

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073943.D
 Acq On : 03 Aug 2022 16:31
 Operator : VA/SY
 Sample : N3996-01
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CS

Quant Time: Aug 04 02:52:31 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	7.967	168	130342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	223129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	204733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87430	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	63177	59.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.640%
35) Dibromofluoromethane	7.908	113	68097	49.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.240%
50) Toluene-d8	10.332	98	195738	41.915	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.840%
62) 4-Bromofluorobenzene	12.620	95	69943	40.728	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.460%

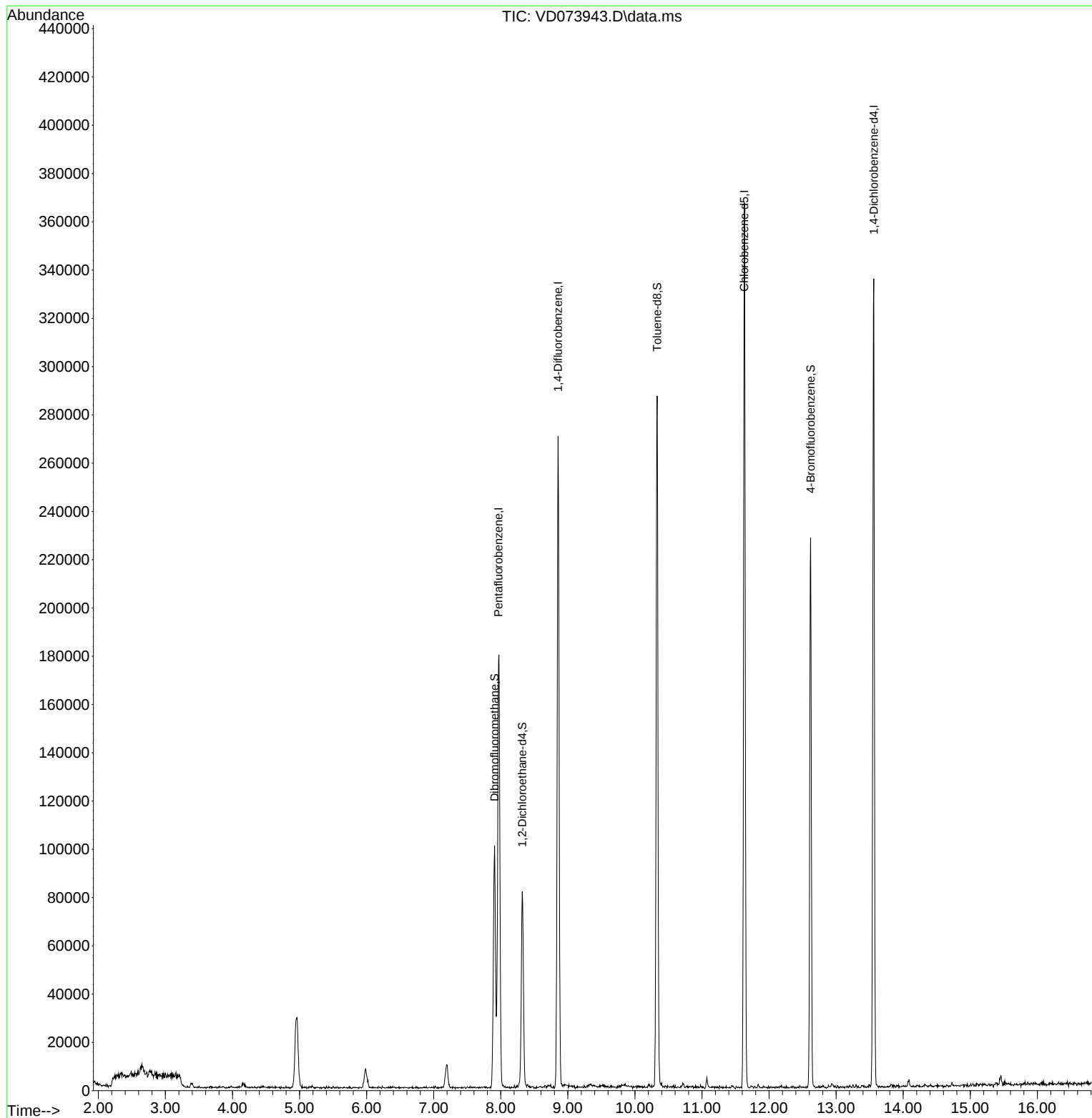
Target Compounds	Qvalue

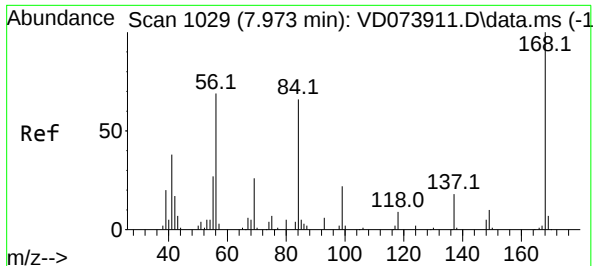
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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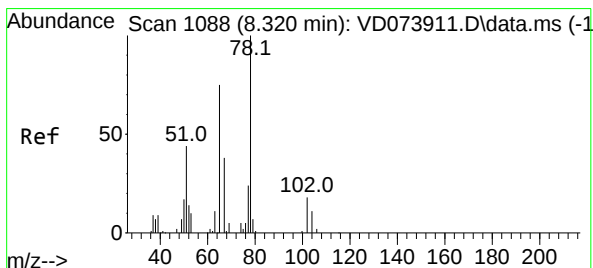
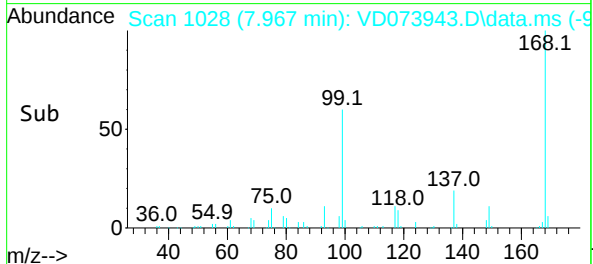
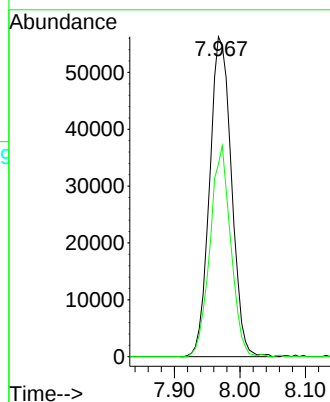
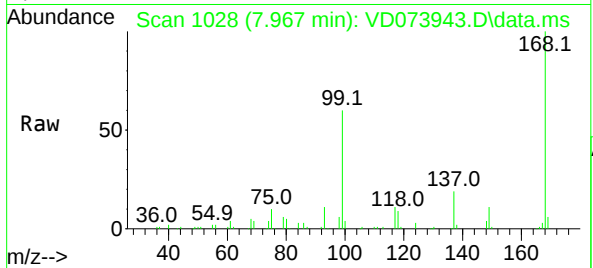




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073943.D
Acq: 03 Aug 2022 16:31

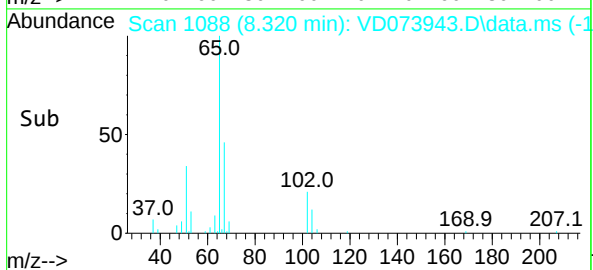
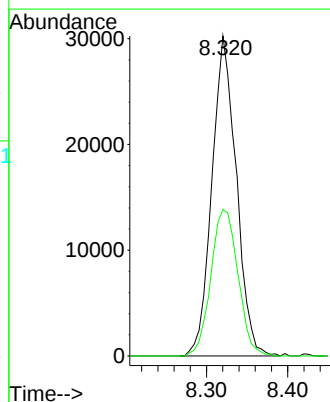
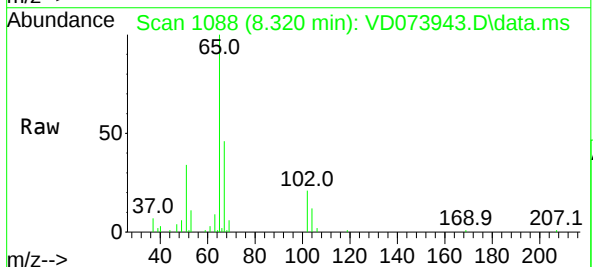
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

