

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078069.D
 Acq On : 22 Dec 2023 17:34
 Operator : RP/MD
 Sample : 05879-07
 Misc : 2.55G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM04

Quant Time: Dec 23 03:39:25 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	7.881	168	130907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98716	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63596	41.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.460%
35) Dibromofluoromethane	7.810	113	74777	44.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.700%
50) Toluene-d8	10.269	98	304120	45.539	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.575	95	86115	43.130	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.260%

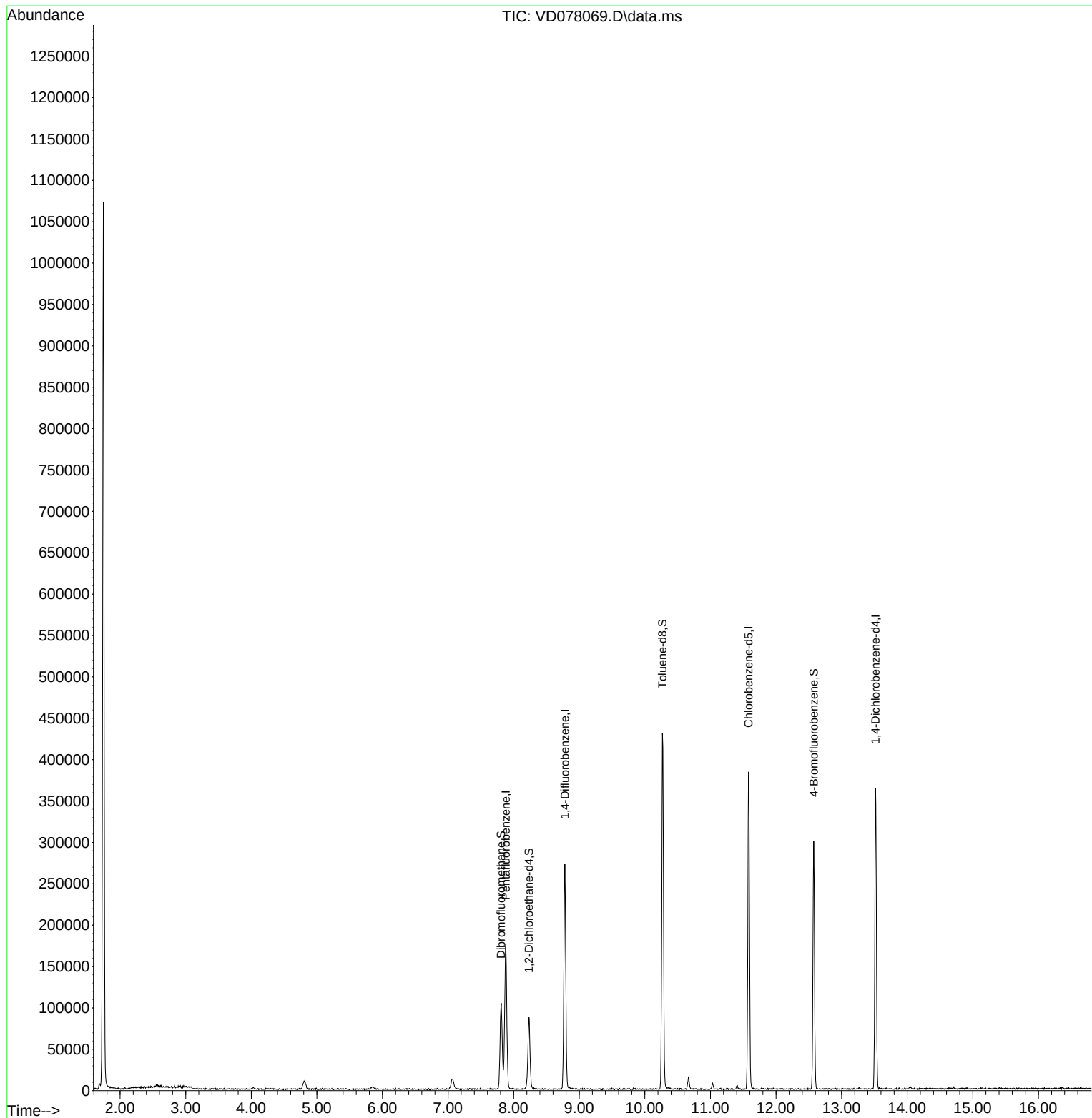
Target Compounds	Qvalue

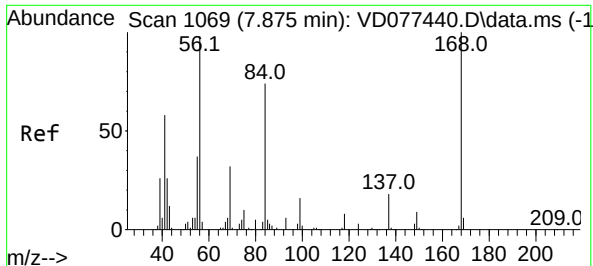
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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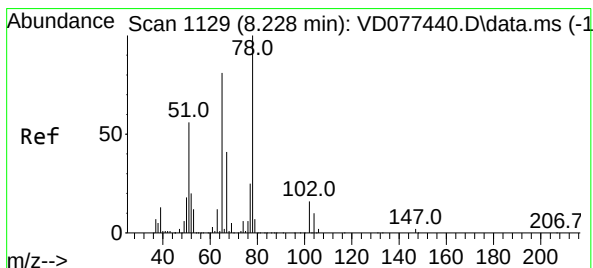
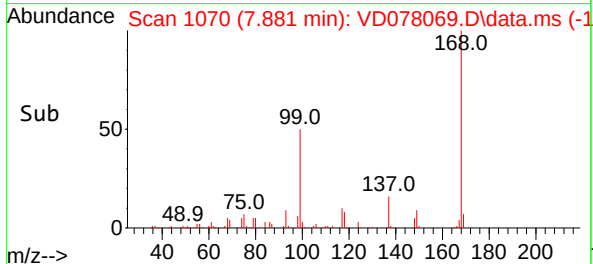
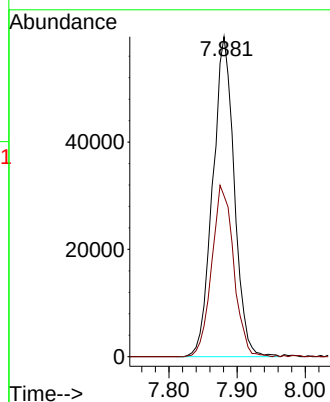
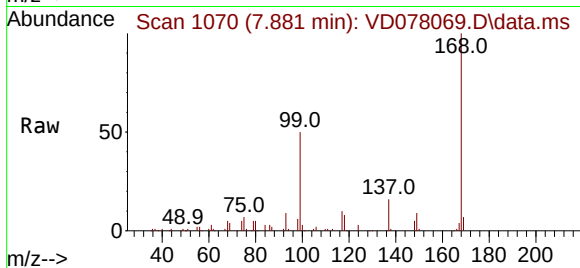




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD078069.D
Acq: 22 Dec 2023 17:34

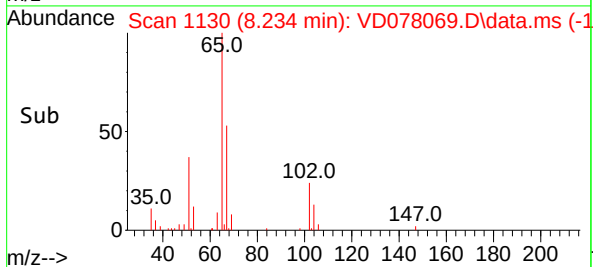
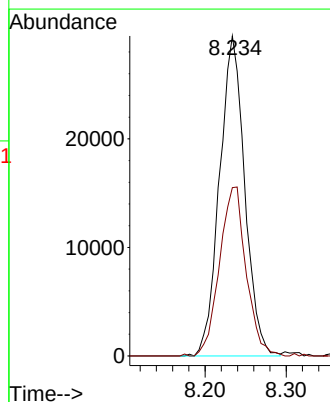
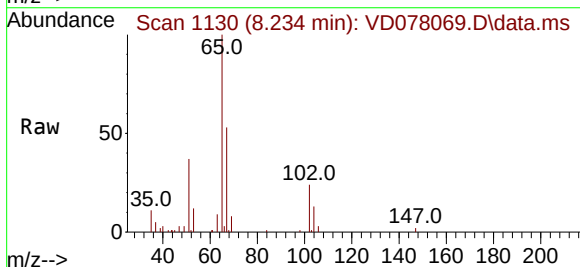
Instrument :
MSVOA_D
ClientSampleId :
COM04

