

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013800.D
 Acq On : 18 May 2023 14:39
 Operator : KP/MD
 Sample : 02828-05
 Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5

Quant Time: May 19 03:21:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	175068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	296280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137686	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122758	60.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.720%
35) Dibromofluoromethane	7.722	113	103204	53.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.760%
50) Toluene-d8	10.185	98	370815	50.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.483	95	121431	49.878	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.760%

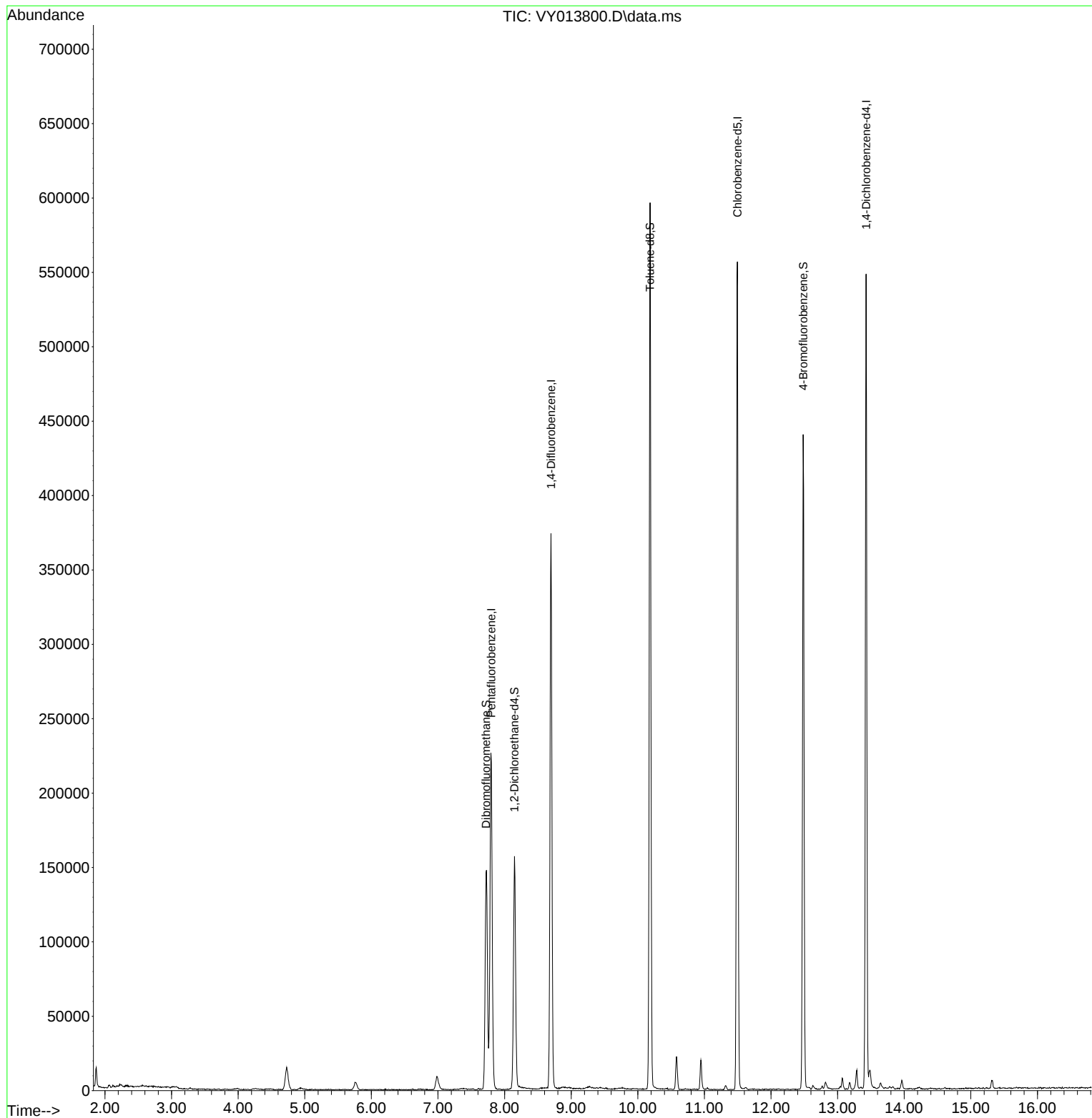
Target Compounds	Qvalue

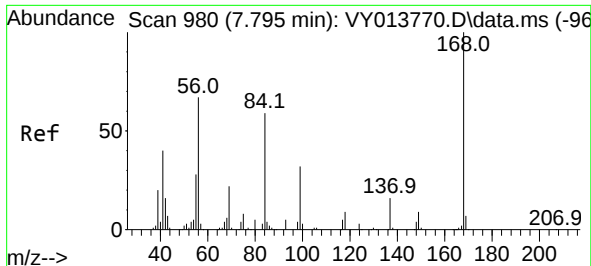
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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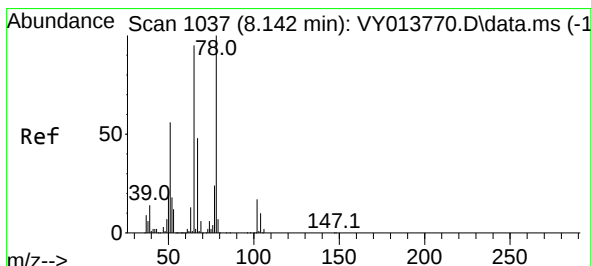
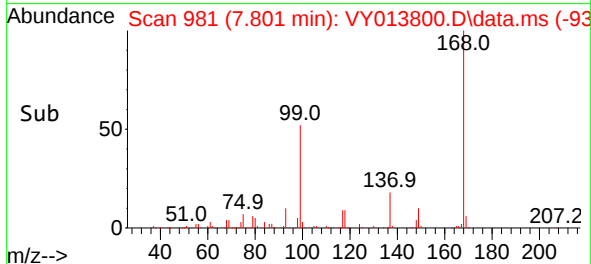
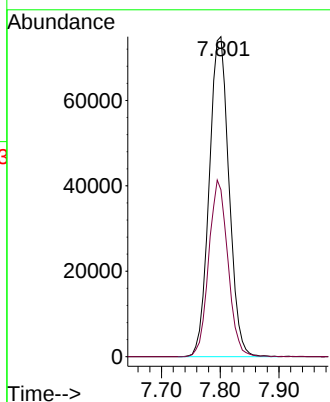
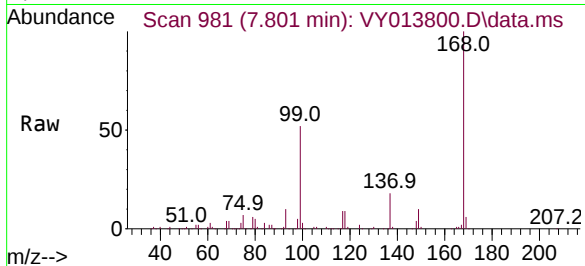




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013800.D
Acq: 18 May 2023 14:39

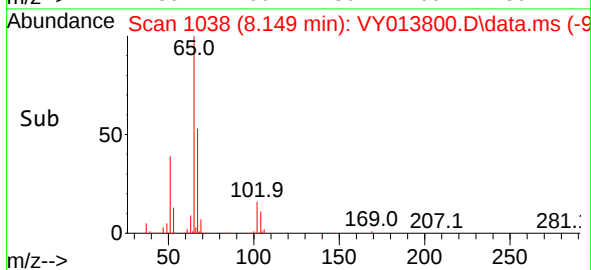
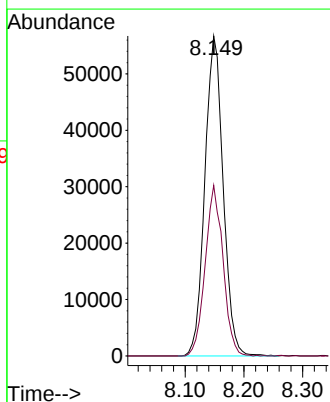
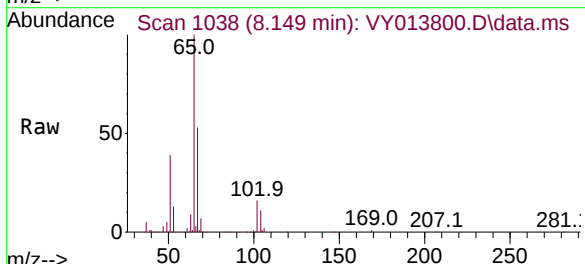
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

