

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014173.D
 Acq On : 14 Jun 2023 22:54
 Operator : KP/MD
 Sample : 03224-11
 Misc : 9.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-10-GRAB-7

Quant Time: Jun 15 01:49:36 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)

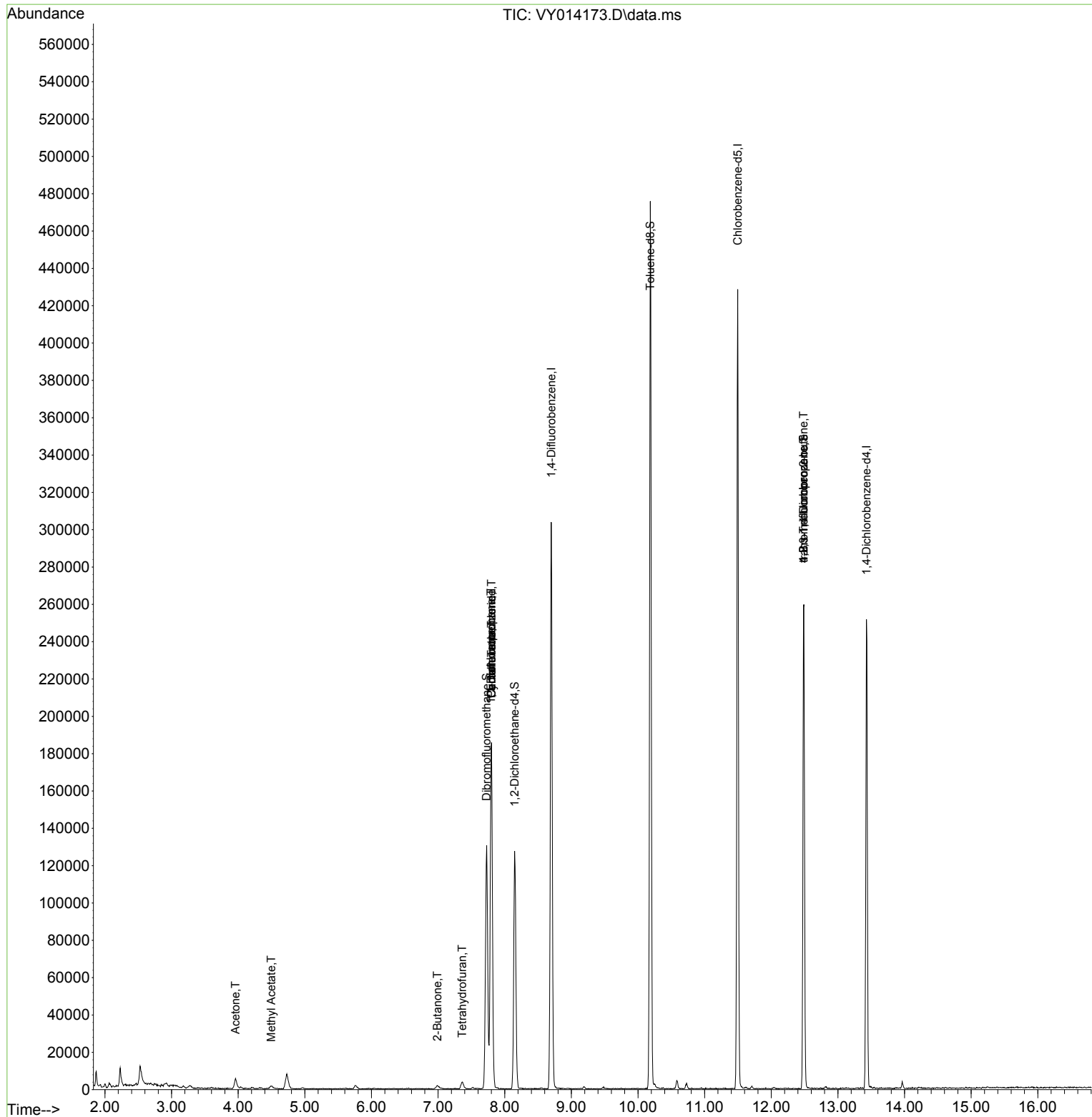
Internal Standards						
1) Pentafluorobenzene	7.801	168	145361	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	250005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	221788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105108	51.926	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.860%	
35) Dibromofluoromethane	7.728	113	86509	48.793	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.580%	
50) Toluene-d8	10.185	98	304088	45.876	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.760%	
62) 4-Bromofluorobenzene	12.483	95	75045	31.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 63.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	771	Below Cal	#	89
16) Acetone	3.960	43	9072	14.868	ug/l	96
18) Methyl Acetate	4.497	43	3229	1.363	ug/l	92
20) Methylene Chloride	4.729	84	5439	Below Cal	#	84
25) 2-Butanone	6.990	43	841	1.120	ug/l	# 49
29) Tetrahydrofuran	7.362	42	2964	6.223	ug/l	96
31) Cyclohexane	7.801	56	3362	1.240	ug/l	# 28
36) 1,1-Dichloropropene	7.795	75	11037	3.993	ug/l	# 51
38) Carbon Tetrachloride	7.801	117	14065	4.409	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	41049	46.894	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	41049	101.367	ug/l	# 11

