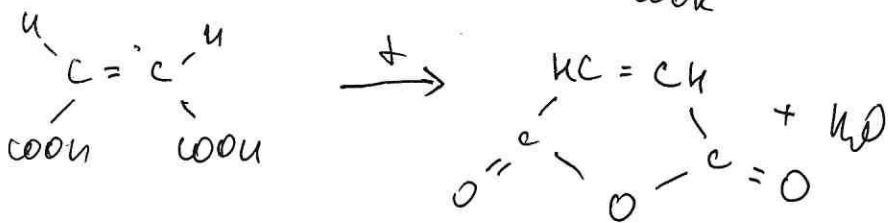
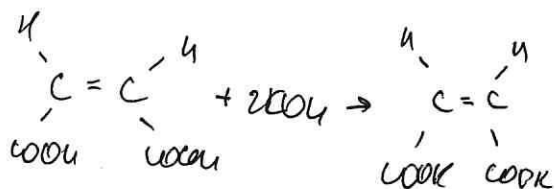
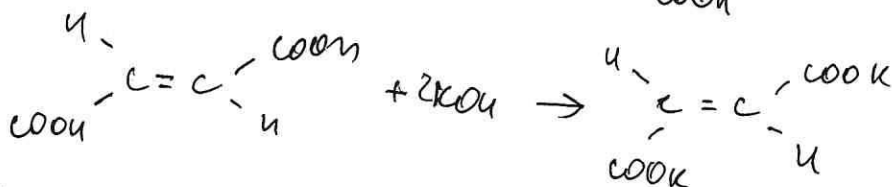
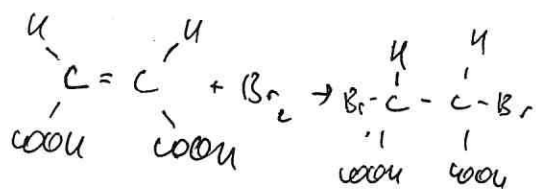
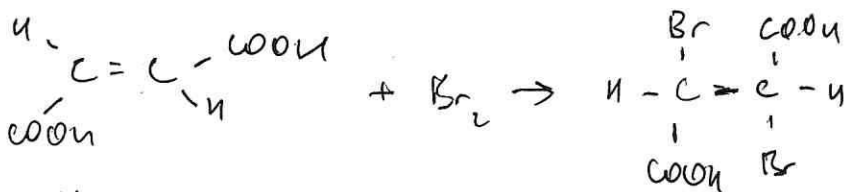


$M(C_xH_yO_z) = 16 : 55,17 \cdot 100 = 29g$

$12x + 16y = 29g$

$x = y$

простейшая формула - CHO , реальная - $C_4H_4O_4$



тут не однократно
еще раз

$v(H_2O) = \frac{2}{18} \approx 0,1111$ моль

$v(\text{укс-уксера}) = 0,1111$ моль

$m = 1,28876$ г

$w(\text{укс уксера}) = 55,55\%$

$w(\text{тукс уксера}) = 45,45\%$

65

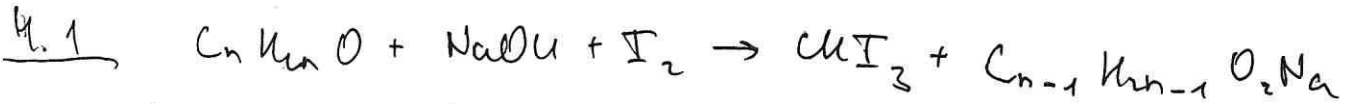
1	2	3	4	5	6	7	8	9	10
0	0	6	4	0	6	10	12	0	12



СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

10x044

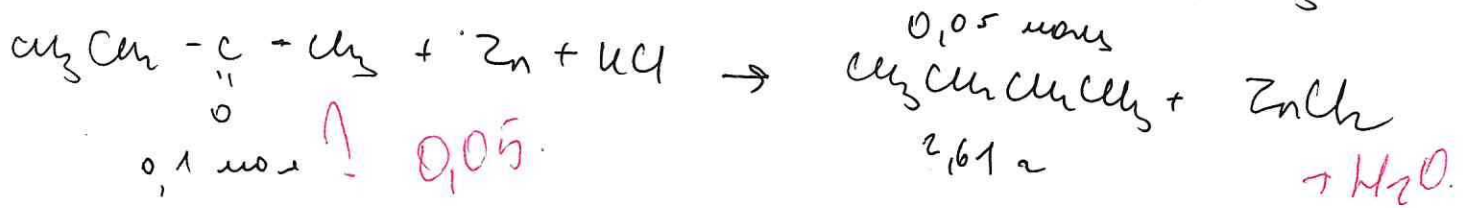
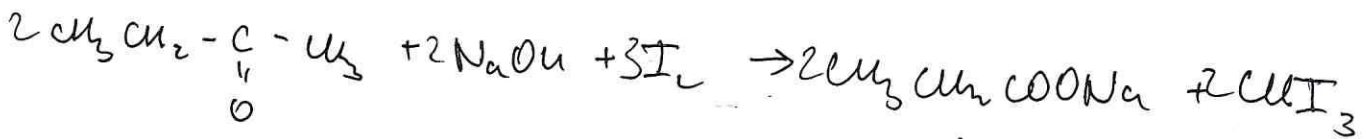
$\Sigma 50\%$ Берн



$$v(CHI_3) = \frac{19,7}{394} = 0,05 \text{ моль}$$

$$M = 4,8 : 0,05 = 96$$

простейшее ср-ли - $C_3 H_5 O_2 Na$



$$v(\text{Бутана})_{\text{теор}} = 0,1 \text{ моль}$$

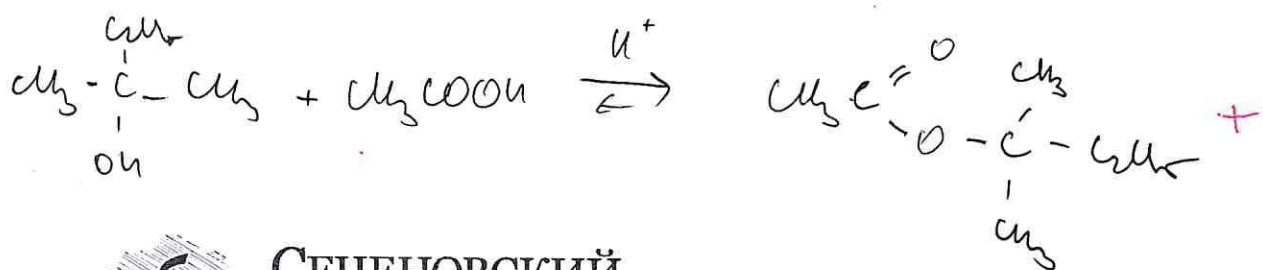
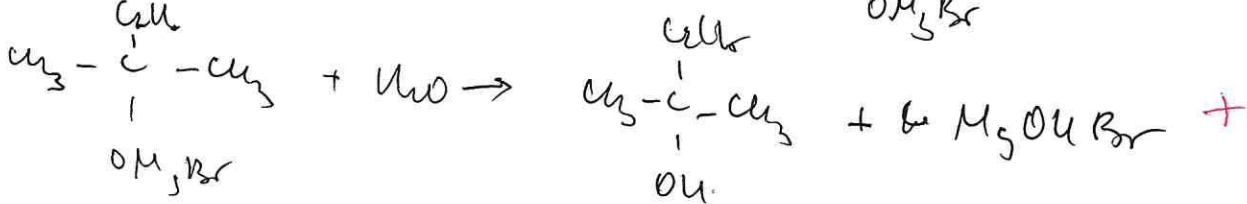
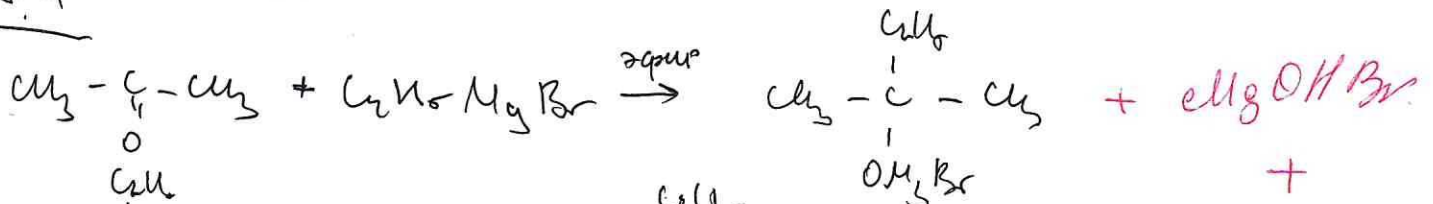
$$v(\text{Бутана})_{\text{факт}} = 0,045 \text{ моль}$$

