

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071282.D
 Acq On : 11 Dec 2021 21:03
 Operator : VA/SY
 Sample : M5017-39
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1A

Quant Time: Dec 12 18:53:19 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	48544	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	85045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	101749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53175	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	42194	74.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.160%
35) Dibromofluoromethane	7.909	113	31329	57.850	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.700%
50) Toluene-d8	10.332	98	109034	52.906	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.820%
62) 4-Bromofluorobenzene	12.620	95	51994	72.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	145.560%#

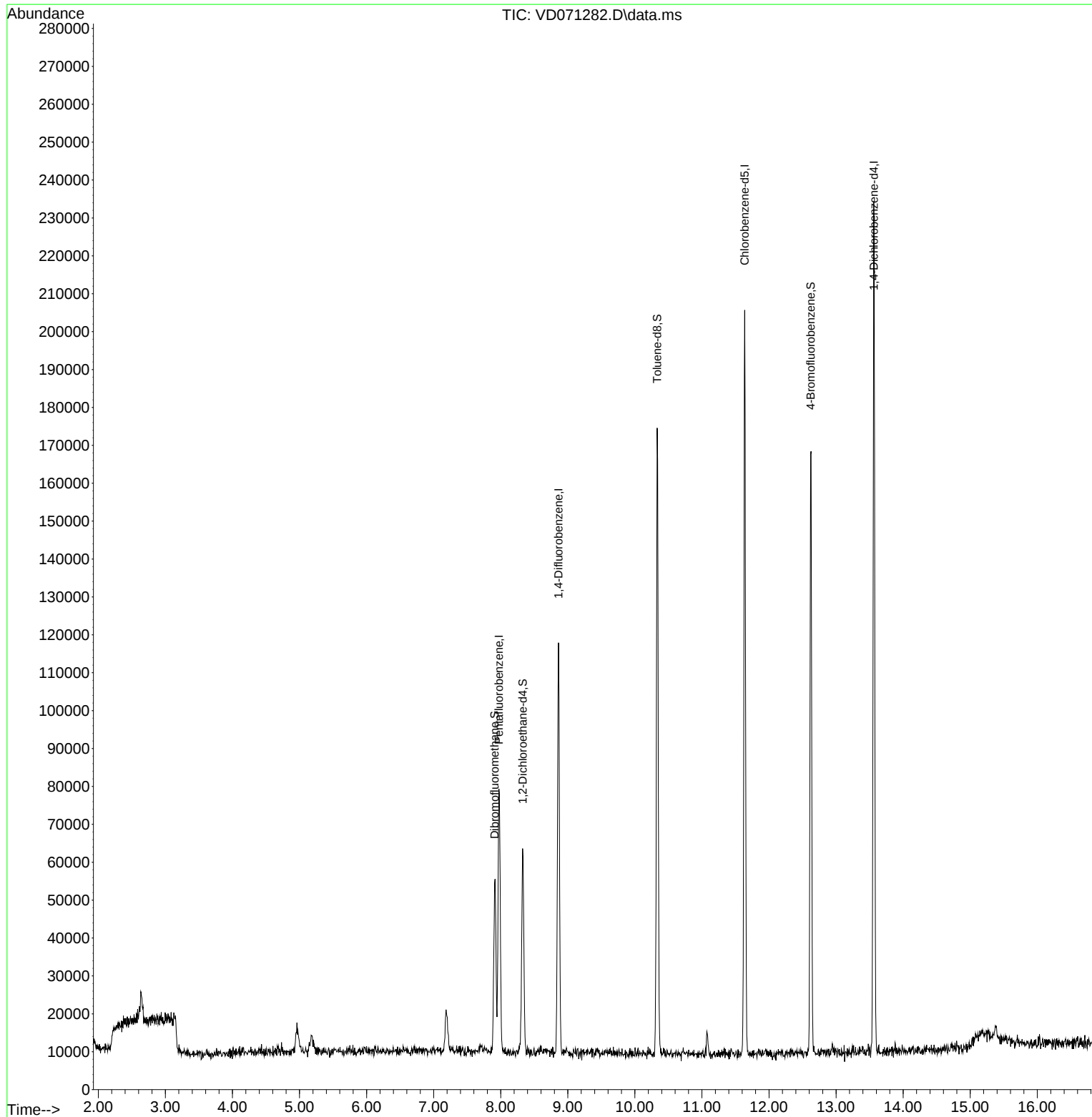
Target Compounds	Qvalue

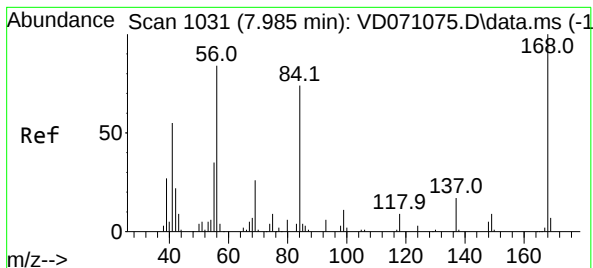
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD071282.D

Acq: 11 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

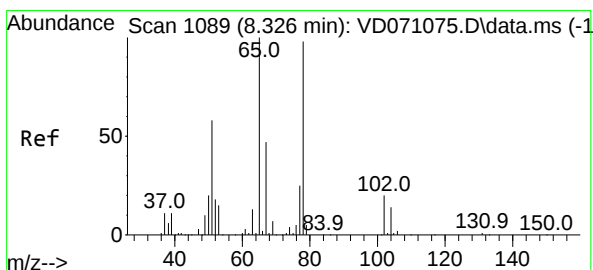
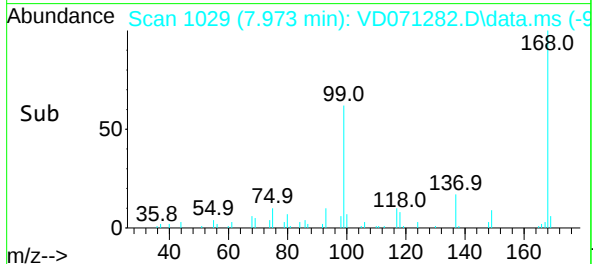
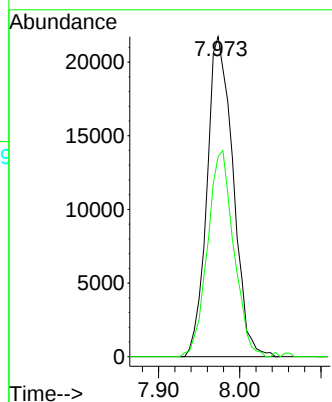
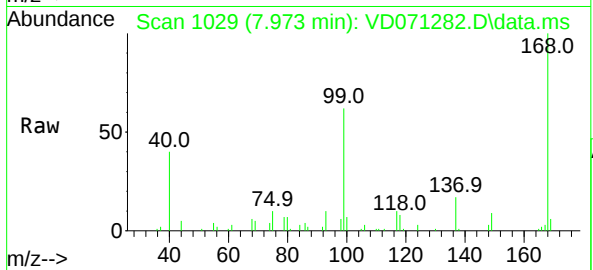
SP1A

Tgt Ion:168 Resp: 48544

Ion Ratio Lower Upper

168 100

99 62.5 46.6 69.8



#33

1,2-Dichloroethane-d4

Concen: 74.076 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071282.D

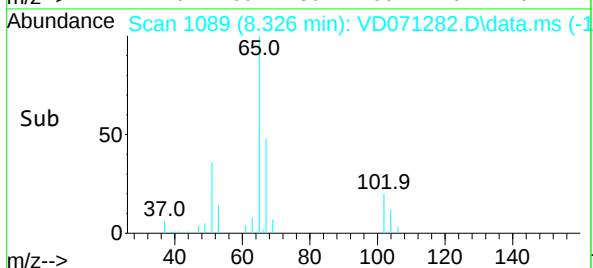
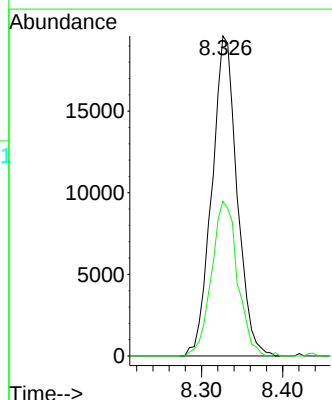
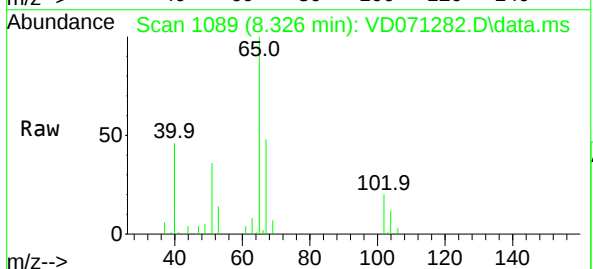
Acq: 11 Dec 2021 21:03

