

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076179.D
 Acq On : 22 May 2023 16:52
 Operator : KP/SY
 Sample : 02798-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WATERWITCH-AVE-SAMPLE

Quant Time: May 23 01:25:34 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)

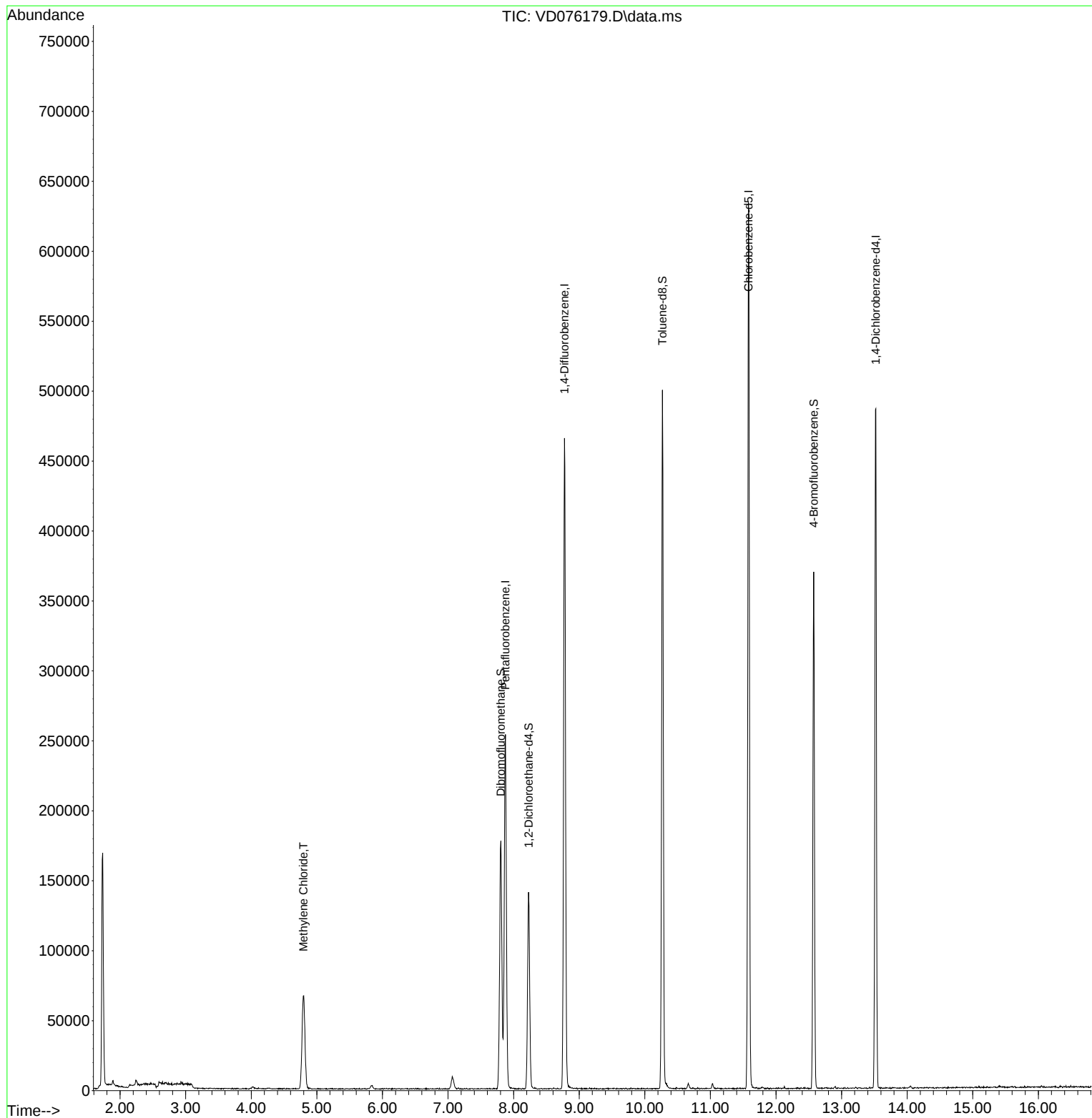
Internal Standards						
1) Pentafluorobenzene	7.875	168	200238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	443377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	389346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106047	54.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.600%
35) Dibromofluoromethane	7.805	113	130908	42.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.420%
50) Toluene-d8	10.269	98	358934	30.044	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	60.080%
62) 4-Bromofluorobenzene	12.575	95	114550	34.516	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.040%
Target Compounds						
20) Methylene Chloride	4.793	84	58858	12.329	ug/l	Qvalue # 77

