

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122921\
 Data File : VD071519.D
 Acq On : 29 Dec 2021 10:46
 Operator : VA/SY
 Sample : VD1229SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229SBL01

Quant Time: Dec 29 15:24:15 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	313010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	224959	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198256	47.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.380%
35) Dibromofluoromethane	7.914	113	170947	47.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.820%
50) Toluene-d8	10.332	98	620661	45.547	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.626	95	212715	43.929	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.860%

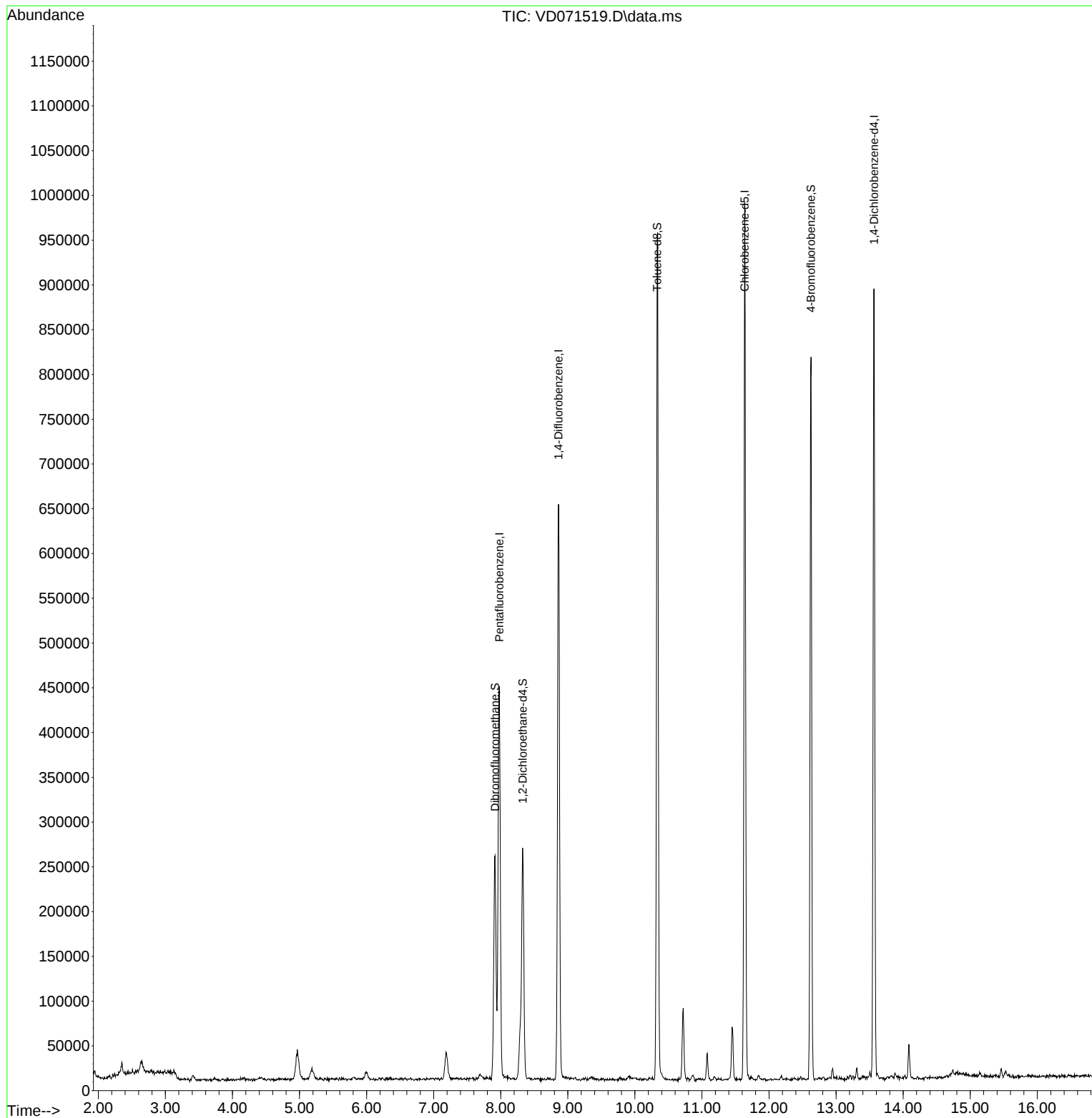
Target Compounds	Qvalue

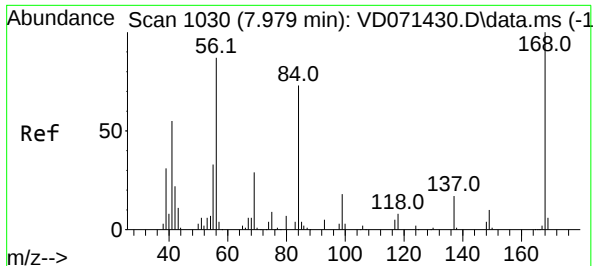
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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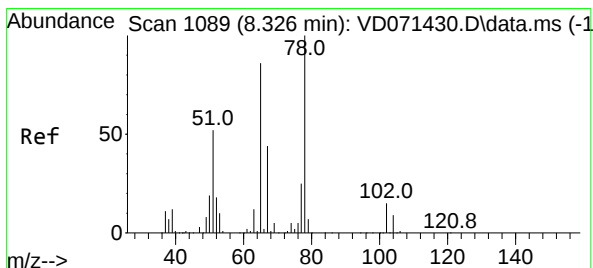
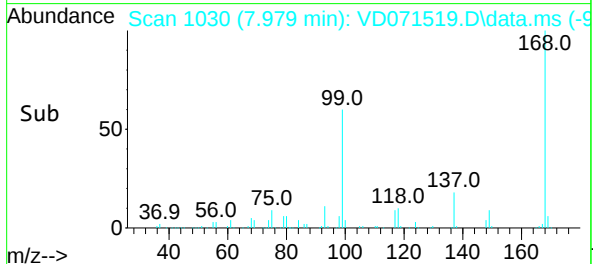
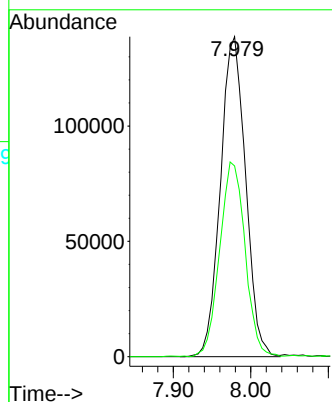
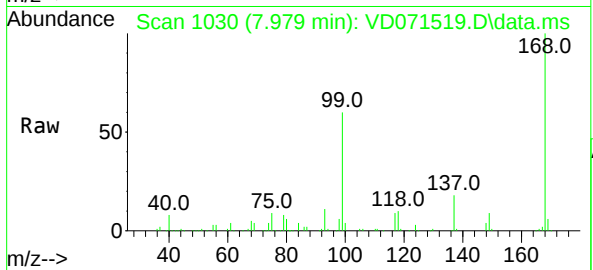




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071519.D
Acq: 29 Dec 2021 10:46

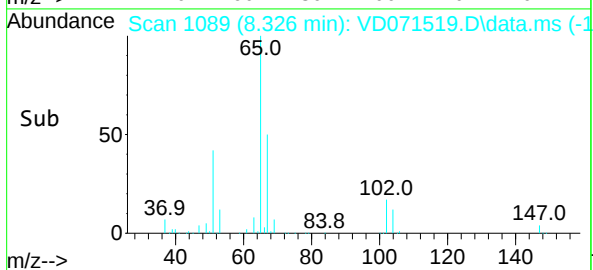
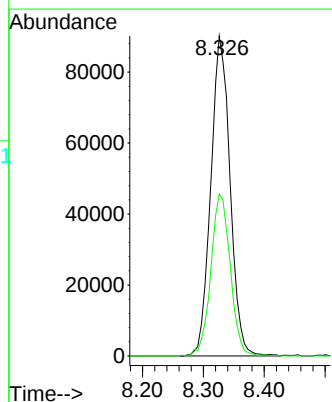
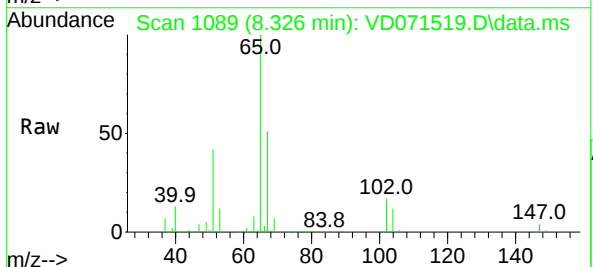
Instrument :
MSVOA_D
ClientSampleId :
VD1229SBL01

