

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076178.D
 Acq On : 22 May 2023 16:22
 Operator : KP/SY
 Sample : 02849-31RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP10

Quant Time: May 23 01:25:26 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	7.875	168	281459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	597041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	513973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	222853	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	122300	44.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.920%
35) Dibromofluoromethane	7.804	113	165956	40.214	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.420%
50) Toluene-d8	10.269	98	476223	29.602	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	59.200%
62) 4-Bromofluorobenzene	12.575	95	147672	33.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.080%

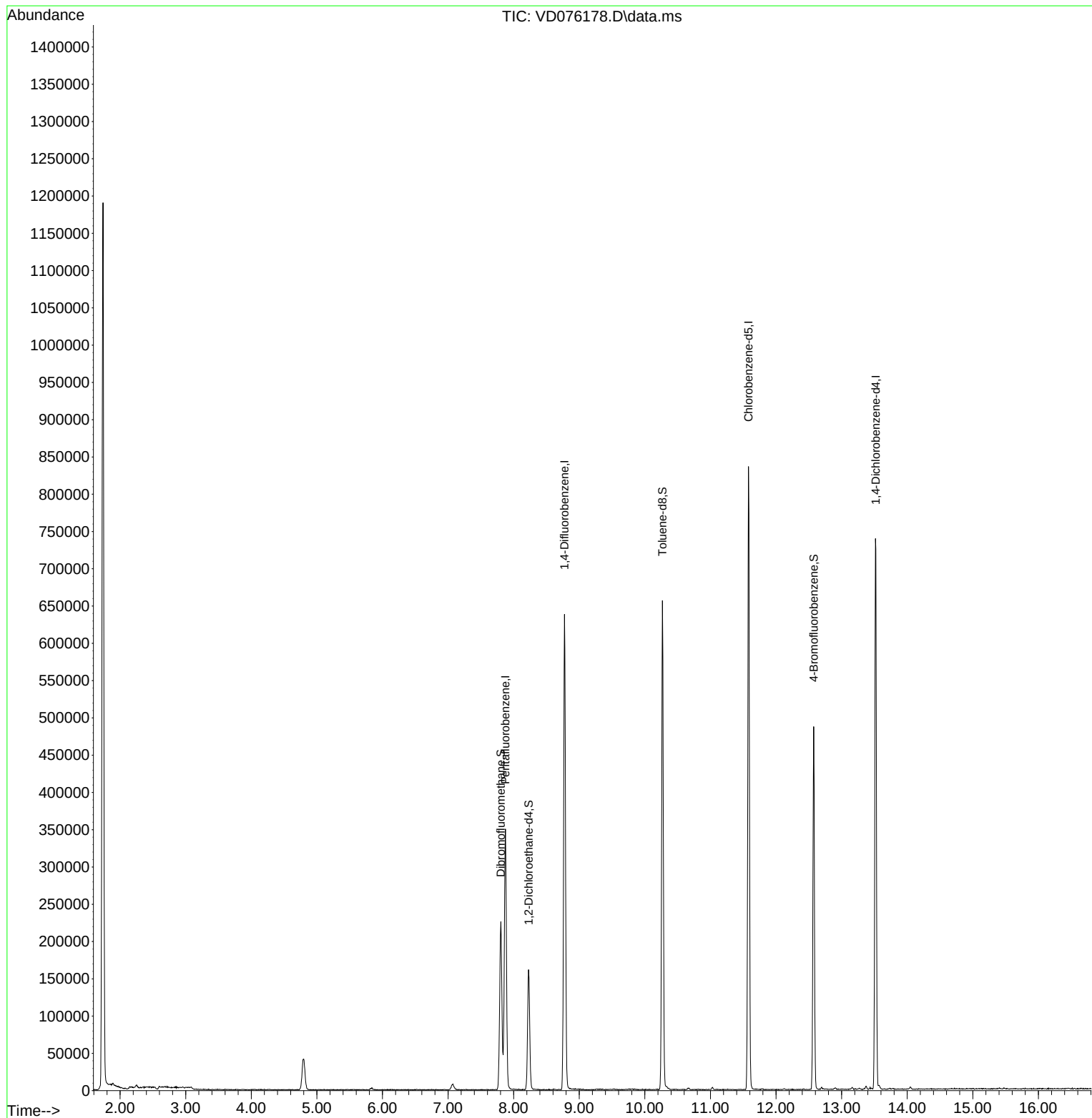
Target Compounds	Qvalue

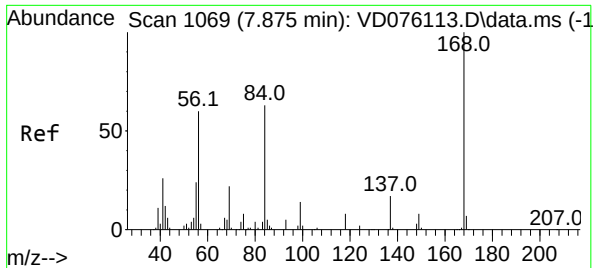
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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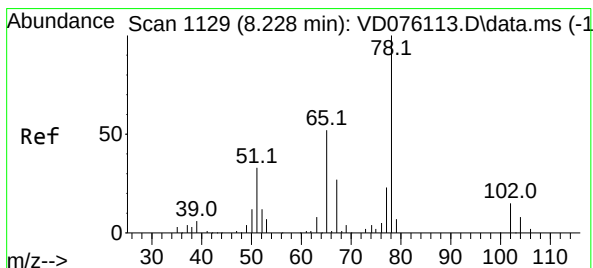
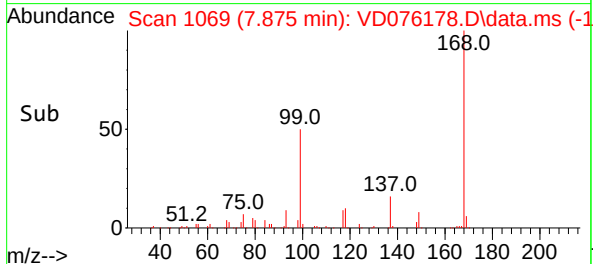
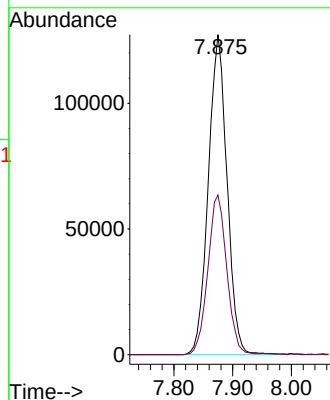
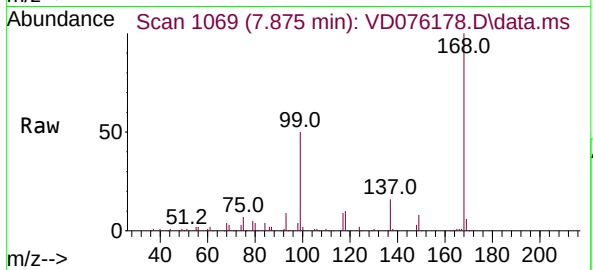




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

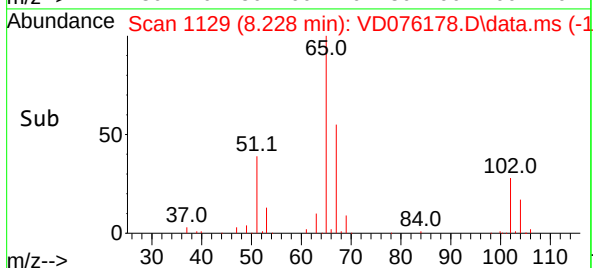
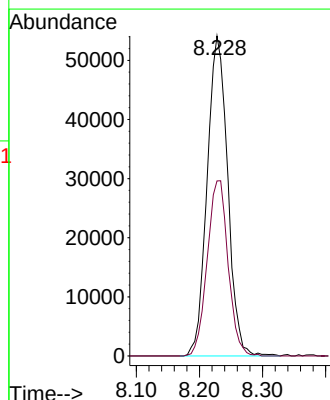
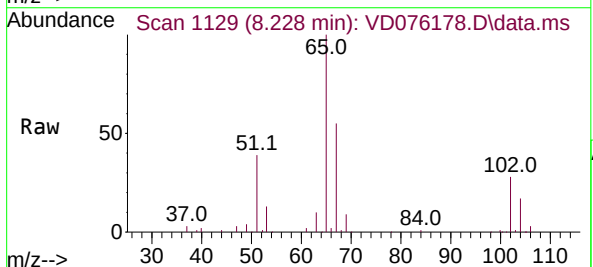
Instrument :
MSVOA_D
ClientSampleId :
TP10

