

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071465.D
 Acq On : 25 Dec 2021 18:36
 Operator : VA/SY
 Sample : M5191-03
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021

Quant Time: Dec 27 00:51:26 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)

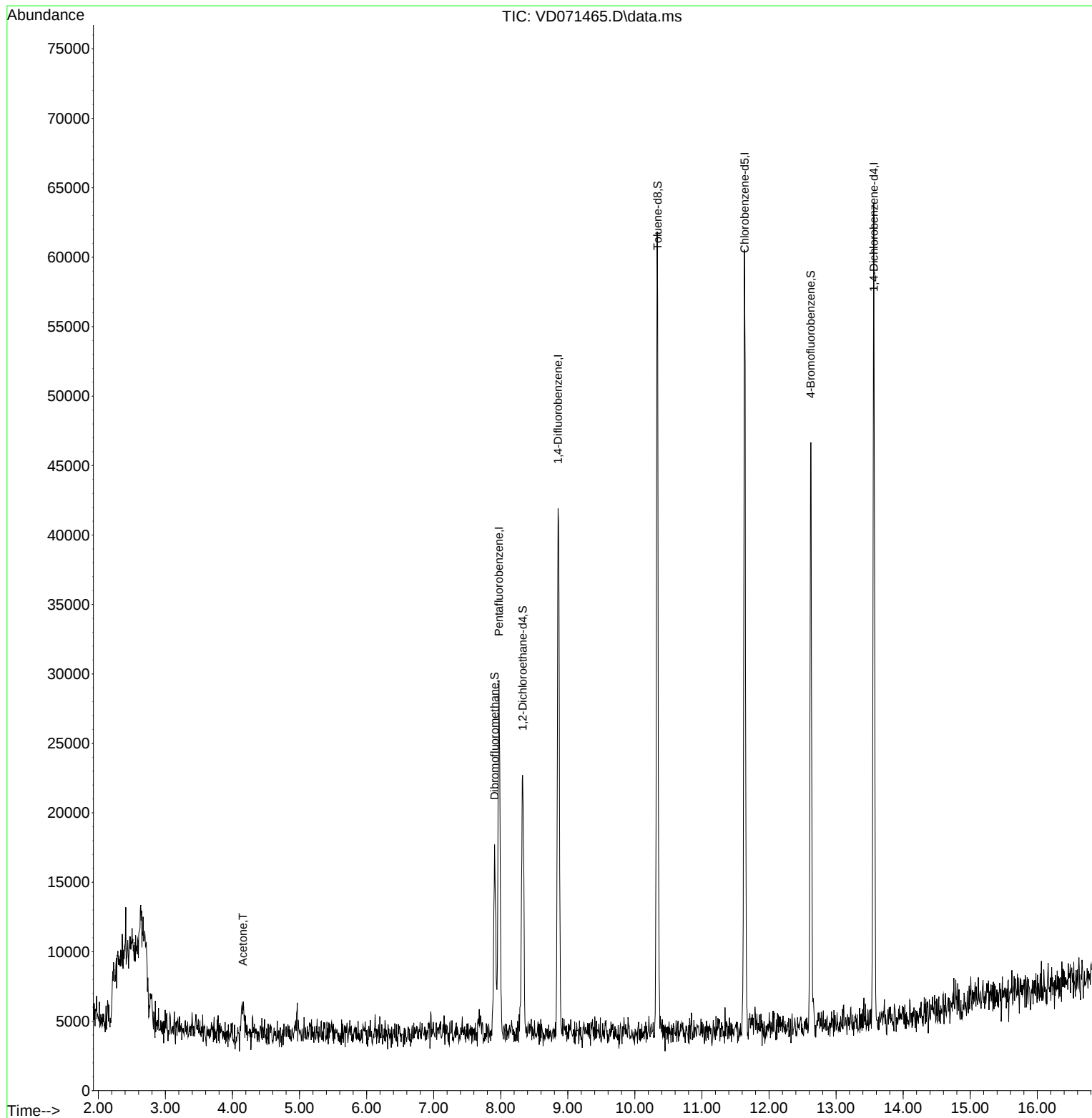
Internal Standards						
1) Pentafluorobenzene	7.973	168	17243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	30421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	29610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16097	70.292	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.580%
35) Dibromofluoromethane	7.909	113	8168	39.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.900%
50) Toluene-d8	10.338	98	36213	46.870	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.620	95	13064	47.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.160%
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	4262	74.095	ug/l #	81

