

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008385.D
 Acq On : 18 Apr 2022 19:50
 Operator : KP/MD
 Sample : N2452-07
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-4-GR

Quant Time: Apr 19 06:33:10 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)

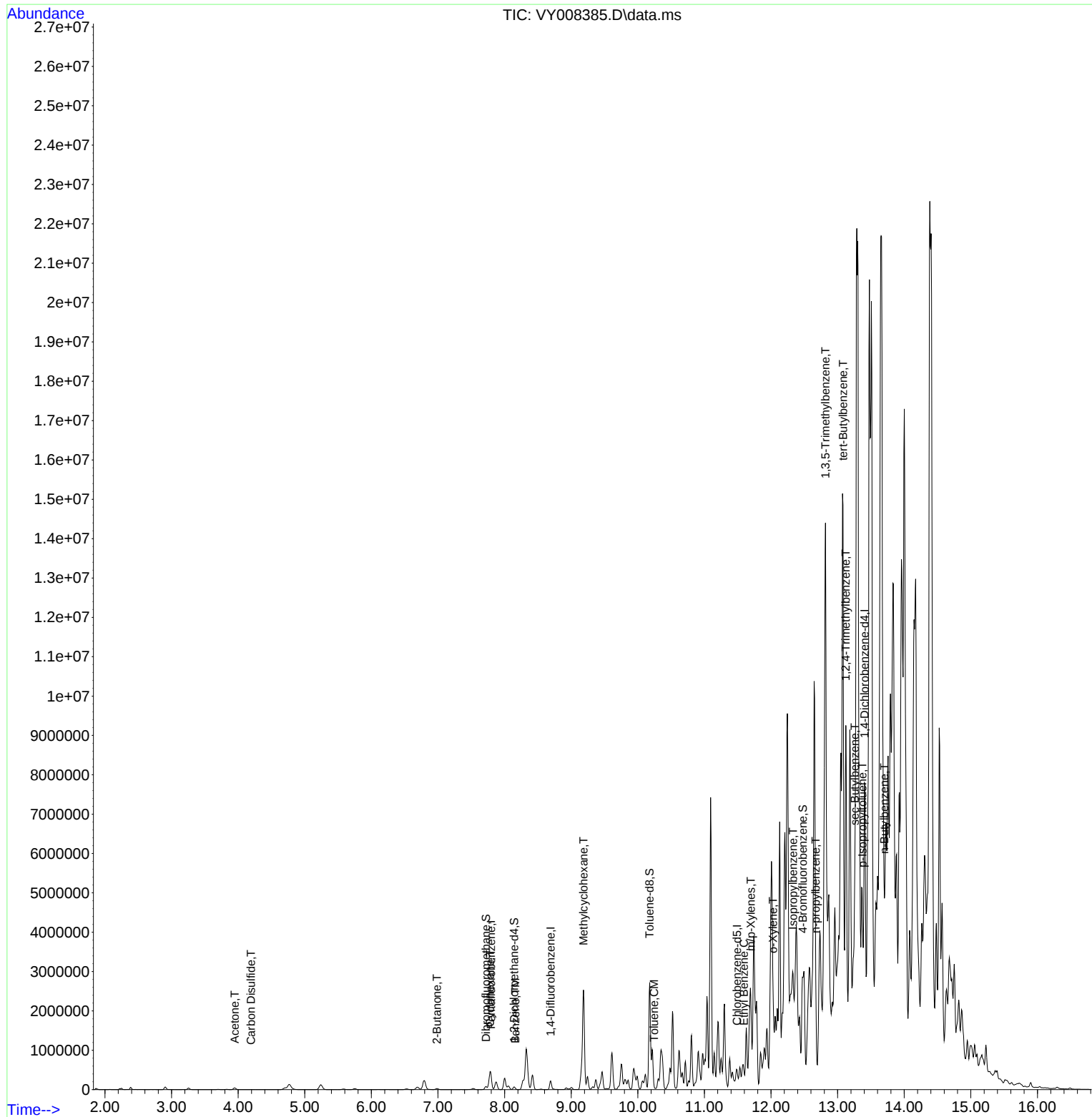
Internal Standards						
1) Pentafluorobenzene	7.795	168	115425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	181992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	109120	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.404	152	103395	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50543	46.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.240%
35) Dibromofluoromethane	7.722	113	55903	53.182	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.360%
50) Toluene-d8	10.179	98	331756	92.235	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	184.480%#
62) 4-Bromofluorobenzene	12.477	95	213158	157.561	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	315.120%#
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	69721	267.357	ug/l #	86
17) Carbon Disulfide	4.192	76	4061	1.352	ug/l	98
25) 2-Butanone	6.984	43	36107	88.547	ug/l #	81
31) Cyclohexane	7.783	56	186356	95.051	ug/l #	82
39) Methylcyclohexane	9.185	83	1220402	565.077	ug/l #	80
40) Benzene	8.161	78	6974	1.395	ug/l	97
52) Toluene	10.246	92	7403	2.248	ug/l	89
67) Ethyl Benzene	11.593	91	55668	13.833	ug/l	93
68) m/p-Xylenes	11.697	106	292115	182.517	ug/l	94
69) o-Xylene	12.032	106	119267	76.791	ug/l	98
73) Isopropylbenzene	12.331	105	347712	45.232	ug/l	98
78) n-propylbenzene	12.672	91	503973	55.559	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	2314831	367.232	ug/l	96
83) tert-Butylbenzene	13.081	119	159575	28.219	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	3474123	556.919	ug/l	93
85) sec-Butylbenzene	13.257	105	488297	58.244	ug/l #	66
86) p-Isopropyltoluene	13.373	119	190551	27.237	ug/l	94
89) n-Butylbenzene	13.702	91	197895	31.308	ug/l #	69

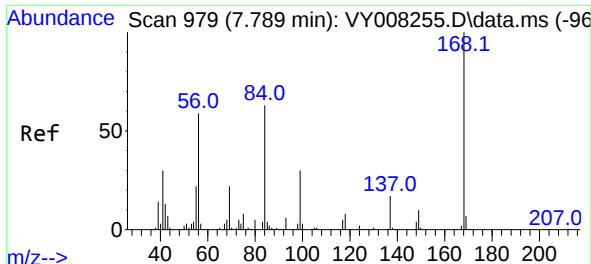
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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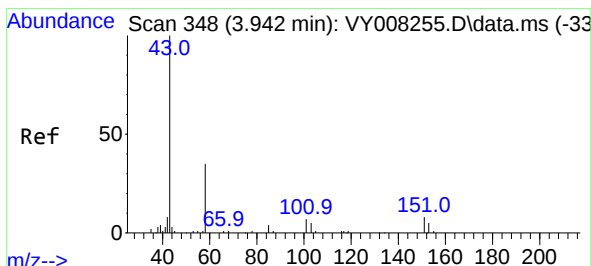
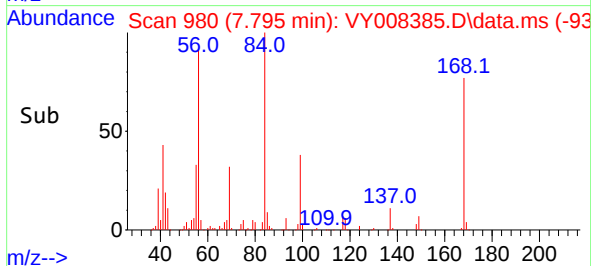
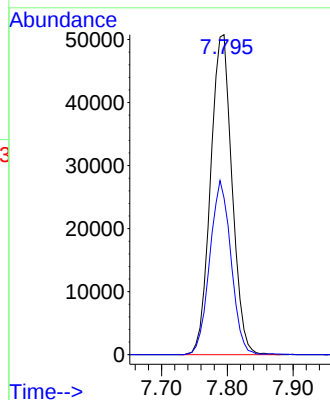
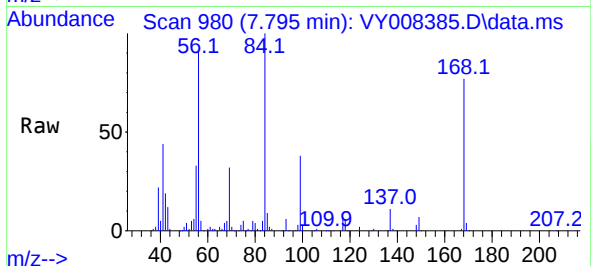




