

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014287.D
 Acq On : 20 Jun 2023 16:43
 Operator : KP/MD
 Sample : 03296-24
 Misc : 6.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-7

Quant Time: Jun 21 02:08:39 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)

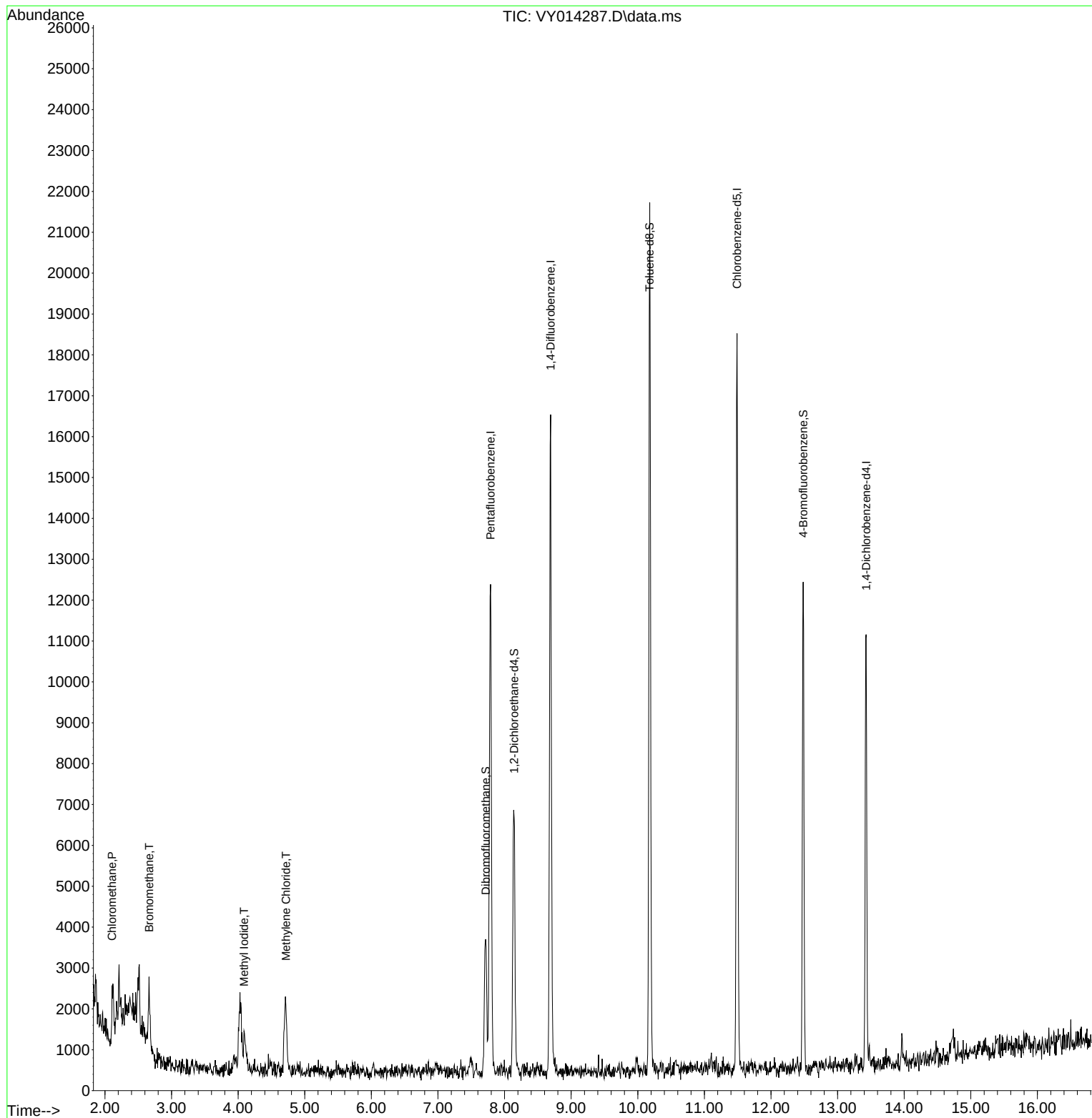
Internal Standards						
1) Pentafluorobenzene	7.789	168	9576	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	13048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5469	41.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.020%
35) Dibromofluoromethane	7.716	113	2504	27.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.120%
50) Toluene-d8	10.179	98	14810	42.810	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.620%
62) 4-Bromofluorobenzene	12.483	95	3542	28.823	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.640%
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	794	5.868	ug/l	96
5) Bromomethane	2.662	94	922	8.494	ug/l	85
10) Methyl Iodide	4.088	142	1687	11.844	ug/l #	87
20) Methylene Chloride	4.716	84	1187	6.102	ug/l #	95

