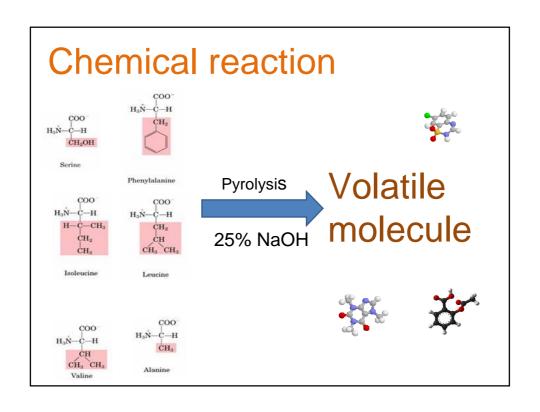
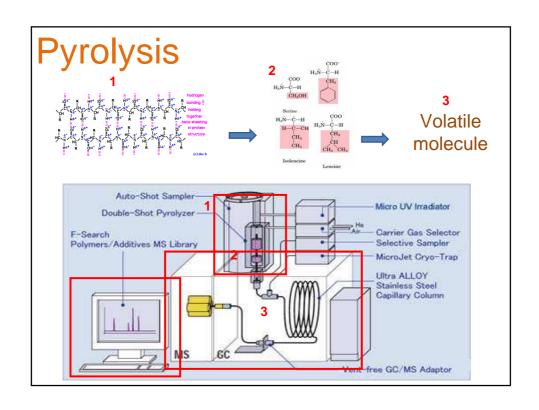


## Procedures for alkali-catalyzed PyGC

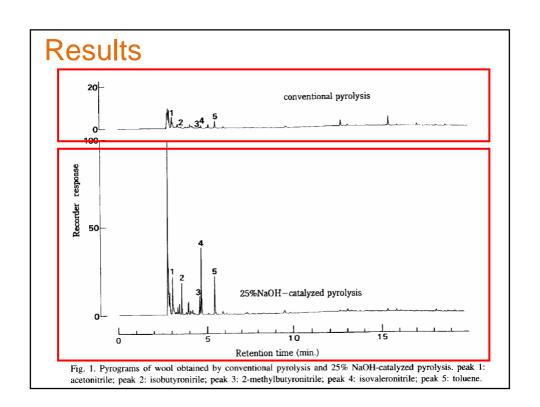
A sample (approx. 20 ug) consisting of four single wool fibers each approx. 10 mm in length was placed on a piece of pyrofoil.

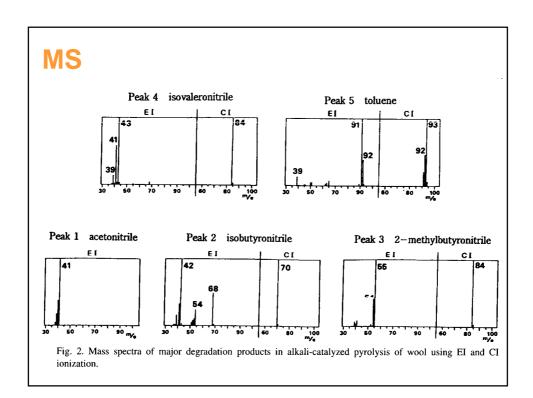
After adding 0.5 ul of 25% aqueous sodiumhydroxide, the sample was wrapped in pyrofoil for use in PyGC.

