Lampiran 1. Perhitungan

1.1 Pembuatan Larutan HCl 6N

Diketahui: ρ_{HCl} = 1,19 g/mL

% b/b = 37 %

BM_{HCl} = 36,46 g/mol

η_{HCl} = 1

Normalitas HCl 37 % (N)

$$N = \%(b/b) \times \frac{\rho}{BM} \times \eta_{eq}$$

$$N = \frac{37}{100} \times \frac{1{,}19\ g/mL}{36{,}46\ g/mL} \times 1$$

N = 12,08 N

$$V_x = \frac{N_x V}{N_x}$$

V_x = Volume HCl 37 % yang diperlukan

N_x = Normalitas HCl 37 %

N = Normalitas larutan HCl yang diinginkan

V = Volume HCl yang diinginkan

$$V_x = \frac{6\ N \times 1000\ mL}{12{,}08\ N}$$

V_x = 496,69 mL

1.2 Pembuatan Larutan NH_4Cl 0,1 M

Diketahui: BM NH_4Cl = 53,5

$$\eta_{eq} = 1$$

$$N = \frac{m/BM}{V} \times \eta_{eq}$$

$m = BM \times V \times N \times \eta_{eq}$

m = Berat NH_{4Cl} yang diperlukan

N = Volume NH_4Cl yang diinginkan

V = Volume NH_4Cl yang dinginkan

m = 53,5 g/mol x 1 L x 0,1 N x 1

m = 5,35 g

1.3 Keasaman Zeolit sebelum aktivasi

$$\text{Keasaman} = \frac{\text{Berat zeolit setelah adsorbsi}}{\text{berat zeolit sebelum adsorbsi}} \Big/ BM\ NH_3$$

$$= \frac{\frac{w_2 - w_1}{w_1 - w_0}}{BM\ NH_3}$$

Diketahui: Berat krus kosong (w_0) = 20,1593

Berat krus + zeolit setelah pemanasan (w_1) = 20,6306

Berat krus + zeolit setelah adsorbsi (w_2) = 20,6575

BM NH_3 = 17

$$\text{Keasaman} = \frac{20,6575 - 20,6306}{20,6306 - 20,1593} \Big/ 17$$

= 0,003357 mol/gram

1.4 Keasaman zeolit alam setelah aktivasi

Diketahui: Berat krus kosong (w_0) = 20,1596

Berat krus + zeolit setelah pemanasan (w_1) = 20,6181

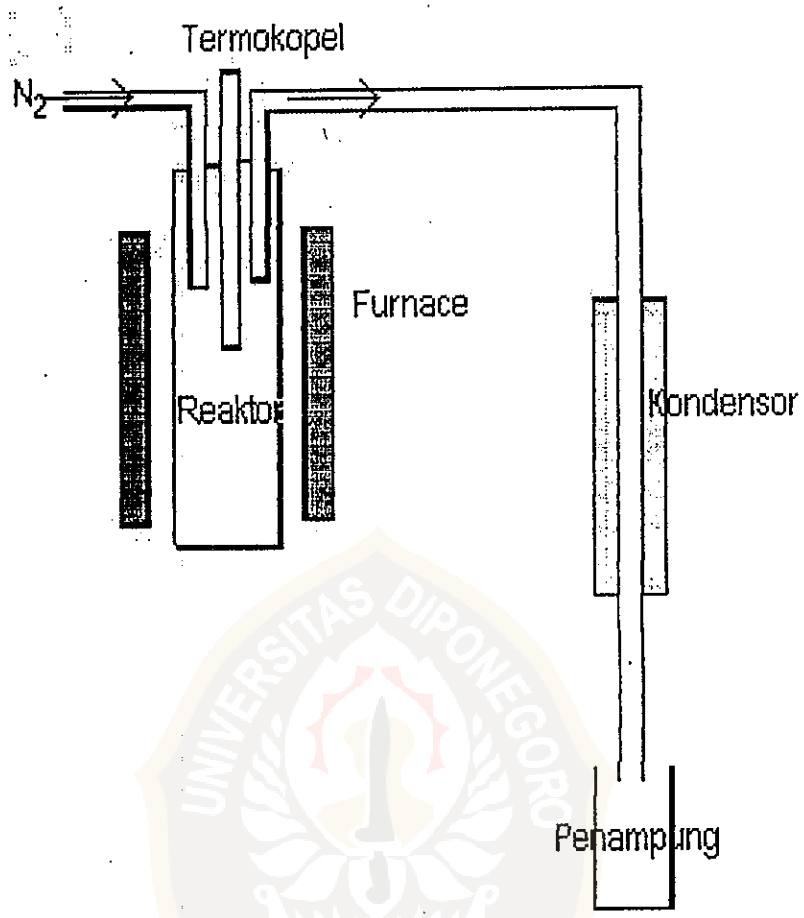
Berat krus + zeolit setelah adsorbsi (w_2) = 20,6605

BM NH_3 = 17

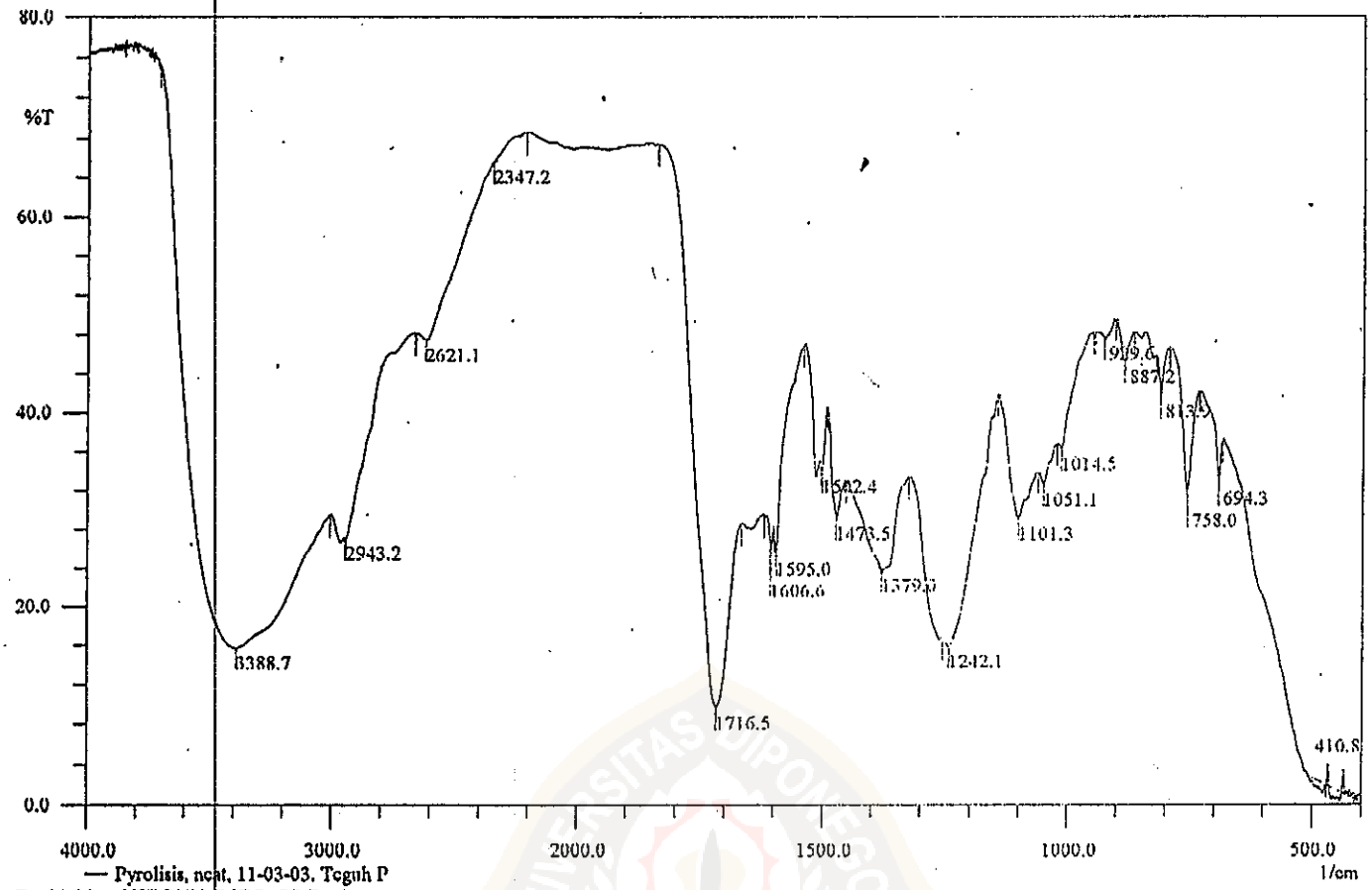
$$\text{Keasaman} = \frac{\frac{20,6605 - 20,6181}{20,6181 - 20,1596}}{17}$$

= 0,0054 mol/gram

Lampiran 2. Gambar Set Reaktor



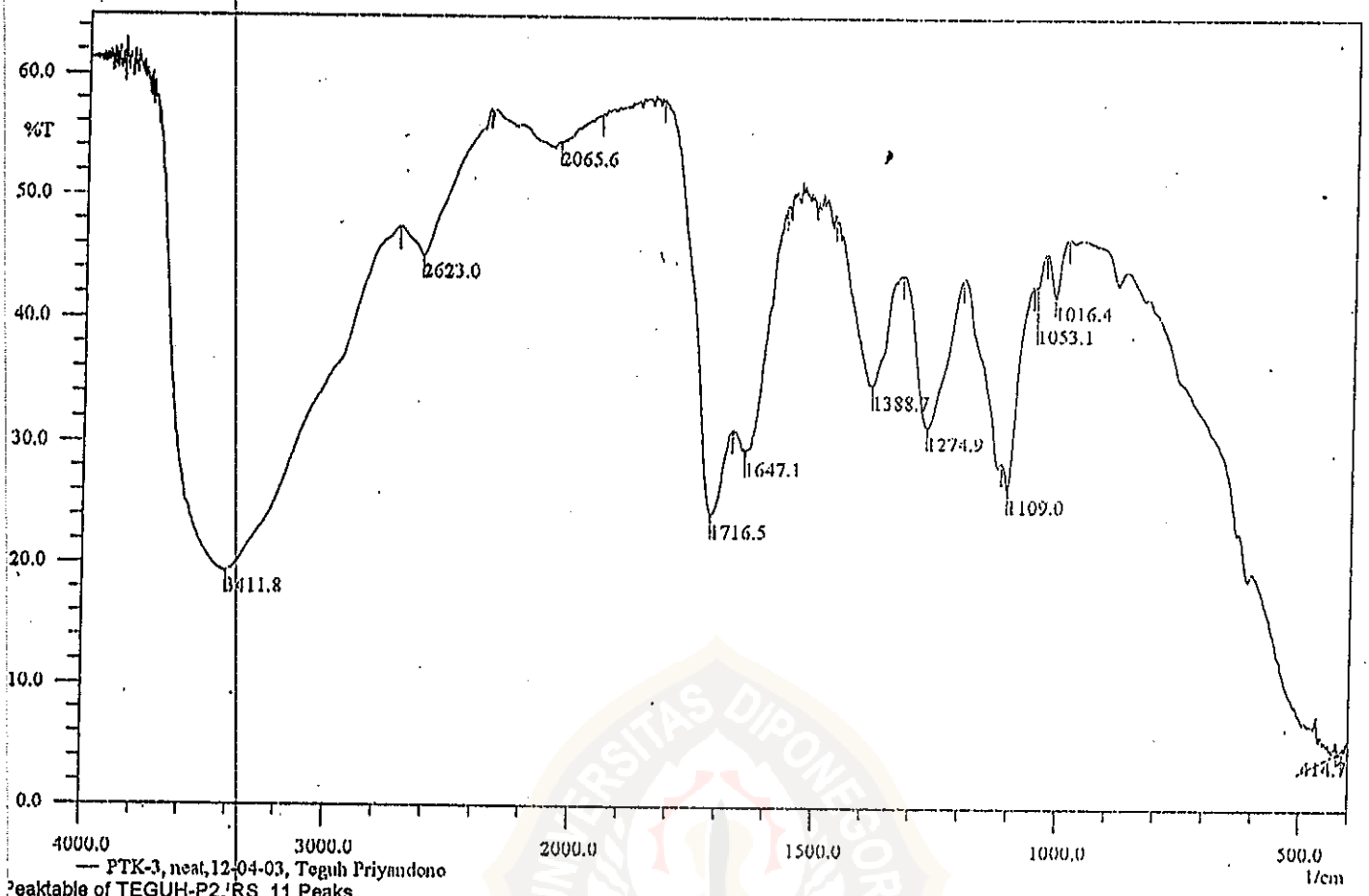
Lampiran 3. Spektra FTIR produk cair pirolisis tempurung kelapa



Peaktable of TEGUH-P.IRS, 20 Peaks
Threshhold: 80, Noise: 2, No Range Selection

Nr.	Pos. (1/cm)	Inten. (%T)
1	410.8	0.528
2	694.3	32.841
3	758.0	32.072
4	813.9	41.681
5	887.2	45.291
6	929.6	47.657
7	1014.5	36.357
8	1051.1	32.703
9	1101.3	29.199
10	1242.1	15.983
11	1379.0	23.903
12	1473.5	29.248
13	1502.4	34.035
14	1595.0	25.553
15	1606.6	26.155
16	1716.5	9.699
17	2347.2	65.609
18	2621.1	47.478
19	2943.2	27.145
20	3388.7	15.737

Lampiran 4. Spektra FTIR produk perengkahan katalitik dari produk cair tempurung kelapa

