

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013666.D
 Acq On : 09 May 2023 14:24
 Operator : KP/MD
 Sample : 02665-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-612-VOC-01

Quant Time: May 10 05:37:02 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	189055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149661	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	140308	67.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.400%
35) Dibromofluoromethane	7.716	113	112556	55.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.640%
50) Toluene-d8	10.179	98	396882	54.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.660%
62) 4-Bromofluorobenzene	12.483	95	129303	52.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.980%

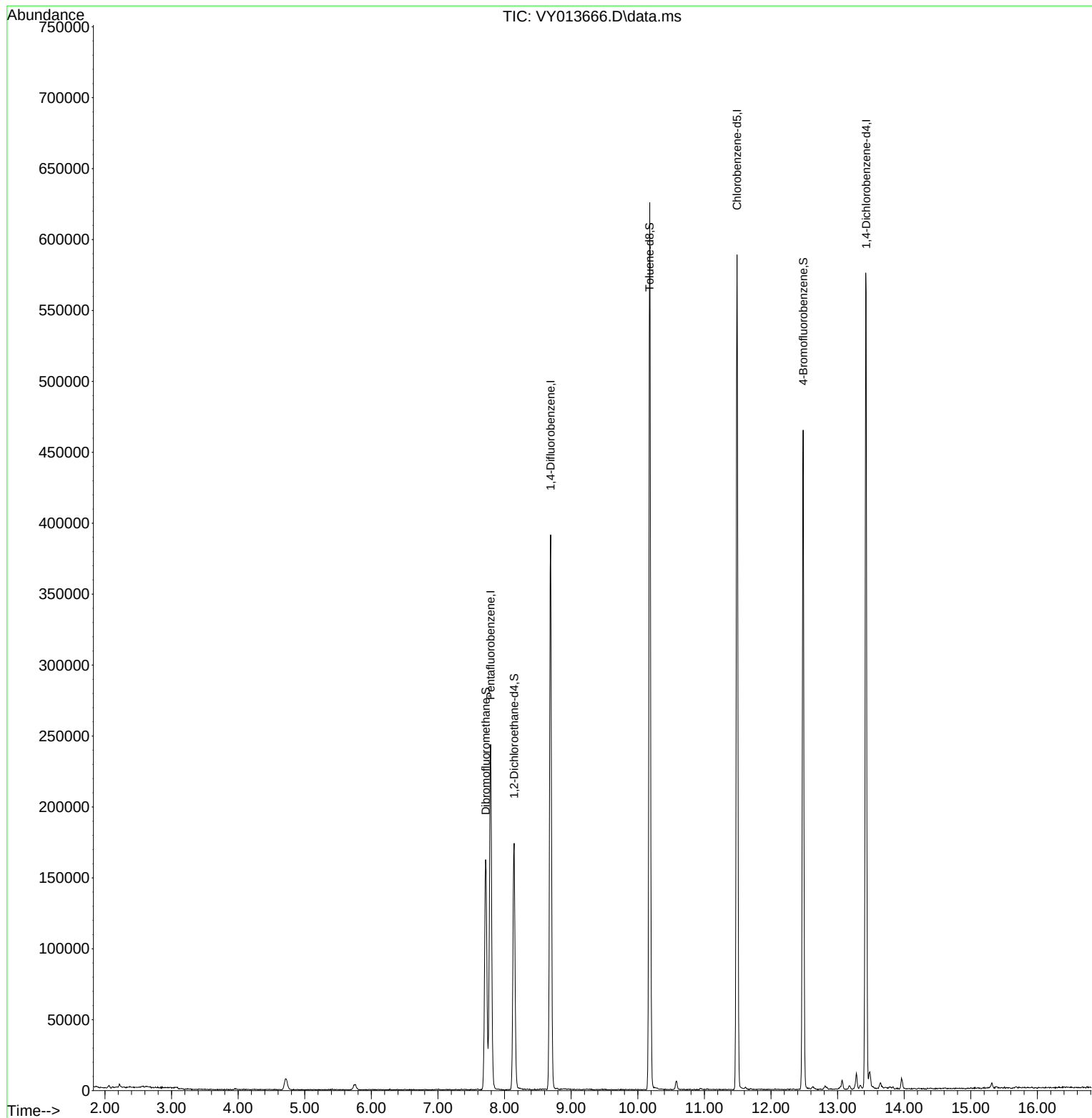
Target Compounds	Qvalue

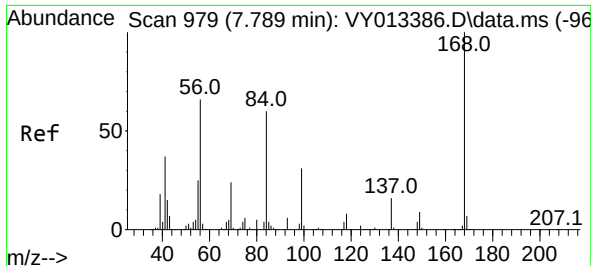
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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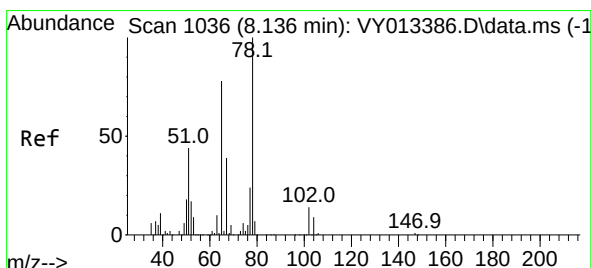
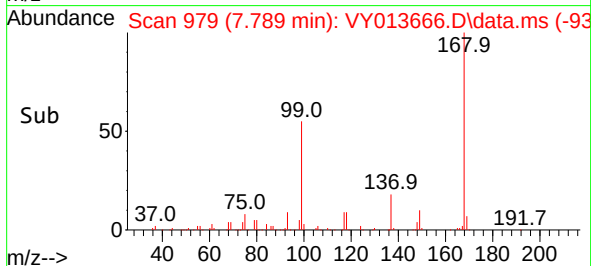
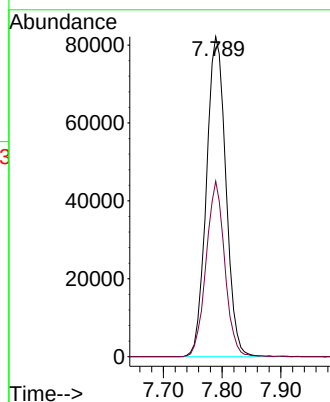
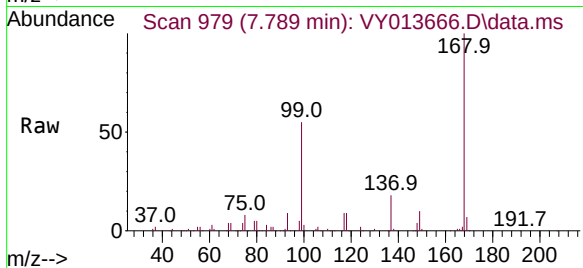




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

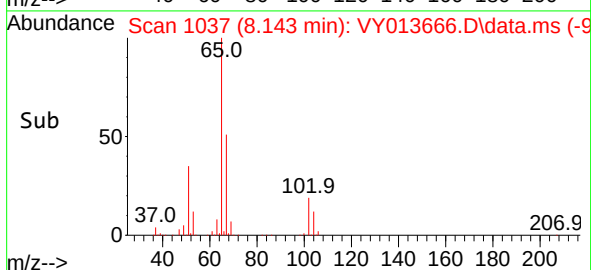
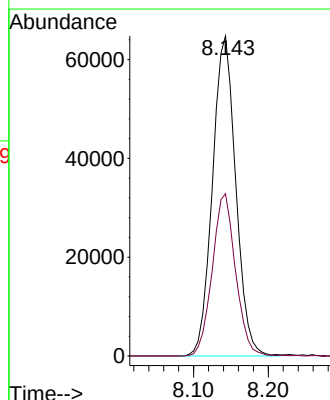
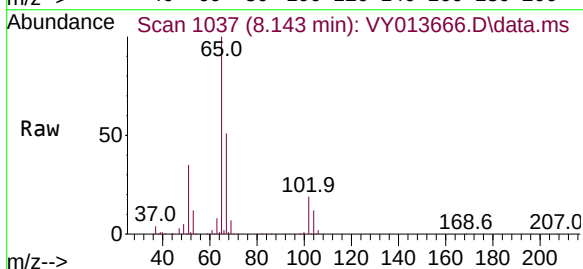
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-01

