

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077164.D
 Acq On : 20 Sep 2023 13:57
 Operator : JC/SY
 Sample : 04493-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Sep 21 02:23:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	228884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	537497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	608453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	277160	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119467	51.719	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.440%
35) Dibromofluoromethane	7.805	113	173529	46.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.960%
50) Toluene-d8	10.269	98	692282	52.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.575	95	233106	56.596	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.200%

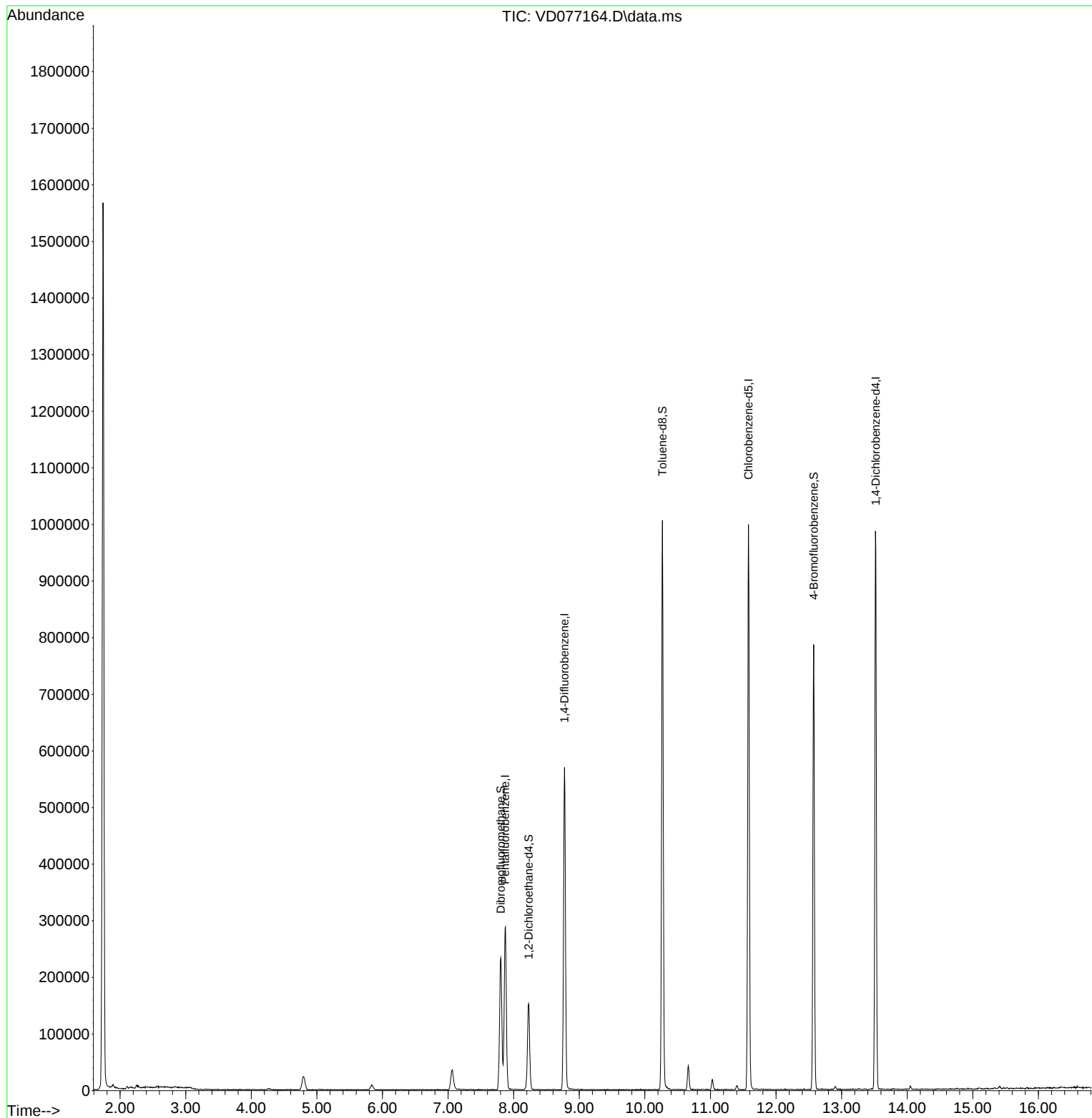
Target Compounds	Qvalue

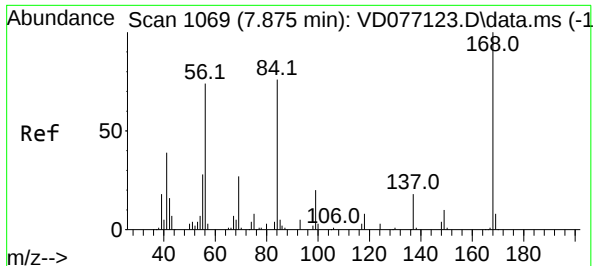
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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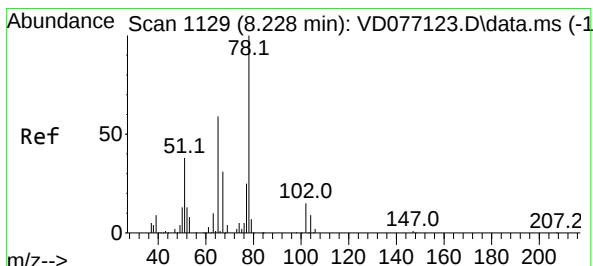
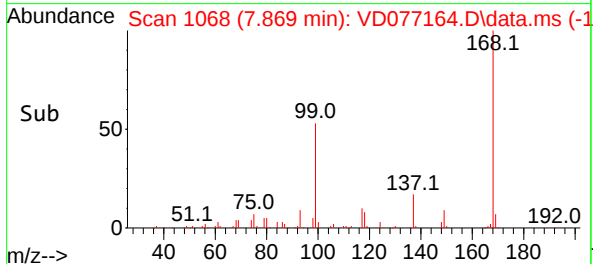
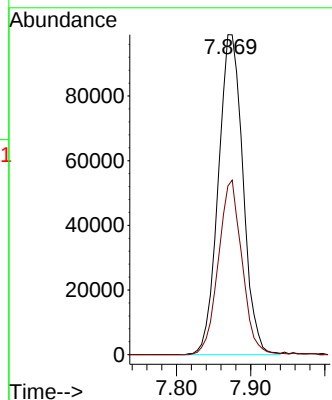
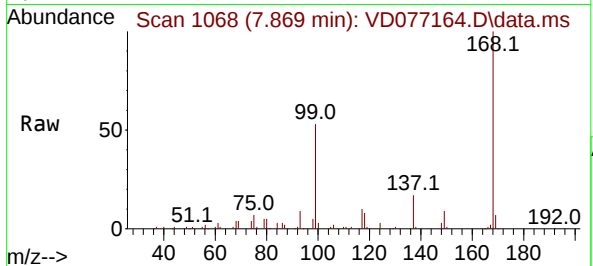




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

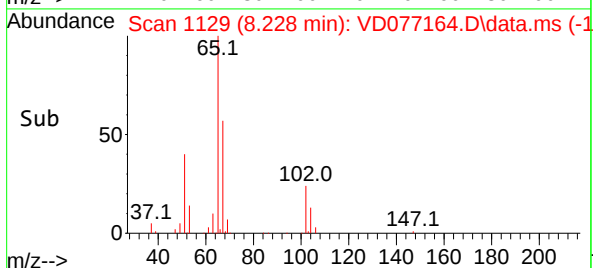
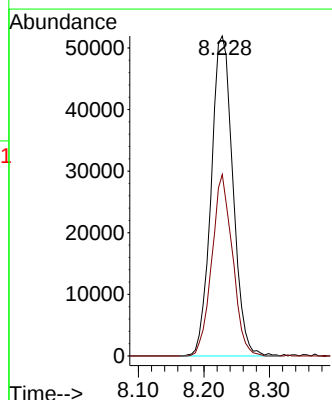
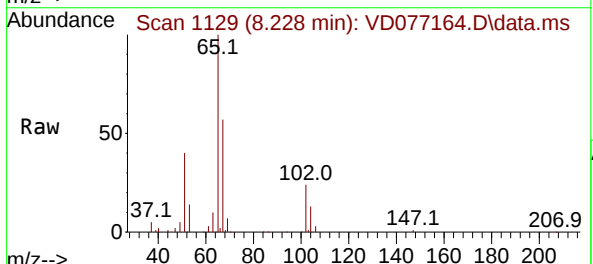
Instrument :
MSVOA_D
ClientSampleId :
WC-1

