

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014256.D
 Acq On : 20 Jun 2023 03:28
 Operator : KP/MD
 Sample : 03327-12
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-02-GRAB-7

Quant Time: Jun 20 05:47:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

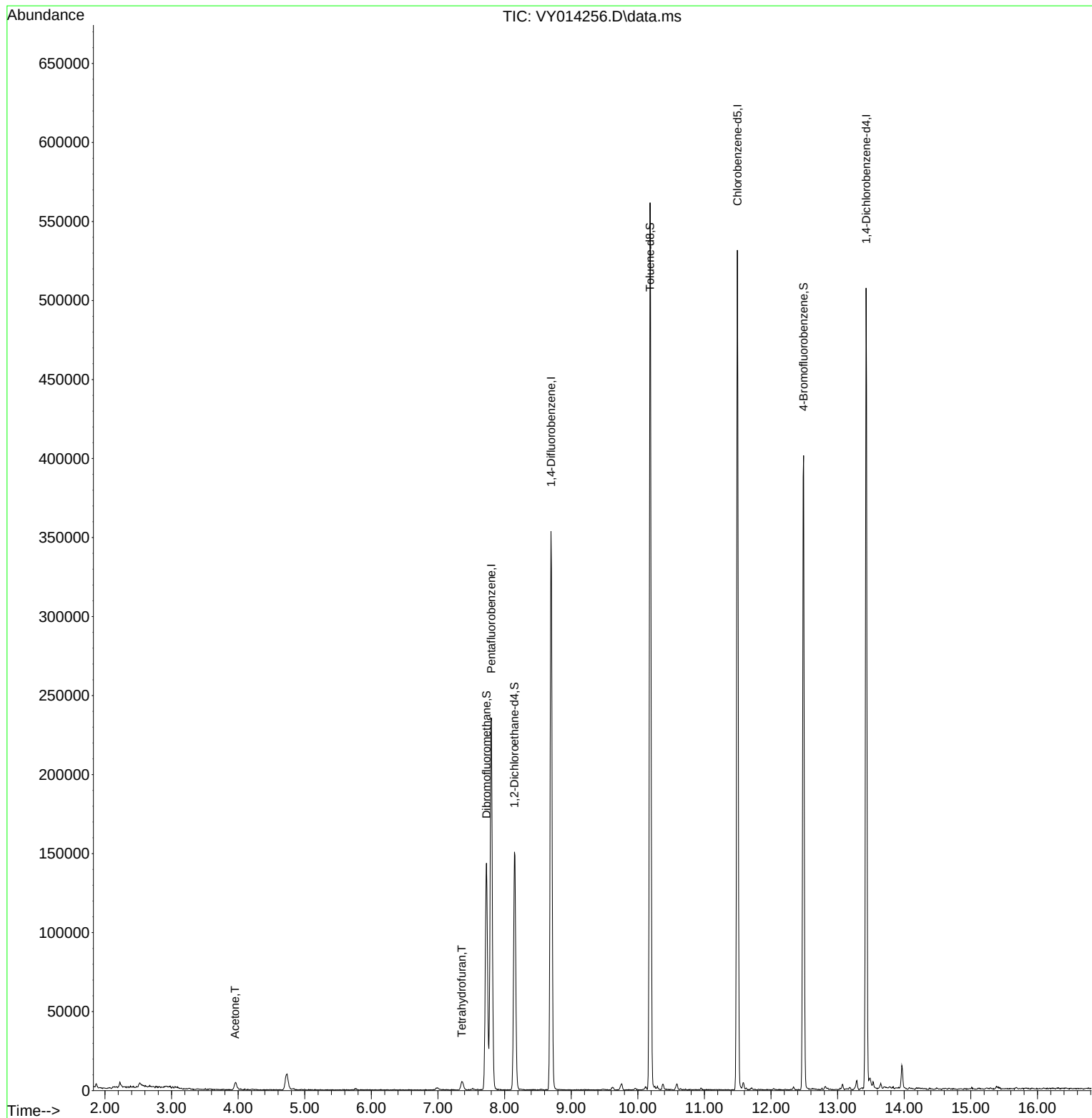
Internal Standards						
1) Pentafluorobenzene	7.801	168	183179	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	292885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	275185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	127354	49.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.728	113	97368	46.877	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.760%
50) Toluene-d8	10.185	98	350947	45.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.380%
62) 4-Bromofluorobenzene	12.489	95	112028	40.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.220%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	8296	10.790	ug/l	100
29) Tetrahydrofuran	7.356	42	4271	7.116	ug/l	96