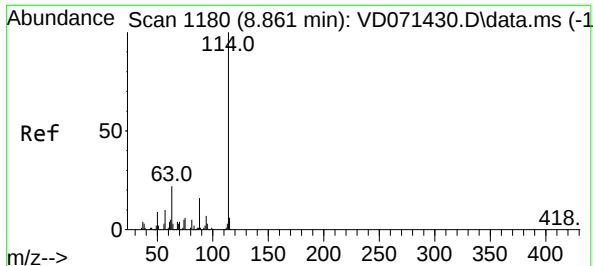
Tgt Ion:168 Resp: 313010
Ion Ratio Lower Upper
168 100
99 59.5 46.6 69.8



#33
1,2-Dichloroethane-d4
Concen: 47.692 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071519.D
Acq: 29 Dec 2021 10:46

Tgt Ion: 65 Resp: 198256
Ion Ratio Lower Upper
65 100
67 51.0 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: VD071519.D

Acq: 29 Dec 2021 10:46

Instrument :

MSVOA_D

ClientSampleId :

VD1229SBL01

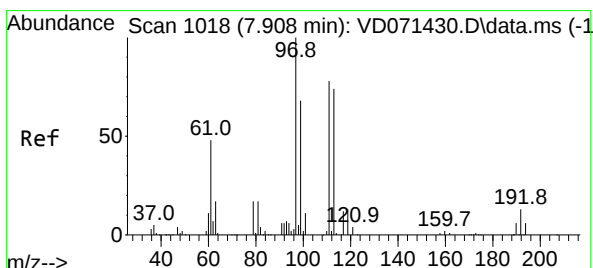
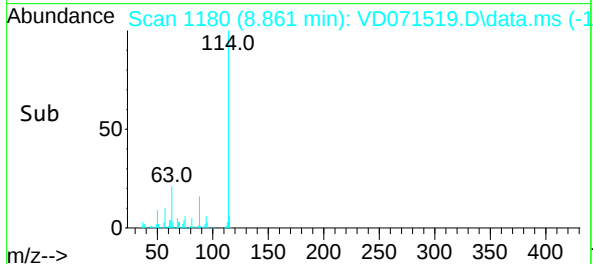
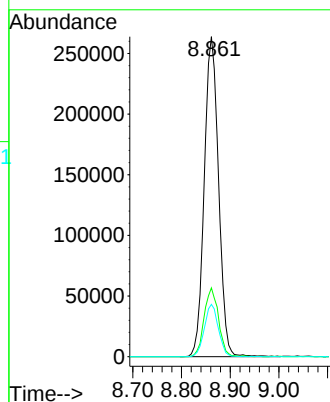
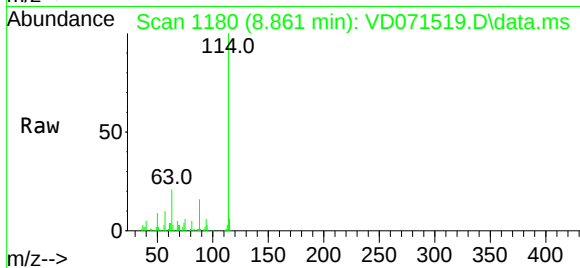
Tgt Ion:114 Resp: 536531

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.408 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071519.D

Acq: 29 Dec 2021 10:46

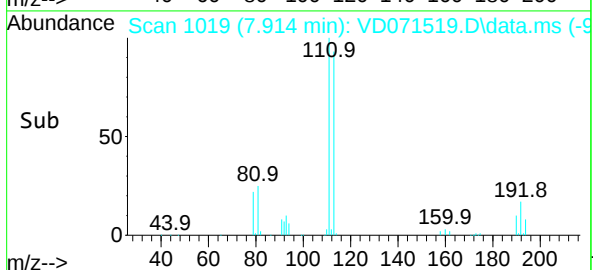
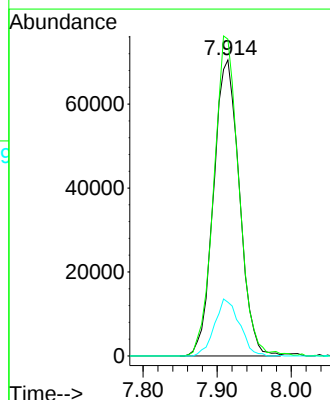
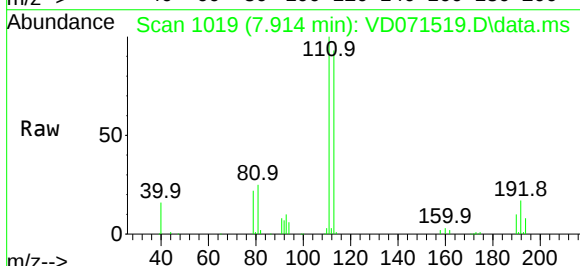
Tgt Ion:113 Resp: 170947

