

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072647.D
 Acq On : 20 Apr 2022 15:11
 Operator : VA/SY
 Sample : N2449-02
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L091-B

Quant Time: Apr 21 01:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	502097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	891689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	822523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	359880	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256846	42.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.580%
35) Dibromofluoromethane	7.909	113	280925	40.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.080%
50) Toluene-d8	10.332	98	1058761	43.954	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.900%
62) 4-Bromofluorobenzene	12.620	95	355739	37.815	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.620%

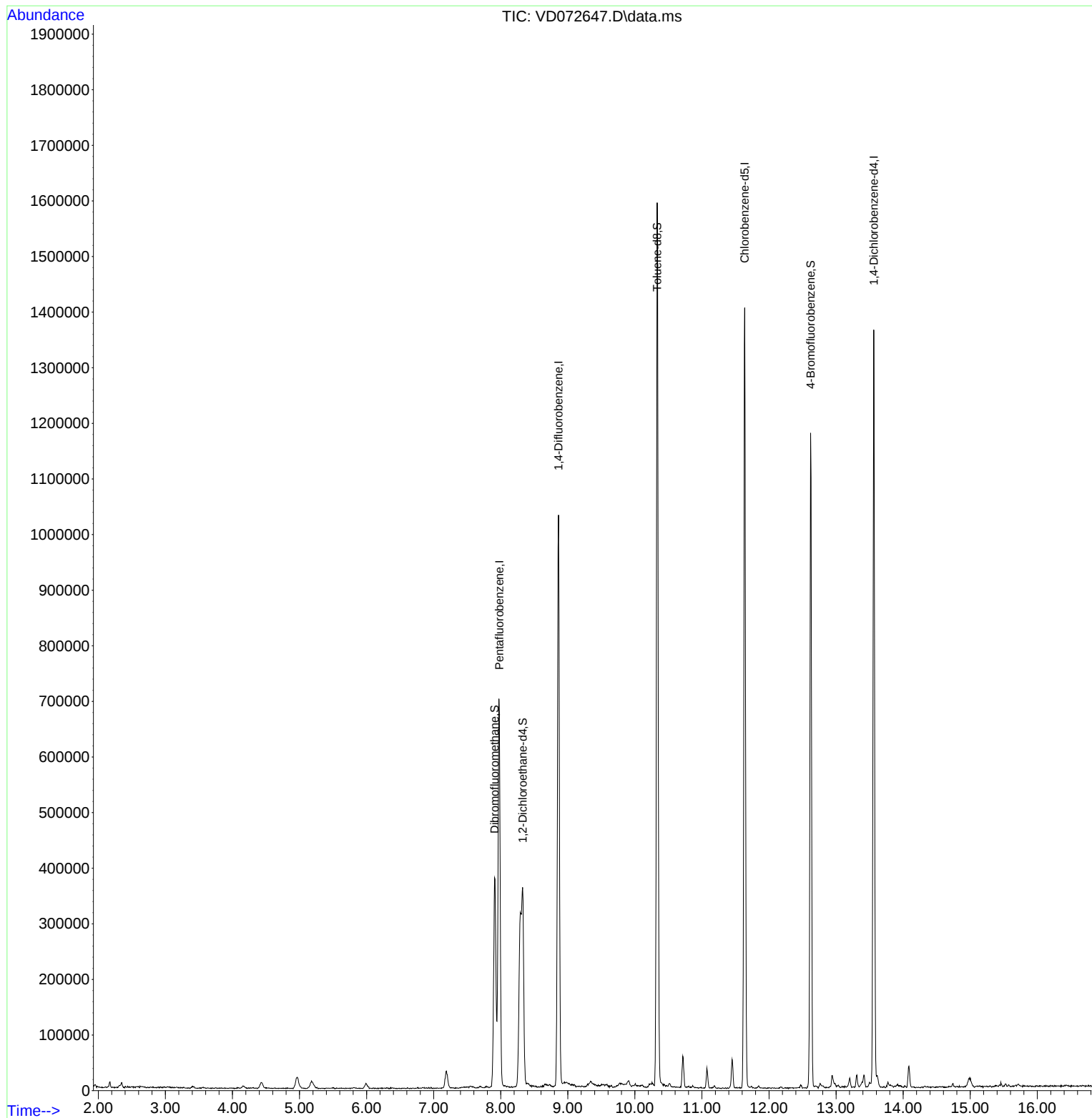
Target Compounds	Qvalue

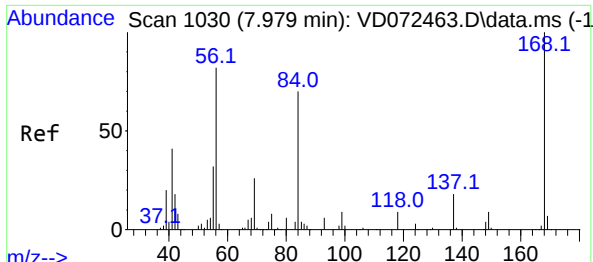
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

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Instrument :

MSVOA_D

ClientSampleId :

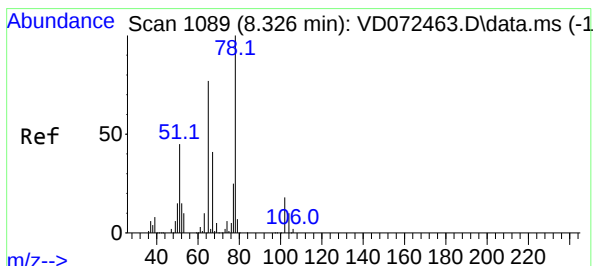
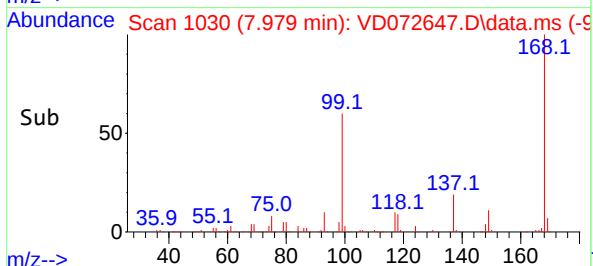
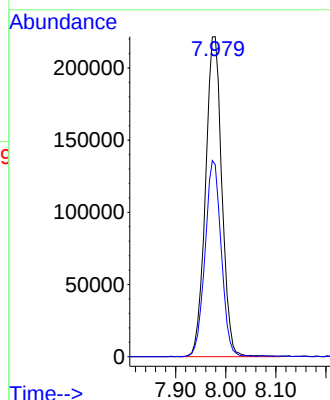
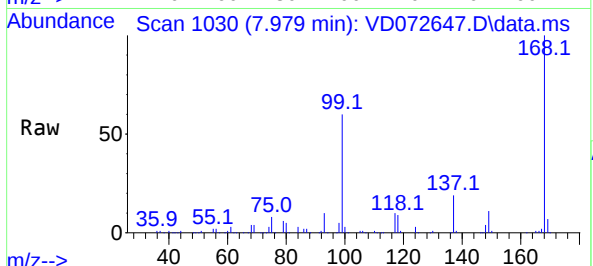
22L091-B

Tgt Ion:168 Resp: 502097

Ion Ratio Lower Upper

168 100

99 60.0 49.8 74.6



#33

1,2-Dichloroethane-d4

Concen: 42.287 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072647.D

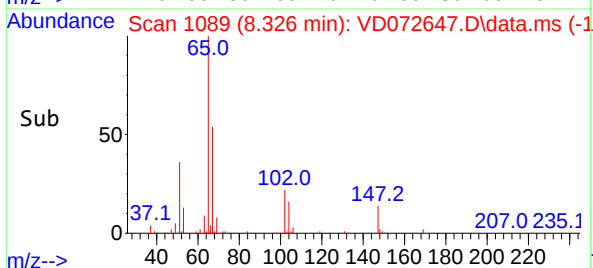
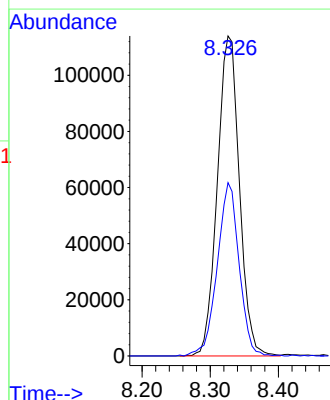
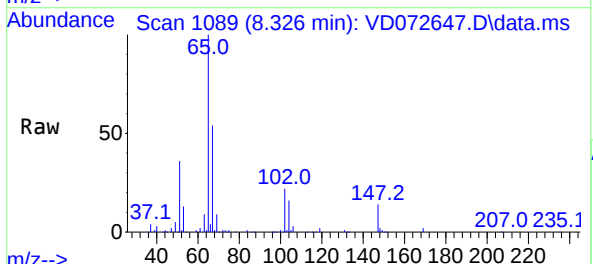
Acq: 20 Apr 2022 15:11

