

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008384.D
 Acq On : 18 Apr 2022 19:26
 Operator : KP/MD
 Sample : N2452-11
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-5-GR

Quant Time: Apr 19 06:32:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

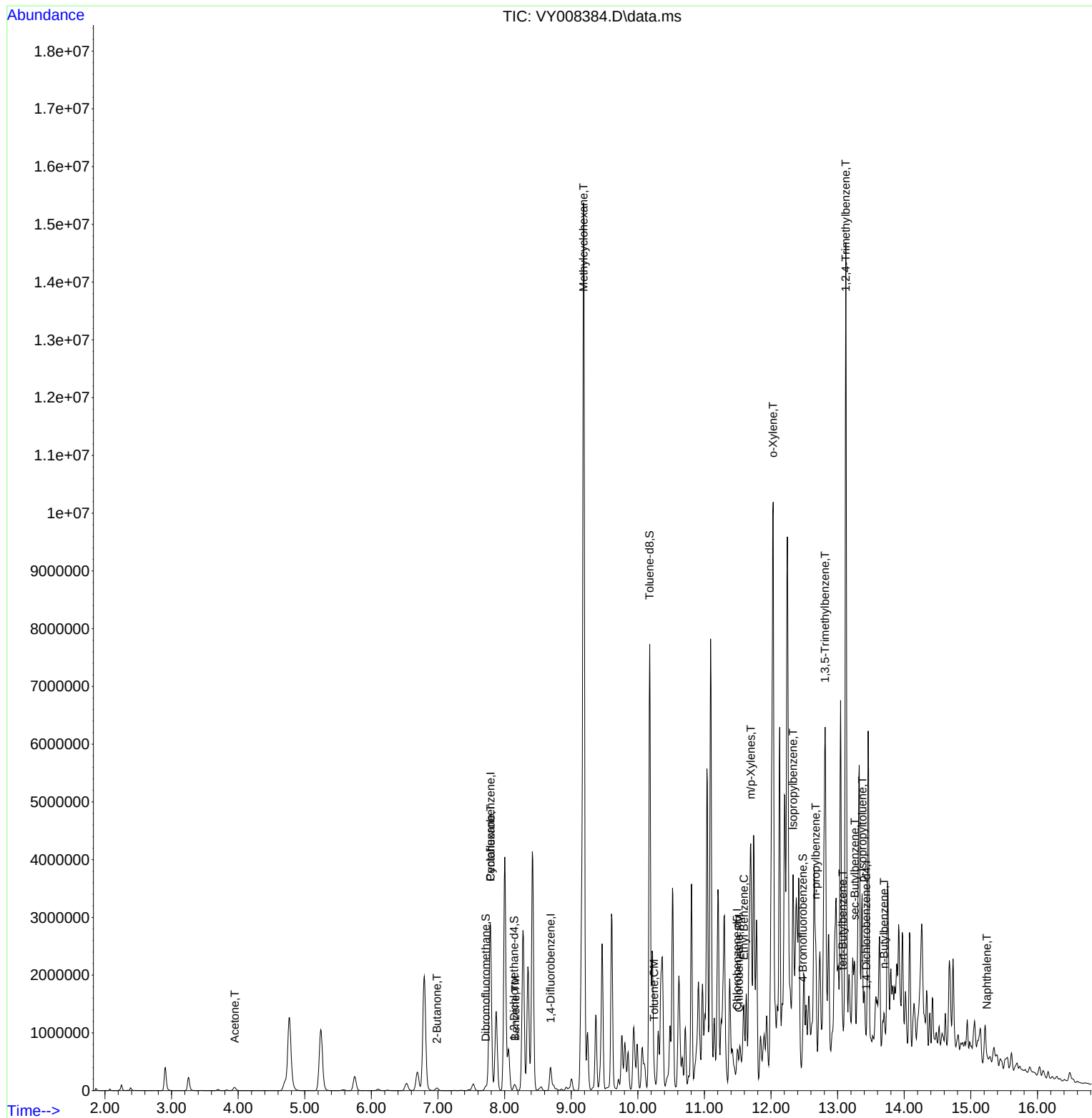
Internal Standards						
1) Pentafluorobenzene	7.789	168	118680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	112476	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57835	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51020	45.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.540%
35) Dibromofluoromethane	7.716	113	53725	50.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.520%
50) Toluene-d8	10.179	98	572745	156.582	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	313.160%#
62) 4-Bromofluorobenzene	12.477	95	122995	89.400	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	178.800%#
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	62040	231.378	ug/l	95
25) 2-Butanone	6.984	43	40064	95.556	ug/l	96
31) Cyclohexane	7.789	56	1531275	759.609	ug/l	# 76
39) Methylcyclohexane	9.185	83	7244179	3298.346	ug/l	# 79
40) Benzene	8.161	78	65038	12.795	ug/l	95
52) Toluene	10.246	92	123094	36.755	ug/l	94
65) Chlorobenzene	11.520	112	5192	2.129	ug/l	# 80
67) Ethyl Benzene	11.593	91	510371	123.039	ug/l	93
68) m/p-Xylenes	11.697	106	962062	583.174	ug/l	88
69) o-Xylene	12.032	106	2326091	1452.983	ug/l	84
73) Isopropylbenzene	12.331	105	1332364	309.858	ug/l	97
78) n-propylbenzene	12.672	91	1157157	228.059	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	677606	192.180	ug/l	96
83) tert-Butylbenzene	13.074	119	79976	25.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	6303284	1806.435	ug/l	91
85) sec-Butylbenzene	13.257	105	395246	84.284	ug/l	# 68
86) p-Isopropyltoluene	13.373	119	267383	68.327	ug/l	96
89) n-Butylbenzene	13.696	91	245655	69.480	ug/l	95
95) Naphthalene	15.239	128	63118	26.833	ug/l	# 83

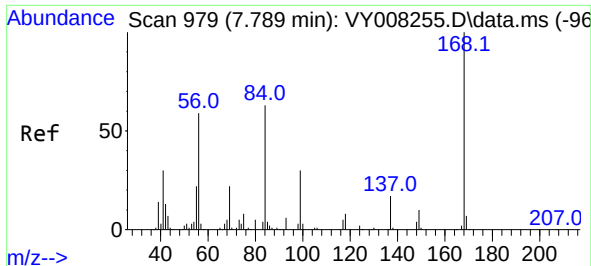
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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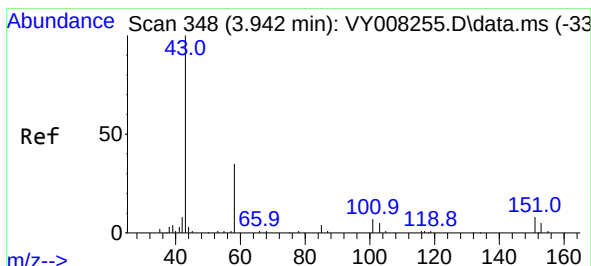
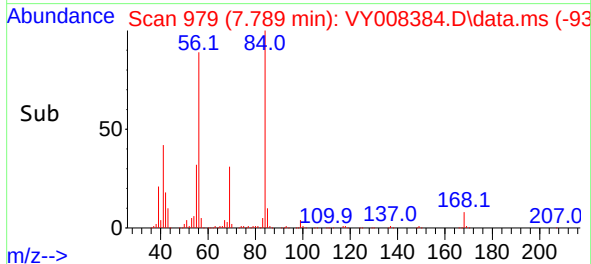
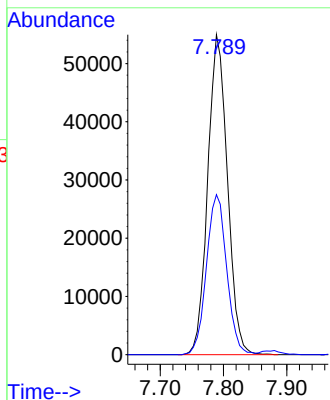
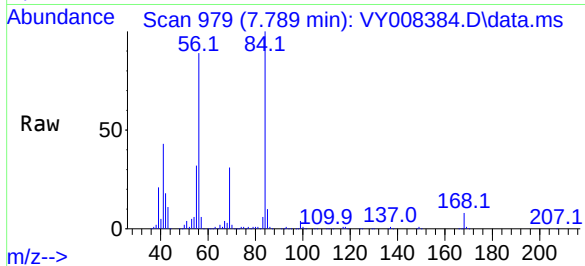




