

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014168.D
 Acq On : 14 Jun 2023 20:57
 Operator : KP/MD
 Sample : 03223-18
 Misc : 9.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-11-GRAB-7

Quant Time: Jun 15 01:47:39 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)

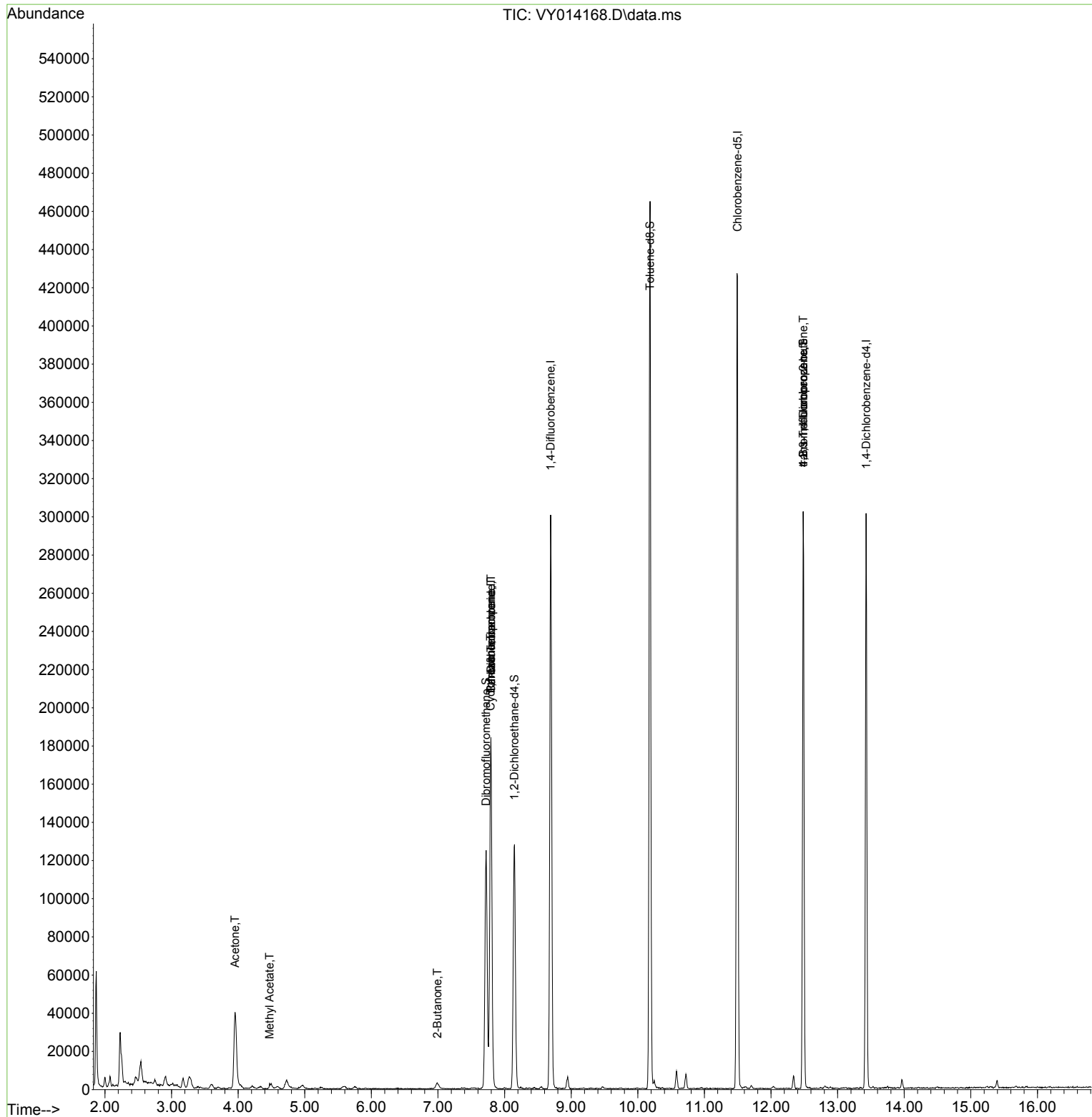
Internal Standards						
1) Pentafluorobenzene	7.795	168	141739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	233590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	107533	54.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.960%	
35) Dibromofluoromethane	7.722	113	84756	48.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.040%	
50) Toluene-d8	10.185	98	300438	45.532	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.060%	
62) 4-Bromofluorobenzene	12.483	95	84767	36.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	3386	Below Cal	#	91
13) Acrolein	3.613	56	22	Below Cal	#	1
16) Acetone	3.954	43	71937	120.914	ug/l	97
18) Methyl Acetate	4.472	43	5307	2.298	ug/l #	54
20) Methylene Chloride	4.728	84	3104	Below Cal	#	92
25) 2-Butanone	6.990	43	1307	1.785	ug/l #	78
31) Cyclohexane	7.789	56	3489	1.320	ug/l #	22
36) 1,1-Dichloropropene	7.795	75	10823	3.933	ug/l #	51
38) Carbon Tetrachloride	7.795	117	13716	4.320	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	45955	46.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45955	100.386	ug/l #	11

