

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013434.D
 Acq On : 25 Apr 2023 07:22
 Operator : KP/MD
 Sample : 02390-06
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPC-2WC-23-04-17

Quant Time: Apr 25 08:00:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	165618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	278083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	233951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79638	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	114981	63.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.660%
35) Dibromofluoromethane	7.716	113	97312	55.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.280%
50) Toluene-d8	10.179	98	327107	52.573	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.140%
62) 4-Bromofluorobenzene	12.483	95	85198	40.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.240%

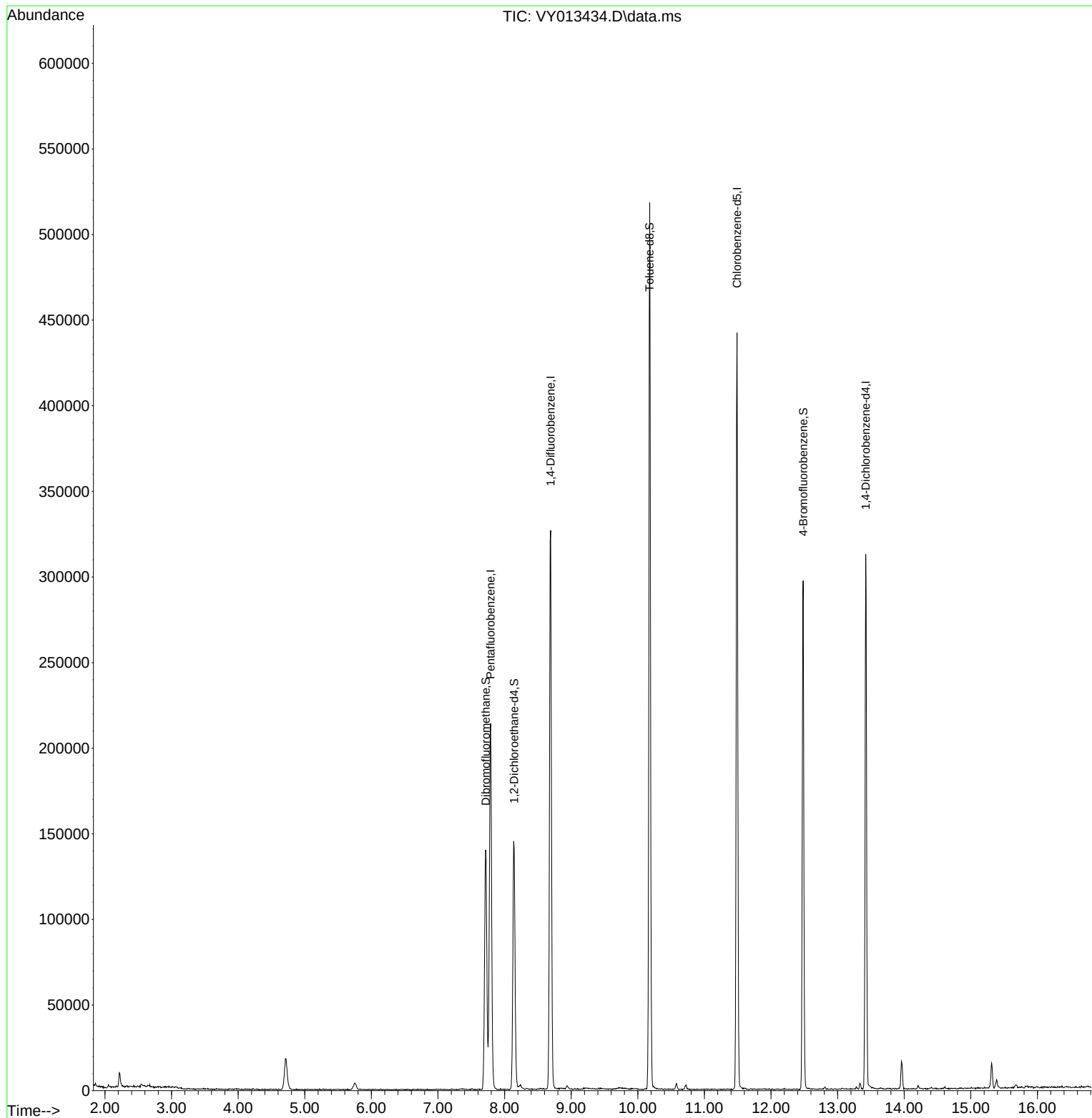
Target Compounds	Qvalue

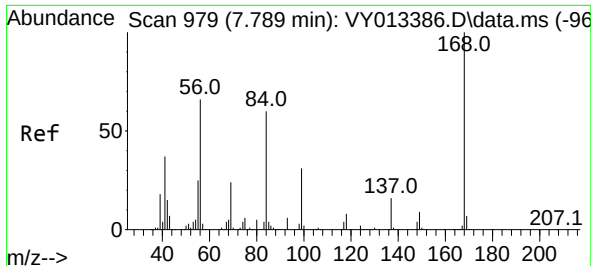
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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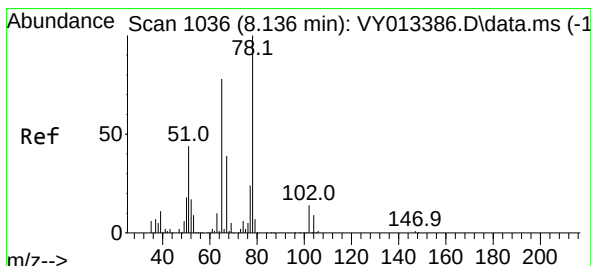
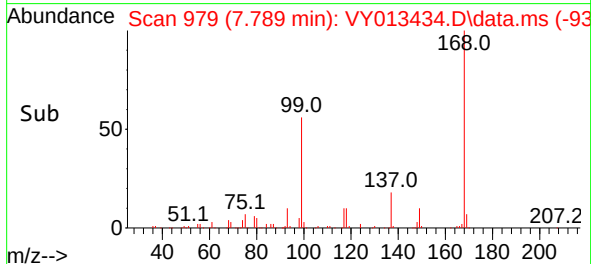
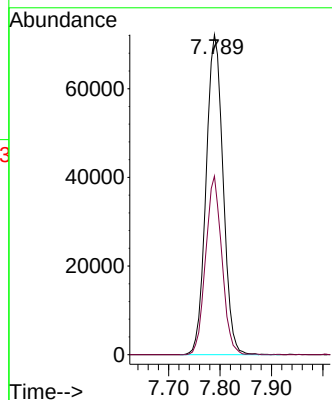
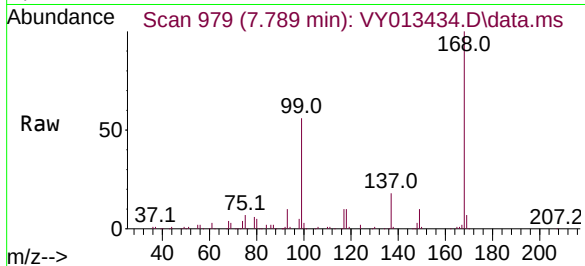




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013434.D
Acq: 25 Apr 2023 07:22

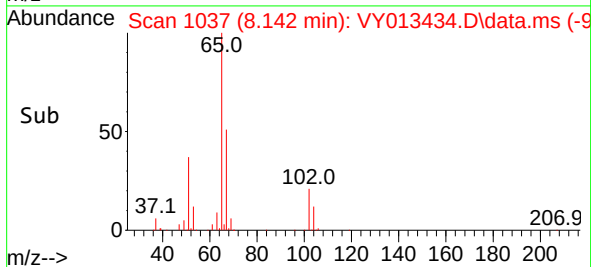
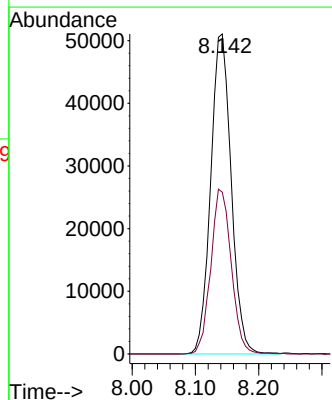
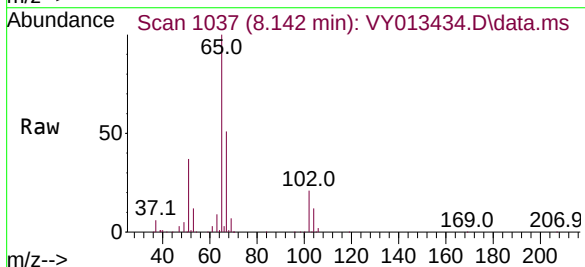
Instrument :
MSVOA_Y
ClientSampleId :
SPC-2WC-23-04-17

