

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077815.D
 Acq On : 11 Dec 2023 17:02
 Operator : JC/SY
 Sample : 05659-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-120623

Quant Time: Dec 11 17:05:38 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	139263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	144958	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88611	53.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.000%
35) Dibromofluoromethane	7.804	113	110100	47.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.300%
50) Toluene-d8	10.269	98	449537	48.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.140%
62) 4-Bromofluorobenzene	12.575	95	123656	44.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.460%

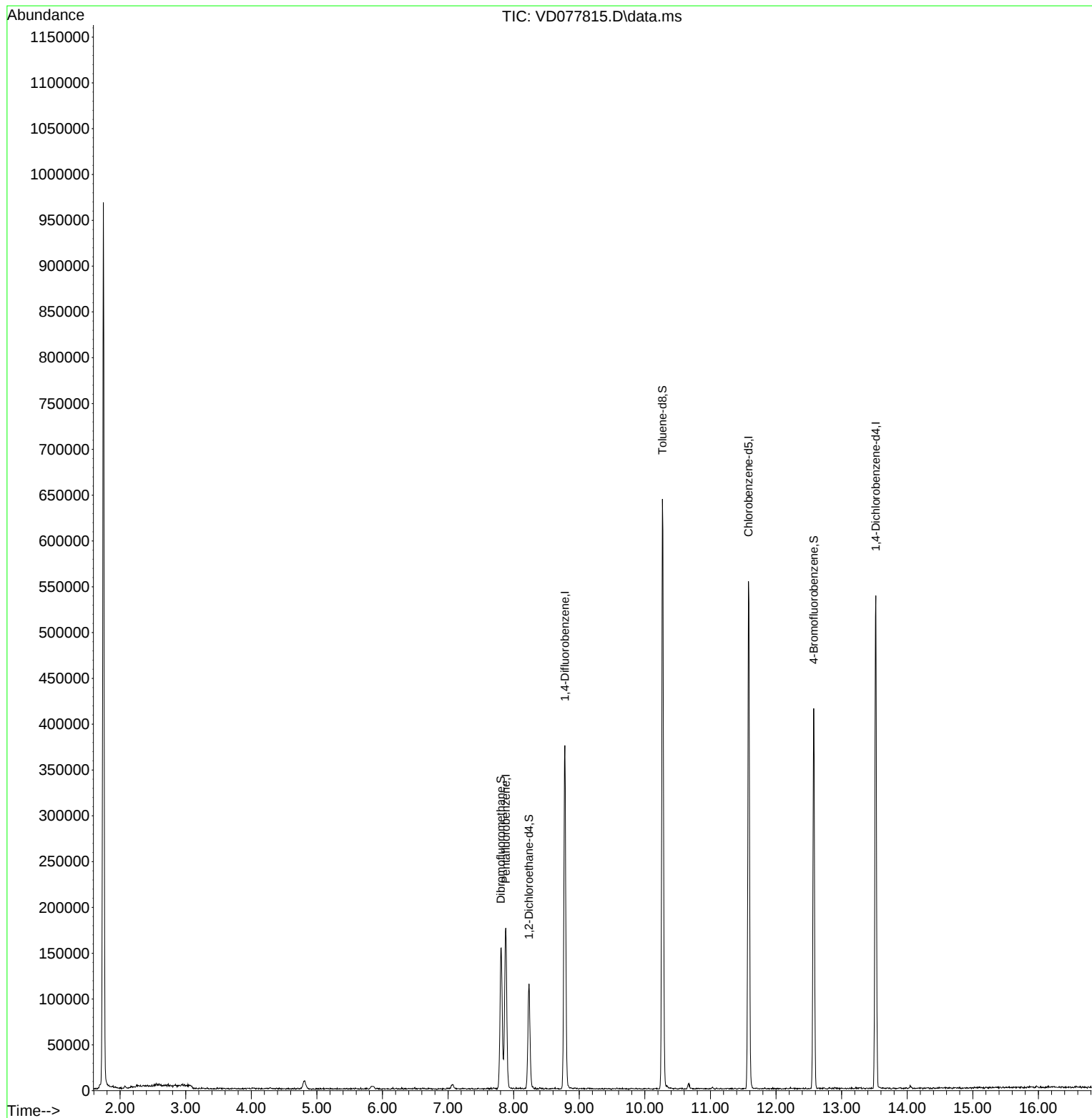
Target Compounds	Qvalue

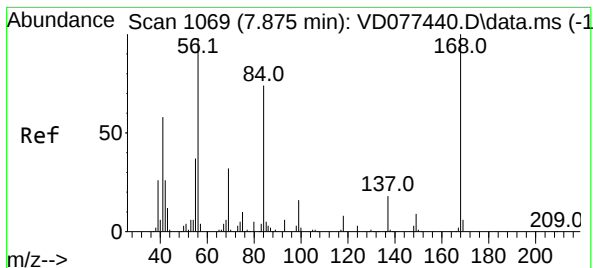
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD077815.D

Acq: 11 Dec 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

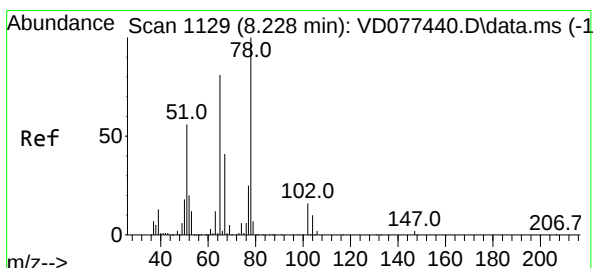
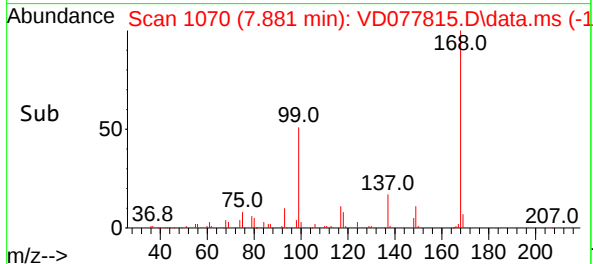
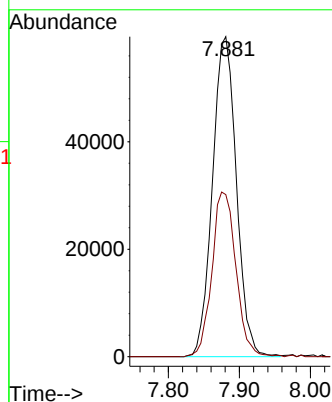
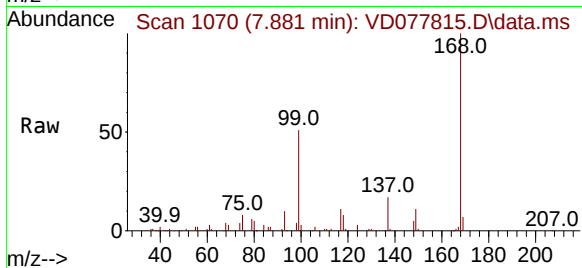
SU-04-120623

Tgt Ion:168 Resp: 139263

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 53.998 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077815.D

