

Question	1	2	3	4	5
Ability to scientifically interpret your results and observations.					
2023					
Before	0	0	12	20	5
After	0	0	2	19	15
2024					
Before	0	2	12	30	9
After	1	1	4	28	20
Analysis of IR					
2023					
Before	1	3	25	5	3
After	0	1	2	16	16
2024					
Before	0	4	17	21	11
After	0	1	6	27	19
Analysis of UV/vis spectra					
2023					
Before	2	6	22	7	0
After	1	2	6	17	9
2024					
Before	0	7	15	25	6
After	0	2	6	29	16
Be able to work well as part of a team					
2023					
Before	2	2	2	17	14
After	0	0	2	15	19
2024					
Before	1	0	8	19	25
After	1	0	2	16	35
Consider the provided COSHH assessment and perform experiments safely within the guidelines provided					
2023					
Before	0	1	0	18	18
After	0	0	1	10	25
2024					
Before	0	0	1	30	22
After	1	0	3	14	35
Evaluation of experimental data quality					
2023					
Before	1	3	13	15	5
After	0	1	6	13	14
2024					
Before	1	1	17	23	11
After	0	0	6	30	17

Follow experimental instructions accurately

2023					
Before	0	0	4	22	11
After	0	1	4	8	23
2024					
Before	0	2	5	23	22
After	1	0	3	22	28

Plan & devise experiments

2023					
Before	4	7	9	13	4
After	0	2	6	15	12
2024					
Before	4	9	19	15	6
After	1	4	8	26	14

Plan & organise time to perform experiments efficiently in the available time.

2023					
Before	0	3	8	19	7
After	0	1	5	11	19
2024					
Before	0	3	8	29	13
After	1	1	5	29	18

Problem solving skills

2023					
Before	1	0	9	16	11
After	0	0	2	18	16
2024					
Before	1	1	5	34	12
After	1	0	4	35	14

Proper disposal of chemicals (including organic solvents)

2023					
Before	0	4	11	17	5
After	0	0	1	16	19
2024					
Before	0	2	7	29	15
After	1	2	1	13	36

Record a good quality IR spectrum

2023					
Before	0	4	15	15	3
After	0	0	3	17	16
2024					
Before	0	4	19	21	9
After	0	1	6	31	15

Record a good quality UV-vis spectrum

2023					
Before	0	7	10	15	5
After	0	1	10	14	10
2024					
Before	0	4	18	23	8
After	0	2	8	28	13
Recrystallisation					
2023					
Before	0	1	9	20	7
After	0	1	7	17	10
2024					
Before	0	1	7	28	17
After	0	3	4	30	15
Solvent extraction (use of a separatory funnel)					
2023					
Before	0	1	4	17	15
After	0	0	1	14	21
2024					
Before	0	1	11	20	21
After	0	1	4	25	24
Use of Good Chemistry Laboratory Practice (GCLP)					
2023					
Before	0	0	7	18	12
After	0	0	1	11	24
2024					
Before	0	0	4	21	27
After	1	0	0	18	33
Use of reflux apparatus					
2023					
Before	0	1	7	19	10
After	0	0	6	18	12
2024					
Before	0	0	11	22	20
After	0	1	10	29	12
Use significant figures properly					
2023					
Before	0	0	7	13	17
After	0	0	1	11	23
2024					
Before	0	0	7	19	27
After	1	1	4	16	30
Use Thin Layer Chromatography (TLC) to identify mixture composition.					
2023					

Before	1	4	7	15	10
After	0	1	2	9	24
2024					
Before	0	2	19	21	11
After	0	0	6	23	25
Use units properly					
2023					
Before	0	1	4	13	19
After	0	0	3	12	21
2024					
Before	0	0	7	20	26
After	1	1	5	19	25
Vacuum filtration					
2023					
Before	0	0	2	8	27
After	0	0	5	10	20
2024					
Before	0	0	3	11	39
After	0	1	6	18	27
Volumetric methods (prepare standard solutions accurately & precisely)					
2023					
Before	0	2	8	21	6
After	0	0	7	12	16
2024					
Before	0	2	12	26	13
After	0	0	9	28	15