

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076778.D
 Acq On : 18 Jul 2023 15:17
 Operator : KP/SY
 Sample : 03639-01
 Misc : 4.55G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3

Quant Time: Jul 19 06:44:03 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	149881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	347660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138284	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97576	65.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.720%
35) Dibromofluoromethane	7.810	113	118136	54.074	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.140%
50) Toluene-d8	10.269	98	436822	55.891	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.780%
62) 4-Bromofluorobenzene	12.575	95	125940	49.811	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.620%

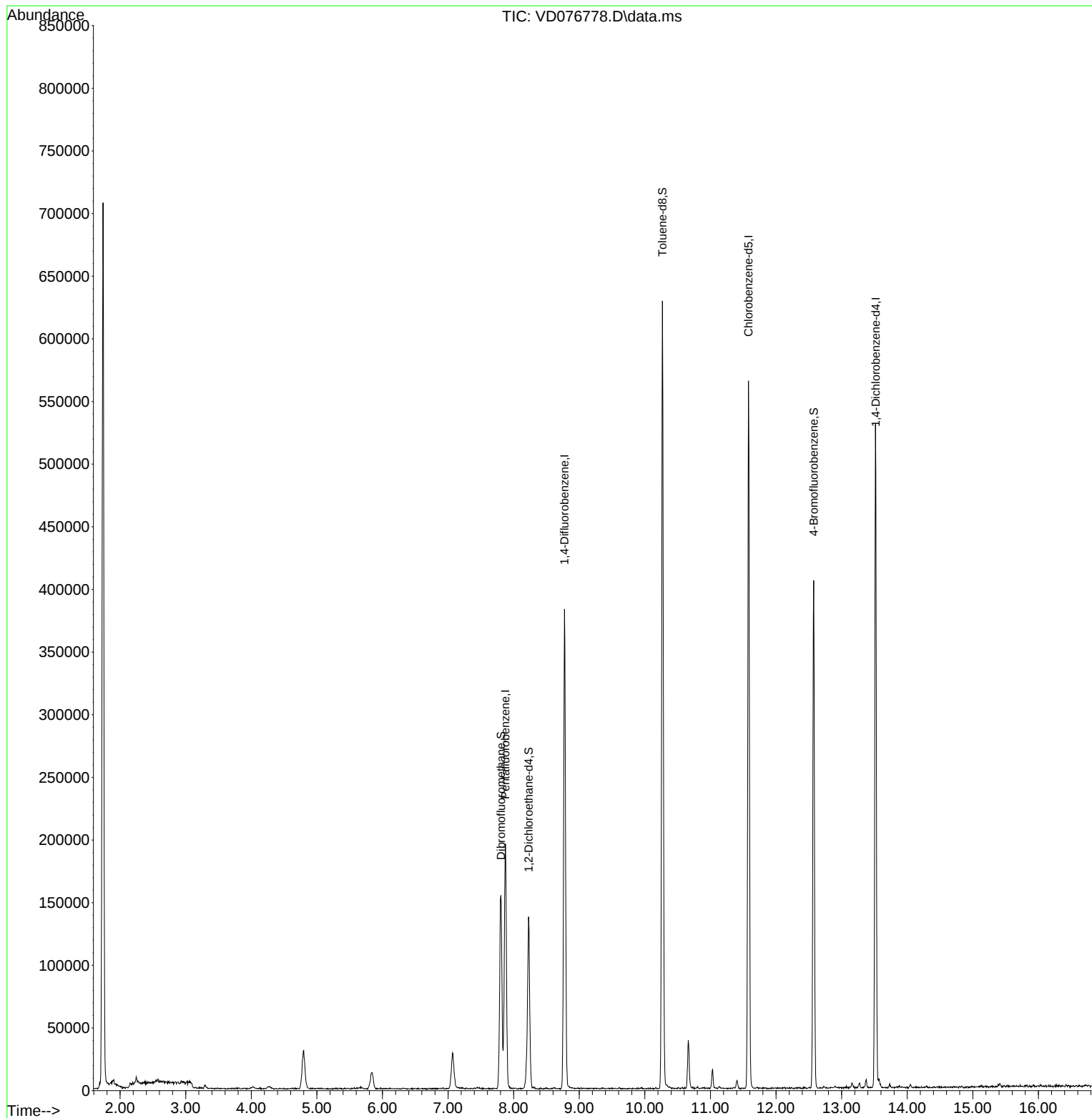
Target Compounds	Qvalue

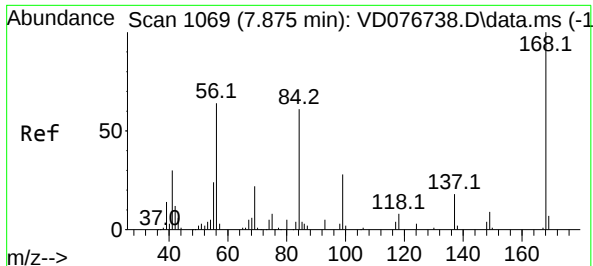
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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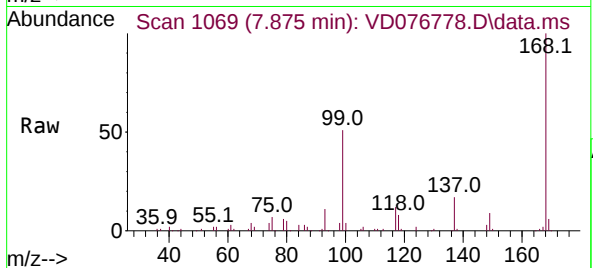
Quant Time: Jul 19 06:44:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
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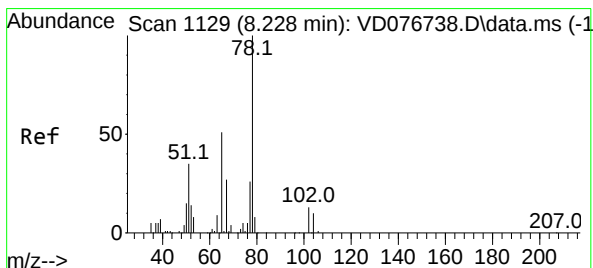
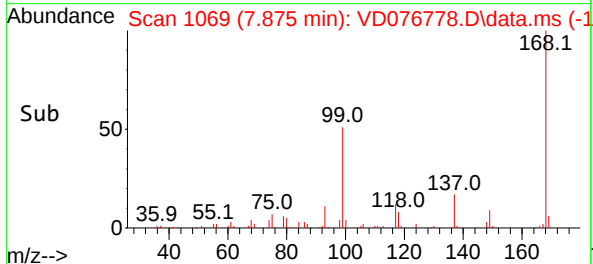
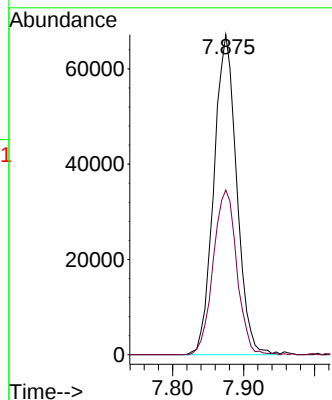


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Instrument :
MSVOA_D
ClientSampleId :
TP3

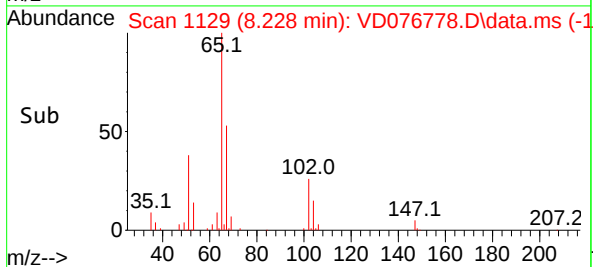
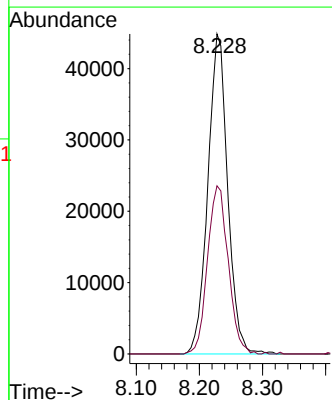
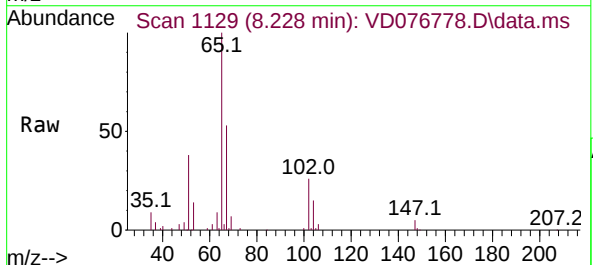


