

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077838.D
 Acq On : 12 Dec 2023 13:30
 Operator : JC/SY
 Sample : 05701-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-120723

Quant Time: Dec 12 14:23:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	123301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	243096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	111318	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73652	50.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.380%
35) Dibromofluoromethane	7.810	113	78779	46.264	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.275	98	312265	45.787	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.580%
62) 4-Bromofluorobenzene	12.575	95	96157	47.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.320%

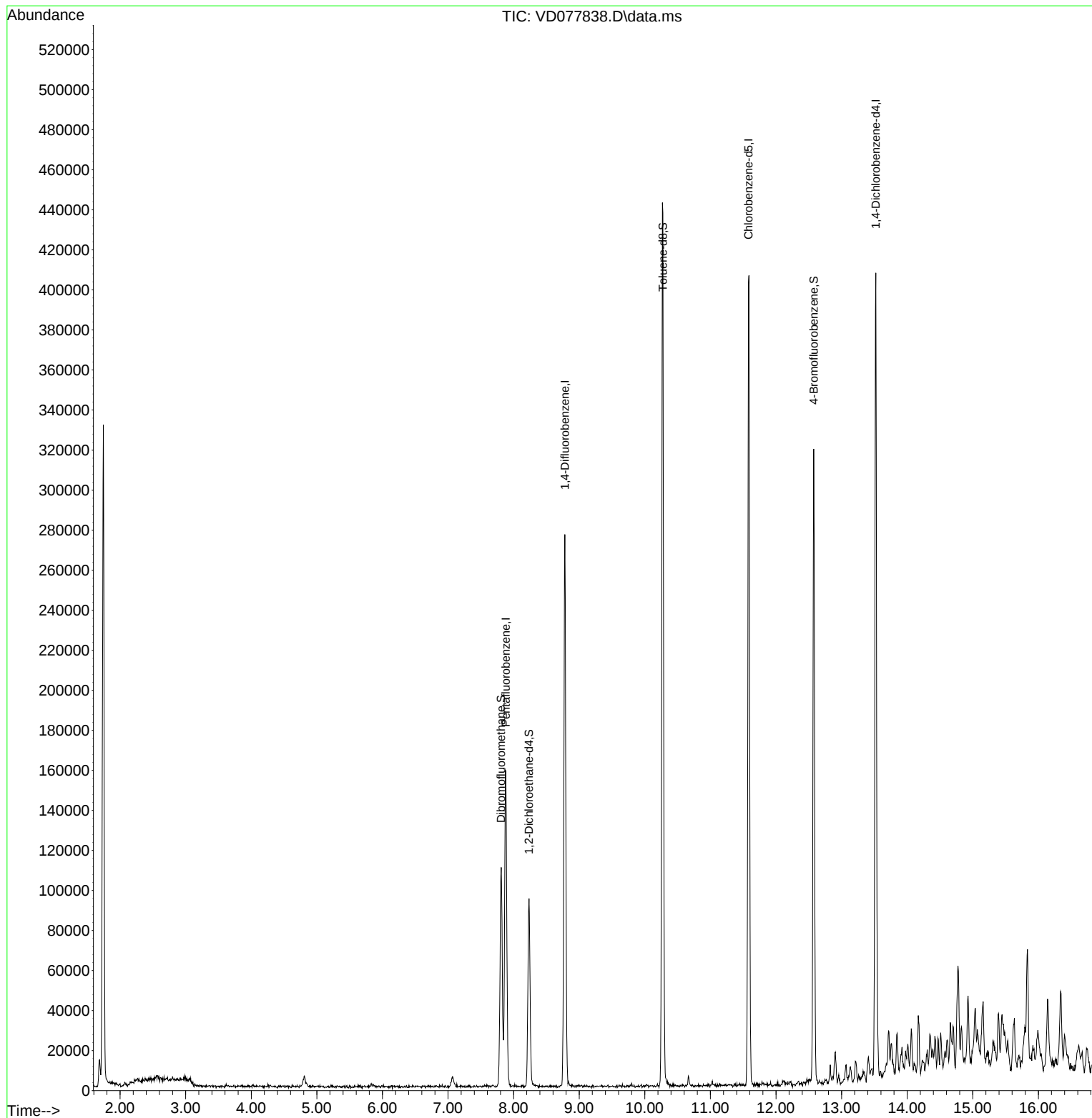
Target Compounds	Qvalue

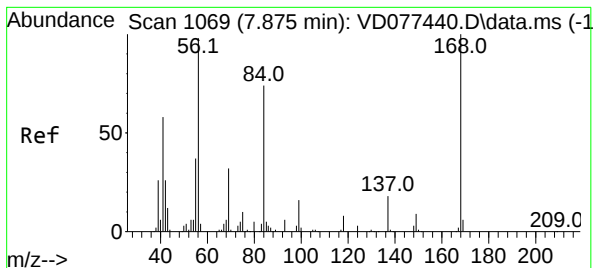
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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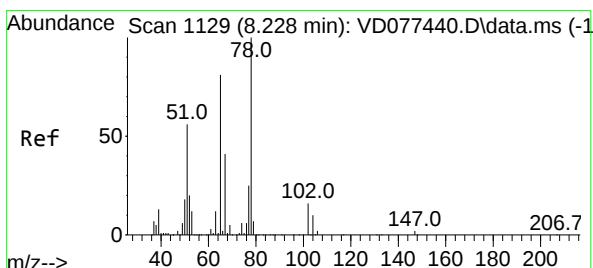
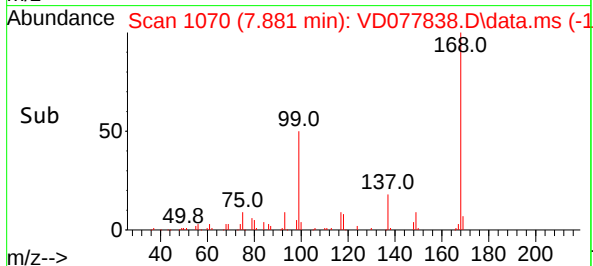
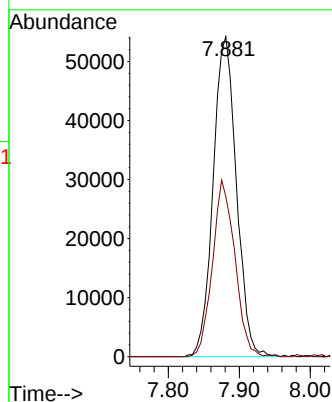
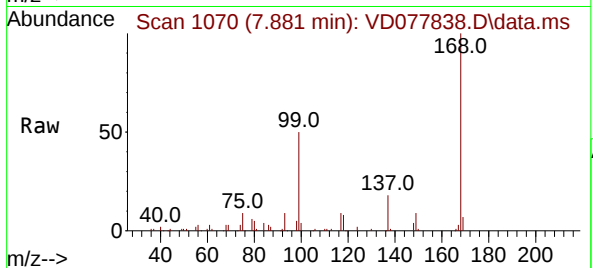




