

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014165.D
 Acq On : 14 Jun 2023 19:47
 Operator : KP/MD
 Sample : 03223-11
 Misc : 12.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-6

Quant Time: Jun 15 01:46:32 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)

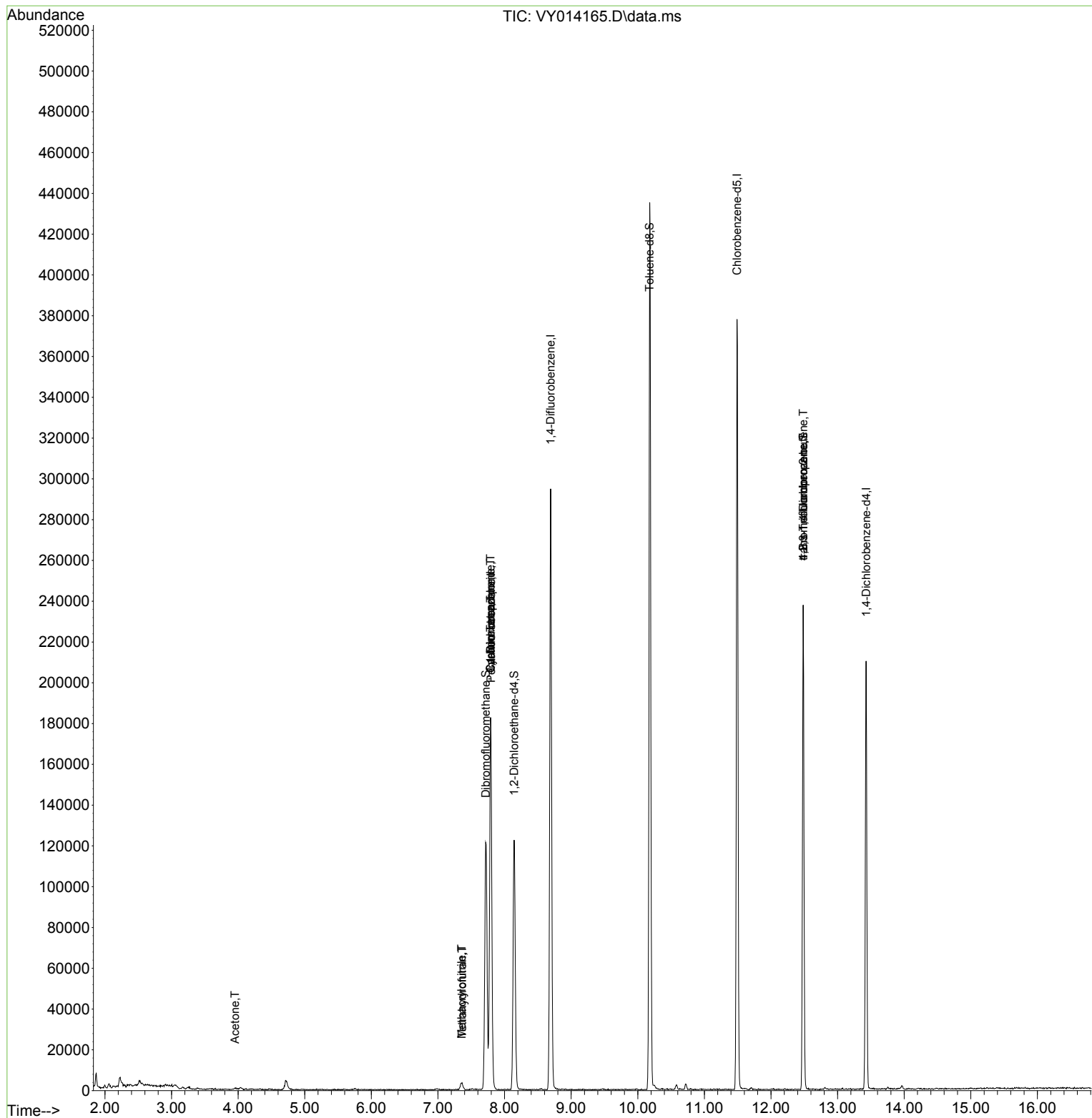
Internal Standards						
1) Pentafluorobenzene	7.795	168	140353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	202837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	104258	53.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.680%	
35) Dibromofluoromethane	7.716	113	84601	50.002	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.179	98	286924	45.360	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.720%	
62) 4-Bromofluorobenzene	12.483	95	66569	29.626	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 59.260%	
Target Compounds						
11) Tert butyl alcohol	4.979	59	358	Below Cal	#	89
16) Acetone	3.954	43	1413	2.398	ug/l #	68
20) Methylene Chloride	4.710	84	2909	Below Cal	#	81
29) Tetrahydrofuran	7.362	42	2617	5.691	ug/l	91
31) Cyclohexane	7.789	56	3280	1.253	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	10842	4.110	ug/l #	47
38) Carbon Tetrachloride	7.789	117	13952	4.584	ug/l #	14
41) Methacrylonitrile	7.356	41	1759	1.894	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	35373	49.600	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35373	107.216	ug/l #	11

