

LAMPIRAN 1
DATA DAN PERHITUNGAN

A.1. Perhitungan Densitas Hidrosol Minyak Daun Jeruk Purut

Massa piknometer kosong = 16,12 gram

- **Kalibrasi volume piknometer**

Tabel 1. Data Pengukuran Massa Air dalam Piknometer

Pengukuran Ke-	Massa Piknometer+air (gram)	Massa air (gram)
1	26,10	9,98
2	26,10	9,98
3	26,10	9,98
Massa air rata-rata		9,98

Rumus Volume Piknometer :

$$volume\ piknometer(cm^3) = \frac{massa\ air\ (gram)}{densitas\ air\ (gram/cm^3)}$$

Densitas air pada suhu 28°C = 0,996233 gram/cm³

$$\begin{aligned} Volume\ piknometer &= (9,98\ gram) / (0,996233\ gram/cm^3) \\ &= 10,017\ cm^3 \end{aligned}$$

- **Menghitung Densitas Hidrosol Minyak Daun Jeruk Purut**

Rumus Densitas Hidrosol Minyak Daun Jeruk Purut :

$$Densitas\ Hidrosol(gram/cm^3) = \frac{massa\ hidrosol\ (gram)}{volume\ piknometer\ (cm^3)}$$

Tabel2. Data Pengukuran Densitas Hidrosol Minyak Daun Jeruk Purut

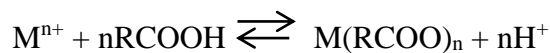
Pengukuran ke-	Massa piknometer + hidrosol minyak daun jeruk purut (gram)	Massa hidrosol minyak daun jeruk purut (gram)	Densitas hidrosol minyak daun jeruk purut (gram/cm ³)
1	26,1	9,98	0,996
2	26,09	9,97	0,995
3	26,1	9,98	0,996
Densitas hidrosol minyak daun jeruk purut rata – rata			0,9959

A.2 Perhitungan Komposisi Cairan Pembersih Lantai

Basis = 100 gram cairan pembersih lantai

Kebutuhan texapon semua sampel = 3,6 gram

Massa bahan aktif = 4% x 100 gram = 4 gram



Maka :



Rumus n(mol) :

$$n(\text{mol}) = \frac{\text{massa (gram)}}{\text{berat molekul } \left(\frac{\text{gram}}{\text{gram.mol}}\right)}$$

- Komposisi Cairan Pembersih Lantai G:H(1:0)**

Kebutuhan gondorukem

Massa gondorukem = 1 x 4 gram

= 4 gram

n Gondorukem = (4 gram) / (302 gram/gram.mol)

= 0,0132 mol

Kebutuhan NaOH

$$n \text{ Gondorukem} = n \text{ NaOH} \quad (\text{Menurut Reaksi 1})$$

$$\begin{aligned} \text{massa NaOH} &= n \text{ Gondorukem} \times \text{Mr. NaOH} \\ &= (0,0132 \text{ mol}) \times (40 \text{ gram/gram.mol}) \\ &= 0,53 \text{ gram} \end{aligned}$$

Untuk melarutkan gondorukem dibutuhkan *excess* NaOH sebesar 17%

$$\begin{aligned} \text{NaOH excess} &= 117\% \times (0,53 \text{ gram}) \\ &= 0,62 \text{ gram} \end{aligned}$$

Kebutuhan hidrosol minyak daun jeruk purut

Pada sampel ini tidak menggunakan hidrosol minyak daun jeruk purut

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa} \\ &\quad \text{Texapon}) \\ &= 100 - (4 + 0,62 + 0 + 3,6) \\ &= 91,78 \text{ gram} \end{aligned}$$

- **Komposisi Cairan Pembersih Lantai G:H(0:1)**

Kebutuhan gondorukem

Pada sampel ini tidak menggunakan gondorukem

Kebutuhan NaOH

Pada sampel ini tidak menggunakan NaOH

Kebutuhan hidrosol minyak daun jeruk purut

$$\begin{aligned} \text{Hidrosol minyak daun jeruk purut} &= 1 \times (4 \text{ gram}) \\ &= 4 \text{ gram} \end{aligned}$$

$$\begin{aligned} \text{Volume hidrosol minyak daun jeruk purut} &= \text{massa hidrosol} / \rho \text{ hidrosol} \\ &= (4 \text{ gram}) / (0,996 \text{ gram/cm}^3) \\ &= 4,02 \text{ ml} \end{aligned}$$

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa} \\ &\quad \text{Texapon}) \\ &= 100 - (0 + 0 + 4,02 + 3,6) \\ &= 92,4 \text{ gram} \end{aligned}$$

- **Komposisi Cairan Pembersih Lantai G:H(1:1)**

Kebutuhan gondorukem

$$\begin{aligned} \text{Massa gondorukem} &= (1/2) \times 4 \text{ gram} \\ &= 2 \text{ gram} \end{aligned}$$

$$\begin{aligned} n \text{ Gondorukem} &= (2 \text{ gram}) / (302 \text{ gram/gram.mol}) \\ &= 0,0066 \text{ mol} \end{aligned}$$

Kebutuhan NaOH

$$n \text{ Gondorukem} = n \text{ NaOH} \quad (\text{Menurut Reaksi 1})$$

$$\begin{aligned} \text{massa NaOH} &= n \text{ Gondorukem} \times \text{Mr. NaOH} \\ &= (0,0066 \text{ mol}) \times (40 \text{ gram/gram.mol}) \\ &= 0,26 \text{ gram} \end{aligned}$$

Untuk melarutkan gondorukem dibutuhkan *excess* NaOH sebesar 17%

$$\begin{aligned} \text{NaOH excess} &= 117\% \times (0,26 \text{ gram}) \\ &= 0,32 \text{ gram} \end{aligned}$$

Kebutuhan hidrosol minyak daun jeruk purut

$$\begin{aligned} \text{Hidrosol minyak daun jeruk purut} &= (1/2) \times (4 \text{ gram}) \\ &= 2 \text{ gram} \end{aligned}$$

$$\begin{aligned} \text{Volume hidrosol minyak daun jeruk purut} &= \text{massa hidrosol} / \rho \text{ hidrosol} \\ &= (2 \text{ gram}) / (0,996 \text{ gram/cm}^3) \\ &= 2,01 \text{ ml} \end{aligned}$$

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa Texapon}) \\ &= 100 - (2 + 0,32 + 2,01 + 3,6) \\ &= 92,1 \text{ gram} \end{aligned}$$

- **Komposisi Cairan Pembersih Lantai G:H(2:1)**

Kebutuhan gondorukem

$$\begin{aligned} \text{Massa gondorukem} &= (2/3) \times 4 \text{ gram} \\ &= 2,67 \text{ gram} \end{aligned}$$

$$\begin{aligned} n \text{ Gondorukem} &= (2,67 \text{ gram}) / (302 \text{ gram/gram.mol}) \\ &= 0,0088 \text{ mol} \end{aligned}$$

Kebutuhan NaOH

$$n \text{ Gondorukem} = n \text{ NaOH} \quad (\text{Menurut Reaksi 1})$$

$$\begin{aligned} \text{massa NaOH} &= n \text{ Gondorukem} \times \text{Mr. NaOH} \\ &= (0,0088 \text{ mol}) \times (40 \text{ gram/gram.mol}) \\ &= 0,35 \text{ gram} \end{aligned}$$

