

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013173.D
 Acq On : 03 Apr 2023 14:11
 Operator : KP/MD
 Sample : 02163-04
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4A

Quant Time: Apr 03 23:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	96038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67676	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54406	52.714	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.420%
35) Dibromofluoromethane	7.710	113	51093	51.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.179	98	182408	48.234	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.483	95	57169	46.442	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.880%

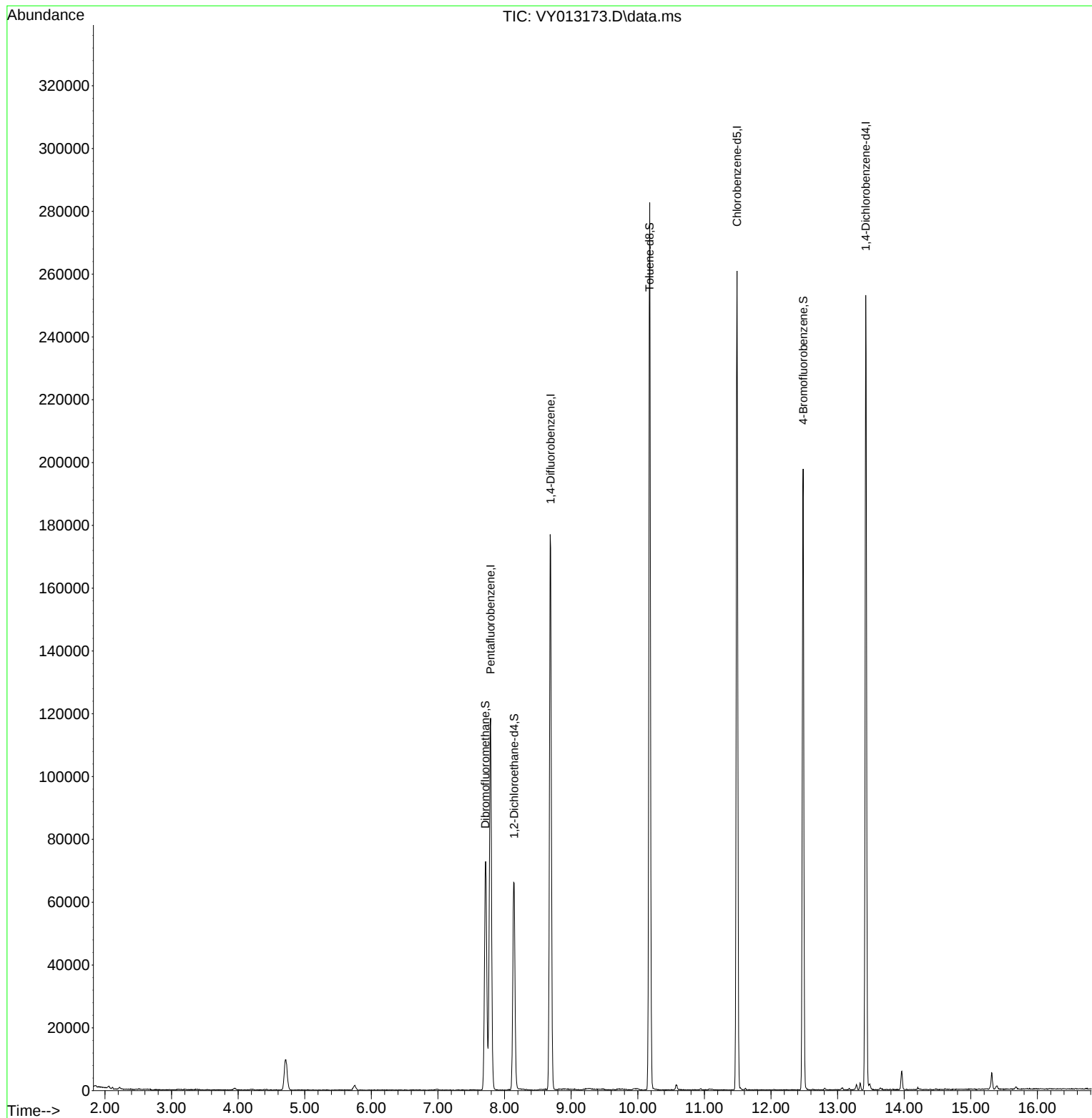
Target Compounds	Qvalue

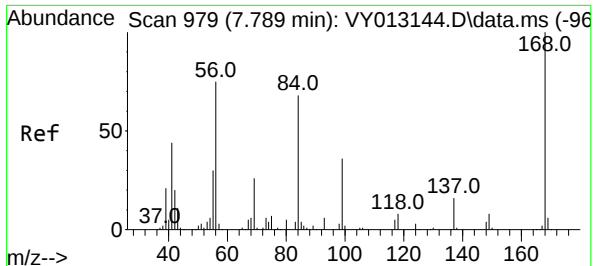
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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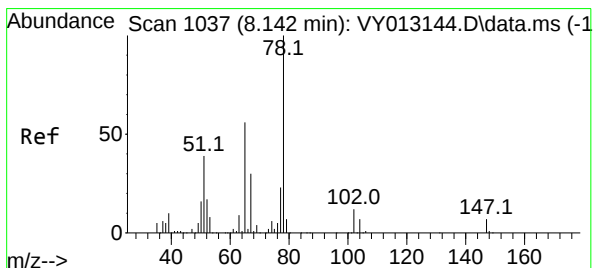
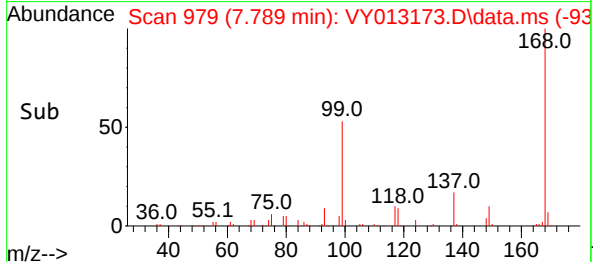
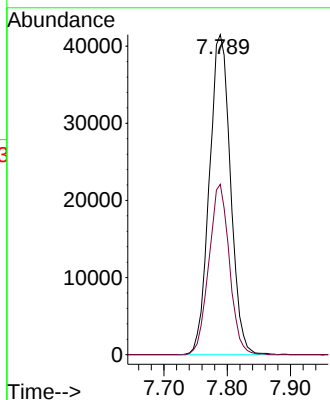
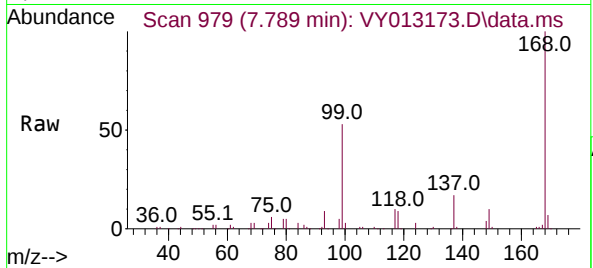




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013173.D
Acq: 03 Apr 2023 14:11

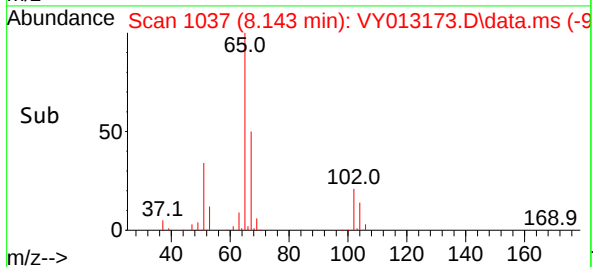
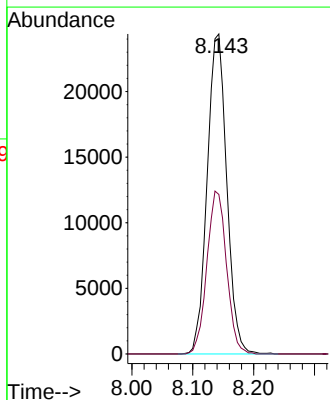
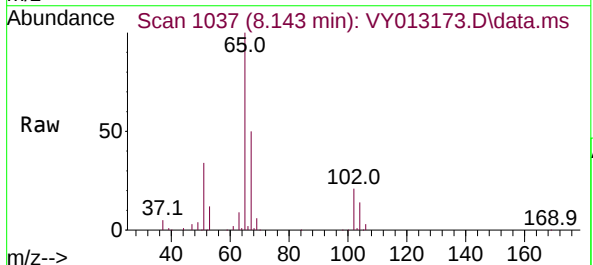
Instrument :
MSVOA_Y
ClientSampleId :
SB-4A