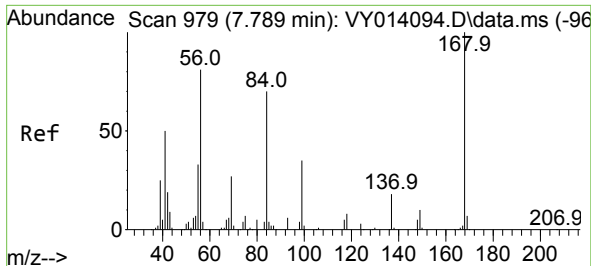
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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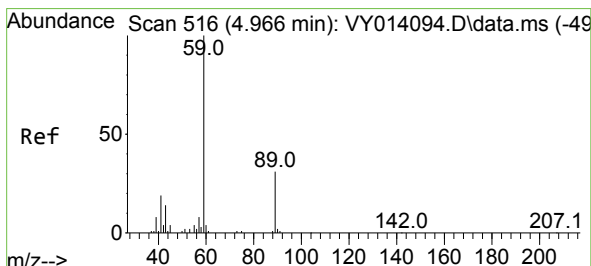
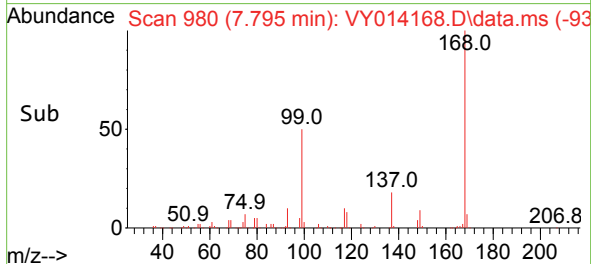
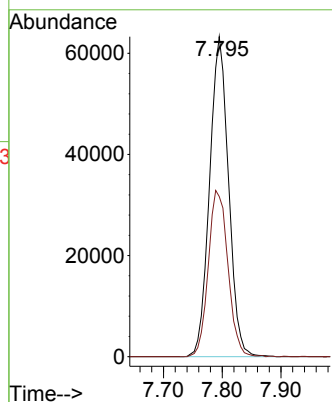
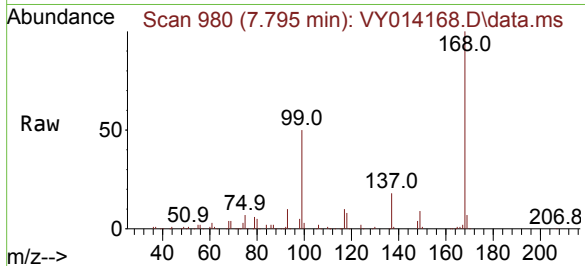




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

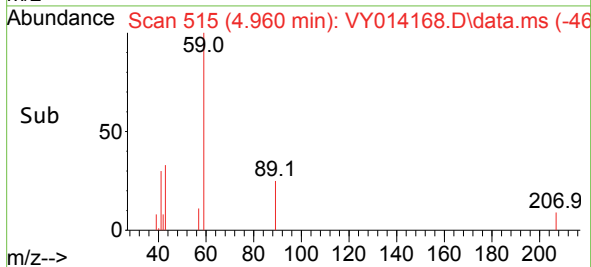
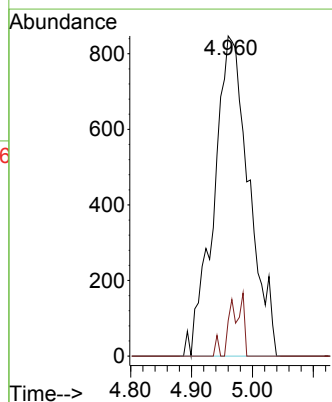
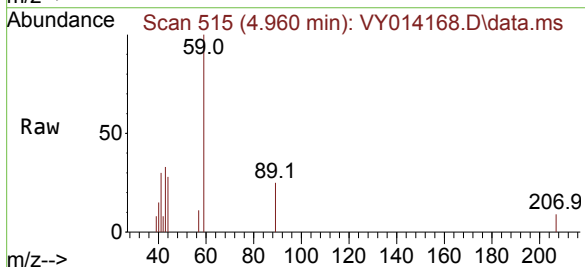
Instrument :
MSVOA_Y
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TOTAL-VOC-SB-11-GRAB-7

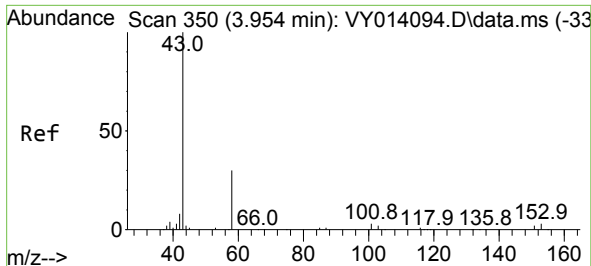
Tgt Ion:168 Resp: 141739
Ion Ratio Lower Upper
168 100
99 50.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion: 59 Resp: 3386
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.4#





#16

Acetone

Concen: 120.914 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY014168.D

Acq: 14 Jun 2023 20:57

Instrument :

MSVOA_Y

ClientSampleId :