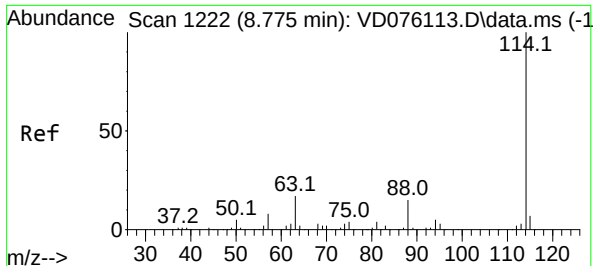
Tgt Ion:168 Resp: 281459
Ion Ratio Lower Upper
168 100
99 49.8 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 44.959 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

Tgt Ion: 65 Resp: 122300
Ion Ratio Lower Upper
65 100
67 55.7 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: VD076178.D

Acq: 22 May 2023 16:22

Instrument :

MSVOA_D

ClientSampleId :

TP10

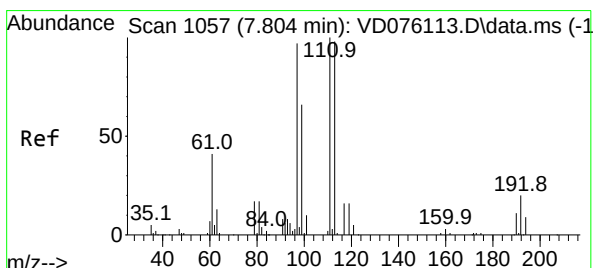
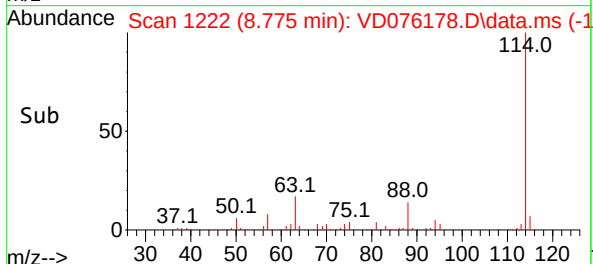
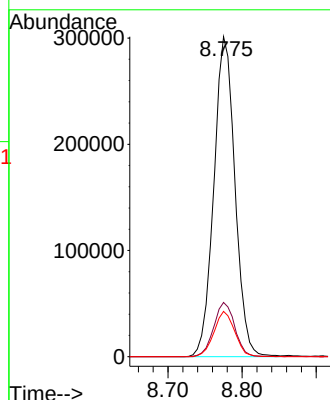
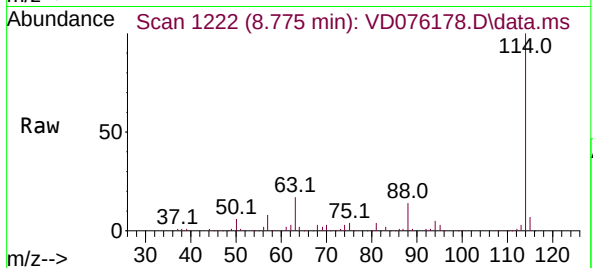
Tgt Ion:114 Resp: 597041

Ion Ratio Lower Upper

114 100

63 17.0 0.0 41.6

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.214 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076178.D

Acq: 22 May 2023 16:22

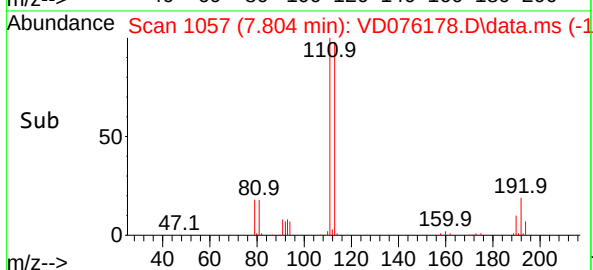
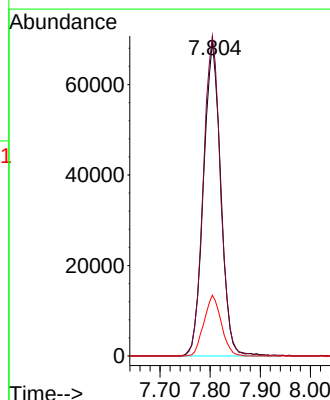
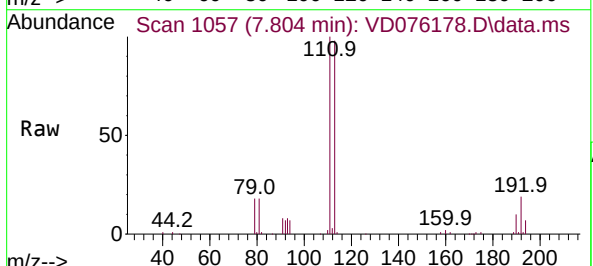
Tgt Ion:113 Resp: 165956