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

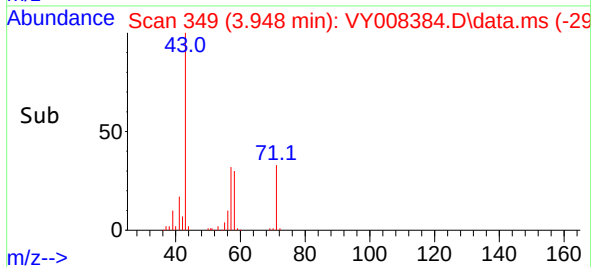
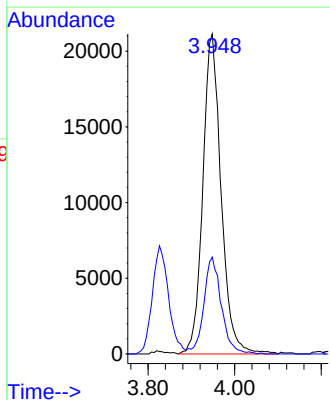
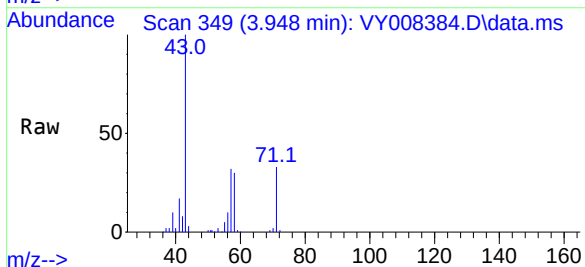
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

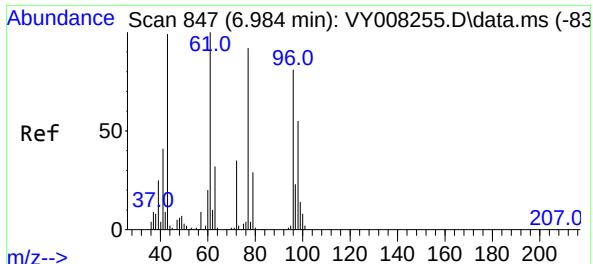
Tgt Ion:168 Resp: 118680
Ion Ratio Lower Upper
168 100
99 50.0 46.9 70.3



#16
Acetone
Concen: 231.378 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 43 Resp: 62040
Ion Ratio Lower Upper
43 100
58 30.2 22.0 33.0

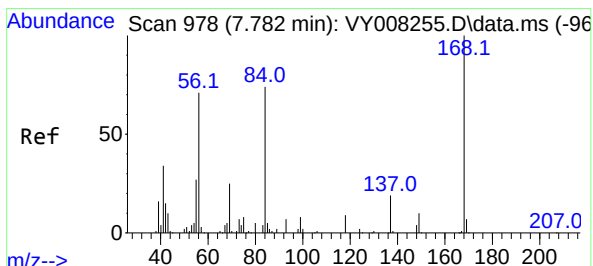
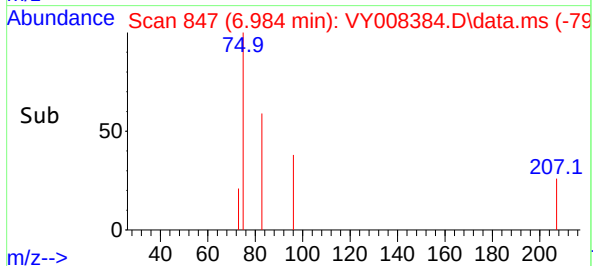
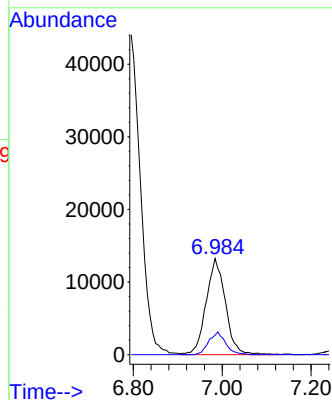
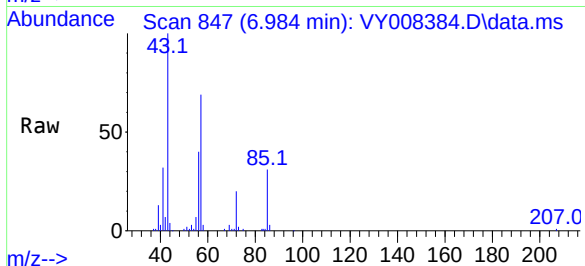




#25
2-Butanone
Concen: 95.556 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

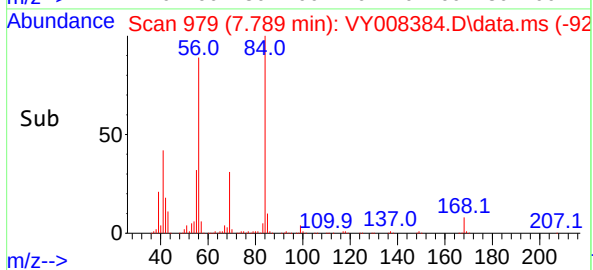
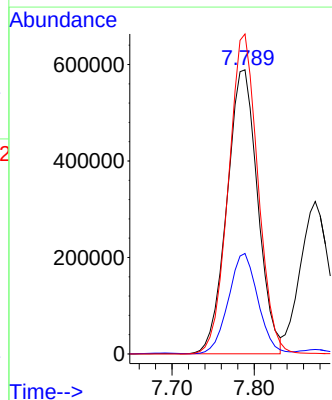
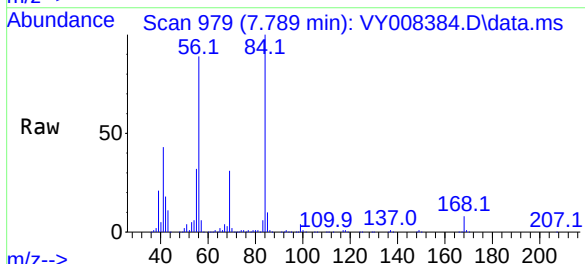
Instrument :
MSVOA_Y
ClientSampleId :
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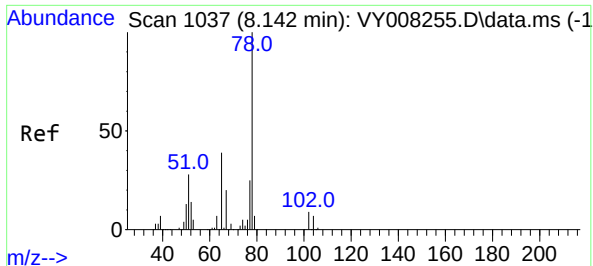
Tgt Ion: 43 Resp: 40064
Ion Ratio Lower Upper
43 100
72 20.4 17.7 26.5



#31
Cyclohexane
Concen: 759.609 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.007 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 56 Resp: 1531275
Ion Ratio Lower Upper
56 100
69 35.2 26.7 40.1
84 112.7 67.2 100.8#

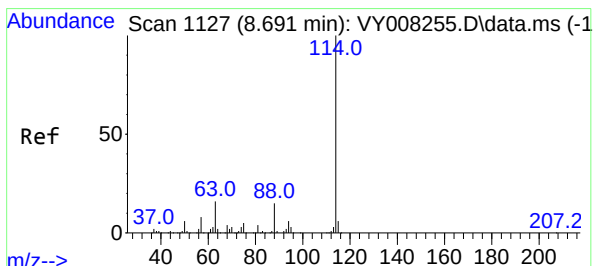
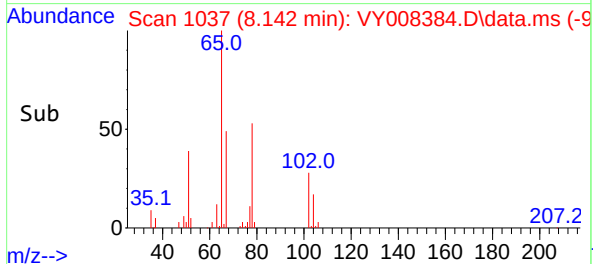
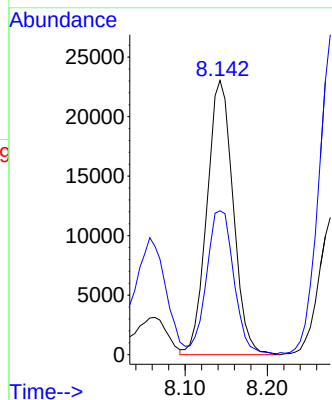
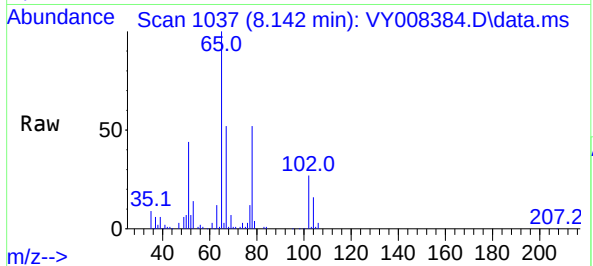




