

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074292.D
 Acq On : 14 Sep 2022 18:43
 Operator : VA/SY
 Sample : N4538-02
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MBD-SB-1-4-5

Quant Time: Sep 15 04:15:37 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)

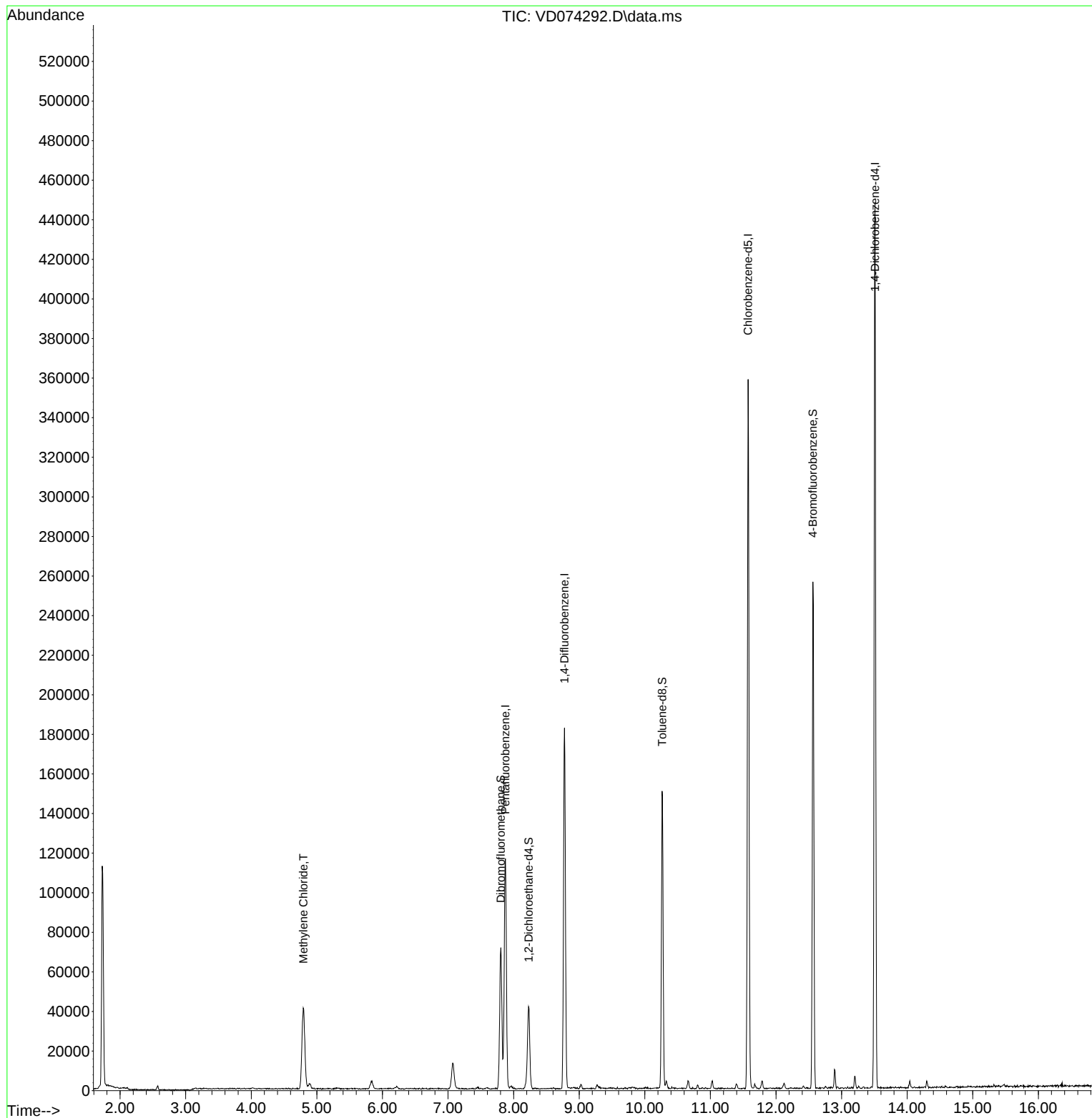
Internal Standards						
1) Pentafluorobenzene	7.875	168	90713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	162423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	203482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	122130	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	31791	34.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.740%
35) Dibromofluoromethane	7.805	113	52321	48.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.000%
50) Toluene-d8	10.263	98	105813	26.576	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	53.160%
62) 4-Bromofluorobenzene	12.563	95	78776	57.721	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.440%
Target Compounds						
20) Methylene Chloride	4.793	84	32493	24.901	ug/l	Qvalue 91