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

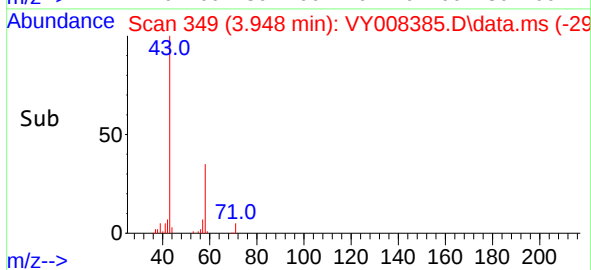
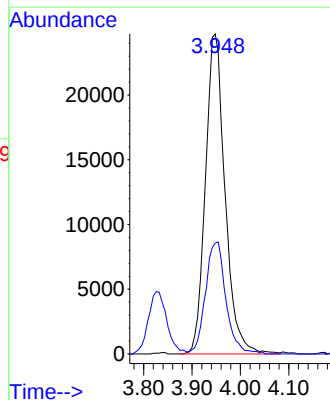
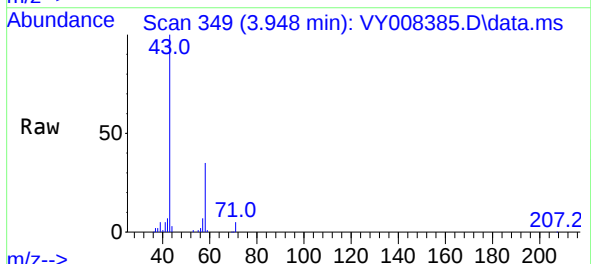
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

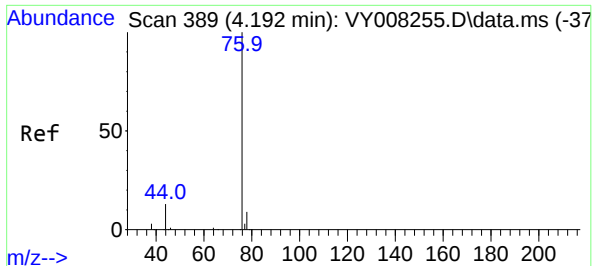
Tgt Ion:168 Resp: 115425
Ion Ratio Lower Upper
168 100
99 48.9 46.9 70.3



#16
Acetone
Concen: 267.357 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 43 Resp: 69721
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#

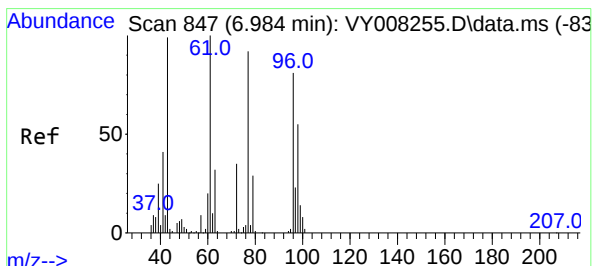
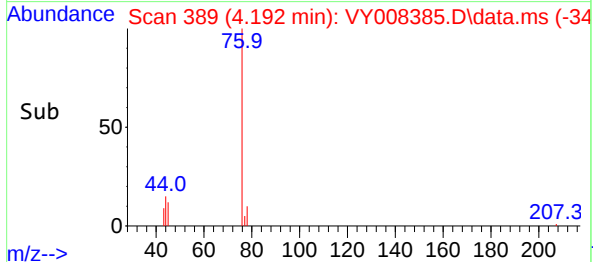
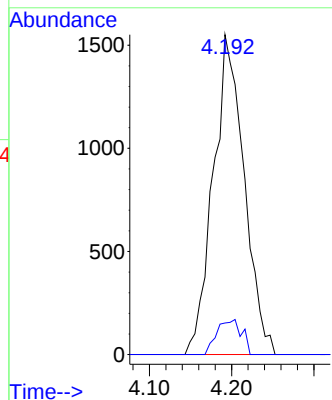
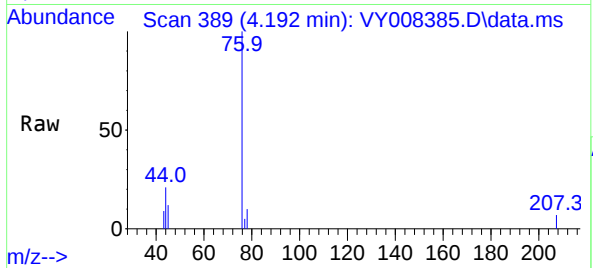




#17
Carbon Disulfide
Concen: 1.352 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

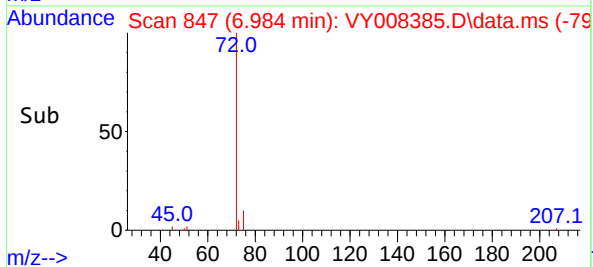
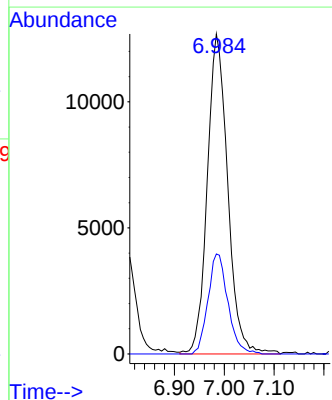
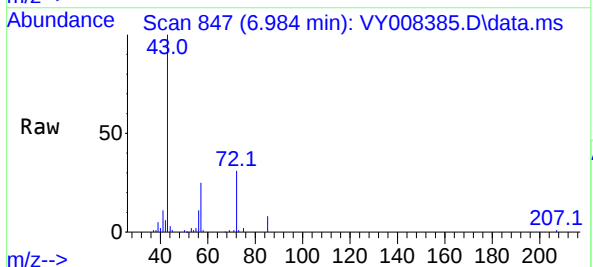
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

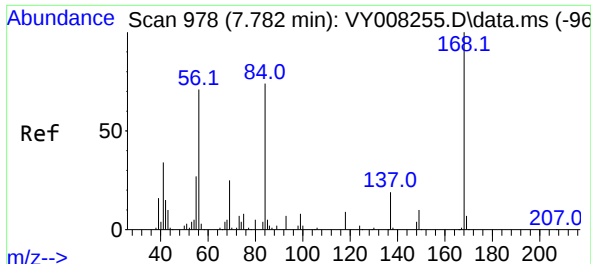
Tgt Ion: 76 Resp: 4061
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#25
2-Butanone
Concen: 88.547 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 43 Resp: 36107
Ion Ratio Lower Upper
43 100
72 31.2 17.7 26.5#

