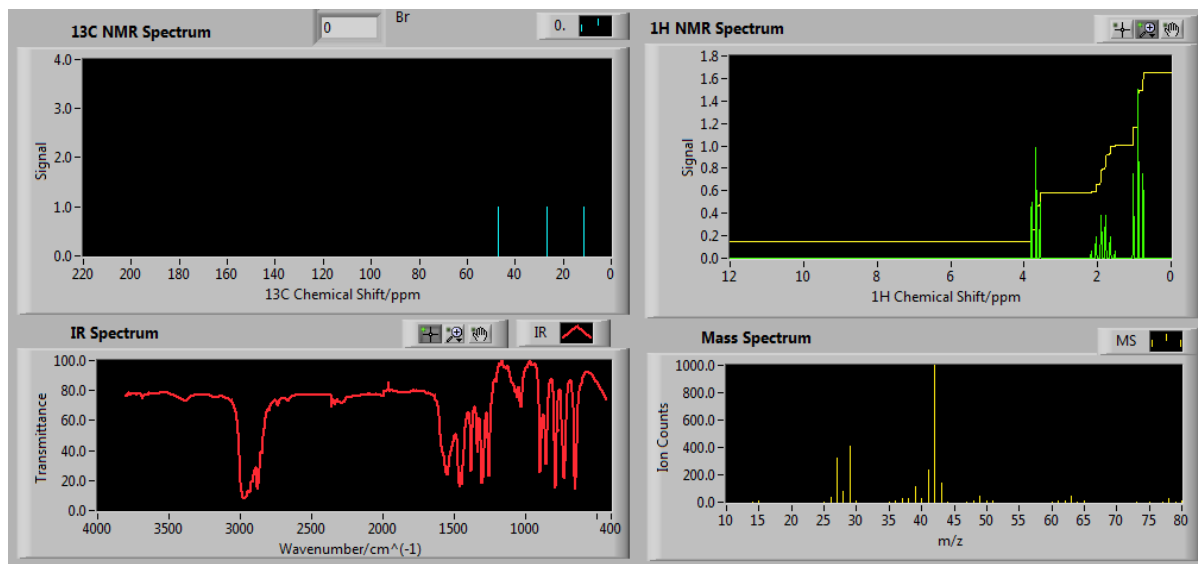


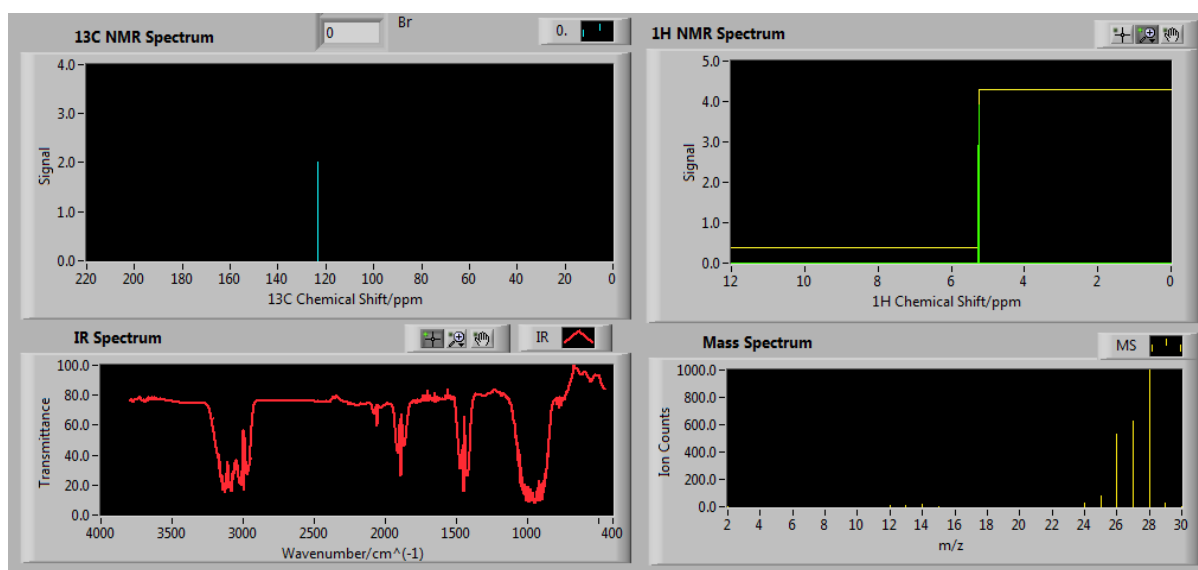
SPECTROSCOPY – COMPOUND IDENTIFICATION (SOURCE: CHEMICAL DETECTIVES)

