

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008406.D
 Acq On : 19 Apr 2022 19:14
 Operator : KP/MD
 Sample : N2468-09
 Misc : 4.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-8-GR

Quant Time: Apr 20 06:31:28 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)

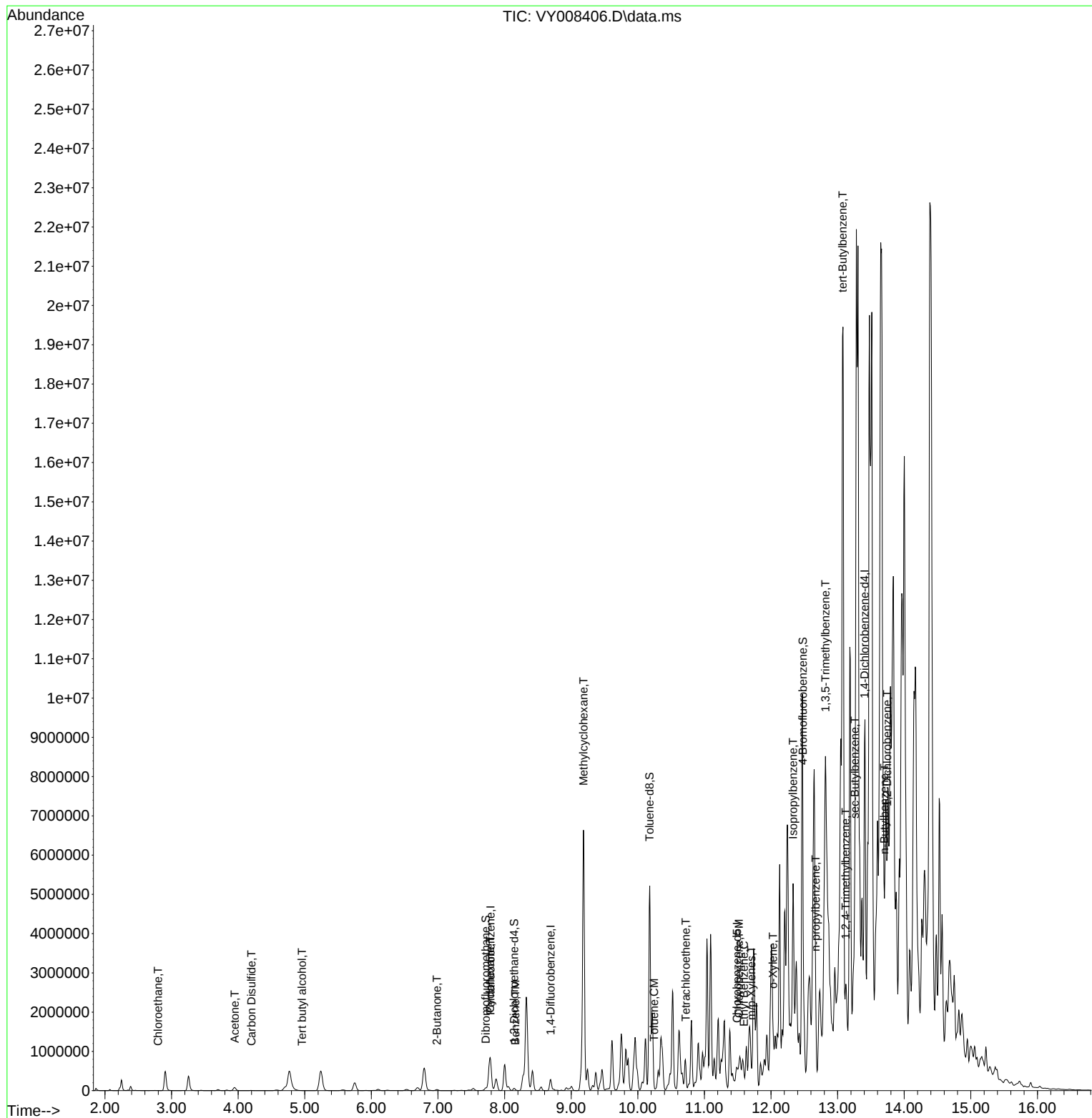
Internal Standards						
1) Pentafluorobenzene	7.789	168	96604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	101125	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.404	152	69272	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43075	47.470	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.940%
35) Dibromofluoromethane	7.716	113	46670	49.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.179	98	477922	149.633	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	299.260%#
62) 4-Bromofluorobenzene	12.477	95	156631	130.382	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	260.760%#
Target Compounds						
					Qvalue	
6) Chloroethane	2.796	64	1226	1.272	ug/l	89
11) Tert butyl alcohol	4.960	59	2507	25.842	ug/l #	77
16) Acetone	3.948	43	106195	486.560	ug/l	92
17) Carbon Disulfide	4.198	76	8646	3.440	ug/l #	90
25) 2-Butanone	6.984	43	34785	101.925	ug/l #	88
31) Cyclohexane	7.783	56	396280	241.502	ug/l	90
39) Methylcyclohexane	9.185	83	2970610	1548.968	ug/l #	80
40) Benzene	8.161	78	6490	1.462	ug/l	94
52) Toluene	10.246	92	4300	1.470	ug/l #	61
64) Tetrachloroethene	10.721	164	1751	2.457	ug/l	90
65) Chlorobenzene	11.520	112	188902	86.138	ug/l	97
67) Ethyl Benzene	11.593	91	8601	2.306	ug/l	97
68) m/p-Xylenes	11.703	106	12768	8.608	ug/l	75
69) o-Xylene	12.032	106	19416	13.489	ug/l	65
73) Isopropylbenzene	12.331	105	2324502	451.339	ug/l	97
78) n-propylbenzene	12.672	91	101508	16.703	ug/l	90
80) 1,3,5-Trimethylbenzene	12.818	105	570120	134.999	ug/l	95
83) tert-Butylbenzene	13.074	119	231864	61.200	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	565781	135.374	ug/l	95
85) sec-Butylbenzene	13.257	105	906085	161.317	ug/l #	75
89) n-Butylbenzene	13.702	91	514041	121.385	ug/l #	73
91) 1,2-Dichlorobenzene	13.745	146	146862	66.042	ug/l #	62

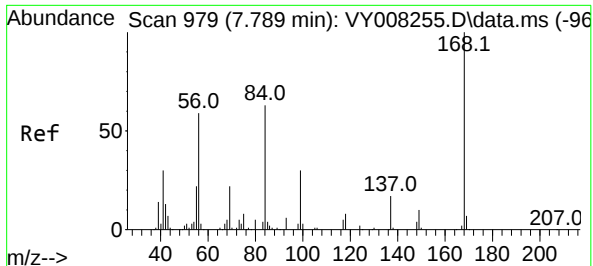
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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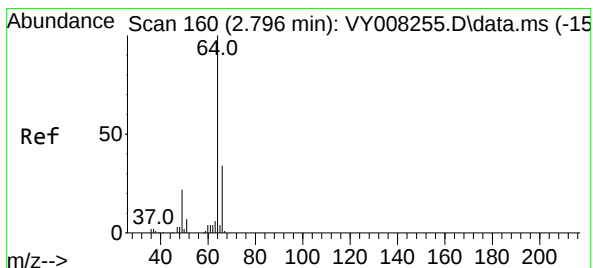
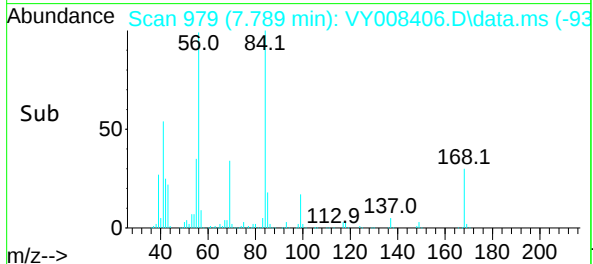
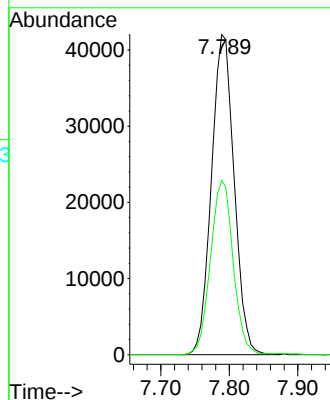
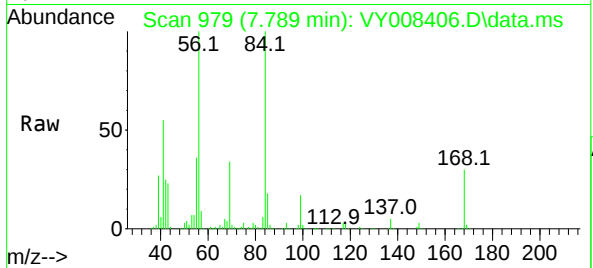




