

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076837.D
 Acq On : 27 Jul 2023 16:39
 Operator : KP/SY
 Sample : 03768-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FL-1

Quant Time: Jul 28 02:59:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	122108	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	247586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	240512	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83074	68.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.600%	
35) Dibromofluoromethane	7.799	113	86368	55.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.020%	
50) Toluene-d8	10.269	98	302603	54.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.575	95	95810	53.211	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.420%	

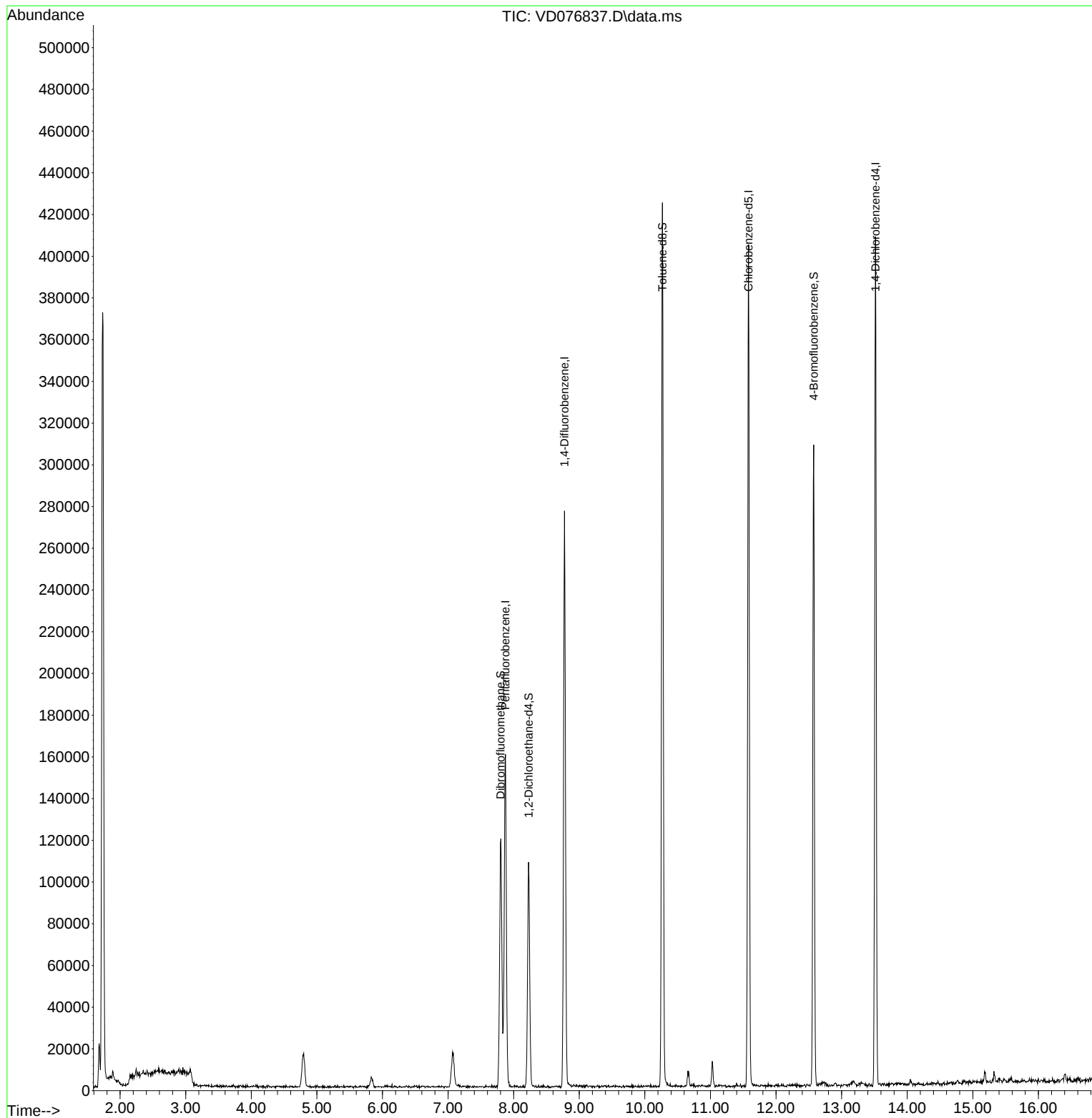
Target Compounds	Qvalue

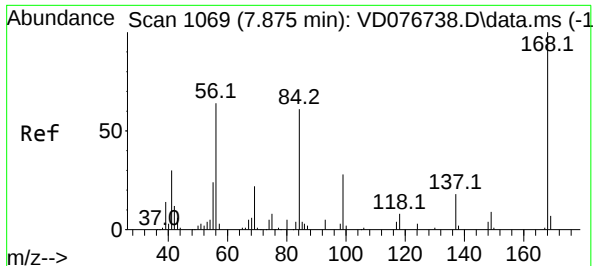
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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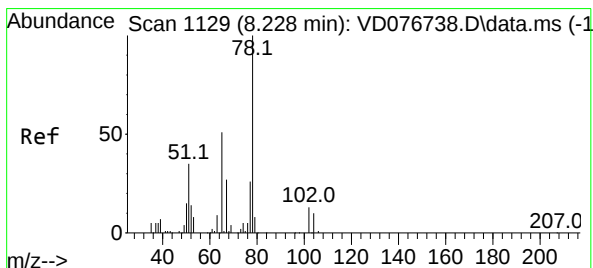
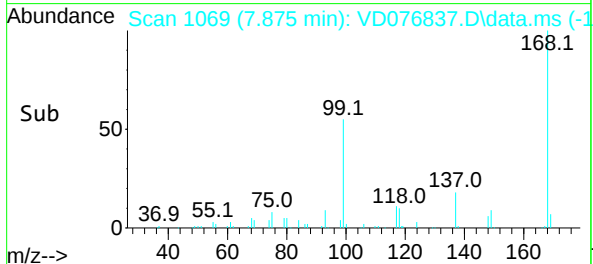
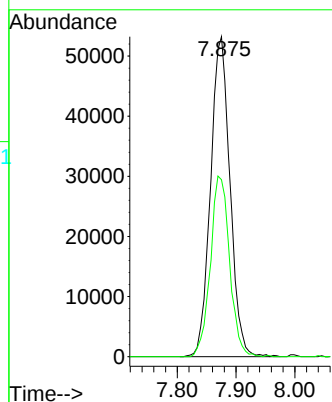
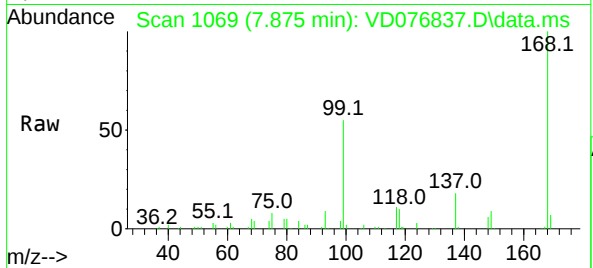




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

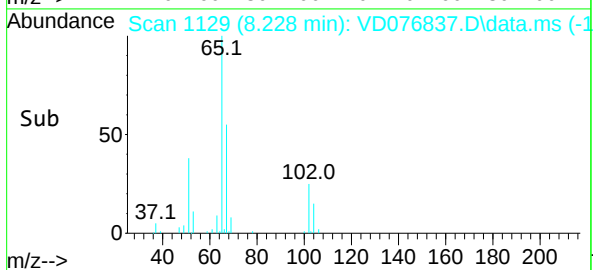
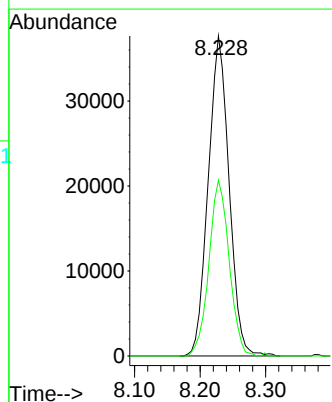
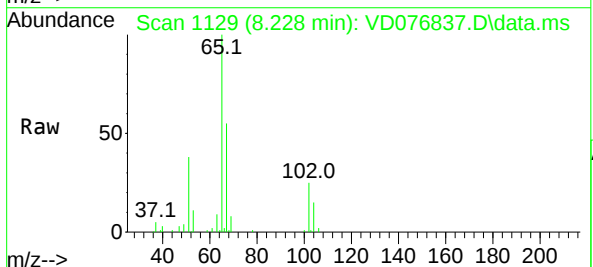
Instrument :
MSVOA_D
ClientSampleId :
FL-1

