

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076289.D
 Acq On : 31 May 2023 16:39
 Operator : KP/SY
 Sample : 02971-05
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB12

Quant Time: May 31 17:22:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	128204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	281622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	292660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	130621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97303	78.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.060%
35) Dibromofluoromethane	7.805	113	129868	66.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	133.420%
50) Toluene-d8	10.269	98	320717	42.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.520%
62) 4-Bromofluorobenzene	12.575	95	127664	60.563	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	121.120%

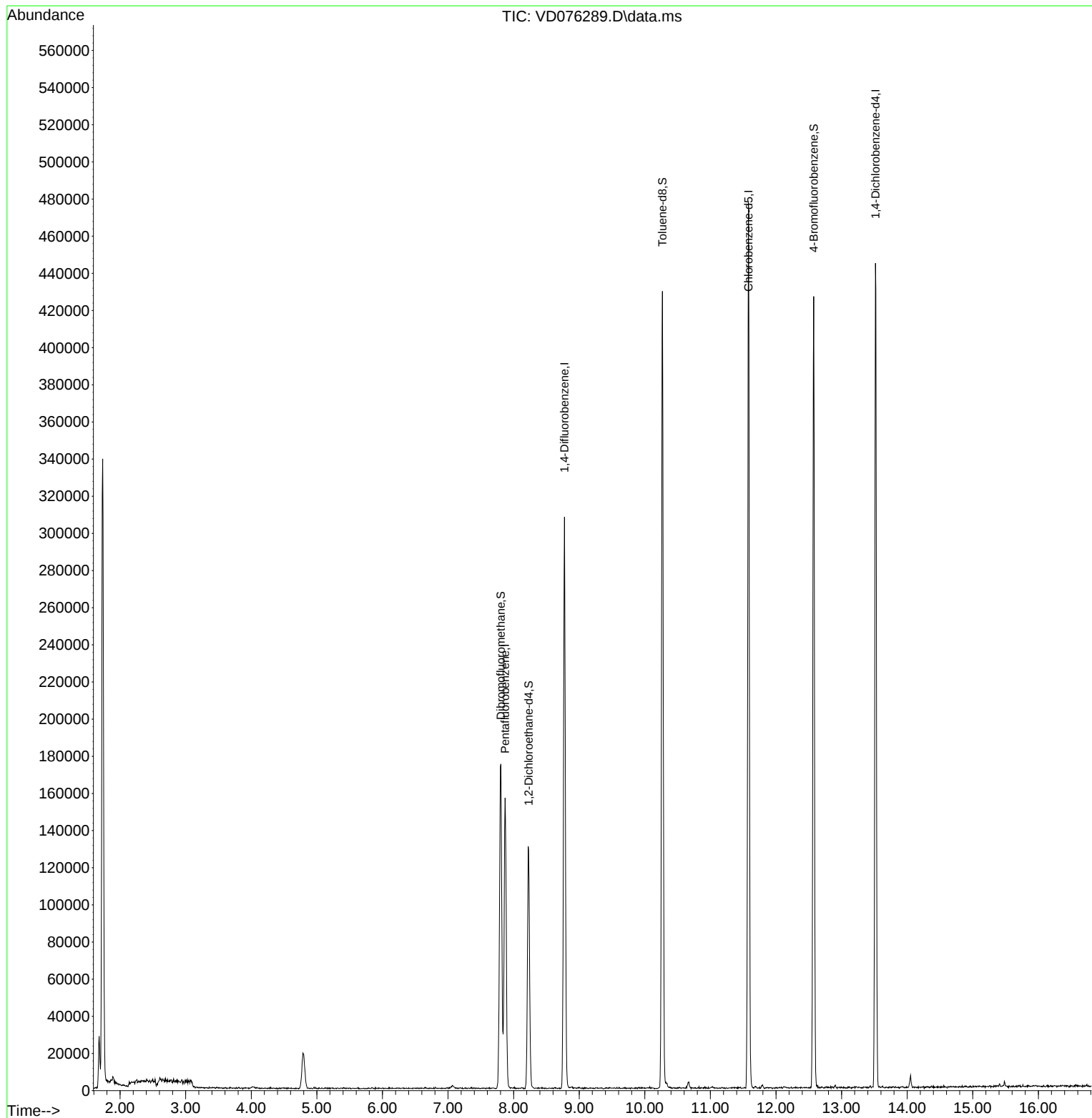
Target Compounds	Qvalue

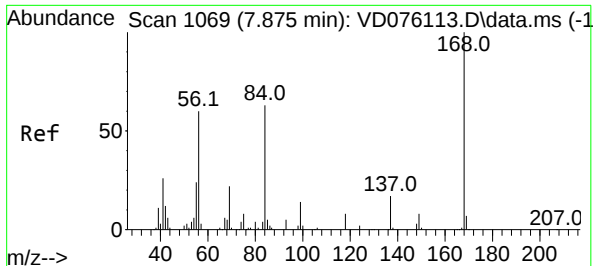
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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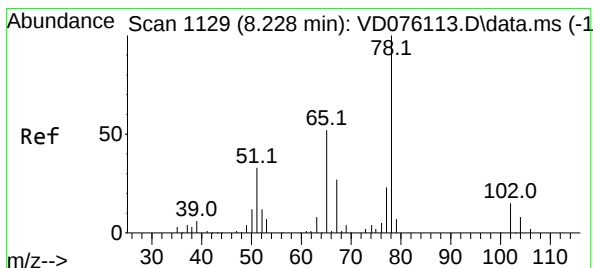
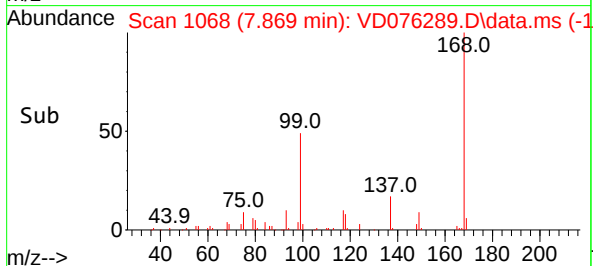
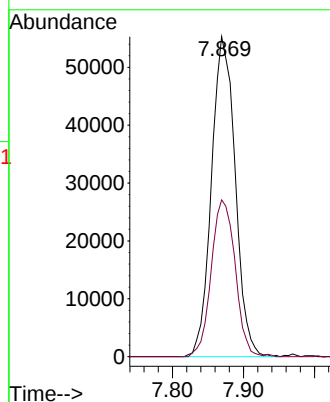
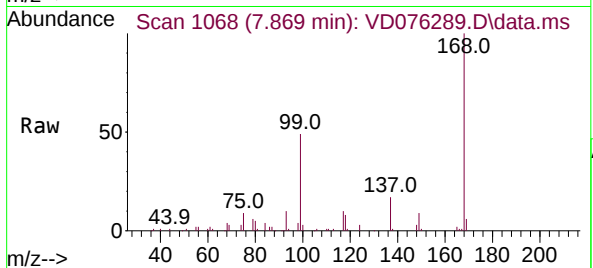




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

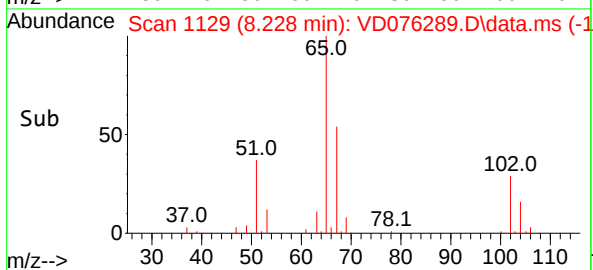
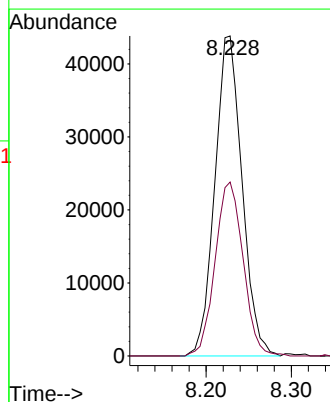
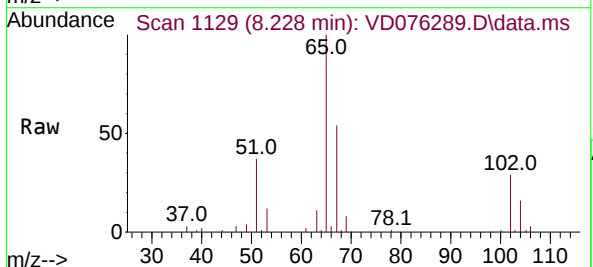
Instrument :
MSVOA_D
ClientSampleId :
SB12