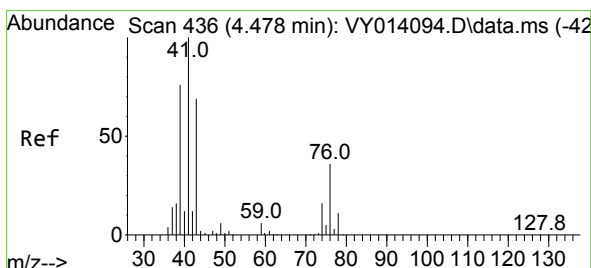
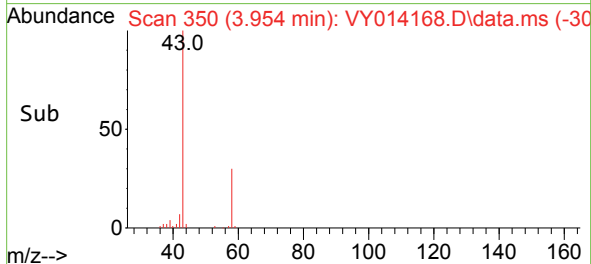
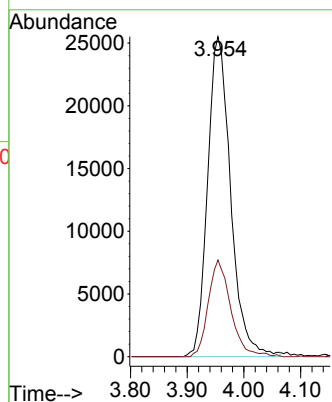
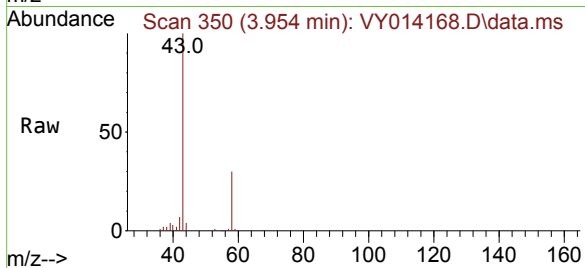
TOTAL-VOC-SB-11-GRAB-7

Tgt Ion: 43 Resp: 71937

Ion Ratio Lower Upper

43 100

58 30.2 22.7 34.1



#18

Methyl Acetate

Concen: 2.298 ug/l

RT: 4.472 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY014168.D

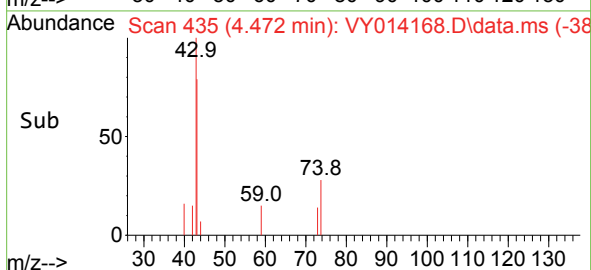
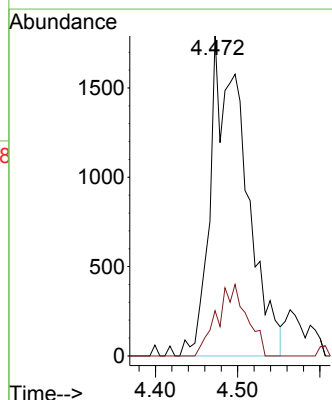
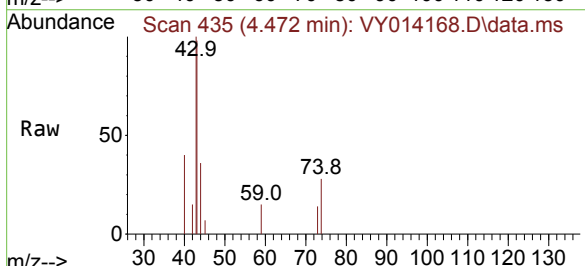
Acq: 14 Jun 2023 20:57

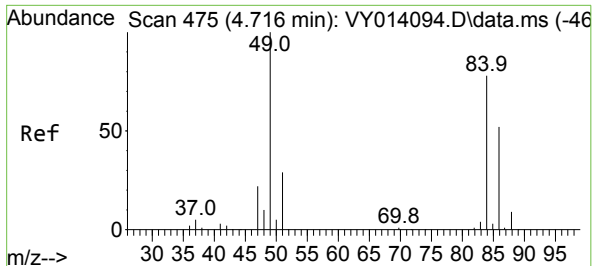
Tgt Ion: 43 Resp: 5307

Ion Ratio Lower Upper

43 100

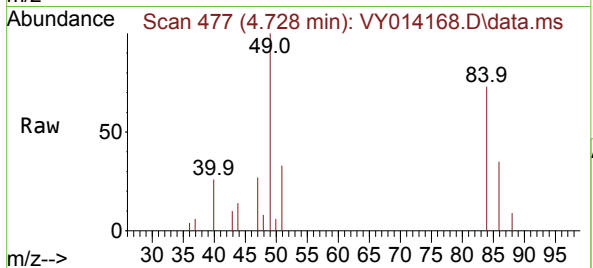
74 0.0 17.4 26.0#



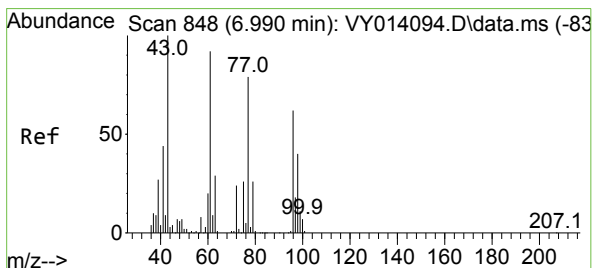
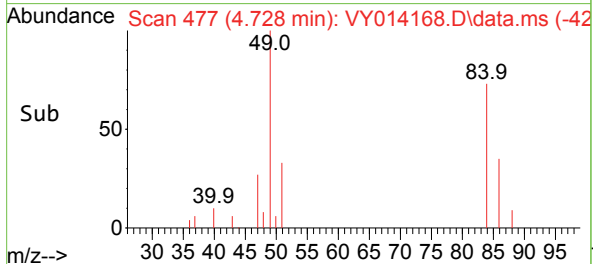
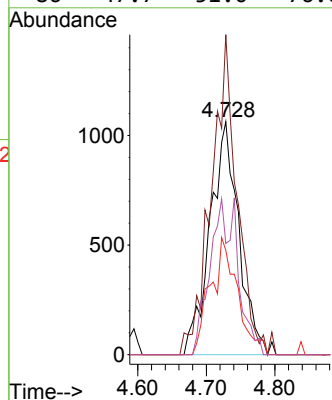