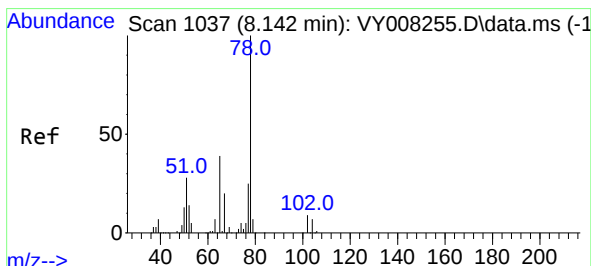
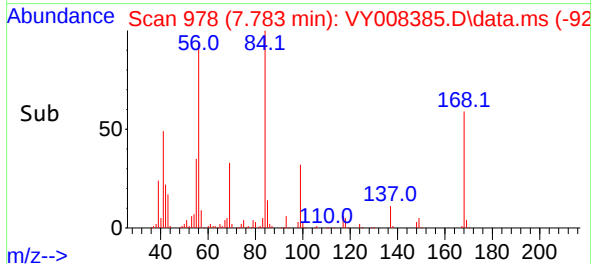
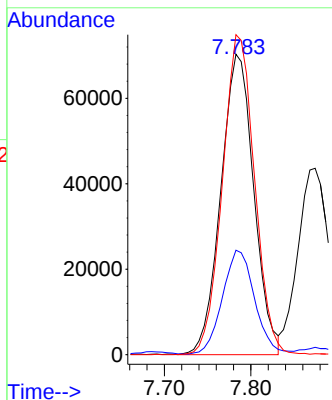
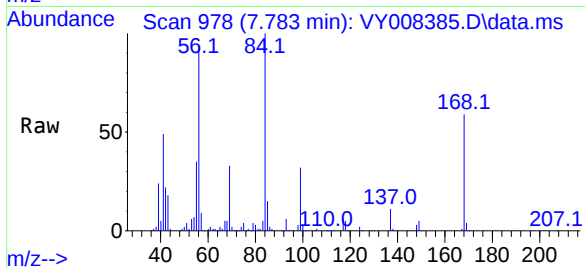




#31
Cyclohexane
Concen: 95.051 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

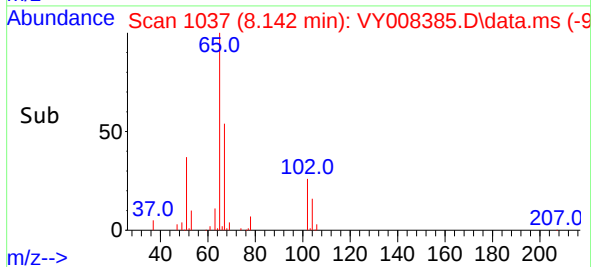
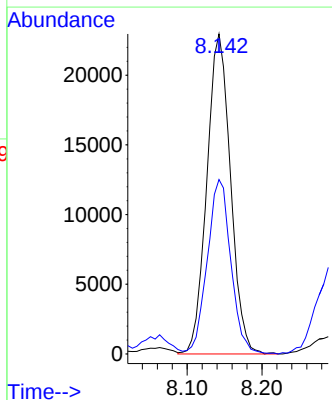
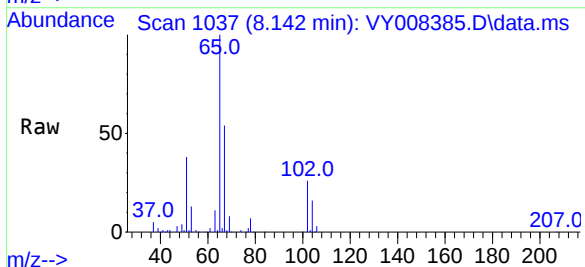
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

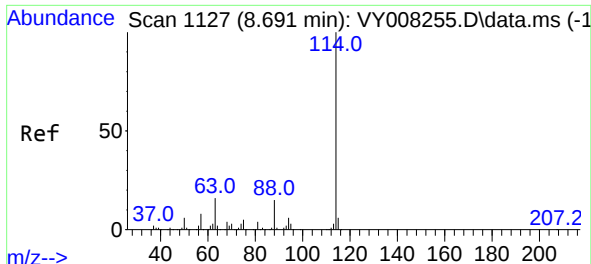
Tgt Ion: 56 Resp: 186356
Ion Ratio Lower Upper
56 100
69 34.5 26.7 40.1
84 106.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.617 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 65 Resp: 50543
Ion Ratio Lower Upper
65 100
67 54.4 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: VY008385.D

Acq: 18 Apr 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-4-GR

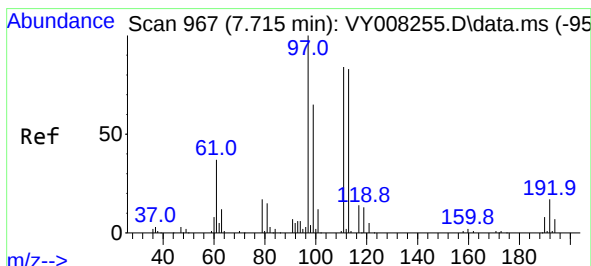
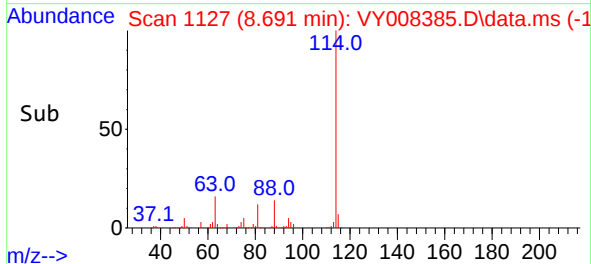
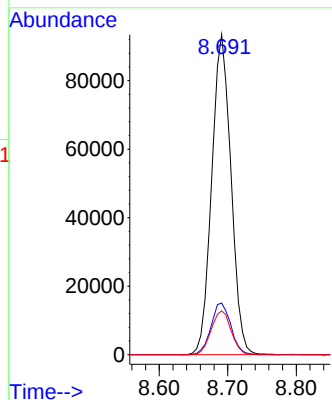
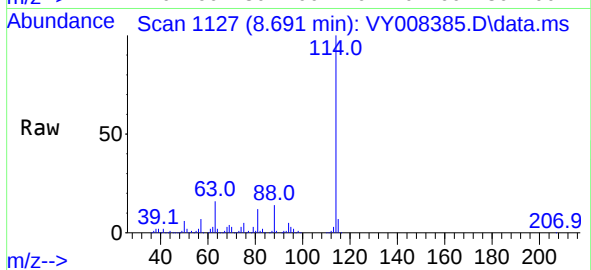
Tgt Ion:114 Resp: 181992

Ion Ratio Lower Upper

114 100

63 16.2 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.182 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008385.D

Acq: 18 Apr 2022 19:50

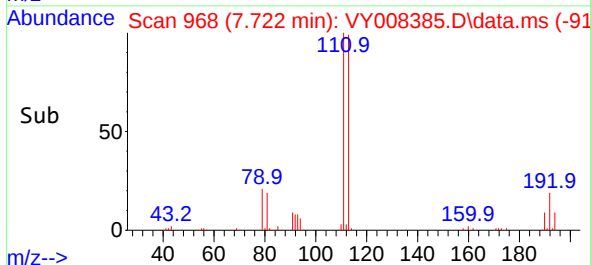
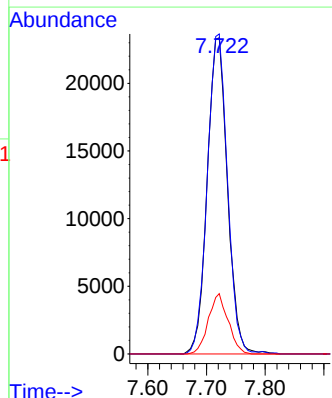
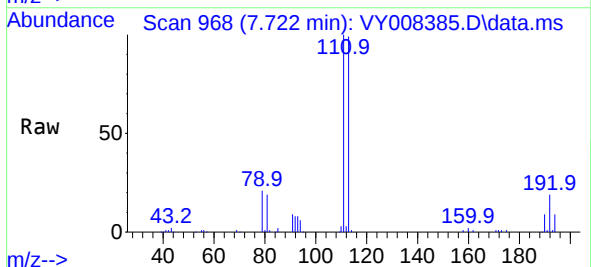
Tgt Ion:113 Resp: 55903

