

Table2.The initial decomposition pathways of C₁₀₀H₂₀₂ in different systems

Reaction Pathways	Electric field (V/Å)		
	0V/Å	0.003V/Å	0.03V/Å
$C_{100}H_{202} \rightarrow C_{40}H_{81} + C_{60}H_{121}$	1	/	/
$C_{100}H_{202} \rightarrow C_{45}H_{91} + C_{55}H_{111}$	1	/	/
$C_{100}H_{202} \rightarrow C_{11}H_{23} + C_{89}H_{179}$	1	1	/
$C_{100}H_{202} \rightarrow C_3H_7 + C_{97}H_{195}$	1	1	/
$C_{100}H_{202} \rightarrow C_{35}H_{71} + C_{65}H_{131}$	1	1	/
$C_{100}H_{202} \rightarrow C_{32}H_{65} + C_{68}H_{137}$	1	/	/
$C_{100}H_{202} \rightarrow C_{38}H_{77} + C_{62}H_{125}$	1	/	/
$C_{100}H_{202} \rightarrow C_{24}H_{49} + C_2H_4 + C_{74}H_{149}$	1	/	/
$C_{100}H_{202} \rightarrow C_{13}H_{27} + C_{87}H_{175}$	1	/	1
$C_{100}H_{202} \rightarrow C_{10}H_{21} + C_{90}H_{181}$	1	/	/
$C_{100}H_{202} \rightarrow C_{14}H_{29} + C_{86}H_{173}$	/	1	1
$C_{100}H_{202} \rightarrow C_{17}H_{35} + C_{83}H_{167}$	/	1	/
$C_{100}H_{202} \rightarrow C_{42}H_{85} + C_{58}H_{117}$	/	1	/
$C_{100}H_{202} \rightarrow C_4H_9 + C_{96}H_{192} + H$	/	1	/
$C_{100}H_{202} \rightarrow C_6H_{13} + C_{94}H_{189}$	/	1	1
$C_{100}H_{202} \rightarrow C_{39}H_{79} + C_{61}H_{123}$	/	1	/
$C_{100}H_{202} \rightarrow C_{36}H_{73} + C_{64}H_{129}$	/	1	/
$C_{100}H_{202} \rightarrow C_{91}H_{183} + C_9H_{19}$	/	/	1
$C_{100}H_{202} \rightarrow C_{37}H_{75} + C_{63}H_{127}$	/	/	1
$C_{100}H_{202} \rightarrow C_{22}H_{45} + C_{78}H_{156} + H$	/	/	1
$C_{100}H_{202} \rightarrow C_{20}H_{41} + C_{80}H_{161}$	/	/	1
$C_{100}H_{202} \rightarrow C_{24}H_{49} + C_{76}H_{153}$	/	/	1
$C_{100}H_{202} \rightarrow C_4H_9 + C_{96}H_{193}$	/	/	1
$C_{100}H_{202} \rightarrow C_{49}H_{99} + C_{51}H_{103}$	/	/	1