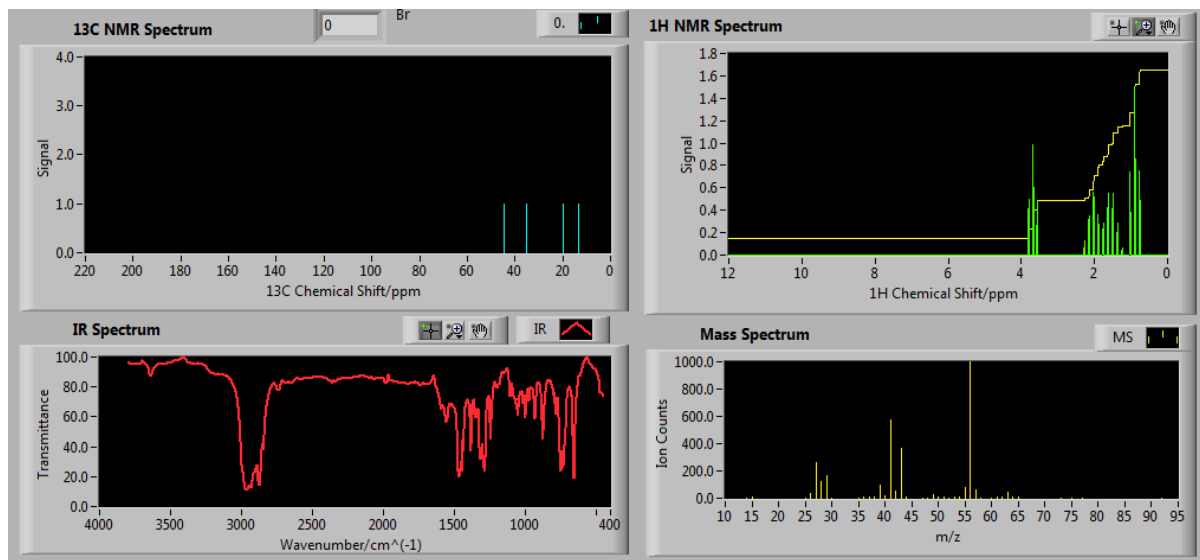


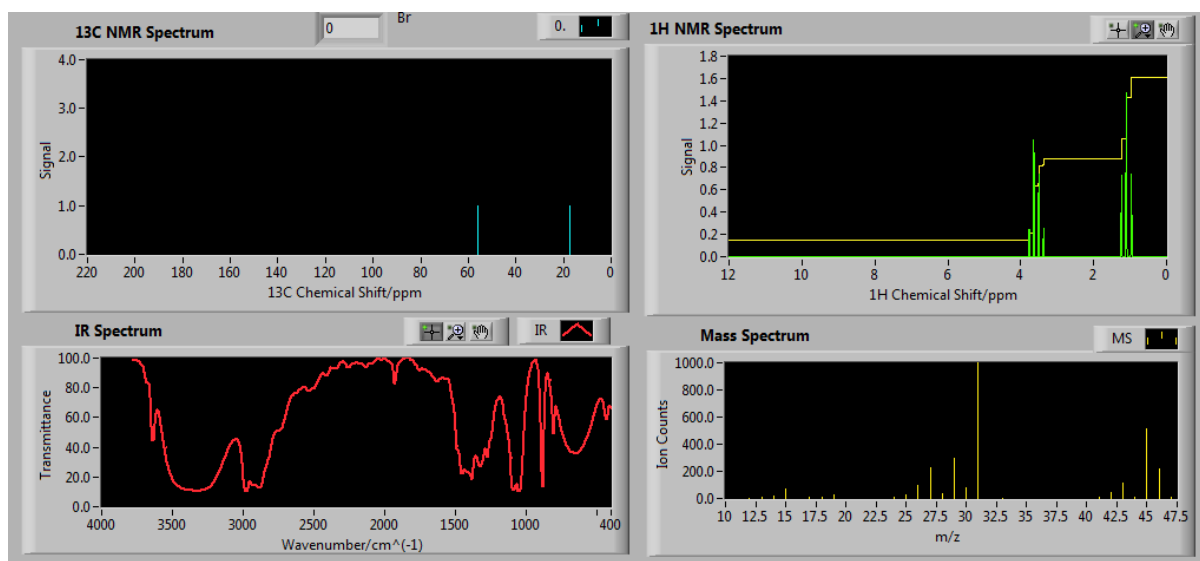
SPECTROSCOPY – COMPOUND IDENTIFICATION (SOURCE: CHEMICAL DETECTIVES)

