

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074294.D
 Acq On : 14 Sep 2022 19:40
 Operator : VA/SY
 Sample : N4538-05
 Misc : 5.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MBD-MP-1-1-2

Quant Time: Sep 15 04:15:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

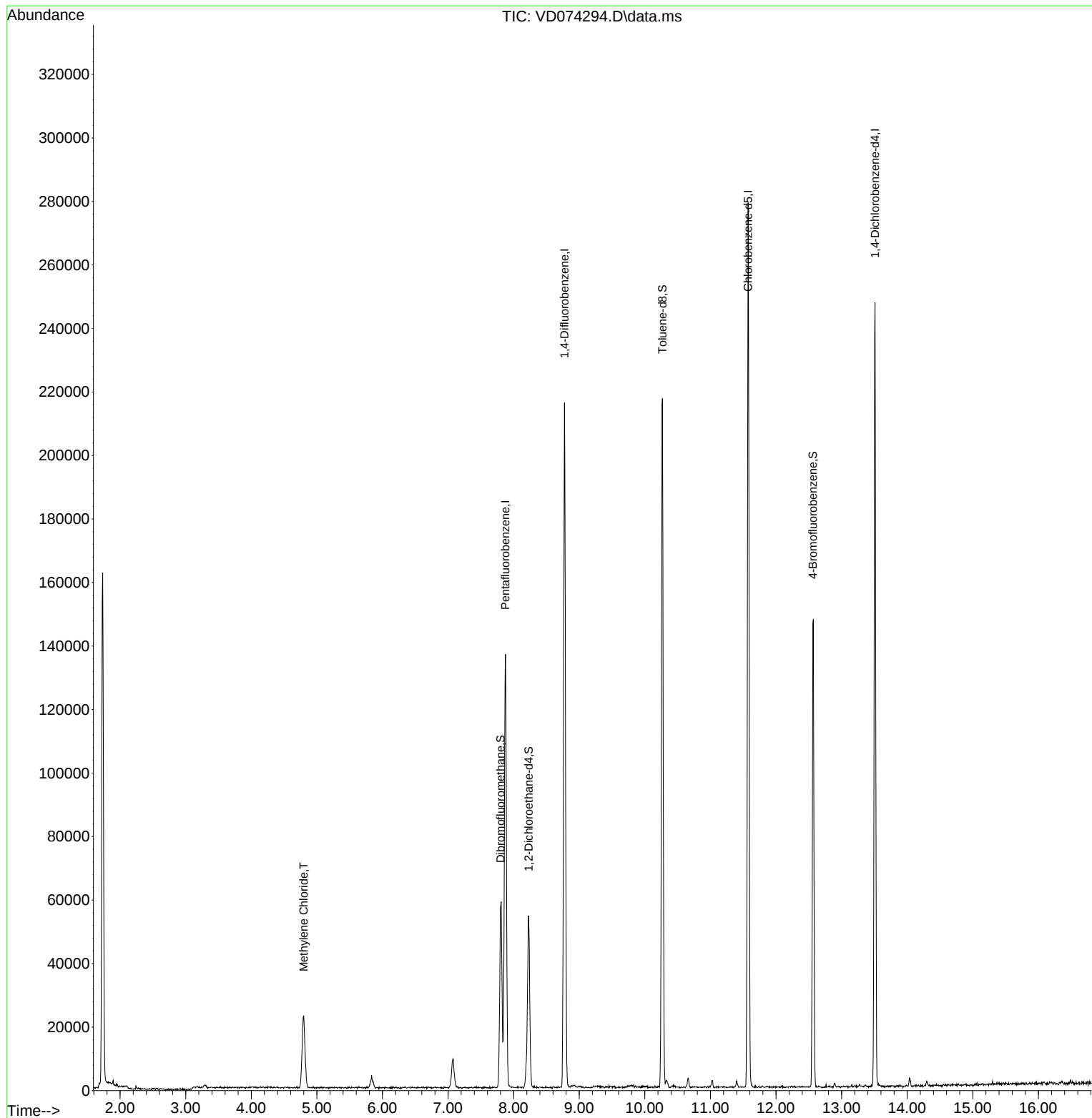
Internal Standards						
1) Pentafluorobenzene	7.875	168	105838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	189780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	158614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	68376	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39340	36.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.920%
35) Dibromofluoromethane	7.798	113	42393	32.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.420%
50) Toluene-d8	10.269	98	151881	32.648	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	65.300%
62) 4-Bromofluorobenzene	12.563	95	44757	23.939	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	47.880%
Target Compounds						
20) Methylene Chloride	4.799	84	17859	8.074	ug/l	93