TEST 3 (LEVEL = EASY)

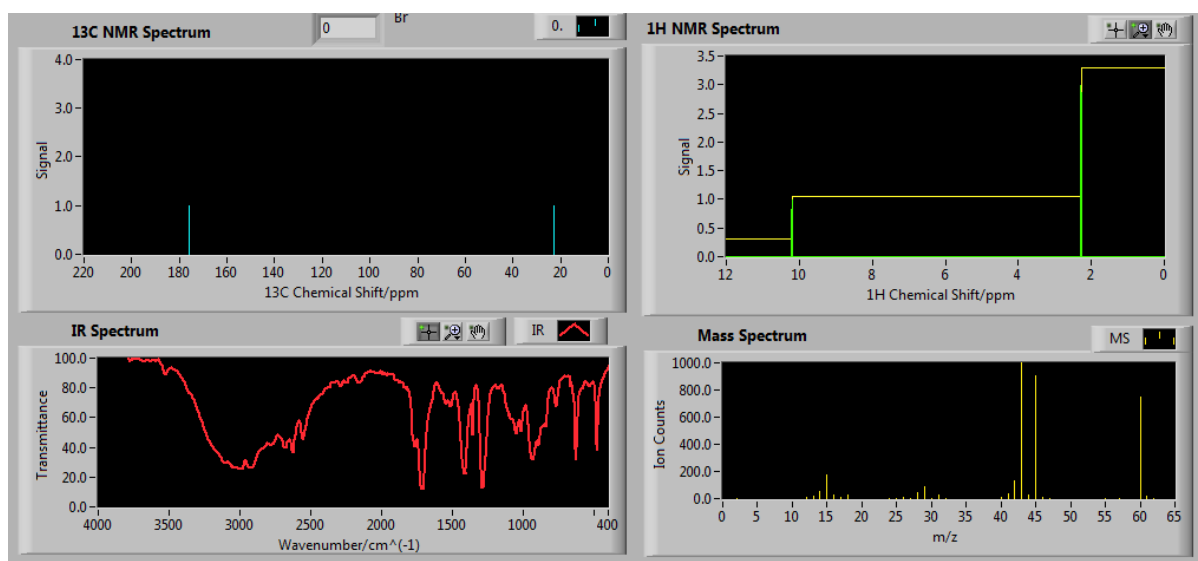
CHEMICAL NUMBER = 6



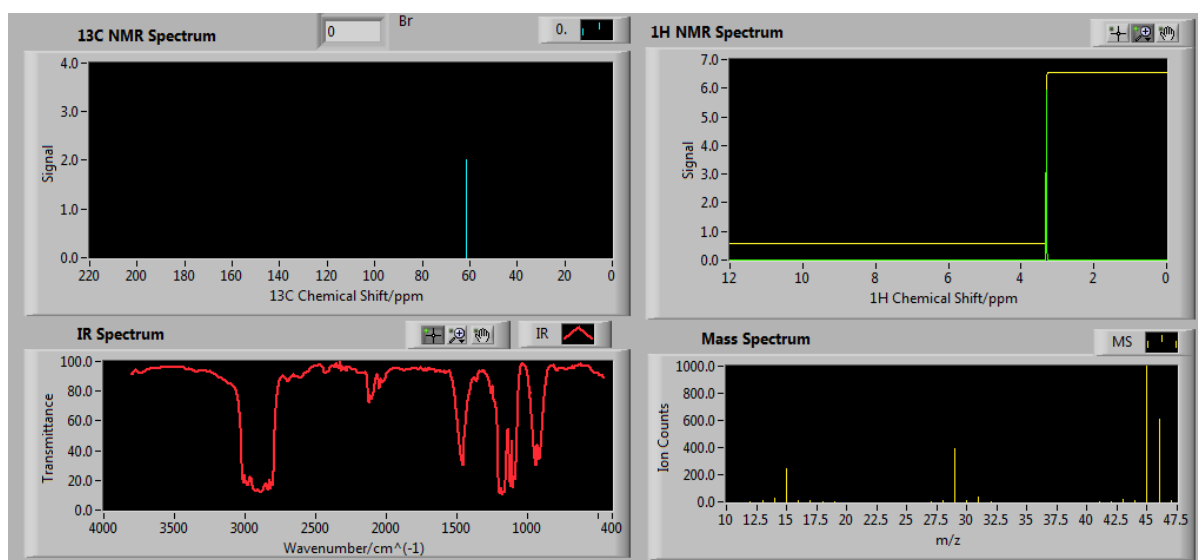