TEST 2 (LEVEL = EASY)

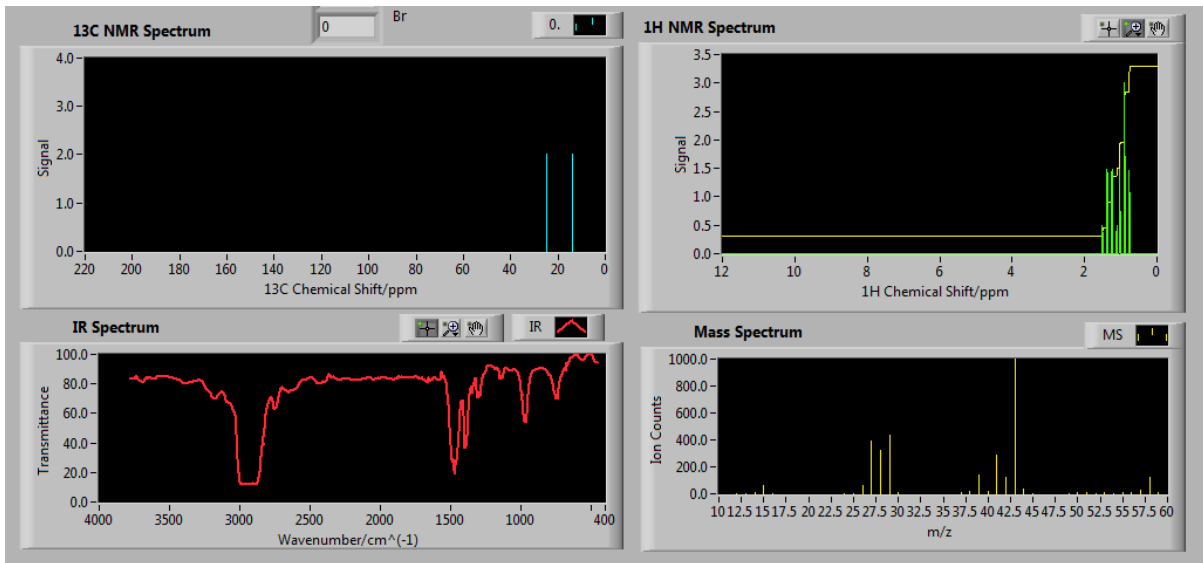
CHEMICAL NUMBER = 7



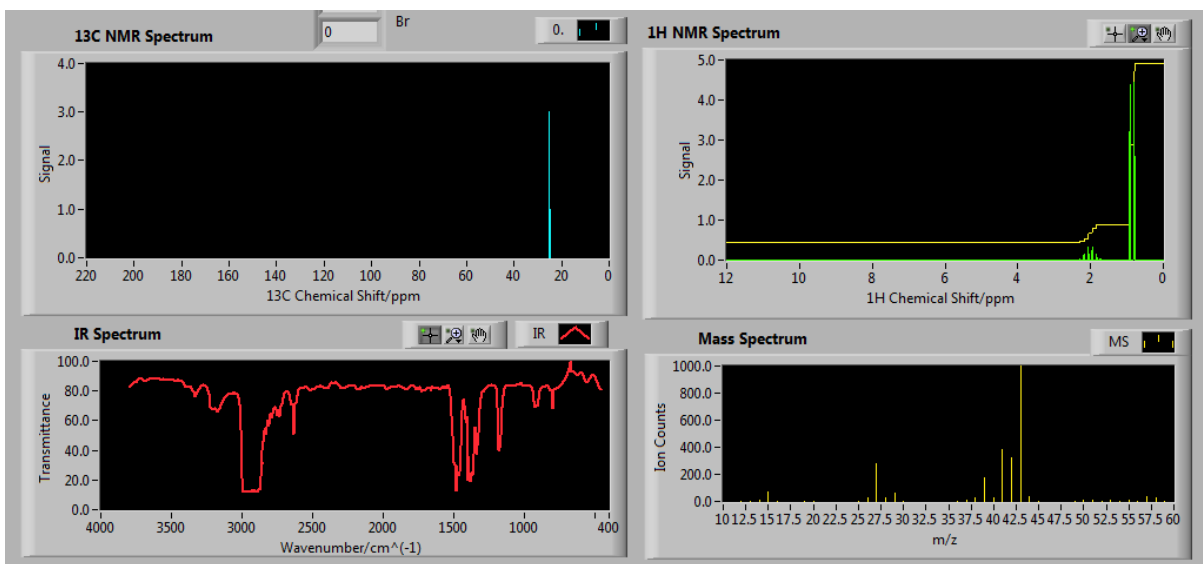
CHEMICAL NUMBER = 78



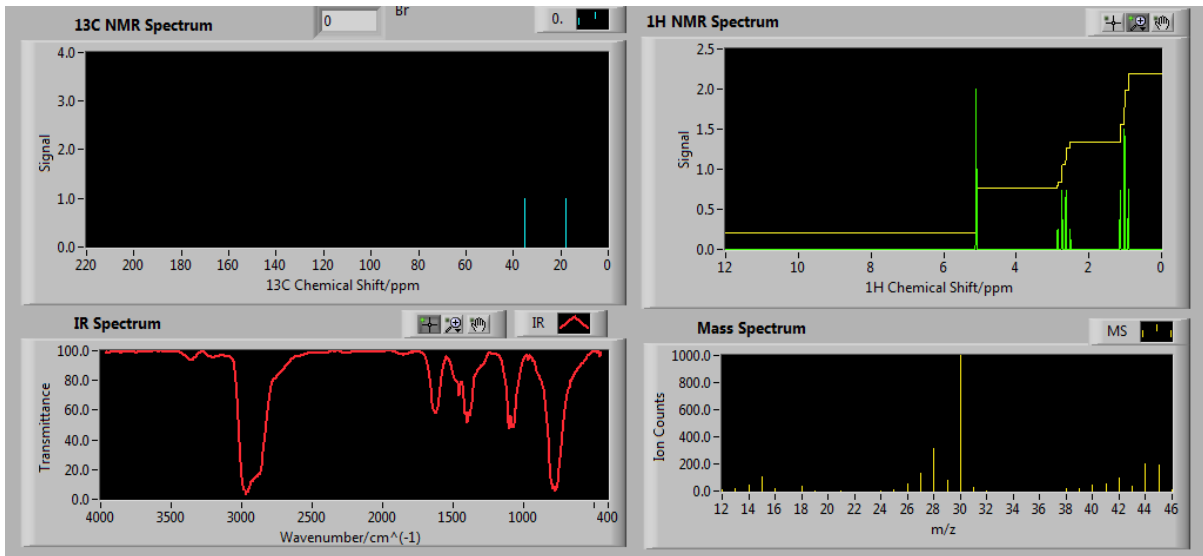
CHEMICAL NUMBER = 31



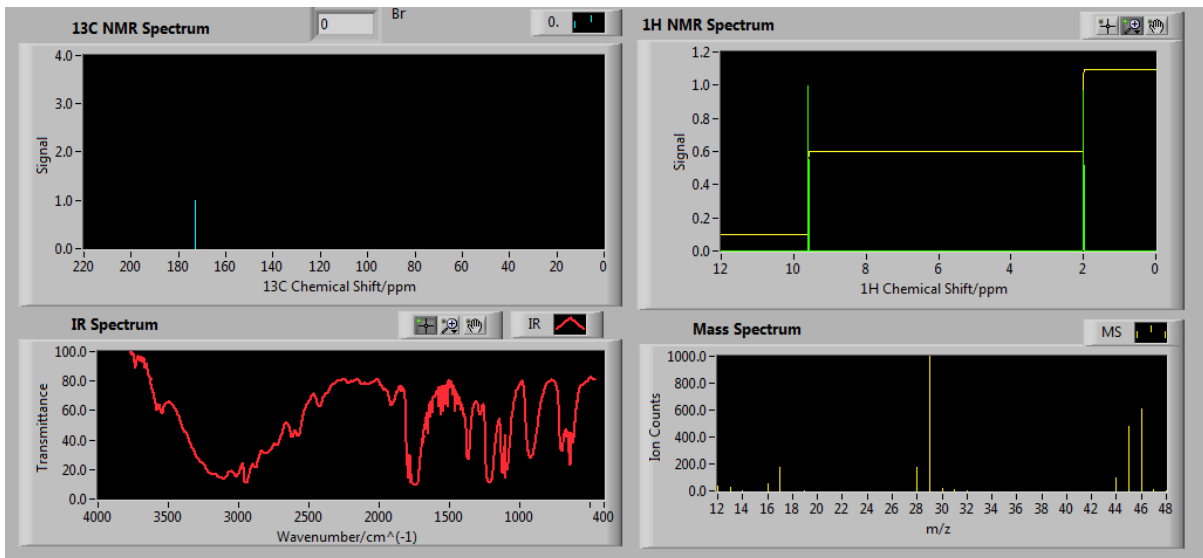
CHEMICAL NUMBER = 18