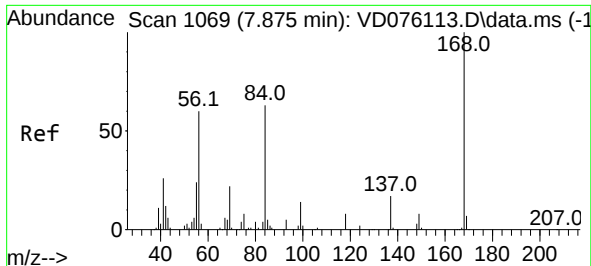
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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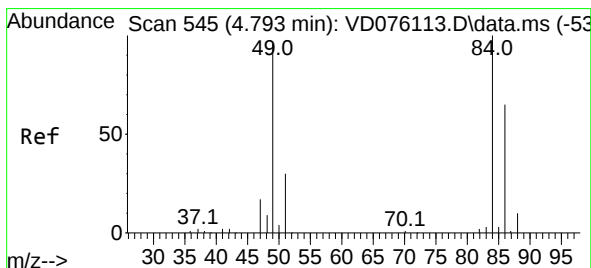
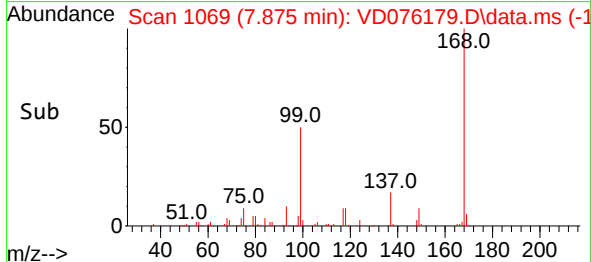
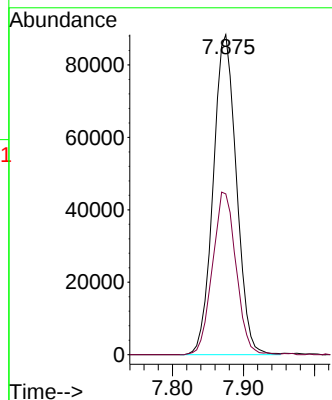
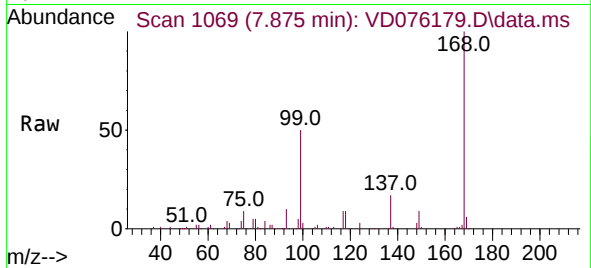




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

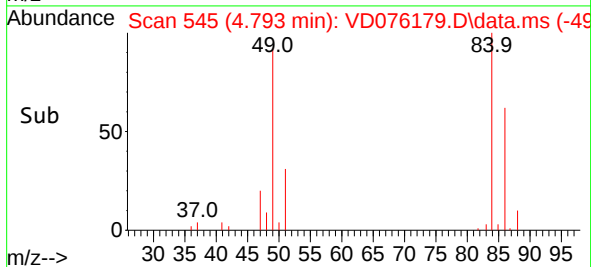
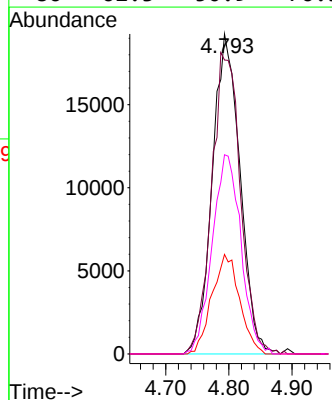
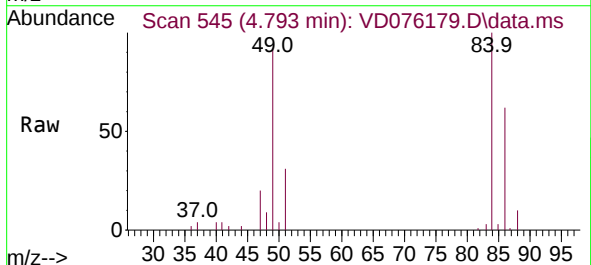
Instrument :
MSVOA_D
ClientSampleId :
WATERWITCH-AVE-SAMPLE

