

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076797.D
 Acq On : 19 Jul 2023 18:13
 Operator : KP/SY
 Sample : 03625-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200018

Quant Time: Jul 20 05:01:35 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	162071	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	346287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	314581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99736	61.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.560%
35) Dibromofluoromethane	7.805	113	113981	52.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.760%
50) Toluene-d8	10.269	98	426216	54.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.569	95	120241	47.746	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.500%

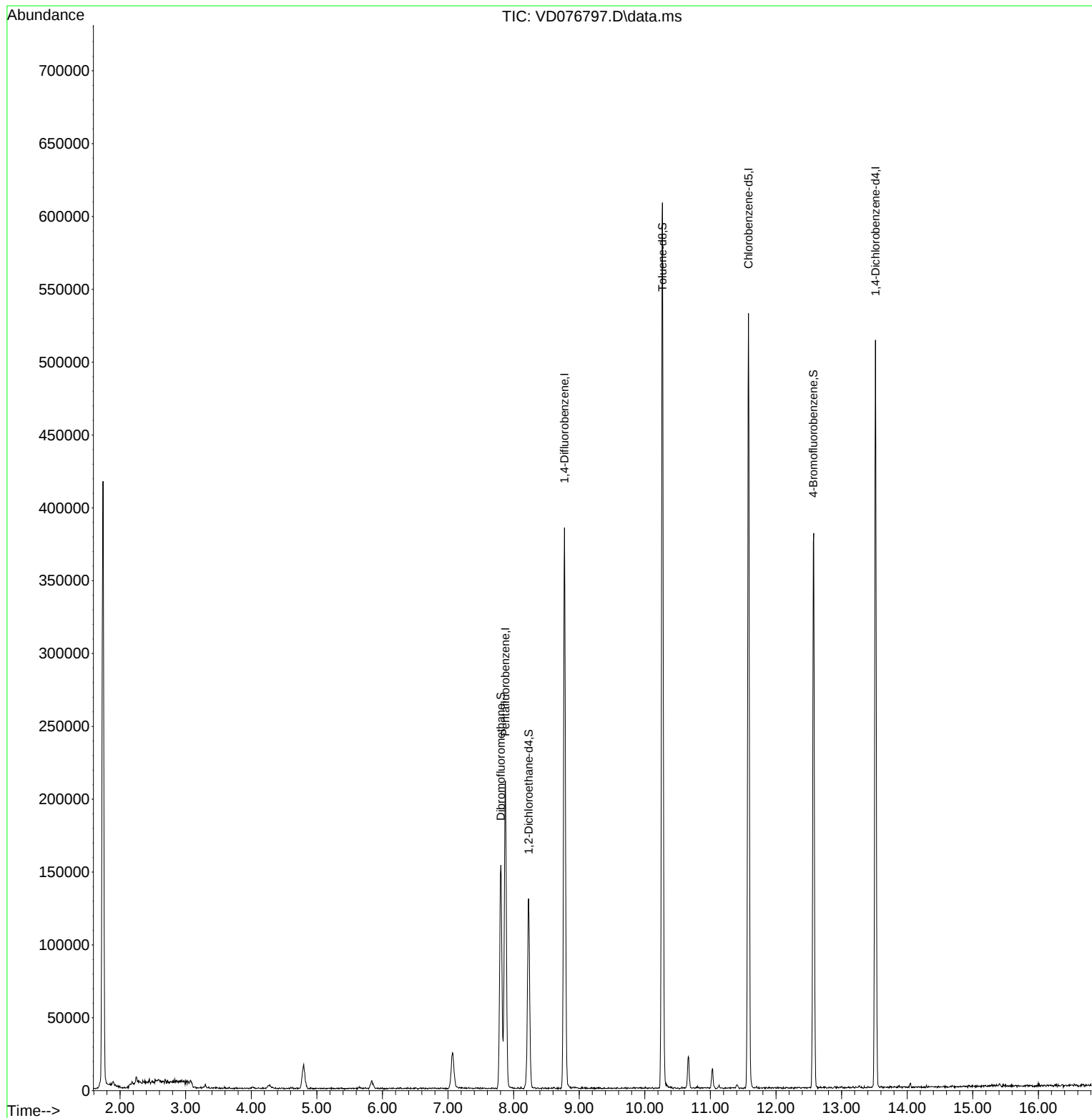
Target Compounds	Qvalue

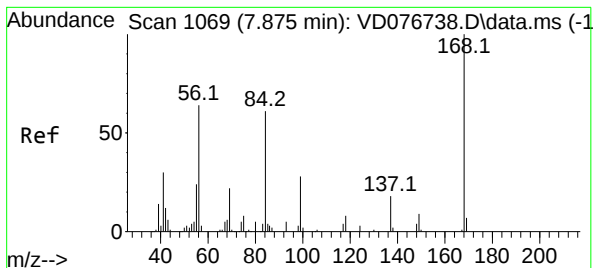
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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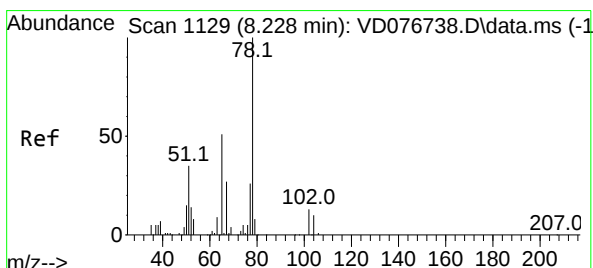
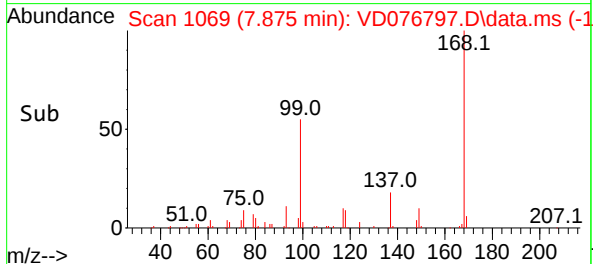
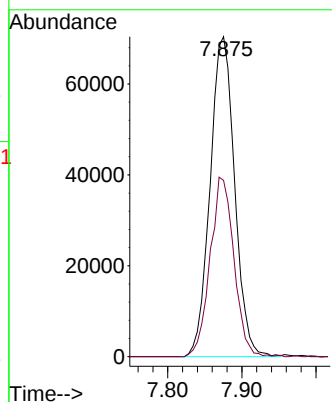
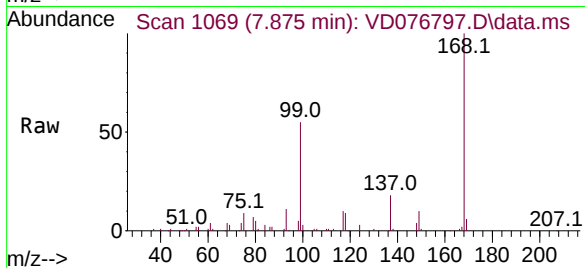




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

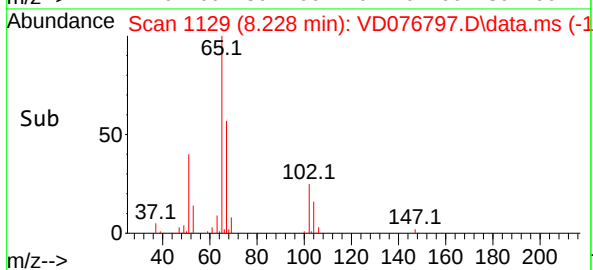
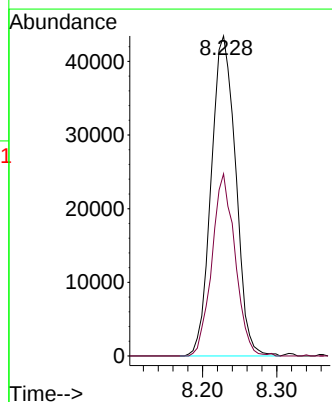
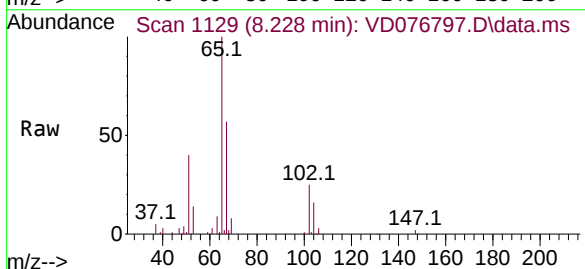
Instrument :
MSVOA_D
ClientSampleId :
RBR200018

