

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014164.D
 Acq On : 14 Jun 2023 19:23
 Operator : KP/MD
 Sample : 03223-06
 Misc : 8.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-04-GRAB-7

Quant Time: Jun 15 01:46:09 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)

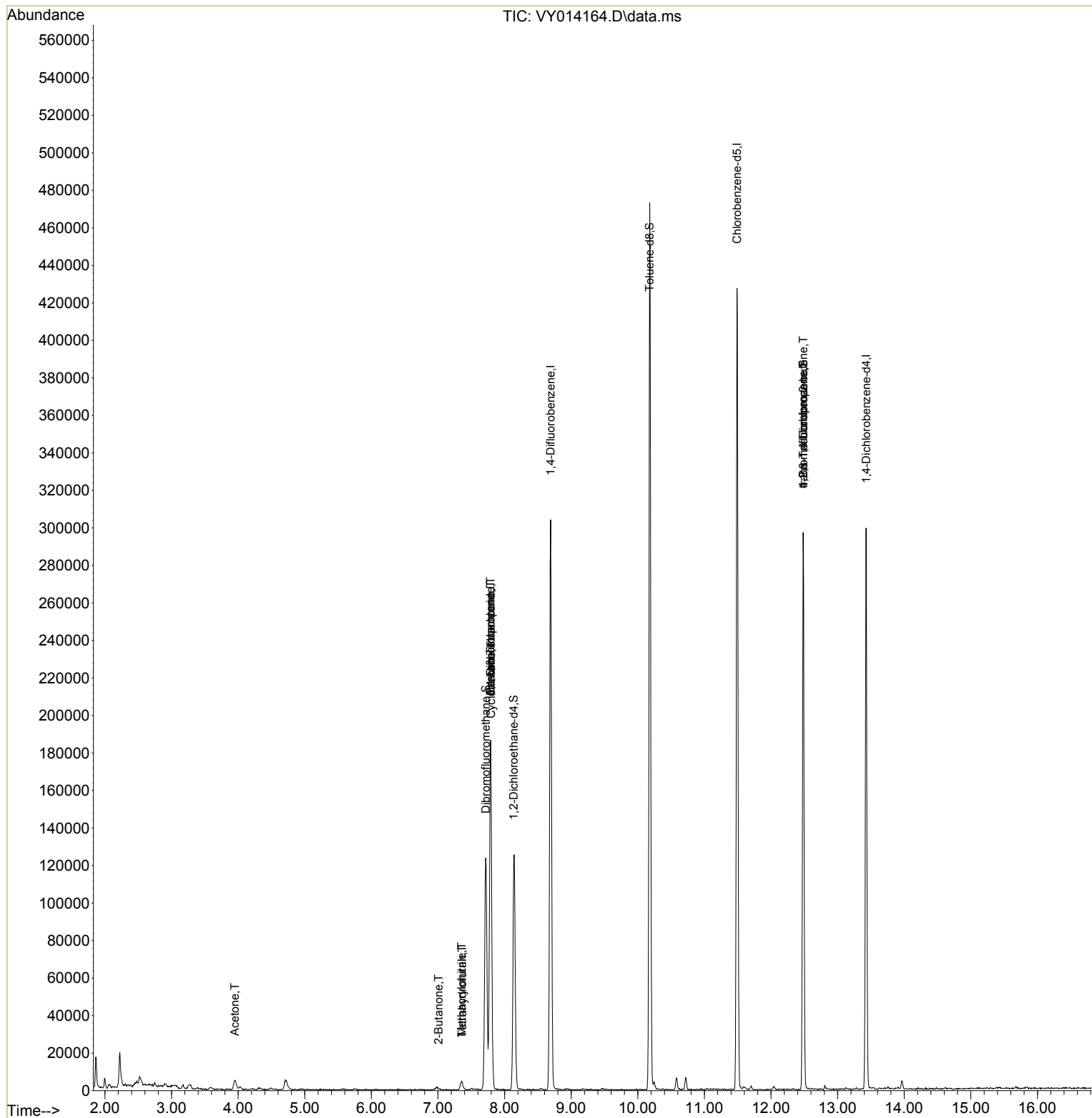
Internal Standards						
1) Pentafluorobenzene	7.789	168	145049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106285	52.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.240%	
35) Dibromofluoromethane	7.716	113	85365	47.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.980%	
50) Toluene-d8	10.179	98	304024	45.714	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.420%	
62) 4-Bromofluorobenzene	12.483	95	83106	35.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	288	Below Cal	#	90
16) Acetone	3.948	43	8857	14.547	ug/l	93
20) Methylene Chloride	4.716	84	3682	Below Cal	#	87
25) 2-Butanone	7.008	43	1210	1.615	ug/l	# 49
29) Tetrahydrofuran	7.362	42	3517	7.401	ug/l	95
31) Cyclohexane	7.795	56	3350	1.238	ug/l	# 36
36) 1,1-Dichloropropene	7.789	75	11096	4.001	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	13760	4.300	ug/l	# 16
41) Methacrylonitrile	7.356	41	2091	2.141	ug/l	# 46
76) 1,2,3-Trichloropropane	12.483	75	44206	45.157	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	44206	97.613	ug/l	# 11