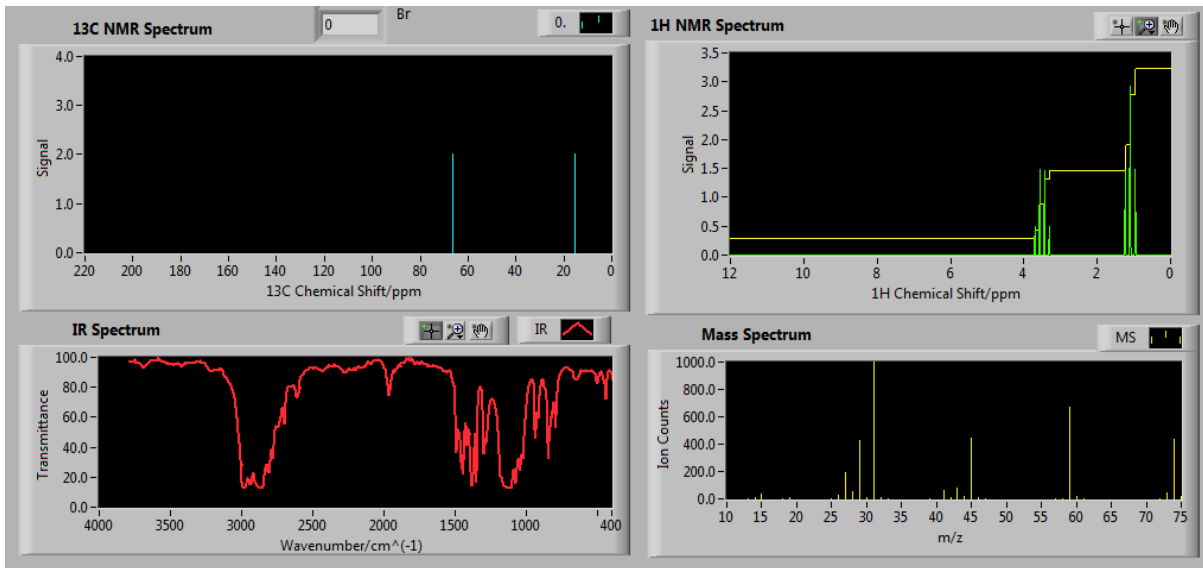
CHEMICAL NUMBER = 82



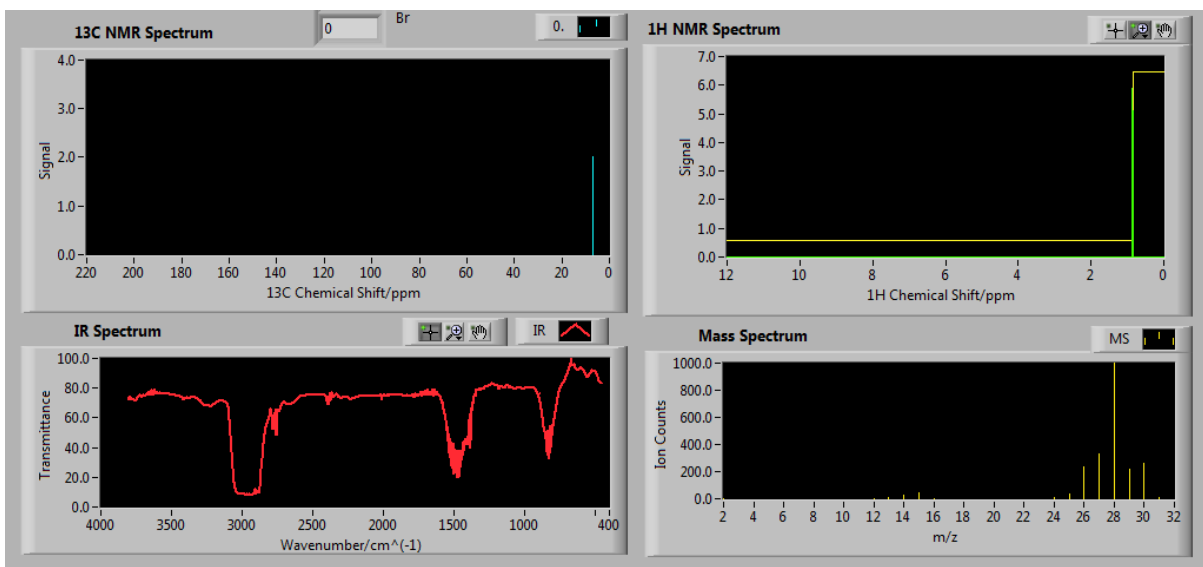
CHEMICAL NUMBER = 84



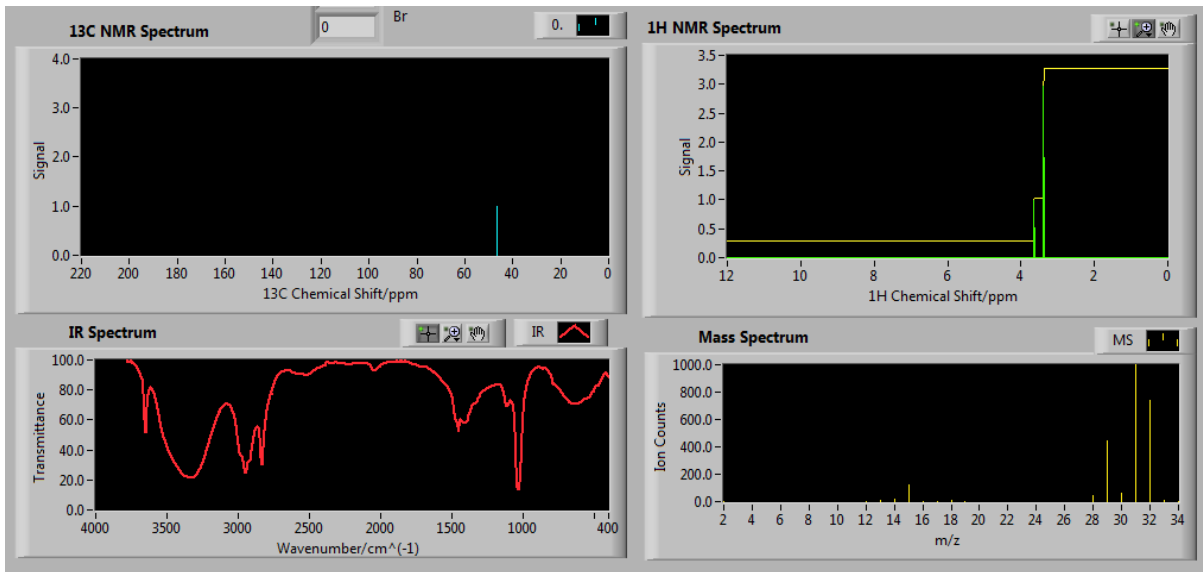
CHEMICAL NUMBER = 38



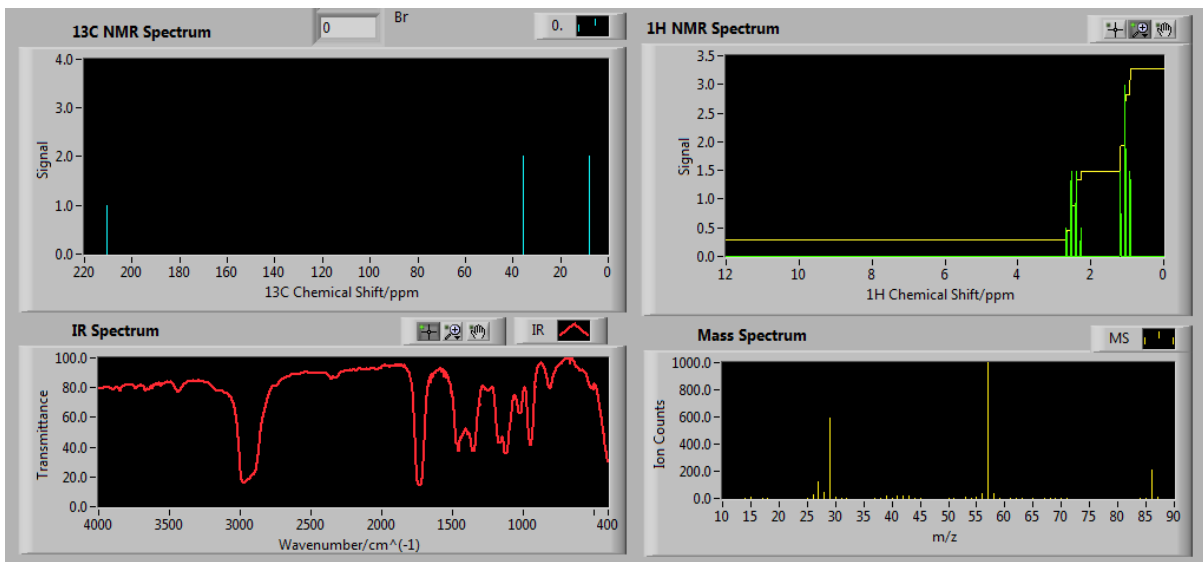
CHEMICAL NUMBER = 36



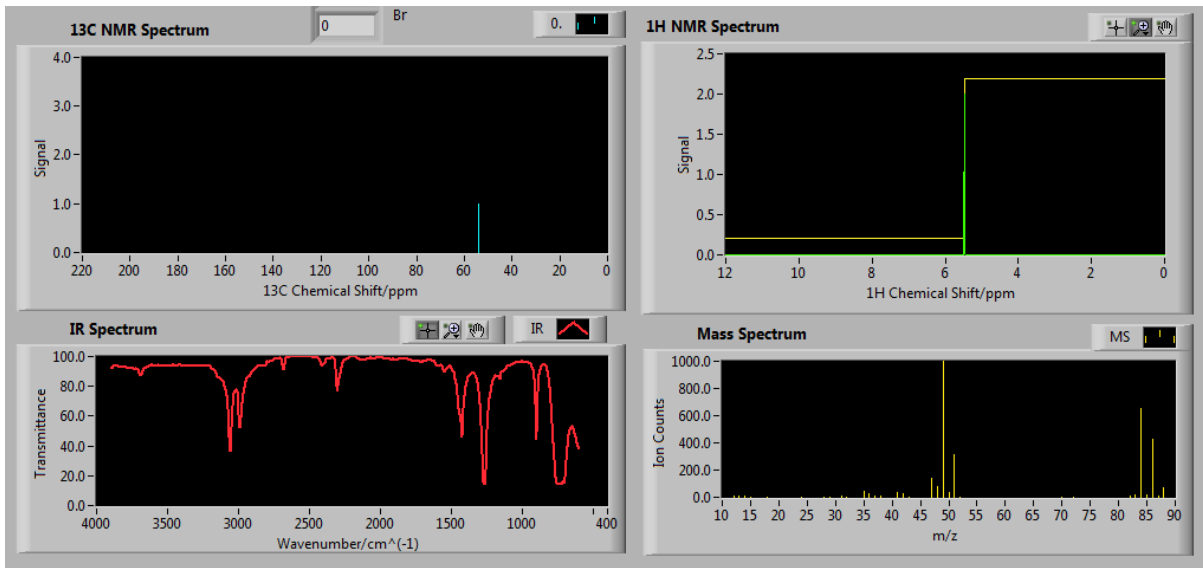
