

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071352.D
 Acq On : 15 Dec 2021 19:42
 Operator : VA/SY
 Sample : M5089-09
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-3

Quant Time: Dec 16 04:31:53 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	7.973	168	307577	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	511660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	592766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293849	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151518	41.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.960%
35) Dibromofluoromethane	7.914	113	160604	49.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.580%
50) Toluene-d8	10.332	98	678100	54.689	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.380%
62) 4-Bromofluorobenzene	12.620	95	301639	70.181	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	140.360%

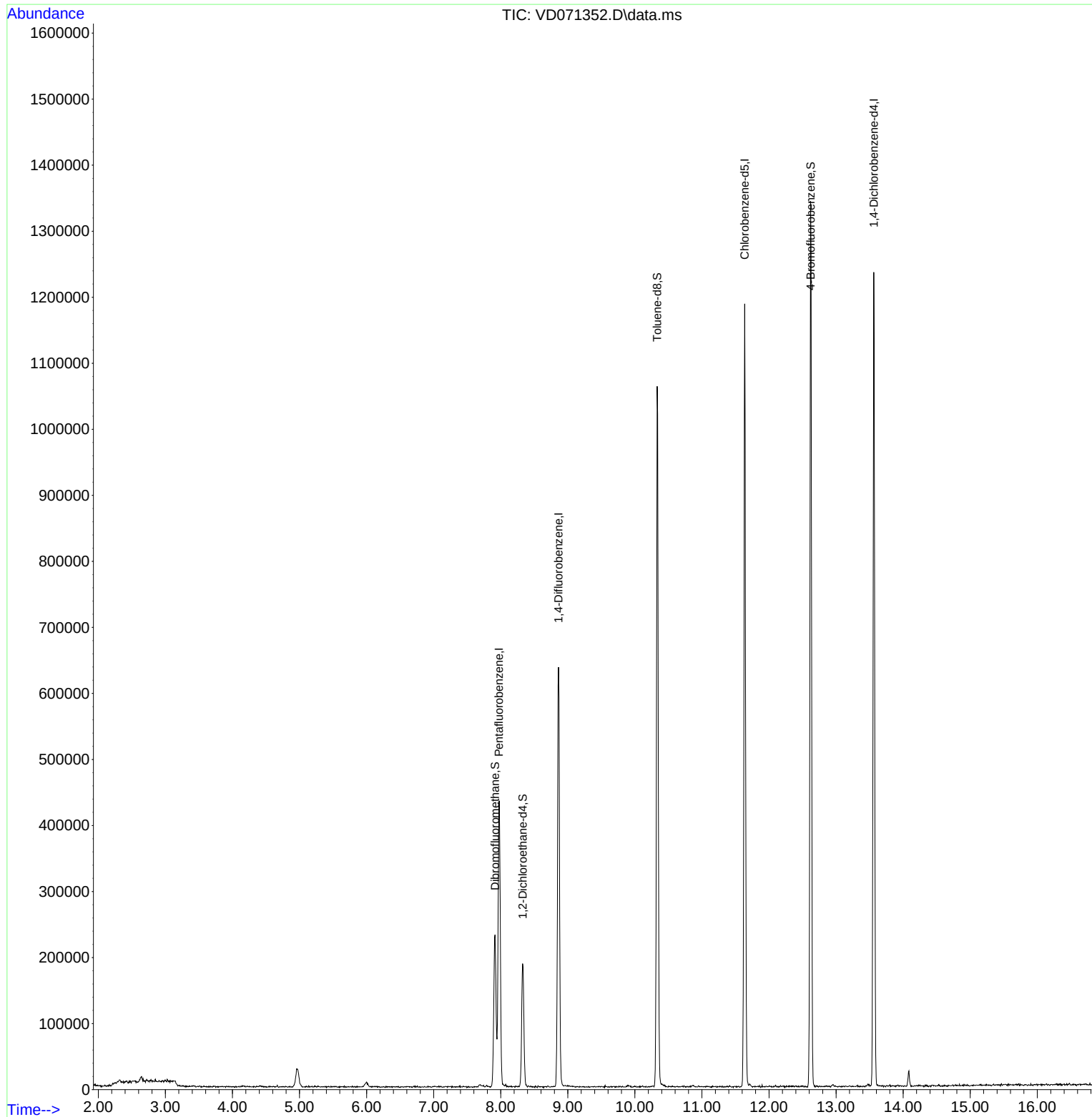
Target Compounds	Qvalue

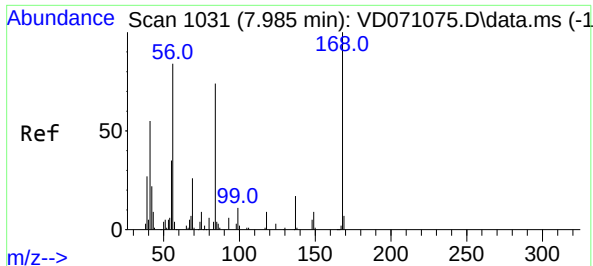
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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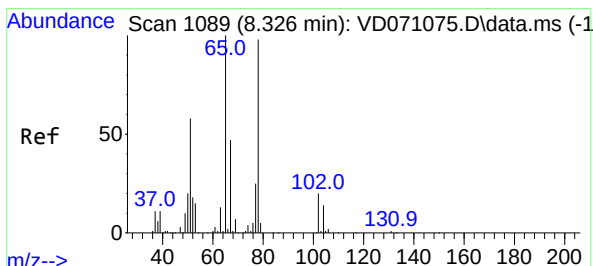
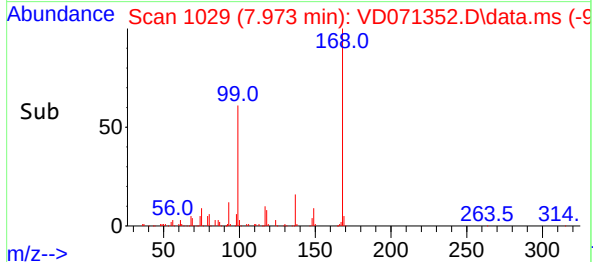
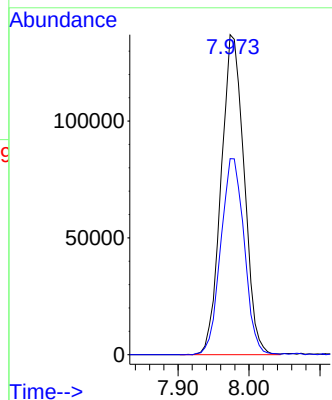
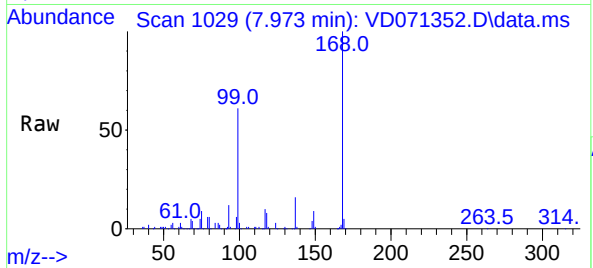




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

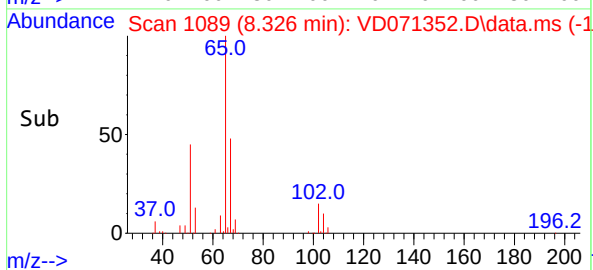
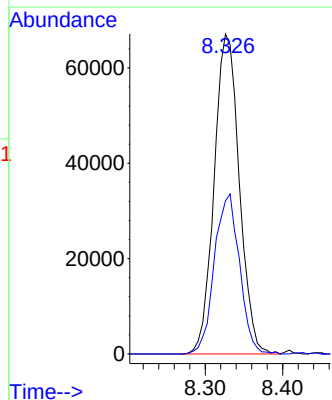
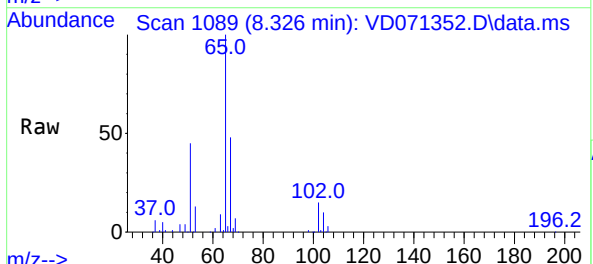
Instrument :
MSVOA_D
ClientSampleId :
MS-3

