

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031824\
 Data File : VD078700.D
 Acq On : 18 Mar 2024 16:44
 Operator : RP/MD
 Sample : P1791-01
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-03182024

Quant Time: Mar 19 01:28:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	64056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	126931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	100106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	24718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45021	74.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.000%
35) Dibromofluoromethane	7.810	113	49488	60.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.100%
50) Toluene-d8	10.269	98	140788	46.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.569	95	27349	31.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.200%

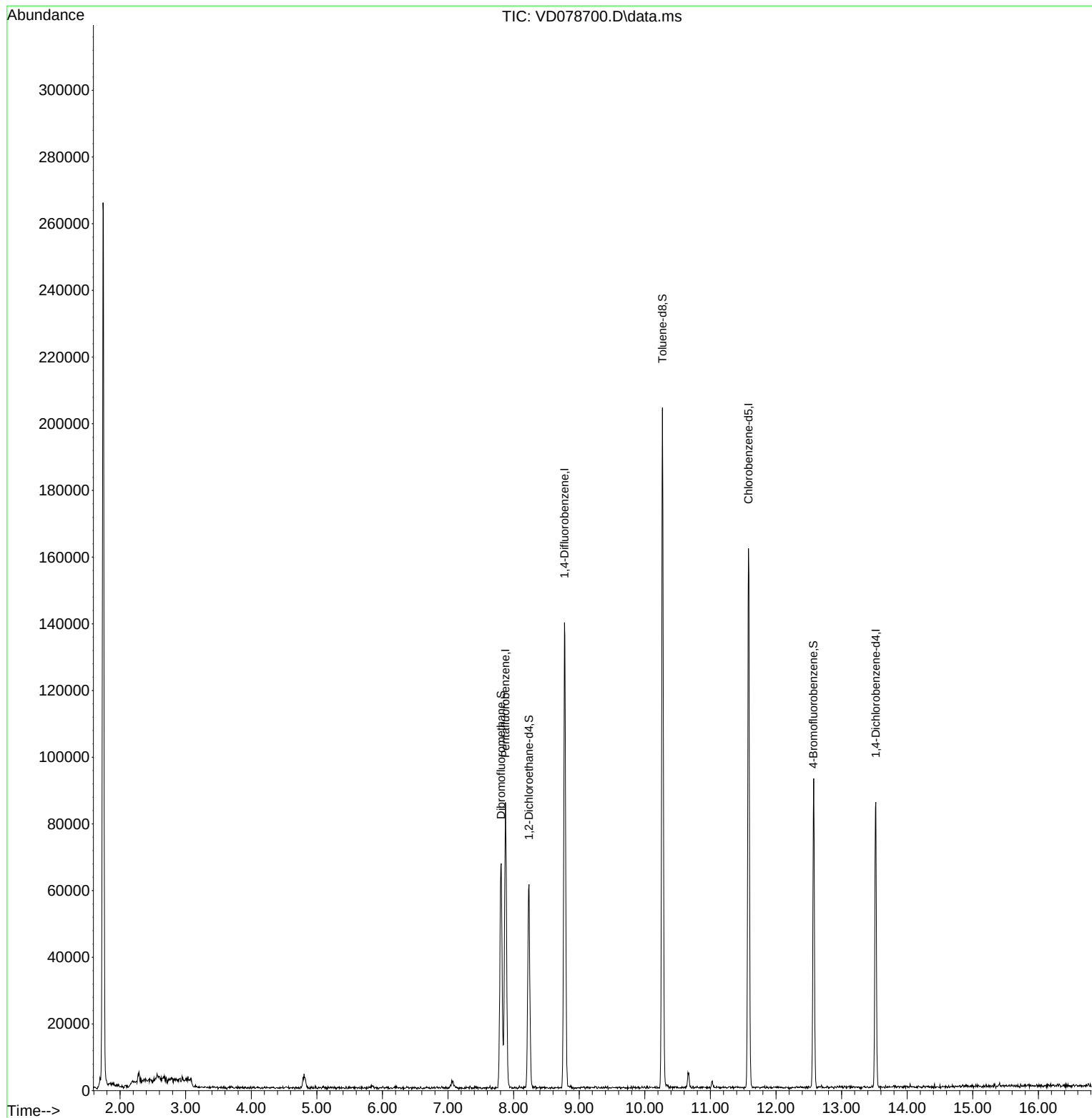
Target Compounds	Qvalue

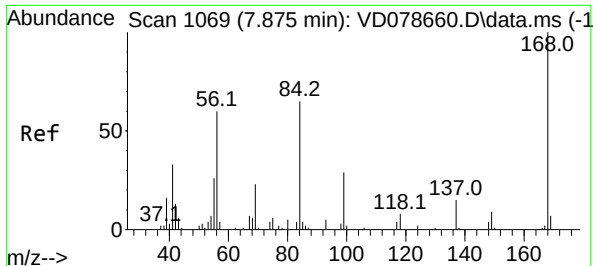
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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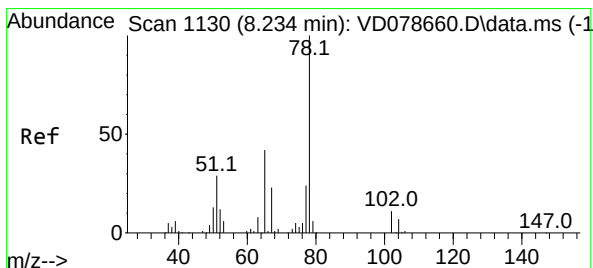
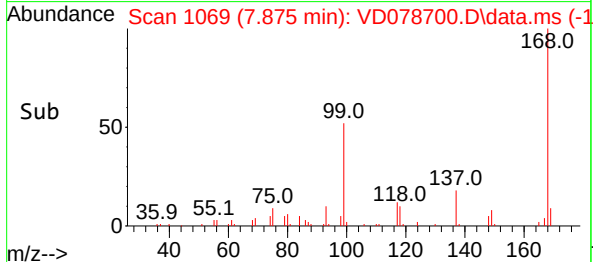
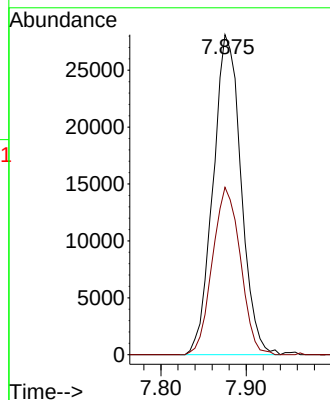
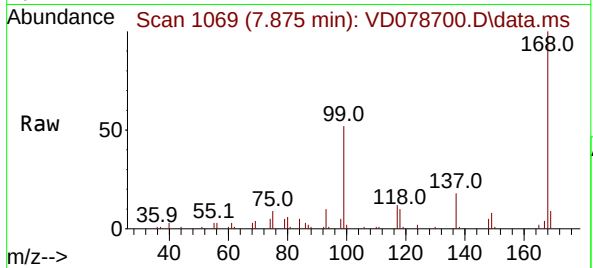




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

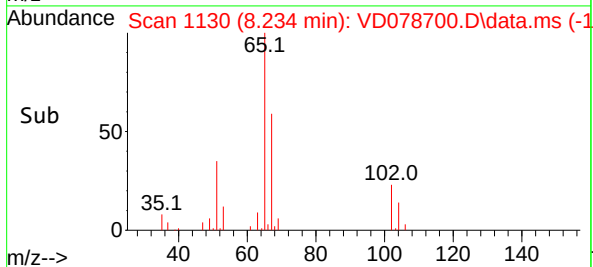
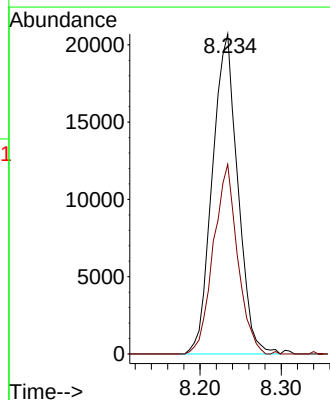
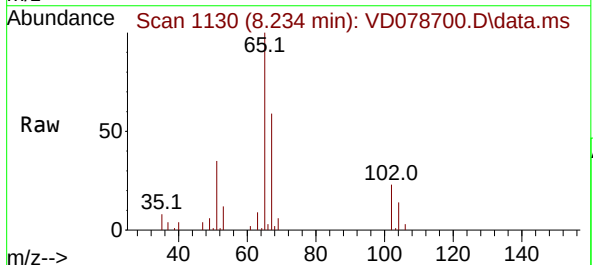
Instrument :
MSVOA_D
ClientSampleId :
SU-04-03182024