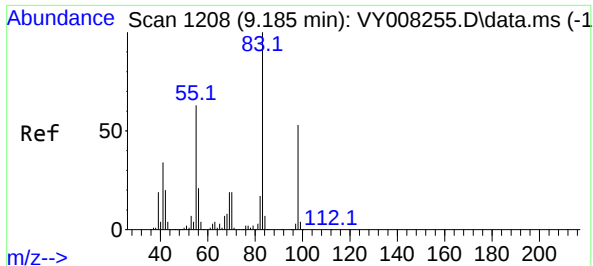
Ion Ratio Lower Upper

113 100

111 100.7 82.6 124.0

192 18.6 17.6 26.4





#39

Methylcyclohexane

Concen: 565.077 ug/l

RT: 9.185 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008385.D

Acq: 18 Apr 2022 19:50

Instrument :

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WC-15-1-4-GR

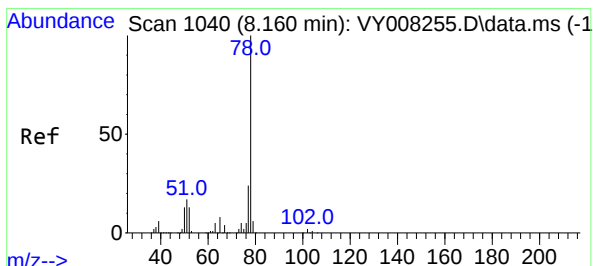
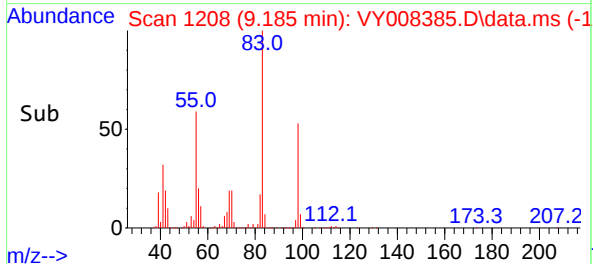
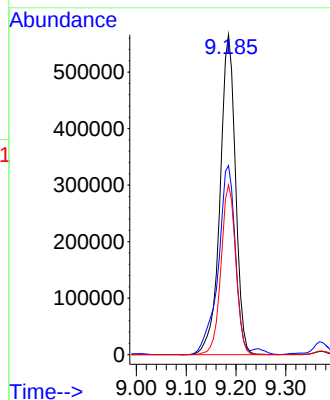
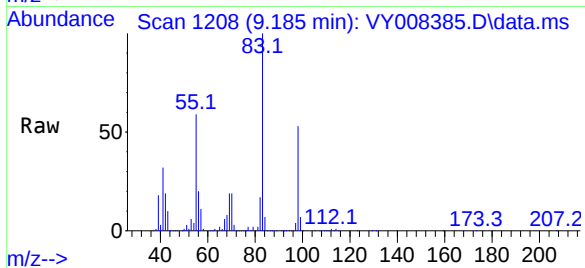
Tgt Ion: 83 Resp: 1220402

Ion Ratio Lower Upper

83 100

55 59.0 66.5 99.7#

98 53.0 37.9 56.9



#40

Benzene

Concen: 1.395 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.001 min

Lab File: VY008385.D

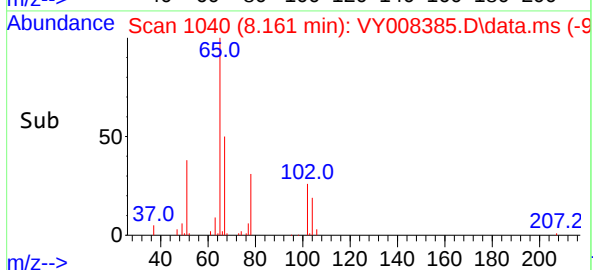
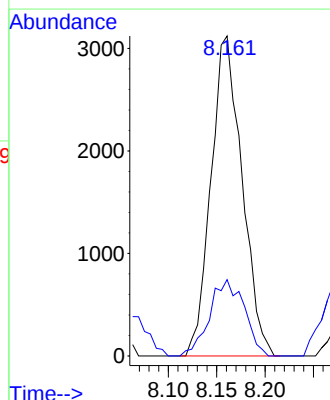
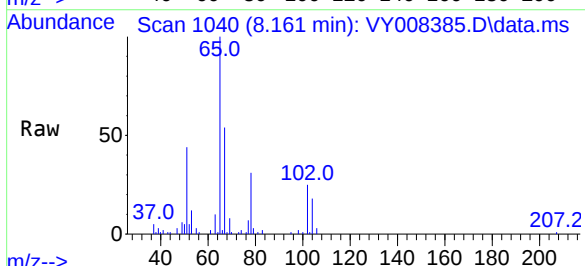
Acq: 18 Apr 2022 19:50

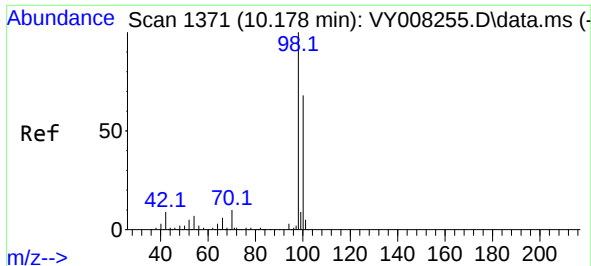
Tgt Ion: 78 Resp: 6974

Ion Ratio Lower Upper

78 100

77 23.8 20.4 30.6

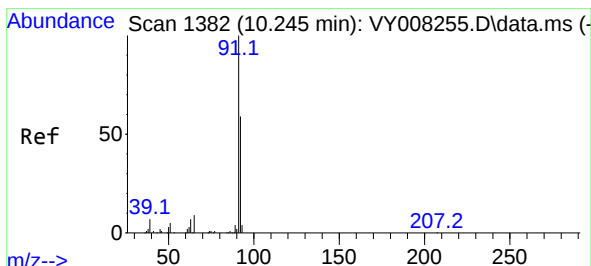
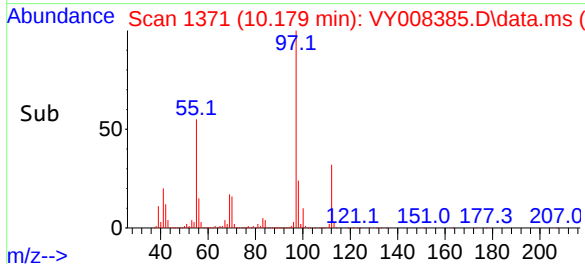
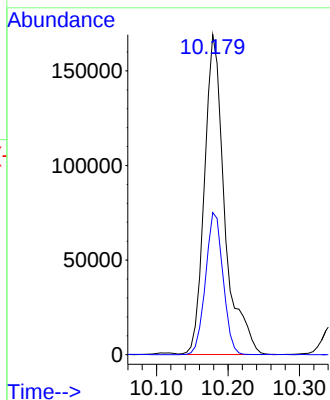
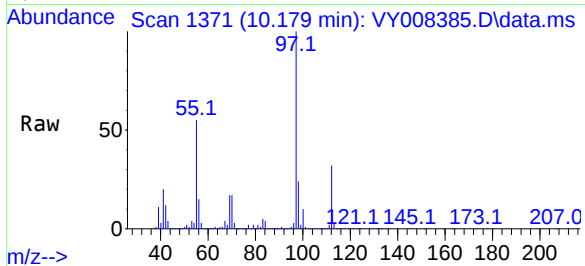




#50
Toluene-d8
Concen: 92.235 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

