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Nomenclature questions

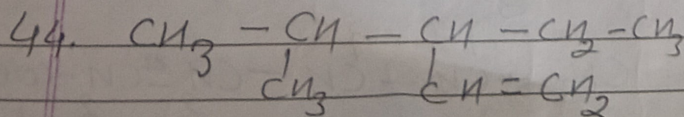
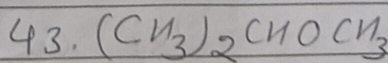
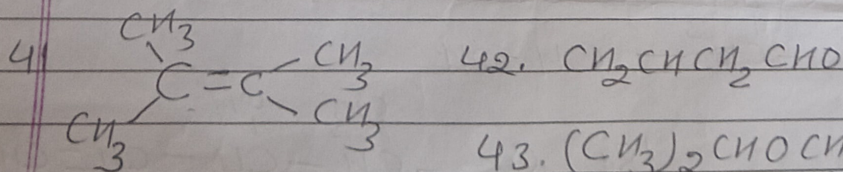
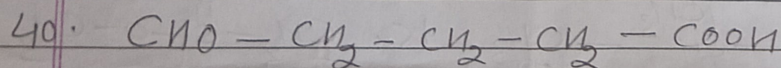
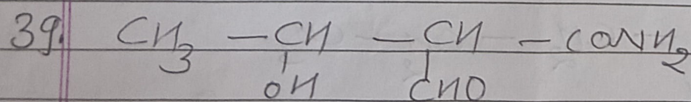
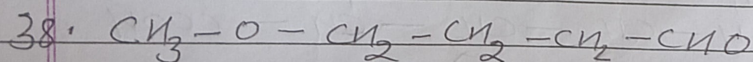
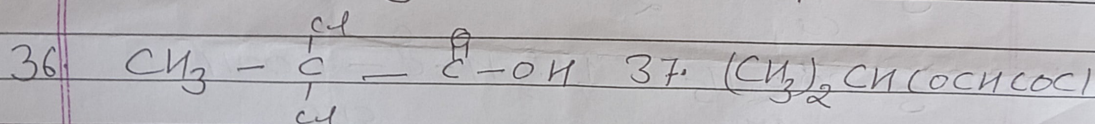
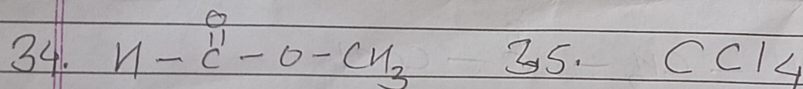
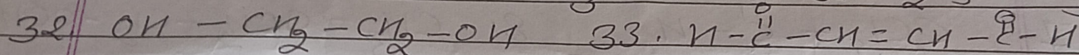
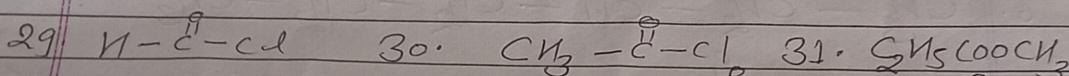
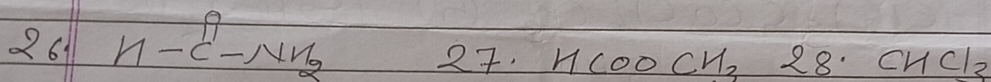
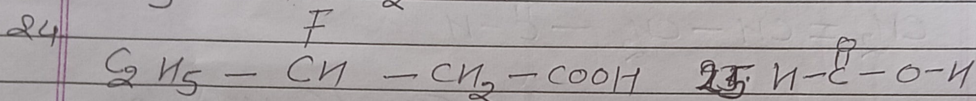
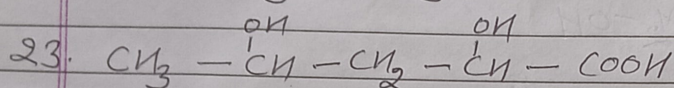
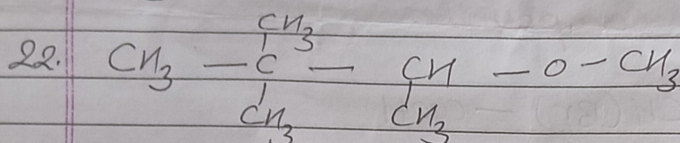
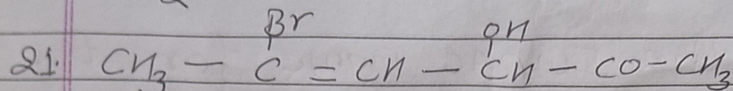
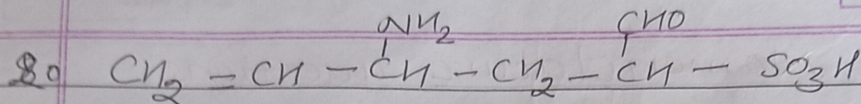
[I] Give the IUPAC name for the organic compounds.