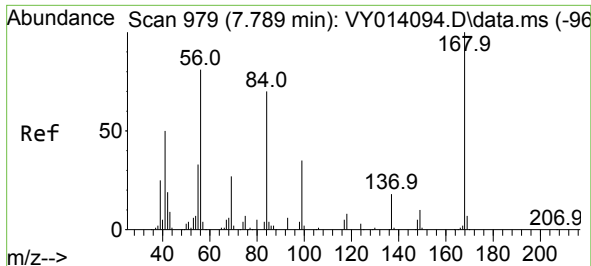
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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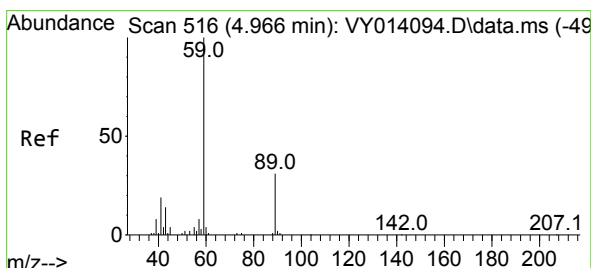
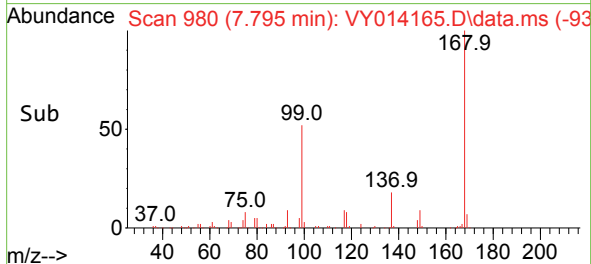
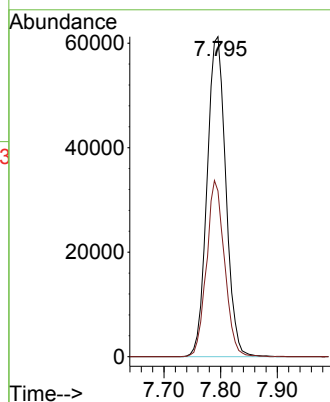
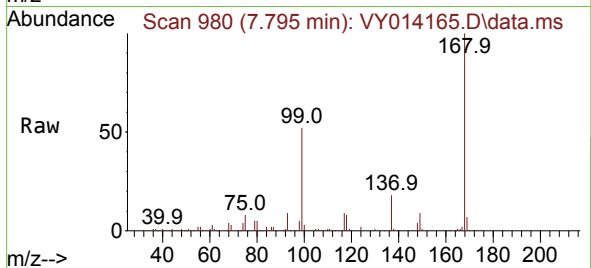




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

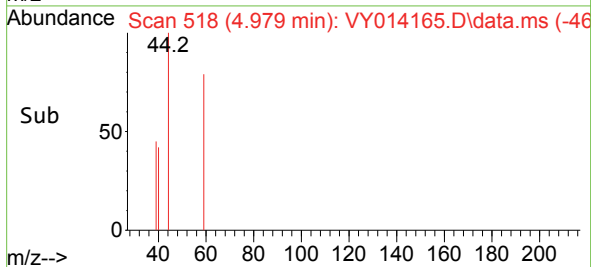
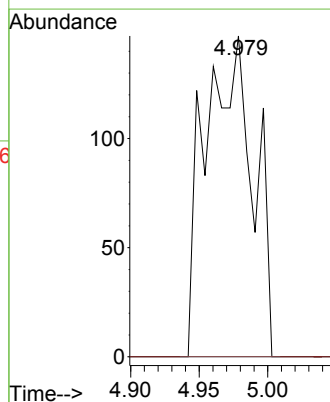
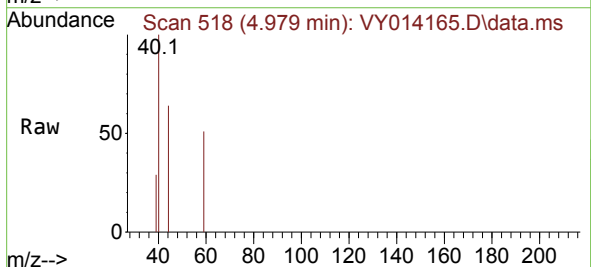
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

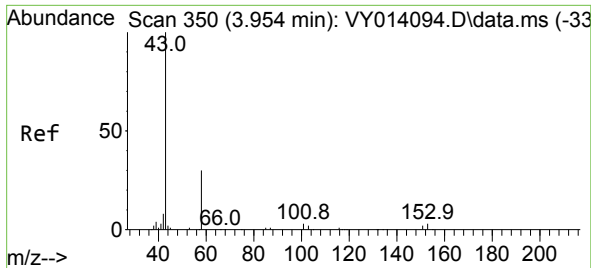
Tgt Ion:168 Resp: 140353
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.398 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014165.D

