

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076873.D
 Acq On : 31 Jul 2023 14:34
 Operator : KP/SY
 Sample : 03797-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HANOVER-ST-1

Quant Time: Aug 01 02:11:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	185587	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	348497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92998	50.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.620%
35) Dibromofluoromethane	7.804	113	112650	51.439	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.880%
50) Toluene-d8	10.269	98	427348	54.548	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.575	95	121364	47.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.780%

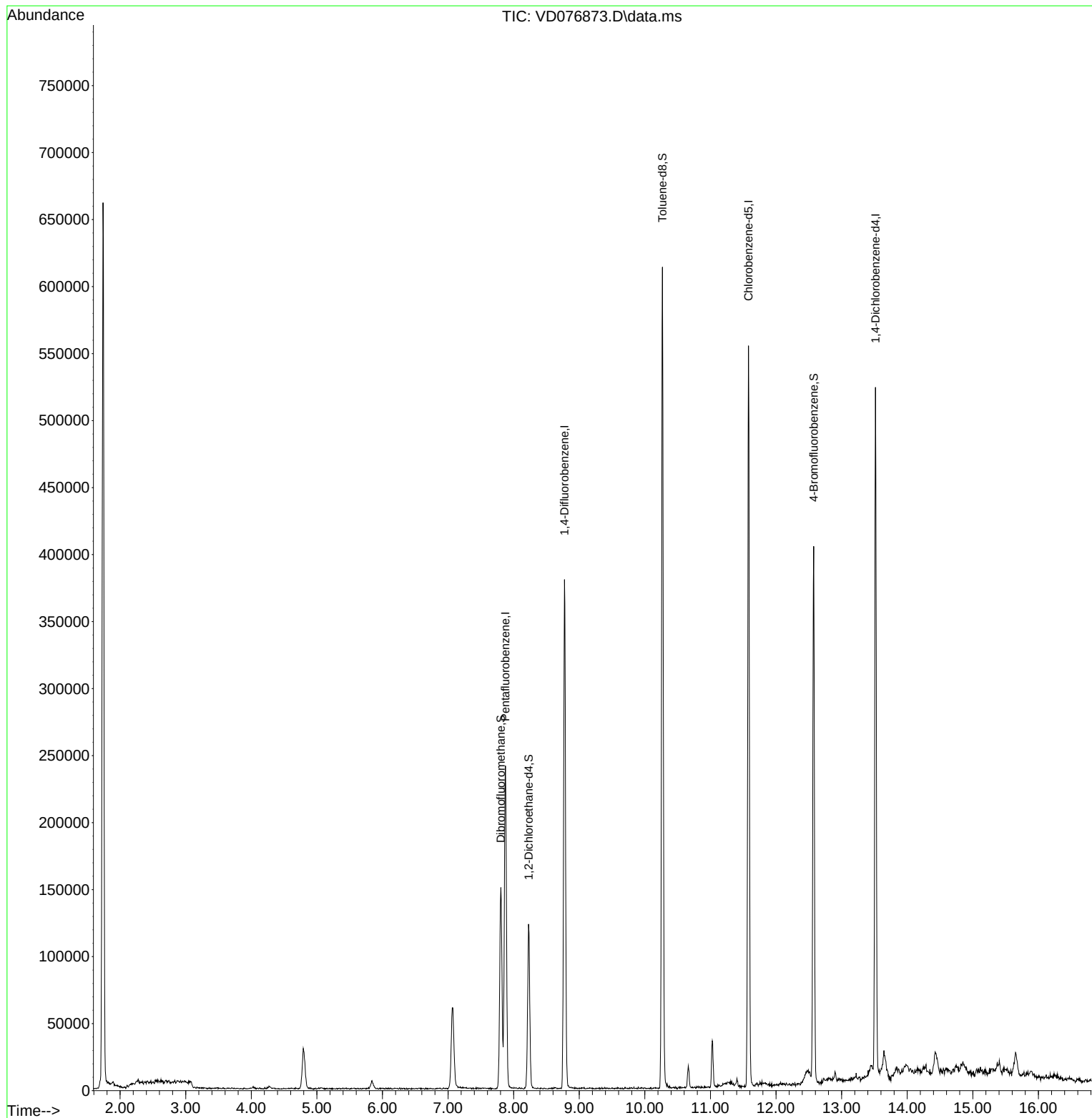
Target Compounds	Qvalue

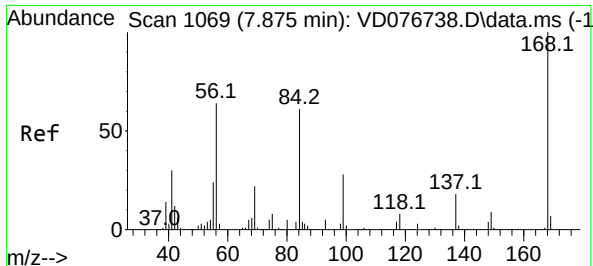
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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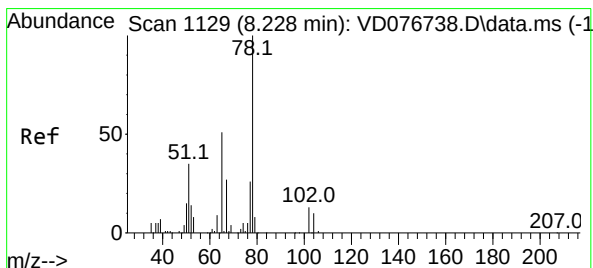
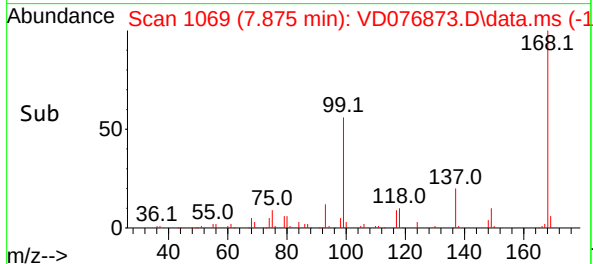
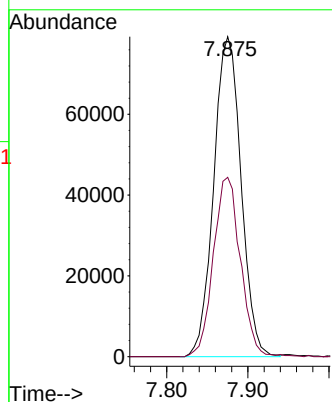
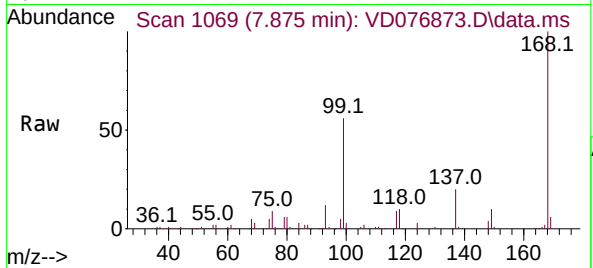




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076873.D
Acq: 31 Jul 2023 14:34

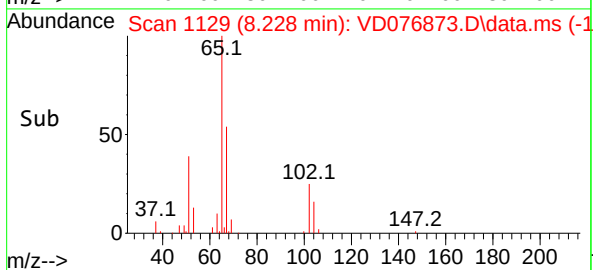
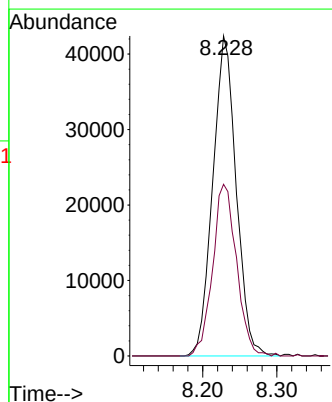
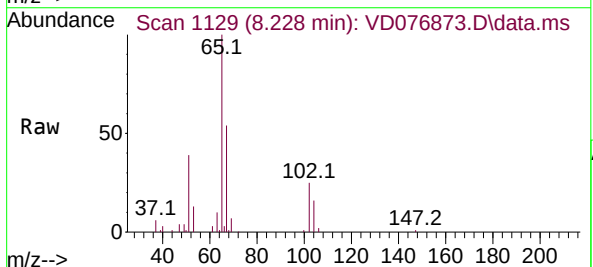
Instrument :
MSVOA_D
ClientSampleId :
HANOVER-ST-1

