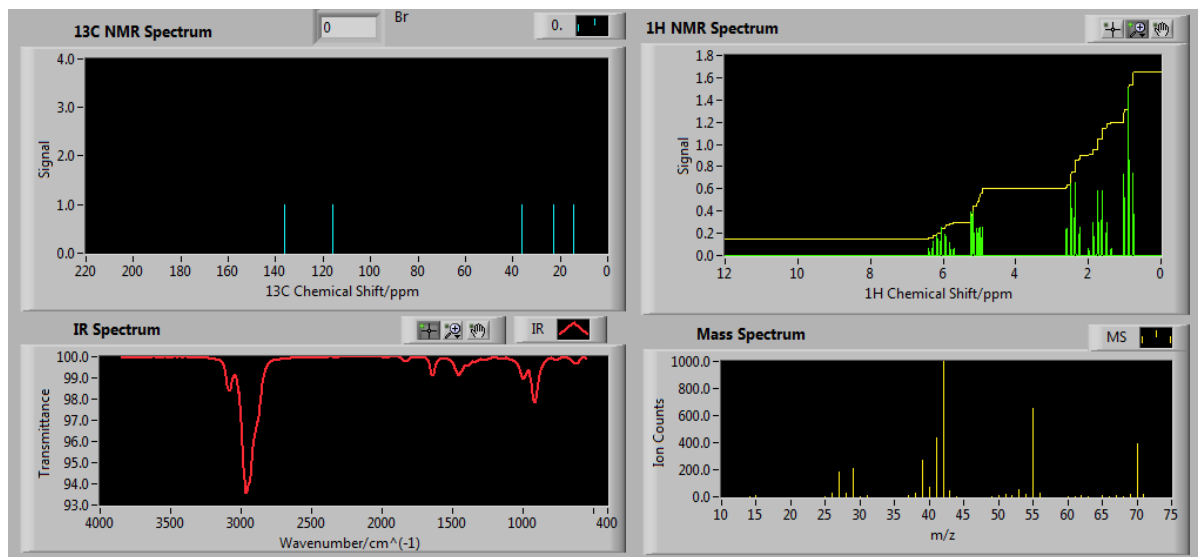


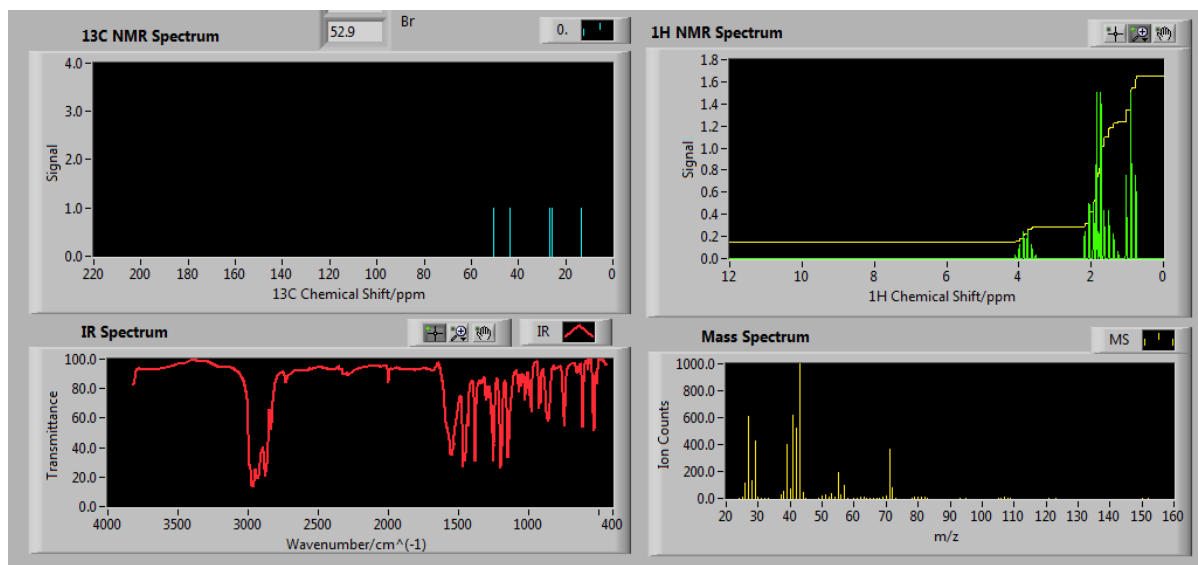
SPECTROSCOPY – COMPOUND IDENTIFICATION (SOURCE: CHEMICAL DETECTIVES)

