

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078061.D
 Acq On : 22 Dec 2023 13:58
 Operator : RP/MD
 Sample : 05940-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-122023

Quant Time: Dec 22 14:10:00 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	180301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	305196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	281889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118494	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75474	35.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.040%
35) Dibromofluoromethane	7.810	113	89880	42.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.080%
50) Toluene-d8	10.269	98	381447	44.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.100%
62) 4-Bromofluorobenzene	12.575	95	103791	40.546	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.100%

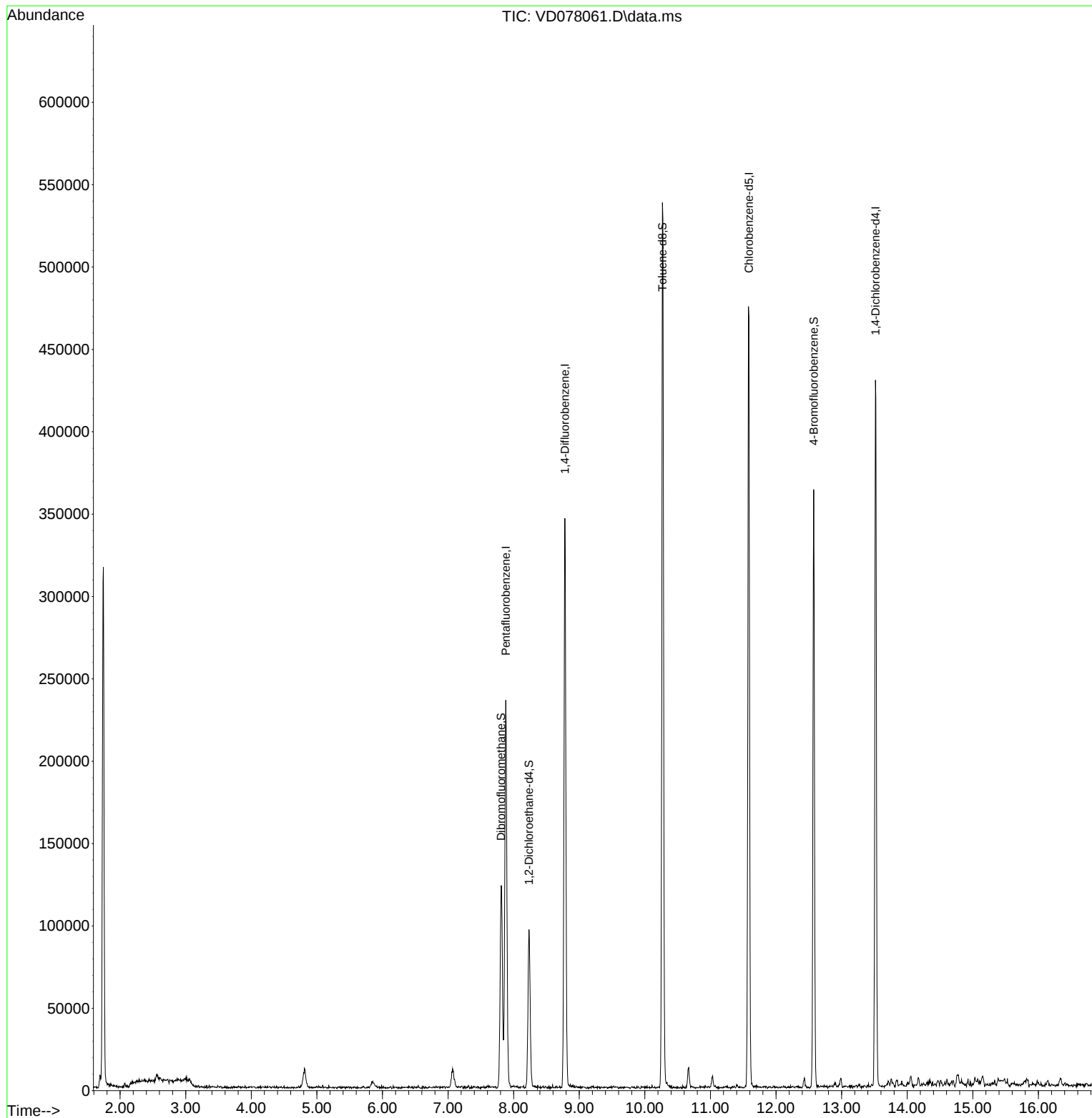
Target Compounds	Qvalue

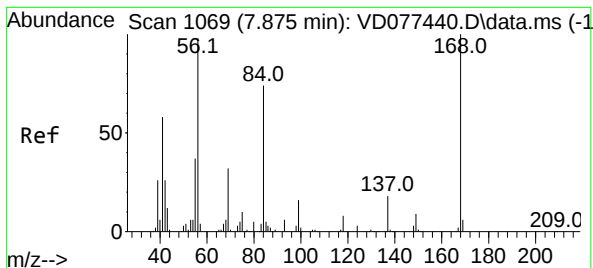
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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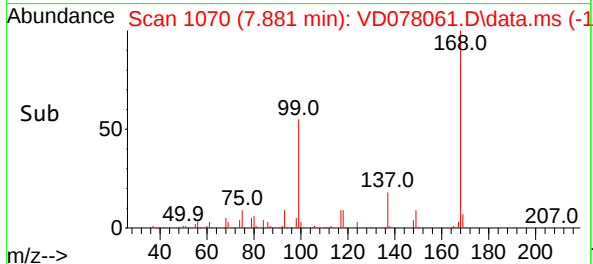
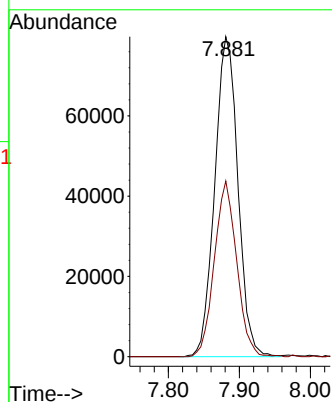
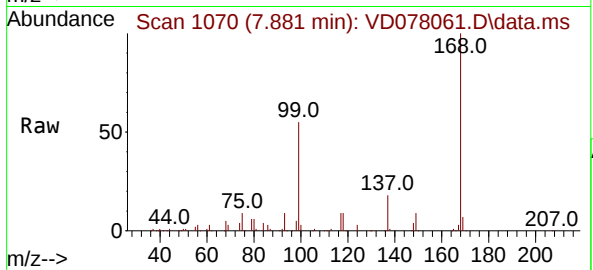




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD078061.D
Acq: 22 Dec 2023 13:58

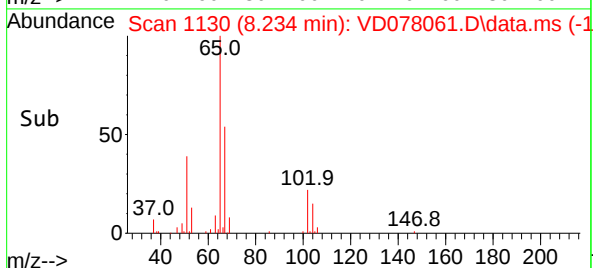
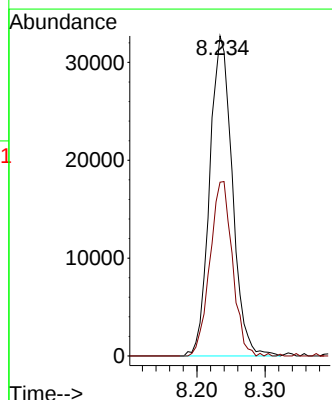
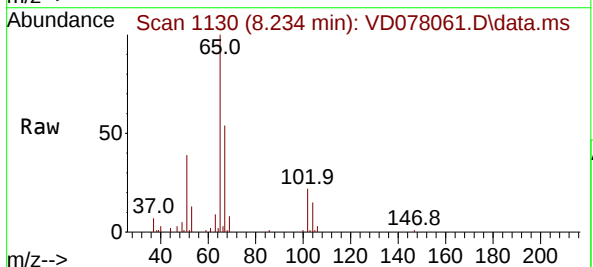
Instrument :
MSVOA_D
ClientSampleId :
PL-02-122023