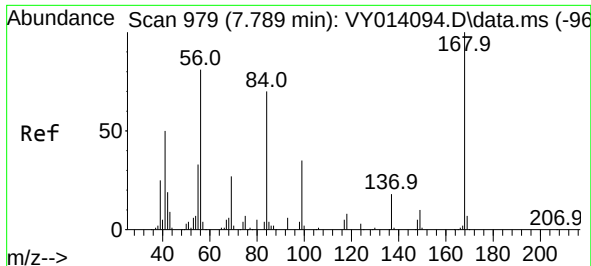
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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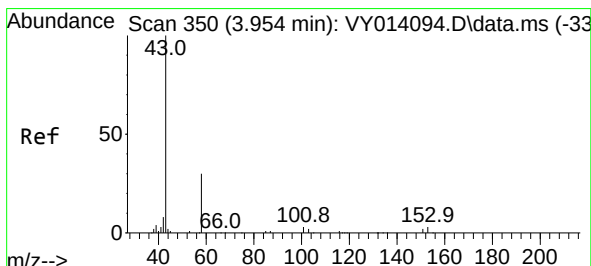
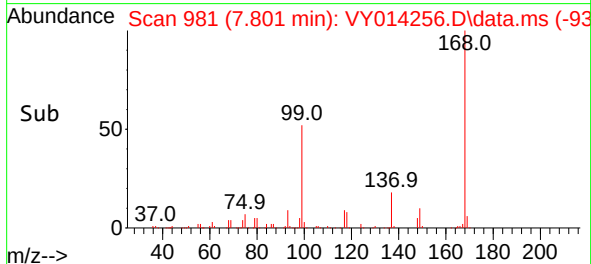
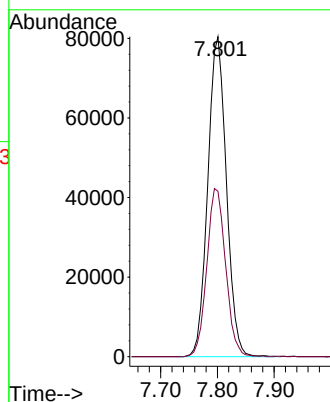
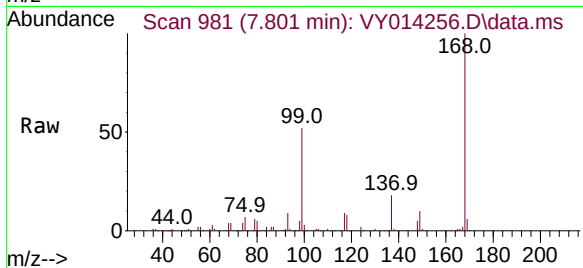




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

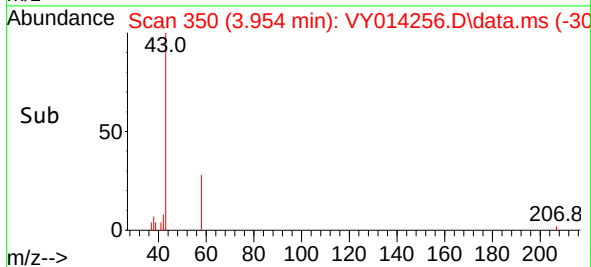
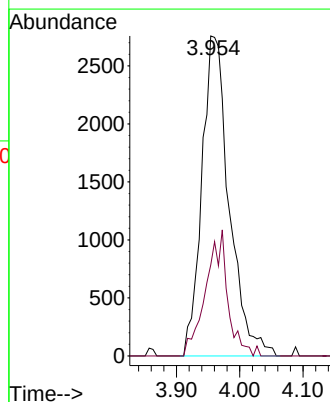
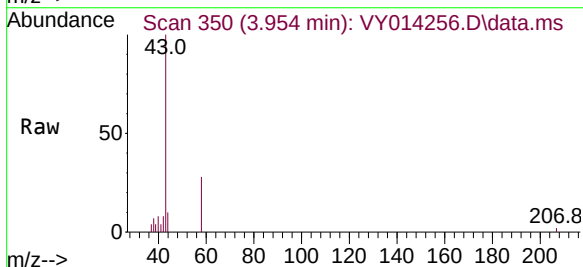
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