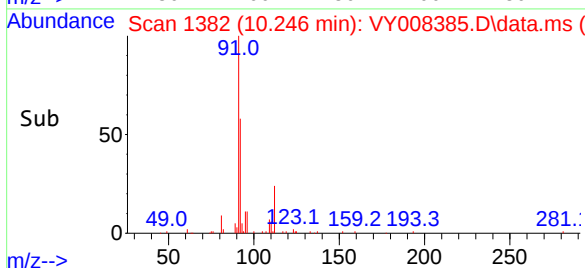
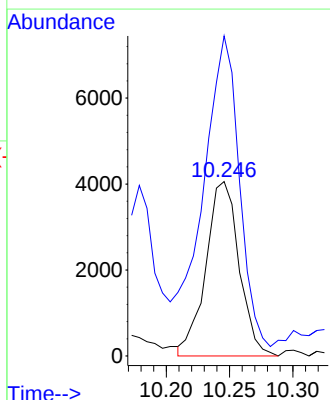
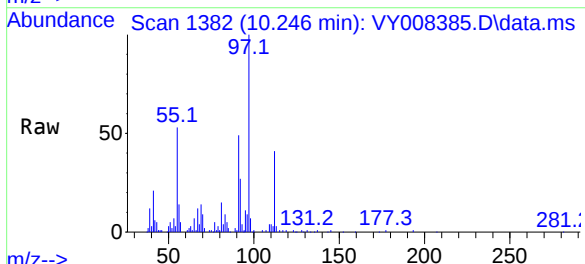
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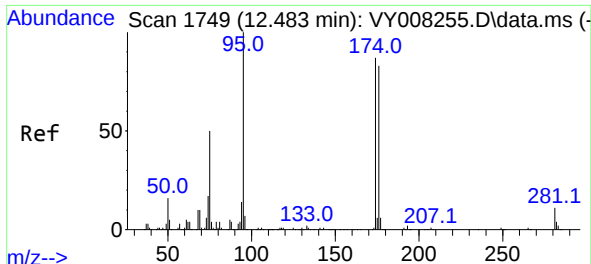
Tgt Ion: 98 Resp: 331756
Ion Ratio Lower Upper
98 100
100 38.4 50.2 75.2#



#52
Toluene
Concen: 2.248 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.001 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 92 Resp: 7403
Ion Ratio Lower Upper
92 100
91 193.4 142.6 213.8

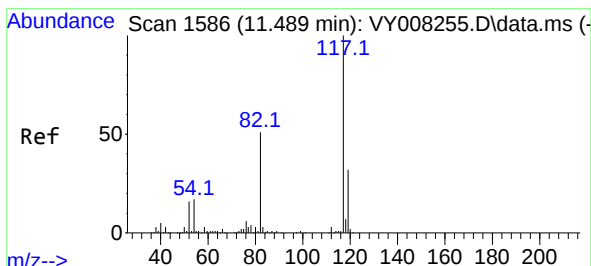
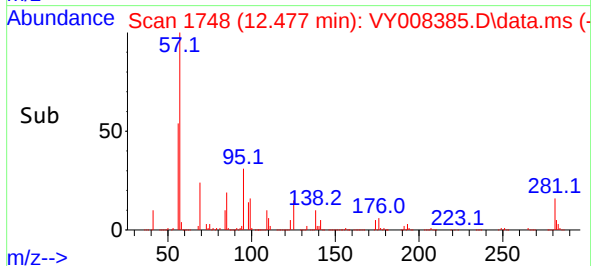
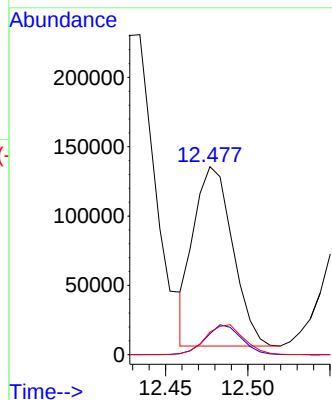
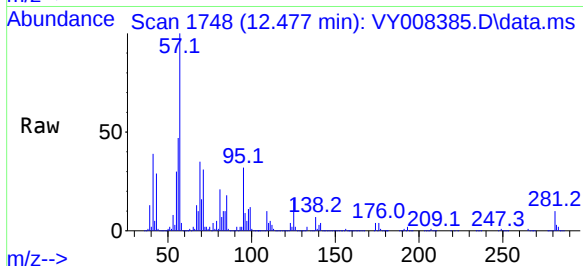




#62
4-Bromofluorobenzene
Concen: 157.561 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

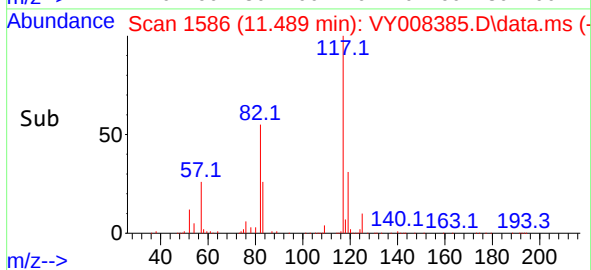
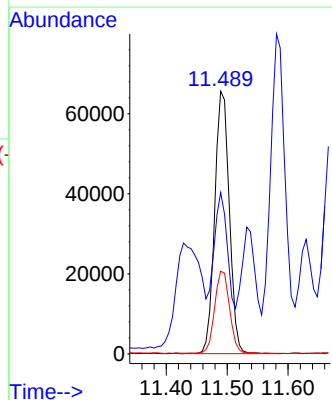
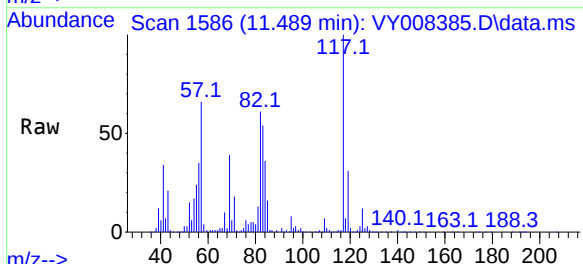
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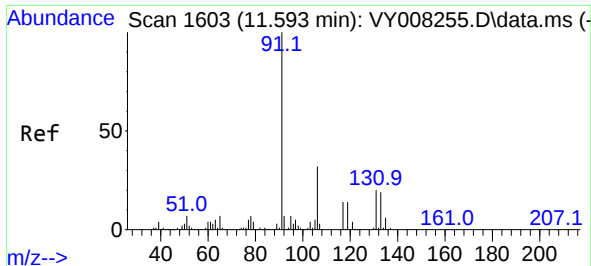
Tgt Ion: 95 Resp: 213158
Ion Ratio Lower Upper
95 100
174 15.4 0.0 177.0
176 16.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 117 Resp: 109120
Ion Ratio Lower Upper
117 100
82 24.0 43.0 64.4#
119 31.3 25.4 38.0





#67

Ethyl Benzene

Concen: 13.833 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008385.D

Acq: 18 Apr 2022 19:50

Instrument :

MSVOA_Y

ClientSampleId :

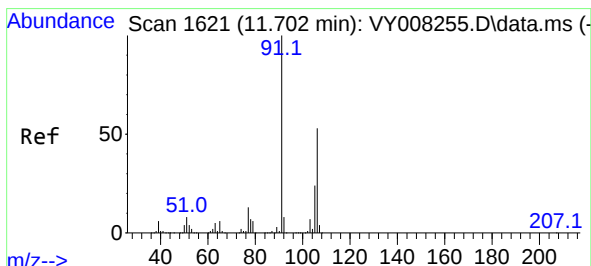
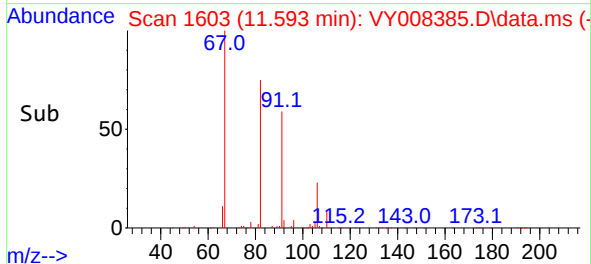
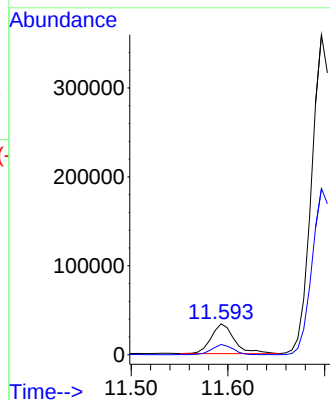
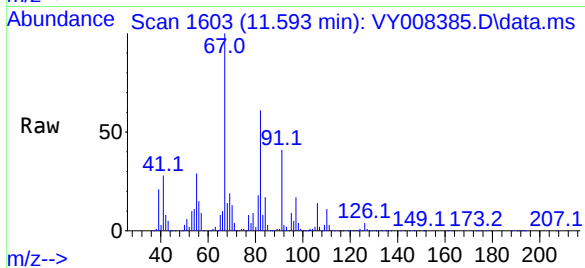
WC-15-1-4-GR