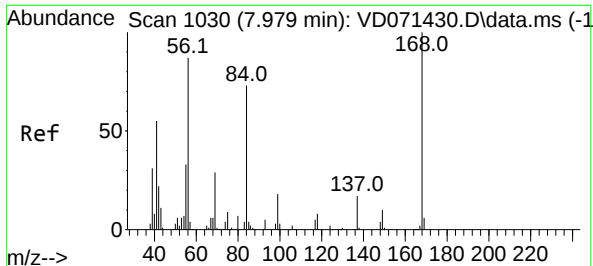
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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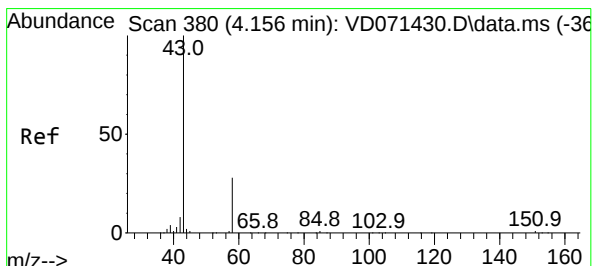
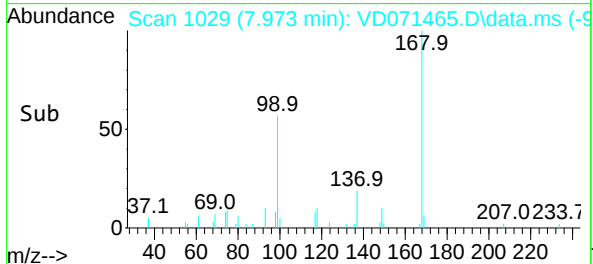
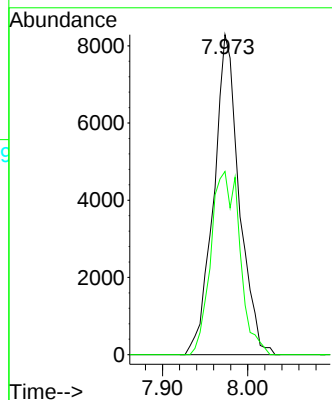
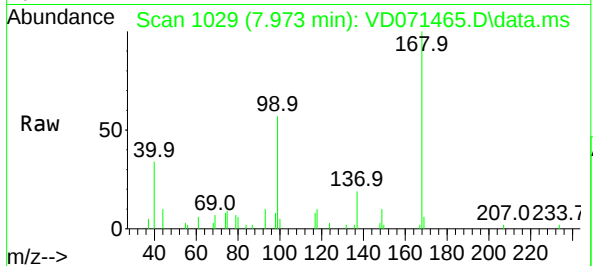




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

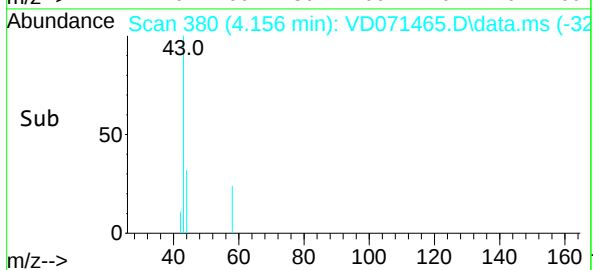
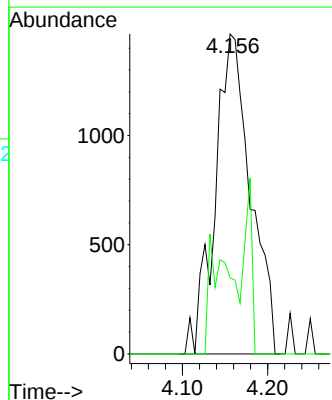
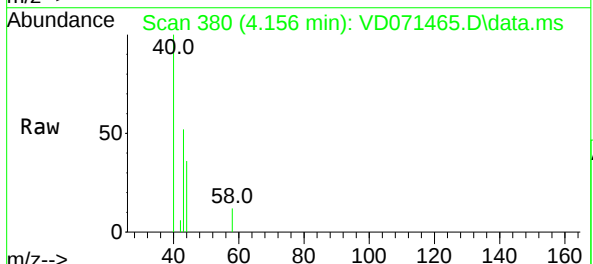
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

