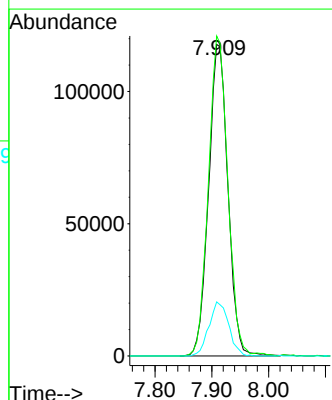
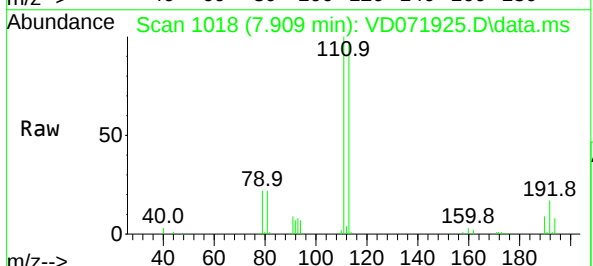
Tgt Ion:113 Resp: 277419

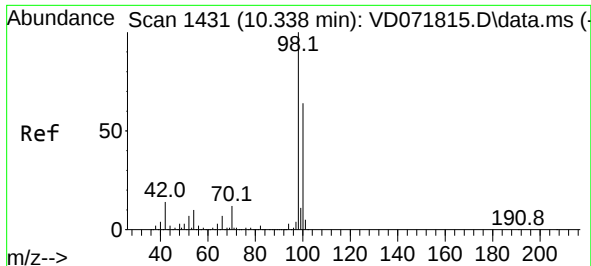
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.8 14.6 21.8

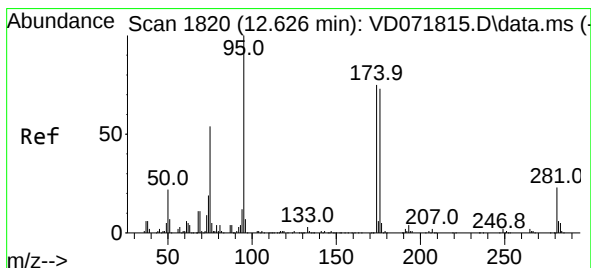
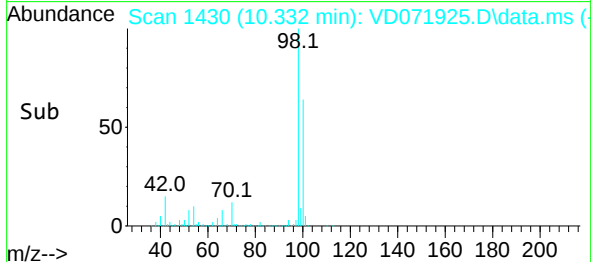
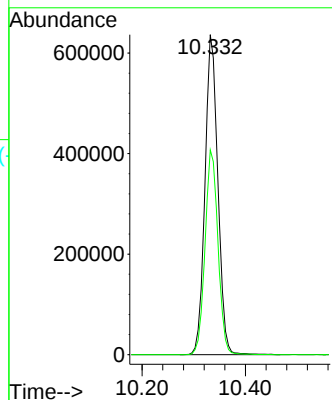
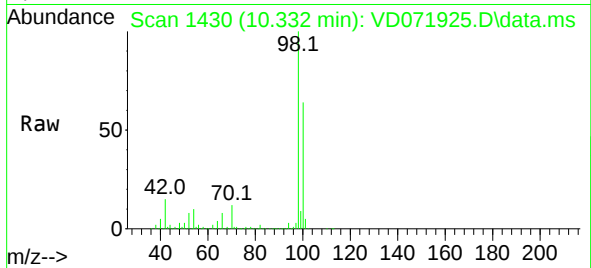




#50
Toluene-d8
Concen: 52.962 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