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

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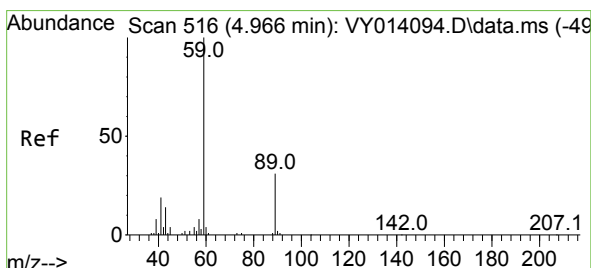
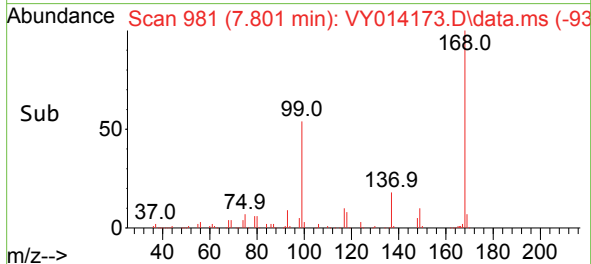
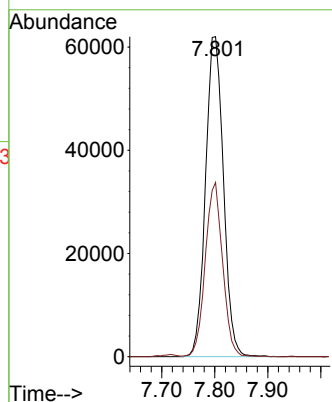
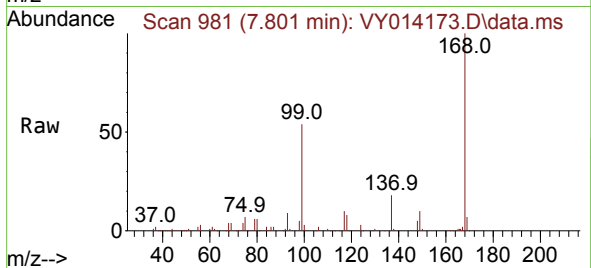




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

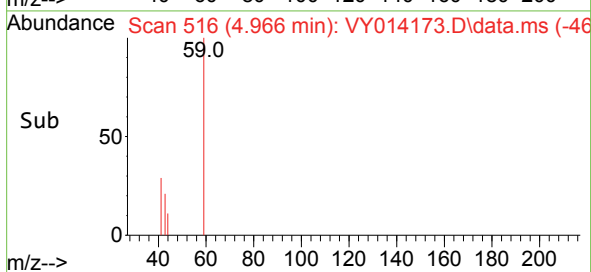
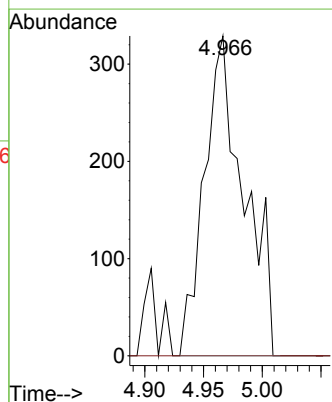
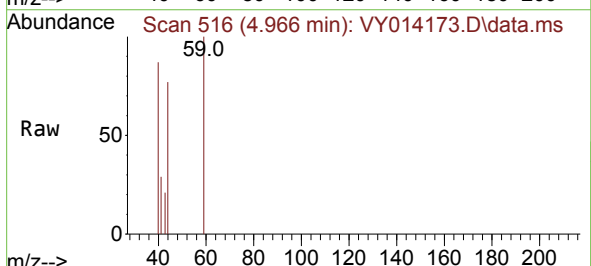
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7

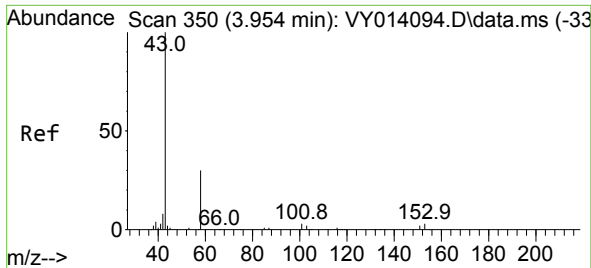
Tgt Ion:168 Resp: 145361
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

Tgt Ion: 59 Resp: 771
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 14.868 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

Instrument :

MSVOA_Y

ClientSampleId :

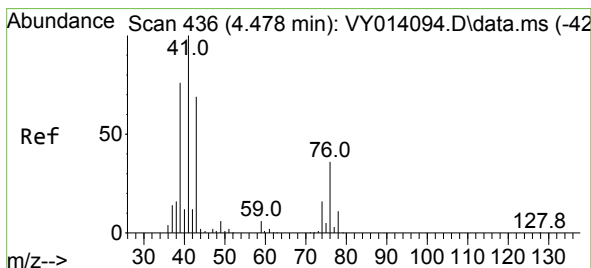
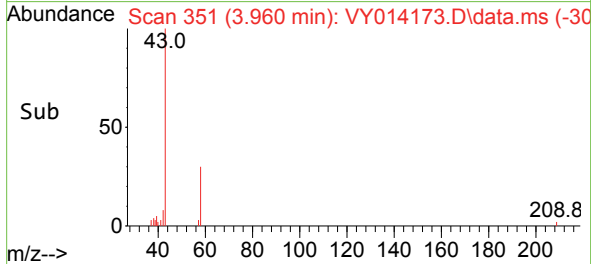
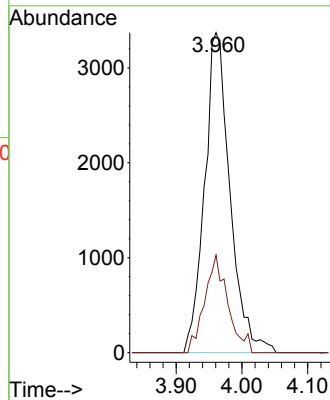
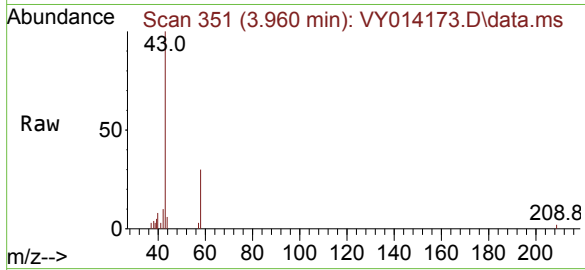
TOTAL-VOC-SB-10-GRAB-7