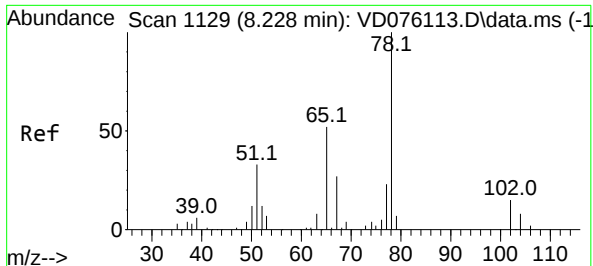
Tgt Ion:168 Resp: 200238
Ion Ratio Lower Upper
168 100
99 50.2 43.8 65.6



#20
Methylene Chloride
Concen: 12.329 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

Tgt Ion: 84 Resp: 58858
Ion Ratio Lower Upper
84 100
49 91.9 106.4 159.6#
51 31.1 32.4 48.6#
86 62.3 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 54.798 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076179.D

Acq: 22 May 2023 16:52

Instrument :

MSVOA_D

ClientSampleId :

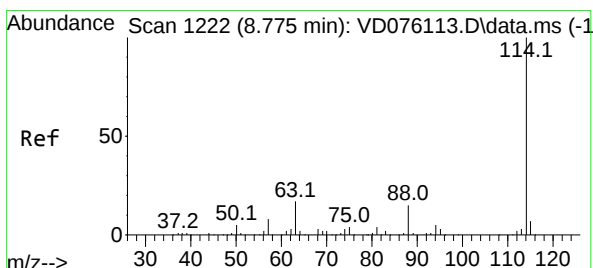
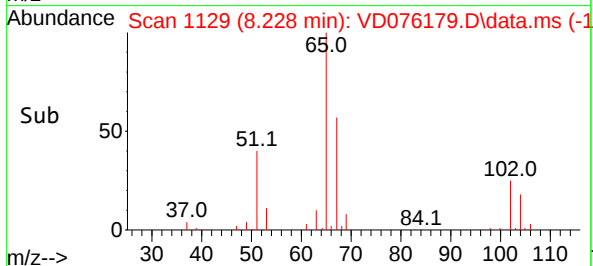
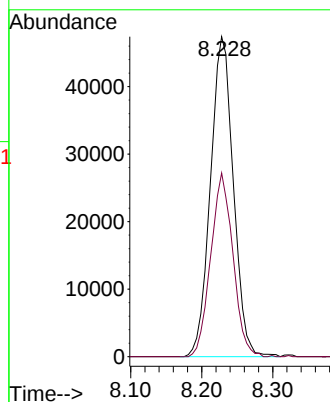
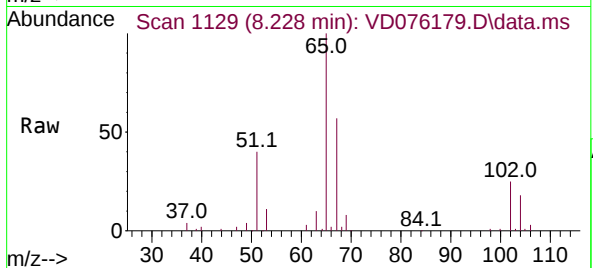
WATERWITCH-AVE-SAMPLE

