

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014384.D
 Acq On : 22 Jun 2023 17:12
 Operator : KP/MD
 Sample : 03256-25RE
 Misc : 12.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-5-4-10WRE

Quant Time: Jun 23 05:00:30 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)

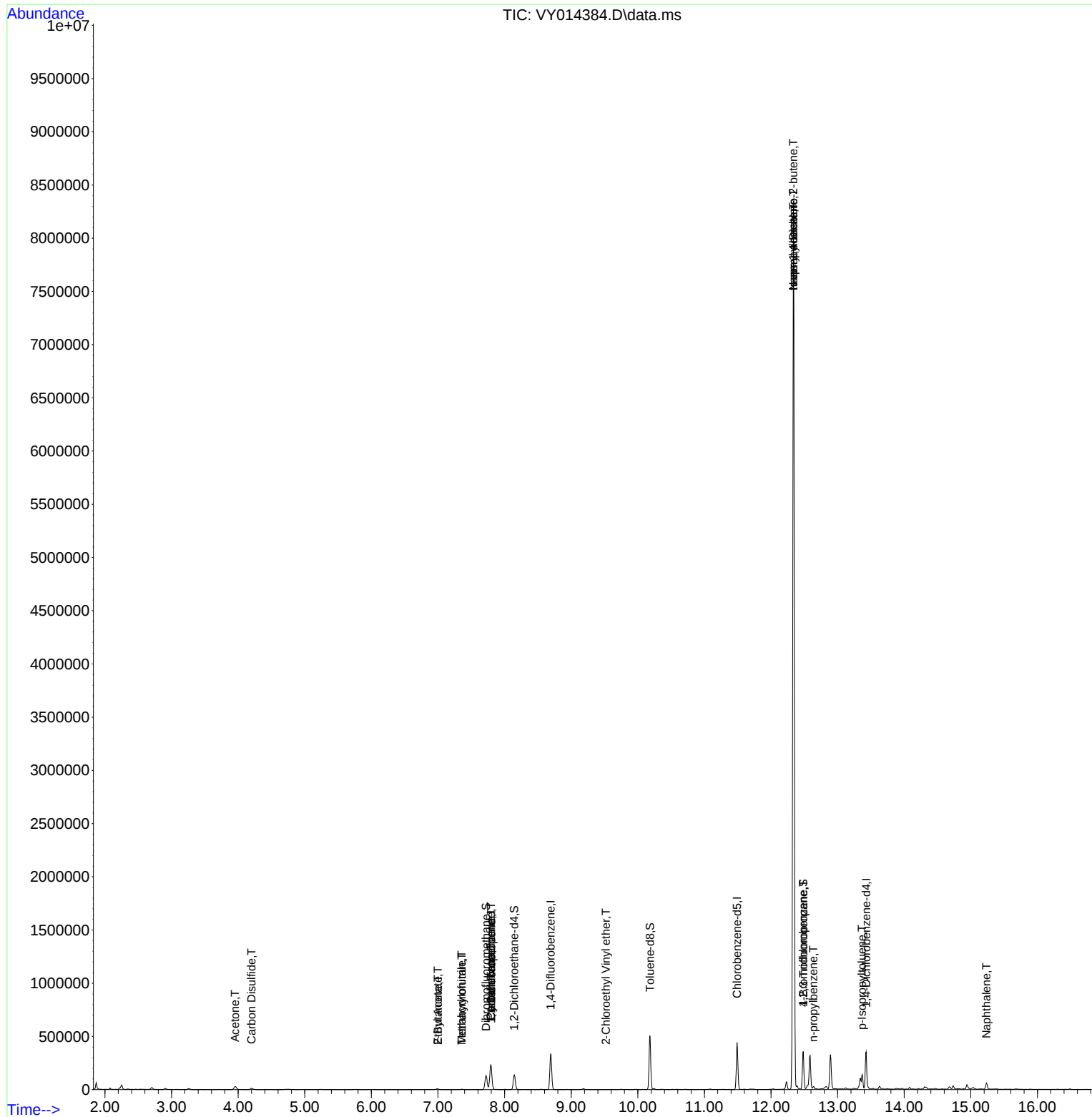
Internal Standards						
1) Pentafluorobenzene	7.795	168	181375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	237020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	116948	46.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.600%
35) Dibromofluoromethane	7.722	113	88599	44.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.220%
50) Toluene-d8	10.185	98	332757	44.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.640%
62) 4-Bromofluorobenzene	12.483	95	98872	37.489	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1669	Below Cal	#	94
13) Acrolein	3.735	56	174	Below Cal	#	14
16) Acetone	3.954	43	52183	68.543	ug/l	98
17) Carbon Disulfide	4.198	76	24370	3.632	ug/l	97
20) Methylene Chloride	4.722	84	1753	Below Cal	#	64
25) 2-Butanone	6.996	43	4988	5.323	ug/l	95
29) Tetrahydrofuran	7.356	42	2708	4.557	ug/l	95
31) Cyclohexane	7.795	56	5670	1.676	ug/l	# 52
36) 1,1-Dichloropropene	7.801	75	13208	4.266	ug/l	# 52
37) Ethyl Acetate	6.996	43	4988	2.335	ug/l	# 71
38) Carbon Tetrachloride	7.795	117	17707	4.956	ug/l	# 16
41) Methacrylonitrile	7.356	41	1820	1.669	ug/l	# 43
58) 2-Chloroethyl Vinyl ether	9.520	63	26	28.639	ug/l	# 48
73) Isopropylbenzene	12.337	105	328664	47.893	ug/l	# 59
74) N-amyl acetate	12.337	43	158124	72.711	ug/l	# 14
76) 1,2,3-Trichloropropane	12.483	75	56563	47.926	ug/l	# 100
78) n-propylbenzene	12.636	91	9623	1.148	ug/l	# 57
81) trans-1,4-Dichloro-2-b...	12.337	75	11793	21.599	ug/l	# 1
86) p-Isopropyltoluene	13.367	119	71714	11.542	ug/l	90
95) Naphthalene	15.233	128	48564	12.211	ug/l	97

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

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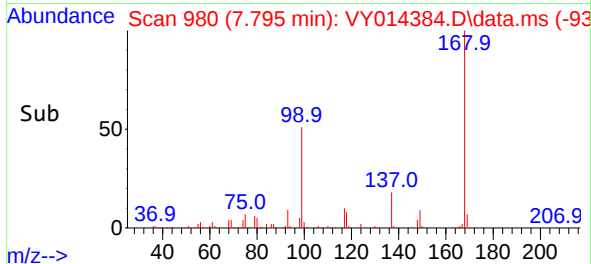
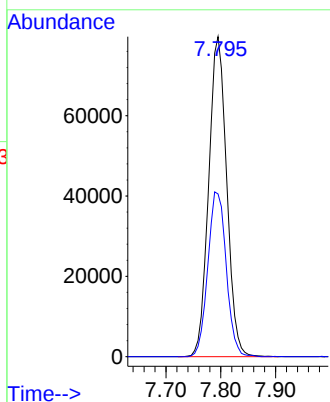
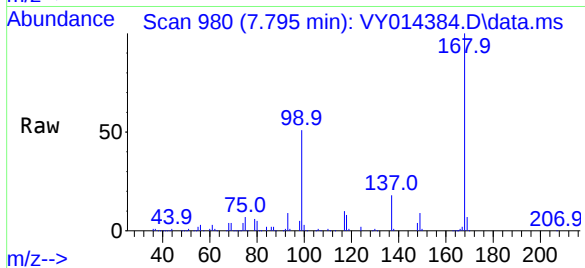




