

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077828.D
 Acq On : 11 Dec 2023 22:52
 Operator : JC/SY
 Sample : 05740-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251686

Quant Time: Dec 12 01:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	170599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	361632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	353082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	162556	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94562	47.040	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.080%
35) Dibromofluoromethane	7.811	113	113683	44.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.760%
50) Toluene-d8	10.269	98	474137	46.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.575	95	139036	45.838	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.680%

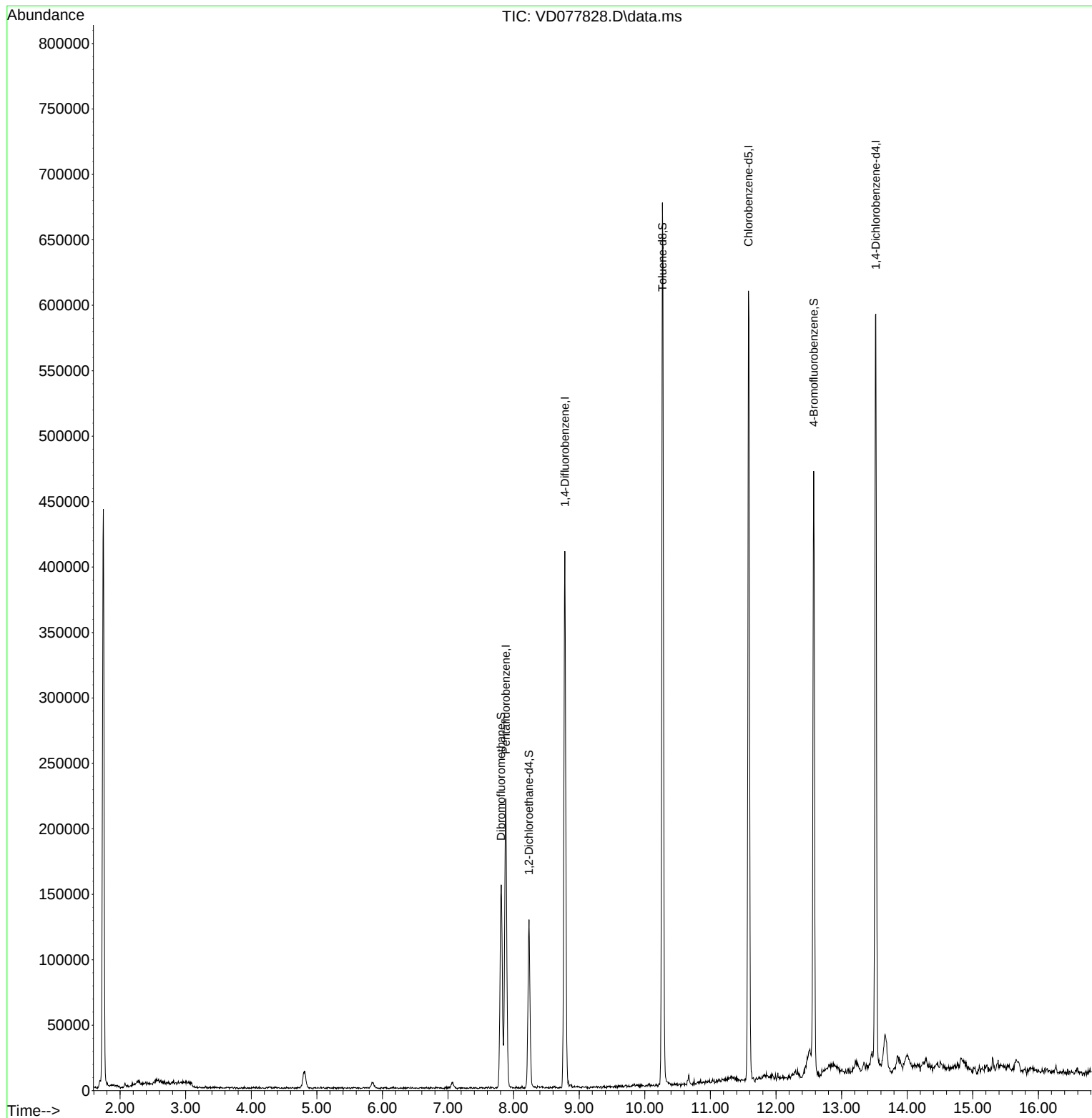
Target Compounds	Qvalue

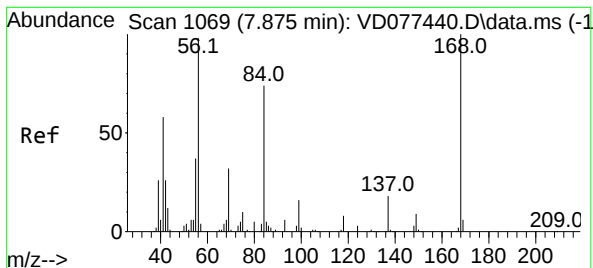
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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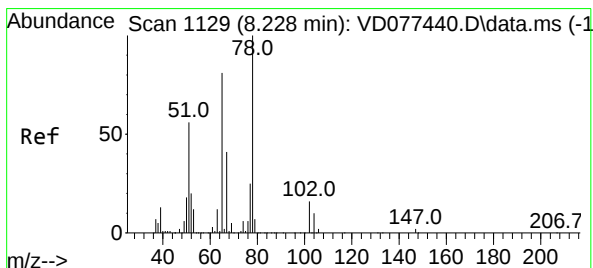
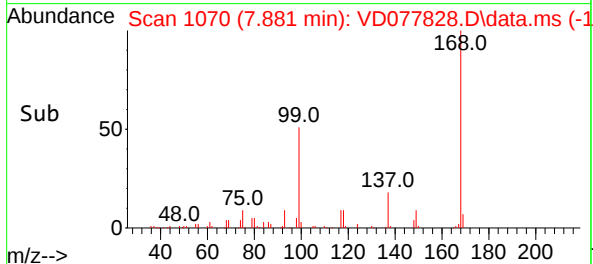
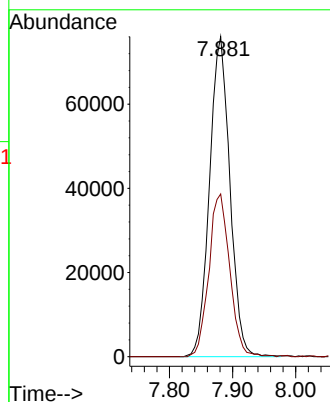
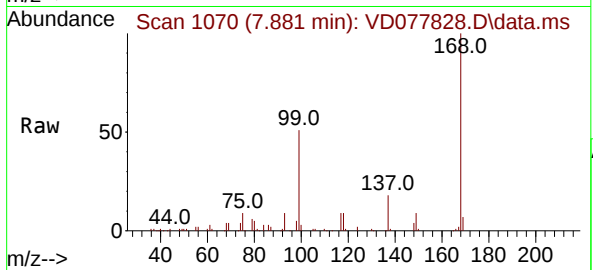




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

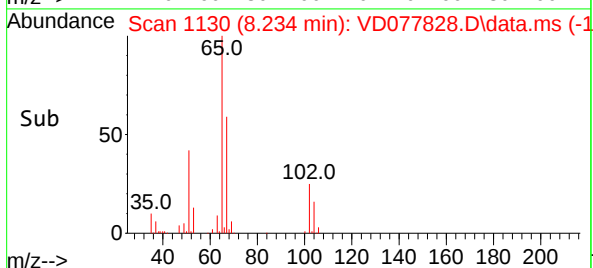
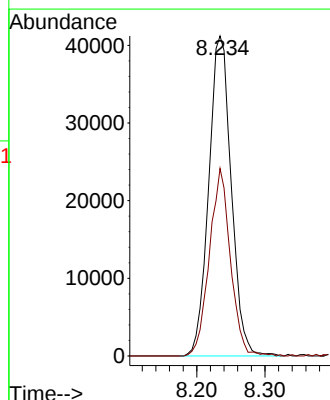
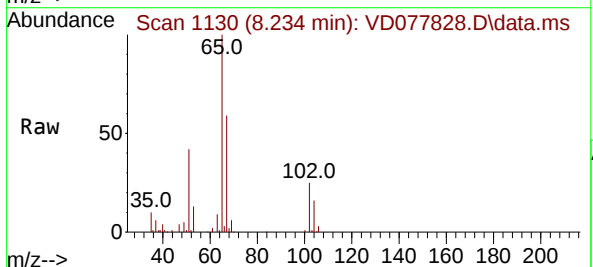
Instrument :
MSVOA_D
ClientSampleId :
RBR-251686

