

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012545.D
 Acq On : 08 Feb 2023 16:12
 Operator : KP/MD
 Sample : 01462-14
 Misc : 3.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-16

Quant Time: Feb 09 07:15:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

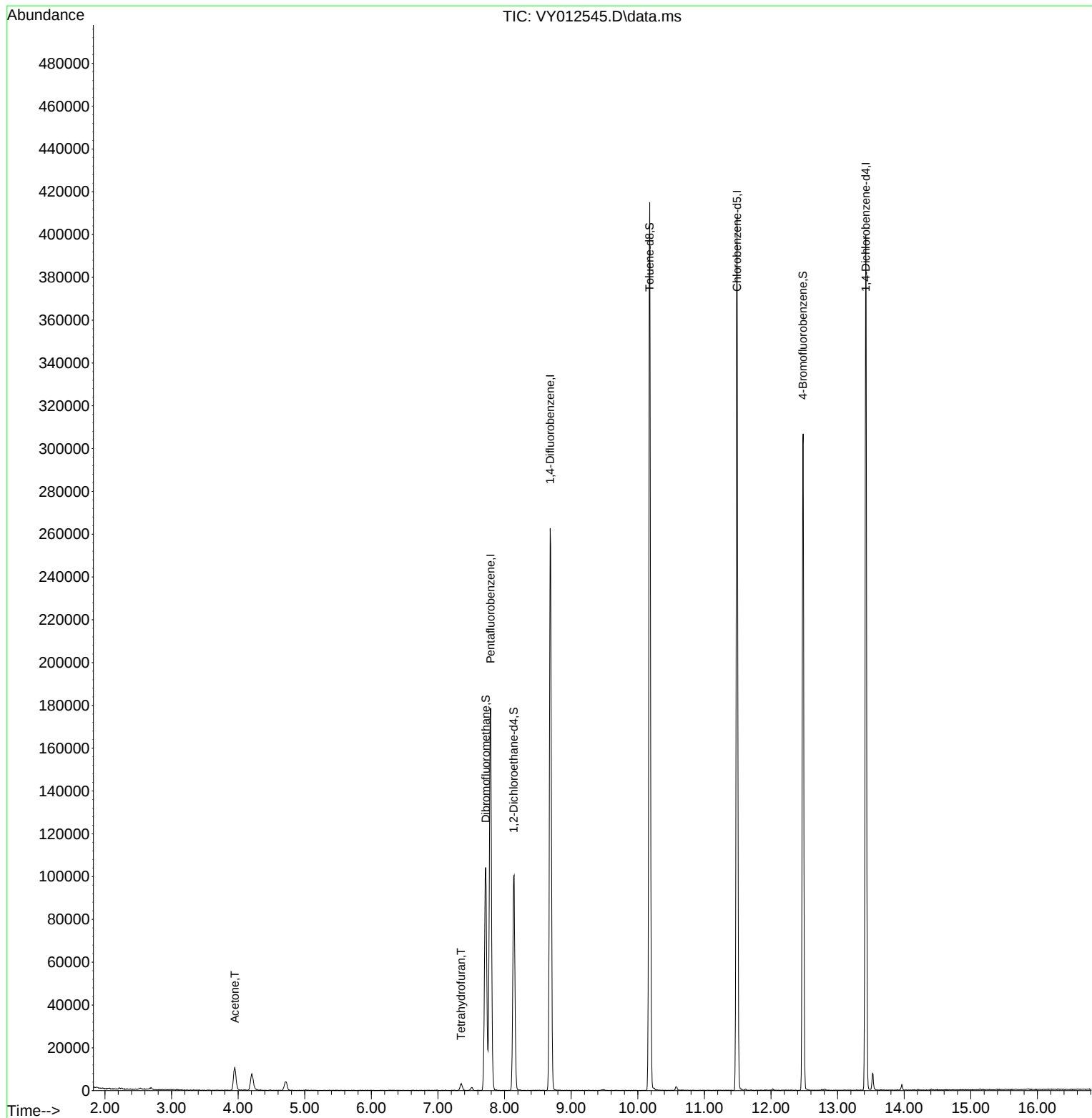
Internal Standards						
1) Pentafluorobenzene	7.789	168	143671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	240033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	231396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84438	46.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.440%
35) Dibromofluoromethane	7.716	113	71252	40.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.520%
50) Toluene-d8	10.179	98	281429	38.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.360%
62) 4-Bromofluorobenzene	12.477	95	92211	36.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.660%
Target Compounds						
16) Acetone	3.948	43	18763	42.670	ug/l	94
29) Tetrahydrofuran	7.344	42	2301	8.724	ug/l #	73