CHEMICAL NUMBER = 37



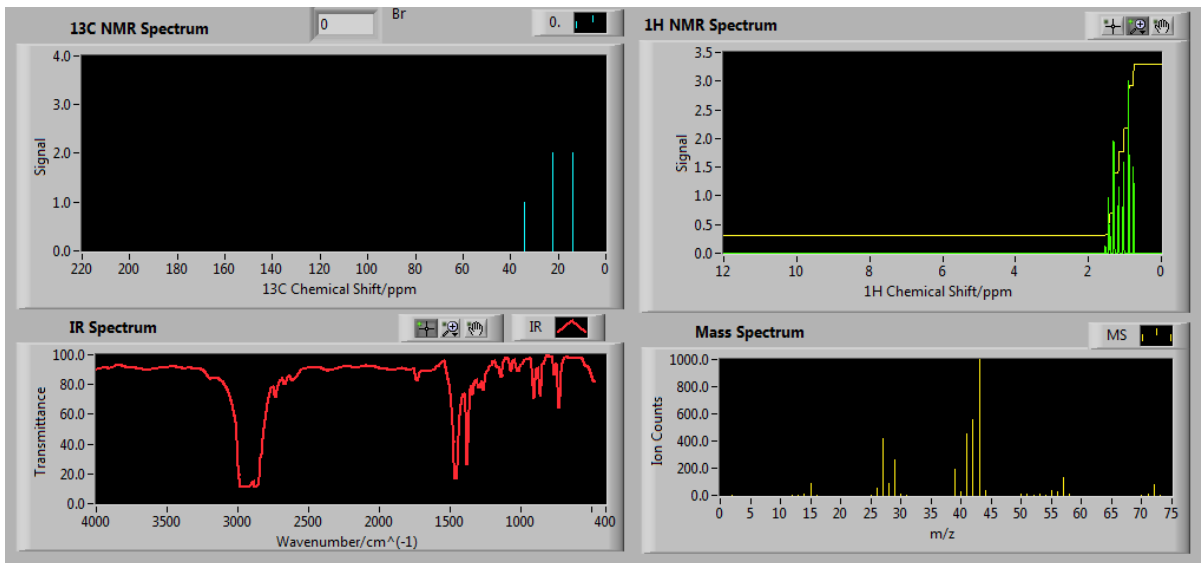
CHEMICAL NUMBER = 68



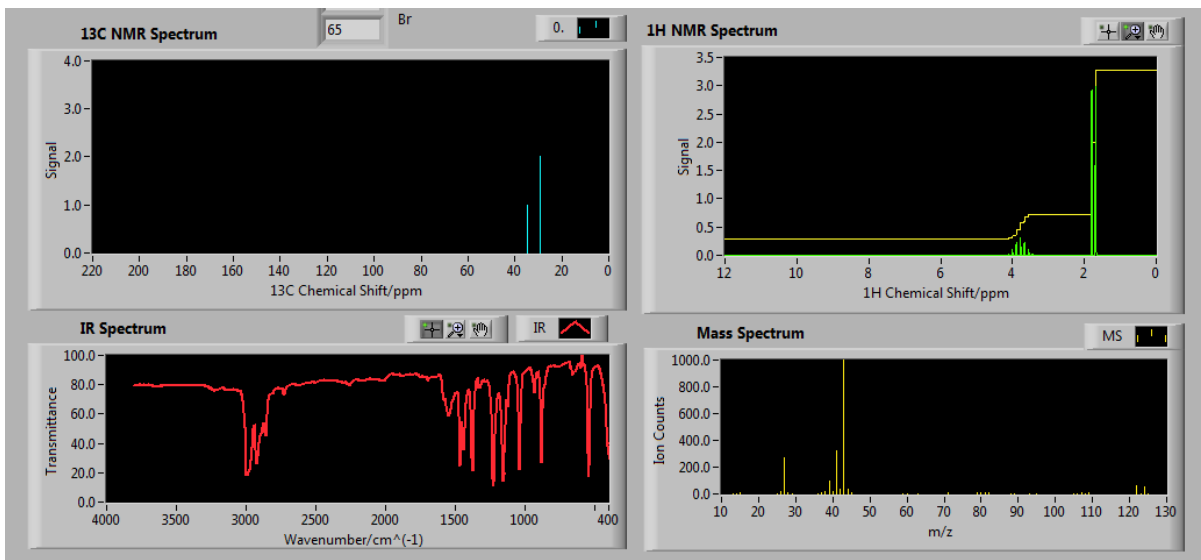
