

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077239.D
 Acq On : 28 Sep 2023 19:40
 Operator : JC/SY
 Sample : 04621-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-287

Quant Time: Sep 29 02:22:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	15635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	32928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	45562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	27621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	11617	73.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.240%
35) Dibromofluoromethane	7.805	113	13398	58.579	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.160%
50) Toluene-d8	10.269	98	43324	53.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.440%
62) 4-Bromofluorobenzene	12.575	95	21998	87.182	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	174.360%#

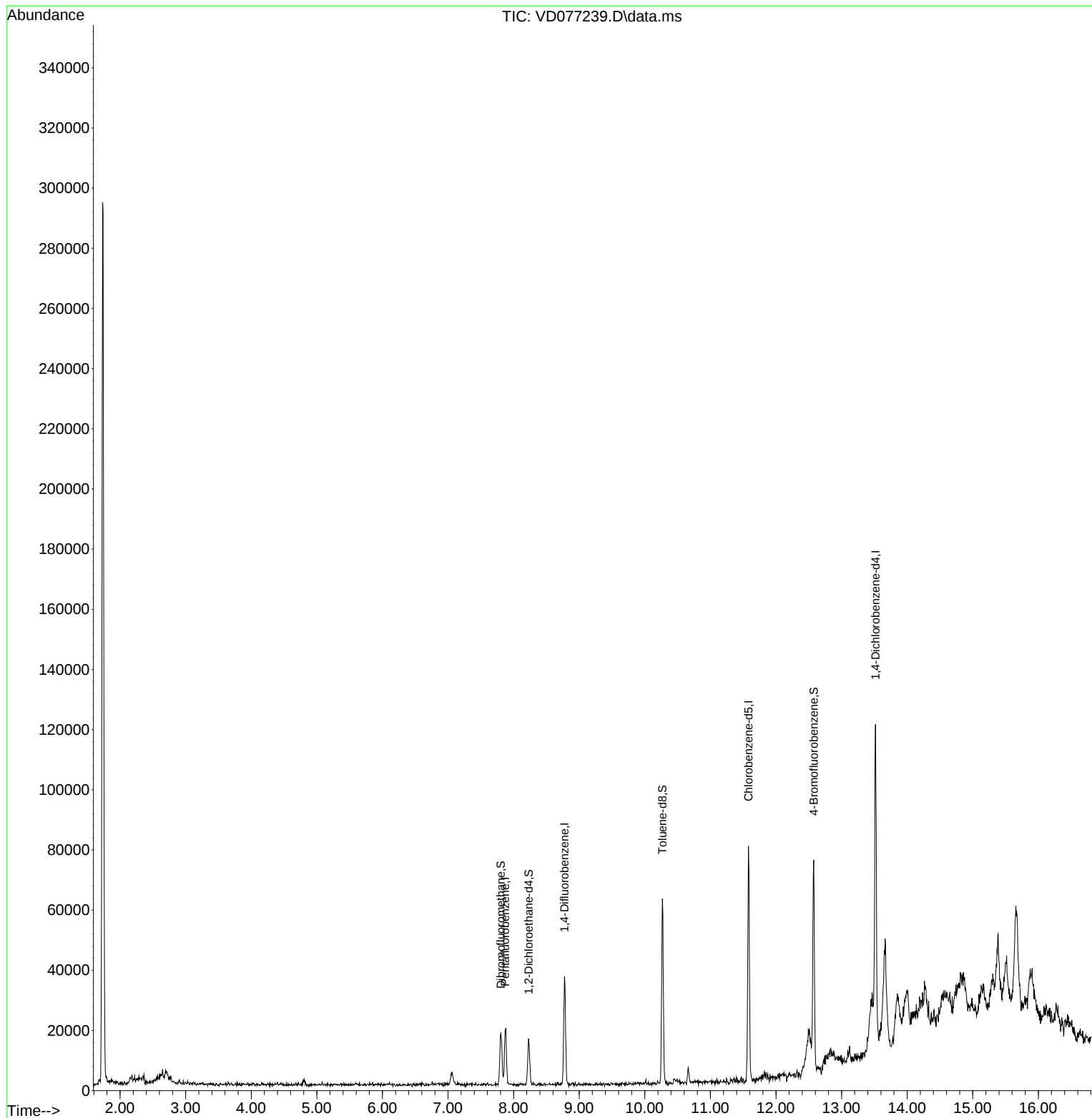
Target Compounds	Qvalue

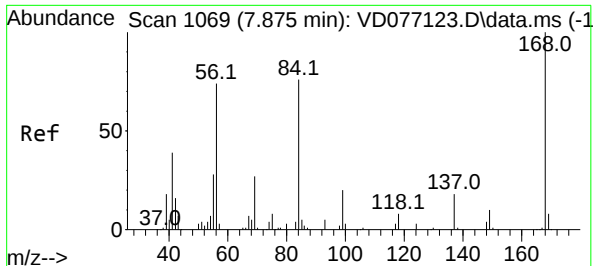
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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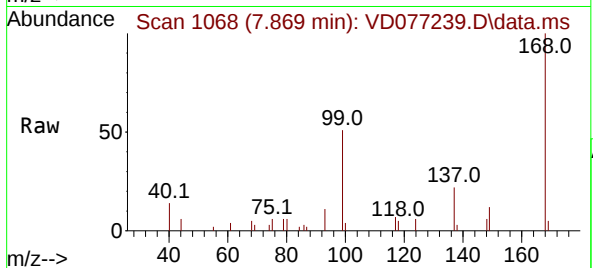
Quant Time: Sep 29 02:22:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
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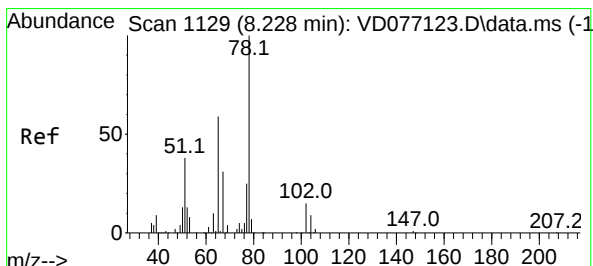
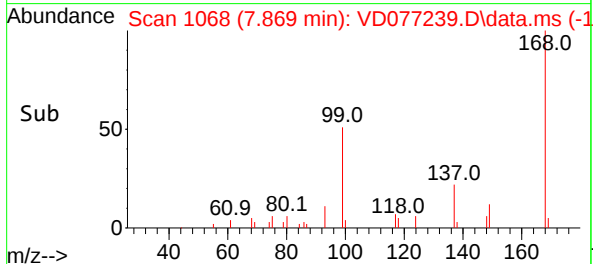
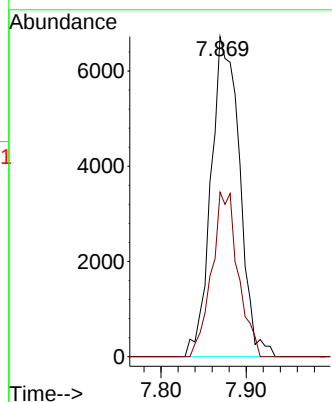


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077239.D
Acq: 28 Sep 2023 19:40

Instrument :
MSVOA_D
ClientSampleId :
ETGI-287

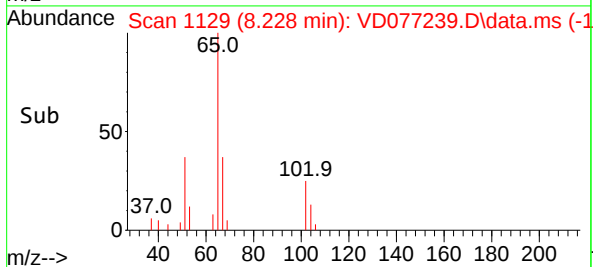
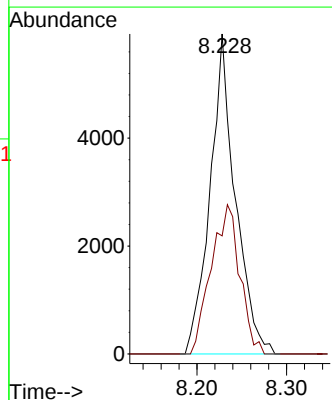
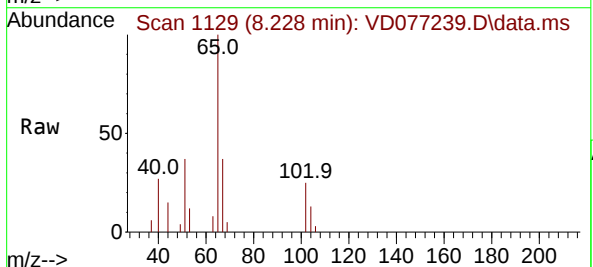