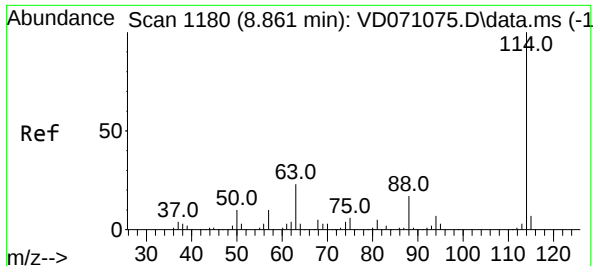
Tgt Ion: 65 Resp: 42194

Ion Ratio Lower Upper

65 100

67 49.8 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: VD071282.D

Acq: 11 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

SP1A

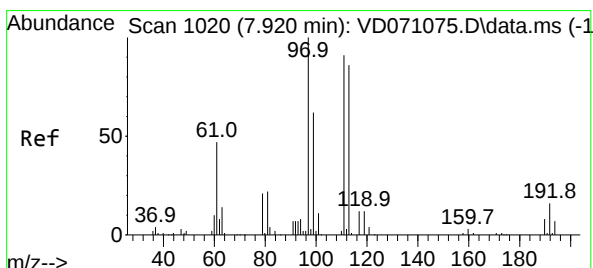
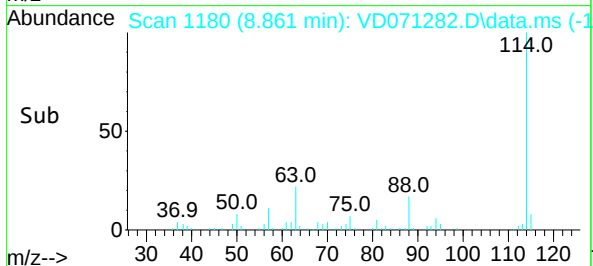
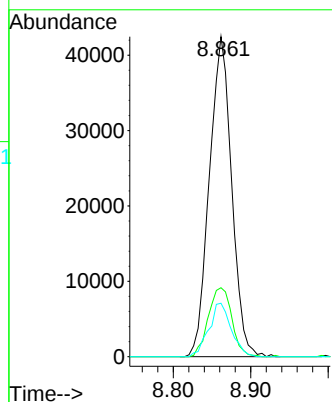
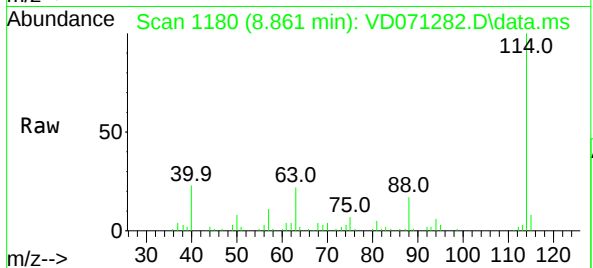
Tgt Ion:114 Resp: 85045

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 57.850 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071282.D