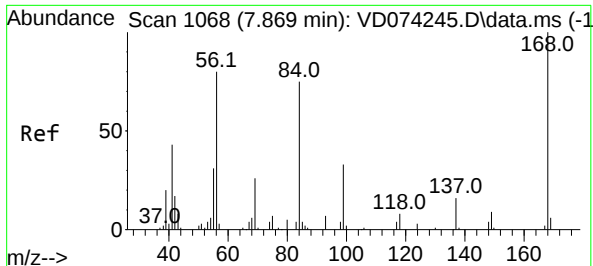
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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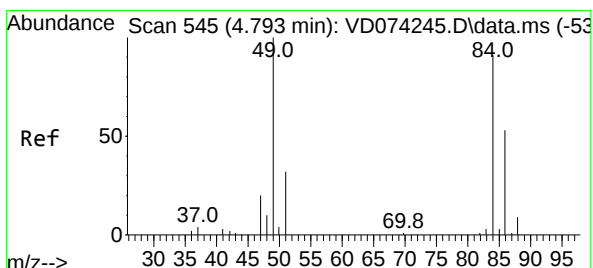
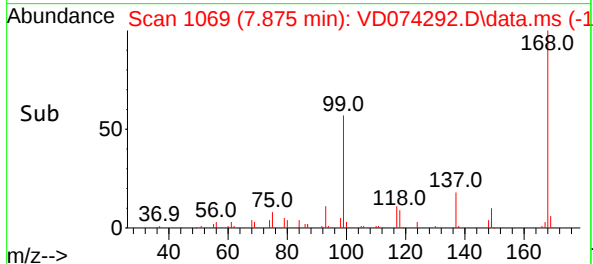
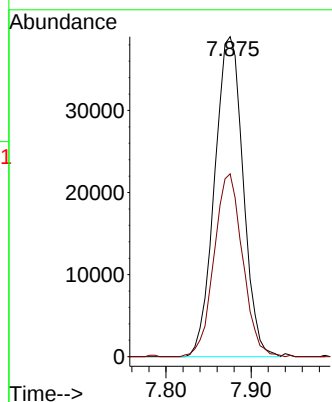
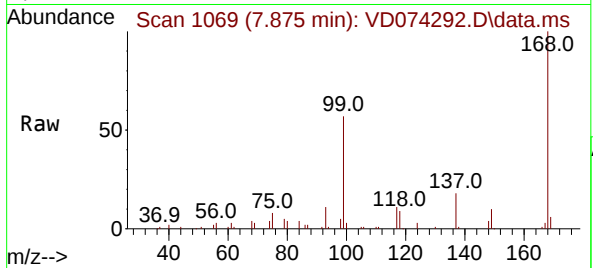




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074292.D
Acq: 14 Sep 2022 18:43

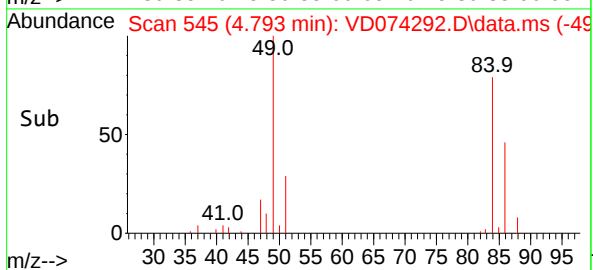
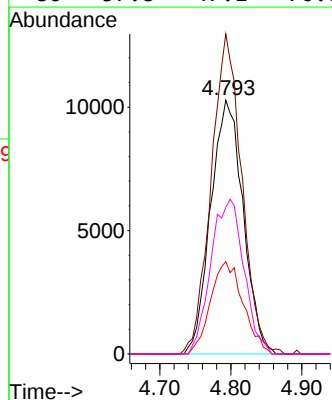
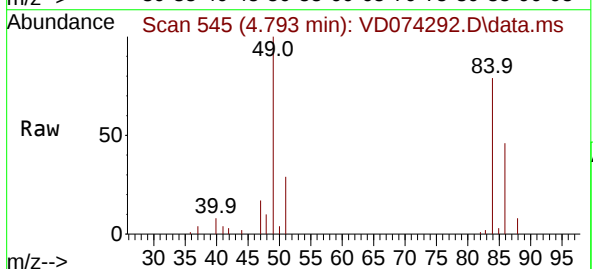
Instrument :
MSVOA_D
ClientSampleId :
MBD-SB-1-4-5