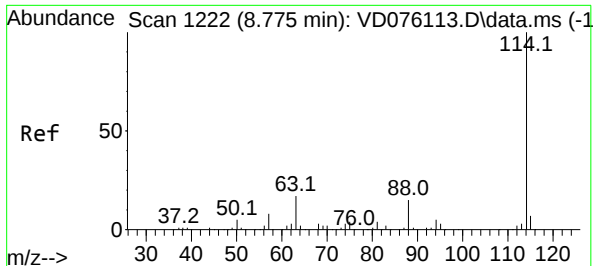
Tgt Ion:168 Resp: 128204
Ion Ratio Lower Upper
168 100
99 49.0 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 78.530 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

Tgt Ion: 65 Resp: 97303
Ion Ratio Lower Upper
65 100
67 55.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076289.D

Acq: 31 May 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

SB12

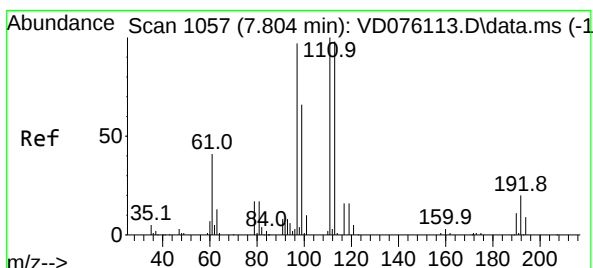
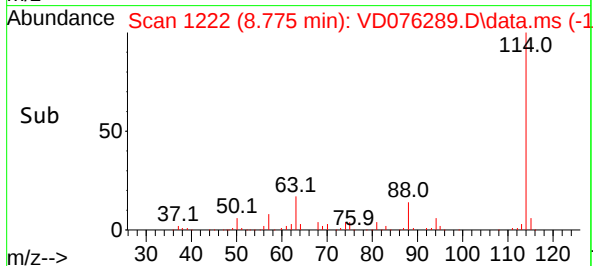
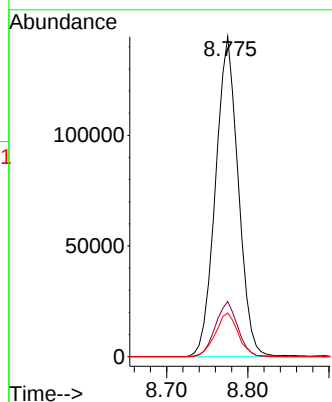
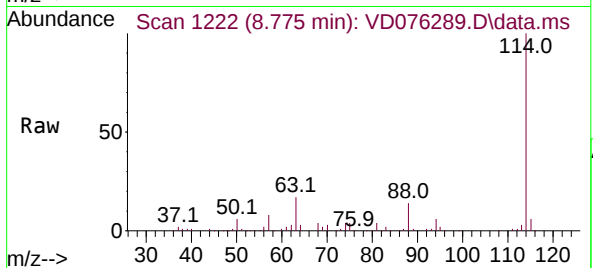
Tgt Ion:114 Resp: 281622

Ion Ratio Lower Upper

114 100

63 17.2 0.0 41.6

88 13.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 66.715 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076289.D

Acq: 31 May 2023 16:39

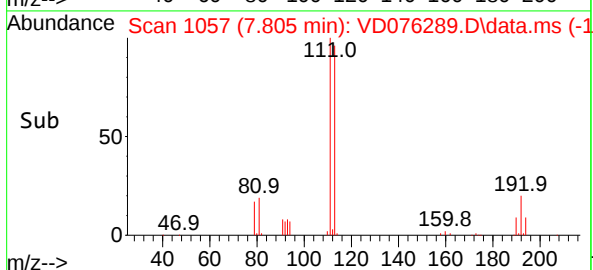
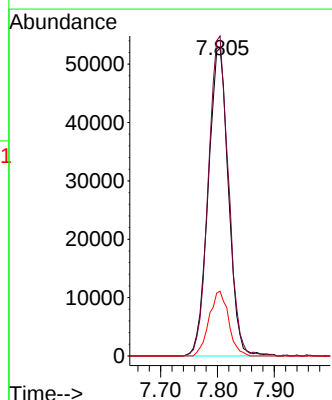
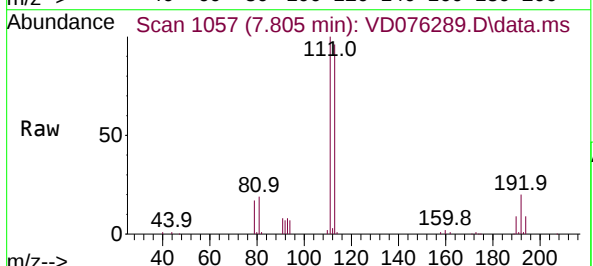
Tgt Ion:113 Resp: 129868

