

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079580.D
 Acq On : 05 Aug 2024 14:59
 Operator : RP/MD
 Sample : P3463-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-082024

Quant Time: Aug 05 16:06:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	203444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	390533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	355198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	117337	56.772	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.540%
35) Dibromofluoromethane	7.805	113	544	0.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.420%#
50) Toluene-d8	10.269	98	446658	43.513	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.020%
62) 4-Bromofluorobenzene	12.569	95	121707	40.972	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.940%

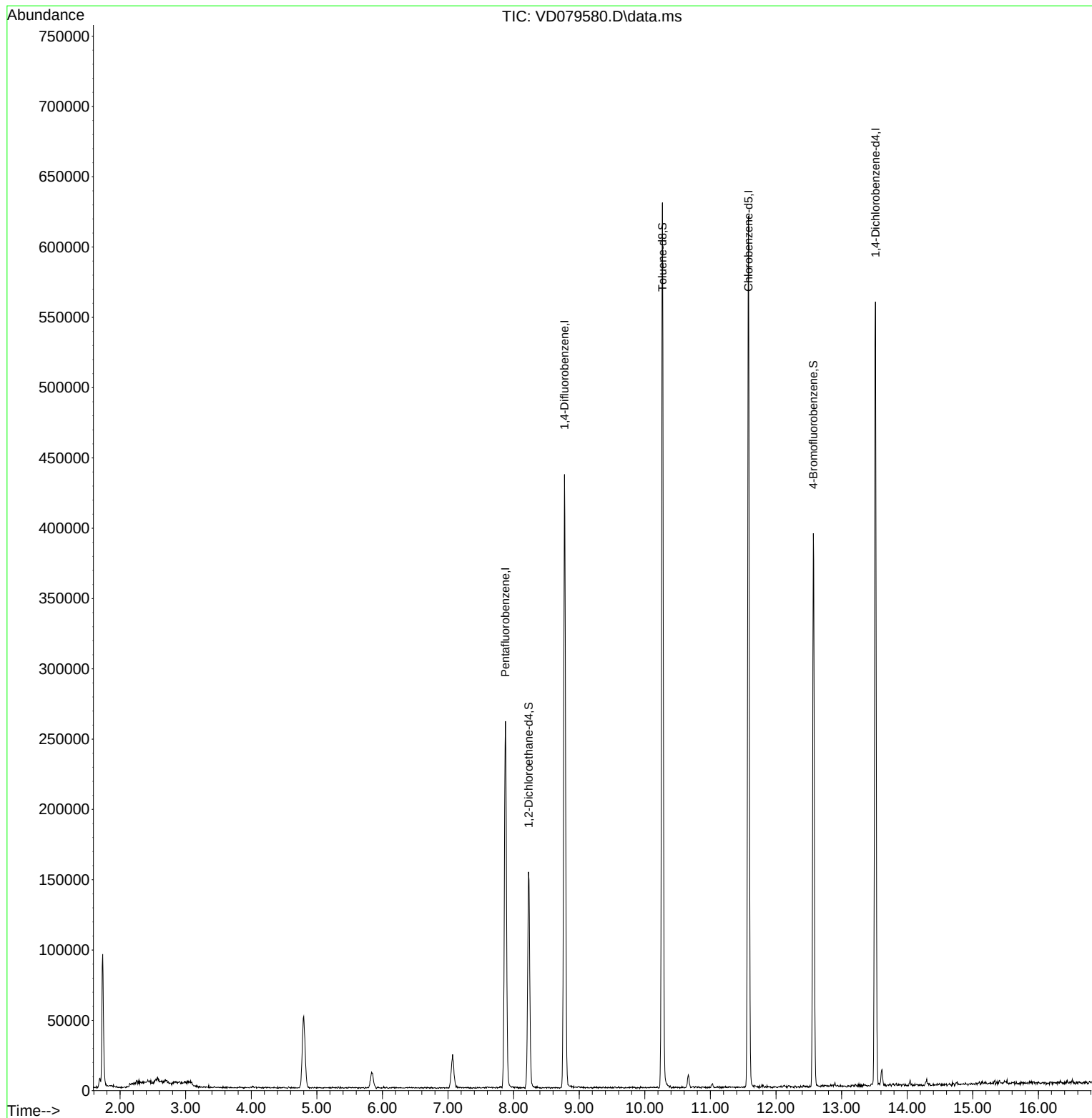
Target Compounds	Qvalue

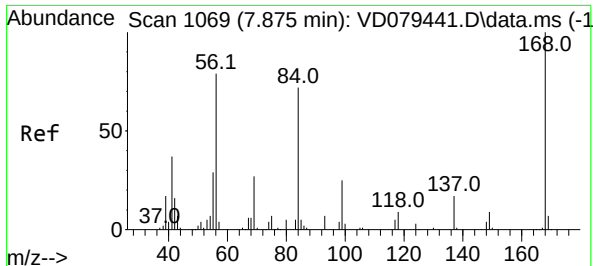
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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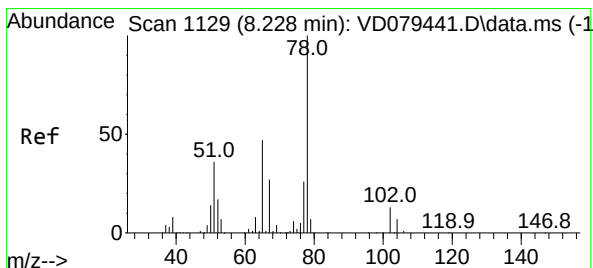
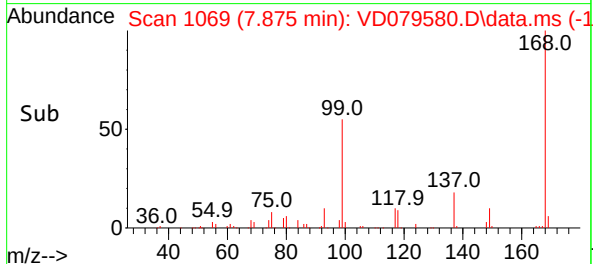
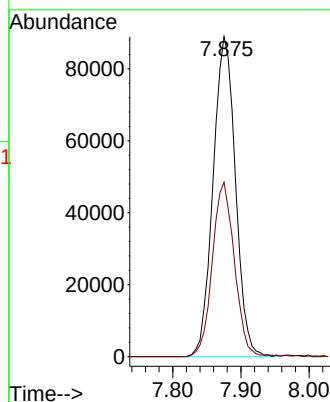
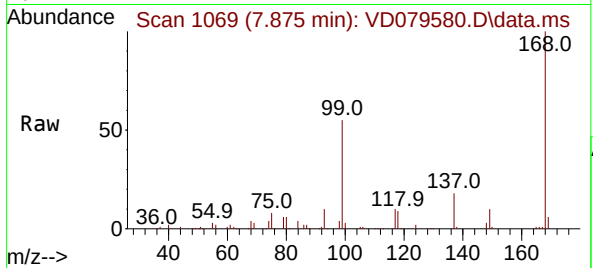




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079580.D
Acq: 05 Aug 2024 14:59

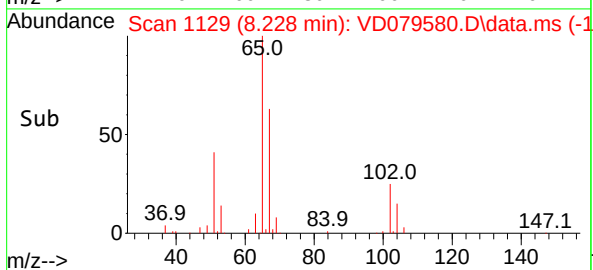
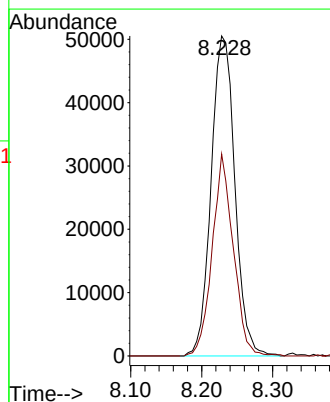
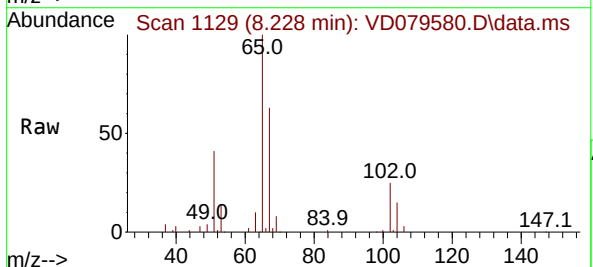
Instrument :
MSVOA_D
ClientSampleId :
TR-05-082024