Tgt Ion: 91 Resp: 55668

Ion Ratio Lower Upper

91 100

106 34.4 24.5 36.7



#68

m/p-Xylenes

Concen: 182.517 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.005 min

Lab File: VY008385.D

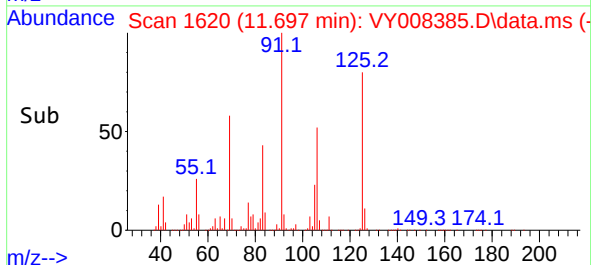
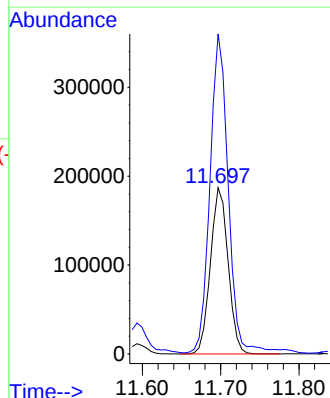
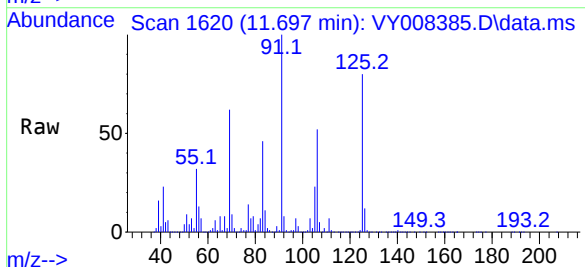
Acq: 18 Apr 2022 19:50

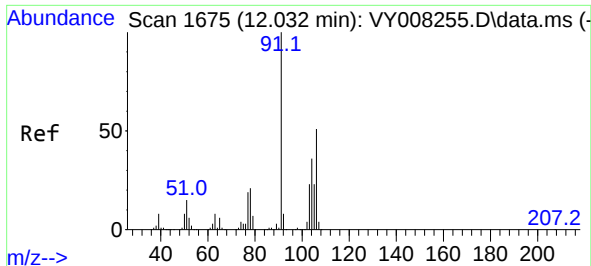
Tgt Ion: 106 Resp: 292115

Ion Ratio Lower Upper

106 100

91 199.4 166.6 249.8

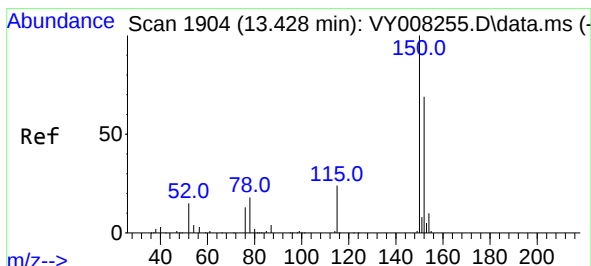
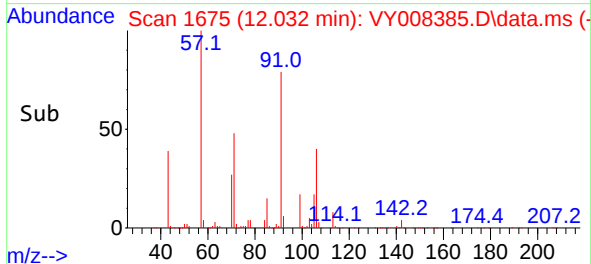
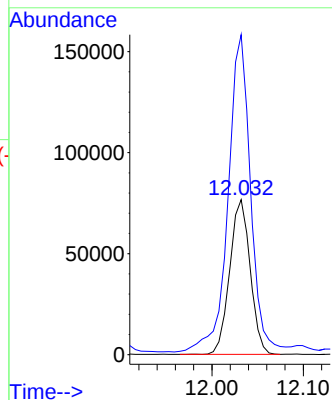
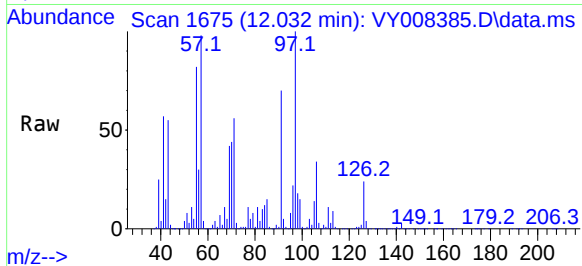




#69
o-Xylene
Concen: 76.791 ug/l
RT: 12.032 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

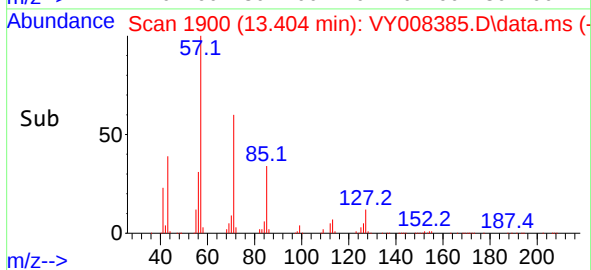
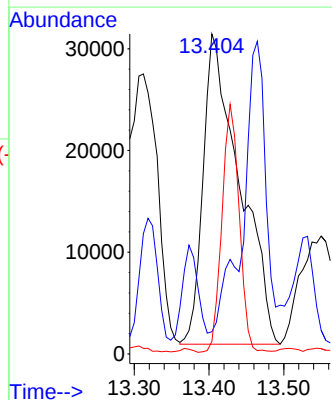
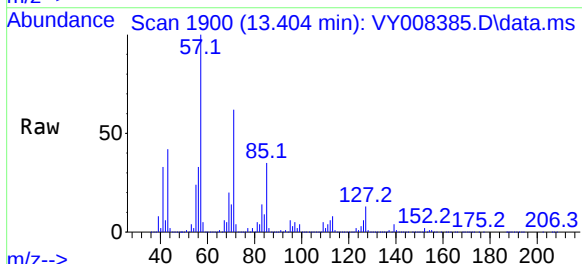
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

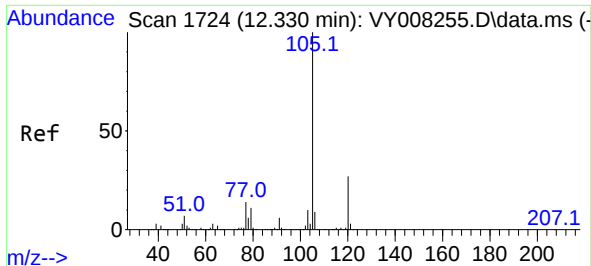
Tgt Ion:106 Resp: 119267
Ion Ratio Lower Upper
106 100
91 223.8 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.404 min Scan# 1900
Delta R.T. -0.024 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion:152 Resp: 103395
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 0.0 0.0 347.6