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

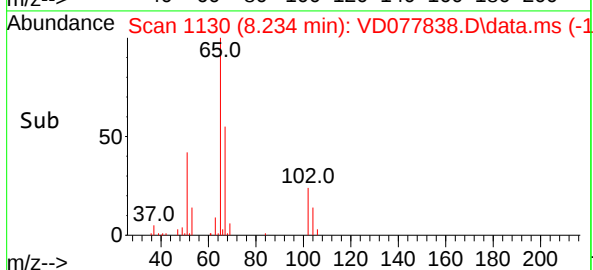
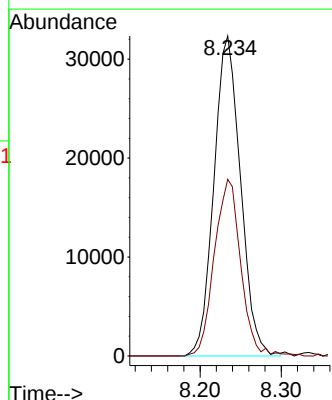
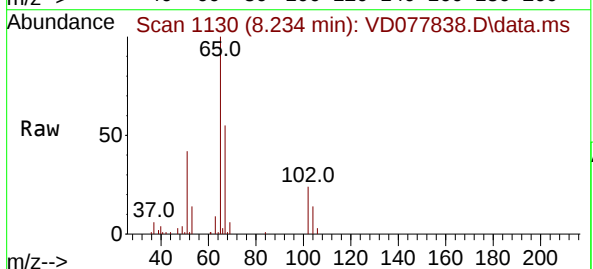
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

Tgt Ion:168 Resp: 123301
Ion Ratio Lower Upper
168 100
99 50.1 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 50.692 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion: 65 Resp: 73652
Ion Ratio Lower Upper
65 100
67 54.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077838.D

Acq: 12 Dec 2023 13:30

Instrument :

MSVOA_D

ClientSampleId :

TR-06-120723

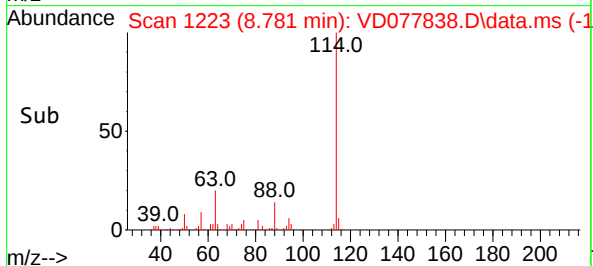
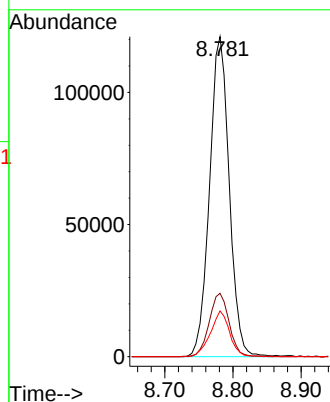
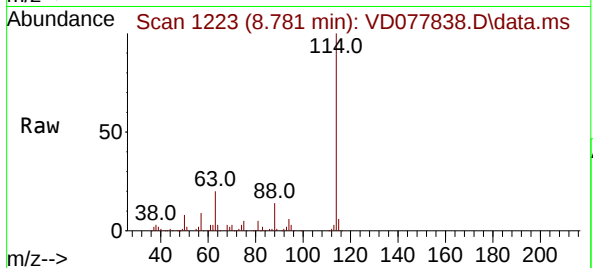
Tgt Ion:114 Resp: 243096

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.264 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077838.D

Acq: 12 Dec 2023 13:30

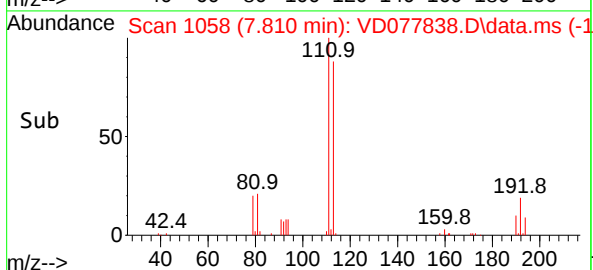
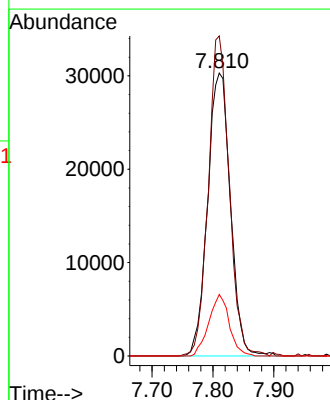
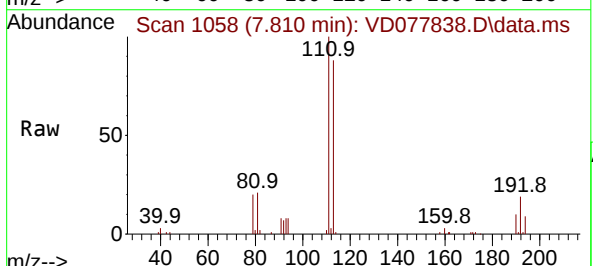
Tgt Ion:113 Resp: 78779

