

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077822.D
 Acq On : 11 Dec 2023 20:10
 Operator : JC/SY
 Sample : 05628-05
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0

Quant Time: Dec 12 00:52:03 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	134631	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	327706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143507	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89299	56.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.580%
35) Dibromofluoromethane	7.810	113	109026	47.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.000%
50) Toluene-d8	10.269	98	439211	47.773	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.540%
62) 4-Bromofluorobenzene	12.575	95	125112	45.517	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.040%

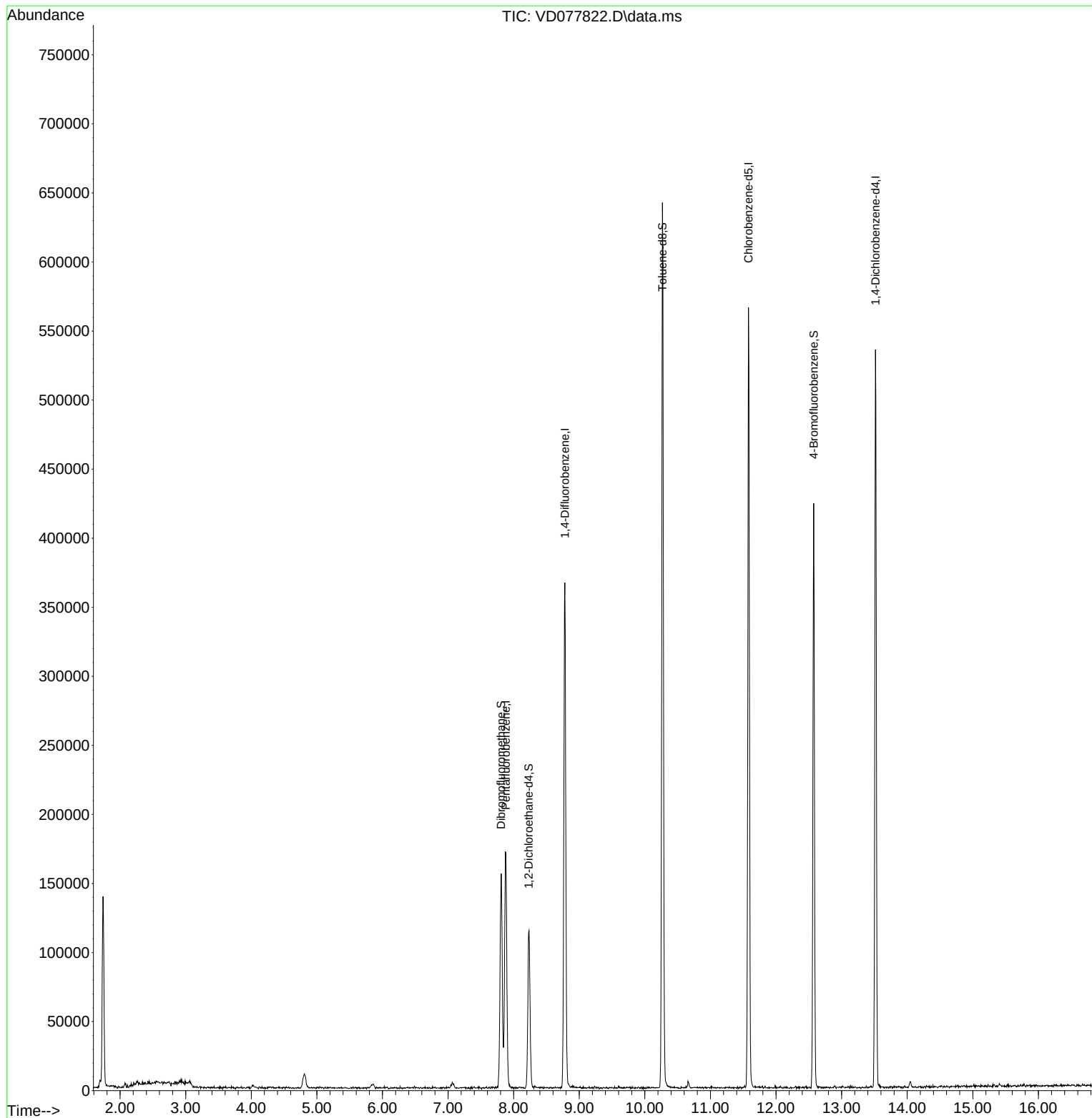
Target Compounds	Qvalue

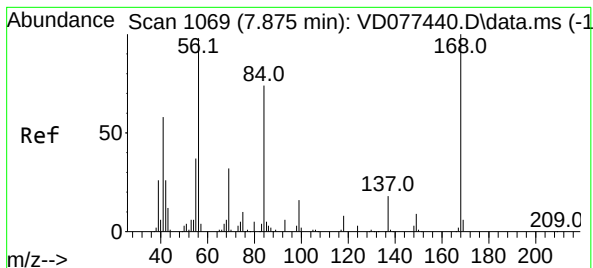
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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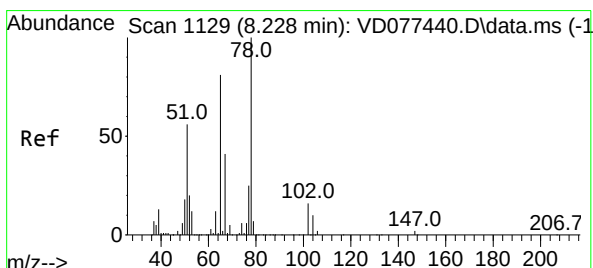
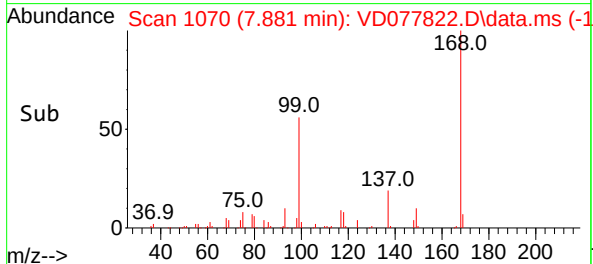
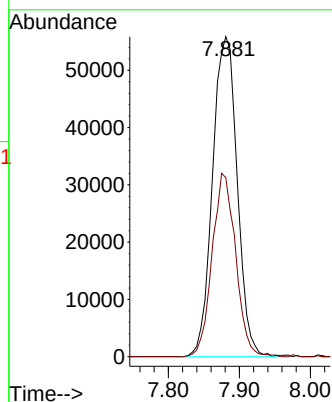
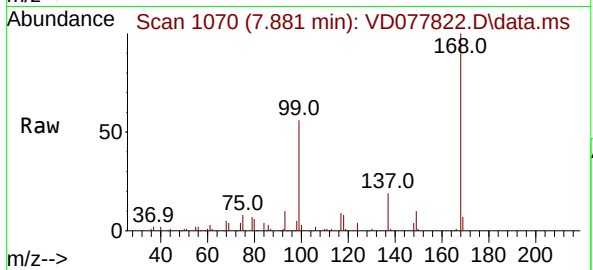




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

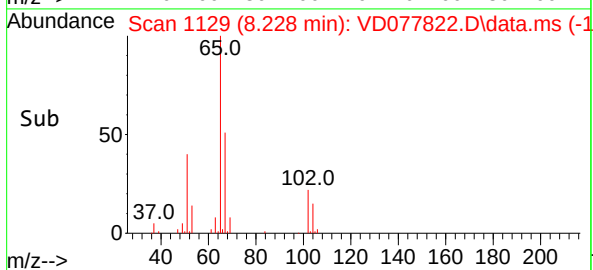
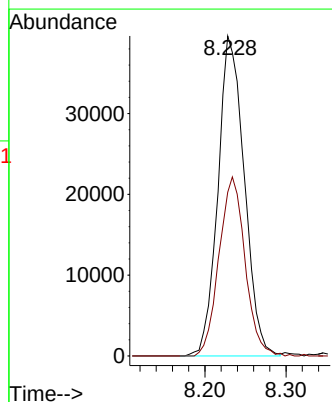
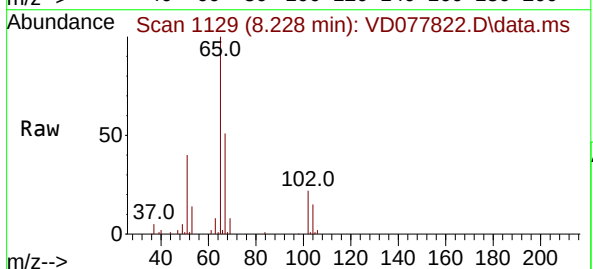
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