Untuk melarutkan gondorukem dibutuhkan *excess* NaOH sebesar 17%

$$\text{NaOH excess} = 117\% \times (0,35 \text{ gram})$$

$$= 0,42 \text{ gram}$$

Kebutuhan hidrosol minyak daun jeruk purut

$$\begin{aligned} \text{Hidrosol minyak daun jeruk purut} &= (1/3) \times (4 \text{ gram}) \\ &= 1,33 \text{ gram} \end{aligned}$$

$$\begin{aligned} \text{Volume hidrosol minyak daun jeruk purut} &= \text{massa hidrosol} / \rho \text{ hidrosol} \\ &= (1,33 \text{ gram}) / (0,996 \text{ gram/cm}^3) \\ &= 1,34 \text{ ml} \end{aligned}$$

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa Texapon}) \\ &= 100 - (2,67 + 0,42 + 1,34 + 3,6) \\ &= 91,9 \text{ gram} \end{aligned}$$

• **Komposisi Cairan Pembersih Lantai G:H(1:2)**

Kebutuhan gondorukem

$$\begin{aligned} \text{Massa gondorukem} &= (1/3) \times 4 \text{ gram} \\ &= 1,33 \text{ gram} \end{aligned}$$

$$\begin{aligned} n \text{ Gondorukem} &= (1,33 \text{ gram}) / (302 \text{ gram/gram.mol}) \\ &= 0,0044 \text{ mol} \end{aligned}$$

Kebutuhan NaOH

$$n \text{ Gondorukem} = n \text{ NaOH} \quad (\text{Menurut Reaksi 1})$$

$$\begin{aligned} \text{massa NaOH} &= n \text{ Gondorukem} \times \text{Mr. NaOH} \\ &= (0,0044 \text{ mol}) \times (40 \text{ gram/gram.mol}) \\ &= 0,18 \text{ gram} \end{aligned}$$

Untuk melarutkan gondorukem dibutuhkan *excess* NaOH sebesar 17%

$$\begin{aligned} \text{NaOH excess} &= 117\% \times (0,18 \text{ gram}) \\ &= 0,23 \text{ gram} \end{aligned}$$

Kebutuhan hidrosol minyak daun jeruk purut

$$\begin{aligned} \text{Hidrosol minyak daun jeruk purut} &= (2/3) \times (4 \text{ gram}) \\ &= 2,67 \text{ gram} \end{aligned}$$

$$\begin{aligned} \text{Volume hidrosol minyak daun jeruk purut} &= \text{massa hidrosol} / \rho \text{ hidrosol} \\ &= (2,67 \text{ gram}) / (0,996 \text{ gram/cm}^3) \\ &= 2,68 \text{ ml} \end{aligned}$$

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa Texapon}) \\ &= 100 - (1,33 + 0,23 + 2,68 + 3,6) \\ &= 92,2 \text{ gram} \end{aligned}$$

- **Komposisi Cairan Pembersih Lantai G:H(1:3)**

Kebutuhan gondorukem

$$\begin{aligned} \text{Massa gondorukem} &= (1/4) \times 4 \text{ gram} \\ &= 1 \text{ gram} \\ n \text{ Gondorukem} &= (1 \text{ gram}) / (302 \text{ gram/gram.mol}) \\ &= 0,0033 \text{ mol} \end{aligned}$$

Kebutuhan NaOH

$$\begin{aligned} n \text{ Gondorukem} &= n \text{ NaOH} && \text{(Menurut Reaksi 1)} \\ \text{massa NaOH} &= n \text{ Gondorukem} \times \text{Mr. NaOH} \\ &= (0,0033 \text{ mol}) \times (40 \text{ gram/gram.mol}) \\ &= 0,13 \text{ gram} \end{aligned}$$

Untuk melarutkan gondorukem dibutuhkan *excess* NaOH sebesar 17%

$$\begin{aligned} \text{NaOH excess} &= 117\% \times (0,13 \text{ gram}) \\ &= 0,17 \text{ gram} \end{aligned}$$

Kebutuhan hidrosol minyak daun jeruk purut

$$\begin{aligned} \text{Hidrosol minyak daun jeruk purut} &= (3/4) \times (4 \text{ gram}) \\ &= 3 \text{ gram} \\ \text{Volume hidrosol minyak daun jeruk purut} &= \text{massa hidrosol} / \rho \text{ hidrosol} \\ &= (3 \text{ gram}) / (0,996 \text{ gram/cm}^3) \\ &= 3,01 \text{ ml} \end{aligned}$$

Kebutuhan air

$$\begin{aligned} \text{Massa air} &= \text{basis} - (\text{massa Gondorukem} + \text{massa NaOH} + \text{massa Hidrosol} + \text{massa Texapon}) \\ &= 100 - (1 + 0,17 + 3,01 + 3,6) \\ &= 92,3 \text{ gram} \end{aligned}$$

Tabel 3. Komposisi Cairan Pembersih Lantai

Komposisi	Rasio Gondorukem : Hidrosol Minyak Daun Jeruk Purut					
	1:0	0:1	1:1	2:1	1:2	1:3
Gondorukem (gram)	4.00	0.00	2.00	2.67	1.33	1.00
NaOH 17% excess	0.62	0.00	0.31	0.41	0.22	0.15
Hidrosol (ml)	0.00	4.02	2.01	1.34	2.68	3.01
Texapon (gram)	3.60	3.60	3.60	3.60	3.60	3.60
Air (ml)	91.7	92.4	92.1	91.9	92.2	92.3

A.2 SNI 06-1842-1995 Cairan Pembersih Lantai Berdesinfektan

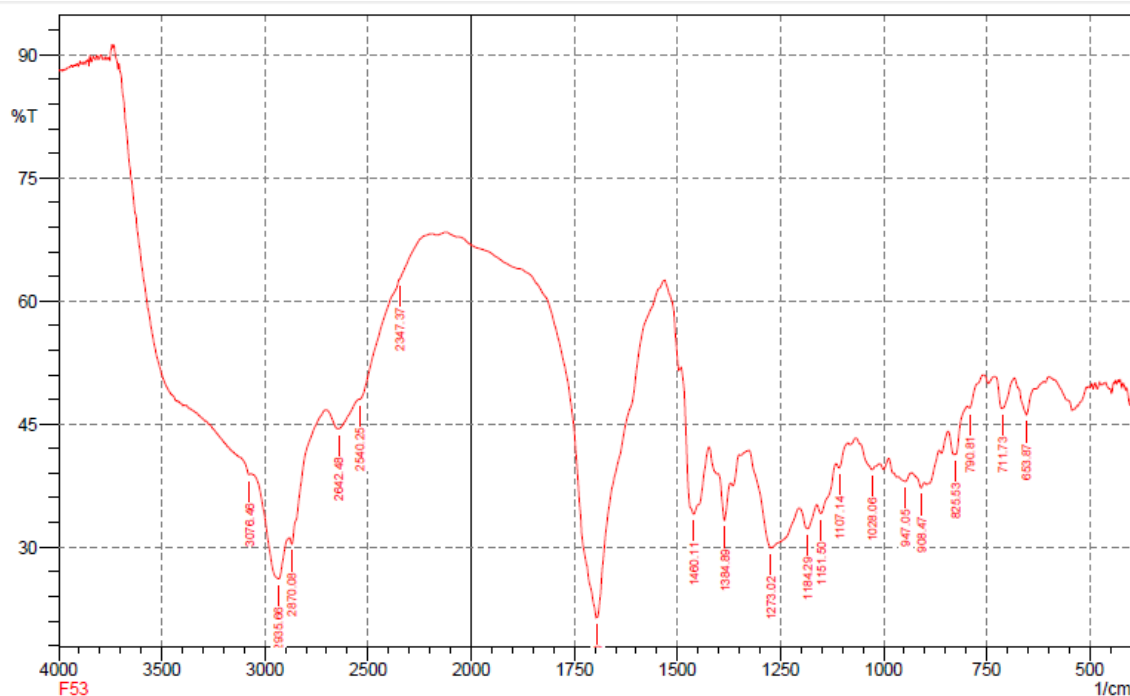
Tabel 1. Spesifikasi Cairan Pembersih Lantai Berdesinfektan

