

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122921\
 Data File : VD071529.D
 Acq On : 29 Dec 2021 15:25
 Operator : VA/SY
 Sample : M5223-02
 Misc : 5.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-19-(40-45)-12-22-21

Quant Time: Dec 29 19:50:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	388278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	666917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	634481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	282708	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218919	42.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.900%
35) Dibromofluoromethane	7.914	113	205458	45.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.680%
50) Toluene-d8	10.338	98	833512	49.209	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.620	95	293095	48.695	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.380%

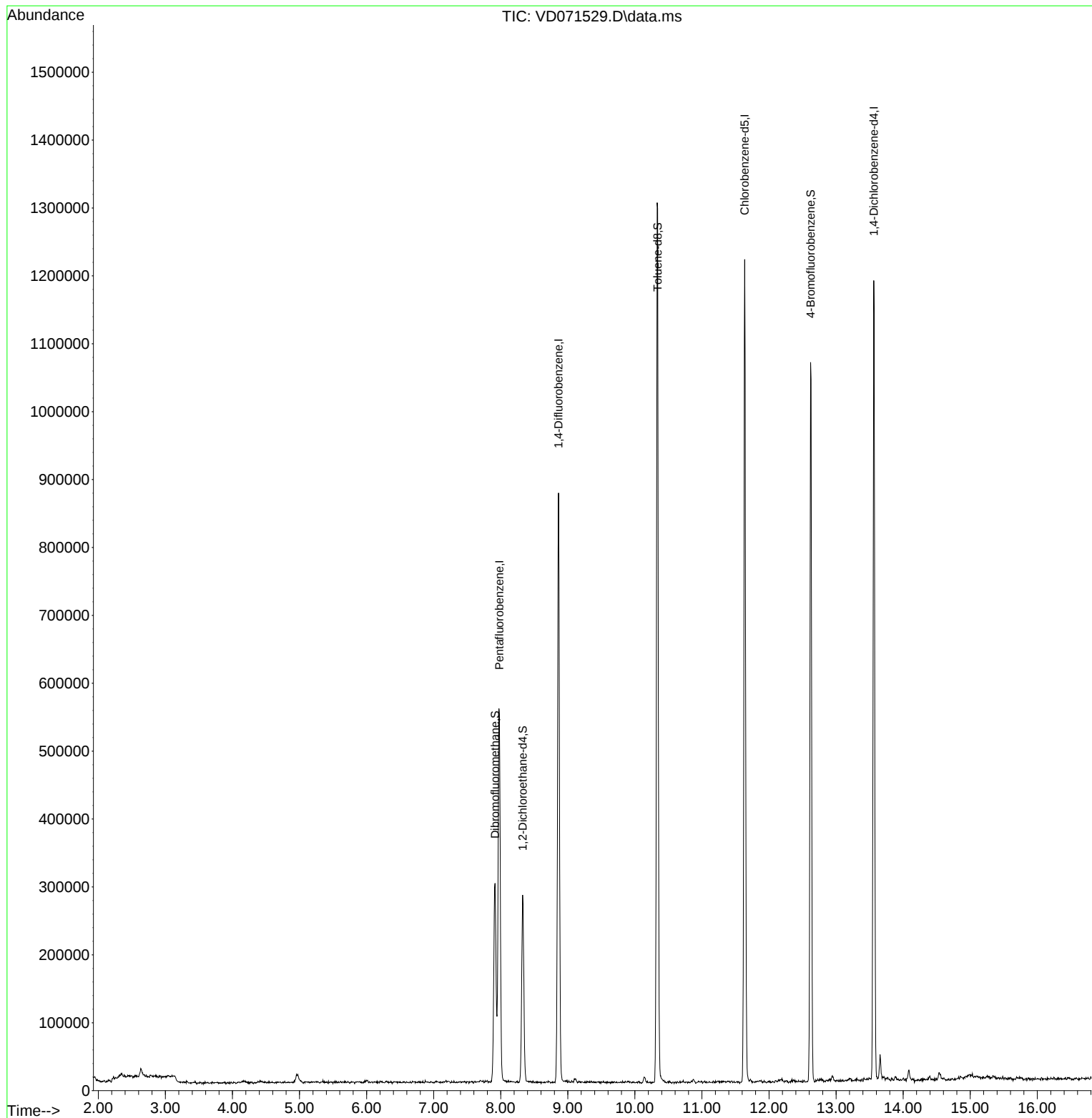
Target Compounds	Qvalue

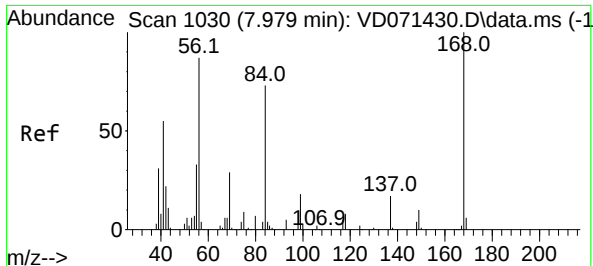
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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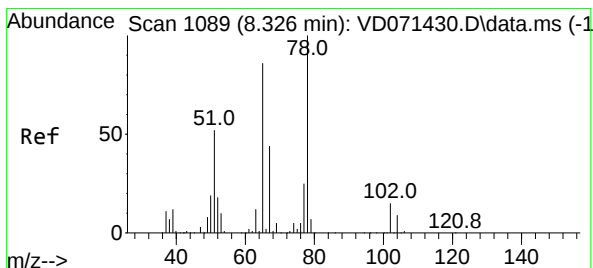
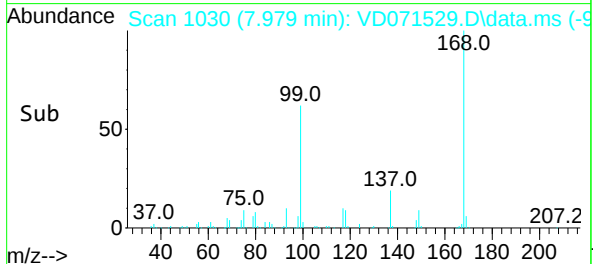
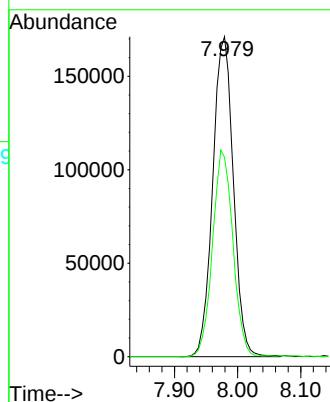
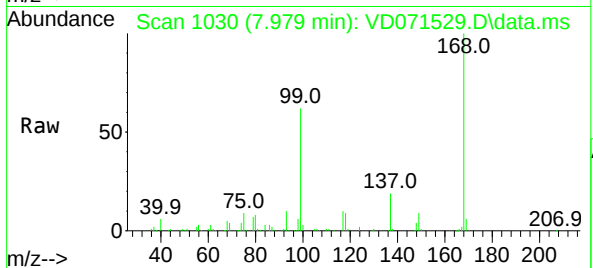




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

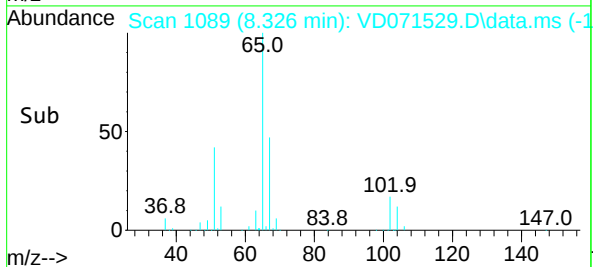
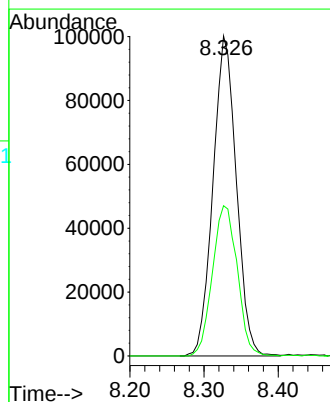
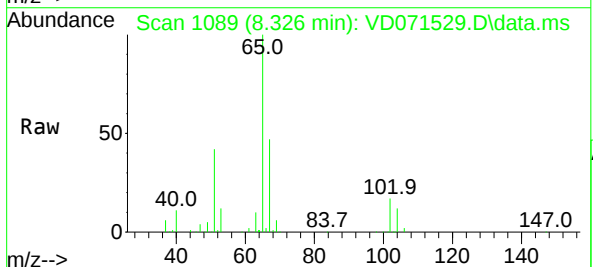
Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

