

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077468.D
 Acq On : 31 Oct 2023 18:32
 Operator : JC/SY
 Sample : 05164-01
 Misc : 3.45G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-352

Quant Time: Nov 01 06:10:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	265013	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	573537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	597847	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	288737	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	180914	48.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.804	113	182088	45.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.860%
50) Toluene-d8	10.269	98	772807	50.191	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.380%
62) 4-Bromofluorobenzene	12.575	95	294242	56.738	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.480%

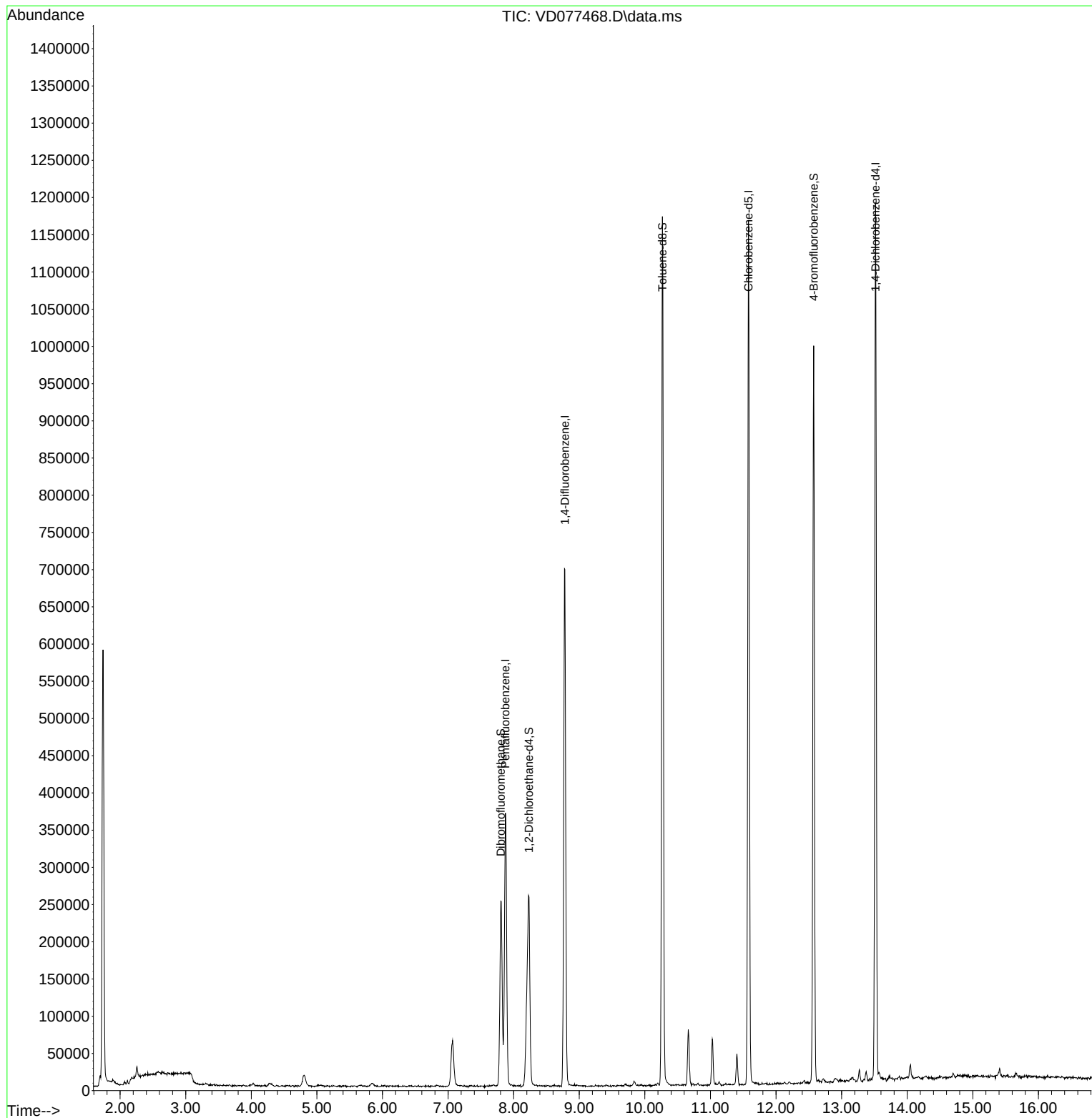
Target Compounds	Qvalue

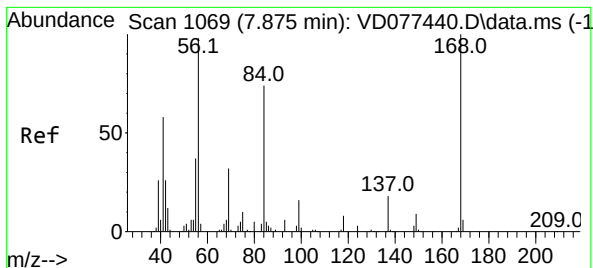
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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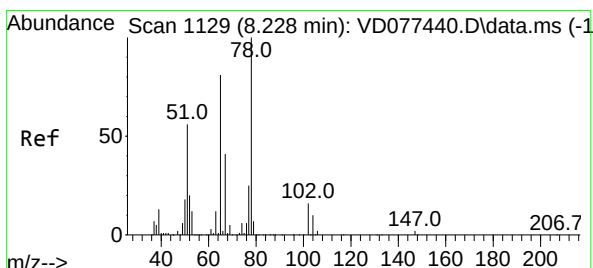
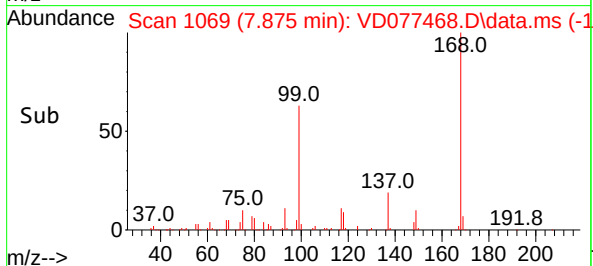
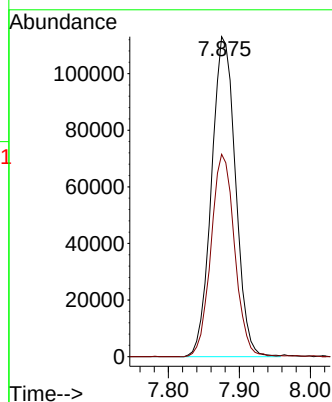
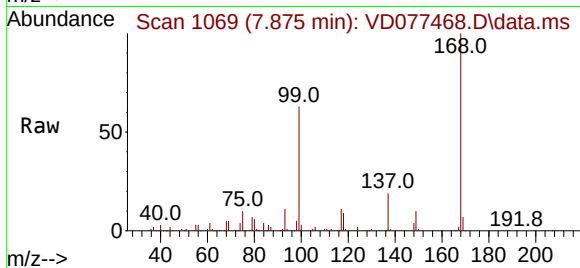




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

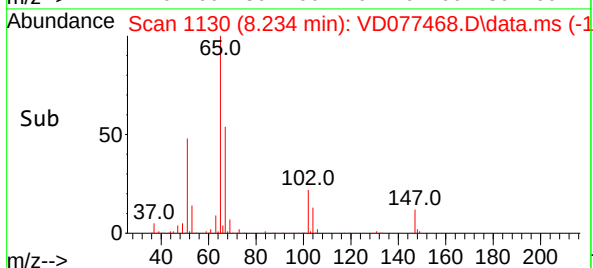
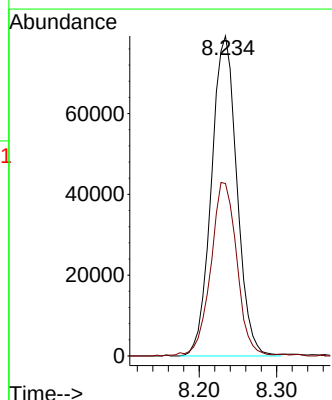
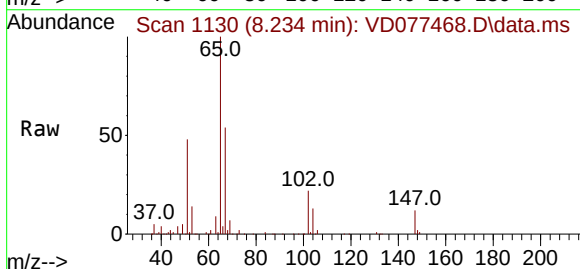
Instrument :
MSVOA_D
ClientSampleId :
ETGI-352