TEST 1 (LEVEL = DIFFICULT)

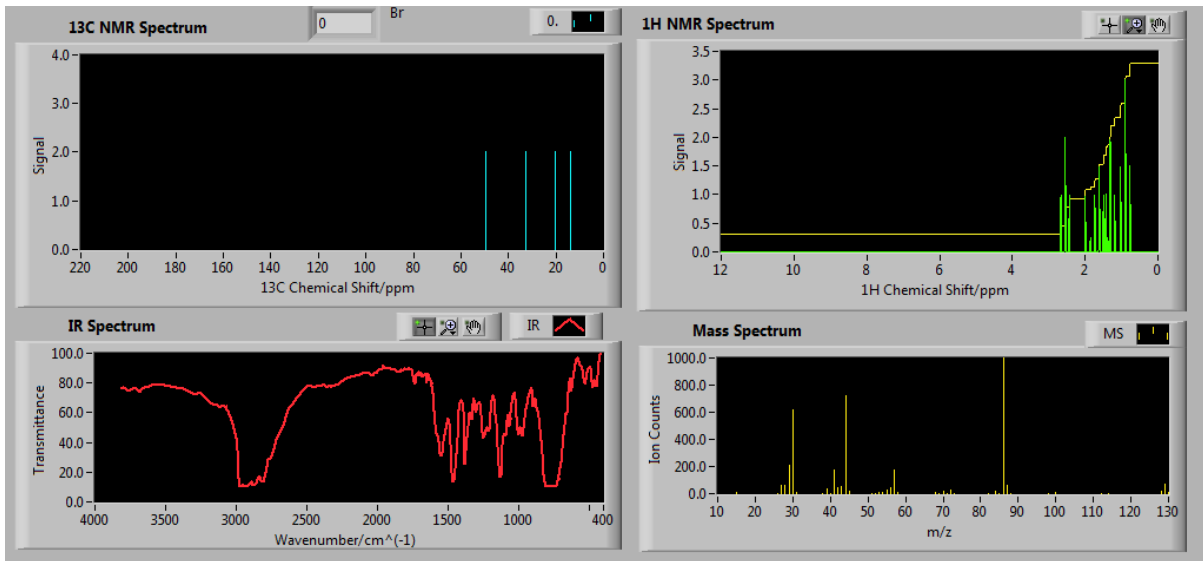
CHEMICAL NUMBER = 48



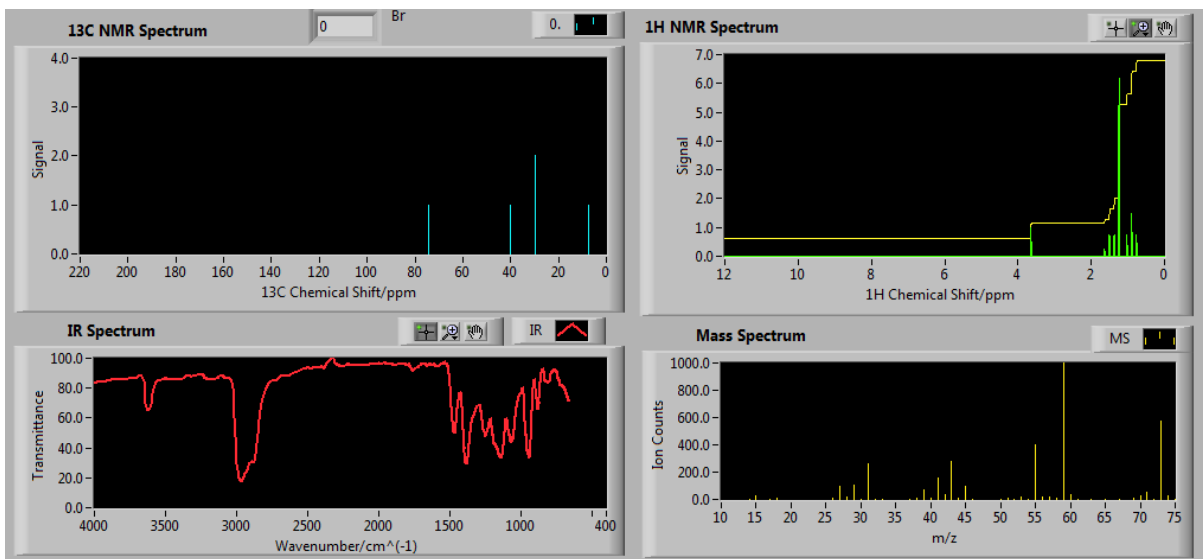
