

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077897.D
 Acq On : 15 Dec 2023 12:20
 Operator : RP/MD
 Sample : 05611-06
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-6

Quant Time: Dec 16 03:59:21 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	7.887	168	10654	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.781	114	19285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	18443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	6981	55.607	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.220%
35) Dibromofluoromethane	7.810	113	6347	46.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.980%
50) Toluene-d8	10.275	98	22819	42.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.360%
62) 4-Bromofluorobenzene	12.575	95	7356	45.476	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.960%

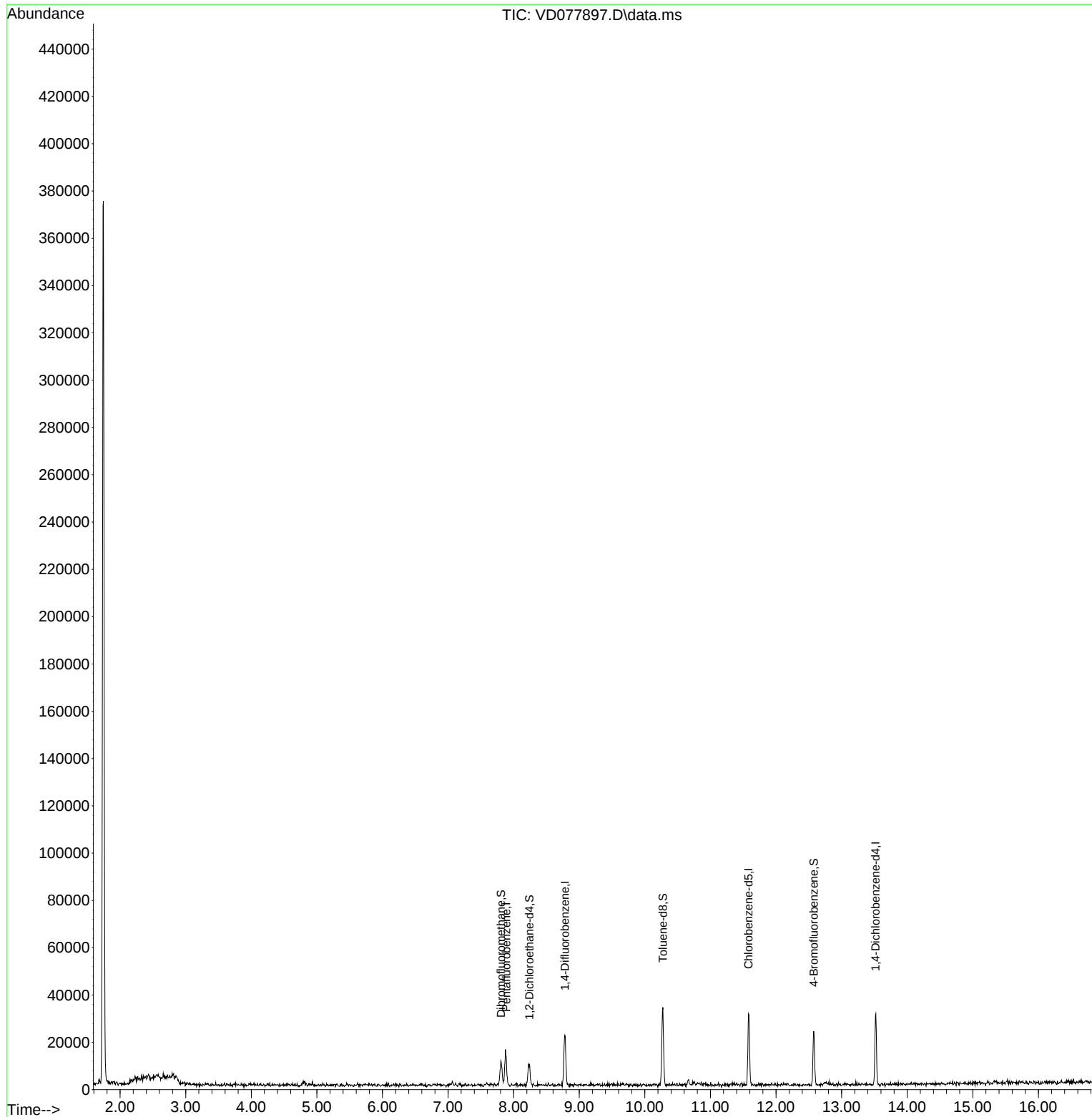
Target Compounds	Qvalue

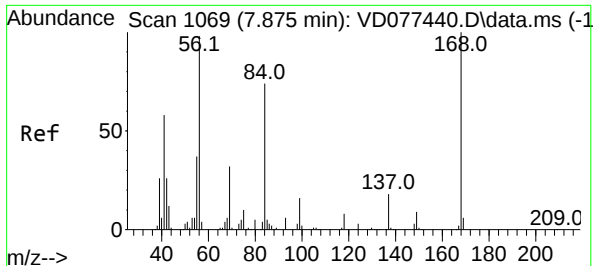
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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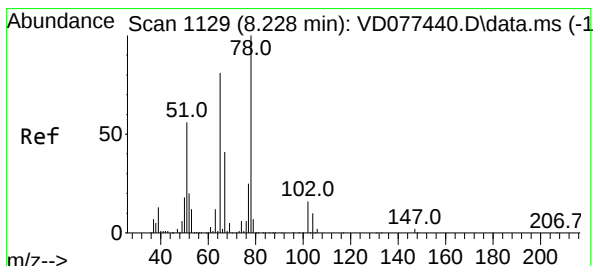
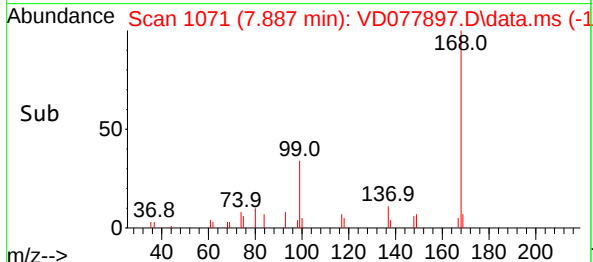
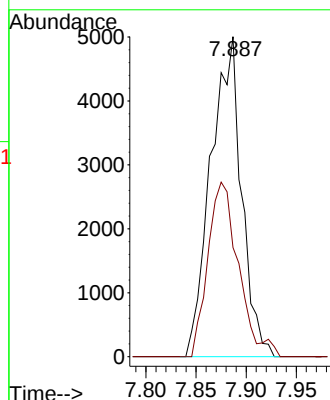
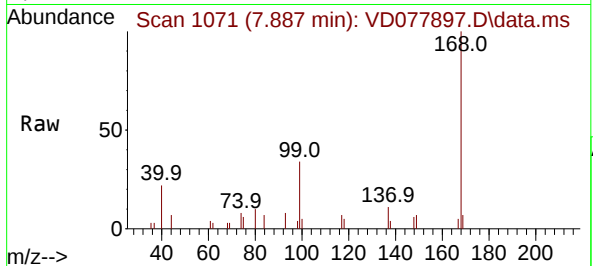




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.887 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VD077897.D
Acq: 15 Dec 2023 12:20

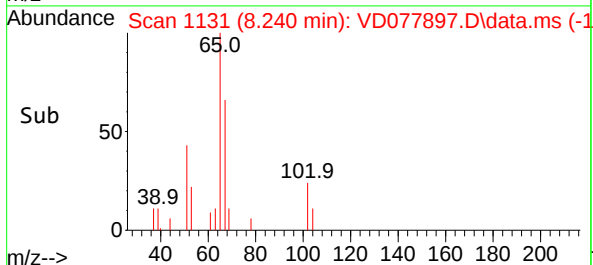
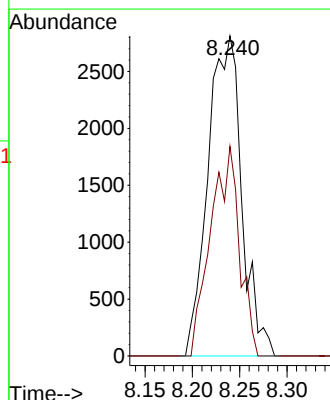
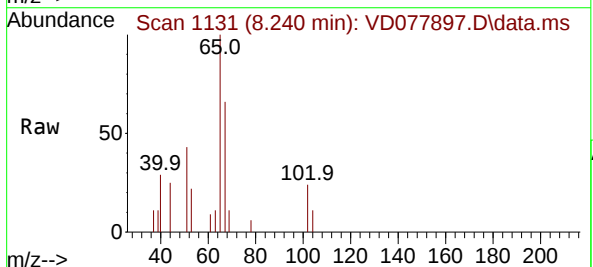
Instrument :
MSVOA_D
ClientSampleId :
PE-6