CHEMICAL NUMBER = 75



CHEMICAL NUMBER = 50

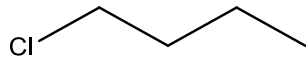
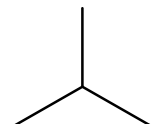
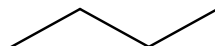
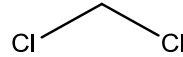
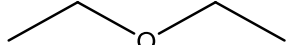
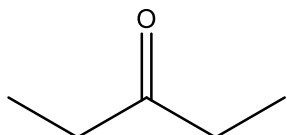
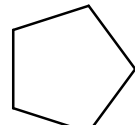
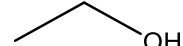
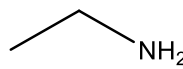


CHEMICAL NUMBER = 34



ANSWERS

* Name not required at VCE level

Systematic Name	Chemical Number	Functional Group	Structure
1-chlorobutane	7	Halogen	
2-methylpropane	18	Hydrocarbon	
Butane	31	Hydrocarbon	
Dichloromethane	34	Halogen	
Ethane	36	Hydrocarbon	$\text{H}_3\text{C}-\text{CH}_3$
Ethoxyethane*	38	Ether	
Pentan-3-one*	50	Ketone	
Cyclopentane	75	Hydrocarbon	
Ethanol	78	Alcohol	
Ethylamine	82	Amine	
Methanoic acid	84	Carboxylic acid	