

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071216.D
 Acq On : 08 Dec 2021 20:08
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 09 10:20:28 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	328418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	586124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297773	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158688	41.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.360%
35) Dibromofluoromethane	7.914	113	161801	46.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.940%
50) Toluene-d8	10.338	98	703443	53.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.180%
62) 4-Bromofluorobenzene	12.626	95	295586	64.358	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.720%

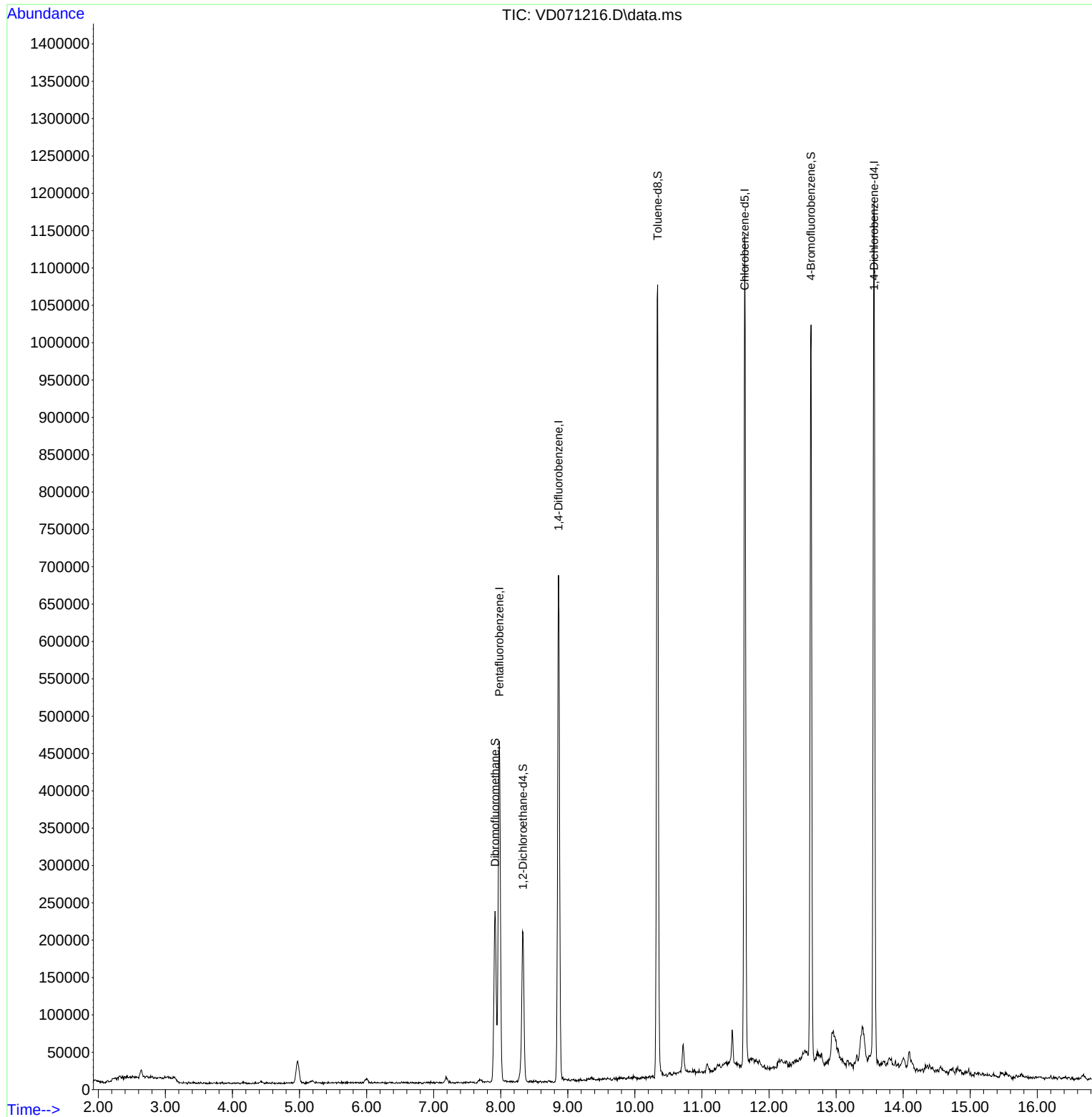
Target Compounds	Qvalue

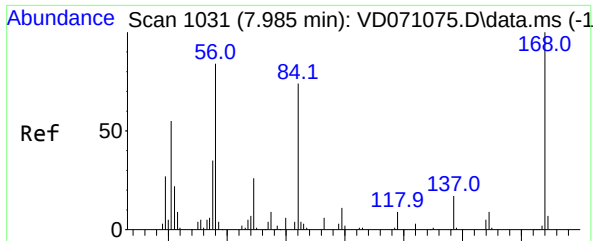
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071216.D

Acq: 08 Dec 2021 20:08

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MSVOA_D

ClientSampleId :

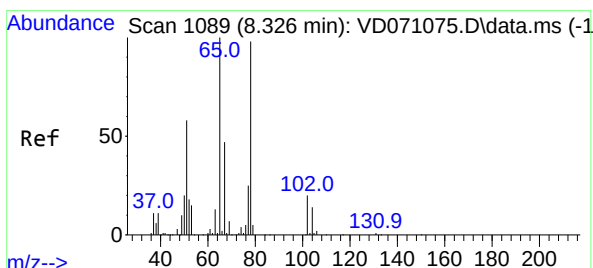
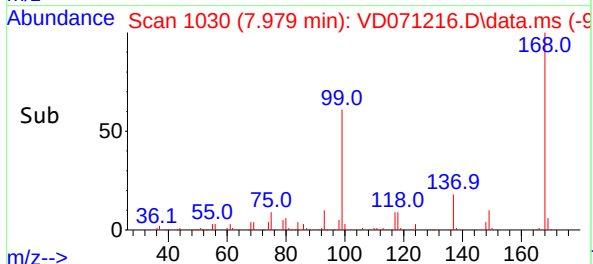
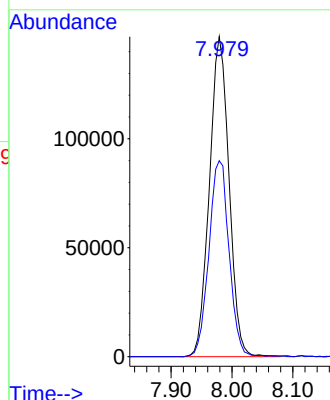
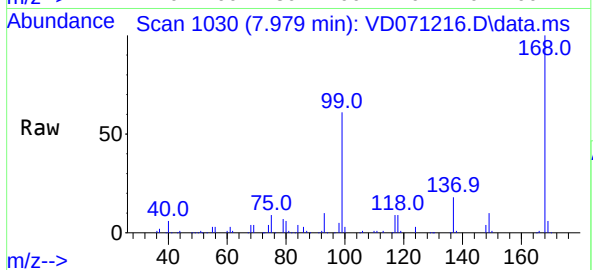
VIBLK

Tgt Ion:168 Resp: 328418

Ion Ratio Lower Upper

168 100

99 61.2 46.6 69.8



1,2-Dichloroethane-d4

Concen: 41.179 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071216.D

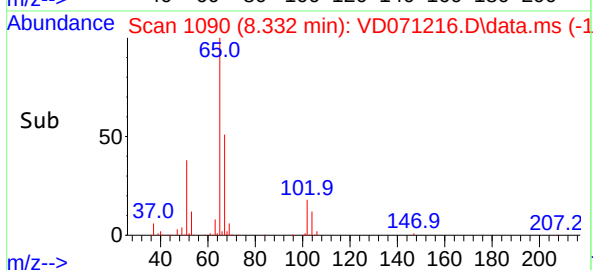
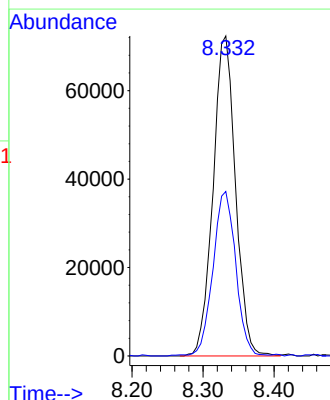
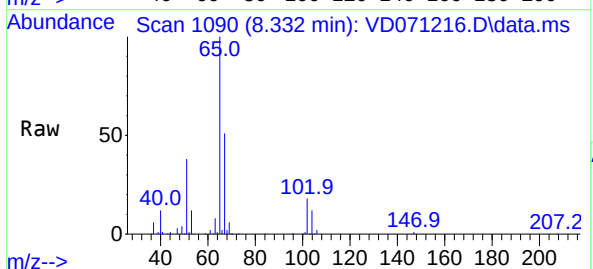
Acq: 08 Dec 2021 20:08

