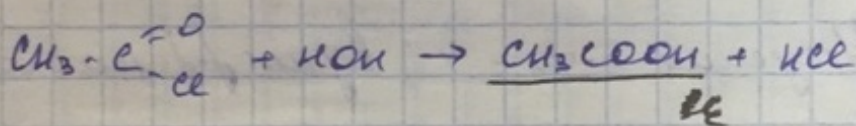
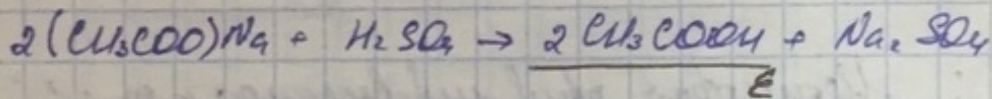
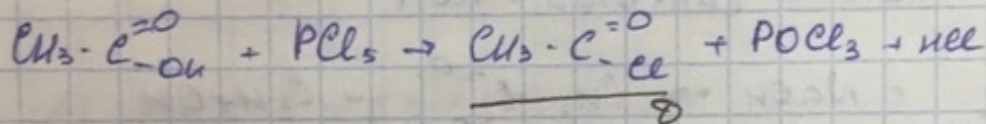
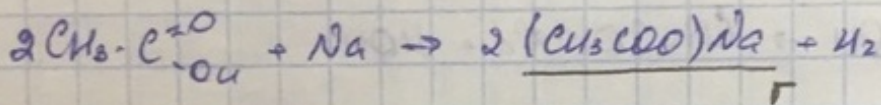
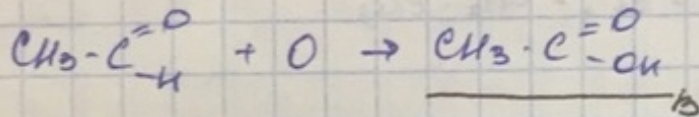
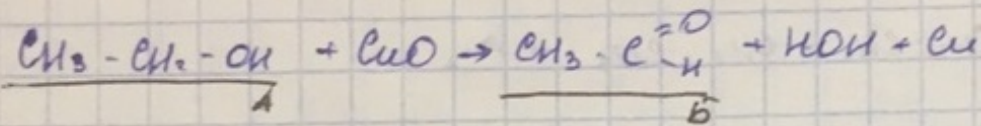


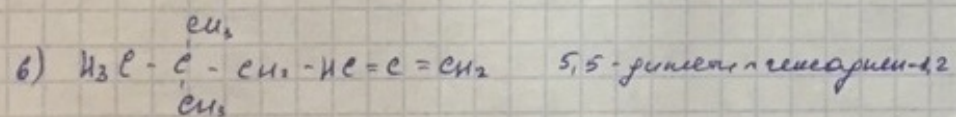
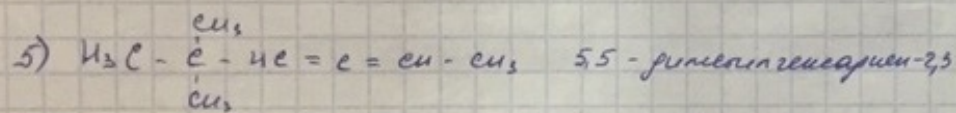
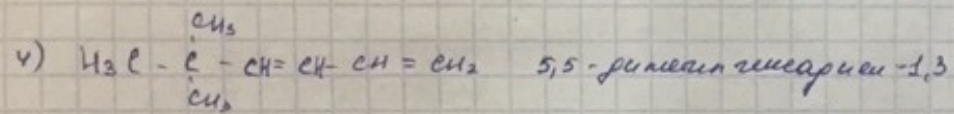
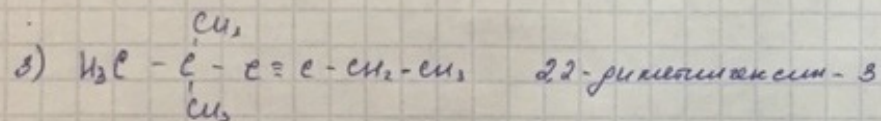
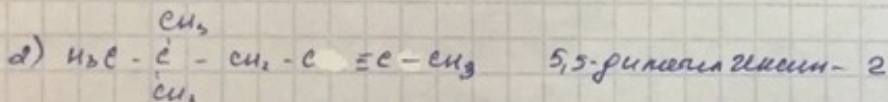
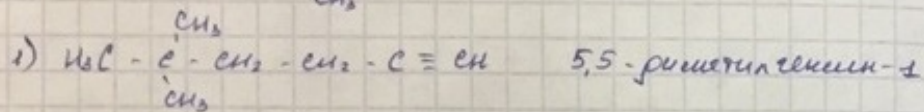
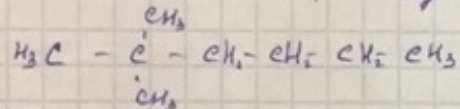
1 $\text{H}_3\text{C}-\text{O}-\text{CH}_3$ - ди метил эфир