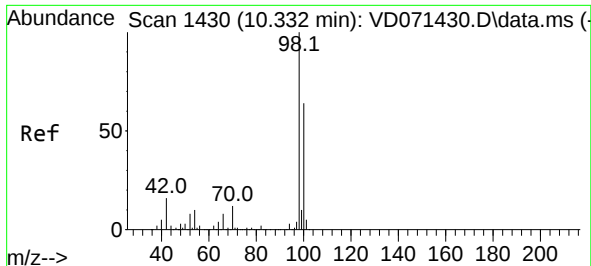
Ion Ratio Lower Upper

113 100

111 105.2 82.0 123.0

192 18.5 15.2 22.8

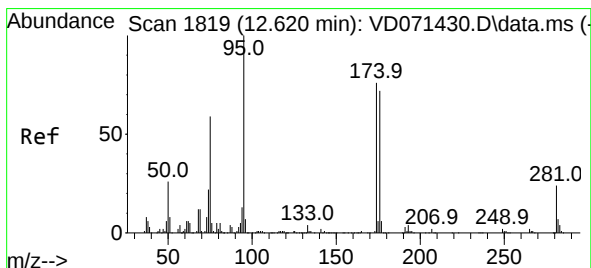
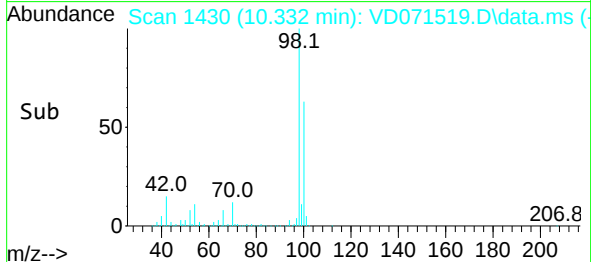
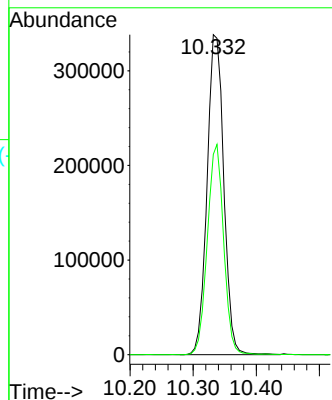
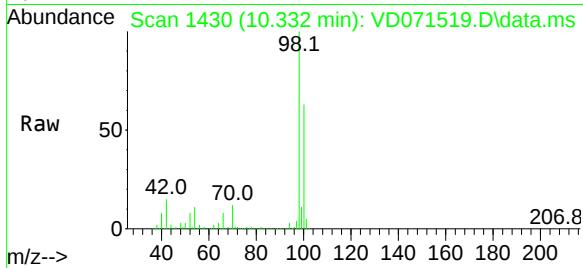




#50
Toluene-d8
Concen: 45.547 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071519.D
Acq: 29 Dec 2021 10:46