Acq: 14 Jun 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

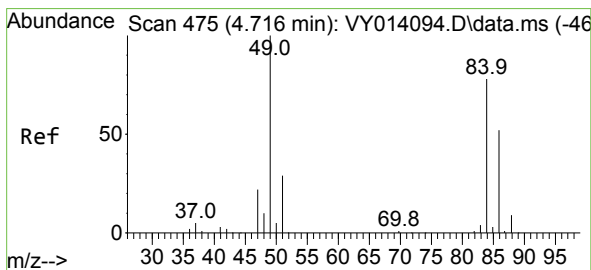
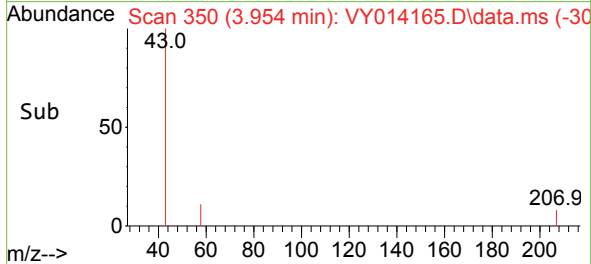
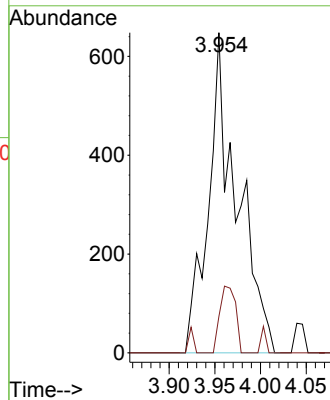
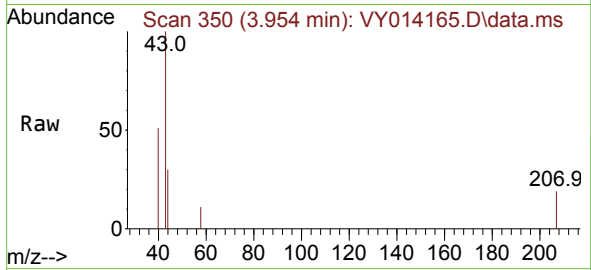
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

58 11.4 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014165.D

Acq: 14 Jun 2023 19:47

Tgt Ion: 84 Resp: 2909

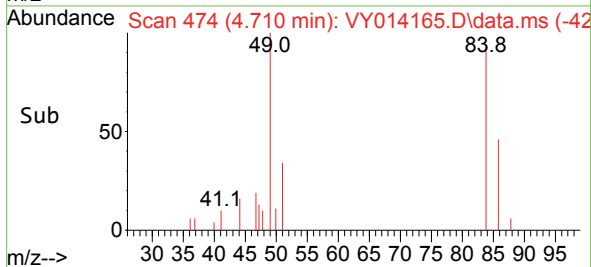
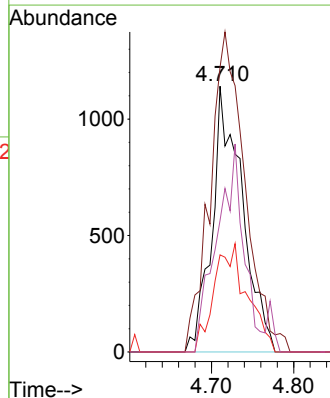
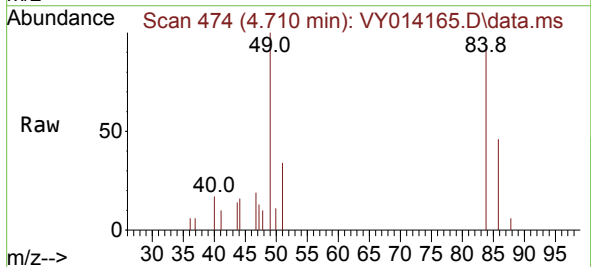
Ion Ratio Lower Upper

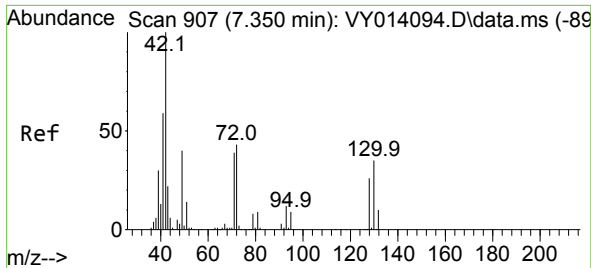
84 100

49 107.1 106.9 160.3

51 36.5 33.2 49.8

86 49.5 51.0 76.6#

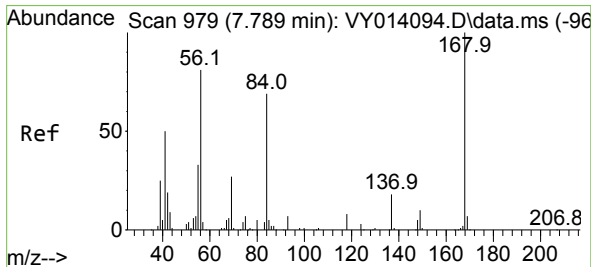
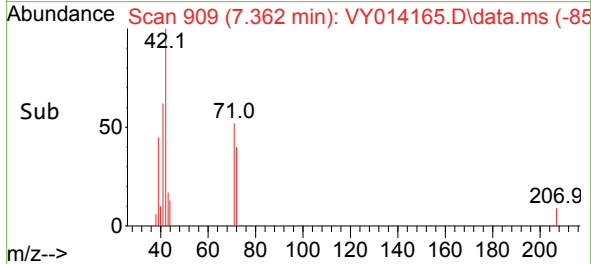
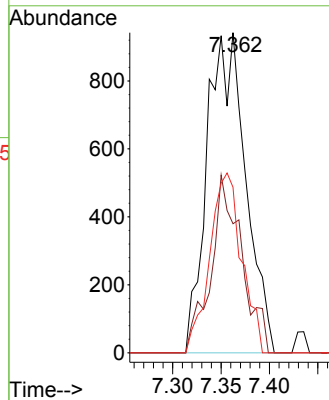
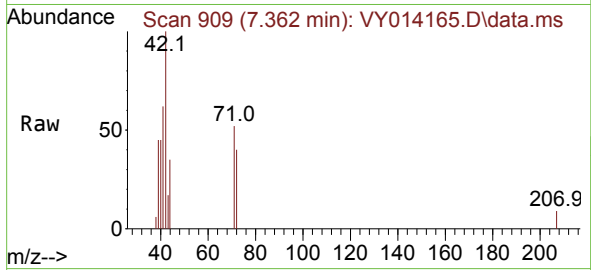




