Problems - afternoon

Name

Post 1/2

1- hydroxy-2-cyclohexene
2,3-dimethyl-4-methylpentyl thiophene
3-(2-chloroethyl) 4-(3-methylpentyl) thiophene
5-hydroxy-2-cyclohexene carboxaldehyde
5-methyl-4-nitroquinoline
5S,6S,4S,4aS,5aS,6aS,1S,3-cyclohexadiene

3-(3-hydroxybutyl)-4-oxo-octadecenoic acid

2,3-dimethyl-1,3-cyclohexadiene
4-methyl anisole

Rxns w/ Mechanism

1. KOCH₂CH₃
2. HOCH₂CH₃
3. H₂SO₄ (trace)
4. H⁺ OCH₂CH₃
Synthesis Problems

MAKE

\[
\begin{align*}
\text{OCH}_3 & \quad \text{from} \quad \text{OCH}_3 \\
\end{align*}
\]

MAKE

\[
\begin{align*}
\text{OCH}_3 & \quad \text{from} \quad \text{must be used} \\
\text{and anything else you want} \\
\end{align*}
\]