

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077868.D
 Acq On : 13 Dec 2023 17:52
 Operator : RP/MD
 Sample : 05611-03
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-3

Quant Time: Dec 14 01:55:28 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	187654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	329954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78949	35.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.400%
35) Dibromofluoromethane	7.805	113	97521	42.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.380%
50) Toluene-d8	10.269	98	418251	45.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.575	95	114263	41.287	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.580%

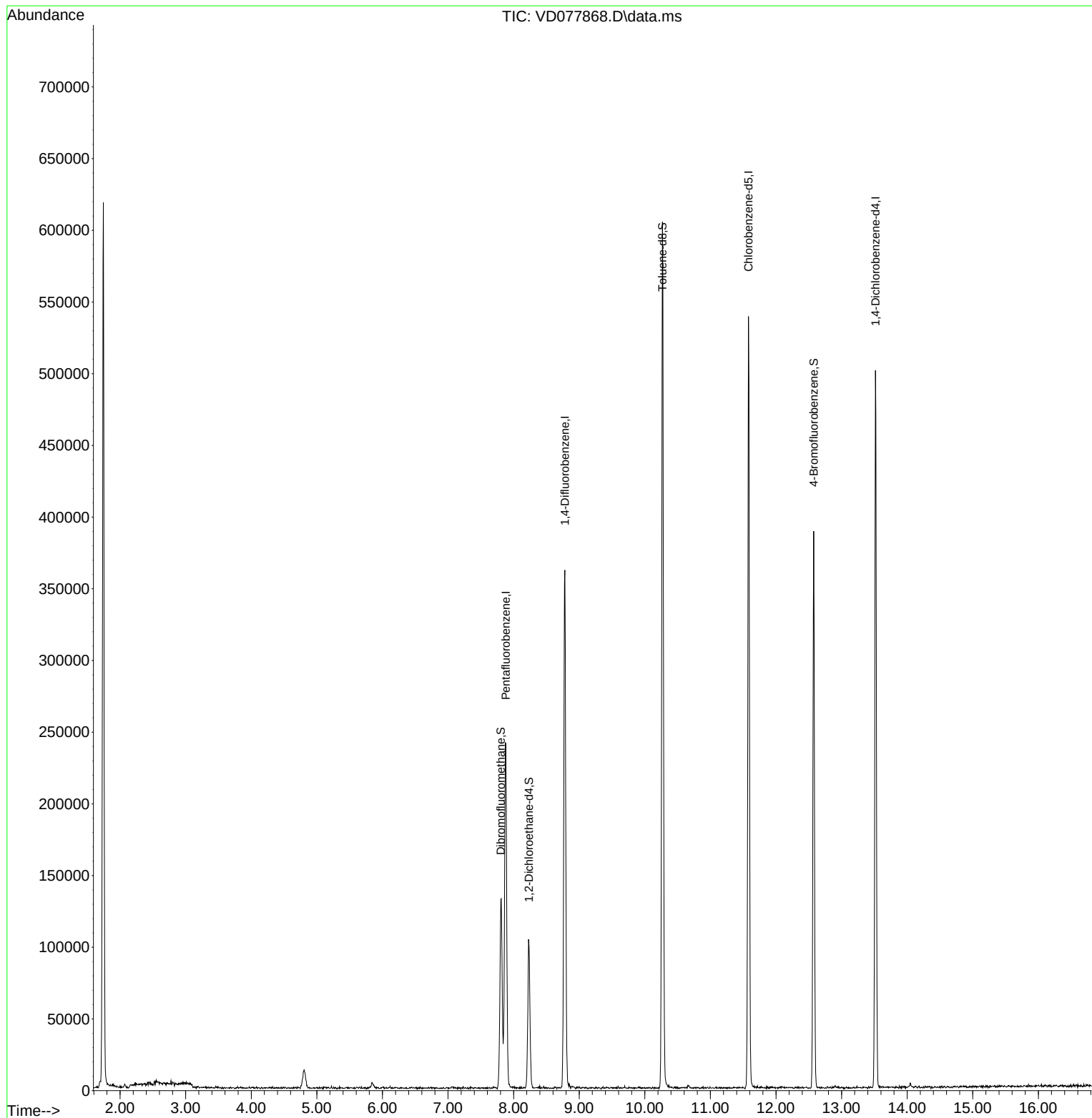
Target Compounds	Qvalue

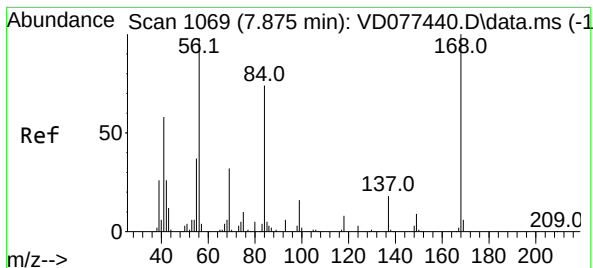
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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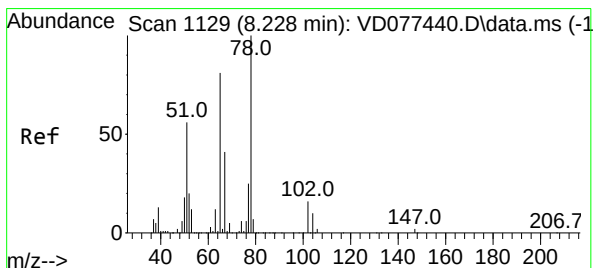
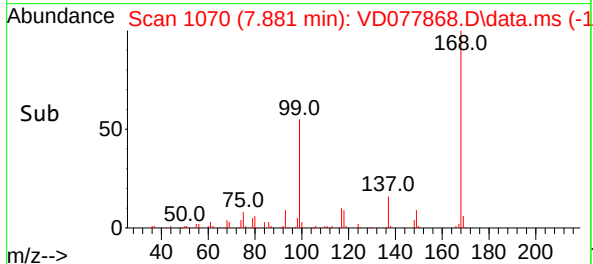
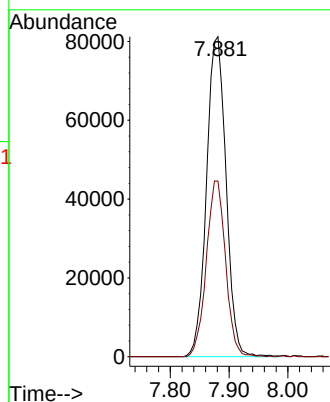
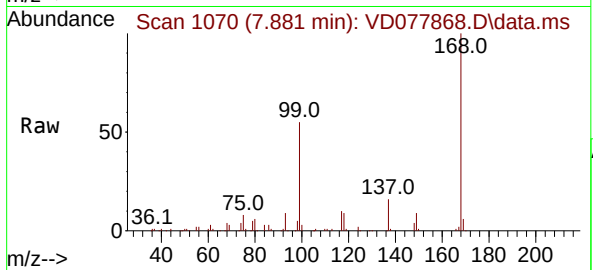




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

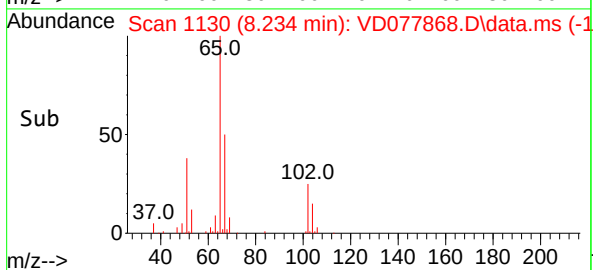
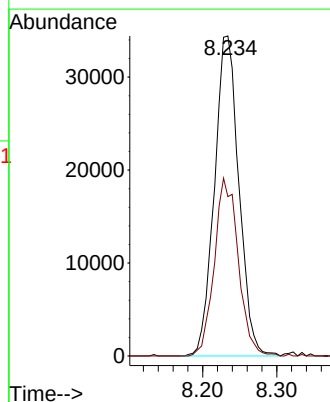
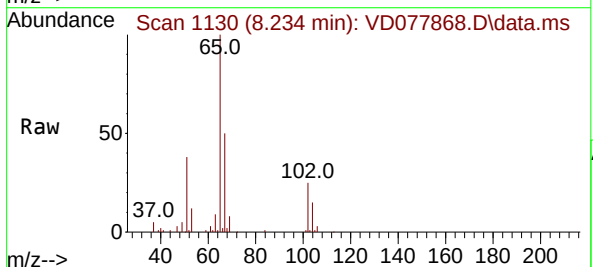
Instrument :
MSVOA_D
ClientSampleId :
PE-3