No	Jenis uji	Satuan	Persyaratan
1.	pH	-	6-11
2.	Flokulasi dalam air sadah 1:100	-	Tidak membentuk flok dalam air sadah
3.	Uji antibakteri	%	Maks.7

LAMPIRAN 2

HASIL UJI

B.1. Uji Fourier Transform Infrared (FTIR) Spectrometer Gondorukem

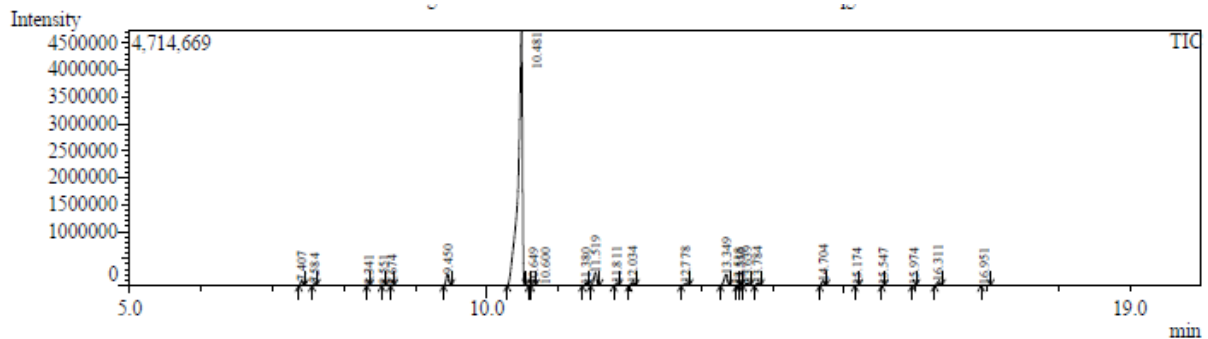


	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	653.87	46.084	3.75	680.87	632.65	15.307	0.741
2	711.73	46.901	3.816	731.02	682.8	15.019	0.794
3	790.81	46.944	0.811	796.6	759.95	11.347	0.07
4	825.53	41.29	0.432	827.46	798.53	10.118	0.044
5	908.47	37.226	0.949	931.62	900.76	12.929	0.112
6	947.05	37.964	0.838	962.48	933.55	12.039	0.143
7	1028.06	39.441	1	1066.64	1020.34	17.952	0.267
8	1107.14	39.634	1.245	1114.86	1087.85	10.446	0.138
9	1151.5	34.109	2.13	1161.15	1116.78	19.572	0.756
10	1184.29	32.262	2.686	1203.58	1163.08	19.252	0.768
11	1273.02	29.881	8.84	1325.1	1205.51	57.246	7.065
12	1384.89	33.234	5.081	1400.32	1371.39	12.844	0.788
13	1460.11	34.019	13.276	1490.97	1425.4	27.074	5.327
14	1693.5	21.447	41.71	1884.45	1531.48	117.968	47.648
15	2347.37	62.64	0.106	2349.3	2249	18.63	0.012
16	2540.25	48.013	0.151	2542.18	2349.3	49.418	0.148
17	2642.48	44.432	0.088	2644.41	2544.11	33.677	0.116
18	2870.08	30.341	1.647	2879.72	2706.13	68.851	0.305
19	2935.66	26.138	7.273	3066.82	2881.65	92.964	8.212
20	3076.46	38.833	0.357	3263.56	3068.75	73.629	0.072

1. Muncul puncak pada angka gelombang 675-995 cm^{-1} yang kemungkinan menunjukkan adanya gugus C-H Alkena yang biasanya muncul pada angka gelombang 675-995 & 3010-3095 cm^{-1} .
2. Muncul puncak pada angka gelombang 690-900 cm^{-1} yang kemungkinan menunjukkan adanya gugus C-H cincin aromatik yang biasanya muncul pada angka gelombang 690-900 cm^{-1} & 3010-3100 cm^{-1} .

3. Muncul puncak pada angka gelombang $1050-1300\text{ cm}^{-1}$ yang kemungkinan menunjukkan adanya gugus C-O Alkohol/eter/asam karboksilat/ester yang biasanya muncul pada angka gelombang tersebut.
4. Muncul puncak pada angka gelombang $1180-1360\text{ cm}^{-1}$ yang kemungkinan menunjukkan adanya gugus C-N Amina/amida yang biasanya muncul pada angka gelombang tersebut.
5. Muncul puncak pada angka gelombang $1340-1670$ & $2850-2970\text{ cm}^{-1}$ yang kemungkinan menunjukkan adanya gugus C-H Alkana yang biasanya muncul pada angka gelombang tersebut.
6. Muncul puncak pada angka gelombang $1690-1760\text{ cm}^{-1}$ yang kemungkinan menunjukkan adanya gugus C=O Aldehyd/ keton/ asam karboksilat/ ester yang biasanya muncul pada angka gelombang tersebut.
7. Muncul puncak pada angka gelombang $2500-2700\text{ cm}^{-1}$ yang kemungkinan menunjukkan adanya gugus O-H Asam karboksilat dengan ikatan hidrogen yang biasanya muncul pada angka gelombang tersebut.

B.2. Uji Gas Chromatography Mass Spektrometer (GCMS) Minyak Daun Jeruk Purut



Peak#	R.Time	Area	Area%	Height	Peak Report TIC	
					Height%	A/H
1	7.407	176595	0.77	82055	1.39	2.15
2	7.584	45436	0.20	24657	0.42	1.84
3	8.341	5361	0.02	3833	0.06	1.39
4	8.551	23999	0.10	15960	0.27	1.50
5	8.674	12088	0.05	7958	0.13	1.51
6	9.450	600212	2.62	207767	3.52	2.88
7	10.481	19654910	85.83	4714669	79.88	4.16
8	10.600	6582	0.03	4020	0.07	1.63
9	10.649	19555	0.09	8395	0.14	2.32
10	11.380	52309	0.23	21238	0.36	2.46
11	11.519	689694	3.01	240568	4.08	2.86
12	11.811	52488	0.23	22602	0.38	2.32
13	12.034	135890	0.59	52657	0.89	2.58
14	12.778	74262	0.32	20850	0.35	3.56
15	13.349	707885	3.09	209876	3.56	3.37
16	13.518	9067	0.04	5624	0.10	1.61
17	13.550	3324	0.01	2609	0.04	1.27
18	13.639	94953	0.41	36157	0.61	2.62
19	13.784	87161	0.38	38709	0.66	2.25
20	14.704	200911	0.88	82846	1.40	2.42
21	15.174	18552	0.08	8975	0.15	2.06
22	15.547	13089	0.06	9694	0.16	1.35
23	15.974	20892	0.09	10217	0.17	2.04
24	16.311	138278	0.60	55883	0.95	2.47
25	16.951	56949	0.25	14310	0.24	3.97
		22900442	100.00	5902129	100.00	