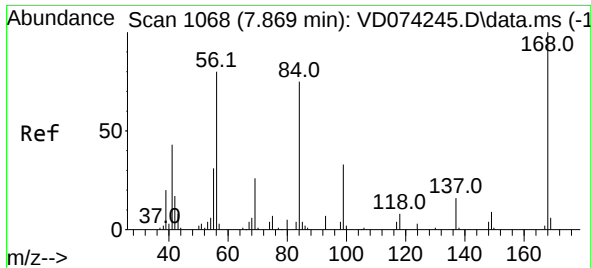
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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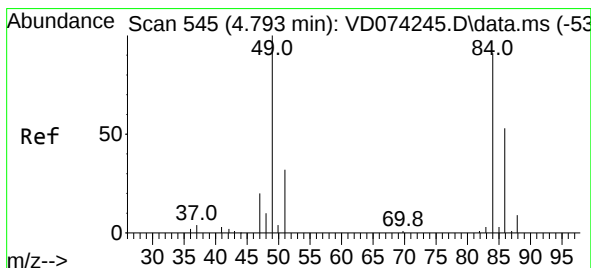
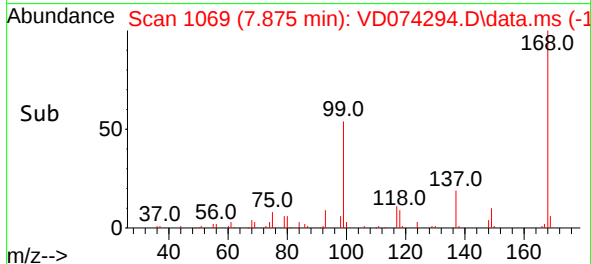
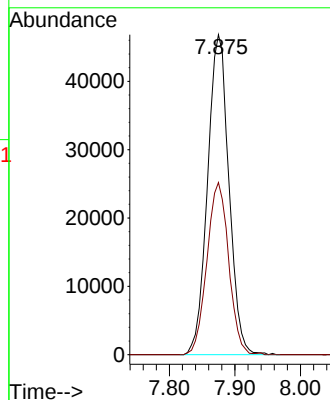
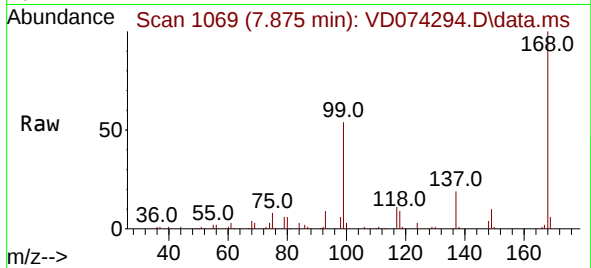




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074294.D
Acq: 14 Sep 2022 19:40

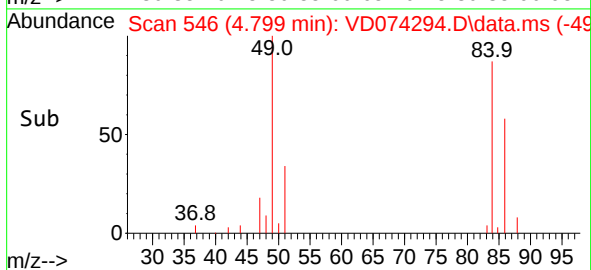
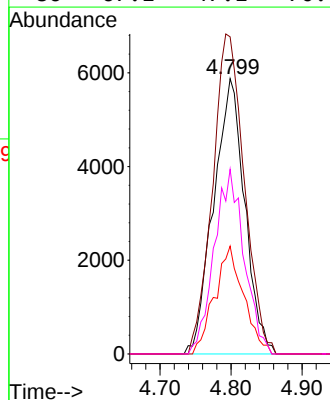
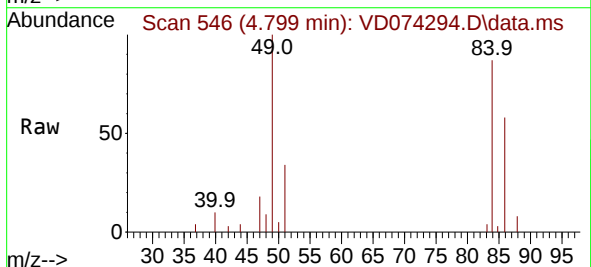
Instrument :
MSVOA_D
ClientSampleId :
MBD-MP-1-1-2

