

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071353.D
 Acq On : 15 Dec 2021 20:10
 Operator : VA/SY
 Sample : M5089-13
 Misc : 5.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-4

Quant Time: Dec 16 04:32:13 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	13541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	20948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	26727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	14583	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10585	66.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.240%
35) Dibromofluoromethane	7.909	113	6460	48.428	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.860%
50) Toluene-d8	10.332	98	24956	49.161	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.620	95	12269	69.724	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	139.440%

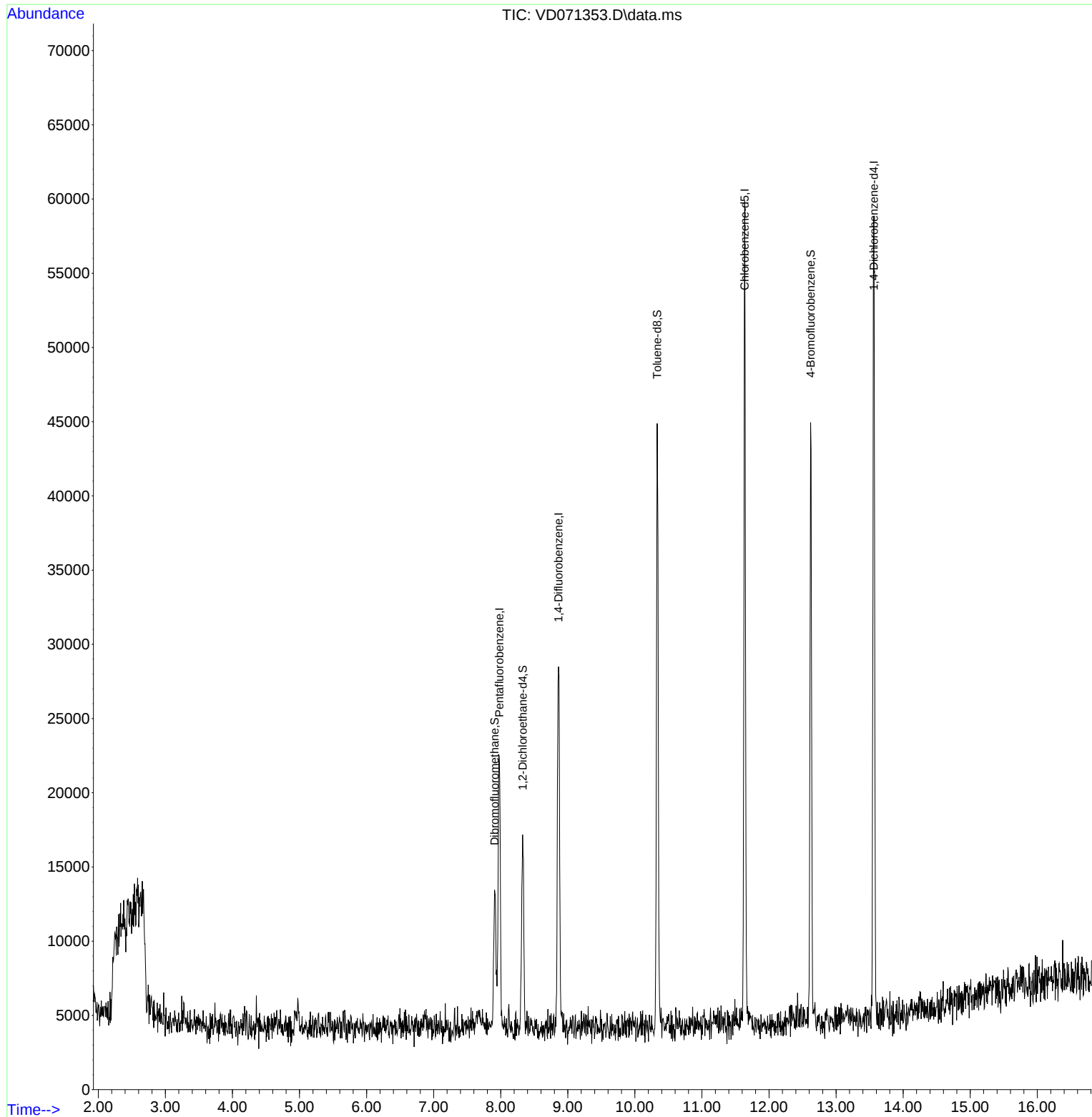
Target Compounds	Qvalue

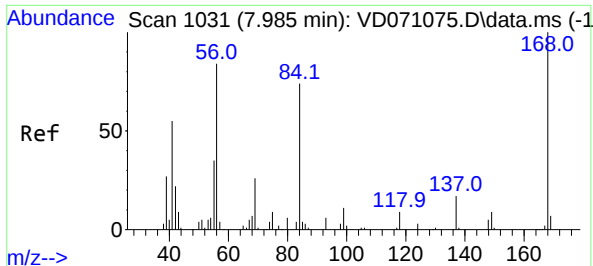
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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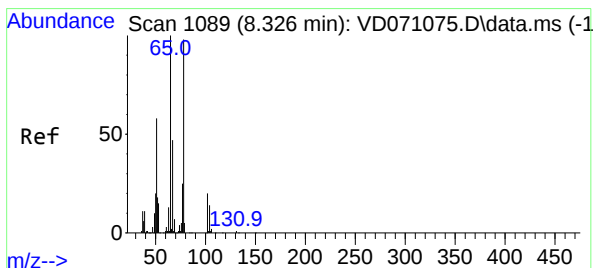
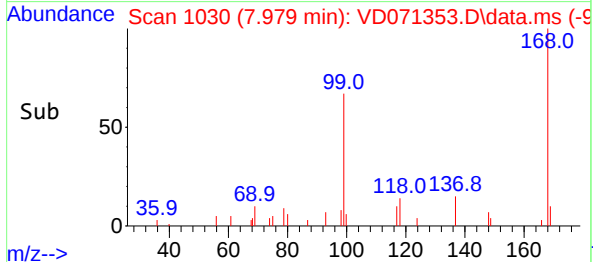
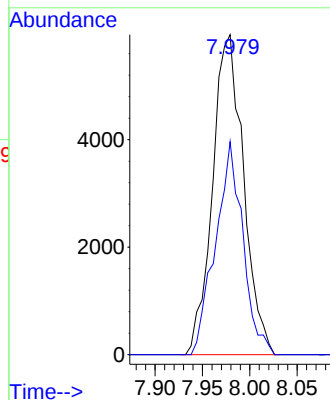
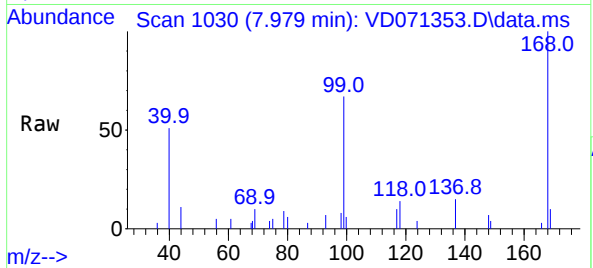




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

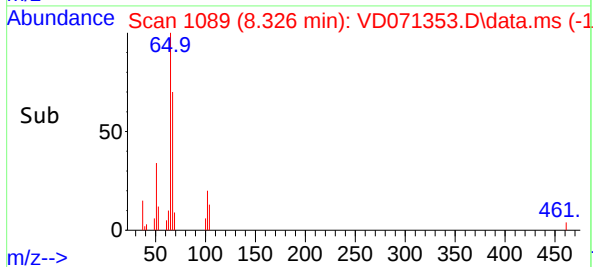
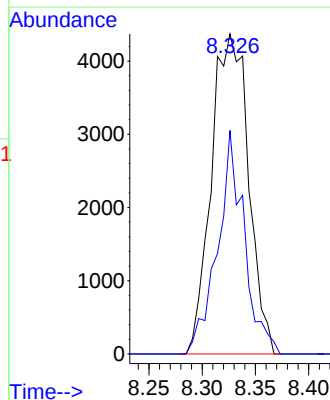
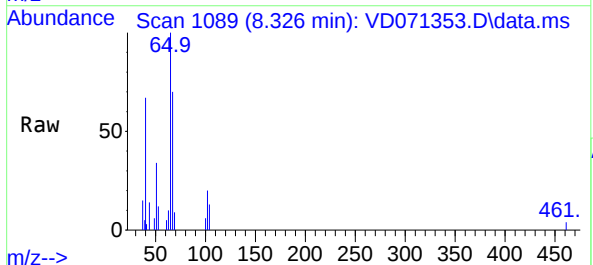
Instrument : MSVOA_D
ClientSampleId : MS-4