==== Analytical Line 1 =====

[GC-2010]

Column Oven Temp. :60.0 °C
Injection Temp. :250.00 °C
Injection Mode :Split
Flow Control Mode :Pressure
Pressure :100.0 kPa
Total Flow :648.0 mL/min
Column Flow :1.61 mL/min
Linear Velocity :46.3 cm/sec
Purge Flow :3.0 mL/min
Split Ratio :400.0
High Pressure Injection :OFF
Carrier Gas Saver :OFF
Splitter Hold :OFF
Oven Temp. Program

Rate	Temperature(°C)	Hold Time(min)
-	60.0	1.00
10.00	230.0	2.00

< Ready Check Heat Unit >

Column Oven : Yes
SPL1 : Yes
MS : Yes

< Ready Check Detector(FTD) >

< Ready Check Baseline Drift >

< Ready Check Injection Flow >

SPL1 Carrier : Yes
SPL1 Purge : Yes

< Ready Check APC Flow >

< Ready Check Detector APC Flow >

External Wait :No
Equilibrium Time :3.0 min

1e#

155 [GC Program]

w1

1 N [GCMS-QP2010 Plus]

0 IonSourceTemp :200.00 °C

Interface Temp. :240.00 °C

Solvent Cut Time :2.00 min

Detector Gain Mode :Relative

Detector Gain :0.00 kV

Threshold :1000

[MS Table]

--Group 1 - Event 1--

Start Time :5.00min

End Time :20.00min

1e# ACQ Mode :Scan

155 Event Time :0.50sec

w1 Scan Speed :625

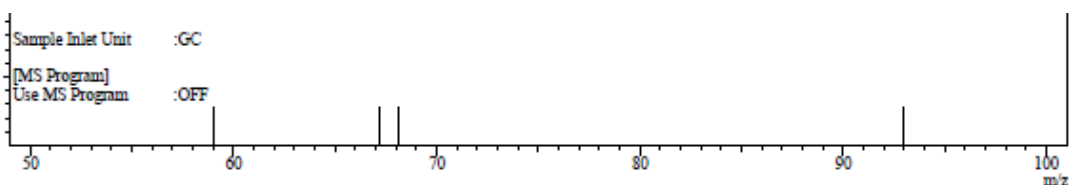
1 N Start m/z :50.00

0 End m/z :350.00

Sample Inlet Unit :GC

[MS Program]

Use MS Program :OFF

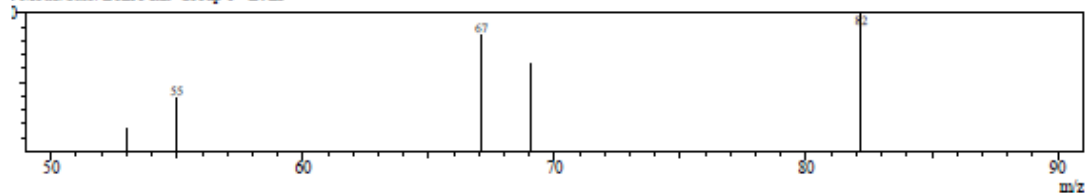


1e# 5 R Time: 8.675 (Scan#: 44)

155 Peaks: 2

wMode: Averaged 8.667-8.683 (441-443) BasePeak: 82.20 (20)

1 Mode: Calc. from Peak Group 1 - Event



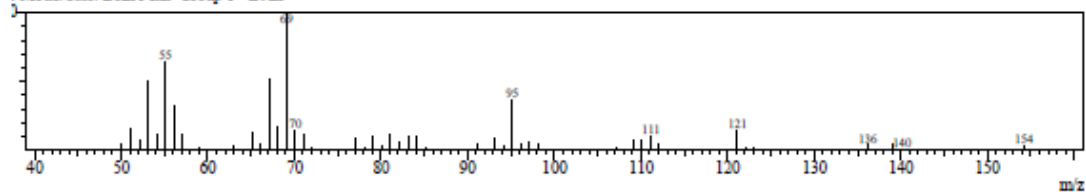
Li
M
R
B
C
10

1e# 7 R Time: 10.483 (Scan#: 69)

155 Peaks: 7

wMode: Averaged 10.475-10.492 (658-660) BasePeak: 69.10 (69%)

1 Mode: Calc. from Peak Group 1 - Event



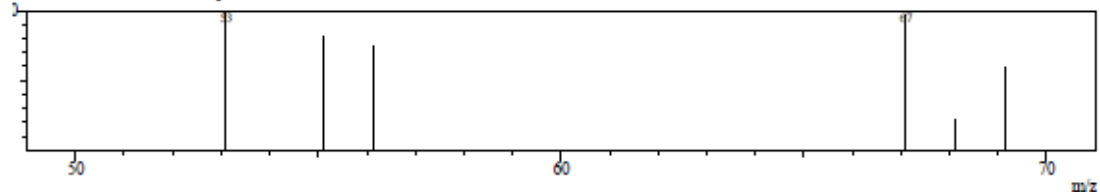
Li
M
R
B
C
10

1e# 9 R Time: 10.650 (Scan#: 67)

155 Peaks: 4

wMode: Averaged 10.642-10.658 (678-680) BasePeak: 53.10 (15)

1 Mode: Calc. from Peak Group 1 - Event



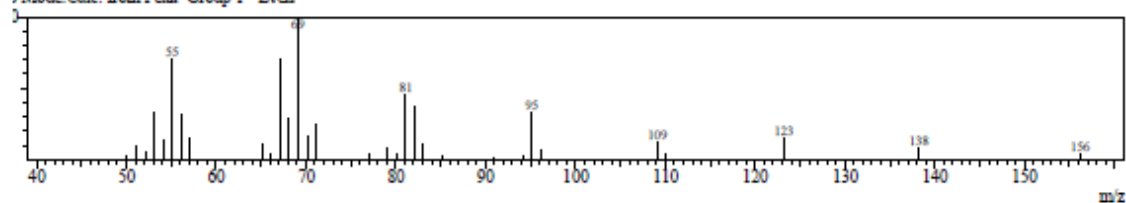
Li
M
R
B
C
10

1e#:11 R.Time:11.517(Scan#:78)

133Peaks:31

wMode:Averaged 11.508-11.525(782-784) BasePeak:69.10(35)

; Mode: Calc. from Peak Group 1 - Even

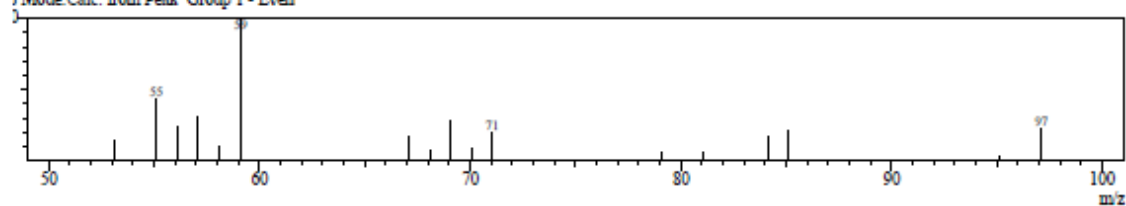
Li
M
R
B
C
10

1e#:13 R.Time:12.033(Scan#:84)