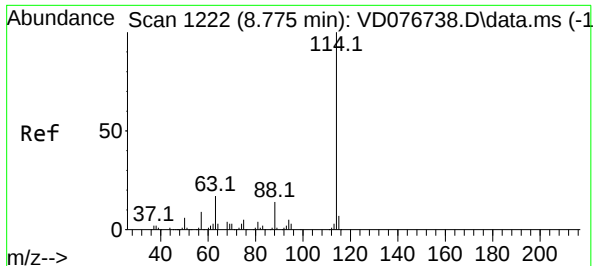
Tgt Ion:168 Resp: 162071
Ion Ratio Lower Upper
168 100
99 55.1 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 61.784 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 65 Resp: 99736
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076797.D

Acq: 19 Jul 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

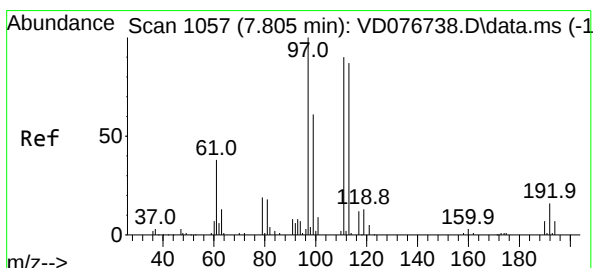
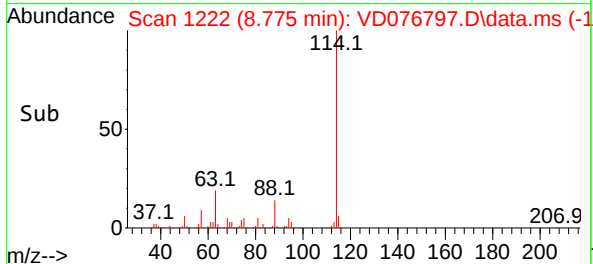
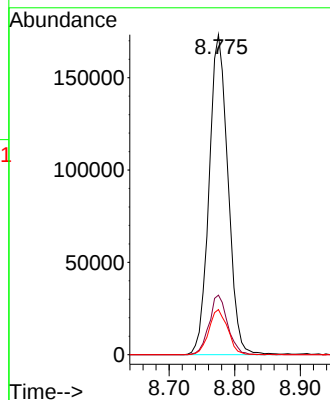
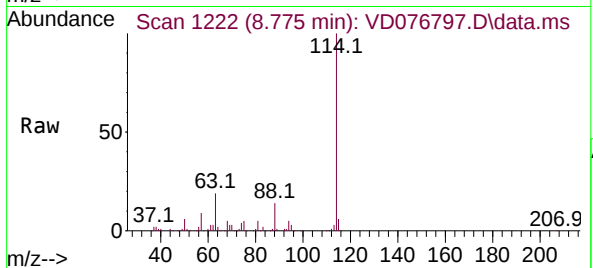
Tgt Ion:114 Resp: 346287

Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.379 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076797.D

Acq: 19 Jul 2023 18:13

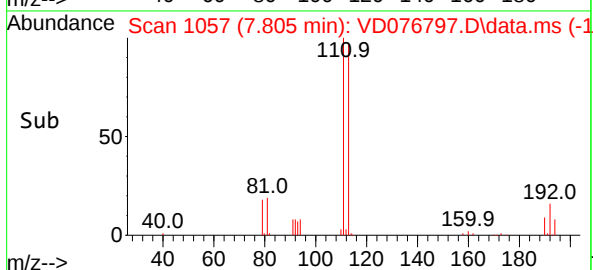
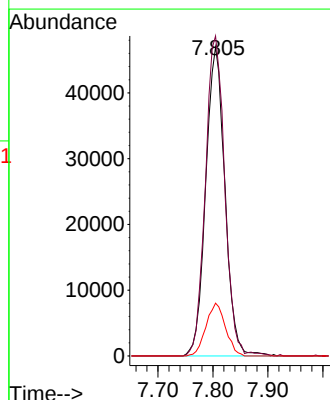
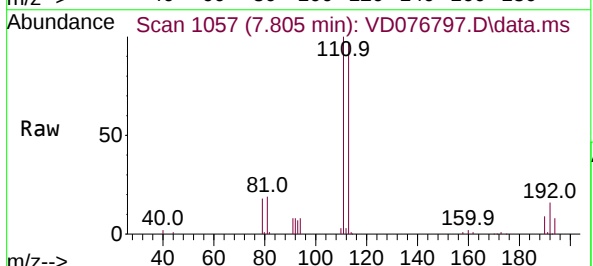
Tgt Ion:113 Resp: 113981