Tgt Ion: 43 Resp: 9072

Ion Ratio Lower Upper

43 100

58 30.5 22.7 34.1



#18

Methyl Acetate

Concen: 1.363 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.019 min

Lab File: VY014173.D

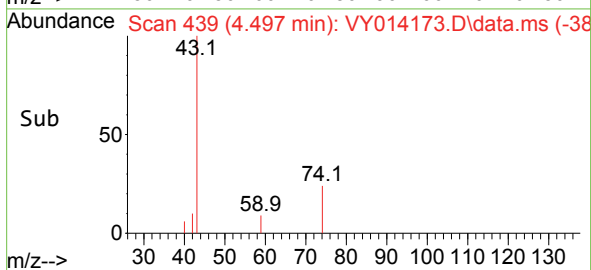
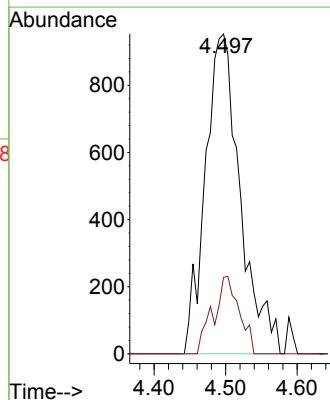
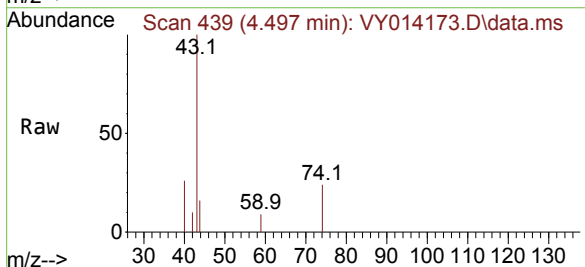
Acq: 14 Jun 2023 22:54

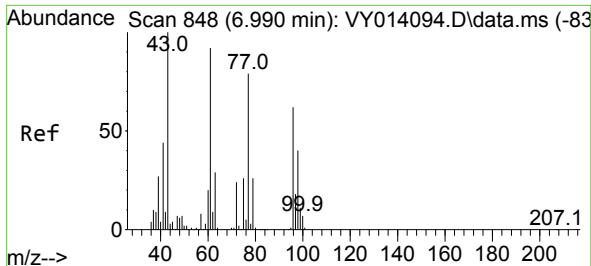
Tgt Ion: 43 Resp: 3229

Ion Ratio Lower Upper

43 100

74 18.0 17.4 26.0

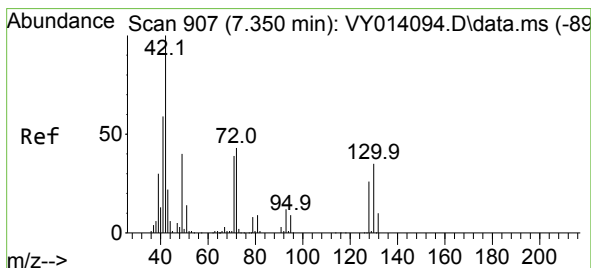
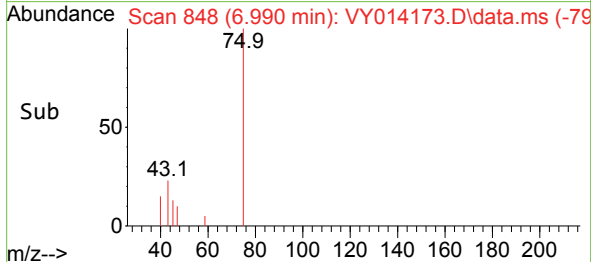
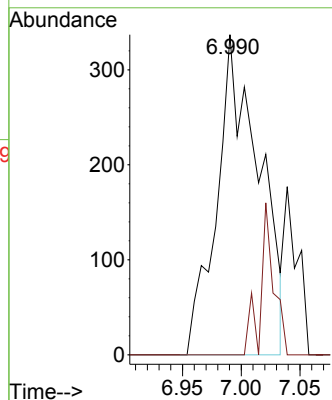
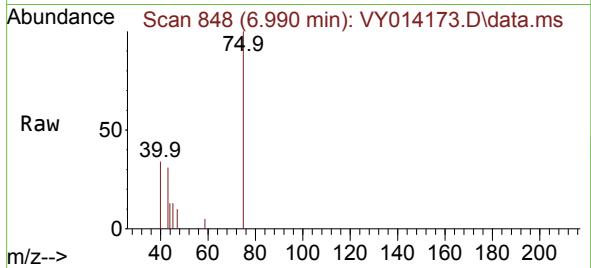