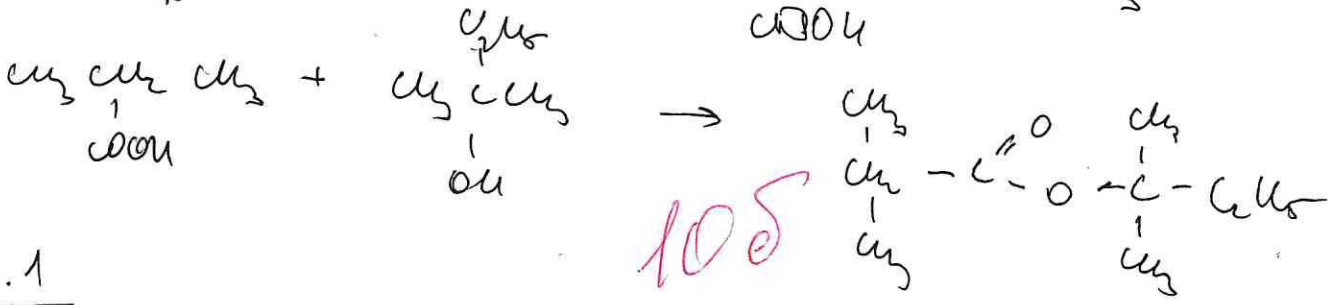
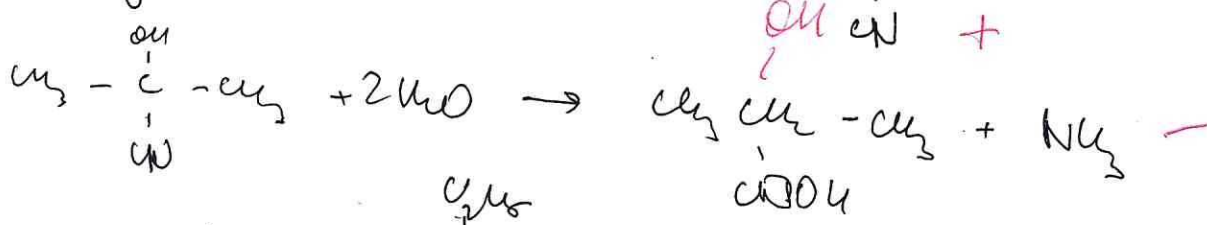
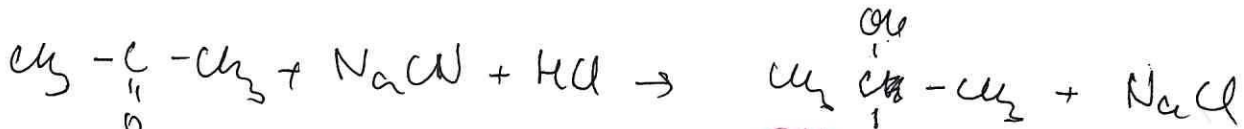
$$\eta = \frac{0,045}{0,1} = 45\%$$