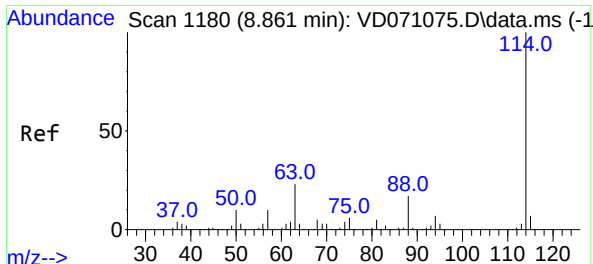
Tgt Ion:168 Resp: 307577
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 41.983 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 65 Resp: 151518
Ion Ratio Lower Upper
65 100
67 49.9 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: VD071352.D

Acq: 15 Dec 2021 19:42

Instrument :

MSVOA_D

ClientSampleId :

MS-3

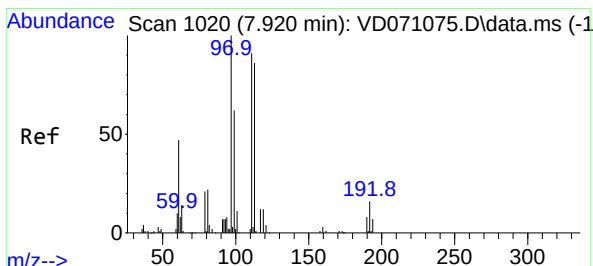
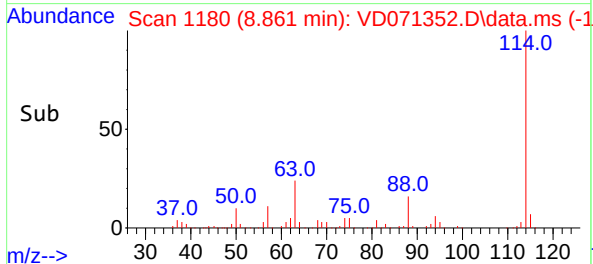
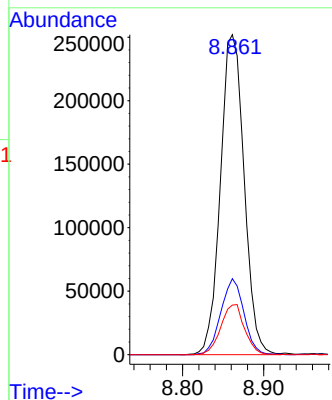
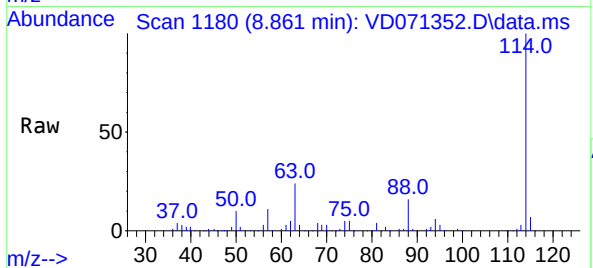
Tgt Ion:114 Resp: 511660

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.8

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.292 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071352.D

