

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071233.D
 Acq On : 09 Dec 2021 17:30
 Operator : VA/SY
 Sample : M4989-03
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P23-2

Quant Time: Dec 10 06:46:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	161468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	283878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	316497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	157080	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	104338	55.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.14%
35) Dibromofluoromethane	7.909	113	94370	52.20	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.40%
50) Toluene-d8	10.338	98	367772	53.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.92%
62) 4-Bromofluorobenzene	12.626	95	154208	64.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	129.34%

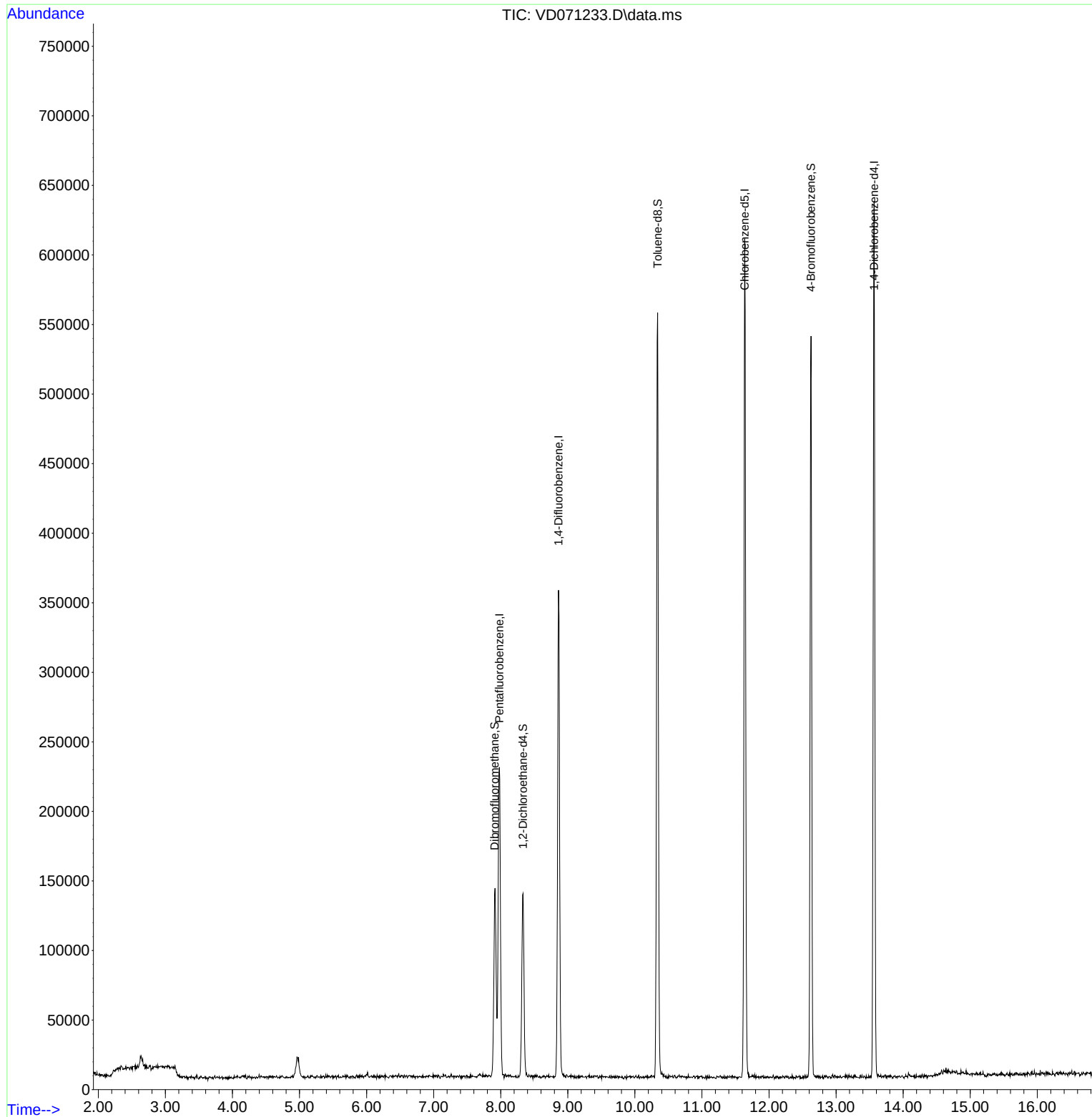
Target Compounds	Qvalue

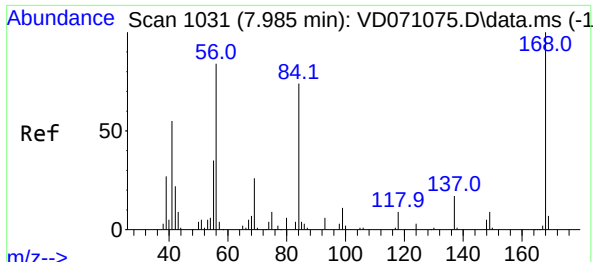
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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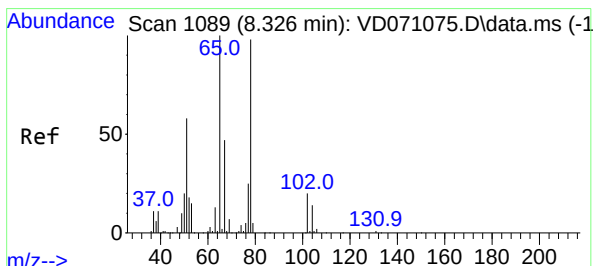
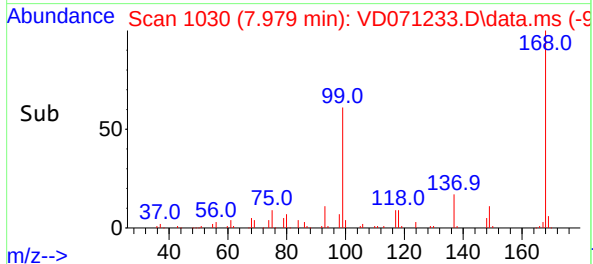
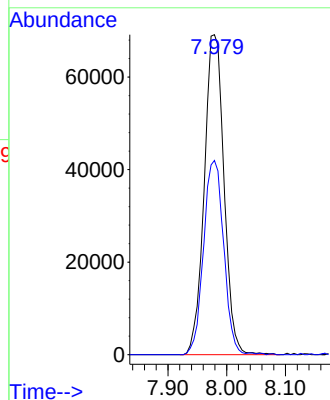
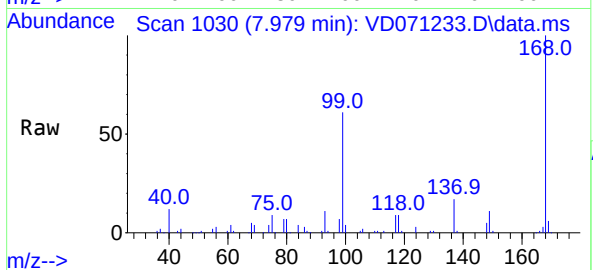




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

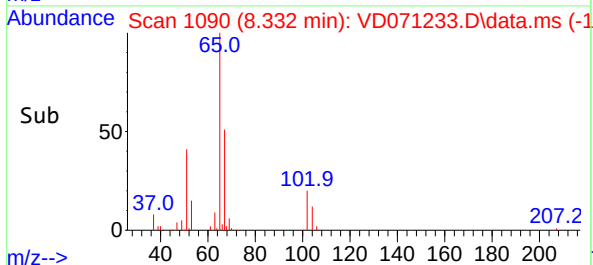
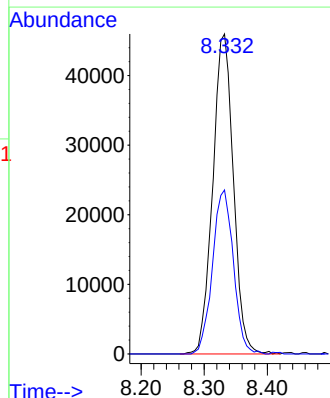
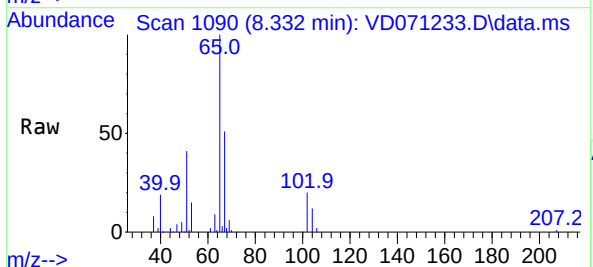
Instrument :
MSVOA_D
ClientSampleId :
P23-2

