

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076217.D
 Acq On : 24 May 2023 16:39
 Operator : KP/SY
 Sample : 02892-07
 Misc : 5.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-33

Quant Time: May 25 06:02:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	427194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	910171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	824142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	377202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	174842	42.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.700%
35) Dibromofluoromethane	7.799	113	260351	41.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.760%
50) Toluene-d8	10.269	98	766349	31.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	62.500%
62) 4-Bromofluorobenzene	12.575	95	301626	44.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.540%

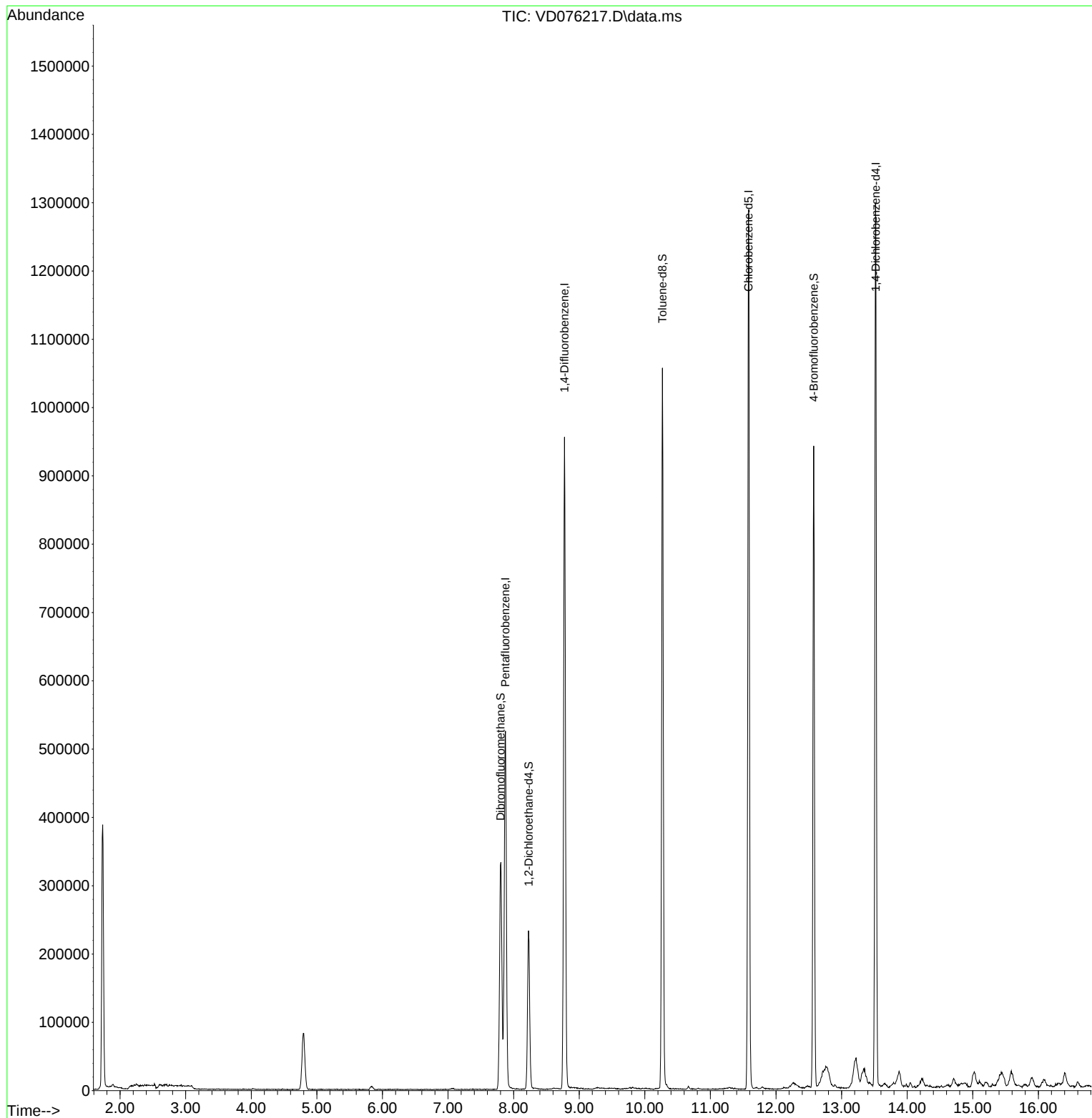
Target Compounds	Qvalue

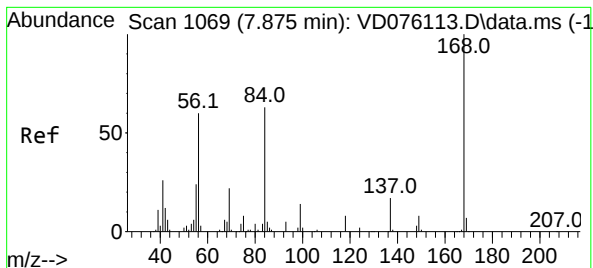
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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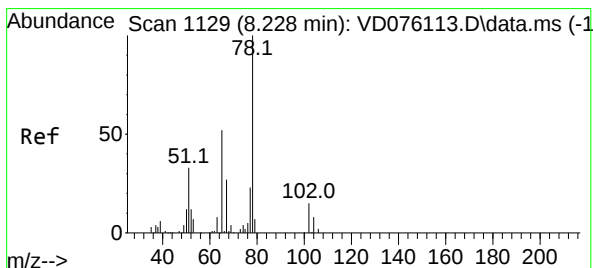
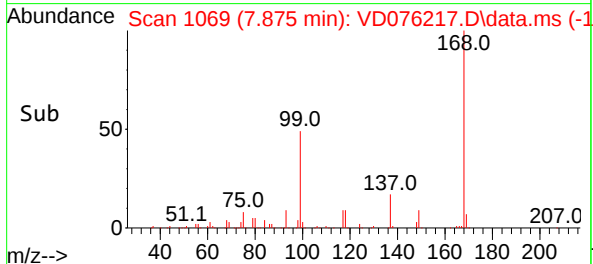
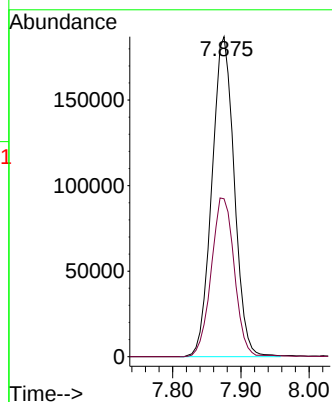
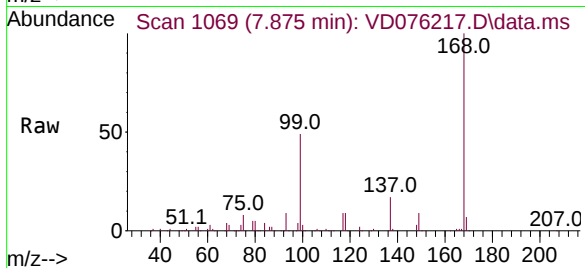




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

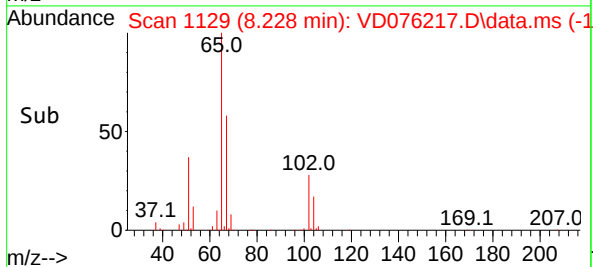
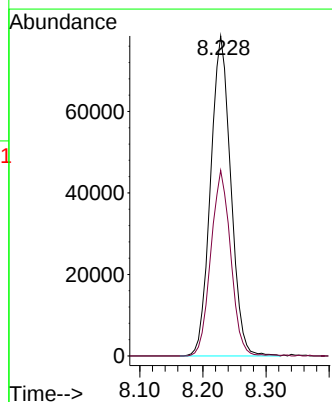
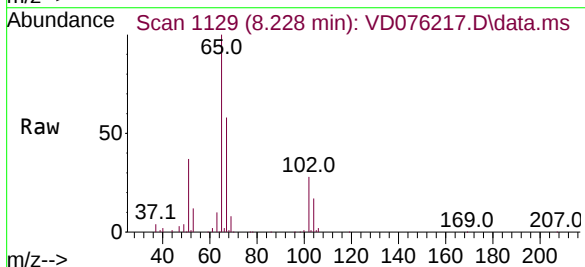
Instrument :
MSVOA_D
ClientSampleId :
TP-33