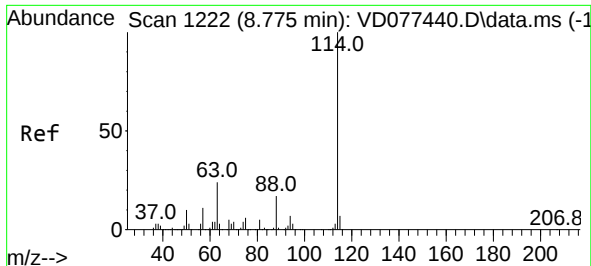
Tgt Ion:168 Resp: 170599
Ion Ratio Lower Upper
168 100
99 50.8 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 47.040 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Tgt Ion: 65 Resp: 94562
Ion Ratio Lower Upper
65 100
67 54.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

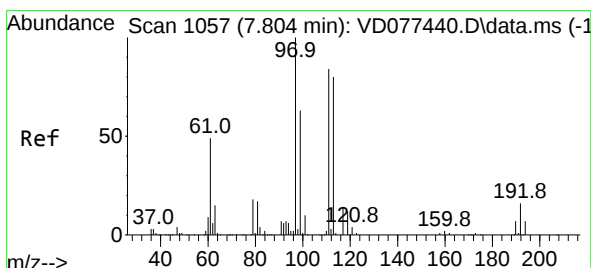
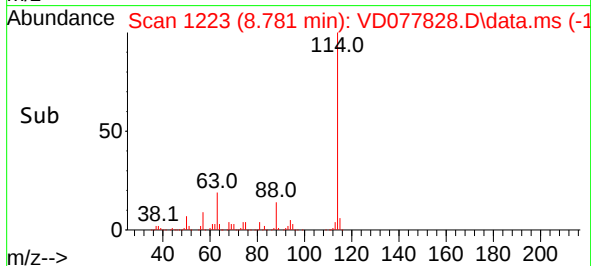
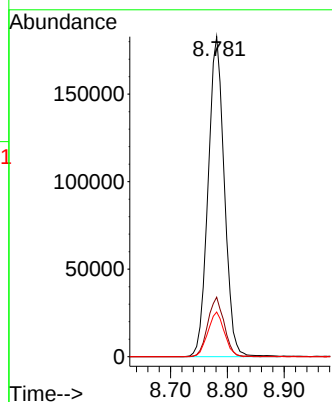
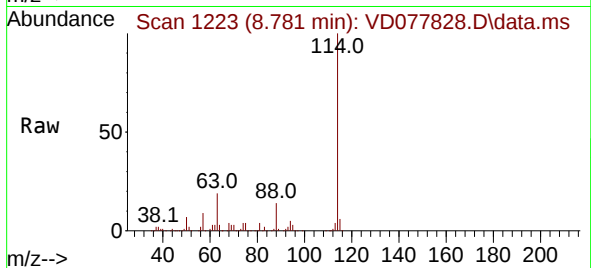
Tgt Ion:114 Resp: 361632

Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.879 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

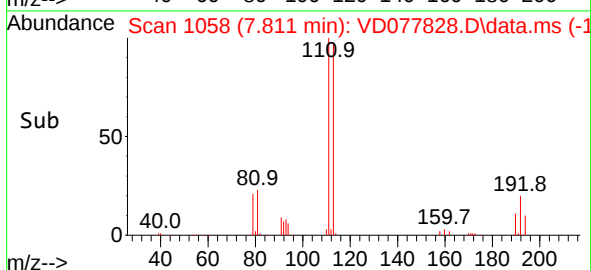
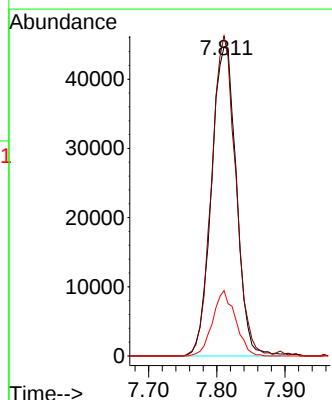
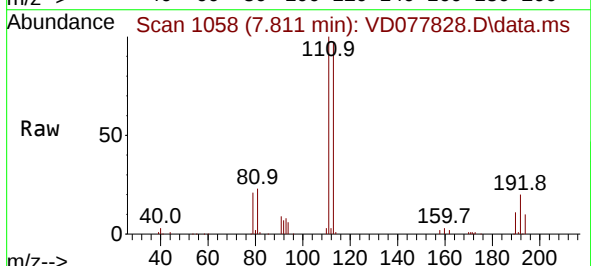
Tgt Ion:113 Resp: 113683

