

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091522\
 Data File : VD074311.D
 Acq On : 15 Sep 2022 16:33
 Operator : VA/SY
 Sample : N4538-01
 Misc : 5.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 16 05:54:48 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	108671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	195669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	158534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	57636	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61864	55.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.680%
35) Dibromofluoromethane	7.804	113	62013	47.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.340%
50) Toluene-d8	10.269	98	241349	50.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.640%
62) 4-Bromofluorobenzene	12.569	95	60981	34.219	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.440%

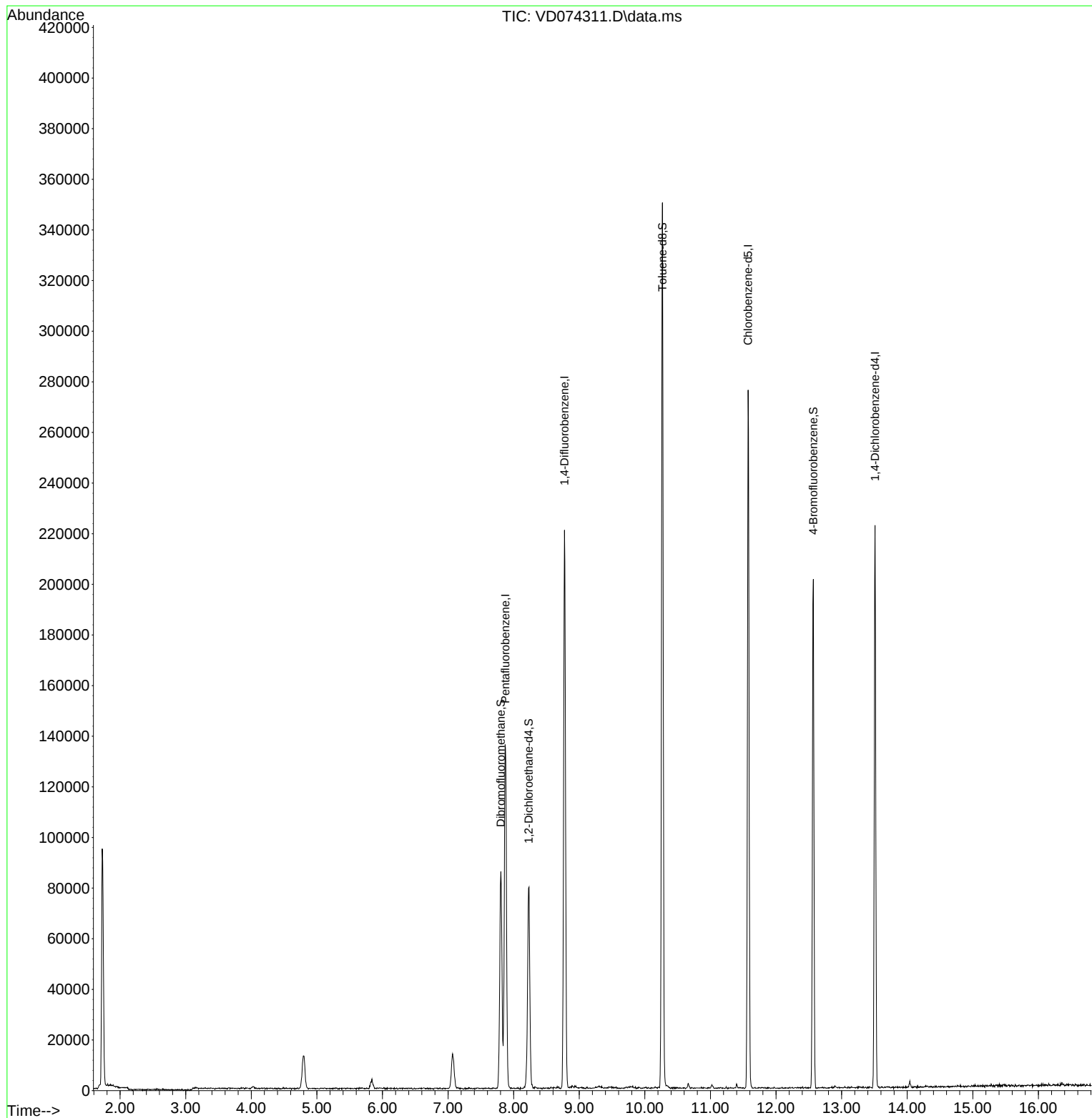
Target Compounds	Qvalue

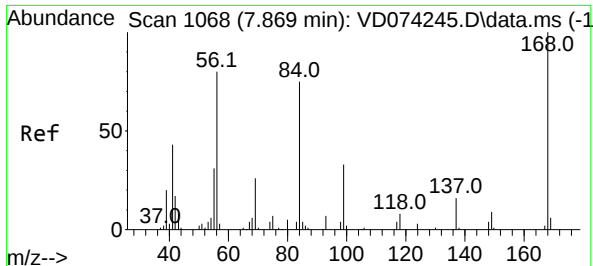
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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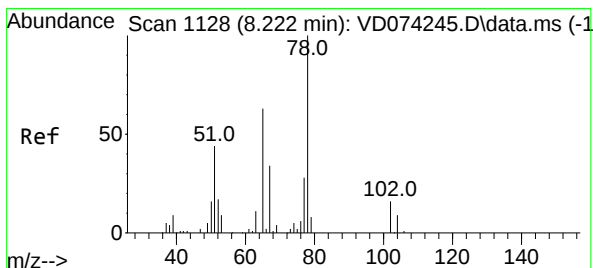
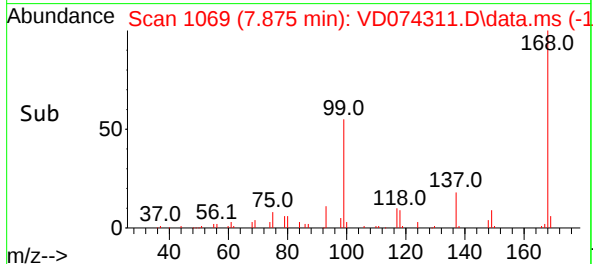
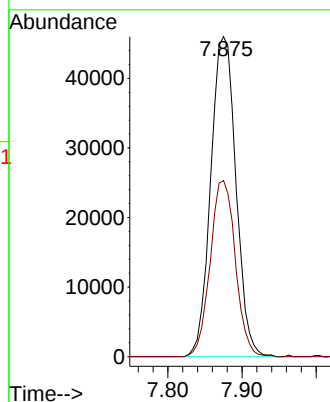
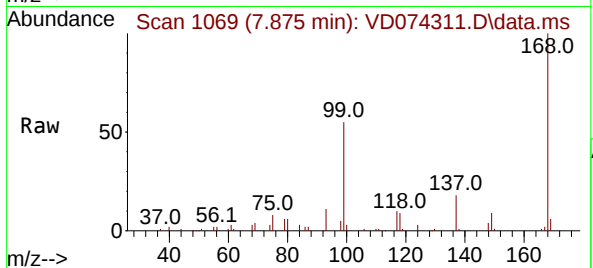




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD074311.D
Acq: 15 Sep 2022 16:33

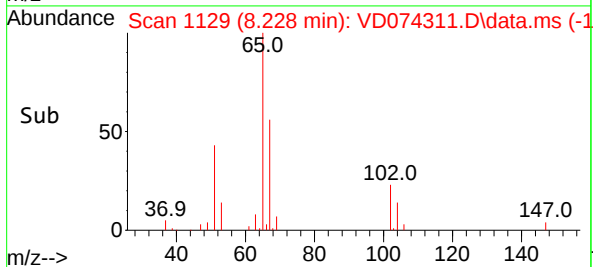
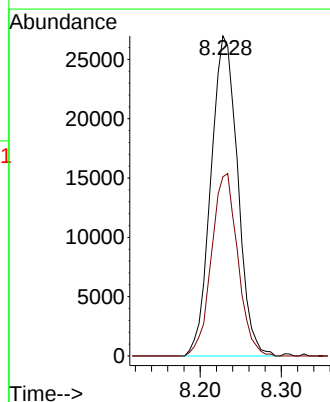
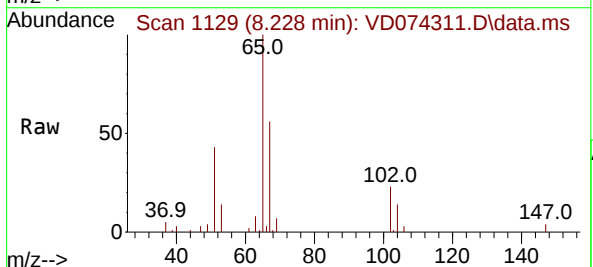
Instrument :
MSVOA_D
ClientSampleId :
MBD-SB-1-1-2