#25
2-Butanone
Concen: 1.120 ug/l
RT: 6.990 min Scan# 841
Delta R.T. 0.000 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

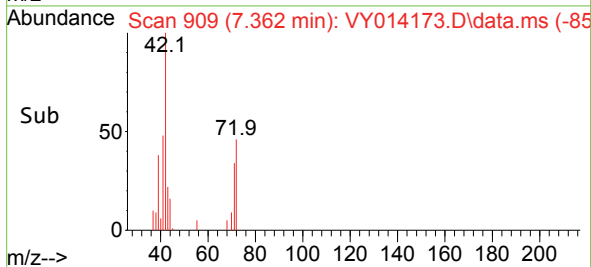
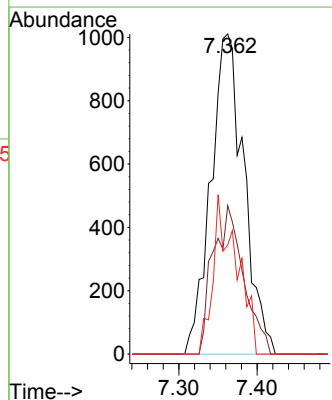
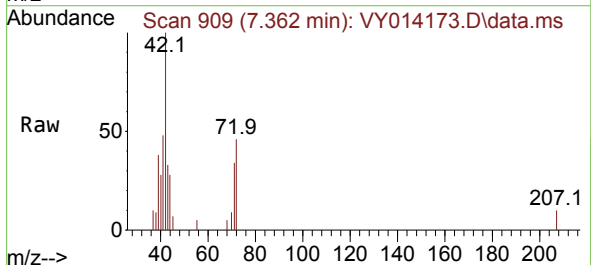
Instrument :
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TOTAL-VOC-SB-10-GRAB-7

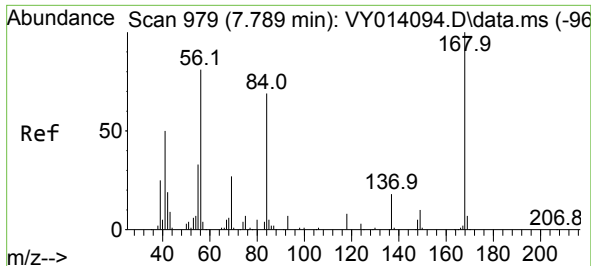
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#29
Tetrahydrofuran
Concen: 6.223 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

Tgt Ion: 42 Resp: 2964
Ion Ratio Lower Upper
42 100
72 42.8 32.8 49.2
71 35.6 31.0 46.4

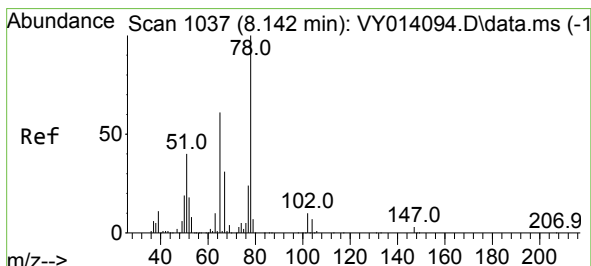
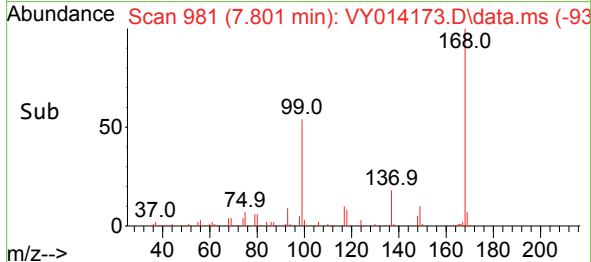
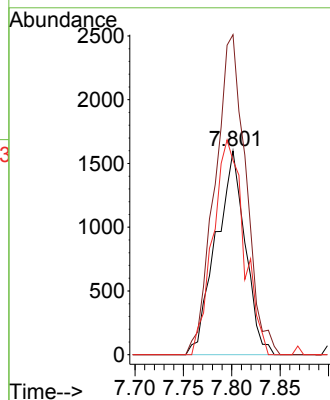
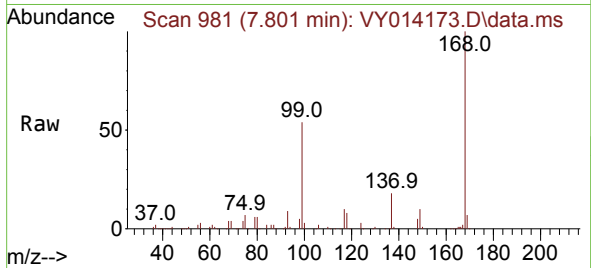