#29
Tetrahydrofuran
Concen: 5.691 ug/l
RT: 7.362 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

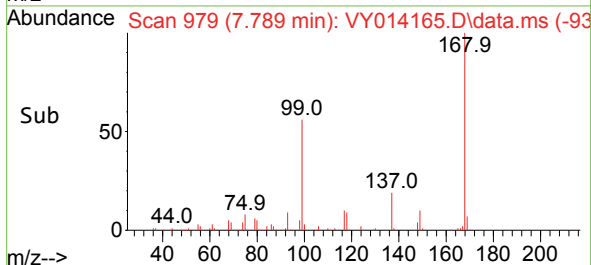
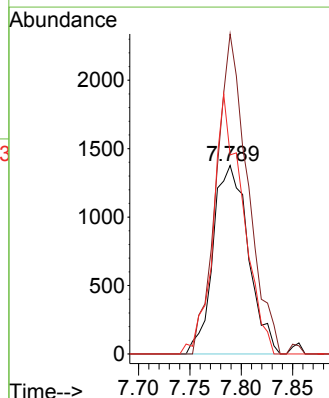
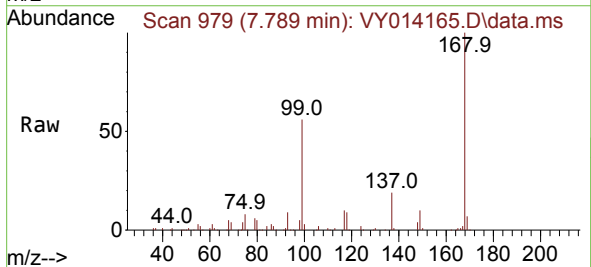
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

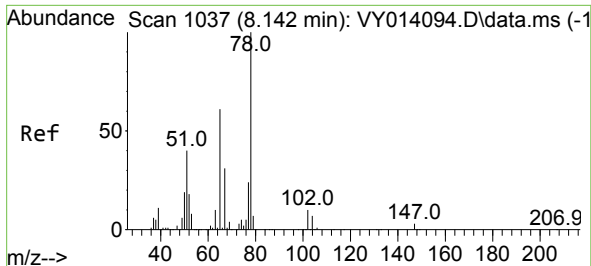
Tgt Ion:	42	Resp:	2617
Ion	Ratio	Lower	Upper
42	100		
72	44.1	32.8	49.2
71	46.4	31.0	46.4



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Tgt Ion:	56	Resp:	3280
Ion	Ratio	Lower	Upper
56	100		
69	169.8	27.8	41.6#
84	105.6	66.4	99.6#

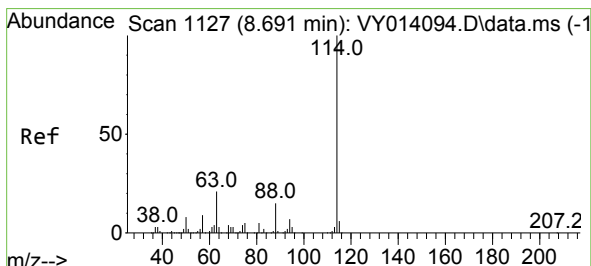
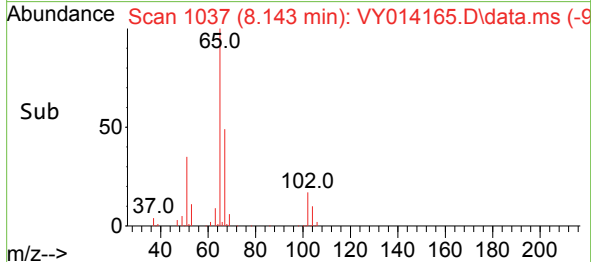
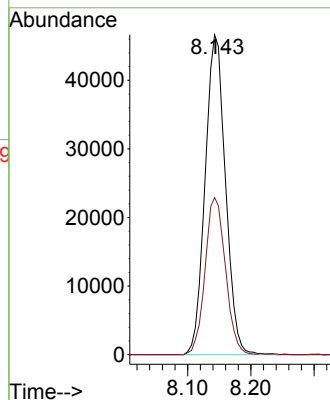
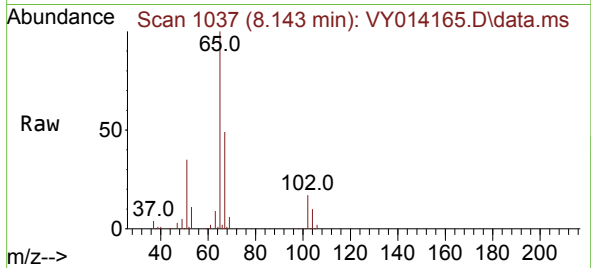




#33
1,2-Dichloroethane-d4
Concen: 53.344 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