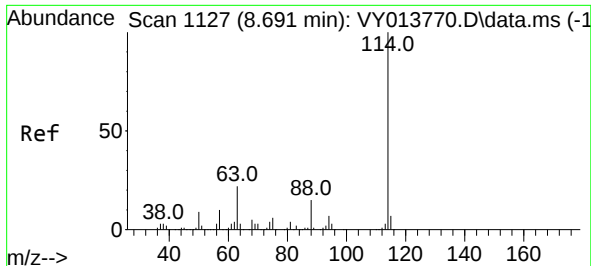
Tgt Ion:168 Resp: 175068
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 60.362 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013800.D
Acq: 18 May 2023 14:39

Tgt Ion: 65 Resp: 122758
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013800.D

Acq: 18 May 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

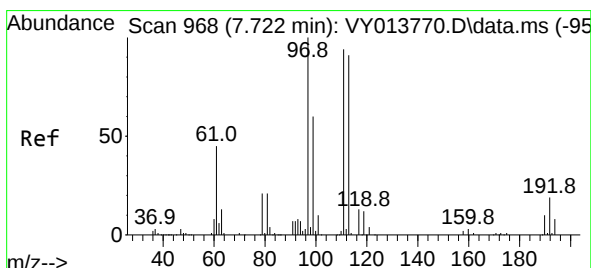
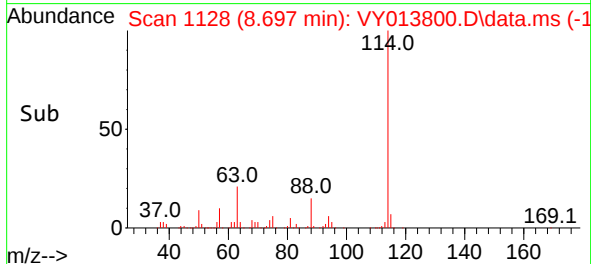
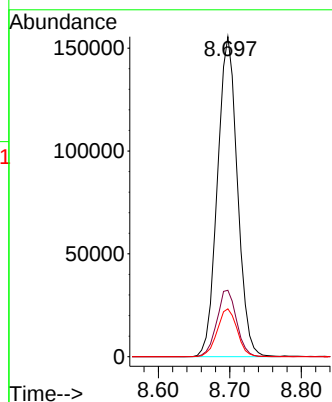
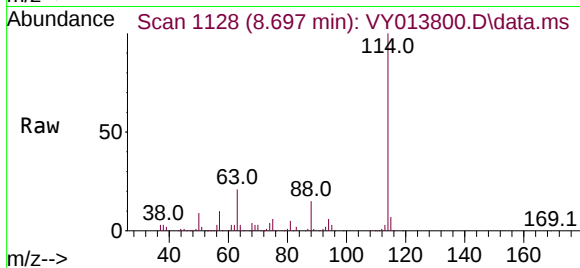
Tgt Ion:114 Resp: 301494

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

88 14.9 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.381 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013800.D

Acq: 18 May 2023 14:39

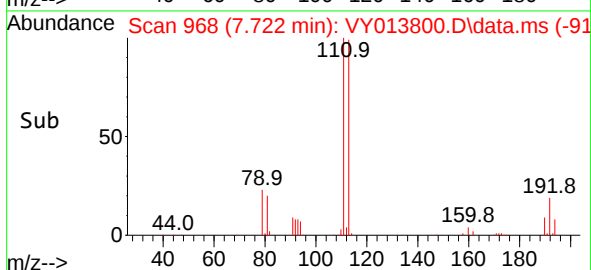
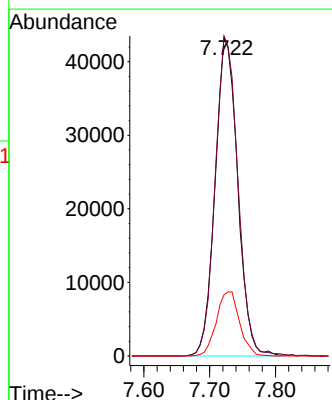
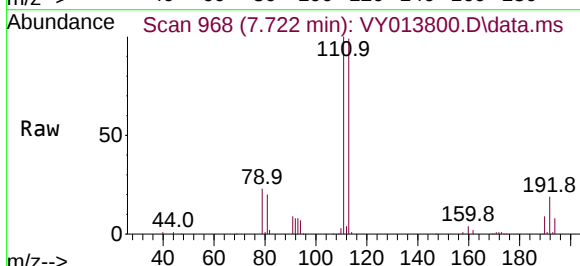
Tgt Ion:113 Resp: 103204