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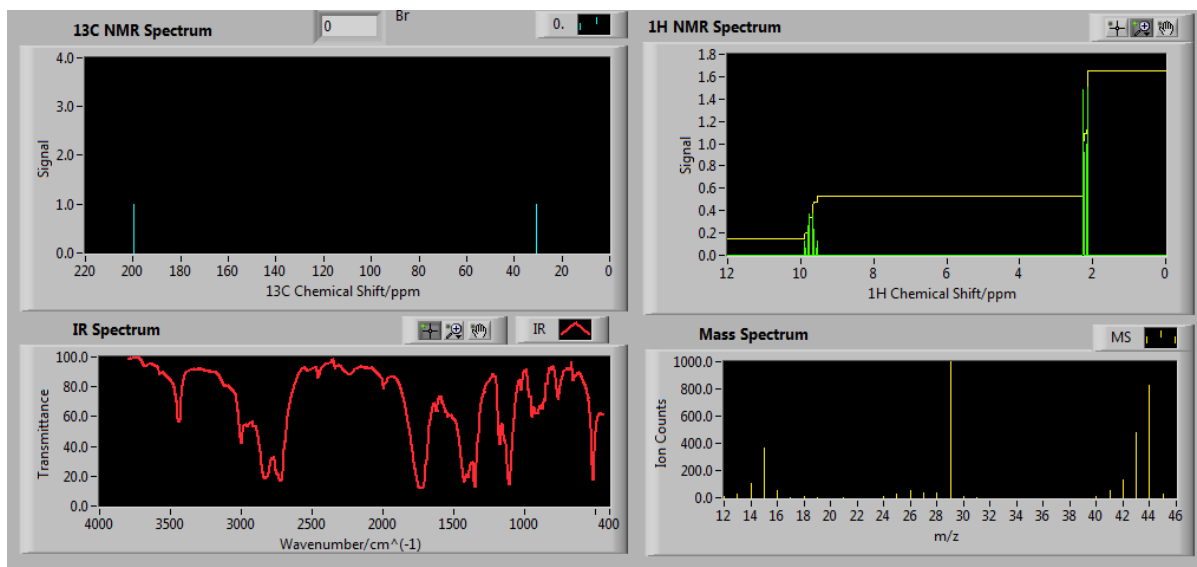
CHEMICAL NUMBER = 51



