

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073926.D
 Acq On : 02 Aug 2022 14:57
 Operator : VA/SY
 Sample : N3996-04
 Misc : 5.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CD

Quant Time: Aug 03 04:12:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	109740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	229067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	234425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	106634	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	67911	77.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.560%
35) Dibromofluoromethane	7.903	113	82230	57.777	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.560%
50) Toluene-d8	10.332	98	290402	60.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	121.140%
62) 4-Bromofluorobenzene	12.620	95	99897	56.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.320%

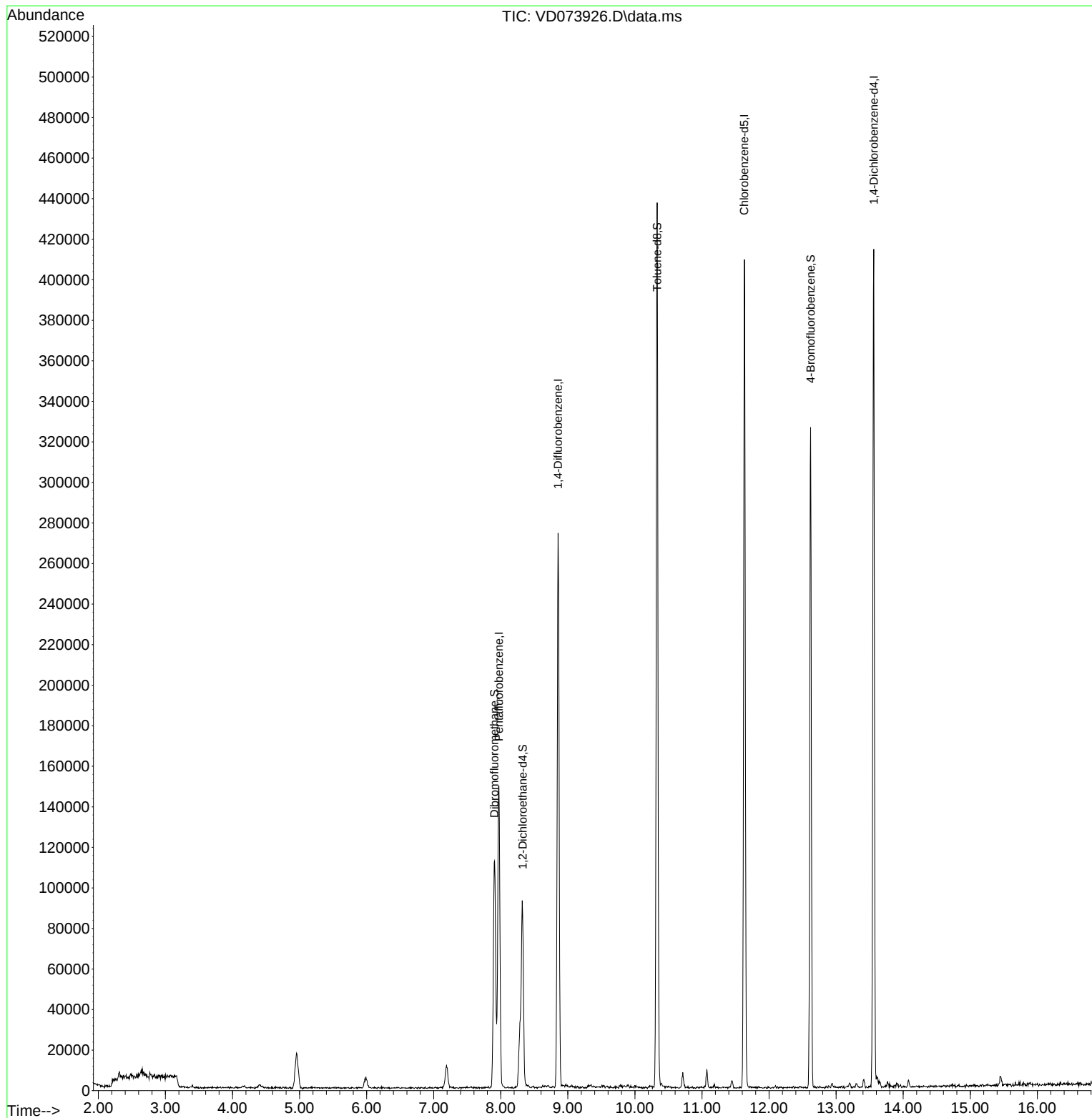
Target Compounds	Qvalue

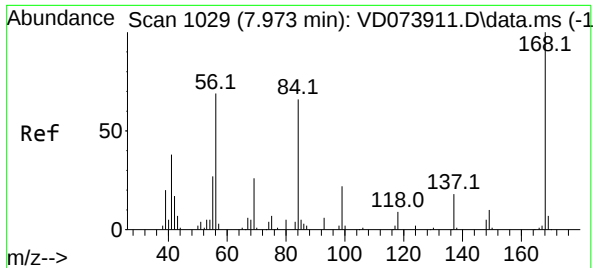
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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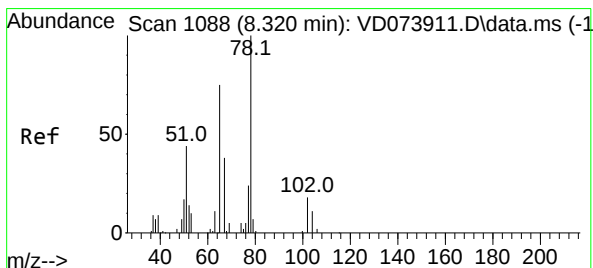
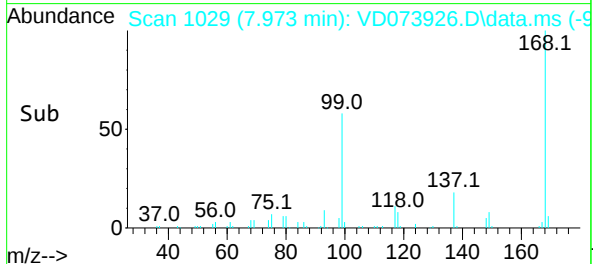
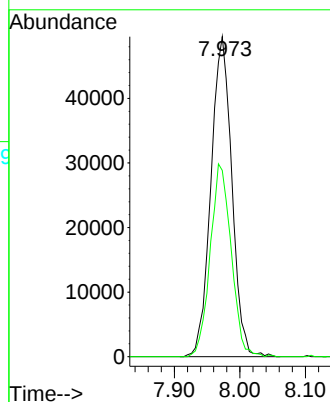
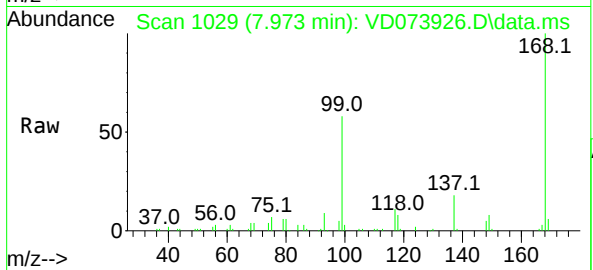




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

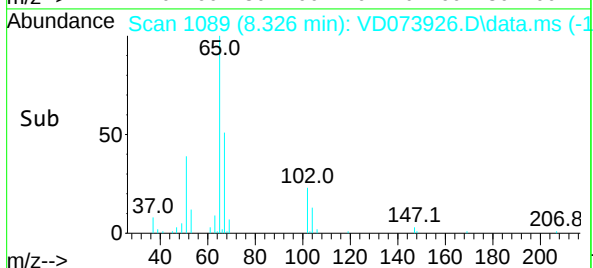
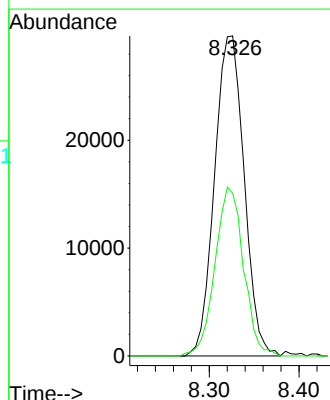
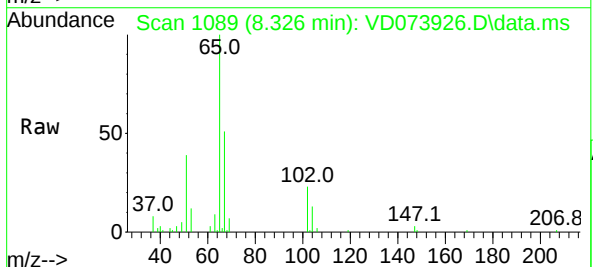
Instrument :
MSVOA_D
ClientSampleId :
MH-CD