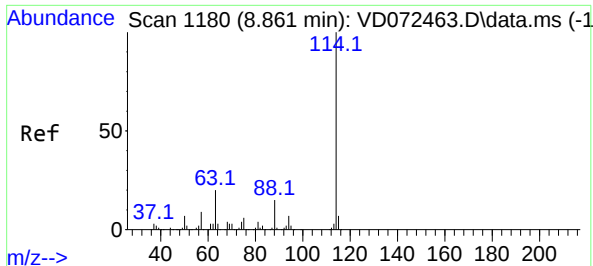
Tgt Ion: 65 Resp: 256846

Ion Ratio Lower Upper

65 100

67 53.6 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: VD072647.D

Acq: 20 Apr 2022 15:11

Instrument :

MSVOA_D

ClientSampleId :

22L091-B

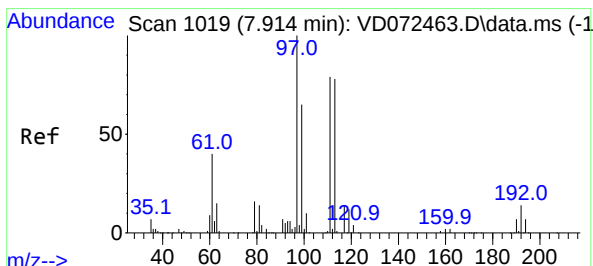
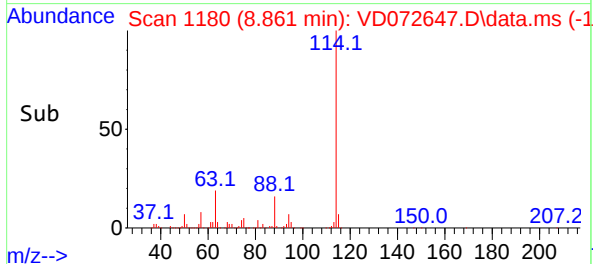
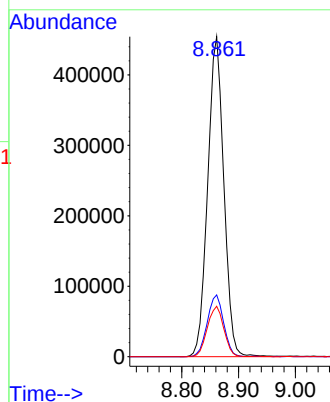
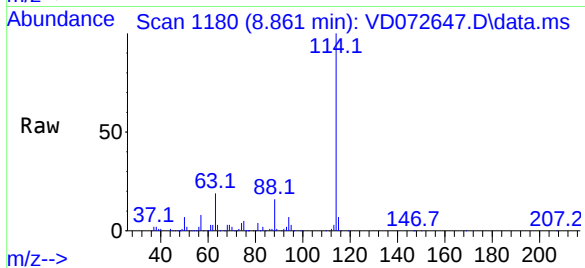
Tgt Ion:114 Resp: 891689

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.539 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072647.D

