

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015717.D
 Acq On : 26 Sep 2023 18:45
 Operator : SY/MD
 Sample : 04620-12
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STONE-OUT

Quant Time: Sep 27 01:36:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	138160	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	236892	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	218772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105227	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	91938	60.480	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.960%
35) Dibromofluoromethane	7.728	113	75875	53.513	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.020%
50) Toluene-d8	10.185	98	279718	58.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.360%
62) 4-Bromofluorobenzene	12.489	95	97528	51.694	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.380%

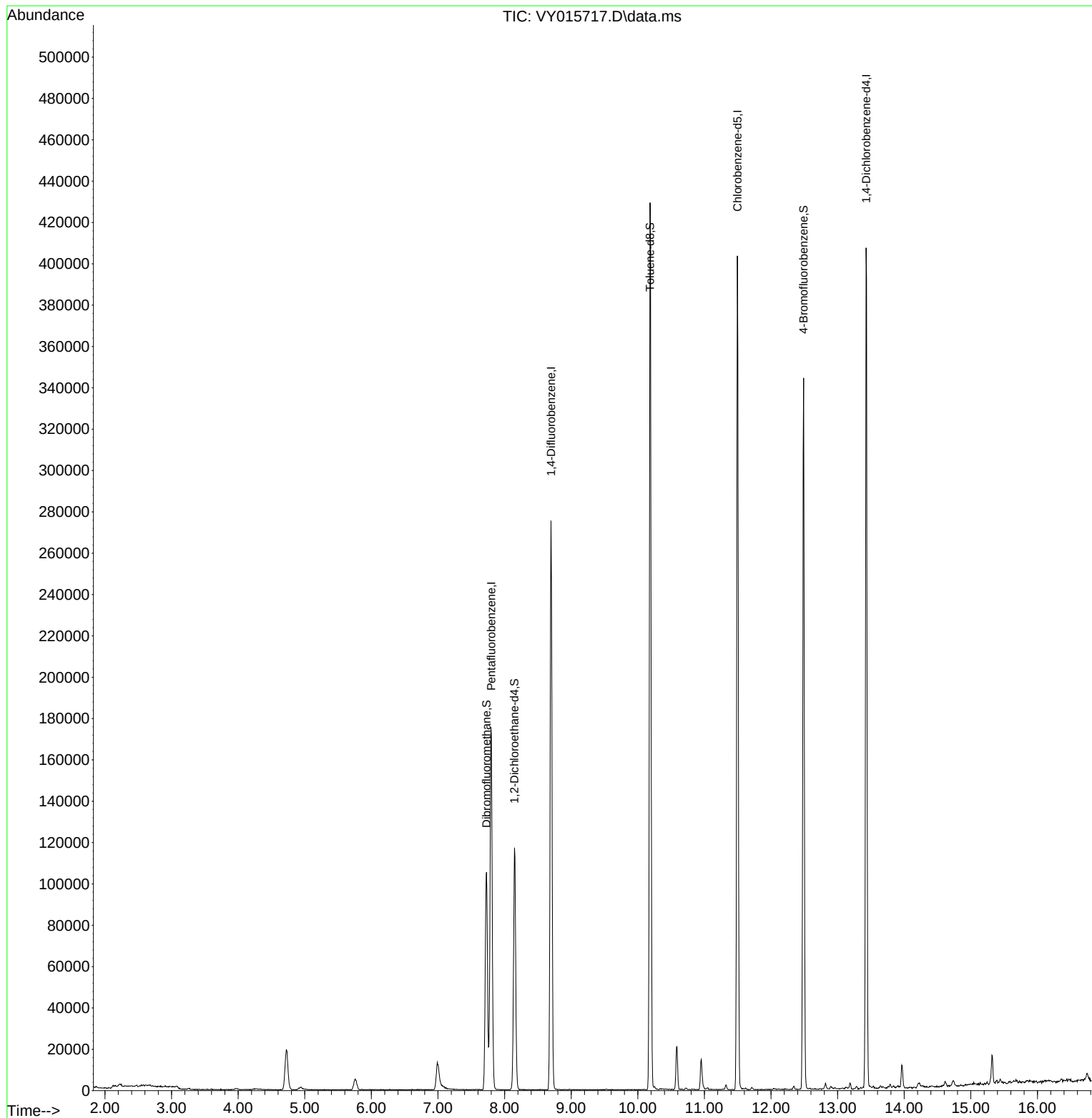
Target Compounds	Qvalue

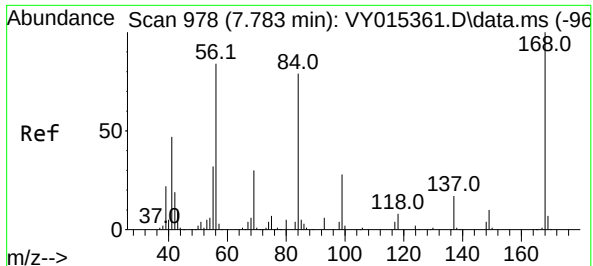
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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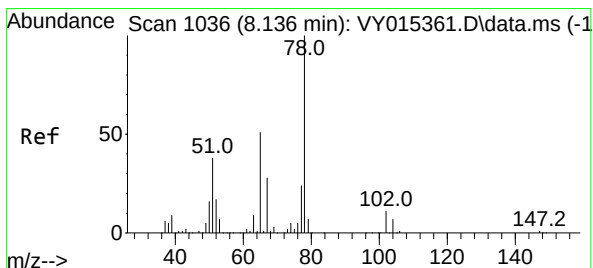
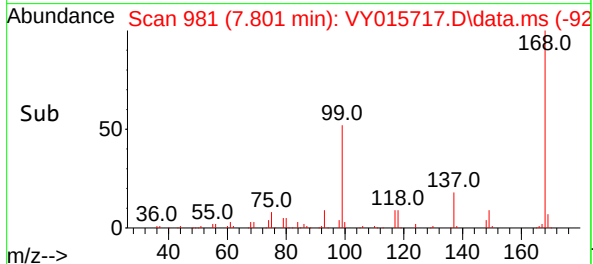
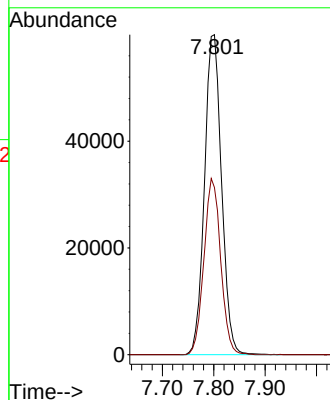
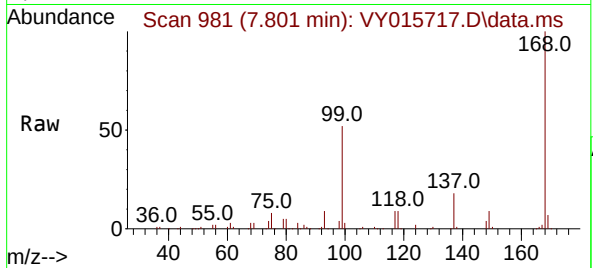




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015717.D
Acq: 26 Sep 2023 18:45

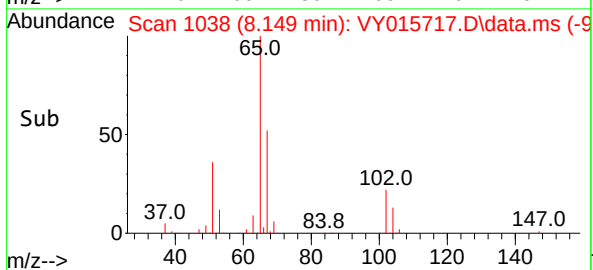
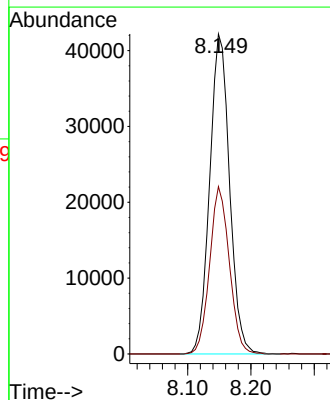
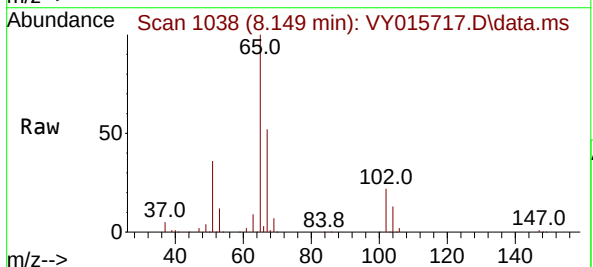
Instrument :
MSVOA_Y
ClientSampleId :
STONE-OUT