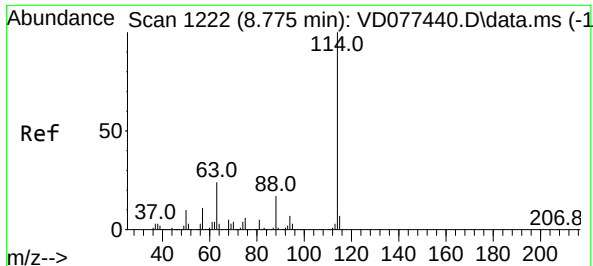
Tgt Ion:168 Resp: 265013
Ion Ratio Lower Upper
168 100
99 63.2 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 48.277 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion: 65 Resp: 180914
Ion Ratio Lower Upper
65 100
67 55.5 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: VD077468.D

Acq: 31 Oct 2023 18:32

Instrument :

MSVOA_D

ClientSampleId :

ETGI-352

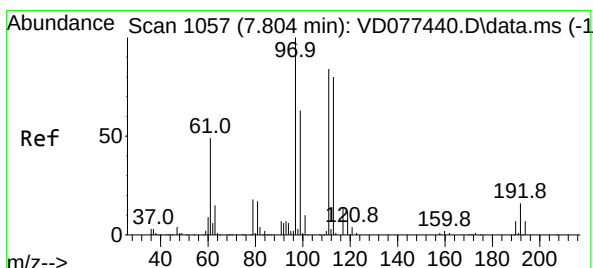
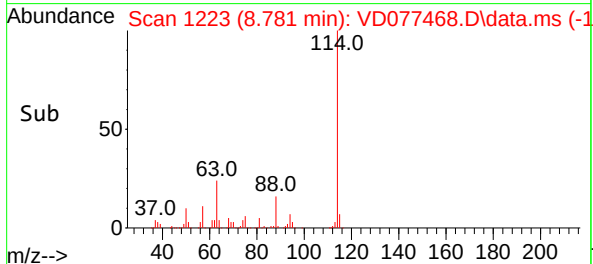
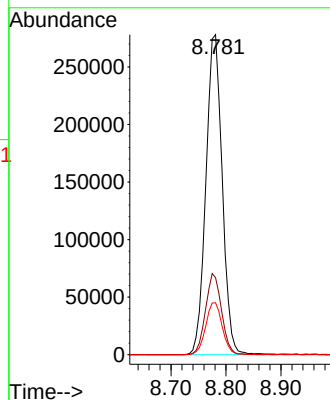
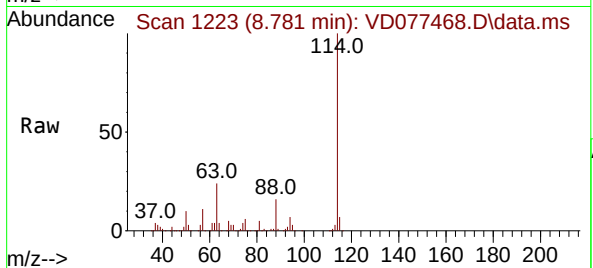
Tgt Ion:114 Resp: 573537

Ion Ratio Lower Upper

114 100

63 24.1 0.0 33.4

88 16.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.935 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

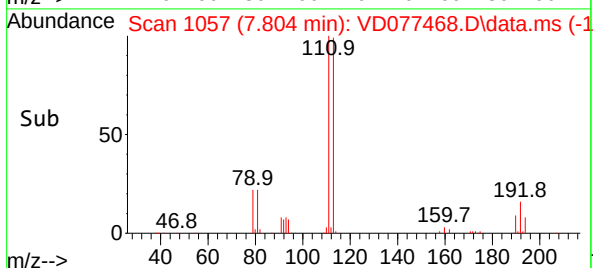
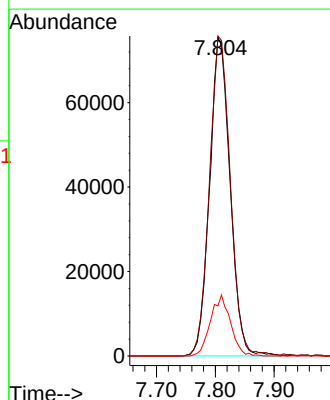
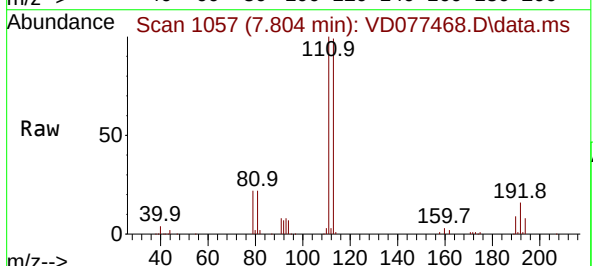
Tgt Ion:113 Resp: 182088