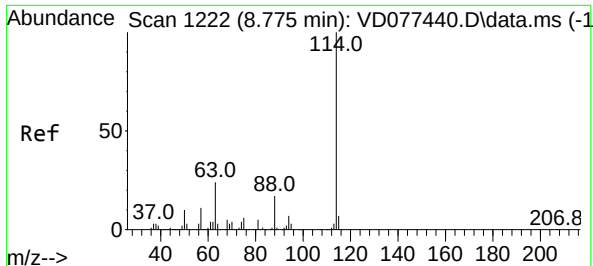
Tgt Ion:168 Resp: 130907
Ion Ratio Lower Upper
168 100
99 50.3 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 41.228 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078069.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 65 Resp: 63596
Ion Ratio Lower Upper
65 100
67 55.7 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: VD078069.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_D

ClientSampleId :

COM04

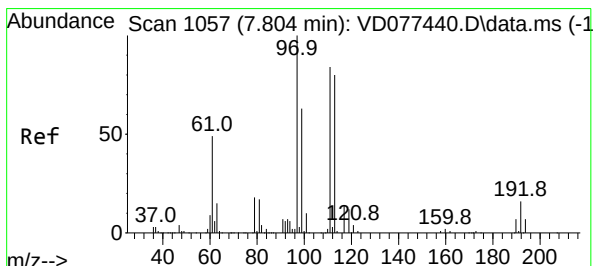
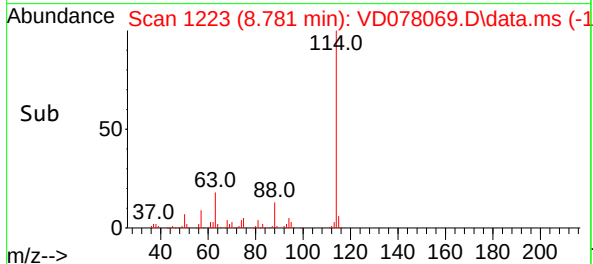
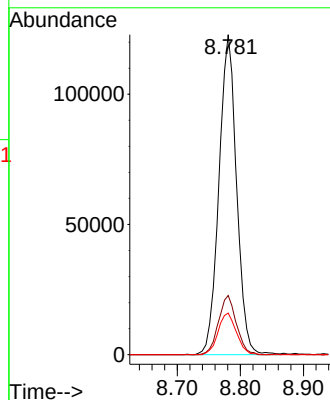
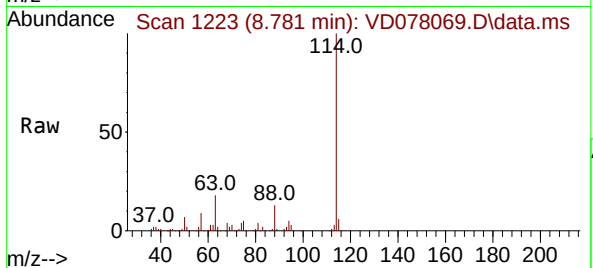
Tgt Ion:114 Resp: 238044

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.846 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078069.D

Acq: 22 Dec 2023 17:34

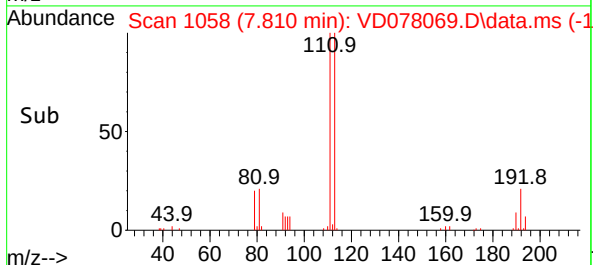
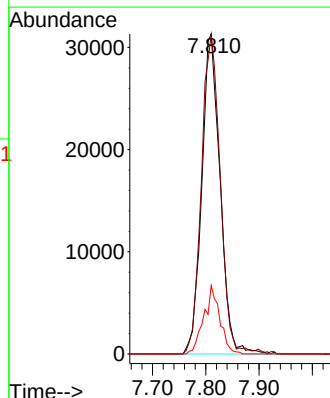
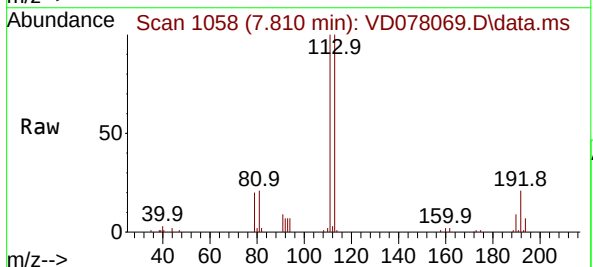
Tgt Ion:113 Resp: 74777