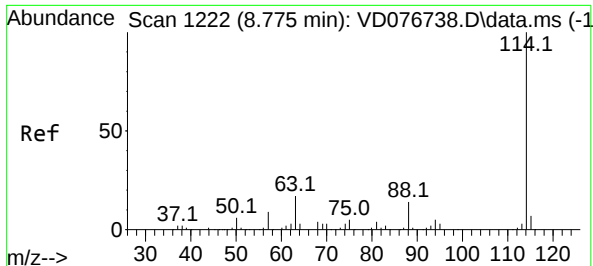
Tgt Ion:168 Resp: 149881
Ion Ratio Lower Upper
168 100
99 51.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 65.362 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 65 Resp: 97576
Ion Ratio Lower Upper
65 100
67 55.0 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: VD076778.D

Acq: 18 Jul 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

TP3

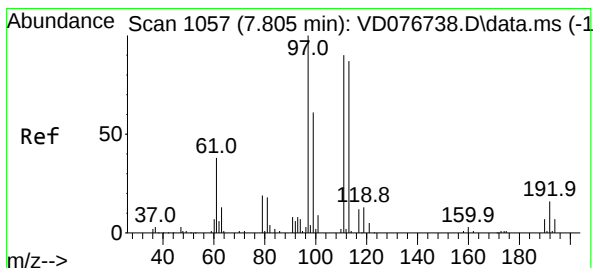
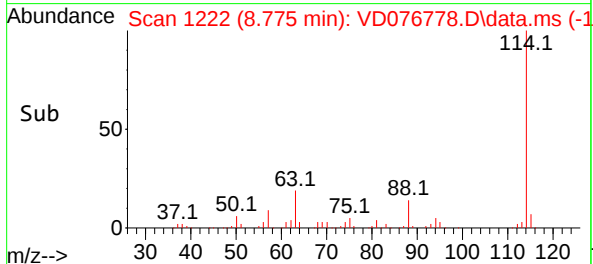
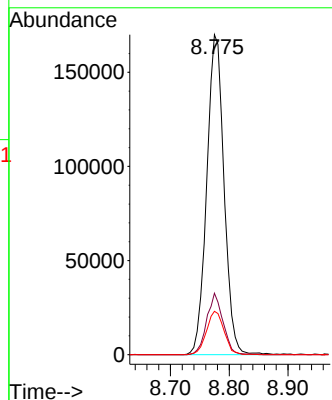
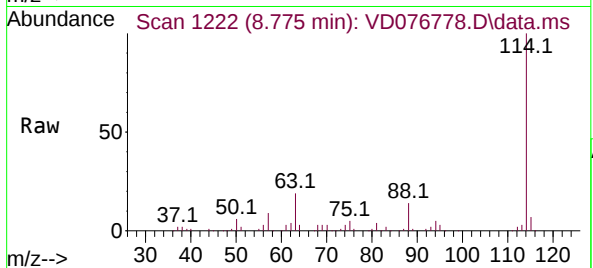
Tgt Ion:114 Resp: 347660

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.074 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