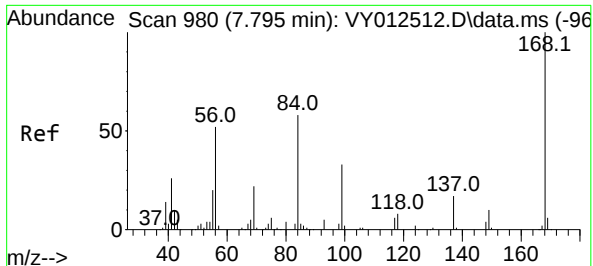
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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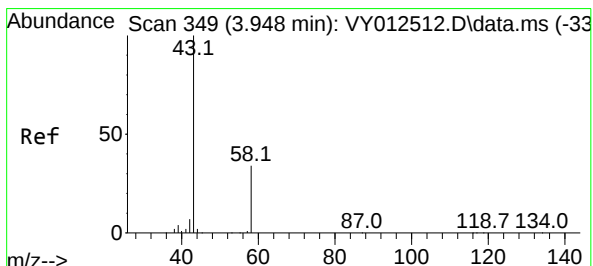
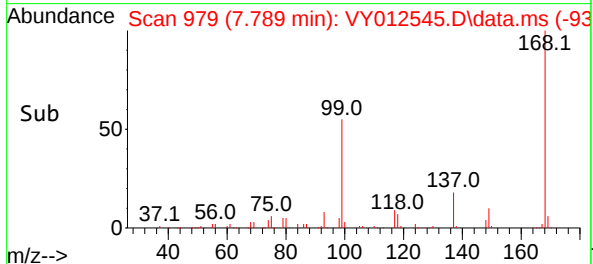
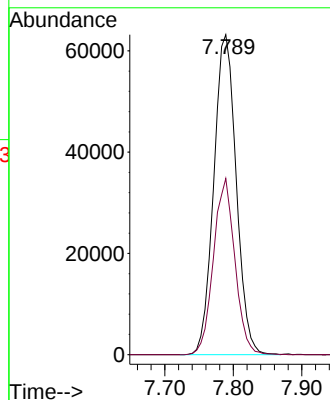
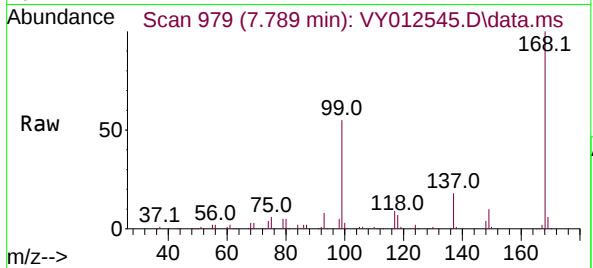




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

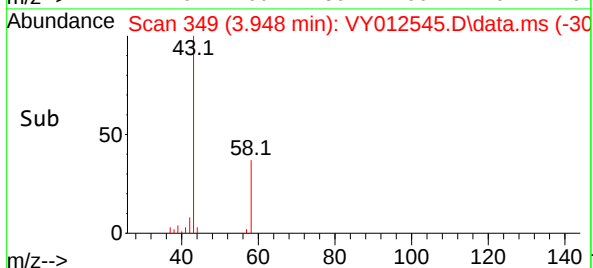
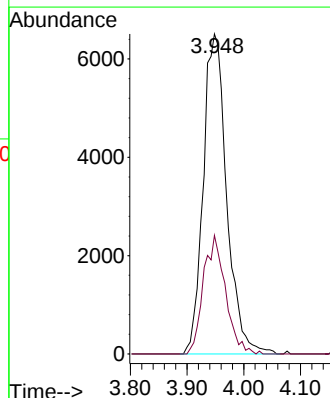
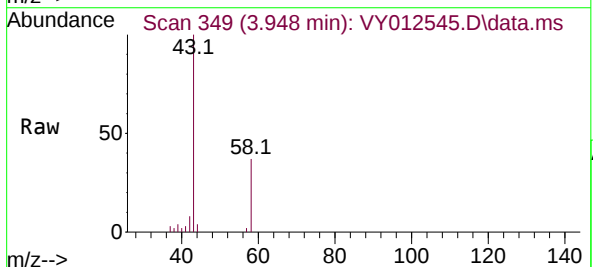
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-16