CHEMICAL NUMBER = 12



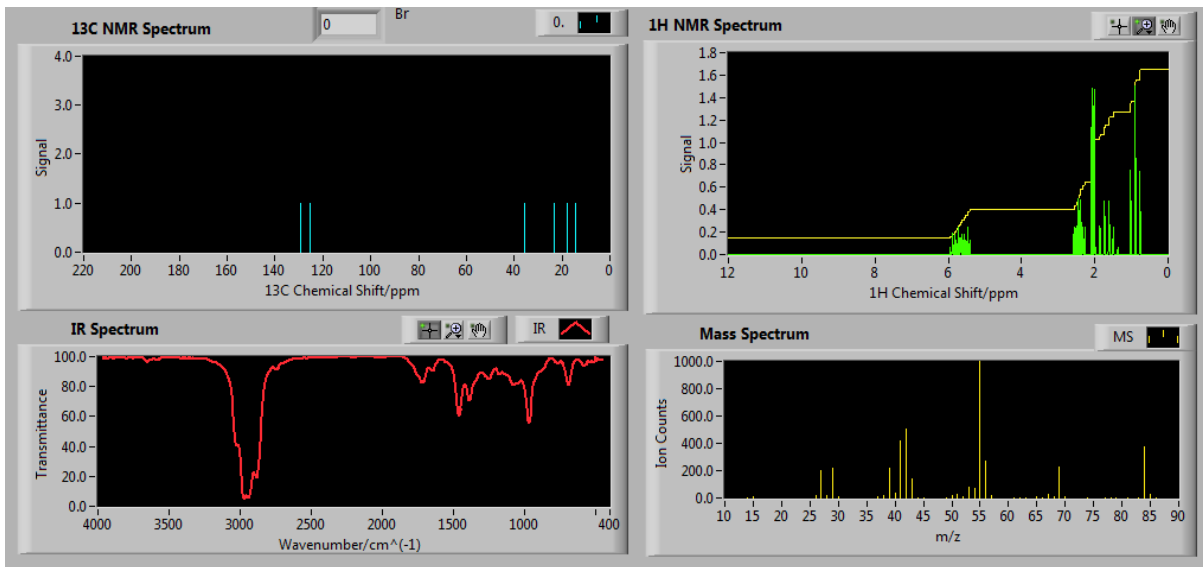
CHEMICAL NUMBER = 76



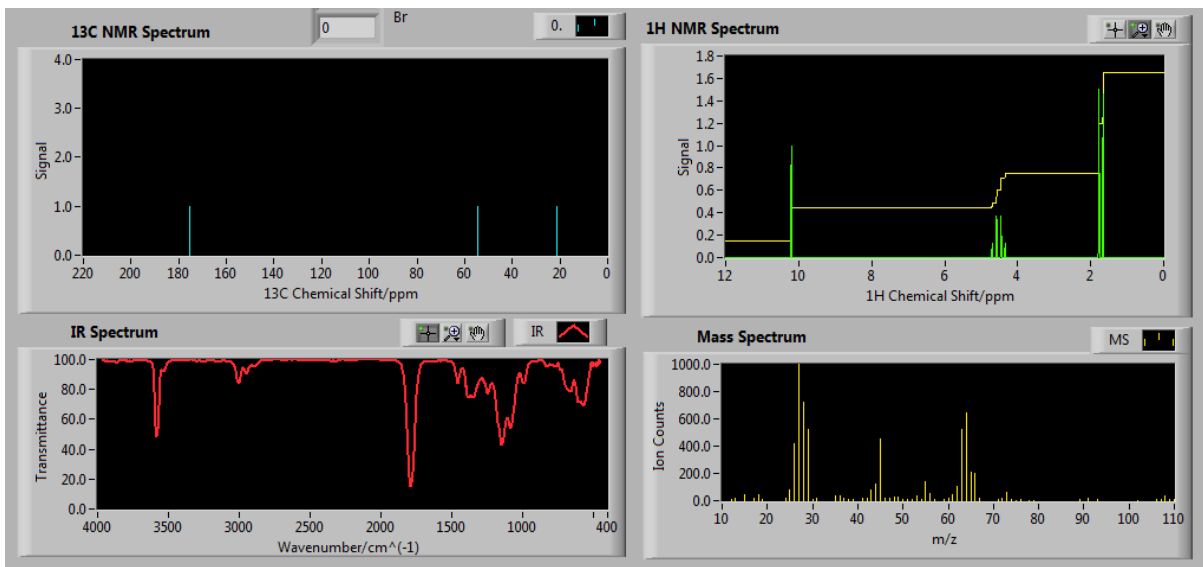
CHEMICAL NUMBER = 64