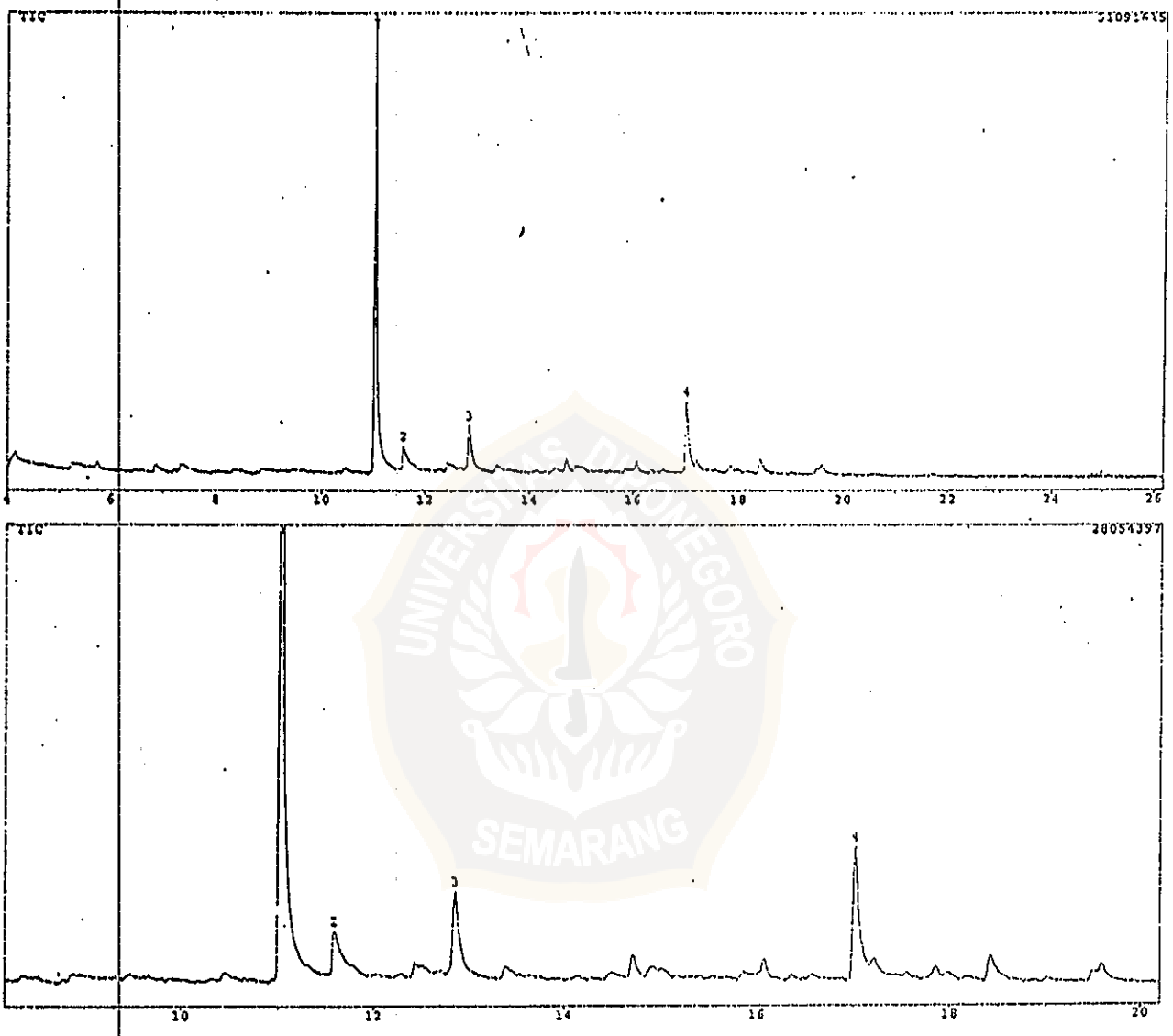


— PTK-3, neat,12-04-03, Teguh Priyandono
Peaktable of TEGUH-P2.!RS, 11 Peaks
Threshhold: 80, Noise: 2, No Range Selection

Nr.	Pos. (1/cm)	Inten. (%T)
	414.7	4.928
	1016.4	42.097
	1053.1	42.828
	1109.0	26.318
	1274.9	31.568
	1388.7	34.804
	1647.1	29.318
	1716.5	24.143
	2065.6	54.407
0	2623.0	45.123
1	3411.8	19.345

Lampiran 5. Kromatogram produk cair pirolisis tempurung kelapa


```
*** CLASS-5000 ***  Report No. =   1 Data : TEMPRNG.D02  99/11/01 09:37:44
Sample            : Tempurung,Akhmad
ID                :
Sample Amount     : 1
Dilution Factor   : 1
Type              : Unknown
Operator          : Supaya
Method File Name  : AKHMAD.MET
Vial No.          : 1
Barcode           :
```



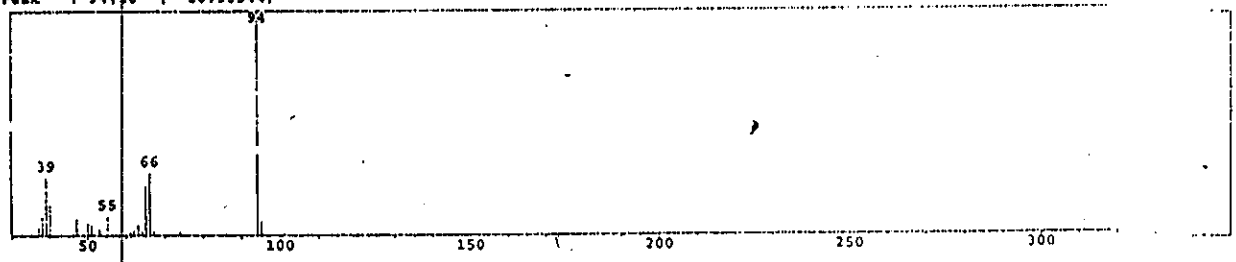
*** CLASS-5000 *** Report No. = 1 Data : TEMPRNG.D02 99/11/01 09:37:44
Sample : Tempurung,Akhmad
ID :
Sample Amount : 1
Dilution Factor : 1
Type : Unknown
Operator : Supaya
Method File Name : AKHMAD.MET
Vial No. : 1
Barcode :

**** Peak Report ****

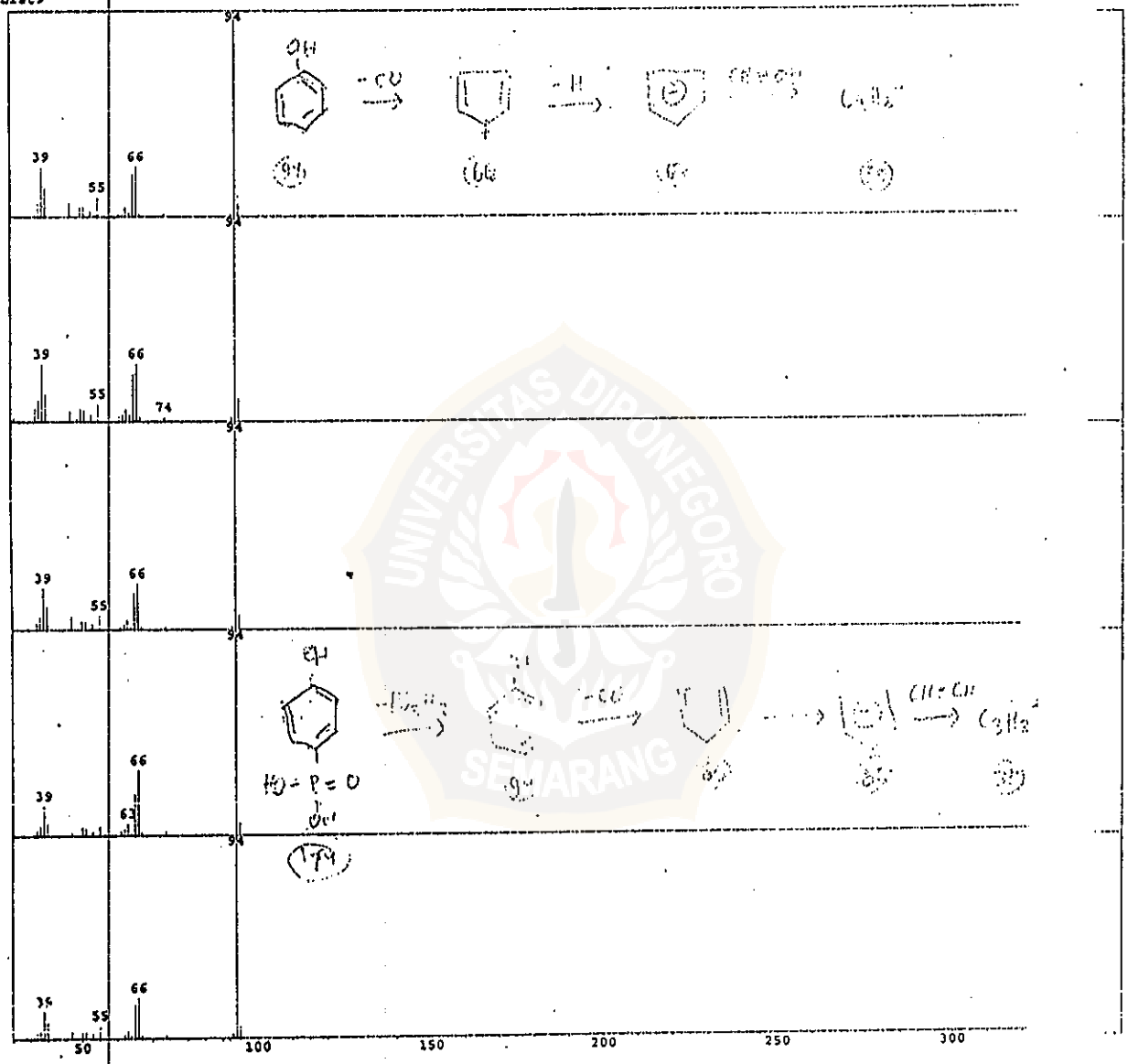
PKNO	R.Time	I.Time - F.Time	Area	Height	A/H(sec)	MK	%Total	Name
1	11.018	10.967 - 11.375	164510237	48961457	3.362		71.61	
2	11.544	11.542 - 11.733	11958337	2305109	5.188		5.20	
3	12.851	12.775 - 13.008	21885179	4592805	4.765		9.52	
4	17.010	16.950 - 17.167	31410883	7372247	4.261		13.66	
Total			229872635				100.00	

Lampiran 6. Spektra massa produk cair pirolisis tempurung kelapa

<Unknown Spectrum>
Data : TEMPRNG.D02
Mass Peak # : 19 Ret. Time : 11.042
Scan # : 846 B.G. Scan # : 817
Base Peak : 94.10 (10793344)



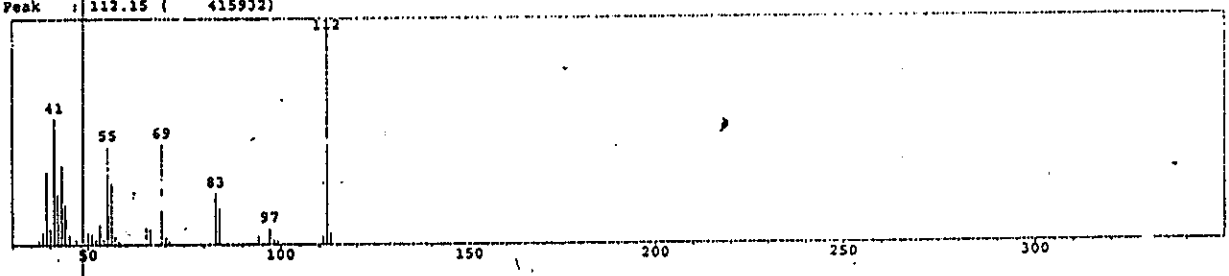
<Hit List>



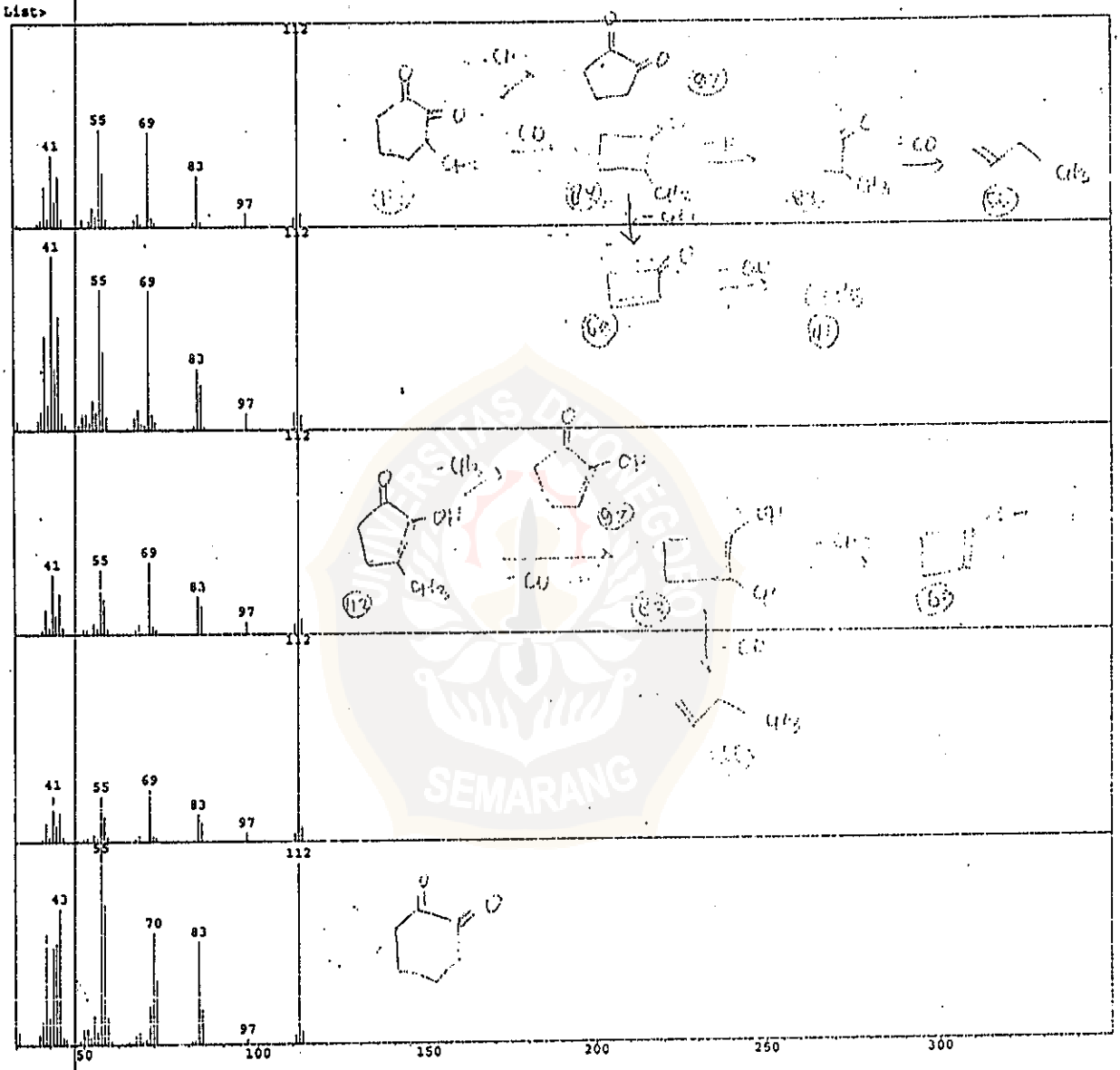
No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIBN
1	97	94	C6H6O	108-95-2	1010	1
			Phenol $$ Baker's P and S Liquid and Ointment $$ Benzenol $$ Carbolic acid $$ Hydroxy			
2	95	94	C6H6O	108-95-2	836	2
			Phenol			
3	95	94	C6H6O	108-95-2	837	2
			Phenol			
4	93	174	C6H7O4P	33795-18-5	16041	1
			Phosphonic acid, (p-hydroxyphenyl)- $$ 4-Hydroxybenzenephosphonic acid $$ (p-Hydroxyp			
5	92	94	C6H6O	108-95-2	834	2
			Phenol			