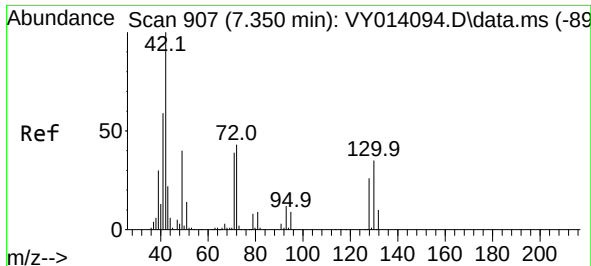
Tgt Ion:168 Resp: 183179
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#16
Acetone
Concen: 10.790 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 43 Resp: 8296
Ion Ratio Lower Upper
43 100
58 28.5 22.7 34.1





#29

Tetrahydrofuran

Concen: 7.116 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014256.D

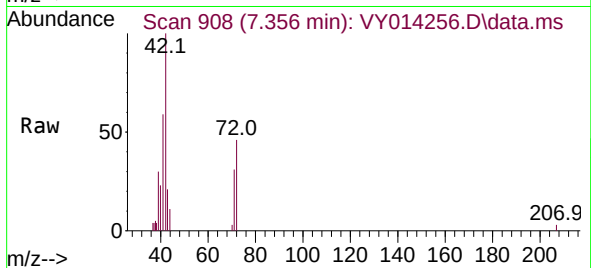
Acq: 20 Jun 2023 03:28

Instrument :

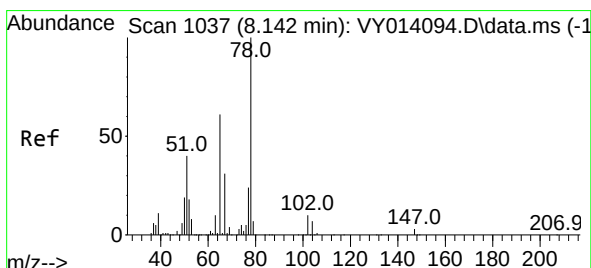
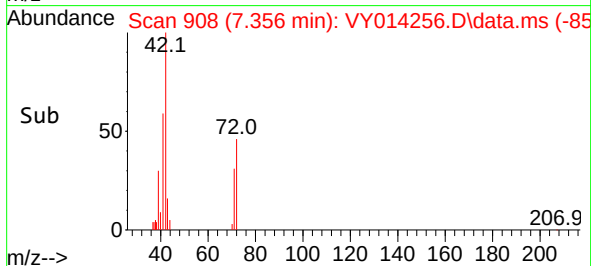
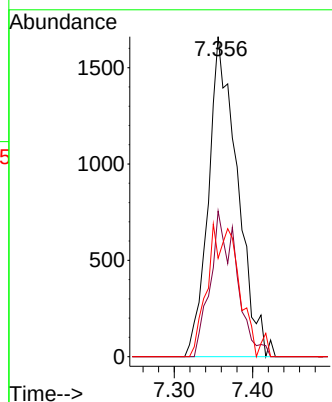
MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7



Tgt Ion:	42	Resp:	4271
Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.8	49.2
71	43.5	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 49.927 ug/l

