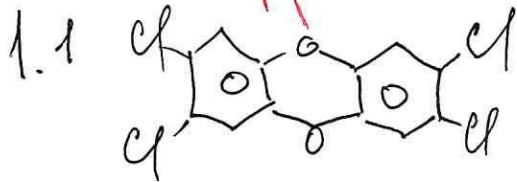


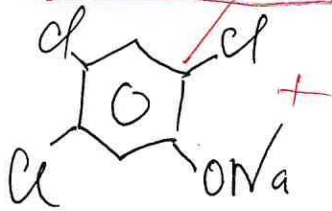
1	2	3	4	5	6	7	8	9	10
6	6	6	10	10	12	12	12	18	18



$\rho(\text{Cl}) = 43$

$m(\text{Cl}) = 152,65$

$m(\text{см}) = 3439,5$



$\rho(\text{Cl}) = 44,58\%$

$m(\text{Cl}) = 44,38\%$

2.1  $m = 50$ ;  $V = 100$ ;  $V(\text{ф.р.м.}) = 95$

$16z - 50 \sqrt{6} \rightarrow 32z \rightarrow 25\%$

црз  $(16 + 32) / 2 = 24$  су гер  $37,5\%$

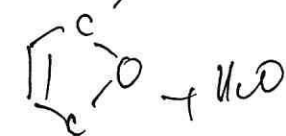
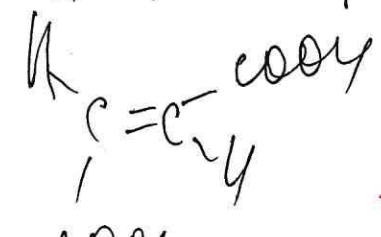
црз  $28 \rightarrow 31,25\%$

3.1.  $\rho(\text{CO}_2) = 2\rho(\text{H}_2\text{O})$   $\rho(\text{C}) = \rho(\text{H}) \rightarrow \text{C}_n\text{H}_n\text{O}_m$

$16m = 95877(13n + 16m) \rightarrow \text{C}_4\text{H}_4\text{O}_4$

$\rho(\text{C}_4\text{H}_4\text{O}_4) = 0,02$

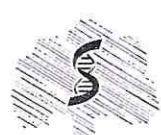
$\rho(\text{KOH}) = 0,04$   $\rho(\text{K}_2\text{CO}_3) = 0,02$