Library Name
(1) NIST62.LIB (2) NIST12.LIB

<Unknown Spectrum>
Data : TEMPRNO.D02
Mass Peak # : 37 Ret. Time : 11.592
Scan # : 912 B.G. Scan # : 938
Base Peak : 112.15 (415932)



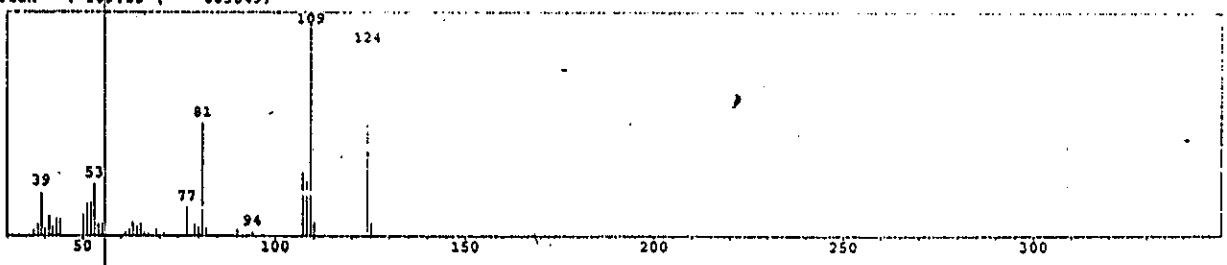
<Hit List>



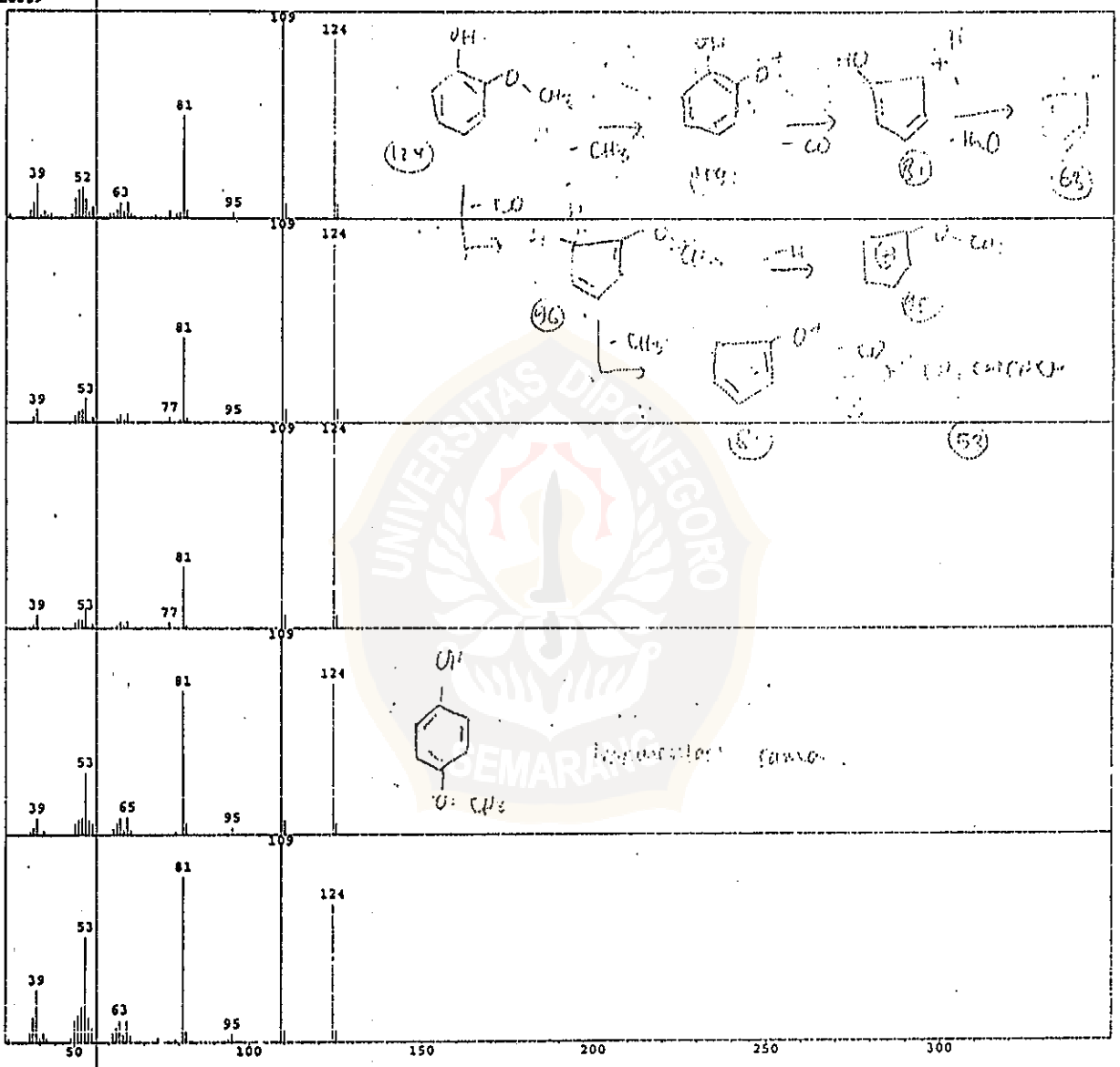
No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIBN
1	91	112	C6H8O2	765-70-8	2500	1
			1,2-Cyclopentanedione, 3-methyl- $$ 3-Methyl-1,2-cyclopentanedione $$ 3-Methylcyclope			
2	89	112	C6H8O2	765-70-8	1702	2
			1,2-Cyclopentanedione, 3-methyl-			
3	89	112	C6H8O2	80-71-7	2507	1
			2-Cyclopenten-1-one, 2-hydroxy-3-methyl- $$ Corylon $$ Corylone $$ Cycloten $$ Cyclot			
4	85	112	C6H8O2	80-71-7	1703	2
			2-Cyclopenten-1-one, 2-hydroxy-3-methyl-			
5	82	112	C6H8O2	765-87-7	2515	1
			1,2-Cyclohexanedione $$ 1,2-Dioxocyclohexane $$ Cyclohexane-1,2-dione $$ 1,2-Cyclohex			

Library Name
(1) NIST62.LIB (2) NIST12.LIB

<Unknown Spectrum>
Data : TEMPRNG.D02
Mass Peak # : 36 Ret. Time : 12.858
Scan # : 1064 B.G. Scan # : 1083
Base Peak : 109.15 (881849)



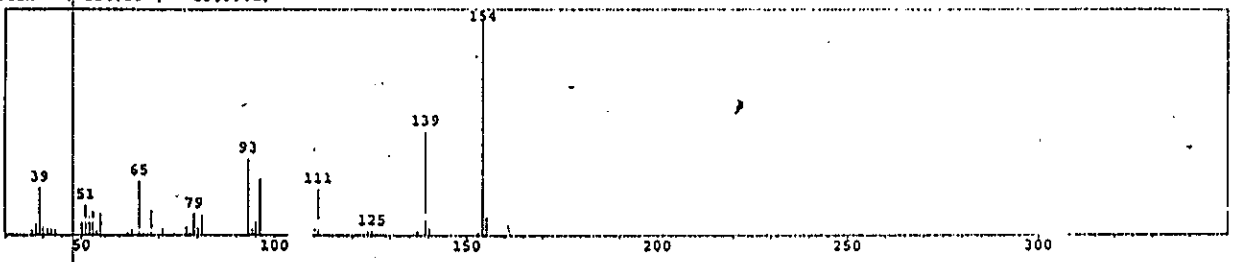
<Hit List>



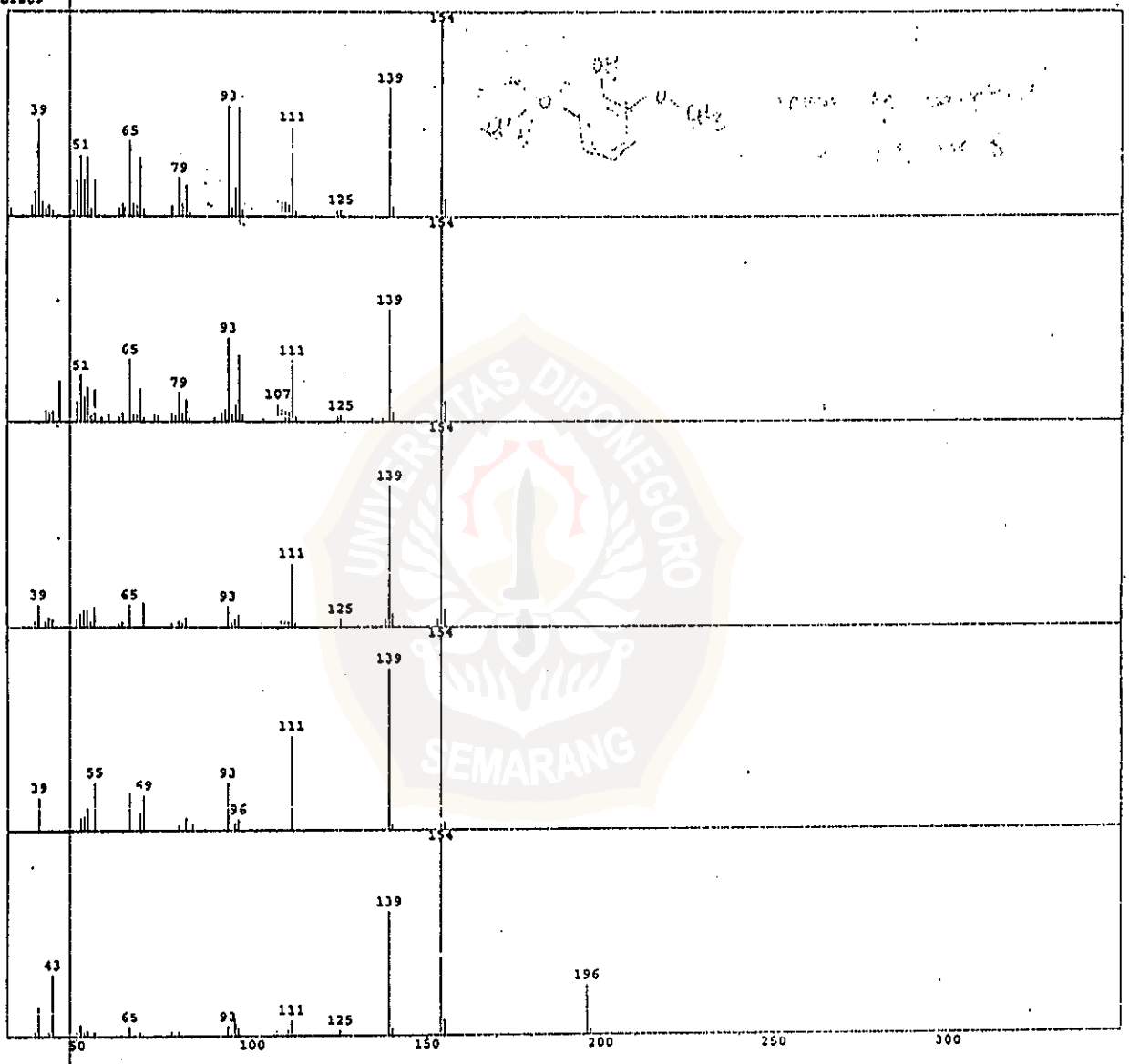
No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIBN
1	87	124	C7H8O2 Phenol, 2-methoxy-	90-05-1	2536	2
2	87	124	C7H8O2 Phenol, 2-methoxy-	90-05-1	2537	2
3	85	124	C7H8O2 Phenol, 2-methoxy-	90-05-1	2538	2
4	84	124	C7H8O2 Maquinol $$ Phenol, 4-methoxy- $$ Phenol, p-methoxy- $$ p-Guaiacol $$ p-Hydroxyanisol	150-76-5	4138	1
5	84	124	C7H8O2 Mequinol	150-76-5	2541	2

Library Name
(1) NIST62.LIB (2) NIST12.LIB

<Unknown Spectrum>
Data : TEMPRNG.D02
Mass Peak # : 42 Ret. Time : 17.017
Scan # : 1563 B.G. Scan # : 1594
Base Peak : 154.20 (1502902)