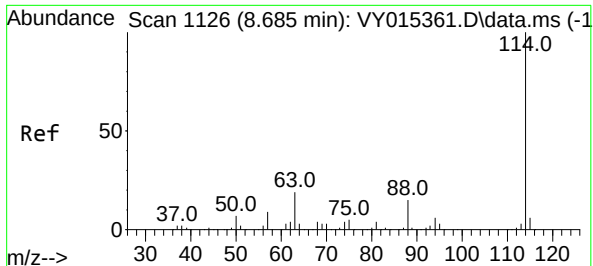
Tgt Ion:168 Resp: 138160
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.480 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015717.D
Acq: 26 Sep 2023 18:45

Tgt Ion: 65 Resp: 91938
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

Instrument :

MSVOA_Y

ClientSampleId :

STONE-OUT

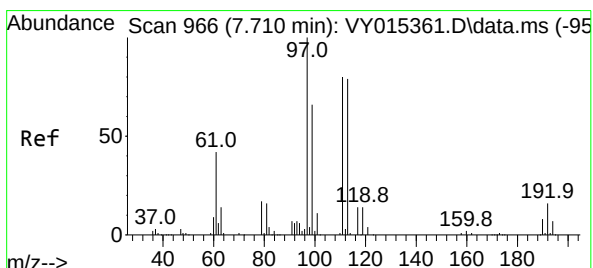
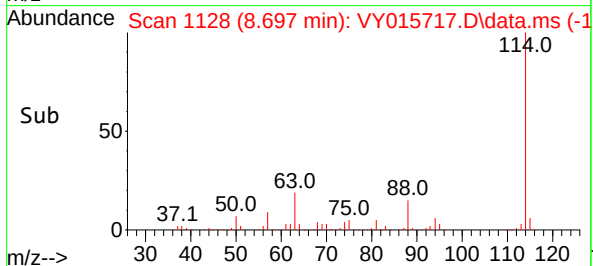
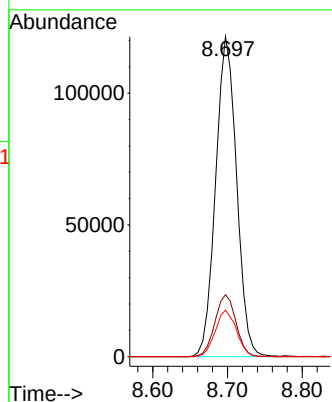
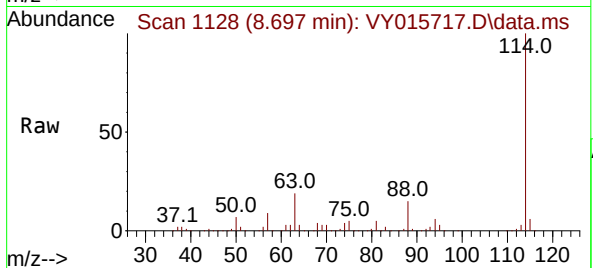
Tgt Ion:114 Resp: 236892

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.513 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

