

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052224\
 Data File : VD078987.D
 Acq On : 22 May 2024 18:48
 Operator : RP/MD
 Sample : P2564-01
 Misc : 5.05G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-05212024

Quant Time: May 23 06:07:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	118784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	239348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105465	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58044	52.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.200%
35) Dibromofluoromethane	7.804	113	81189	48.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.269	98	307323	49.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.569	95	80692	46.206	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.420%

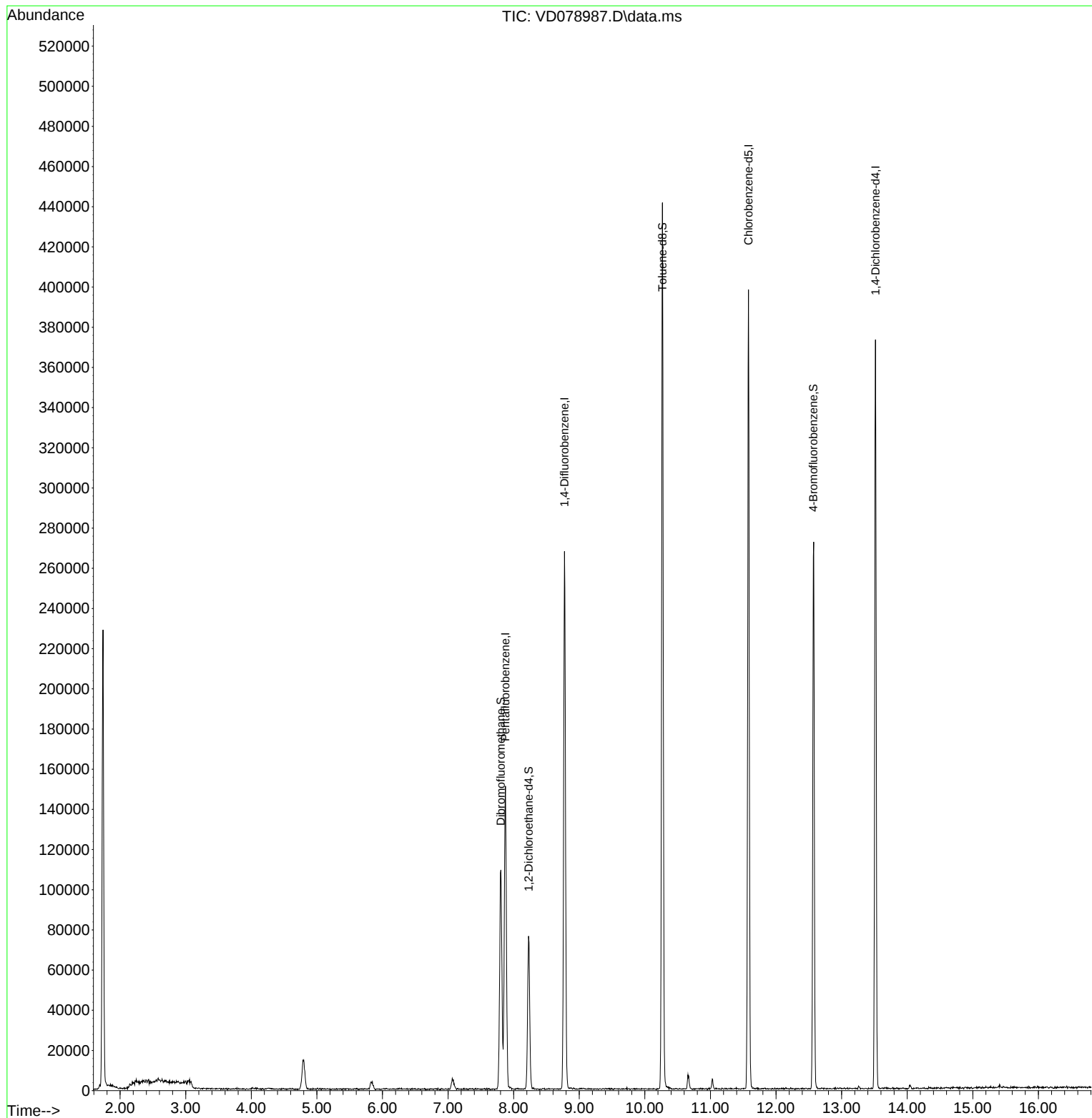
Target Compounds	Qvalue

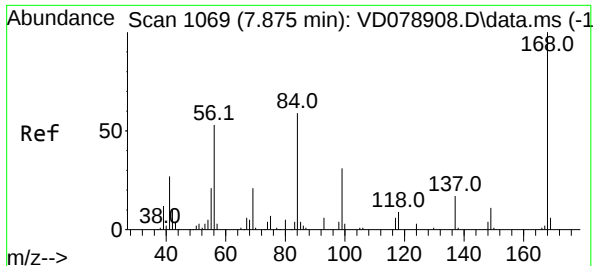
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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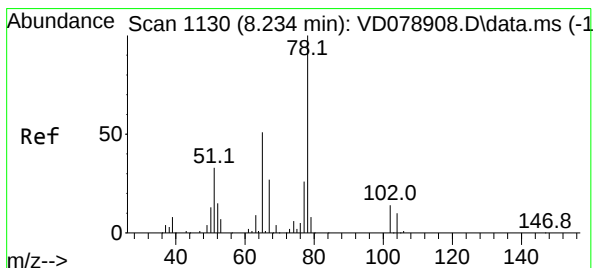
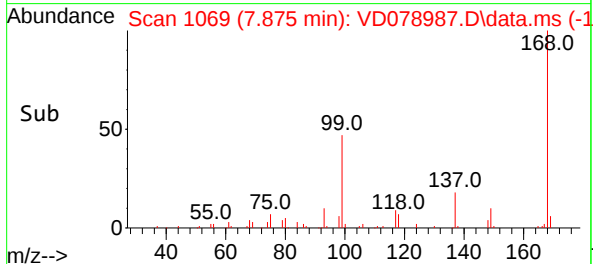
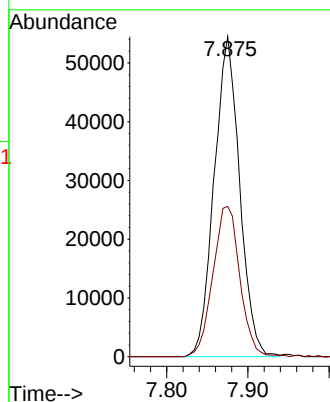
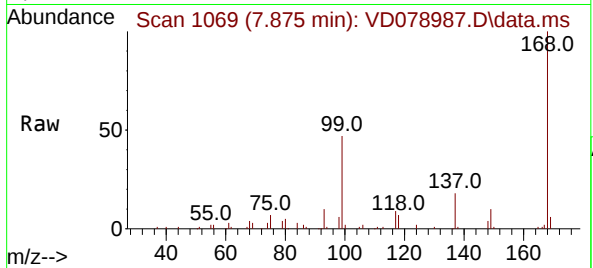




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

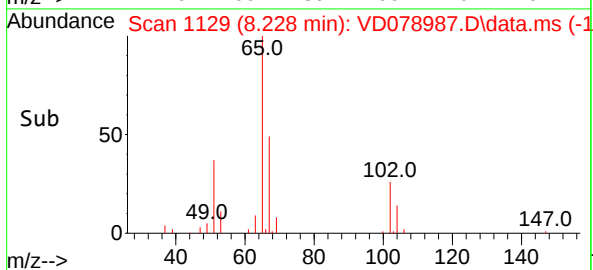
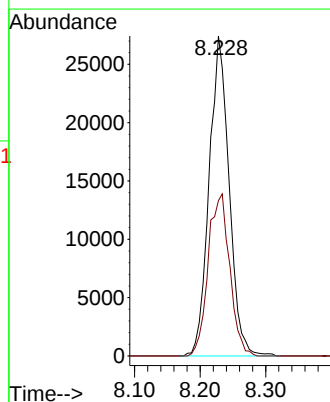
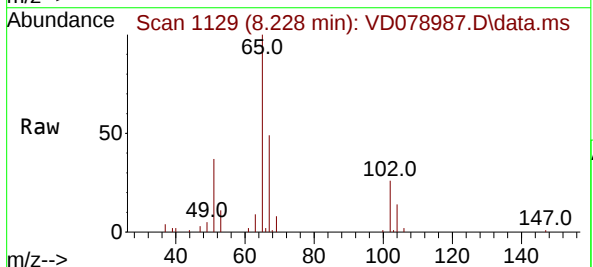
Instrument :
MSVOA_D
ClientSampleId :
HD-01-05212024