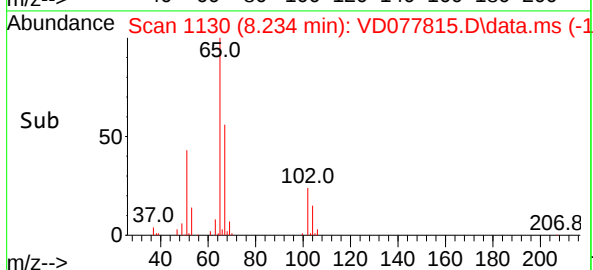
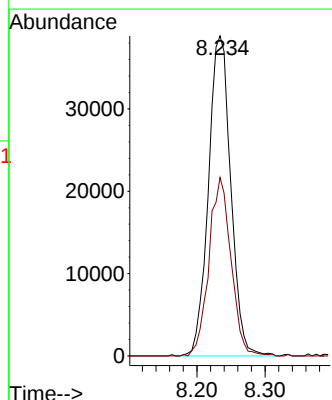
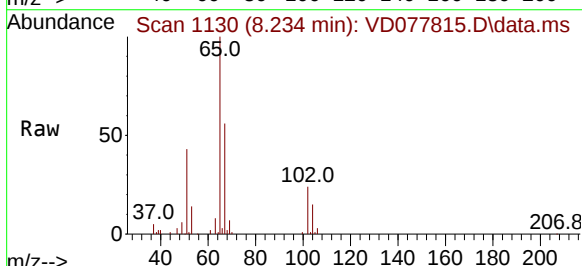
Acq: 11 Dec 2023 17:02

Tgt Ion: 65 Resp: 88611

Ion Ratio Lower Upper

65 100

67 55.1 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: VD077815.D

Acq: 11 Dec 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

SU-04-120623

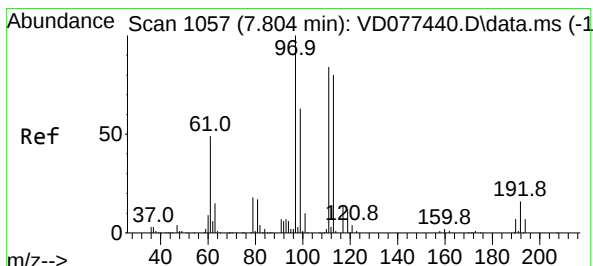
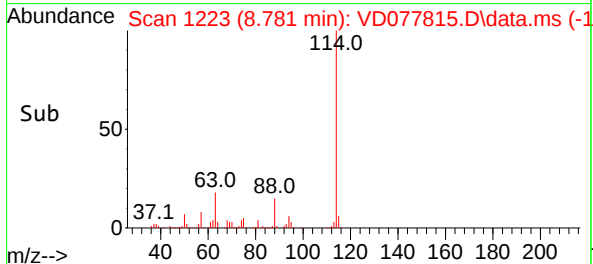
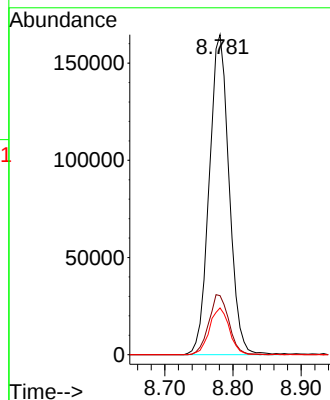
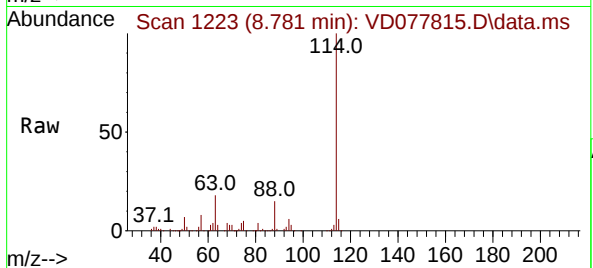
Tgt Ion:114 Resp: 333339

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.154 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077815.D