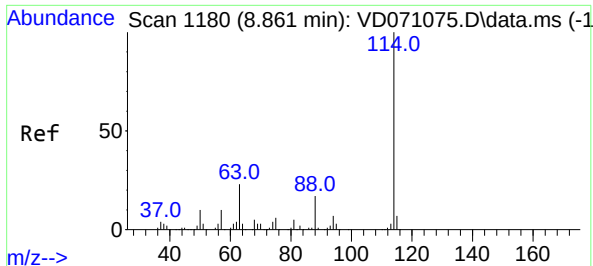
Tgt Ion: 65 Resp: 158688

Ion Ratio Lower Upper

65 100

67 52.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071216.D

Acq: 08 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

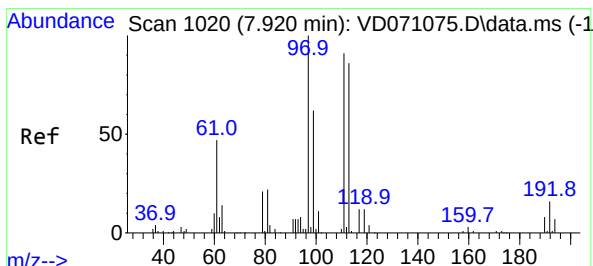
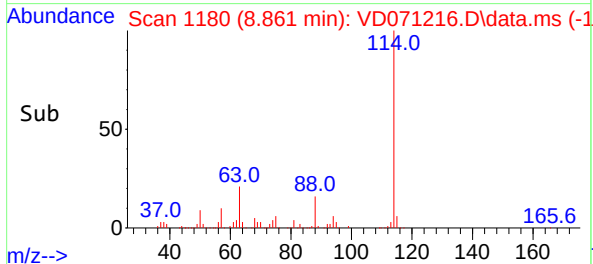
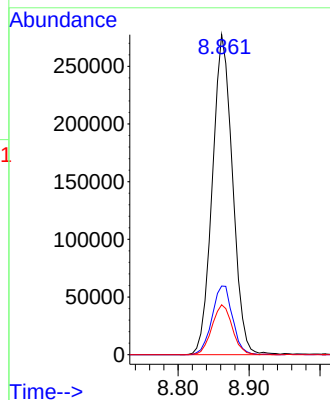
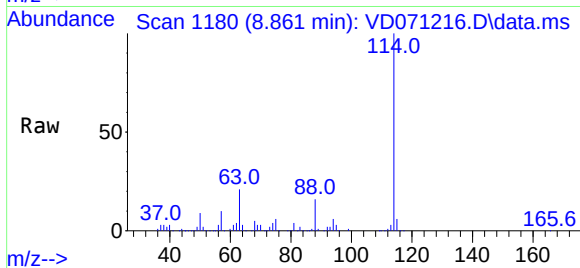
Tgt Ion:114 Resp: 546759

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.472 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071216.D