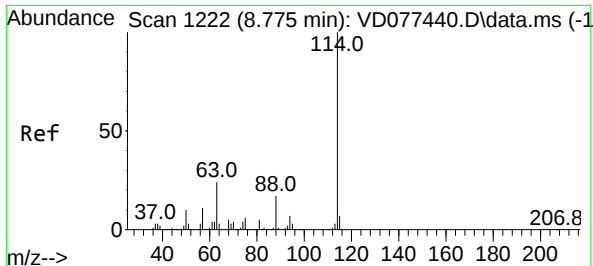
Tgt Ion:168 Resp: 180301
Ion Ratio Lower Upper
168 100
99 54.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 35.524 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078061.D
Acq: 22 Dec 2023 13:58

Tgt Ion: 65 Resp: 75474
Ion Ratio Lower Upper
65 100
67 54.3 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: VD078061.D

Acq: 22 Dec 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

PL-02-122023

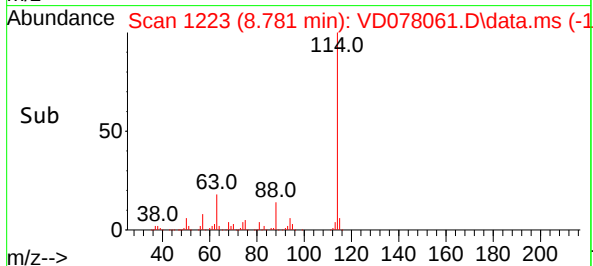
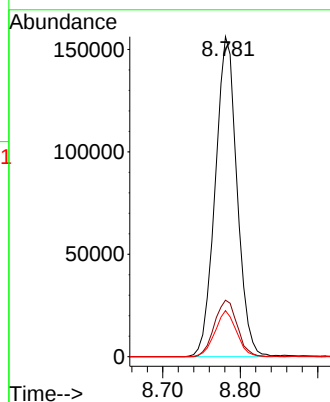
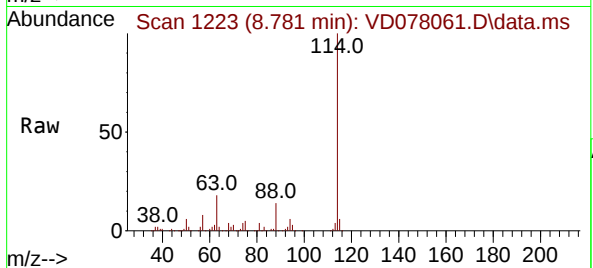
Tgt Ion:114 Resp: 305196

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.043 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078061.D