#33
1,2-Dichloroethane-d4
Concen: 45.767 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

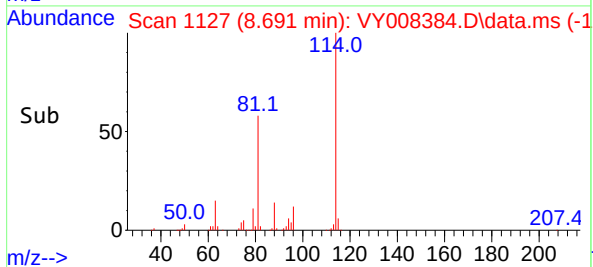
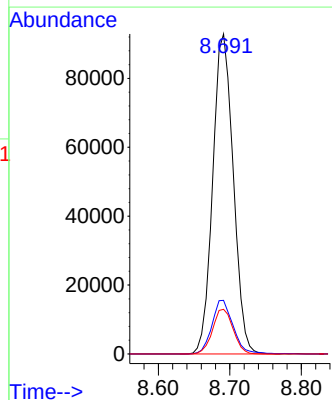
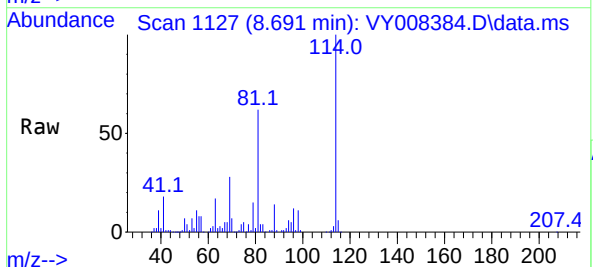
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

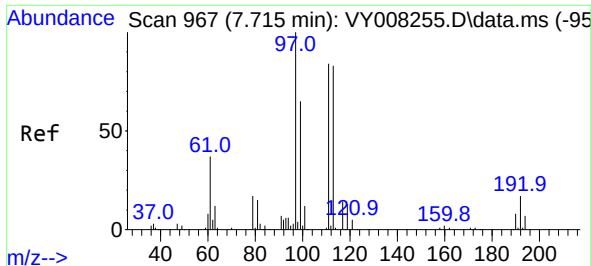
Tgt Ion: 65 Resp: 51020
Ion Ratio Lower Upper
65 100
67 54.9 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 114 Resp: 185076
Ion Ratio Lower Upper
114 100
63 16.8 0.0 43.2
88 14.0 0.0 31.8

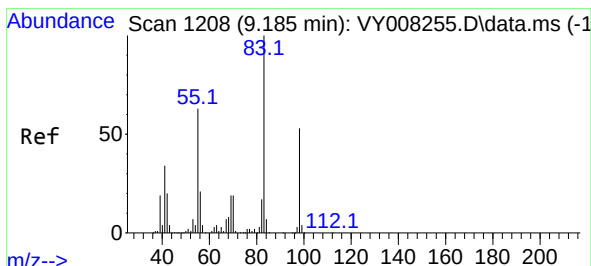
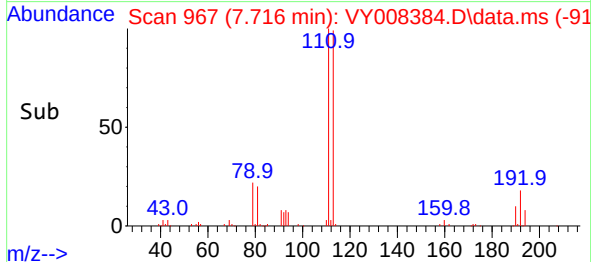
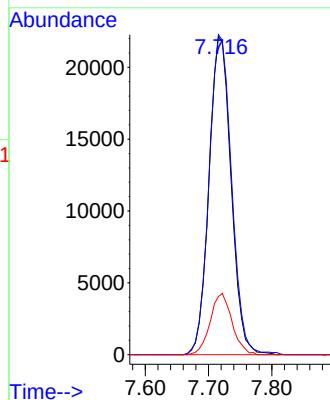
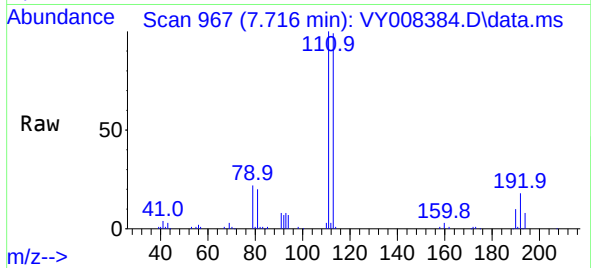




#35
Dibromofluoromethane
Concen: 50.259 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.001 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

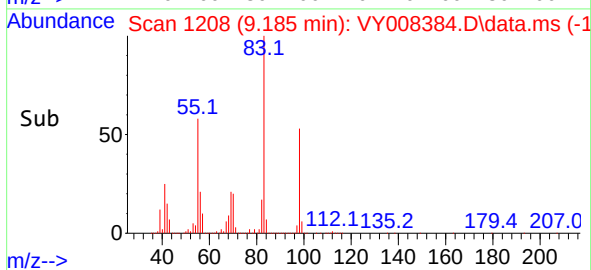
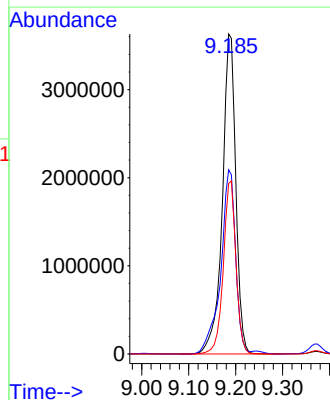
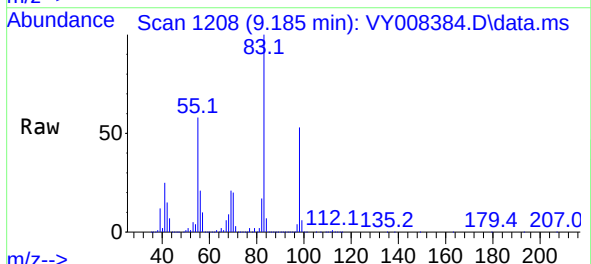
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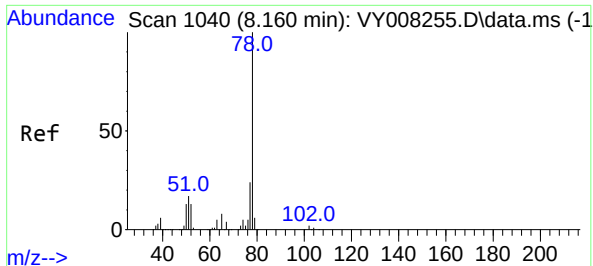
Tgt Ion:	113	Resp:	53725
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	19.0	17.6	26.4



#39
Methylcyclohexane
Concen: 3298.346 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion:	83	Resp:	7244179
Ion	Ratio	Lower	Upper
83	100		
55	57.5	66.5	99.7#
98	53.3	37.9	56.9