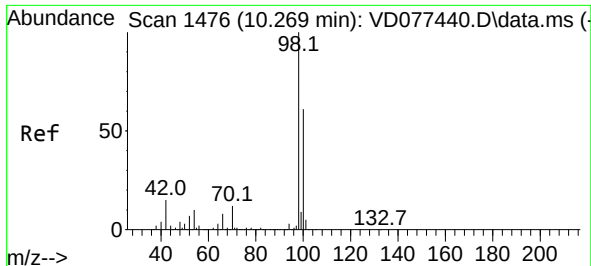
Ion Ratio Lower Upper

113 100

111 102.0 84.7 127.1

192 18.6 16.8 25.2

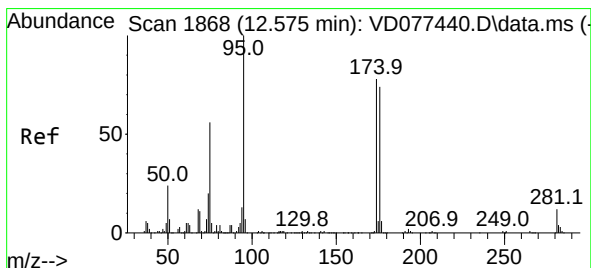
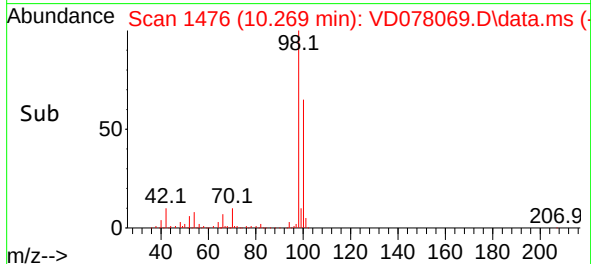
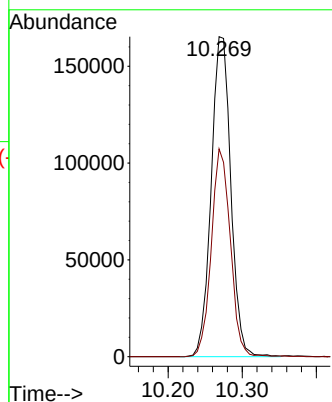
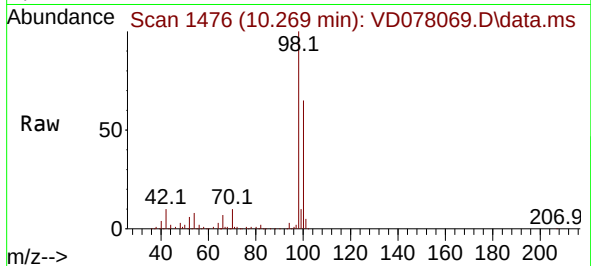




#50
Toluene-d8
Concen: 45.539 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078069.D
Acq: 22 Dec 2023 17:34