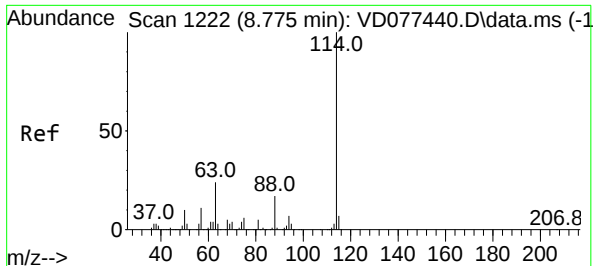
Tgt Ion:168 Resp: 10654
Ion Ratio Lower Upper
168 100
99 34.1 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 55.607 ug/l
RT: 8.240 min Scan# 1131
Delta R.T. 0.012 min
Lab File: VD077897.D
Acq: 15 Dec 2023 12:20

Tgt Ion: 65 Resp: 6981
Ion Ratio Lower Upper
65 100
67 55.9 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: VD077897.D

Acq: 15 Dec 2023 12:20

Instrument :

MSVOA_D

ClientSampleId :

PE-6

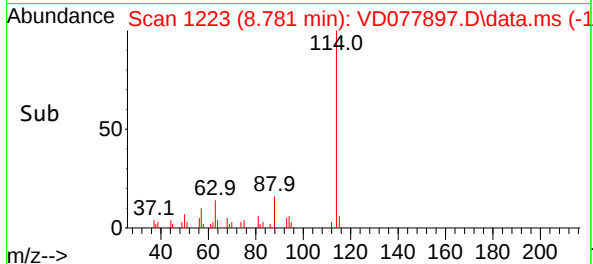
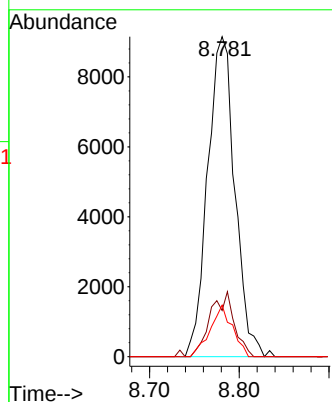
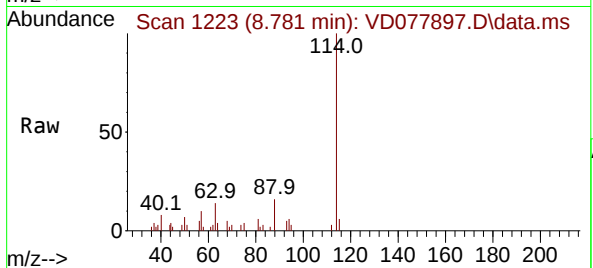
Tgt Ion:114 Resp: 19285

Ion Ratio Lower Upper

114 100

63 14.4 0.0 33.4

88 16.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.985 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077897.D