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

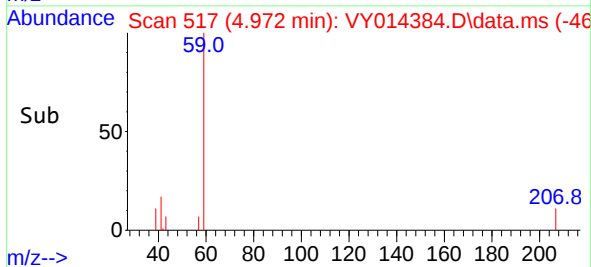
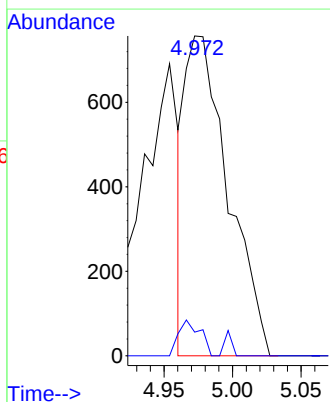
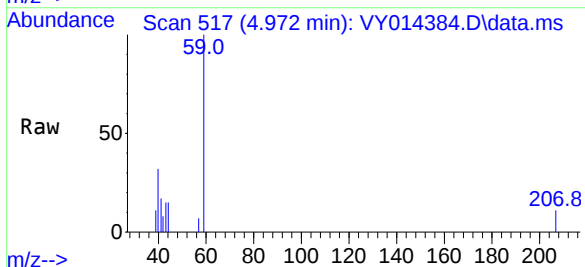
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

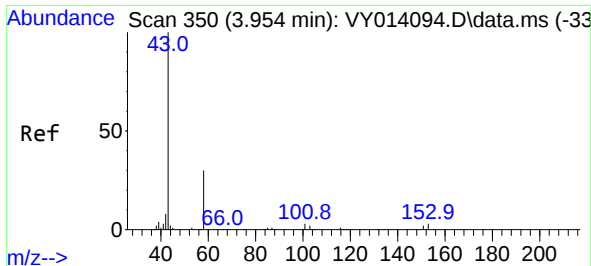
Tgt Ion:168 Resp: 181375
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 59 Resp: 1669
Ion Ratio Lower Upper
59 100
57 5.6 3.0 4.4#

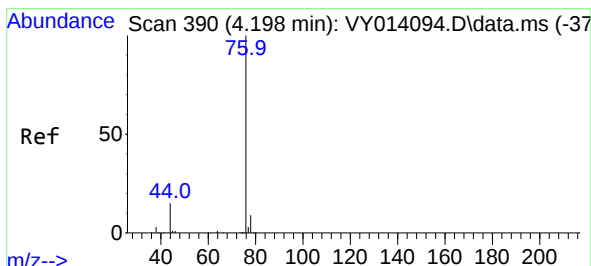
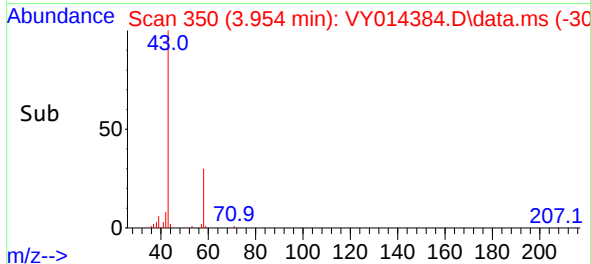
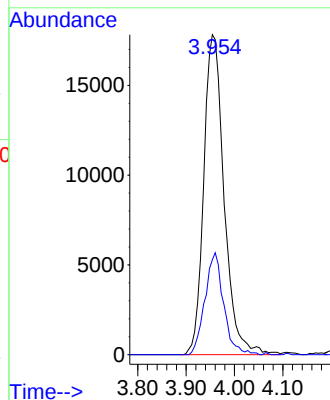
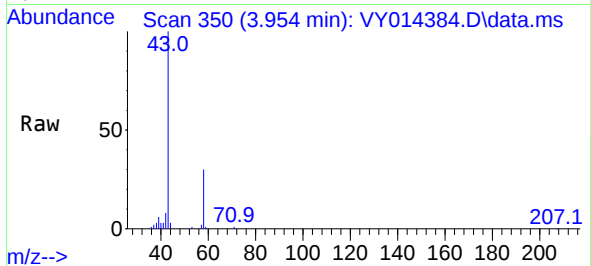




#16
Acetone
Concen: 68.543 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

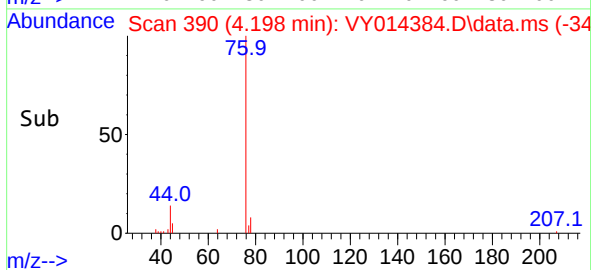
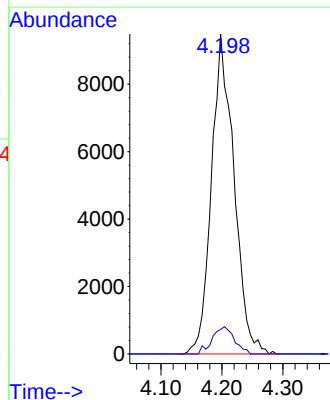
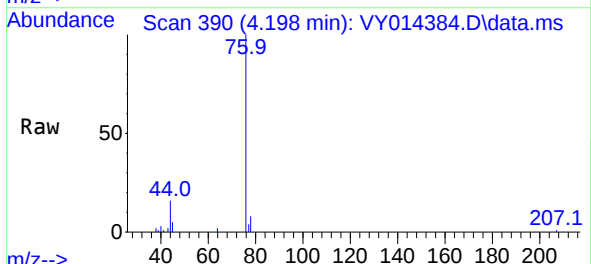
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

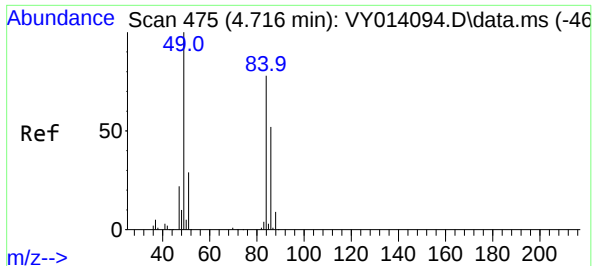
Tgt Ion: 43 Resp: 52183
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



#17
Carbon Disulfide
Concen: 3.632 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

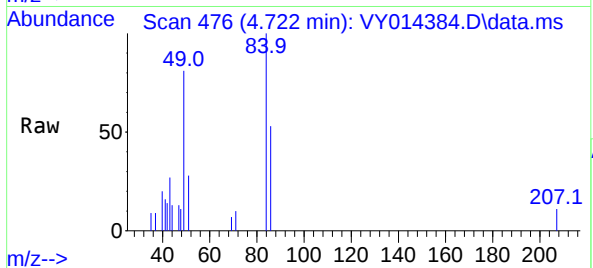
Tgt Ion: 76 Resp: 24370
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.4



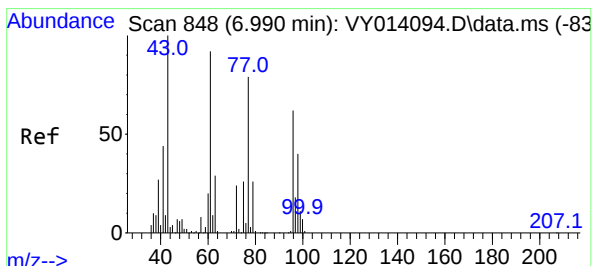
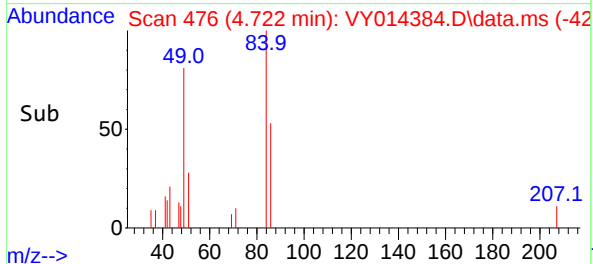
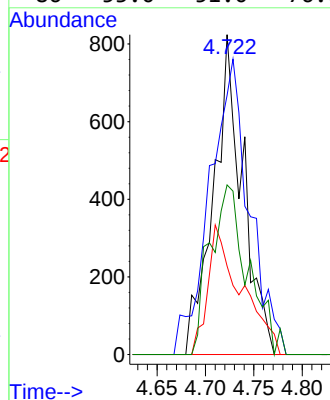