$m(I_2) = ?$

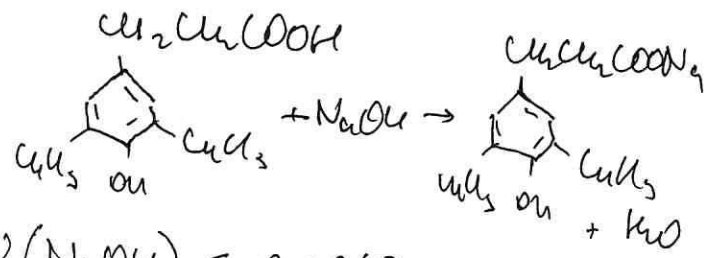
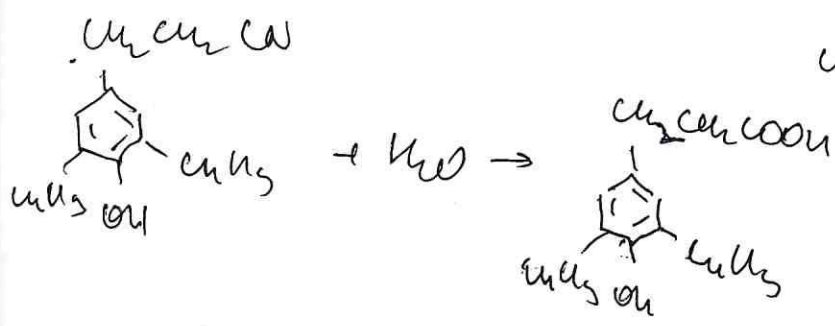
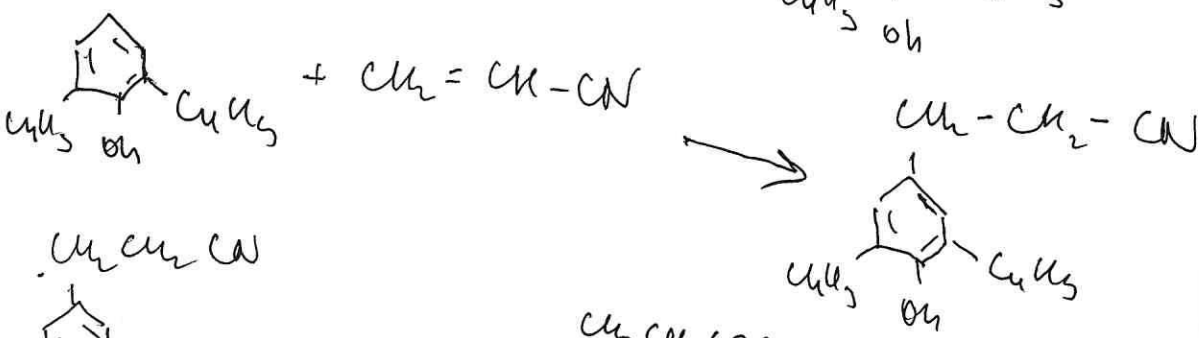
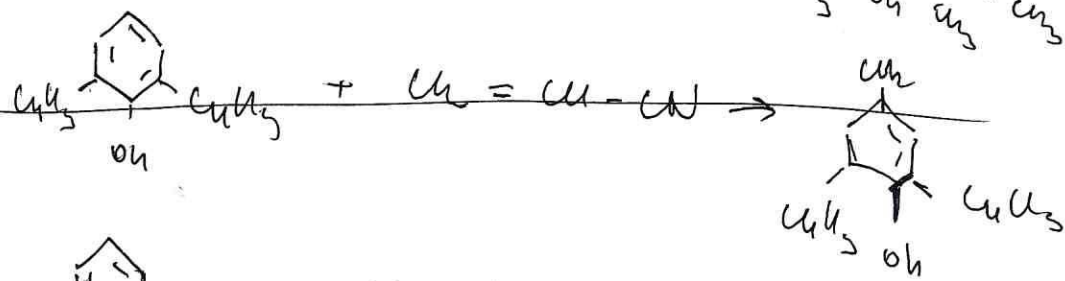
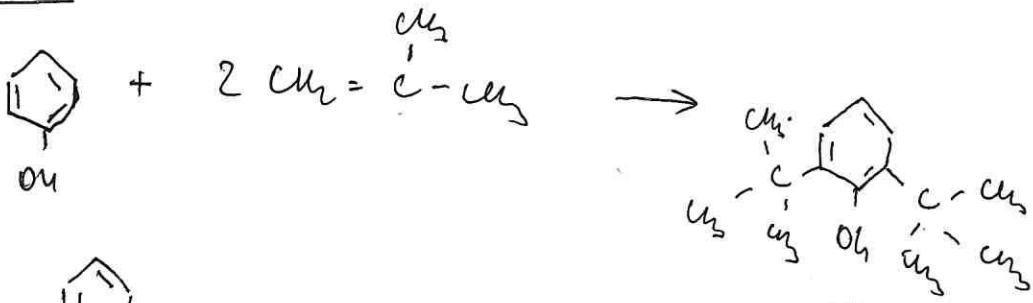
45