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

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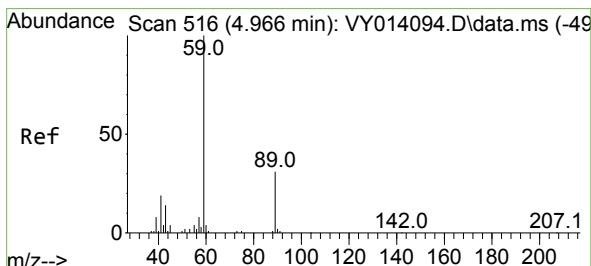
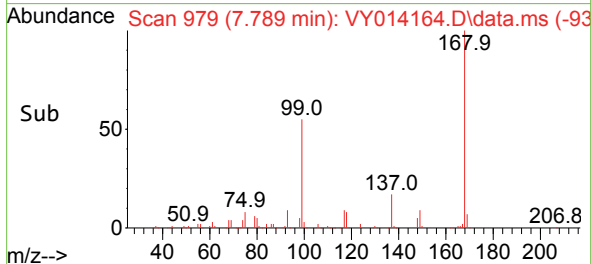
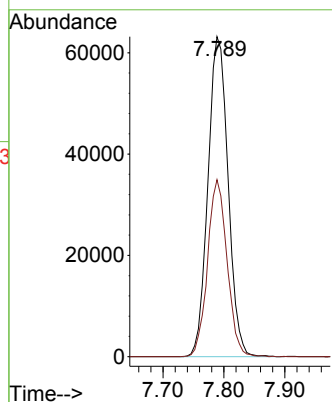
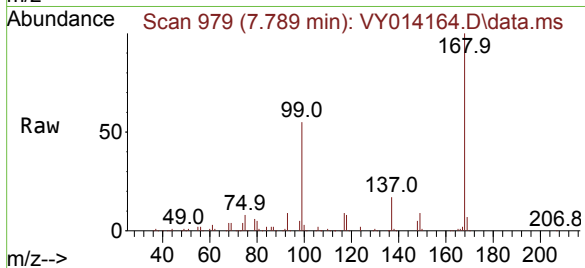




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

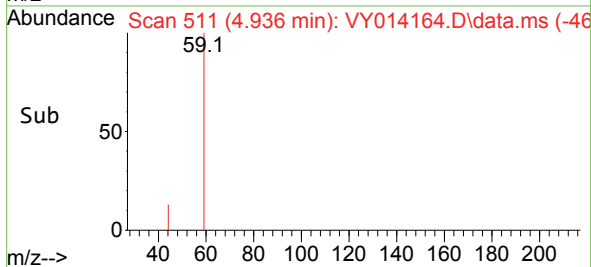
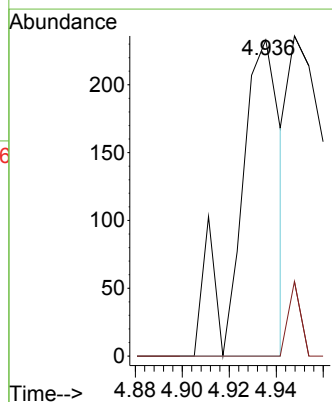
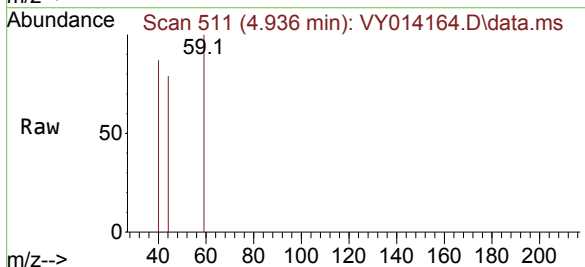
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

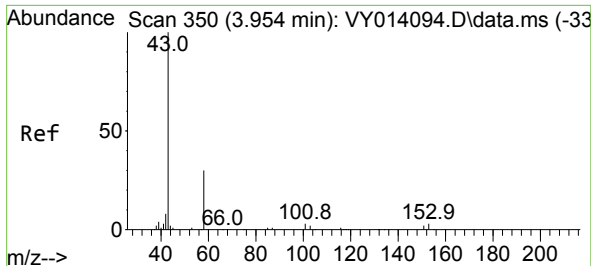
Tgt Ion:168 Resp: 145049
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 6.9 3.0 4.4#





#16

Acetone

Concen: 14.547 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014164.D

Acq: 14 Jun 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

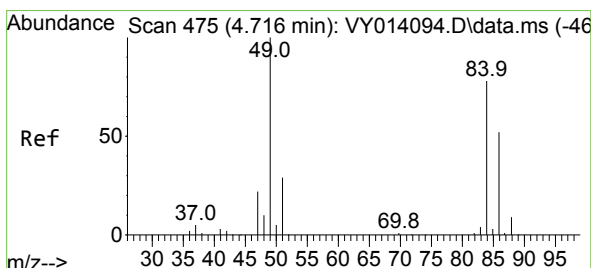
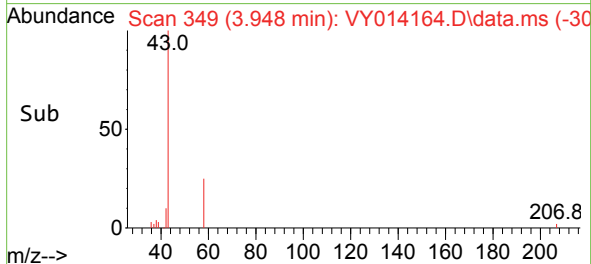
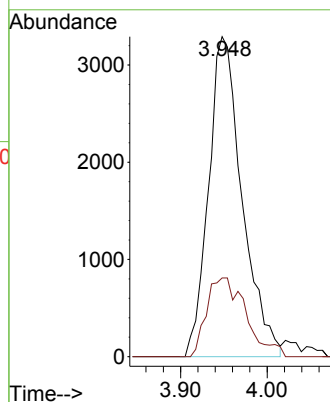
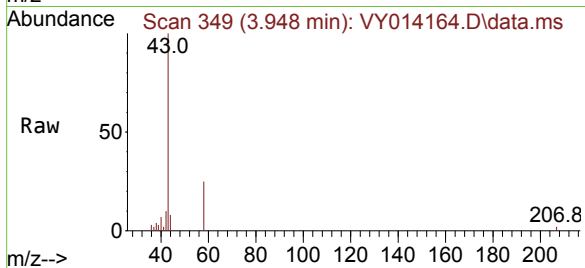
TOTAL-VOC-SB-04-GRAB-7

