

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076159.D
 Acq On : 19 May 2023 16:11
 Operator : KP/SY
 Sample : 02845-01
 Misc : 4.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

Quant Time: May 22 01:30:08 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	7.863	168	8618	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	16734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	19454	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	6942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	10066	120.854	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	241.700%#
35) Dibromofluoromethane	7.804	113	9931	85.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	171.720%#
50) Toluene-d8	10.275	98	19002	42.142	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.280%
62) 4-Bromofluorobenzene	12.569	95	6500	51.894	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.780%

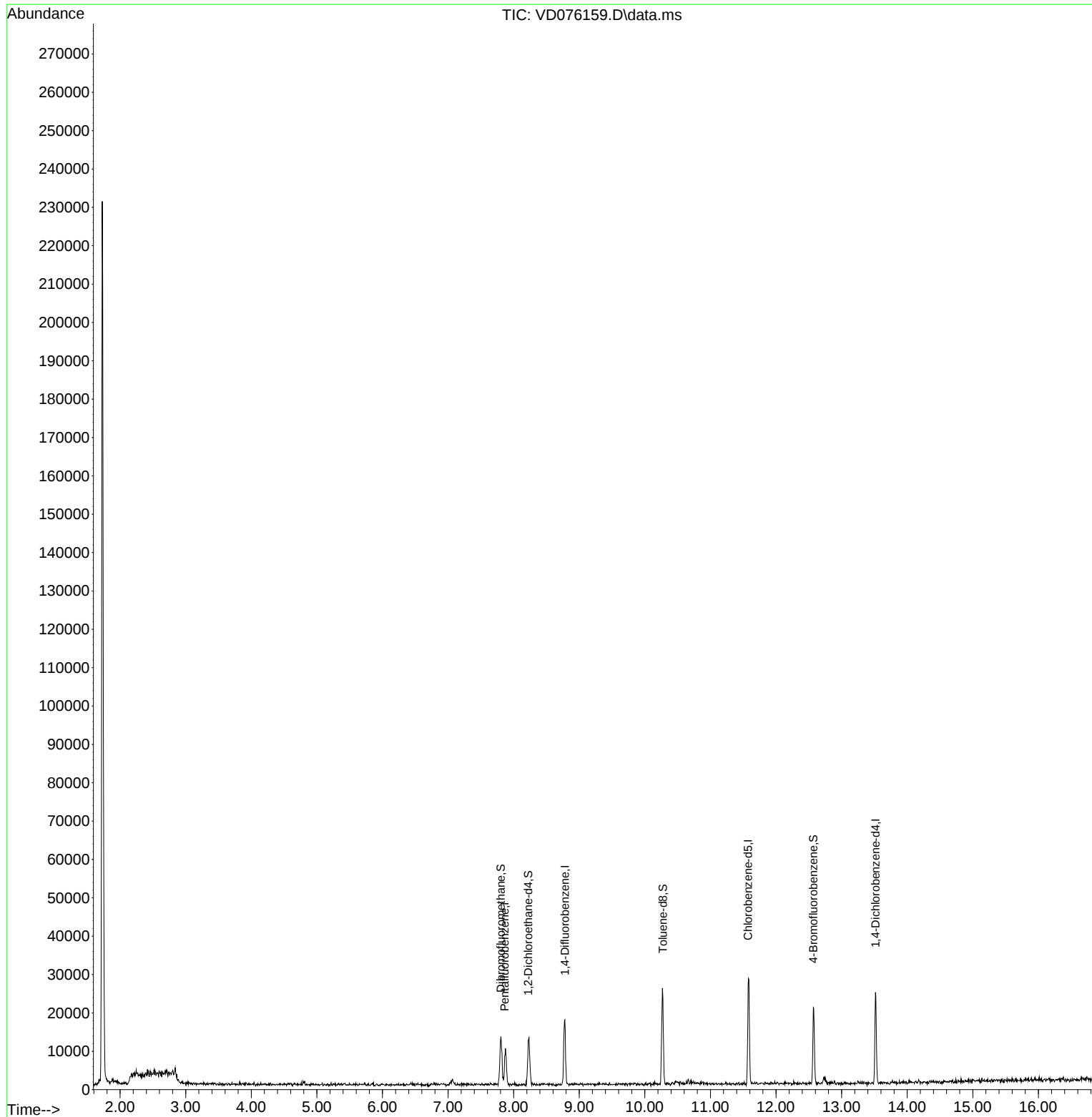
Target Compounds	Qvalue

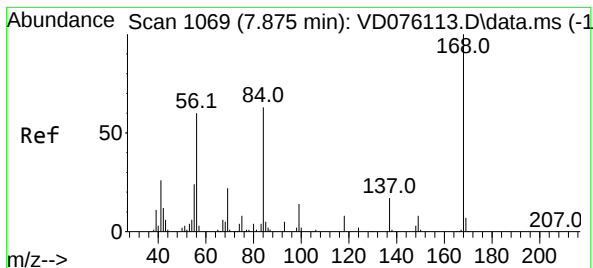
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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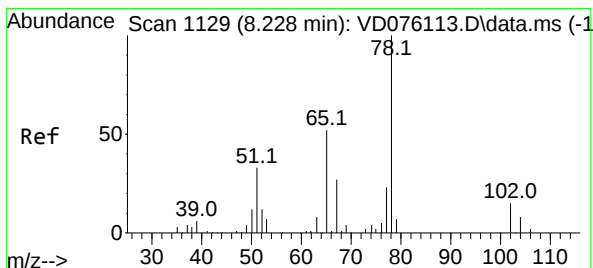
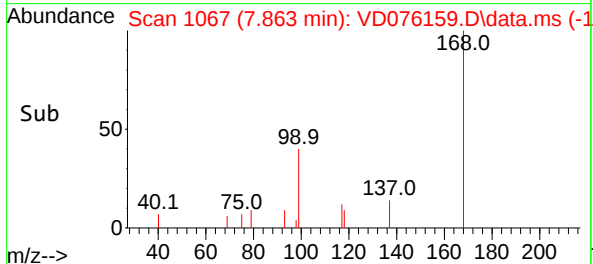
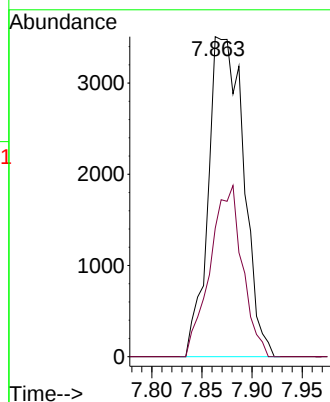
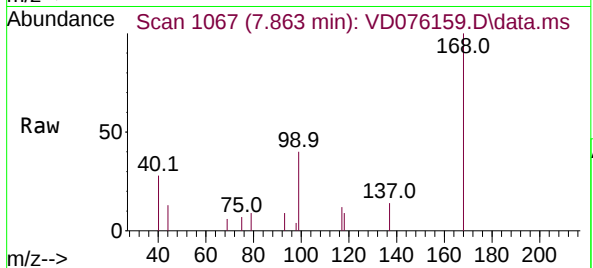




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

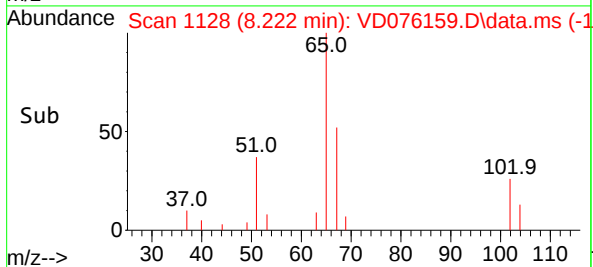
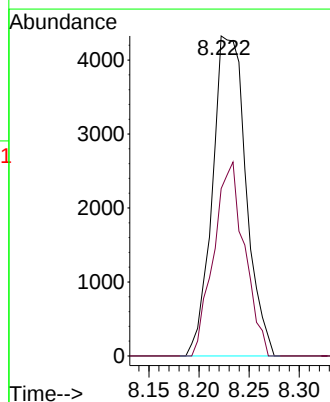
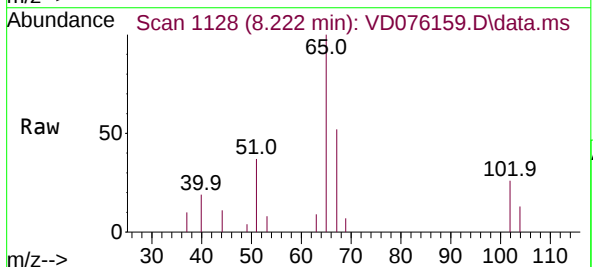
Instrument :
MSVOA_D
ClientSampleId :
TP1