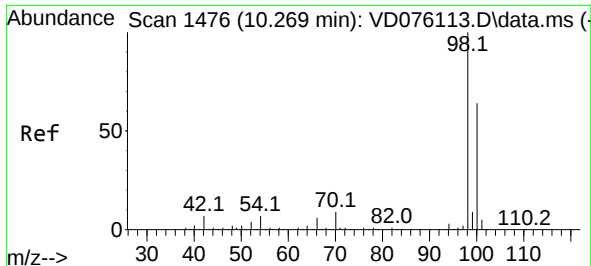
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 20.3 15.2 22.8

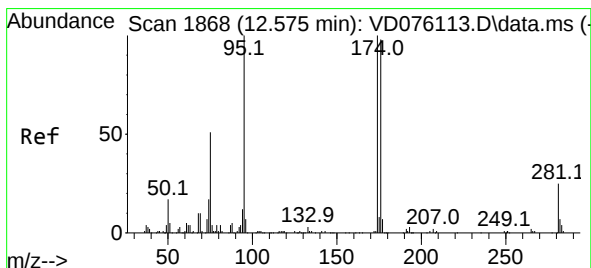
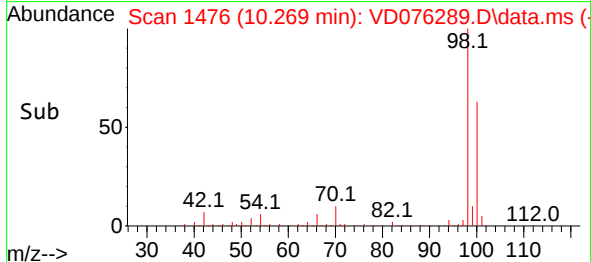
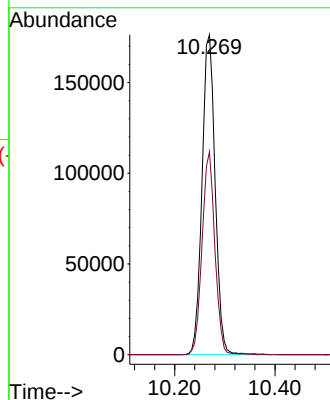
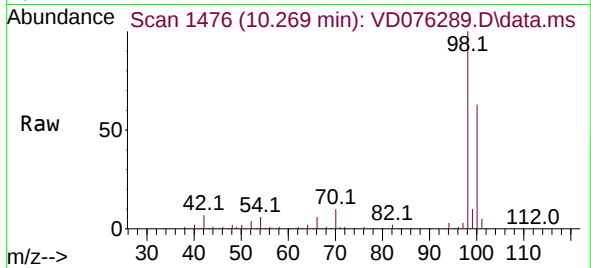




#50
Toluene-d8
Concen: 42.264 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