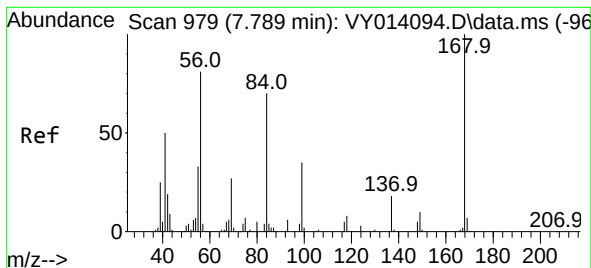
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY014287.D

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Instrument :

MSVOA_Y

ClientSampleId :

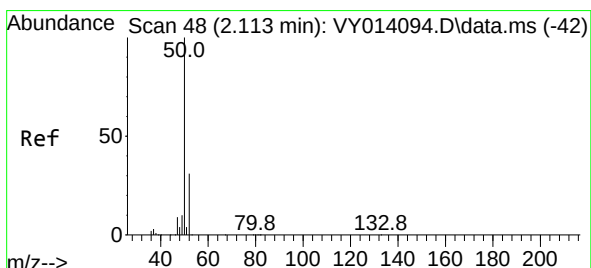
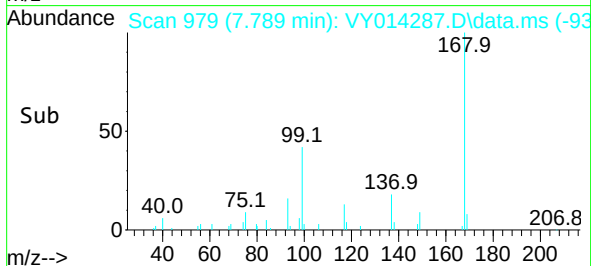
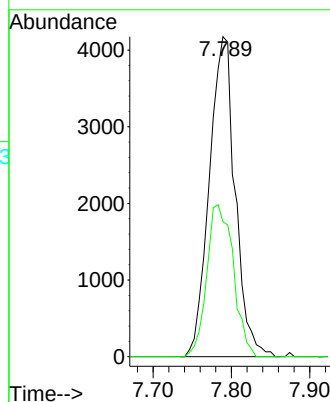
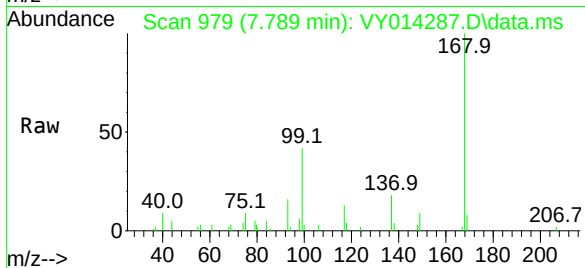
TOTAL-VOC-TW-07-GRAB-7

Tgt Ion:168 Resp: 9576

Ion Ratio Lower Upper

168 100

99 42.1 43.4 65.0#



#3

Chloromethane

Concen: 5.868 ug/l

RT: 2.107 min Scan# 47

Delta R.T. -0.006 min

Lab File: VY014287.D

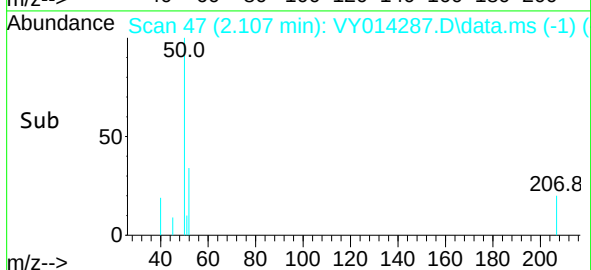
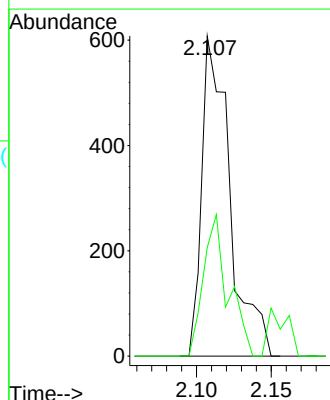
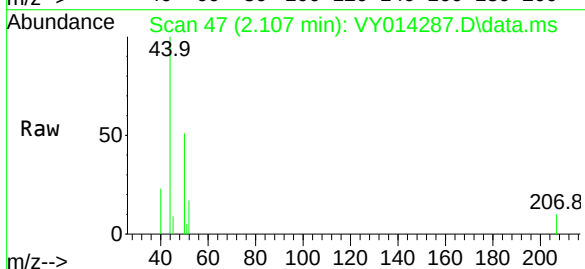
Acq: 20 Jun 2023 16:43