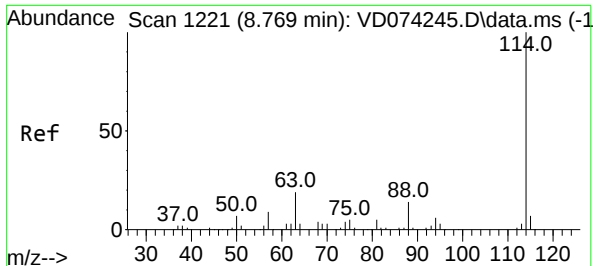
Tgt Ion:168 Resp: 108671
Ion Ratio Lower Upper
168 100
99 55.1 43.0 64.6



#33
1,2-Dichloroethane-d4
Concen: 55.838 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD074311.D
Acq: 15 Sep 2022 16:33

Tgt Ion: 65 Resp: 61864
Ion Ratio Lower Upper
65 100
67 56.0 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074311.D

Acq: 15 Sep 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

MBD-SB-1-1-2

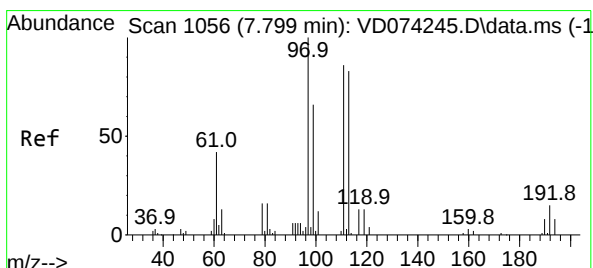
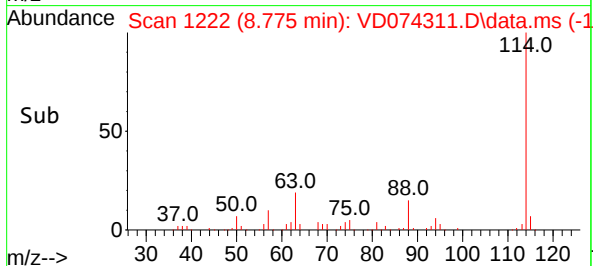
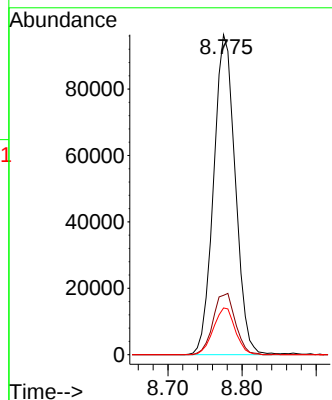
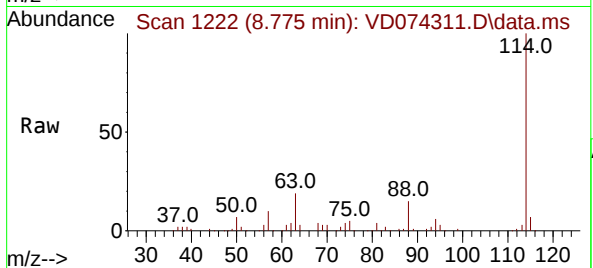
Tgt Ion:114 Resp: 195669