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

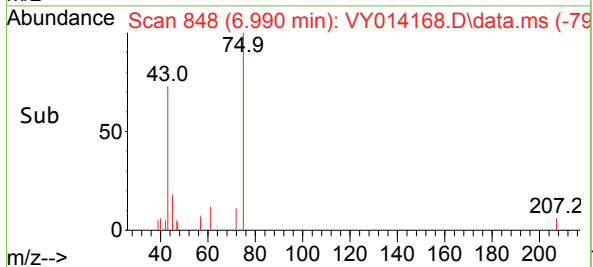
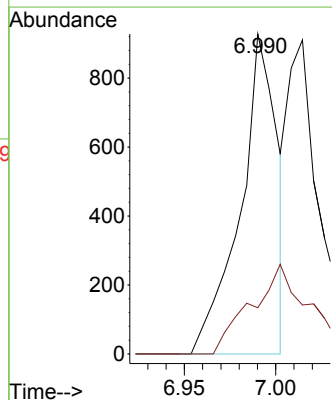
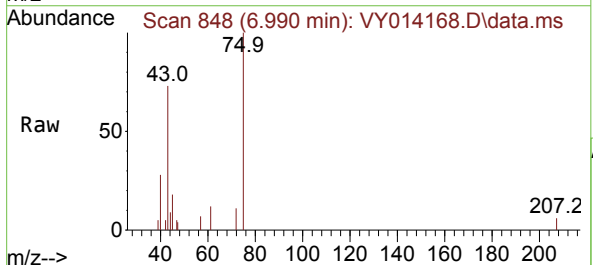


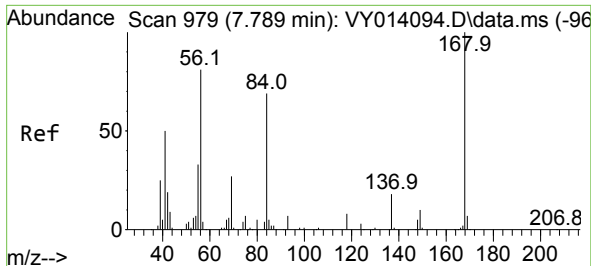
Tgt Ion: 84 Resp: 3104
Ion Ratio Lower Upper
84 100
49 137.3 106.9 160.3
51 44.8 33.2 49.8
86 47.7 51.0 76.6#



#25
2-Butanone
Concen: 1.785 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
72 14.4 20.5 30.7#

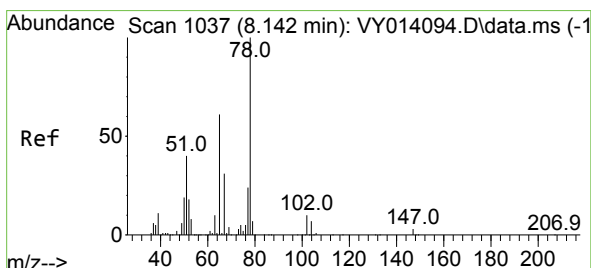
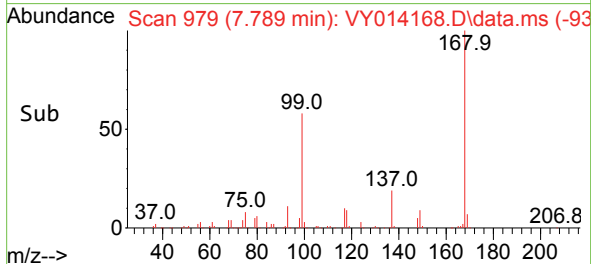
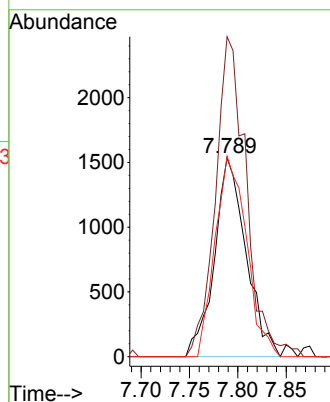
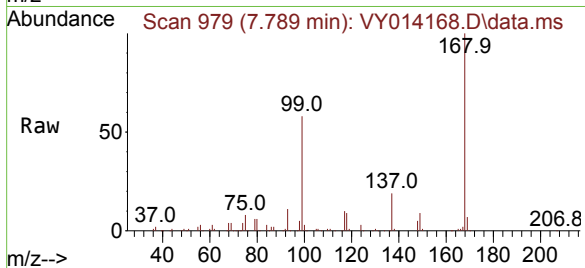