Tgt Ion:168 Resp: 388278
Ion Ratio Lower Upper
168 100
99 62.3 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 42.454 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

Tgt Ion: 65 Resp: 218919
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: VD071529.D

Acq: 29 Dec 2021 15:25

Instrument :

MSVOA_D

ClientSampleId :

DB-19-(40-45)-12-22-21

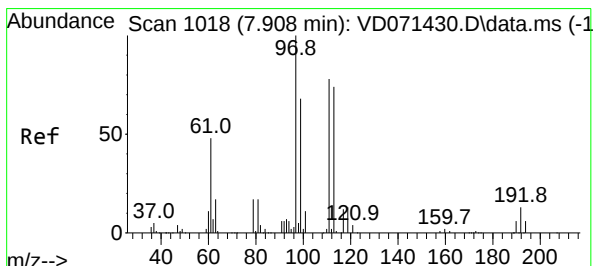
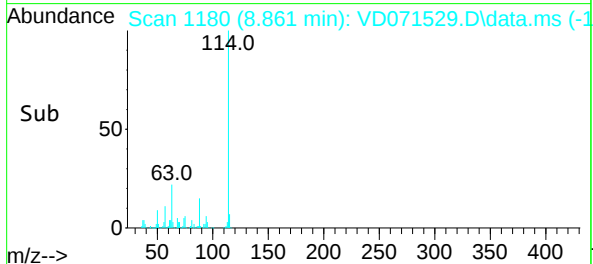
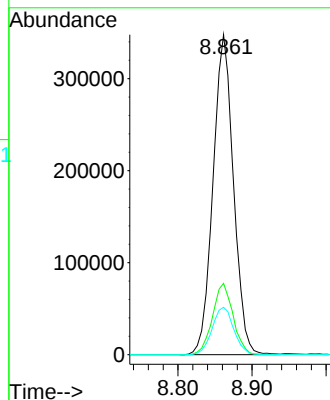
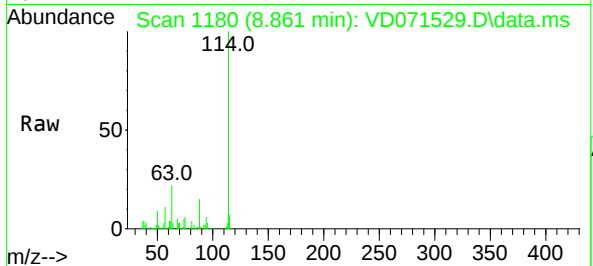
Tgt Ion:114 Resp: 666917

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.839 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071529.D

Acq: 29 Dec 2021 15:25

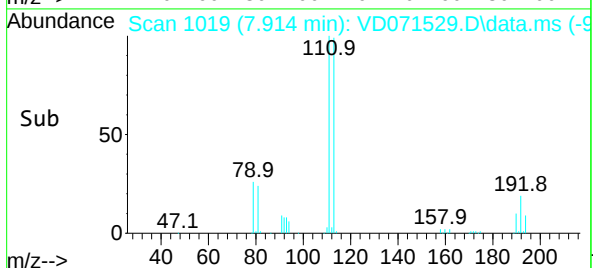
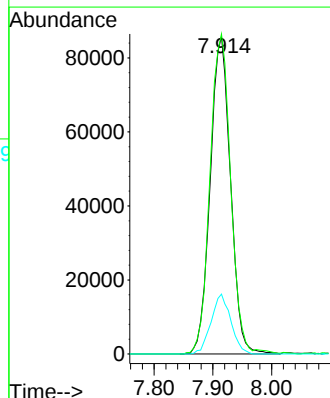
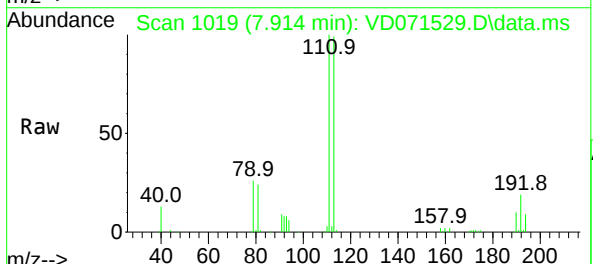
Tgt Ion:113 Resp: 205458