Acq: 20 Apr 2022 15:11

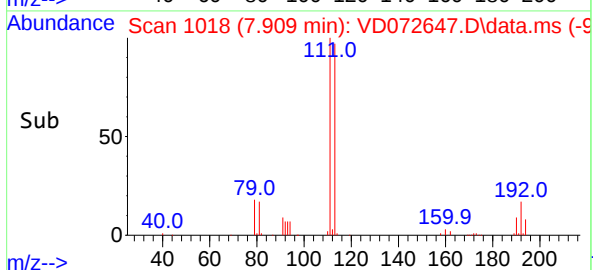
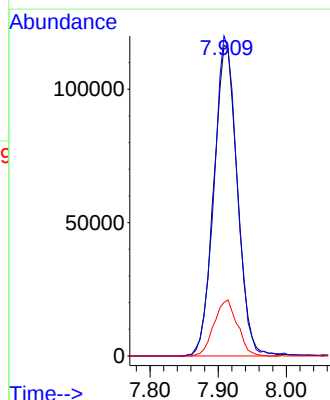
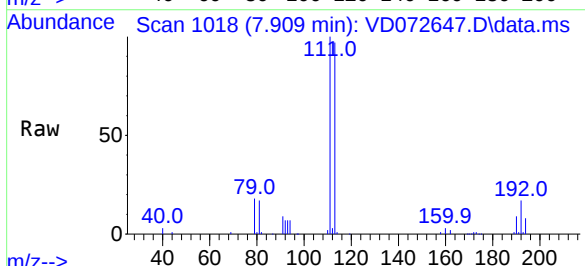
Tgt Ion:113 Resp: 280925

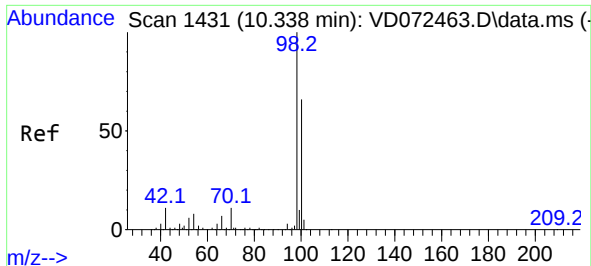
Ion Ratio Lower Upper

113 100

111 100.8 83.8 125.6

192 17.9 14.6 21.8

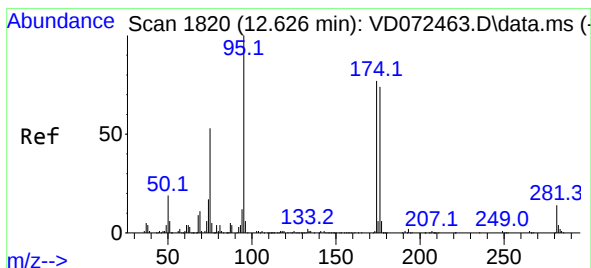
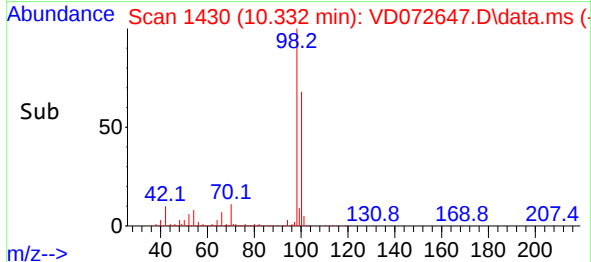
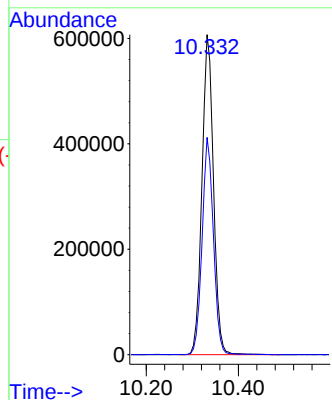
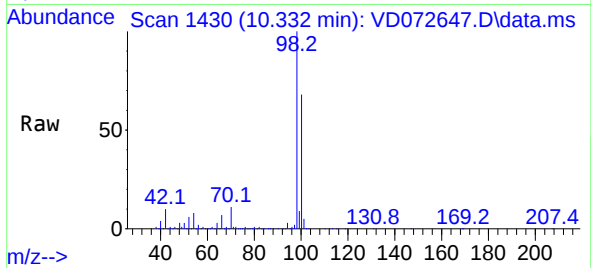




#50
Toluene-d8
Concen: 43.954 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

