

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032224\
 Data File : VD078744.D
 Acq On : 22 Mar 2024 15:49
 Operator : RP/MD
 Sample : P1832-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 600581536

Quant Time: Mar 22 23:21:20 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	7.887	168	5316	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.781	114	9716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	10340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4297	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3848	77.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	154.480%
35) Dibromofluoromethane	7.810	113	4255	68.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	136.040%
50) Toluene-d8	10.269	98	11256	48.926	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.575	95	3409	50.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.300%

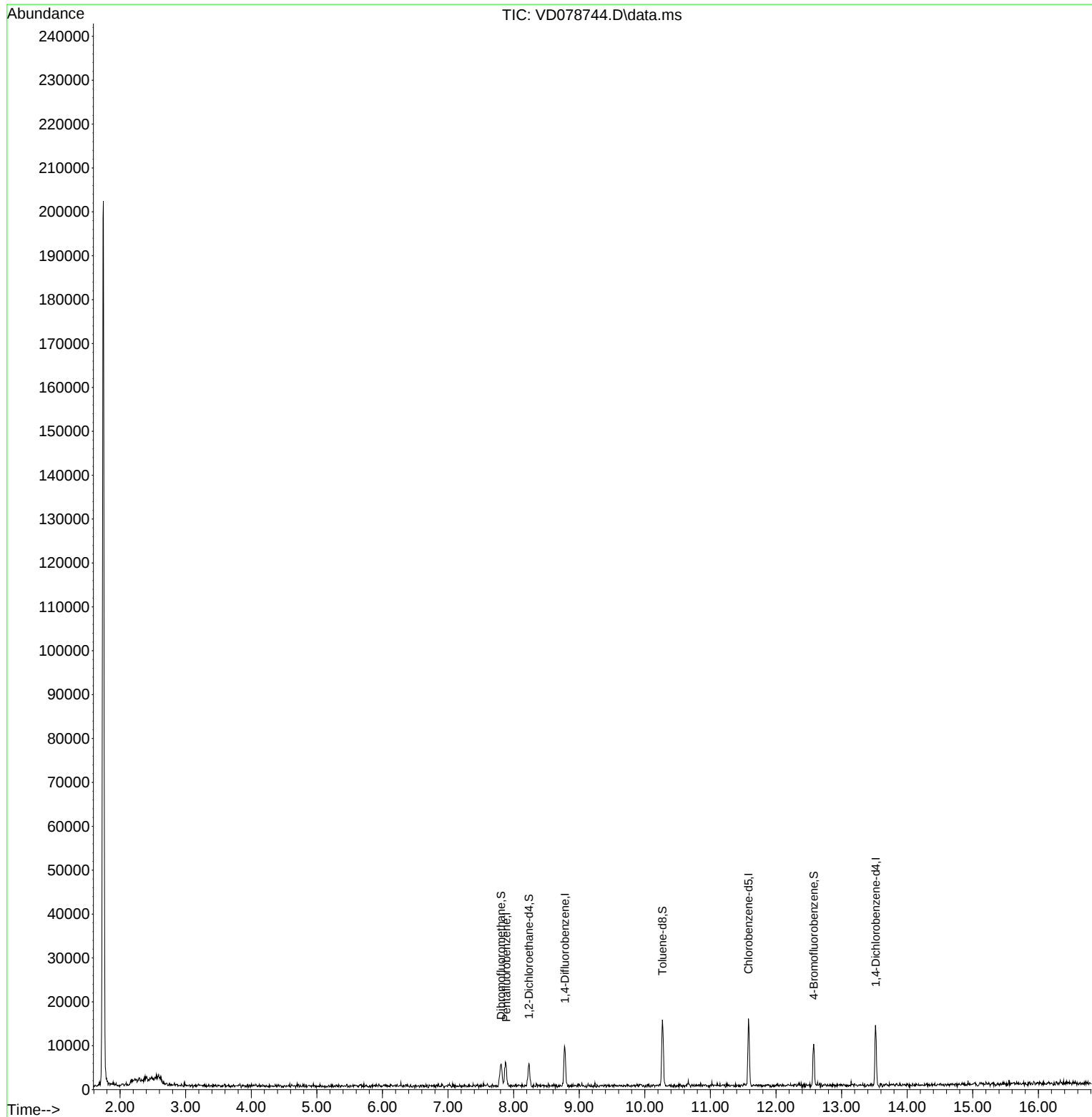
Target Compounds	Qvalue

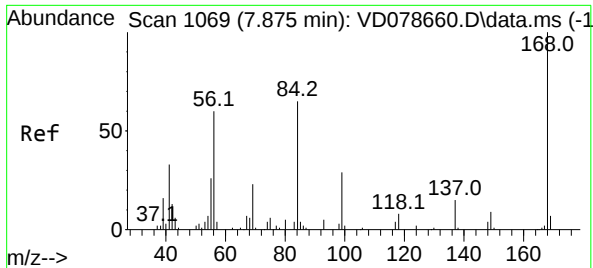
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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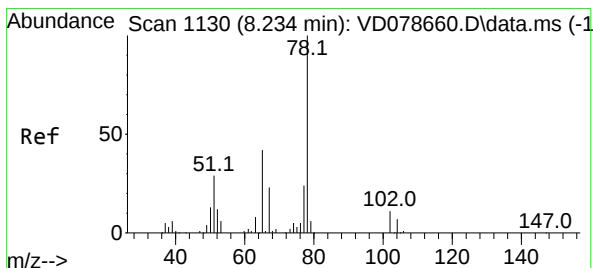
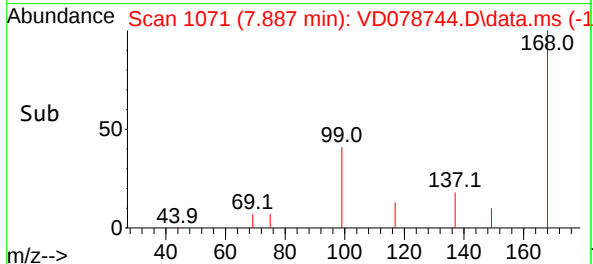
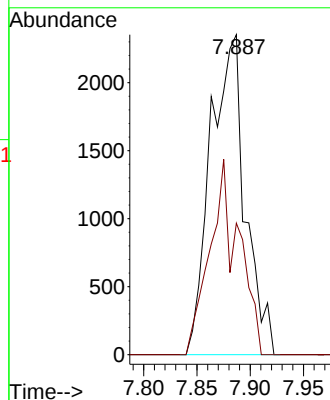
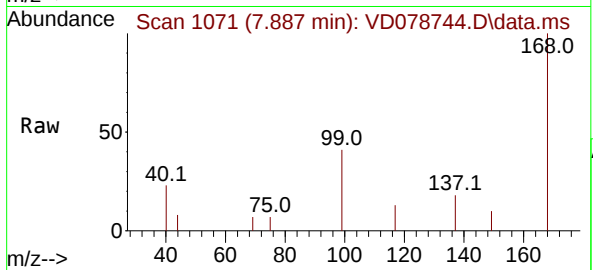




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.887 min Scan# 1069
Delta R.T. 0.012 min
Lab File: VD078744.D
Acq: 22 Mar 2024 15:49

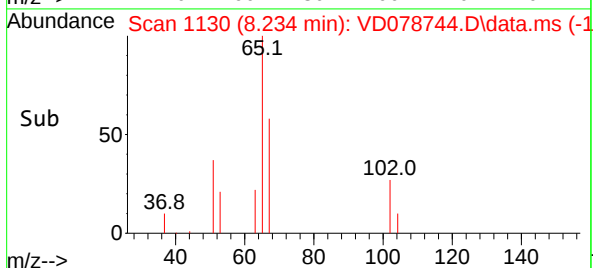
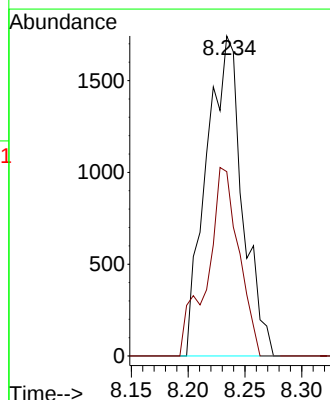
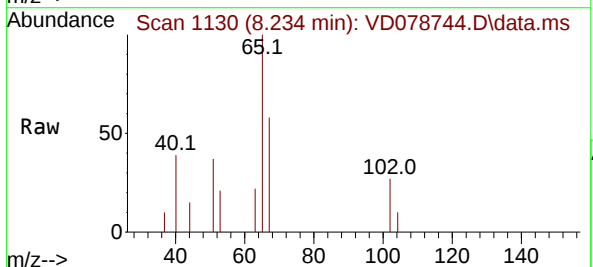
Instrument :
MSVOA_D
ClientSampleId :
600581536