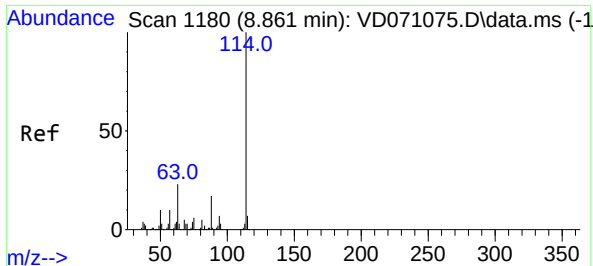
Tgt Ion:168 Resp: 161468
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 55.07 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 65 Resp: 104338
Ion Ratio Lower Upper
65 100
67 51.9 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071233.D

Acq: 09 Dec 2021 17:30

Instrument :

MSVOA_D

ClientSampleId :

P23-2

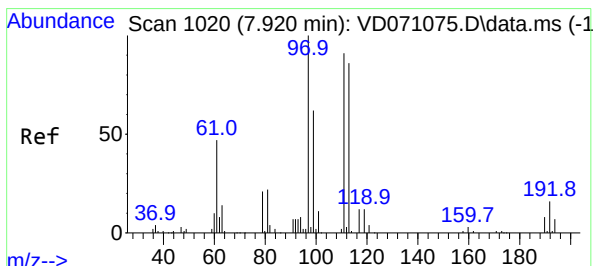
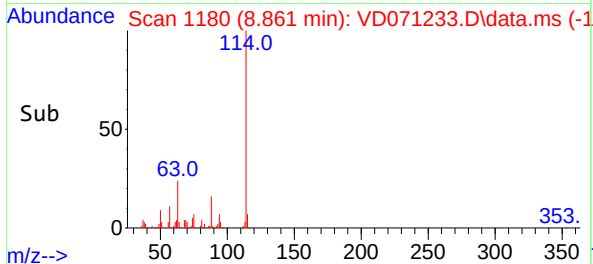
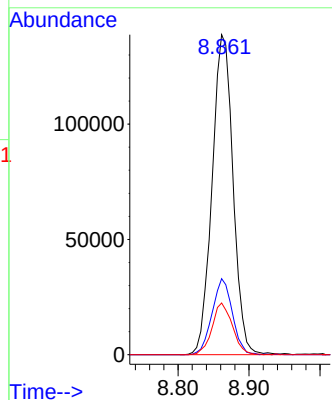
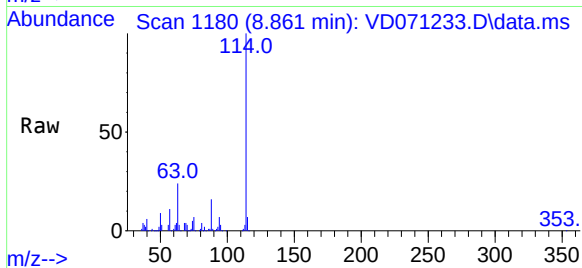
Tgt Ion:114 Resp: 283878

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.20 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071233.D

