

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014182.D
 Acq On : 15 Jun 2023 12:22
 Operator : KP/MD
 Sample : 03222-18
 Misc : 9.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-06-GRAB-7

Quant Time: Jun 16 02:06:35 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)

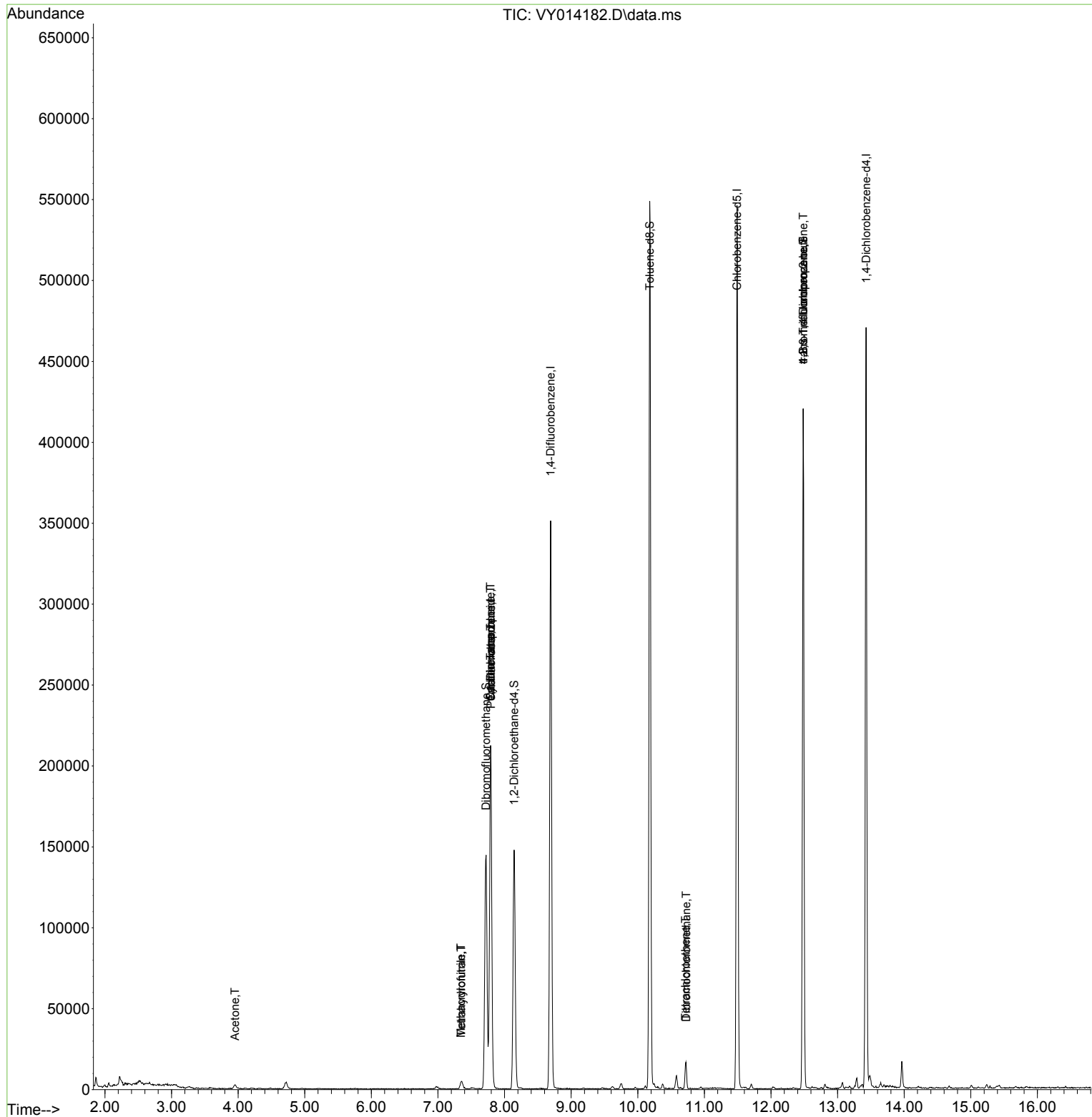
Internal Standards						
1) Pentafluorobenzene	7.795	168	164365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	287501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124117	54.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.460%	
35) Dibromofluoromethane	7.722	113	100041	49.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.140%	
50) Toluene-d8	10.179	98	356853	46.815	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.640%	
62) 4-Bromofluorobenzene	12.483	95	113581	41.946	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	542	Below Cal	#	89
13) Acrolein	3.717	56	51	Below Cal	#	42
16) Acetone	3.954	43	4397	6.373	ug/l	98
20) Methylene Chloride	4.710	84	2948	Below Cal	#	75
29) Tetrahydrofuran	7.350	42	4011	7.448	ug/l	97
31) Cyclohexane	7.789	56	3831	1.249	ug/l	# 24
36) 1,1-Dichloropropene	7.789	75	12432	3.911	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	15529	4.234	ug/l	# 19
41) Methacrylonitrile	7.344	41	2253	2.013	ug/l	# 46
60) Dibromochloromethane	10.728	129	2958	1.179	ug/l	# 11
64) Tetrachloroethene	10.715	164	3537	1.437	ug/l	# 78
76) 1,2,3-Trichloropropane	12.483	75	63381	40.582	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	63381	87.723	ug/l	# 11