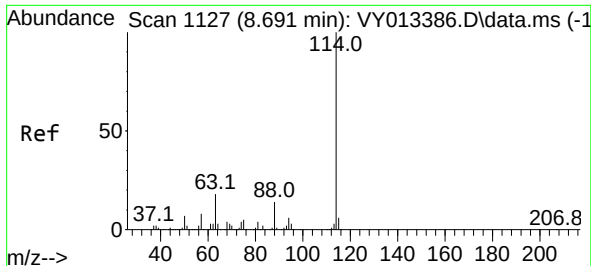
Tgt Ion:168 Resp: 165618
Ion Ratio Lower Upper
168 100
99 55.8 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 63.332 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013434.D
Acq: 25 Apr 2023 07:22

Tgt Ion: 65 Resp: 114981
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

Instrument :

MSVOA_Y

ClientSampleId :

SPC-2WC-23-04-17

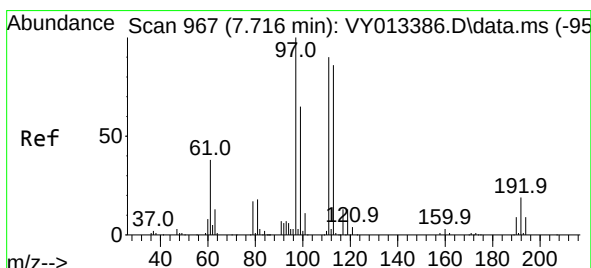
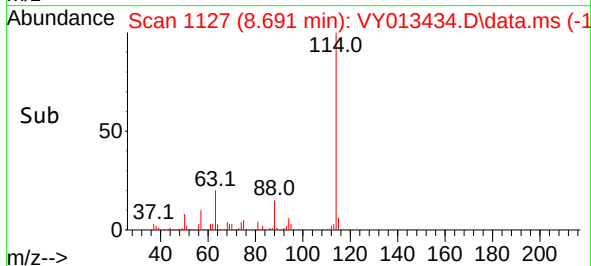
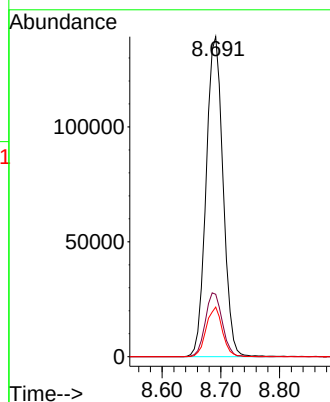
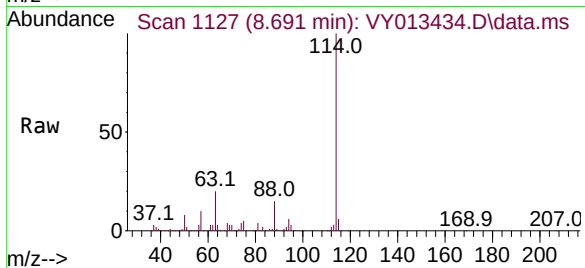
Tgt Ion:114 Resp: 278083

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.6

88 15.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.638 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