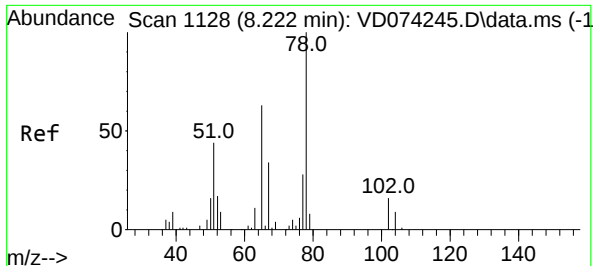
Tgt Ion:168 Resp: 105838
Ion Ratio Lower Upper
168 100
99 53.8 43.0 64.6



#20
Methylene Chloride
Concen: 8.074 ug/l
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074294.D
Acq: 14 Sep 2022 19:40

Tgt Ion: 84 Resp: 17859
Ion Ratio Lower Upper
84 100
49 115.2 88.4 132.6
51 39.2 28.0 42.0
86 67.1 47.1 70.7





#33

1,2-Dichloroethane-d4

Concen: 36.459 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074294.D

Acq: 14 Sep 2022 19:40

Instrument :

MSVOA_D

ClientSampleId :

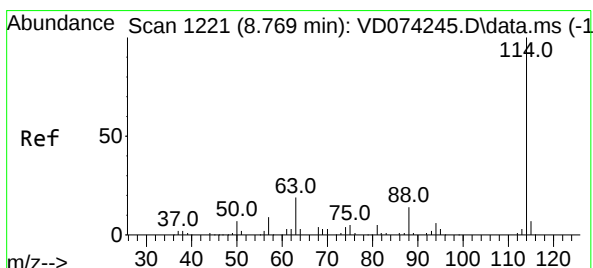
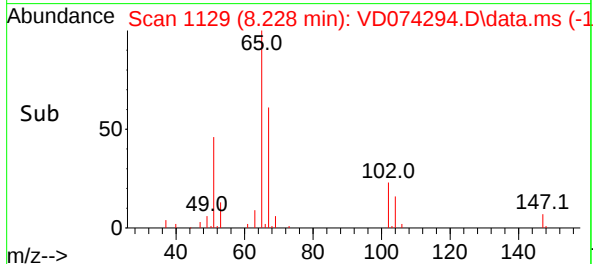
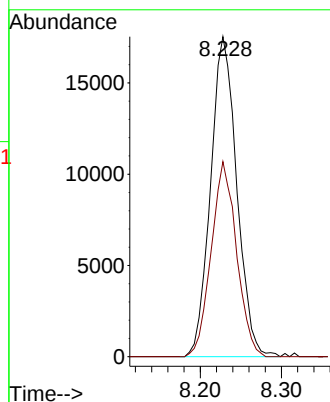
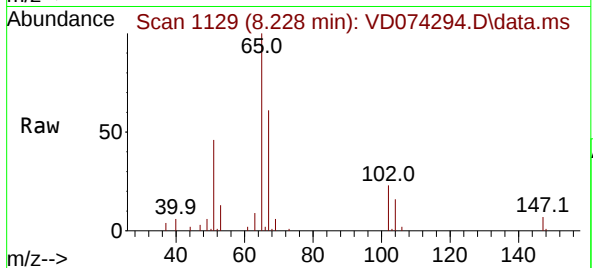
MBD-MP-1-1-2