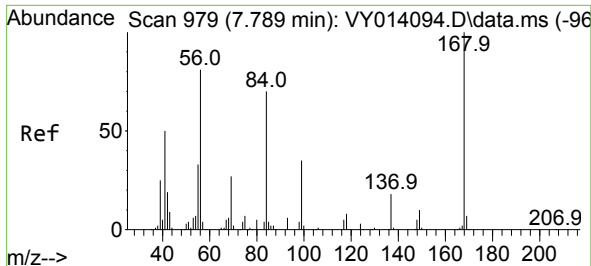
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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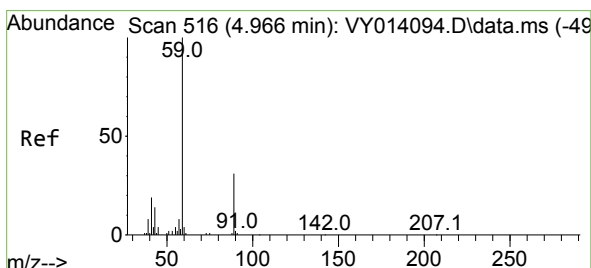
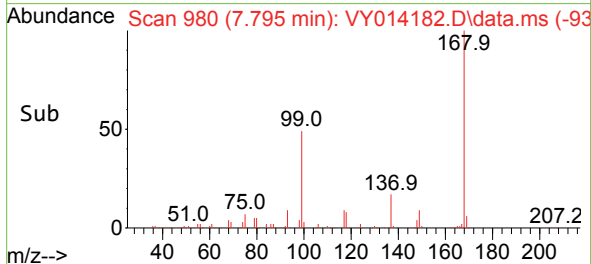
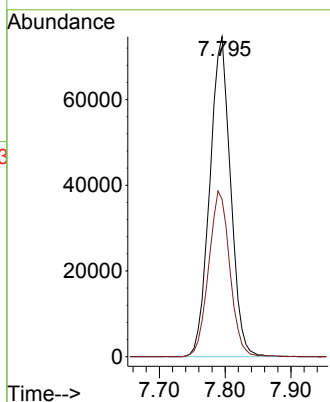
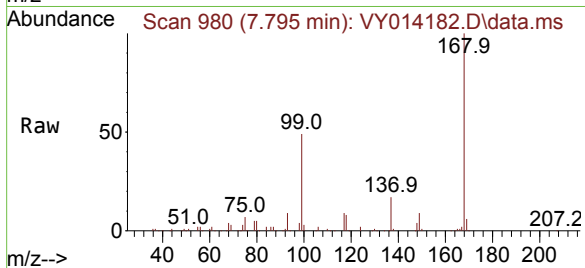




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

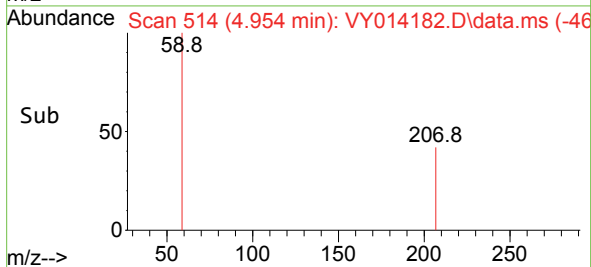
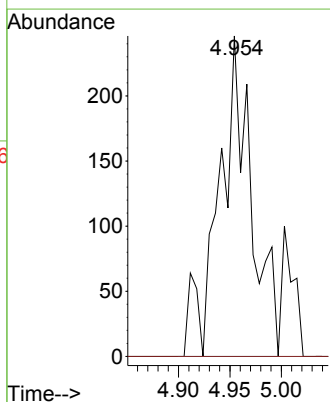
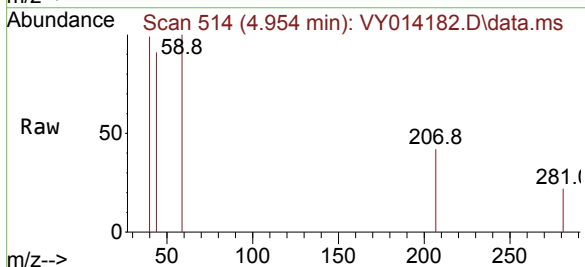
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

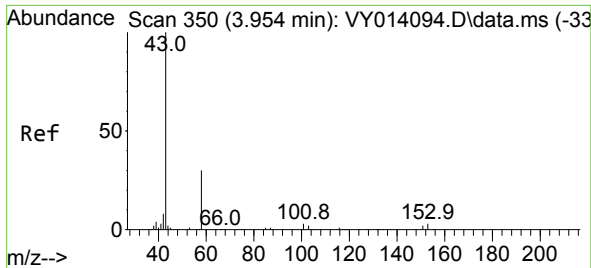
Tgt Ion:168 Resp: 164365
Ion Ratio Lower Upper
168 100
99 49.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 6.373 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY014182.D

Acq: 15 Jun 2023 12:22

Instrument :

MSVOA_Y

ClientSampleId :

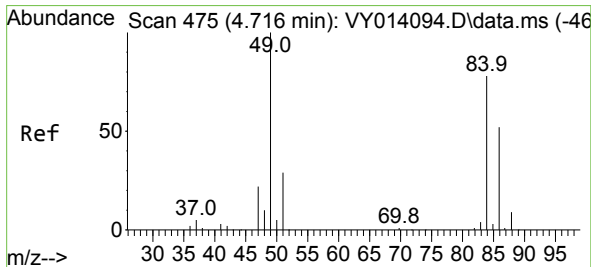
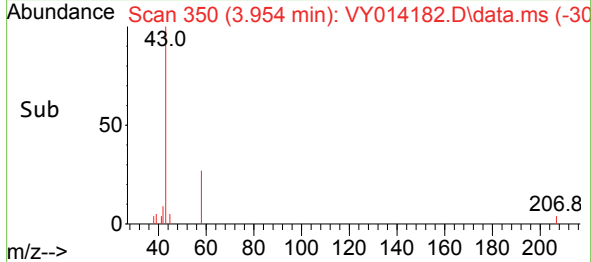
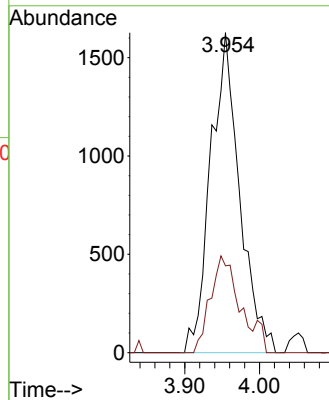
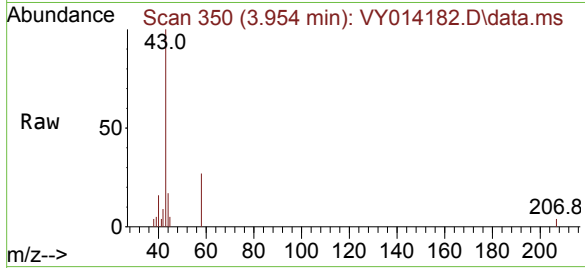
TOTAL-VOC-SB-06-GRAB-7