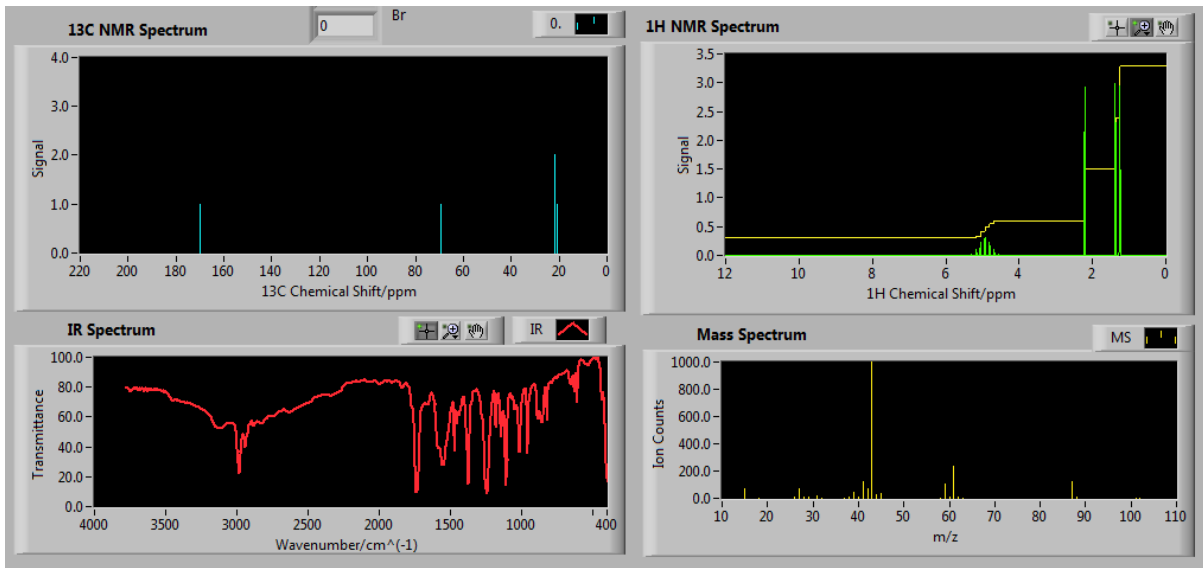
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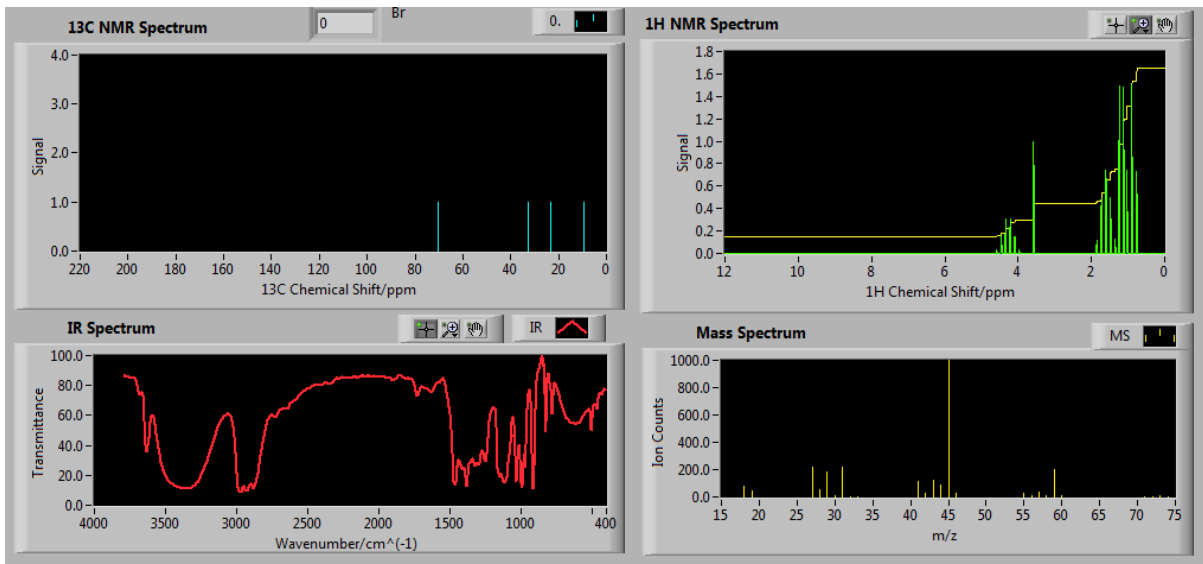