Acq: 22 Dec 2023 13:58

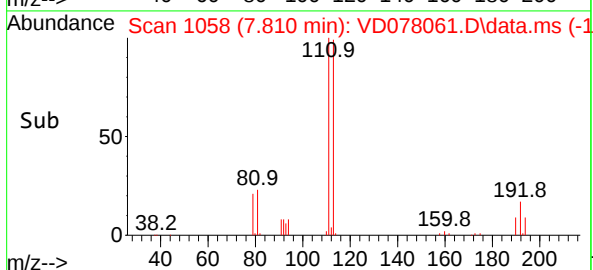
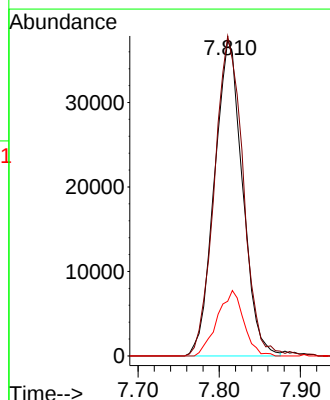
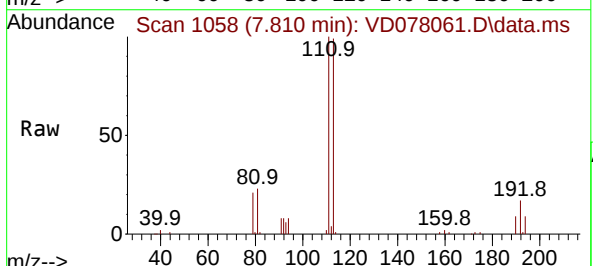
Tgt Ion:113 Resp: 89880

Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 19.6 16.8 25.2

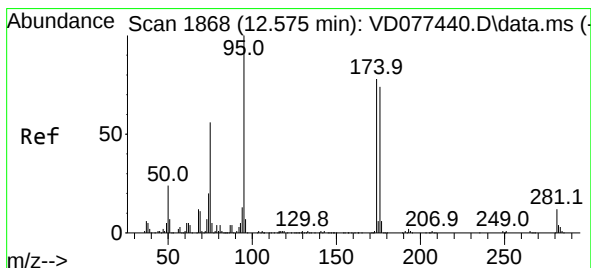
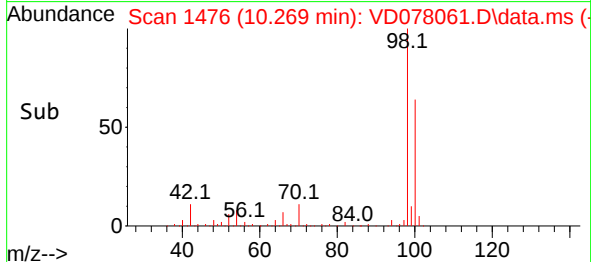
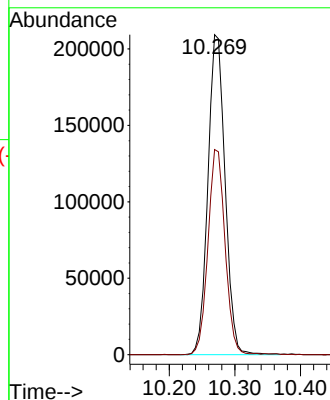
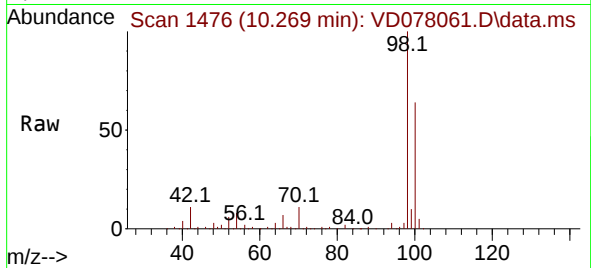




#50
Toluene-d8
Concen: 44.550 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078061.D
Acq: 22 Dec 2023 13:58