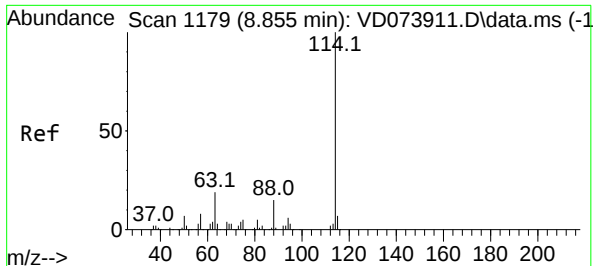
Tgt Ion:168 Resp: 130342
Ion Ratio Lower Upper
168 100
99 60.2 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 59.819 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073943.D
Acq: 03 Aug 2022 16:31

Tgt Ion: 65 Resp: 63177
Ion Ratio Lower Upper
65 100
67 50.8 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: VD073943.D

Acq: 03 Aug 2022 16:31

Instrument :

MSVOA_D

ClientSampleId :

MH-CS

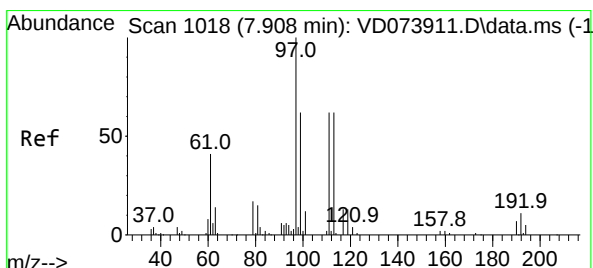
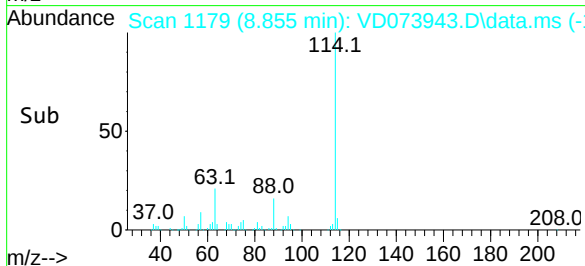
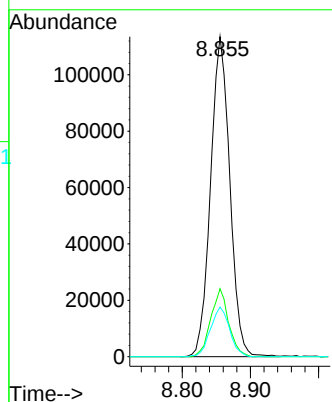
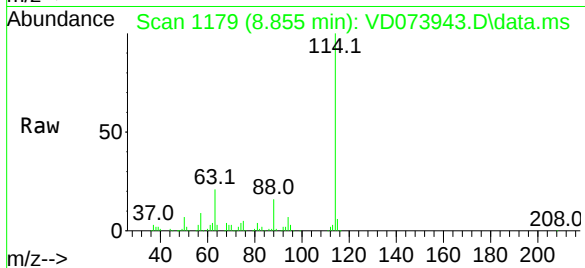
Tgt Ion:114 Resp: 223129

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.120 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073943.D