Tgt Ion: 43 Resp: 4397

Ion Ratio Lower Upper

43 100

58 27.2 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014182.D

Acq: 15 Jun 2023 12:22

Tgt Ion: 84 Resp: 2948

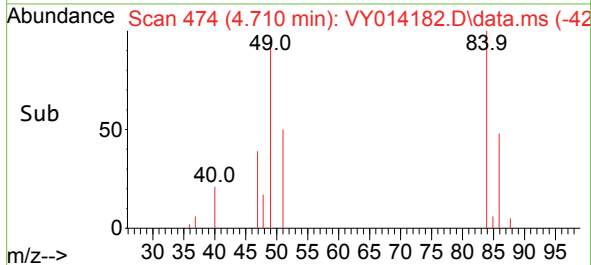
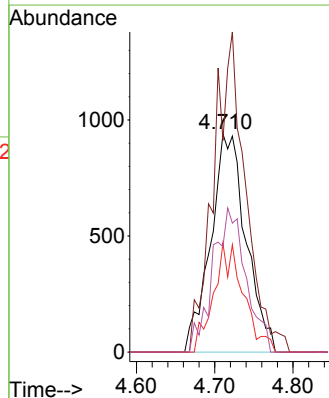
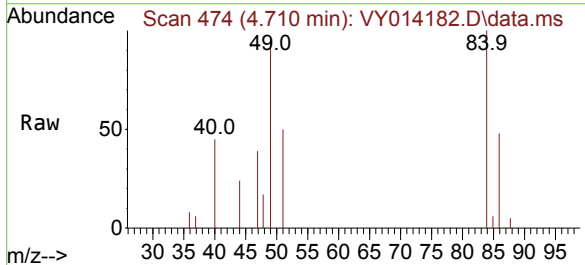
Ion Ratio Lower Upper

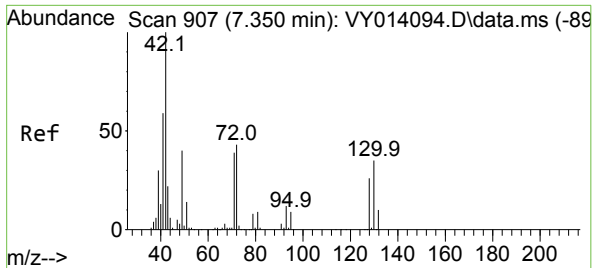
84 100

49 97.0 106.9 160.3#

51 49.9 33.2 49.8#

86 48.3 51.0 76.6#

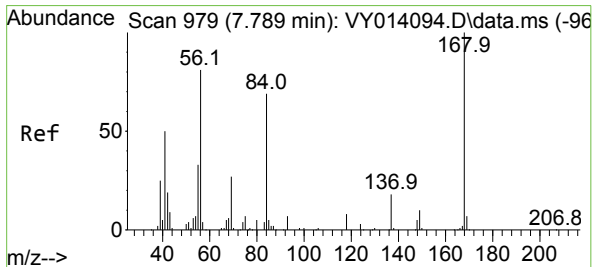
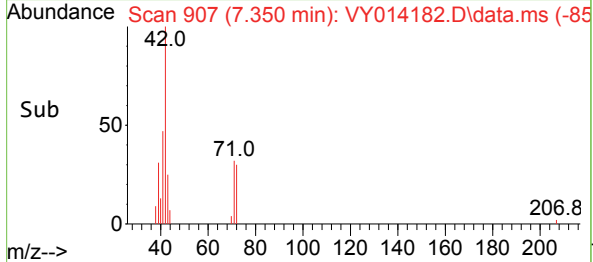
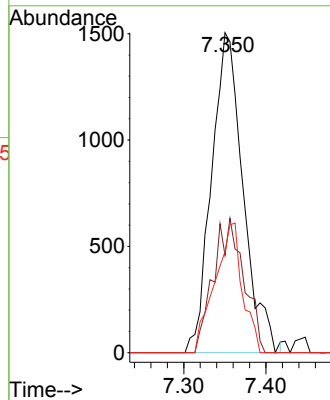
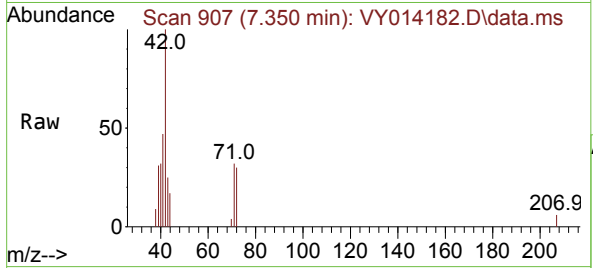




#29
Tetrahydrofuran
Concen: 7.448 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

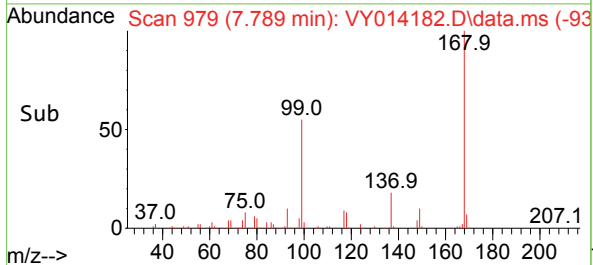
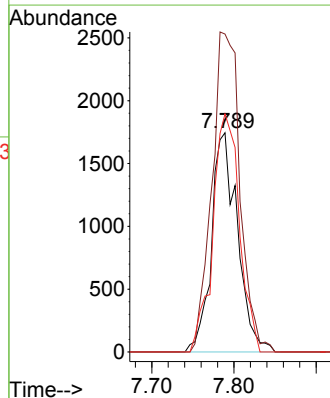
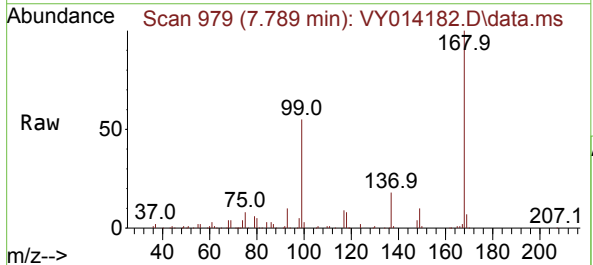
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