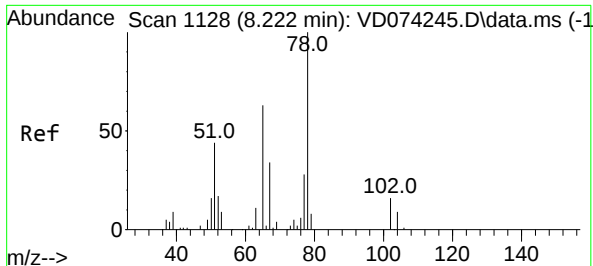
Tgt Ion:168 Resp: 90713
Ion Ratio Lower Upper
168 100
99 57.2 43.0 64.6



#20
Methylene Chloride
Concen: 24.901 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD074292.D
Acq: 14 Sep 2022 18:43

Tgt Ion: 84 Resp: 32493
Ion Ratio Lower Upper
84 100
49 126.1 88.4 132.6
51 36.4 28.0 42.0
86 57.8 47.1 70.7





#33

1,2-Dichloroethane-d4

Concen: 34.375 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074292.D

Acq: 14 Sep 2022 18:43

Instrument :

MSVOA_D

ClientSampleId :

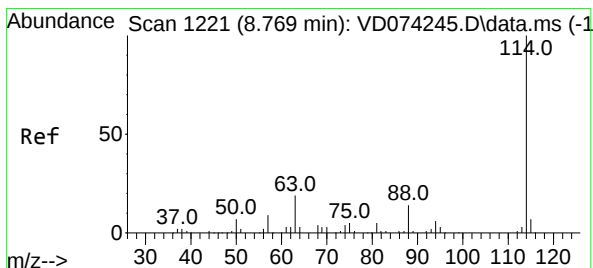
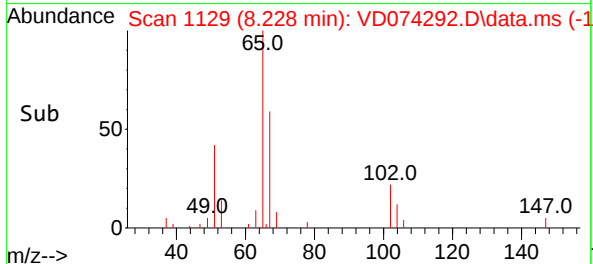
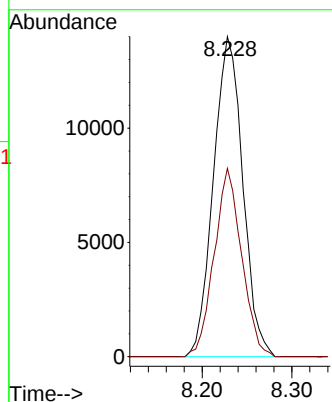
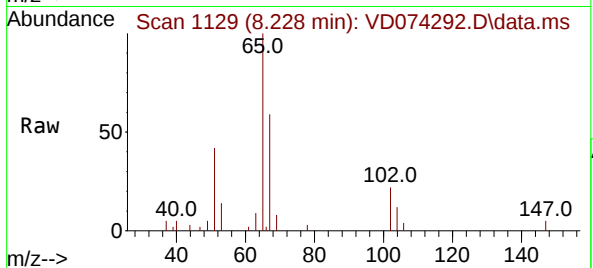
MBD-SB-1-4-5