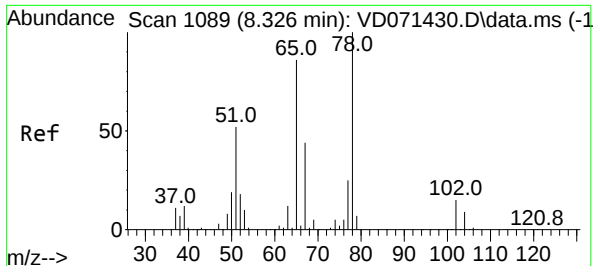
Tgt Ion:168 Resp: 17243
Ion Ratio Lower Upper
168 100
99 57.3 46.6 69.8



#16
Acetone
Concen: 74.095 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
58 23.8 27.8 41.8#





#33

1,2-Dichloroethane-d4

Concen: 70.292 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD071465.D

Acq: 25 Dec 2021 18:36

Instrument :

MSVOA_D

ClientSampleId :

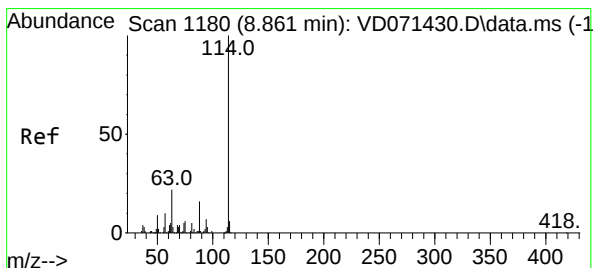
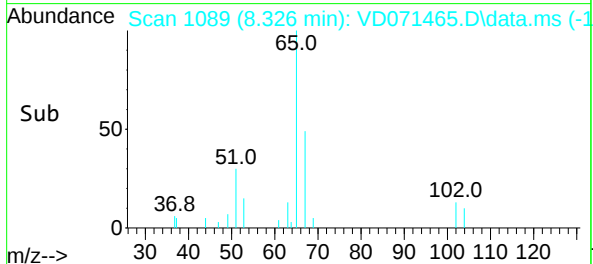
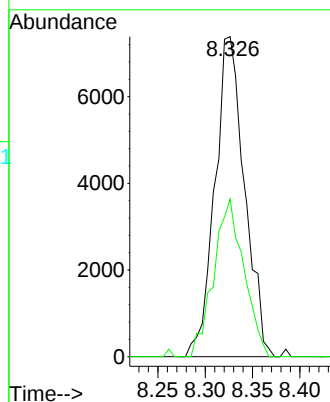
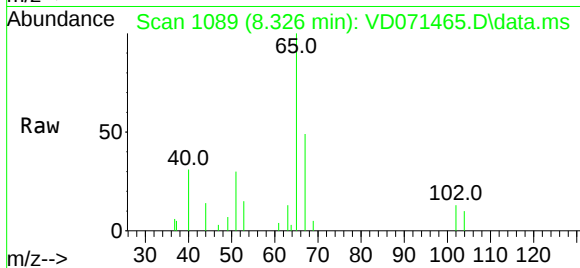
TP-(3.5-7.0)-12-21-2021