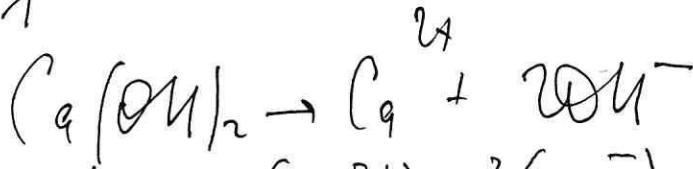
$\rho(\text{H}_2\text{O}) = 0,011$

$\omega(1) = 55\%$

$\omega(2) = 45\%$



5.1



$$K_s = c(Ca^{2+}) \cdot c^2(OH^-)$$

$$c(Ca^{2+}) = x$$

$$c(OH^-) = 2x$$

+

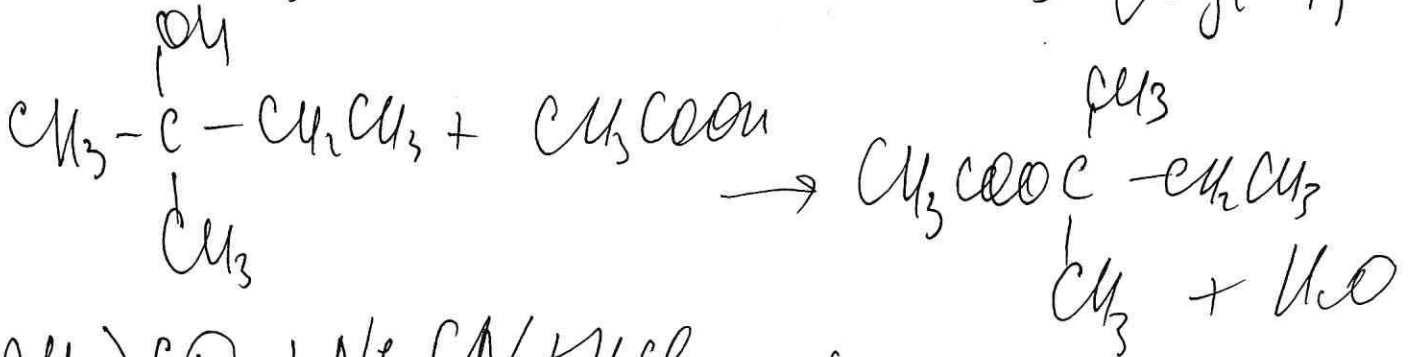
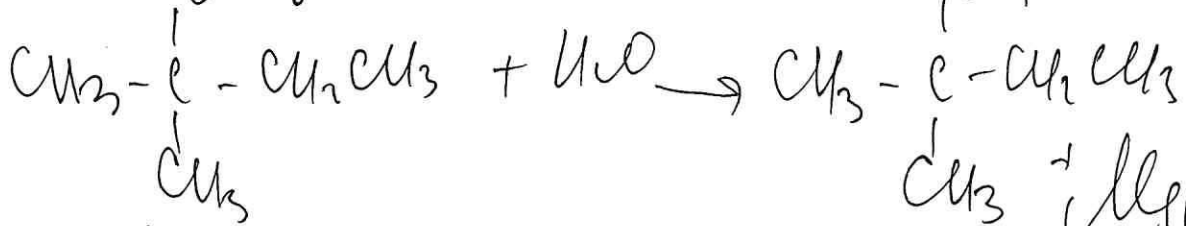
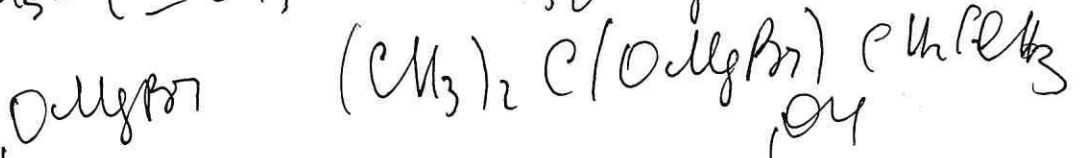
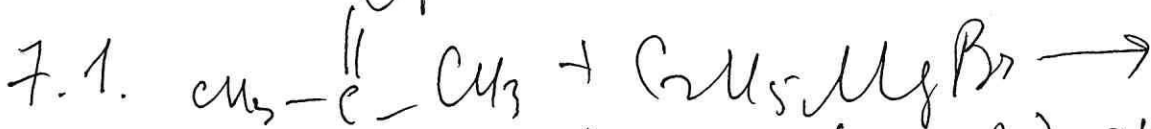
$$x = 1,16 \cdot 10^{-2}$$

$$m(Ca(OH)_2) = 1,16 \cdot 10^{-2} \cdot 74 = 0,856 \text{ г}$$

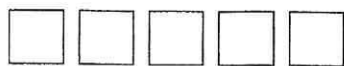
$$V = 2 \cdot 1 / 0,856 = 2,34 \text{ л}$$

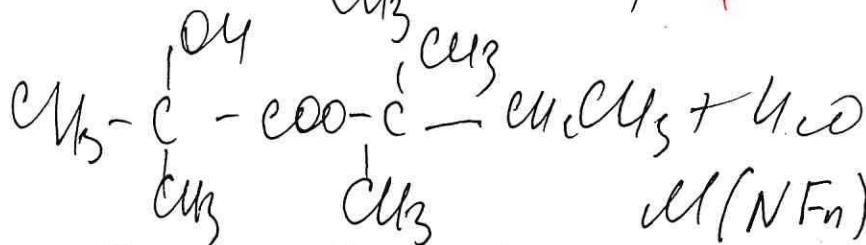
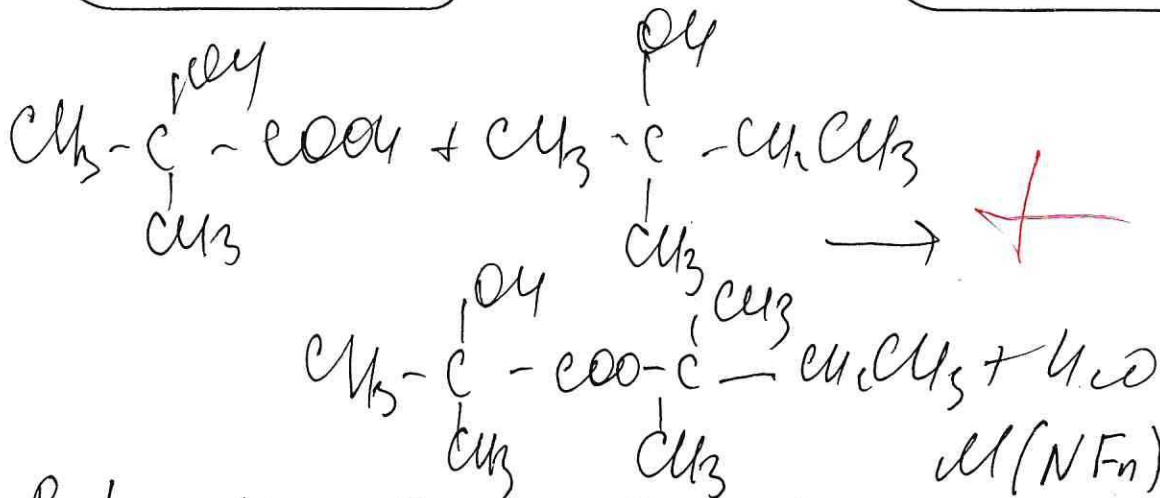
$$pOH = -\lg(OH) = 1,64$$

$$pH = 14 - 1,64 = 12,36$$

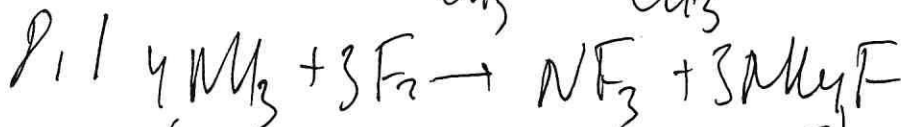


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$$M(\text{NF}_3) = 71 \quad n=3$$