<Hit List>

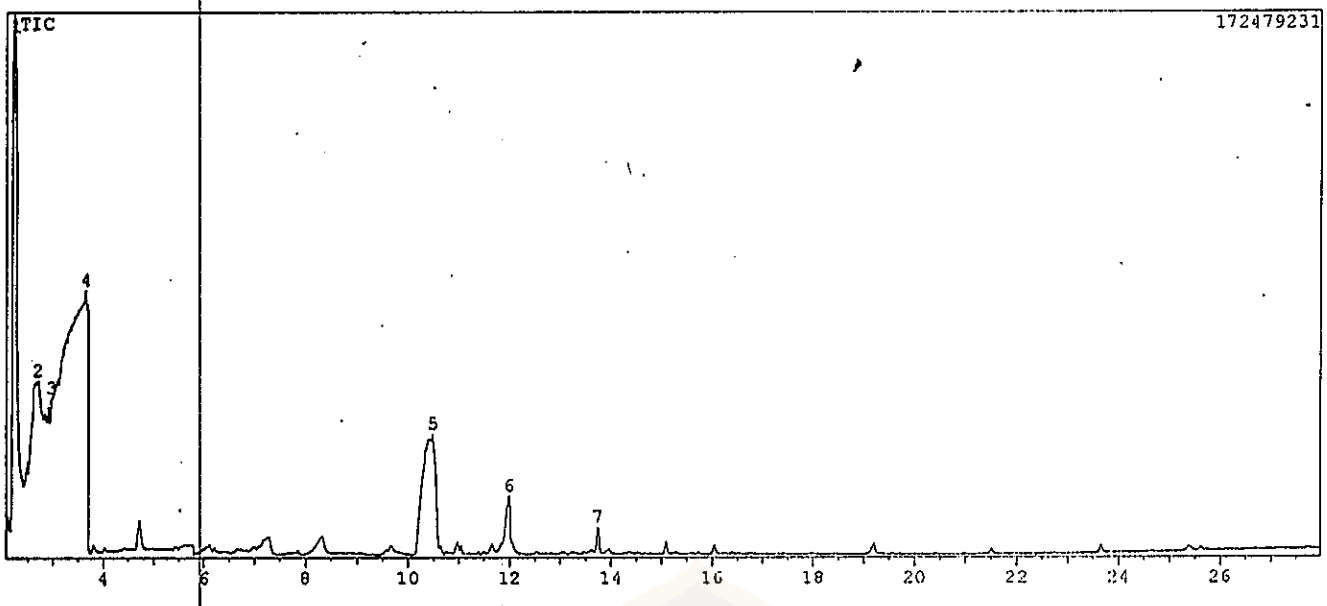


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	86	154	C8H10O3 Phenol, 2,6-dimethoxy- $$ Pyrogallol 1,3-dimethyl ether $$ Syringol $$ 1,3-Dimethoxy-	91-10-1	10719	1
2	85	154	C8H10O3 Phenol, 2,6-dimethoxy-	91-10-1	4820	2
3	84	154	C8H10O3 Phenol, 3,4-dimethoxy- $$ 3,4-Dimethoxyphenol	2033-89-8	10721	1
4	80	154	C8H10O3 Phenol, 3,4-dimethoxy-	2033-89-8	4821	2
5	78	196	C10H12O4 Phenol, 2,3-dimethoxy-, acetate	27257-08-5	21775	1

Library Name
(1) NIST62.LIB (2) NIST12.LIB

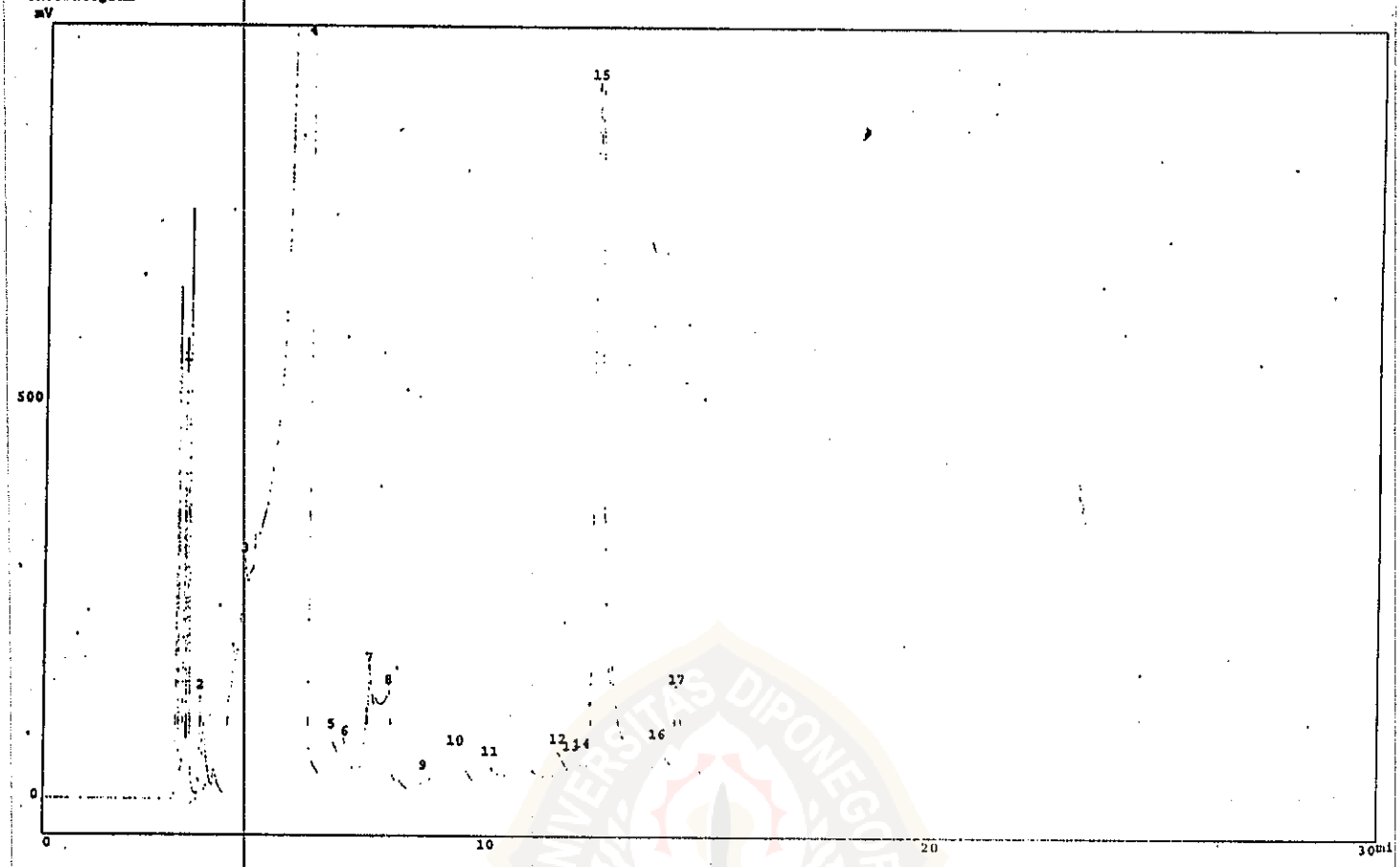
Lampiran 7. Kromatogram produk perengkahan katalitik tempurung kelapa variasi berat katalis

```
*** CLASS-5000 ***   Report No. =    1 Data : TEGUH2.D01   03/06/24 12:57:28
Sample               : PIROLISIS TEMPURUNG, TEGUH
Operator             : POY
Method File Name     : TEGUH.MET
```



LASS-CR10 SYS=1 Ch=1 REPORT.NO=11 DATA=TEGUH1.D01 00/00/00 06:15:20
ample : Teguh P., FTK 1
D :
ilution Factor: 1
ype : Unknown
perator : Maryati

** Chromatogram ***

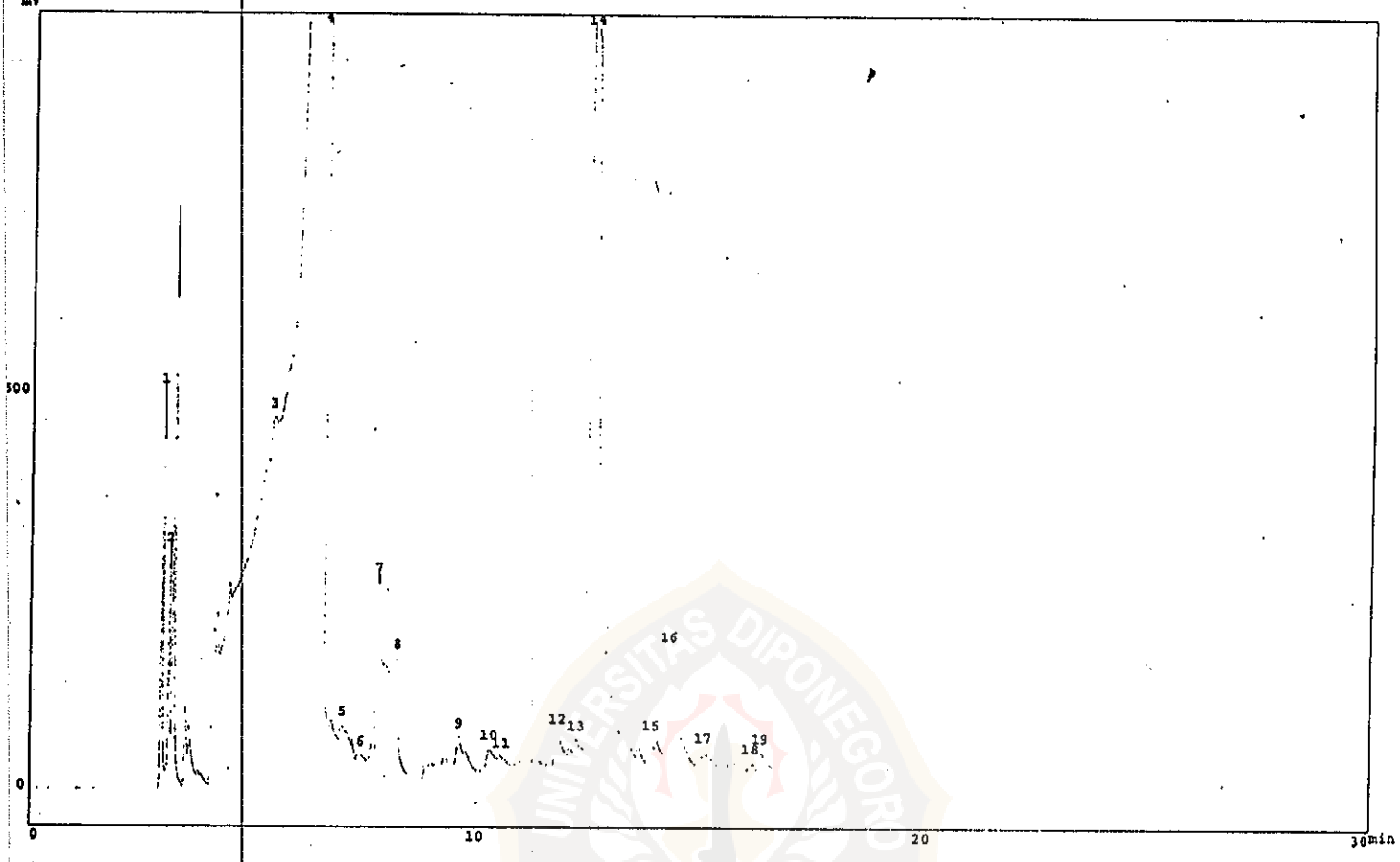


Peak Report ***

TIME	AREA	HEIGHT	CONC
3.186	2849170	434427	3.2579
3.567	1124857	115712	1.2862
4.540	5513850	287600	6.3048
5.925	51964041	1053603	59.4186
6.524	1366189	67128	1.5622
6.825	708401	62257	0.8100
7.362	2813758	147774	3.2174
7.779	1859026	123745	2.1257
8.575	539904	13187	0.6174
9.287	683047	39899	0.7810
10.067	176813	16115	0.2022
11.596	336271	30686	0.3845
11.894	160976	21633	0.1841
12.138	276430	24888	0.3161
12.364	15178648	867680	17.3561
13.824	283553	25388	0.3242
14.250	1619266	111281	1.8516
	87454139	3445001	100.0000

```
SS-CR10 SYS=1 Ch=1 REPORT NO=10 DATA=TEGUH2.D01 00/00/00 05:33:02
ple          : Teguh P., PTK 2
             :
ution Factor: 1
e            : Unknown
rator        : Maryati
```

Chromatogram ***

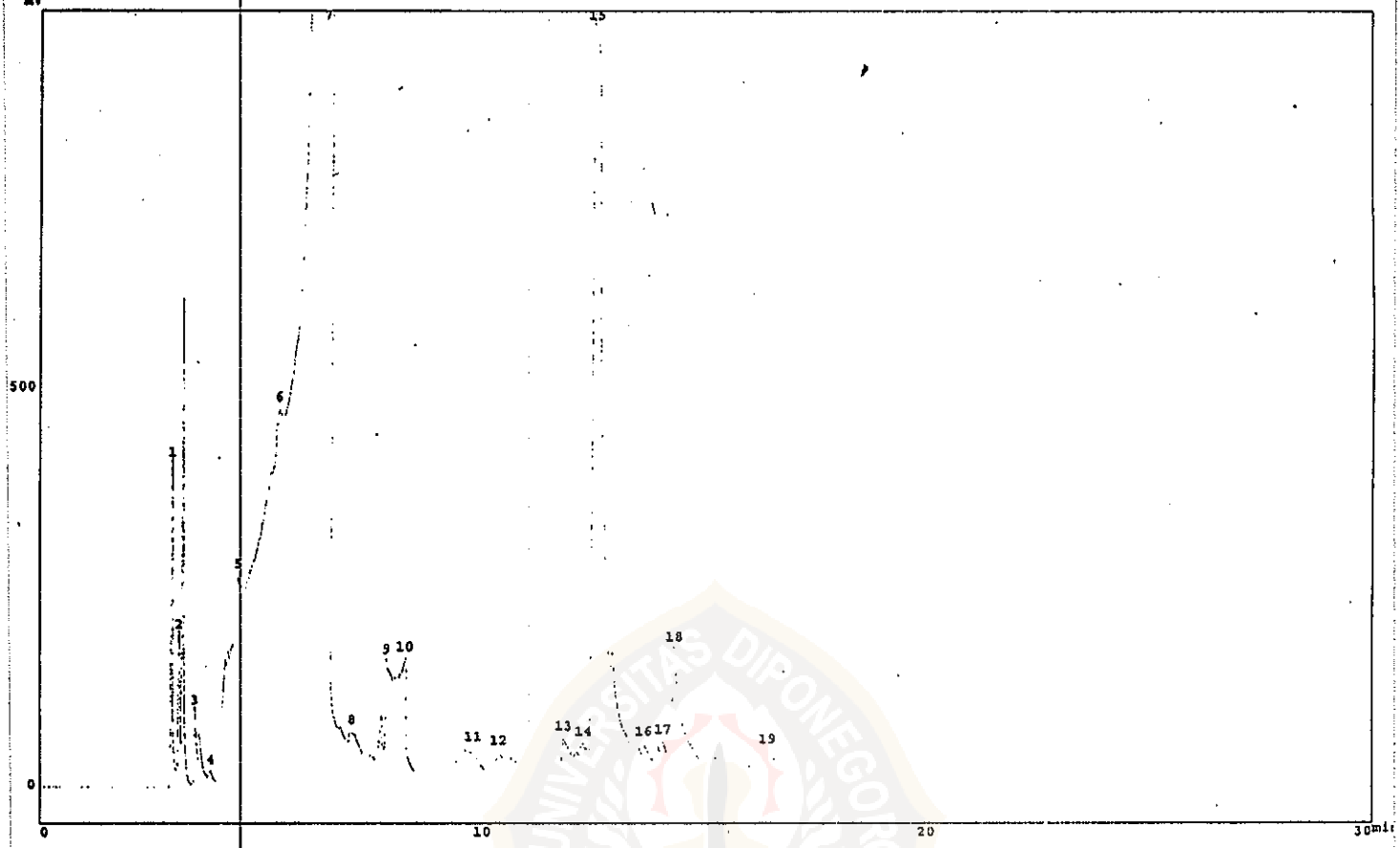


eak Report ***

TIME	AREA	HEIGHT	CONC
2.986	1308795	443372	1.1466
3.145	3728254	241213	3.2663
5.425	24908976	462629	21.8227
6.550	55425197	1056300	48.5580
7.025	314496	22323	0.2755
7.450	47720	5615	0.0418
7.820	3179551	228490	2.7856
8.232	2014638	153766	1.7650
9.619	418212	34513	0.3664
10.299	302239	25074	0.2648
10.575	170018	13738	0.1490
11.819	458066	39625	0.4013
12.250	323734	31991	0.2836
12.500	18587834	1032809	16.2848
13.914	306720	25284	0.2687
14.300	2008174	149475	1.7594
15.092	285960	19829	0.2505
16.150	86868	10227	0.0761
16.372	266864	21964	0.2338
	114142316	4018239	100.0000

