GAS CHROMATOGRAPHY REPORT FORM Alkyl Acetates Mixture

Name		Drawer Number							
Date La		ab Se	ction		Instruc	tructor			
GC C	Conditions:								
	Column Liquid Phase				Column Tem	p. (°C)			
He Flow Rate (mL/m		n)			Detector Temp. (°C)				
					Injector Temp. (°C)				
Stand	lard Mixture of Alkyl	Acetai	tes:						
Alkyl acetate ROAc		Ethyl acetate EtOAc			ropyl acetate rOAc	Butyl acetat BuOAc	e	Pentyl acetate PenOAc	
Rete	ntion Time, R _T (min.)								
Liter	rature B.pt.								
Peak	Area, A (mm ²)								
	ponse Factor, f $_{\text{EtOAc}}/A_{ ext{ROAc}}$								
Unkn	own Mixture of Alkyl	Aceta	tes:						
Unknown #			peak 1		peak 2	peak 3		peak 4	
Rete	ntion Time, R _T (min.)								
Iden	tity of Peak								
Peak	Area, A (mm ²)								
Corr	ected Relative Peak								
Mole	e % Component								

NOTE: The unknown sample may not contain 4 peaks. Use as many of these peak designations as required for your sample.

Question: What is the relationship between the boiling points and the retention times of the alkyl acetates?
Citations: 1.
2.
3.
J.
4.