

U61:

Choose an appropriate distillation method to isolate the given component from the following mixtures.

Available are: simple distillation, steam distillation, (fractionated) vacuum distillation, fractionated (normal pressure) distillation.

Justify your decision!

	Component/ mixture	Distillation method	Justification
1	Ethanol, w > 90% from a ethanol-water mixture with metal impurities		
2	Nonanol from a nonanol-decanol mixture 1:1		
3	Acetone from an acetone-heptanol mixture		
4	Essential oil from lemon peels		