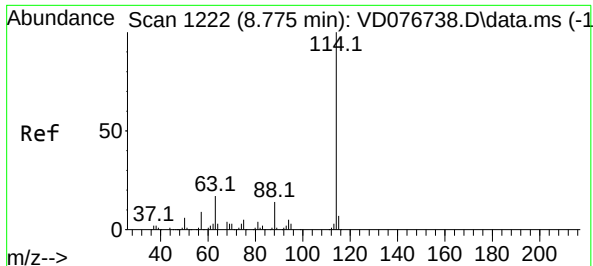
Tgt Ion:168 Resp: 185587
Ion Ratio Lower Upper
168 100
99 56.0 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 50.310 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076873.D
Acq: 31 Jul 2023 14:34

Tgt Ion: 65 Resp: 92998
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076873.D

Acq: 31 Jul 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

HANOVER-ST-1

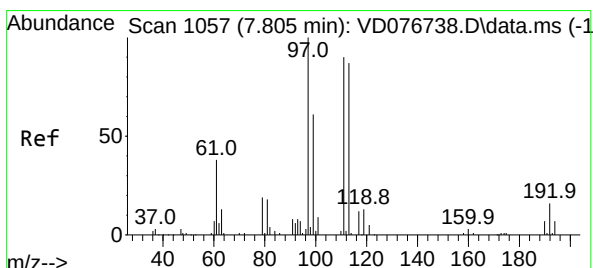
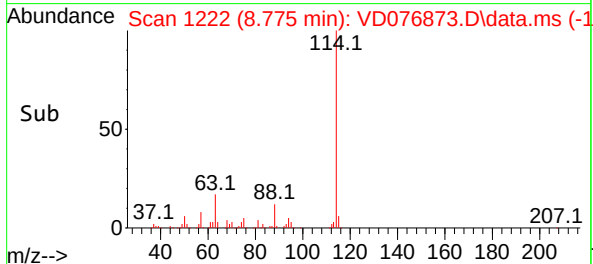
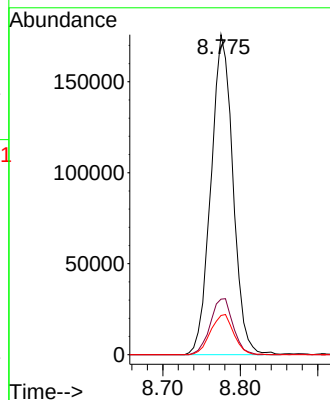
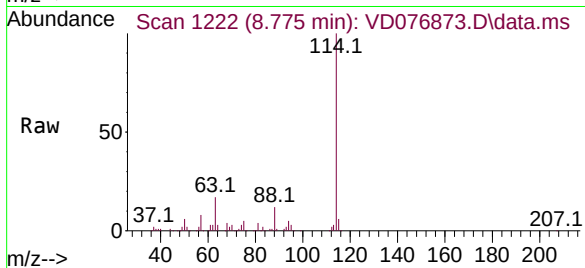
Tgt Ion:114 Resp: 348497

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.4

88 12.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.439 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076873.D

Acq: 31 Jul 2023 14:34

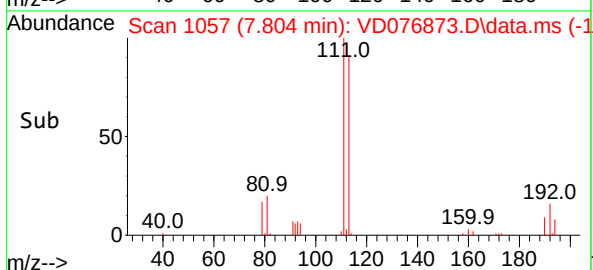
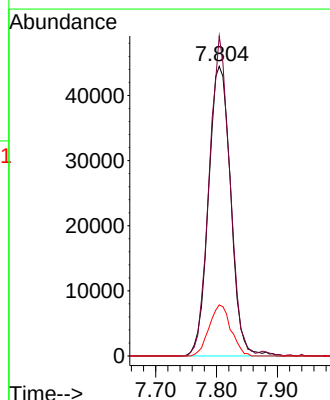
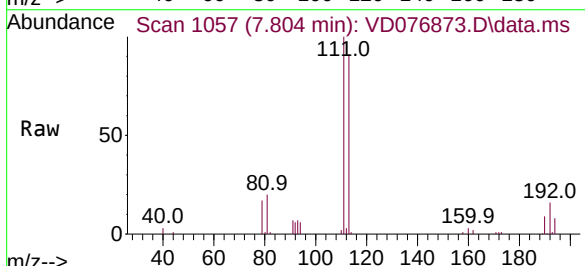
Tgt Ion:113 Resp: 112650