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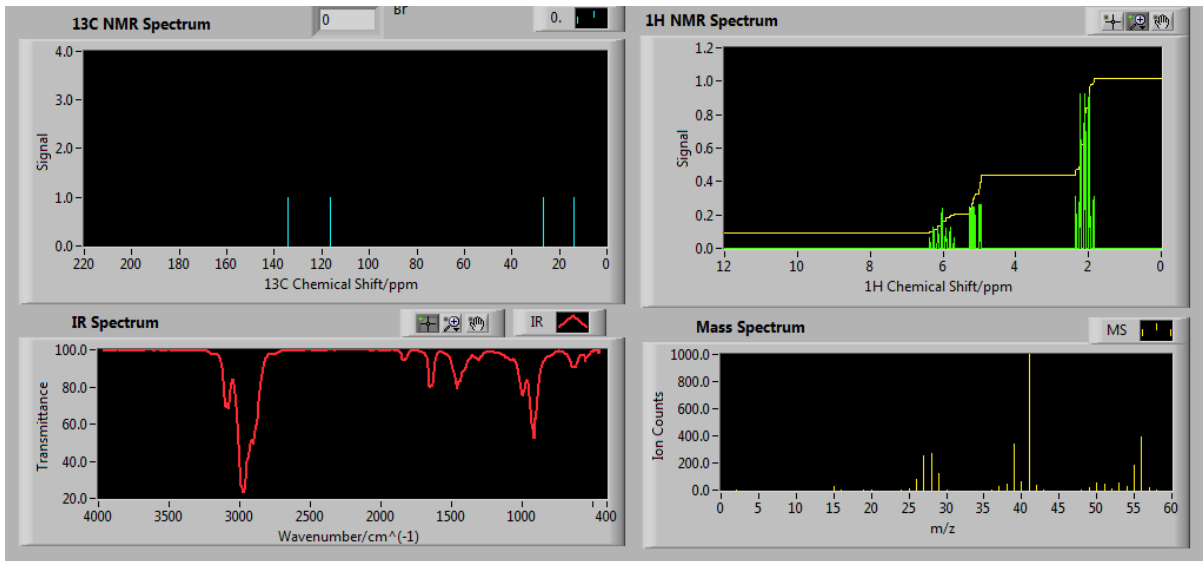
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