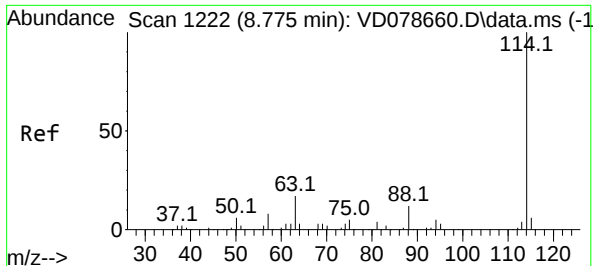
Tgt Ion:168 Resp: 5316
Ion Ratio Lower Upper
168 100
99 41.1 38.8 58.2



#33
1,2-Dichloroethane-d4
Concen: 77.239 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078744.D
Acq: 22 Mar 2024 15:49

Tgt Ion: 65 Resp: 3848
Ion Ratio Lower Upper
65 100
67 51.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078744.D

Acq: 22 Mar 2024 15:49

Instrument :

MSVOA_D

ClientSampleId :

600581536

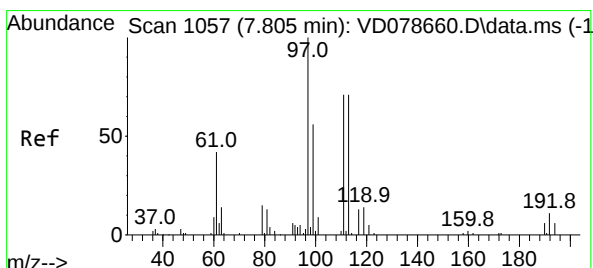
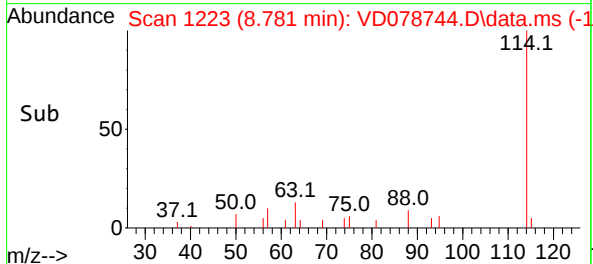
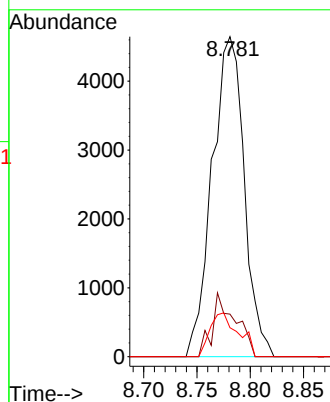
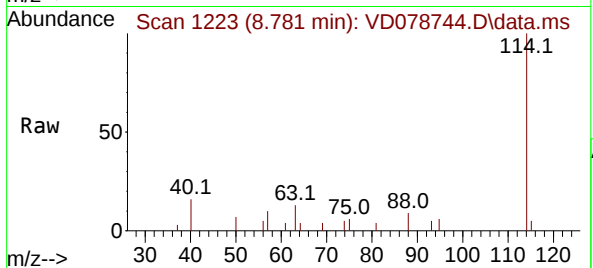
Tgt Ion:114 Resp: 9716