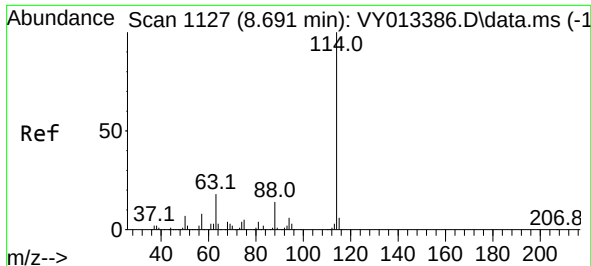
Tgt Ion:168 Resp: 189055
Ion Ratio Lower Upper
168 100
99 54.8 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 67.701 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Tgt Ion: 65 Resp: 140308
Ion Ratio Lower Upper
65 100
67 50.7 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: VY013666.D

Acq: 09 May 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-01

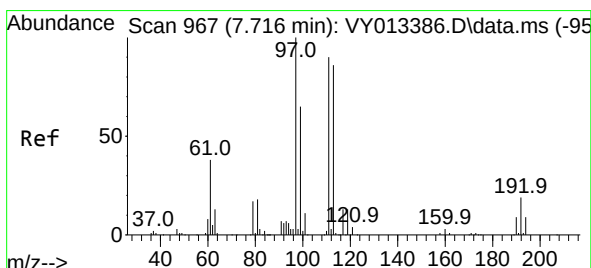
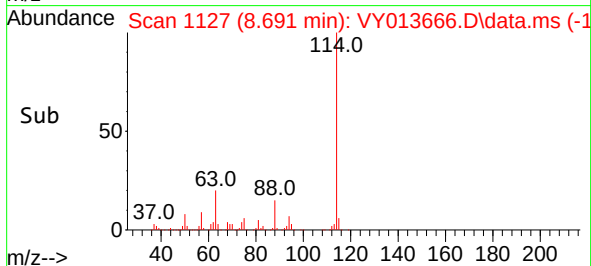
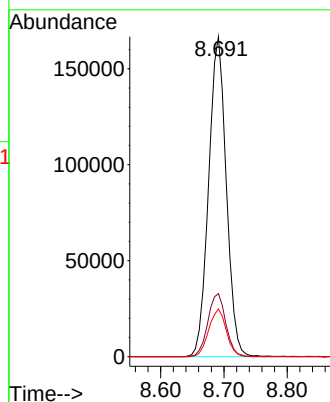
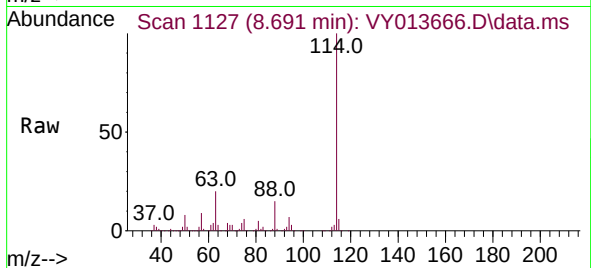
Tgt Ion:114 Resp: 323509

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.318 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