ASS-CR10 SYS=1 Ch=1 REPORT NO=9 DATA=TEGUH3B.D01 00/00/00 04:42:12
mple : Teguh P., PTK3
:
ution Factor: 1
e : Unknown
rator : Maryati

Chromatogram ***

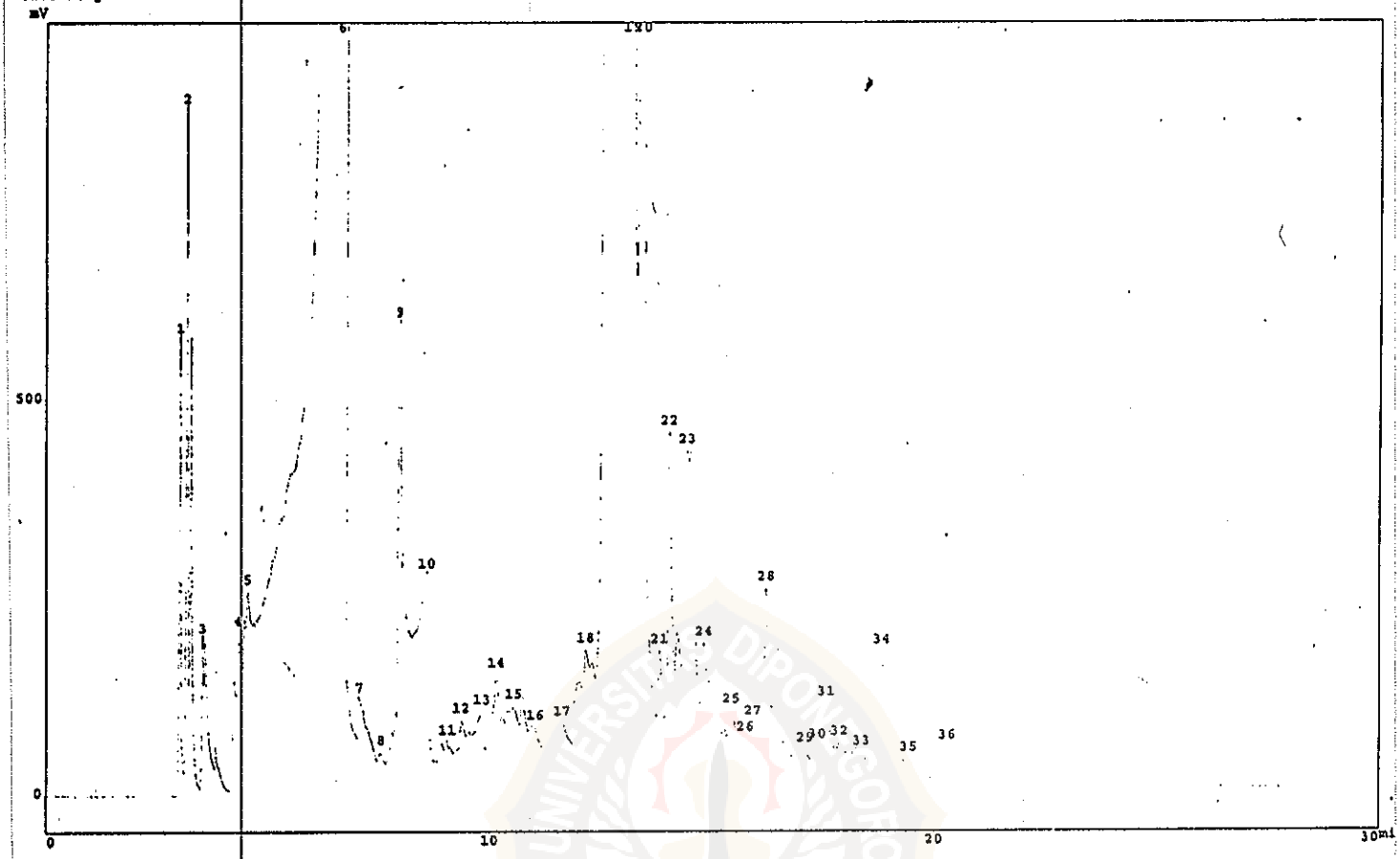


Peak Report ***

TIME	AREA	HEIGHT	CONC
3.014	1067181	380196	0.9758
3.189	2134304	176473	1.9699
3.562	750642	87133	0.6864
3.925	163414	17914	0.1494
4.525	5147352	255089	4.7067
5.425	19793903	467251	18.0995
6.494	53151265	1057816	48.6014
7.075	1142938	62552	1.0451
7.847	2615083	151757	2.3912
8.250	2592806	152050	2.3709
9.786	390731	22872	0.3573
10.366	117681	14384	0.1076
11.825	366502	30855	0.3351
12.275	299220	27101	0.2736
12.498	17039283	1035460	15.5807
13.625	79287	12175	0.0725
14.062	172005	16971	0.1573
14.300	2025537	149249	1.8521
16.419	292492	21548	0.2675
	109361627	4138844	100.0000

```
ASS-CR10 SYS=1 Ch=1 REPORT.NO=8  DATA=TEGUH4.D01 00/00/00 03:35:20
mple          : Teguh P., FTK4
              :
lution Factor: 1
pe            : Unknown
erator        : Maryati
```

* Chromatogrrm ***

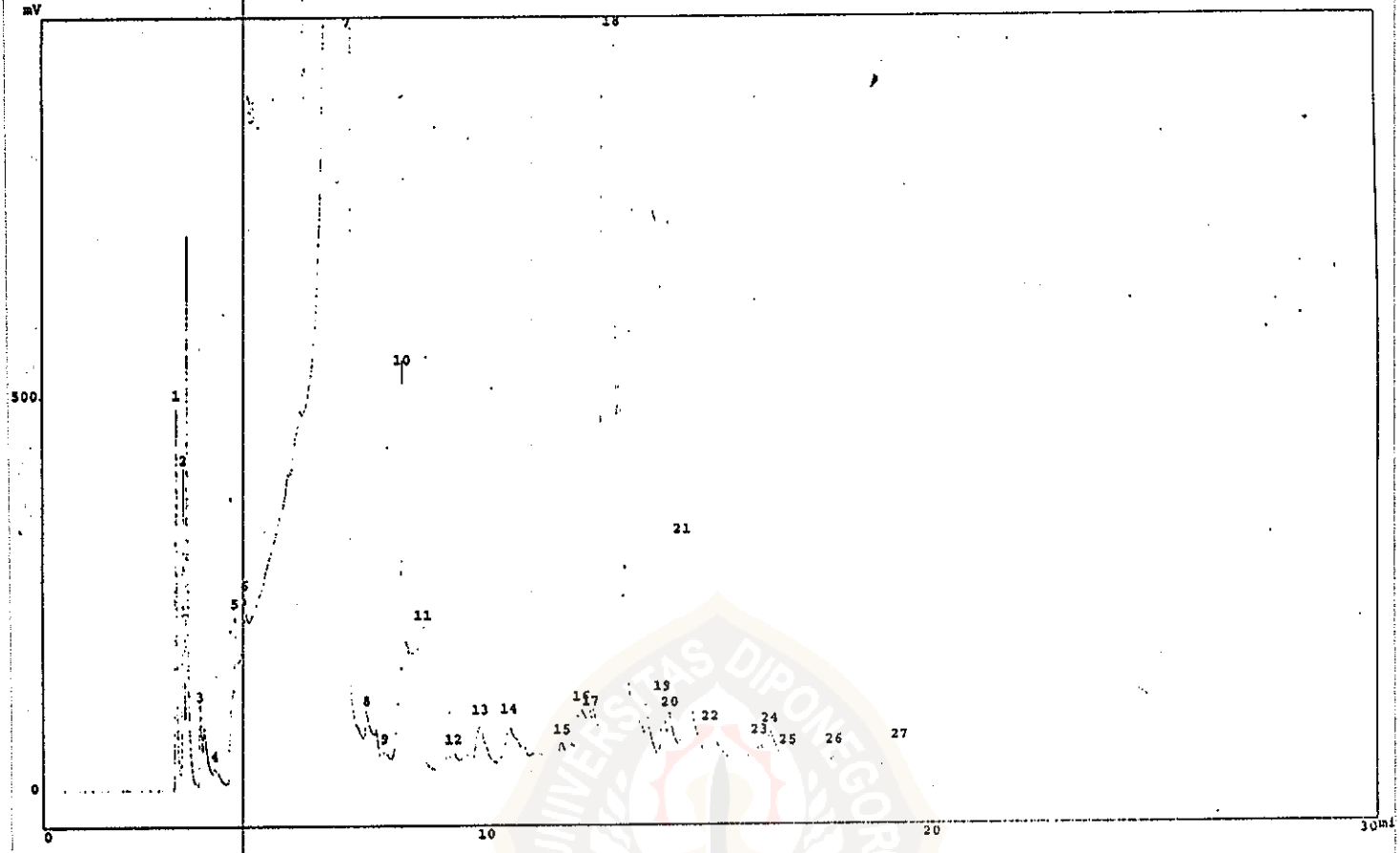


Peak Report ***

TIME	AREA	HEIGHT	CONC
3.039	1546073	536742	0.7360
3.192	4259484	770938	2.0276
3.571	2237062	177008	1.0649
4.371	2144117	191046	1.0207
4.588	2981841	252466	1.4194
6.662	76375041	1055556	36.3564
7.100	1999424	112595	0.9518
7.575	401517	44064	0.1911
7.965	6710272	588953	3.1943
8.576	5261889	270384	2.5048
9.050	1076312	55384	0.5124
9.361	1064047	79563	0.5065
9.826	1841937	89354	0.8768
10.147	1649270	136729	0.7851
10.535	3125461	95860	1.4878
11.025	1769616	68612	0.8424
11.626	1234512	71527	0.5877
12.149	4069652	161902	1.9373
13.150	49978801	1042274	23.7911
13.400	13840516	1041753	6.5884
13.812	1217809	158396	0.5797
14.023	3062455	419122	1.4578
14.429	8432633	409463	4.0141
14.813	2826595	163834	1.3455
15.438	1611652	79729	0.7672
15.750	398773	43904	0.1898
15.925	759290	65128	0.3614
16.212	3122255	229315	1.4863
17.100	386158	26758	0.1838
17.375	375113	32147	0.1786
17.575	888657	85590	0.4230
17.875	458089	33876	0.2181
18.375	523762	20916	0.2493
18.819	1874064	146177	0.8921
19.425	83509	10849	0.0398
20.288	485758	30185	0.2312
	210073414	8798699	100.0000

SS-CR10 SYS=1 Ch=1 REPORT.NO=6 DATA=TEGUH5.D01 00/00/00 01:25:04
ple : Teguh P., PTK5
:
ution Factor: 1
e : Unknown
rator : Maryati

Chromatogram ***



Peak Report ***

TIME	AREA	HEIGHT	CONC
3.033	1312330	385123	0.9813
3.193	3019404	349681	2.2579
3.593	928354	99220	0.6942
3.925	237610	23029	0.1777
4.375	1720351	189036	1.2864
4.600	2940596	227932	2.1989
6.892	79506757	1049996	59.4537
7.325	446423	36589	0.3338
7.725	53786	8509	0.0402
8.114	3973838	475082	2.9716
8.575	2624429	181511	1.9625
9.257	373435	20528	0.2792
9.859	993756	53407	0.7431
10.509	825781	47171	0.6175
11.700	391582	19422	0.2928
12.136	969014	60911	0.7246
12.350	629846	58018	0.4710
12.800	27312700	1026701	20.4239
13.948	388771	61257	0.2907
14.125	306000	42157	0.2288
14.392	2953833	274792	2.2088
15.025	547411	38325	0.4093
16.134	239159	24334	0.1788
16.367	520618	40283	0.3893
16.775	207953	15619	0.1555
17.817	168929	15885	0.1263
19.292	136207	17894	0.1019
	133728874	4842408	100.0000

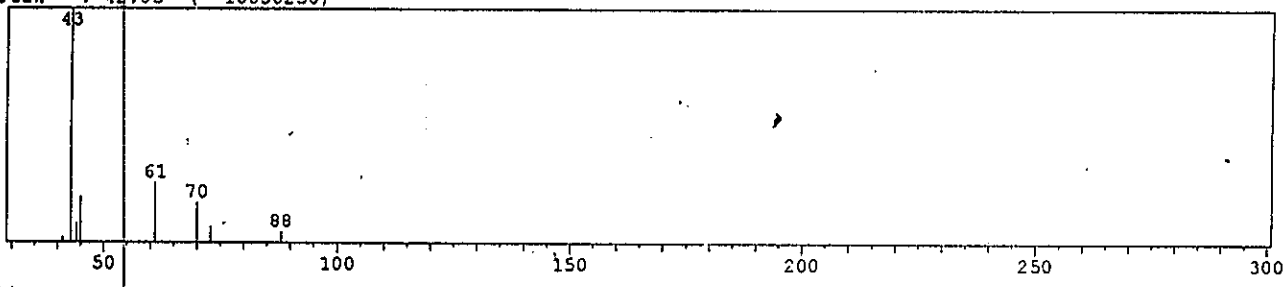
Data : TEGUH2.D01 03/06/24 12:57:28
Sample : PIROLISIS TEMPURUNG, TEGUH
Operator : POY
Method File Name : TEGUH.MET