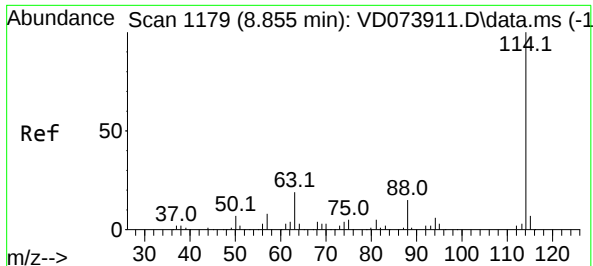
Tgt Ion:168 Resp: 109740
Ion Ratio Lower Upper
168 100
99 58.2 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 77.779 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion: 65 Resp: 67911
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

MH-CD

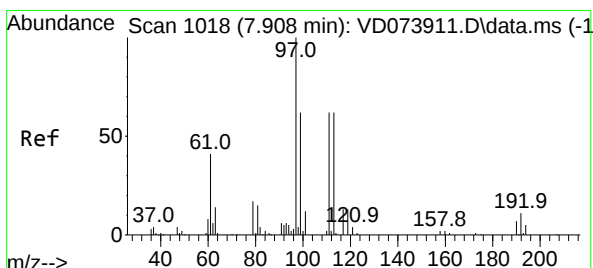
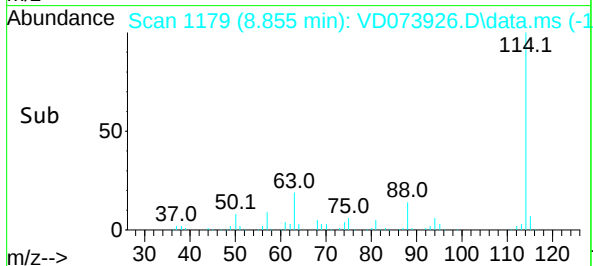
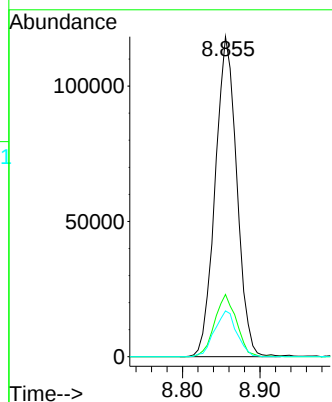
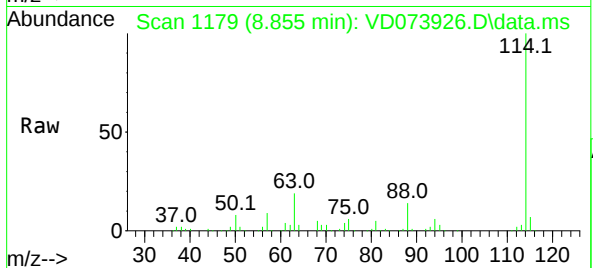
Tgt Ion:114 Resp: 229067

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.6

88 14.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 57.777 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

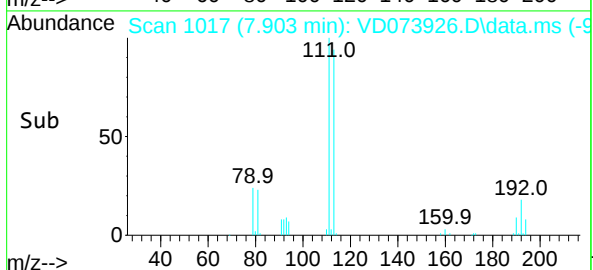
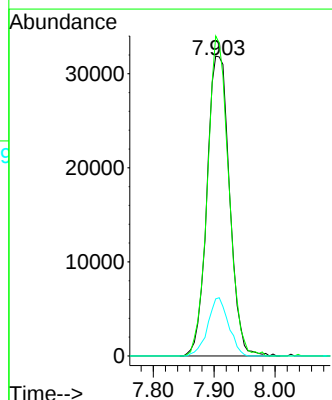
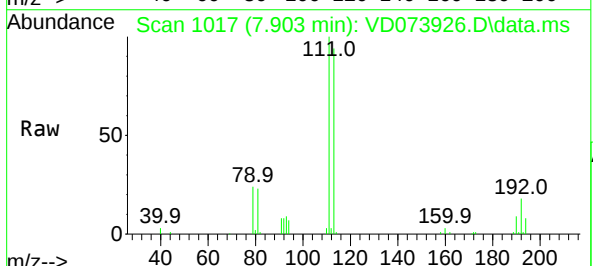
Tgt Ion:113 Resp: 82230