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

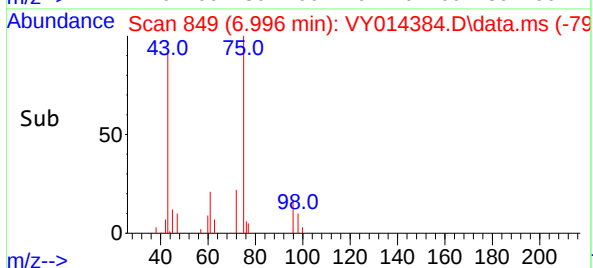
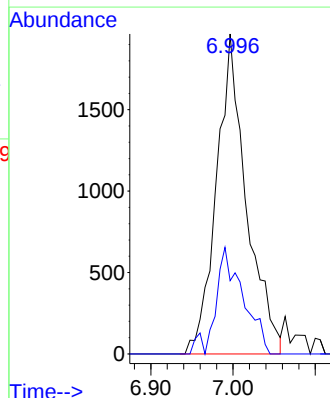
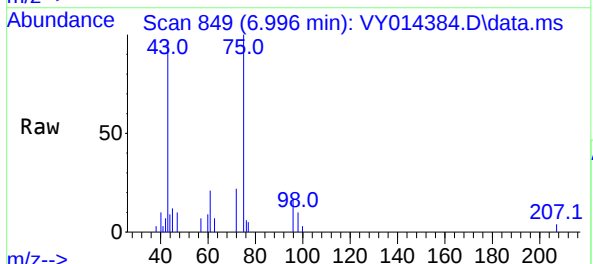


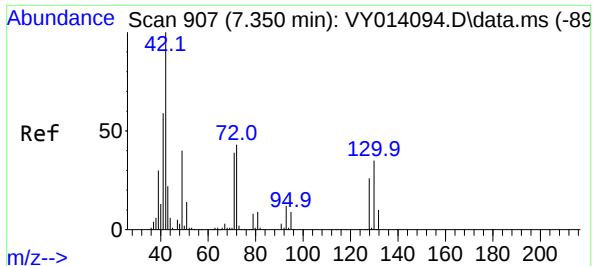
Tgt Ion: 84 Resp: 1753
Ion Ratio Lower Upper
84 100
49 73.1 106.9 160.3#
51 27.7 33.2 49.8#
86 53.0 51.0 76.6



#25
2-Butanone
Concen: 5.323 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 43 Resp: 4988
Ion Ratio Lower Upper
43 100
72 22.9 20.5 30.7





#29

Tetrahydrofuran

Concen: 4.557 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014384.D

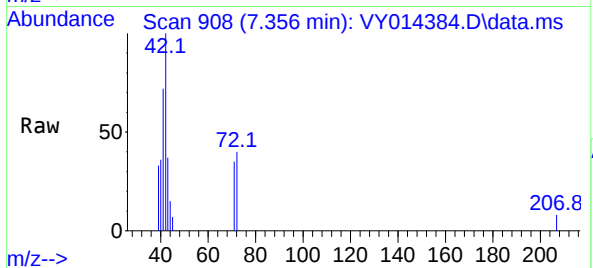
Acq: 22 Jun 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-5-4-10WRE



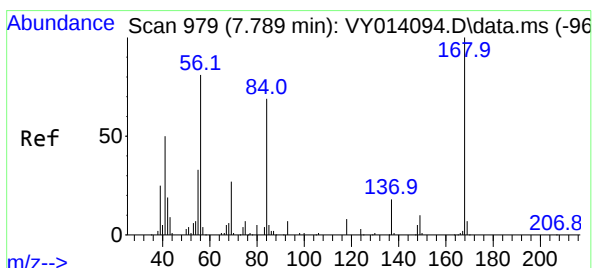
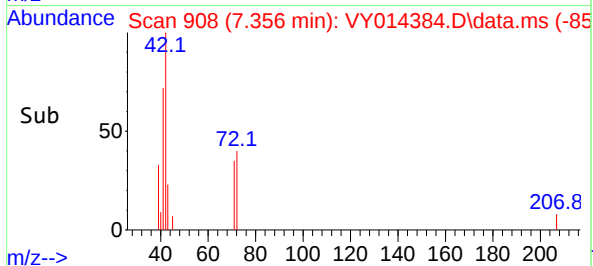
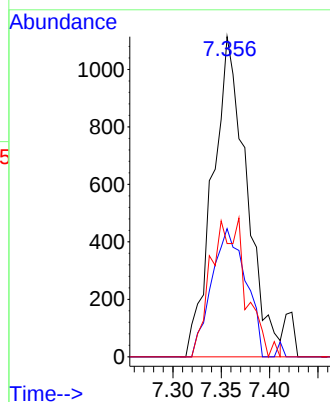
Tgt Ion: 42 Resp: 2708

Ion Ratio Lower Upper

42 100

72 40.4 32.8 49.2

71 44.2 31.0 46.4



#31

Cyclohexane

Concen: 1.676 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014384.D

Acq: 22 Jun 2023 17:12

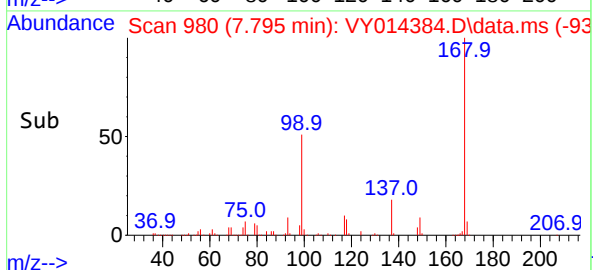
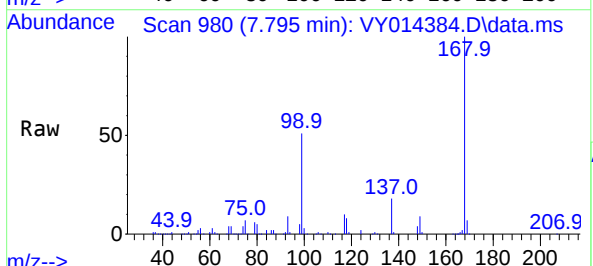
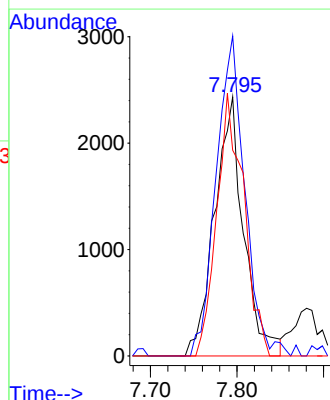
Tgt Ion: 56 Resp: 5670

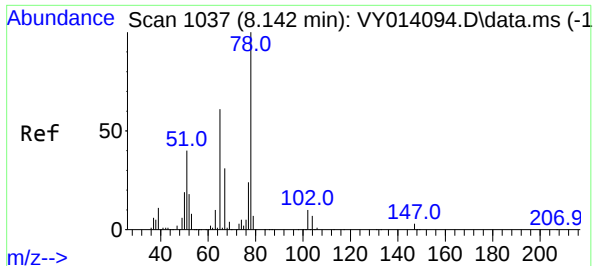
Ion Ratio Lower Upper

56 100

69 123.5 27.8 41.6#

84 79.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 46.304 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014384.D