1 $\text{H}_3\text{C}-\text{CH}_2\text{OH}$ - этанол



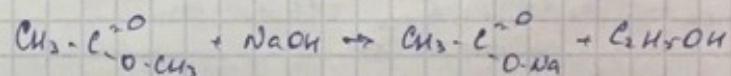
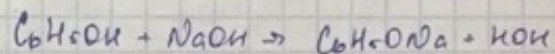
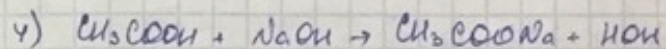
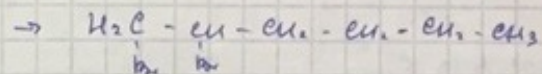
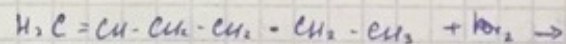
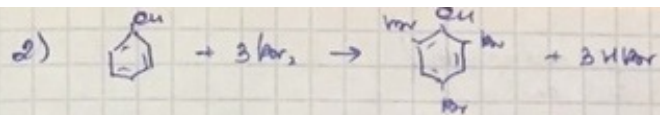
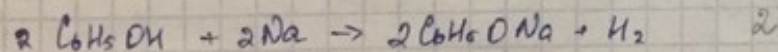
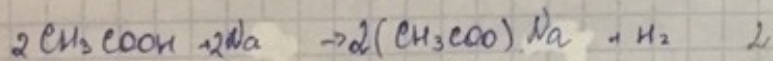
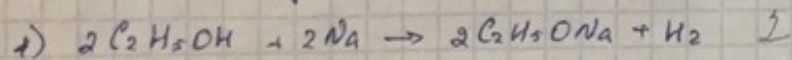
545

№1 C_8H_{14} - C_nH_{2n-2} - алкино, алкадиенов



№2. Гексен, метилового эфира муравьиной кислоты,

этанол, уксусная кислота, водородная соль фенола



Гексен - 3; Метиловый эфир муравьиной кислоты - 1;

Этанол - 2; Уксусная кислота - 4; водородная соль фенола - 5.

№3. Дано:
 $m(C_2H_4O_2) = 2,3g$
 $D_{H_2O} = 11,5$
 $V_{CO_2} = 224ml$
 $m_{H_2O} = 2,7g$
 $C_xH_yO_z = ?$

Решение:

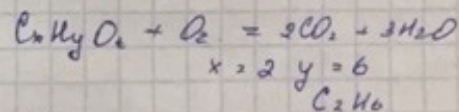
$D_{H_2O} = \frac{M(C_2H_4O_2)}{M_{H_2O}}; M(C_2H_4O_2) = 46.$

$\nu(C_2H_4O_2) = \frac{m}{M} = \frac{2,3}{46} = 0,05 \text{ моль}$

$\nu(CO_2) = \frac{V}{V_m} = \frac{224}{22,4} = 10 \text{ моль}$

$\nu(H_2O) = \frac{m}{M} = \frac{2,7}{18} = 0,15 \text{ моль}$

$\nu(C_2H_4O_2) : \nu(CO_2) : \nu(H_2O) = 0,05 : 10 : 0,15 = 1 : 2 : 3$



$M(C_2H_6) = 30$
 $\Rightarrow C_2H_6O$

C_2H_5OH - метиловый эфир, муравьиной кислоты