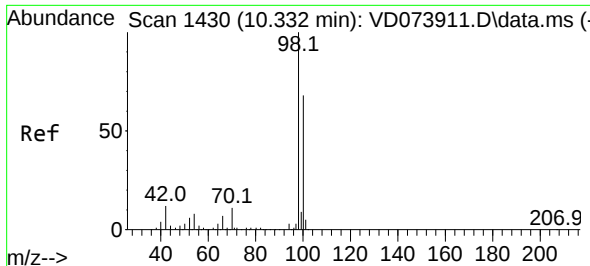
Ion Ratio Lower Upper

113 100

111 100.6 83.7 125.5

192 17.8 15.0 22.6

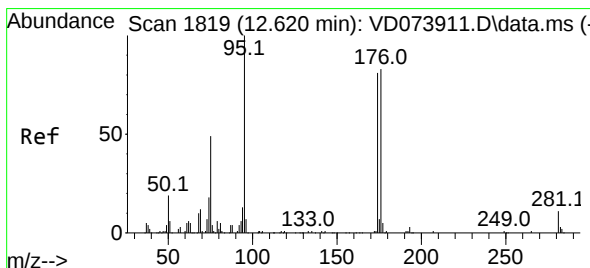
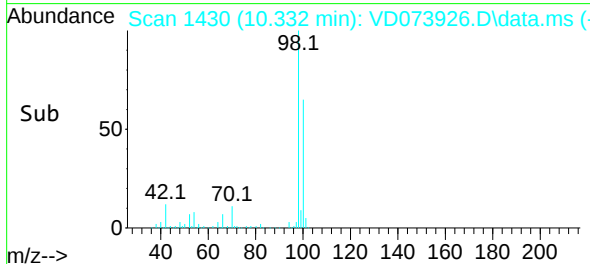
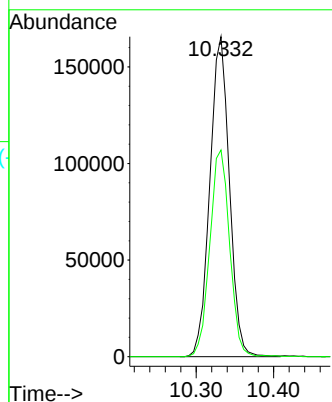
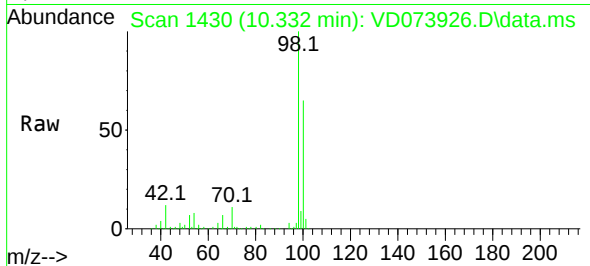




#50
Toluene-d8
Concen: 60.575 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