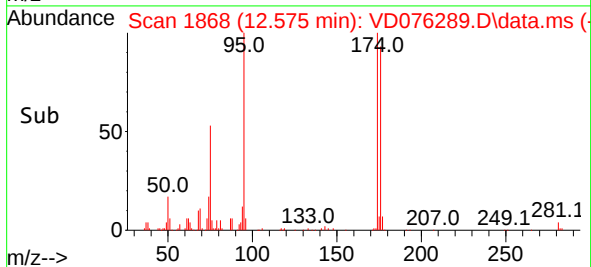
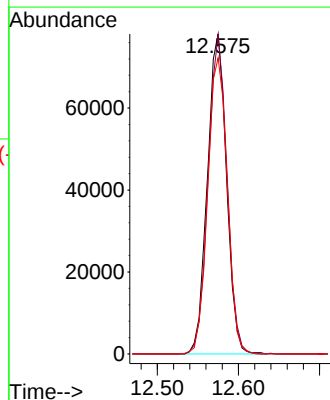
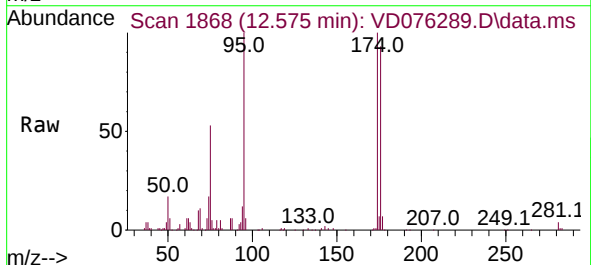
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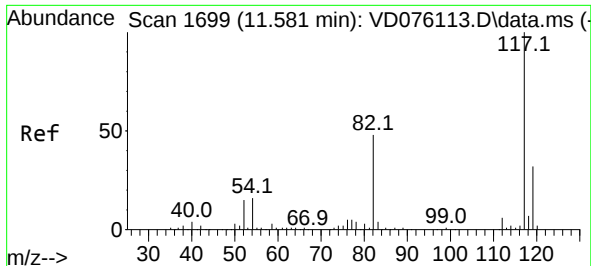
Tgt Ion: 98 Resp: 320717
Ion Ratio Lower Upper
98 100
100 61.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 60.563 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

Tgt Ion: 95 Resp: 127664
Ion Ratio Lower Upper
95 100
174 98.4 0.0 164.0
176 94.6 0.0 156.8

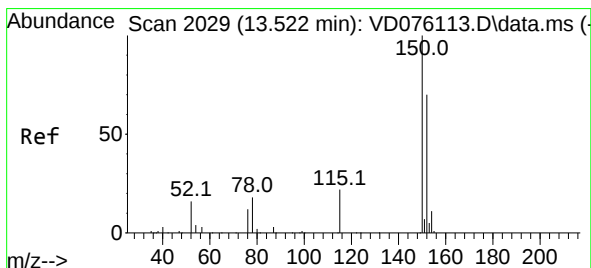
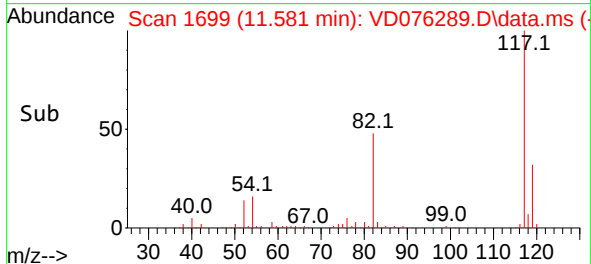
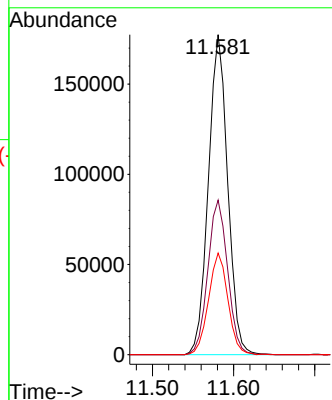
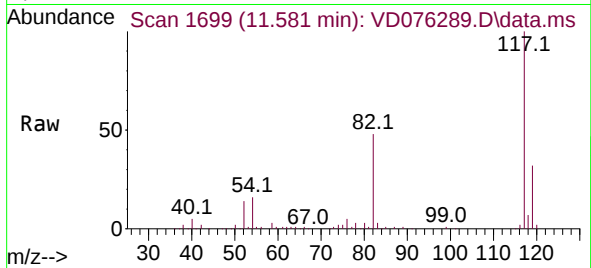




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

Instrument :
MSVOA_D
ClientSampleId :
SB12

Tgt Ion:117 Resp: 292660
Ion Ratio Lower Upper
117 100
82 48.3 44.0 66.0
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076289.D
Acq: 31 May 2023 16:39

Tgt Ion:152 Resp: 130621
Ion Ratio Lower Upper
152 100
115 52.8 30.1 90.3
150 158.3 0.0 364.8