133Peaks:17

wMode:Averaged 12.025-12.042(844-846) BasePeak:59.10(12)

; Mode: Calc. from Peak Group 1 - Even

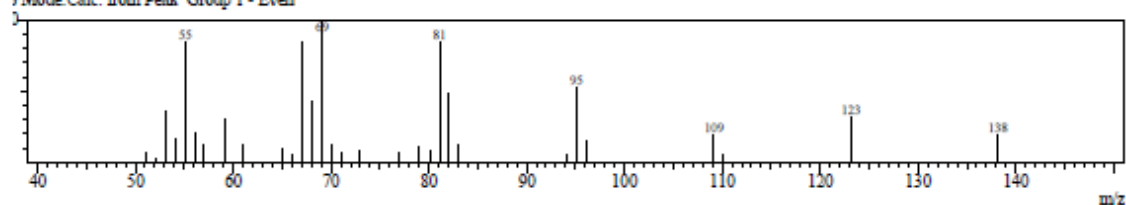
Li
M
R
B
C
10

1e#:15 R.Time:13.350(Scan#:100)

133Peaks:31

wMode:Averaged 13.342-13.358(1002-1004) BasePeak:69.10(24)

; Mode: Calc. from Peak Group 1 - Even

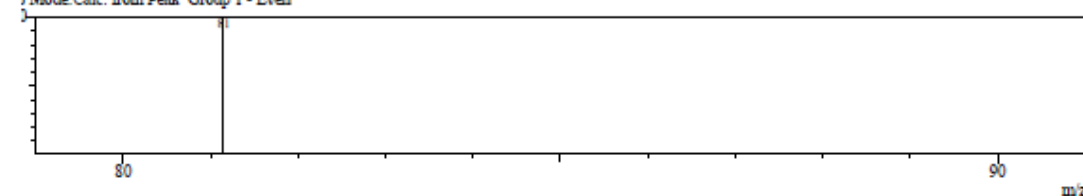
Li
M
R
B
C
10

1e#:17 R.Time:13.550(Scan#:102)

133Peaks:1

wMode:Averaged 13.542-13.558(1026-1028) BasePeak:81.15(11)

; Mode: Calc. from Peak Group 1 - Even

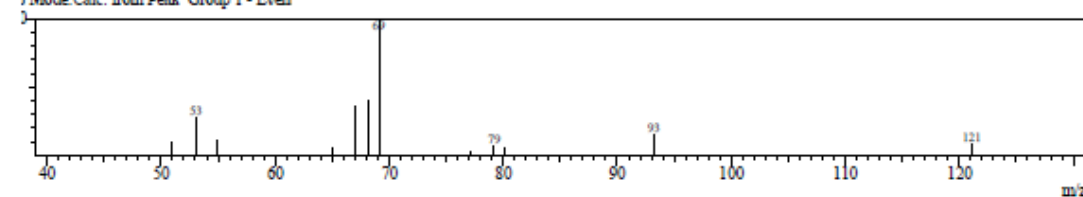
Li
M
R
B
C
10

1e#:19 R.Time:13.783(Scan#:105)

133Peaks:17

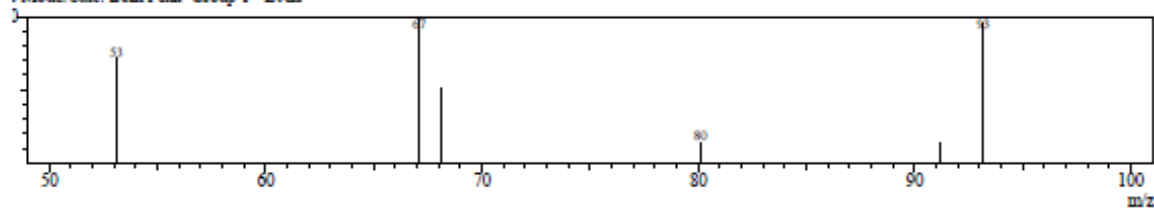
wMode:Averaged 13.775-13.792(1054-1056) BasePeak:69.10(12)

; Mode: Calc. from Peak Group 1 - Even

Li
M
R
B
C
10

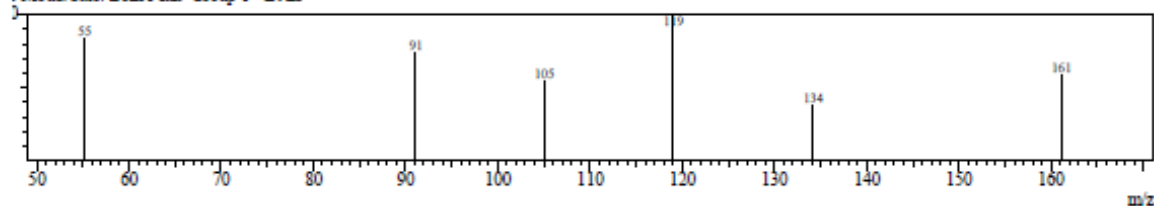
1#:#21 R.Time:15.175(Scan#:122)
 122Peaks:f
 wMode:Averaged 15.167-15.183(1221-1223) BasePeak:67.10(2)
 ; Mode:Calc. from Peak Group 1 - Even

Li
 Mi
 Ra
 BC
 10

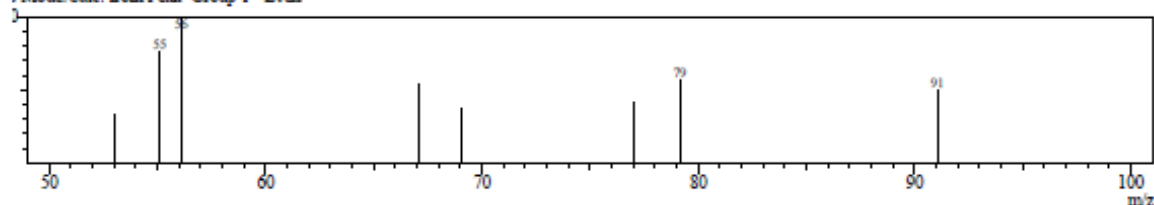


1#:#23 R.Time:15.975(Scan#:131)
 131Peaks:f
 wMode:Averaged 15.967-15.983(1317-1319) BasePeak:119.05(2)
 ; Mode:Calc. from Peak Group 1 - Even

Li
 Mi
 Ra
 BC
 10

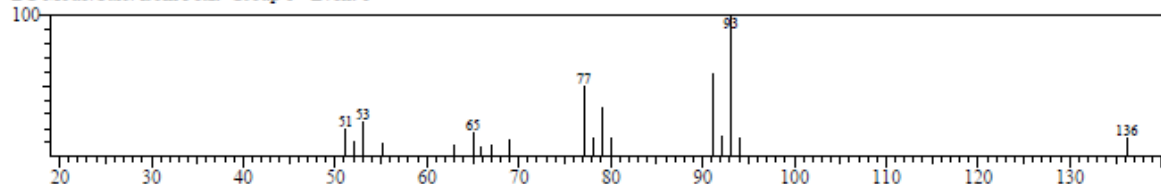


1#:#25 R.Time:16.950(Scan#:143)
 143Peaks:f
 wMode:Averaged 16.942-16.958(1434-1436) BasePeak:56.10(2)
 ; Mode:Calc. from Peak Group 1 - Even