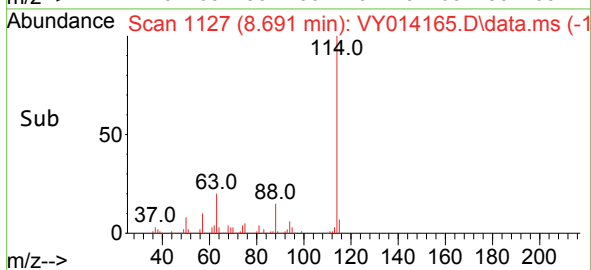
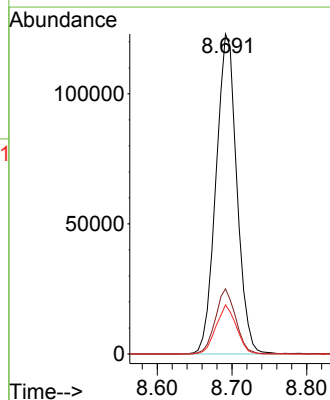
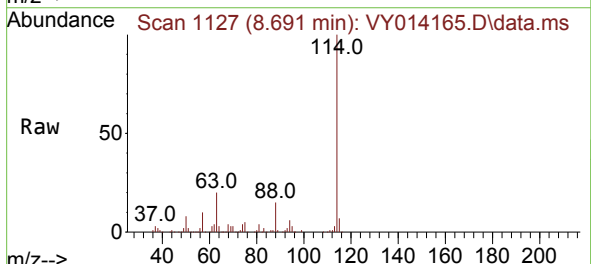
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

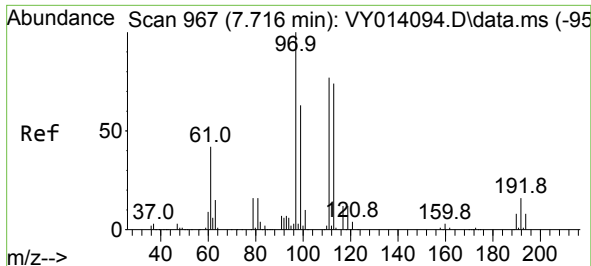
Tgt Ion: 65 Resp: 104258
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Tgt Ion: 114 Resp: 238578
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.3 0.0 30.6

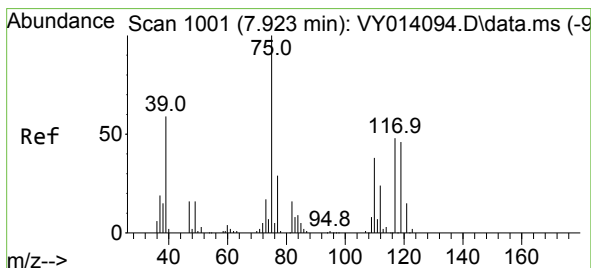
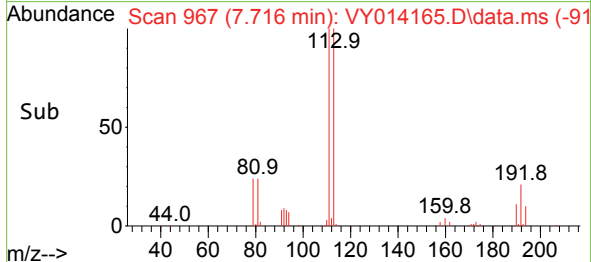
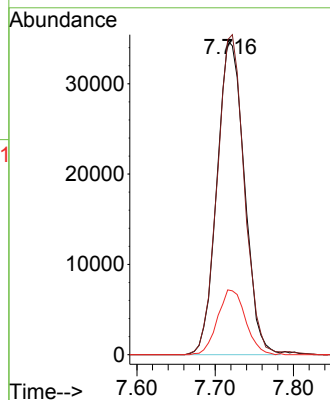
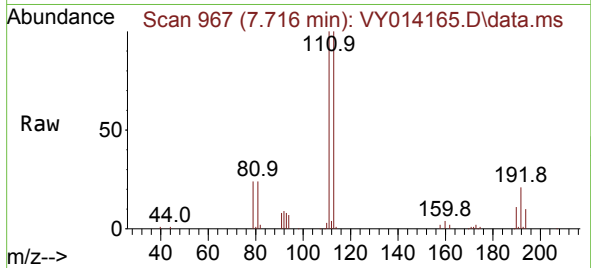




#35
Dibromofluoromethane
Concen: 50.002 ug/l
RT: 7.716 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

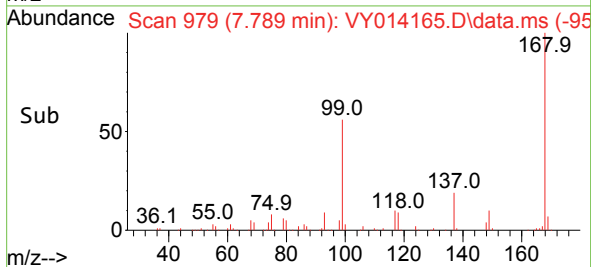
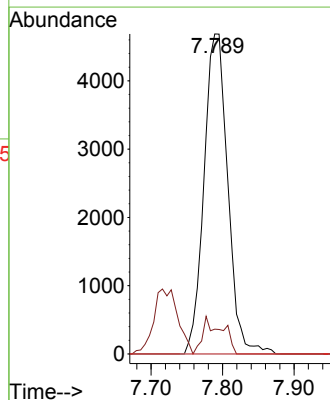
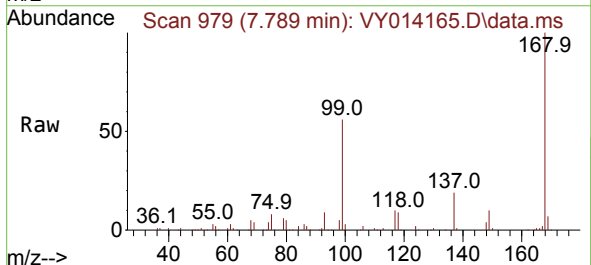
Instrument :
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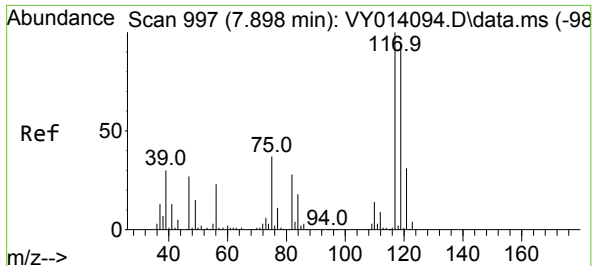
Tgt Ion:113 Resp: 84601
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.110 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