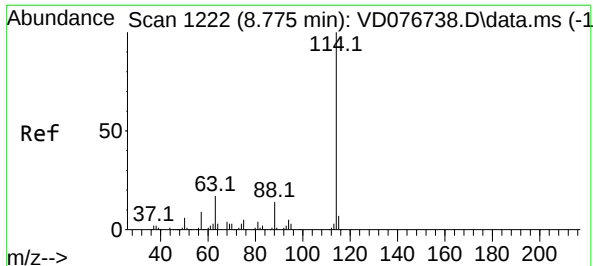
Tgt Ion:168 Resp: 122108
Ion Ratio Lower Upper
168 100
99 55.3 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 68.304 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 65 Resp: 83074
Ion Ratio Lower Upper
65 100
67 53.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

FL-1

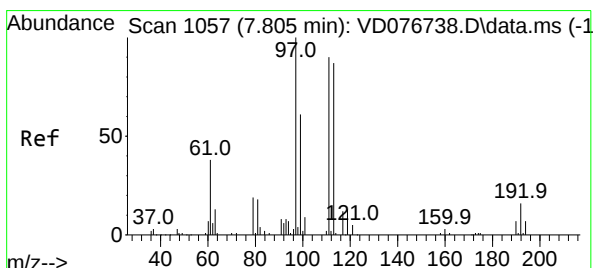
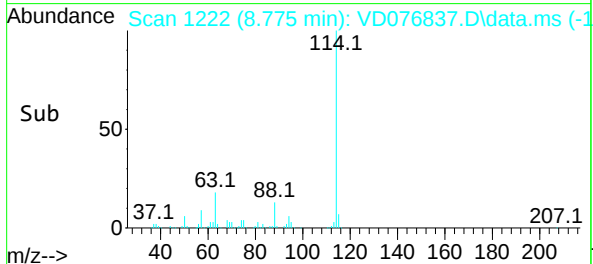
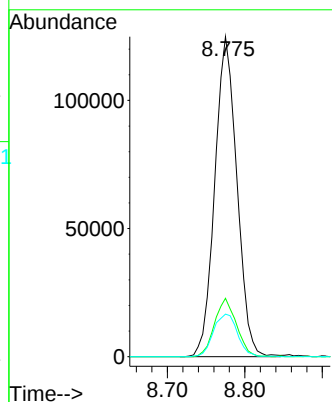
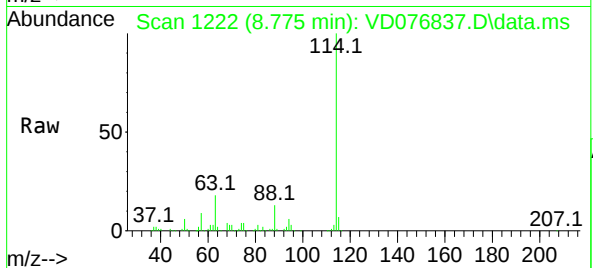
Tgt Ion:114 Resp: 247586

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 55.512 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