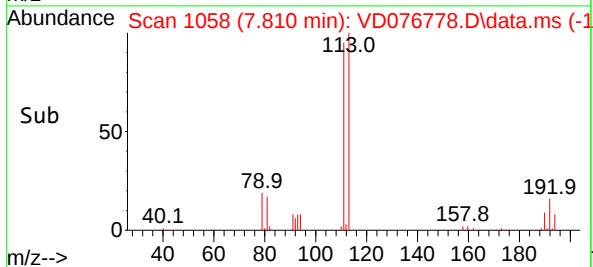
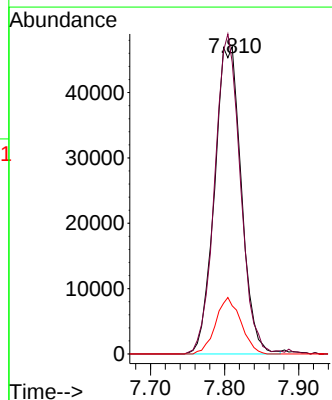
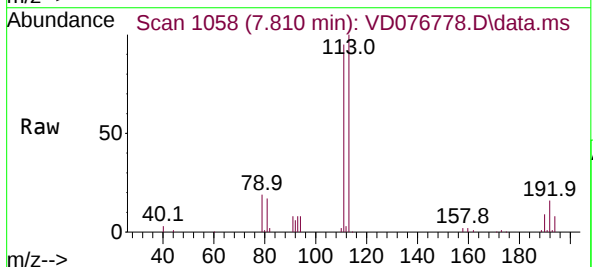
Tgt Ion:113 Resp: 118136

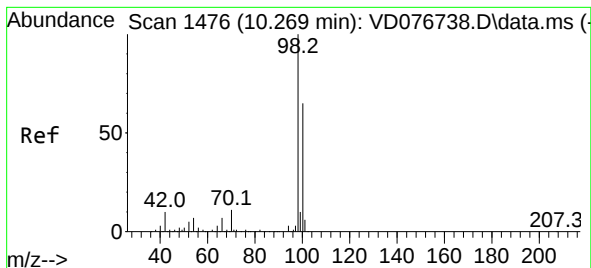
Ion Ratio Lower Upper

113 100

111 99.5 84.7 127.1

192 17.3 16.8 25.2

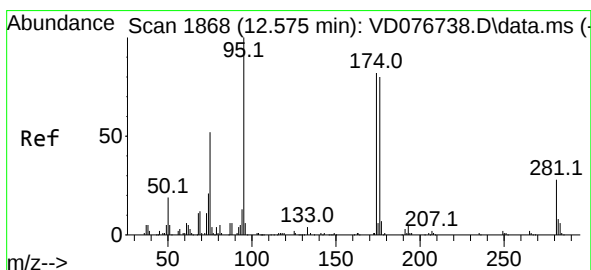
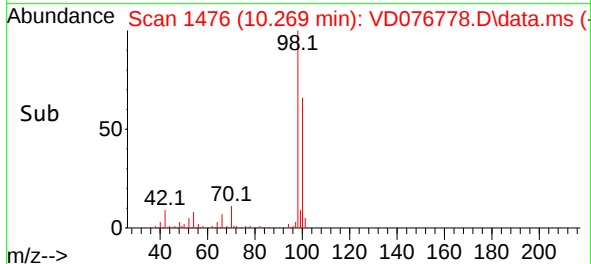
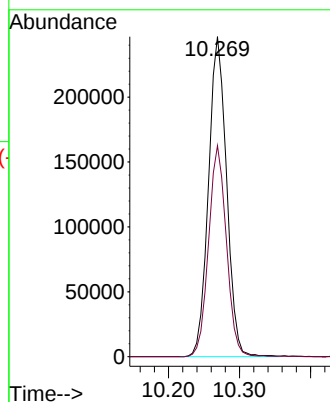
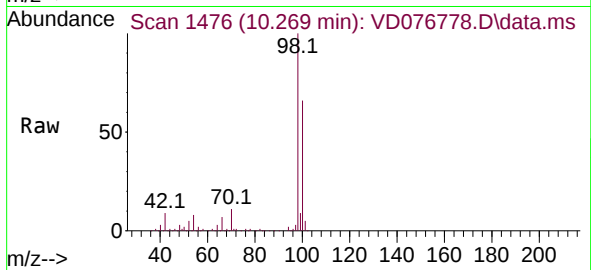




#50
Toluene-d8
Concen: 55.891 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