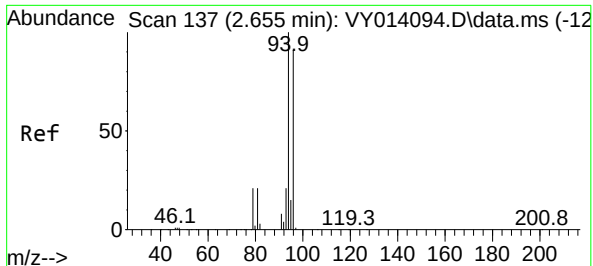
Tgt Ion: 50 Resp: 794

Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.2

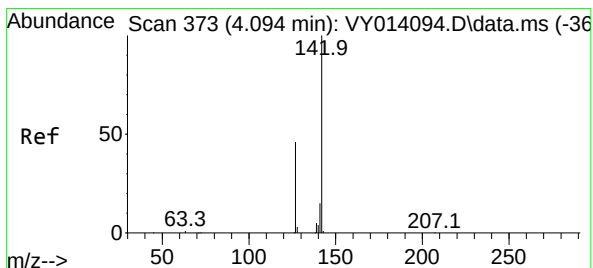
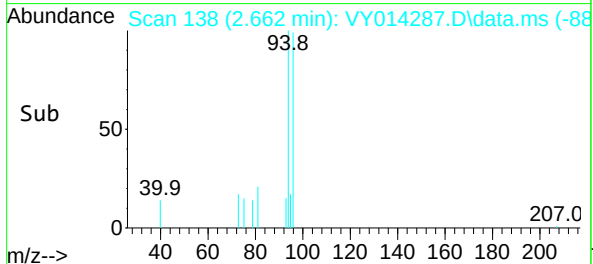
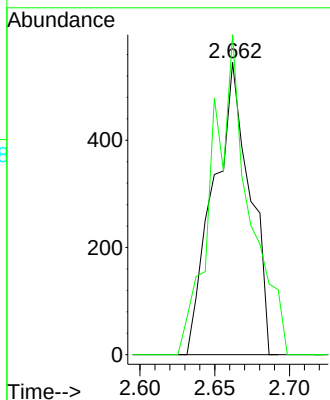
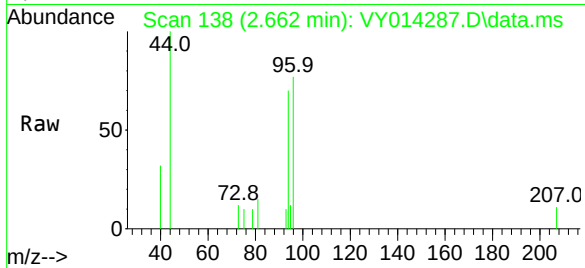




#5
Bromomethane
Concen: 8.494 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