Tgt Ion: 65 Resp: 106047

Ion Ratio Lower Upper

65 100

67 55.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076179.D

Acq: 22 May 2023 16:52

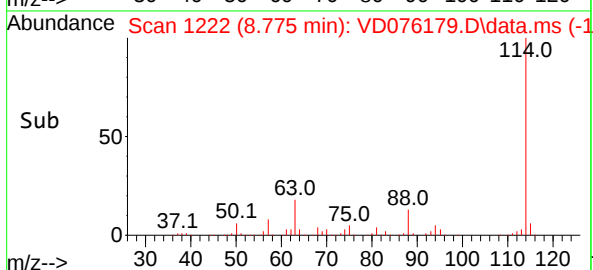
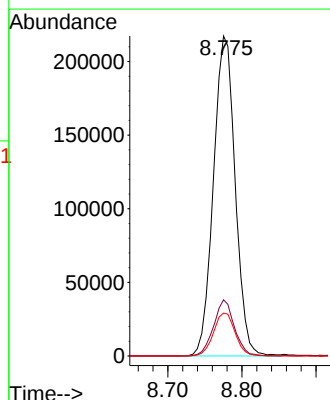
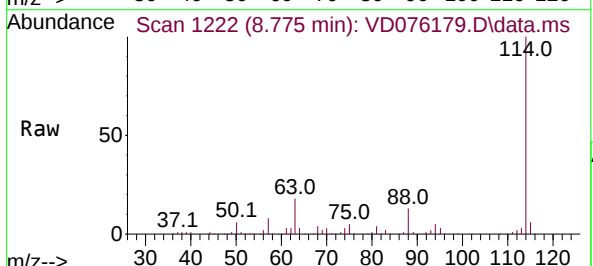
Tgt Ion: 114 Resp: 443377

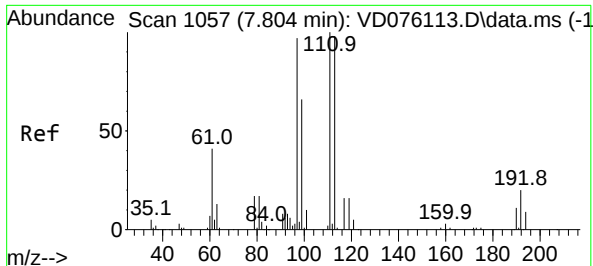
Ion Ratio Lower Upper

114 100

63 17.6 0.0 41.6

88 13.4 0.0 30.6

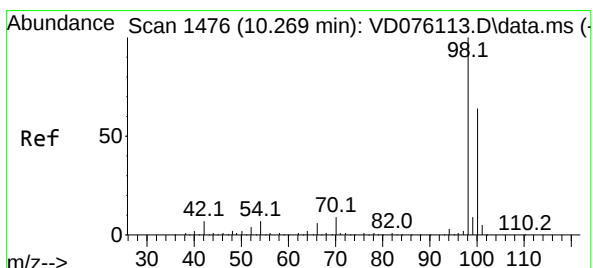
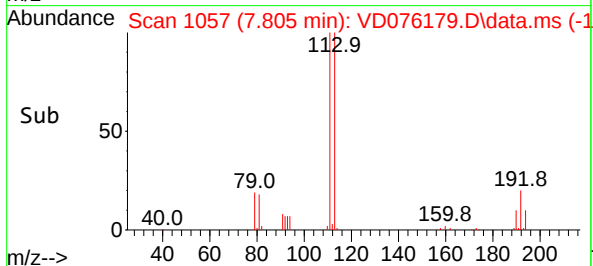
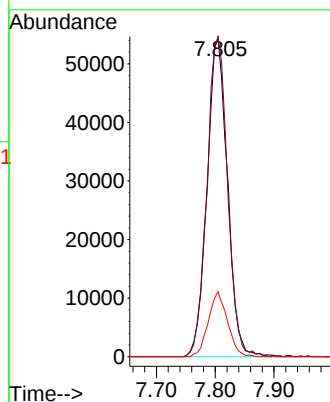
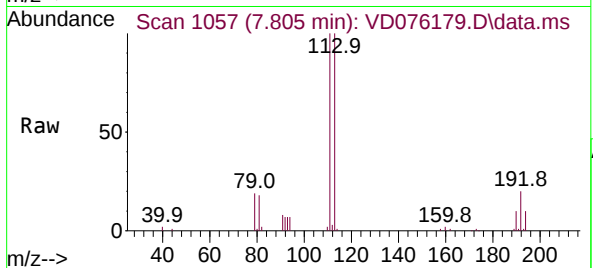