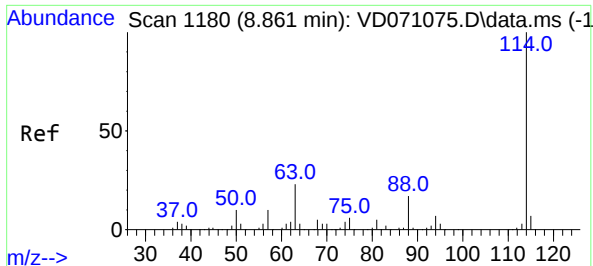
Tgt Ion:168 Resp: 13541
Ion Ratio Lower Upper
168 100
99 66.6 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 66.619 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 65 Resp: 10585
Ion Ratio Lower Upper
65 100
67 50.1 0.0 112.2

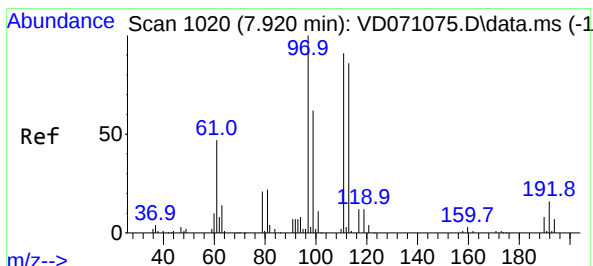
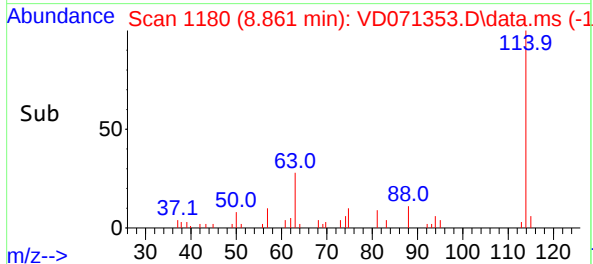
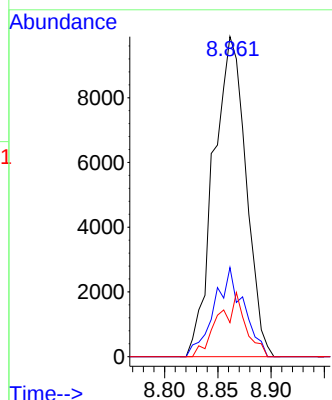
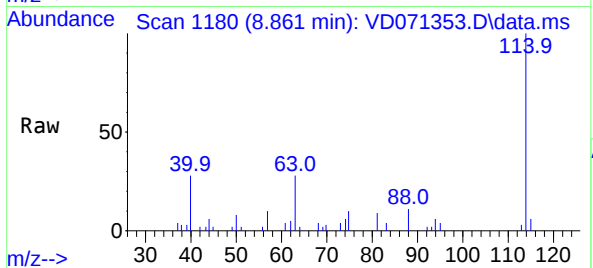




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

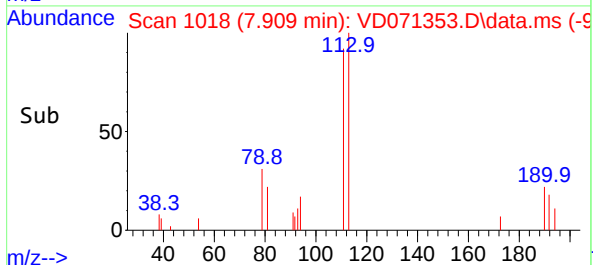
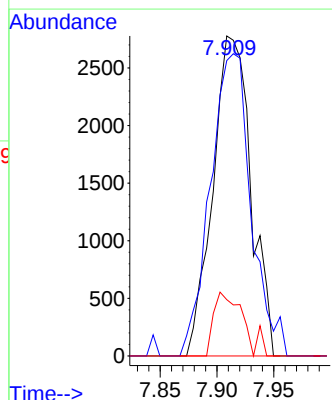
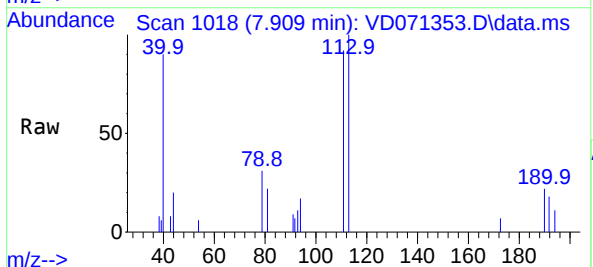
Instrument :
MSVOA_D
ClientSampleId :
MS-4