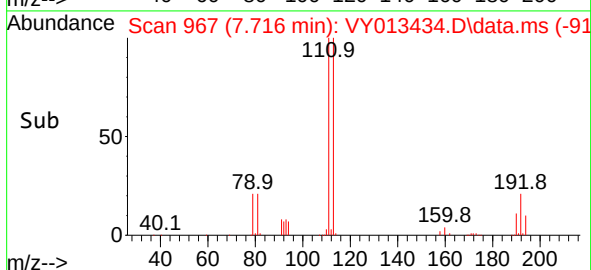
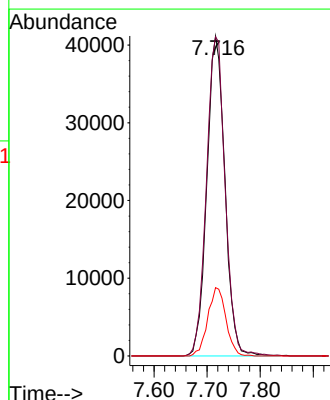
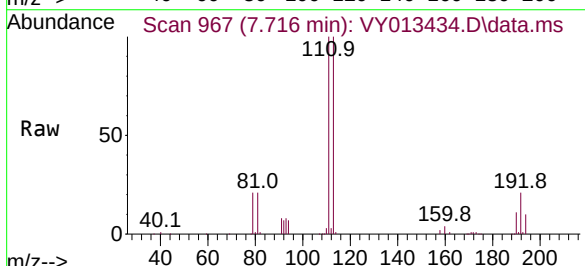
Tgt Ion:113 Resp: 97312

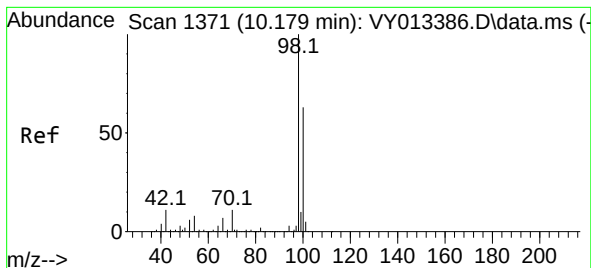
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 21.5 16.7 25.1





#50

Toluene-d8

Concen: 52.573 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

Instrument :

MSVOA_Y

ClientSampleId :

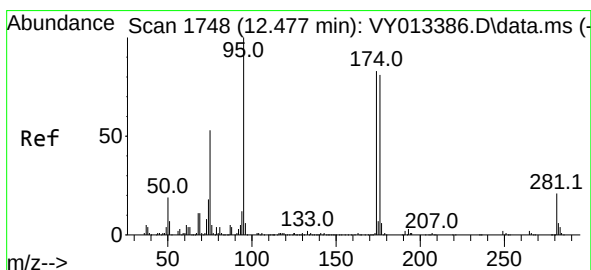
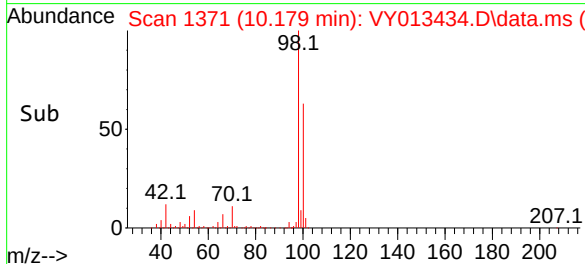
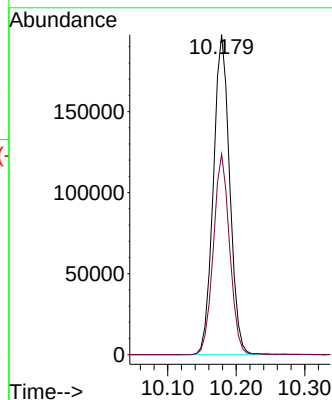
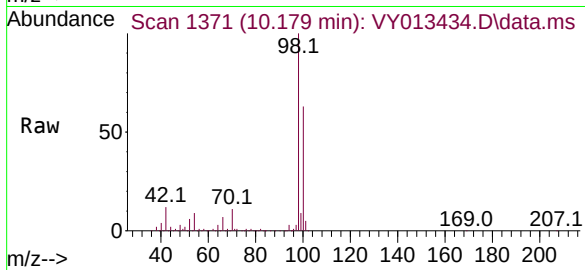
SPC-2WC-23-04-17

Tgt Ion: 98 Resp: 327107

Ion Ratio Lower Upper

98 100

100 62.3 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 40.617 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