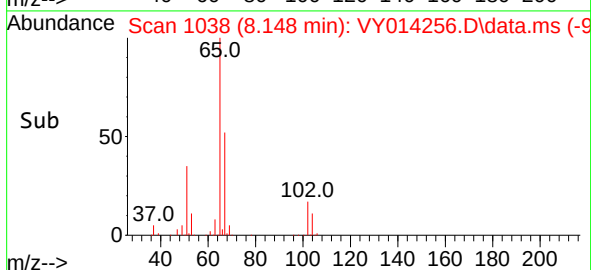
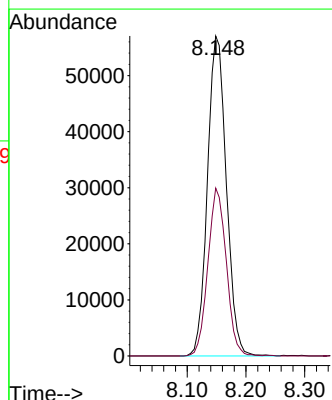
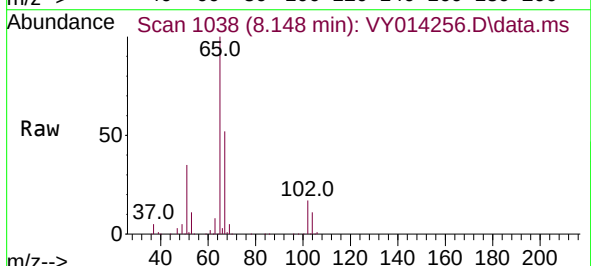
RT: 8.148 min Scan# 1038

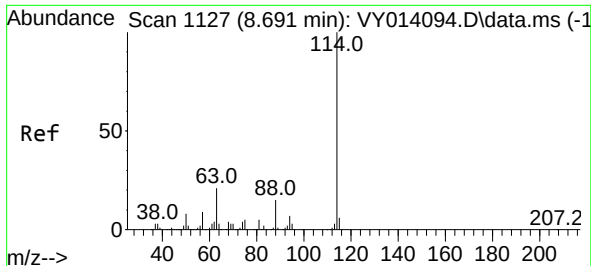
Delta R.T. 0.006 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Tgt Ion:	65	Resp:	127354
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7

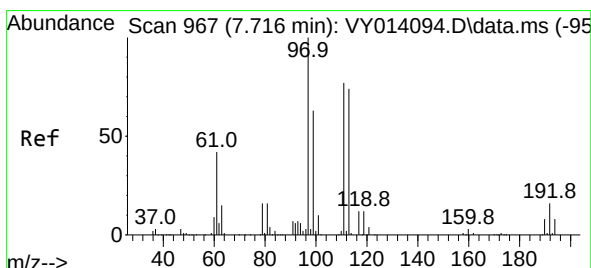
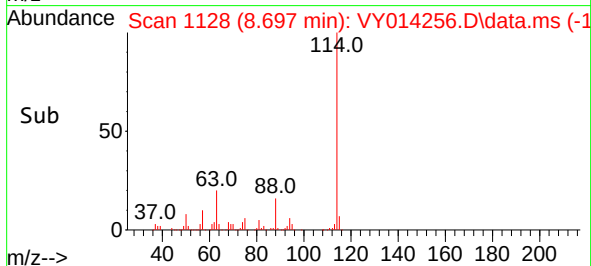
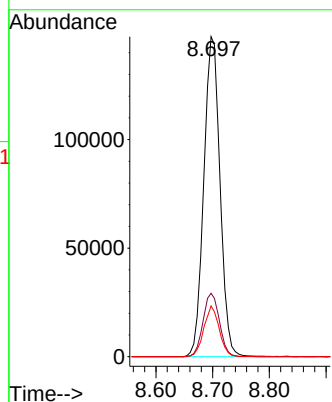
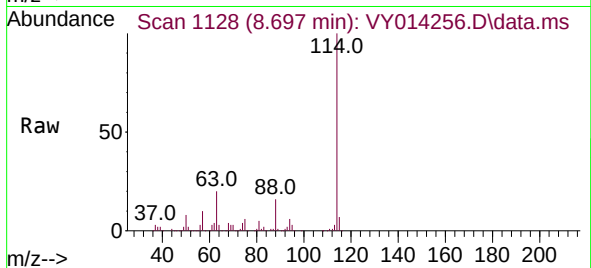
Tgt Ion:114 Resp: 292885

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.877 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