Tgt Ion: 43 Resp: 8857

Ion Ratio Lower Upper

43 100

58 24.6 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014164.D

Acq: 14 Jun 2023 19:23

Tgt Ion: 84 Resp: 3682

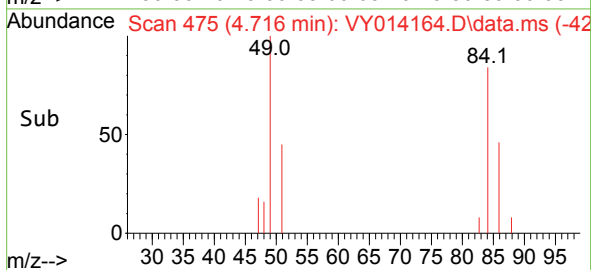
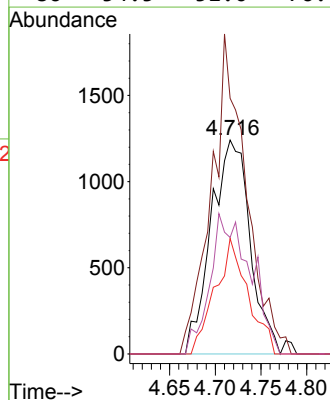
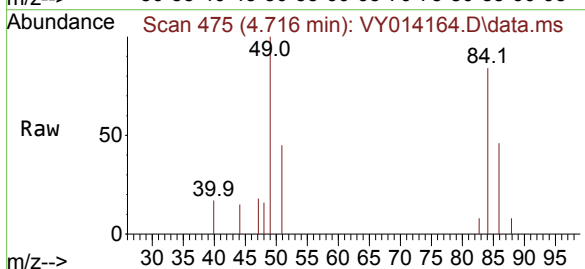
Ion Ratio Lower Upper

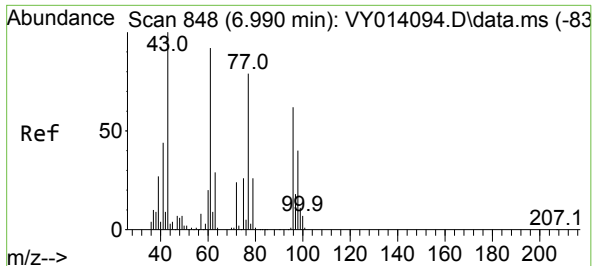
84 100

49 119.6 106.9 160.3

51 54.0 33.2 49.8#

86 54.5 51.0 76.6

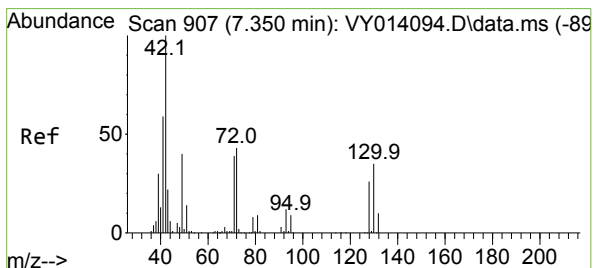
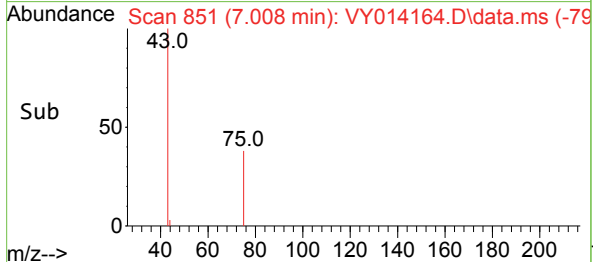
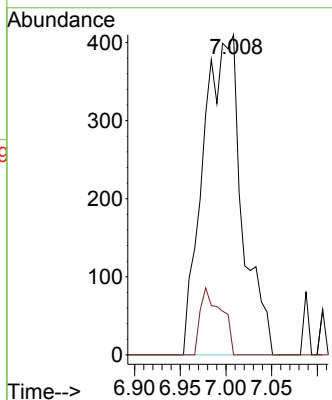
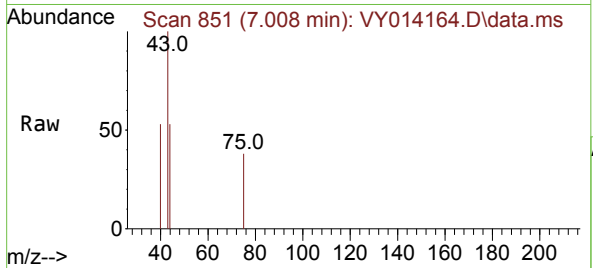




#25
2-Butanone
Concen: 1.615 ug/l
RT: 7.008 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