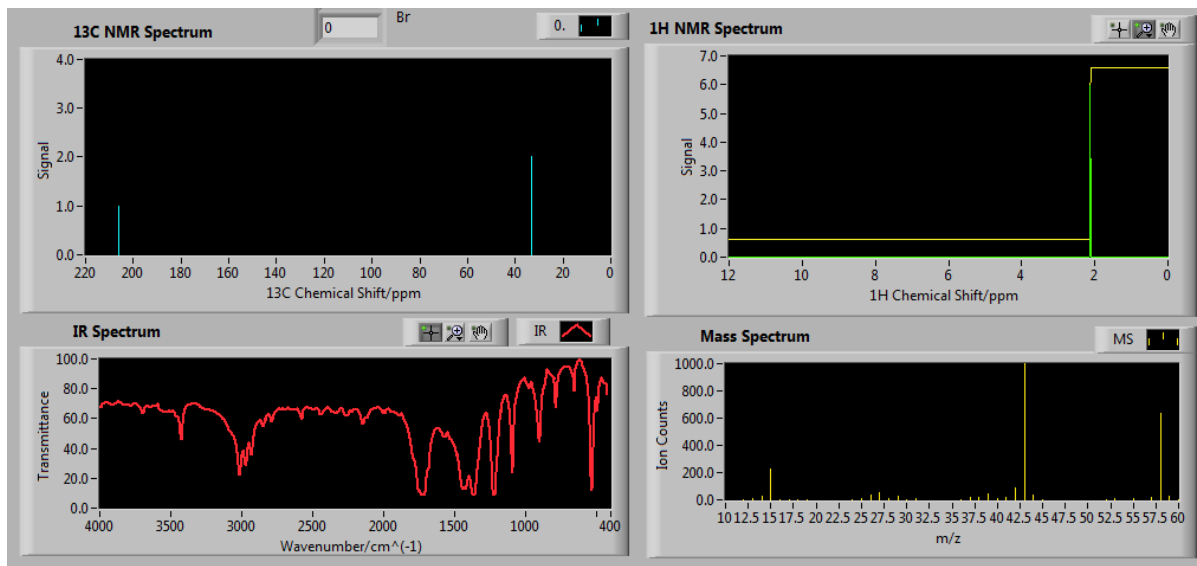
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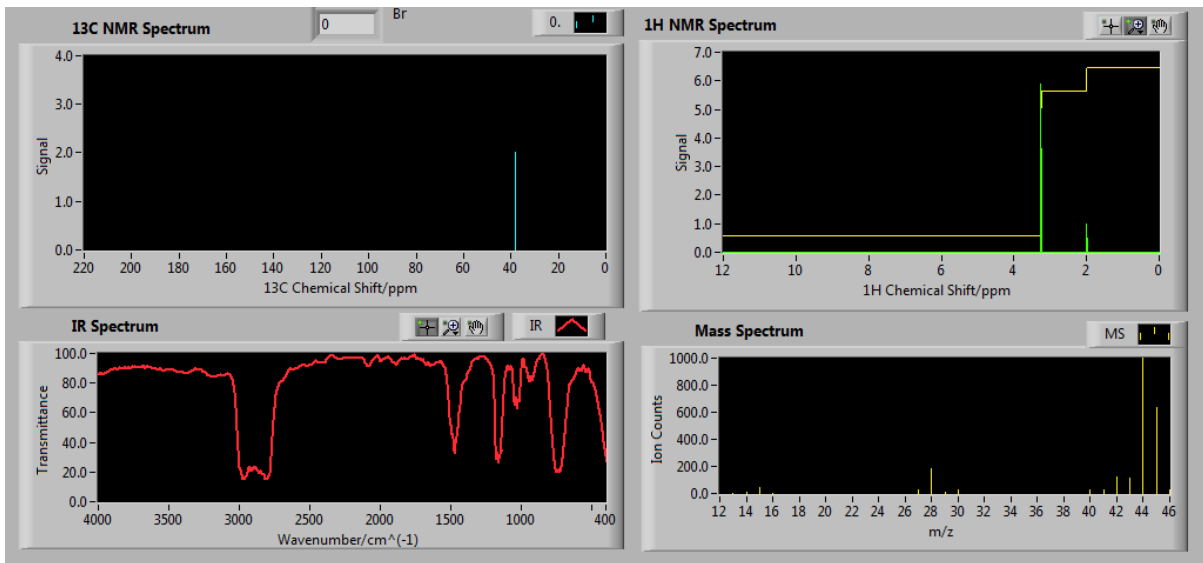