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

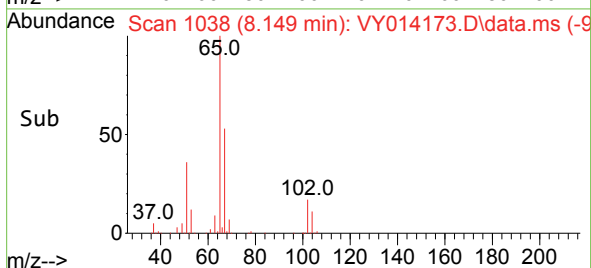
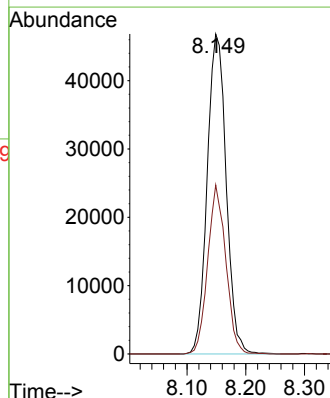
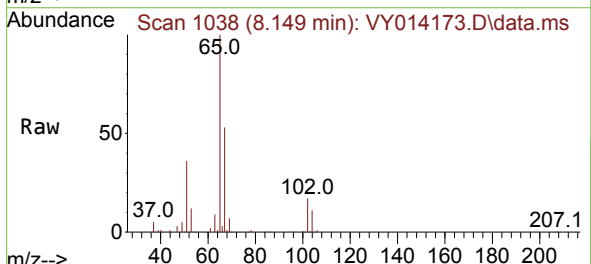
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7

Tgt Ion: 56 Resp: 3362
Ion Ratio Lower Upper
56 100
69 157.1 27.8 41.6#
84 95.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 51.926 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

Tgt Ion: 65 Resp: 105108
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

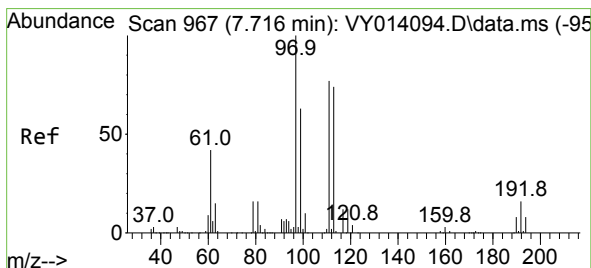
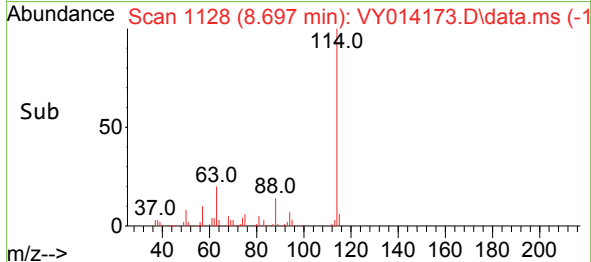
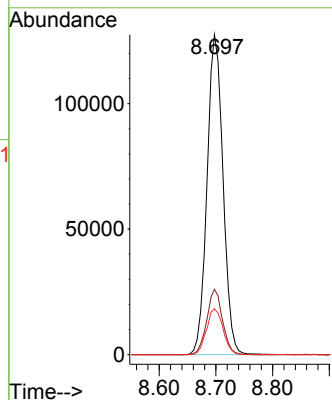
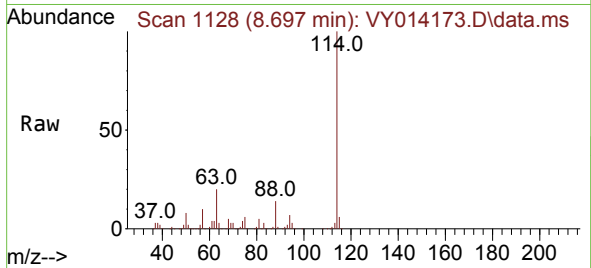




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

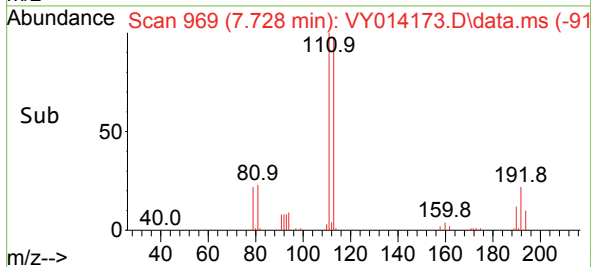
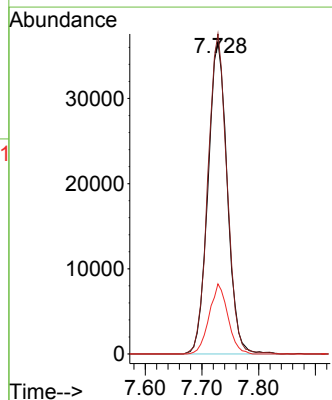
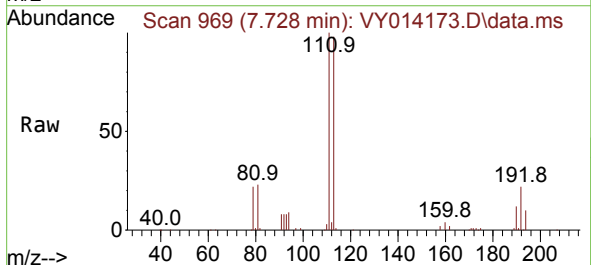
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ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7

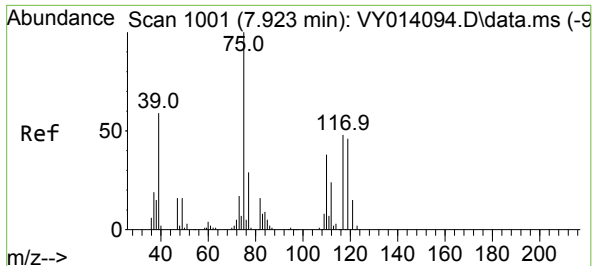
Tgt Ion:114 Resp: 250005
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.793 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014173.D
Acq: 14 Jun 2023 22:54