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

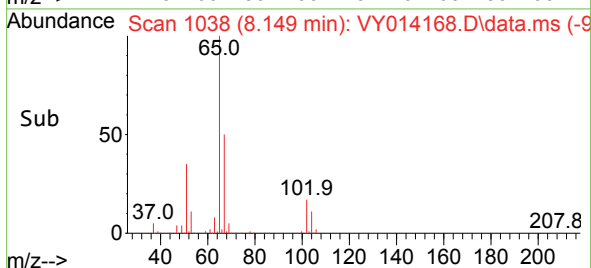
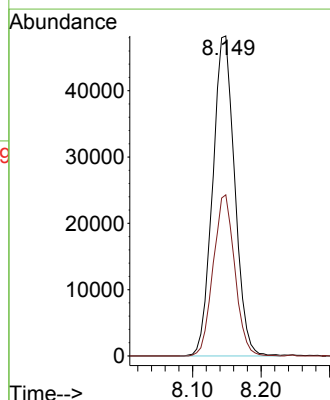
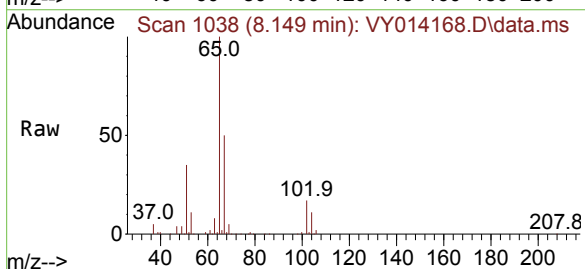
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

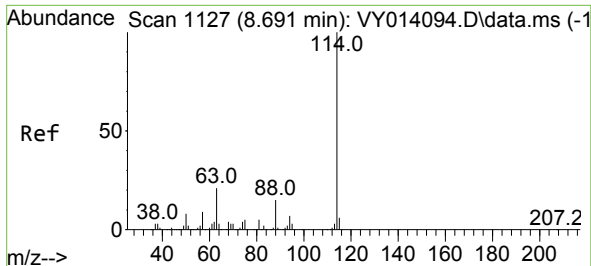
Tgt Ion: 56 Resp: 3489
Ion Ratio Lower Upper
56 100
69 161.0 27.8 41.6#
84 100.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.482 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion: 65 Resp: 107533
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8

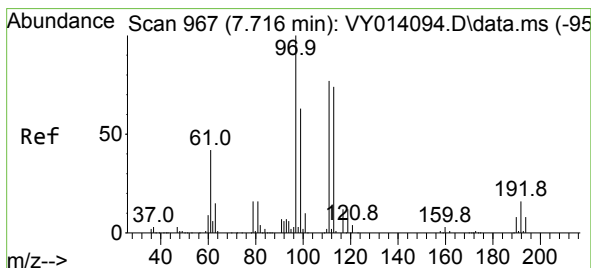
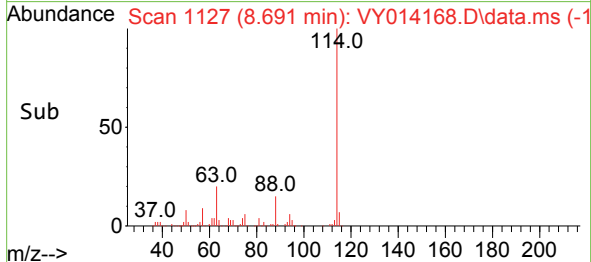
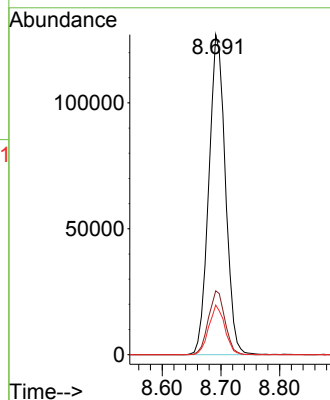
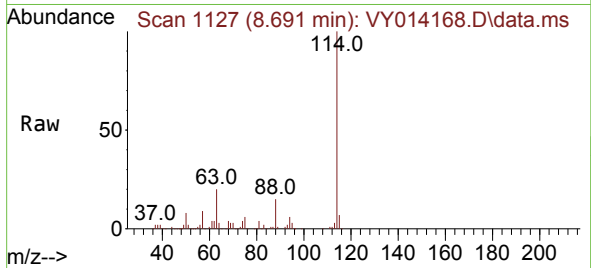




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

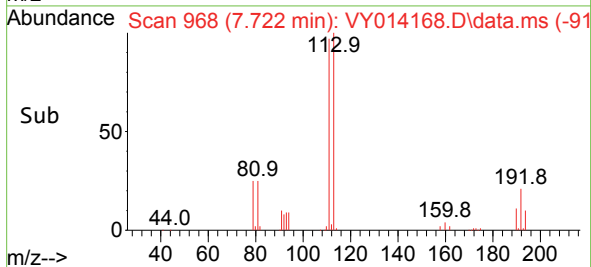
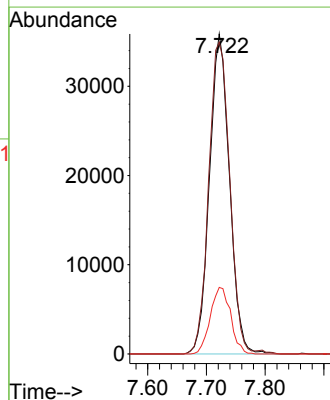
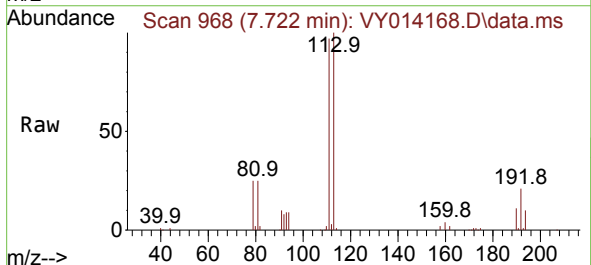
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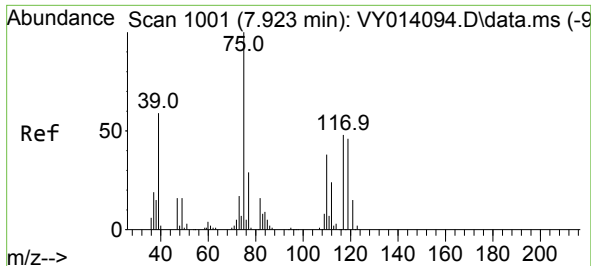
Tgt Ion:	114	Resp:	248871
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	15.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.022 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion:	113	Resp:	84756
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.3	121.9
192	21.1	16.9	25.3