Acq: 03 Aug 2022 16:31

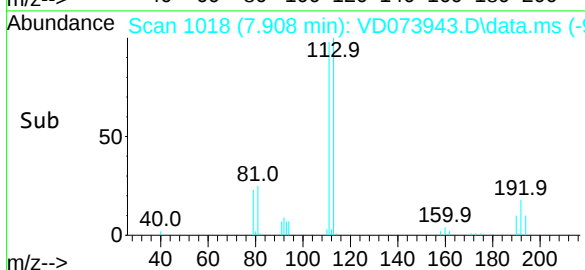
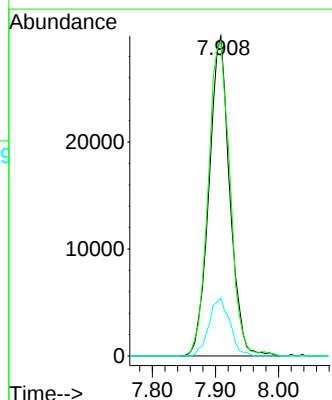
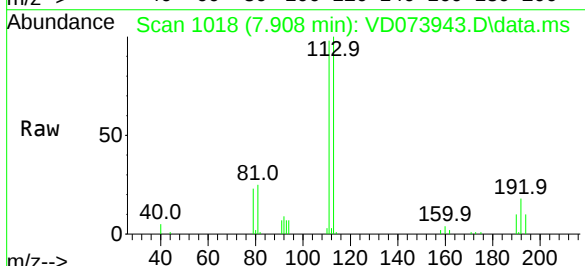
Tgt Ion:113 Resp: 68097

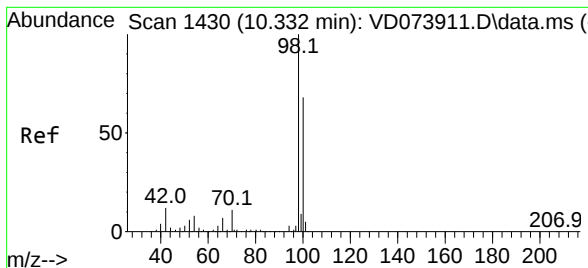
Ion Ratio Lower Upper

113 100

111 103.0 83.7 125.5

192 18.3 15.0 22.6

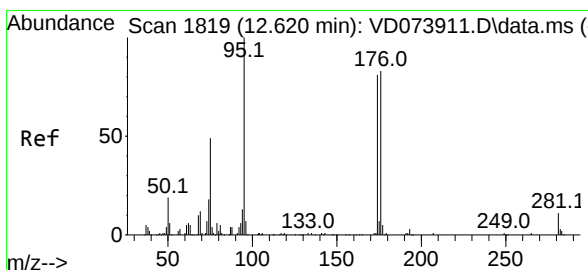
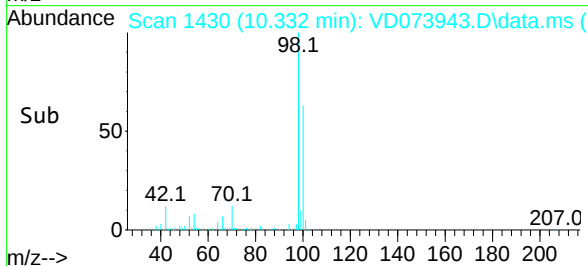
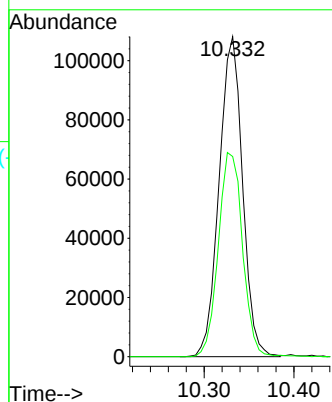
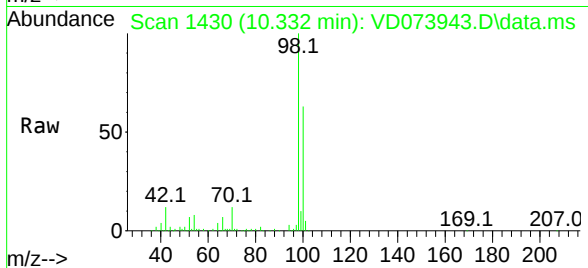




#50
Toluene-d8
Concen: 41.915 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073943.D
Acq: 03 Aug 2022 16:31