Acq: 11 Dec 2023 17:02

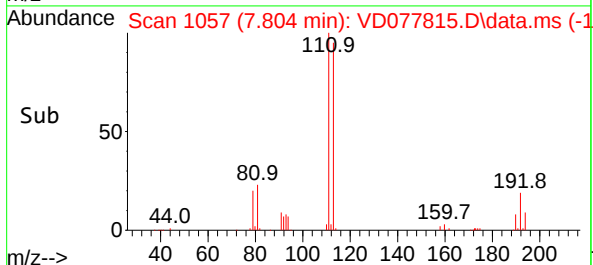
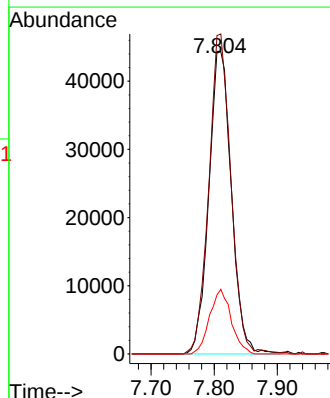
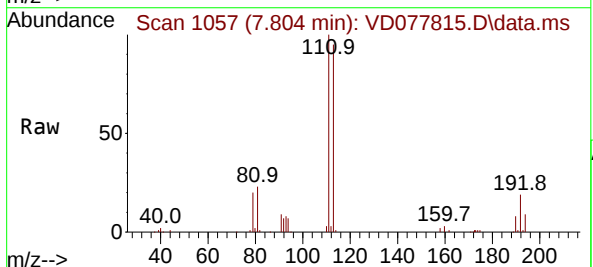
Tgt Ion:113 Resp: 110100

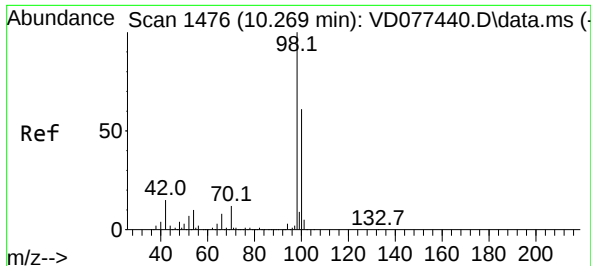
Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 20.5 16.8 25.2

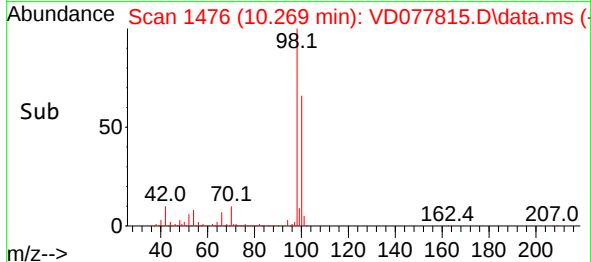
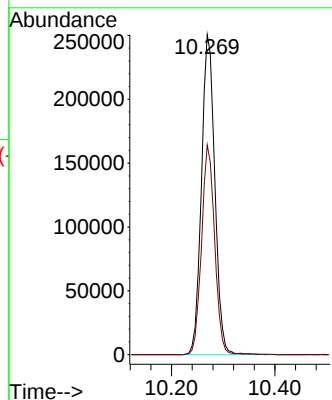
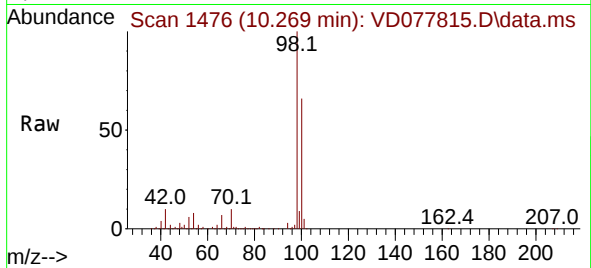




#50
Toluene-d8
Concen: 48.070 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