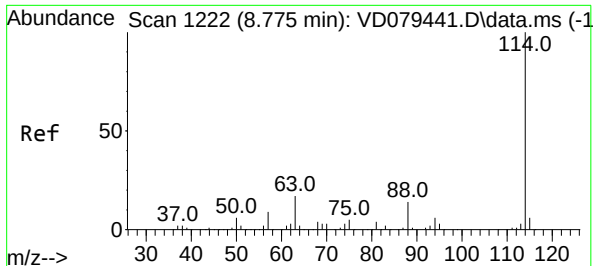
Tgt Ion:168 Resp: 203444
Ion Ratio Lower Upper
168 100
99 54.5 41.1 61.7



#33
1,2-Dichloroethane-d4
Concen: 56.772 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079580.D
Acq: 05 Aug 2024 14:59

Tgt Ion: 65 Resp: 117337
Ion Ratio Lower Upper
65 100
67 56.2 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079580.D

Acq: 05 Aug 2024 14:59

Instrument :

MSVOA_D

ClientSampleId :

TR-05-082024

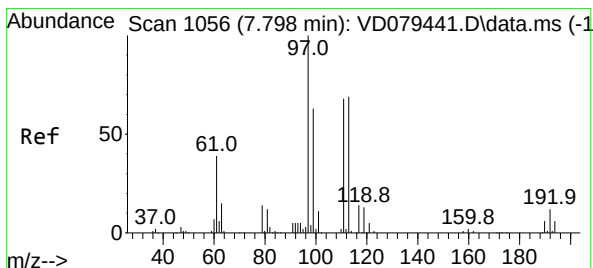
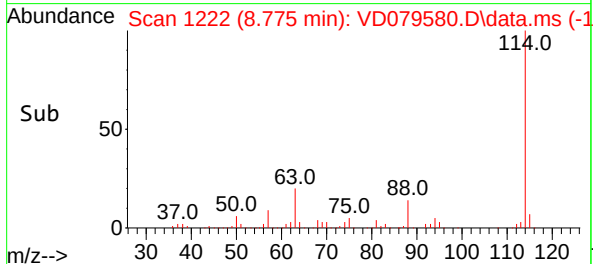
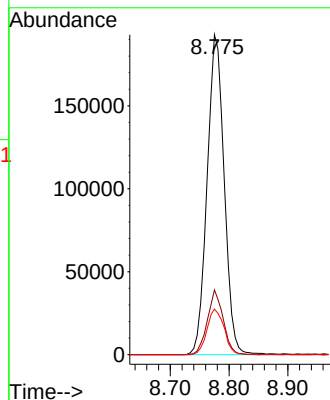
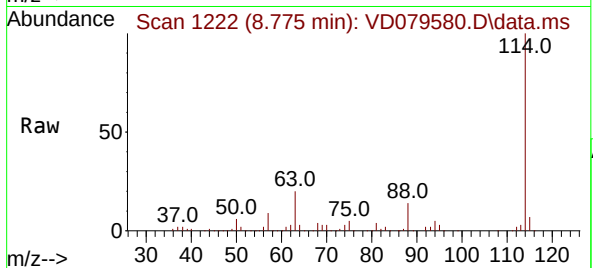
Tgt Ion:114 Resp: 390533

Ion Ratio Lower Upper

114 100

63 20.2 0.0 34.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 0.206 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079580.D

Acq: 05 Aug 2024 14:59

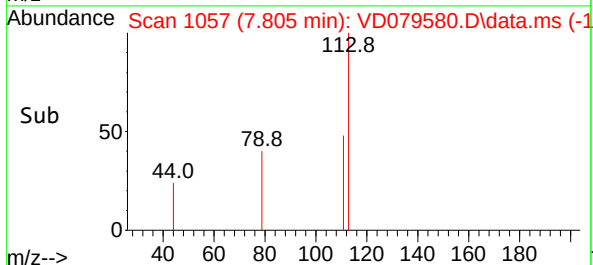
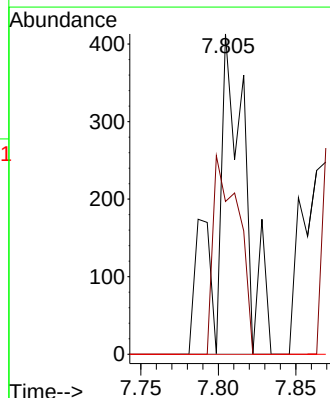
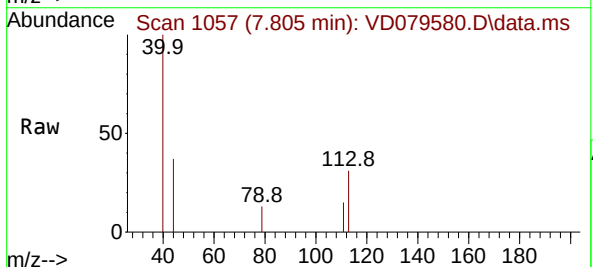
Tgt Ion:113 Resp: 544