**** Peak Report ****

PKNO	R.Time	I.Time - F.Time	Area	Height	A/H(sec)	MK	%Total	Name
1	2.258	2.158 - 2,375	814342162	120861767	6.738	VE	37.62	
2	2.707	2.375 - 2.775	302718764	22198276	13.637	V	13.98	
3	2.967	2.775 - 3.142	87707002	4655977	18.838	V	4.05	
4	3.650	3.142 - 3.675	243774230	7083615	34.414	V	11.26	
5	10.478	10.158 - 10.608	633685879	36812019	17.214		29.27	
6	11.989	11.900 - 12.042	63658412	13979405	4.554		2.94	
7	13.747	13.708 - 13.800	18995045	7090629	2.679		0.88	
Total			2164081493				100.00	

Lampiran 8. Spektra massa produk perengkahan katalitik tempurung kelapa

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 8 Ret. Time : 2.300
Scan # : 37 B.G. Scan # : 54
Base Peak : 42.85 (16030256)



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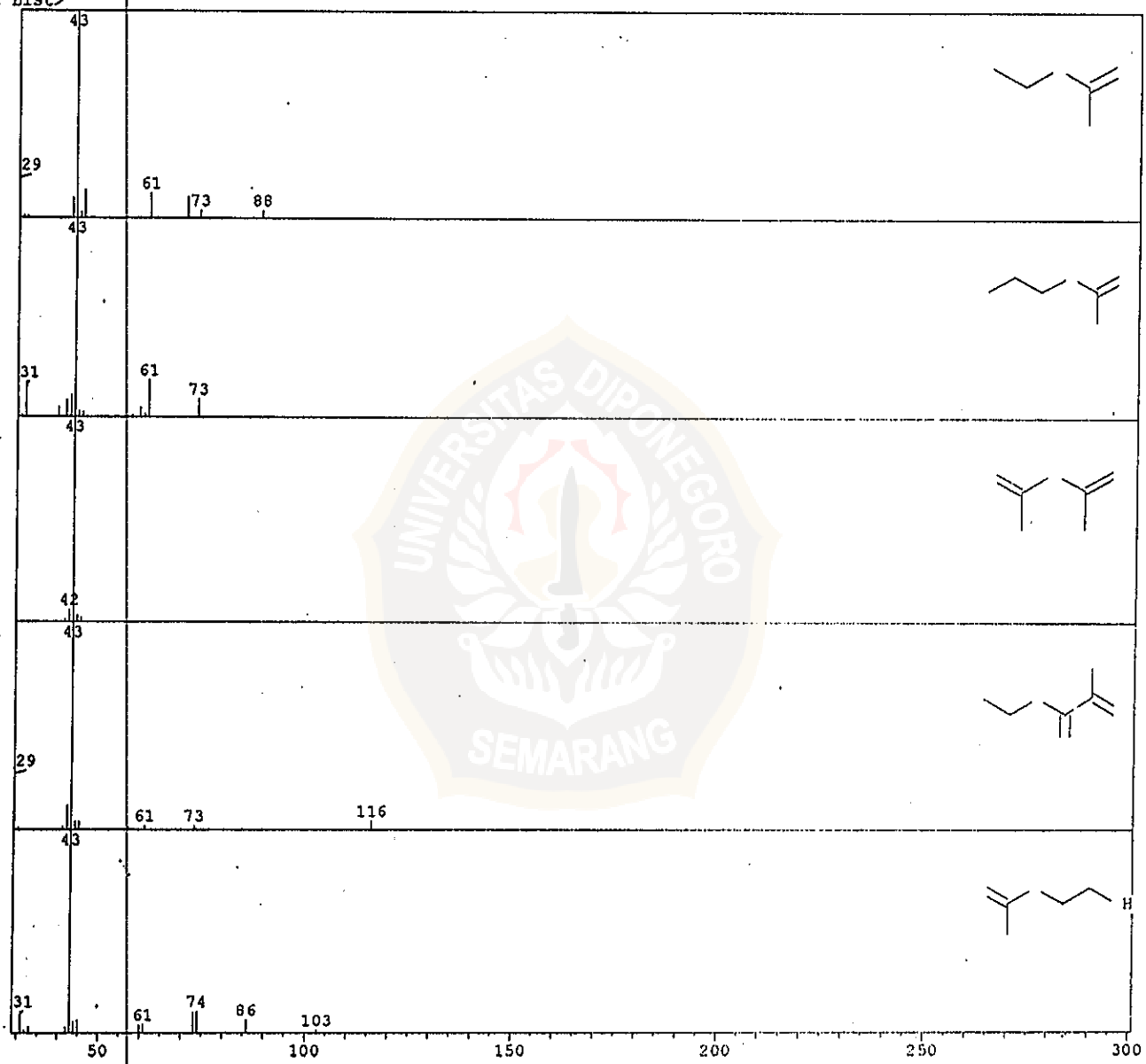
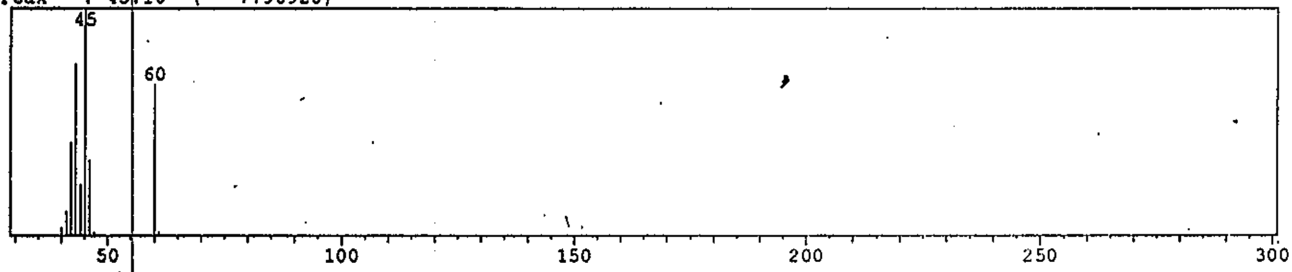


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	92	88	$C_4H_8O_2$	141-78-6	817	1
			Ethyl Acetate $$ Acetic acid, ethyl ester $$ Acetic ether $$ Acetidin $$ Acetoxyethan			
2	85	102	$C_5H_{10}O_2$	109-60-4	1698	1
			n-Propyl acetate $$ Acetic acid, propyl ester $$ Propyl acetate $$ 1-Acetoxypropane $			
3	84	102	$C_4H_6O_3$	108-24-7	1680	1
			Acetic acid, anhydride $$ Acetic anhydride $$ Acetic oxide $$ Acetyl anhydride $$ Ace			
4	83	116	$C_5H_8O_3$	617-35-6	3211	1
			Propanoic acid, 2-oxo-, ethyl ester $$ Pyruvic acid, ethyl ester $$ Ethyl pyruvate $$			
5	83	104	$C_4H_8O_3$	542-59-6	1877	1
			1,2-Ethanediol, monoacetate $$ Ethylene glycol, monoacetate $$ .beta.-Hydroxyethyl ac			

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 10   Ret. Time : 2.625
Scan #   : 76   B.G. Scan # : 62
Base Peak   : 45.10 (7790920)



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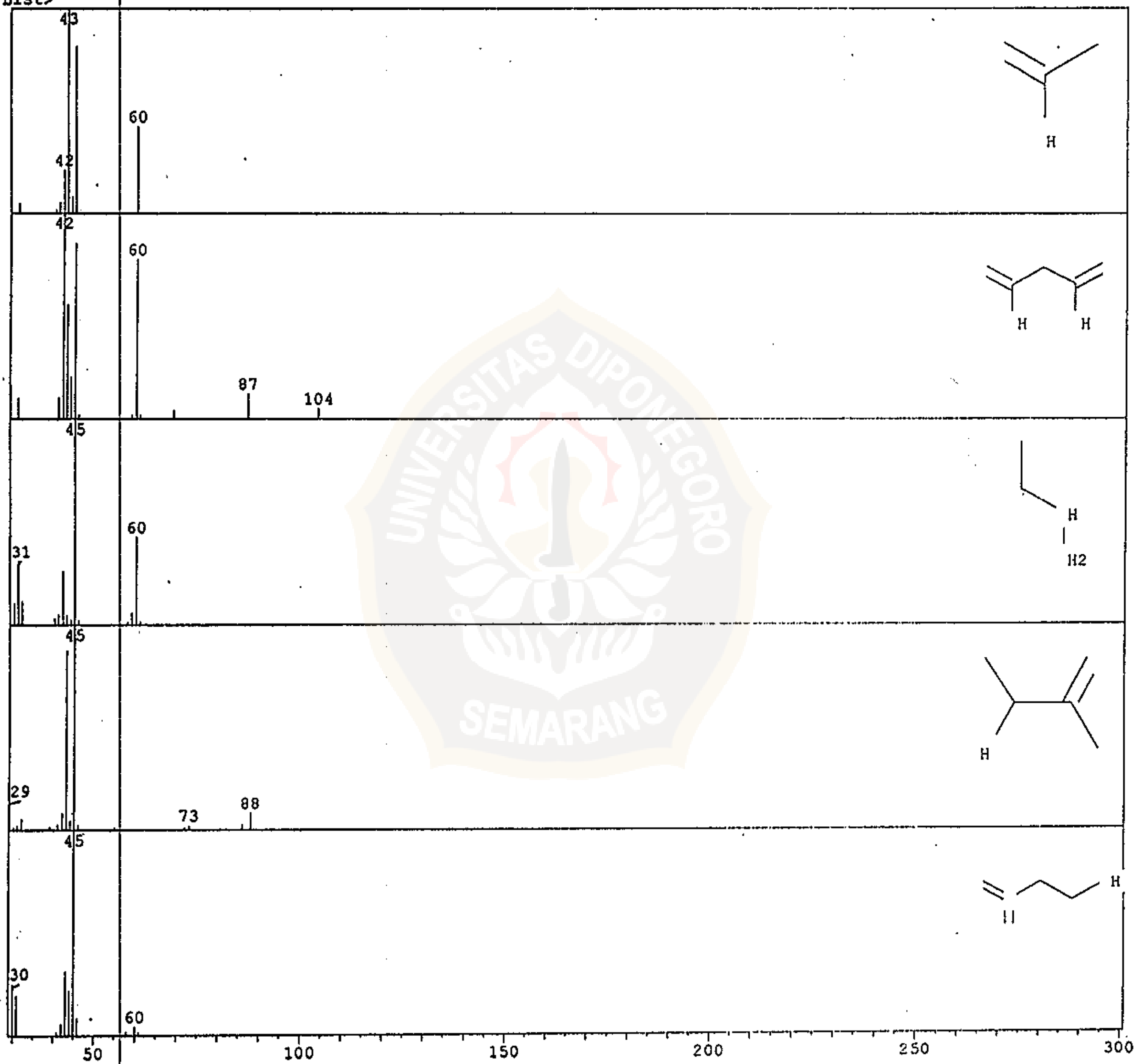
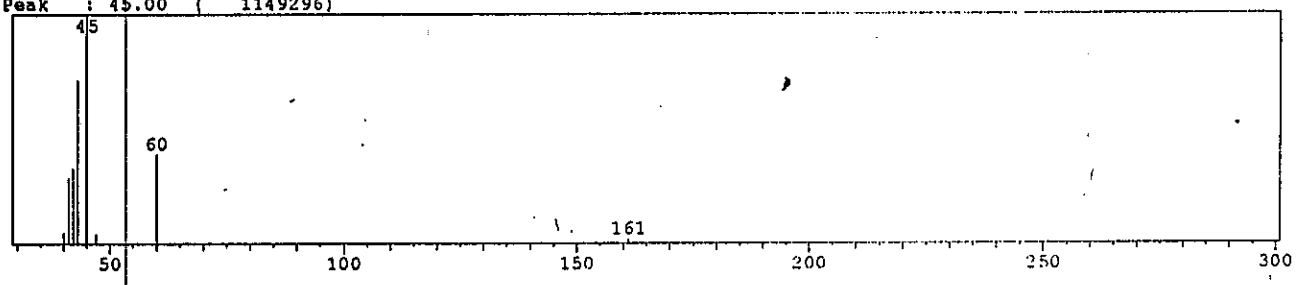


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	89	60	$C_2H_4O_2$ Acetic acid $$ Ethanoic acid $$ Ethylic acid $$ Glacial acetic acid $$ Methanecarboxy	64-19-7	116	1
2	87	104	$C_3H_4O_4$ Propanedioic acid $$ Malonic acid $$ Carboxyacetic acid $$ Dicarboxymethane $$ Methan	141-82-2	1844	1
3	83	60	$C_2H_8N_2$ Hydrazine, ethyl- $$ Ethylhydrazine $$ C2H5NHNH2 $$ Hydrazine, ethyl-, ethanedioate (	624-80-6	121	1
4	82	88	$C_4H_8O_2$ 2-Butanone, 3-hydroxy- $$ .gamma.-Hydroxy-.beta.-oxobutane $$ Acetoin $$ Acetyl methy	513-86-0	799	1
5	82	91	$C_2H_5NO_3$ Ethanol, 2-nitro- $$ .beta.-Nitroethanol $$ 2-Nitroethanol $$ .beta.-Nitroalcohol	625-48-9	940	1

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 12 Ret. Time : 2.958
Scan # : 116 B.G. Scan # : 107
Base Peak : 45.00 (1149296)