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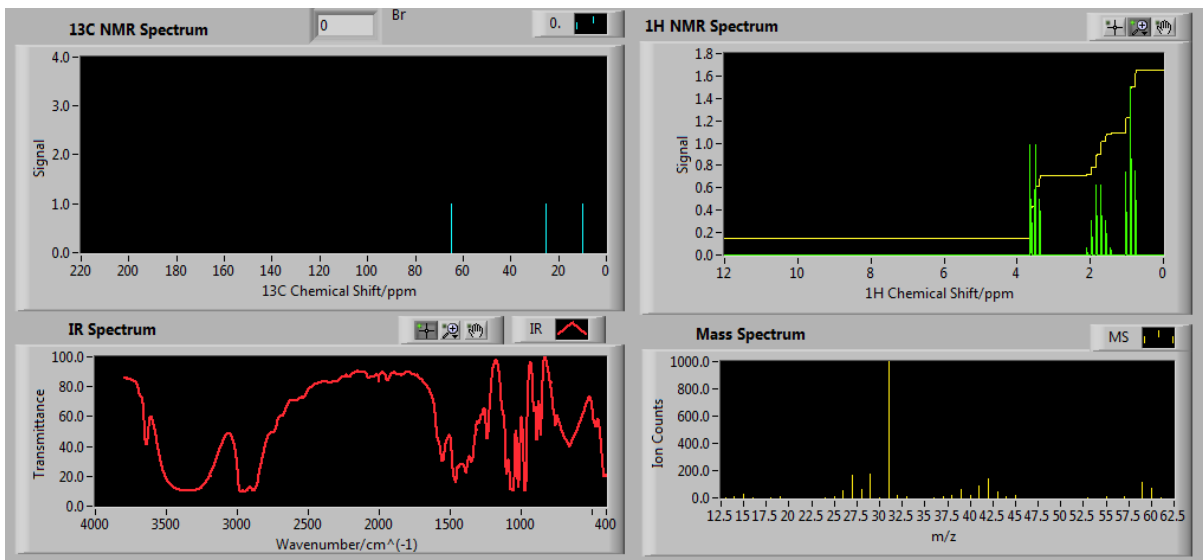
CHEMICAL NUMBER = 54