Tgt Ion: 65 Resp: 16097

Ion Ratio Lower Upper

65 100

67 50.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD071465.D

Acq: 25 Dec 2021 18:36

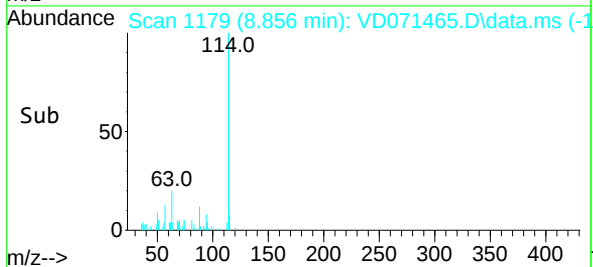
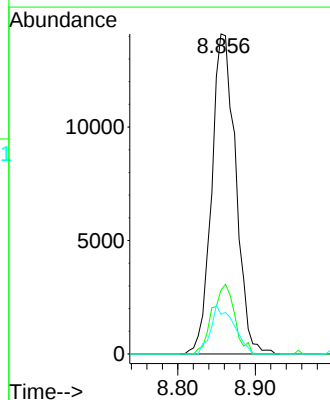
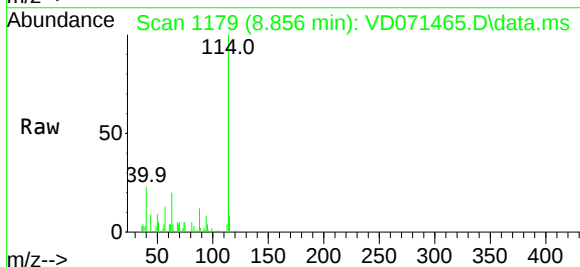
Tgt Ion:114 Resp: 30421

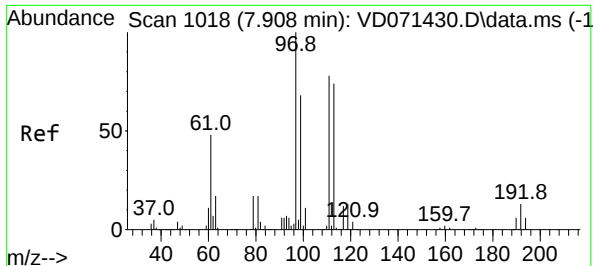
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

88 12.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 39.951 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD071465.D

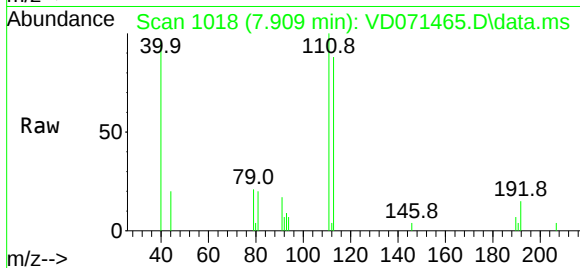
Acq: 25 Dec 2021 18:36

Instrument :

MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021



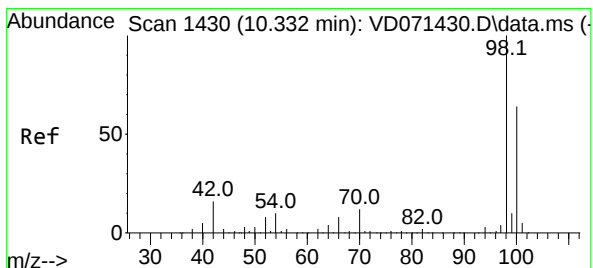
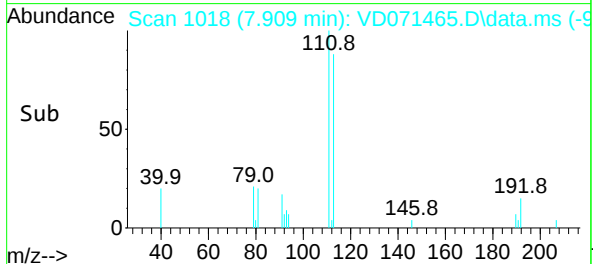
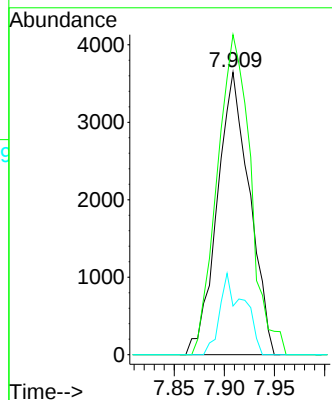
Tgt Ion:113 Resp: 8168