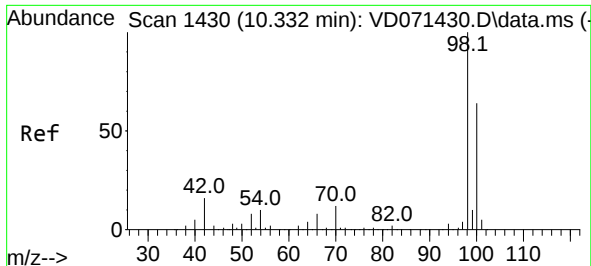
Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 18.4 15.2 22.8

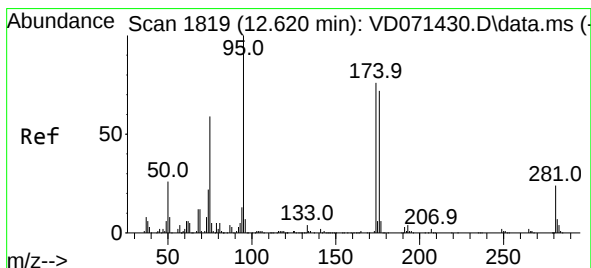
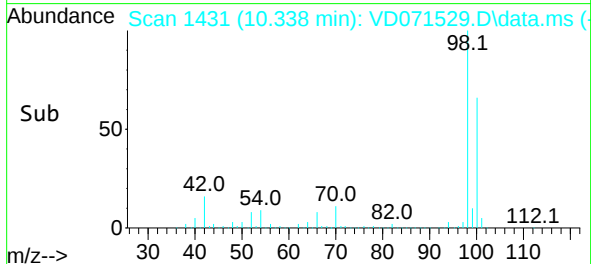
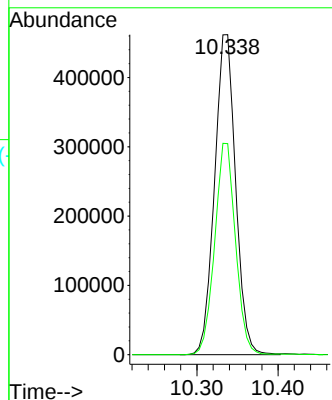
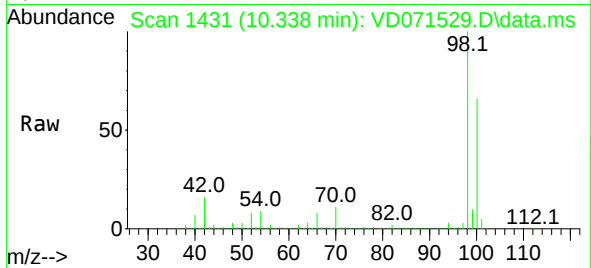




#50
Toluene-d8
Concen: 49.209 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