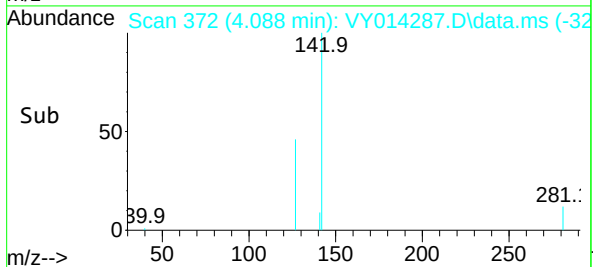
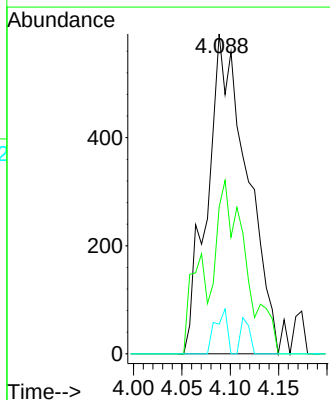
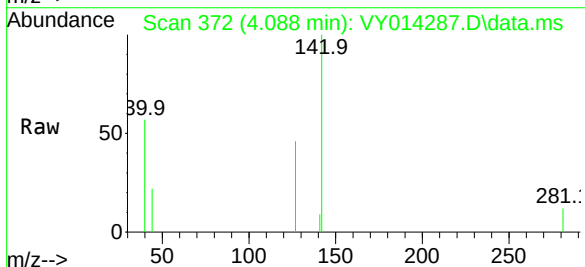
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

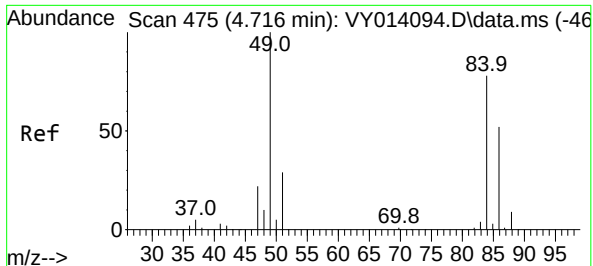
Tgt Ion: 94 Resp: 922
Ion Ratio Lower Upper
94 100
96 109.5 75.8 113.6



#10
Methyl Iodide
Concen: 11.844 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.006 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

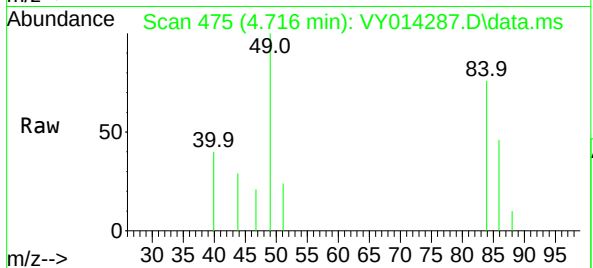
Tgt Ion:142 Resp: 1687
Ion Ratio Lower Upper
142 100
127 40.7 37.6 56.4
141 4.3 11.8 17.8#



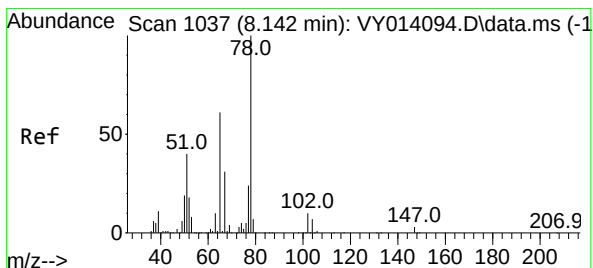
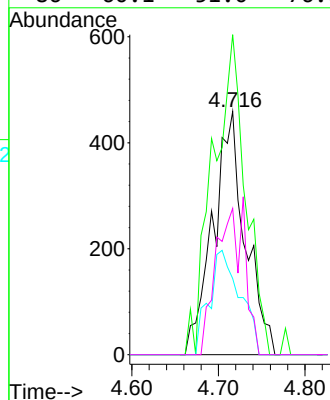


#20
Methylene Chloride
Concen: 6.102 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

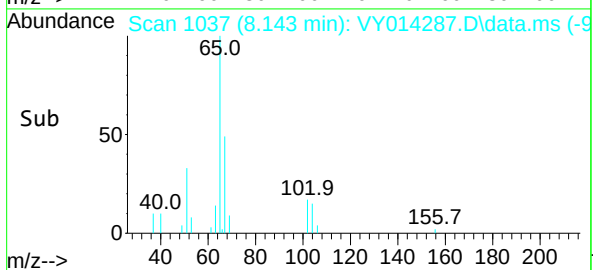
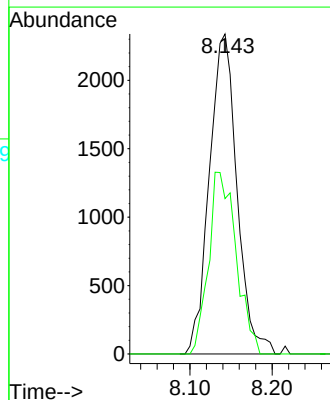
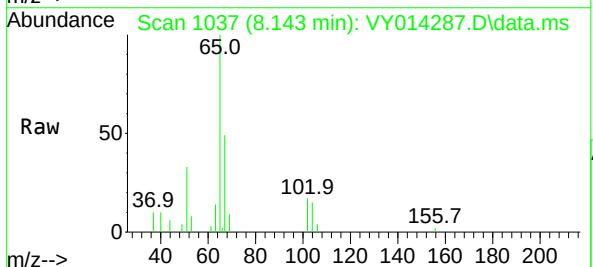