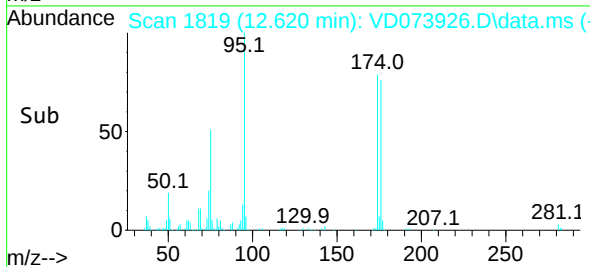
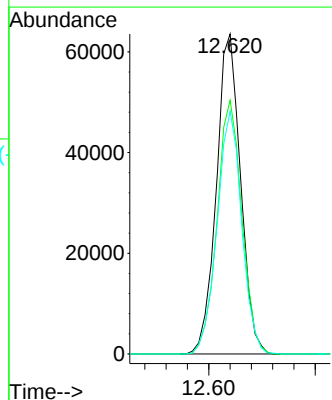
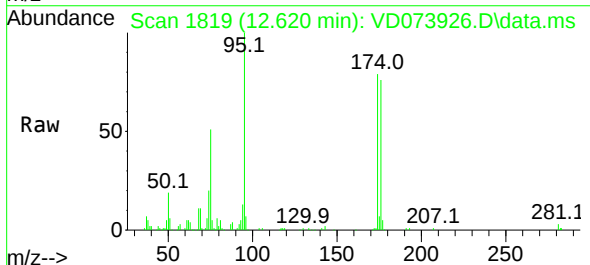
Instrument :
MSVOA_D
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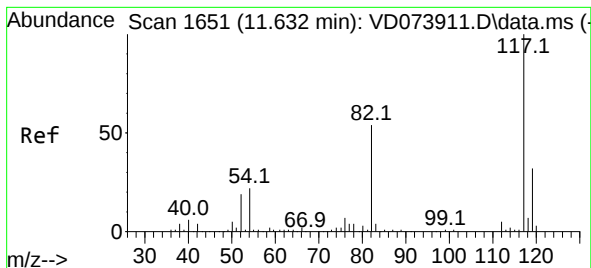
Tgt Ion: 98 Resp: 290402
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 56.663 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073926.D
Acq: 02 Aug 2022 14:57

Tgt Ion: 95 Resp: 99897
Ion Ratio Lower Upper
95 100
174 81.3 0.0 164.2
176 77.2 0.0 161.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Instrument :

MSVOA_D

ClientSampleId :

MH-CD

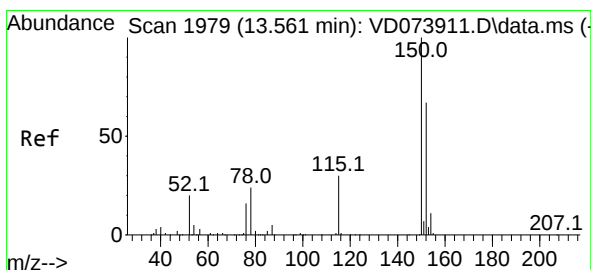
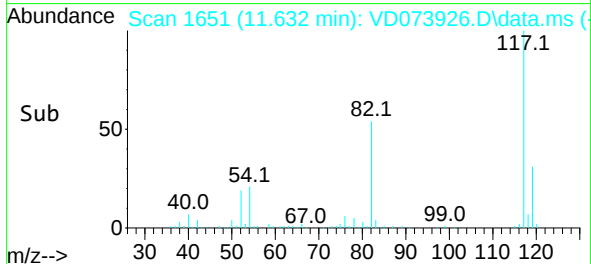
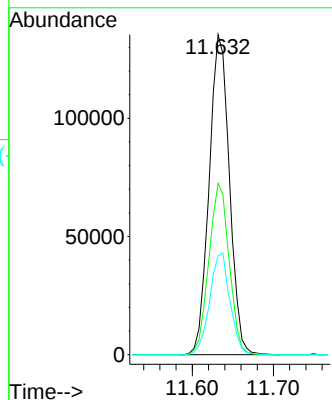
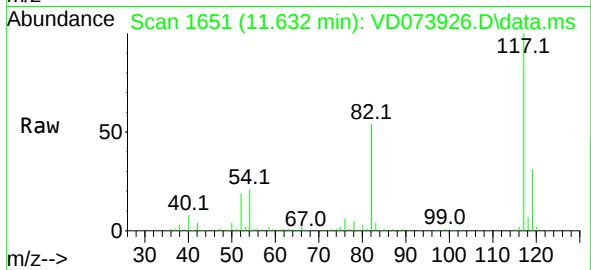
Tgt Ion:117 Resp: 234425

Ion Ratio Lower Upper

117 100

82 53.5 43.3 64.9

119 30.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073926.D

Acq: 02 Aug 2022 14:57

Tgt Ion:152 Resp: 106634

Ion Ratio Lower Upper

152 100

115 60.6 29.1 87.3

150 157.5 0.0 338.2