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

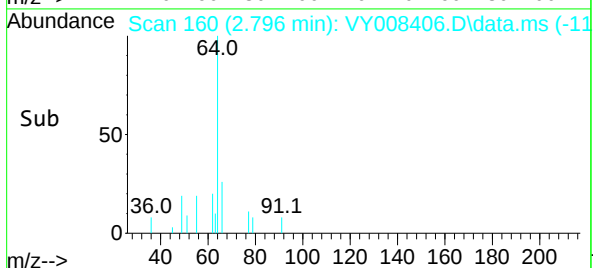
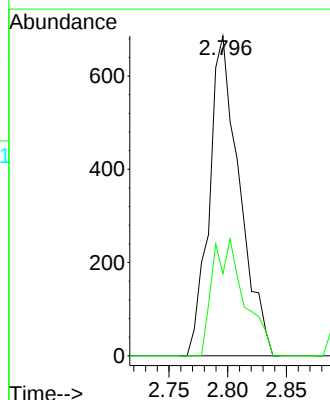
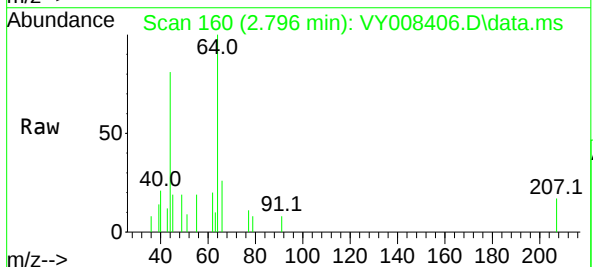
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

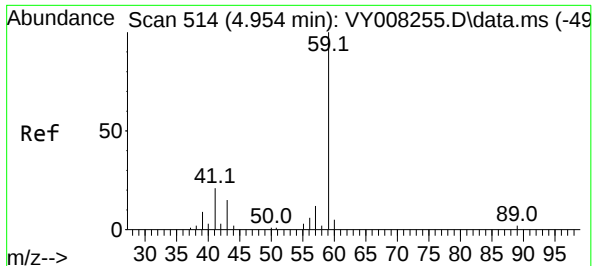
Tgt Ion:168 Resp: 96604
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#6
Chloroethane
Concen: 1.272 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 64 Resp: 1226
Ion Ratio Lower Upper
64 100
66 25.7 25.4 38.0

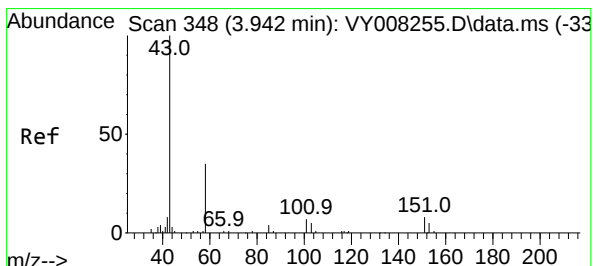
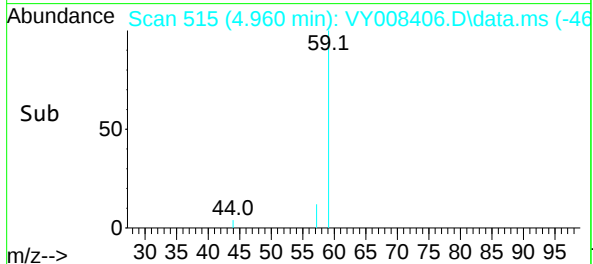
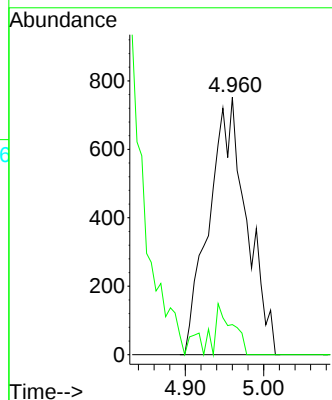
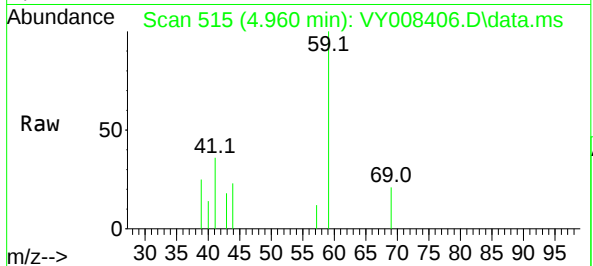




#11
Tert butyl alcohol
Concen: 25.842 ug/l
RT: 4.960 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

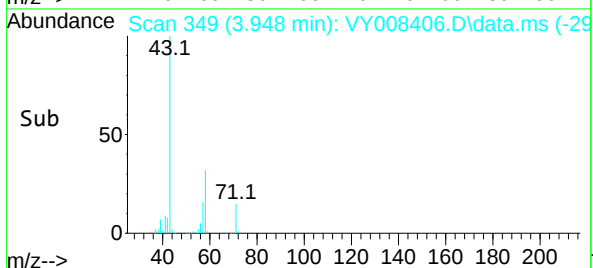
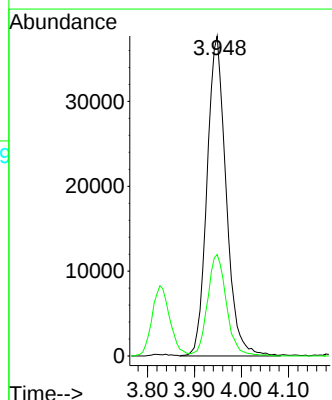
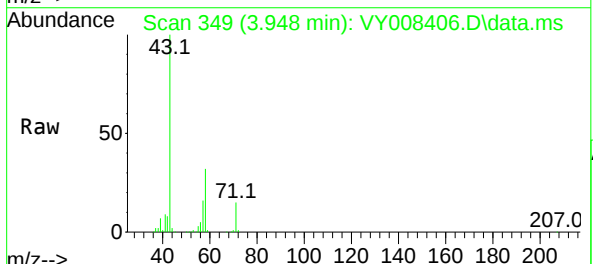
Instrument :
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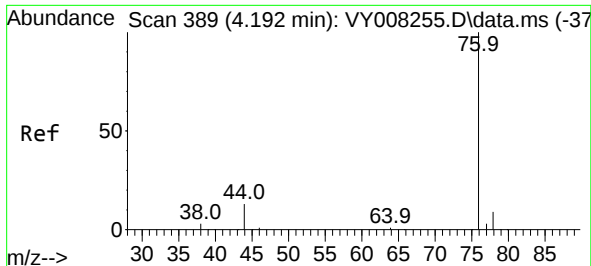
Tgt Ion: 59 Resp: 2507
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 486.560 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 43 Resp: 106195
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0

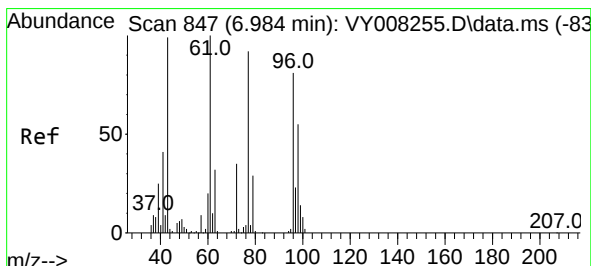
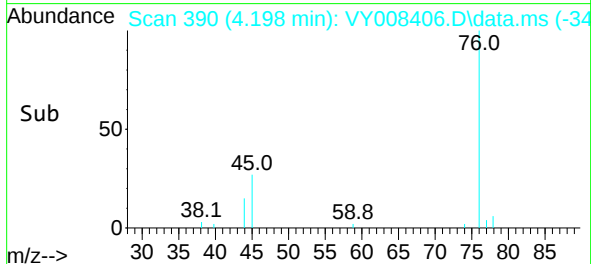
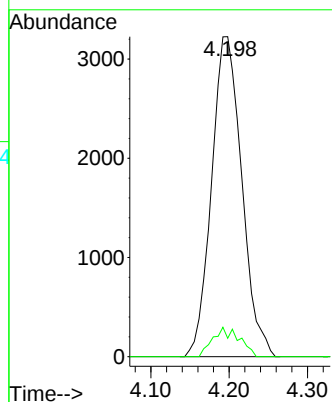
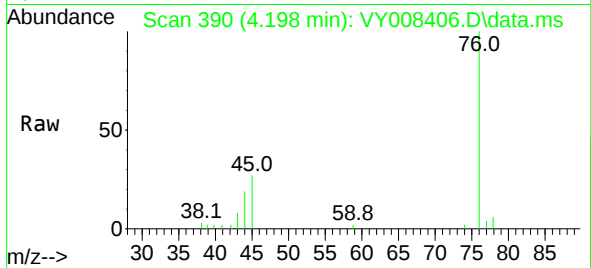




#17
Carbon Disulfide
Concen: 3.440 ug/l
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

