

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078012.D
 Acq On : 21 Dec 2023 00:52
 Operator : RP/MD
 Sample : 05876-02
 Misc : 3.79G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COLW6

Quant Time: Dec 21 05:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	169876	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	305358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	120290	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79541	39.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.480%
35) Dibromofluoromethane	7.810	113	91907	42.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.940%
50) Toluene-d8	10.269	98	392626	45.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.575	95	107985	42.162	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.320%

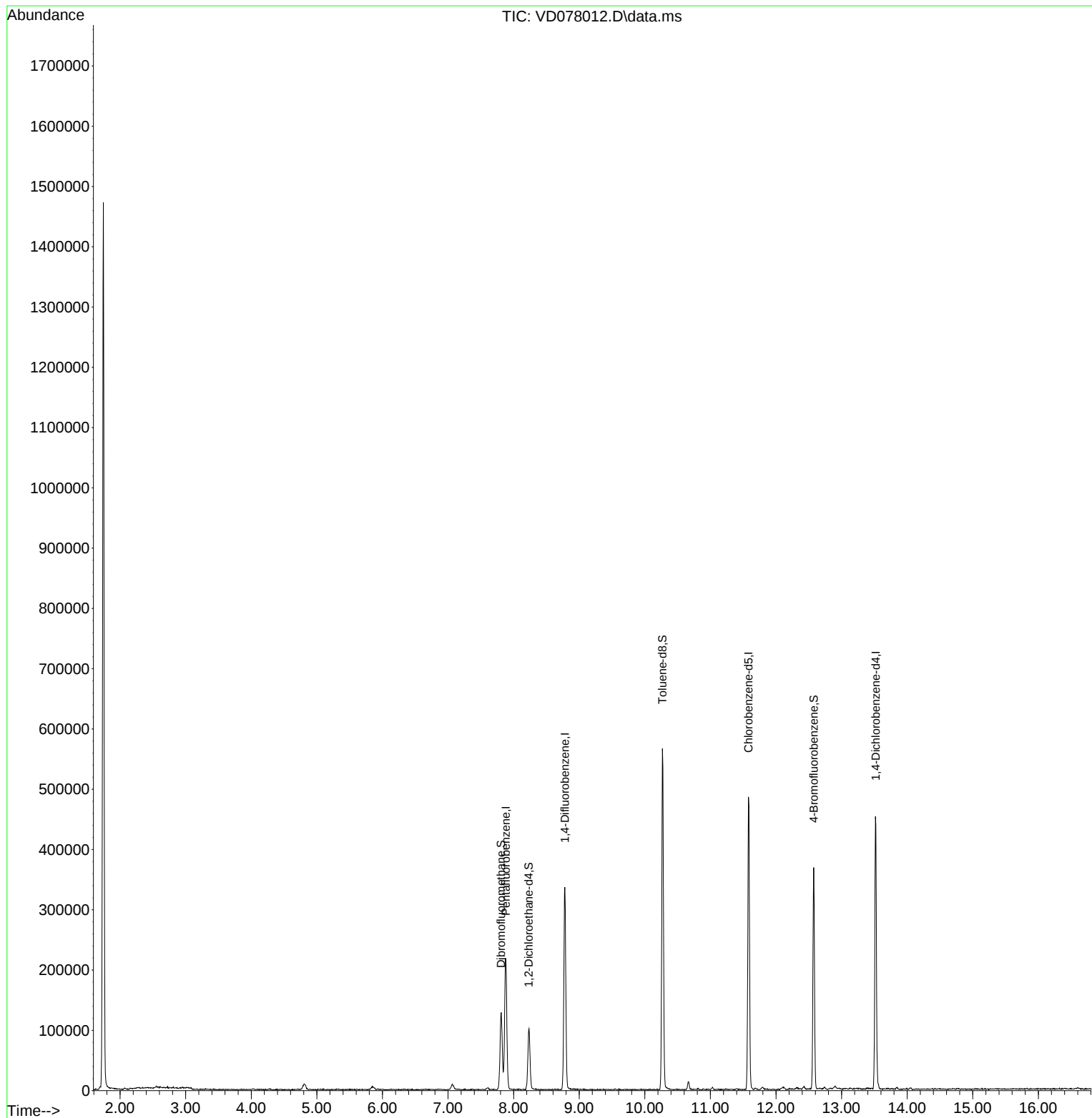
Target Compounds	Qvalue

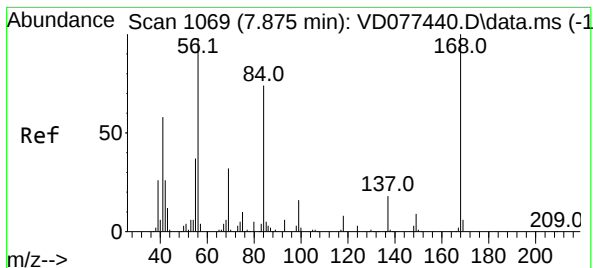
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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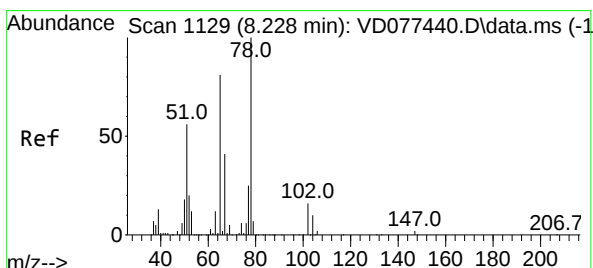
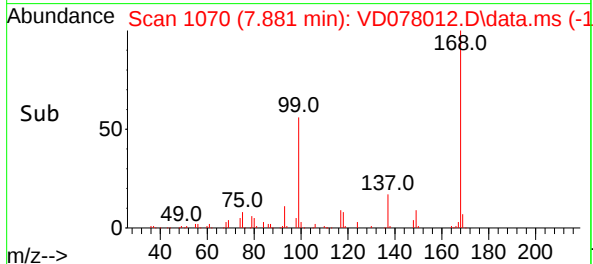
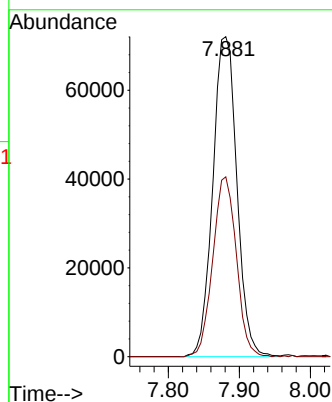
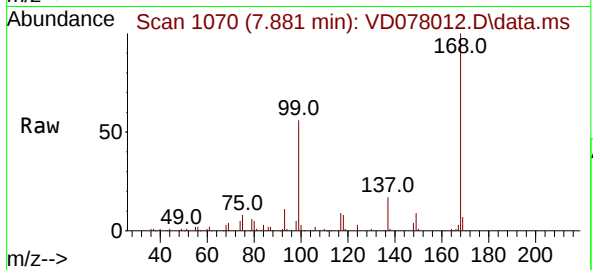