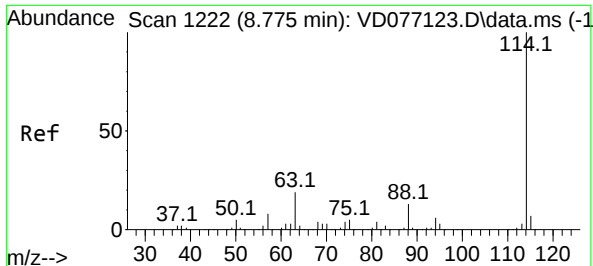
Tgt Ion:168 Resp: 15635
Ion Ratio Lower Upper
168 100
99 51.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 73.623 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077239.D
Acq: 28 Sep 2023 19:40

Tgt Ion: 65 Resp: 11617
Ion Ratio Lower Upper
65 100
67 52.9 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: VD077239.D

Acq: 28 Sep 2023 19:40

Instrument :

MSVOA_D

ClientSampleId :

ETGI-287

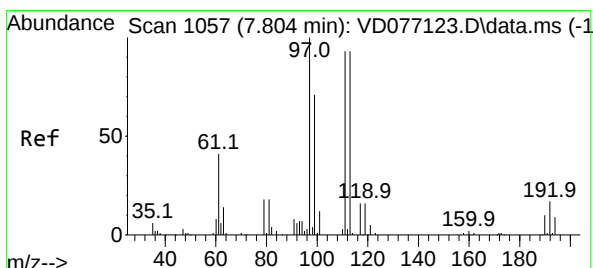
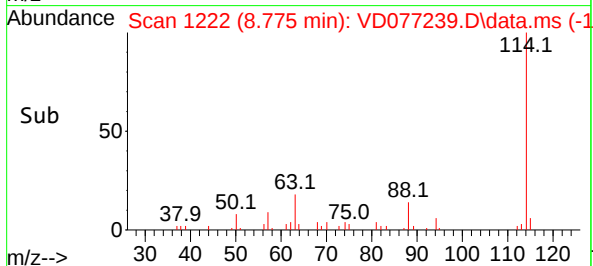
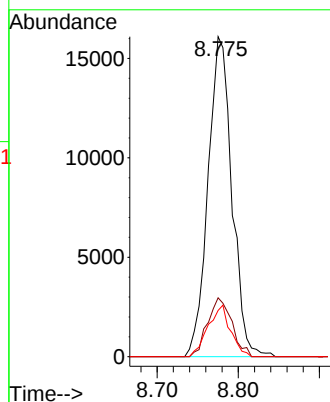
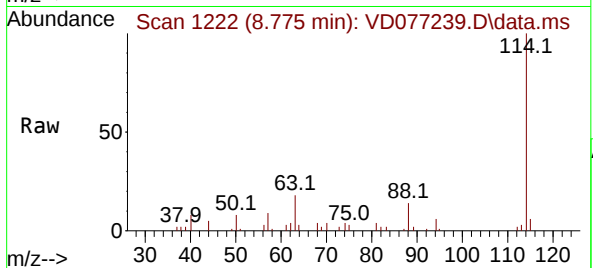
Tgt Ion:114 Resp: 32928

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 58.579 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077239.D

Acq: 28 Sep 2023 19:40

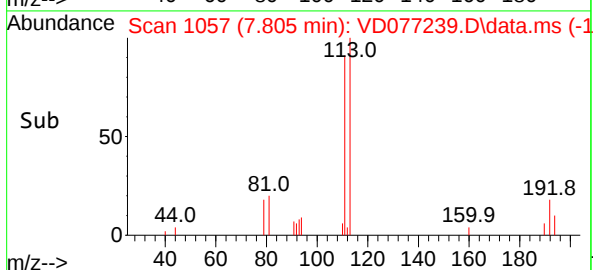
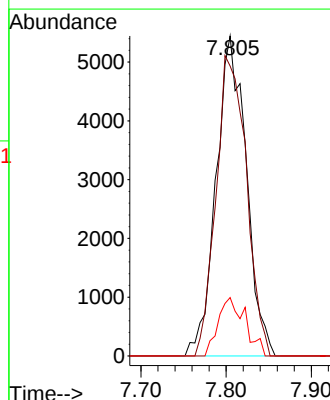
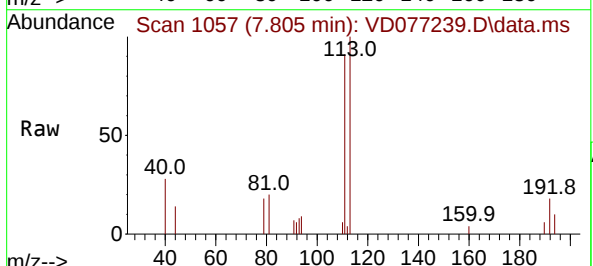
Tgt Ion:113 Resp: 13398