Acq: 08 Dec 2021 20:08

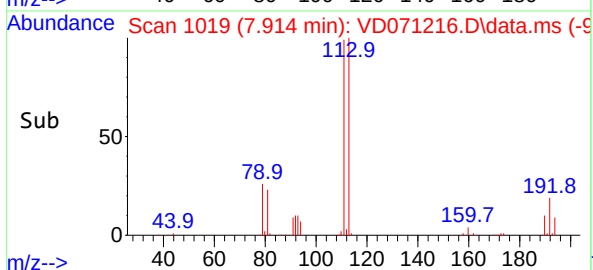
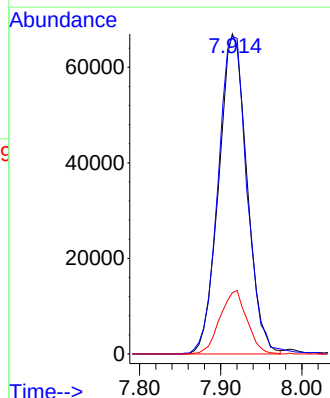
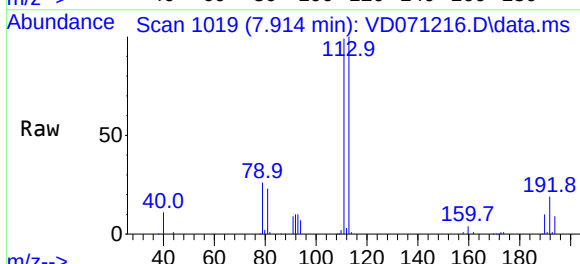
Tgt Ion:113 Resp: 161801

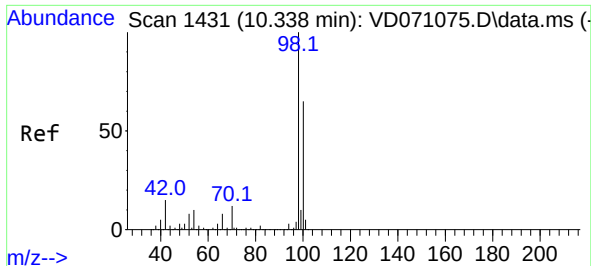
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 18.9 15.2 22.8

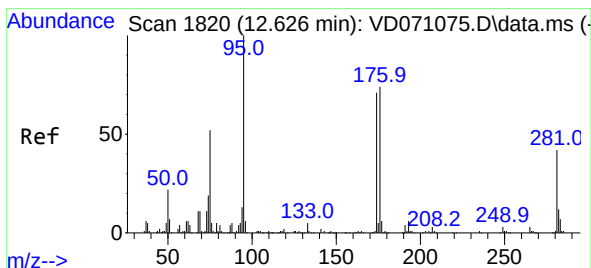
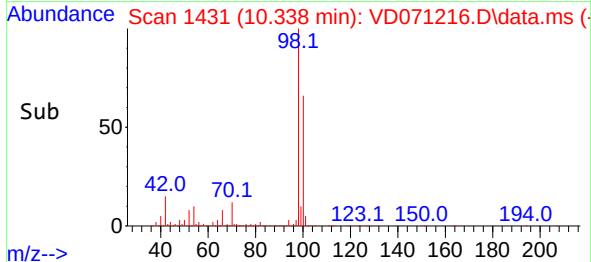
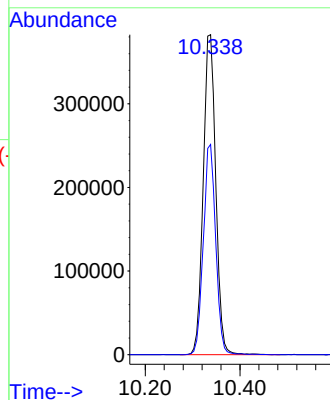
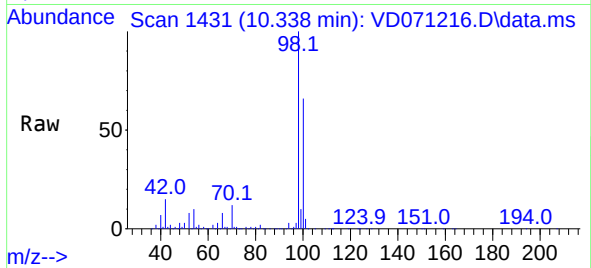




#50
Toluene-d8
Concen: 53.091 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