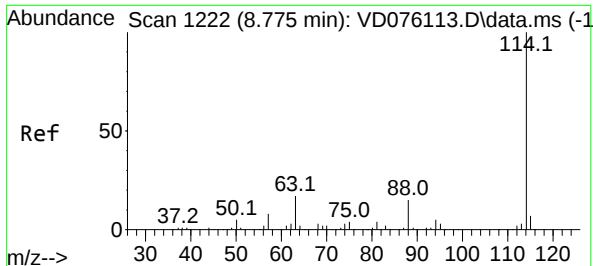
Tgt Ion:168 Resp: 8618
Ion Ratio Lower Upper
168 100
99 40.2 43.8 65.6#



#33
1,2-Dichloroethane-d4
Concen: 120.854 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion: 65 Resp: 10066
Ion Ratio Lower Upper
65 100
67 55.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

TP1

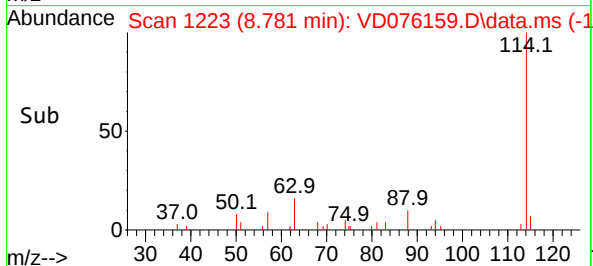
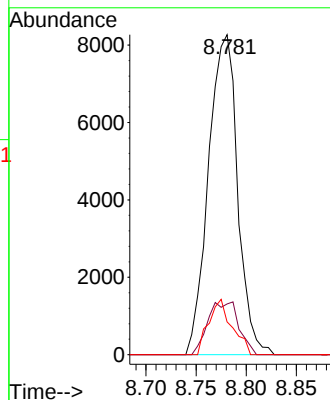
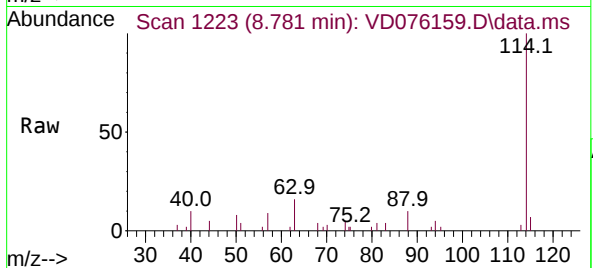
Tgt Ion:114 Resp: 16734

Ion Ratio Lower Upper

114 100

63 15.9 0.0 41.6

88 10.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 85.858 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

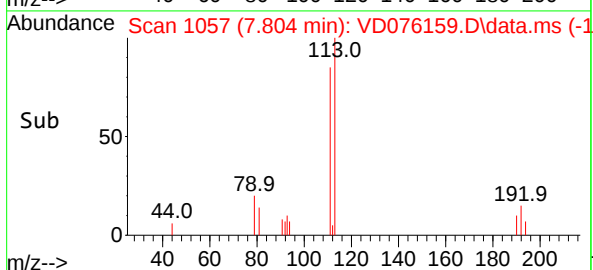
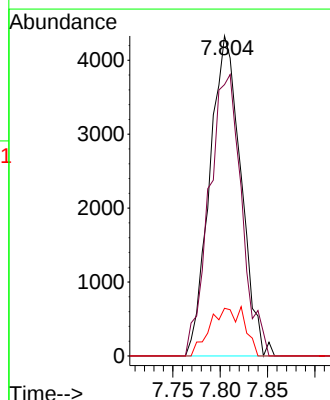
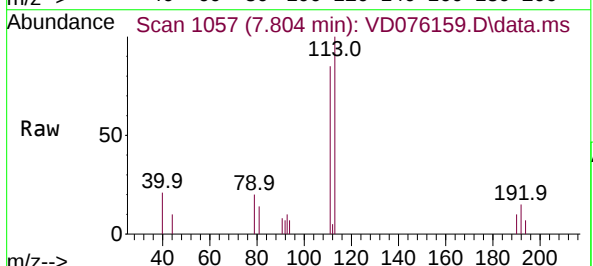
Tgt Ion:113 Resp: 9931