1. $\text{CH}_3 - \text{CH}_2 - \text{CH}(\text{Br}) - \text{COOH}$
2. $\text{CH}_3 - \text{CH} = \text{CH}_2 - \text{OH}$
3. $\text{CH}_2 = \text{CH} - \text{CH}_2 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{H}$
4. $(\text{CH}_3)_3\text{C} - \text{CO} - \text{CH}_2\text{CH}_3$ ⑤ $(\text{CH}_5)_2\text{O}$
6. $\text{CH}_3 - \text{CH}_2 - \overset{\text{CHO}}{\text{CH}} - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$
7. $\text{CCl}_3 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{H}$ 8. $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{OCH}_3$
9. $\text{CH}_3 - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_2 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{COCl}$
10. $\text{CH}_3\text{COOCH}_2\text{CH}_3$ 11. $\text{H} - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{COOH}$
12. $\text{CH}_3 - \overset{\text{OH}}{\text{CH}} - \text{CH}_2 - \overset{\text{CHO}}{\text{CH}} - \text{COOH}$
13. $\text{NH}_2 - \underset{\text{COOH}}{\text{CH}} - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$
14. $\text{CH}_3 - \text{O} - \underset{\text{OCH}_3}{\overset{\text{CH}_3}{\text{CH}}} - \text{CH}_3$ 15. $\text{CH}_3 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{O} - \text{CH}_3$
16. $\text{CH}_3 - \text{CH} = \text{CH} - \text{OH}$
17. $\begin{array}{c} \text{O} \\ \parallel \\ \text{H} - \text{C} - \text{OH} \\ | \\ \text{C} - \text{H} \\ | \\ \text{H} \end{array}$ 18. $\text{CH}_3 - \overset{\text{CH}_3}{\text{CH}} - \overset{\text{OH}}{\text{CH}} - \text{CH} = \text{CH} - \text{OH}$
19. $\text{CH}_3 - \text{CH} - \overset{\text{CH}_3}{\text{CH}} - \underset{2}{\text{CH}} - \underset{2}{\text{CH}} - \text{COCl}$

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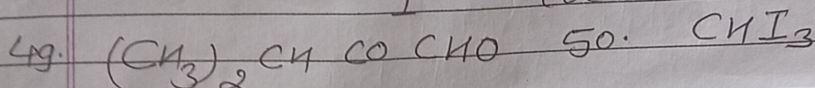
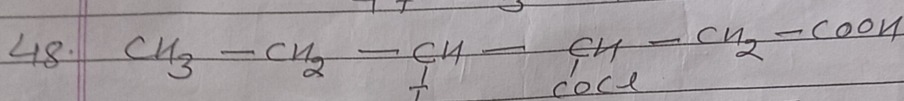
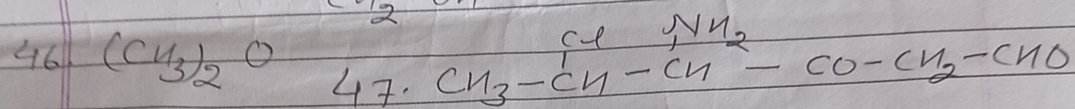
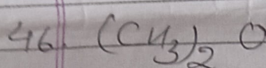
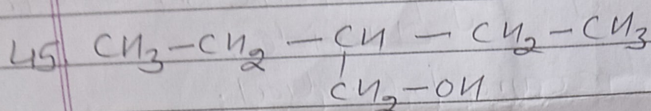
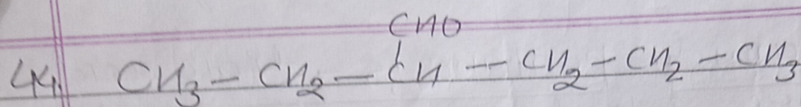
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III Give the structure for the following organic compounds.

1. 3-chloropentanoic acid

2. 3-methoxy pentan-2-ol

4. 2-formyl but-2-enoic acid

5. 2-methoxy pentanamide

6. 1,1,1-trichloromethane

7. methyl methanoate 8. ethyl ethanoate

9. 3-ketopentanoic acid 10. Butane-1,2,3-triol

11. 1,2-dimethoxy ethane

11. But-2-ene 1,4-dial 12. 1,1,1-triiodomethane

13. 3,3-dimethyl 2-formyl butanoic acid

14. 3-amino 4-chloropentanoic acid.

15. methoxy methane

16. 2,2,2-trichloroethanal

17. 4-methyl pent-3-en-2-one

18. 2,3-dioxo butanoic acid

19. 2-keto, 3-hydroxy hexane 1,6-diamide

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20. 3-oxamide pentane 1,5-dioic acid
21. 2-formyl, 3-hydroxy pentane 1,5-dioyl chloride.
22. 2,3-dioxo hexane 1,6-dial.