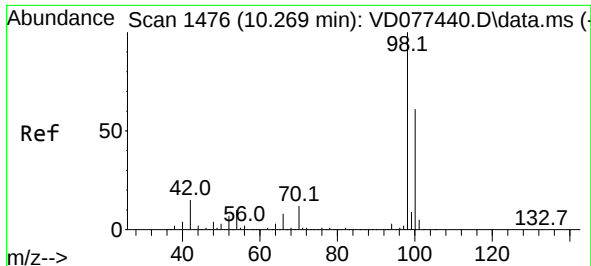
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 19.5 16.8 25.2

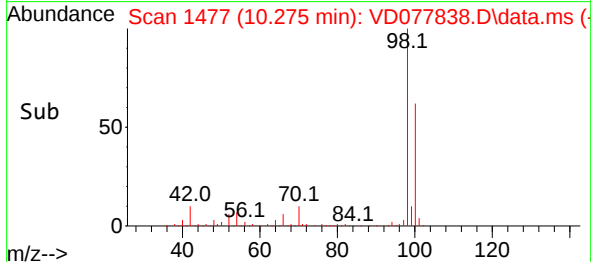
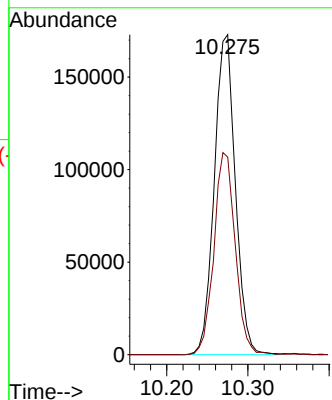
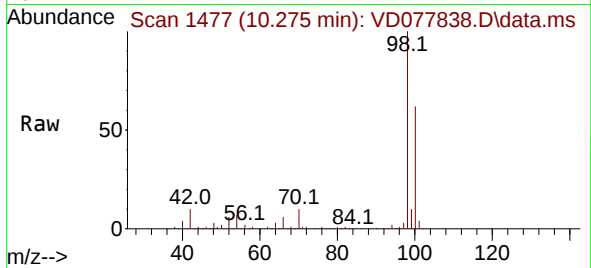




#50
Toluene-d8
Concen: 45.787 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