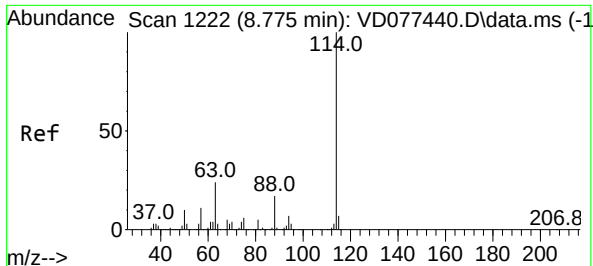
Tgt Ion:168 Resp: 187654
Ion Ratio Lower Upper
168 100
99 54.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 35.704 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

Tgt Ion: 65 Resp: 78949
Ion Ratio Lower Upper
65 100
67 54.2 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: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :

PE-3

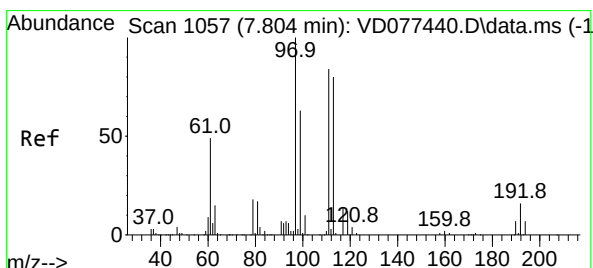
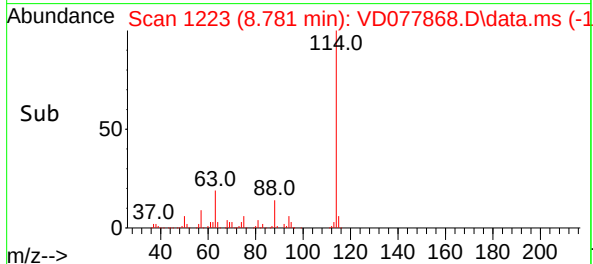
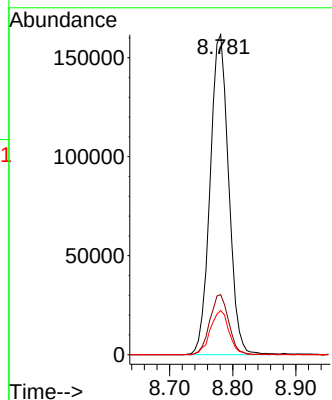
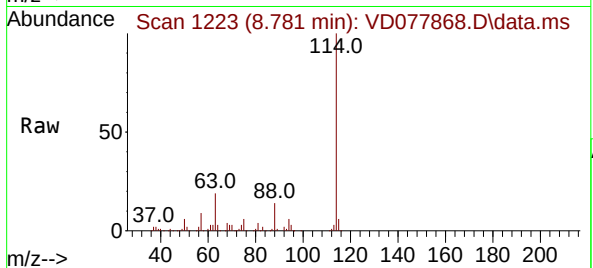
Tgt Ion:114 Resp: 329954

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.195 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

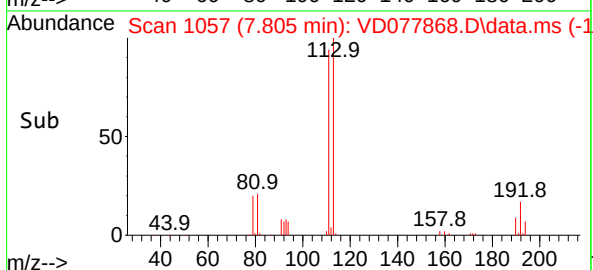
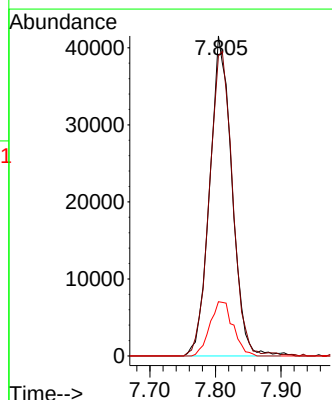
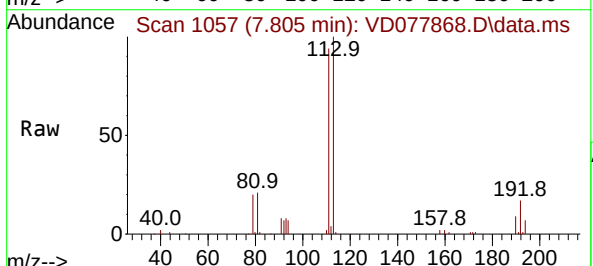
Tgt Ion:113 Resp: 97521