Acq: 15 Dec 2023 12:20

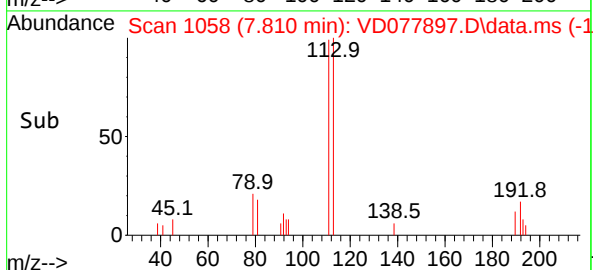
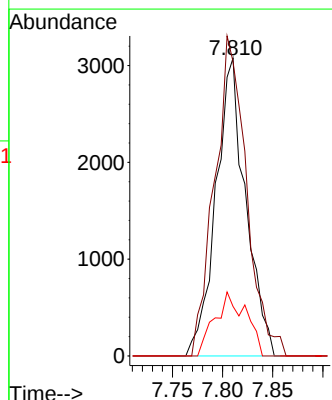
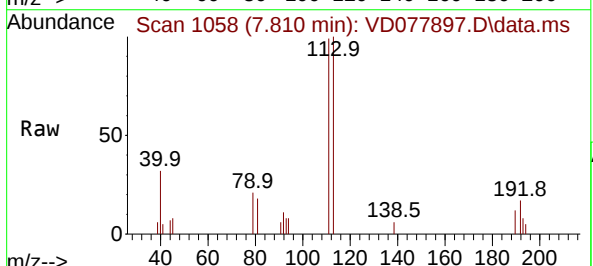
Tgt Ion:113 Resp: 6347

Ion Ratio Lower Upper

113 100

111 115.0 84.7 127.1

192 22.5 16.8 25.2

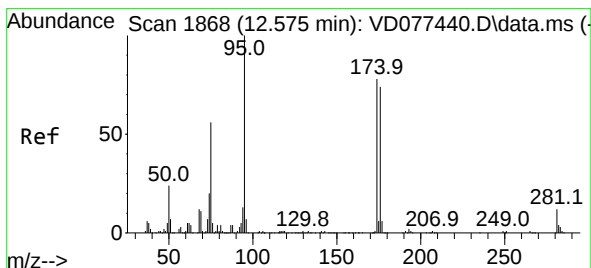
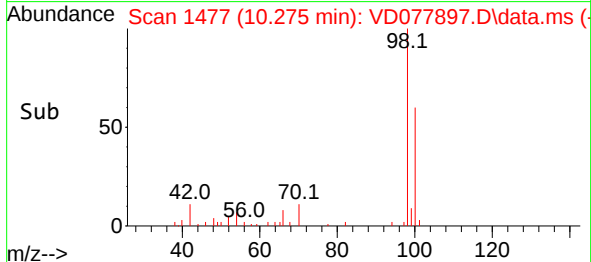
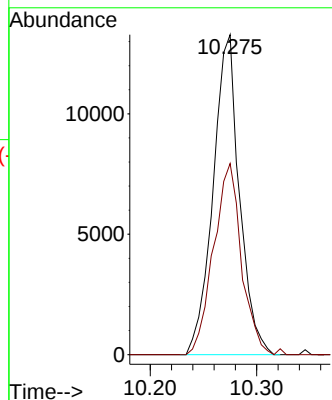
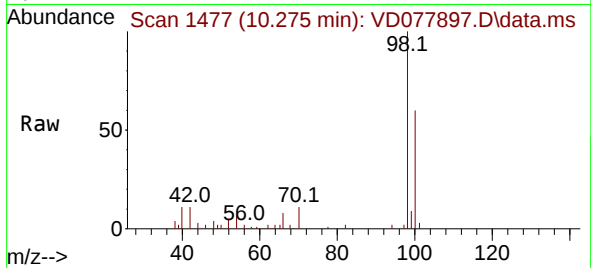




#50
Toluene-d8
Concen: 42.177 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077897.D
Acq: 15 Dec 2023 12:20

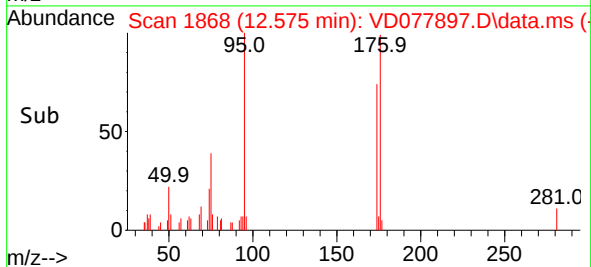
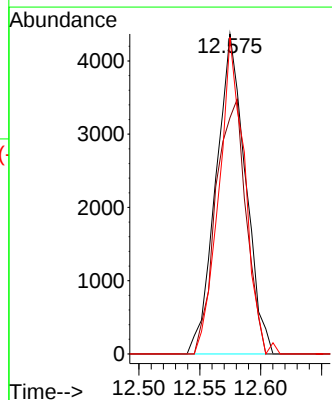
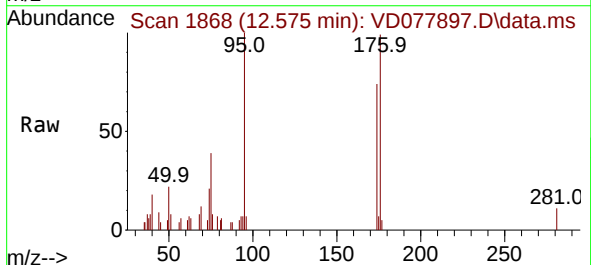
Instrument :
MSVOA_D
ClientSampleId :
PE-6