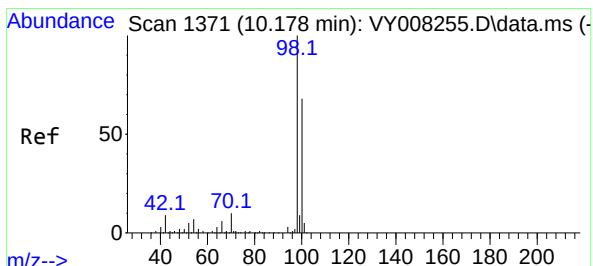
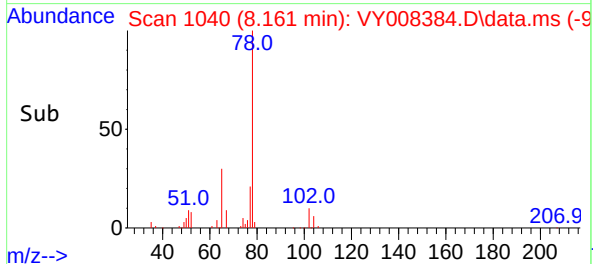
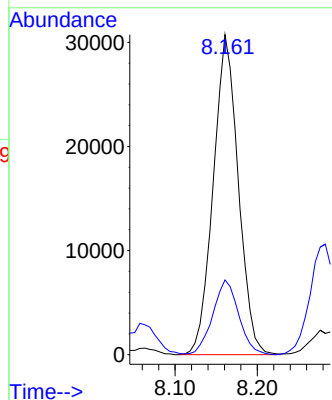
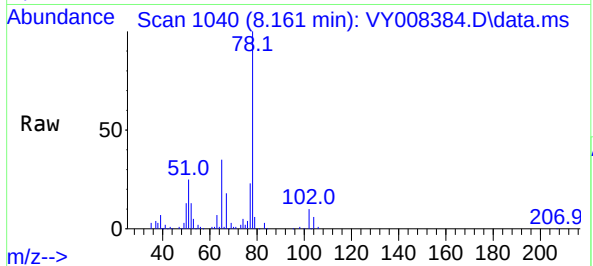




#40
Benzene
Concen: 12.795 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

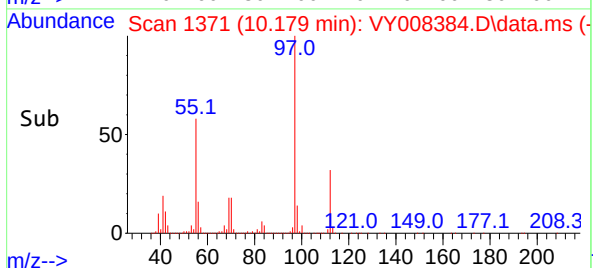
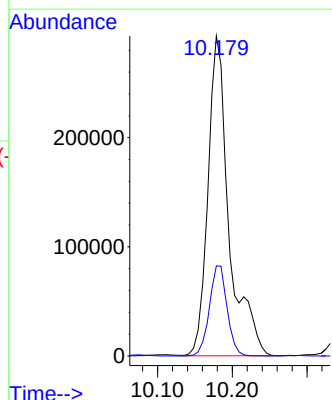
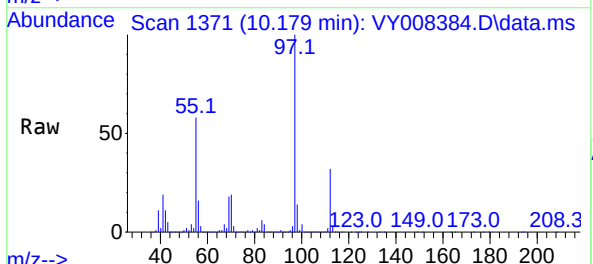
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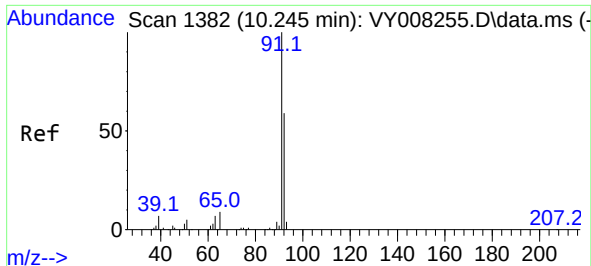
Tgt Ion: 78 Resp: 65038
Ion Ratio Lower Upper
78 100
77 23.2 20.4 30.6



#50
Toluene-d8
Concen: 156.582 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 98 Resp: 572745
Ion Ratio Lower Upper
98 100
100 23.7 50.2 75.2#

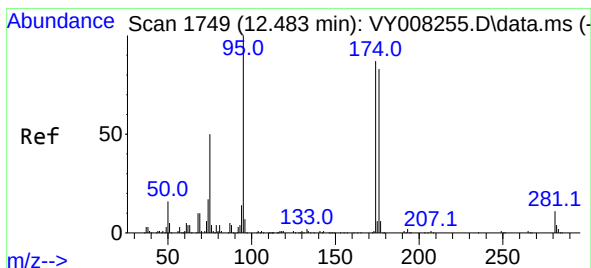
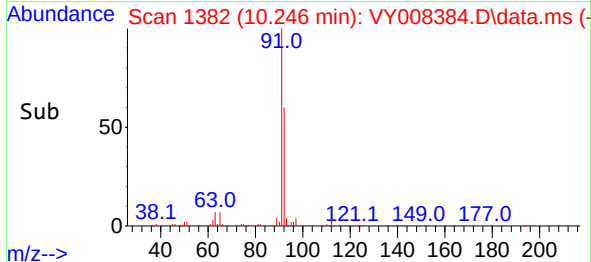
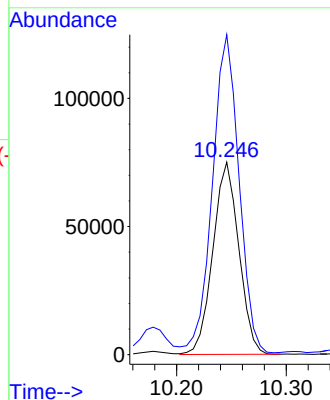
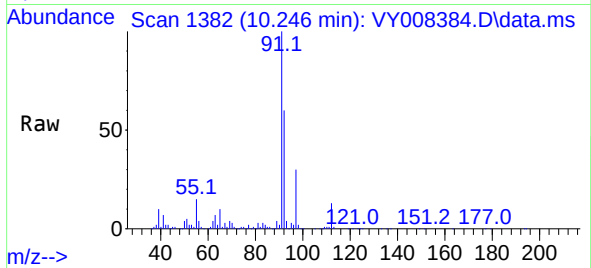




#52
Toluene
Concen: 36.755 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

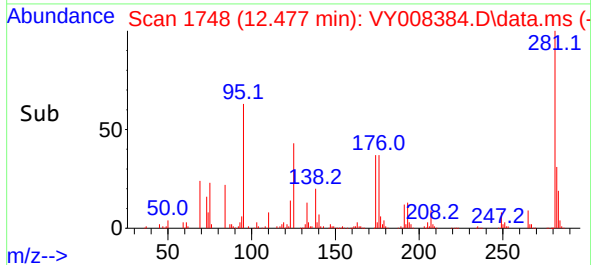
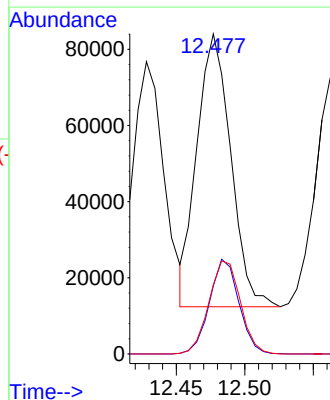
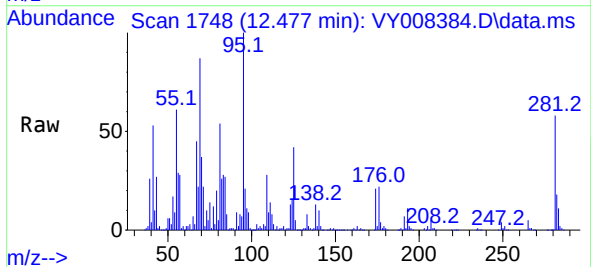
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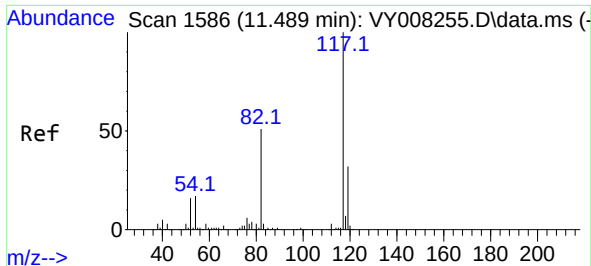
Tgt Ion: 92 Resp: 123094
Ion Ratio Lower Upper
92 100
91 169.6 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 89.400 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 95 Resp: 122995
Ion Ratio Lower Upper
95 100
174 30.2 0.0 177.0
176 31.7 0.0 175.8