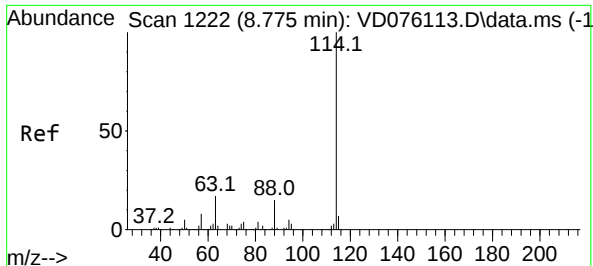
Tgt Ion:168 Resp: 427194
Ion Ratio Lower Upper
168 100
99 49.3 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 42.348 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 65 Resp: 174842
Ion Ratio Lower Upper
65 100
67 57.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076217.D

Acq: 24 May 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

TP-33

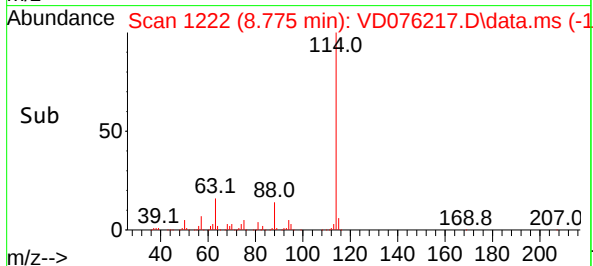
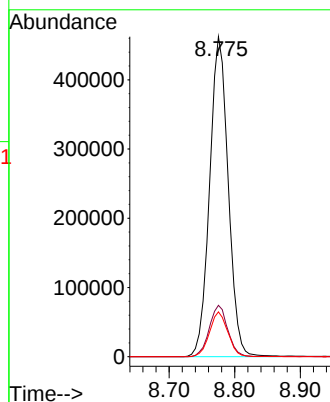
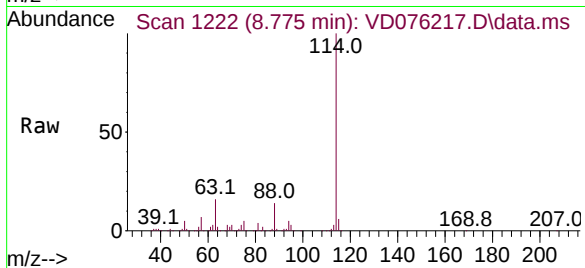
Tgt Ion:114 Resp: 910171

Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 41.383 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076217.D

Acq: 24 May 2023 16:39

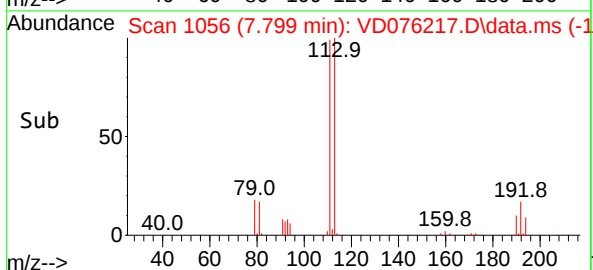
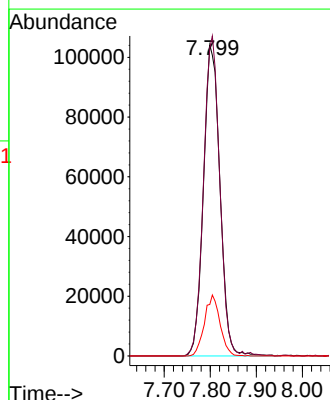
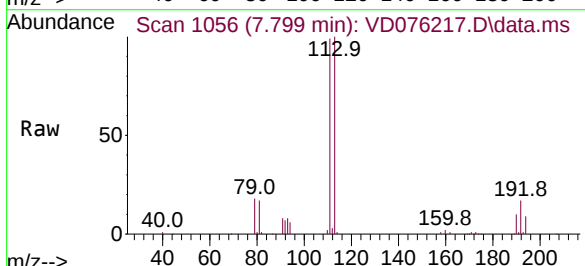
Tgt Ion:113 Resp: 260351