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

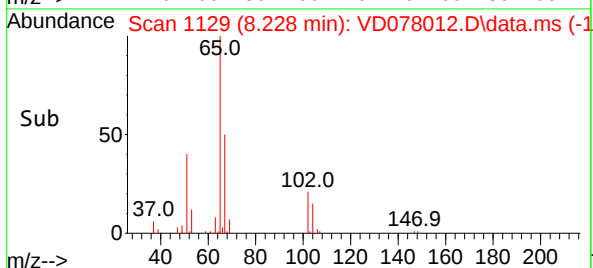
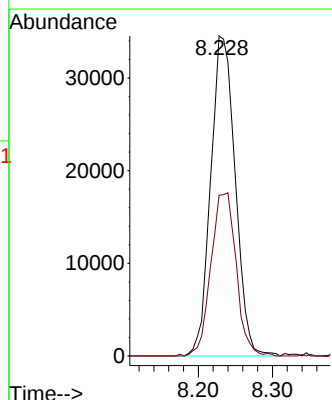
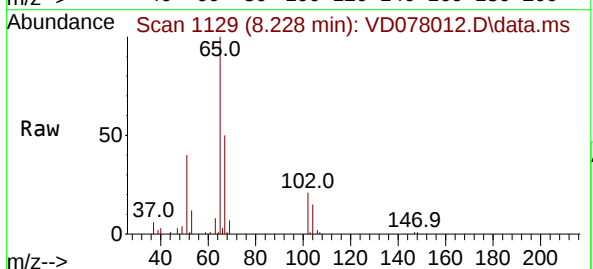
Instrument :
MSVOA_D
ClientSampleId :
COLW6

Tgt Ion:168 Resp: 169876
Ion Ratio Lower Upper
168 100
99 56.2 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 39.736 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Tgt Ion: 65 Resp: 79541
Ion Ratio Lower Upper
65 100
67 52.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

Instrument :

MSVOA_D

ClientSampleId :

COLW6

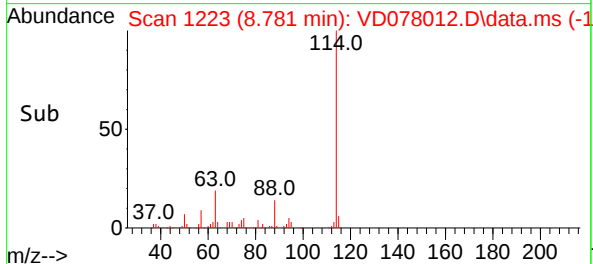
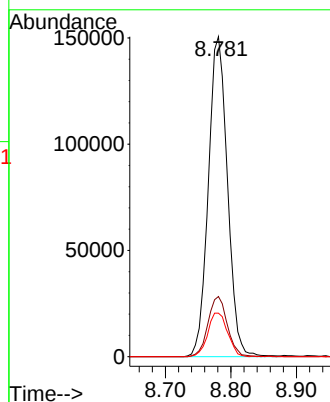
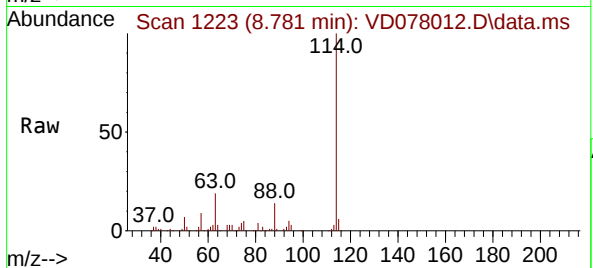
Tgt Ion:114 Resp: 305358

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.969 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

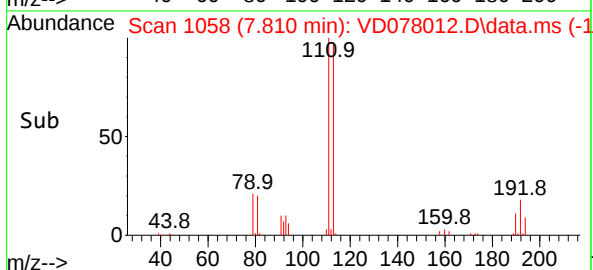
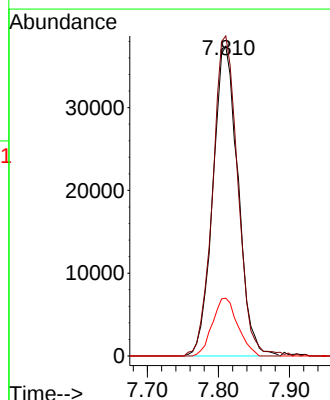
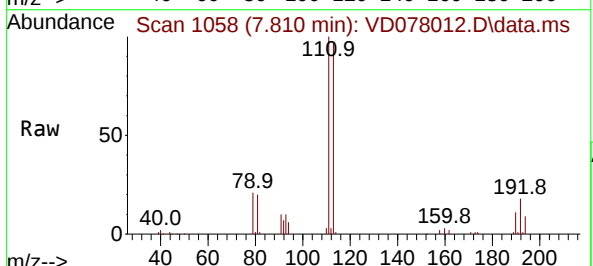
Tgt Ion:113 Resp: 91907

Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 18.8 16.8 25.2

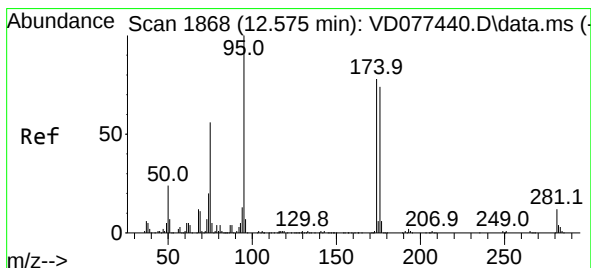
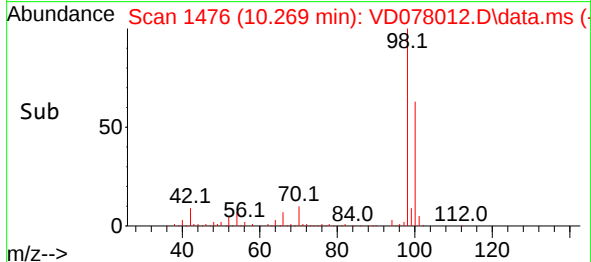
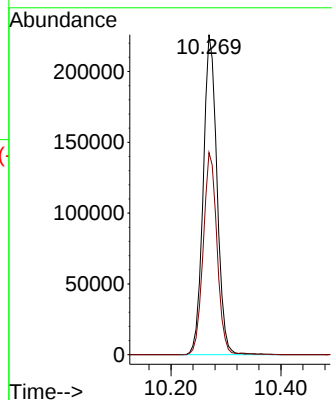
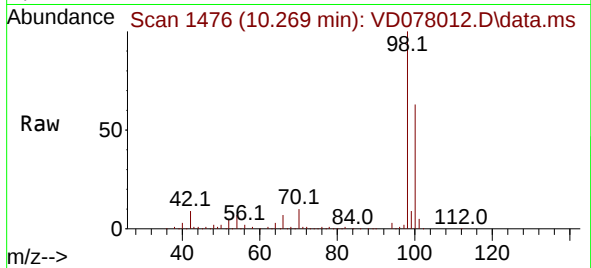




#50
Toluene-d8
Concen: 45.832 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