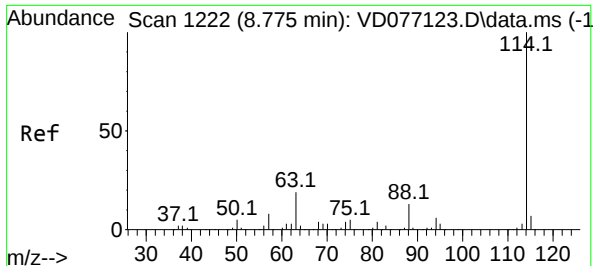
Tgt Ion:168 Resp: 228884
Ion Ratio Lower Upper
168 100
99 52.7 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 51.719 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

Tgt Ion: 65 Resp: 119467
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# 1

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

WC-1

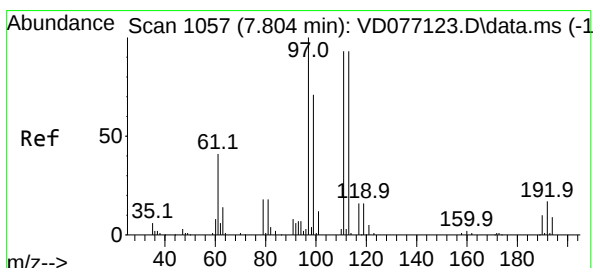
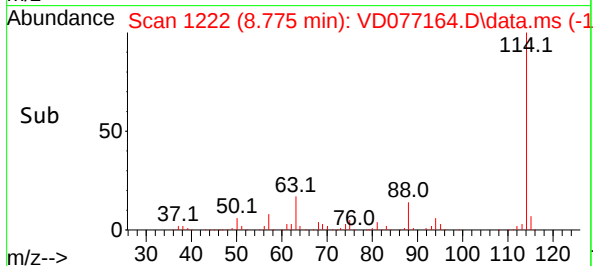
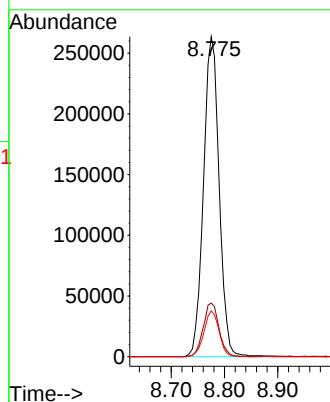
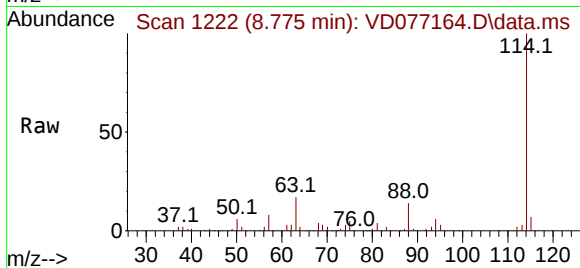
Tgt Ion:114 Resp: 537497

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.480 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

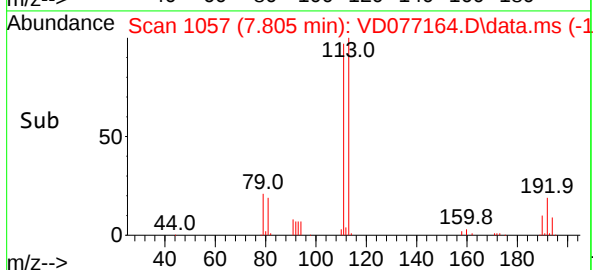
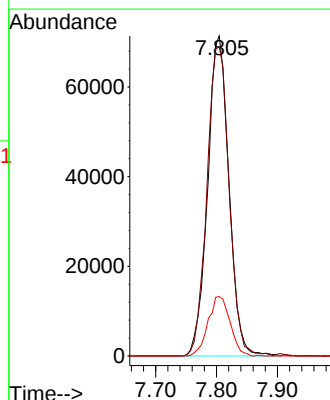
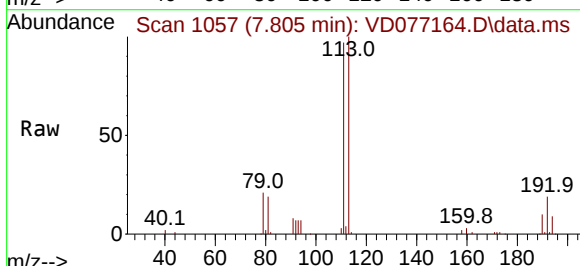
Tgt Ion:113 Resp: 173529