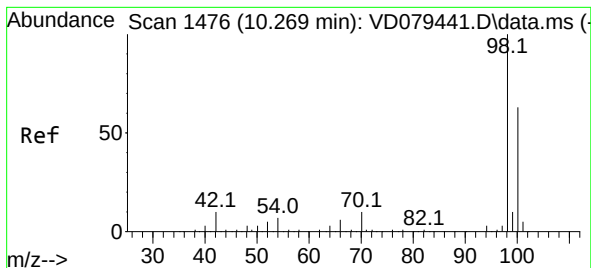
Ion Ratio Lower Upper

113 100

111 53.1 84.0 126.0#

192 0.0 15.4 23.0#





#50

Toluene-d8

Concen: 43.513 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079580.D

Acq: 05 Aug 2024 14:59

Instrument :

MSVOA_D

ClientSampleId :

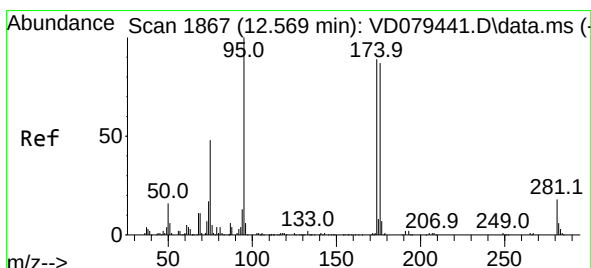
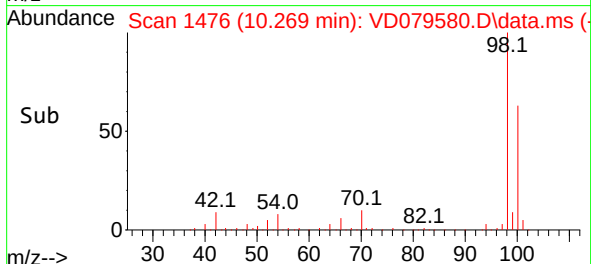
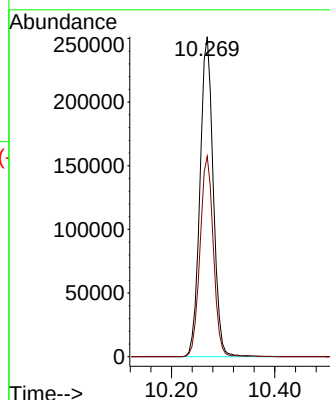
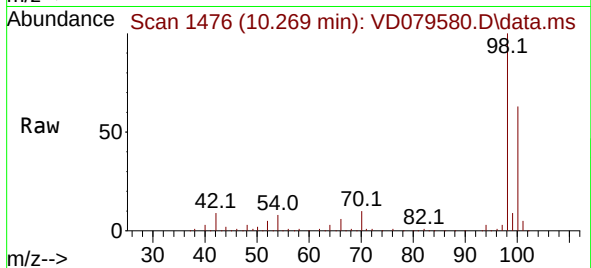
TR-05-082024

Tgt Ion: 98 Resp: 446658

Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 40.972 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079580.D