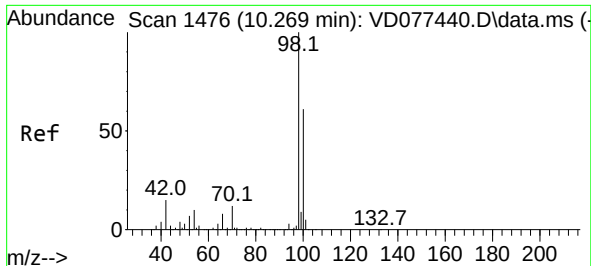
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 18.7 16.8 25.2

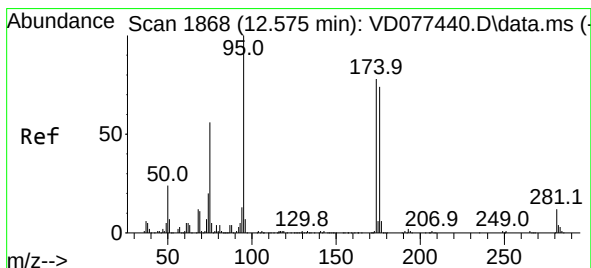
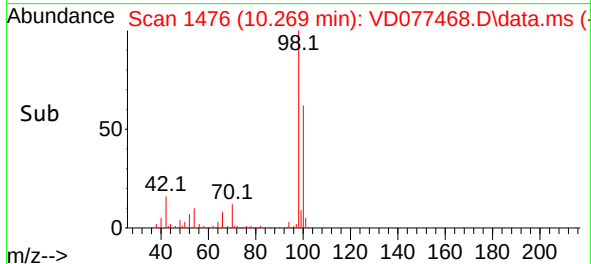
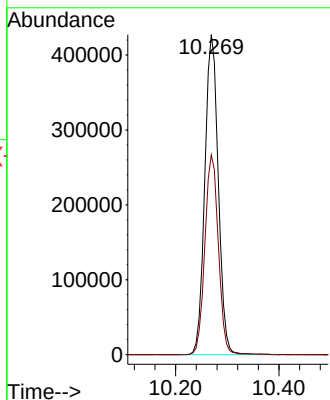
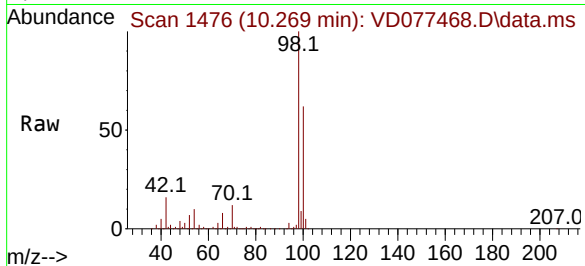




#50
Toluene-d8
Concen: 50.191 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