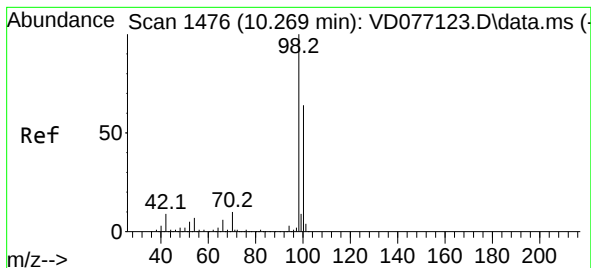
Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 19.2 16.8 25.2





#50

Toluene-d8

Concen: 52.095 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

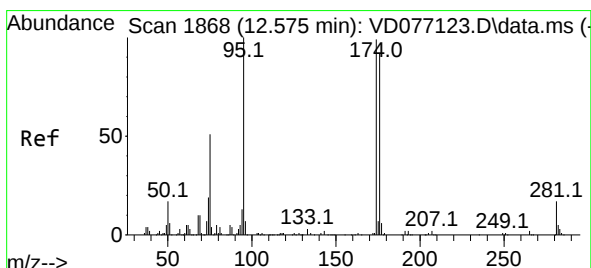
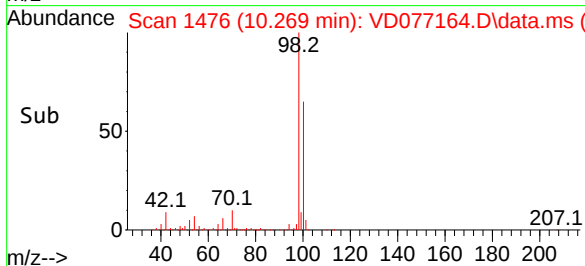
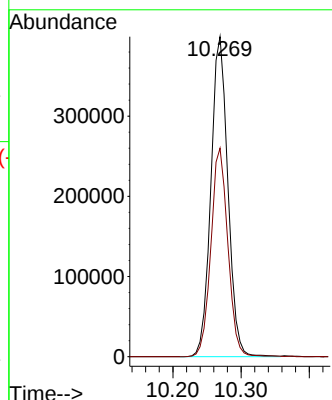
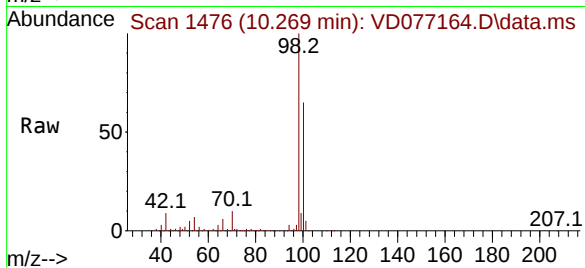
WC-1

Tgt Ion: 98 Resp: 692282

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 56.596 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