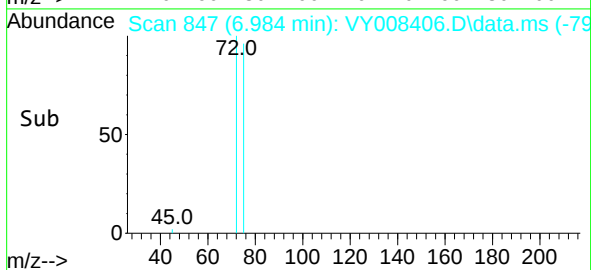
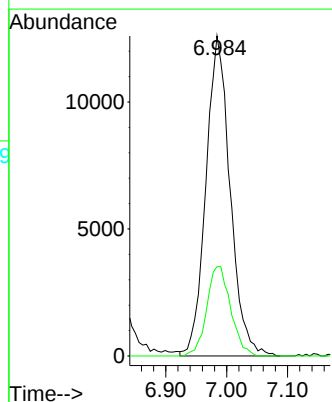
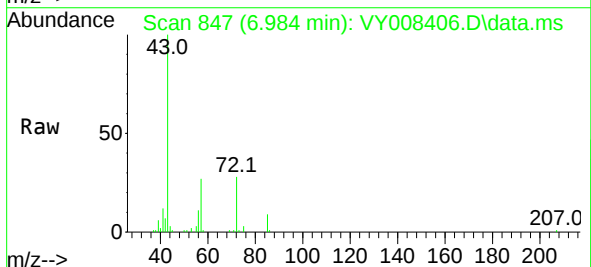
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

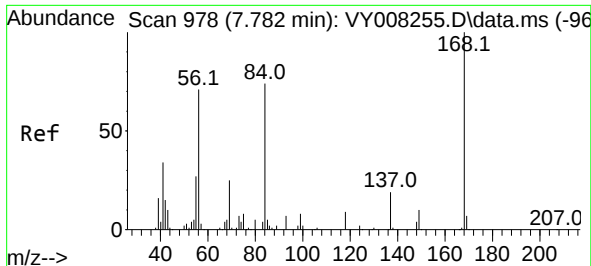
Tgt Ion: 76 Resp: 8646
Ion Ratio Lower Upper
76 100
78 5.7 7.4 11.0#



#25
2-Butanone
Concen: 101.925 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 43 Resp: 34785
Ion Ratio Lower Upper
43 100
72 27.9 17.7 26.5#

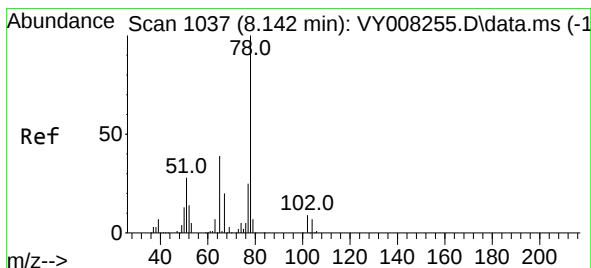
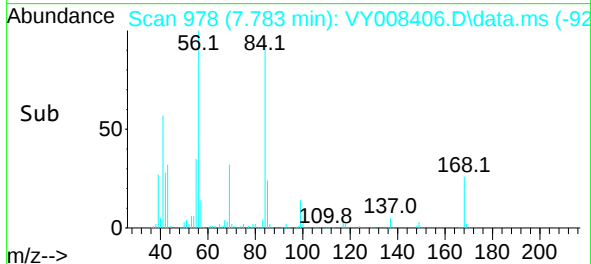
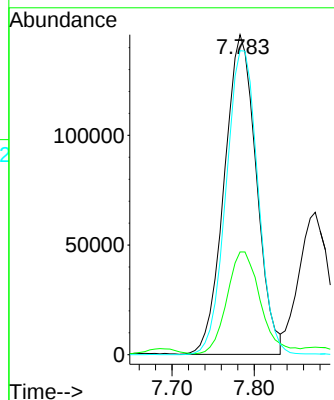
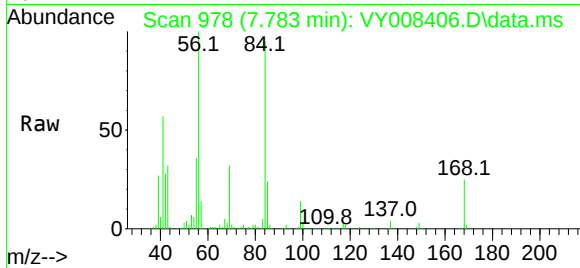




#31
Cyclohexane
Concen: 241.502 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

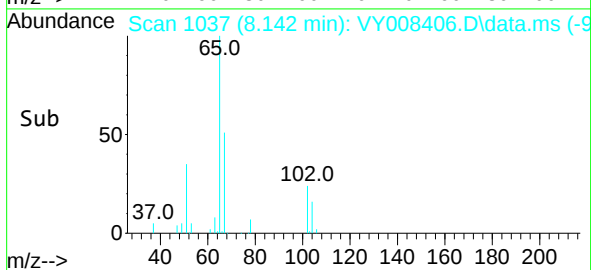
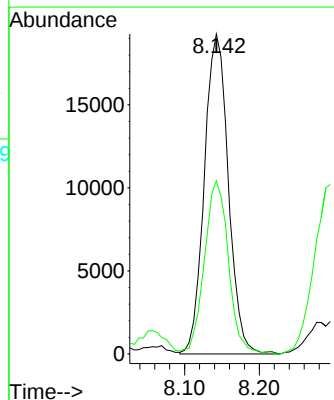
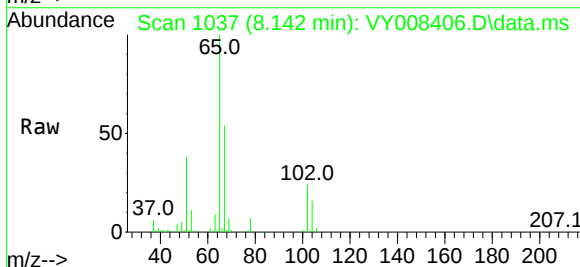
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

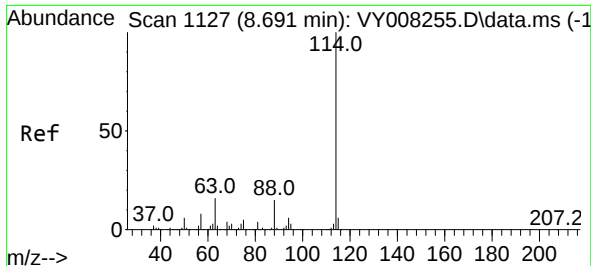
Tgt Ion: 56 Resp: 396280
Ion Ratio Lower Upper
56 100
69 31.3 26.7 40.1
84 95.1 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 47.470 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 65 Resp: 43075
Ion Ratio Lower Upper
65 100
67 54.3 0.0 99.4

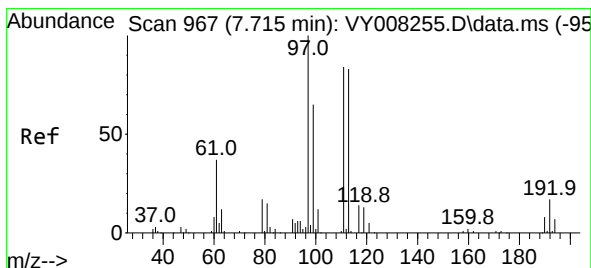
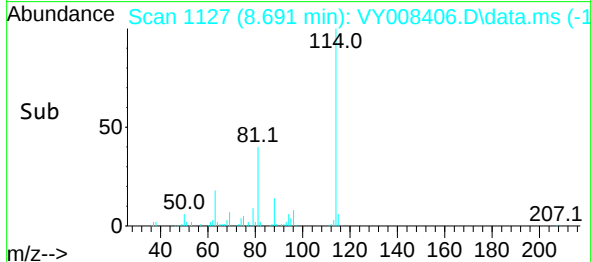
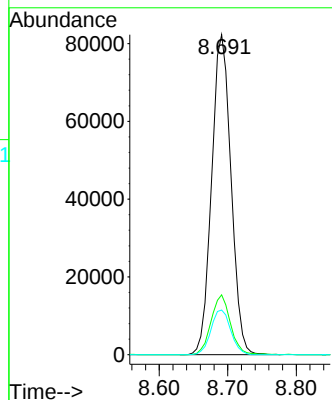
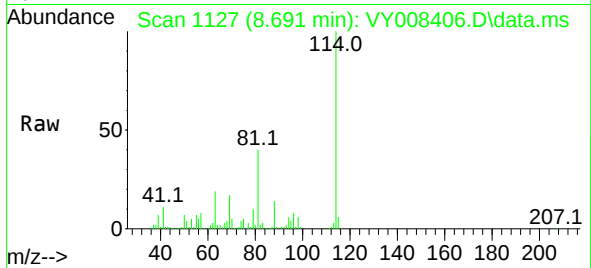