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.6

88 14.6 0.0 28.4



#35

Dibromofluoromethane

Concen: 47.172 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074311.D

Acq: 15 Sep 2022 16:33

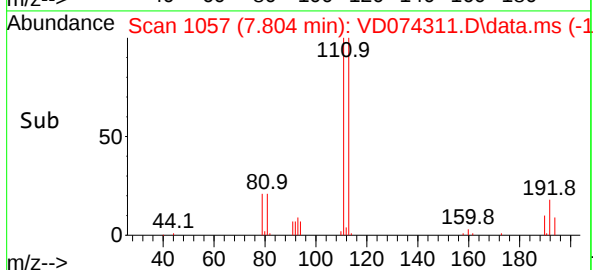
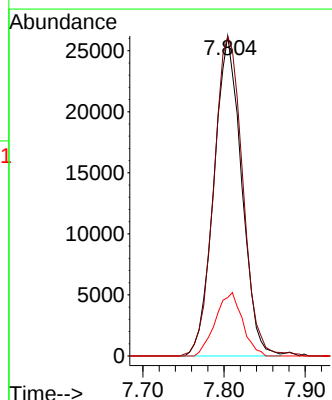
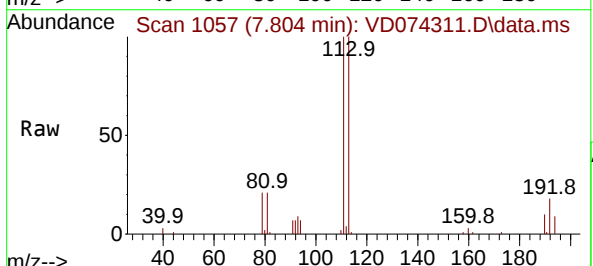
Tgt Ion:113 Resp: 62013

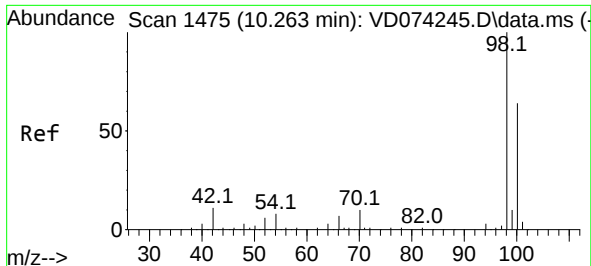
Ion Ratio Lower Upper

113 100

111 104.5 83.0 124.6

192 19.3 16.2 24.2

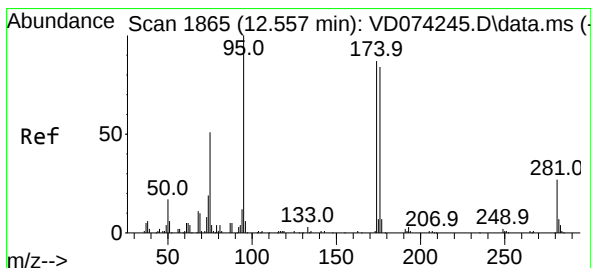
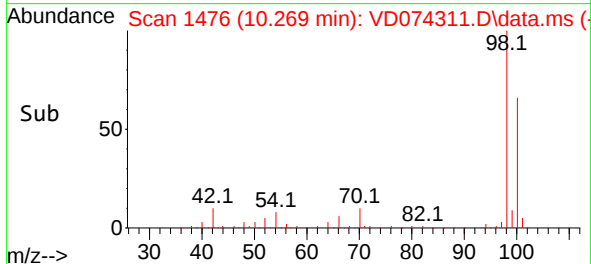
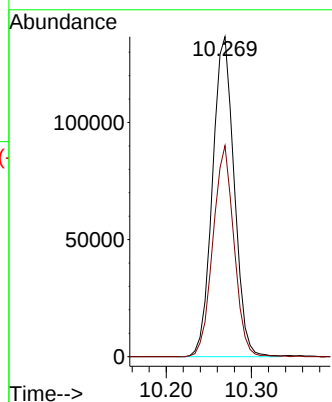
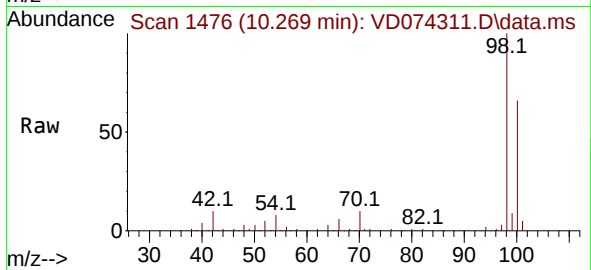




#50
Toluene-d8
Concen: 50.318 ug/l
RT: 10.269 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VD074311.D
Acq: 15 Sep 2022 16:33