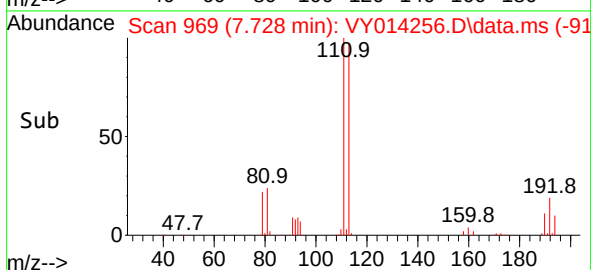
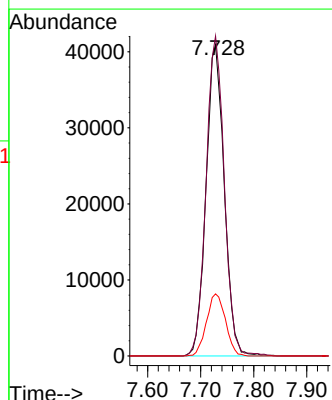
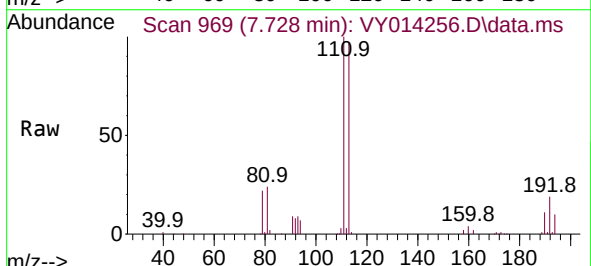
Tgt Ion:113 Resp: 97368

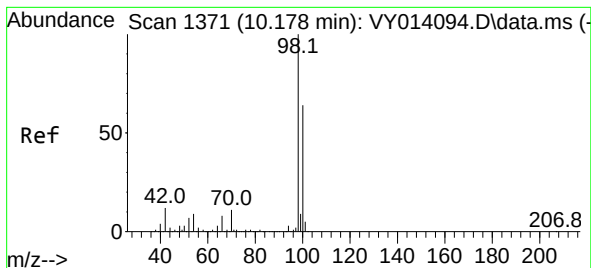
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.8 16.9 25.3





#50

Toluene-d8

Concen: 45.194 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Instrument :

MSVOA_Y

ClientSampleId :

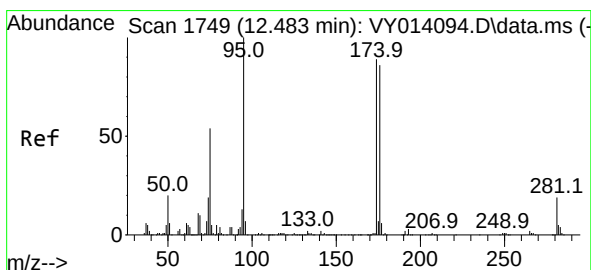
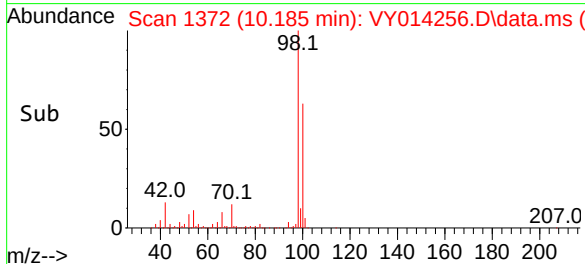
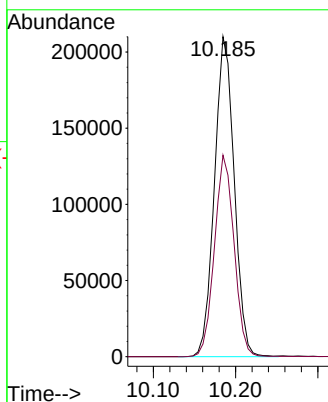
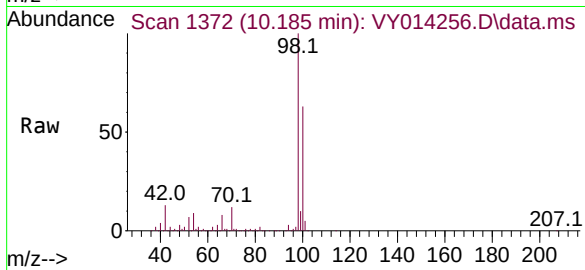
TOTAL-VOC-TW-02-GRAB-7

Tgt Ion: 98 Resp: 350947

Ion Ratio Lower Upper

98 100

100 62.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 40.612 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