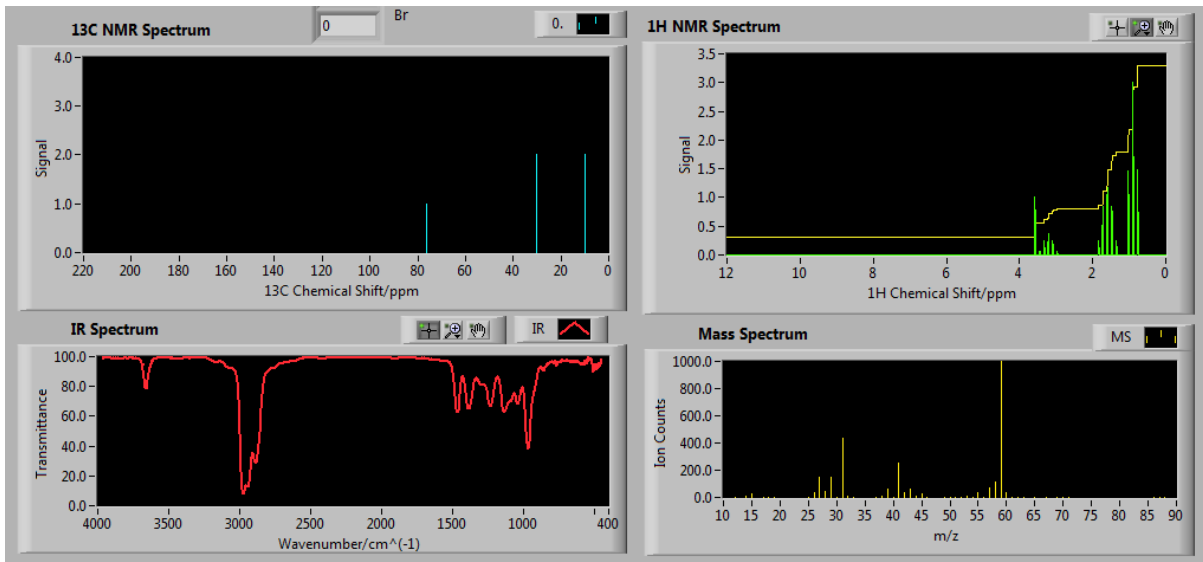
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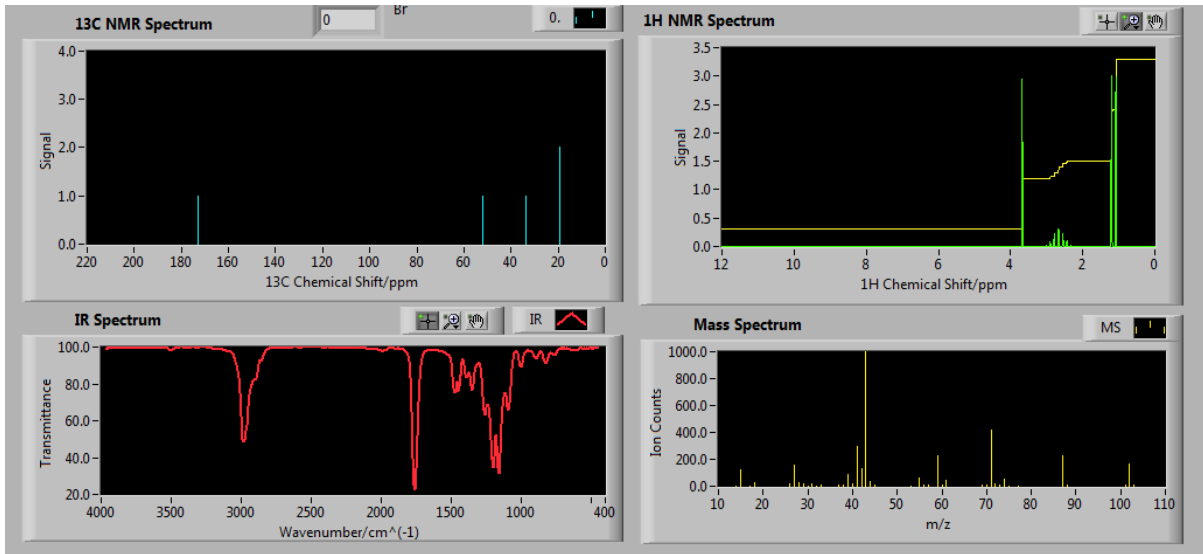
CHEMICAL NUMBER = 29