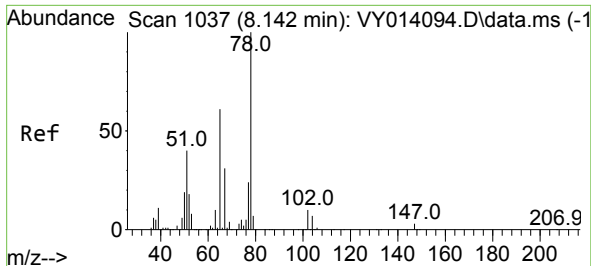
Tgt Ion:	42	Resp:	4011
Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.8	49.2
71	35.3	31.0	46.4



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion:	56	Resp:	3831
Ion	Ratio	Lower	Upper
56	100		
69	145.0	27.8	41.6#
84	108.6	66.4	99.6#

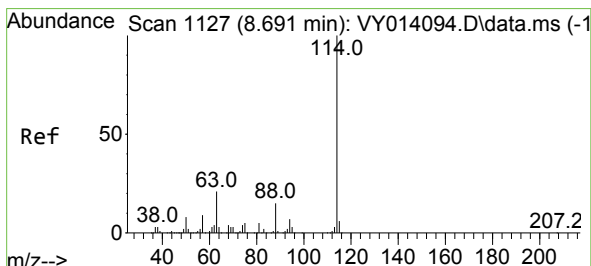
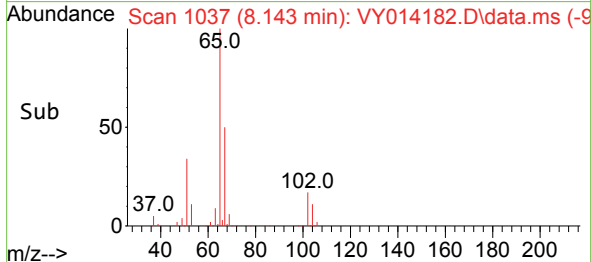
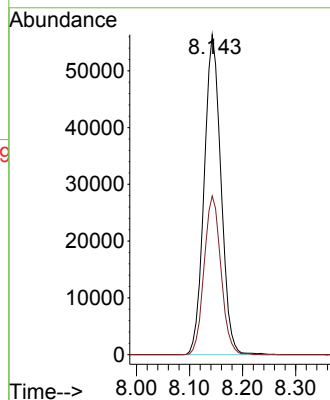
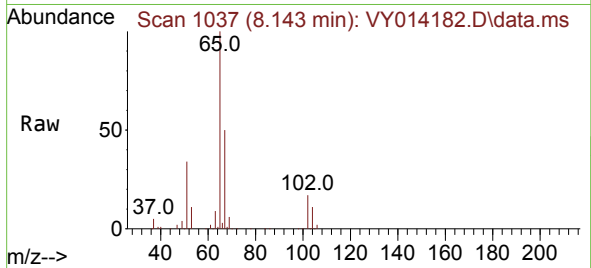




#33
1,2-Dichloroethane-d4
Concen: 54.228 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

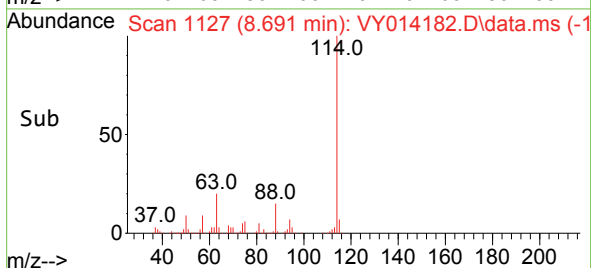
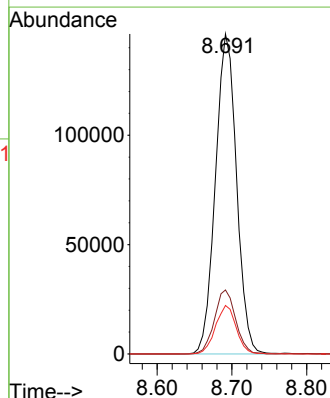
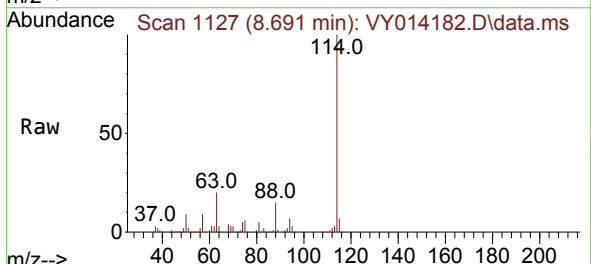
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-06-GRAB-7

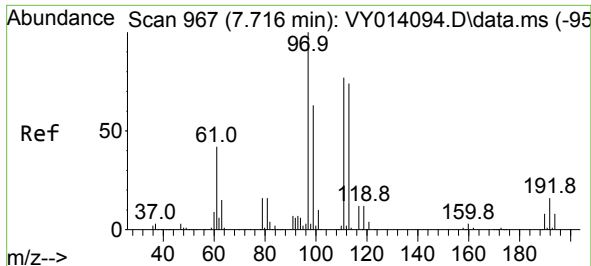
Tgt Ion: 65 Resp: 124117
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion:114 Resp: 287501
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 15.2 0.0 30.6