Acq: 11 Dec 2021 21:03

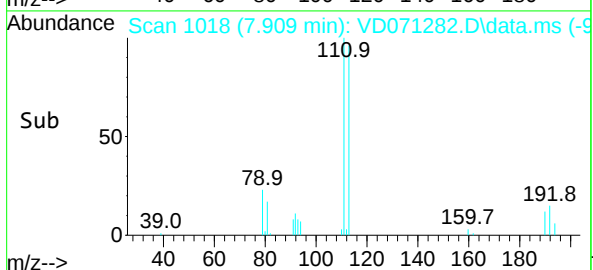
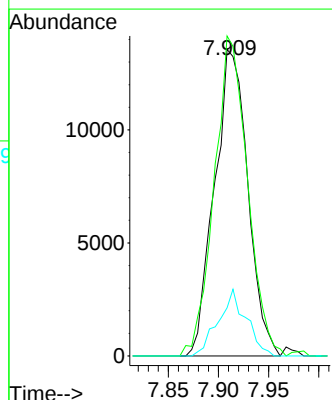
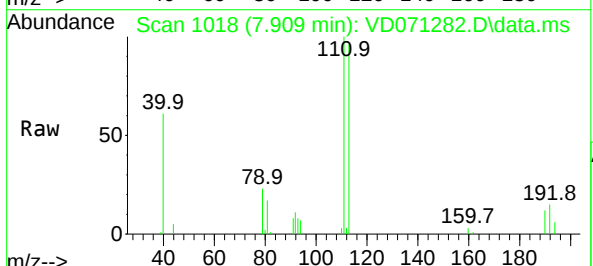
Tgt Ion:113 Resp: 31329

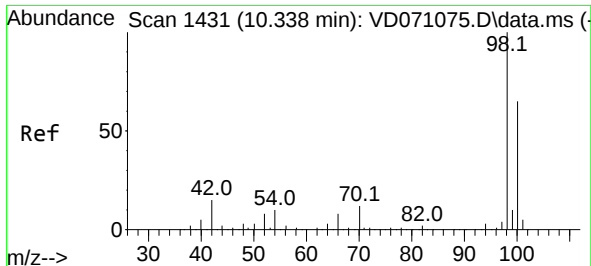
Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 18.1 15.2 22.8

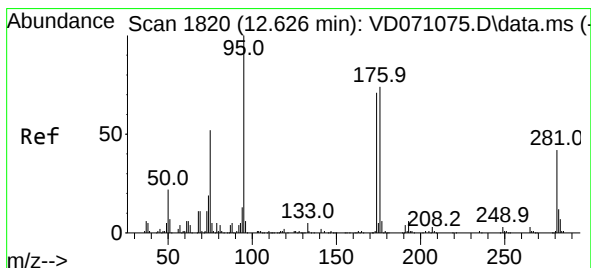
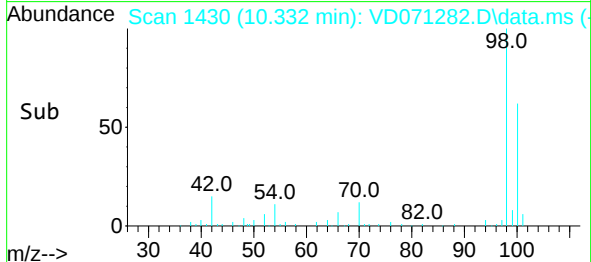
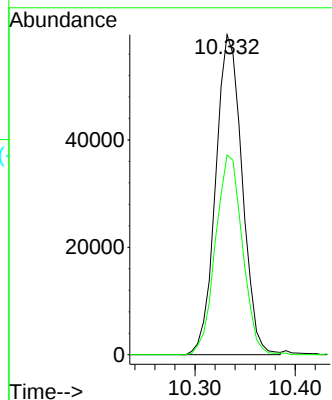
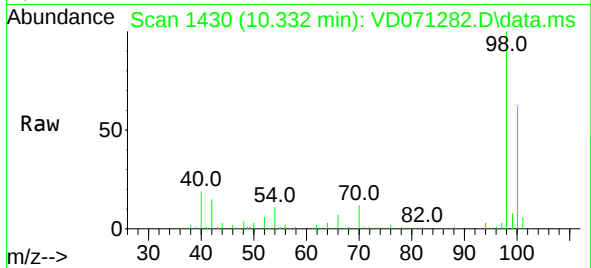




#50
Toluene-d8
Concen: 52.906 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