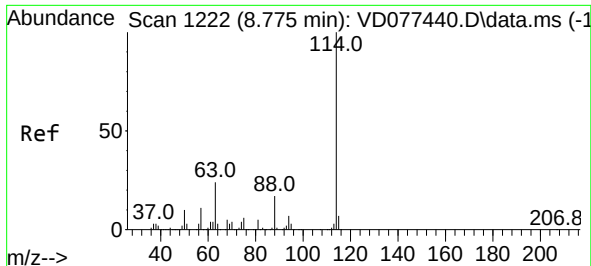
Tgt Ion:168 Resp: 134631
Ion Ratio Lower Upper
168 100
99 55.9 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 56.289 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 65 Resp: 89299
Ion Ratio Lower Upper
65 100
67 55.3 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: VD077822.D

Acq: 11 Dec 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

SB-04-7.5-8.0

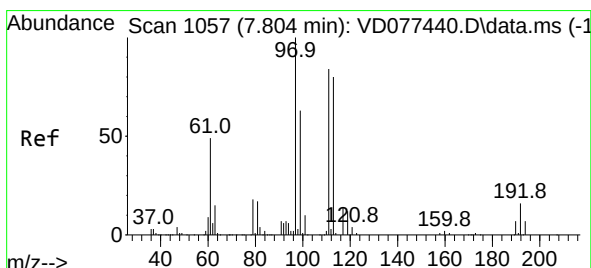
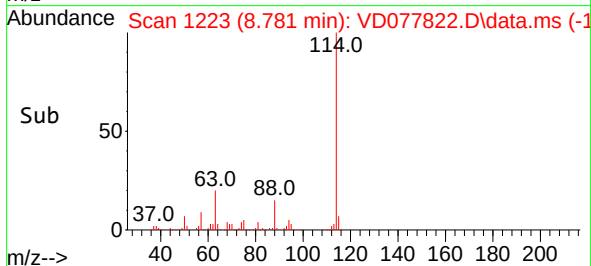
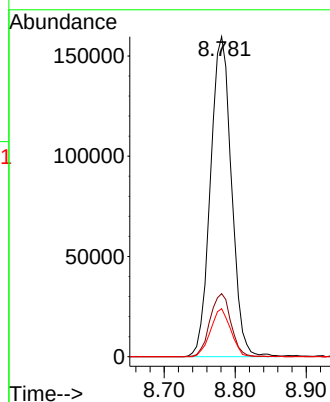
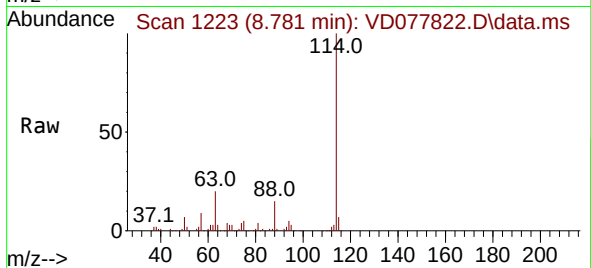
Tgt Ion:114 Resp: 327706

Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 15.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.496 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077822.D

Acq: 11 Dec 2023 20:10

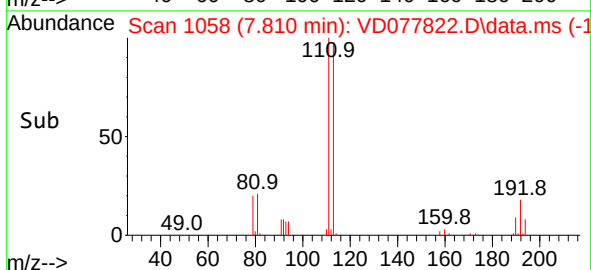
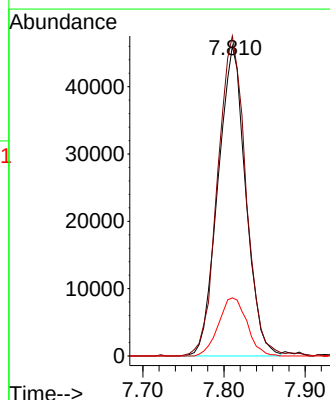
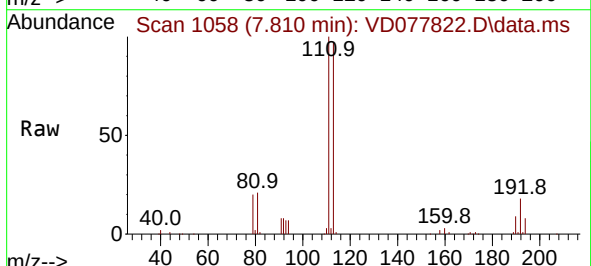
Tgt Ion:113 Resp: 109026