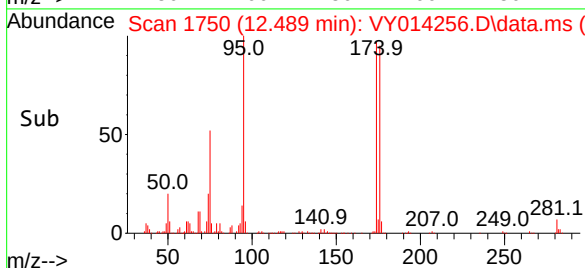
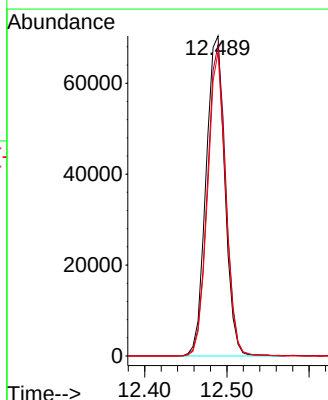
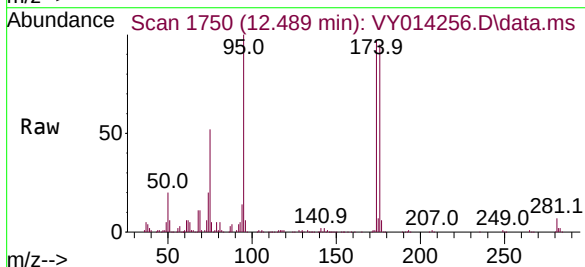
Tgt Ion: 95 Resp: 112028

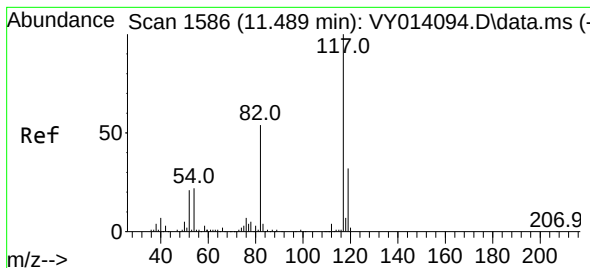
Ion Ratio Lower Upper

95 100

174 95.5 0.0 178.2

176 91.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7

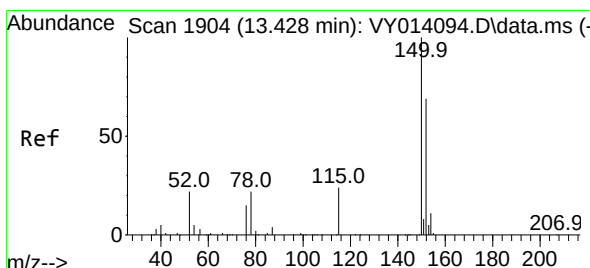
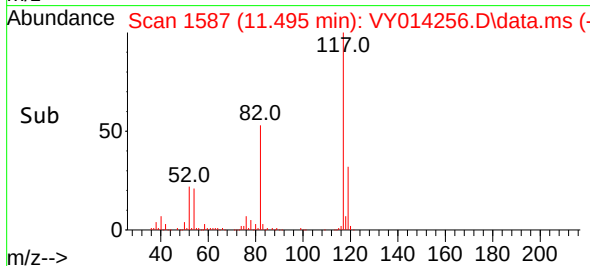
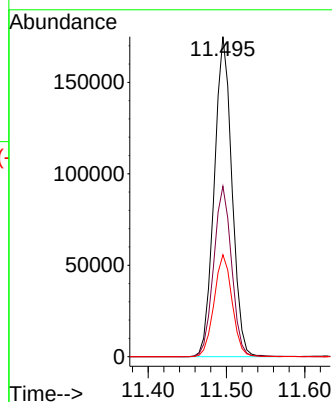
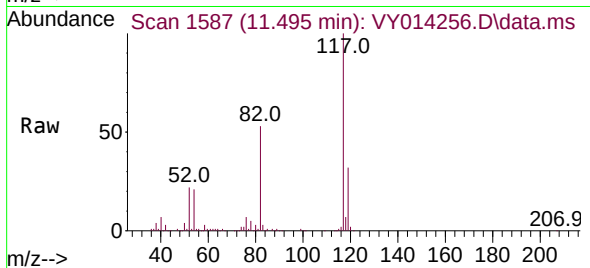
Tgt Ion:117 Resp: 275185

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Tgt Ion:152 Resp: 129687

Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.5

150 155.6 0.0 348.8