Acq: 15 Dec 2021 19:42

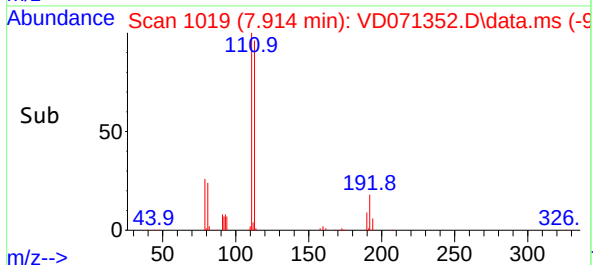
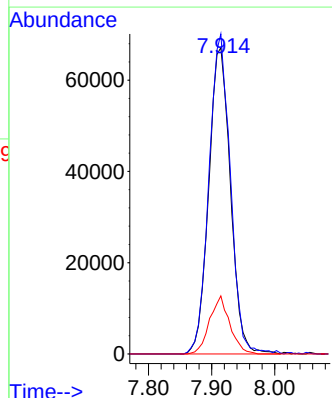
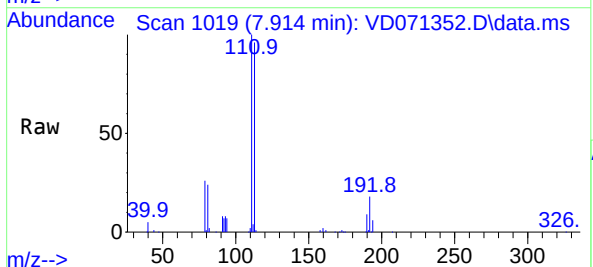
Tgt Ion:113 Resp: 160604

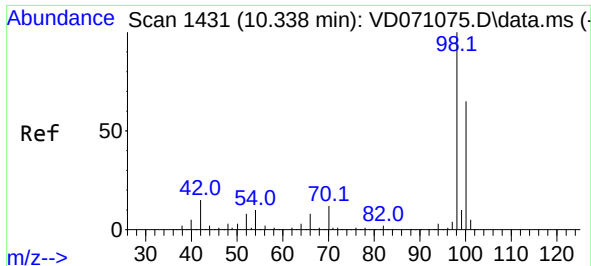
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 17.6 15.2 22.8

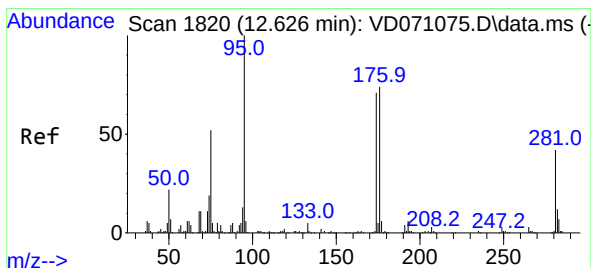
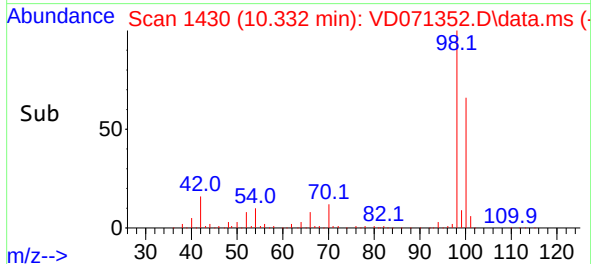
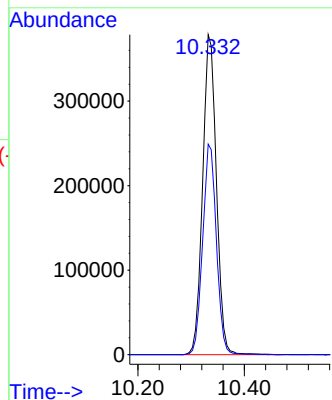
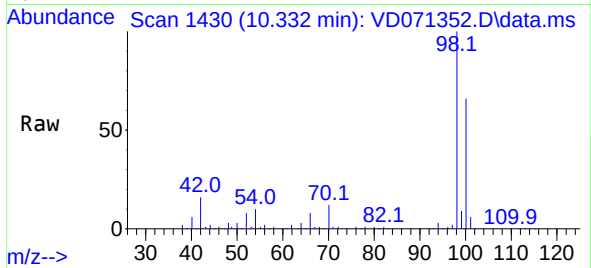




#50
Toluene-d8
Concen: 54.689 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