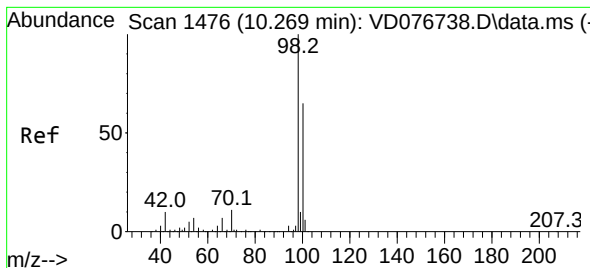
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 17.2 16.8 25.2





#50

Toluene-d8

Concen: 54.548 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076873.D

Acq: 31 Jul 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

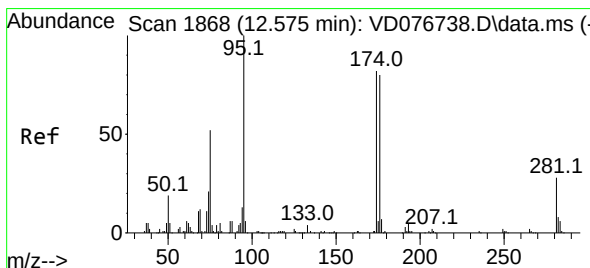
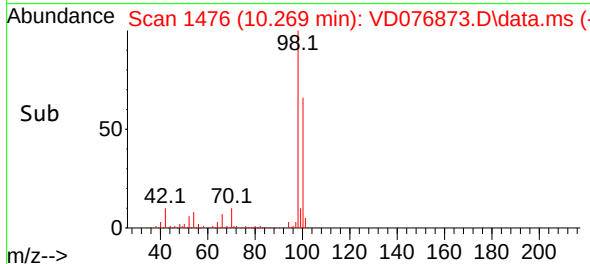
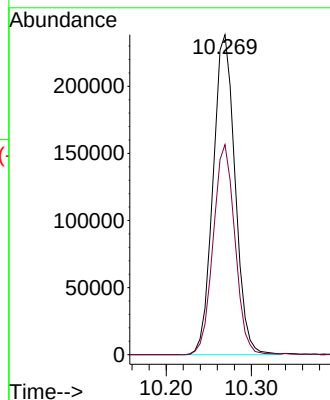
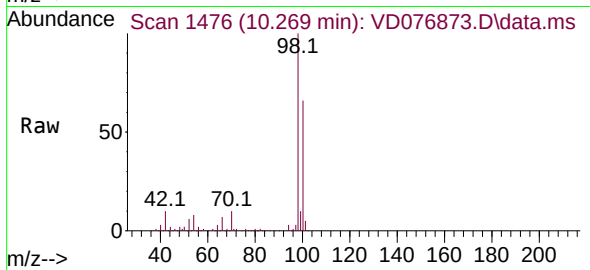
HANOVER-ST-1

Tgt Ion: 98 Resp: 427348

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 47.886 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076873.D