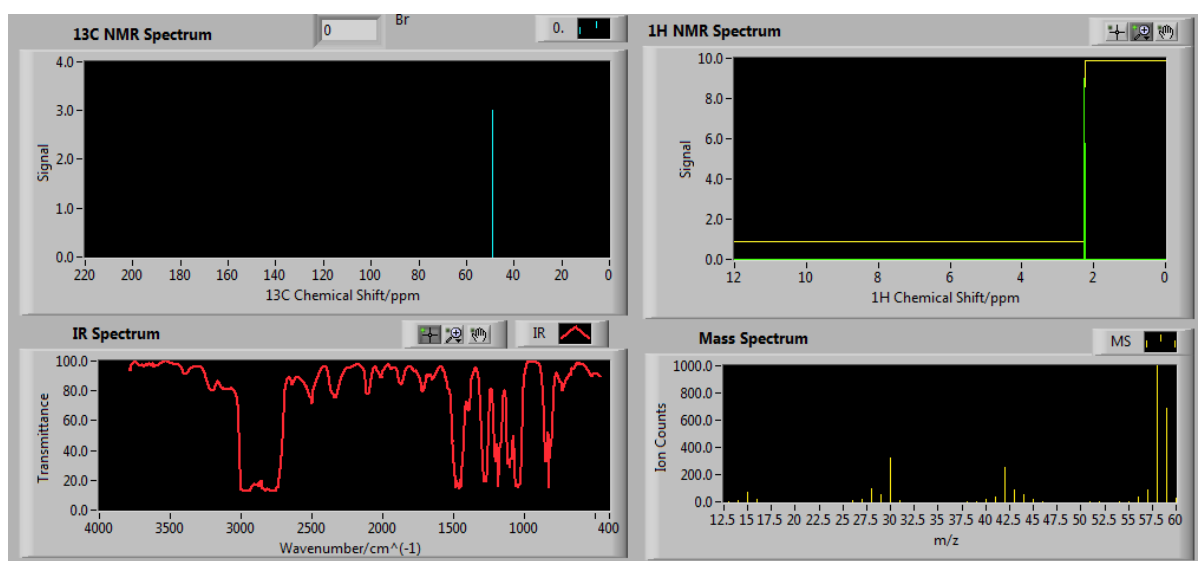
CHEMICAL NUMBER = 77



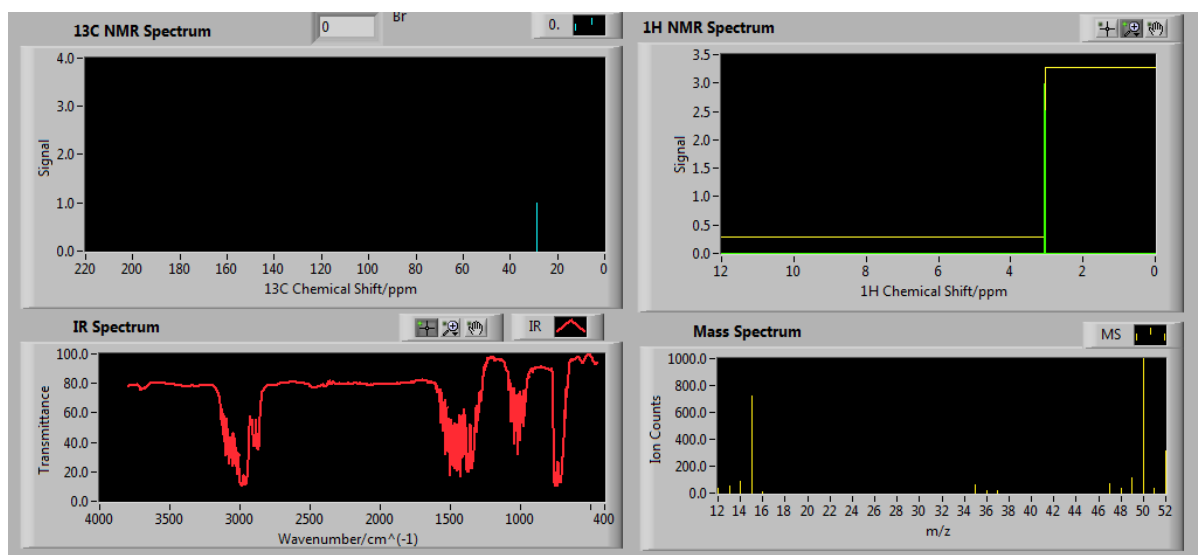
CHEMICAL NUMBER = 101



CHEMICAL NUMBER = 106

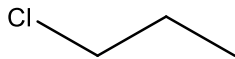
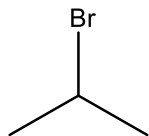
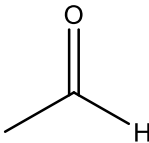
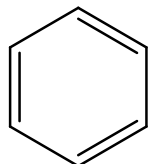
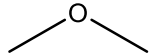
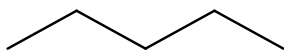
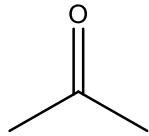
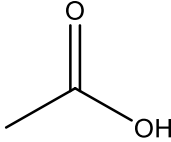
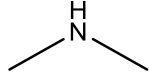
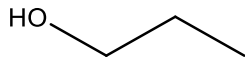


CHEMICAL NUMBER = 24



ANSWERS

* Name not required at VCE level

Systematic Name	Chemical Number	Functional Group	Structure
1-chloropropane	6	Halogen	
2-bromopropane	13	Halogen	
Ethanal*	21	Aldehyde	
Benzene	24	Hydrocarbon	
Ethene	37	Hydrocarbon	$\text{H}_2\text{C}=\text{CH}_2$
Methoxymethane*	45	Ether	
Pentane	51	Hydrocarbon	
Propan-2-one*	54	Ketone	
Ethanoic acid	68	Carboxylic acid	
Dimethylamine	77	Amine	
Propanol	101	Alcohol	
Trimethylamine	106	Amine	