Tgt Ion: 65 Resp: 39340

Ion Ratio Lower Upper

65 100

67 58.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VD074294.D

Acq: 14 Sep 2022 19:40

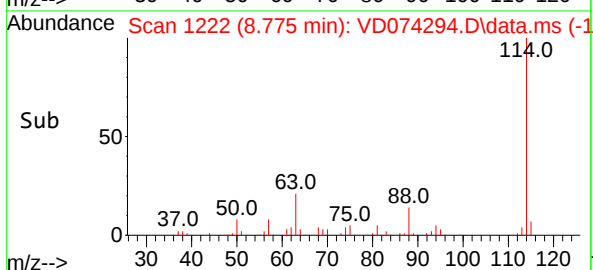
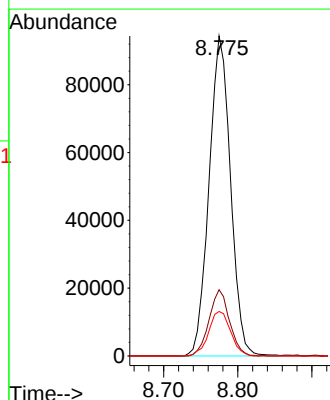
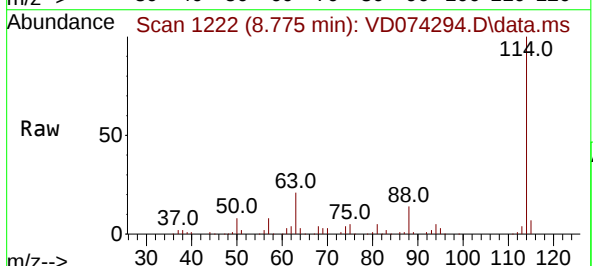
Tgt Ion: 114 Resp: 189780

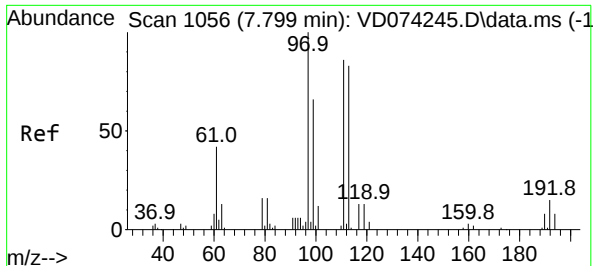
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.6

88 13.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 32.206 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.001 min

Lab File: VD074294.D

Acq: 14 Sep 2022 19:40

Instrument :

MSVOA_D

ClientSampleId :

MBD-MP-1-1-2

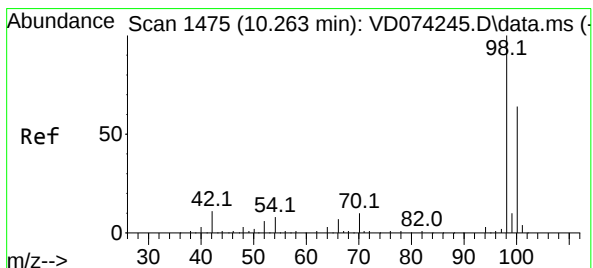
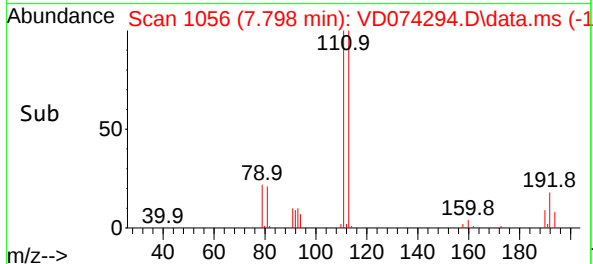
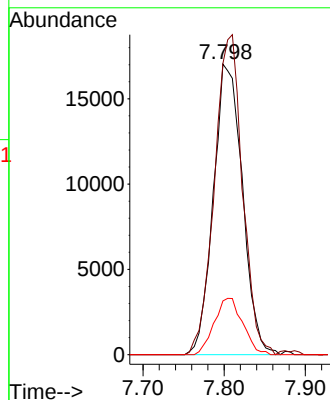
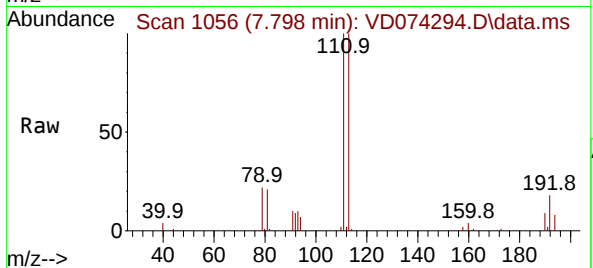
Tgt Ion:113 Resp: 42393