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

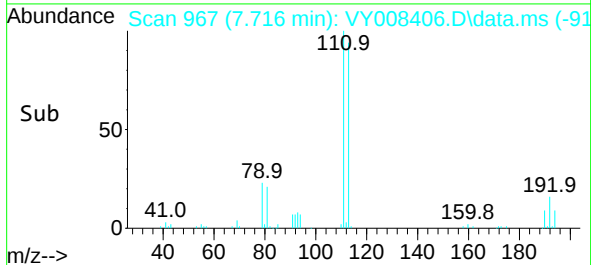
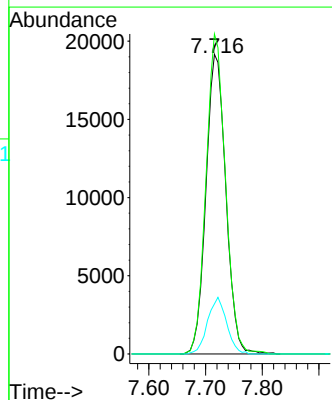
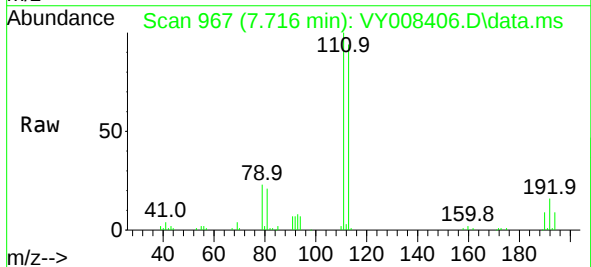
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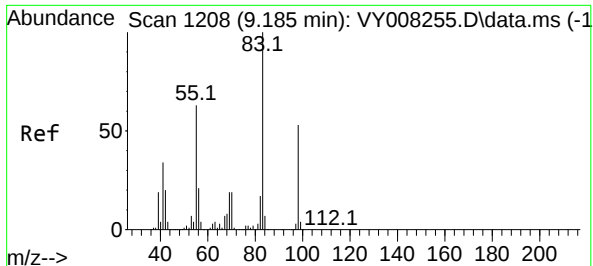
Tgt Ion:114 Resp: 161607
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.2
88 13.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.999 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion:113 Resp: 46670
Ion Ratio Lower Upper
113 100
111 104.5 82.6 124.0
192 18.1 17.6 26.4





#39

Methylcyclohexane

Concen: 1548.968 ug/l

RT: 9.185 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008406.D

Acq: 19 Apr 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-8-GR

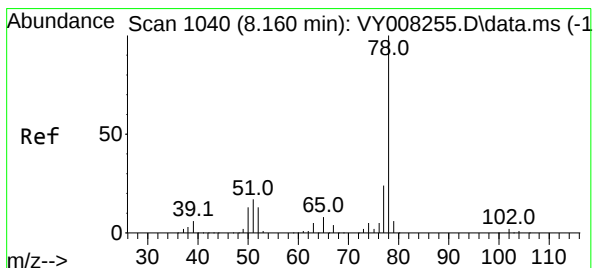
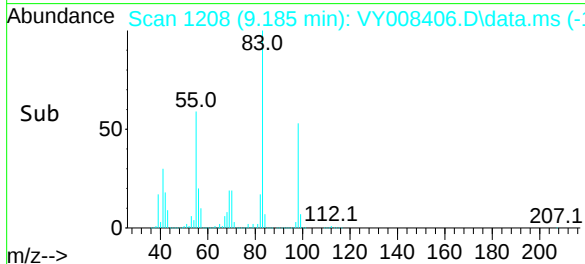
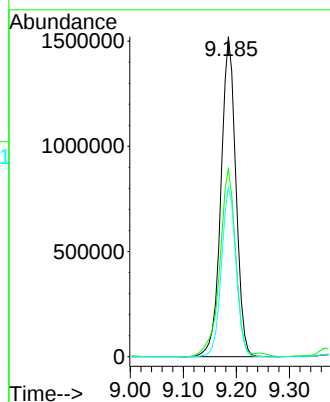
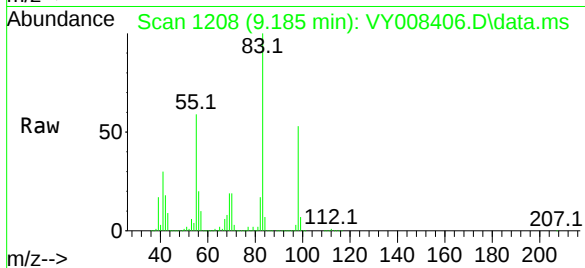
Tgt Ion: 83 Resp: 2970610

Ion Ratio Lower Upper

83 100

55 58.6 66.5 99.7#

98 52.8 37.9 56.9



#40

Benzene

Concen: 1.462 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.001 min

Lab File: VY008406.D

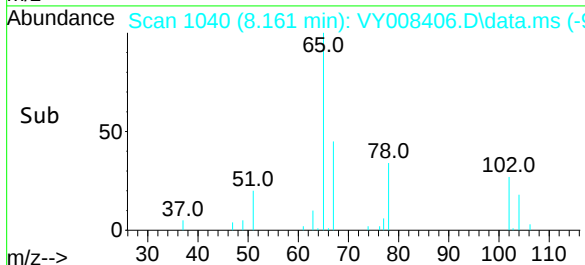
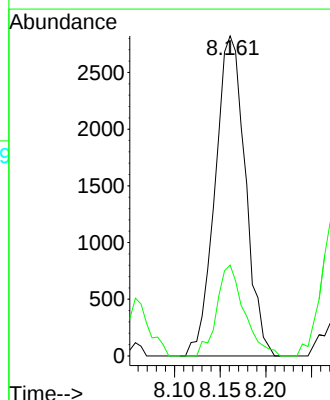
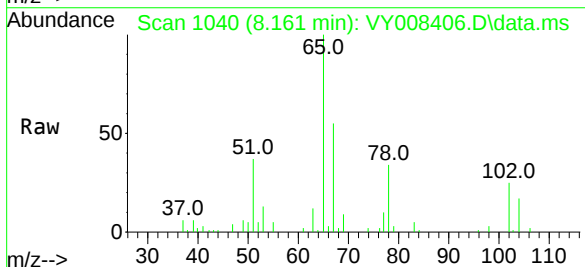
Acq: 19 Apr 2022 19:14

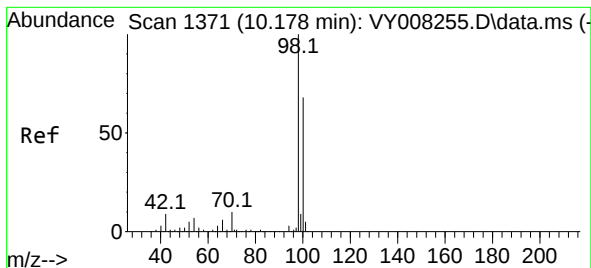
Tgt Ion: 78 Resp: 6490

Ion Ratio Lower Upper

78 100

77 28.4 20.4 30.6

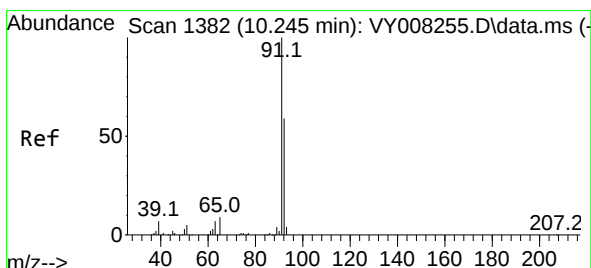
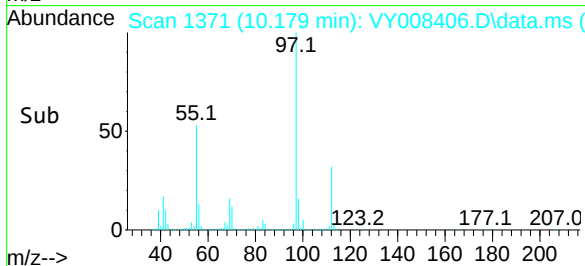
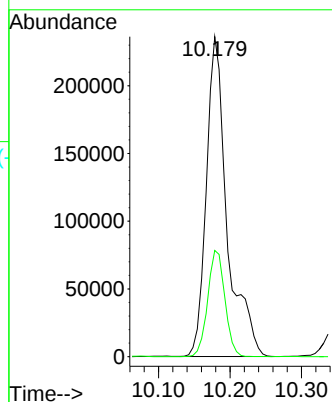
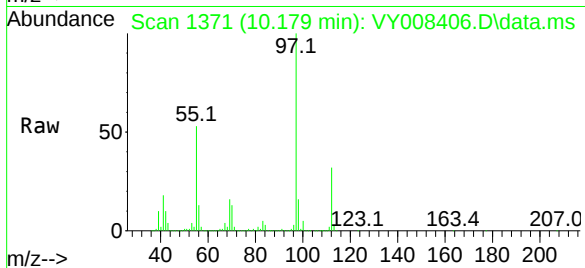




#50
Toluene-d8
Concen: 149.633 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