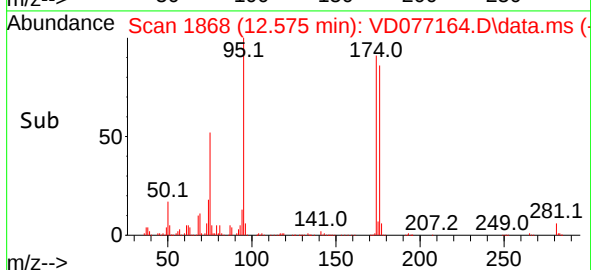
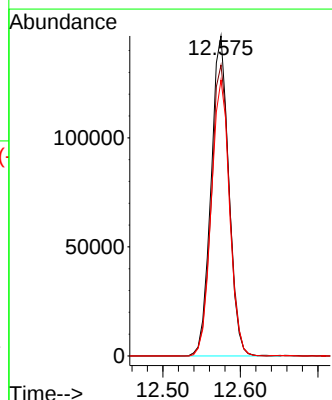
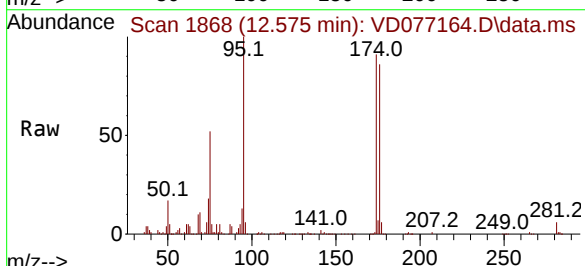
Tgt Ion: 95 Resp: 233106

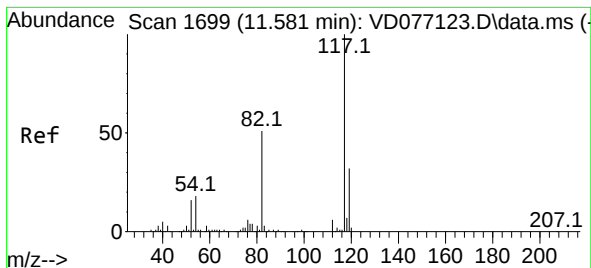
Ion Ratio Lower Upper

95 100

174 93.4 0.0 201.8

176 88.5 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: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

WC-1

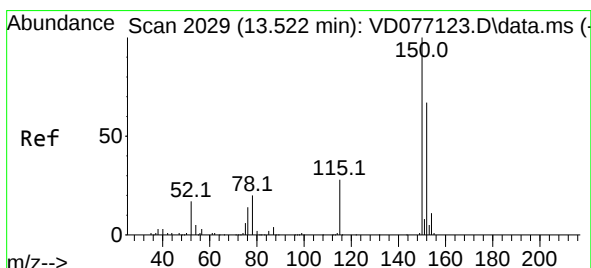
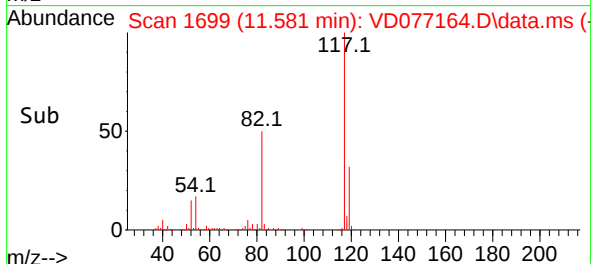
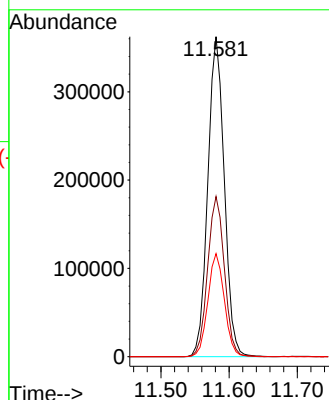
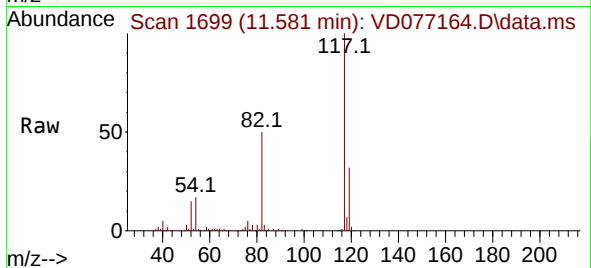
Tgt Ion:117 Resp: 608453

Ion Ratio Lower Upper

117 100

82 50.0 38.3 57.5

119 32.2 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: VD077164.D

Acq: 20 Sep 2023 13:57

Tgt Ion:152 Resp: 277160

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 155.8 0.0 353.6