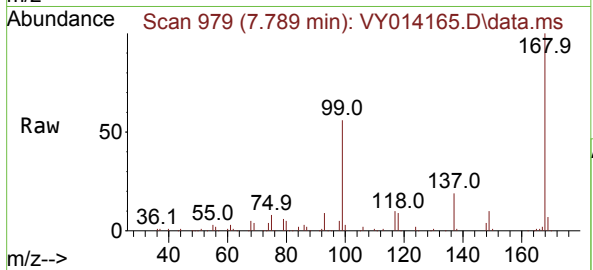
Tgt Ion: 75 Resp: 10842
Ion Ratio Lower Upper
75 100
110 6.5 17.8 53.5#
77 0.0 24.4 36.6#



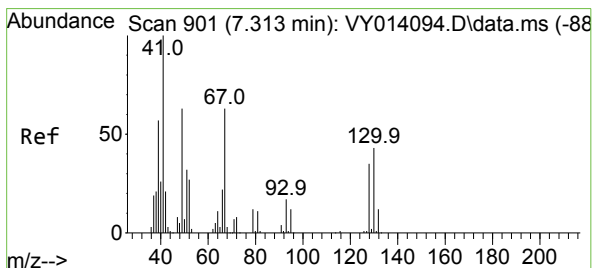
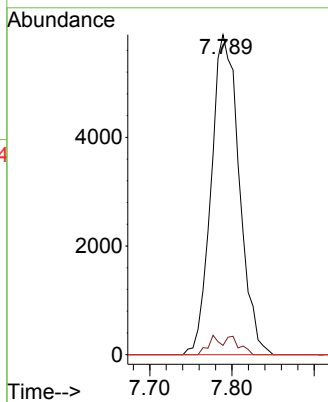
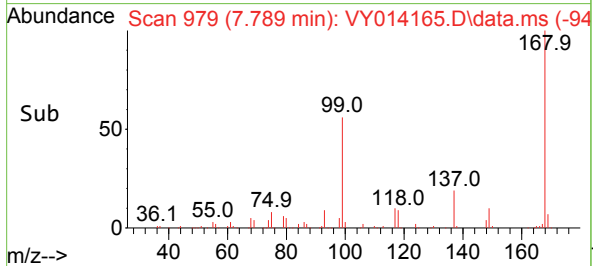


#38
Carbon Tetrachloride
Concen: 4.584 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

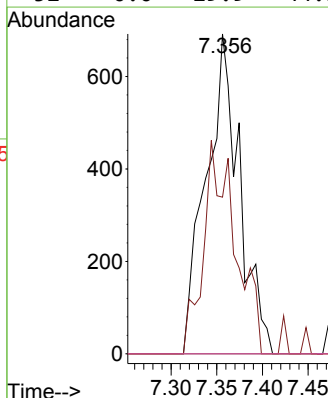
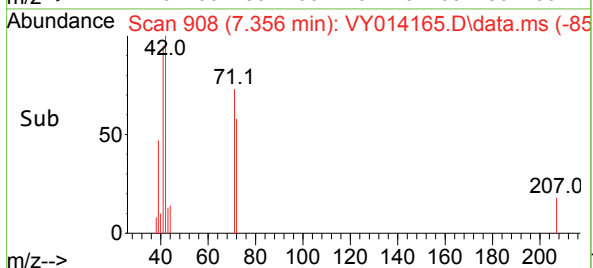
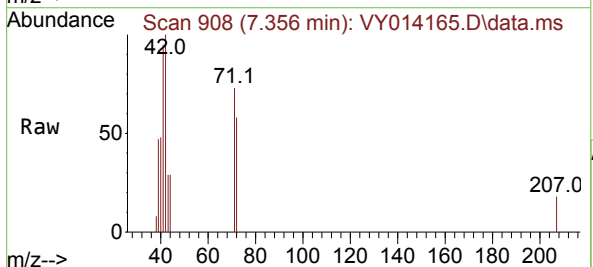


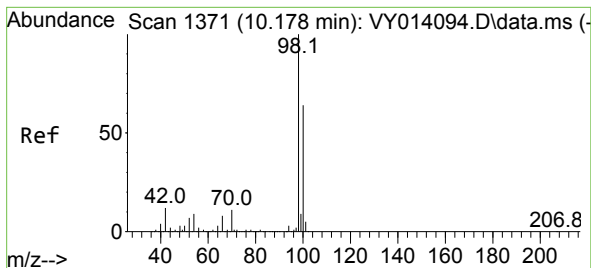
Tgt Ion:117 Resp: 13952
Ion Ratio Lower Upper
117 100
119 2.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.894 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Tgt Ion: 41 Resp: 1759
Ion Ratio Lower Upper
41 100
39 63.6 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 45.360 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014165.D