Tgt Ion: 65 Resp: 31791

Ion Ratio Lower Upper

65 100

67 55.1 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: VD074292.D

Acq: 14 Sep 2022 18:43

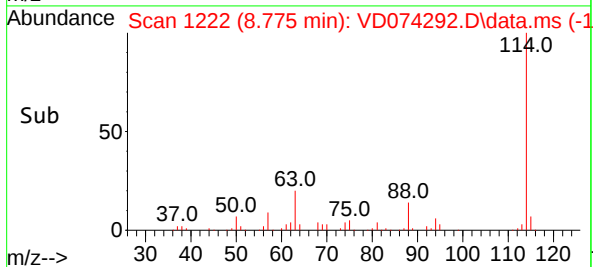
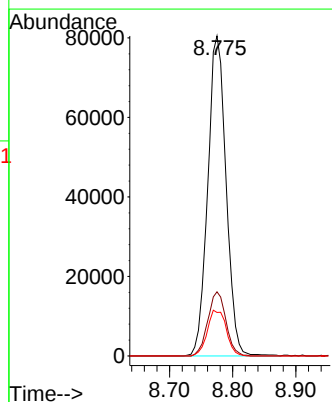
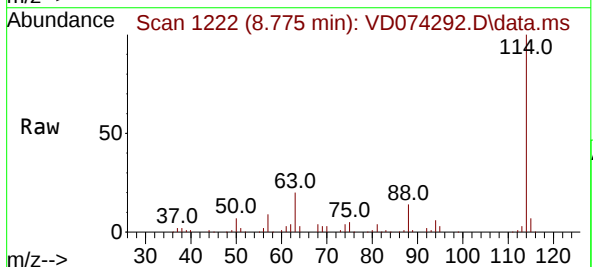
Tgt Ion: 114 Resp: 162423

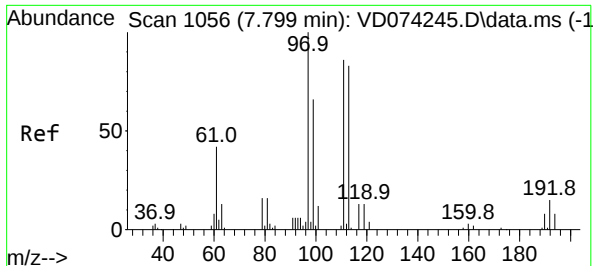
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.6

88 13.6 0.0 28.4





#35

Dibromofluoromethane

Concen: 48.004 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD074292.D

Acq: 14 Sep 2022 18:43

Instrument :

MSVOA_D

ClientSampleId :

MBD-SB-1-4-5

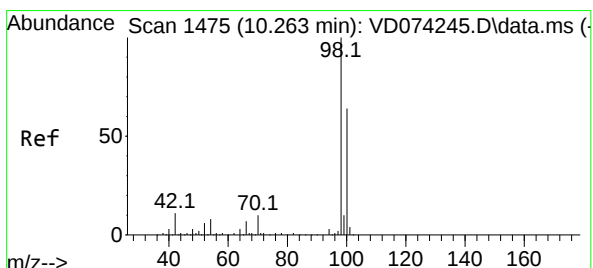
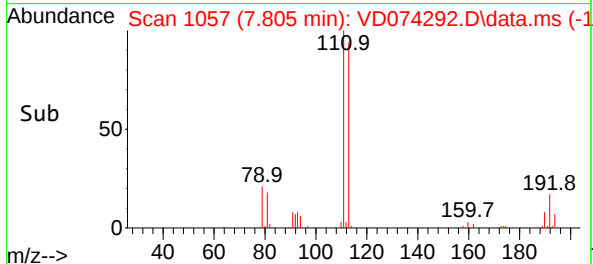
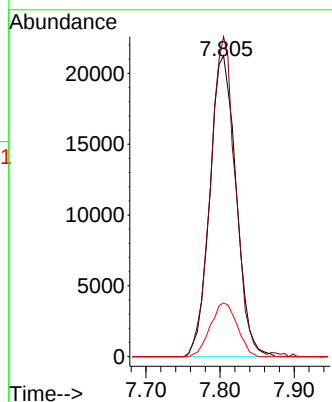
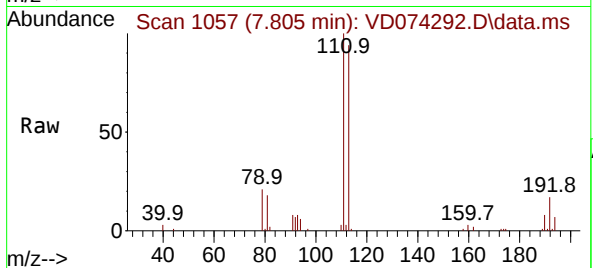
Tgt Ion:113 Resp: 52321