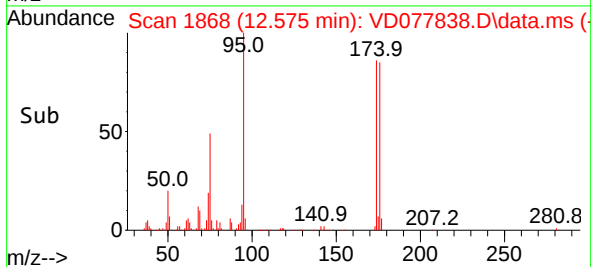
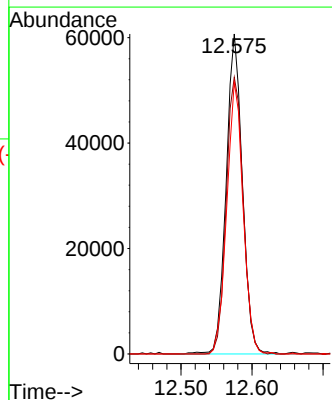
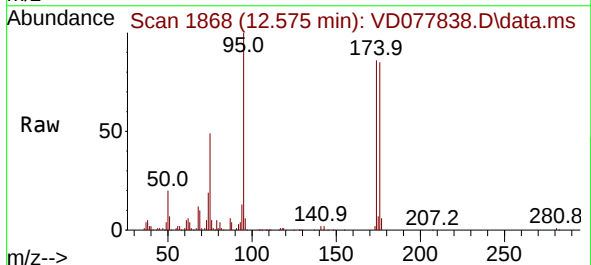
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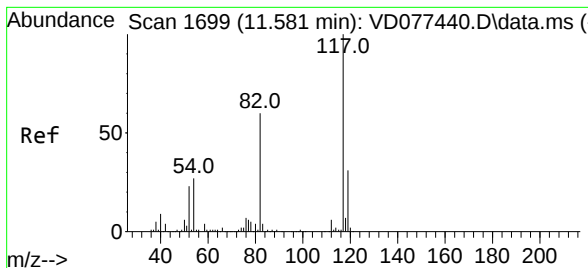
Tgt Ion: 98 Resp: 312265
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.159 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion: 95 Resp: 96157
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 85.5 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: VD077838.D

Acq: 12 Dec 2023 13:30

Instrument :

MSVOA_D

ClientSampleId :

TR-06-120723

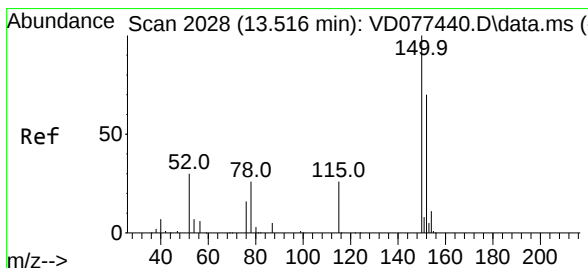
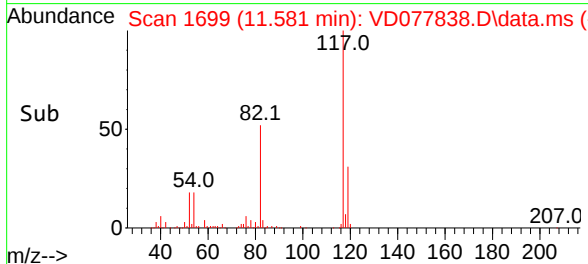
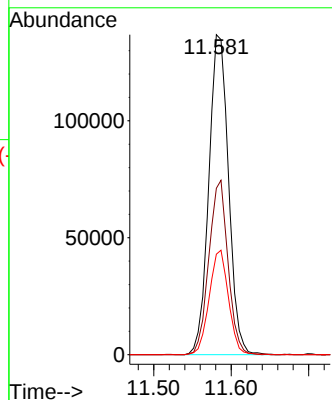
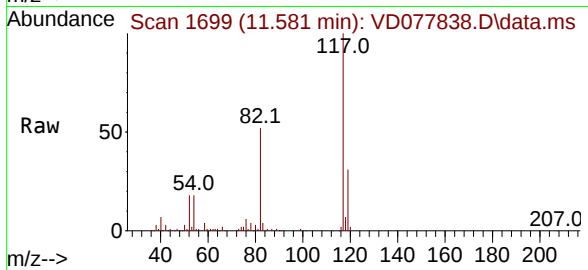
Tgt Ion:117 Resp: 241368

Ion Ratio Lower Upper

117 100

82 52.0 38.3 57.5

119 31.4 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: VD077838.D

Acq: 12 Dec 2023 13:30

Tgt Ion:152 Resp: 111318

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.3

150 155.2 0.0 353.6