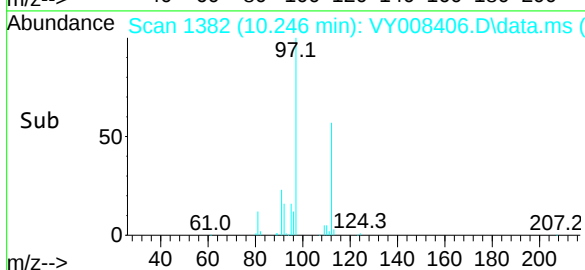
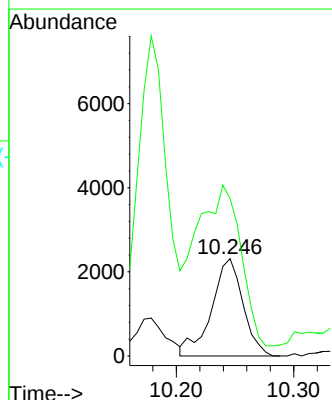
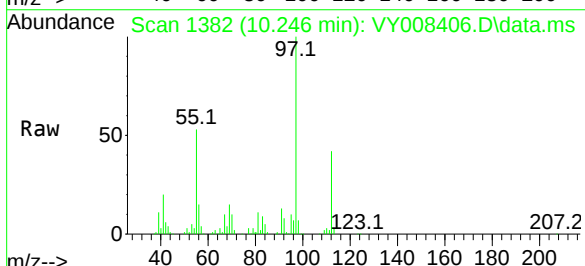
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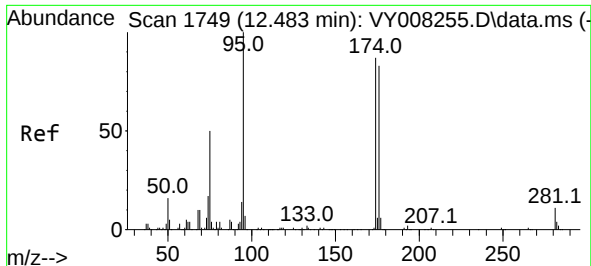
Tgt Ion: 98 Resp: 477922
Ion Ratio Lower Upper
98 100
100 27.4 50.2 75.2#



#52
Toluene
Concen: 1.470 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 92 Resp: 4300
Ion Ratio Lower Upper
92 100
91 232.6 142.6 213.8#

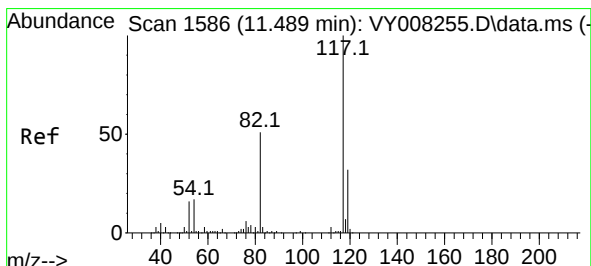
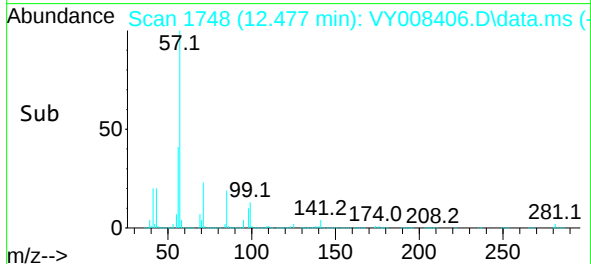
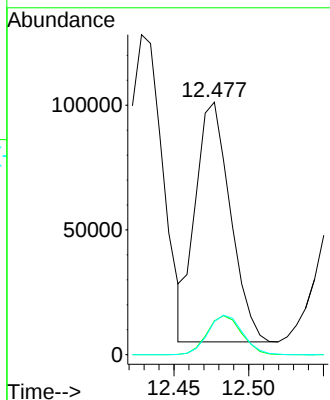
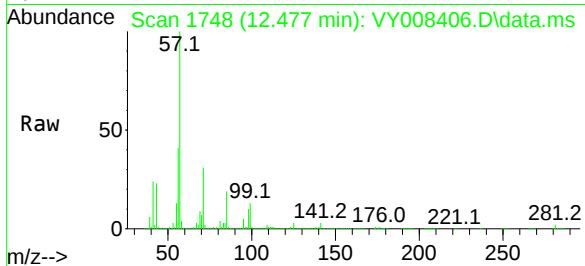




#62
4-Bromofluorobenzene
Concen: 130.382 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

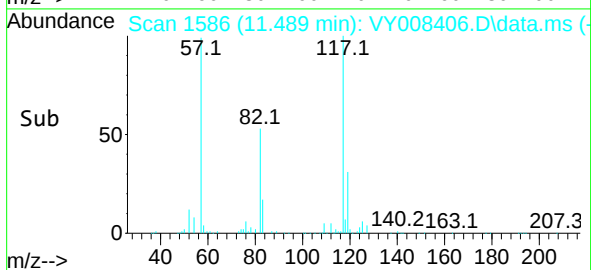
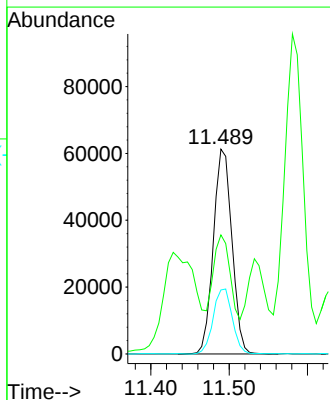
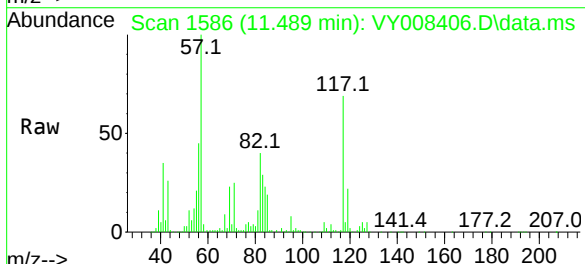
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

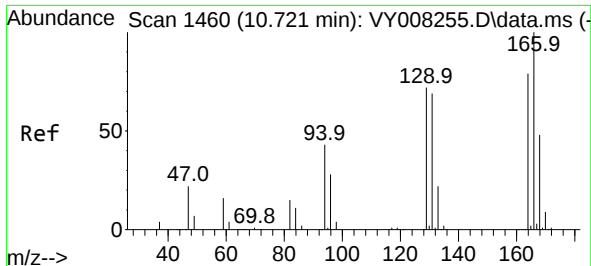
Tgt Ion: 95 Resp: 156631
Ion Ratio Lower Upper
95 100
174 16.0 0.0 177.0
176 16.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 117 Resp: 101125
Ion Ratio Lower Upper
117 100
82 22.6 43.0 64.4#
119 31.1 25.4 38.0

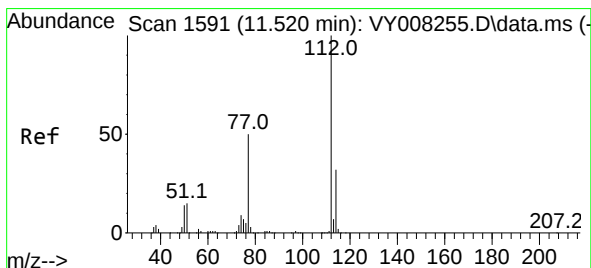
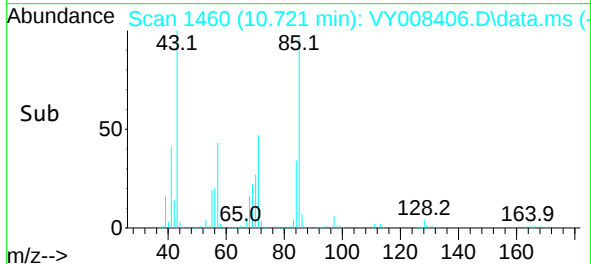
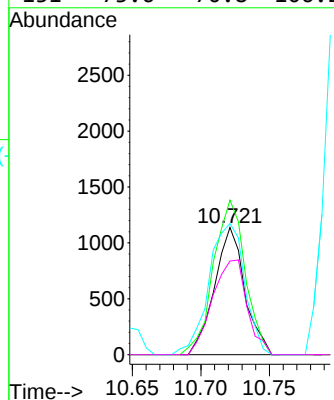
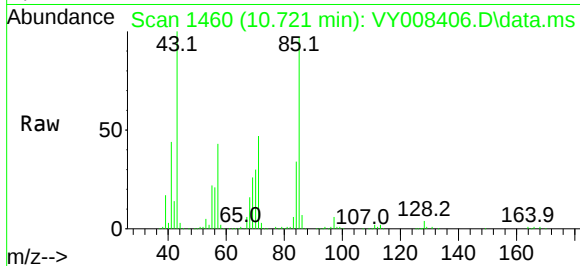




#64
Tetrachloroethene
Concen: 2.457 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