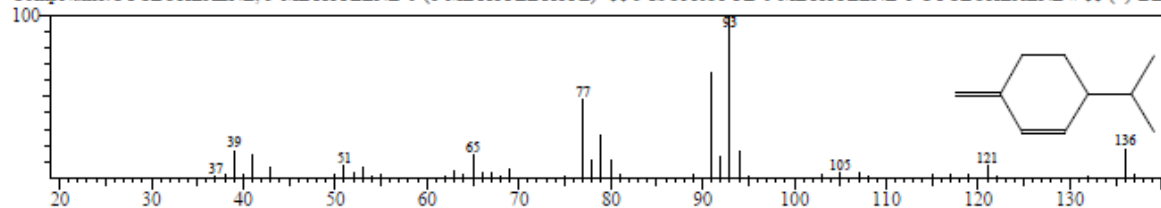


<< Target >>

Line#:1 R.Time:7.408(Scan#:290) MassPeaks:18
 RawMode:Averaged 7.400-7.417(289-291) BasePeak:93.10(17820)
 BG Mode:Calc. from Peak Group 1 - Event 1

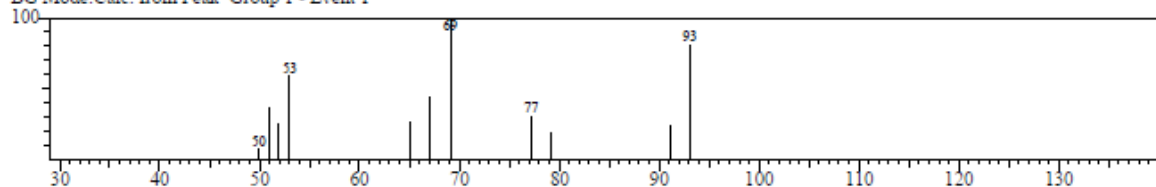


Hit#:3 Entry:28208 Library:WILEYS.LIB
 SI:90 Formula:C10H16 CAS:555-10-2 MolWeight:136 RetIndex:0
 CompName:CYCLOHEXENE, 3-METHYLENE-6-(1-METHYLETHYL)- \$\$\$ 3-ISOPROPYL-6-METHYLENE-1-CYCLOHEXENE # \$\$ (+)-BE1



<< Target >>

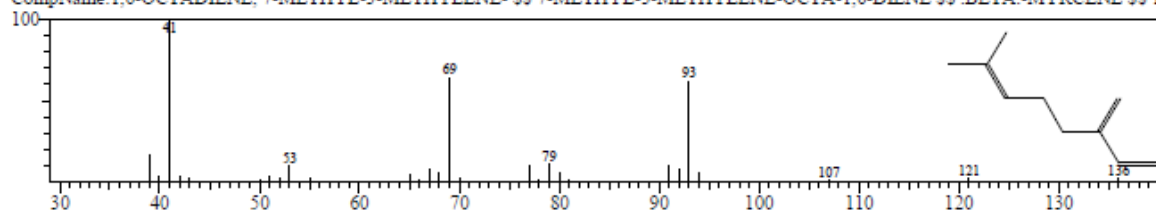
Line#:2 R.Time:7.583(Scan#:311) MassPeaks:11
 RawMode:Averaged 7.575-7.592(310-312) BasePeak:69.10(4793)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:28033 Library:WILEY8.LIB

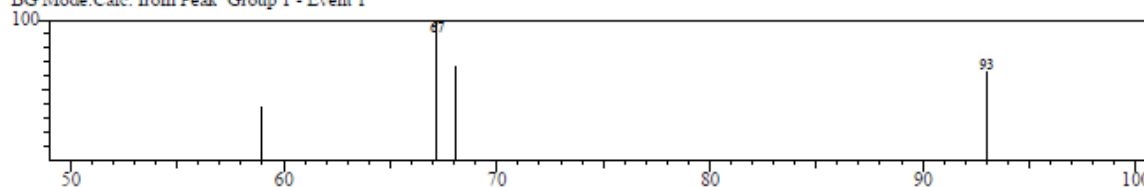
SI:81 Formula:C10H16 CAS:123-35-3 MolWeight:136 RefIndex:0

CompName:1,6-OCTADIENE, 7-METHYL-3-METHYLENE- \$\$ 7-METHYL-3-METHYLENE-OCTA-1,6-DIENE \$\$.BETA.-MYRCENE \$\$ 1,



<< Target >>

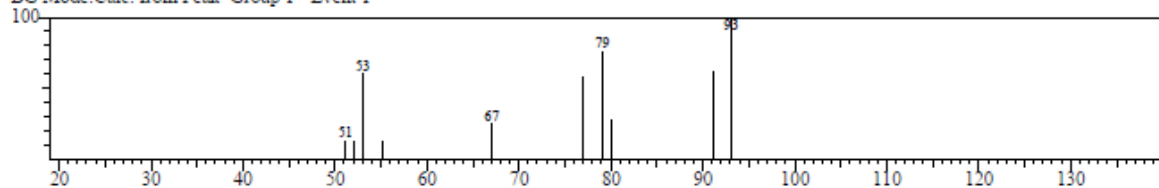
Line#:3 R.Time:8.342(Scan#:402) MassPeaks:4
 RawMode:Averaged 8.333-8.350(401-403) BasePeak:67.20(1150)
 BG Mode:Calc. from Peak Group 1 - Event 1



Library search is not complete

<< Target >>

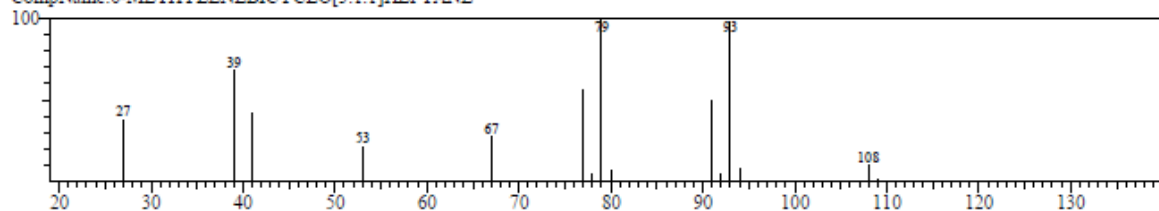
Line#:4 R.Time:8.550(Scan#:427) MassPeaks:10
 RawMode:Averaged 8.542-8.558(426-428) BasePeak:93.10(2763)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:10297 Library:WILEY8.LIB

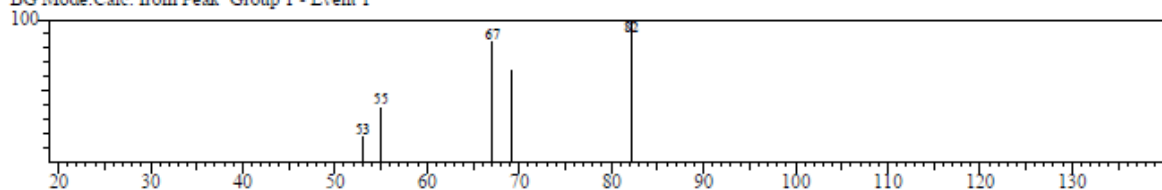
SI:86 Formula:C8H12 CAS:0-00-0 MolWeight:108 RefIndex:0