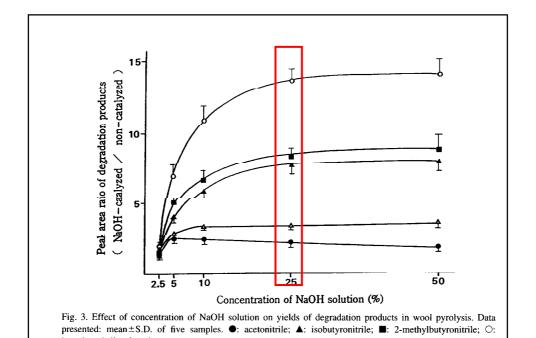




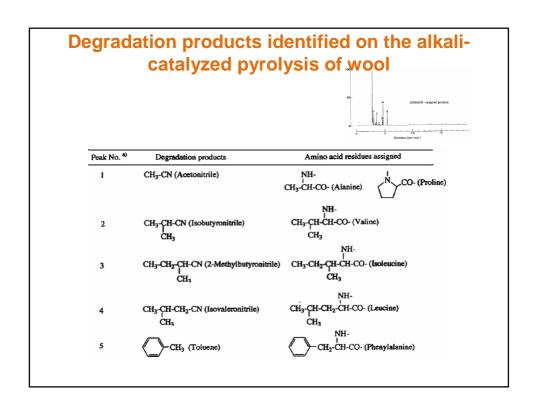
Pyrolyzer Instrument	Japan analytical industry		
Instrument	Curie point Model JHP-2 (GC), JHP-3 (GC-MS)		
Pyrolysis	590°C; 3 s		
Oven temperature	120°C		
Pipe temperature	250°C		
GC			
Instrument	Shimadzu GC-7AG		
Detector	FID		
Column	J&W DB-5 (0.25 mm i.d.×30 m), film thickness 0.25 $\mu$ m		
Column temperature	60°C (8 min)-230°C (10°C/min)		
Injection temperature	230°C		
Detector temperature	230°C		
Carrier gas	Nitrogen, flow rate 1.0 ml/min, split 30:1		
Make up gas	Nitrogen, flow rate 50 ml/min		
GC-MS			
Instrument	Shimadzu QP-1000		
Column	J&W DB-5 (0.25 mm i.d. $\times$ 30 m), film thickness 0.25 $\mu$ m		
Column temperature	60°C (8 min)-230°C, 10°C/min		
Injection temperature	230°C		
Carrier gas	Helium, flow rate 1.0 ml/min		
Make up gas	Helium, flow rate 40 ml/min		
Ion source energy	70 eV(EI), 20 eV(CI)		
Reaction gas	Isobutane		

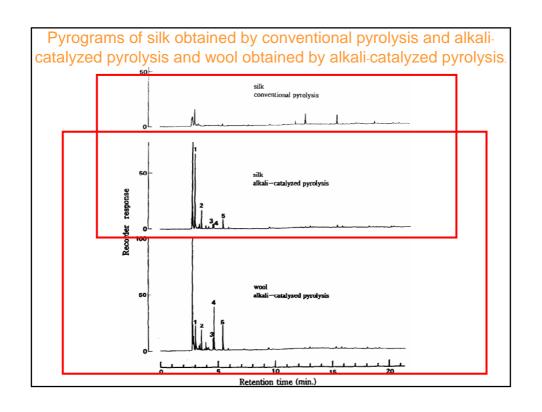


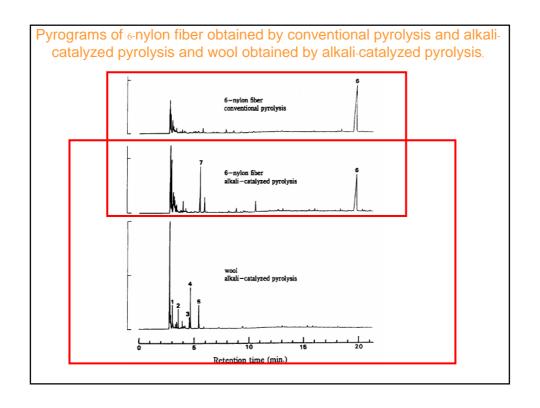


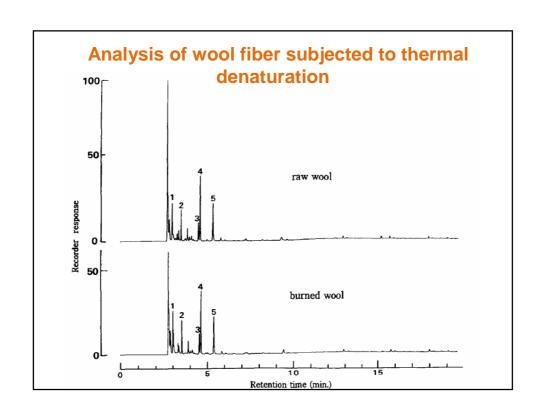


isovaleronitrile; ∆: toluene.









Conclution		

Question