Acq: 22 Jun 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

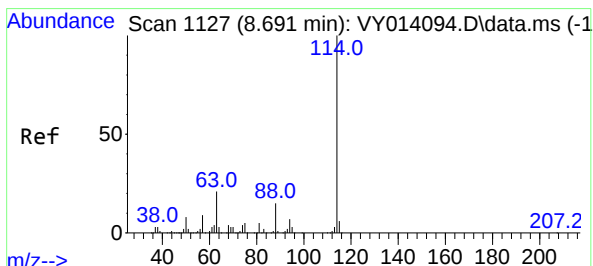
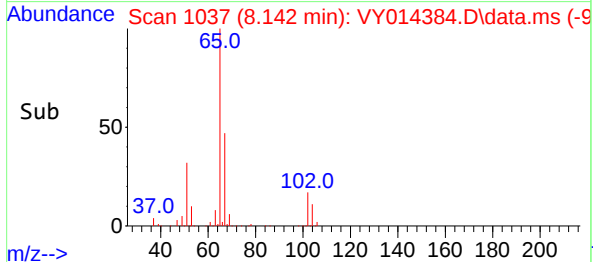
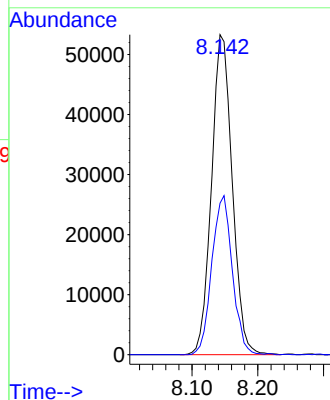
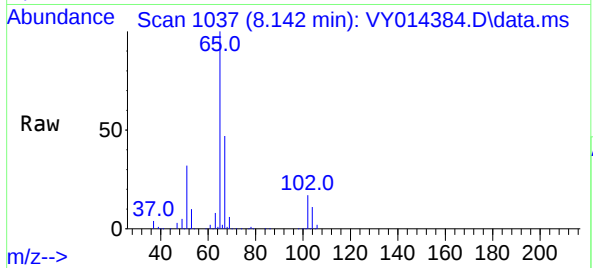
TOTAL-VOC-TP6-5-4-10WRE

Tgt Ion: 65 Resp: 116948

Ion Ratio Lower Upper

65 100

67 49.2 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: VY014384.D

Acq: 22 Jun 2023 17:12

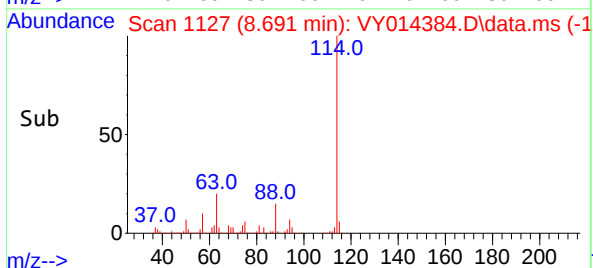
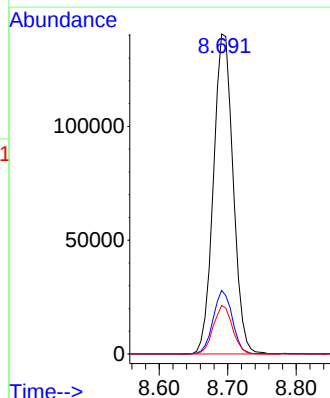
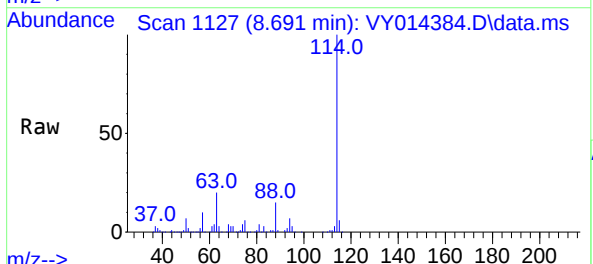
Tgt Ion: 114 Resp: 280023

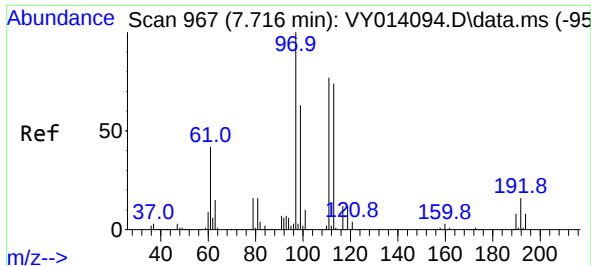
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.2 0.0 30.6

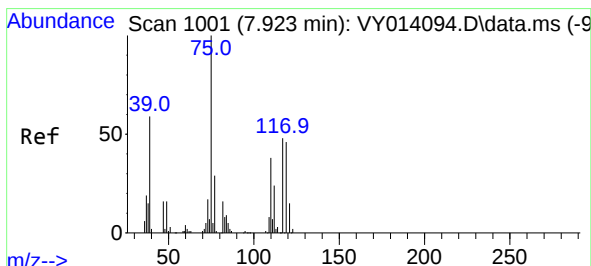
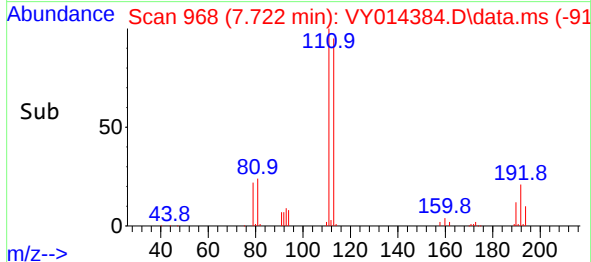
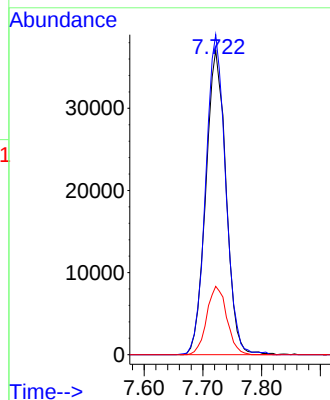
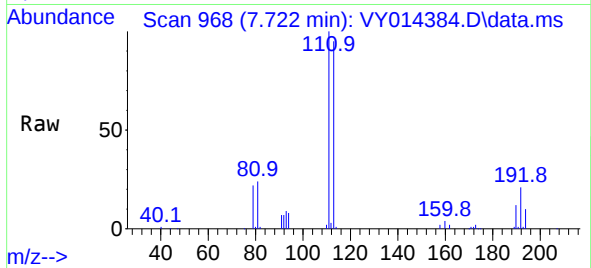




#35
Dibromofluoromethane
Concen: 44.615 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

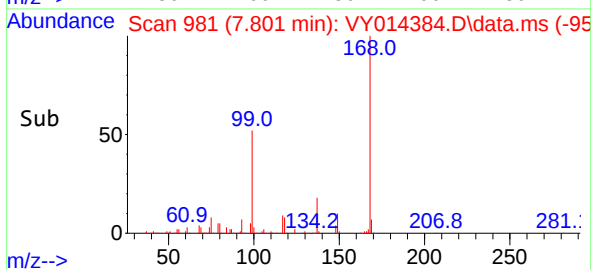
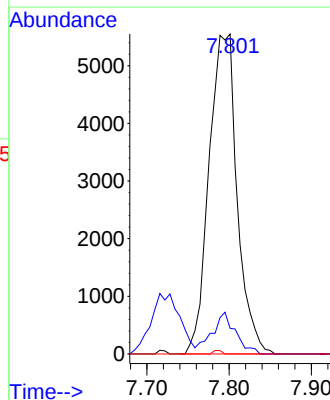
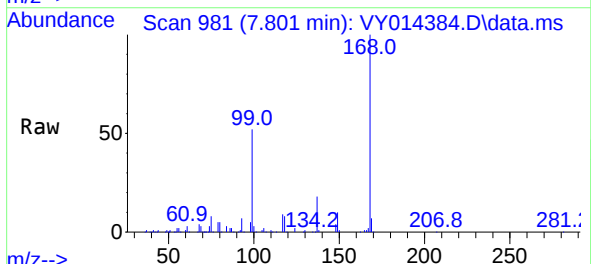
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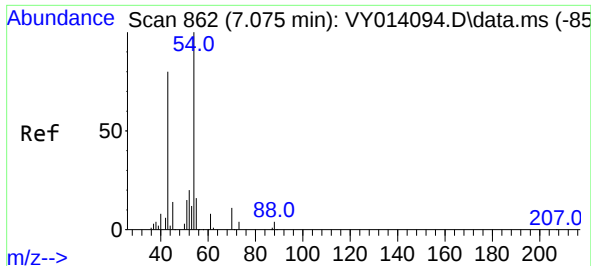
Tgt Ion:113 Resp: 88599
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.266 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 75 Resp: 13208
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.3 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.335 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY014384.D