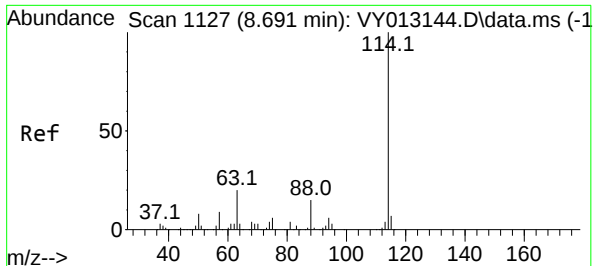
Tgt Ion:168 Resp: 96038
Ion Ratio Lower Upper
168 100
99 53.3 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 52.714 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY013173.D
Acq: 03 Apr 2023 14:11

Tgt Ion: 65 Resp: 54406
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013173.D

Acq: 03 Apr 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

SB-4A

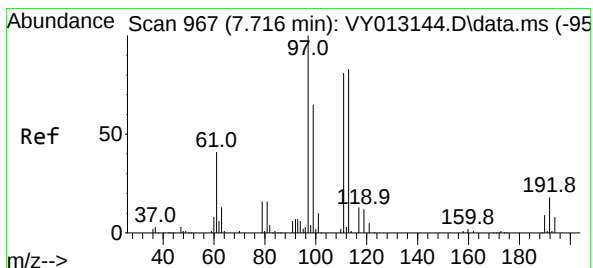
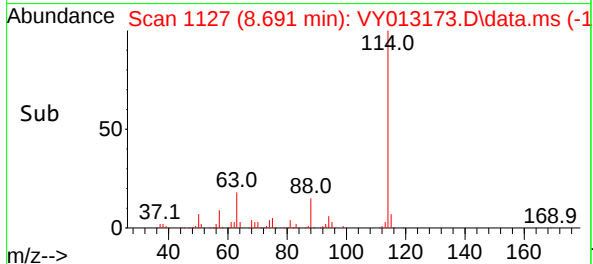
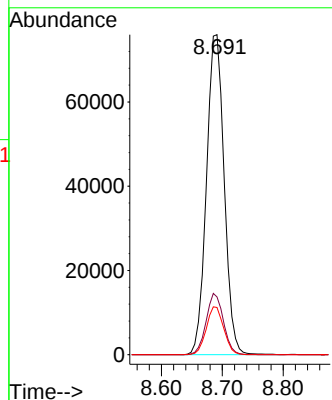
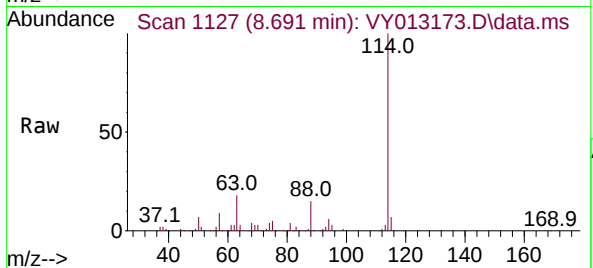
Tgt Ion:114 Resp: 153345

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.4

88 14.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 51.004 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013173.D

Acq: 03 Apr 2023 14:11

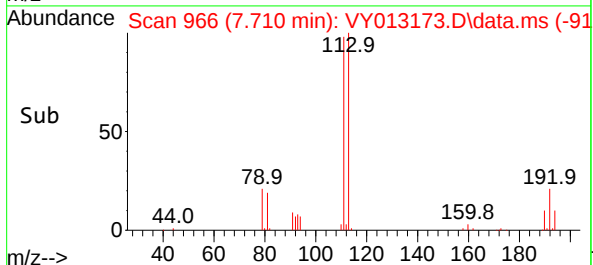
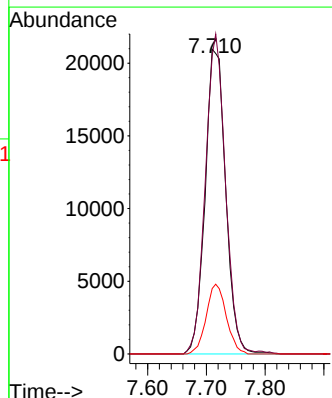
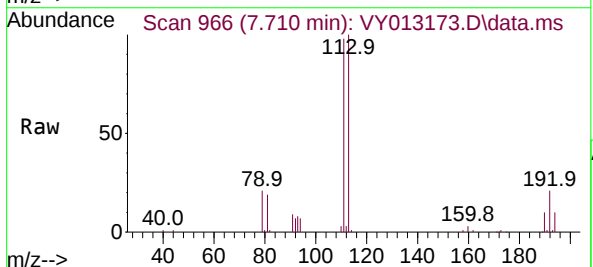
Tgt Ion:113 Resp: 51093