Ion Ratio Lower Upper

113 100

111 106.1 83.0 124.6

192 19.0 16.2 24.2



#50

Toluene-d8

Concen: 32.648 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD074294.D

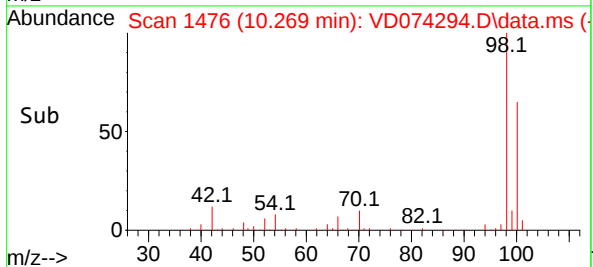
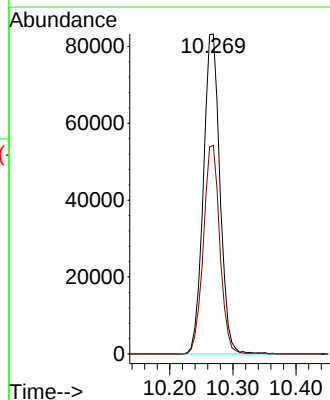
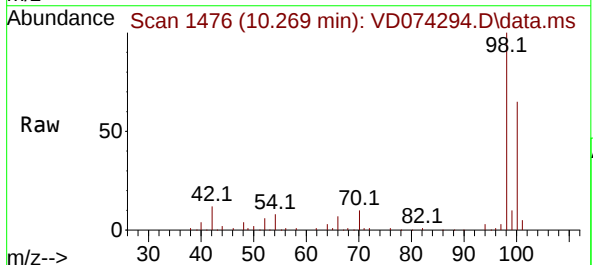
Acq: 14 Sep 2022 19:40

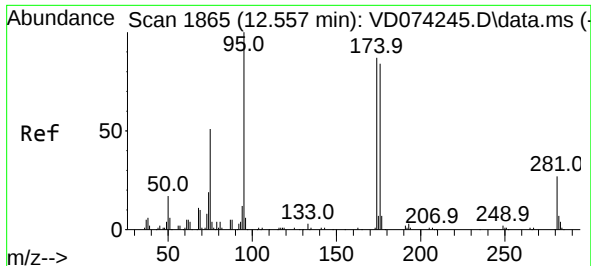
Tgt Ion: 98 Resp: 151881

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8

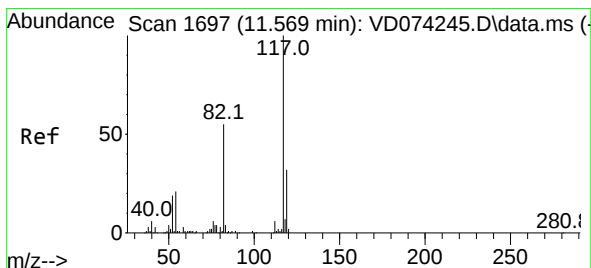
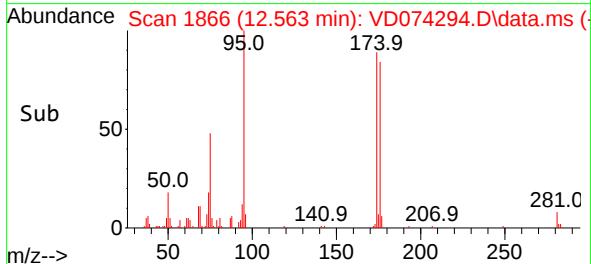
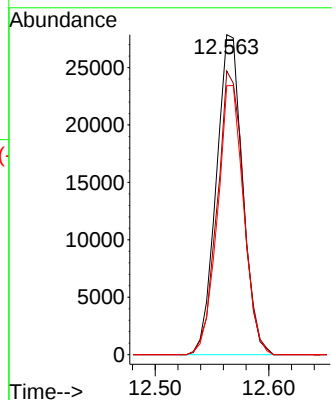
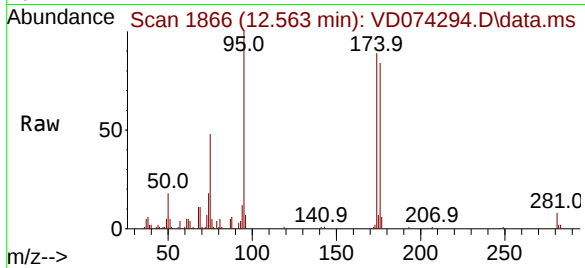