Acq: 14 Jun 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

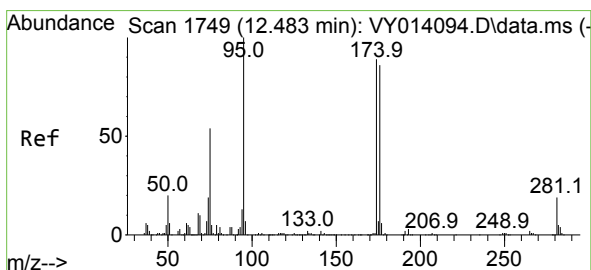
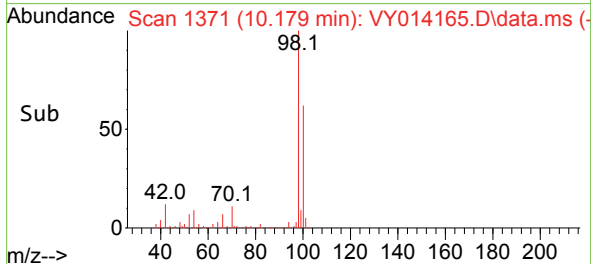
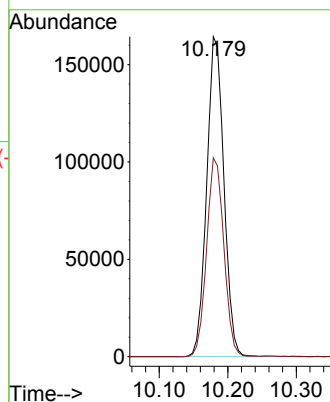
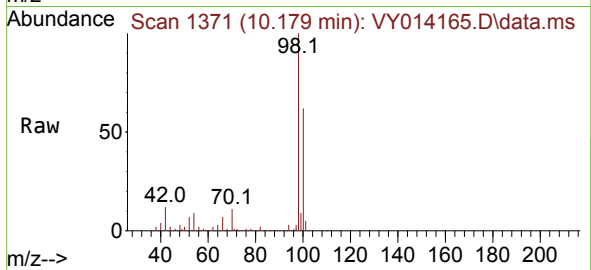
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 98 Resp: 286924

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 29.626 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014165.D

Acq: 14 Jun 2023 19:47

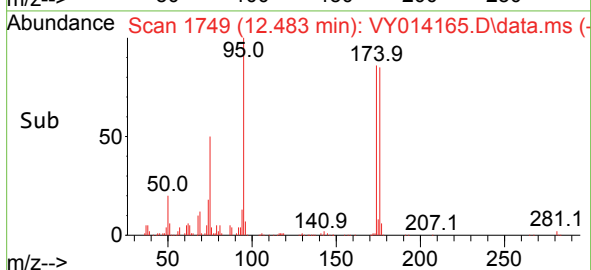
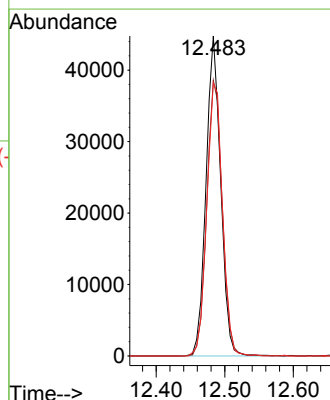
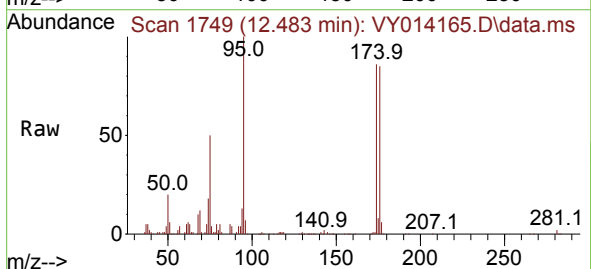
Tgt Ion: 95 Resp: 66569

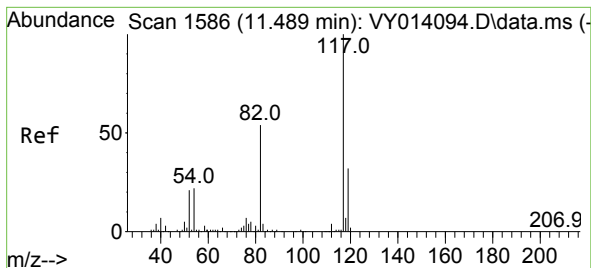
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 91.4 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: VY014165.D

Acq: 14 Jun 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-6

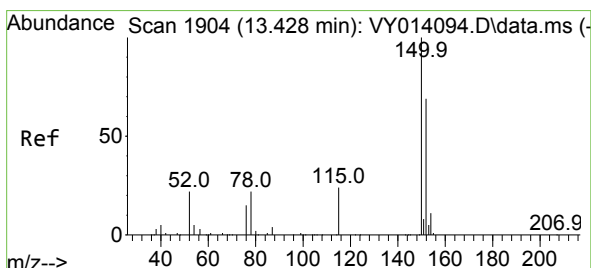
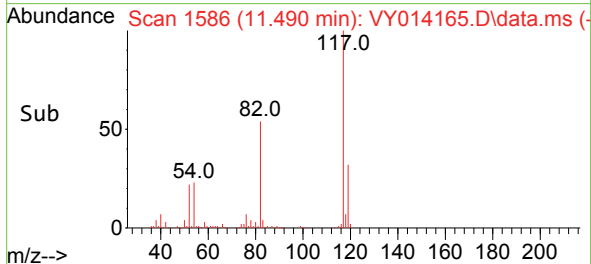
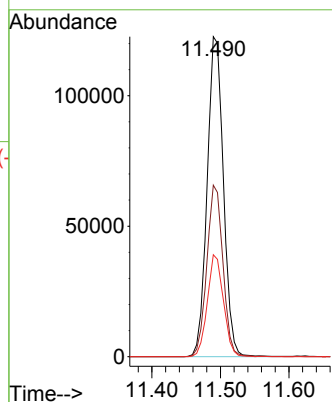
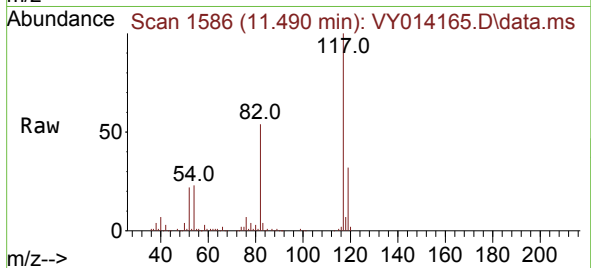
Tgt Ion:117 Resp: 202837