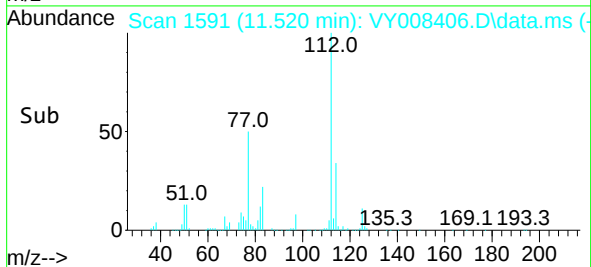
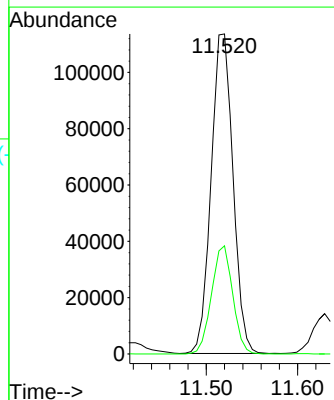
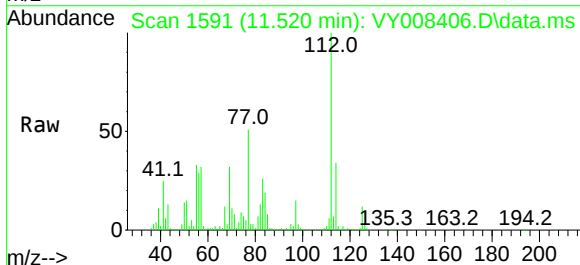
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

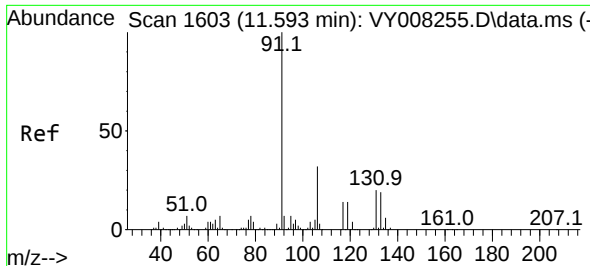
Tgt Ion:164 Resp: 1751
Ion Ratio Lower Upper
164 100
166 121.5 100.4 150.6
129 103.2 71.4 107.0
131 73.6 70.8 106.2



#65
Chlorobenzene
Concen: 86.138 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion:112 Resp: 188902
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.6

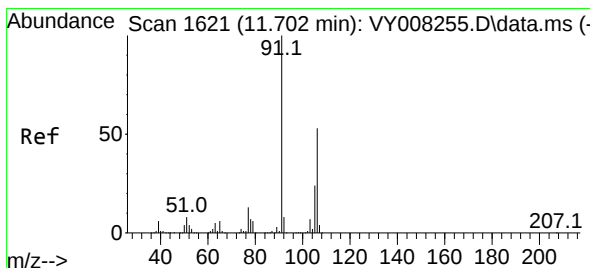
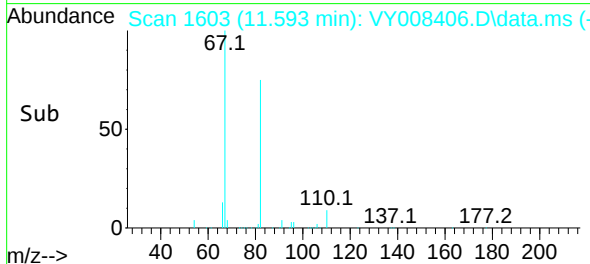
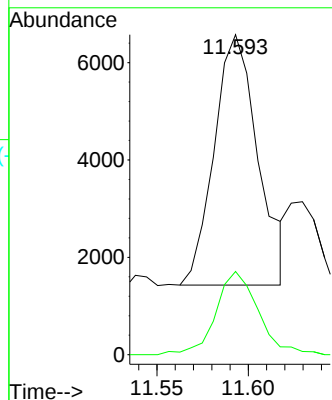
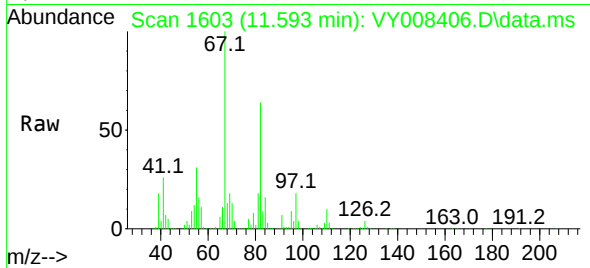




#67
Ethyl Benzene
Concen: 2.306 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

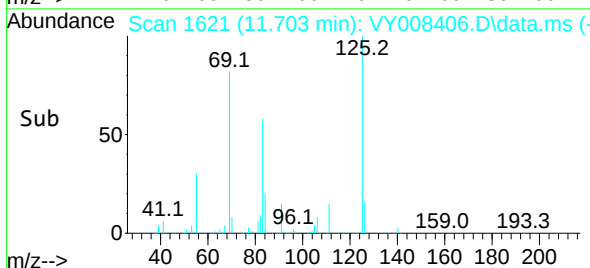
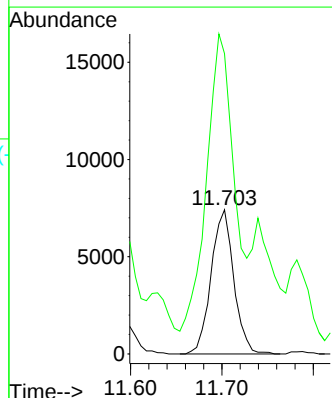
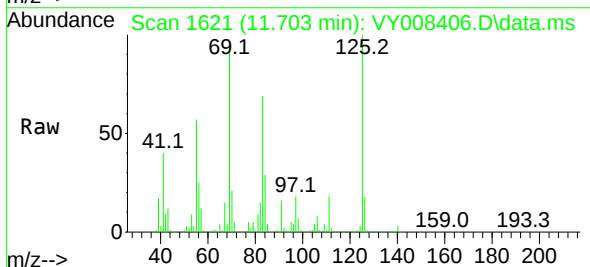
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

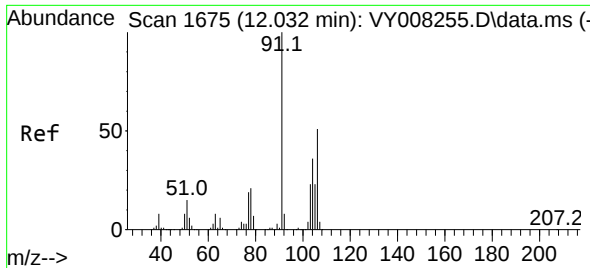
Tgt Ion: 91 Resp: 8601
Ion Ratio Lower Upper
91 100
106 32.2 24.5 36.7



#68
m/p-Xylenes
Concen: 8.608 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 106 Resp: 12768
Ion Ratio Lower Upper
106 100
91 247.1 166.6 249.8

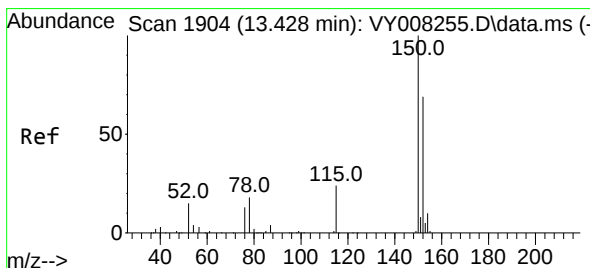
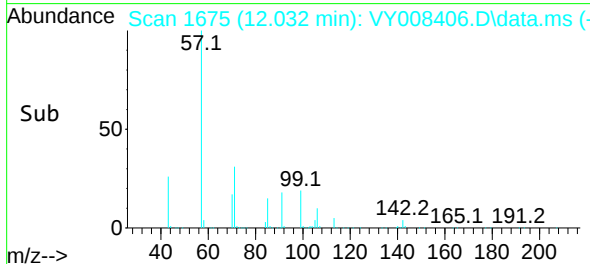
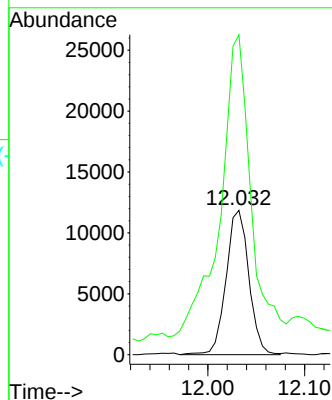
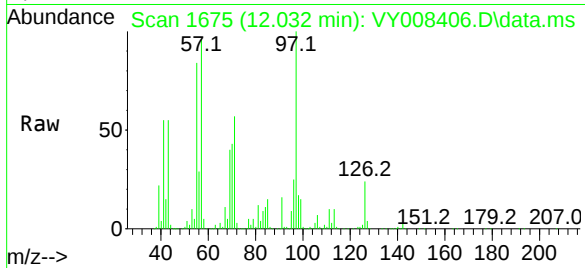




#69
o-Xylene
Concen: 13.489 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