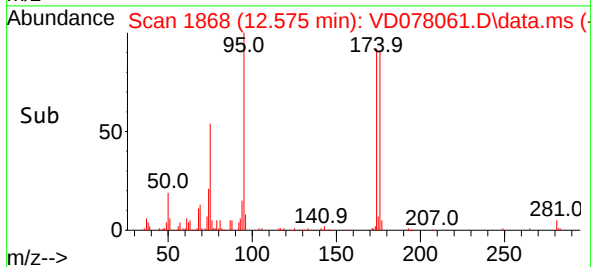
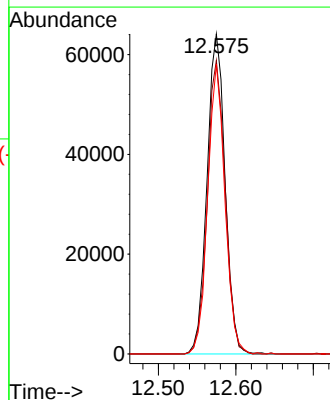
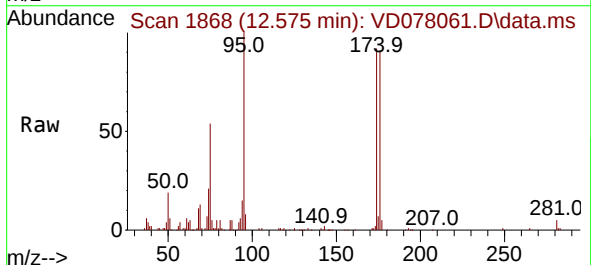
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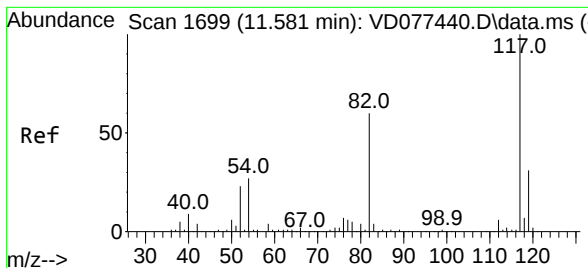
Tgt Ion: 98 Resp: 381447
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 40.546 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078061.D
Acq: 22 Dec 2023 13:58

Tgt Ion: 95 Resp: 103791
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 86.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078061.D

Acq: 22 Dec 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

PL-02-122023

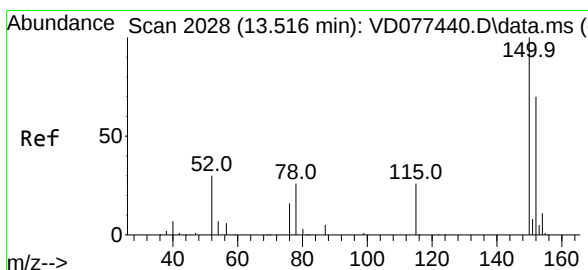
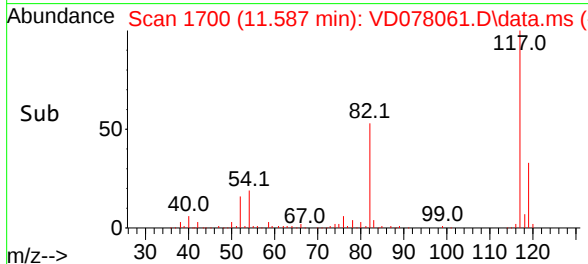
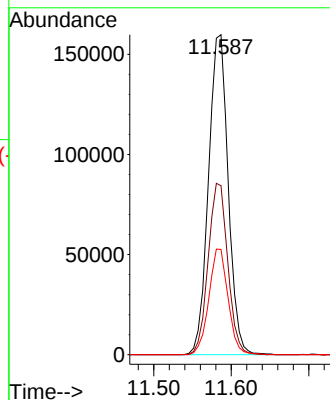
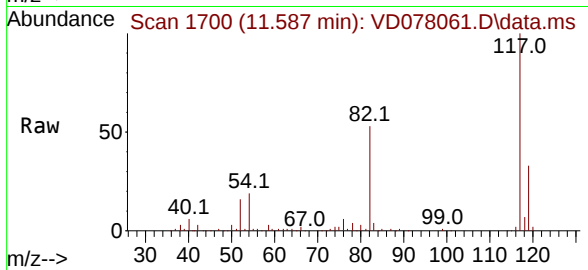
Tgt Ion:117 Resp: 281889

Ion Ratio Lower Upper

117 100

82 52.8 38.3 57.5

119 32.9 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078061.D

Acq: 22 Dec 2023 13:58

Tgt Ion:152 Resp: 118494

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 155.1 0.0 353.6