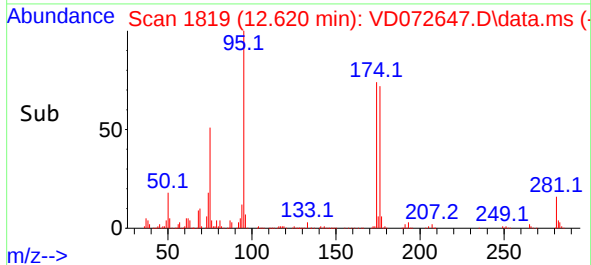
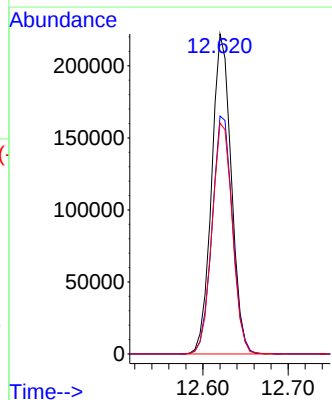
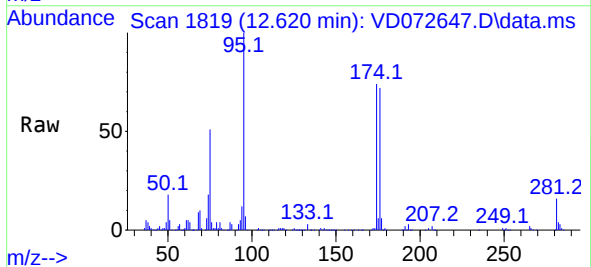
Instrument :
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22L091-B

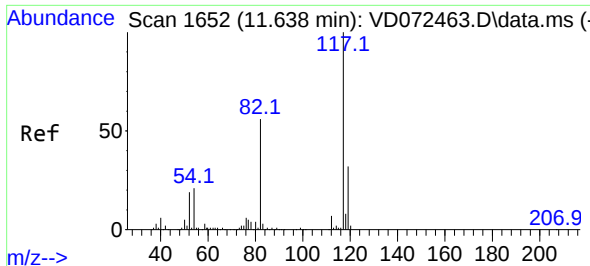
Tgt Ion: 98 Resp: 1058761
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 37.815 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion: 95 Resp: 355739
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 74.6 0.0 145.4

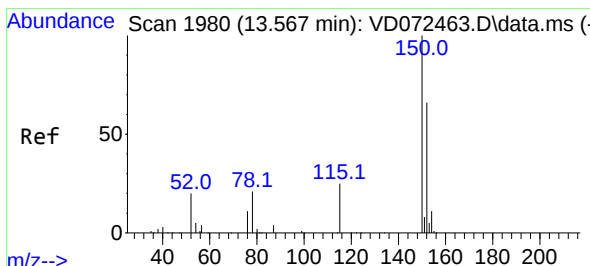
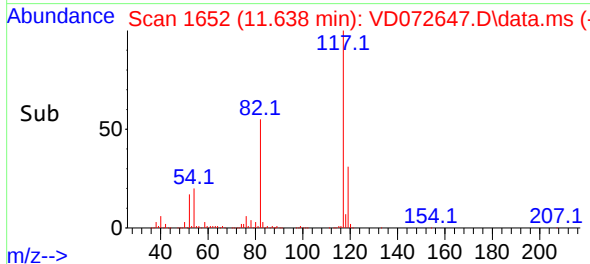
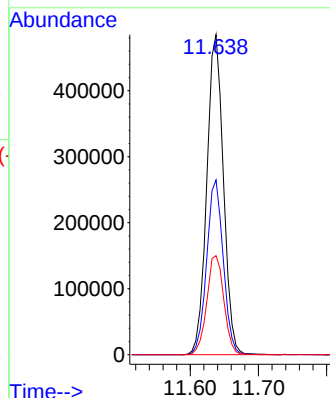
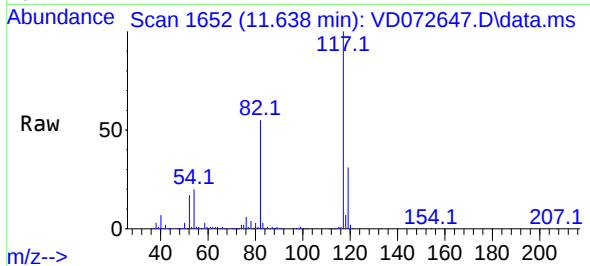




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Instrument :
MSVOA_D
ClientSampleId :
22L091-B

Tgt Ion:117 Resp: 822523
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072647.D
Acq: 20 Apr 2022 15:11

Tgt Ion:152 Resp: 359880
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 154.2 0.0 348.6