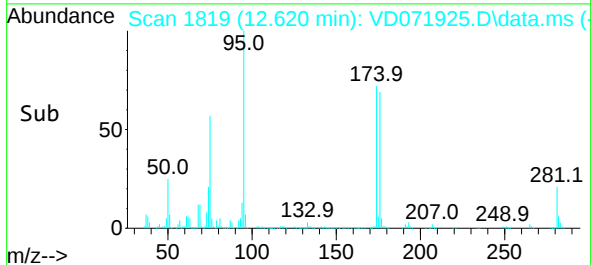
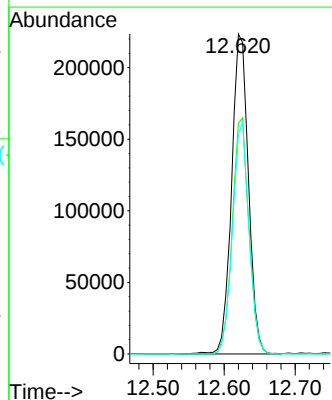
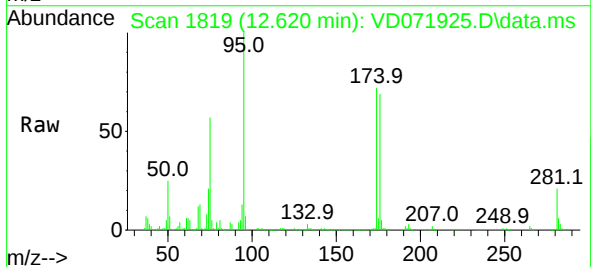
Instrument :
MSVOA_D
ClientSampleId :
289

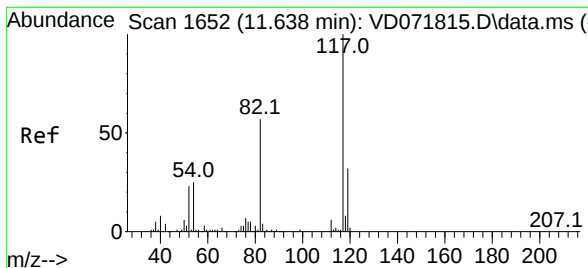
Tgt Ion: 98 Resp: 1100530
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 50.762 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 95 Resp: 368355
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.8
176 70.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

289

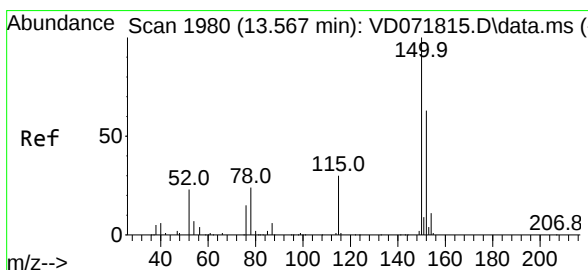
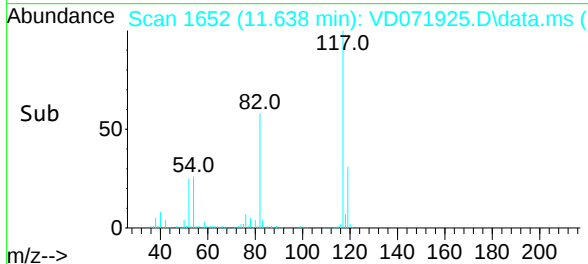
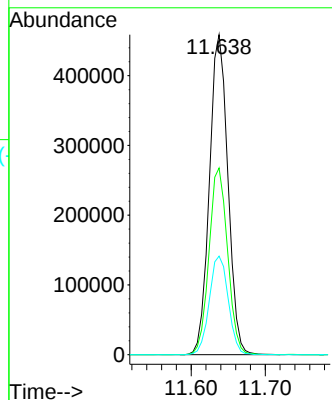
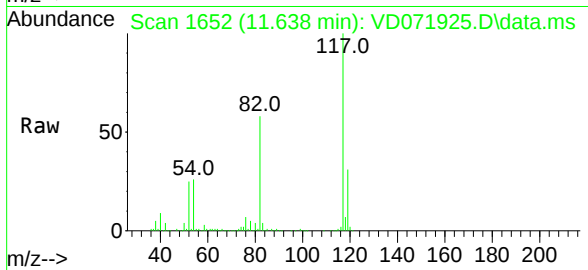
Tgt Ion:117 Resp: 794432

Ion Ratio Lower Upper

117 100

82 58.3 45.3 67.9

119 30.8 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Tgt Ion:152 Resp: 333198

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

150 156.3 0.0 348.6