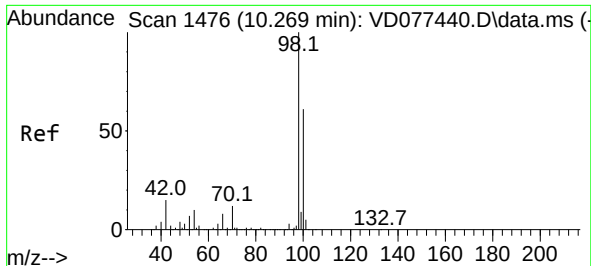
Ion Ratio Lower Upper

113 100

111 105.3 84.7 127.1

192 19.2 16.8 25.2

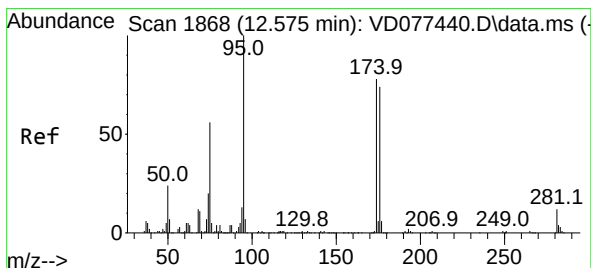
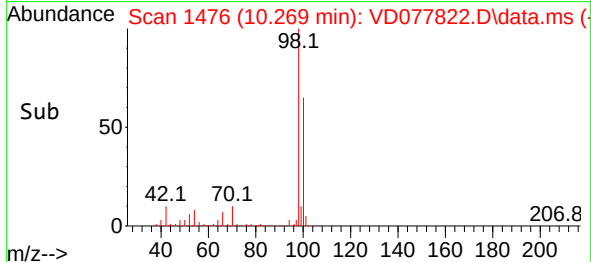
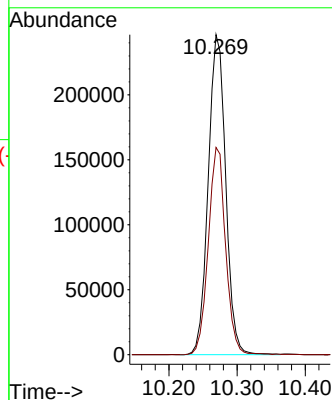
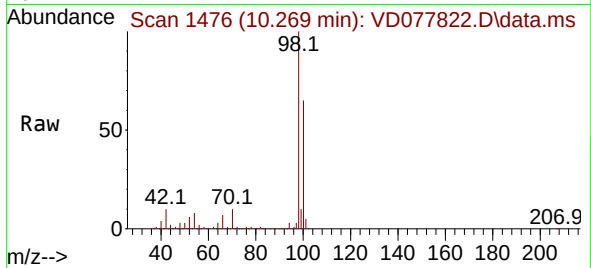




#50
Toluene-d8
Concen: 47.773 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