Acq: 31 Jul 2023 14:34

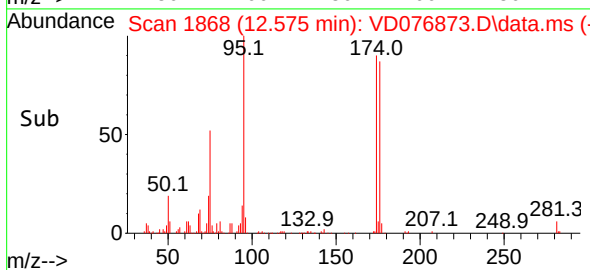
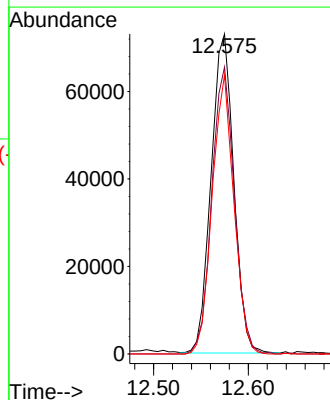
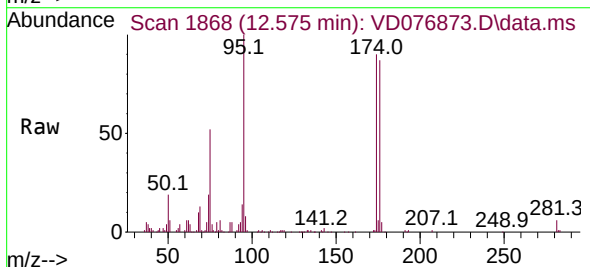
Tgt Ion: 95 Resp: 121364

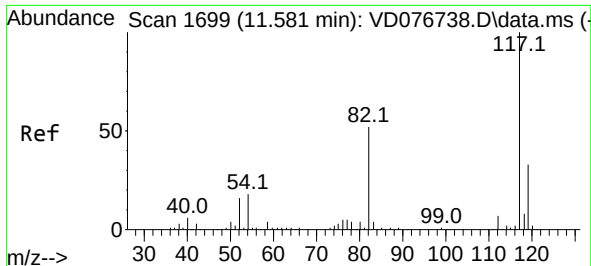
Ion Ratio Lower Upper

95 100

174 89.6 0.0 201.8

176 83.8 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: VD076873.D

Acq: 31 Jul 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

HANOVER-ST-1

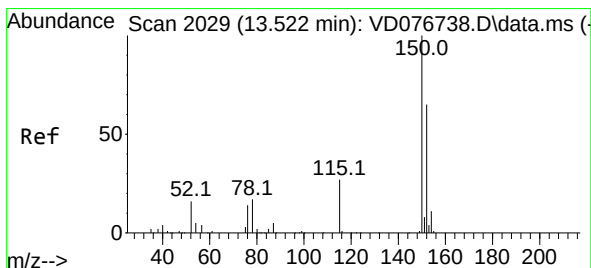
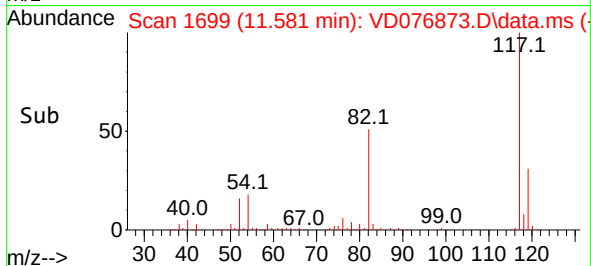
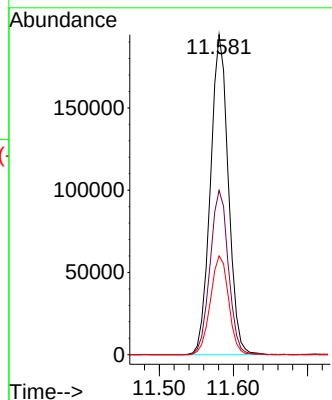
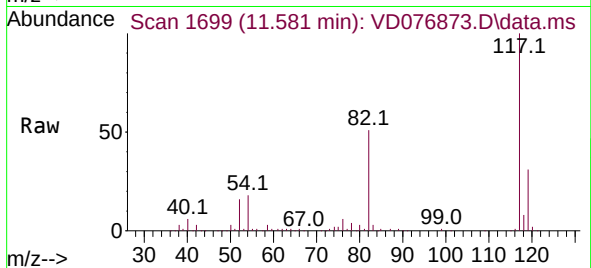
Tgt Ion:117 Resp: 326150

Ion Ratio Lower Upper

117 100

82 51.4 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. -0.006 min

Lab File: VD076873.D

Acq: 31 Jul 2023 14:34

Tgt Ion:152 Resp: 137021

Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 152.9 0.0 353.6