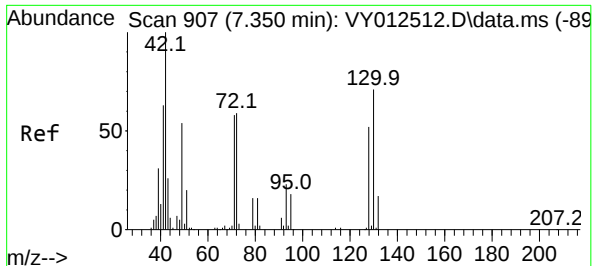
Tgt Ion:168 Resp: 143671
Ion Ratio Lower Upper
168 100
99 55.1 40.8 61.2



#16
Acetone
Concen: 42.670 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 43 Resp: 18763
Ion Ratio Lower Upper
43 100
58 37.1 27.1 40.7





#29

Tetrahydrofuran

Concen: 8.724 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY012545.D

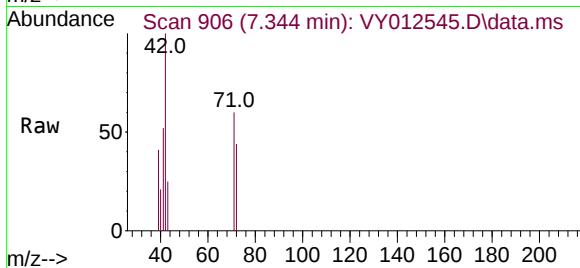
Acq: 08 Feb 2023 16:12

Instrument :

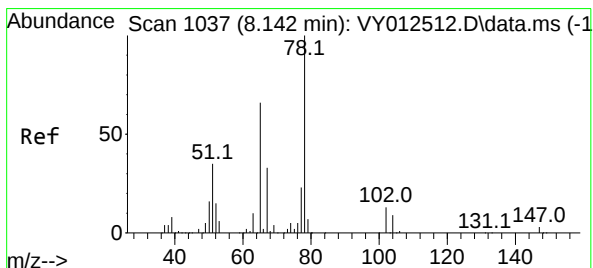
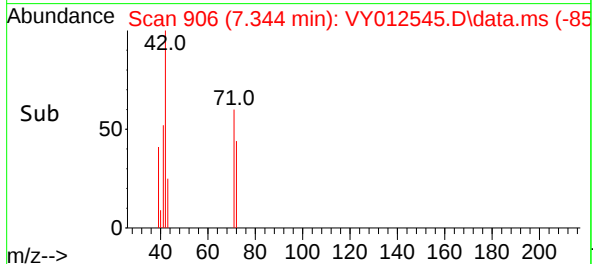
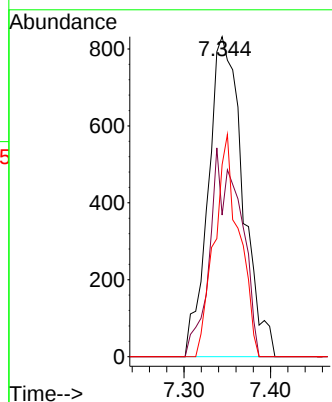
MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-16



Tgt Ion:	42	Resp:	2301
Ion	Ratio	Lower	Upper
42	100		
72	25.9	47.0	70.6#
71	49.7	44.6	66.8