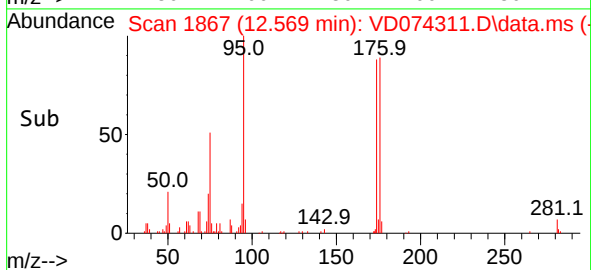
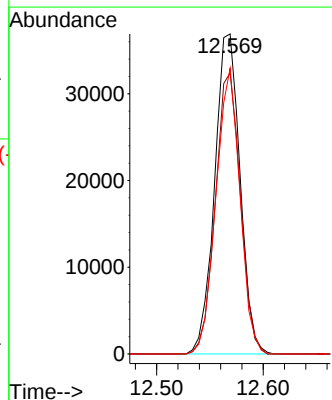
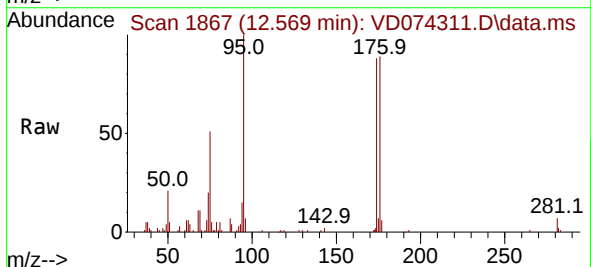
Instrument :
MSVOA_D
ClientSampleId :
MBD-SB-1-1-2

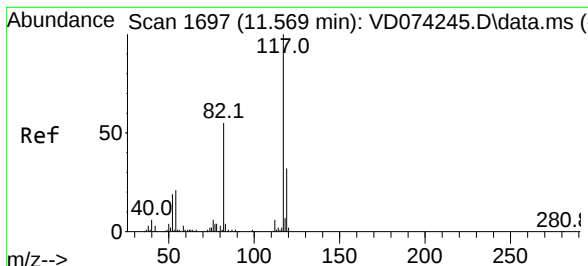
Tgt Ion: 98 Resp: 241349
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 34.219 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.012 min
Lab File: VD074311.D
Acq: 15 Sep 2022 16:33

Tgt Ion: 95 Resp: 60981
Ion Ratio Lower Upper
95 100
174 86.9 0.0 179.2
176 84.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.575 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD074311.D

Acq: 15 Sep 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

MBD-SB-1-1-2

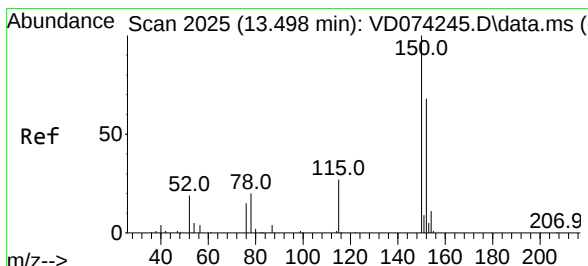
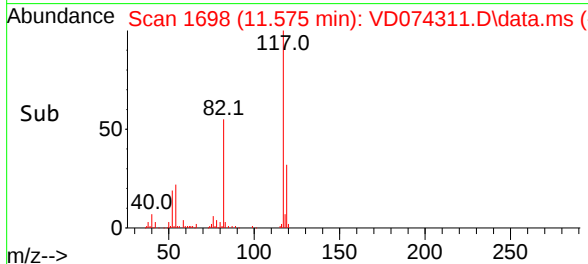
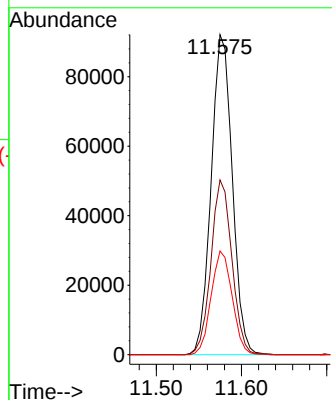
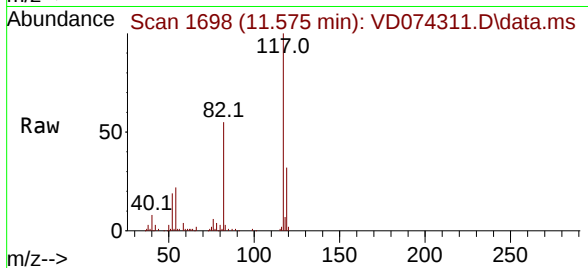
Tgt Ion:117 Resp: 158534

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 2027

Delta R.T. 0.012 min

Lab File: VD074311.D

Acq: 15 Sep 2022 16:33

Tgt Ion:152 Resp: 57636

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.2

150 158.5 0.0 351.0