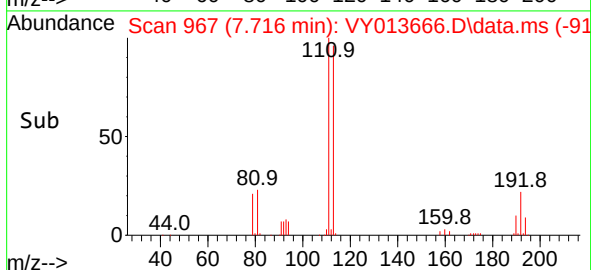
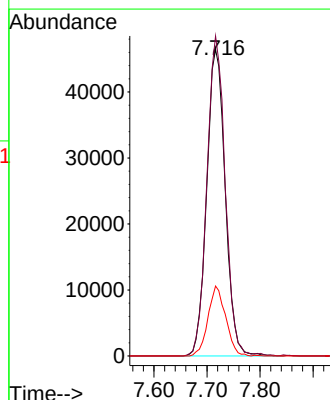
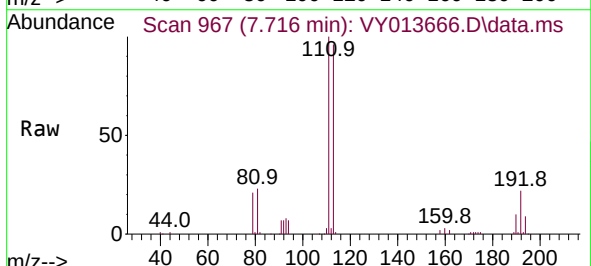
Tgt Ion:113 Resp: 112556

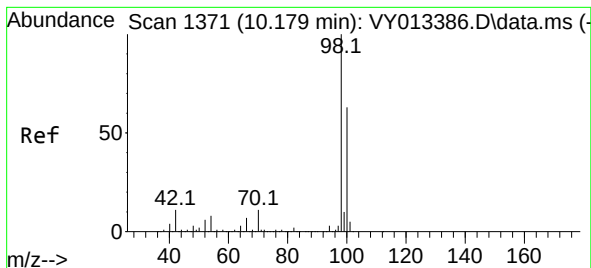
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 21.8 16.7 25.1





#50

Toluene-d8

Concen: 54.830 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

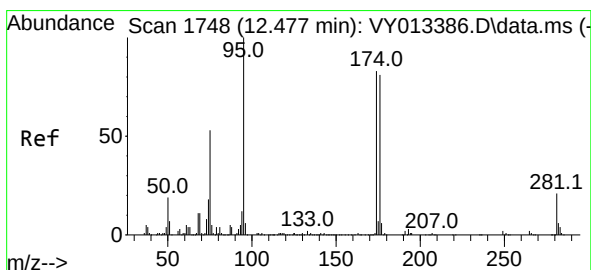
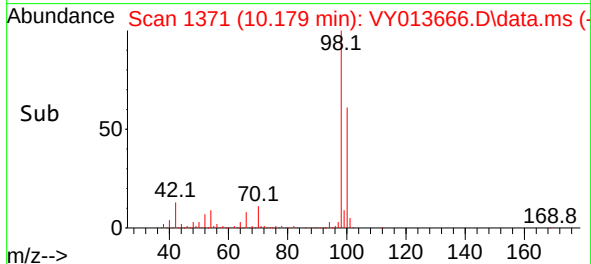
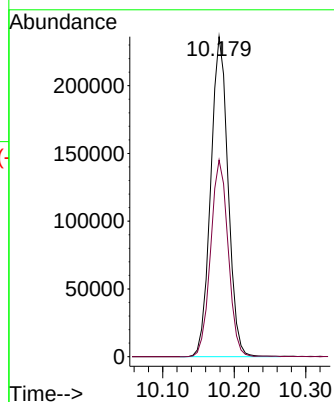
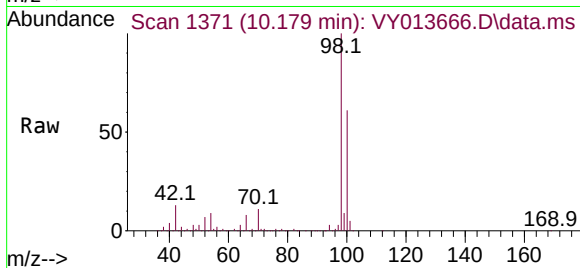
TR-612-VOC-01

Tgt Ion: 98 Resp: 396882

Ion Ratio Lower Upper

98 100

100 62.0 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 52.988 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