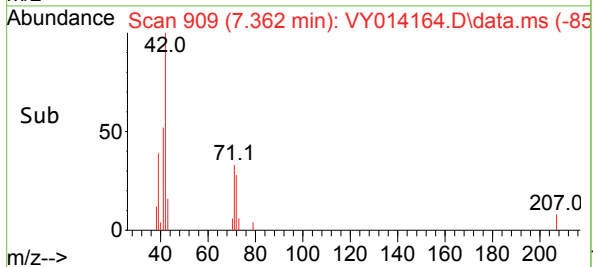
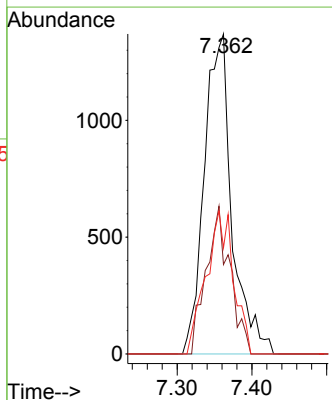
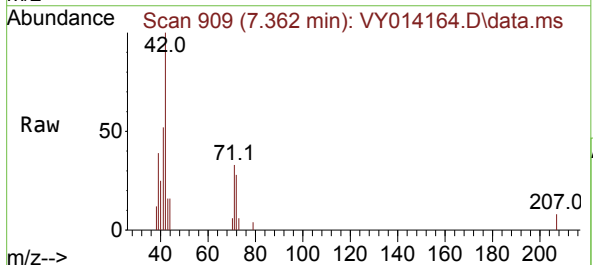
Instrument :
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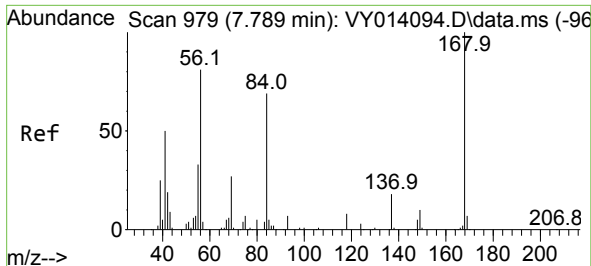
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#29
Tetrahydrofuran
Concen: 7.401 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion: 42 Resp: 3517
Ion Ratio Lower Upper
42 100
72 39.9 32.8 49.2
71 44.2 31.0 46.4

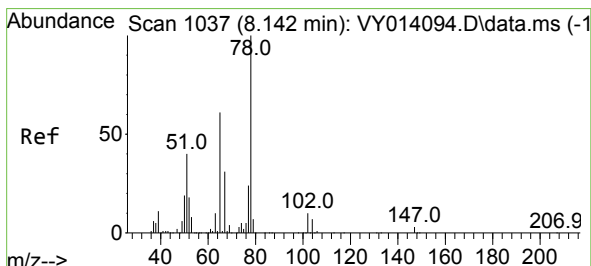
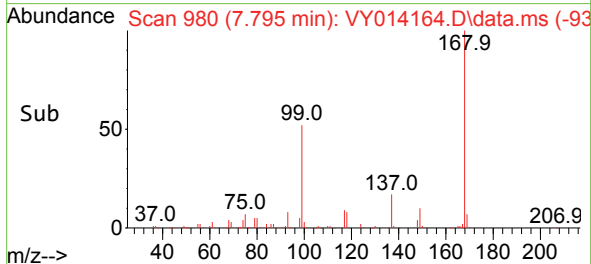
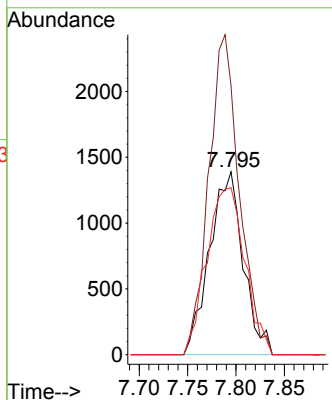
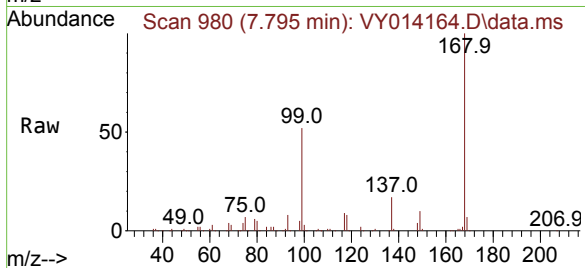




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

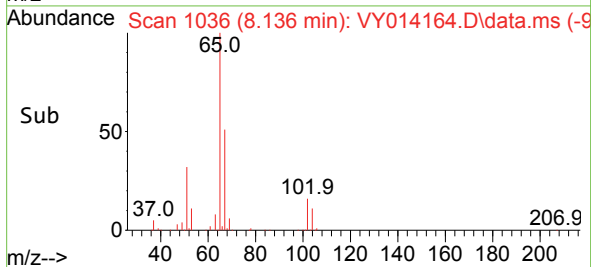
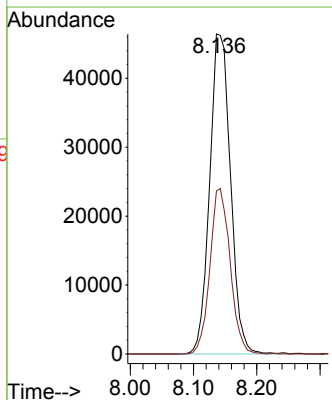
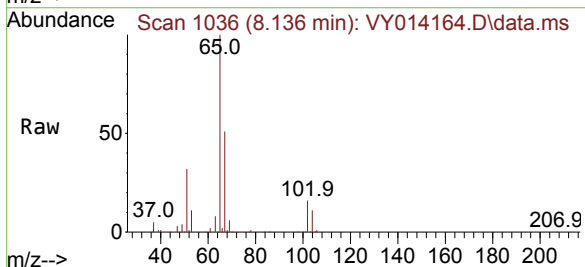
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

Tgt Ion: 56 Resp: 3350
Ion Ratio Lower Upper
56 100
69 147.3 27.8 41.6#
84 91.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.621 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion: 65 Resp: 106285
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