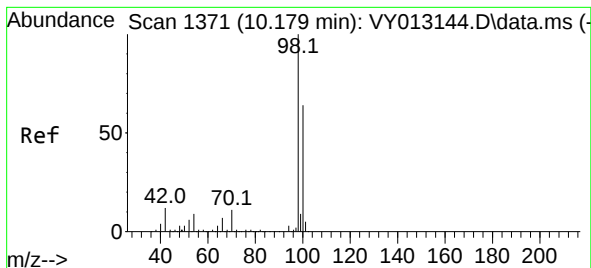
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 22.3 16.8 25.2

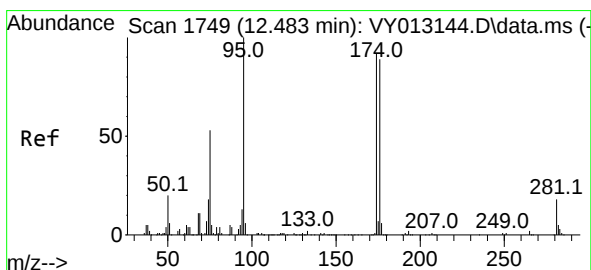
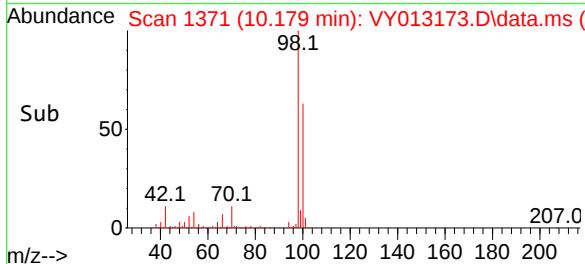
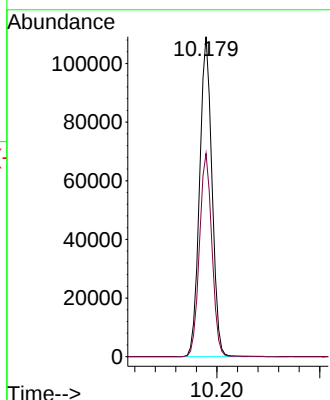
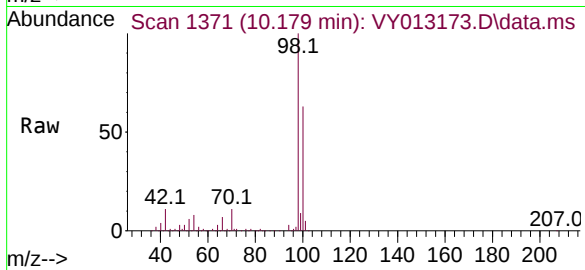




#50
Toluene-d8
Concen: 48.234 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013173.D
Acq: 03 Apr 2023 14:11