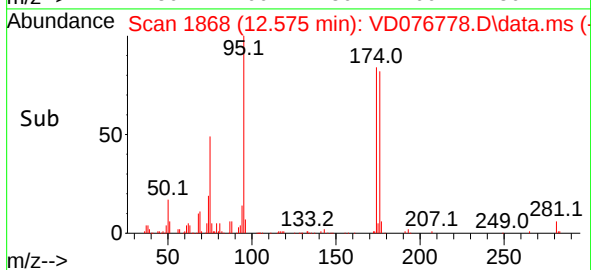
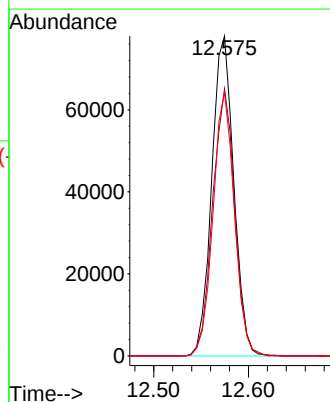
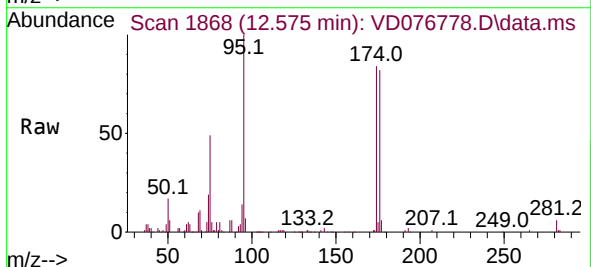
Instrument :
MSVOA_D
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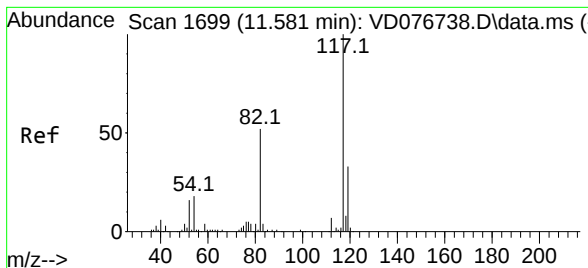
Tgt Ion: 98 Resp: 436822
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.811 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 95 Resp: 125940
Ion Ratio Lower Upper
95 100
174 83.7 0.0 201.8
176 80.1 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: VD076778.D

Acq: 18 Jul 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

TP3

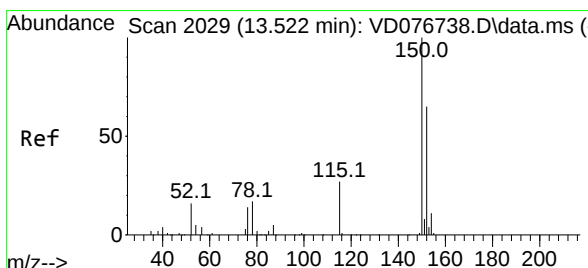
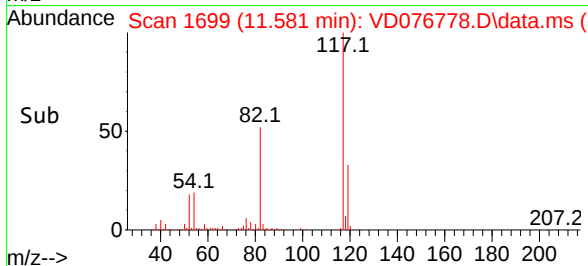
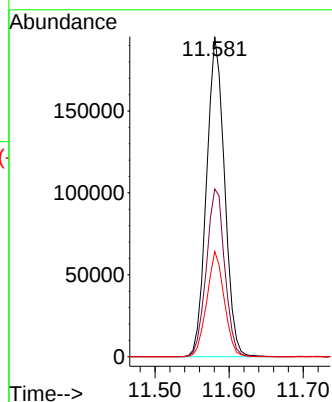
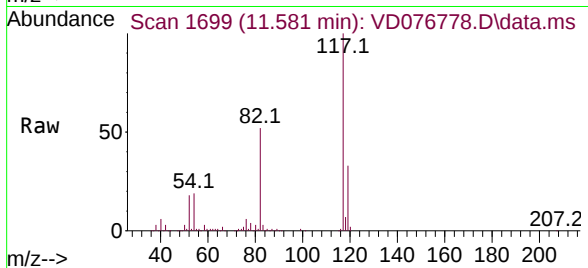
Tgt Ion:117 Resp: 328580

Ion Ratio Lower Upper

117 100

82 52.4 38.3 57.5

119 32.9 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

Tgt Ion:152 Resp: 138284

Ion Ratio Lower Upper

152 100

115 59.1 27.1 81.3

150 157.5 0.0 353.6