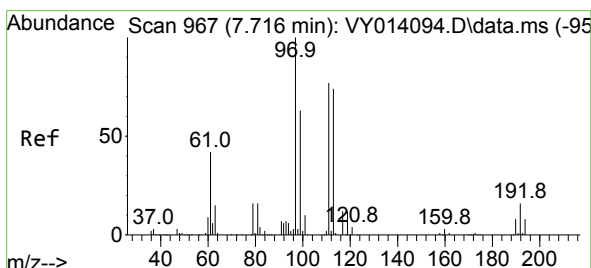
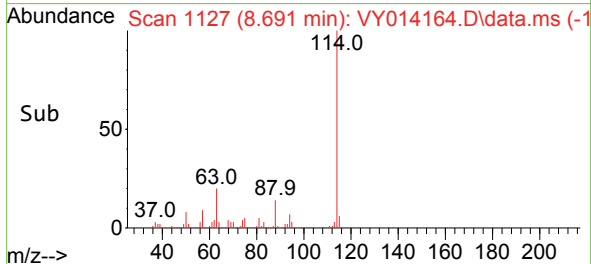
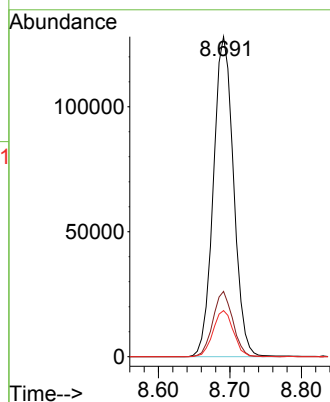
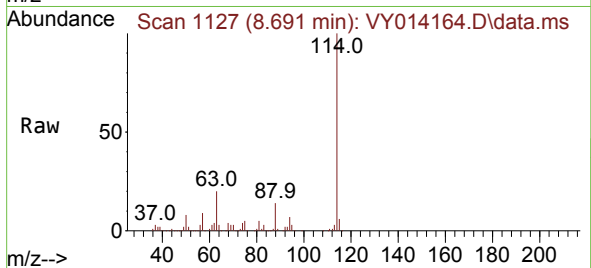




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

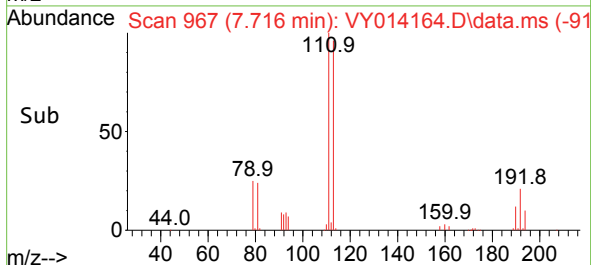
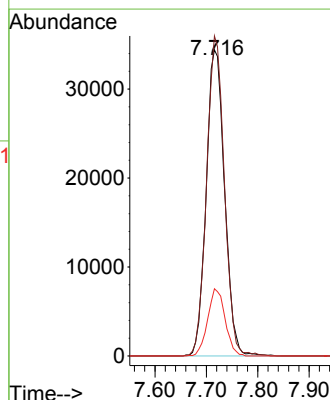
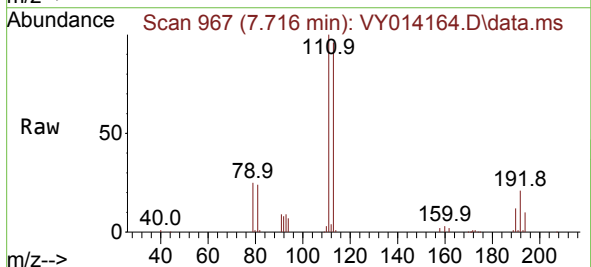
Instrument :
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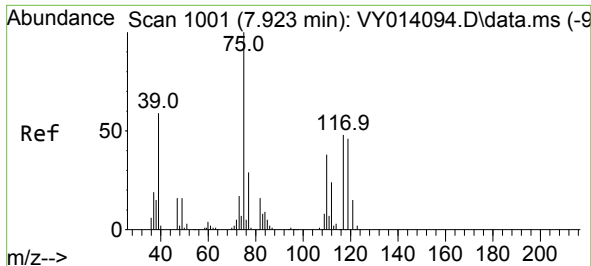
Tgt Ion:	114	Resp:	250839
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	42.4
88	14.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 47.988 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion:	113	Resp:	85365
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.3	121.9
192	20.9	16.9	25.3

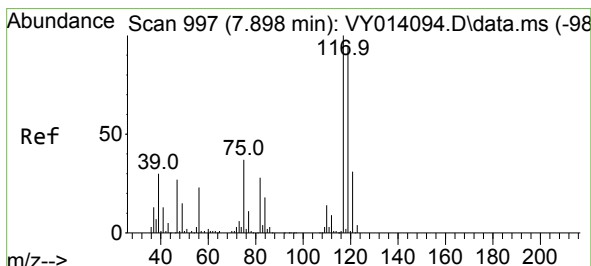
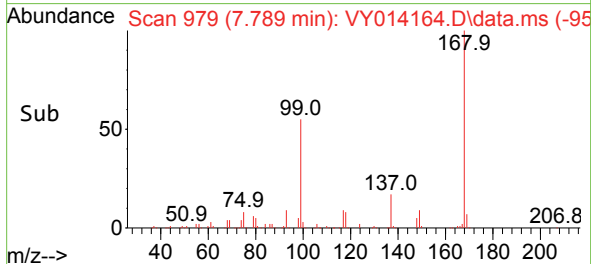
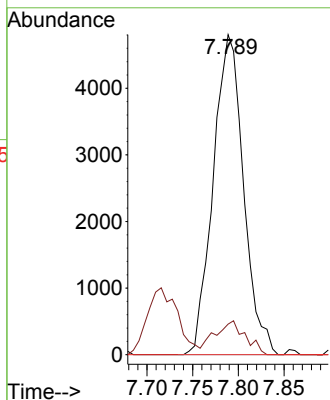
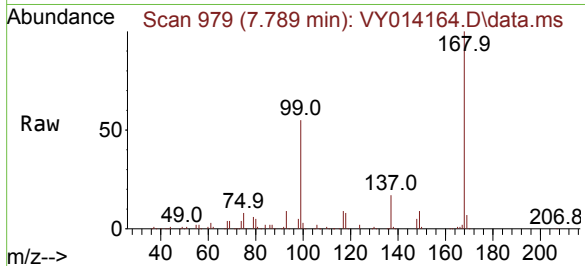