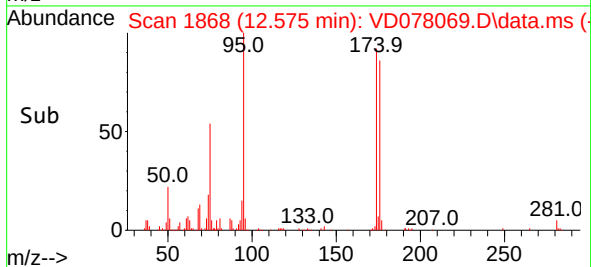
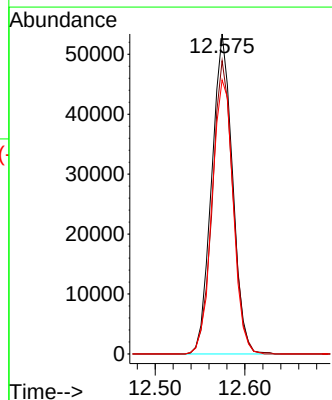
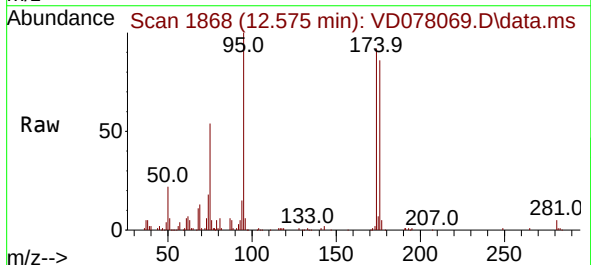
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MSVOA_D
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COM04

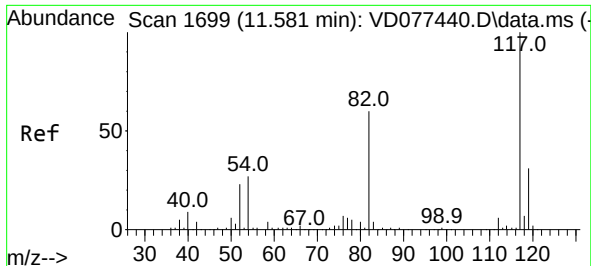
Tgt Ion: 98 Resp: 304120
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.130 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078069.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 95 Resp: 86115
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 87.1 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: VD078069.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_D

ClientSampleId :

COM04

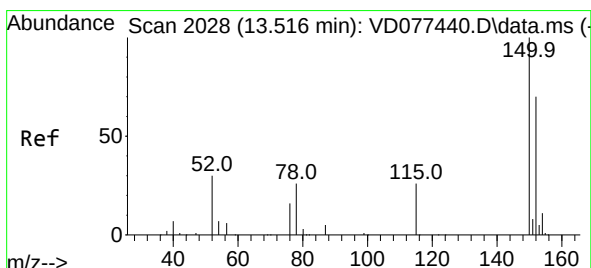
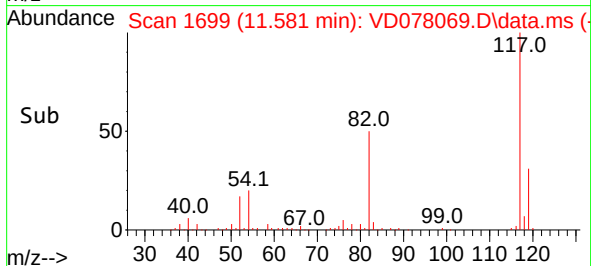
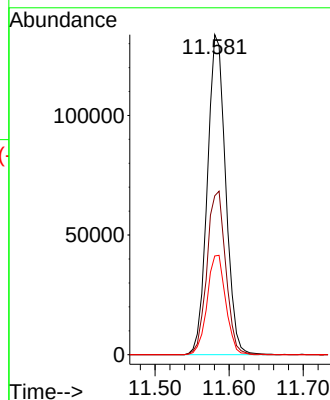
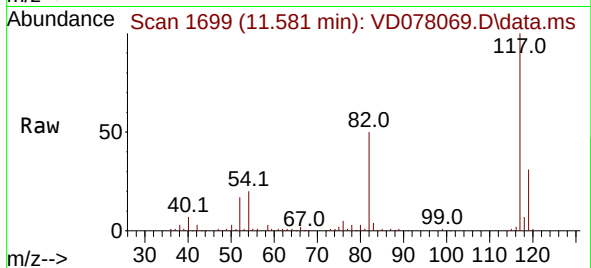
Tgt Ion:117 Resp: 229149

Ion Ratio Lower Upper

117 100

82 49.7 38.3 57.5

119 30.9 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: VD078069.D

Acq: 22 Dec 2023 17:34

Tgt Ion:152 Resp: 98716

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

150 154.4 0.0 353.6