Tgt Ion:113 Resp: 86509
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 21.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 3.993 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY014173.D

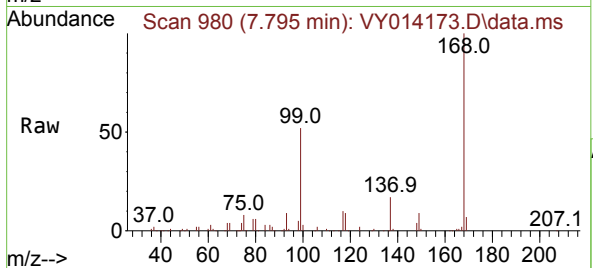
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-7



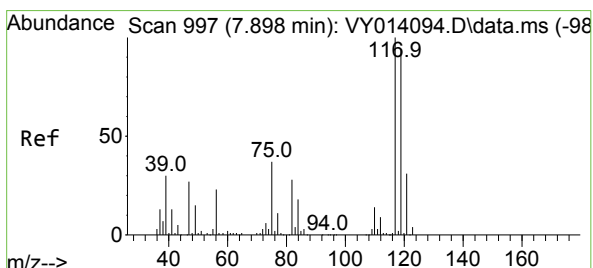
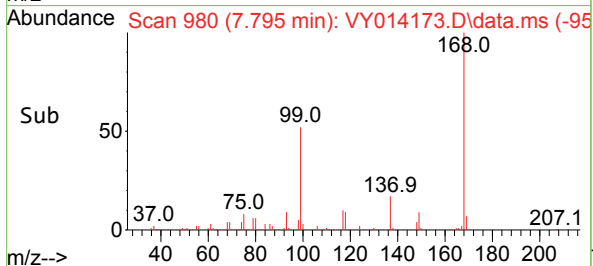
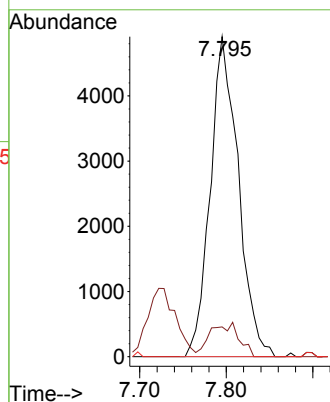
Tgt Ion: 75 Resp: 11037

Ion Ratio Lower Upper

75 100

110 10.9 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.409 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

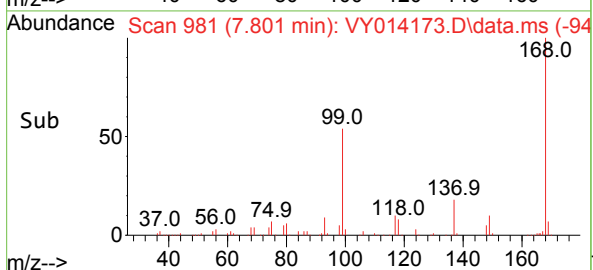
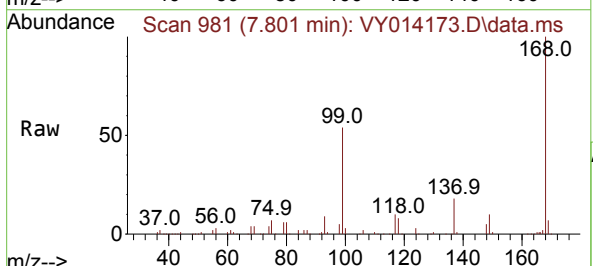
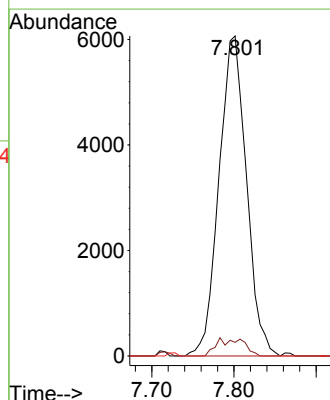
Tgt Ion: 117 Resp: 14065

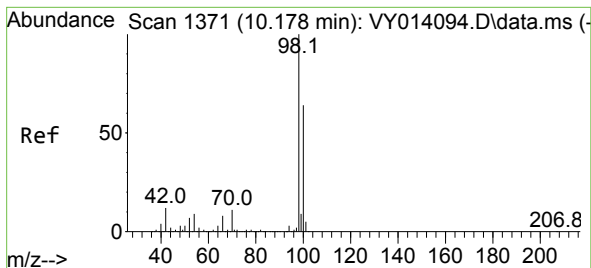
Ion Ratio Lower Upper

117 100

119 4.2 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 45.876 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

Instrument :

MSVOA_Y

ClientSampleId :