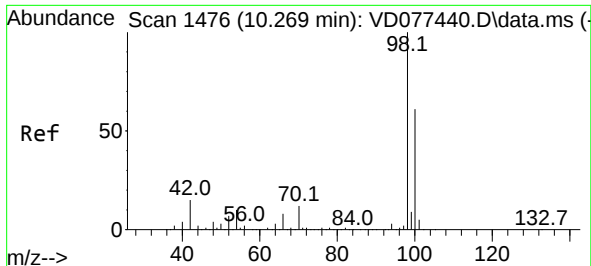
Ion Ratio Lower Upper

113 100

111 100.2 84.7 127.1

192 19.4 16.8 25.2

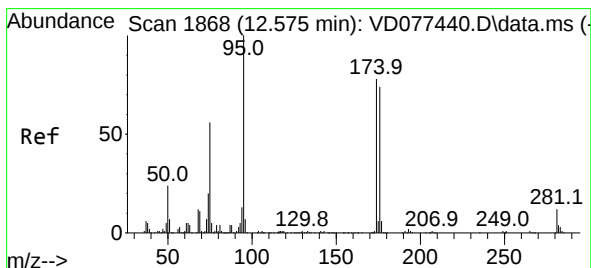
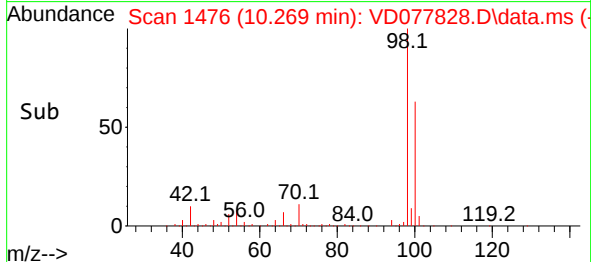
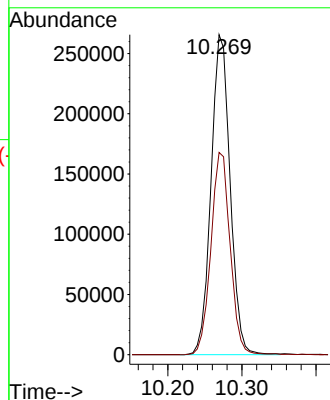
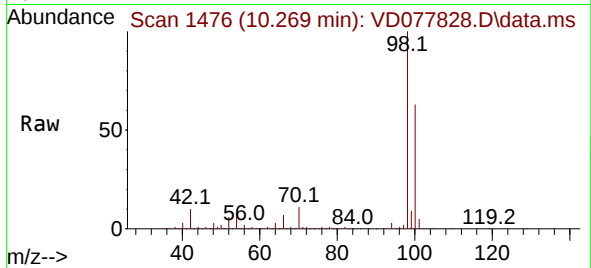




#50
Toluene-d8
Concen: 46.734 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