CompName:6-METHYLENEBICYCLO[3.1.1]HEPTANE

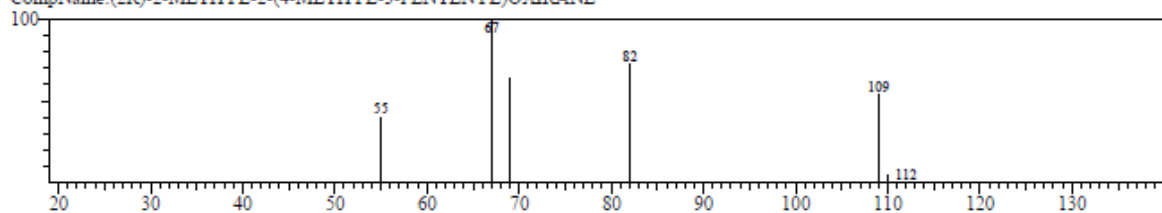


<< Target >>

Line#:5 R.Time:8.675(Scan#:442) MassPeaks:5
 RawMode:Averaged 8.667-8.683(441-443) BasePeak:82.20(2076)
 BG Mode:Calc. from Peak Group 1 - Event 1

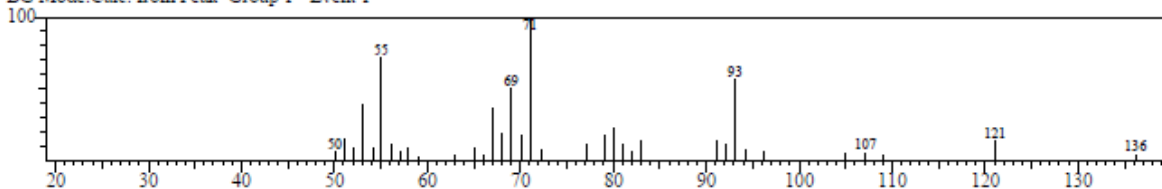


Hit#:1 Entry:32013 Library:WILEYS.LIB
 SI:85 Formula:C9H16O CAS:0-00-0 MolWeight:140 RetIndex:0
 CompName:(2R)-2-METHYL-2-(4-METHYL-3-PENTENYL)OXIRANE

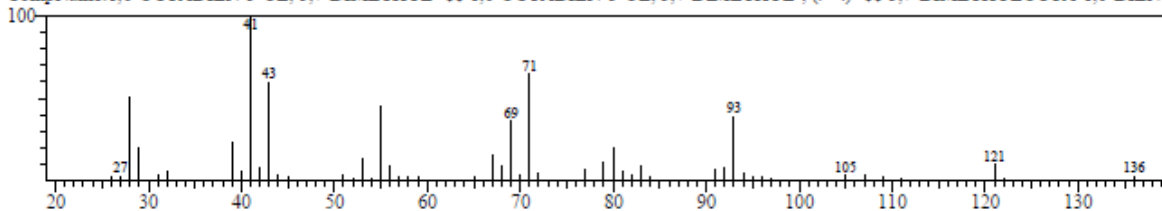


<< Target >>

Line#:6 R.Time:9.450(Scan#:535) MassPeaks:35
 RawMode:Averaged 9.442-9.458(534-536) BasePeak:71.05(31598)
 BG Mode:Calc. from Peak Group 1 - Event 1

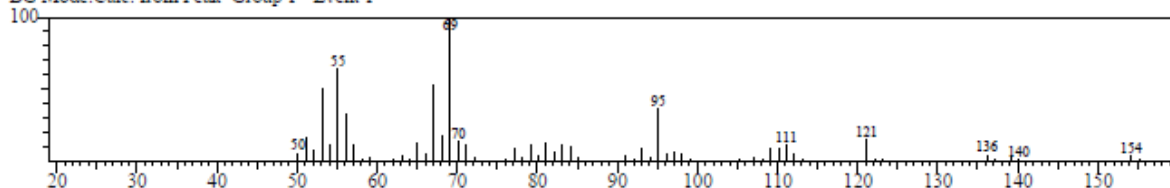


Hit#:1 Entry:46524 Library:WILEYS.LIB
 SI:93 Formula:C10H18O CAS:22564-99-4 MolWeight:154 RetIndex:0
 CompName:1,6-OCTADIEN-3-OL, 3,7-DIMETHYL- \$\$ 1,6-OCTADIEN-3-OL, 3,7-DIMETHYL-, (-,+)- \$\$ 3,7-DIMETHYLOCTA-1,6-DIEN-3-

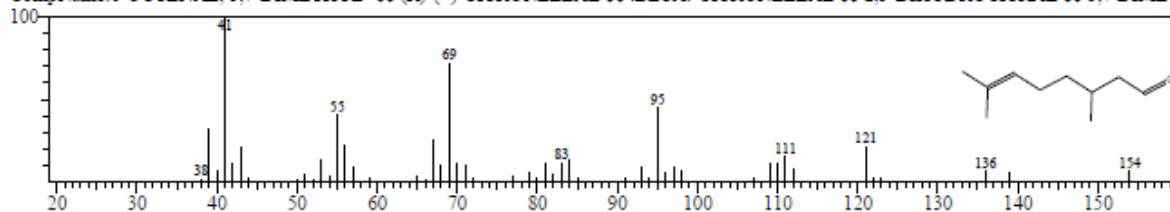


<< Target >>

Line#:7 R.Time:10.483(Scan#:659) MassPeaks:73
 RawMode:Averaged 10.475-10.492(658-660) BasePeak:69.10(695287)
 BG Mode:Calc. from Peak Group 1 - Event 1

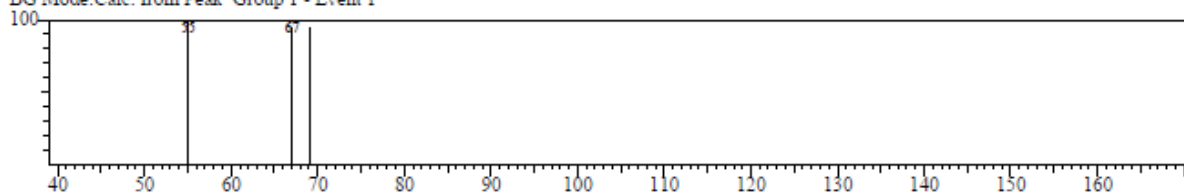


Hit#:1 Entry:46458 Library:WILEYS.LIB
 SI:90 Formula:C10H18O CAS:106-23-0 MolWeight:154 RetIndex:0
 CompName:6-OCTENAL, 3,7-DIMETHYL- \$\$ (R)-(+)-CITRONELLAL \$\$ BETA.-CITRONELLAL \$\$ 2,3-DIHYDROCITRAL \$\$ 3,7 DIMETHYL



<< Target >>

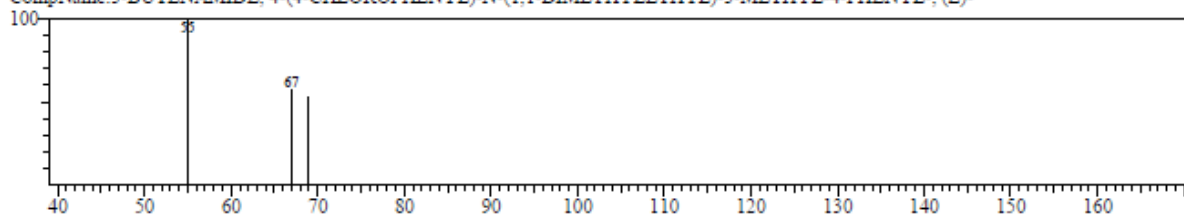
Line#:8 R.Time:10.600(Scan#:673) MassPeaks:3
 RawMode:Averaged 10.592-10.608(672-674) BasePeak:55.05(761)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:286161 Library:WILEY8.LIB