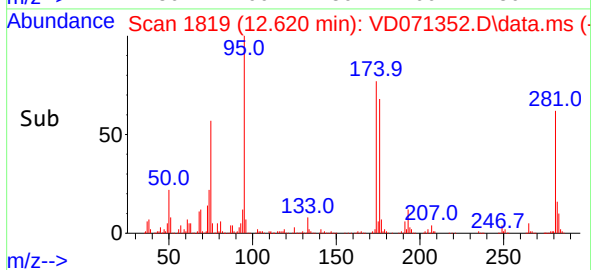
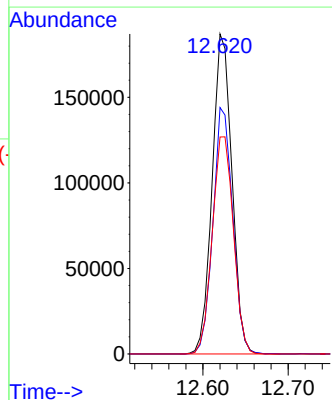
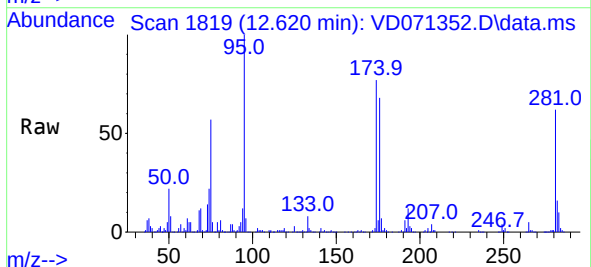
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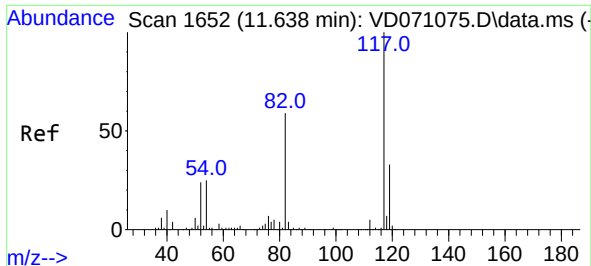
Tgt Ion: 98 Resp: 678100
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 70.181 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 95 Resp: 301639
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 72.9 0.0 154.0

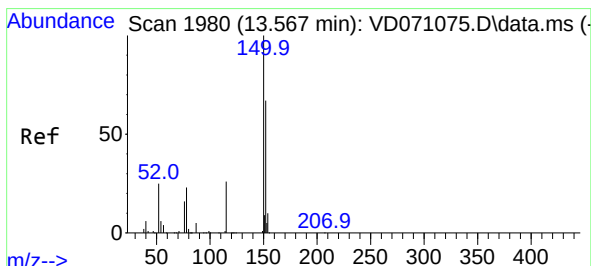
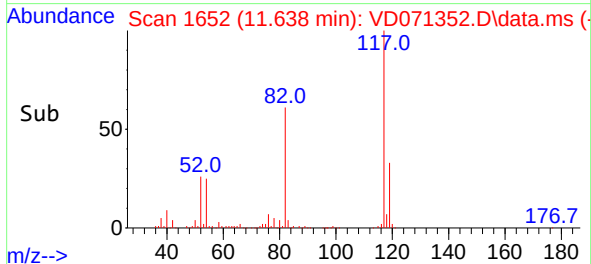
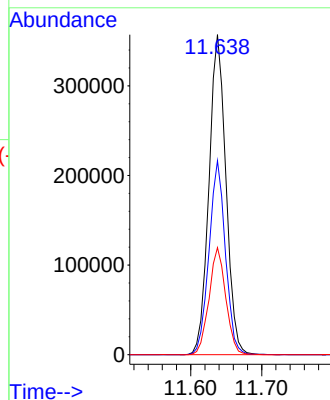
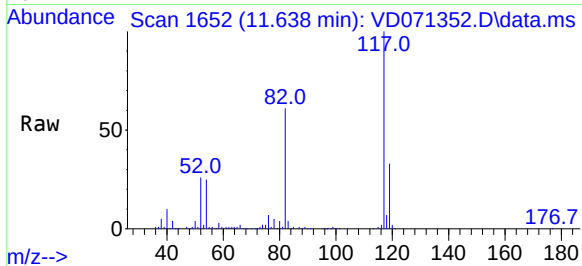




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :
MS-3

Tgt Ion:117 Resp: 592766
Ion Ratio Lower Upper
117 100
82 60.6 44.7 67.1
119 33.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion:152 Resp: 293849
Ion Ratio Lower Upper
152 100
115 59.7 29.8 89.3
150 159.1 0.0 349.2