#36
 1,1-Dichloropropene
 Concen: 4.001 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014164.D
 Acq: 14 Jun 2023 19:23

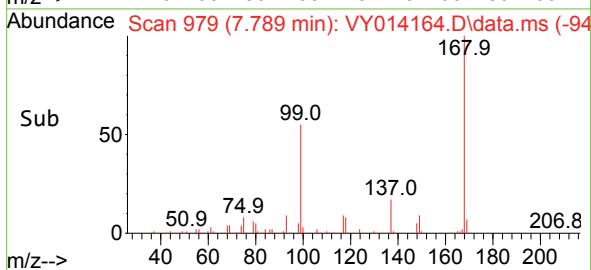
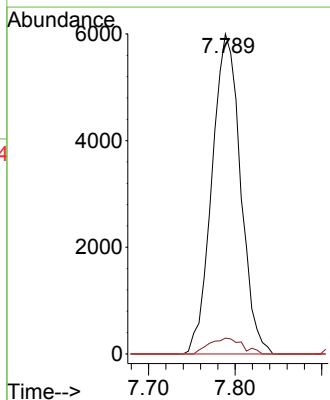
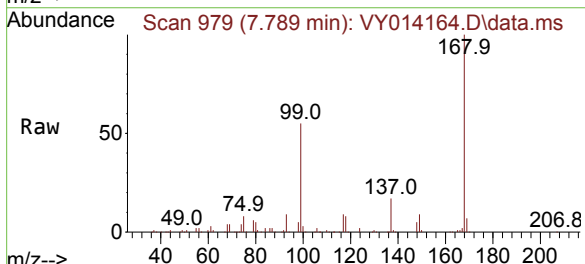
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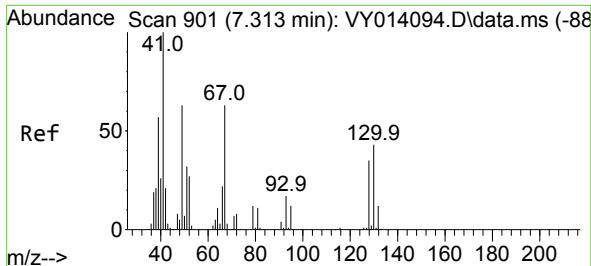
Tgt Ion: 75 Resp: 11096
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.300 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.109 min
 Lab File: VY014164.D
 Acq: 14 Jun 2023 19:23

Tgt Ion: 117 Resp: 13760
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.4 114.6#
 121 0.0 25.8 38.6#

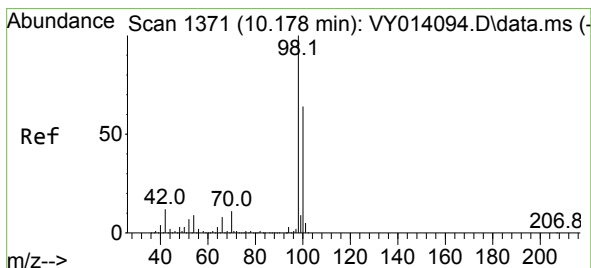
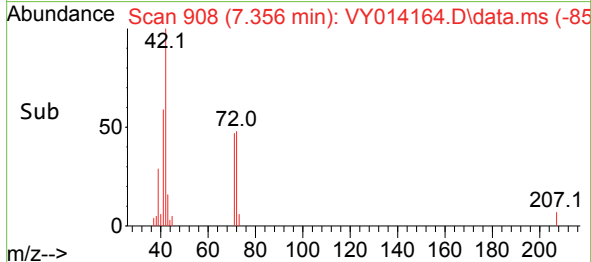
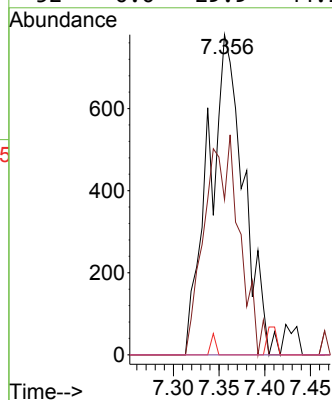
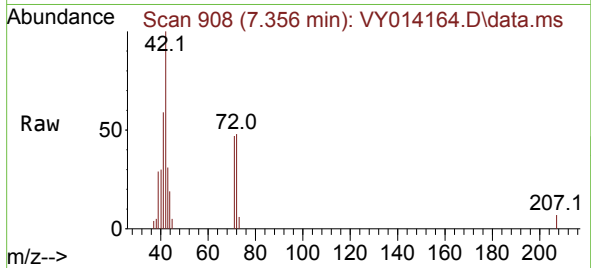




#41
Methacrylonitrile
Concen: 2.141 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