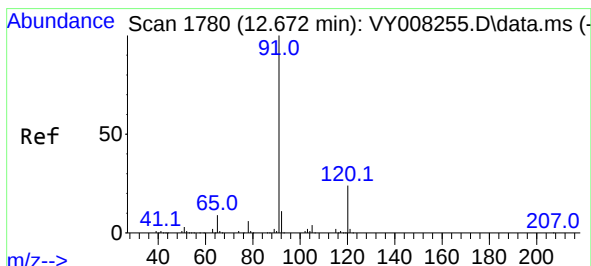
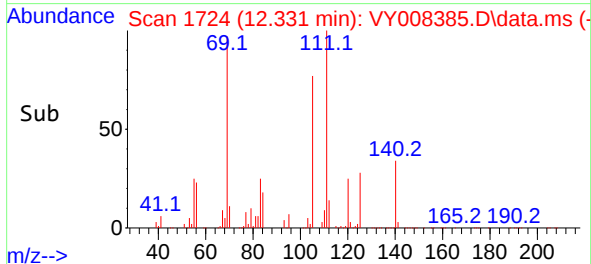
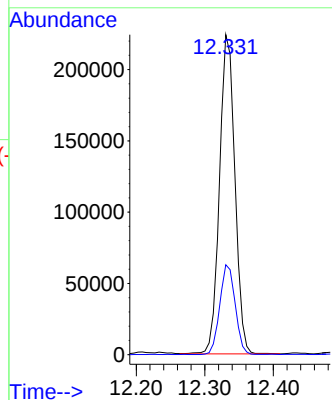
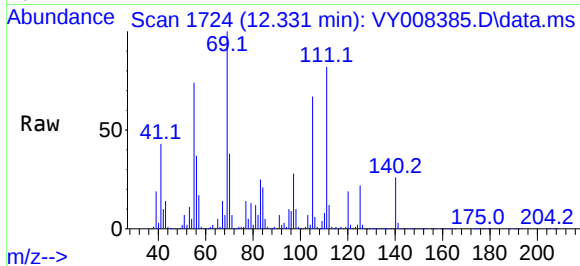




#73
Isopropylbenzene
Concen: 45.232 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

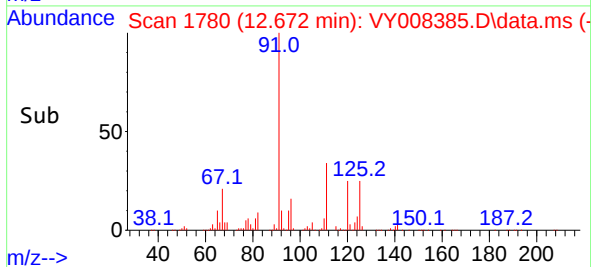
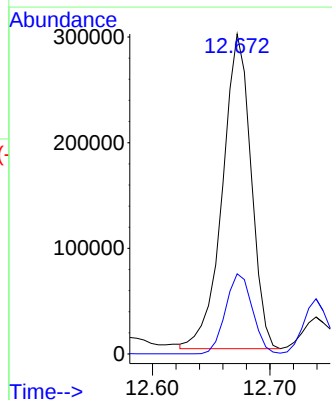
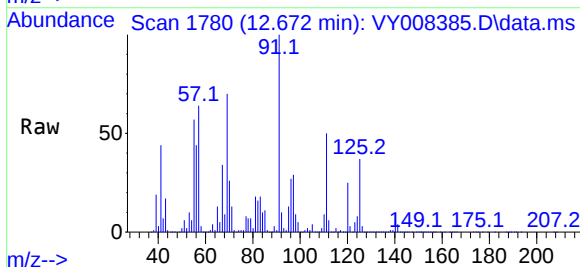
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

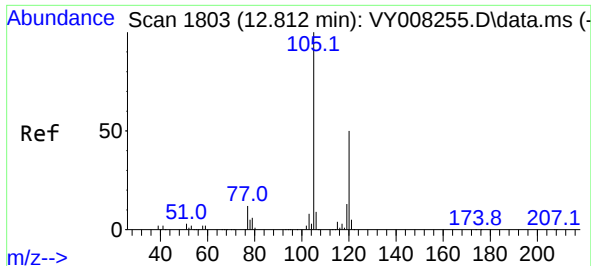
Tgt Ion:105 Resp: 347712
Ion Ratio Lower Upper
105 100
120 28.1 13.4 40.2



#78
n-propylbenzene
Concen: 55.559 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 91 Resp: 503973
Ion Ratio Lower Upper
91 100
120 23.8 11.3 33.9

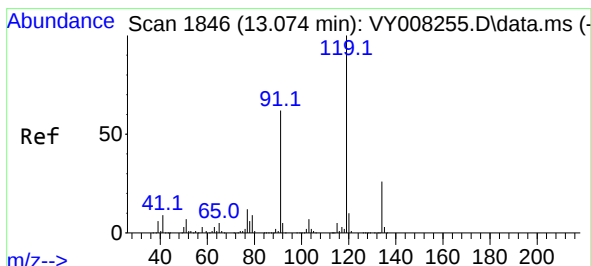
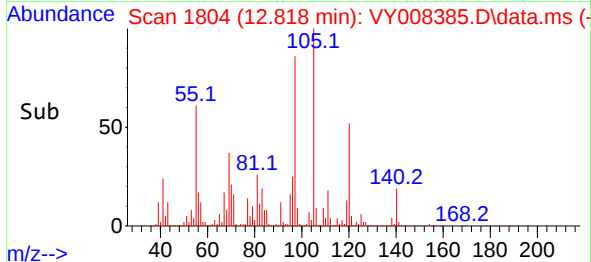
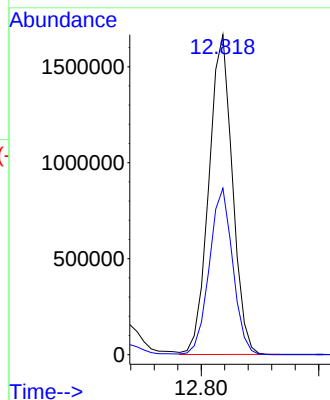
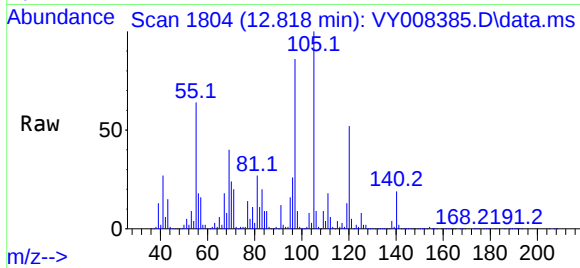




#80
1,3,5-Trimethylbenzene
Concen: 367.232 ug/l
RT: 12.818 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

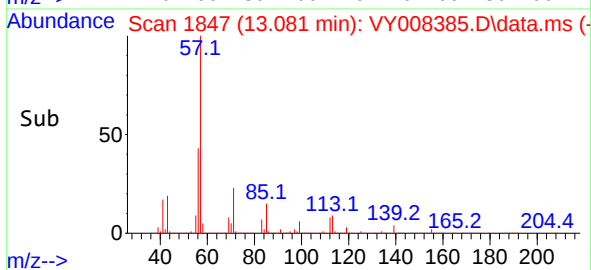
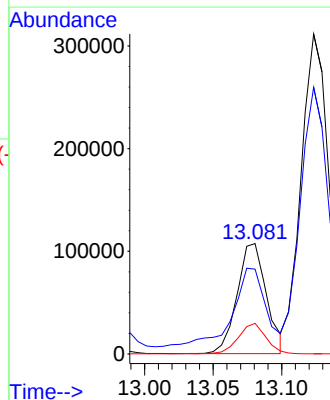
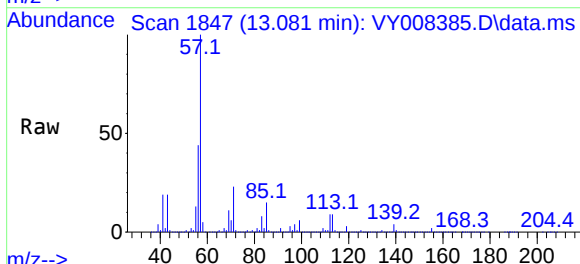
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