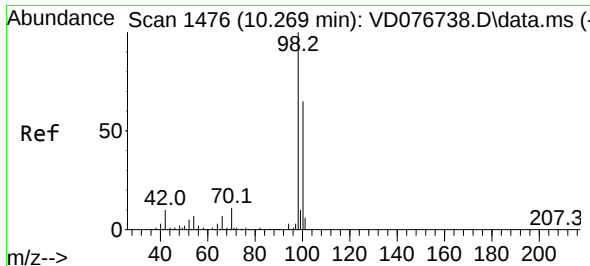
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 17.3 16.8 25.2

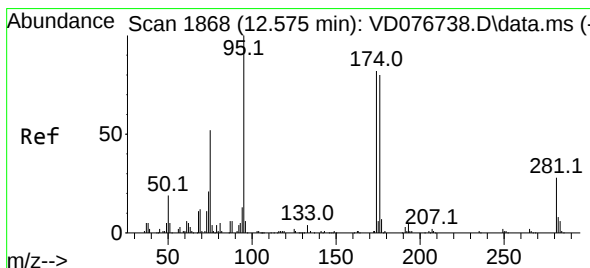
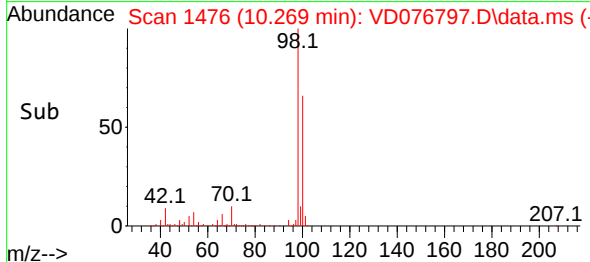
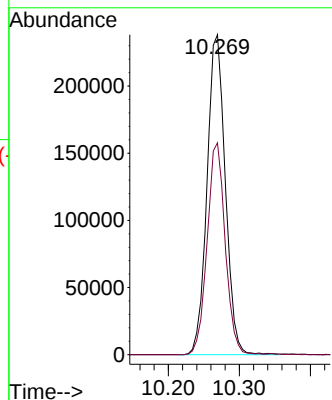
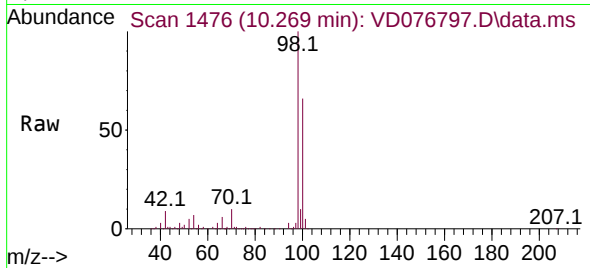




#50
Toluene-d8
Concen: 54.750 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