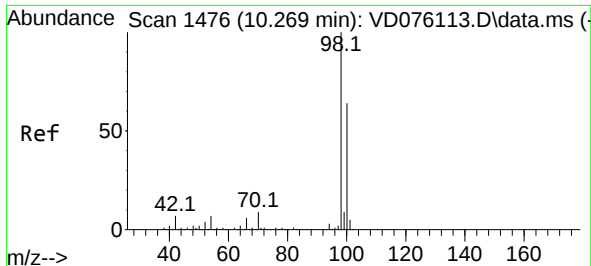
Ion Ratio Lower Upper

113 100

111 100.5 81.4 122.0

192 18.5 15.2 22.8

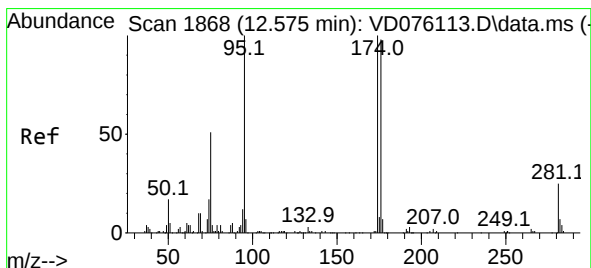
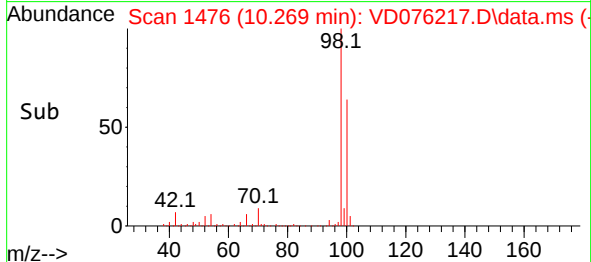
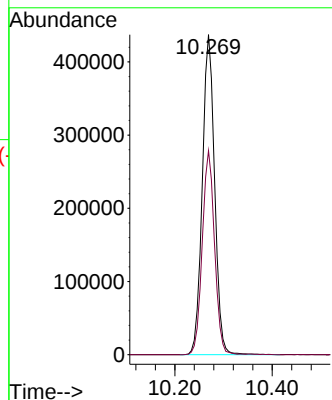
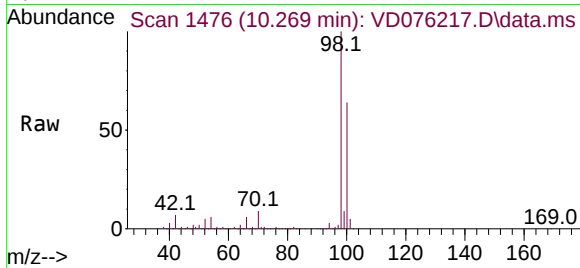




#50
Toluene-d8
Concen: 31.248 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