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.6

192 18.2 16.2 24.2



#50

Toluene-d8

Concen: 26.576 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VD074292.D

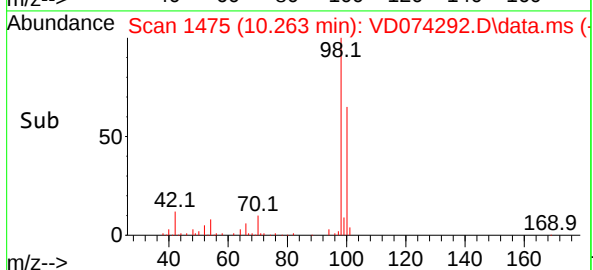
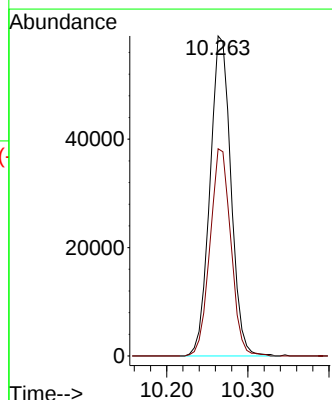
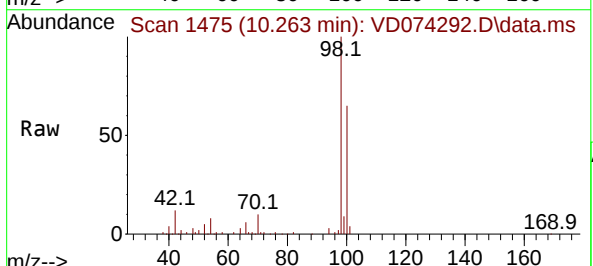
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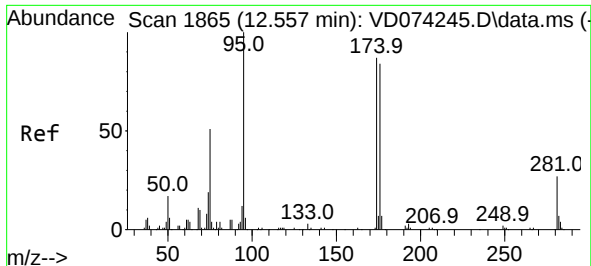
Tgt Ion: 98 Resp: 105813

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.8

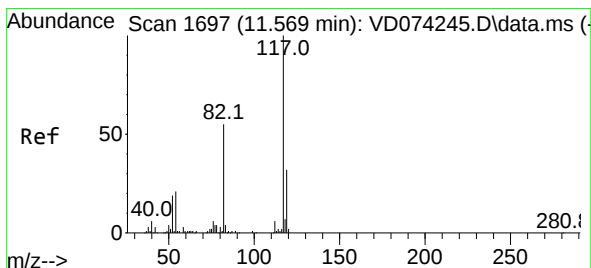
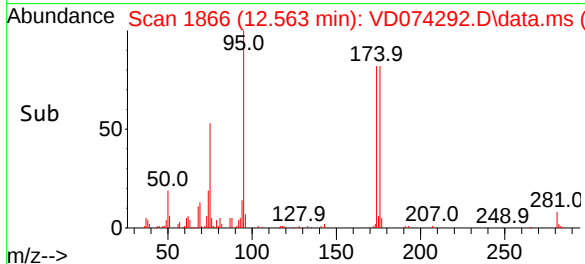
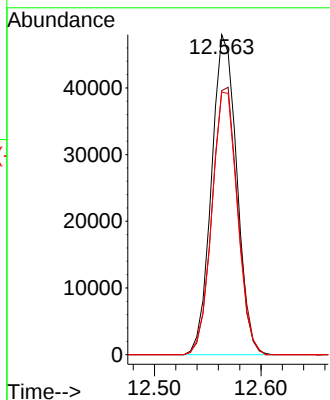
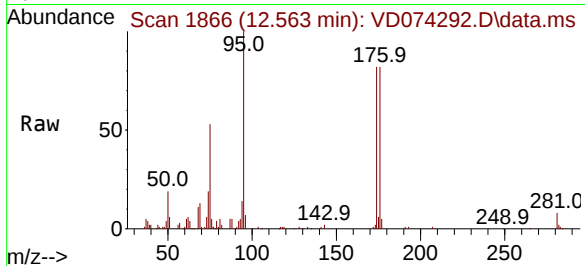