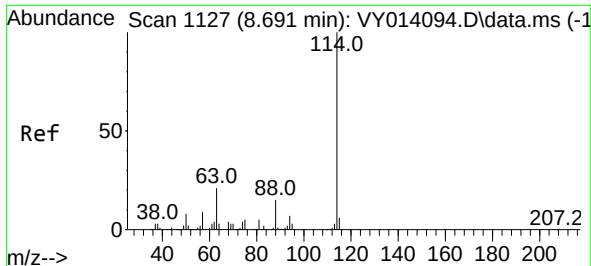
Tgt Ion: 84	Resp: 1187
Ion Ratio	Lower Upper
84	100
49	131.6 106.9 160.3
51	31.4 33.2 49.8#
86	60.1 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 41.013 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 65	Resp: 5469
Ion Ratio	Lower Upper
65	100
67	56.6 0.0 101.8

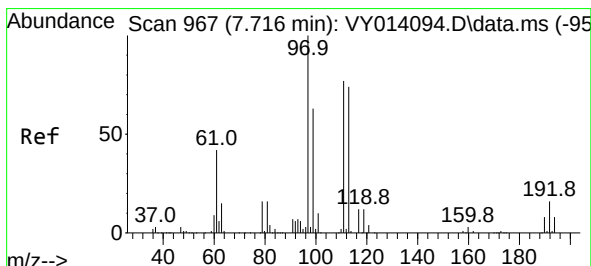
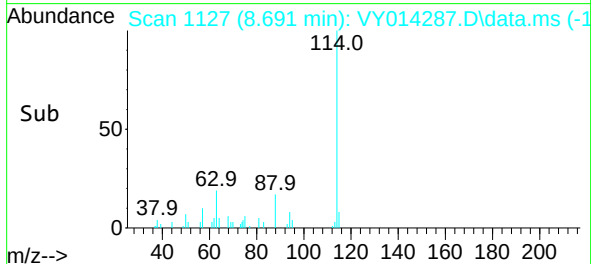
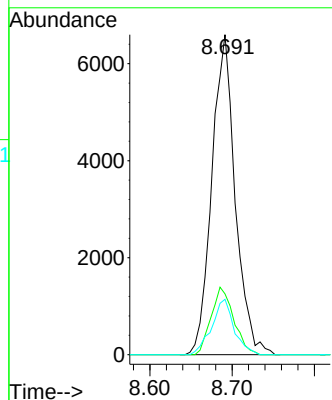
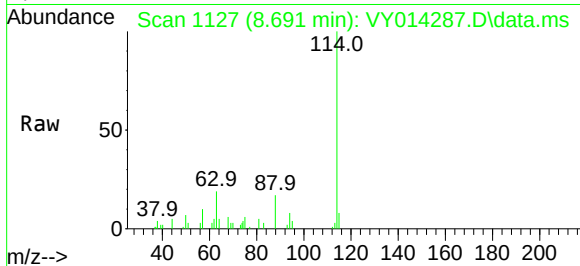