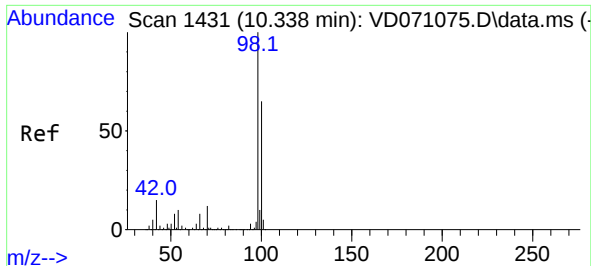
Tgt Ion:	114	Resp:	20948
Ion Ratio	Lower	Upper	
114	100		
63	27.8	0.0	41.8
88	10.7	0.0	32.8



#35
Dibromofluoromethane
Concen: 48.428 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

Tgt Ion:	113	Resp:	6460
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.0	123.0
192	15.4	15.2	22.8

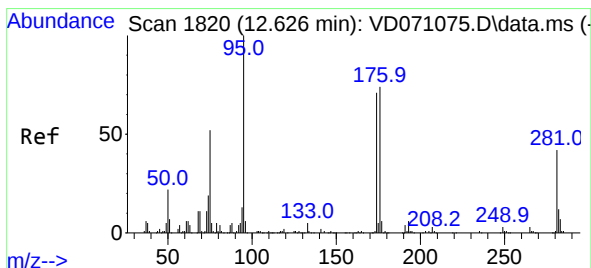
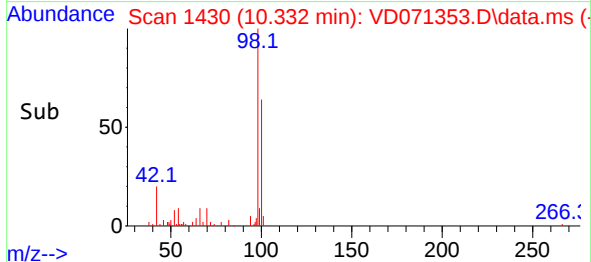
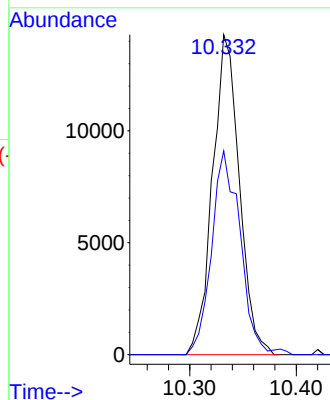
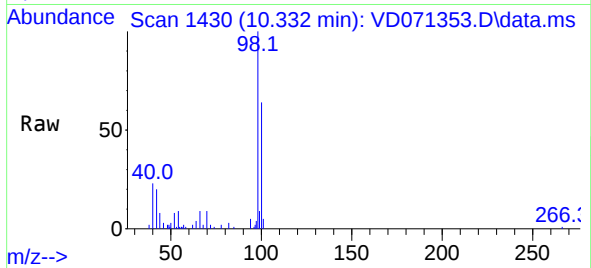