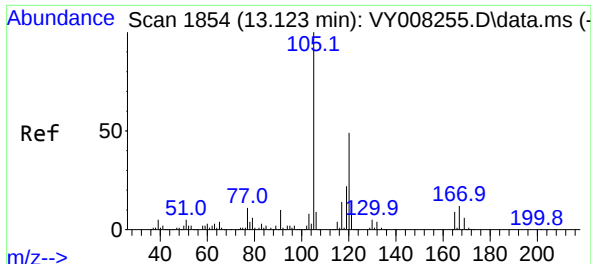
Tgt Ion:105 Resp: 2314831
Ion Ratio Lower Upper
105 100
120 51.7 24.4 73.4



#83
tert-Butylbenzene
Concen: 28.219 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.007 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion:119 Resp: 159575
Ion Ratio Lower Upper
119 100
91 79.8 34.8 104.4
134 26.2 13.3 39.9

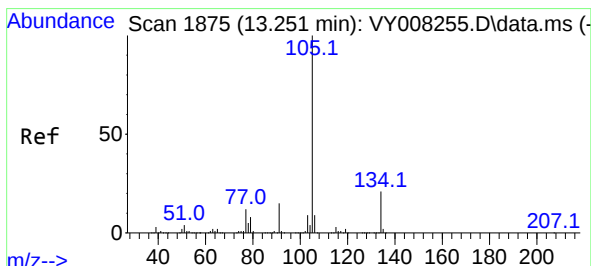
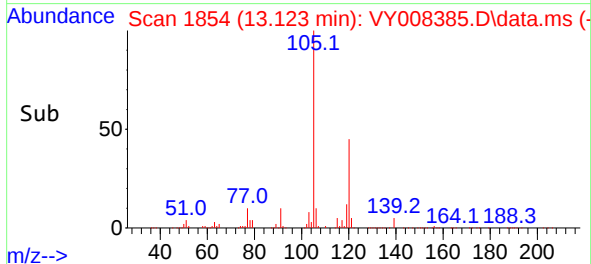
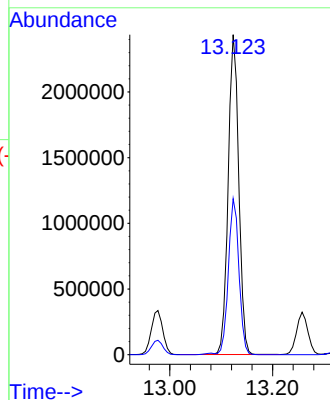
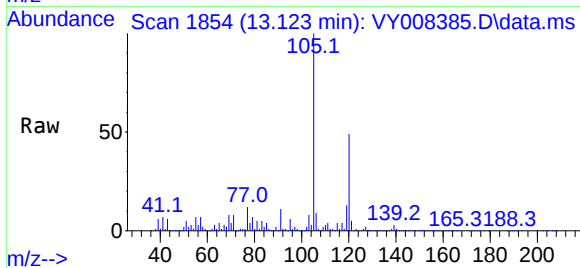




#84
1,2,4-Trimethylbenzene
Concen: 556.919 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

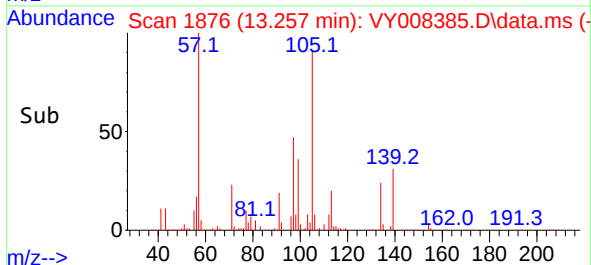
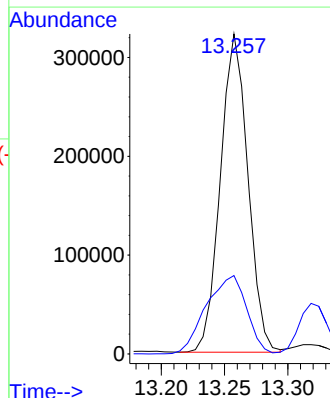
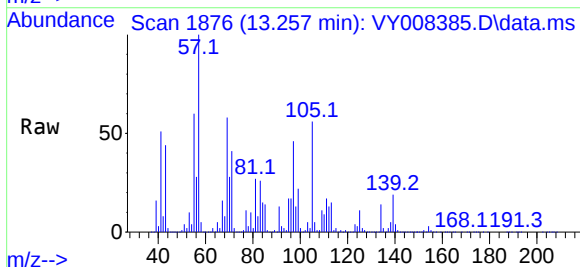
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

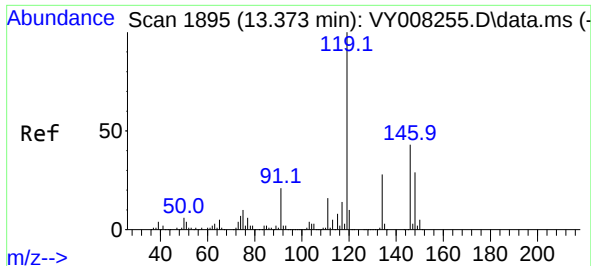
Tgt Ion:105 Resp: 3474123
Ion Ratio Lower Upper
105 100
120 48.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 58.244 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion:105 Resp: 488297
Ion Ratio Lower Upper
105 100
134 36.1 10.2 30.4#

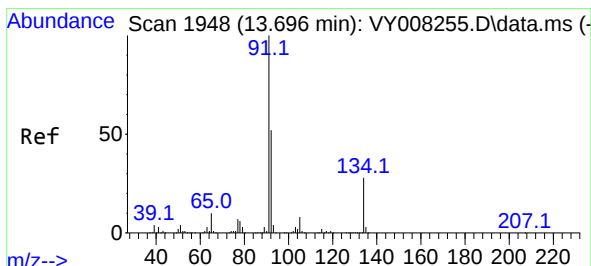
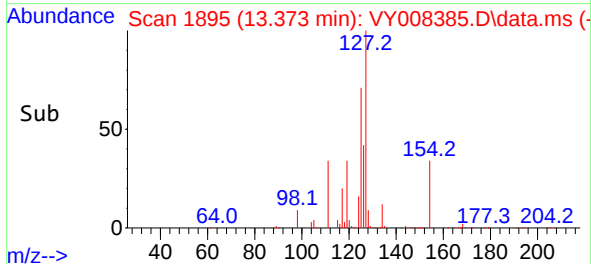
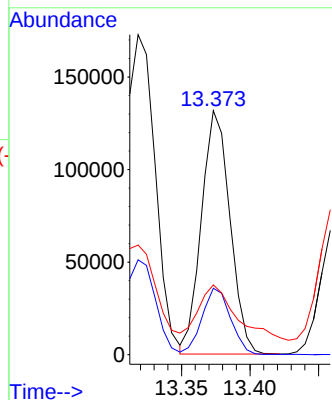
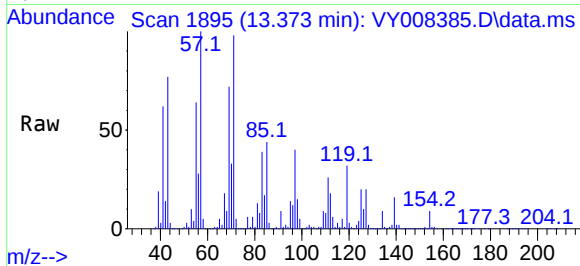




#86
p-Isopropyltoluene
Concen: 27.237 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4-GR

Tgt Ion:119 Resp: 190551
Ion Ratio Lower Upper
119 100
134 27.5 13.2 39.5
91 29.7 12.4 37.2



#89
n-Butylbenzene
Concen: 31.308 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY008385.D
Acq: 18 Apr 2022 19:50

Tgt Ion: 91 Resp: 197895
Ion Ratio Lower Upper
91 100
92 67.9 26.3 78.9
134 0.0 13.0 38.9#