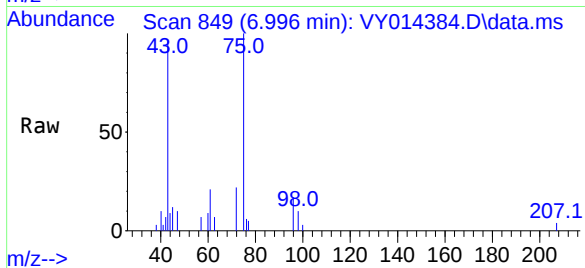
Acq: 22 Jun 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-5-4-10WRE



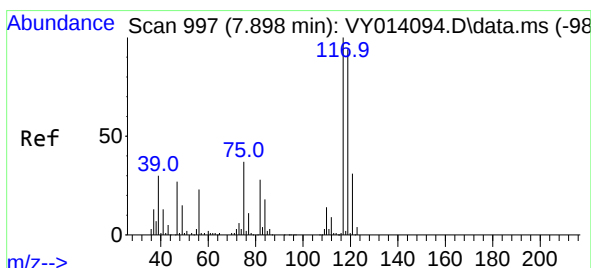
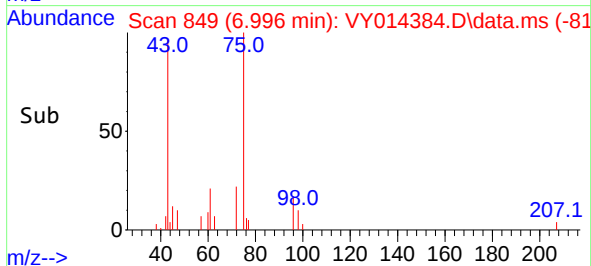
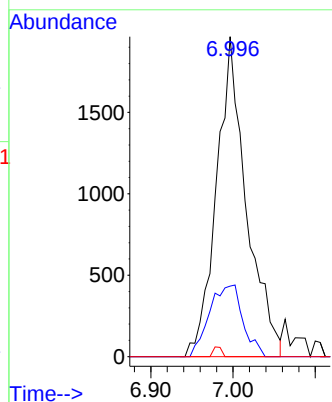
Tgt Ion: 43 Resp: 4988

Ion Ratio Lower Upper

43 100

61 24.9 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.956 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014384.D

Acq: 22 Jun 2023 17:12

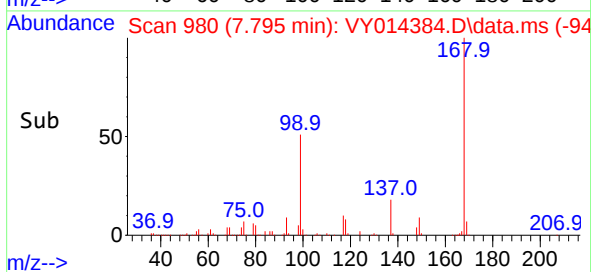
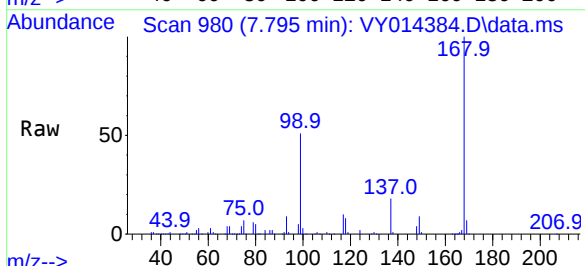
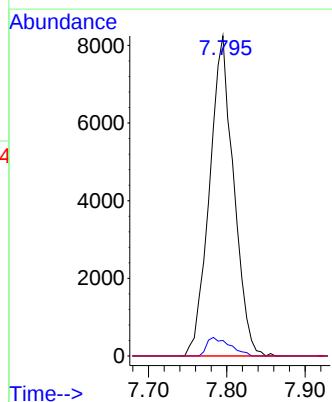
Tgt Ion: 117 Resp: 17707

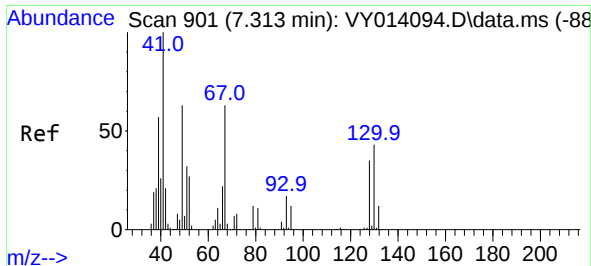
Ion Ratio Lower Upper

117 100

119 4.9 76.4 114.6#

121 0.0 25.8 38.6#

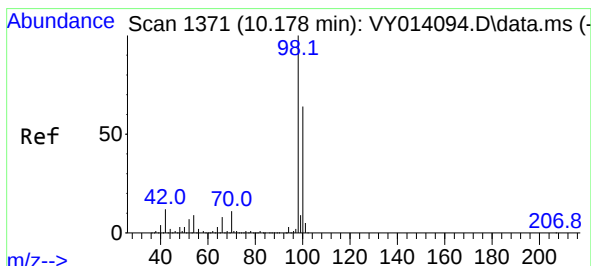
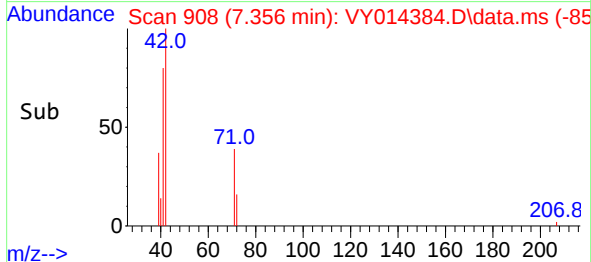
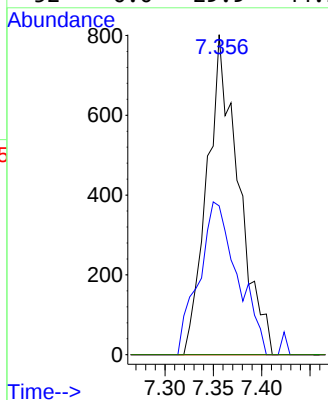
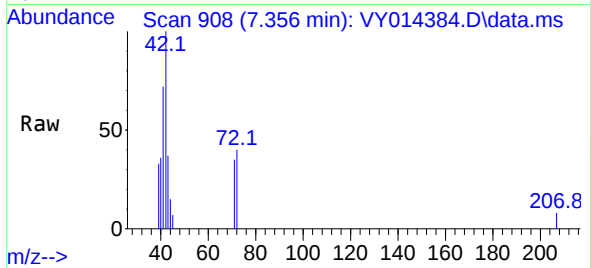




#41
Methacrylonitrile
Concen: 1.669 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

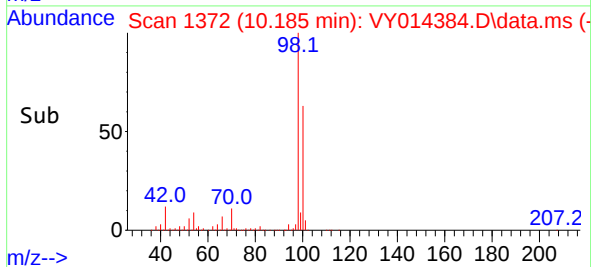
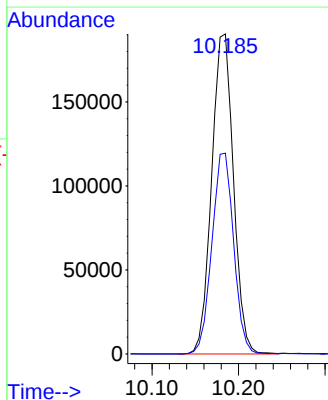
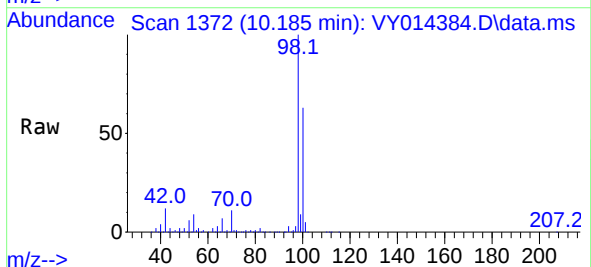
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