Acq: 09 Dec 2021 17:30

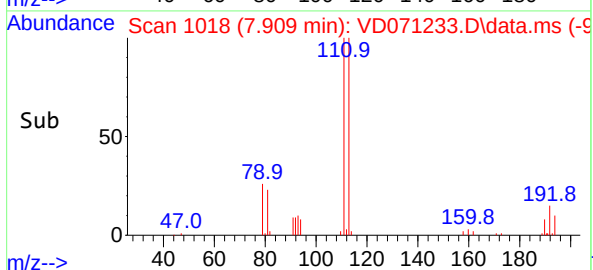
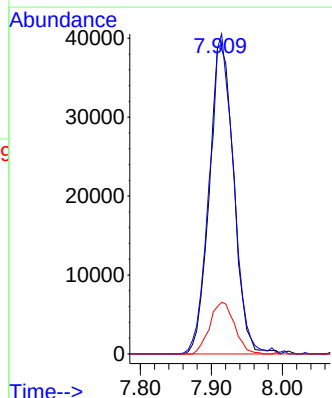
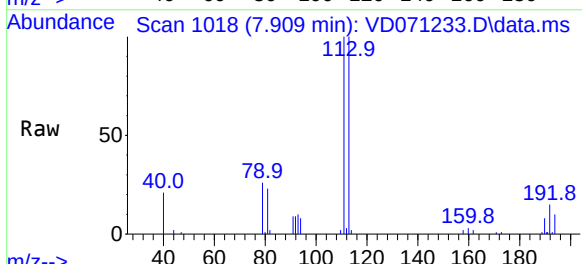
Tgt Ion:113 Resp: 94370

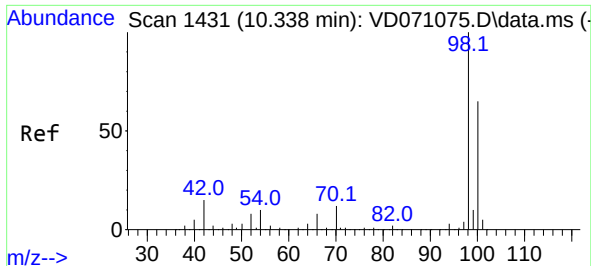
Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 16.8 15.2 22.8

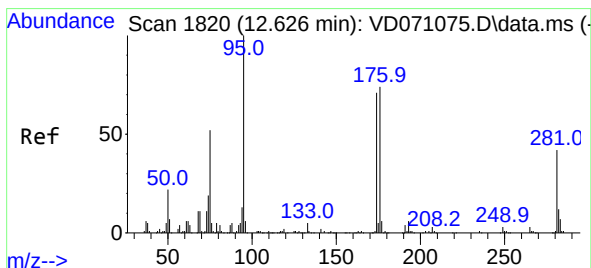
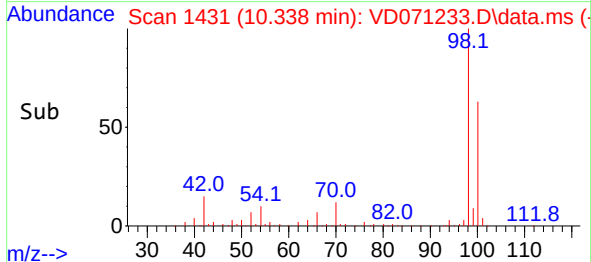
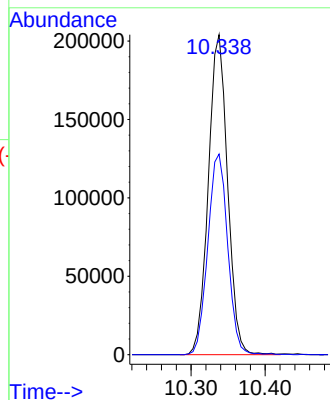
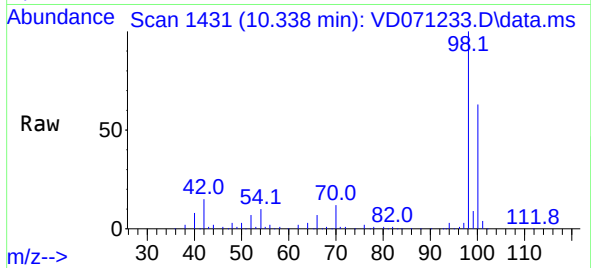




#50
Toluene-d8
Concen: 53.46 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