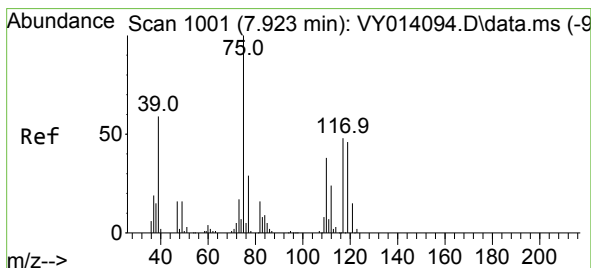
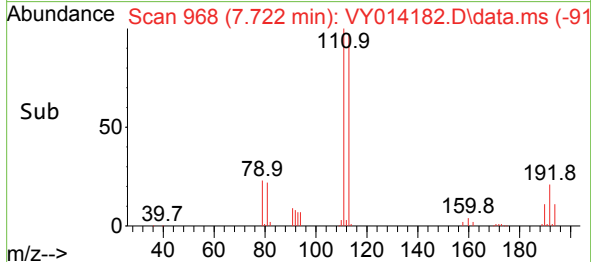
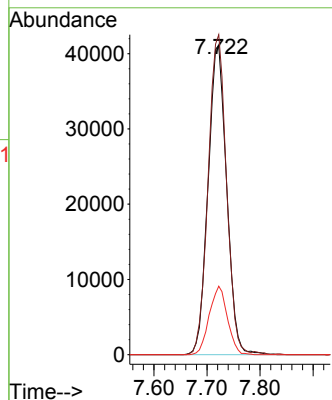
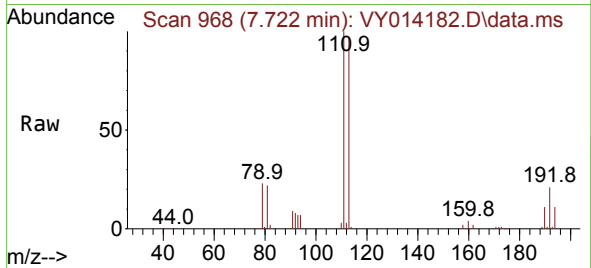




#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

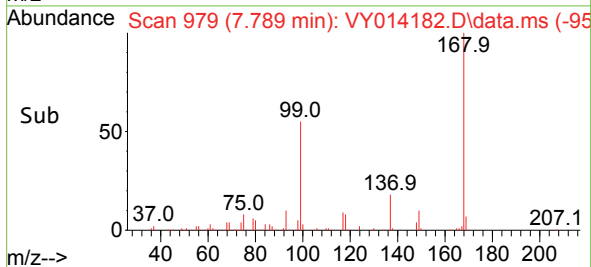
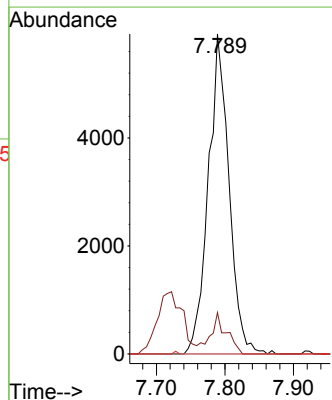
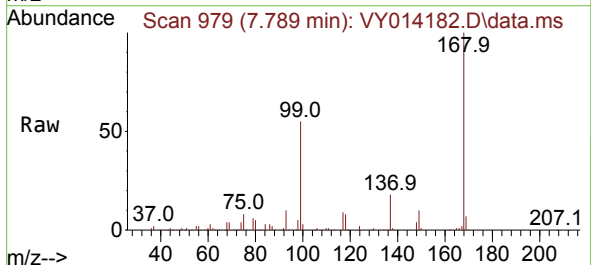
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MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

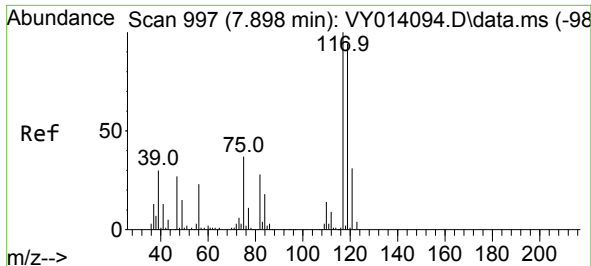
Tgt Ion:113 Resp: 100041
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.911 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion: 75 Resp: 12432
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#

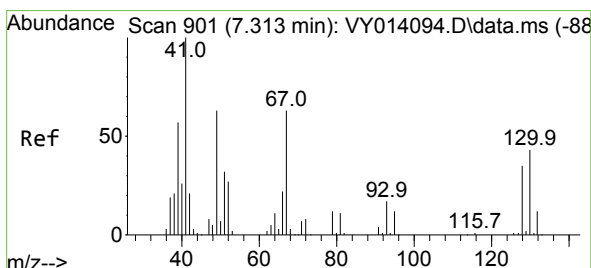
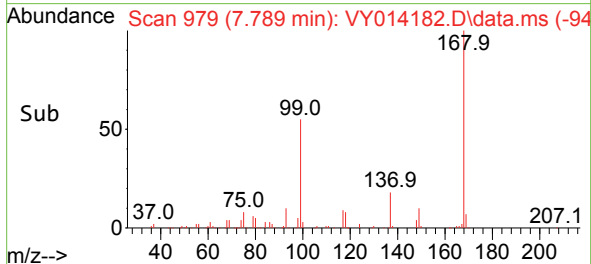
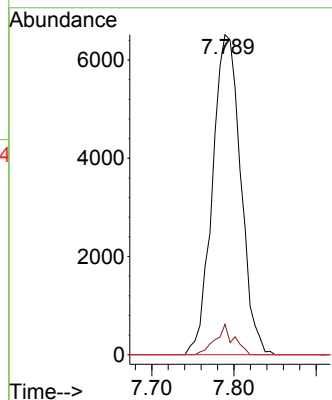
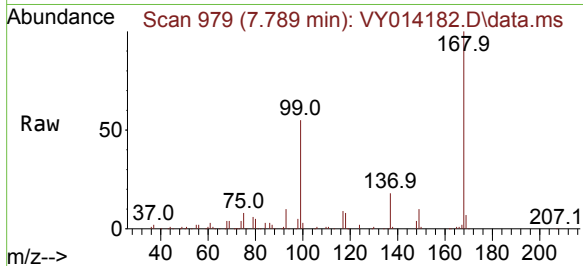




#38
Carbon Tetrachloride
Concen: 4.234 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