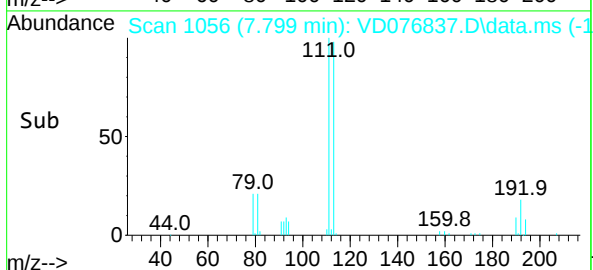
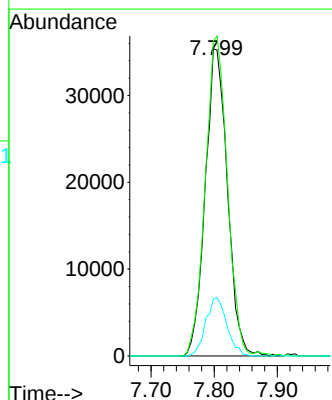
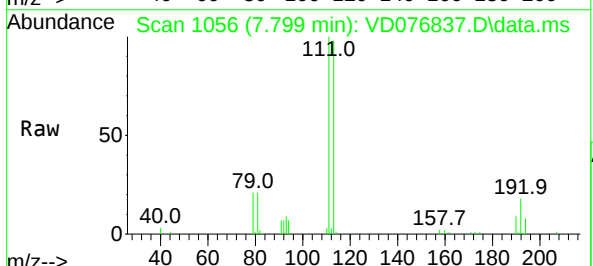
Tgt Ion:113 Resp: 86368

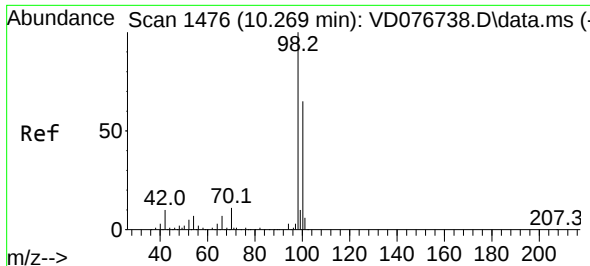
Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 18.0 16.8 25.2

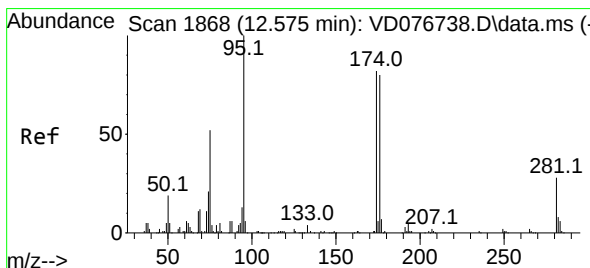
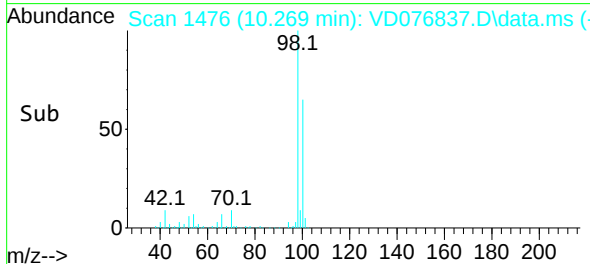
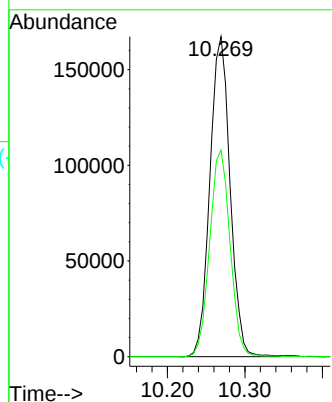
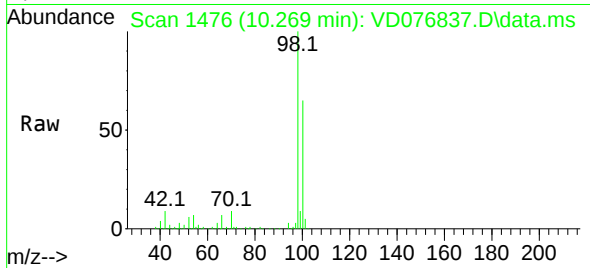




#50
Toluene-d8
Concen: 54.368 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