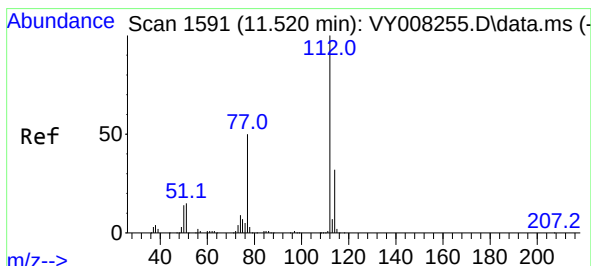
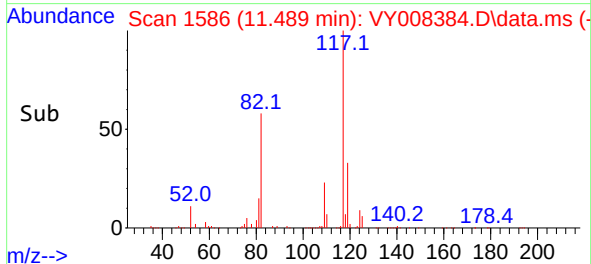
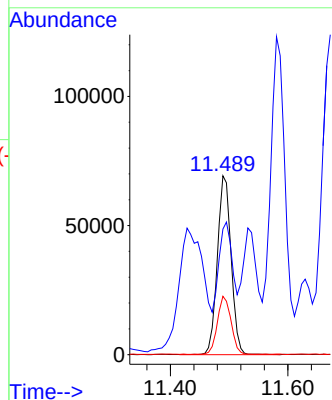
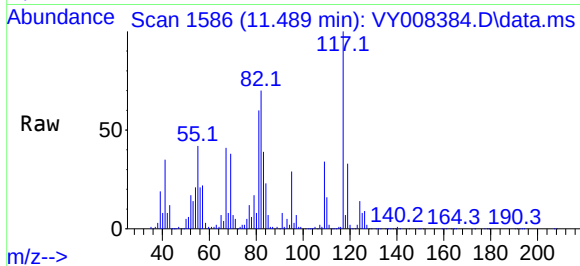




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

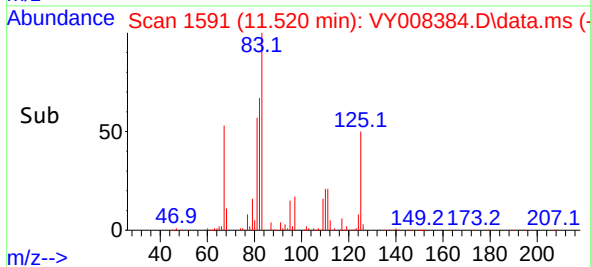
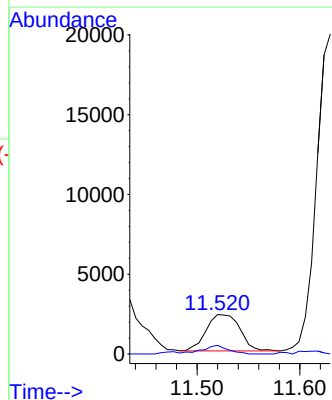
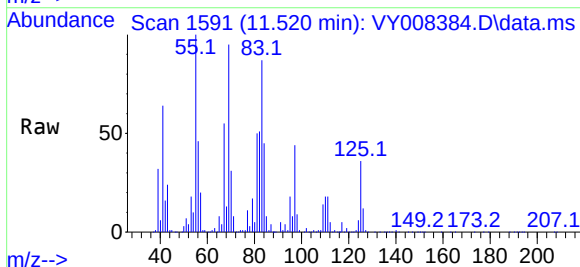
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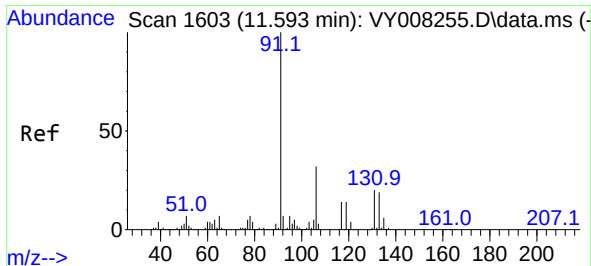
Tgt Ion:117 Resp: 112476
Ion Ratio Lower Upper
117 100
82 26.7 43.0 64.4#
119 32.5 25.4 38.0



#65
Chlorobenzene
Concen: 2.129 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion:112 Resp: 5192
Ion Ratio Lower Upper
112 100
114 21.0 25.8 38.6#





#67

Ethyl Benzene

Concen: 123.039 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008384.D

Acq: 18 Apr 2022 19:26

Instrument :

MSVOA_Y

ClientSampleId :

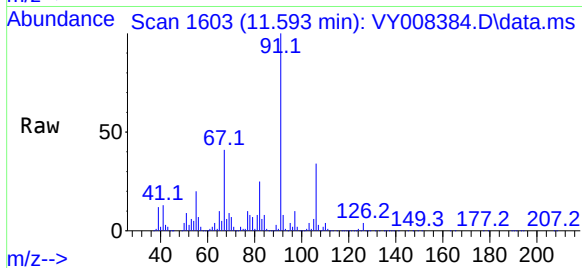
WC-15-1-5-GR

Tgt Ion: 91 Resp: 510371

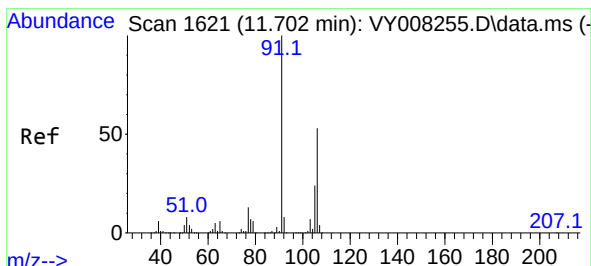
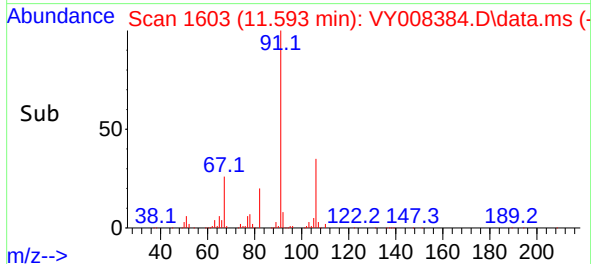
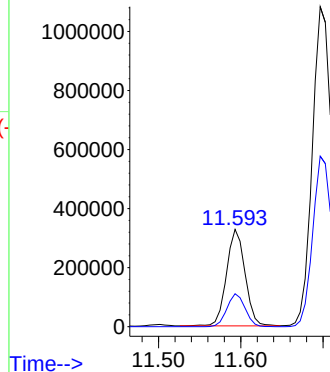
Ion Ratio Lower Upper

91 100

106 34.2 24.5 36.7



Abundance



#68

m/p-Xylenes

Concen: 583.174 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.005 min

Lab File: VY008384.D

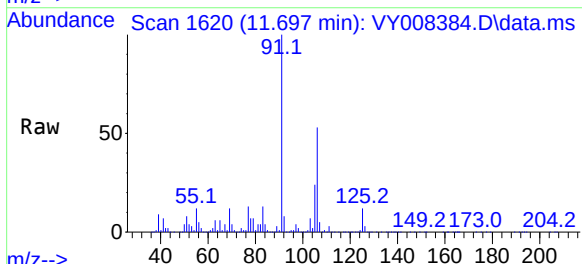
Acq: 18 Apr 2022 19:26

Tgt Ion: 106 Resp: 962062

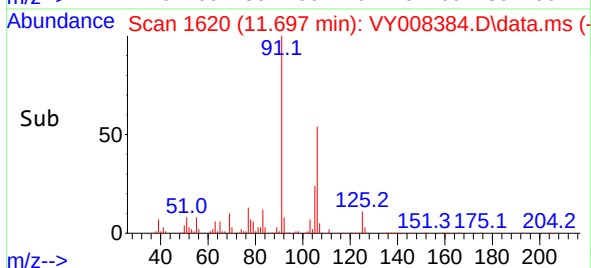
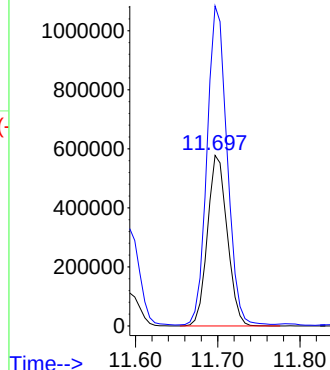
Ion Ratio Lower Upper