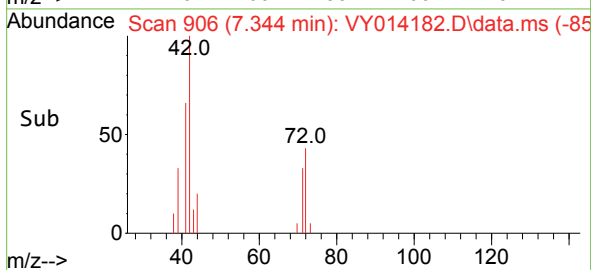
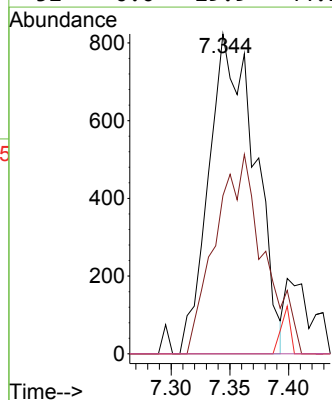
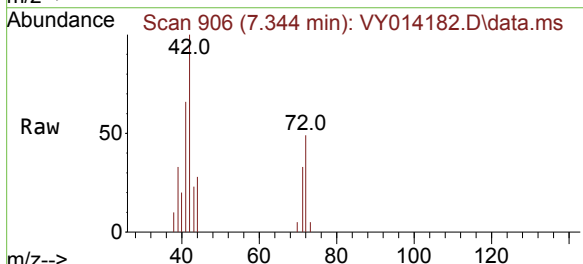
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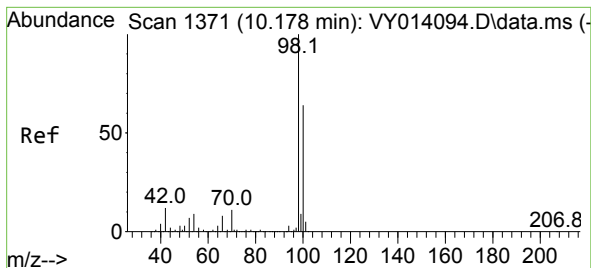
Tgt Ion:117 Resp: 15529
Ion Ratio Lower Upper
117 100
119 9.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.013 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion: 41 Resp: 2253
Ion Ratio Lower Upper
41 100
39 65.1 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 46.815 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014182.D

Acq: 15 Jun 2023 12:22

Instrument :

MSVOA_Y

ClientSampleId :

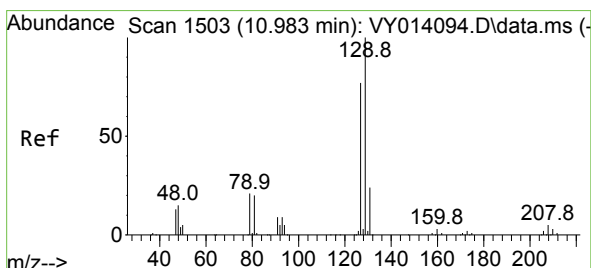
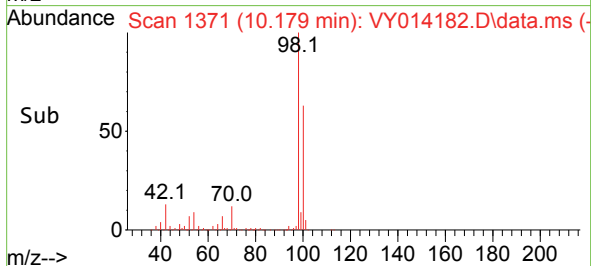
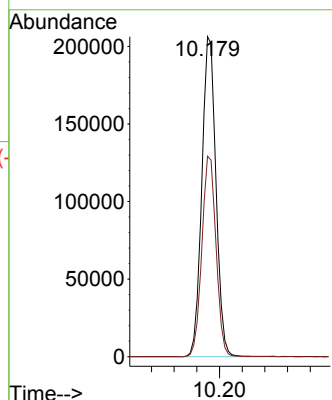
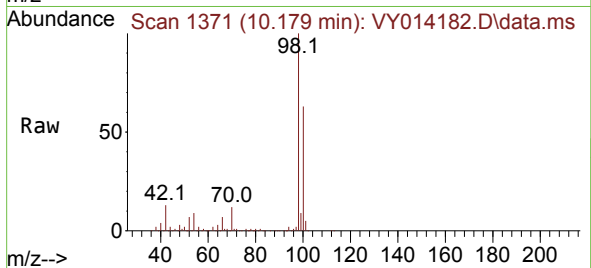
TOTAL-VOC-SB-06-GRAB-7

Tgt Ion: 98 Resp: 356853

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



#60

Dibromochloromethane

Concen: 1.179 ug/l

RT: 10.728 min Scan# 1461

Delta R.T. -0.255 min

Lab File: VY014182.D

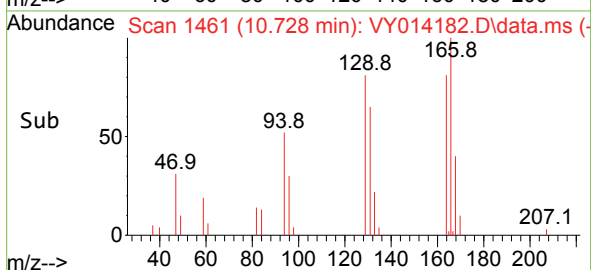
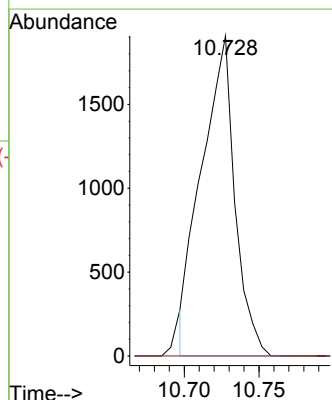
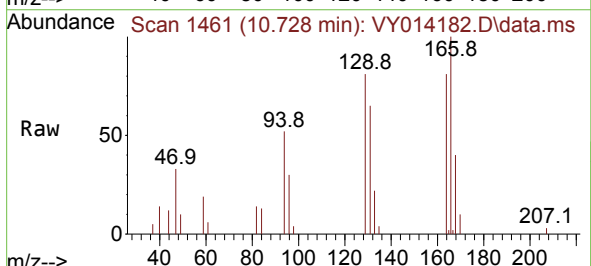
Acq: 15 Jun 2023 12:22