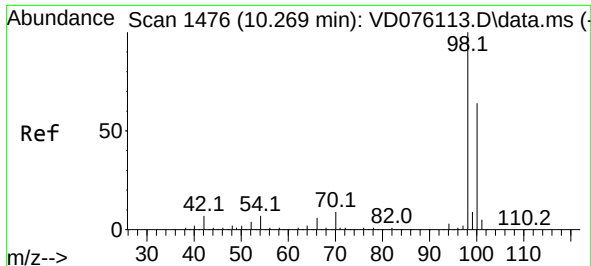
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 19.4 15.2 22.8

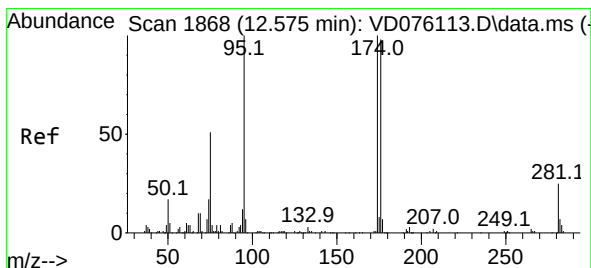
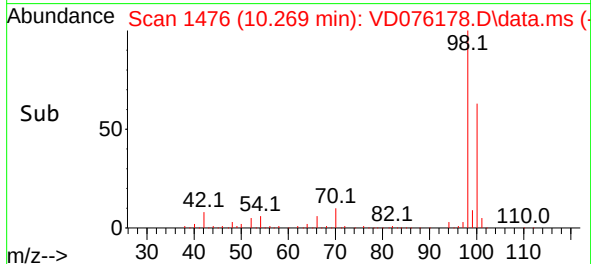
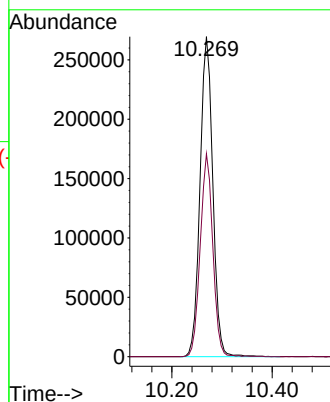
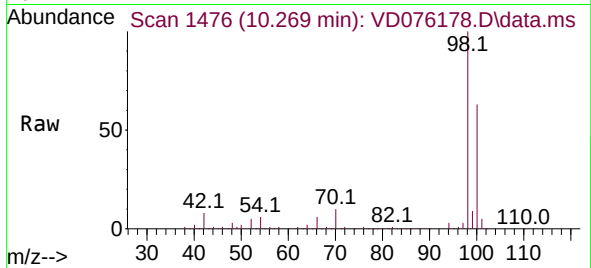




#50
Toluene-d8
Concen: 29.602 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