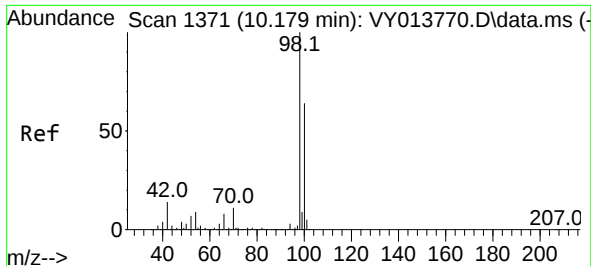
Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 20.7 16.0 24.0

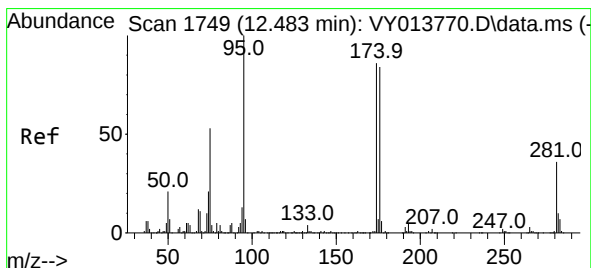
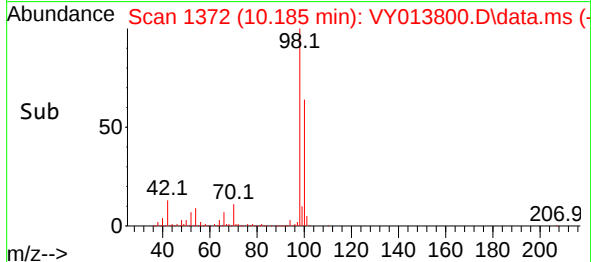
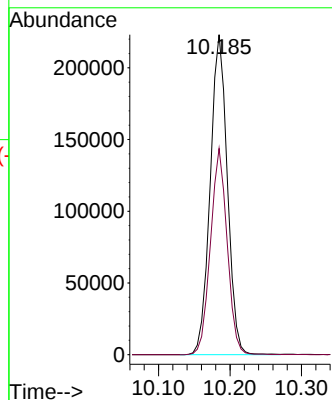
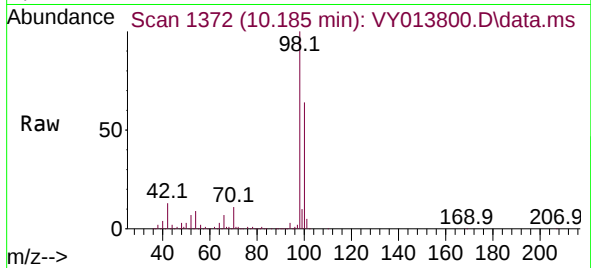




#50
Toluene-d8
Concen: 50.591 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY013800.D
Acq: 18 May 2023 14:39