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

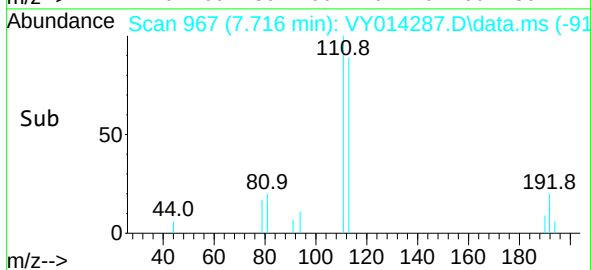
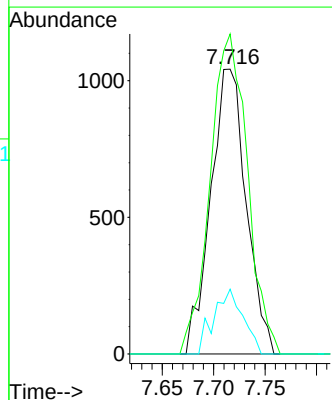
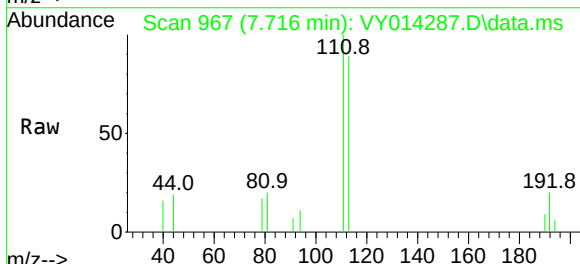
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

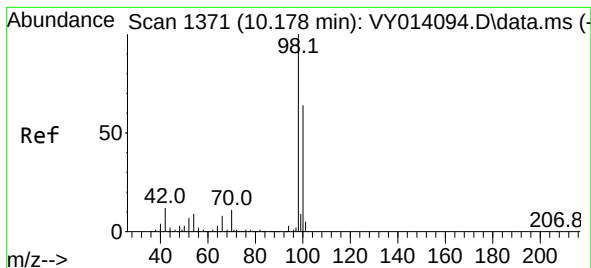
Tgt Ion:	114	Resp:	13048
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.4
88	17.3	0.0	30.6



#35
Dibromofluoromethane
Concen: 27.060 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion:	113	Resp:	2504
Ion	Ratio	Lower	Upper
113	100		
111	118.0	81.3	121.9
192	18.8	16.9	25.3





#50

Toluene-d8

Concen: 42.810 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

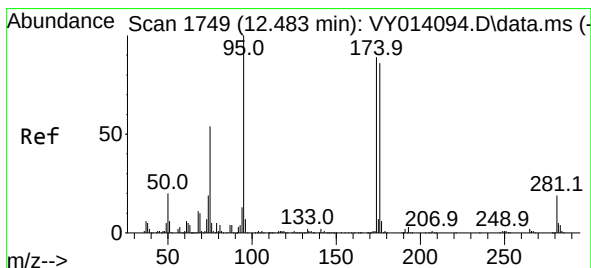
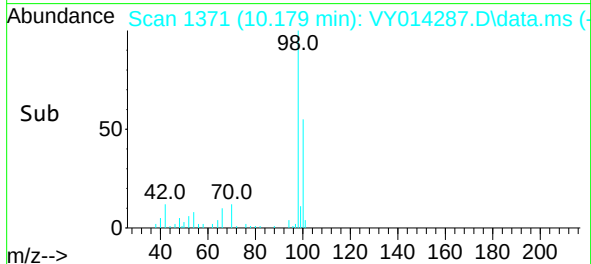
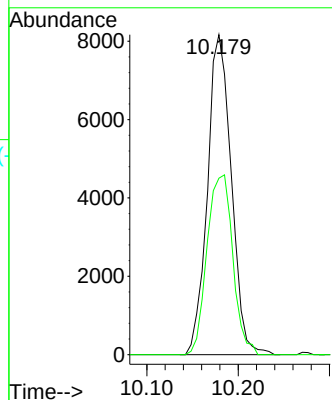
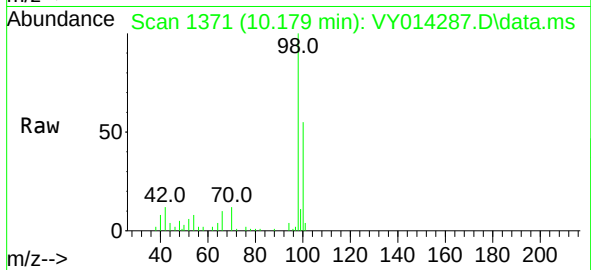
TOTAL-VOC-TW-07-GRAB-7

Tgt Ion: 98 Resp: 14810

Ion Ratio Lower Upper

98 100

100 60.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 28.823 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