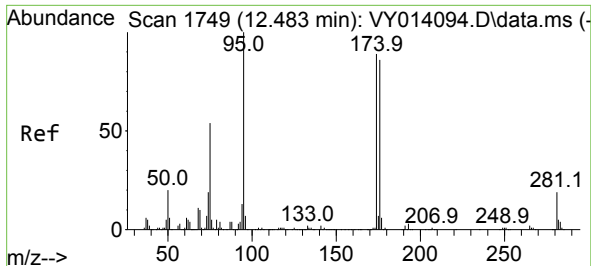
Tgt Ion:129 Resp: 2958

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

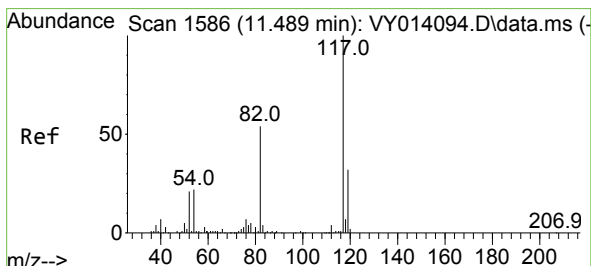
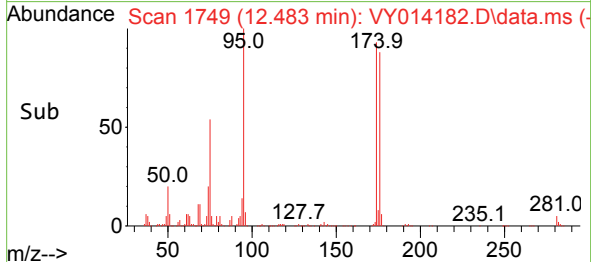
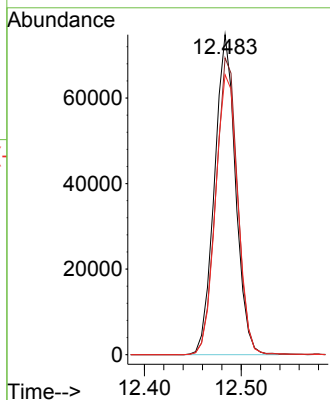
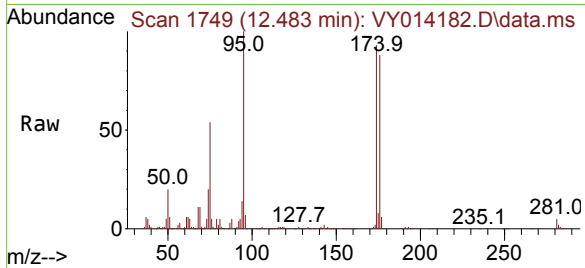




#62
4-Bromofluorobenzene
Concen: 41.946 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

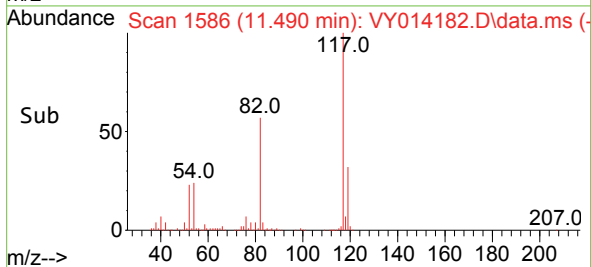
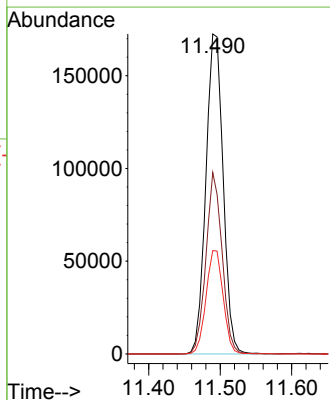
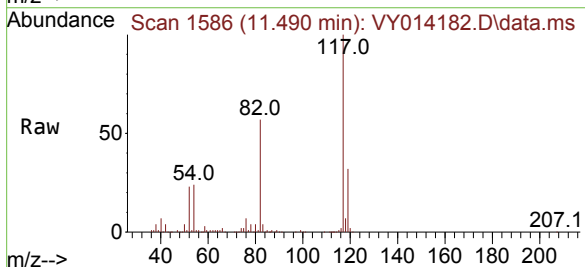
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

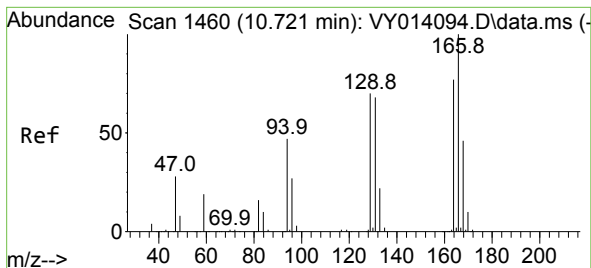
Tgt Ion: 95 Resp: 113581
Ion Ratio Lower Upper
95 100
174 95.4 0.0 178.2
176 92.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion: 117 Resp: 288796
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.0
119 32.3 26.3 39.5