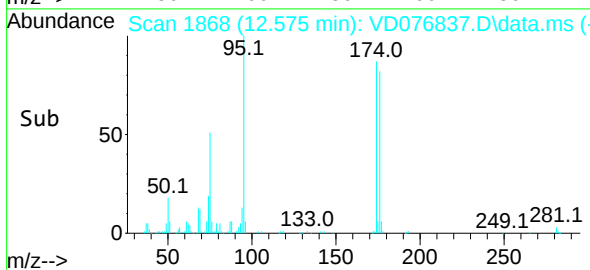
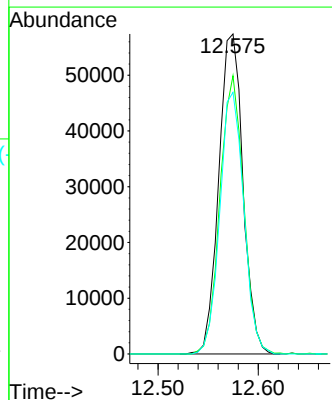
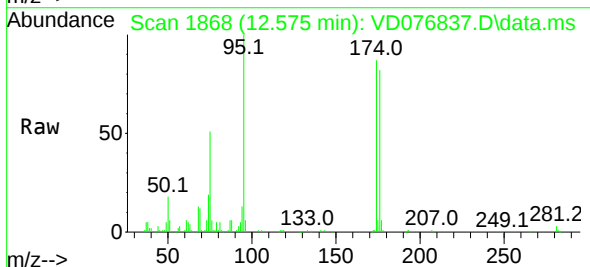
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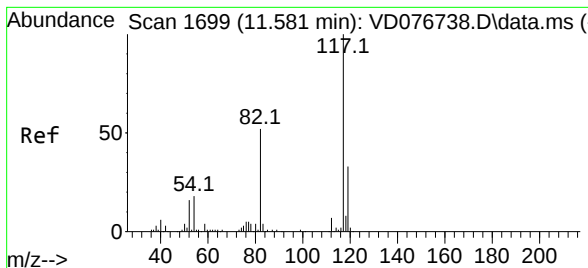
Tgt Ion: 98 Resp: 302603
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 53.211 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 95 Resp: 95810
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 81.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

FL-1

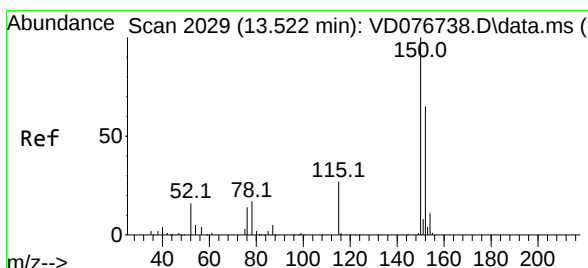
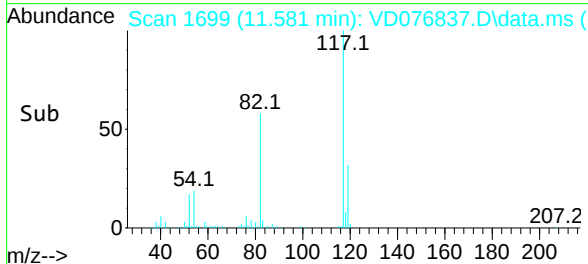
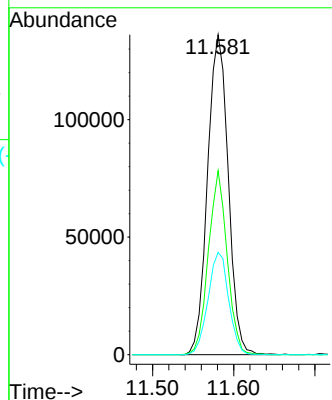
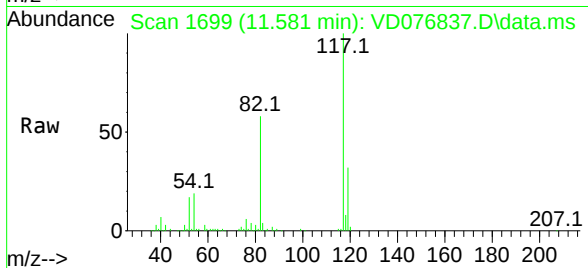
Tgt Ion:117 Resp: 240512

Ion Ratio Lower Upper

117 100

82 57.5 38.3 57.5#

119 32.0 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Tgt Ion:152 Resp: 107743

Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 158.3 0.0 353.6