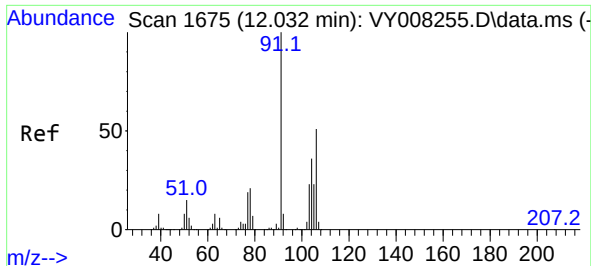
106 100

91 190.1 166.6 249.8



Abundance

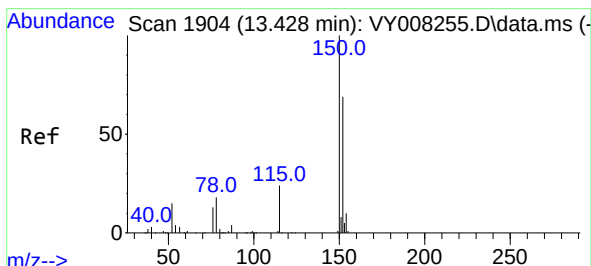
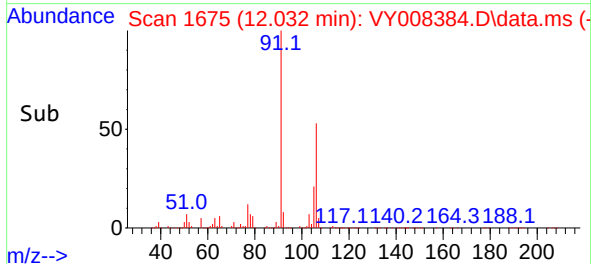
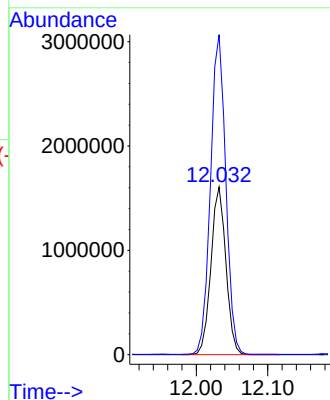
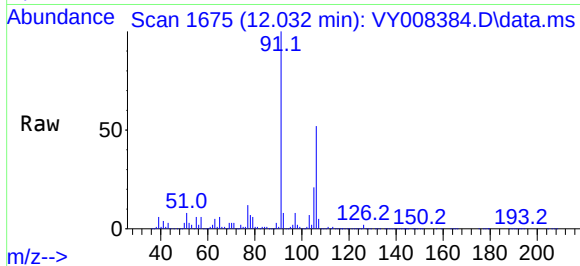




#69
o-Xylene
Concen: 1452.983 ug/l
RT: 12.032 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

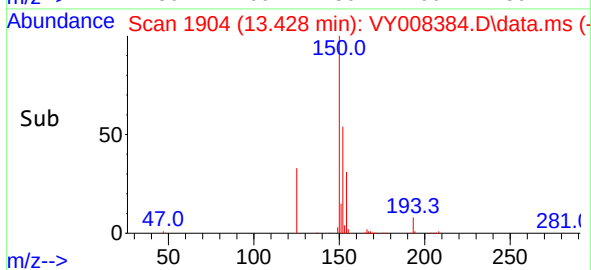
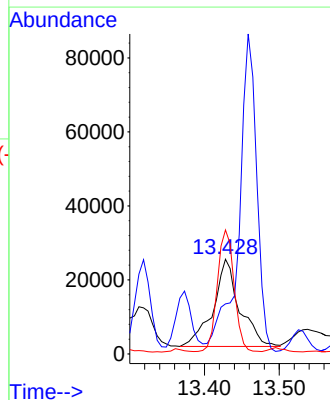
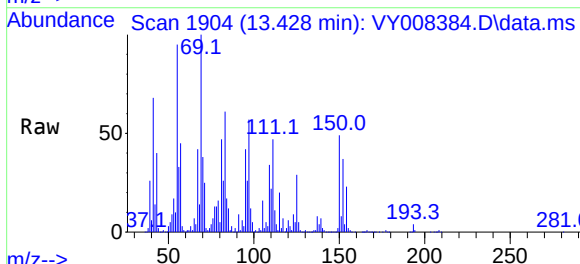
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

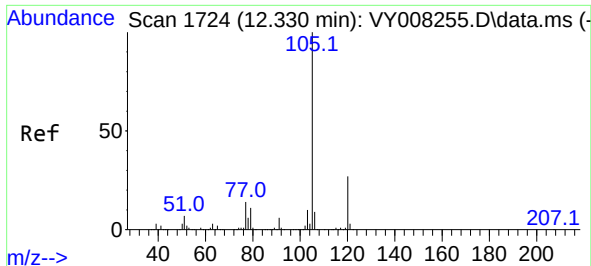
Tgt Ion:106 Resp: 2326091
Ion Ratio Lower Upper
106 100
91 195.4 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion:152 Resp: 57835
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 88.4 0.0 347.6

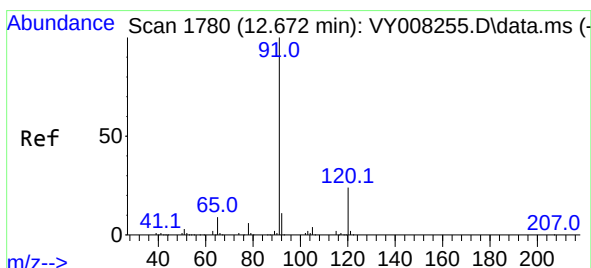
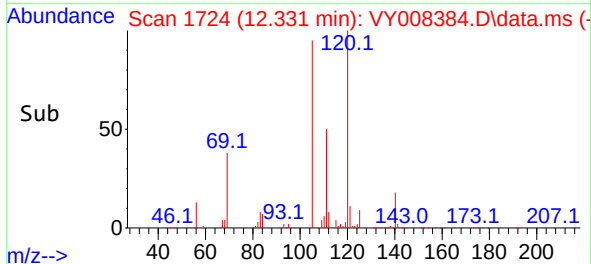
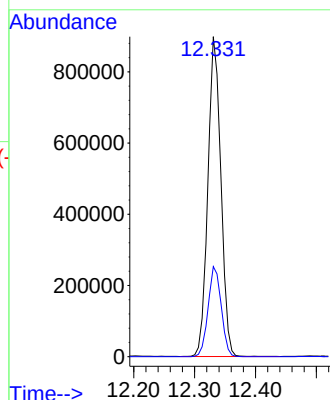
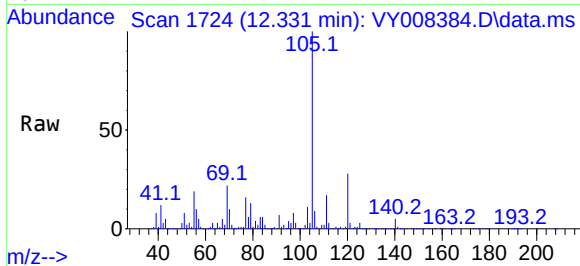




#73
Isopropylbenzene
Concen: 309.858 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