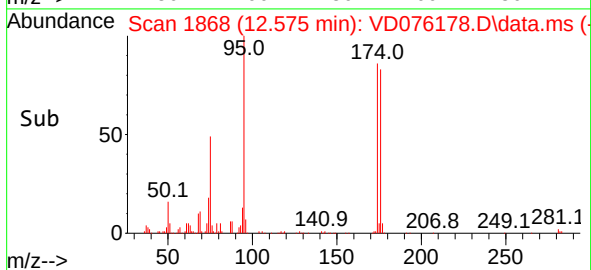
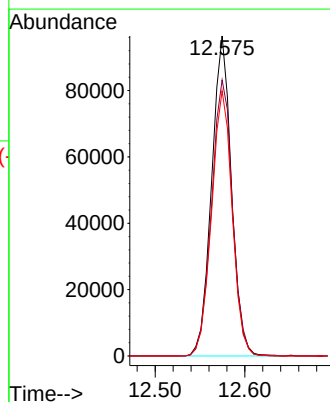
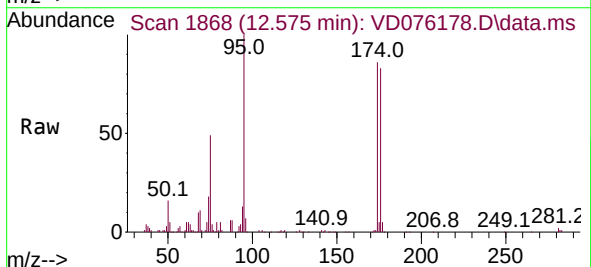
Instrument :
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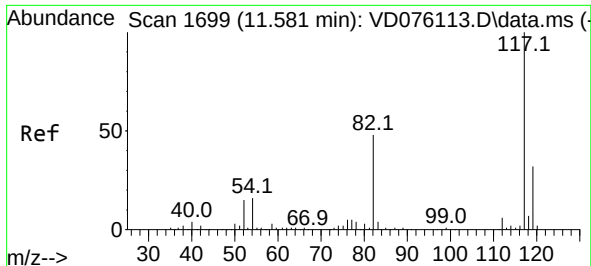
Tgt Ion: 98 Resp: 476223
Ion Ratio Lower Upper
98 100
100 62.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 33.044 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

Tgt Ion: 95 Resp: 147672
Ion Ratio Lower Upper
95 100
174 91.3 0.0 164.0
176 86.0 0.0 156.8

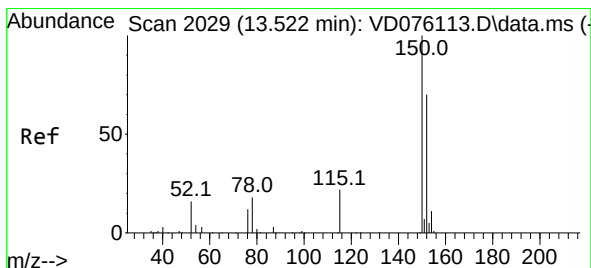
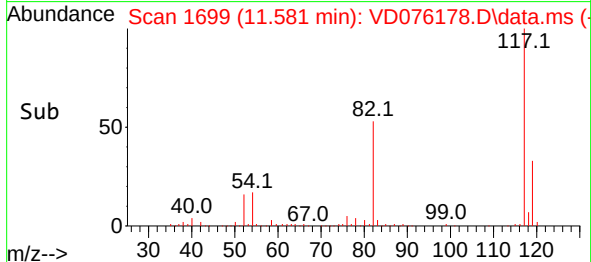
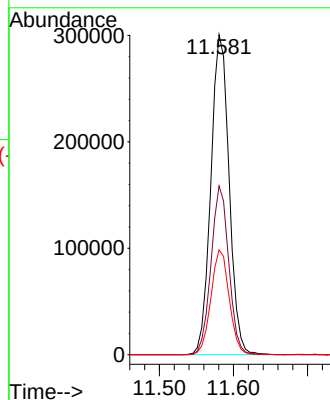
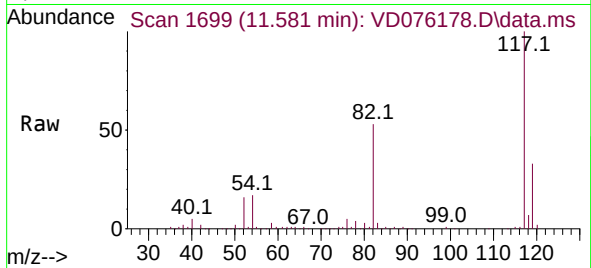




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

Instrument :
MSVOA_D
ClientSampleId :
TP10

Tgt Ion:117 Resp: 513973
Ion Ratio Lower Upper
117 100
82 52.7 44.0 66.0
119 32.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076178.D
Acq: 22 May 2023 16:22

Tgt Ion:152 Resp: 222853
Ion Ratio Lower Upper
152 100
115 52.6 30.1 90.3
150 157.4 0.0 364.8