#62
4-Bromofluorobenzene
Concen: 23.939 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074294.D
Acq: 14 Sep 2022 19:40

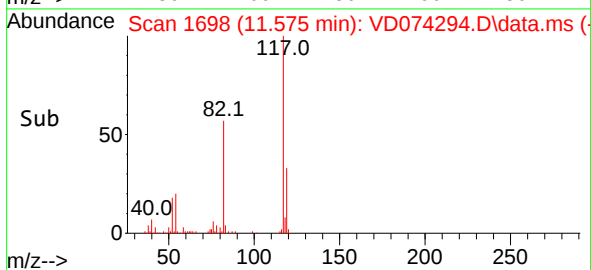
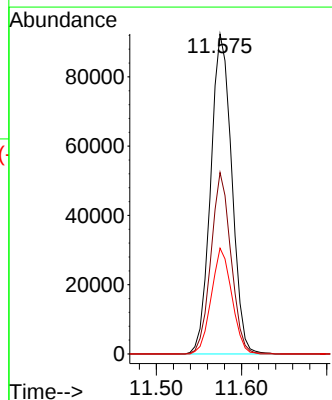
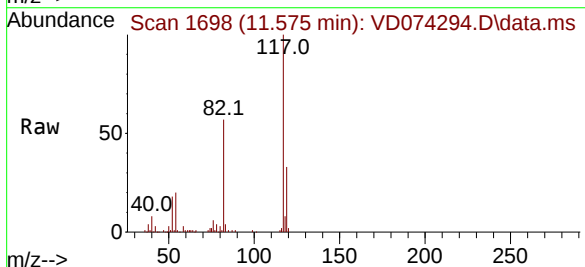
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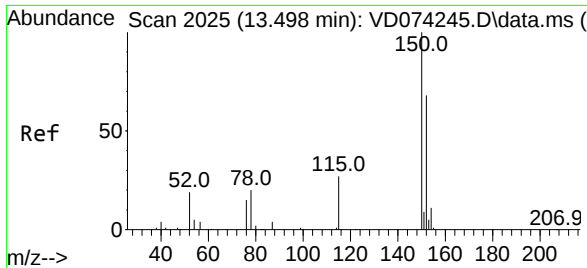
Tgt Ion: 95 Resp: 44757
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.2
176 83.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074294.D
Acq: 14 Sep 2022 19:40

Tgt Ion: 117 Resp: 158614
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 33.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 20

Delta R.T. 0.012 min

Lab File: VD074294.D

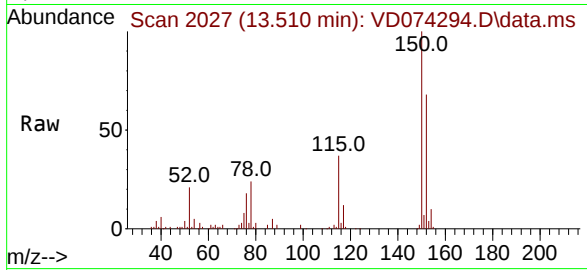
Acq: 14 Sep 2022 19:40

Instrument :

MSVOA_D

ClientSampleId :

MBD-MP-1-1-2



Tgt Ion:152 Resp: 68376

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

150 152.1 0.0 351.0