#35
Dibromofluoromethane
Concen: 42.715 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

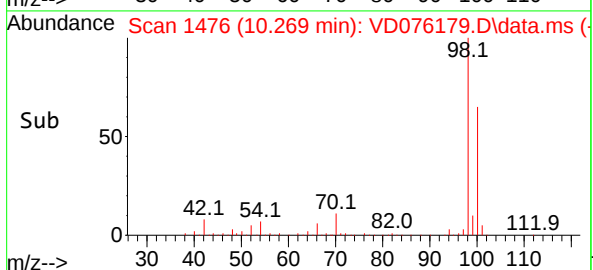
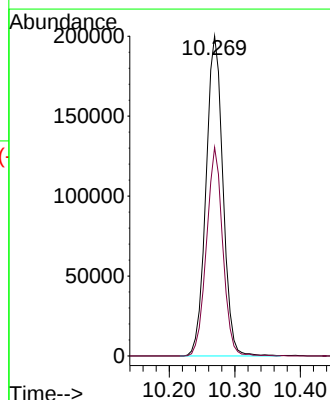
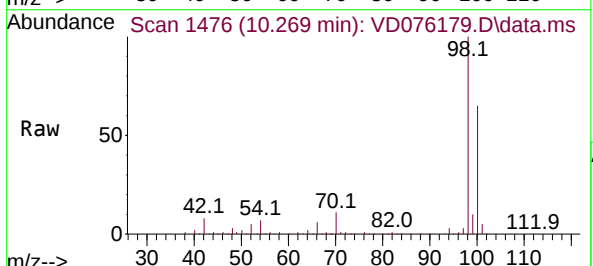
Instrument : MSVOA_D
ClientSampleId : WATERWITCH-AVE-SAMPLE

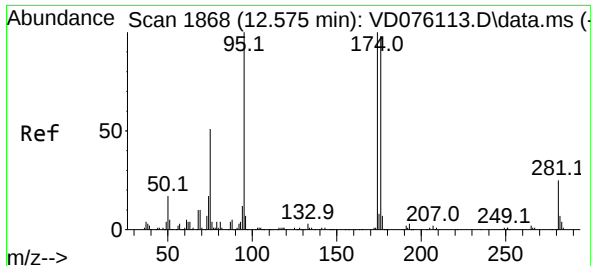
Tgt Ion:113	Resp:	130908	
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	19.1	15.2	22.8



#50
Toluene-d8
Concen: 30.044 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

Tgt Ion: 98	Resp: 358934
Ion Ratio	Lower Upper
98 100	
100 62.8	52.1 78.1

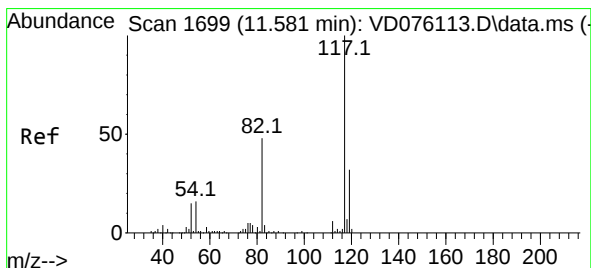
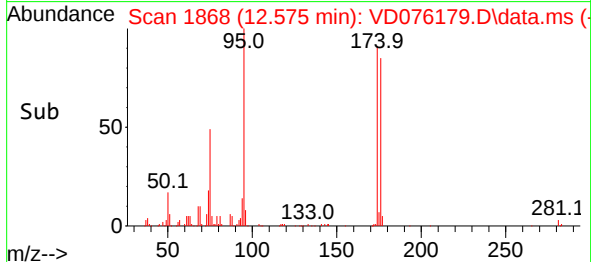
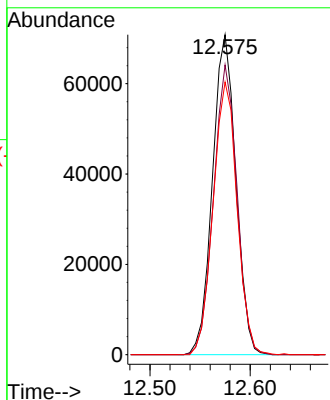
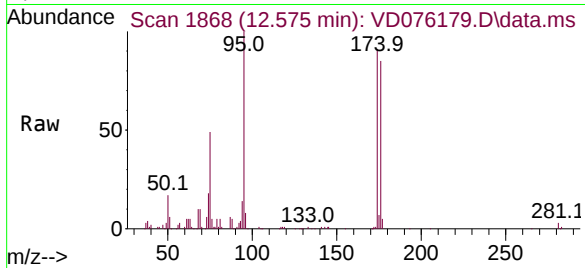