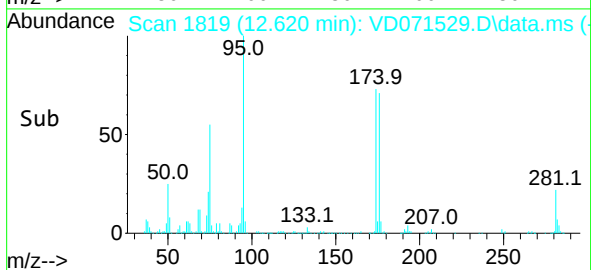
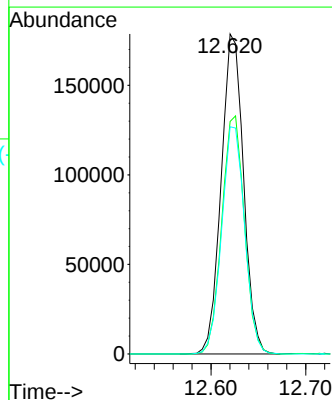
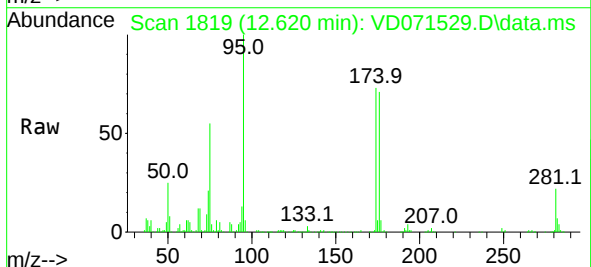
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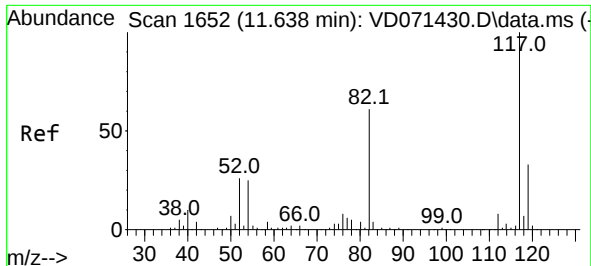
Tgt Ion: 98 Resp: 833512
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 48.695 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

Tgt Ion: 95 Resp: 293095
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 73.0 0.0 154.0

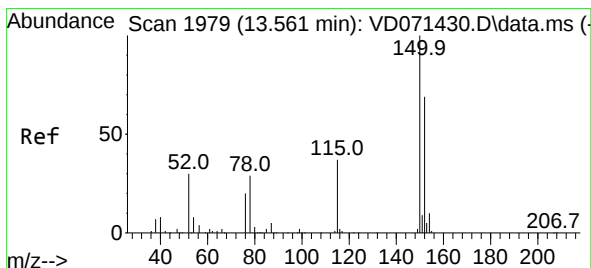
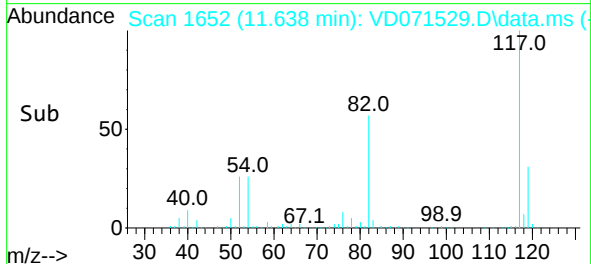
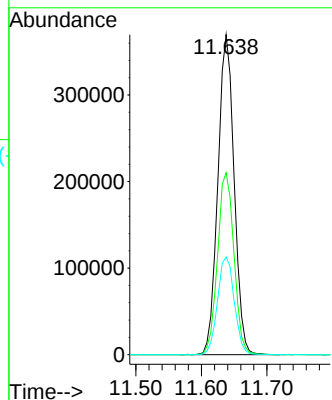
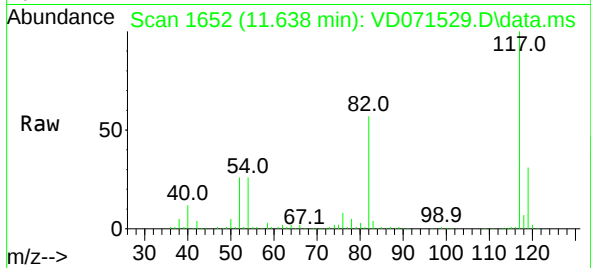




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

Instrument :
MSVOA_D
ClientSampleId :
DB-19-(40-45)-12-22-21

Tgt Ion:117 Resp: 634481
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 30.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071529.D
Acq: 29 Dec 2021 15:25

Tgt Ion:152 Resp: 282708
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 156.6 0.0 349.2