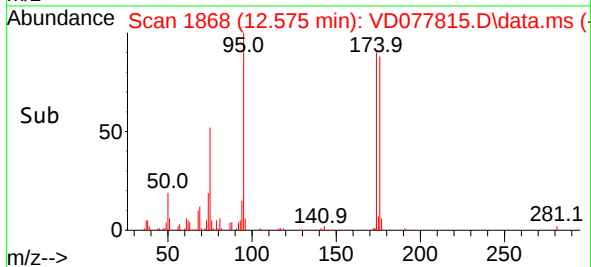
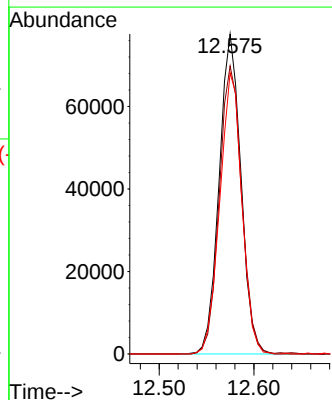
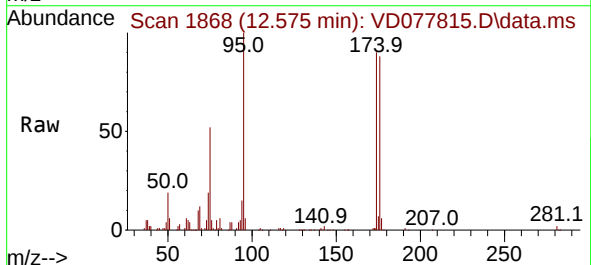
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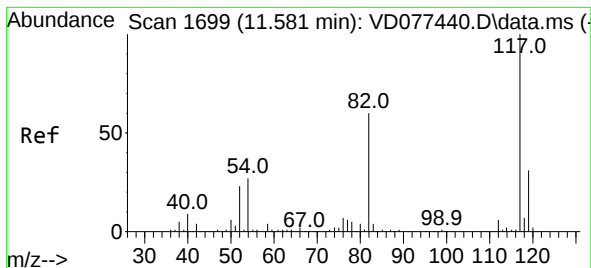
Tgt Ion: 98 Resp: 449537
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.227 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 95 Resp: 123656
Ion Ratio Lower Upper
95 100
174 92.8 0.0 201.8
176 89.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077815.D

Acq: 11 Dec 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

SU-04-120623

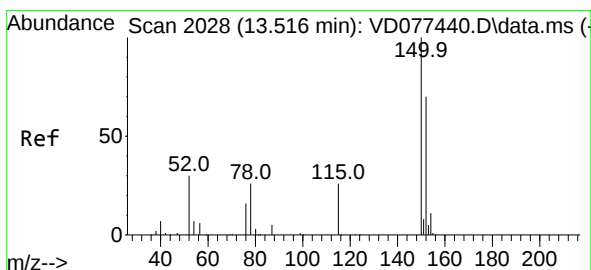
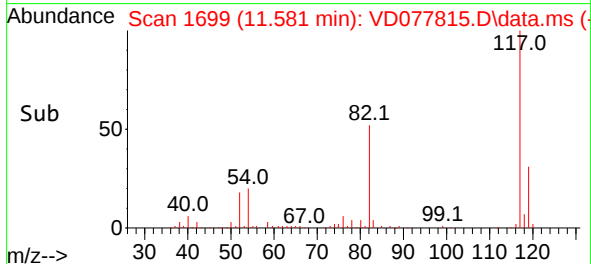
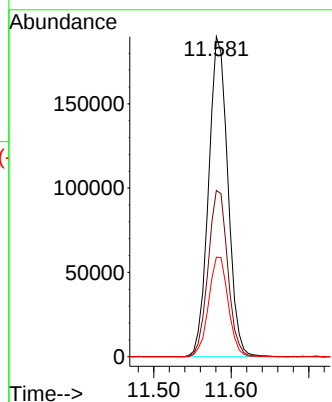
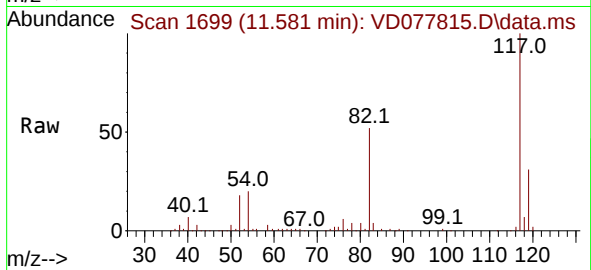
Tgt Ion:117 Resp: 327266

Ion Ratio Lower Upper

117 100

82 52.0 38.3 57.5

119 31.1 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: VD077815.D

Acq: 11 Dec 2023 17:02

Tgt Ion:152 Resp: 144958

Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 155.9 0.0 353.6