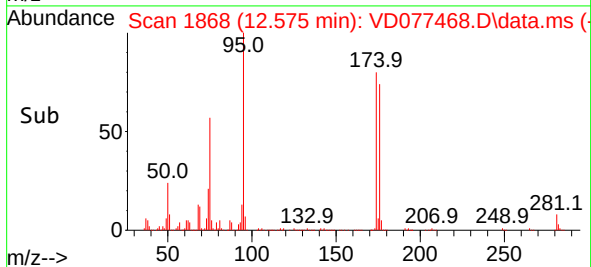
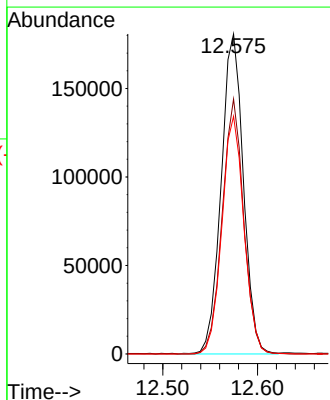
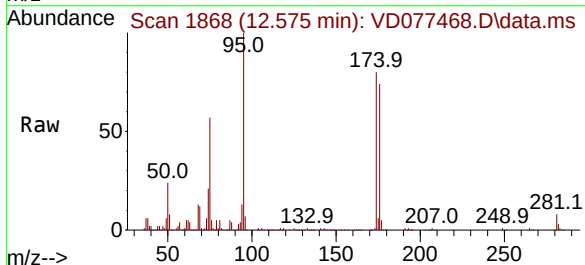
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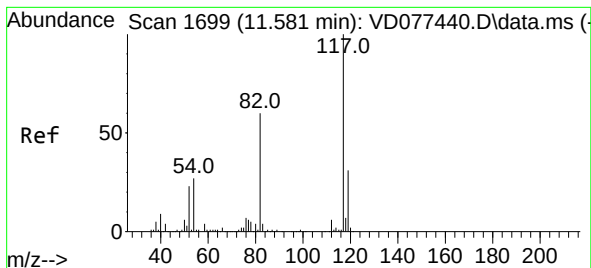
Tgt Ion: 98 Resp: 772807
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 56.738 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion: 95 Resp: 294242
Ion Ratio Lower Upper
95 100
174 76.7 0.0 201.8
176 73.6 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: VD077468.D

Acq: 31 Oct 2023 18:32

Instrument :

MSVOA_D

ClientSampleId :

ETGI-352

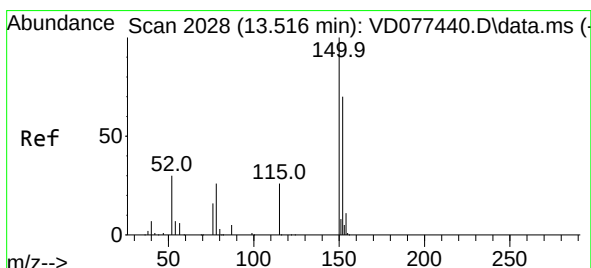
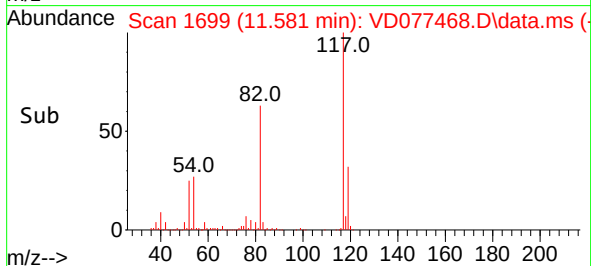
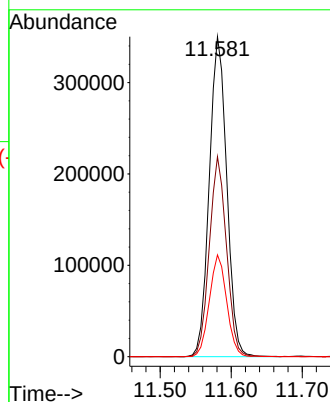
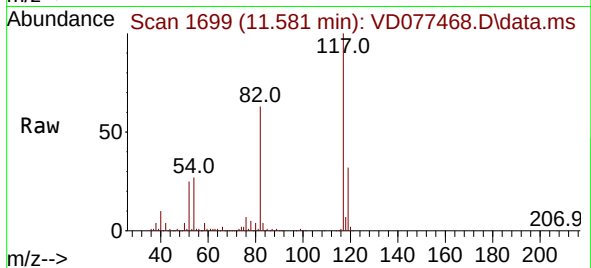
Tgt Ion:117 Resp: 597847

Ion Ratio Lower Upper

117 100

82 62.5 38.3 57.5#

119 31.8 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: VD077468.D

Acq: 31 Oct 2023 18:32

Tgt Ion:152 Resp: 288737

Ion Ratio Lower Upper

152 100

115 61.0 27.1 81.3

150 158.1 0.0 353.6