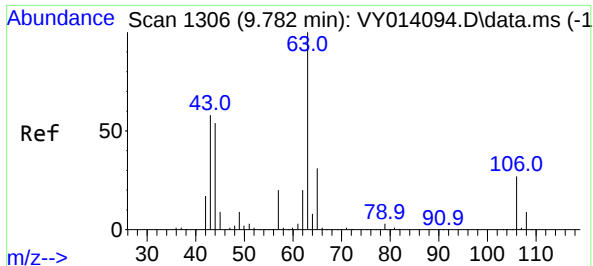
Tgt Ion: 41	Resp: 1820
Ion Ratio	Lower Upper
41 100	
39 58.1	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.820 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 98	Resp: 332757
Ion Ratio	Lower Upper
98 100	
100 62.7	50.1 75.1

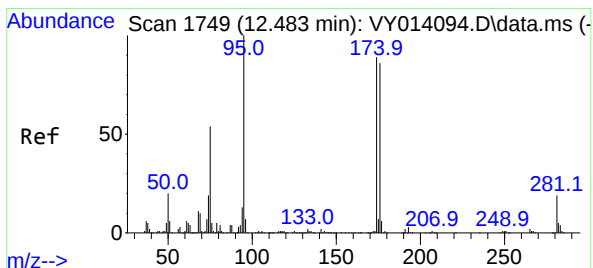
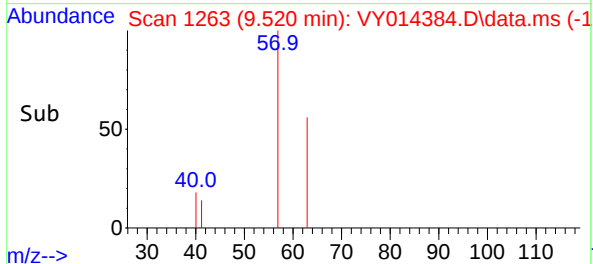
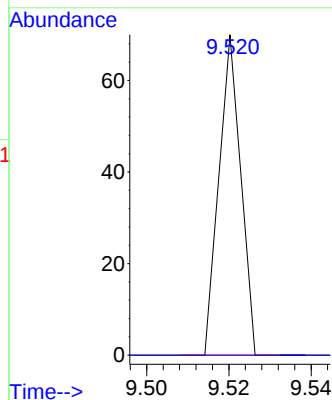
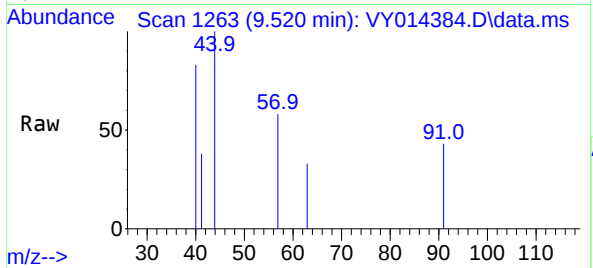




#58
2-Chloroethyl Vinyl ether
Concen: 28.639 ug/l
RT: 9.520 min Scan# 1263
Delta R.T. -0.262 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

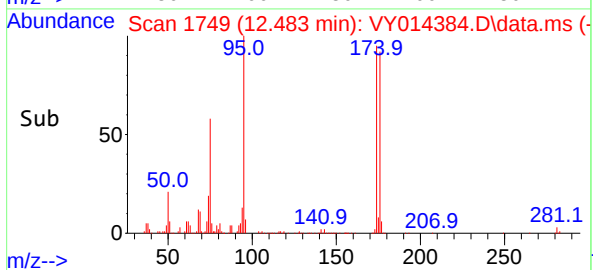
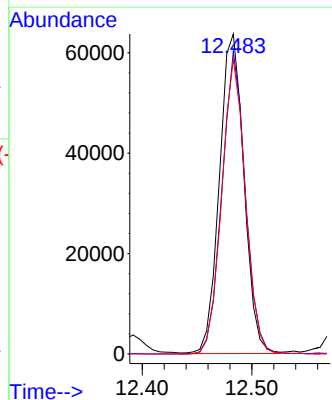
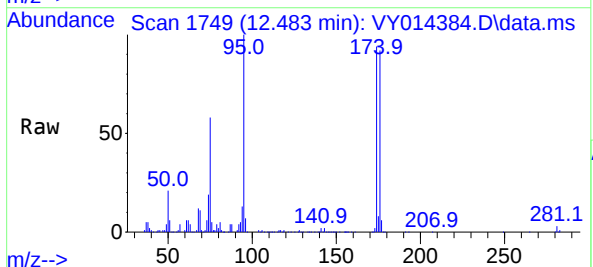
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

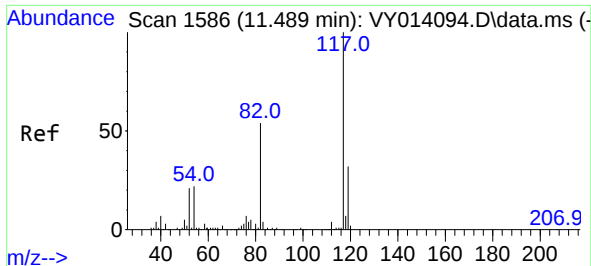
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 37.489 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 95 Resp: 98872
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.2
176 88.9 0.0 173.8

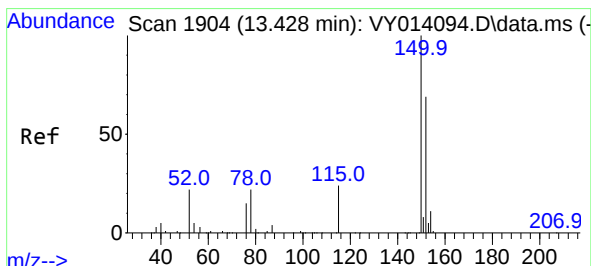
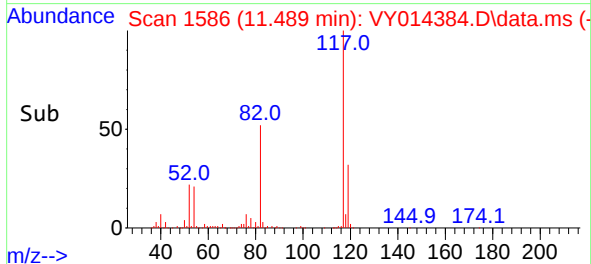
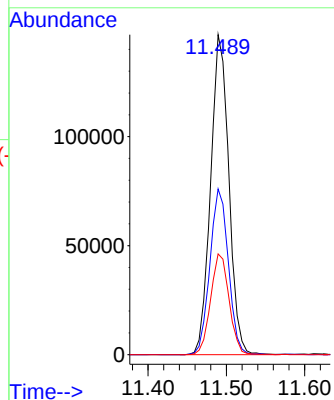
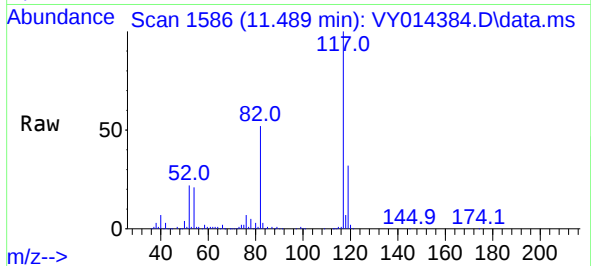