#62
4-Bromofluorobenzene
Concen: 57.721 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074292.D
Acq: 14 Sep 2022 18:43

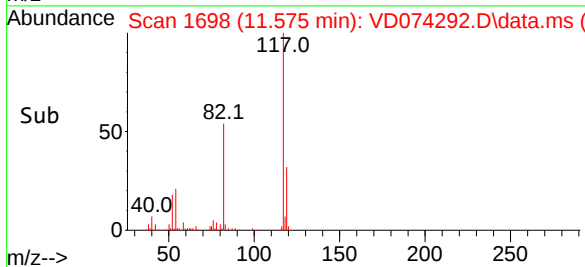
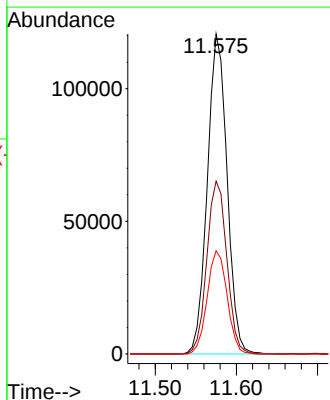
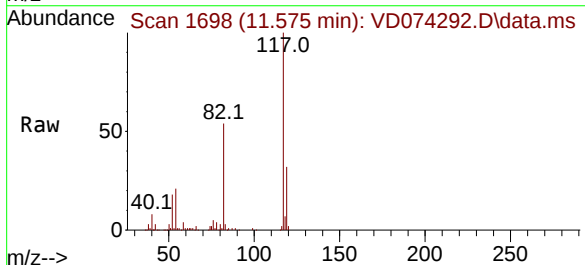
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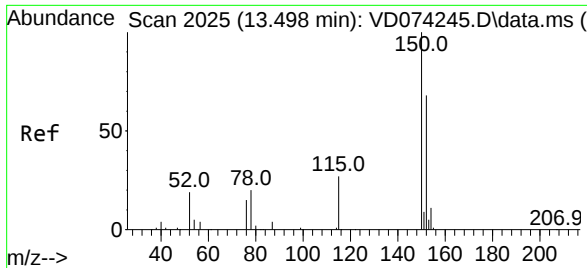
Tgt Ion: 95 Resp: 78776
Ion Ratio Lower Upper
95 100
174 84.8 0.0 179.2
176 83.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074292.D
Acq: 14 Sep 2022 18:43

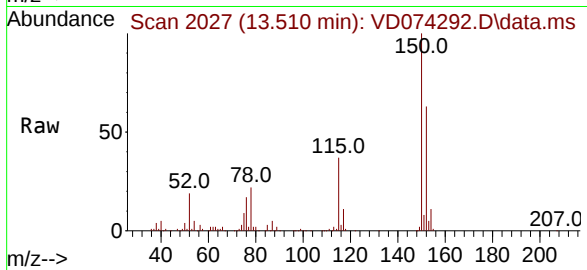
Tgt Ion: 117 Resp: 203482
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.2 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VD074292.D
 Acq: 14 Sep 2022 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 MBD-SB-1-4-5



Tgt Ion:152 Resp: 122130
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.4 85.2
 150 156.4 0.0 351.0