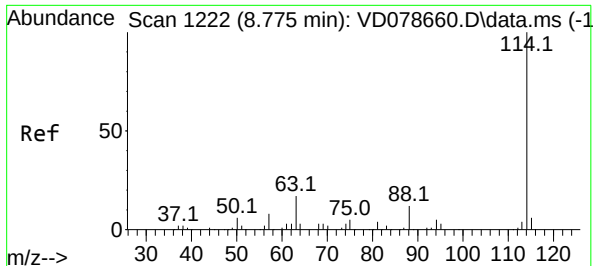
Tgt Ion:168 Resp: 64056
Ion Ratio Lower Upper
168 100
99 52.3 38.8 58.2



#33
1,2-Dichloroethane-d4
Concen: 74.996 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

Tgt Ion: 65 Resp: 45021
Ion Ratio Lower Upper
65 100
67 56.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

SU-04-03182024

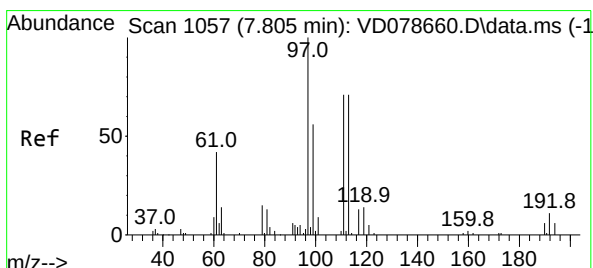
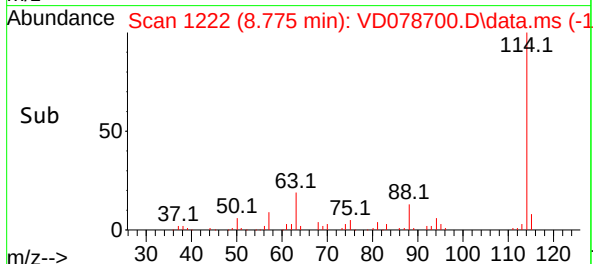
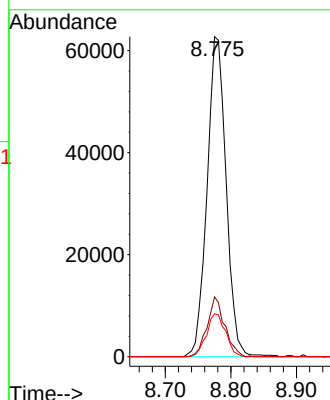
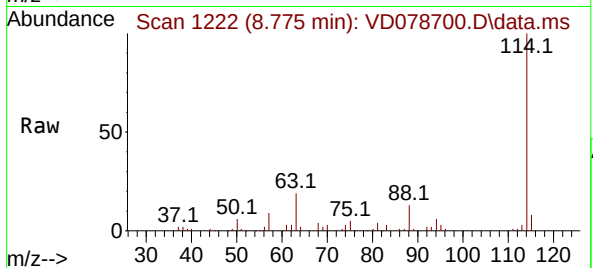
Tgt Ion:114 Resp: 126931

Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.4 0.0 24.6



#35

Dibromofluoromethane

Concen: 60.555 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

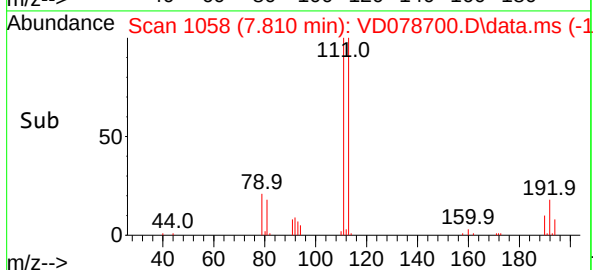
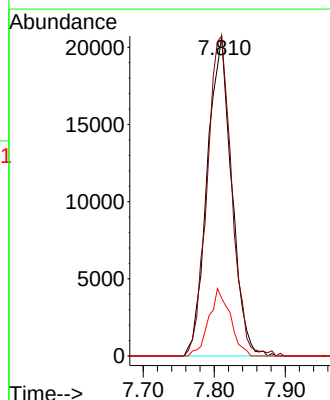
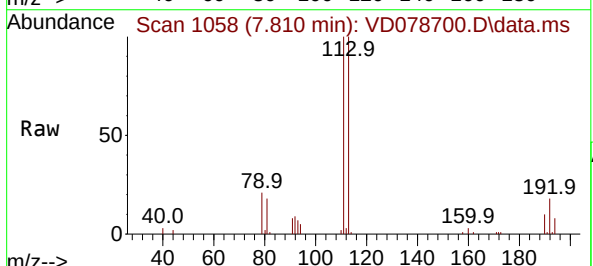
Tgt Ion:113 Resp: 49488

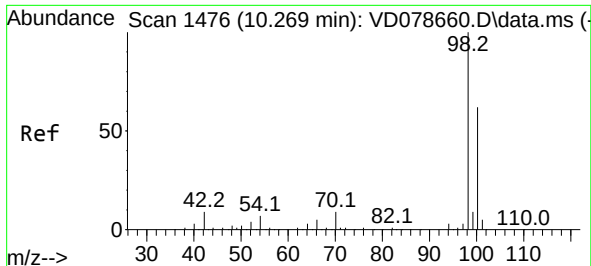
Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

192 18.5 15.4 23.0

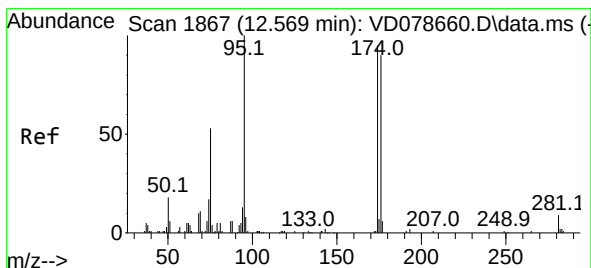
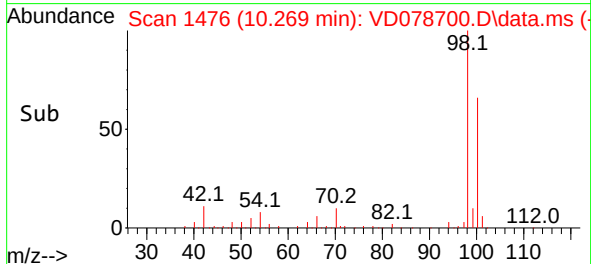
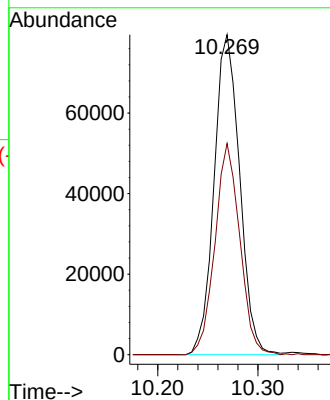
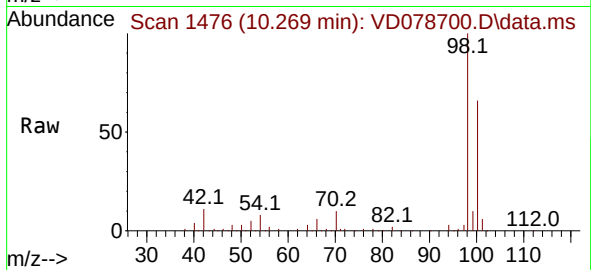




#50
Toluene-d8
Concen: 46.842 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