Ion Ratio Lower Upper

114 100

63 13.3 0.0 33.4

88 9.1 0.0 24.6



#35

Dibromofluoromethane

Concen: 68.019 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078744.D

Acq: 22 Mar 2024 15:49

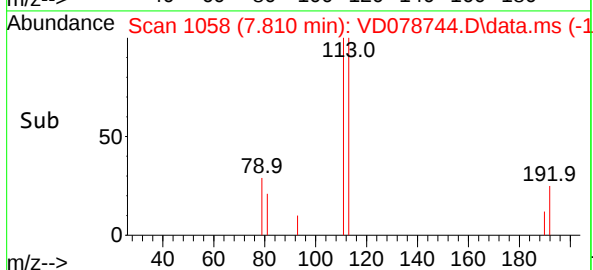
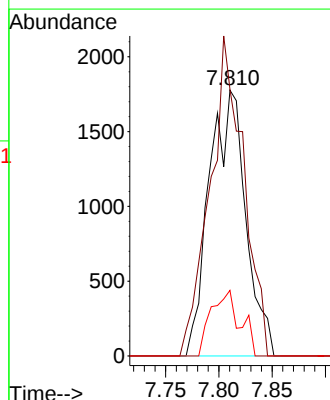
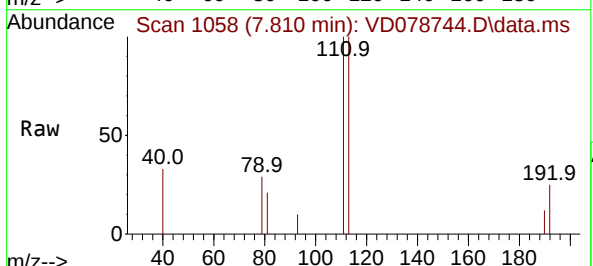
Tgt Ion:113 Resp: 4255

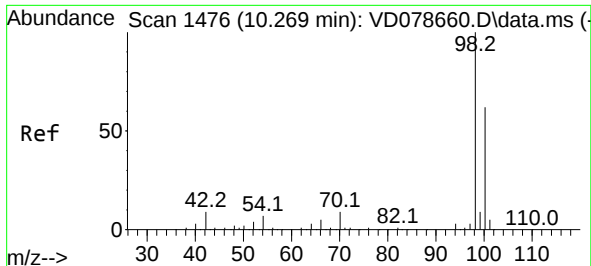
Ion Ratio Lower Upper

113 100

111 110.4 81.9 122.9

192 19.4 15.4 23.0

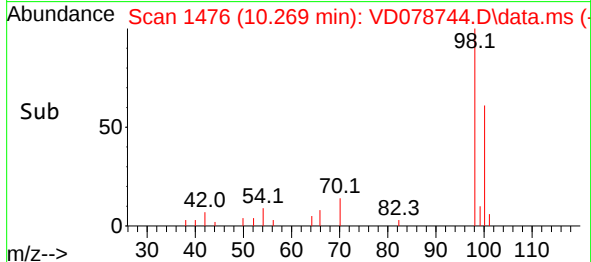
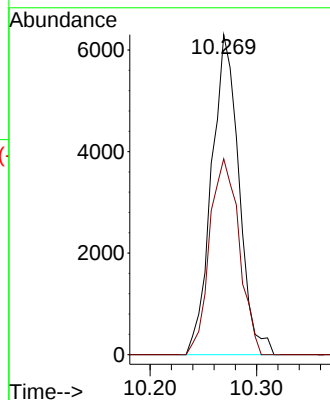
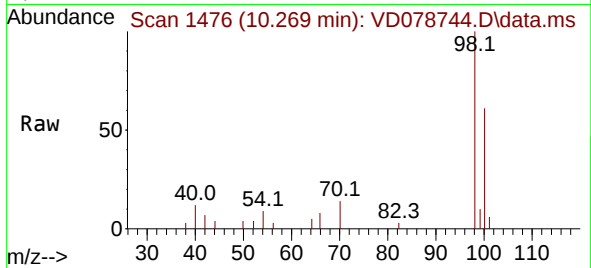




#50
Toluene-d8
Concen: 48.926 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078744.D
Acq: 22 Mar 2024 15:49