#33

1,2-Dichloroethane-d4

Concen: 46.218 ug/l

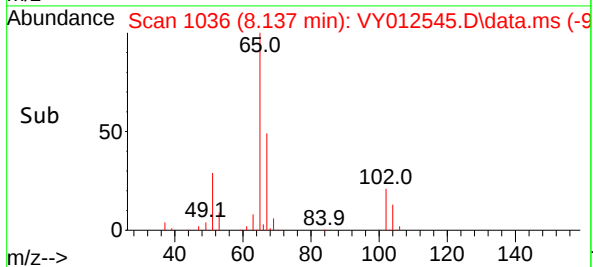
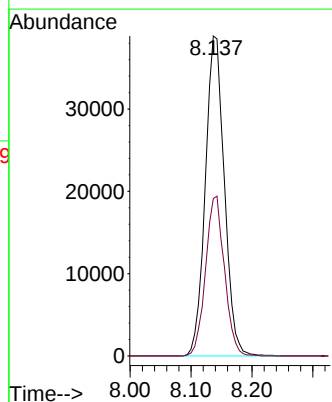
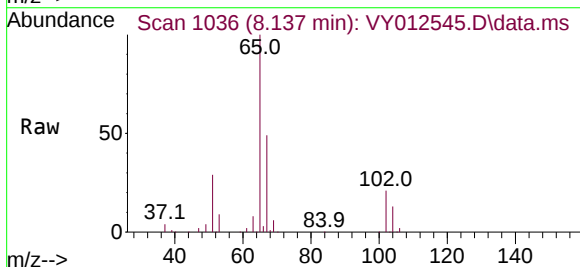
RT: 8.137 min Scan# 1036

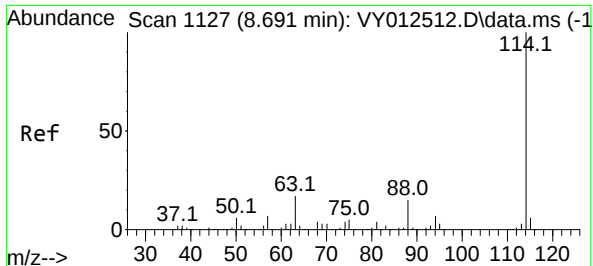
Delta R.T. -0.006 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Tgt Ion:	65	Resp:	84438
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-16

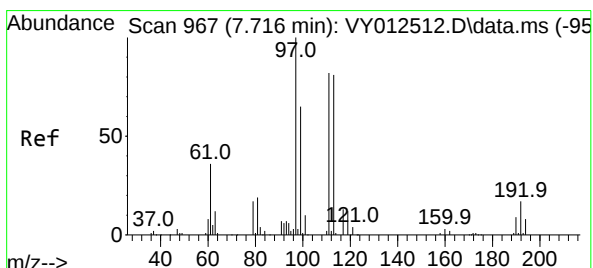
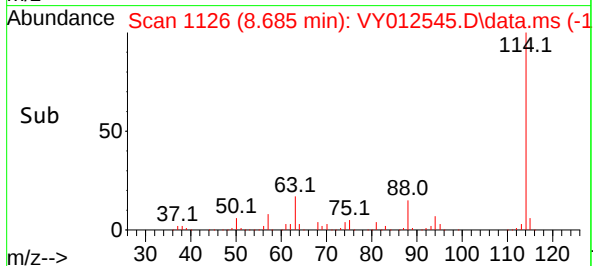
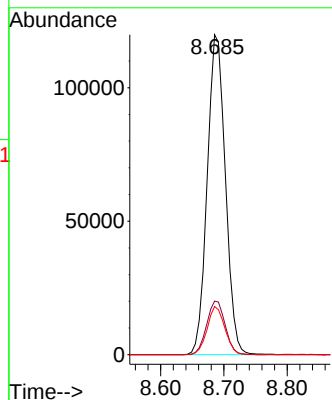
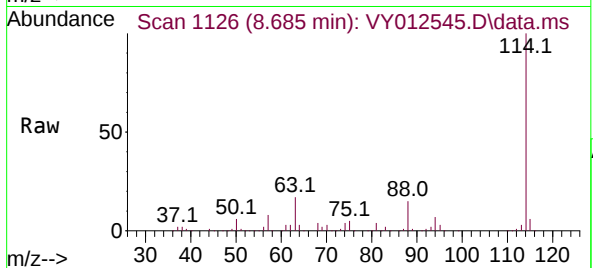
Tgt Ion:114 Resp: 240033

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.761 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