Acq: 05 Aug 2024 14:59

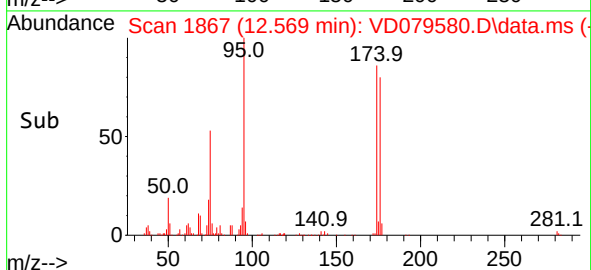
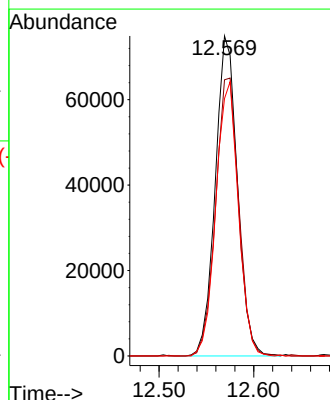
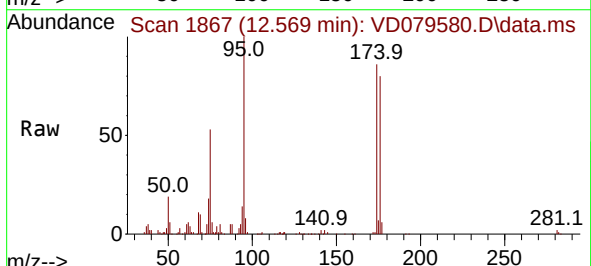
Tgt Ion: 95 Resp: 121707

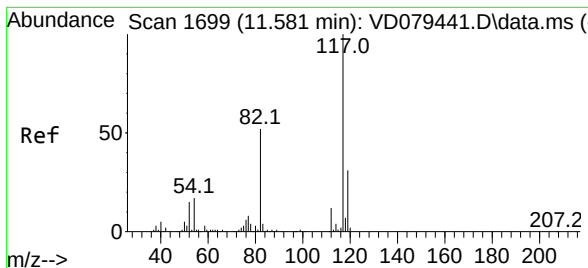
Ion Ratio Lower Upper

95 100

174 90.8 0.0 195.4

176 86.9 0.0 192.6

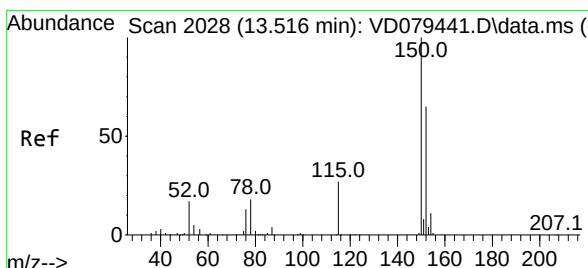
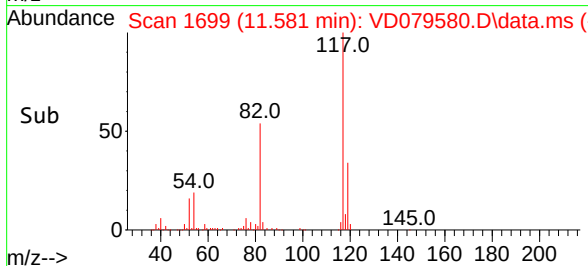
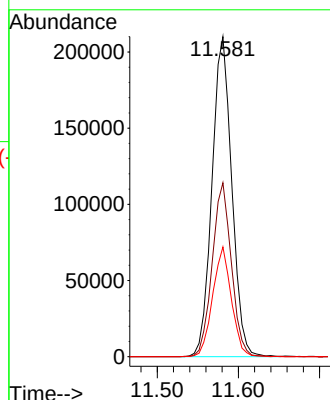
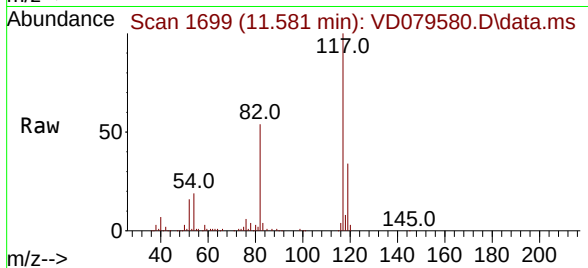




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079580.D
Acq: 05 Aug 2024 14:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-082024

Tgt Ion:117 Resp: 355198
Ion Ratio Lower Upper
117 100
82 54.3 39.8 59.6
119 34.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079580.D
Acq: 05 Aug 2024 14:59

Tgt Ion:152 Resp: 157014
Ion Ratio Lower Upper
152 100
115 56.8 26.5 79.5
150 157.7 0.0 341.6