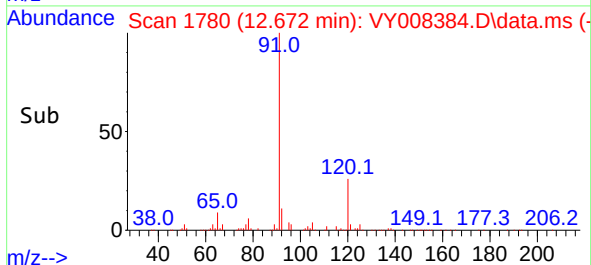
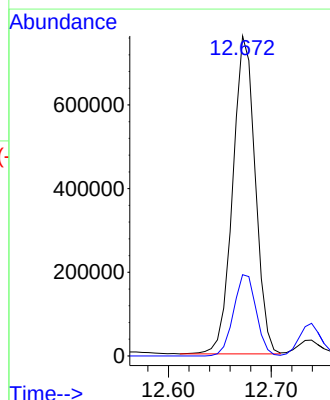
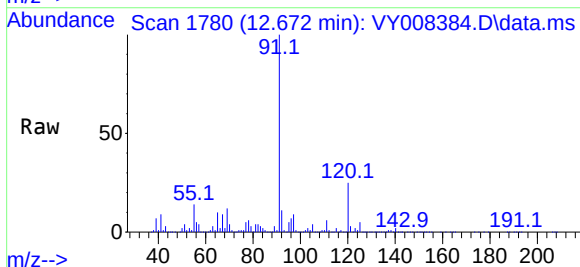
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

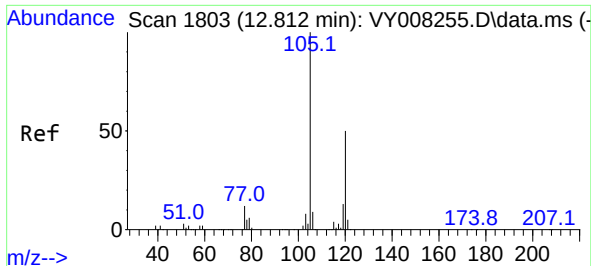
Tgt Ion:105 Resp: 1332364
Ion Ratio Lower Upper
105 100
120 28.4 13.4 40.2



#78
n-propylbenzene
Concen: 228.059 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 91 Resp: 1157157
Ion Ratio Lower Upper
91 100
120 25.7 11.3 33.9

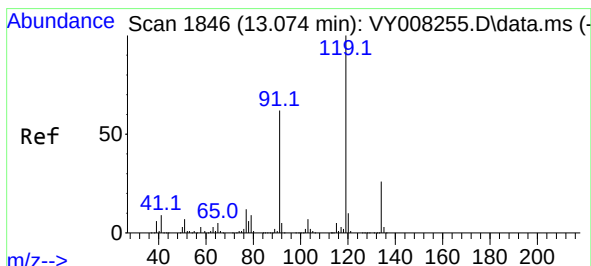
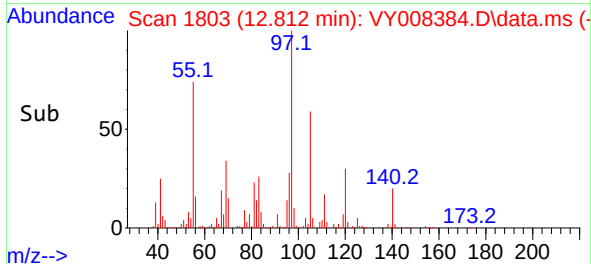
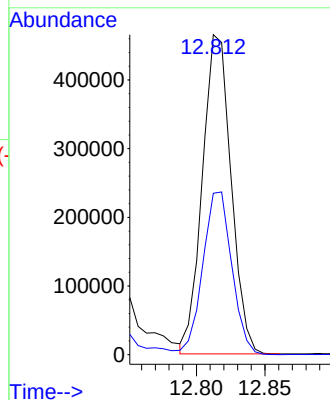
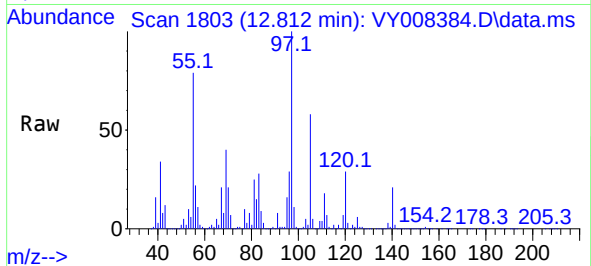




#80
1,3,5-Trimethylbenzene
Concen: 192.180 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

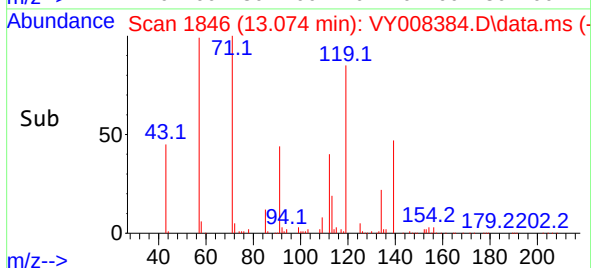
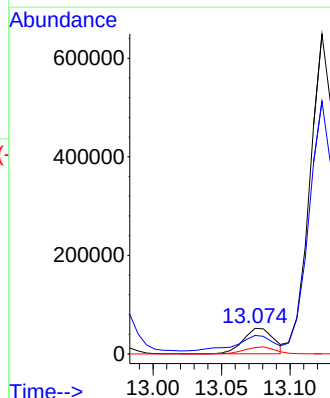
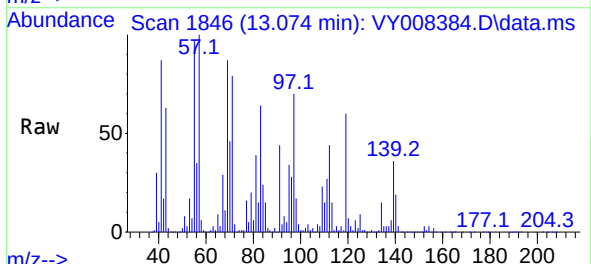
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

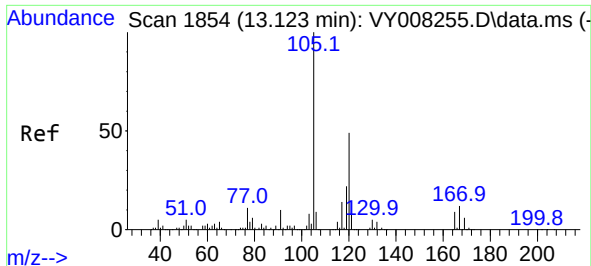
Tgt Ion:105 Resp: 677606
Ion Ratio Lower Upper
105 100
120 51.7 24.4 73.4



#83
tert-Butylbenzene
Concen: 25.284 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion:119 Resp: 79976
Ion Ratio Lower Upper
119 100
91 69.2 34.8 104.4
134 28.2 13.3 39.9

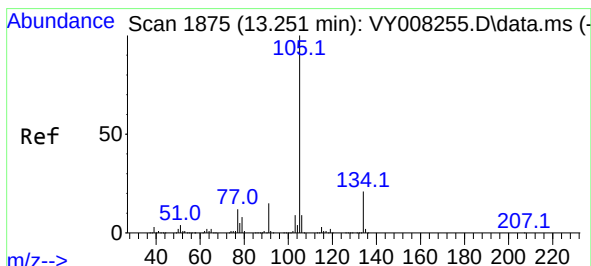
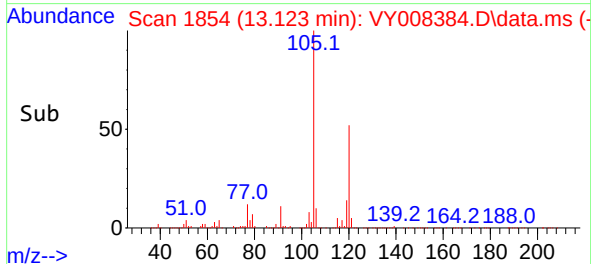
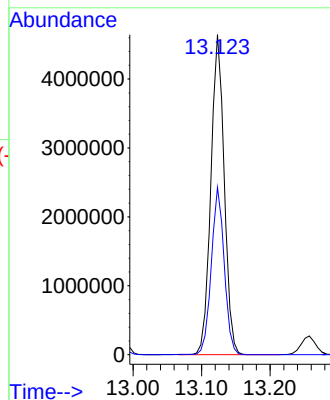
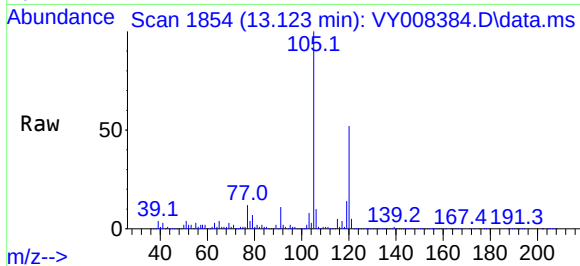