#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

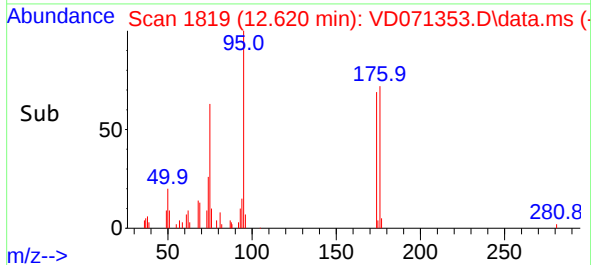
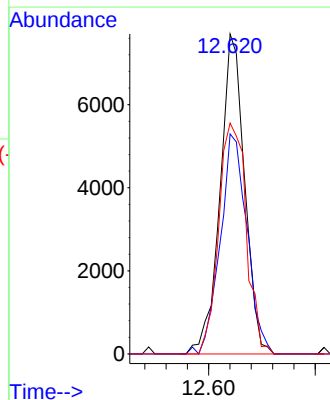
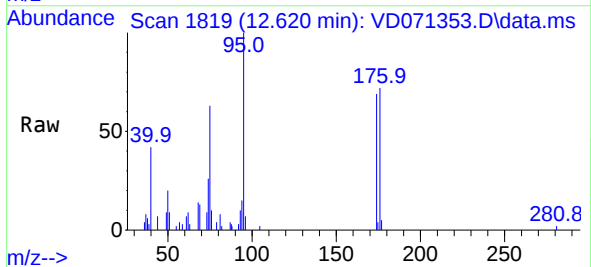
Instrument :
MSVOA_D
ClientSampleId :
MS-4

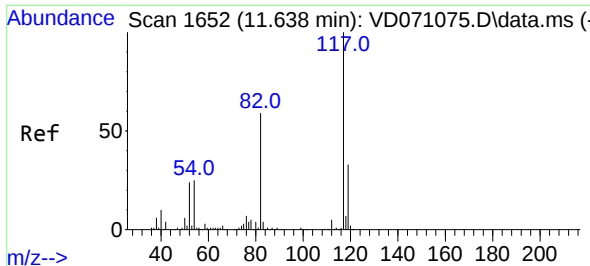
Tgt Ion: 98 Resp: 24956
Ion Ratio Lower Upper
98 100
100 67.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 69.724 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

Tgt Ion: 95 Resp: 12269
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 81.1 0.0 154.0

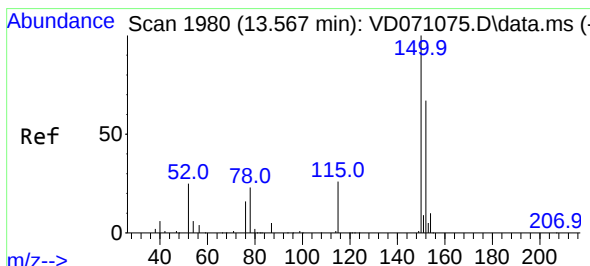
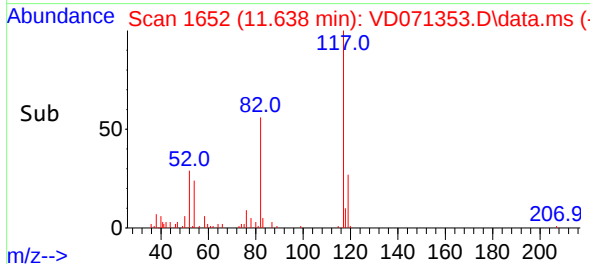
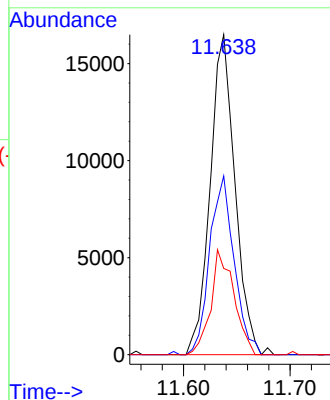
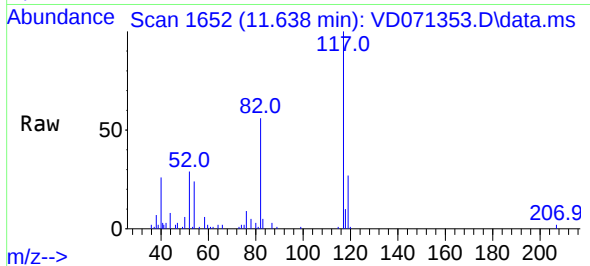




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071353.D
Acq: 15 Dec 2021 20:10

Instrument :
MSVOA_D
ClientSampleId :
MS-4

Tgt Ion:	117	Resp:	26727
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.7	67.1
119	26.9	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: VD071353.D
Acq: 15 Dec 2021 20:10

Tgt Ion:	152	Resp:	14583
Ion	Ratio	Lower	Upper
152	100		
115	53.8	29.8	89.3
150	140.4	0.0	349.2

