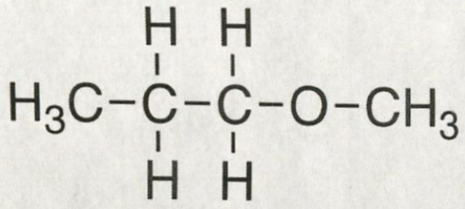
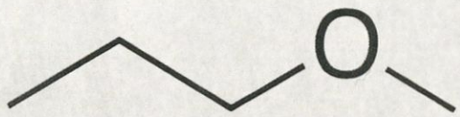
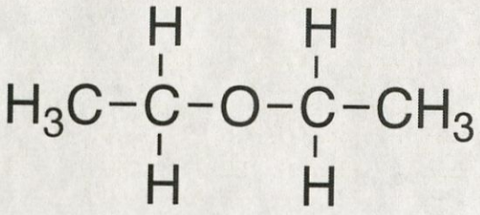
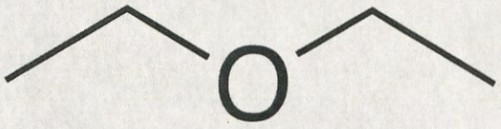
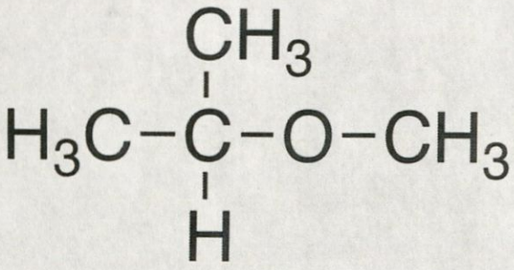
^{1}H NMR

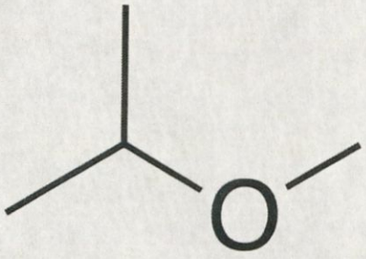






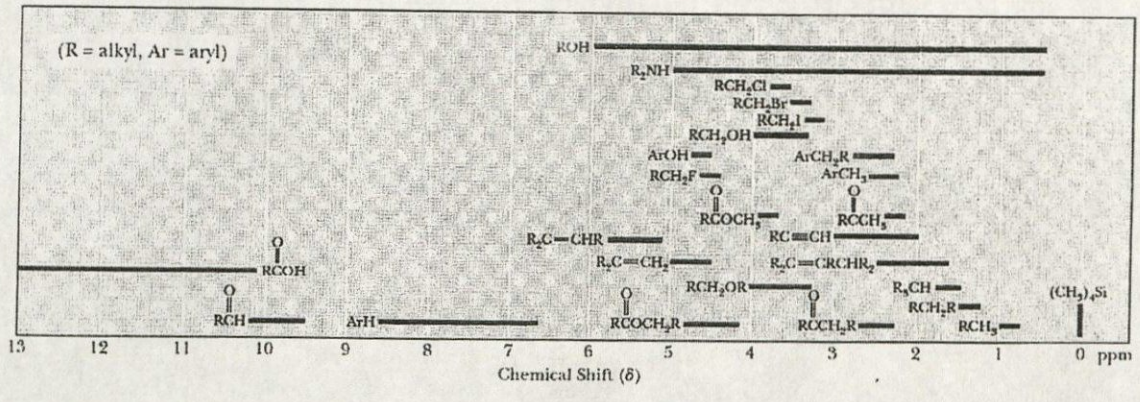






Type of Hydrogen (R = alkyl, Ar = aryl)	Chemical Shift (δ)*	Type of Hydrogen (R = alkyl, Ar = aryl)	Chemical Shift (δ)*
R_2NH	0.5-5.0	RCH_2OH	3.4-4.0
ROH	0.5-6.0	RCH_2Br	3.4-3.6
RCH_3	0.8-1.0	RCH_2Cl	3.6-3.8
RCH_2R	1.2-1.4	$R\overset{O}{\overset{\|}{C}}OCH_3$	3.7-3.9
R_3CH	1.4-1.7	$R\overset{O}{\overset{\|}{C}}OCH_2R$	4.1-4.7
$R_2C{=}CRCHR_2$	1.6-2.6	RCH_2F	4.4-4.5
$RC{\equiv}CH$	2.0-3.0	ArOH	4.5-4.7
$R\overset{O}{\overset{\|}{C}}CH_3$	2.1-2.3	$R_2C{=}CH_2$	4.6-5.0
$R\overset{O}{\overset{\|}{C}}CH_2R$	2.2-2.6	$R_2C{=}CHR$	5.0-5.7
$ArCH_3$	2.2-2.5	$H_2\overset{O}{\overset{/\backslash}{C}}CH_2$	3.3-4.0
RCH_2NR_2	2.3-2.8	$R\overset{O}{\overset{\|}{C}}H$	9.5-10.1
RCH_2I	3.1-3.3	$R\overset{O}{\overset{\|}{C}}OH$	10-13
RCH_2OR	3.3-4.0		

*Values are relative to tetramethylsilane. Other atoms within the molecule may cause the signal to appear outside these ranges.



^{1}H NMR