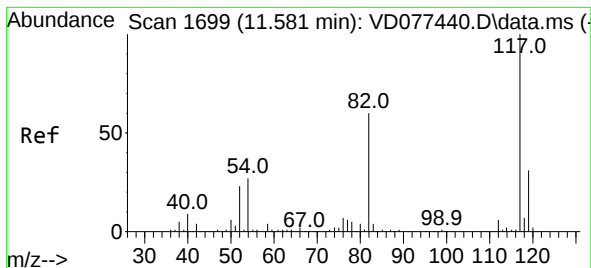
Tgt Ion: 98 Resp: 22819
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.476 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077897.D
Acq: 15 Dec 2023 12:20

Tgt Ion: 95 Resp: 7356
Ion Ratio Lower Upper
95 100
174 81.6 0.0 201.8
176 86.0 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: VD077897.D

Acq: 15 Dec 2023 12:20

Instrument :

MSVOA_D

ClientSampleId :

PE-6

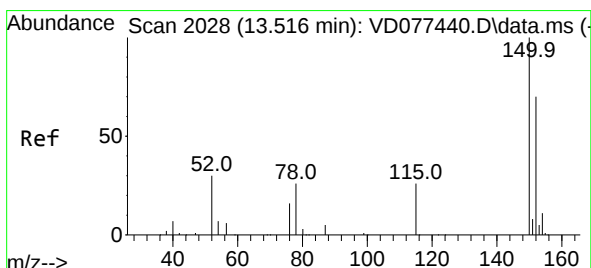
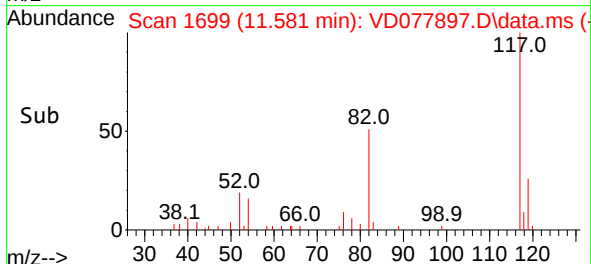
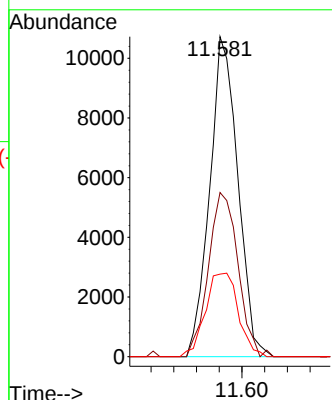
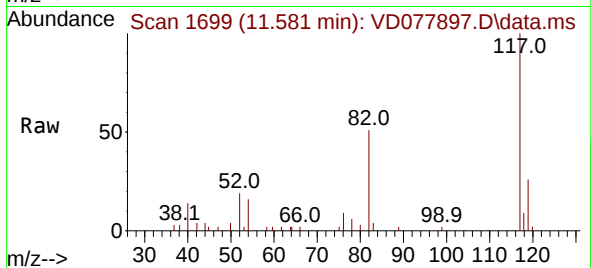
Tgt Ion:117 Resp: 18443

Ion Ratio Lower Upper

117 100

82 51.3 38.3 57.5

119 25.8 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: VD077897.D

Acq: 15 Dec 2023 12:20

Tgt Ion:152 Resp: 8526

Ion Ratio Lower Upper

152 100

115 52.6 27.1 81.3

150 142.0 0.0 353.6