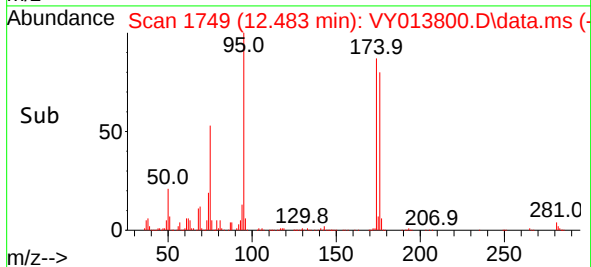
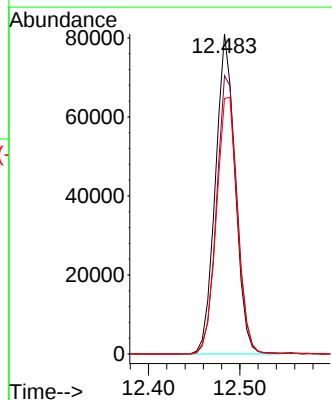
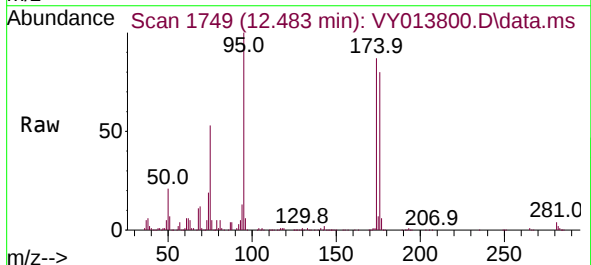
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

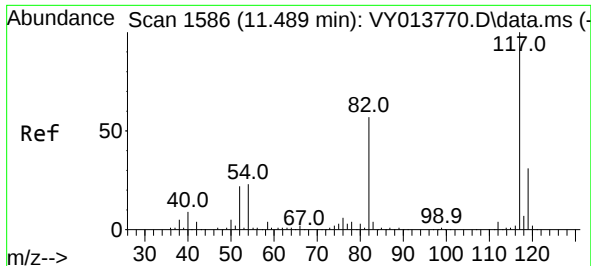
Tgt Ion: 98 Resp: 370815
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 49.878 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013800.D
Acq: 18 May 2023 14:39

Tgt Ion: 95 Resp: 121431
Ion Ratio Lower Upper
95 100
174 91.1 0.0 168.8
176 85.8 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013800.D

Acq: 18 May 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

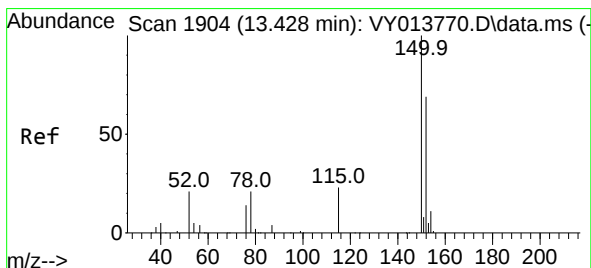
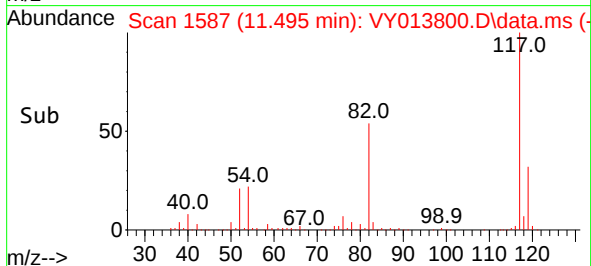
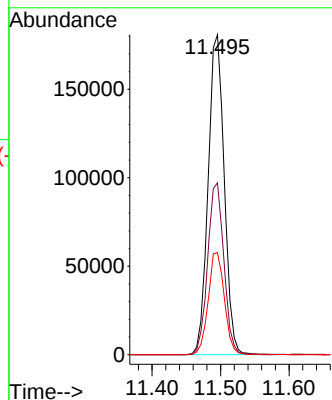
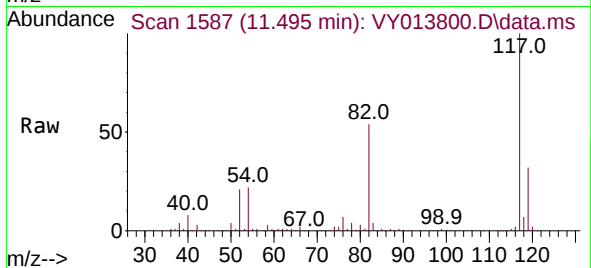
Tgt Ion:117 Resp: 296280

Ion Ratio Lower Upper

117 100

82 53.7 45.5 68.3

119 31.9 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013800.D

Acq: 18 May 2023 14:39

Tgt Ion:152 Resp: 137686

Ion Ratio Lower Upper

152 100

115 56.4 28.5 85.5

150 155.1 0.0 347.0