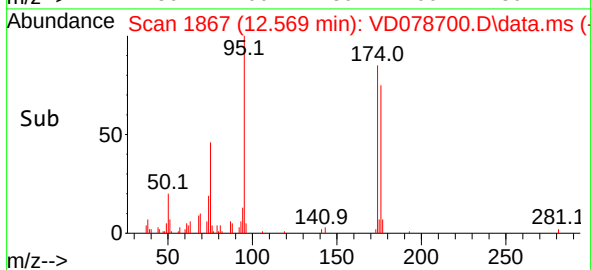
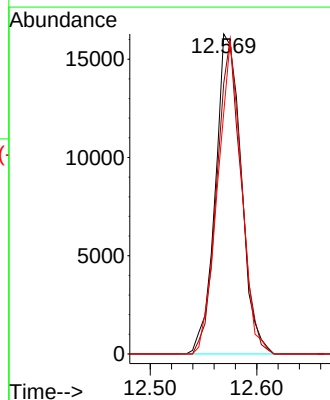
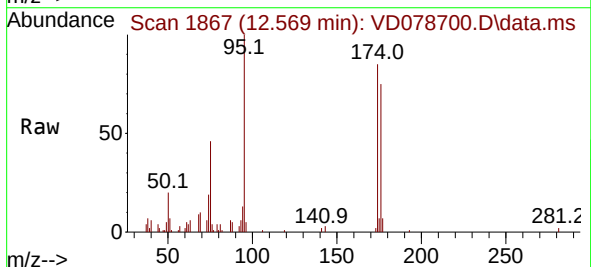
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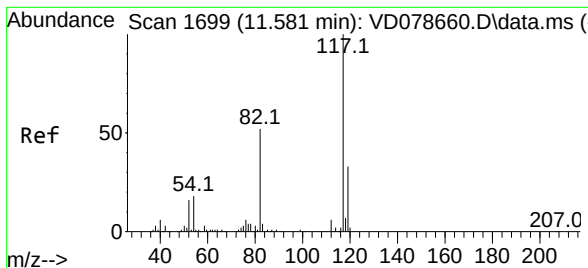
Tgt Ion: 98 Resp: 140788
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 31.103 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD078700.D
Acq: 18 Mar 2024 16:44

Tgt Ion: 95 Resp: 27349
Ion Ratio Lower Upper
95 100
174 92.3 0.0 195.2
176 90.3 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Instrument :

MSVOA_D

ClientSampleId :

SU-04-03182024

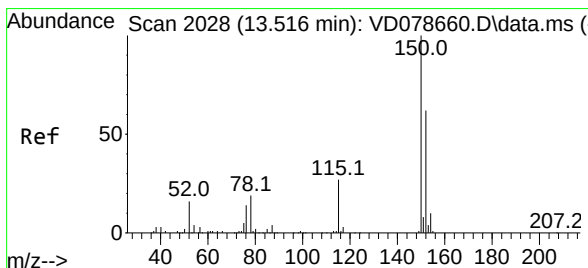
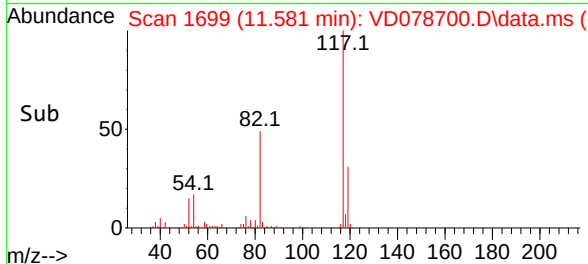
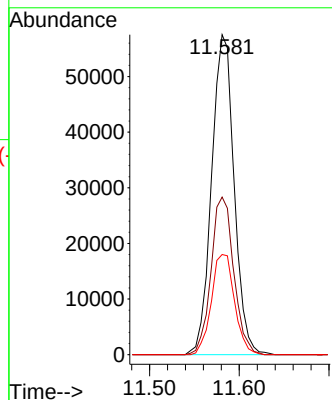
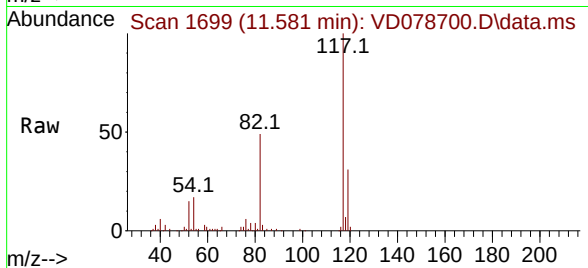
Tgt Ion:117 Resp: 100106

Ion Ratio Lower Upper

117 100

82 49.3 41.4 62.2

119 31.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD078700.D

Acq: 18 Mar 2024 16:44

Tgt Ion:152 Resp: 24718

Ion Ratio Lower Upper

152 100

115 52.6 27.1 81.2

150 156.6 0.0 350.2