7.1





10.1



120

$$V(\text{NaOH}) = 0,0068 \cdot 0,1 = 0,00068 \text{ моль}$$

$$V(\text{кислоты}) = 0,00068 \cdot 278$$

$$m(\text{кислоты}) = \frac{0,18504}{100} \approx 150\% = 0,18504$$



8.1 Пусть газа NH_3 в смеси - x , масса

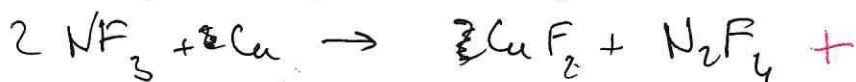
$$17x + 38(1-x) = 26$$

$$x = 0,57$$

$$1-x = 0,43$$

$$M_{\text{смеси}} = 3,168 \cdot \frac{1}{24} \approx 71$$

$$M_{\text{газа 2}} = 71 \cdot 1,466 = 104$$



В смеси фтора и аммиака, фтора недостаток считаем по нему

Пусть фтора - $3x$ моль, масса

$$v(\text{NH}_4\text{F}) = 0,3x \text{ моль } m(\text{NH}_4\text{F}) = 108x$$

$$v(\text{CuF}_2) = 0,5x \text{ моль } m(\text{CuF}_2) = 51x$$

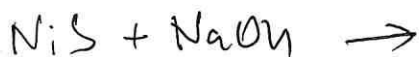
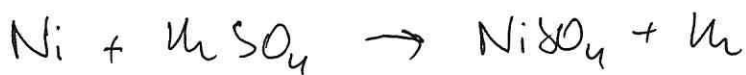
$$w(\text{NH}_4\text{F}) = \frac{108}{108+51} = 0,6792 = 67,92\%$$

$$w(\text{CuF}_2) = 32,08\%$$

120

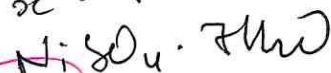
6.1 $M(\text{NiSO}_4) = 55 : 42,25 = 47,25 \cdot 100 = 114$

$$x = 114 - 23 - 32 = 59$$



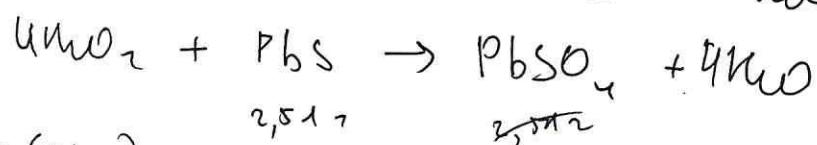
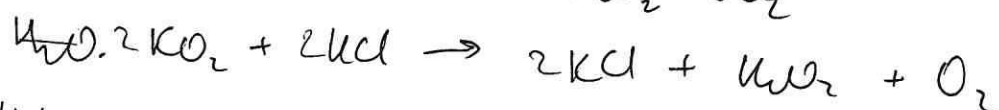
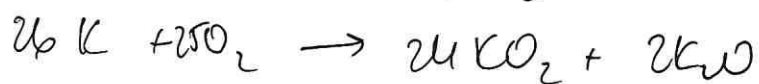
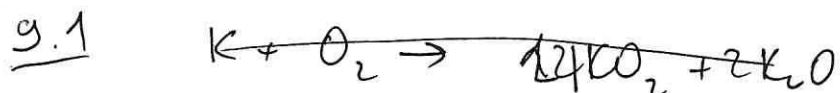
$$\frac{16 \cdot 4 + 16x}{2x} = 12,57$$

$$x = 7$$



60





$\nu(PbS) = 0,105 \text{ моль}$

$\nu(H_2O) = 0,042 \text{ моль}$

$\nu(K_2O) = 0,084 \text{ моль}$

$\nu(K) = 0,081 \text{ моль}$

$\nu(O_2) = 0,042 \text{ моль}$

$m(K) = 3,545 \text{ г}$

$\nu(O_2) = 0,5408 \text{ г}$