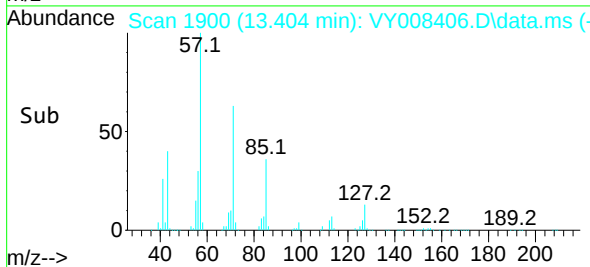
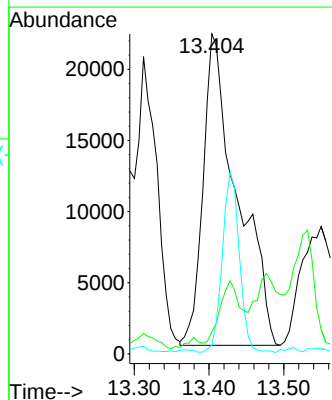
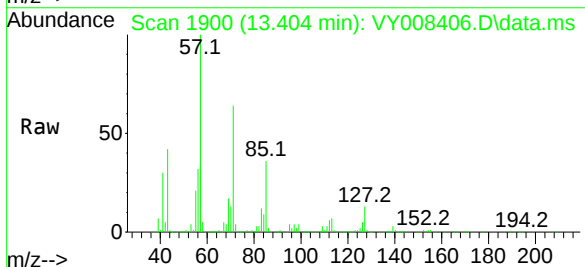
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

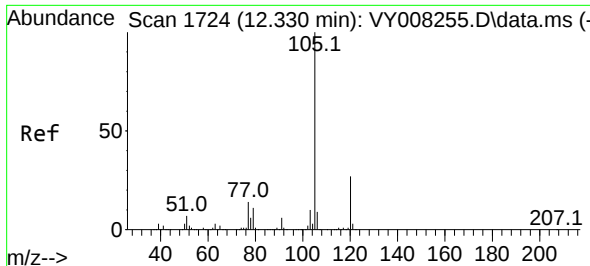
Tgt Ion:106 Resp: 19416
Ion Ratio Lower Upper
106 100
91 276.9 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.404 min Scan# 1900
Delta R.T. -0.024 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion:152 Resp: 69272
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 0.0 0.0 347.6

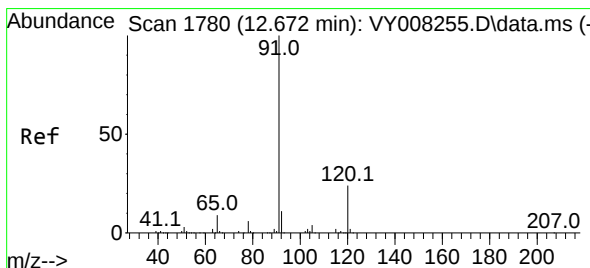
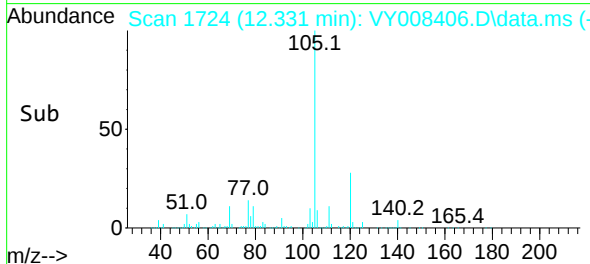
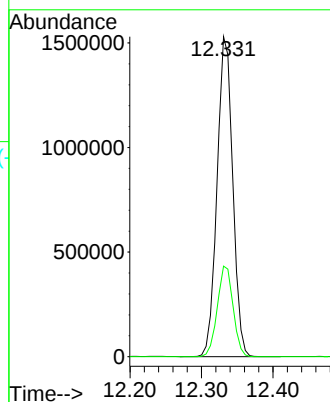
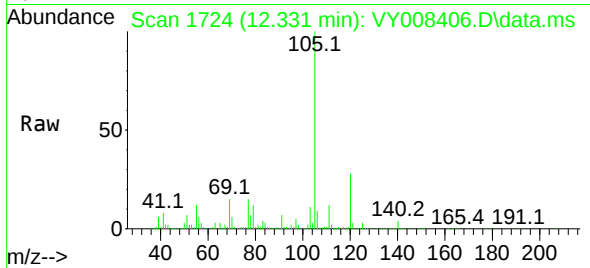




#73
Isopropylbenzene
Concen: 451.339 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

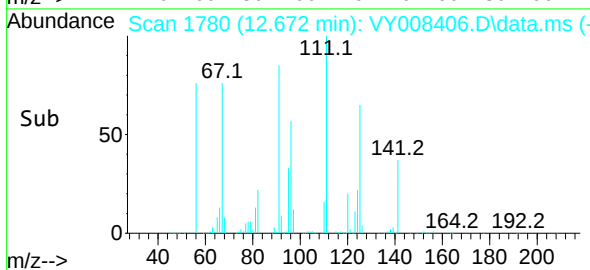
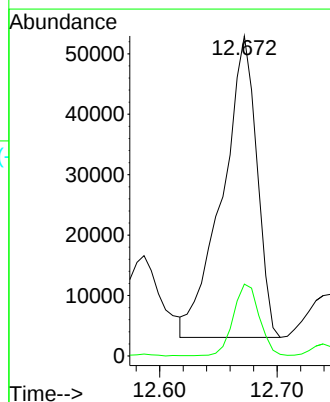
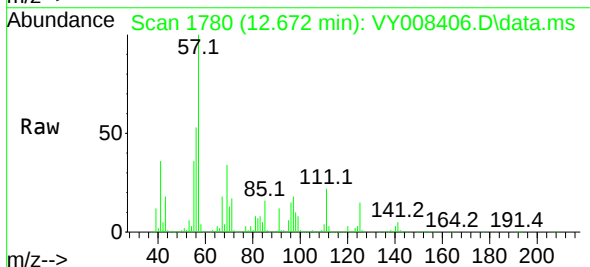
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

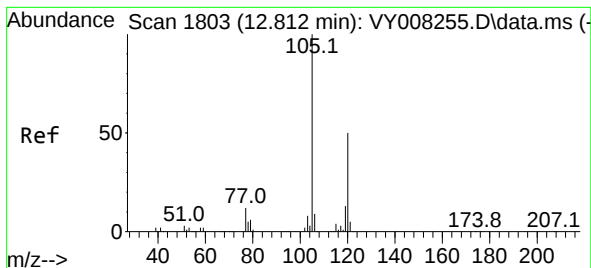
Tgt Ion:105 Resp: 2324502
Ion Ratio Lower Upper
105 100
120 28.5 13.4 40.2



#78
n-propylbenzene
Concen: 16.703 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion: 91 Resp: 101508
Ion Ratio Lower Upper
91 100
120 17.9 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 134.999 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY008406.D

Acq: 19 Apr 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

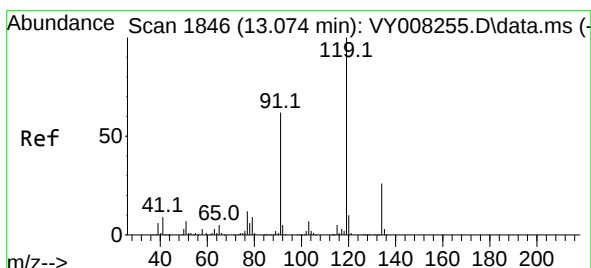
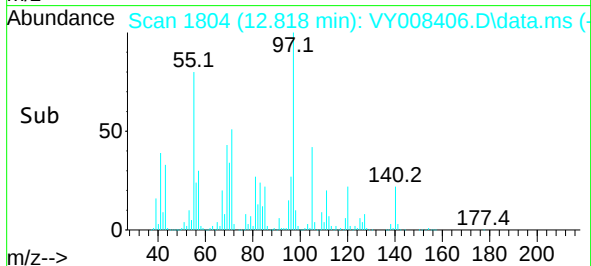
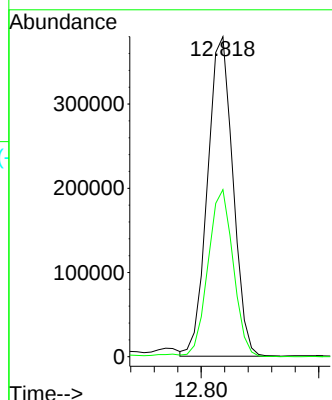
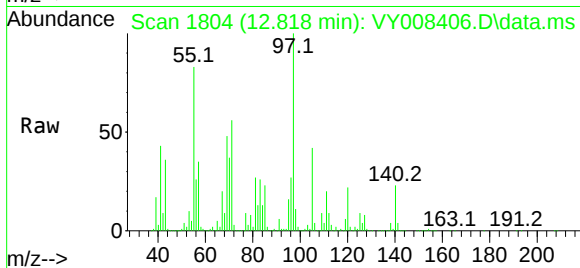
WC-15-1-8-GR