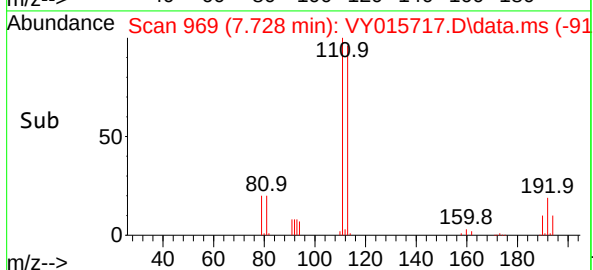
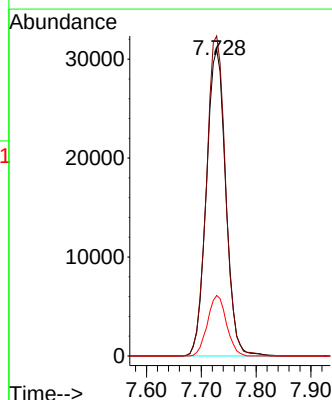
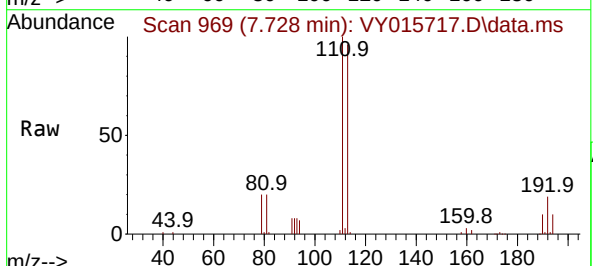
Tgt Ion:113 Resp: 75875

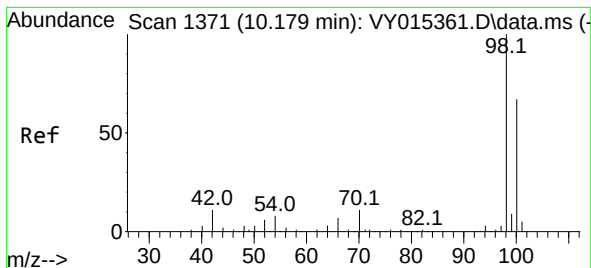
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.3 16.9 25.3





#50

Toluene-d8

Concen: 58.183 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

Instrument :

MSVOA_Y

ClientSampleId :

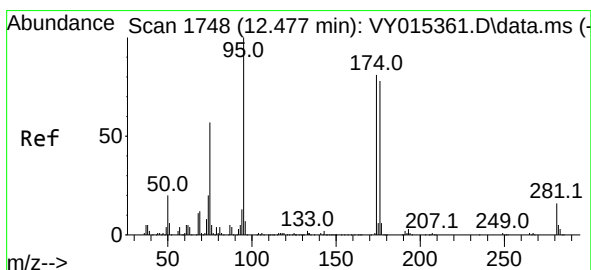
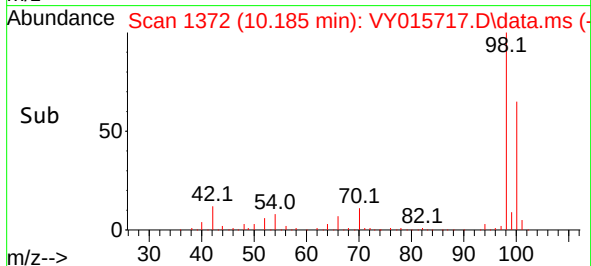
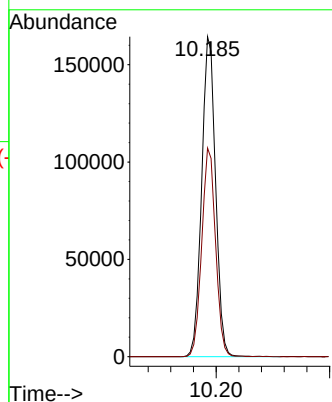
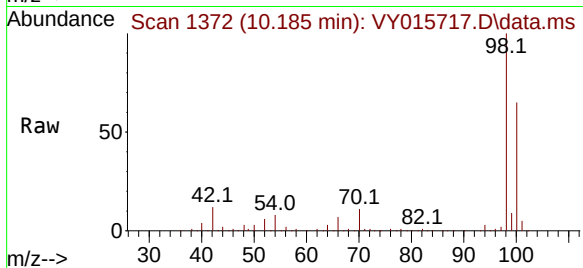
STONE-OUT

Tgt Ion: 98 Resp: 279718

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.694 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