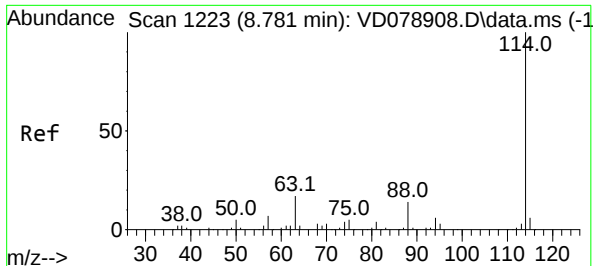
Tgt Ion:168 Resp: 118784
Ion Ratio Lower Upper
168 100
99 46.9 41.1 61.7



#33
1,2-Dichloroethane-d4
Concen: 52.095 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

Tgt Ion: 65 Resp: 58044
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078987.D

Acq: 22 May 2024 18:48

Instrument :

MSVOA_D

ClientSampleId :

HD-01-05212024

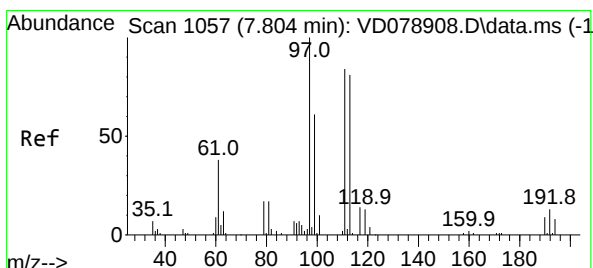
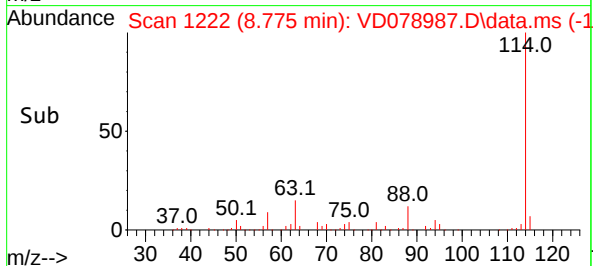
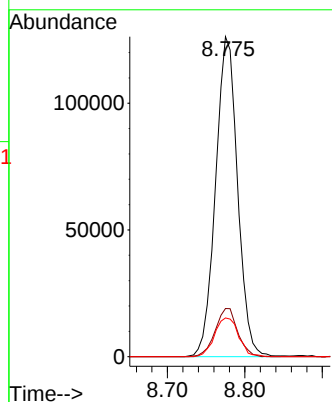
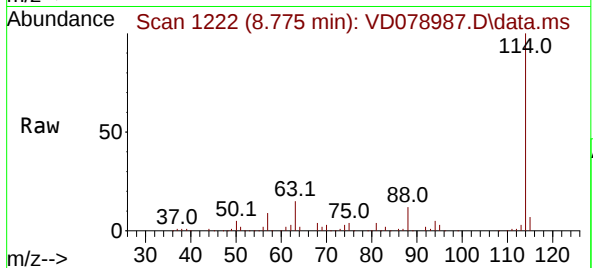
Tgt Ion:114 Resp: 249106

Ion Ratio Lower Upper

114 100

63 15.0 0.0 34.0

88 12.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.962 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078987.D

Acq: 22 May 2024 18:48

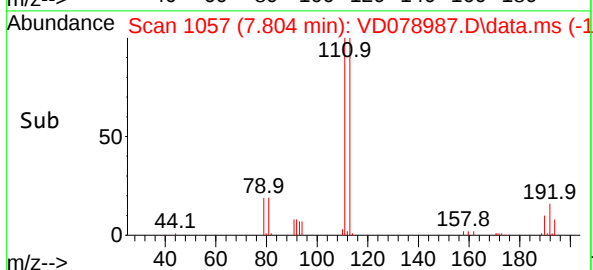
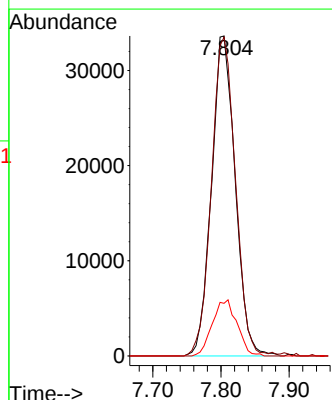
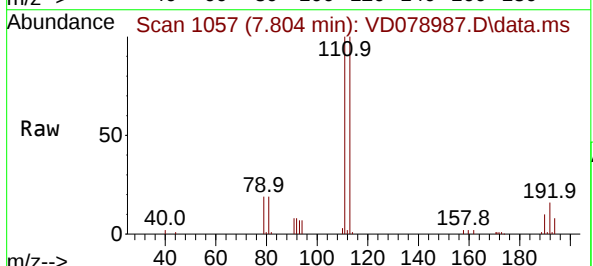
Tgt Ion:113 Resp: 81189