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

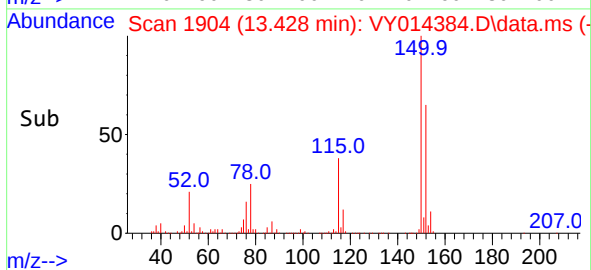
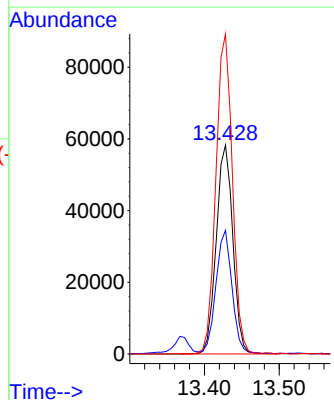
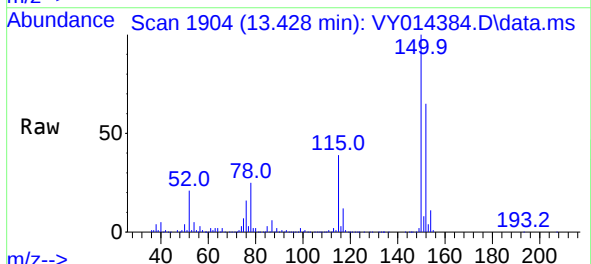
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

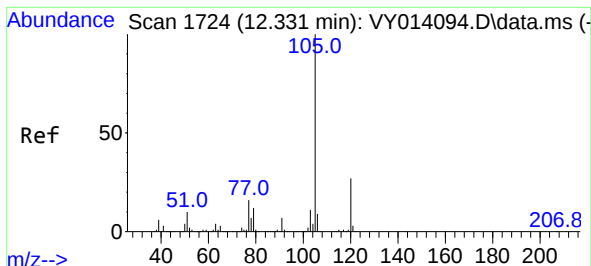
Tgt Ion:117 Resp: 237020
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion:152 Resp: 89957
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 152.1 0.0 348.8





#73

Isopropylbenzene

Concen: 47.893 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014384.D

Acq: 22 Jun 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

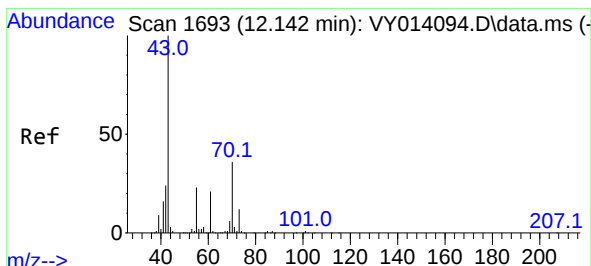
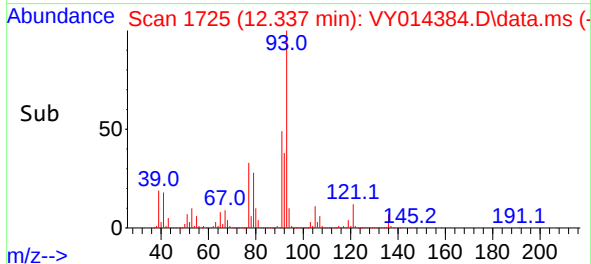
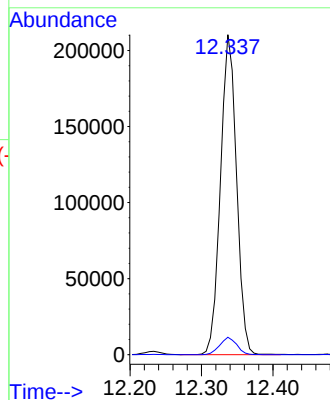
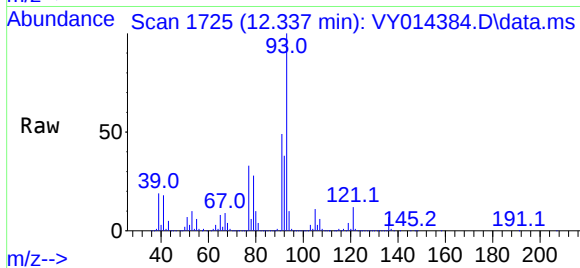
TOTAL-VOC-TP6-5-4-10WRE

Tgt Ion:105 Resp: 328664

Ion Ratio Lower Upper

105 100

120 5.7 13.3 39.9#



#74

N-ethyl acetate

Concen: 72.711 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.195 min

Lab File: VY014384.D

Acq: 22 Jun 2023 17:12

Tgt Ion: 43 Resp: 158124

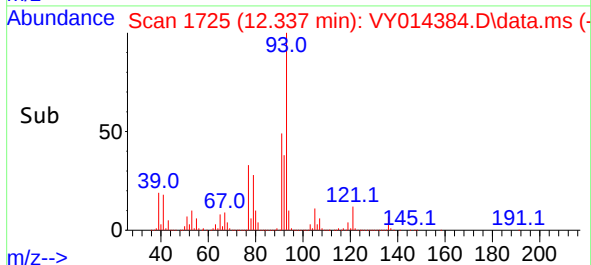
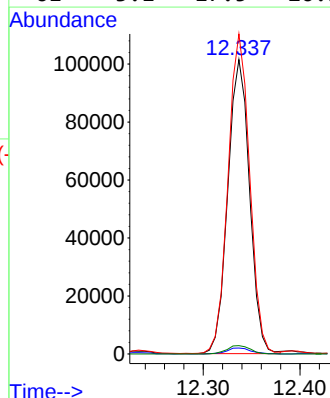
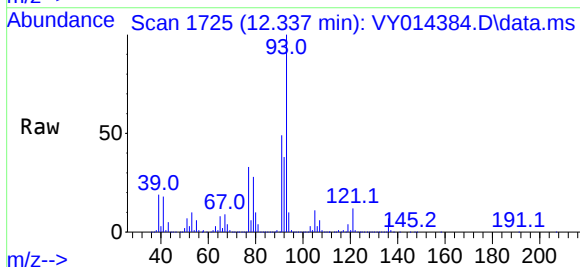
Ion Ratio Lower Upper

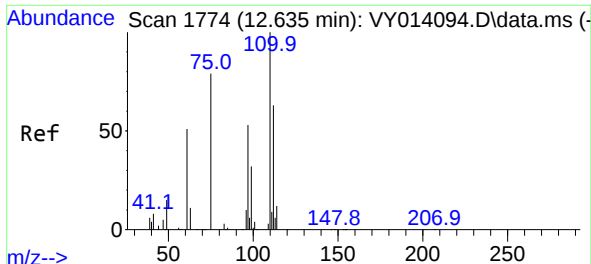
43 100

70 2.3 29.7 44.5#

55 108.2 18.3 27.5#

61 3.1 17.5 26.3#

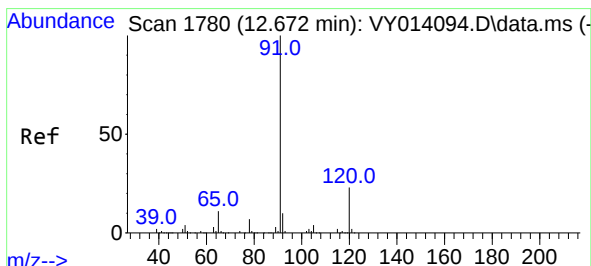
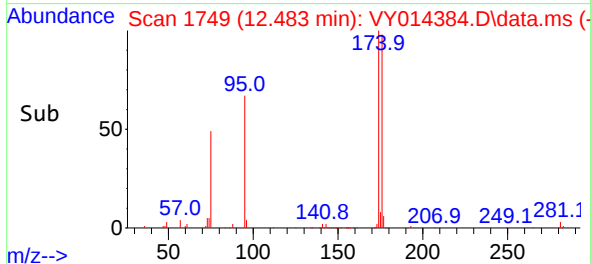
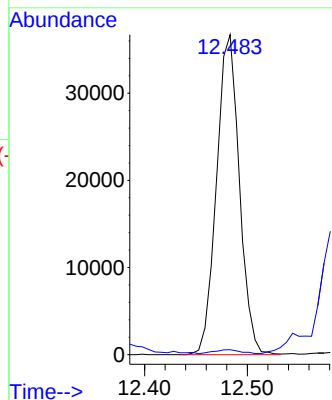
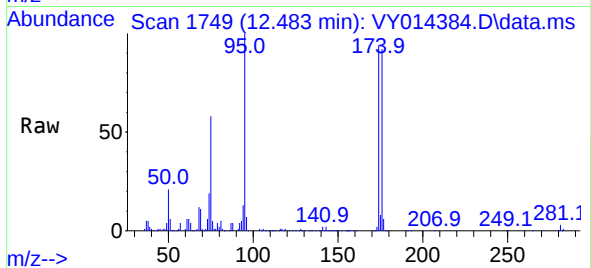