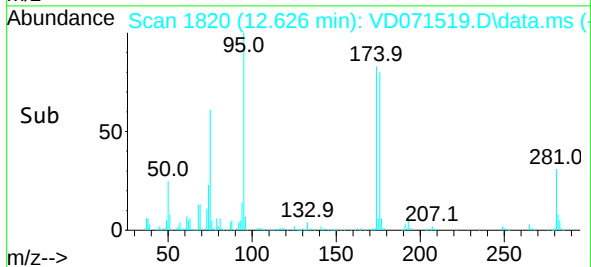
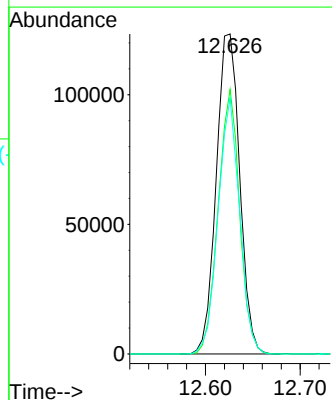
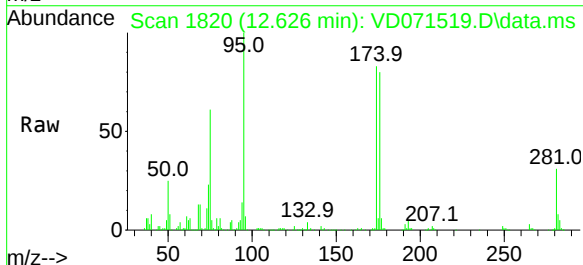
Instrument :
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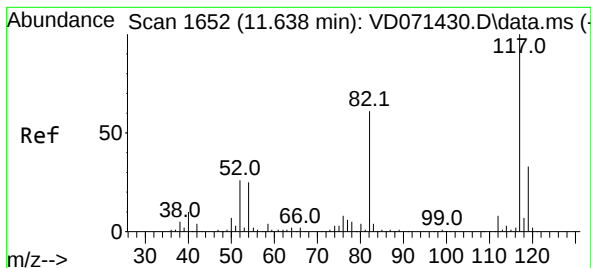
Tgt Ion: 98 Resp: 620661
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 43.929 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071519.D
Acq: 29 Dec 2021 10:46

Tgt Ion: 95 Resp: 212715
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 73.3 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071519.D

Acq: 29 Dec 2021 10:46

Instrument :

MSVOA_D

ClientSampleId :

VD1229SBL01

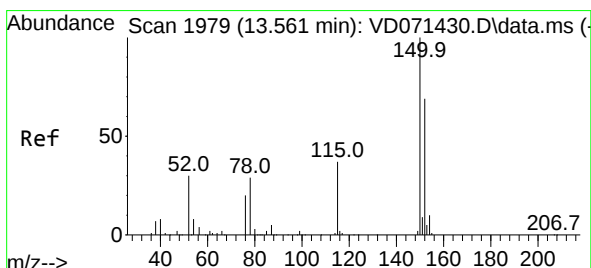
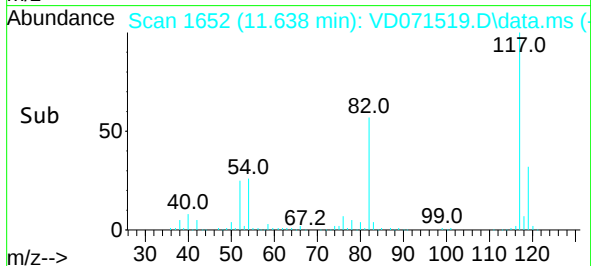
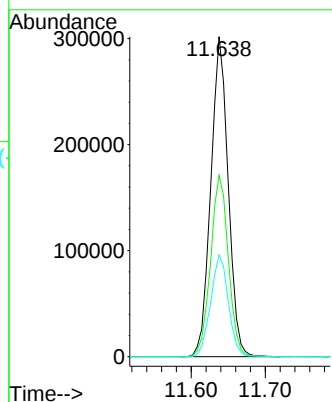
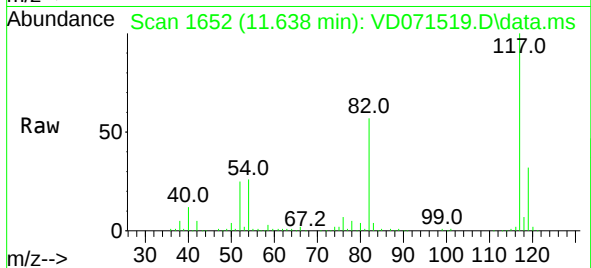
Tgt Ion:117 Resp: 491080

Ion Ratio Lower Upper

117 100

82 56.6 44.7 67.1

119 31.7 26.2 39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.006 min

Lab File: VD071519.D

Acq: 29 Dec 2021 10:46

Tgt Ion:152 Resp: 224959

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

150 154.9 0.0 349.2