CHEMICAL NUMBER = 97

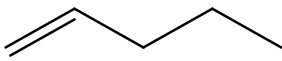
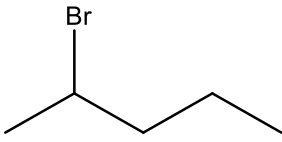
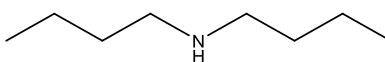
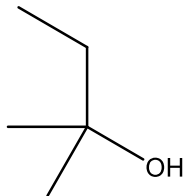
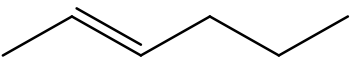
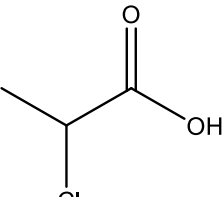
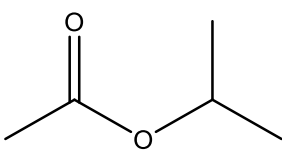
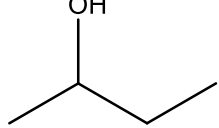
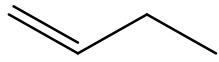
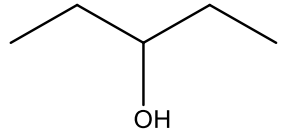


CHEMICAL NUMBER = 88



ANSWERS

* Name not required at VCE level

Systematic Name	Chemical Number	Functional Group	Structure
Pent-1-ene	48	Hydrocarbon	
2-bromopentane	12	Halogen	
Dibutylamine	76	Amine	
2-methylbutan-2-ol	64	Alcohol	
Hex-2-ene	40	Hydrocarbon	
2-chloropropanoic acid	62	Carboxylic acid	
Isopropyl ethanoate*	85	Ester	
Butan-2-ol	72	Alcohol	
But-1-ene	29	Hydrocarbon	
Pentan-3-ol	97	Alcohol	
Methyl 2-methylpropanoate	88	Ester	