#76
1,2,3-Trichloropropane
Concen: 47.926 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

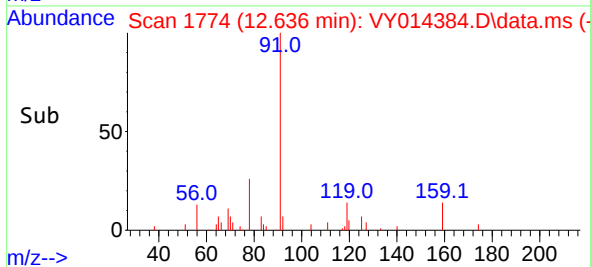
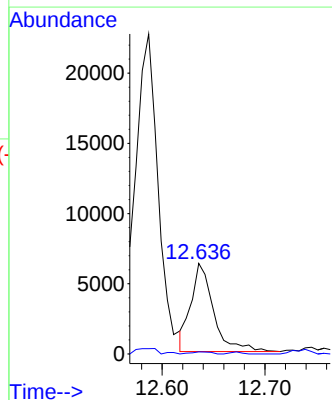
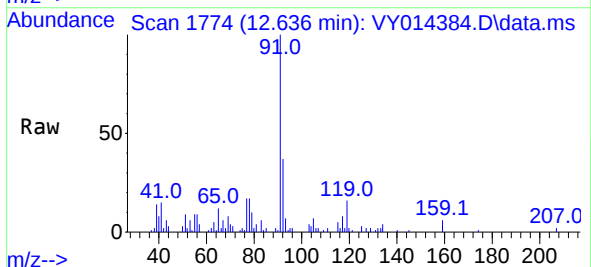
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

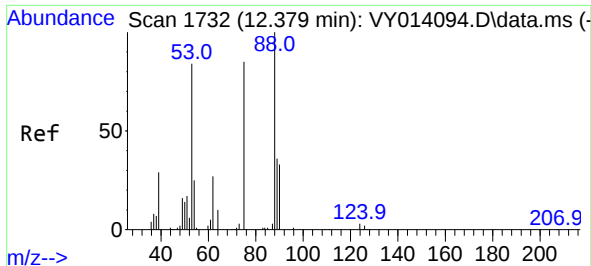
Tgt Ion: 75 Resp: 56563
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.148 ug/l
RT: 12.636 min Scan# 1774
Delta R.T. -0.036 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Tgt Ion: 91 Resp: 9623
Ion Ratio Lower Upper
91 100
120 2.0 11.5 34.4#

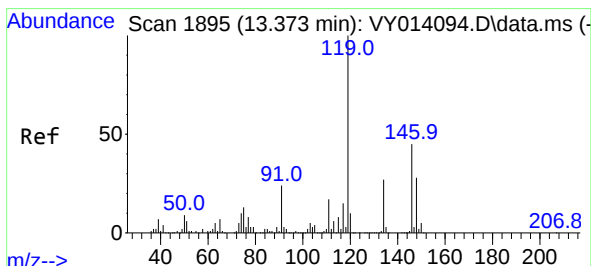
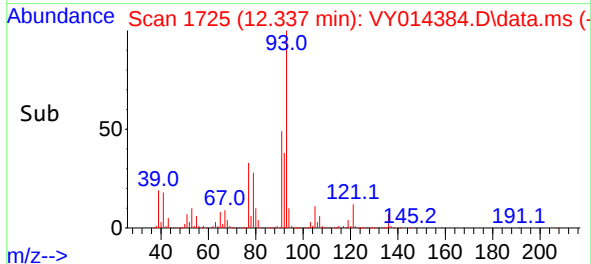
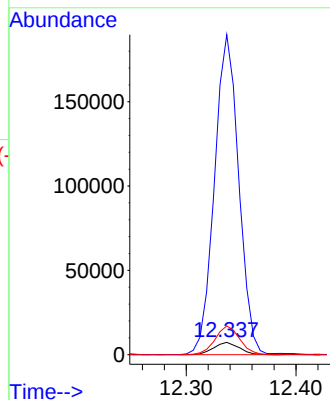
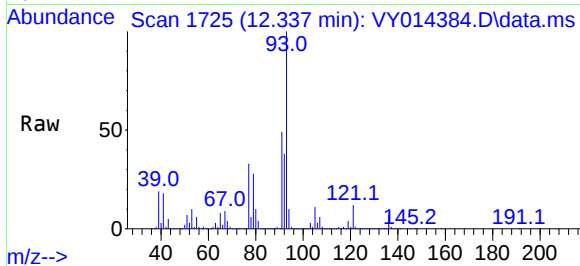




#81
trans-1,4-Dichloro-2-butene
Concen: 21.599 ug/l
RT: 12.337 min Scan# 11793
Delta R.T. -0.042 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

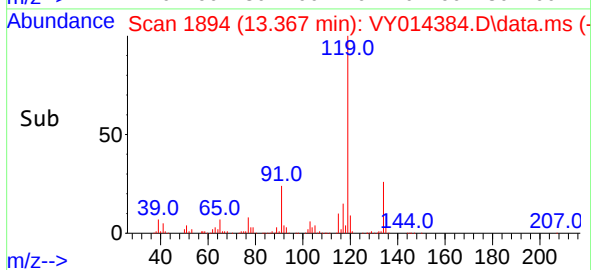
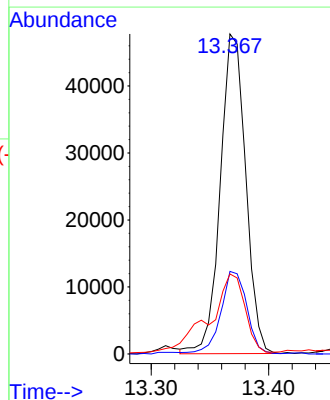
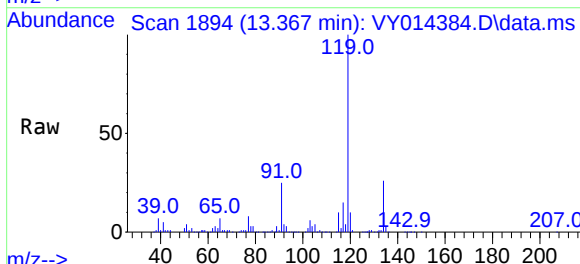
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE

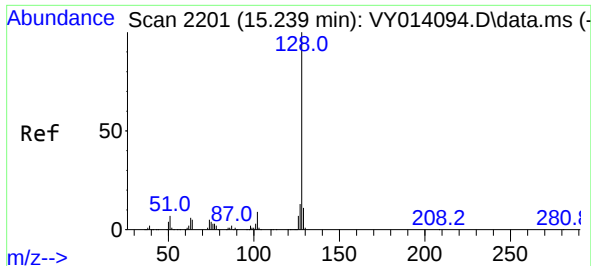
Tgt Ion: 75 Resp: 11793
Ion Ratio Lower Upper
75 100
53 2476.9 77.8 116.8#
89 225.7 37.4 56.0#



#86
p-Isopropyltoluene
Concen: 11.542 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

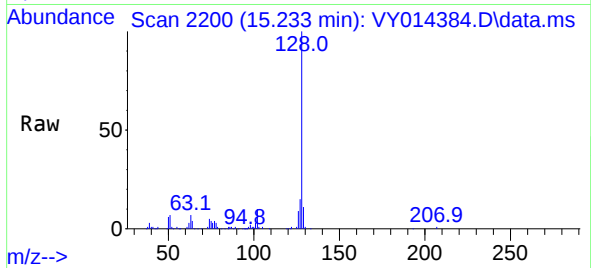
Tgt Ion: 119 Resp: 71714
Ion Ratio Lower Upper
119 100
134 26.2 13.3 39.8
91 34.7 12.4 37.4





#95
Naphthalene
Concen: 12.211 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014384.D
Acq: 22 Jun 2023 17:12

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10WRE



Tgt Ion:	128	Resp:	48564
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	12.5	8.6	13.0