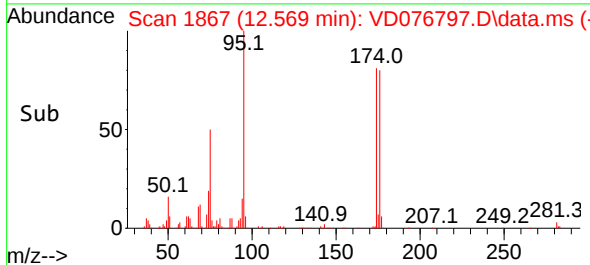
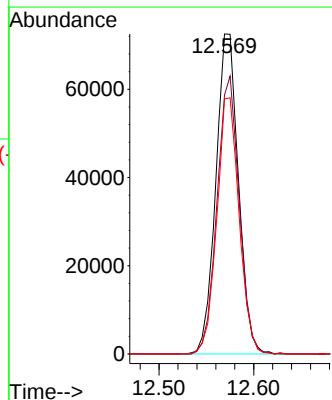
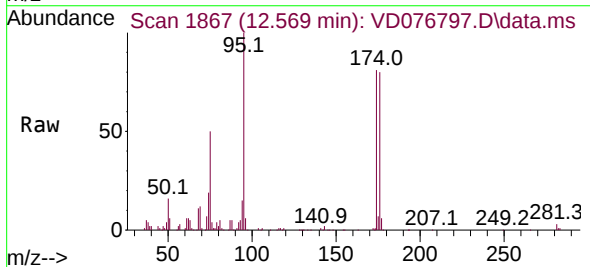
Instrument :
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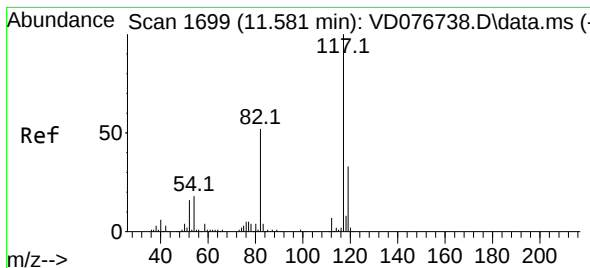
Tgt Ion: 98 Resp: 426216
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.746 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 95 Resp: 120241
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 78.9 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: VD076797.D

Acq: 19 Jul 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

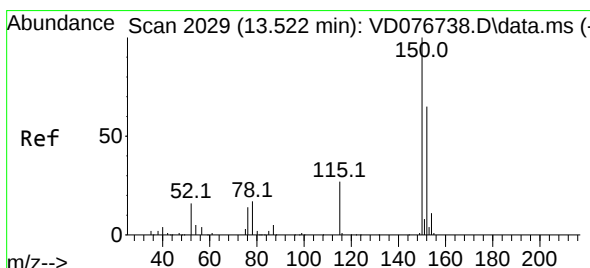
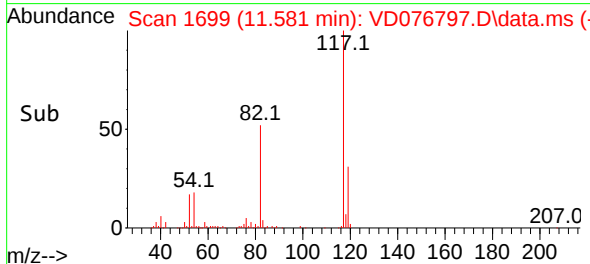
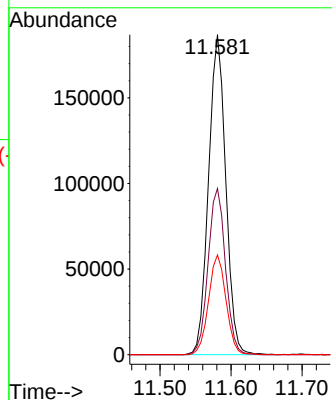
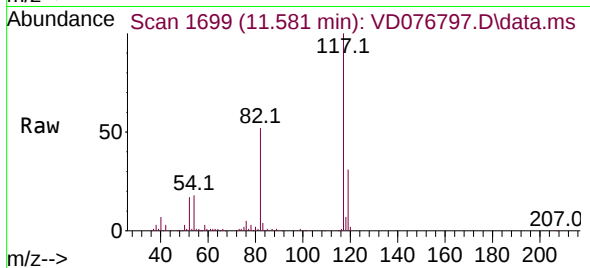
Tgt Ion:117 Resp: 314581

Ion Ratio Lower Upper

117 100

82 51.9 38.3 57.5

119 31.2 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: VD076797.D

Acq: 19 Jul 2023 18:13

Tgt Ion:152 Resp: 134745

Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

150 155.4 0.0 353.6