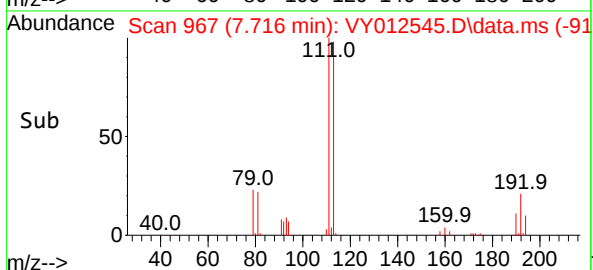
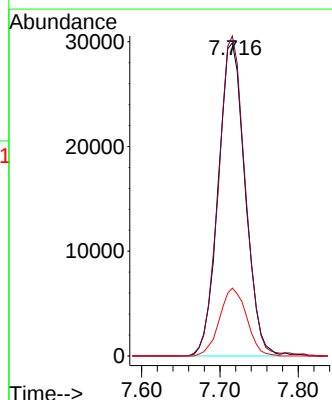
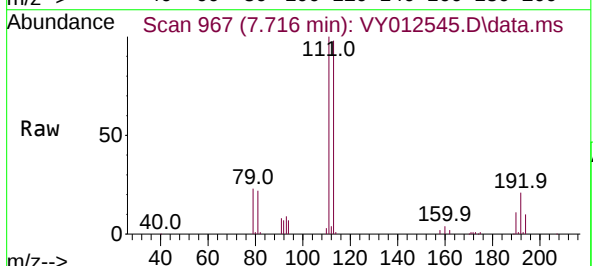
Tgt Ion:113 Resp: 71252

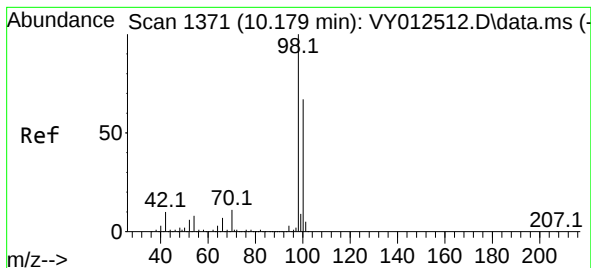
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 21.8 17.5 26.3





#50

Toluene-d8

Concen: 38.679 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

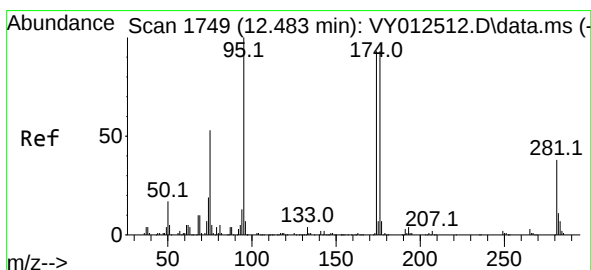
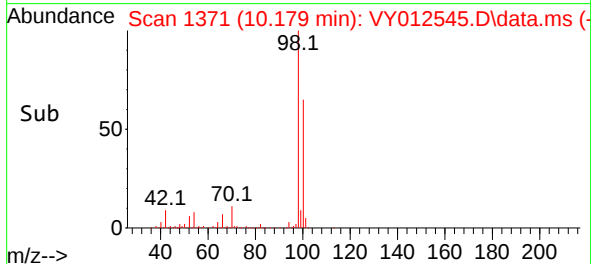
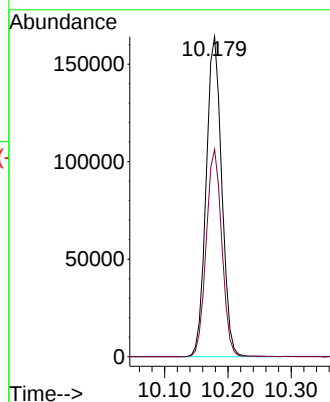
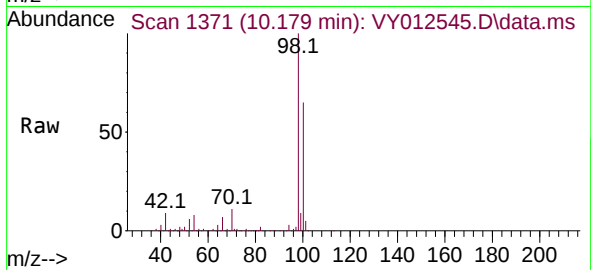
TOT-VOC-GRAB-16

Tgt Ion: 98 Resp: 281429

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 36.334 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