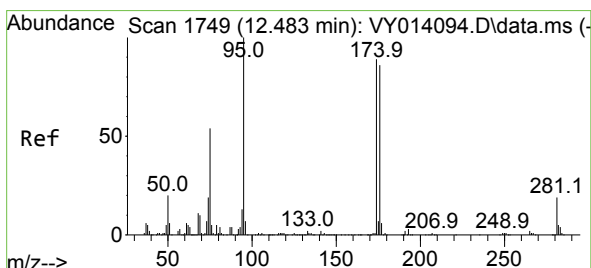
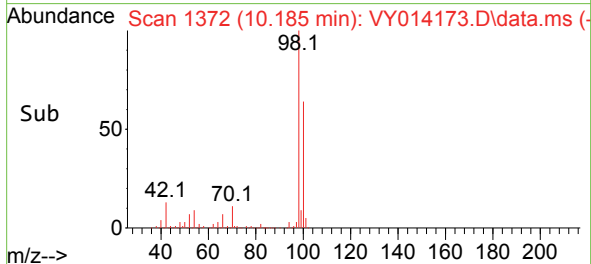
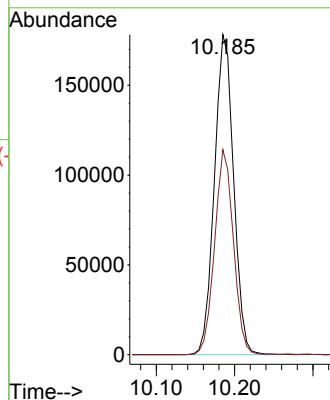
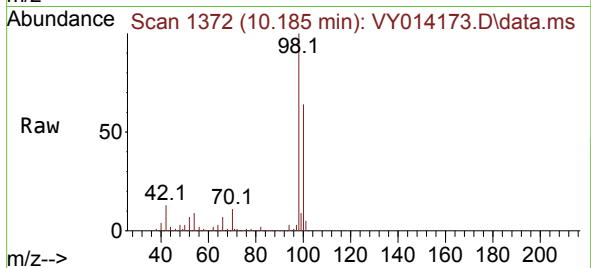
TOTAL-VOC-SB-10-GRAB-7

Tgt Ion: 98 Resp: 304088

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 31.871 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

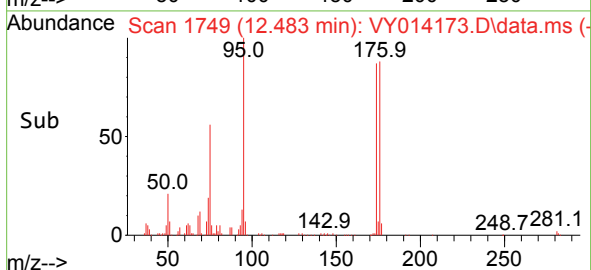
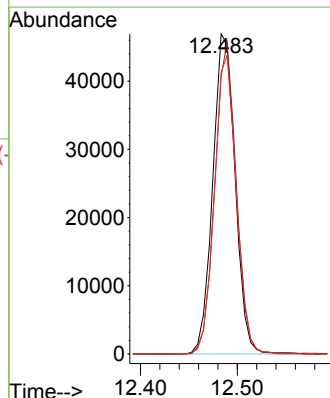
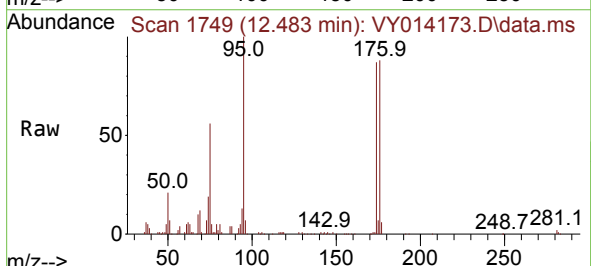
Tgt Ion: 95 Resp: 75045

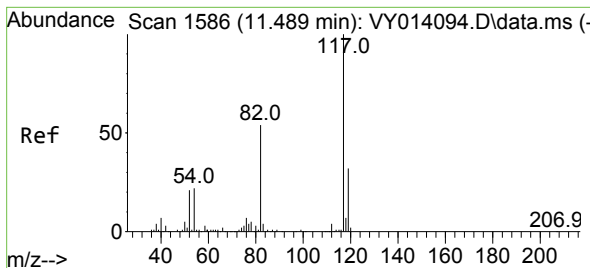
Ion Ratio Lower Upper

95 100

174 93.4 0.0 178.2

176 91.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

Instrument :

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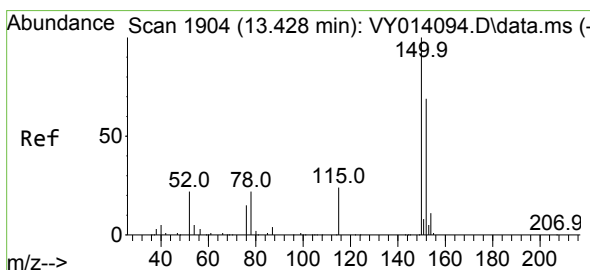
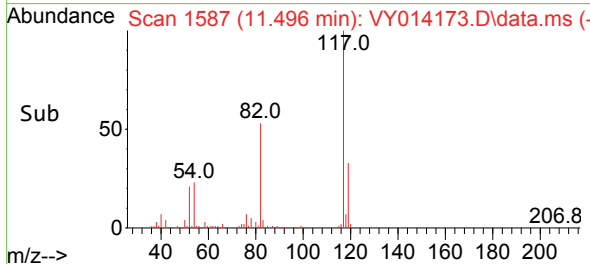
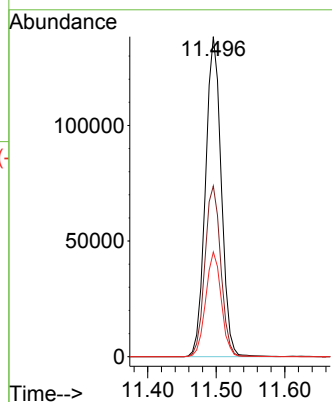
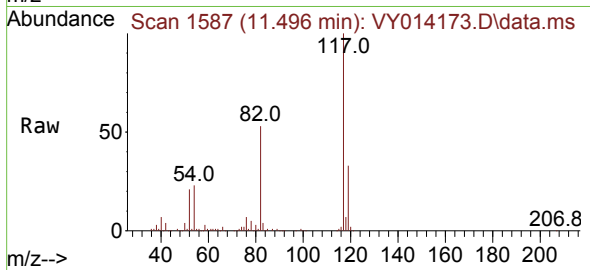
Tgt Ion:117 Resp: 221788