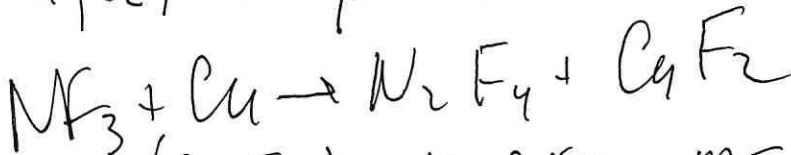


$$V(\text{M}_2) = 0,25x \quad V(\text{M}_2\text{F}) = 0,75x$$



10

$$M(22) = 104 \text{ г/моль} \rightarrow \text{N}_2\text{F}_4$$

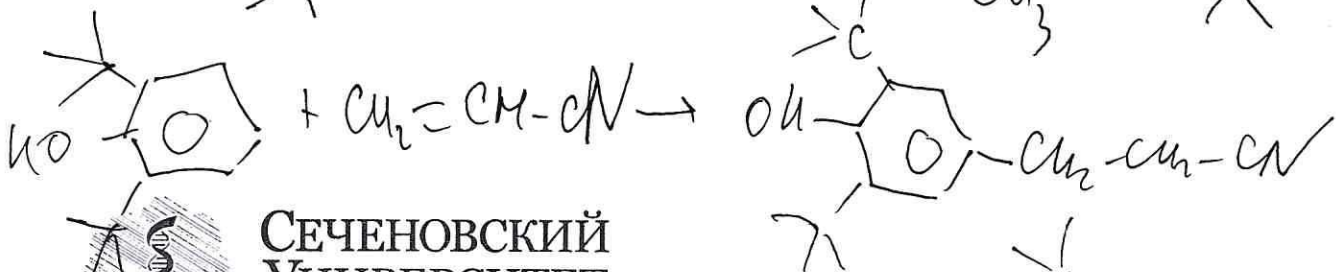
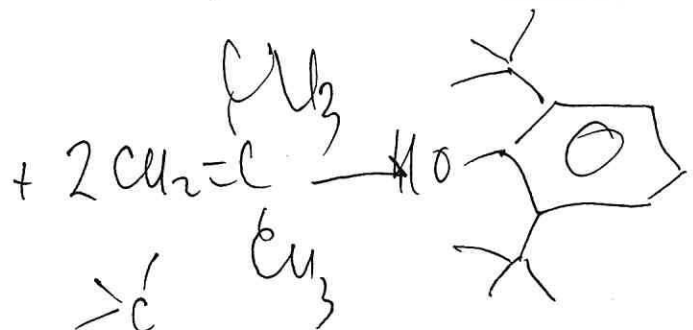
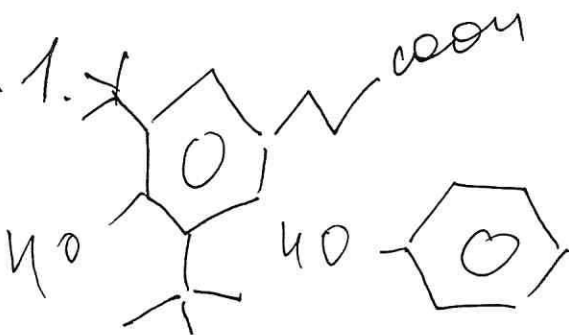


$$M(\text{CuF}_2) = 127,25x \quad m = 27,75x$$

$$M_{\text{см}} = 40,5x$$

$$\begin{aligned} \omega(\text{M}_2\text{F}) &= 68,5\% \\ \omega(\text{CuF}_2) &= 31,5\% \end{aligned}$$

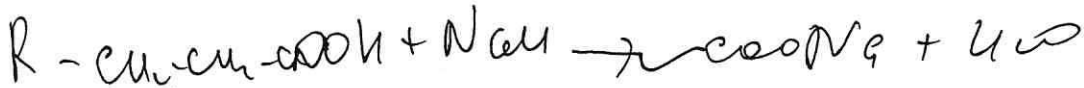
10.1.



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$$\begin{aligned} \nu(\text{NaOH}) &= 0,68 - 610 \\ & \quad \quad \quad \downarrow \\ & \quad \quad \quad 4 - 650 \end{aligned}$$

$$\nu(\text{C}_7\text{H}_{12}\text{O}_2) = 3,4$$

$$M = 945,7$$

$$W = \frac{945,7}{995} \cdot 95 \approx 90,7$$

+18