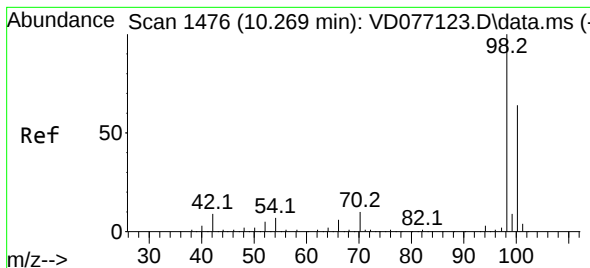
Ion Ratio Lower Upper

113 100

111 94.2 84.7 127.1

192 16.3 16.8 25.2#





#50

Toluene-d8

Concen: 53.218 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077239.D

Acq: 28 Sep 2023 19:40

Instrument :

MSVOA_D

ClientSampleId :

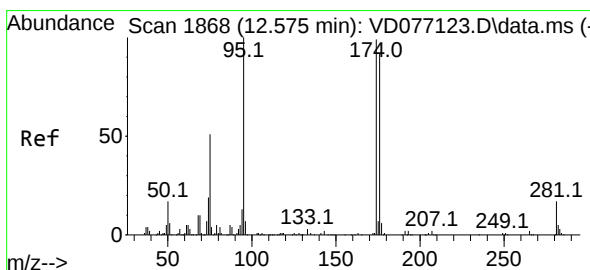
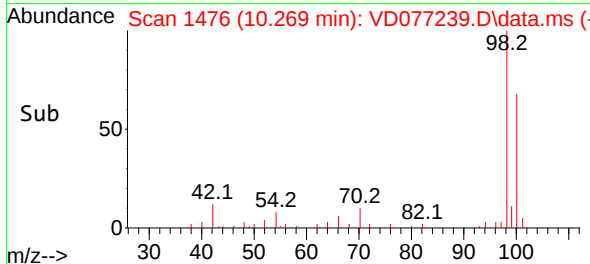
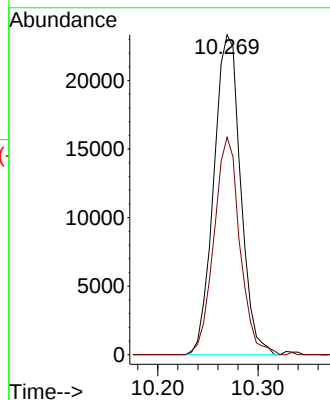
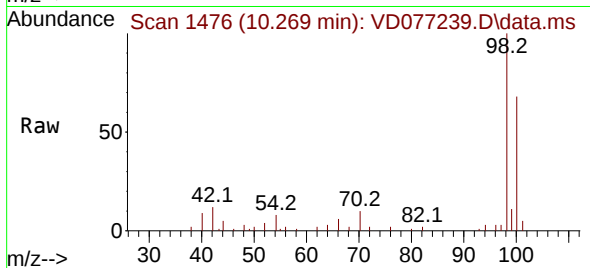
ETGI-287

Tgt Ion: 98 Resp: 43324

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 87.182 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077239.D