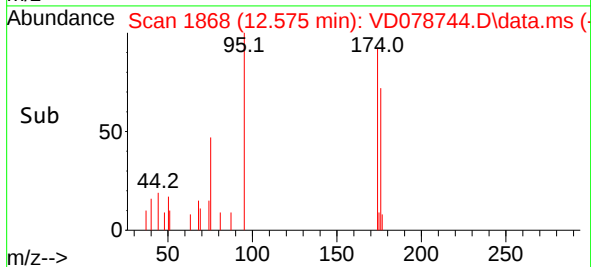
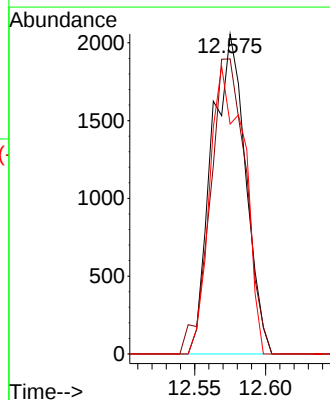
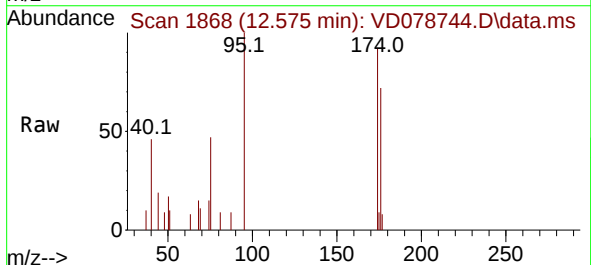
Instrument :
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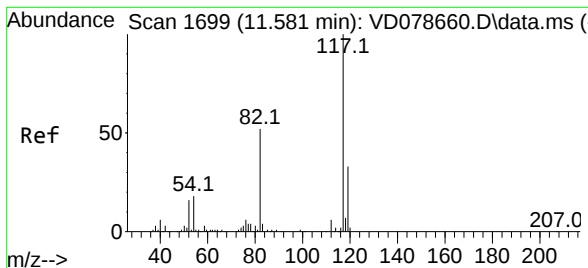
Tgt Ion: 98 Resp: 11256
Ion Ratio Lower Upper
98 100
100 65.9 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 50.649 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078744.D
Acq: 22 Mar 2024 15:49

Tgt Ion: 95 Resp: 3409
Ion Ratio Lower Upper
95 100
174 97.1 0.0 195.2
176 91.0 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: VD078744.D

Acq: 22 Mar 2024 15:49

Instrument :

MSVOA_D

ClientSampleId :

600581536

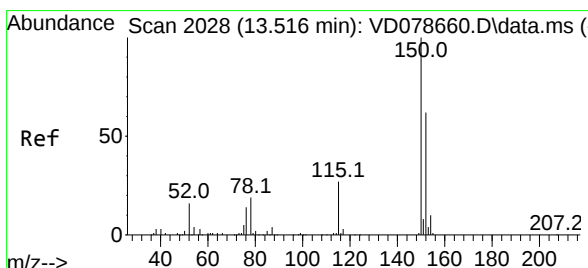
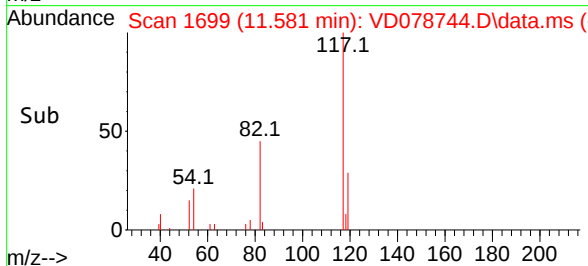
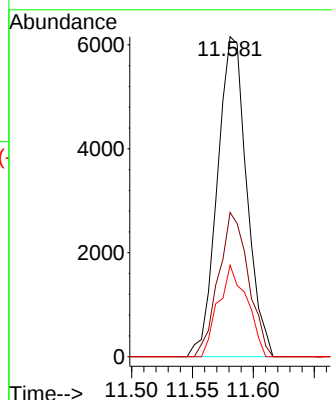
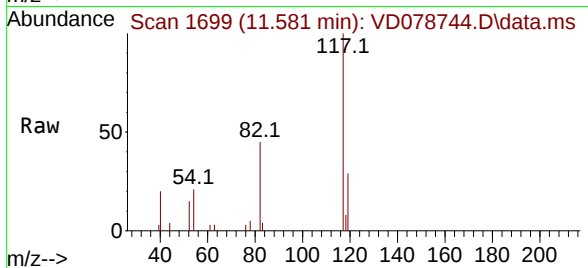
Tgt Ion:117 Resp: 10340

Ion Ratio Lower Upper

117 100

82 45.0 41.4 62.2

119 28.6 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: VD078744.D

Acq: 22 Mar 2024 15:49

Tgt Ion:152 Resp: 4297

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.2

150 150.4 0.0 350.2