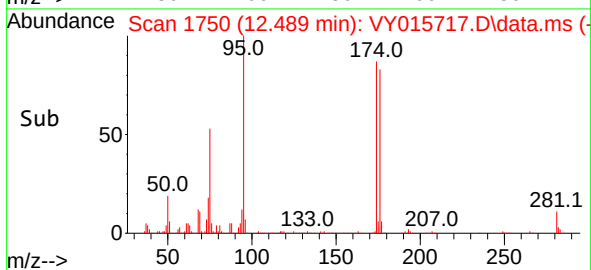
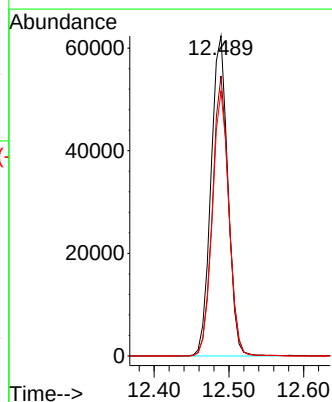
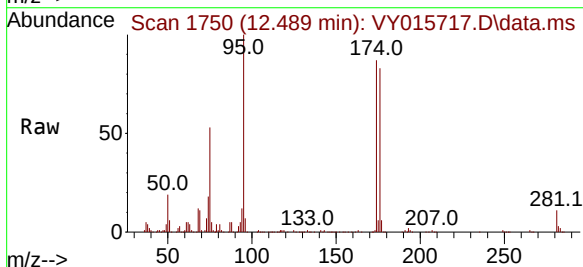
Tgt Ion: 95 Resp: 97528

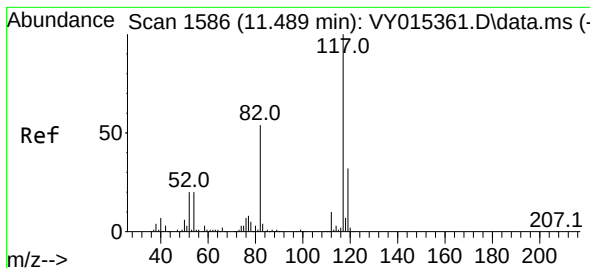
Ion Ratio Lower Upper

95 100

174 84.6 0.0 178.2

176 81.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

Instrument :

MSVOA_Y

ClientSampleId :

STONE-OUT

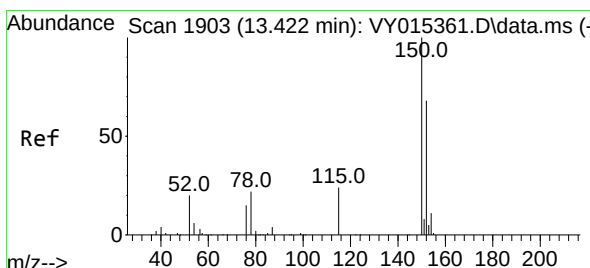
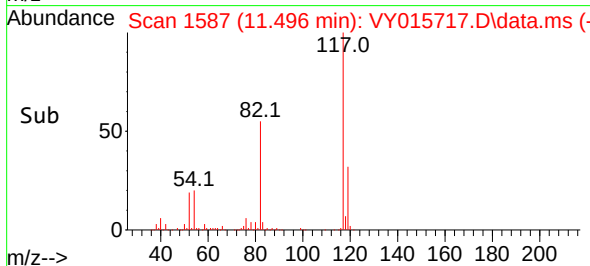
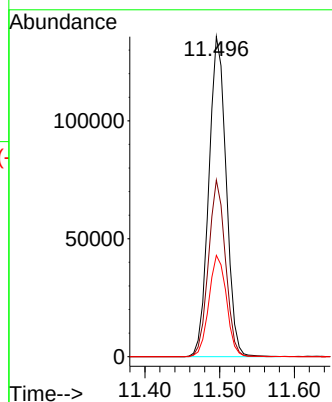
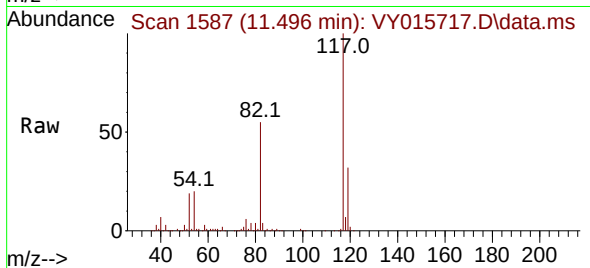
Tgt Ion:117 Resp: 218772

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015717.D

Acq: 26 Sep 2023 18:45

Tgt Ion:152 Resp: 105227

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.3 0.0 348.8