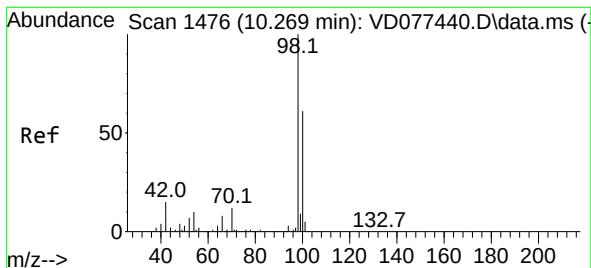
Ion Ratio Lower Upper

113 100

111 98.9 84.7 127.1

192 17.8 16.8 25.2





#50

Toluene-d8

Concen: 45.183 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :

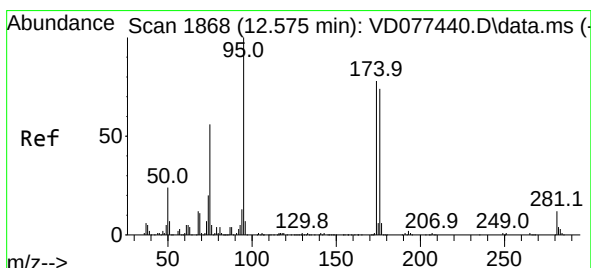
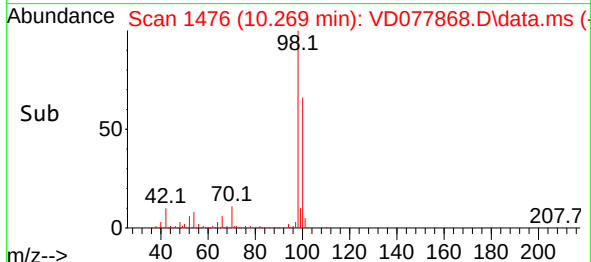
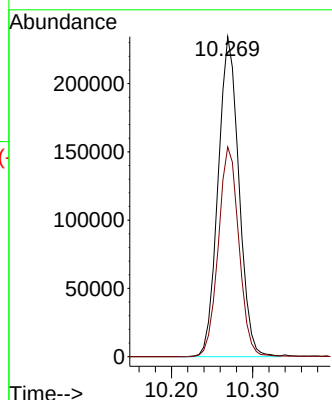
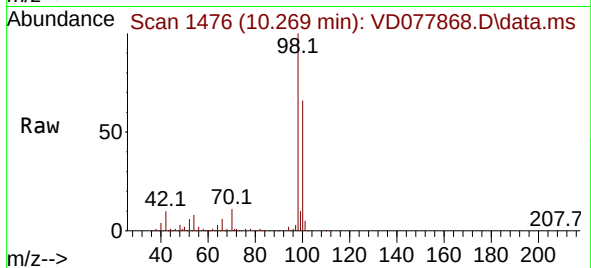
PE-3

Tgt Ion: 98 Resp: 418251

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 41.287 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