#84
1,2,4-Trimethylbenzene
Concen: 1806.435 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

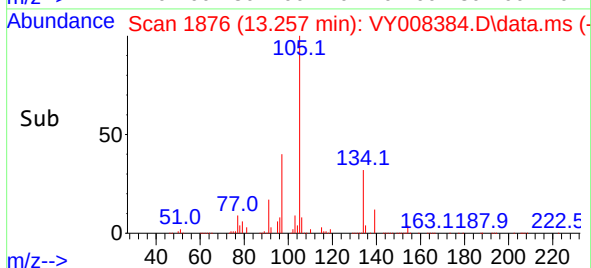
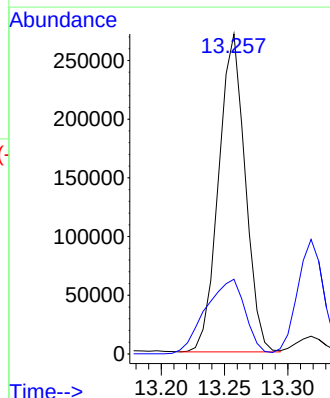
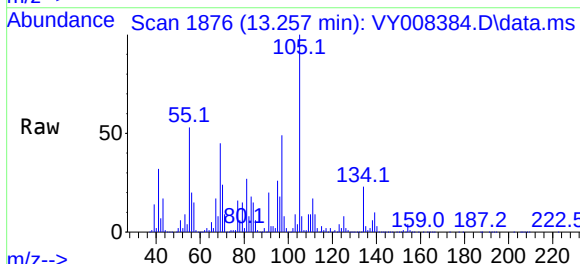
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

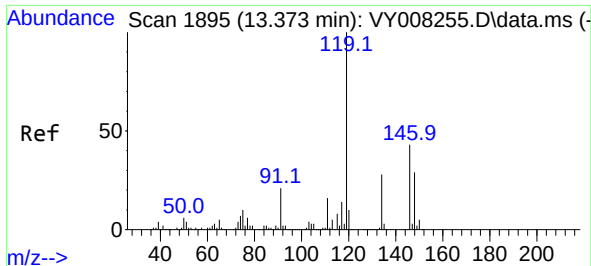
Tgt Ion:105 Resp: 6303284
Ion Ratio Lower Upper
105 100
120 50.7 22.3 66.9



#85
sec-Butylbenzene
Concen: 84.284 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion:105 Resp: 395246
Ion Ratio Lower Upper
105 100
134 34.9 10.2 30.4#

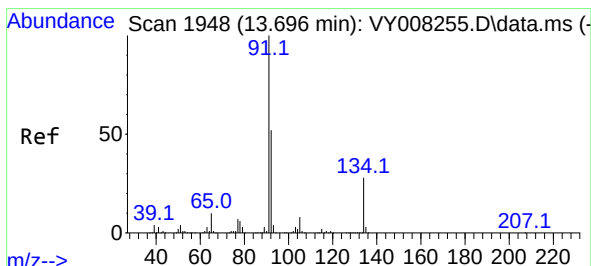
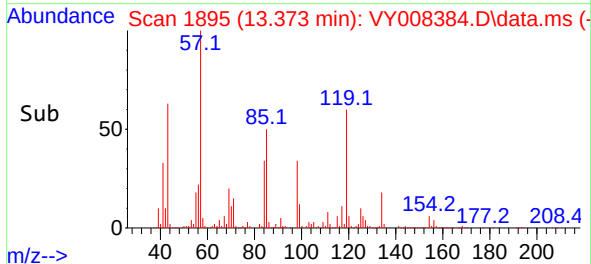
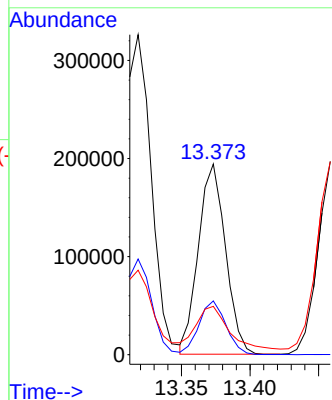
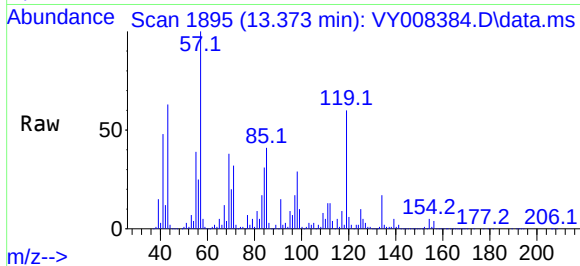




#86
p-Isopropyltoluene
Concen: 68.327 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

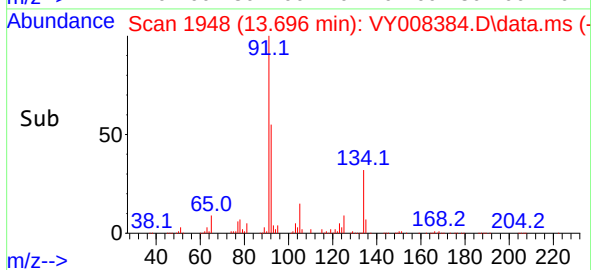
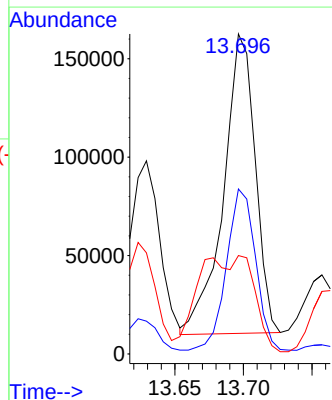
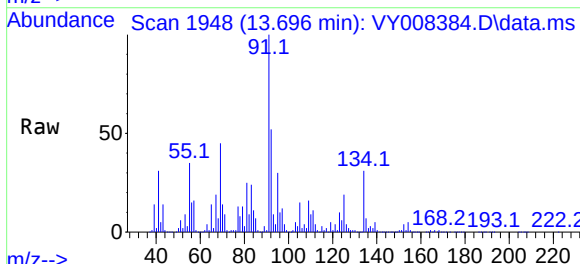
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-5-GR

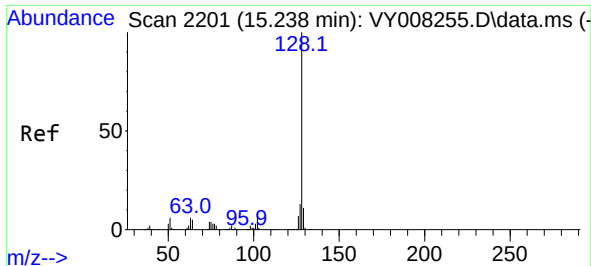
Tgt Ion:119 Resp: 267383
Ion Ratio Lower Upper
119 100
134 28.0 13.2 39.5
91 26.7 12.4 37.2



#89
n-Butylbenzene
Concen: 69.480 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008384.D
Acq: 18 Apr 2022 19:26

Tgt Ion: 91 Resp: 245655
Ion Ratio Lower Upper
91 100
92 50.2 26.3 78.9
134 29.4 13.0 38.9





#95

Naphthalene

Concen: 26.833 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.001 min

Lab File: VY008384.D

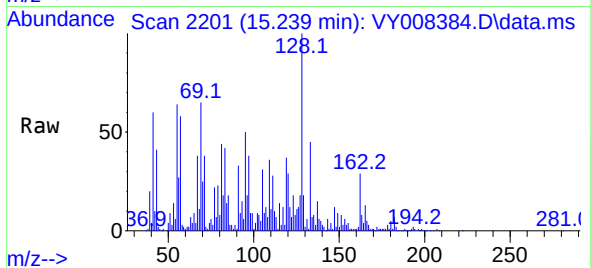
Acq: 18 Apr 2022 19:26

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-5-GR



Tgt Ion:128 Resp: 63118

Ion Ratio Lower Upper

128 100

127 23.5 11.0 16.4#

129 13.2 8.4 12.6#