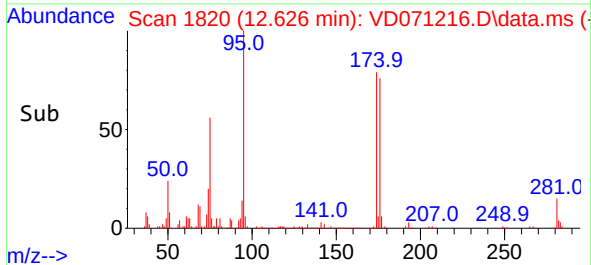
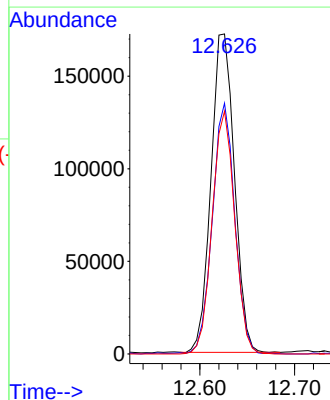
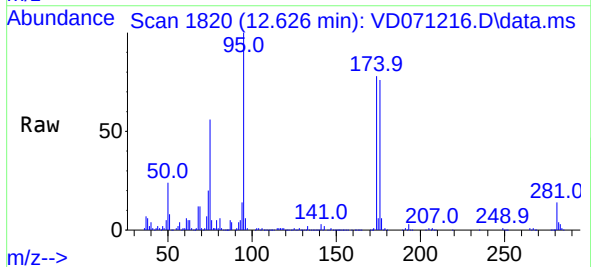
Instrument :
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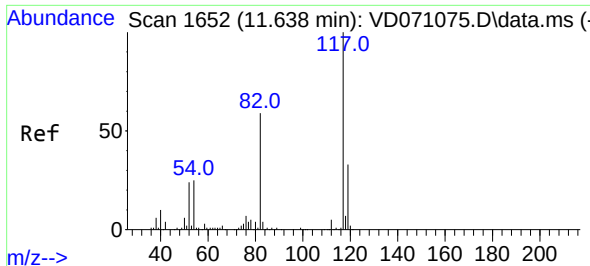
Tgt Ion: 98 Resp: 703443
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 64.358 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion: 95 Resp: 295586
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 73.3 0.0 154.0

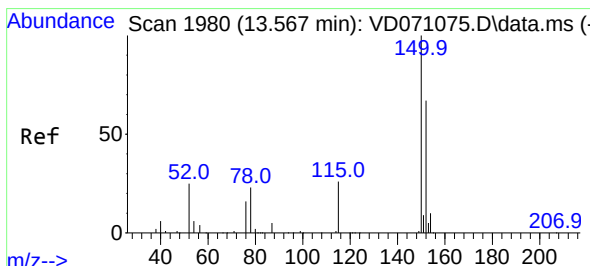
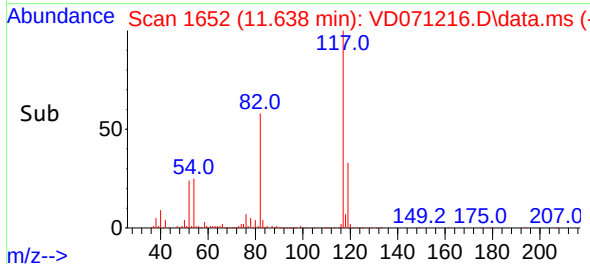
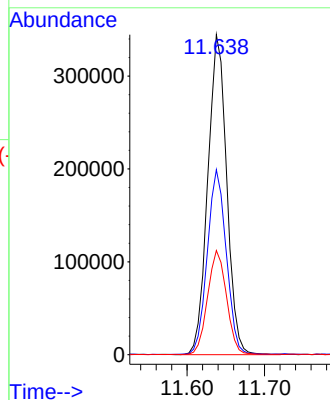
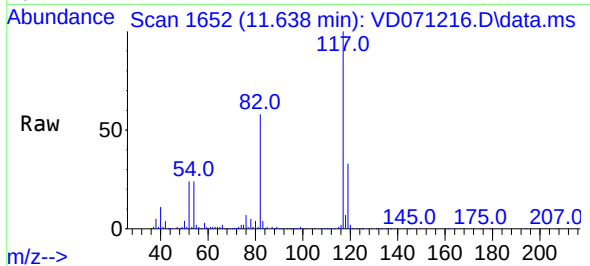




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 586124
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion:152 Resp: 297773
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 153.3 0.0 349.2