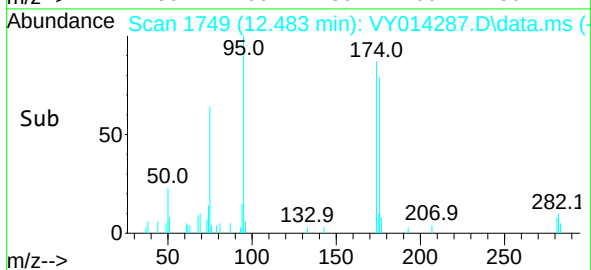
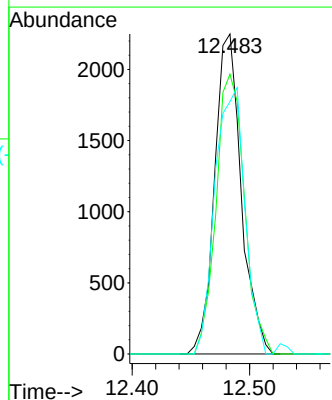
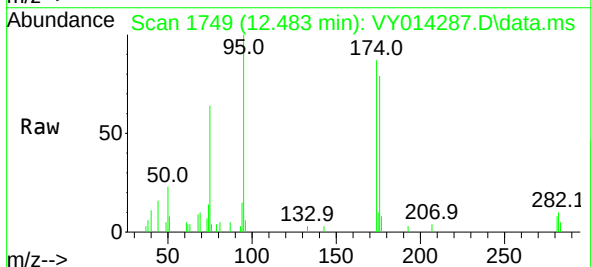
Tgt Ion: 95 Resp: 3542

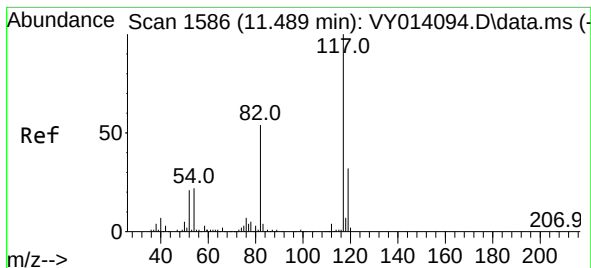
Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.2

176 93.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-7

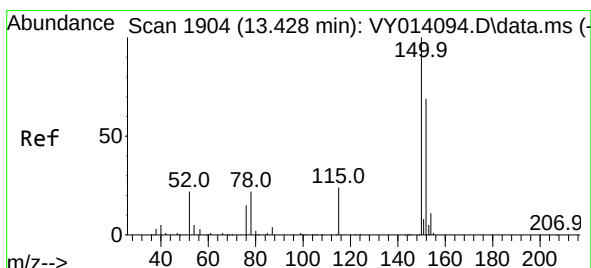
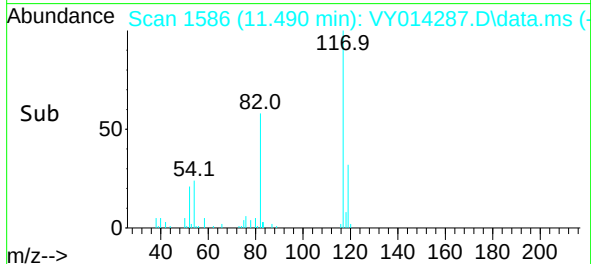
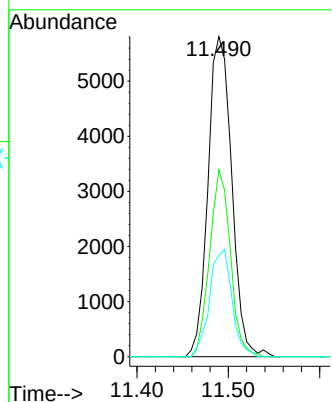
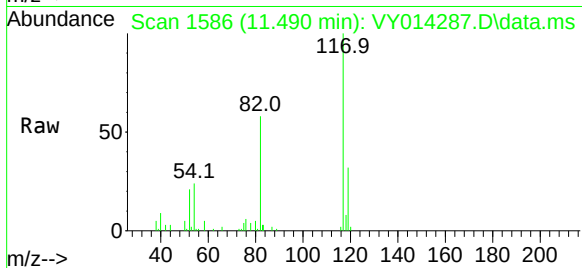
Tgt Ion:117 Resp: 10465

Ion Ratio Lower Upper

117 100

82 58.5 43.4 65.0

119 31.6 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: VY014287.D

Acq: 20 Jun 2023 16:43

Tgt Ion:152 Resp: 3187

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 152.5 0.0 348.8

