Organic Synthesis 4220, Dr. Laurie S. Starkey, Cal Poly Pomona Common Names & Vocabulary

Using Google, Wikipedia or any other reference materials (CRC Handbook, an Aldrich catalog), provide structures for the following compounds:

diethyl ether (usually referred to as "ether")	ethanol (often referred to as "alcohol")
ligroin = petroleum ether = pet ether = light pet. a mixture of alkanes boiling 35–50 °C	methylene chloride (dichloromethane)
(mostly hexanes)	
acetone	ethyl acetate
benzene	dioxane
toluene	chloroform
<i>N,N</i> -dimethylformamide (DMF)	THF
acetonitrile	acetic anhydride
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acetic acid	formaldehyde
acetaldehyde	acetylene
benzoic acid	phenol
aniline	pyridine
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benzoyl chloride	allyl bromide
hydrazine	propargyl alcohol
benzyl alcohol	vinyl bromide
Translate the following abbreviations to the full name & structure each represents:	Hint: "Ac" = acetyl group = -COCH ₃ "Bn" = benzyl group = -CH ₂ Ph
PhCHO	EtOAc
BnBr	t-BuOH
Et ₂ O	LDA (lithium diisopropylamide)
	ED11 (numum unsopropytamide)
АсОН	CH ₃ COCl
PhCO ₂ H	Ac ₂ O
<i>i</i> -PrOH	TsOH (<i>p</i> -toluenesulfonic acid, or tosic acid)
	- <i>V</i>
TBAF	MPMCl (p-methoxybenzyl chloride)
TMSCl	<i>i</i> BuOH