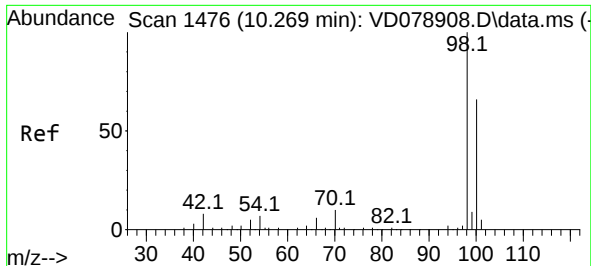
Ion Ratio Lower Upper

113 100

111 101.2 84.0 126.0

192 18.3 15.4 23.0

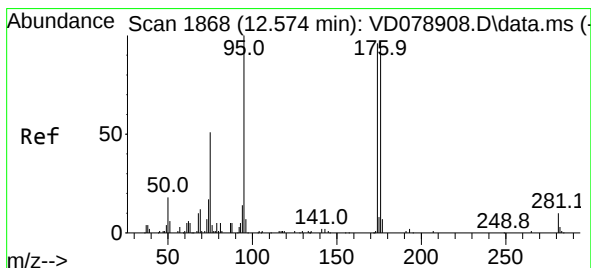
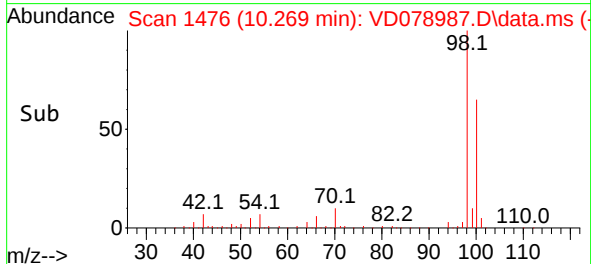
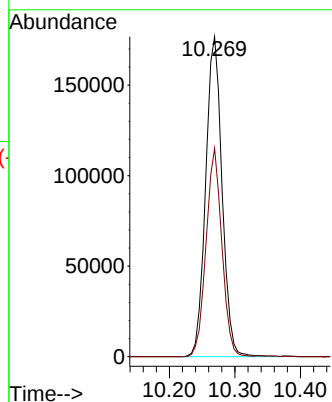
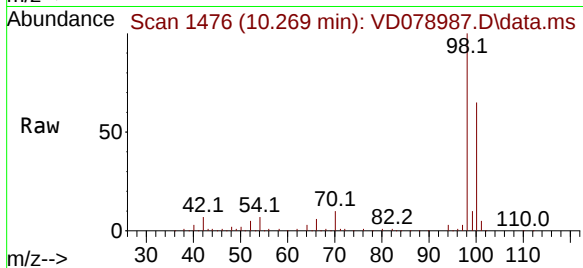




#50
Toluene-d8
Concen: 49.438 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