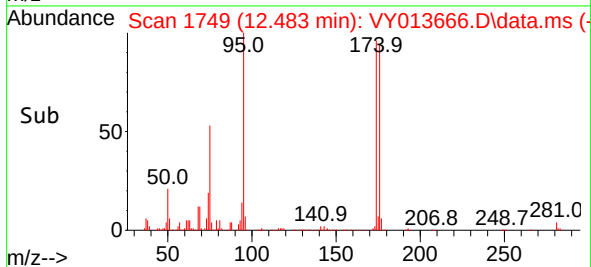
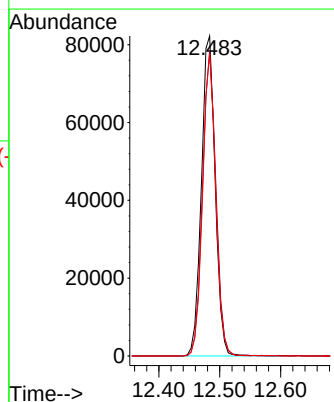
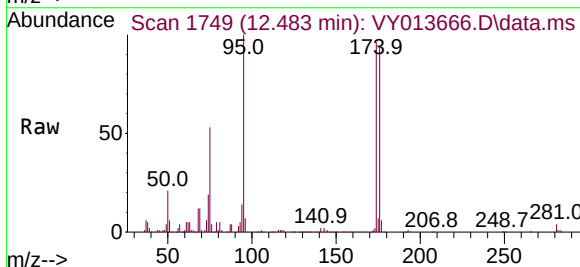
Tgt Ion: 95 Resp: 129303

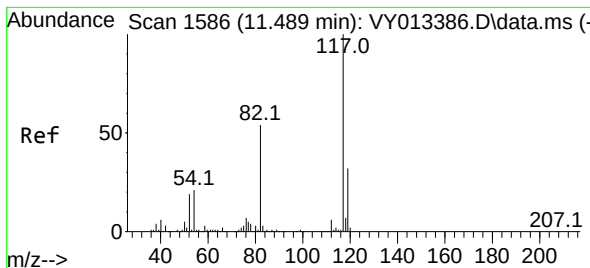
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.0

176 89.9 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-01

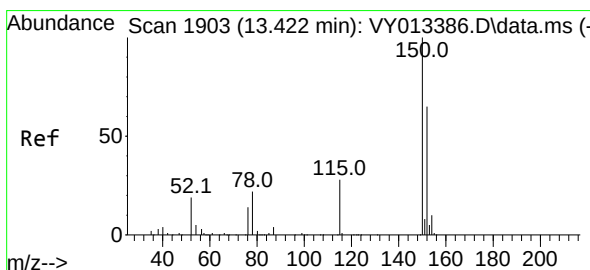
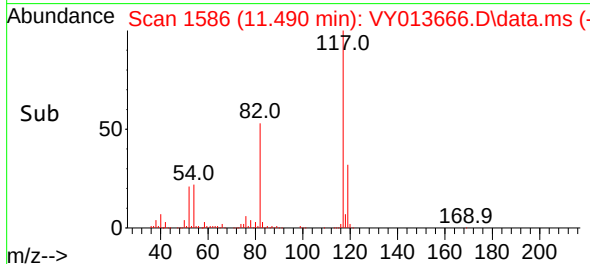
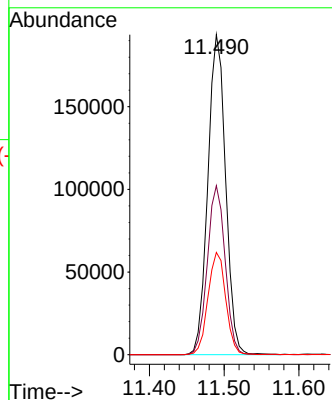
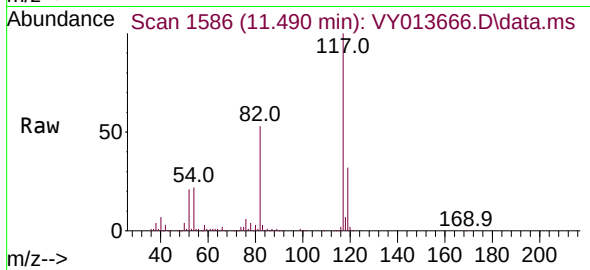
Tgt Ion:117 Resp: 319448

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.6

119 31.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

Tgt Ion:152 Resp: 149661

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

150 155.9 0.0 352.0