#62
4-Bromofluorobenzene
Concen: 34.516 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

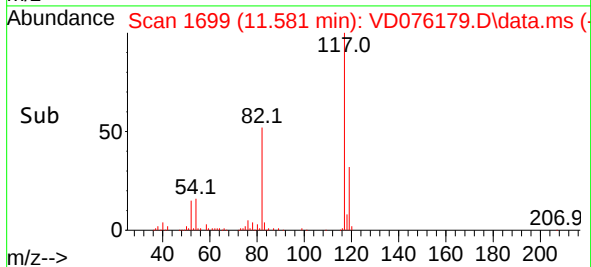
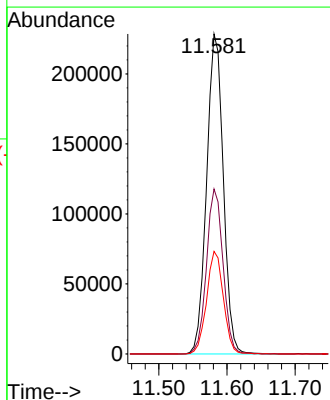
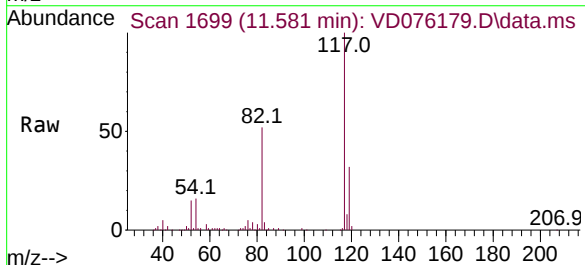
Instrument :
MSVOA_D
ClientSampleId :
WATERWITCH-AVE-SAMPLE

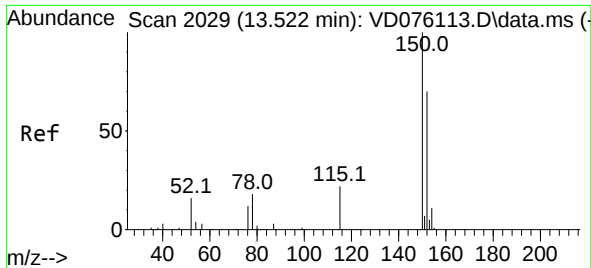
Tgt Ion: 95 Resp: 114550
Ion Ratio Lower Upper
95 100
174 90.6 0.0 164.0
176 87.2 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076179.D
Acq: 22 May 2023 16:52

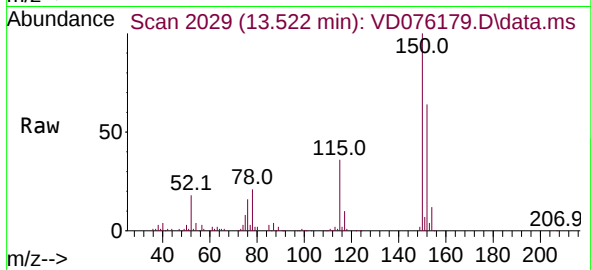
Tgt Ion: 117 Resp: 389346
Ion Ratio Lower Upper
117 100
82 51.5 44.0 66.0
119 32.0 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076179.D
 Acq: 22 May 2023 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 WATERWITCH-AVE-SAMPLE



Tgt Ion:	152	Resp:	138945
Ion	Ratio	Lower	Upper
152	100		
115	55.5	30.1	90.3
150	159.4	0.0	364.8