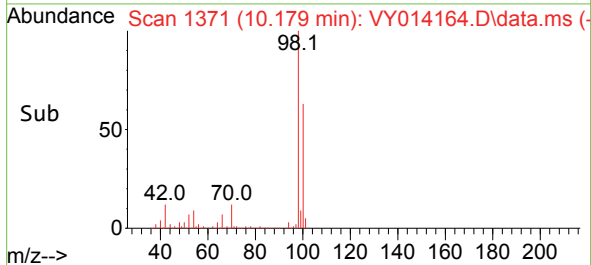
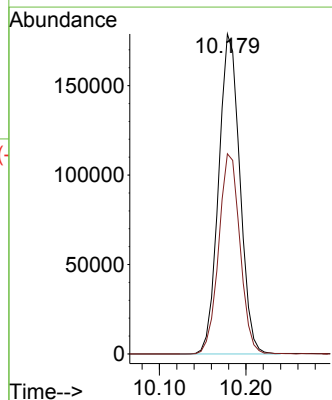
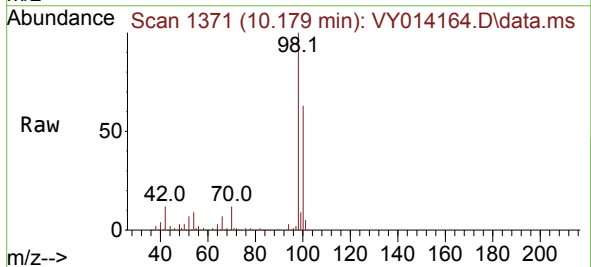
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

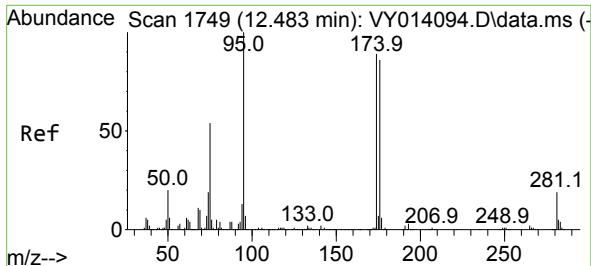
Tgt Ion:	41	Resp:	2091
Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.1	78.1
67	0.9	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 45.714 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion:	98	Resp:	304024
Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.1	75.1

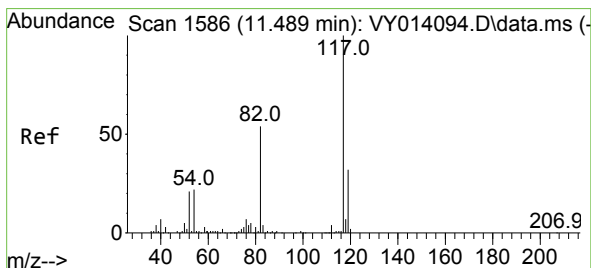
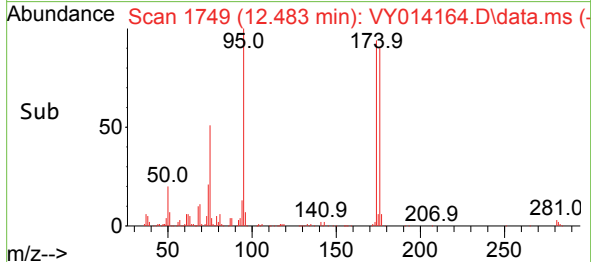
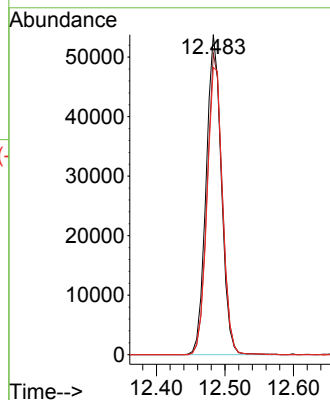
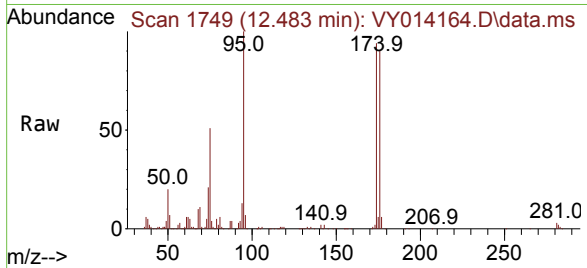




#62
4-Bromofluorobenzene
Concen: 35.177 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

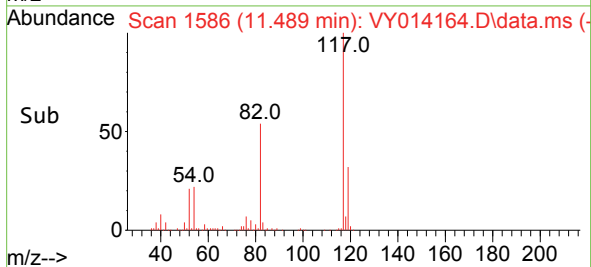
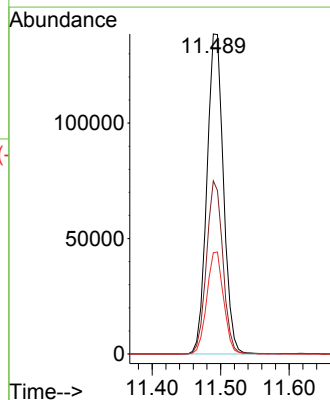
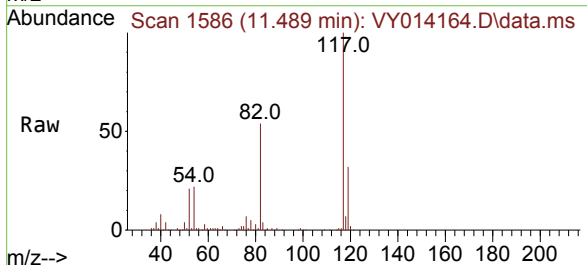
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