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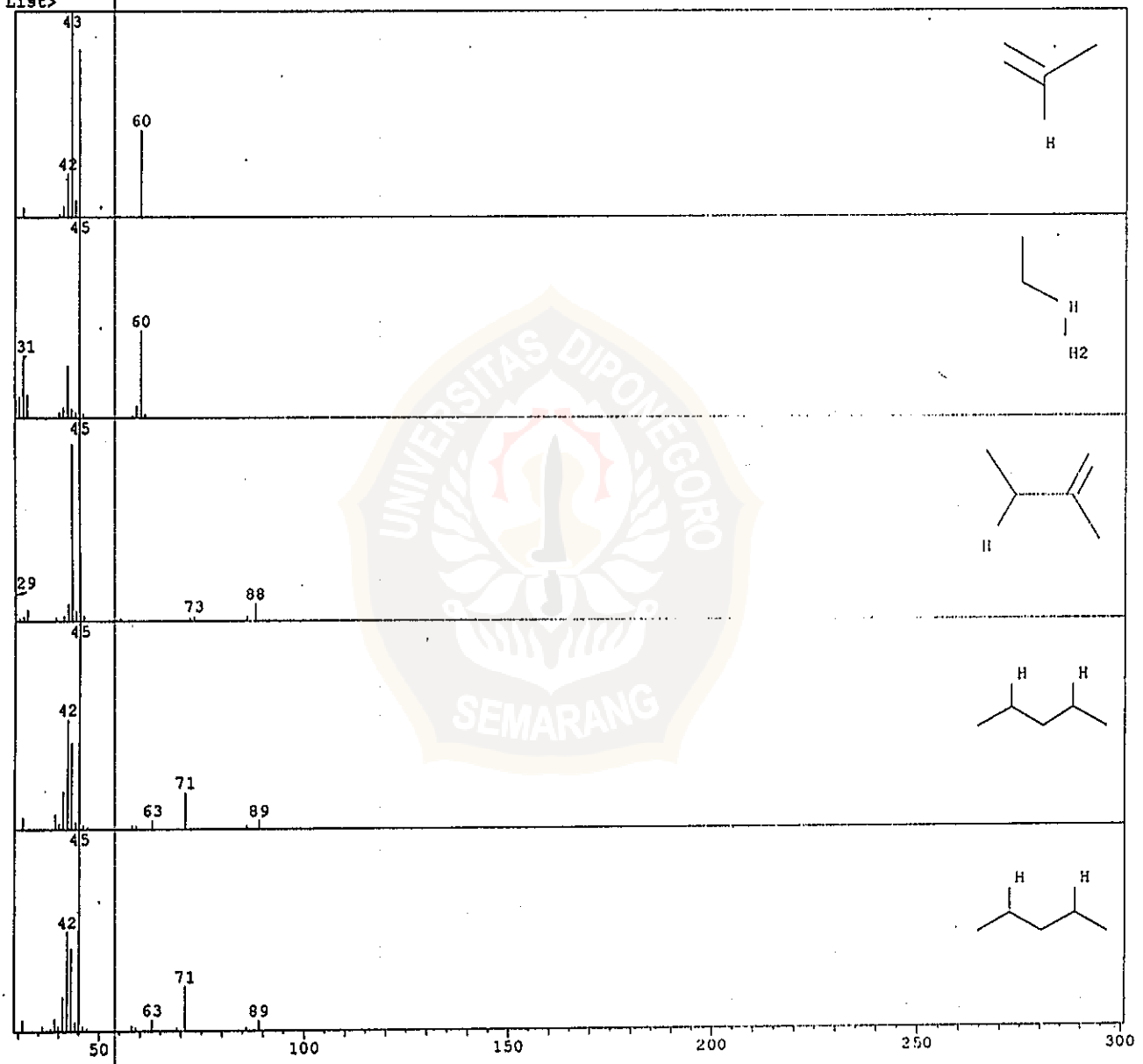
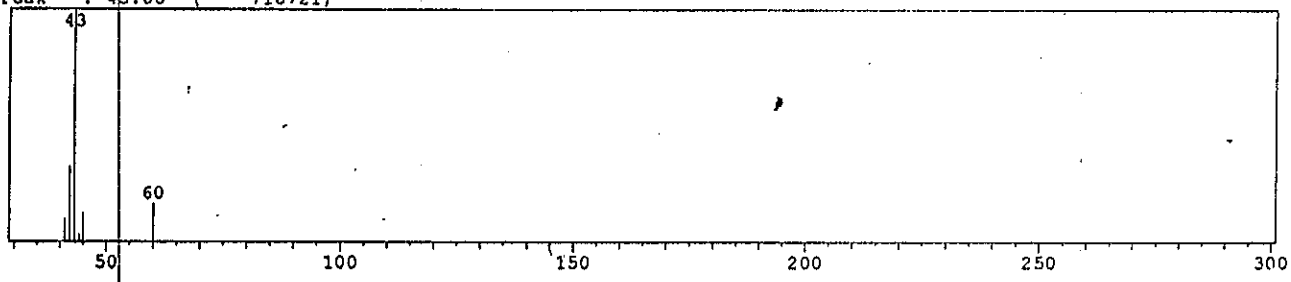


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	89	60	$C_2H_4O_2$	64-19-7	116	1
			Acetic acid $$ Ethanoic acid $$ Ethylic acid $$ Glacial acetic acid $$ Methanecarboxy			
2	85	60	$C_2H_8N_2$	624-80-6	121	1
			Hydrazine, ethyl- $$ Ethylhydrazine $$ C2H5NHNH2 $$ Hydrazine, ethyl-, ethanedioate (			
3	84	88	$C_4H_8O_2$	513-86-0	799	1
			2-Butanone, 3-hydroxy- $$ .gamma.-Hydroxy-.beta.-oxobutane $$ Acetoin $$ Acetyl methy			
4	83	104	$C_5H_{12}O_2$	42075-32-1	1921	1
			(2R,4R)-(-)-Pentanediol			
5	81	104	$C_5H_{12}O_2$	72345-23-4	1918	1
			(2S,4S)-(+)-Pentanediol			

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 23 Ret. Time : 3.708
Scan # : 206 B.G. Scan # : 283
Base Peak : 43.00 (710721)



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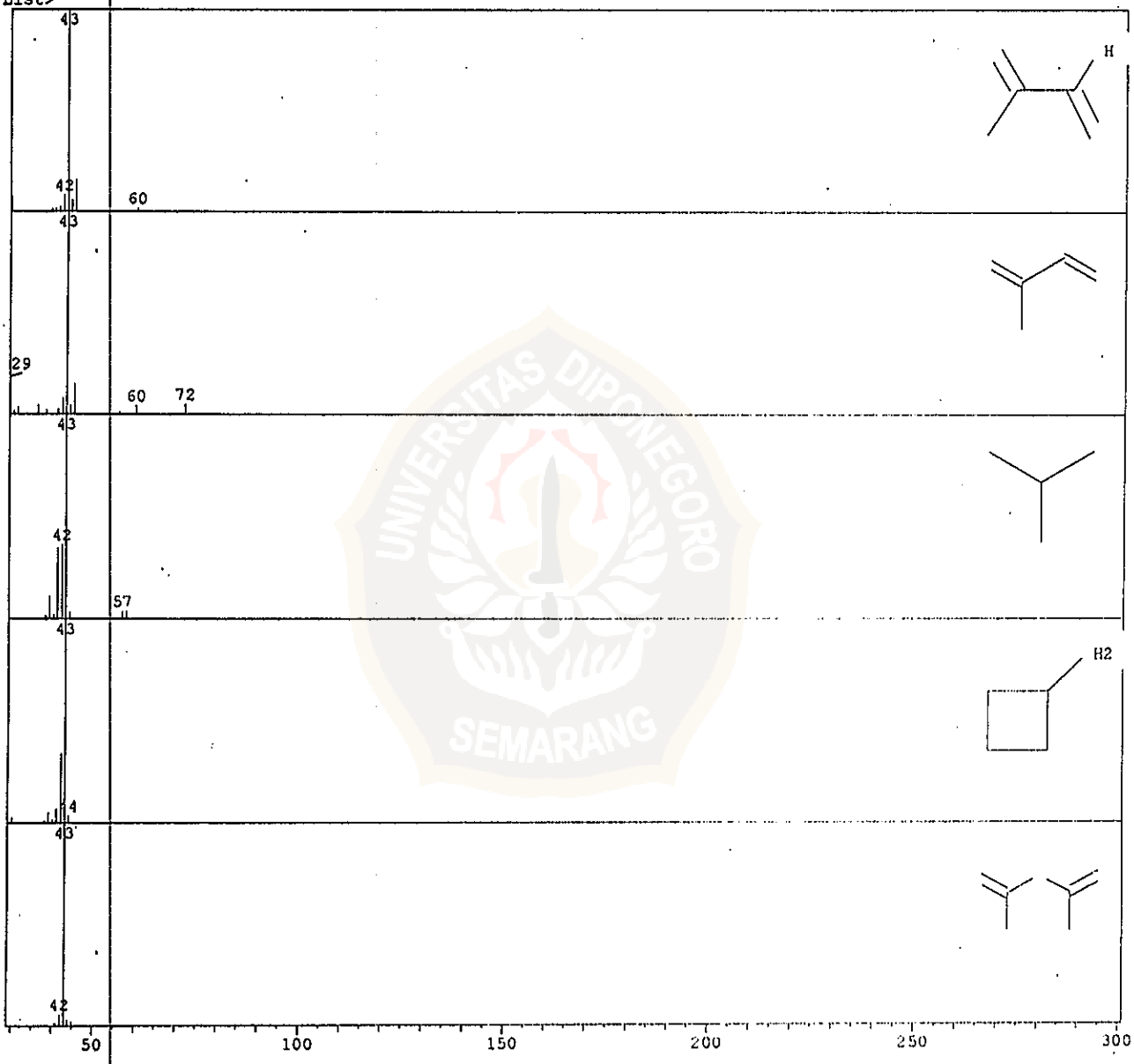
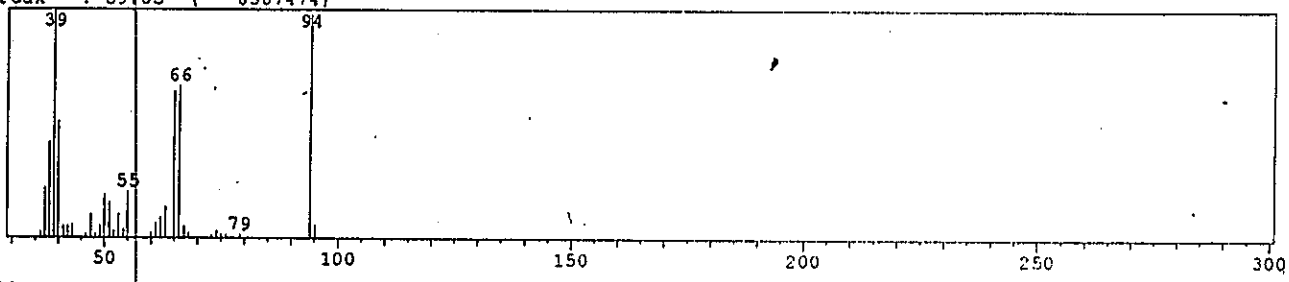


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	91	88	$C_3H_4O_3$	127-17-3	785	1
			Propanoic acid, 2-oxo- $$ Pyruvic acid $$ .alpha.-Ketopropionic acid $$ Acetylformic			
2	90	72	$C_3H_4O_2$	78-98-8	252	1
			Propanal, 2-oxo- $$ Pyruvaldehyde $$ .alpha.-Ketopropionaldehyde $$ Acetylformaldehyd			
3	89	58	C_4H_{10}	75-28-5	98	1
			Isobutane $$ Propane, 2-methyl- $$ Trimethylmethane $$ 1,1-Dimethylethane $$ 2-Methyl			
4	89	71	C_4H_9N	2516-34-9	244	1
			Cyclobutylamine $$ Aminocyclobutane $$ Cyclobutanamine-			
5	89	102	$C_4H_6O_3$	108-24-7	1680	1
			Acetic acid, anhydride $$ Acetic anhydride $$ Acetic oxide $$ Acetyl anhydride $$ Ace			

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 34 Ret. Time : 10.483
Scan # : 1019 B.G. Scan # : 1098
Base Peak : 39.05 (6367474)



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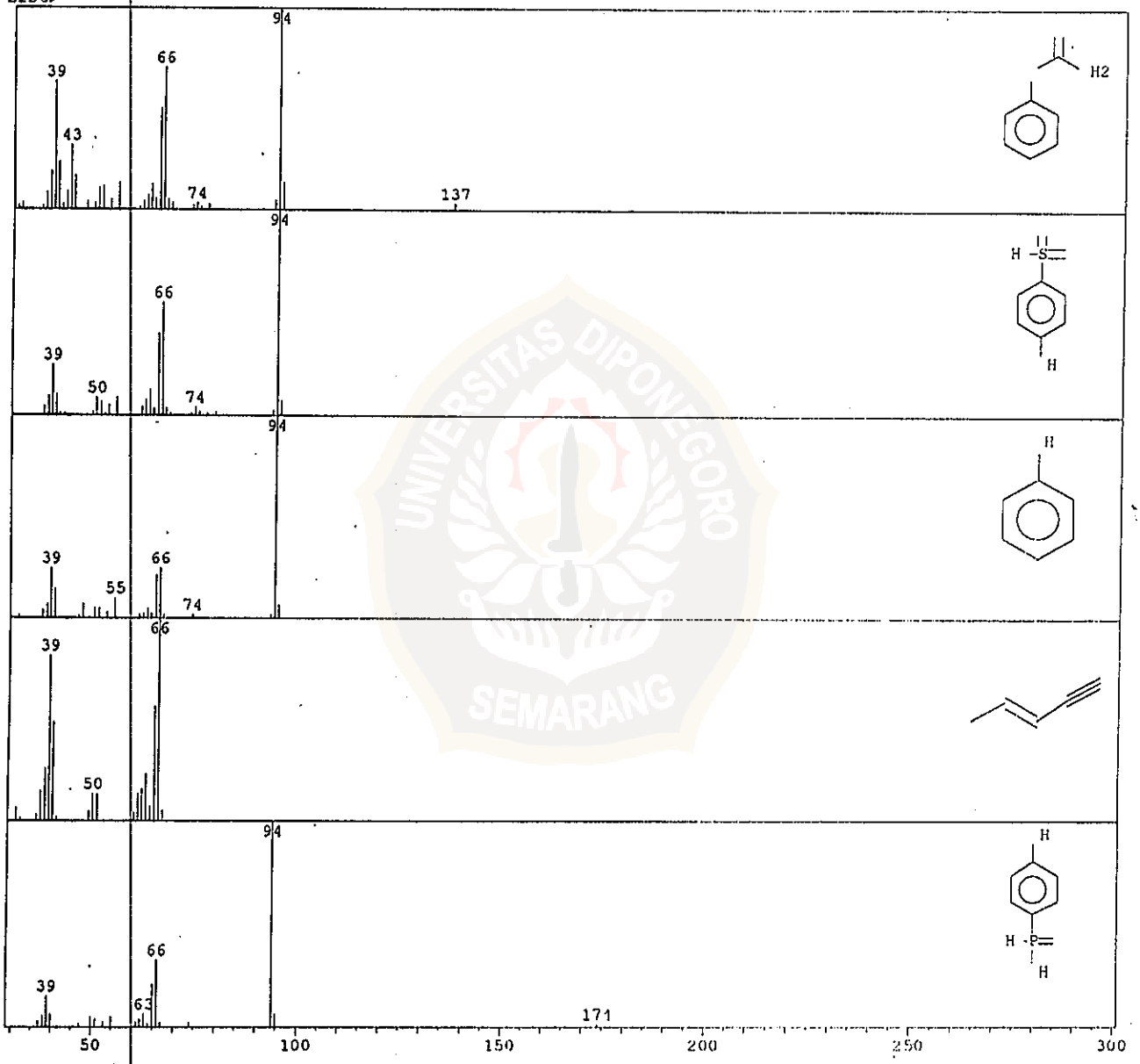
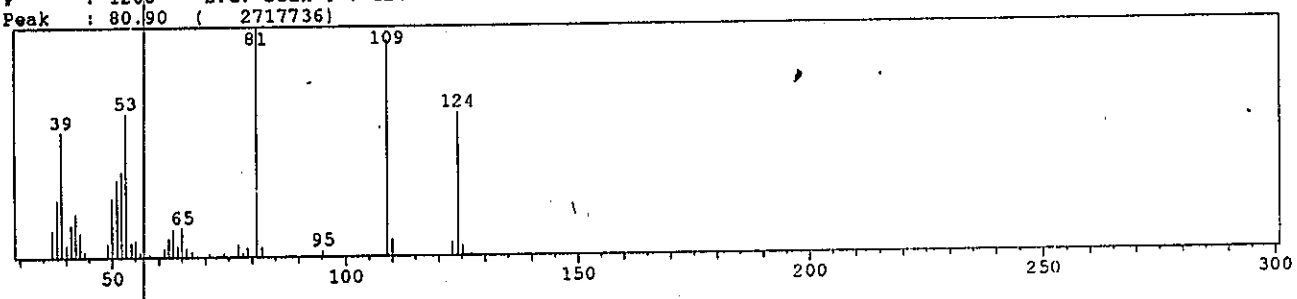