#64

Tetrachloroethene

Concen: 1.437 ug/l

RT: 10.715 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VY014182.D

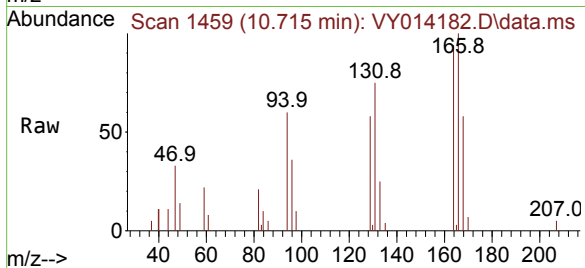
Acq: 15 Jun 2023 12:22

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-7



Tgt Ion:164 Resp: 3537

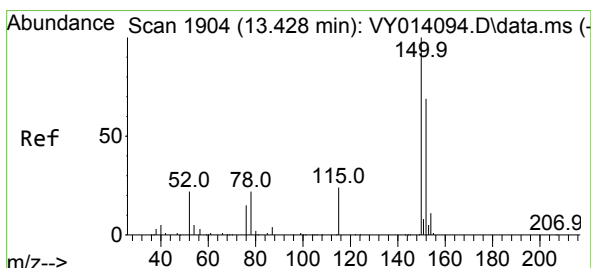
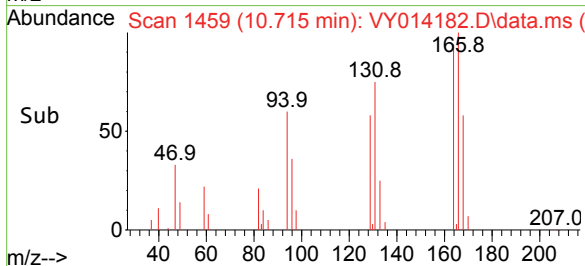
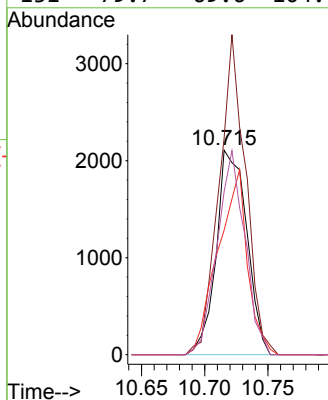
Ion Ratio Lower Upper

164 100

166 105.9 103.0 154.6

129 60.9 77.2 115.8#

131 79.7 69.6 104.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014182.D

Acq: 15 Jun 2023 12:22

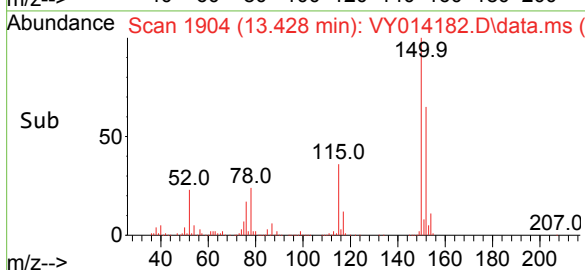
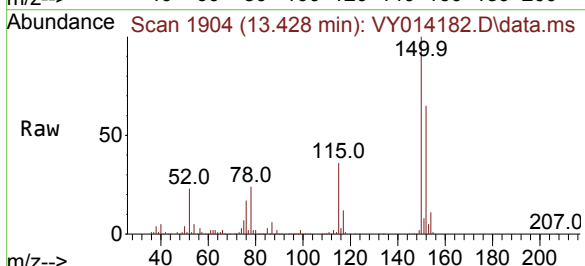
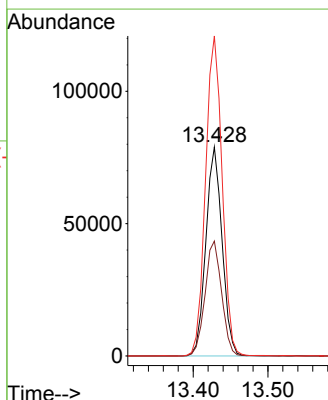
Tgt Ion:152 Resp: 119041

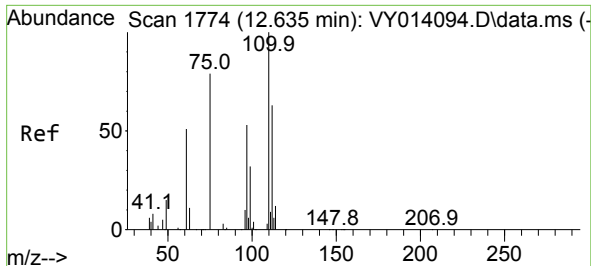
Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 156.6 0.0 348.8

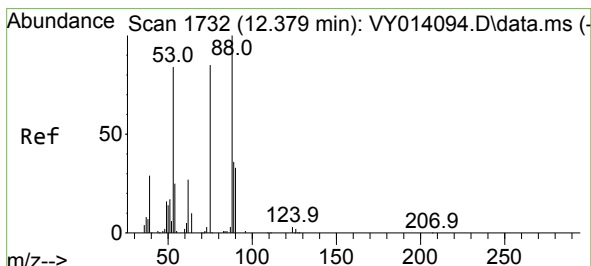
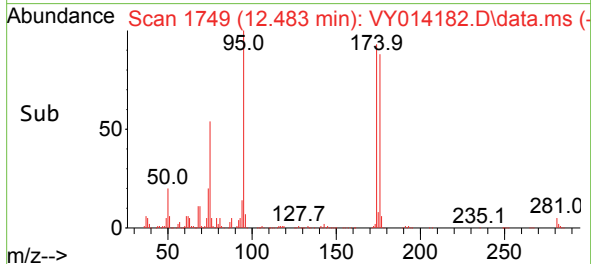
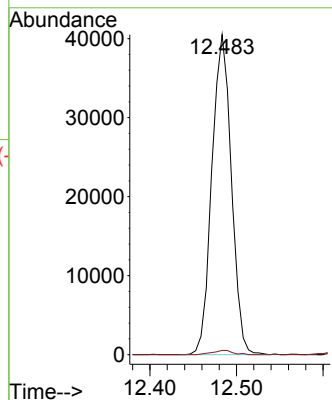
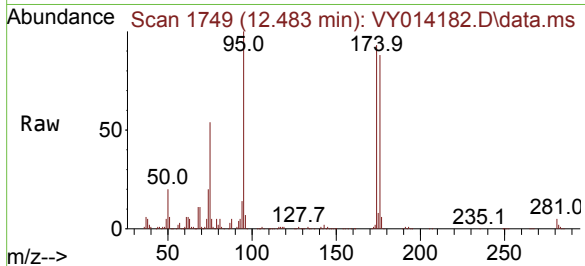




#76
1,2,3-Trichloropropane
Concen: 40.582 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

Tgt Ion: 75 Resp: 63381
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.723 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014182.D
Acq: 15 Jun 2023 12:22

Tgt Ion: 75 Resp: 63381
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