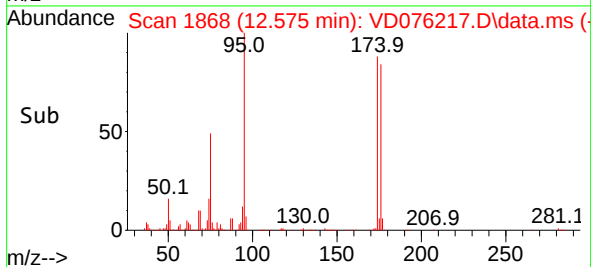
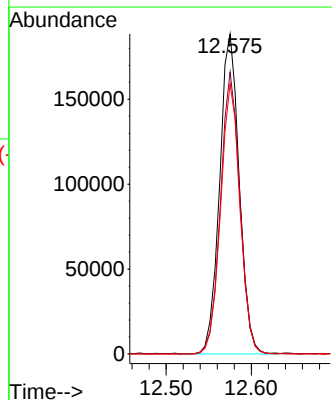
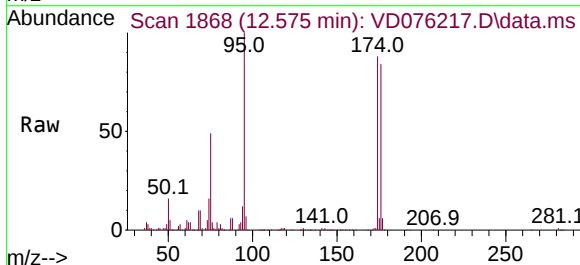
Instrument :
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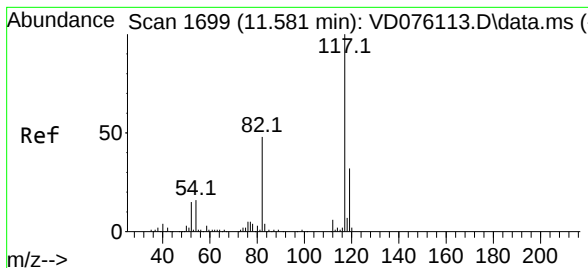
Tgt Ion: 98 Resp: 766349
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.274 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 95 Resp: 301626
Ion Ratio Lower Upper
95 100
174 86.8 0.0 164.0
176 83.3 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076217.D

Acq: 24 May 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

TP-33

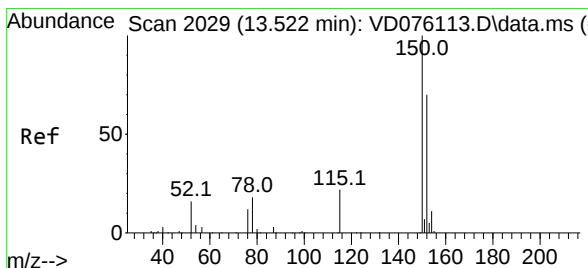
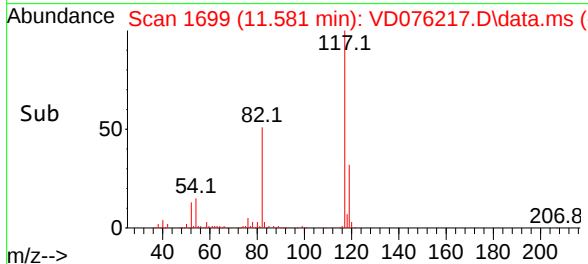
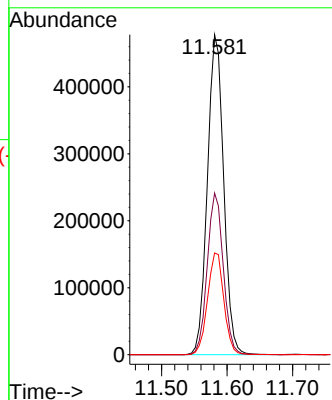
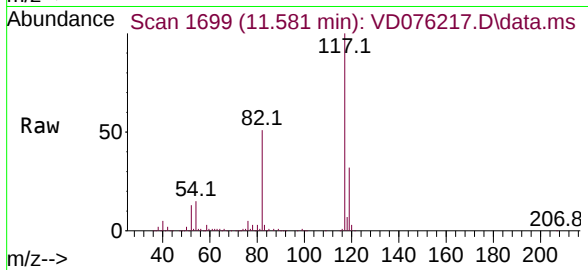
Tgt Ion:117 Resp: 824142

Ion Ratio Lower Upper

117 100

82 50.5 44.0 66.0

119 31.8 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD076217.D

Acq: 24 May 2023 16:39

Tgt Ion:152 Resp: 377202

Ion Ratio Lower Upper

152 100

115 55.8 30.1 90.3

150 157.5 0.0 364.8