Acq: 28 Sep 2023 19:40

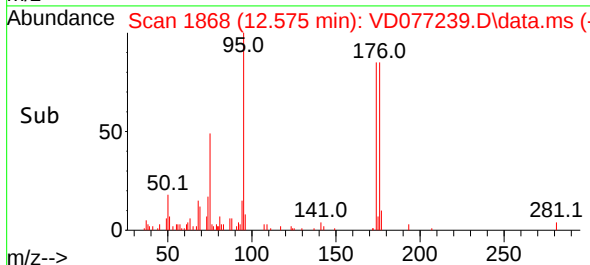
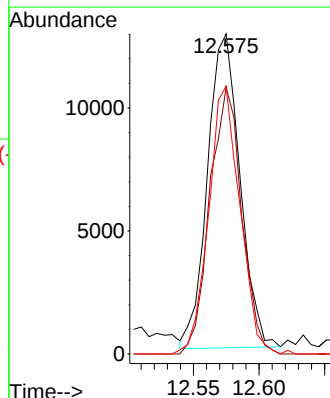
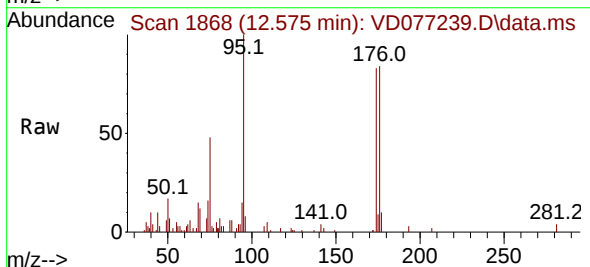
Tgt Ion: 95 Resp: 21998

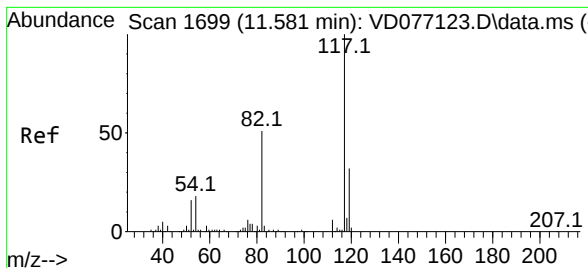
Ion Ratio Lower Upper

95 100

174 83.3 0.0 201.8

176 82.1 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: VD077239.D

Acq: 28 Sep 2023 19:40

Instrument :

MSVOA_D

ClientSampleId :

ETGI-287

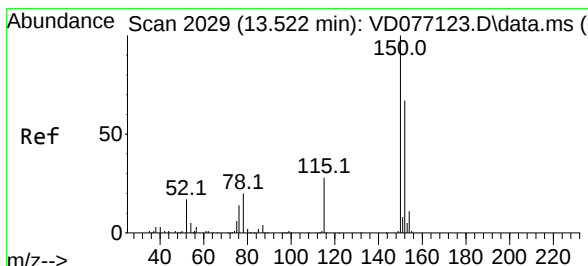
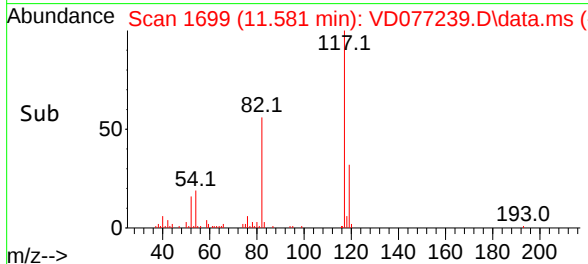
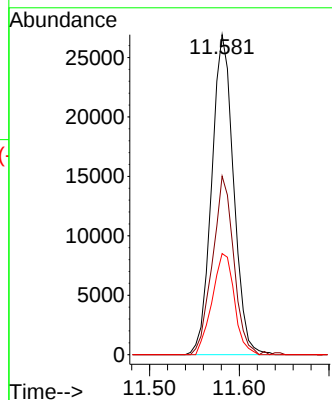
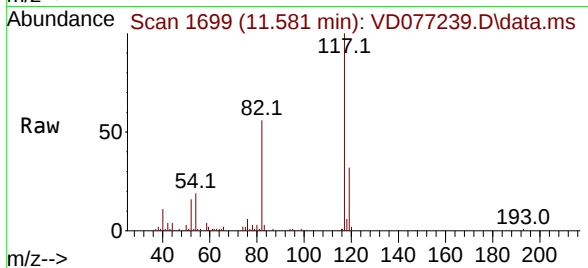
Tgt Ion:117 Resp: 45562

Ion Ratio Lower Upper

117 100

82 55.8 38.3 57.5

119 31.6 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: VD077239.D

Acq: 28 Sep 2023 19:40

Tgt Ion:152 Resp: 27621

Ion Ratio Lower Upper

152 100

115 58.2 27.1 81.3

150 157.8 0.0 353.6