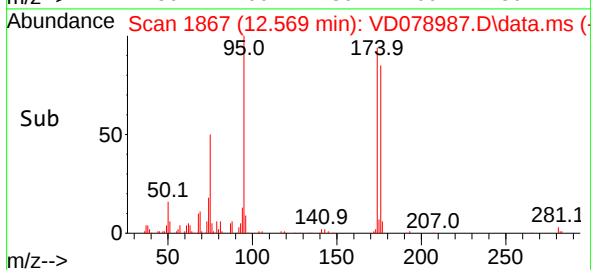
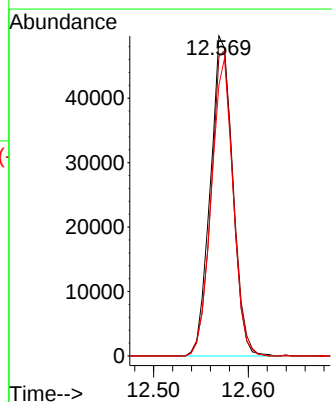
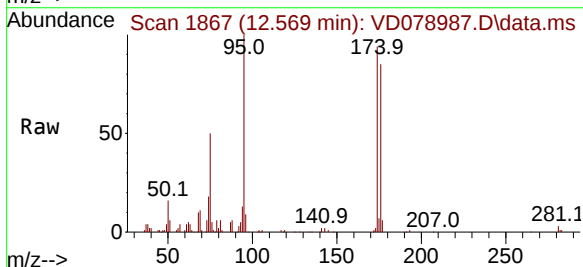
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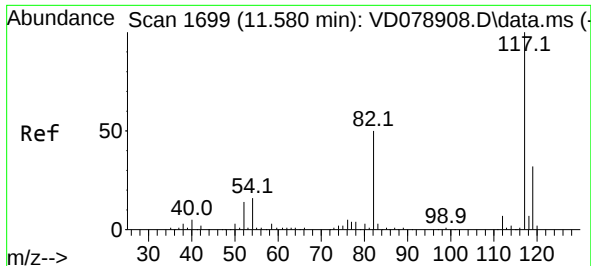
Tgt Ion: 98 Resp: 307323
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.206 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

Tgt Ion: 95 Resp: 80692
Ion Ratio Lower Upper
95 100
174 96.3 0.0 195.4
176 91.3 0.0 192.6

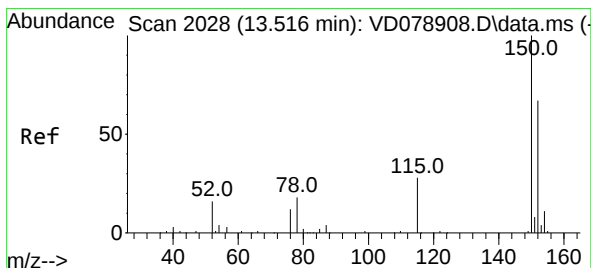
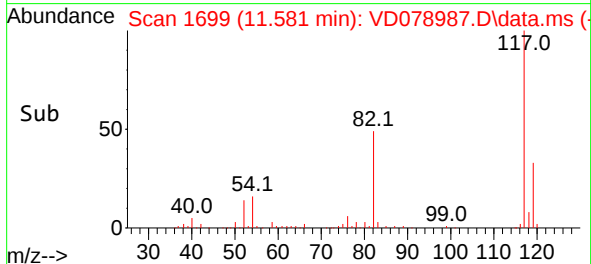
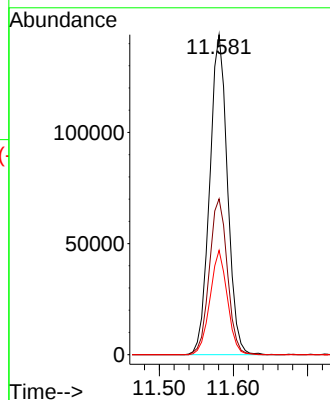
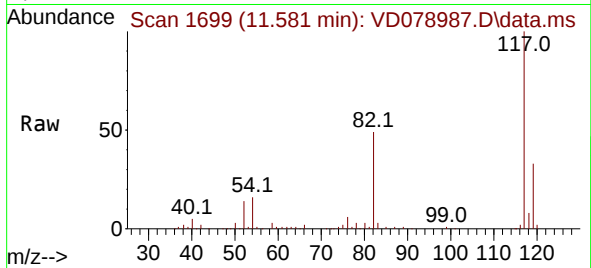




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

Instrument :
MSVOA_D
ClientSampleId :
HD-01-05212024

Tgt Ion:117 Resp: 239348
Ion Ratio Lower Upper
117 100
82 48.7 39.8 59.6
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078987.D
Acq: 22 May 2024 18:48

Tgt Ion:152 Resp: 105465
Ion Ratio Lower Upper
152 100
115 55.2 26.5 79.5
150 157.5 0.0 341.6