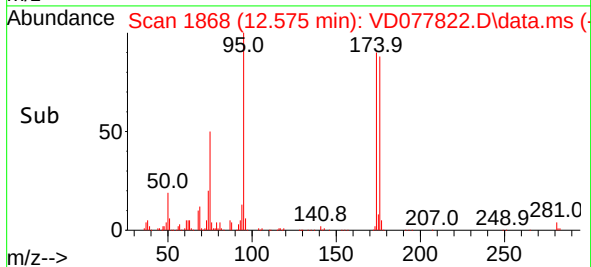
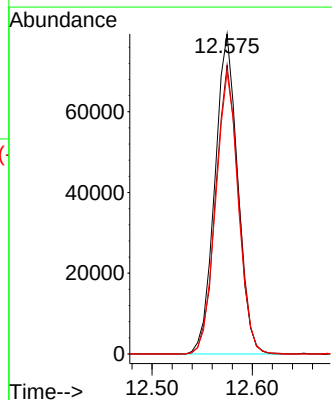
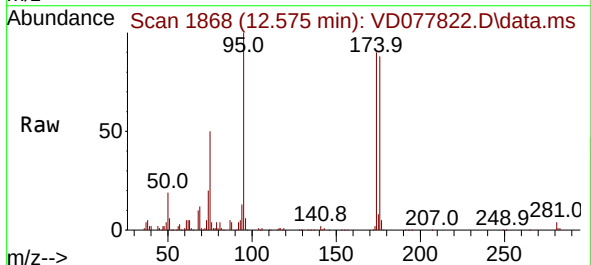
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

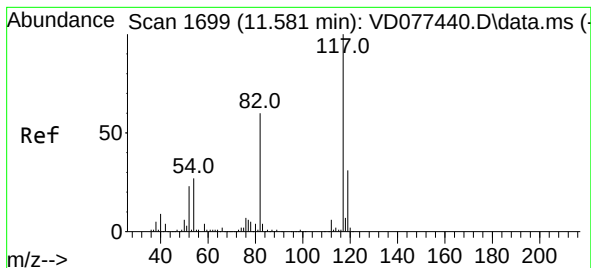
Tgt Ion: 98 Resp: 439211
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.517 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 95 Resp: 125112
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 87.5 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: VD077822.D

Acq: 11 Dec 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

SB-04-7.5-8.0

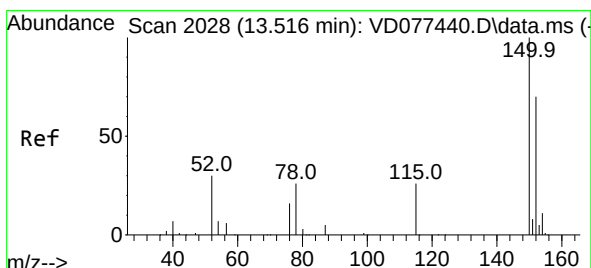
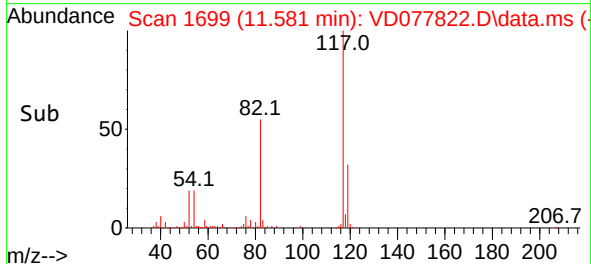
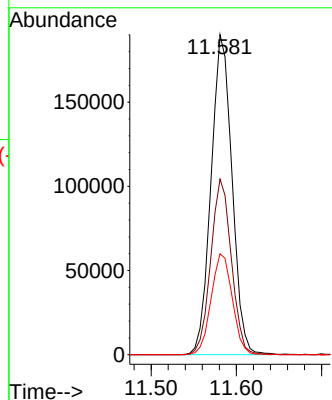
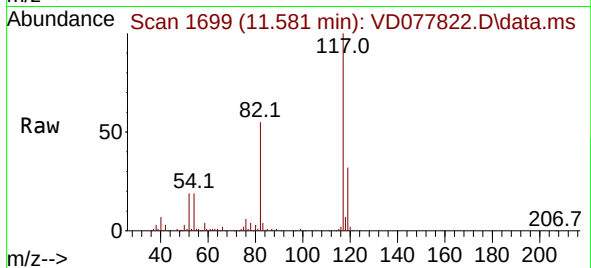
Tgt Ion:117 Resp: 325274

Ion Ratio Lower Upper

117 100

82 54.8 38.3 57.5

119 31.5 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: VD077822.D

Acq: 11 Dec 2023 20:10

Tgt Ion:152 Resp: 143507

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 160.1 0.0 353.6