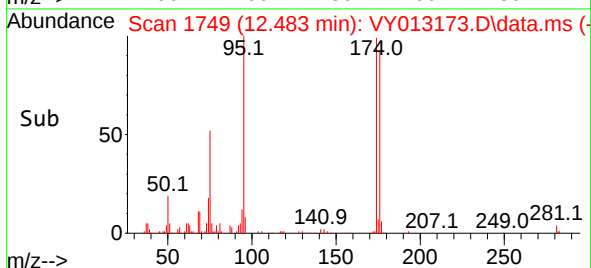
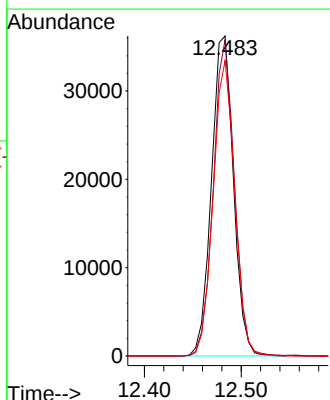
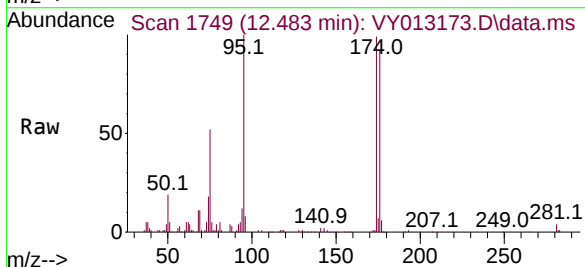
Instrument :
MSVOA_Y
ClientSampleId :
SB-4A

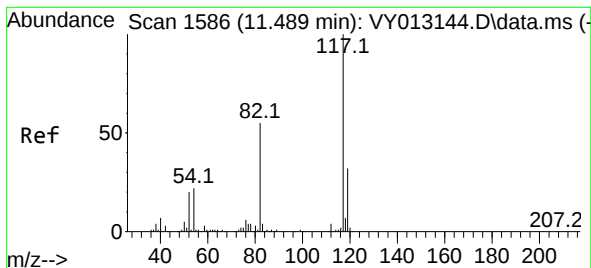
Tgt Ion: 98 Resp: 182408
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.442 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013173.D
Acq: 03 Apr 2023 14:11

Tgt Ion: 95 Resp: 57169
Ion Ratio Lower Upper
95 100
174 94.8 0.0 176.6
176 90.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013173.D

Acq: 03 Apr 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

SB-4A

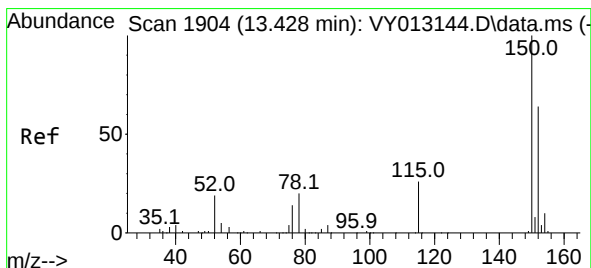
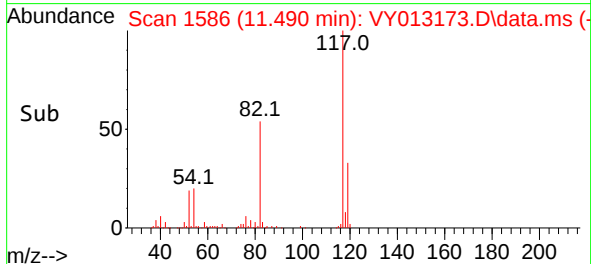
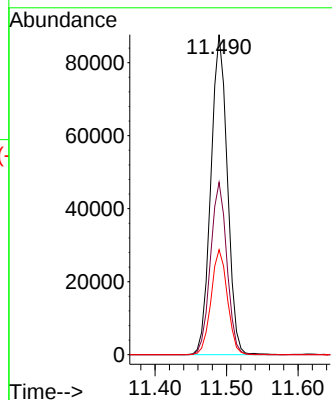
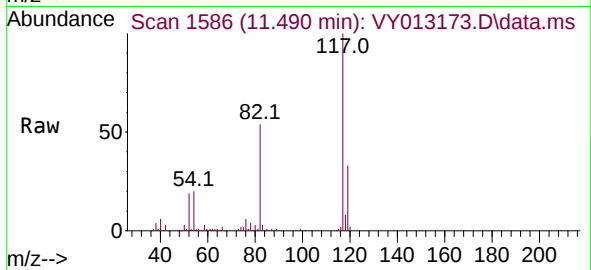
Tgt Ion:117 Resp: 140460

Ion Ratio Lower Upper

117 100

82 53.8 45.4 68.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013173.D

Acq: 03 Apr 2023 14:11

Tgt Ion:152 Resp: 67676

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 155.9 0.0 347.8