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.7 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: VY014173.D

Acq: 14 Jun 2023 22:54

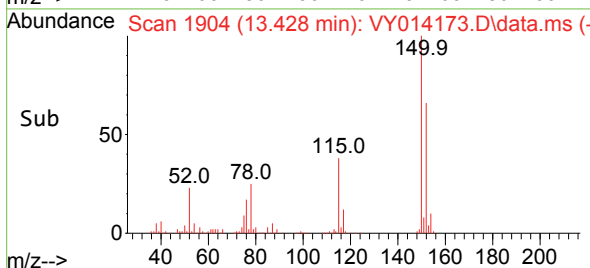
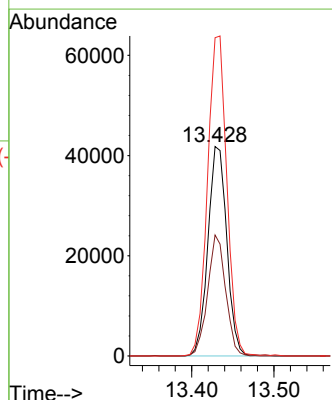
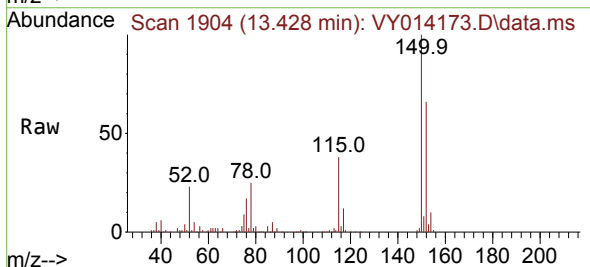
Tgt Ion:152 Resp: 66720

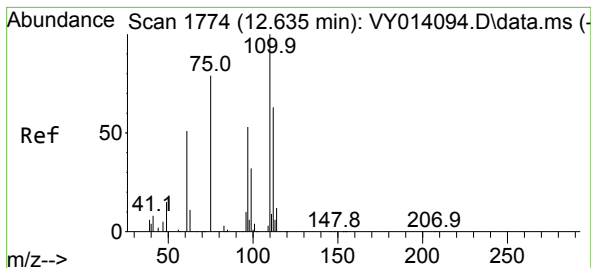
Ion Ratio Lower Upper

152 100

115 55.0 28.8 86.5

150 156.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.894 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

Instrument :

MSVOA_Y

ClientSampleId :

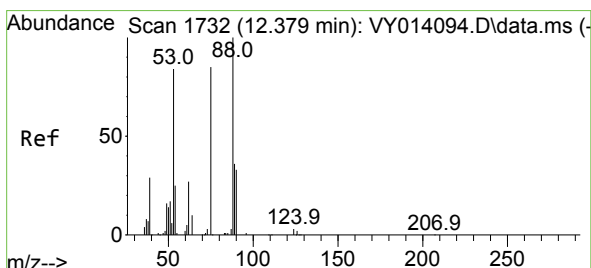
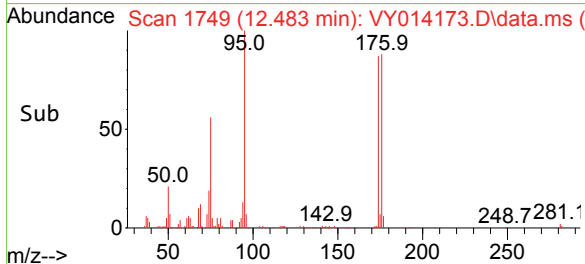
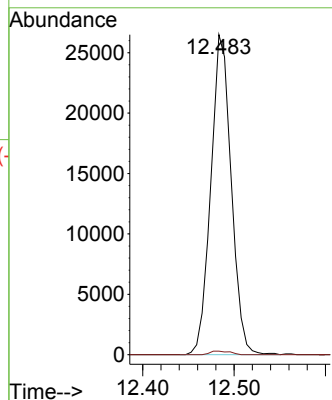
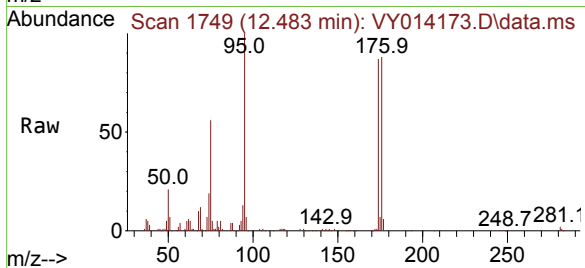
TOTAL-VOC-SB-10-GRAB-7

Tgt Ion: 75 Resp: 41049

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.367 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014173.D

Acq: 14 Jun 2023 22:54

Tgt Ion: 75 Resp: 41049

Ion Ratio Lower Upper

75 100

53 0.1 77.8 116.8#

89 0.1 37.4 56.0#