Ion Ratio Lower Upper

117 100

82 53.6 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: VY014165.D

Acq: 14 Jun 2023 19:47

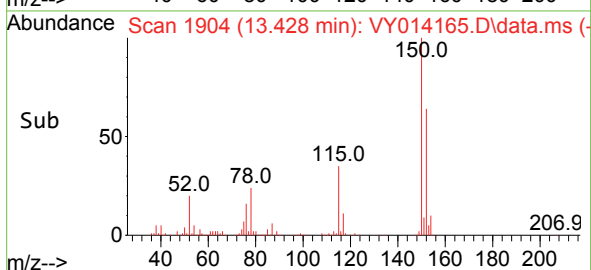
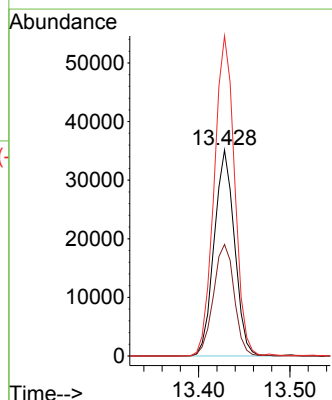
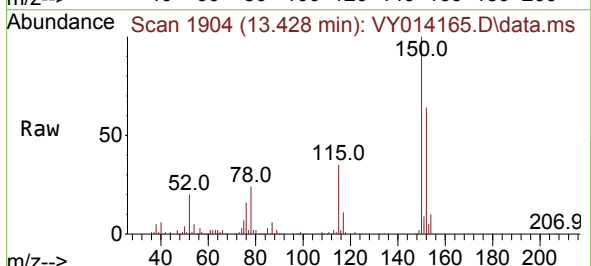
Tgt Ion:152 Resp: 54358

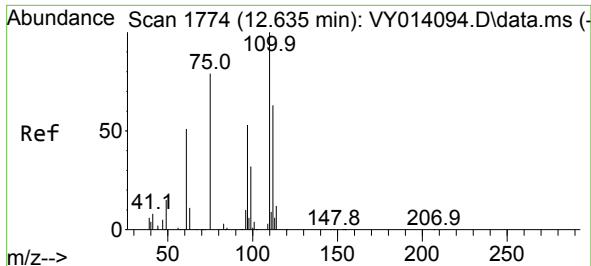
Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 155.7 0.0 348.8

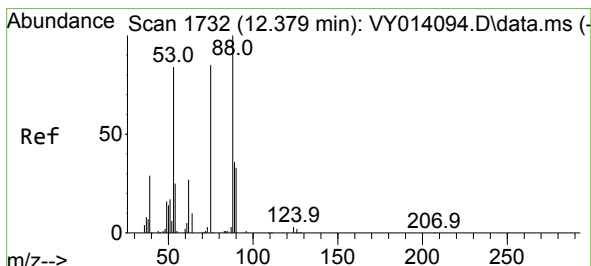
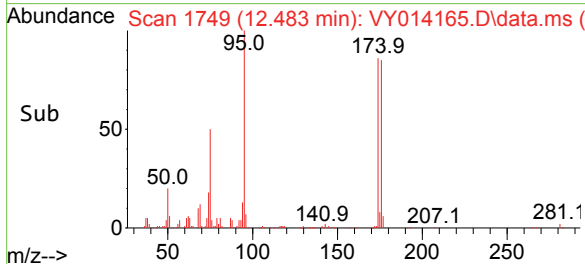
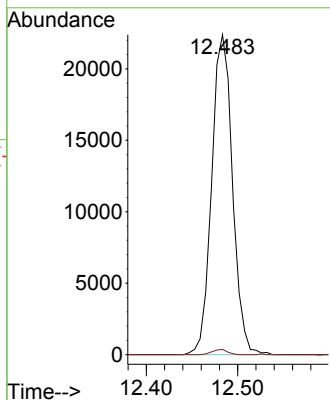
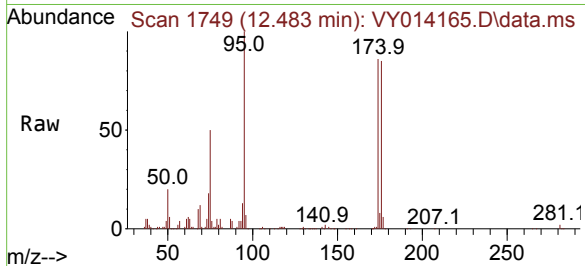




#76
1,2,3-Trichloropropane
Concen: 49.600 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 75 Resp: 35373
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.216 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014165.D
Acq: 14 Jun 2023 19:47

Tgt Ion: 75 Resp: 35373
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