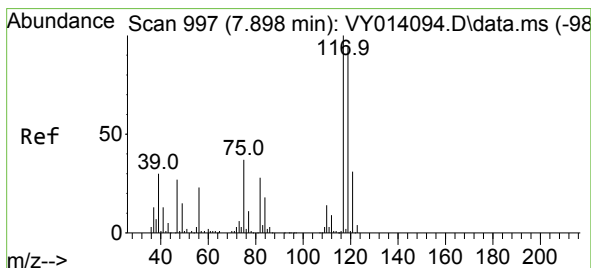
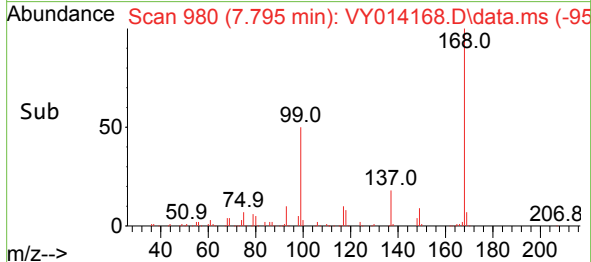
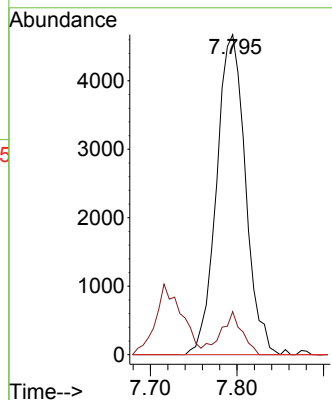
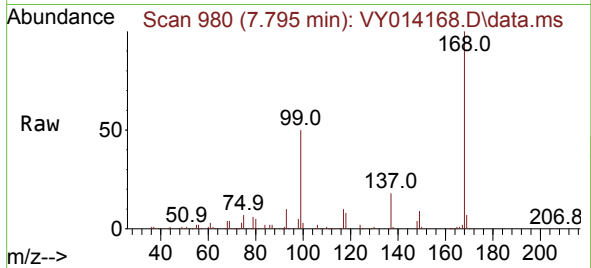




#36
1,1-Dichloropropene
Concen: 3.933 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

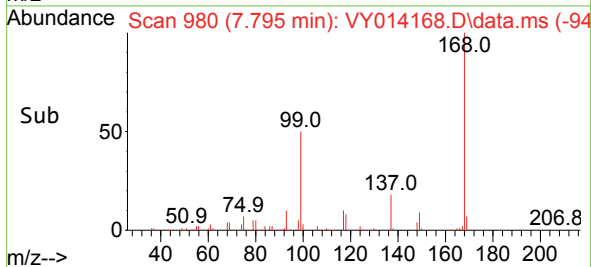
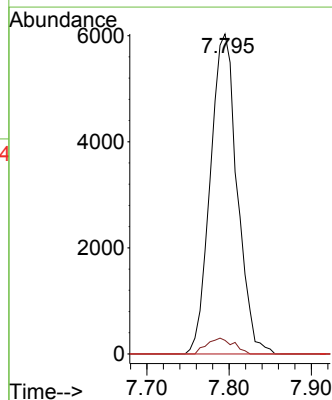
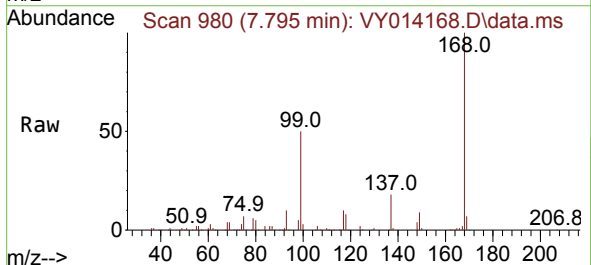
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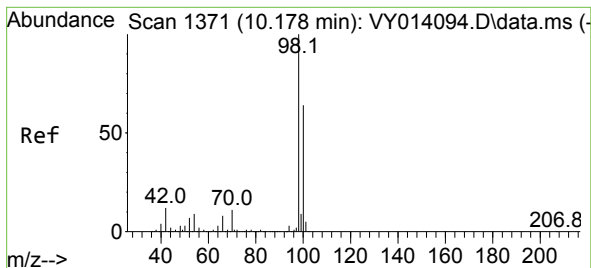
Tgt Ion: 75 Resp: 10823
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.320 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion: 117 Resp: 13716
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 45.532 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014168.D

Acq: 14 Jun 2023 20:57

Instrument :

MSVOA_Y

ClientSampleId :