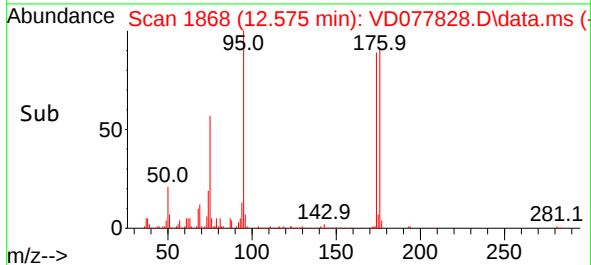
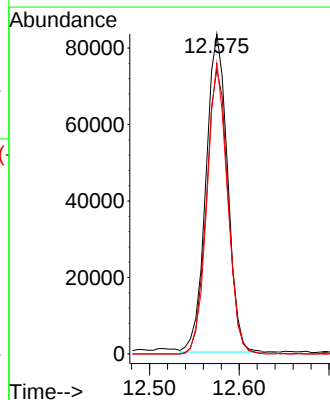
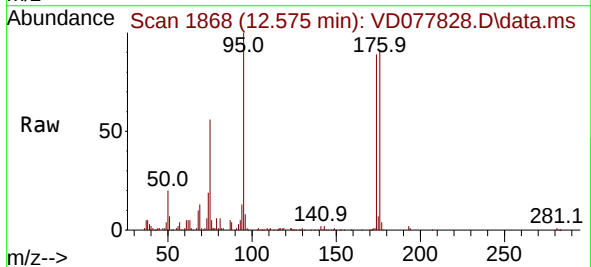
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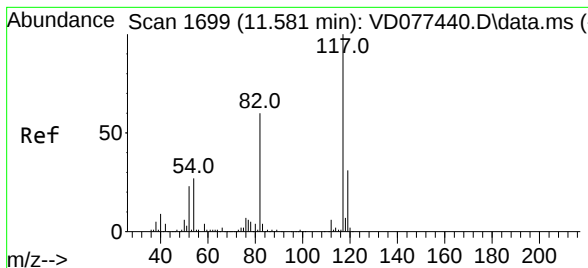
Tgt Ion: 98 Resp: 474137
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.838 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077828.D
Acq: 11 Dec 2023 22:52

Tgt Ion: 95 Resp: 139036
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 86.6 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: VD077828.D

Acq: 11 Dec 2023 22:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-251686

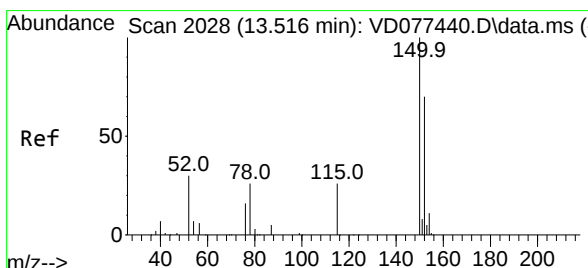
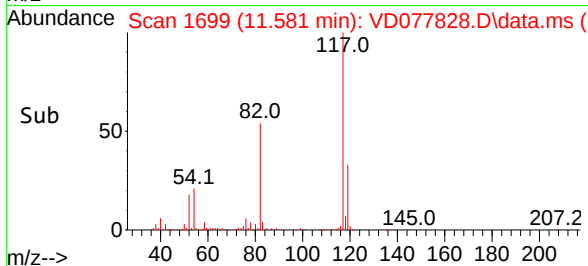
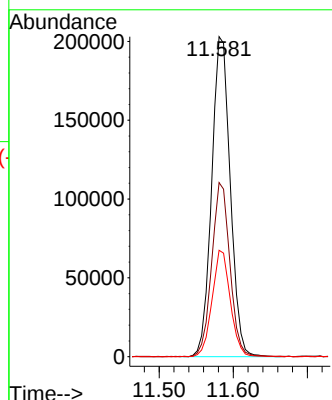
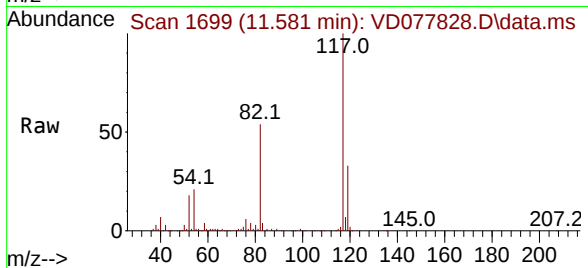
Tgt Ion:117 Resp: 353082

Ion Ratio Lower Upper

117 100

82 54.3 38.3 57.5

119 33.3 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077828.D

Acq: 11 Dec 2023 22:52

Tgt Ion:152 Resp: 162556

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 156.8 0.0 353.6