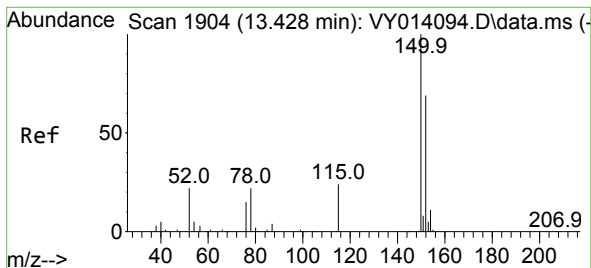
Tgt Ion: 95 Resp: 83106
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 91.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014164.D
Acq: 14 Jun 2023 19:23

Tgt Ion: 117 Resp: 232832
Ion Ratio Lower Upper
117 100
82 54.1 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: VY014164.D

Acq: 14 Jun 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-04-GRAB-7

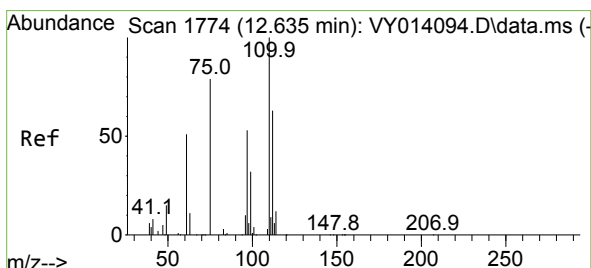
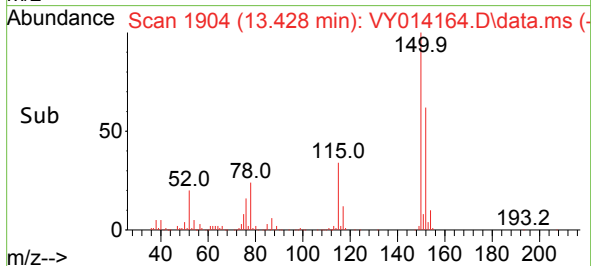
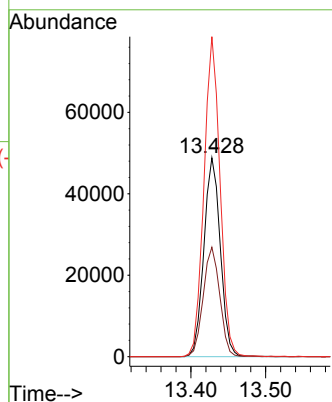
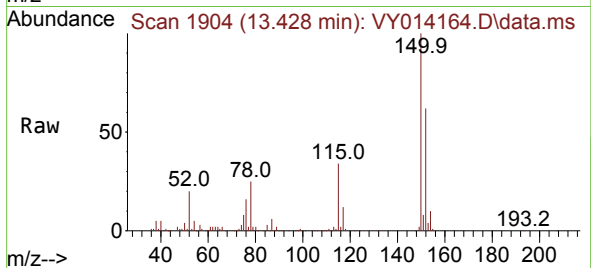
Tgt Ion:152 Resp: 74615

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 157.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 45.157 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014164.D

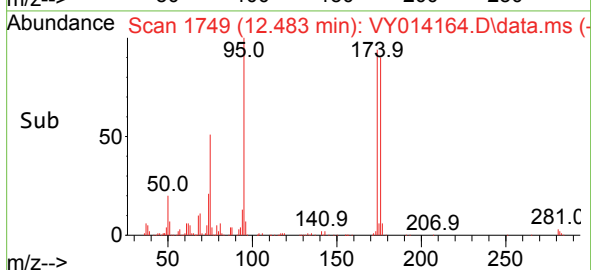
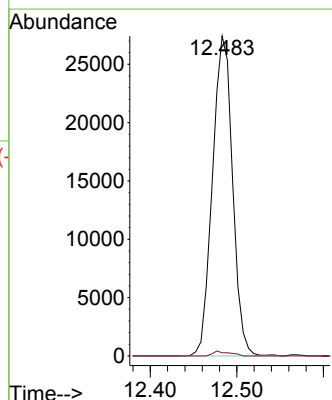
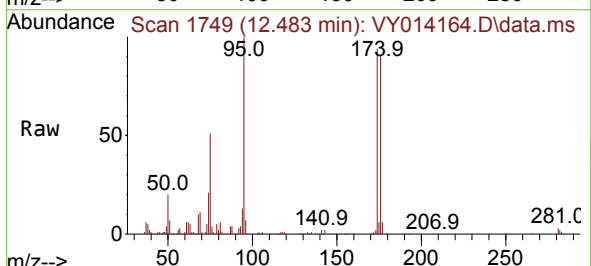
Acq: 14 Jun 2023 19:23

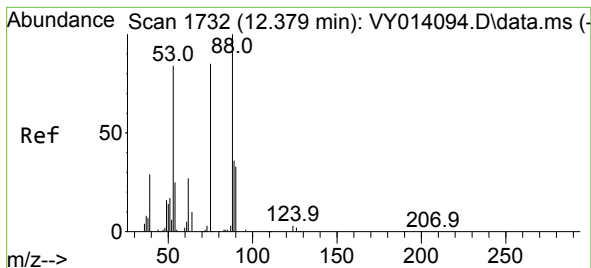
Tgt Ion: 75 Resp: 44206

Ion Ratio Lower Upper

75 100

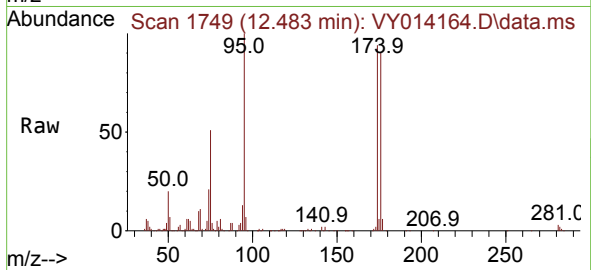
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.613 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014164.D
 Acq: 14 Jun 2023 19:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-04-GRAB-7



Tgt Ion: 75 Resp: 44206
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.1 37.4 56.0#