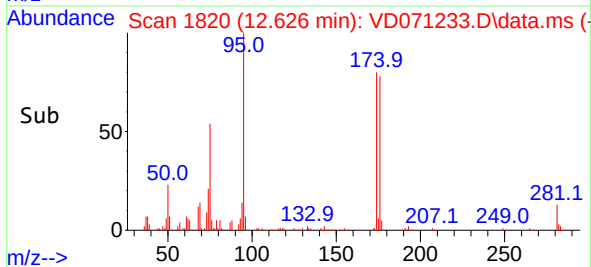
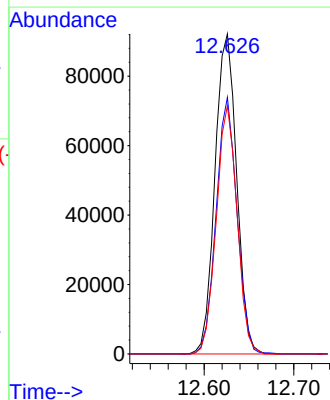
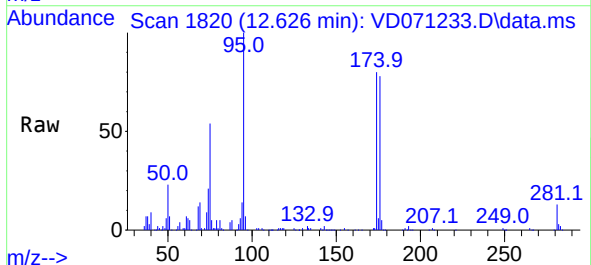
Instrument :
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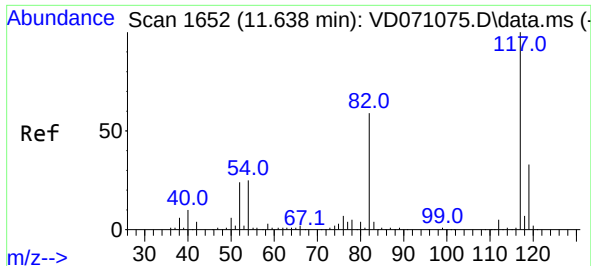
Tgt Ion: 98 Resp: 367772
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.67 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion: 95 Resp: 154208
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.4
176 74.5 0.0 154.0

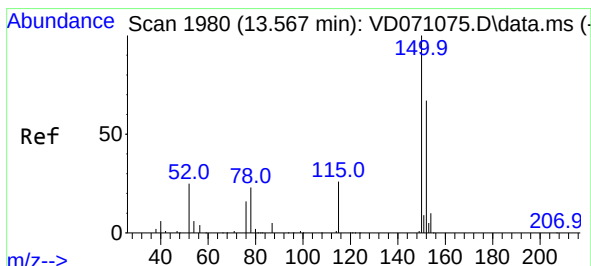
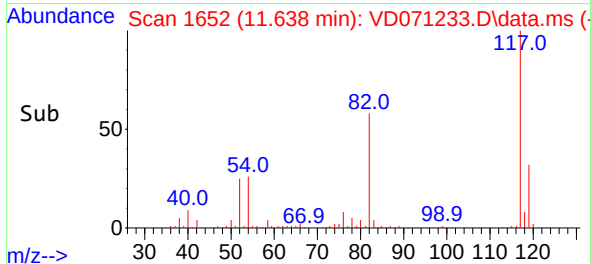
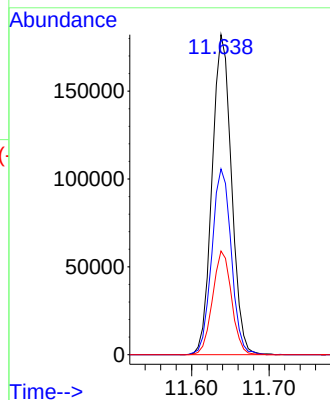
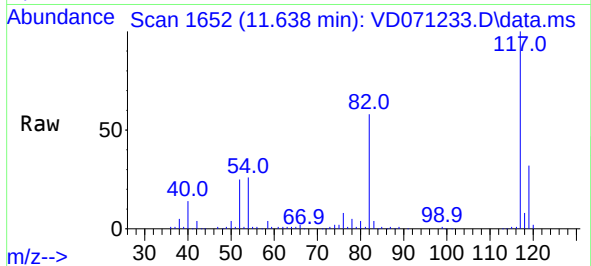




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :
P23-2

Tgt Ion:117 Resp: 316497
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071233.D
Acq: 09 Dec 2021 17:30

Tgt Ion:152 Resp: 157080
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 156.2 0.0 349.2