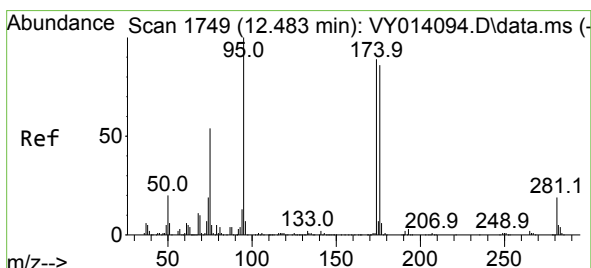
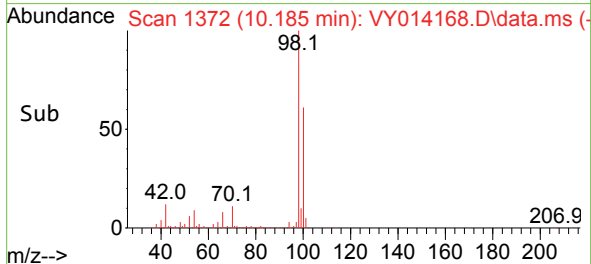
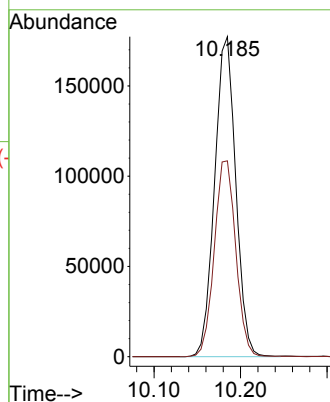
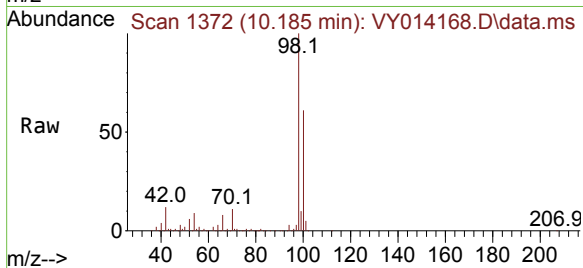
TOTAL-VOC-SB-11-GRAB-7

Tgt Ion: 98 Resp: 300438

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 36.164 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014168.D

Acq: 14 Jun 2023 20:57

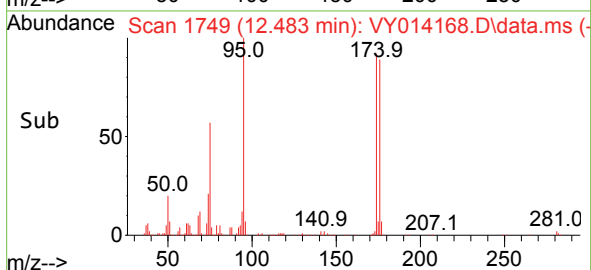
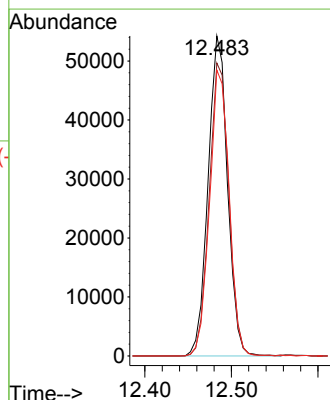
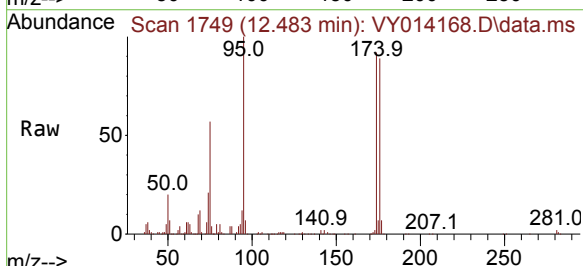
Tgt Ion: 95 Resp: 84767

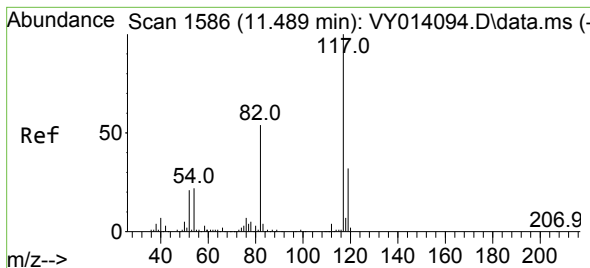
Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.2

176 89.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY014168.D

Acq: 14 Jun 2023 20:57

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-7

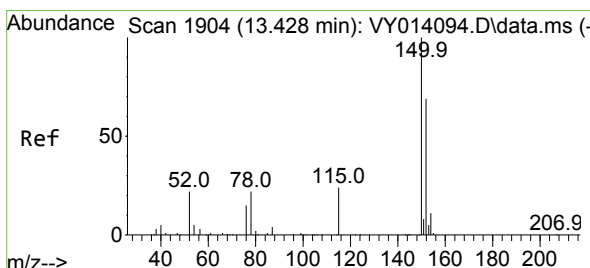
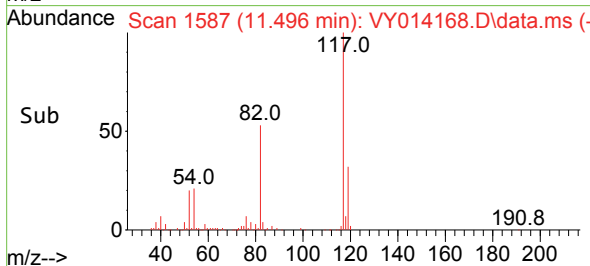
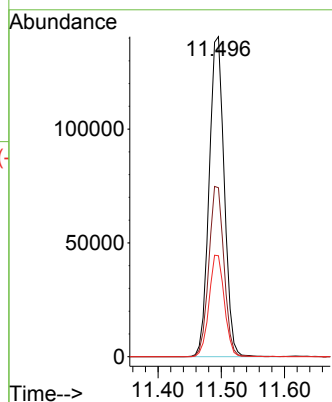
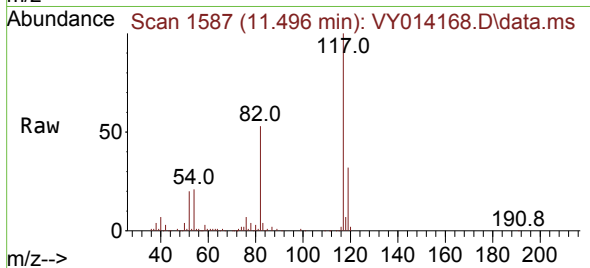
Tgt Ion:117 Resp: 233590

