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Part A:

Methanol is used in place of Acetone for cleaning 1 micro liter of the following substances (ethanol, methanol, propyl acetate, butyl acetate, 2-Butanone, 4-methyl-2-pentanone, unknown A, unknown B) were injected into the gas chromatograph for a volume time of 4 minutes, with a runtime of 8 minutes.

Result:

<u>Substance</u>	<u>Reaction time</u>
Ethanol	1.535 mins
Methanol	1.415 mins
Propyl Acetate	3.845 mins