Ion Ratio Lower Upper

113 100

111 116.8 82.0 123.0

192 21.4 15.2 22.8



#50

Toluene-d8

Concen: 46.870 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071465.D

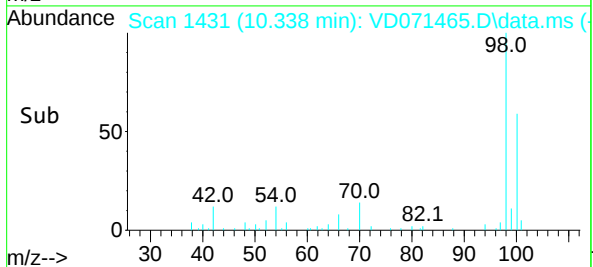
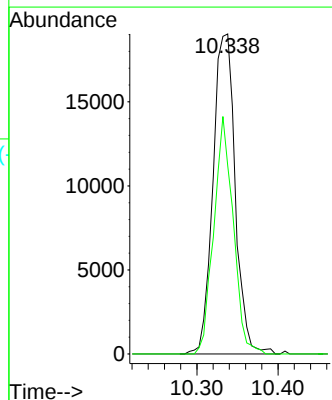
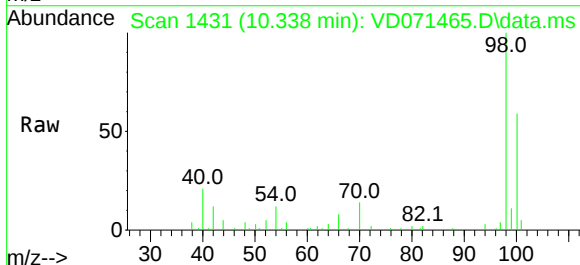
Acq: 25 Dec 2021 18:36

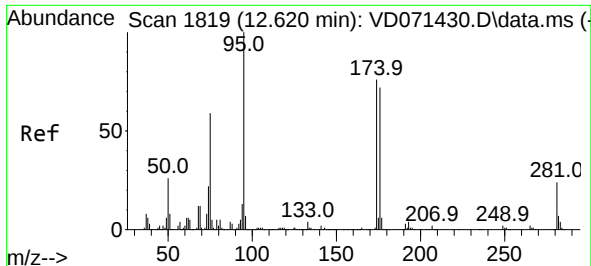
Tgt Ion: 98 Resp: 36213

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6

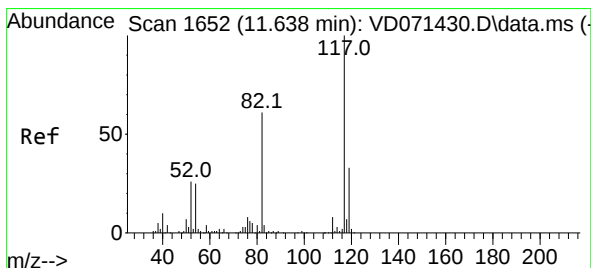
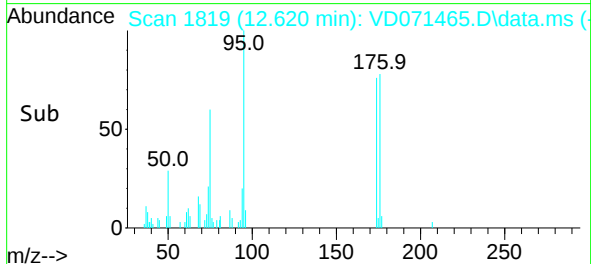
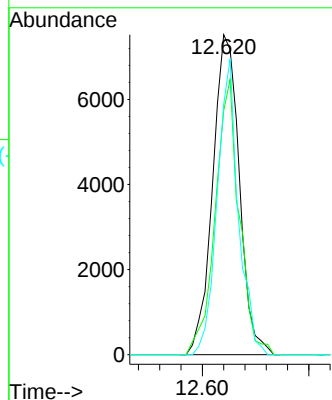
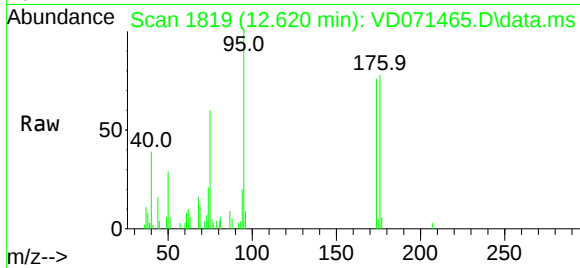