Tgt Ion:105 Resp: 570120

Ion Ratio Lower Upper

105 100

120 52.4 24.4 73.4



#83

tert-Butylbenzene

Concen: 61.200 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY008406.D

Acq: 19 Apr 2022 19:14

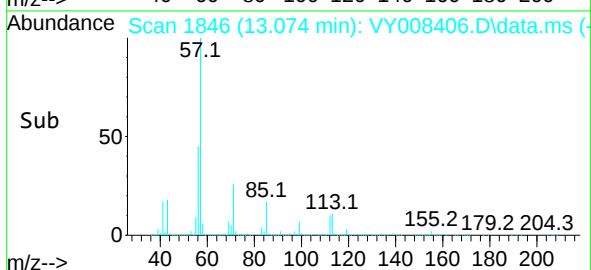
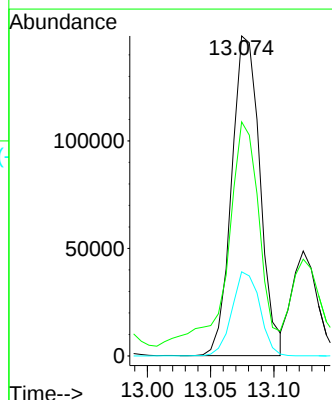
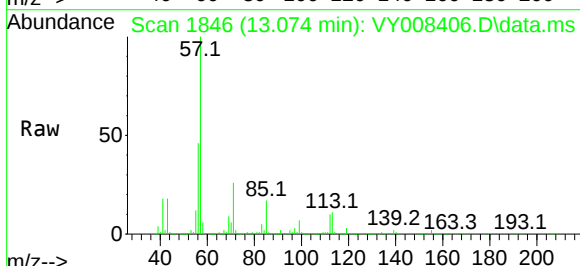
Tgt Ion:119 Resp: 231864

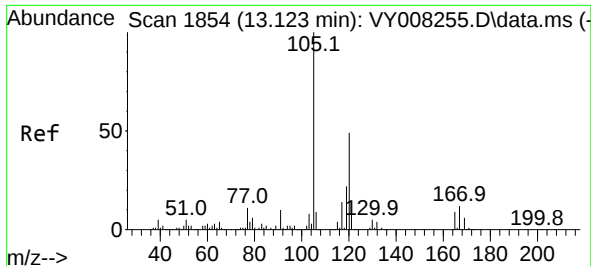
Ion Ratio Lower Upper

119 100

91 76.4 34.8 104.4

134 26.0 13.3 39.9

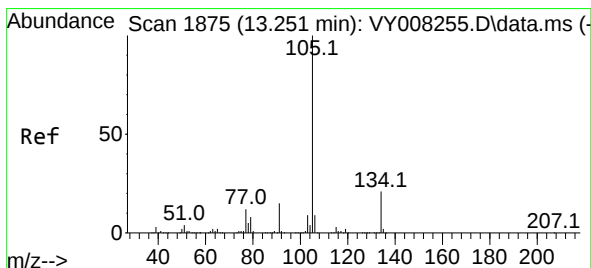
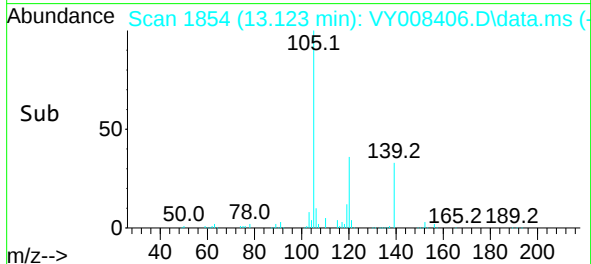
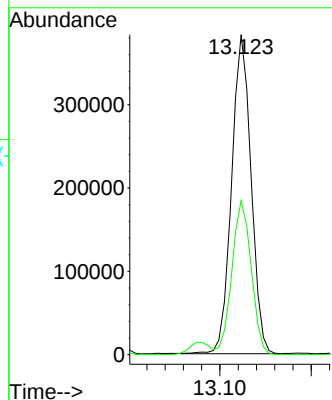
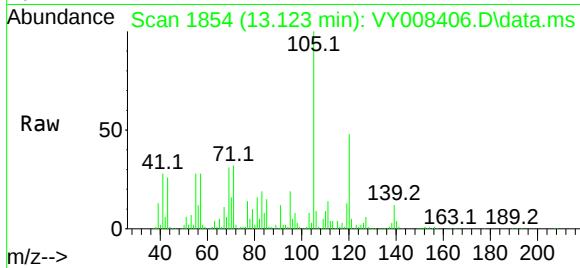




#84
1,2,4-Trimethylbenzene
Concen: 135.374 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

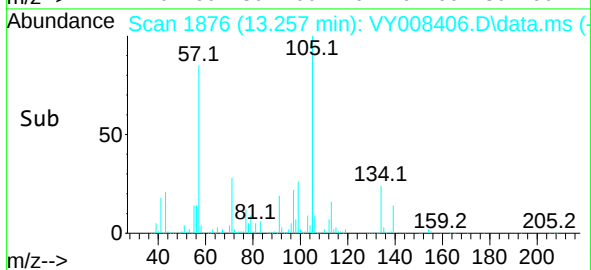
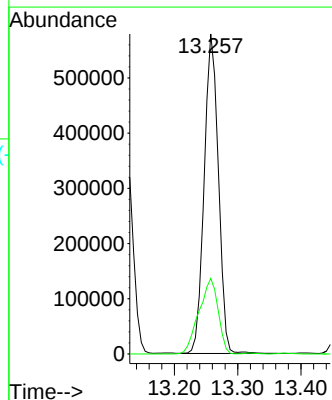
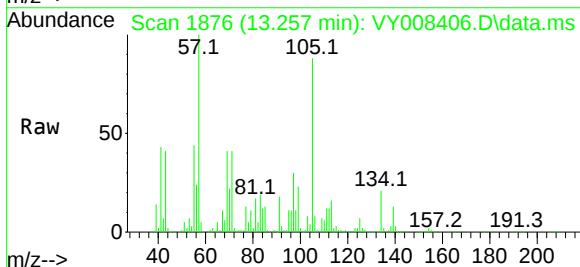
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-8-GR

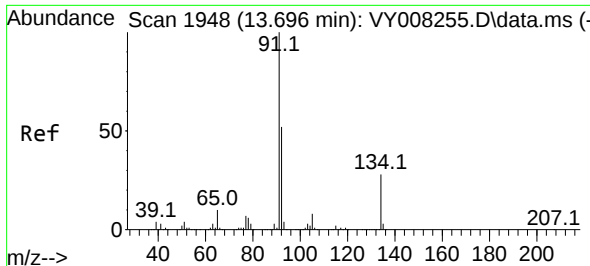
Tgt Ion:105 Resp: 565781
Ion Ratio Lower Upper
105 100
120 47.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 161.317 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008406.D
Acq: 19 Apr 2022 19:14

Tgt Ion:105 Resp: 906085
Ion Ratio Lower Upper
105 100
134 31.7 10.2 30.4#





#89

n-Butylbenzene

Concen: 121.385 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY008406.D

Acq: 19 Apr 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-8-GR

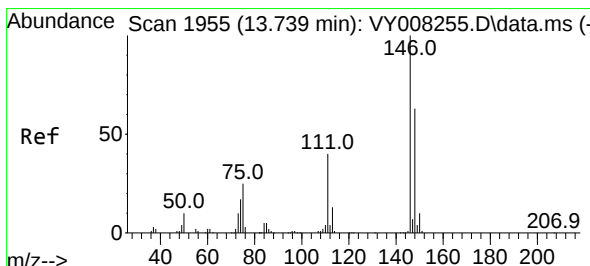
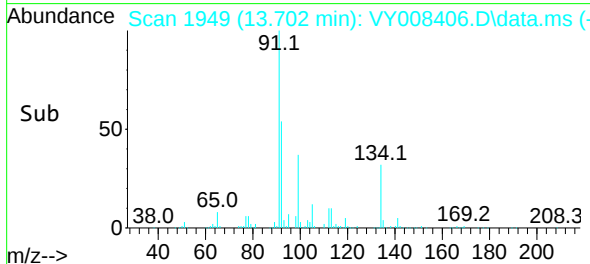
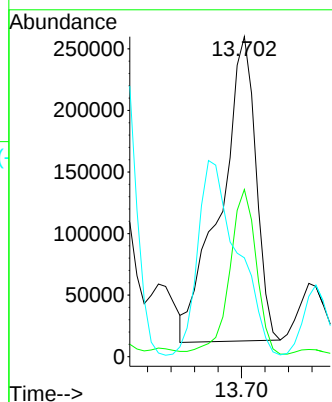
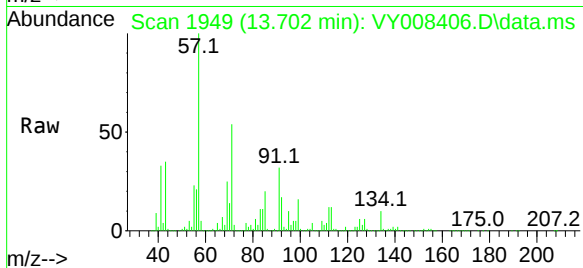
Tgt Ion: 91 Resp: 514041

Ion Ratio Lower Upper

91 100

92 41.9 26.3 78.9

134 0.0 13.0 38.9#



#91

1,2-Dichlorobenzene

Concen: 66.042 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VY008406.D

Acq: 19 Apr 2022 19:14

Tgt Ion:146 Resp: 146862

Ion Ratio Lower Upper

146 100

111 101.3 20.3 60.9#

148 63.8 32.3 96.9