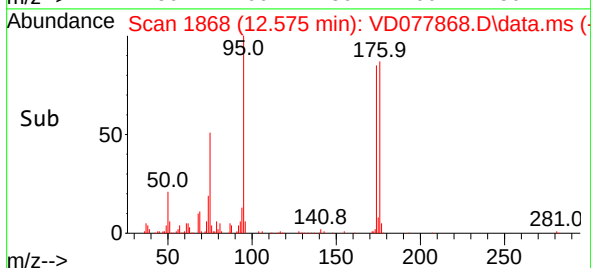
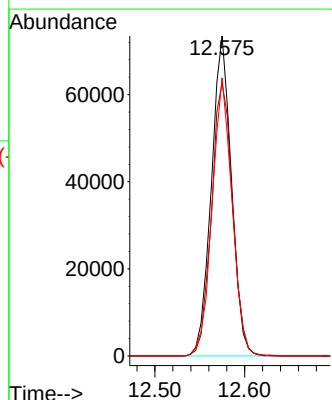
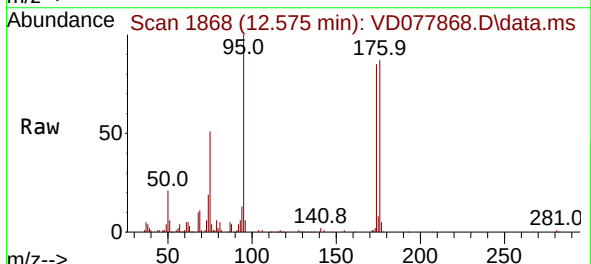
Tgt Ion: 95 Resp: 114263

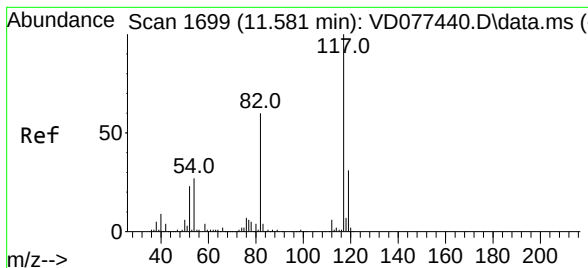
Ion Ratio Lower Upper

95 100

174 89.3 0.0 201.8

176 86.5 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: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :

PE-3

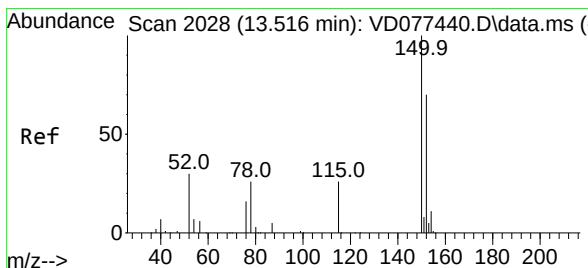
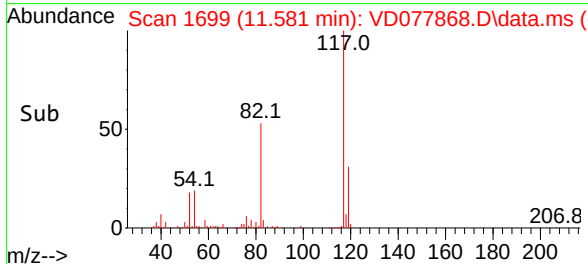
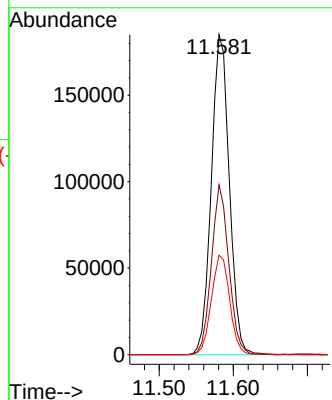
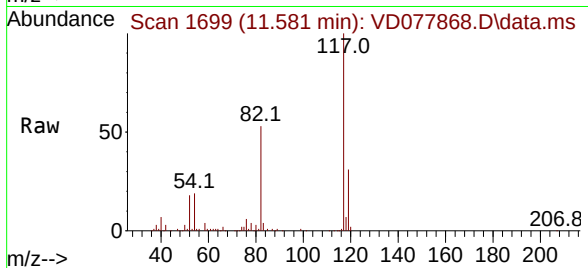
Tgt Ion:117 Resp: 312245

Ion Ratio Lower Upper

117 100

82 53.0 38.3 57.5

119 31.1 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: VD077868.D

Acq: 13 Dec 2023 17:52

Tgt Ion:152 Resp: 132476

Ion Ratio Lower Upper

152 100

115 57.8 27.1 81.3

150 156.1 0.0 353.6