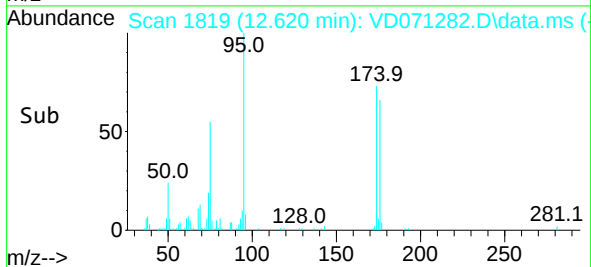
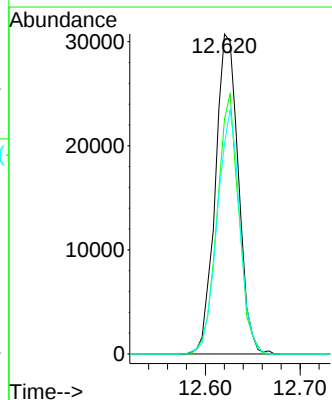
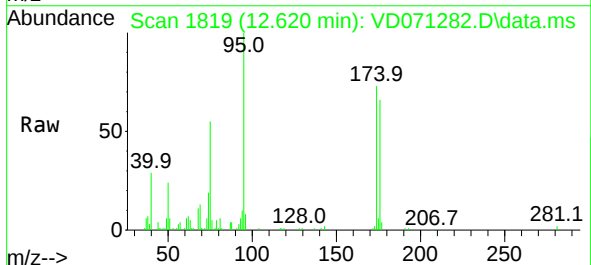
Instrument :
MSVOA_D
ClientSampleId :
SP1A

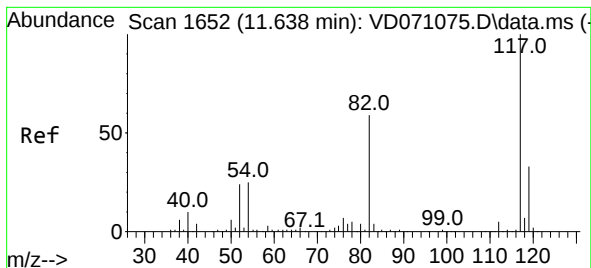
Tgt Ion: 98 Resp: 109034
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 72.781 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 95 Resp: 51994
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 74.4 0.0 154.0

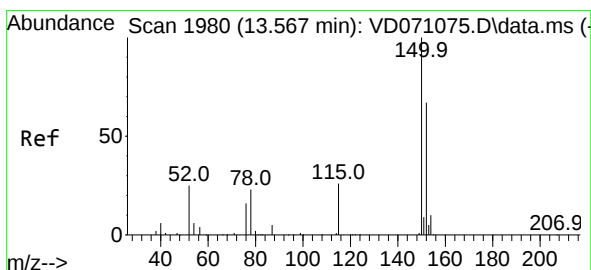
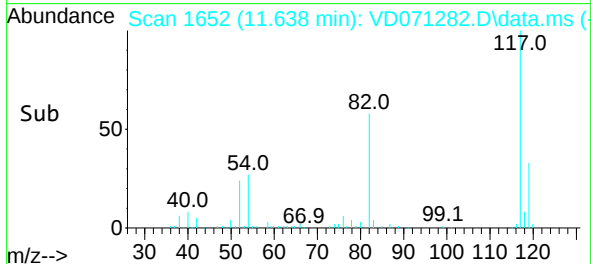
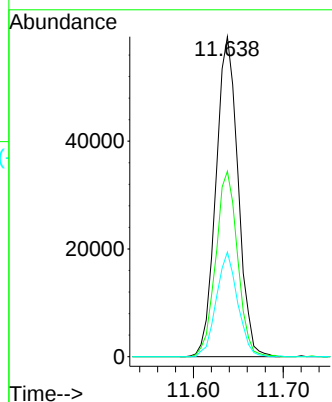
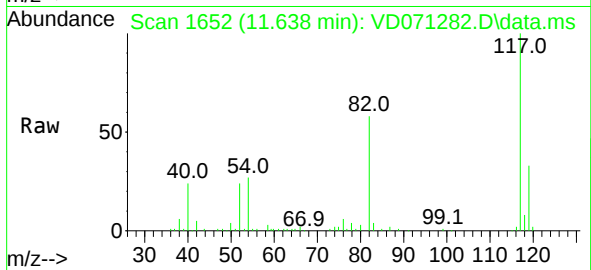




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
SP1A

Tgt Ion:117 Resp: 101749
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 32.7 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: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion:152 Resp: 53175
Ion Ratio Lower Upper
152 100
115 62.9 29.8 89.3
150 159.4 0.0 349.2