Ion Ratio Lower Upper

117 100

82 52.8 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: VY014168.D

Acq: 14 Jun 2023 20:57

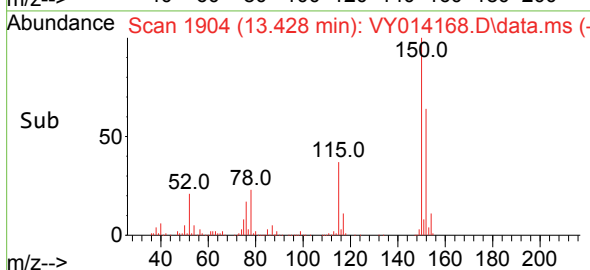
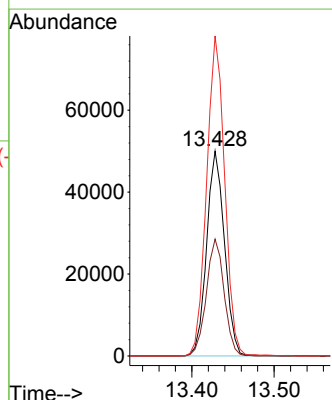
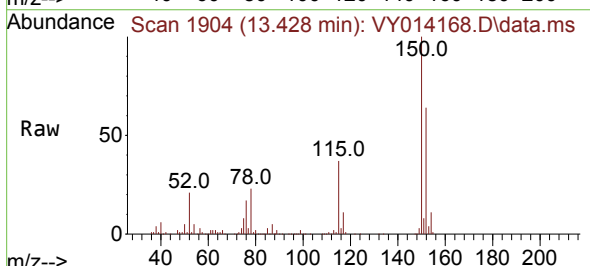
Tgt Ion:152 Resp: 75424

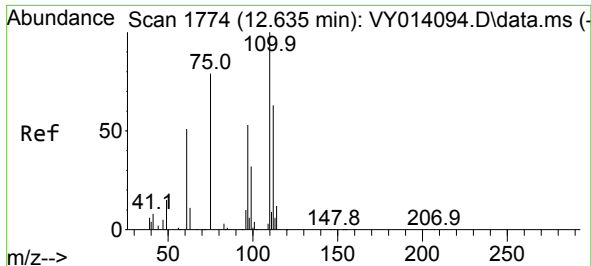
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 158.2 0.0 348.8

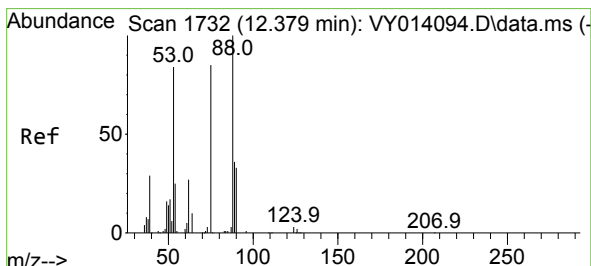
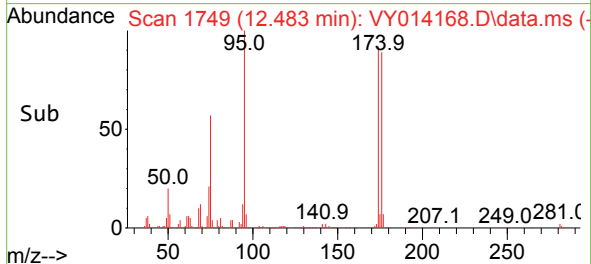
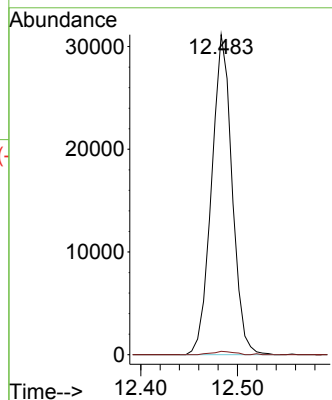
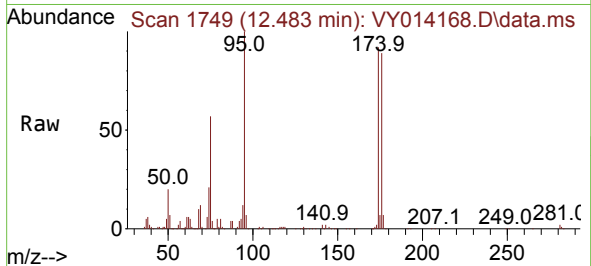




#76
1,2,3-Trichloropropane
Concen: 46.441 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

Tgt Ion: 75 Resp: 45955
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.386 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014168.D
Acq: 14 Jun 2023 20:57

Tgt Ion: 75 Resp: 45955
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