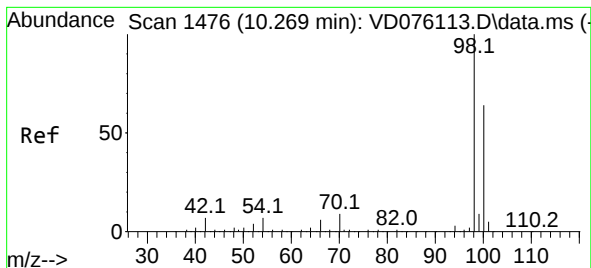
Ion Ratio Lower Upper

113 100

111 91.4 81.4 122.0

192 16.7 15.2 22.8





#50

Toluene-d8

Concen: 42.142 ug/l

RT: 10.275 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

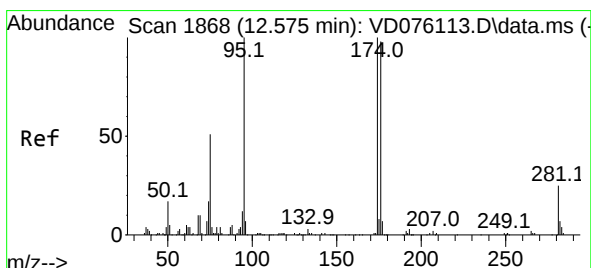
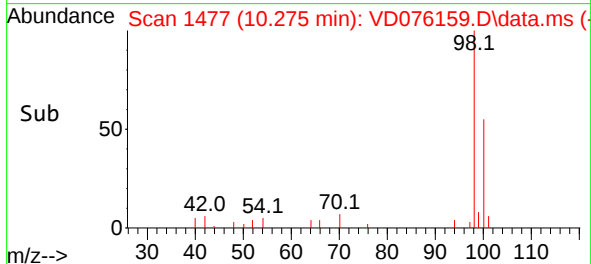
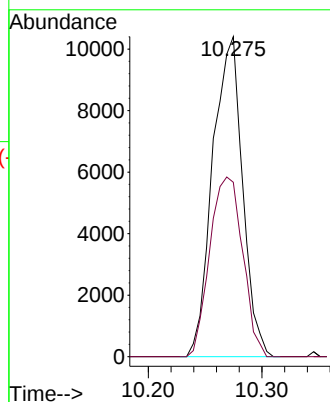
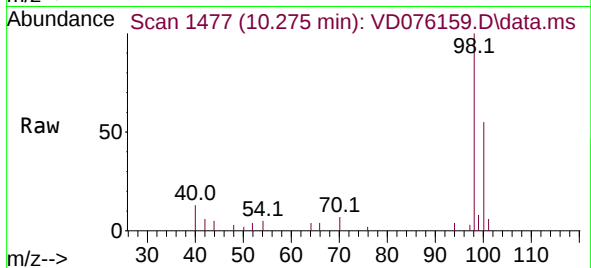
TP1

Tgt Ion: 98 Resp: 19002

Ion Ratio Lower Upper

98 100

100 61.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 51.894 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