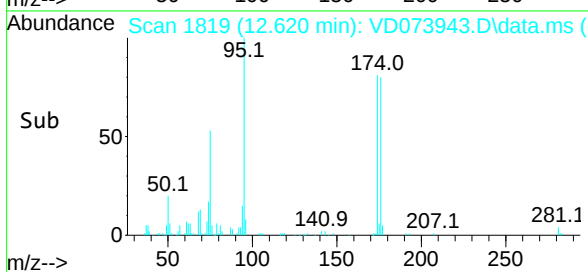
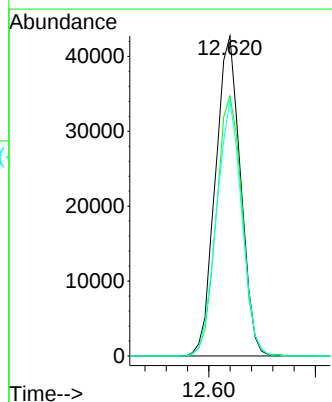
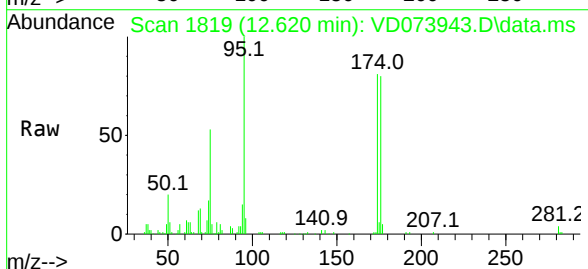
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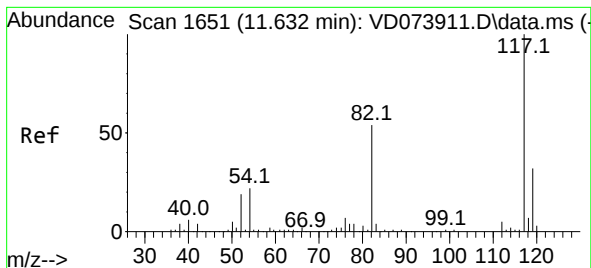
Tgt Ion: 98 Resp: 195738
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 40.728 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073943.D
Acq: 03 Aug 2022 16:31

Tgt Ion: 95 Resp: 69943
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.2
176 80.3 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: VD073943.D

Acq: 03 Aug 2022 16:31

Instrument :

MSVOA_D

ClientSampleId :

MH-CS

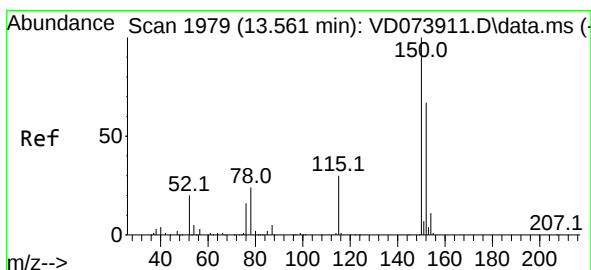
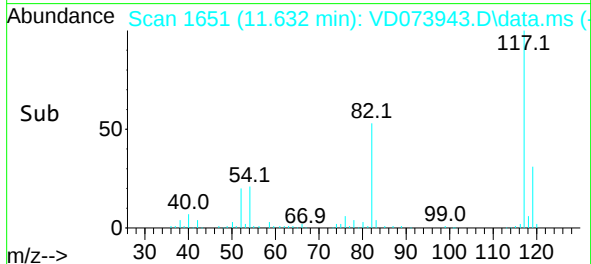
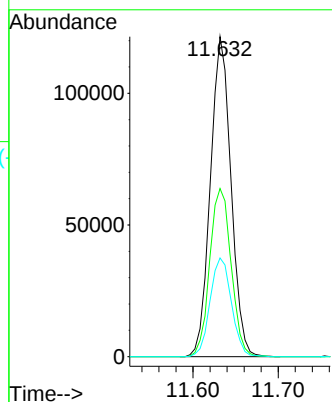
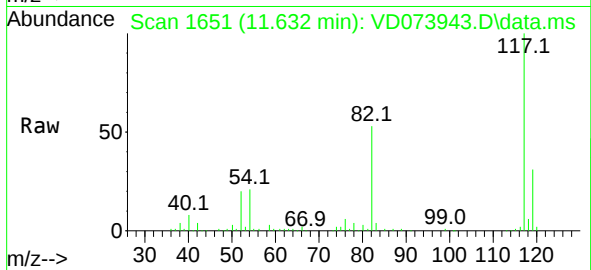
Tgt Ion:117 Resp: 204733

Ion Ratio Lower Upper

117 100

82 52.6 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: VD073943.D

Acq: 03 Aug 2022 16:31

Tgt Ion:152 Resp: 87430

Ion Ratio Lower Upper

152 100

115 61.0 29.1 87.3

150 153.6 0.0 338.2