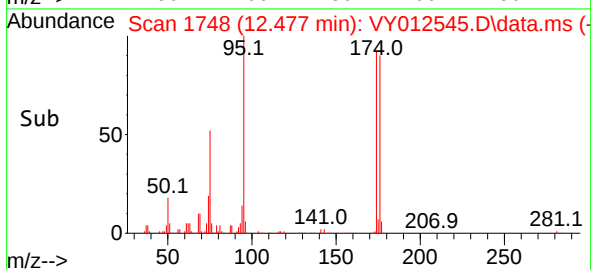
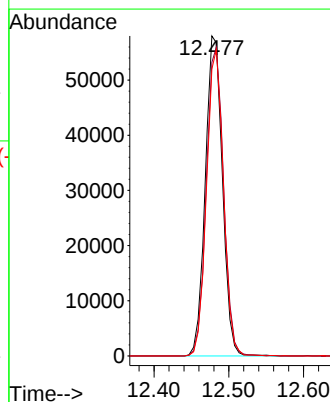
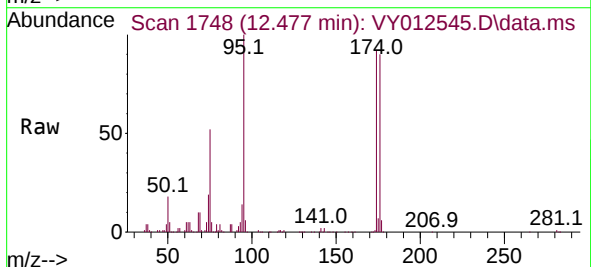
Tgt Ion: 95 Resp: 92211

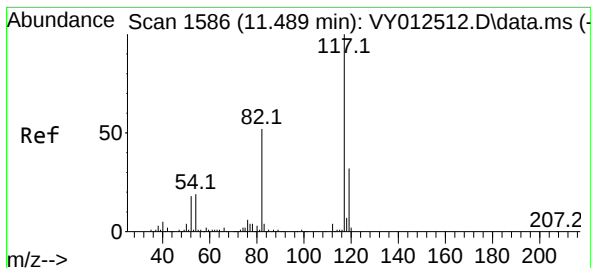
Ion Ratio Lower Upper

95 100

174 97.2 0.0 188.0

176 94.4 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-16

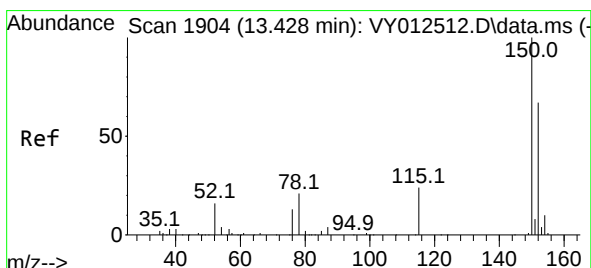
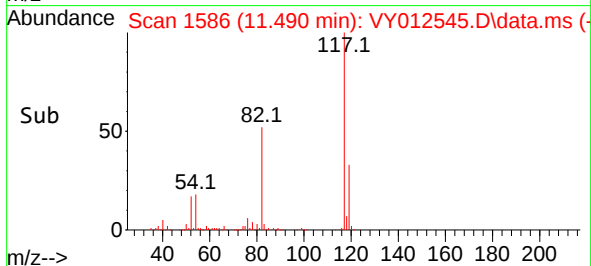
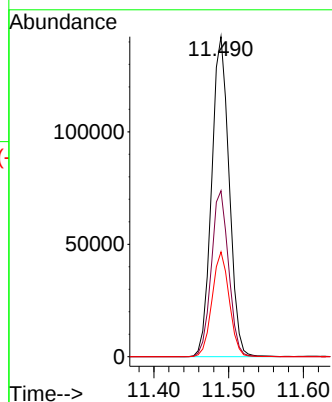
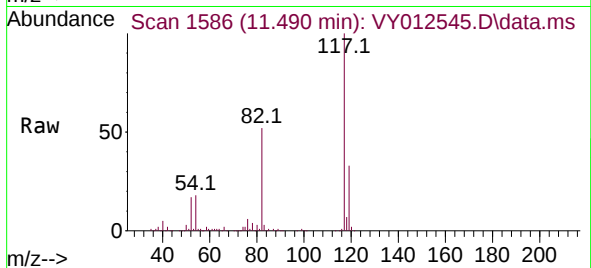
Tgt Ion:117 Resp: 231396

Ion Ratio Lower Upper

117 100

82 51.8 41.7 62.5

119 32.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Tgt Ion:152 Resp: 109186

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.3

150 154.7 0.0 351.0