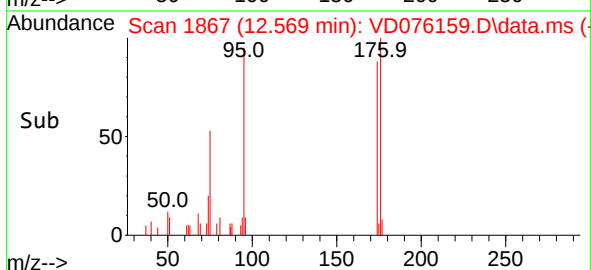
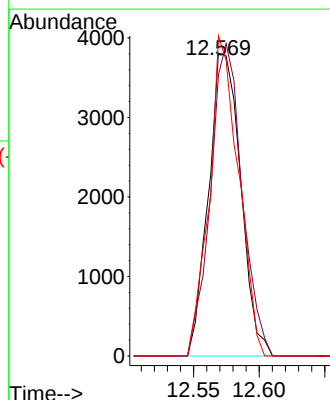
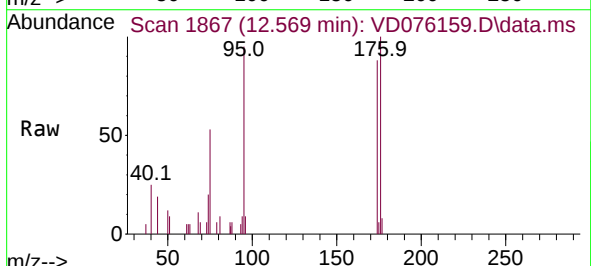
Tgt Ion: 95 Resp: 6500

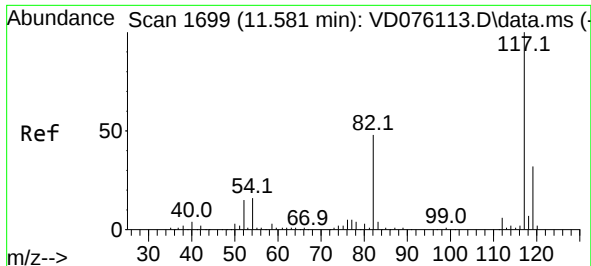
Ion Ratio Lower Upper

95 100

174 101.0 0.0 164.0

176 96.5 0.0 156.8

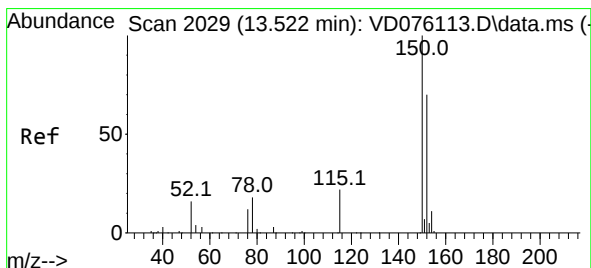
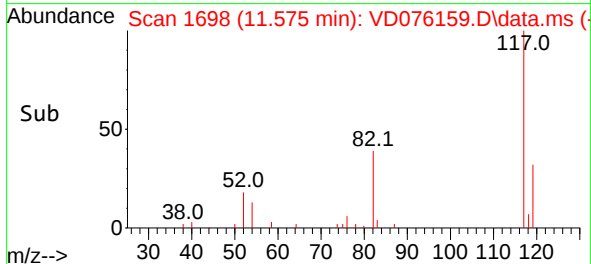
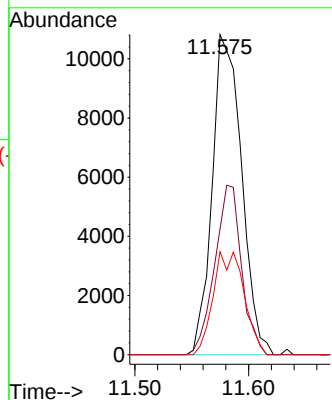
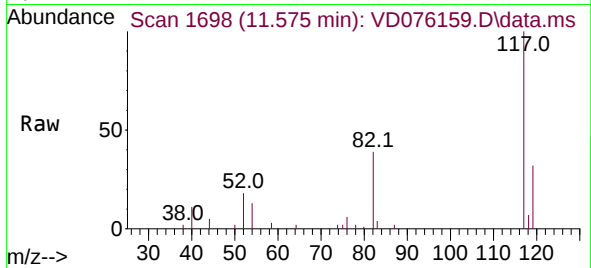




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion:117 Resp: 19454
Ion Ratio Lower Upper
117 100
82 39.3 44.0 66.0#
119 32.2 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: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion:152 Resp: 6942
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.3
150 162.6 0.0 364.8