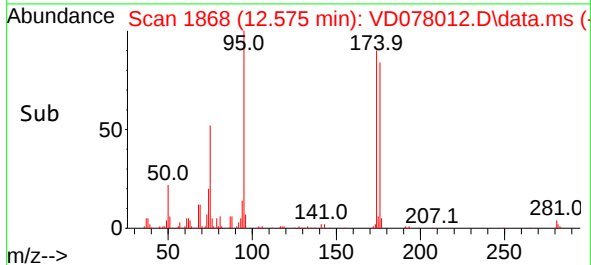
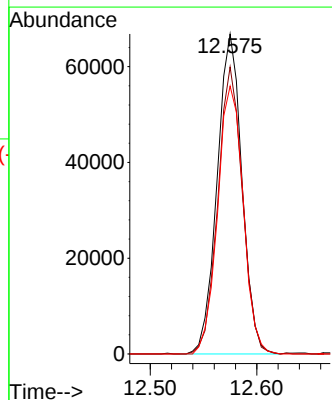
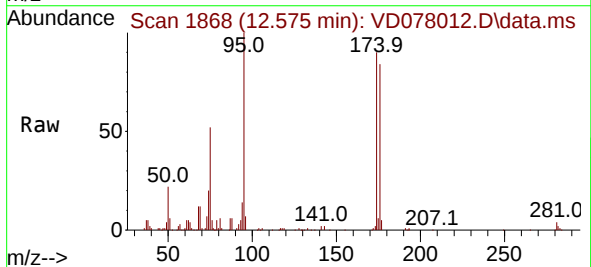
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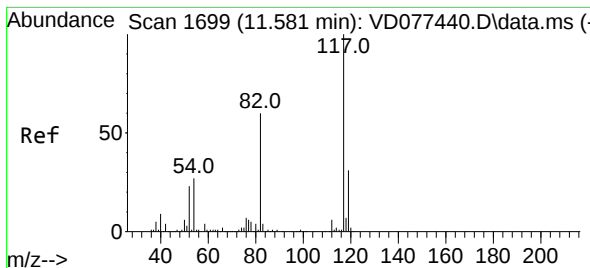
Tgt Ion: 98 Resp: 392626
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.162 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Tgt Ion: 95 Resp: 107985
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 86.2 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: VD078012.D

Acq: 21 Dec 2023 00:52

Instrument :

MSVOA_D

ClientSampleId :

COLW6

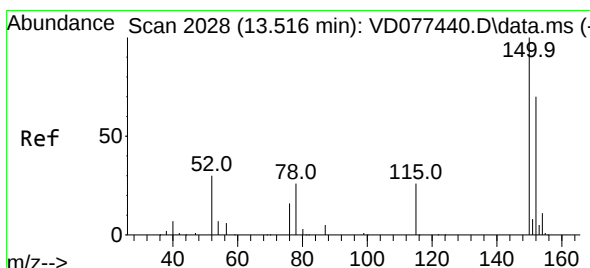
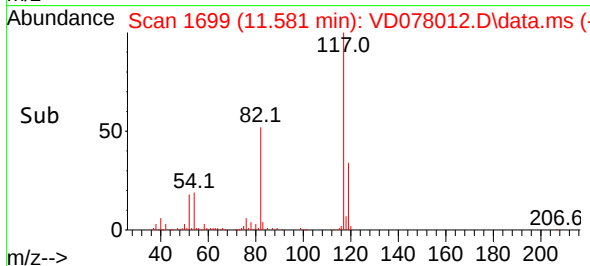
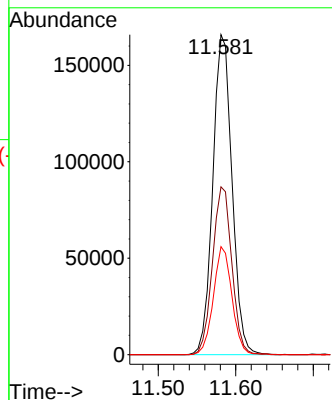
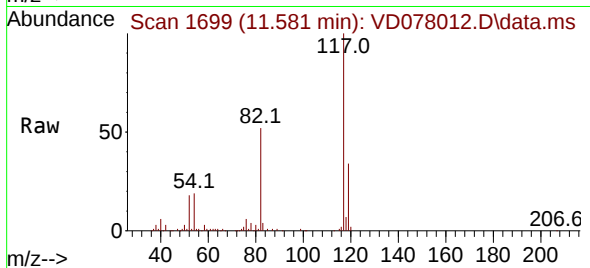
Tgt Ion:117 Resp: 286514

Ion Ratio Lower Upper

117 100

82 52.4 38.3 57.5

119 33.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

Tgt Ion:152 Resp: 120290

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.3

150 158.7 0.0 353.6