#62
4-Bromofluorobenzene
Concen: 47.583 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

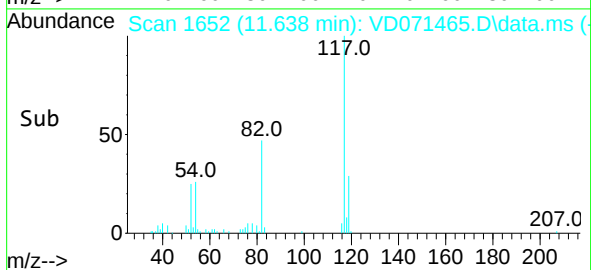
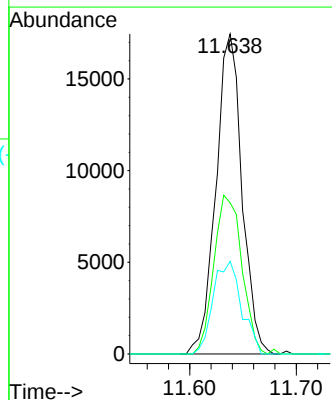
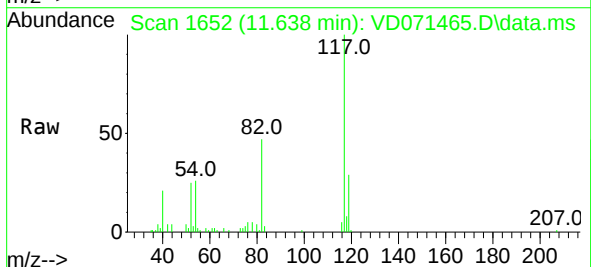
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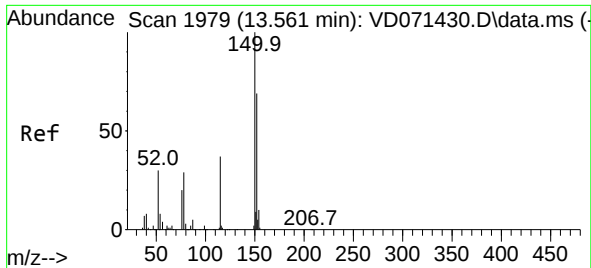
Tgt Ion:	95	Resp:	13064
Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	159.4
176	73.1	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071465.D
Acq: 25 Dec 2021 18:36

Tgt Ion:	117	Resp:	29610
Ion	Ratio	Lower	Upper
117	100		
82	47.3	44.7	67.1
119	28.9	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD071465.D

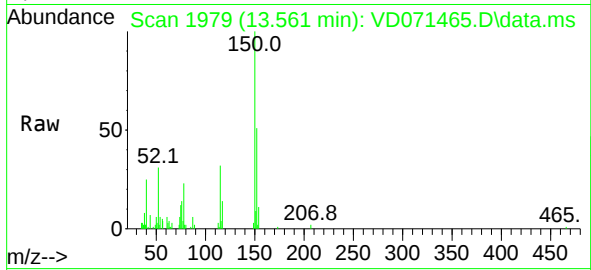
Acq: 25 Dec 2021 18:36

Instrument :

MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021



Tgt Ion:152 Resp: 12634

Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.3

150 167.0 0.0 349.2