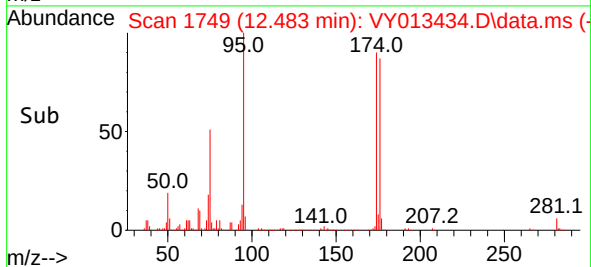
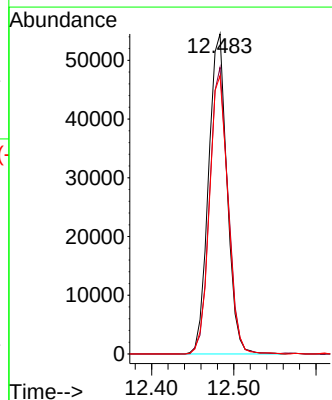
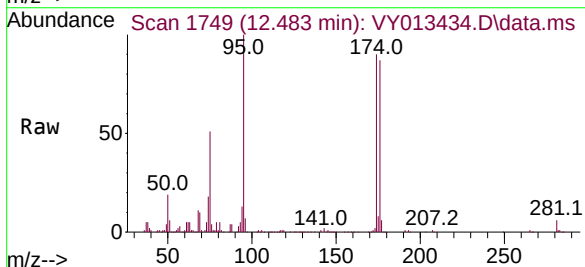
Tgt Ion: 95 Resp: 85198

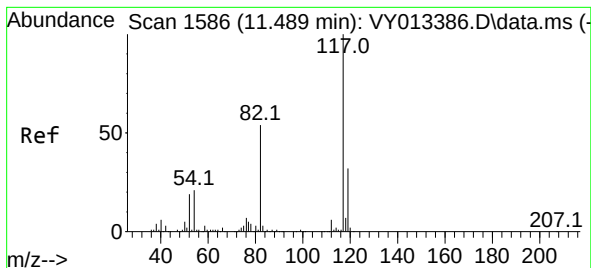
Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.0

176 87.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

Instrument :

MSVOA_Y

ClientSampleId :

SPC-2WC-23-04-17

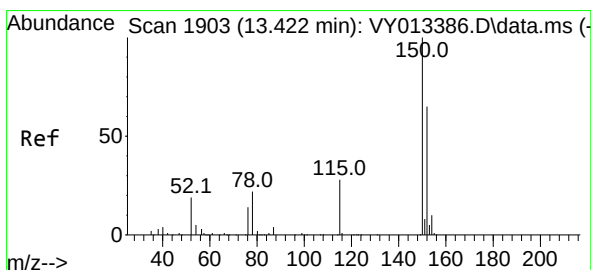
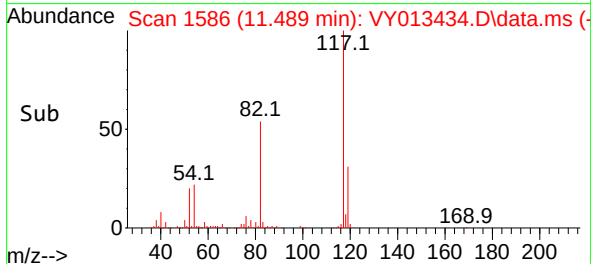
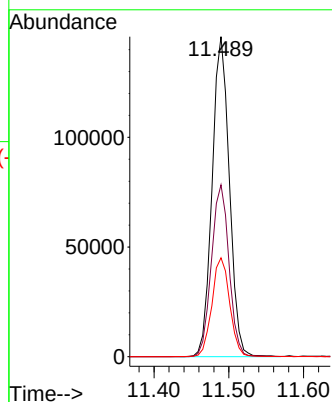
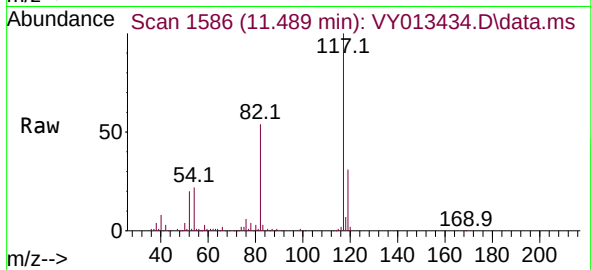
Tgt Ion:117 Resp: 233951

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.6

119 30.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013434.D

Acq: 25 Apr 2023 07:22

Tgt Ion:152 Resp: 79638

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

150 157.8 0.0 352.0