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	87	137	$C_7H_7NO_2$	642-46-8	6730	1
			Carbamic acid, phenyl ester $$ Phenyl carbamate			
2	84	174	$C_6H_6O_4S$	98-67-9	16038	1
			Benzenesulfonic acid, 4-hydroxy- $$ Benzenesulfonic acid, p-hydroxy- $$ p-Hydroxybenz			
3	79	94	C_6H_6O	108-95-2	1010	1
			Phenol $$ Baker's P and S Liquid and Ointment $$ Benzenol $$ Carbolic acid $$ Hydroxy			
4	77	66	C_5H_6	2206-23-7	156	1
			3-Penten-1-yne $$ Propenylacetylene $$ 2-Penten-4-yne			
5	77	174	$C_6H_7O_4P$	33795-18-5	16041	1
			Phosphonic acid, (p-hydroxyphenyl)- $$ 4-Hydroxybenzenephosphonic acid $$ (p-Hydroxyp			

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 39 Ret. Time : 11.992
Scan # : 1200 B.G. Scan # : 1267
Base Peak : 80.90 (2717736)



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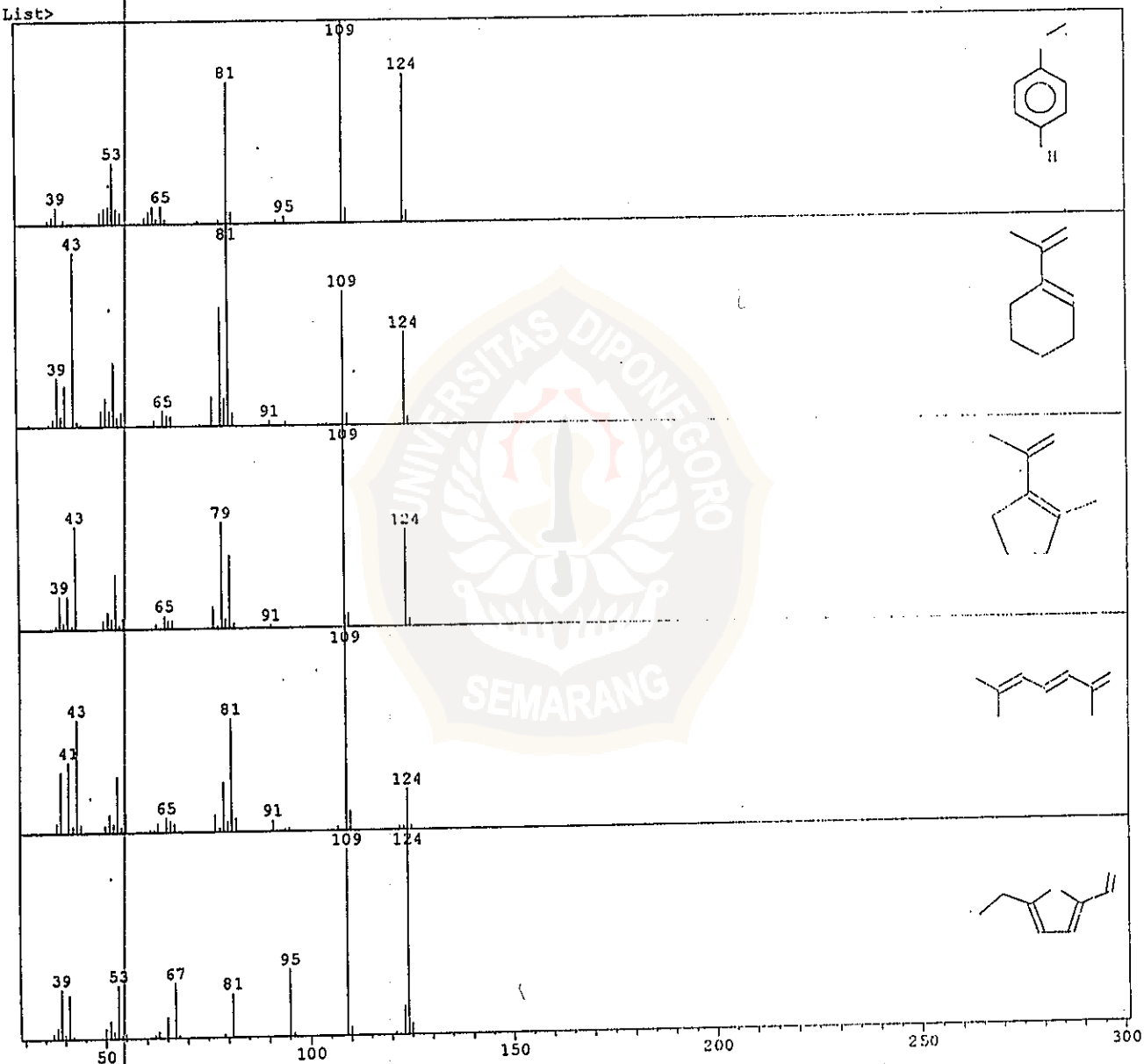
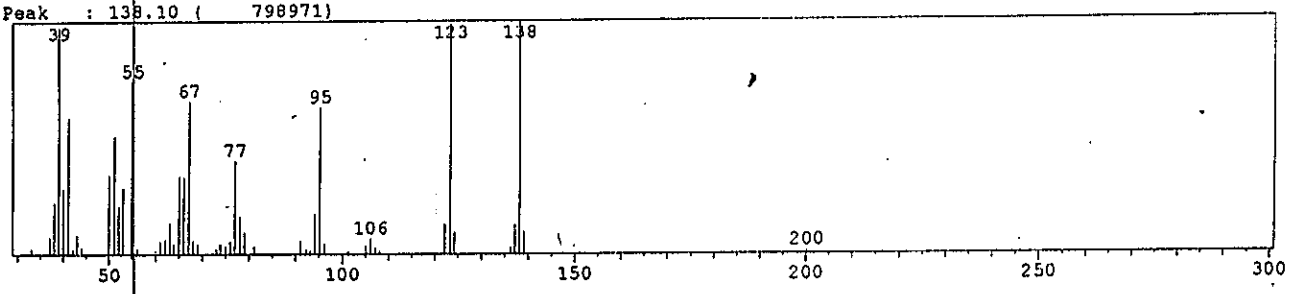


No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	82	124	$C_7H_8O_2$ Mequinol $$ Phenol, 4-methoxy- $$ Phenol, p-methoxy- $$ p-Guaiacol $$ p-Hydroxyanisol	150-76-5	4138	1
2	79	124	$C_8H_{12}O$ Ethanone, 1-(1-cyclohexen-1-yl)- $$ Ketone, 1-cyclohexen-1-yl methyl $$ Methyl 1-cycl	932-66-1	4169	1
3	78	124	$C_8H_{12}O$ Ethanone, 1-(2-methyl-1-cyclopenten-1-yl)- $$ Ketone, methyl 2-methyl-1-cyclopenten-1	3168-90-9	4189	1
4	78	124	$C_8H_{12}O$ 3,5-Heptadien-2-one, 6-methyl-, (E)-	16647-04-4	4186	1
5	78	124	$C_7H_8O_2$ 5-Ethyl-2-furaldehyde $$ 5-Ethylfurfural $$ 2-Furancarboxaldehyde, 5-ethyl-	23074-10-4	4127	1

Library Name
(1) NIST62.LIB

<Unknown Spectrum>
Data : TEGUH2.D01
Mass Peak # : 60 Ret. Time : 13.750
Scan # : 1411 B.G. Scan # : 1359
Base Peak : 138.10 (798971)



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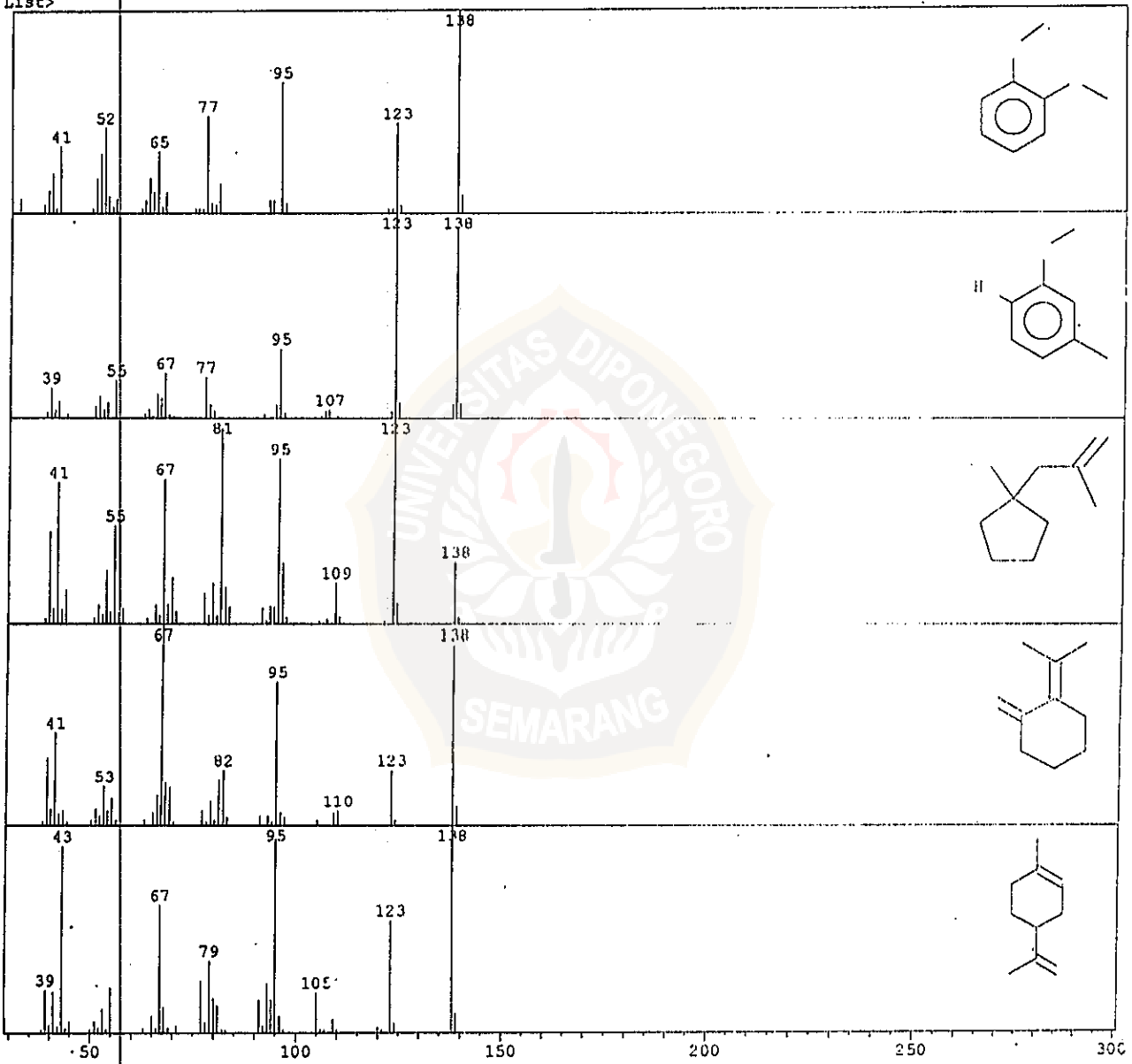

No	SI	Mol.Wgt.	Mol.Form./Compound Name	CAS No.	Entry	LIB#
1	79	138	$C_8H_{10}O_2$	91-16-7	6904	1
			Benzene, 1,2-dimethoxy- $$ Benzene, o-dimethoxy- $$ o-Dimethoxybenzene $$ O,O-Dimethy			
2	79	138	$C_8H_{10}O_2$	93-51-6	6909	1
			Phenol, 2-methoxy-4-methyl- $$ p-Cresol, 2-methoxy- $$ p-Creosol $$ p-Methylguaiacol			
3	76	138	$C_{10}H_{18}$	74764-47-9	7096	1
			Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-			
4	75	138	$C_9H_{14}O$	13747-73-4	6962	1
			Cyclohexanone, 2-(1-methylethylidene)- $$ Cyclohexanone, 2-isopropylidene- $$ 2-Isopr			
5	74	138	$C_9H_{14}O$	70286-20-3	6980	1
			.+/-.-4-Acetyl-1-methylcyclohexene			

Library Name
(1) NIST62.LIB