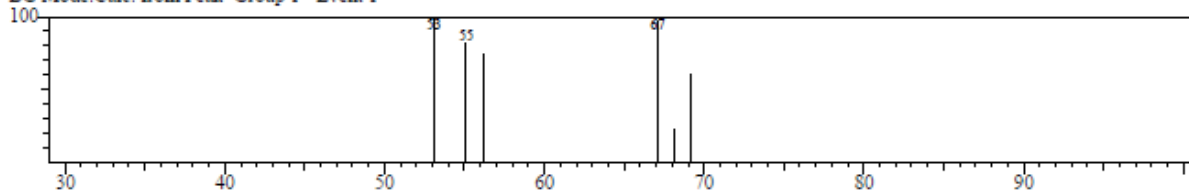
SI:92 Formula:C21H24ClNO CAS:115797-36-9 MolWeight:341 RefIndex:0

CompName:3-BUTENAMIDE, 4-(4-CHLOROPHENYL)-N-(1,1-DIMETHYLETHYL)-3-METHYL-4-PHENYL-, (Z)-



<< Target >>

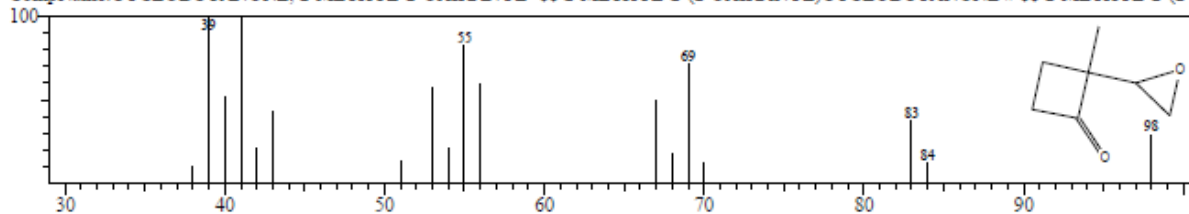
Line#:9 R.Time:10.650(Scan#:679) MassPeaks:6
 RawMode:Averaged 10.642-10.658(678-680) BasePeak:53.10(1525)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:19939 Library:WILEY8.LIB

SI:80 Formula:C7H10O2 CAS:75314-19-1 MolWeight:126 RefIndex:0

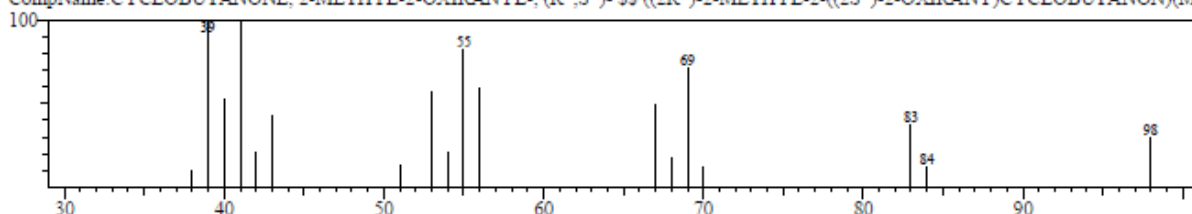
CompName:CYCLOBUTANONE, 2-METHYL-2-OXIRANYL- \$\$ 2-METHYL-2-(2-OXIRANYL)CYCLOBUTANONE # \$\$ 2-METHYL-2-(2-OXIRANYL)CYCLOBUTANONE



Hit#:2 Entry:19938 Library:WILEY8.LIB

SI:80 Formula:C7H10O2 CAS:68034-46-8 MolWeight:126 RefIndex:0

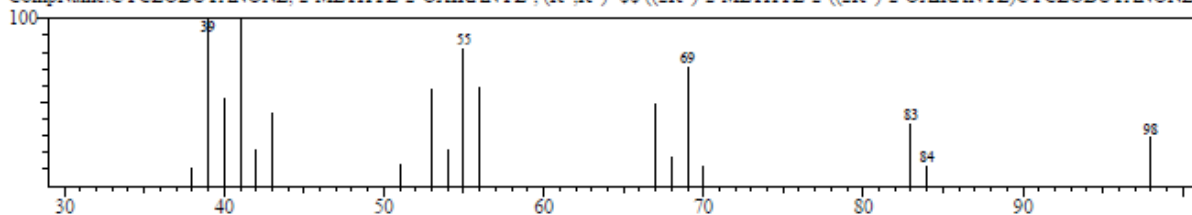
CompName:CYCLOBUTANONE, 2-METHYL-2-OXIRANYL-, (R*,S*)- \$\$ ((2R*)-2-METHYL-2-((2S*)-2-OXIRANYL)CYCLOBUTANONE)(M



Hit#:3 Entry:19937 Library:WILEY8.LIB

SI:80 Formula:C7H10O2 CAS:68034-47-9 MolWeight:126 RefIndex:0

CompName:CYCLOBUTANONE, 2-METHYL-2-OXIRANYL-, (R*,R*)- \$\$ ((2R*)-2-METHYL-2-((2R*)-2-OXIRANYL)CYCLOBUTANONE)

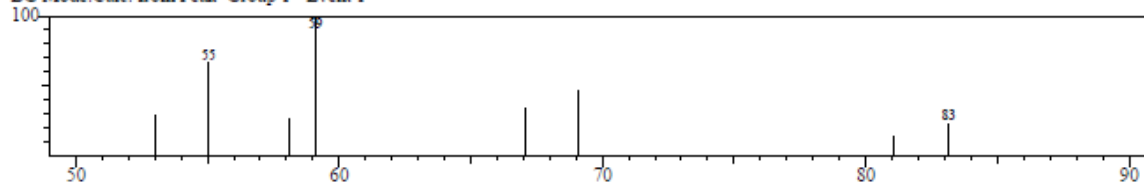


<< Target >>

Line#:10 R.Time:11.383(Scan#:767) MassPeaks:8

RawMode:Averaged 11.375-11.392(766-768) BasePeak:59.10(5786)

BG Mode:Calc. from Peak Group 1 - Event 1



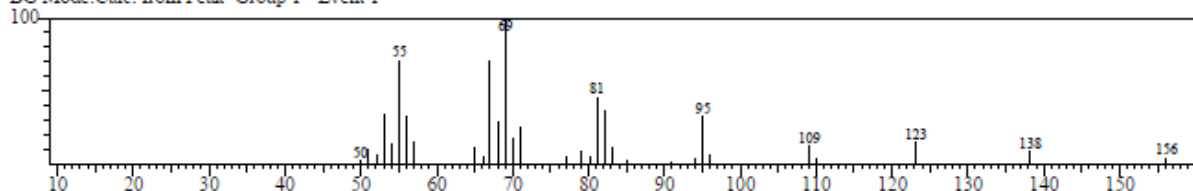
Library search is not complete

<< Target >>

Line#:11 R.Time:11.517(Scan#:783) MassPeaks:31

RawMode:Averaged 11.508-11.525(782-784) BasePeak:69.10(35837)

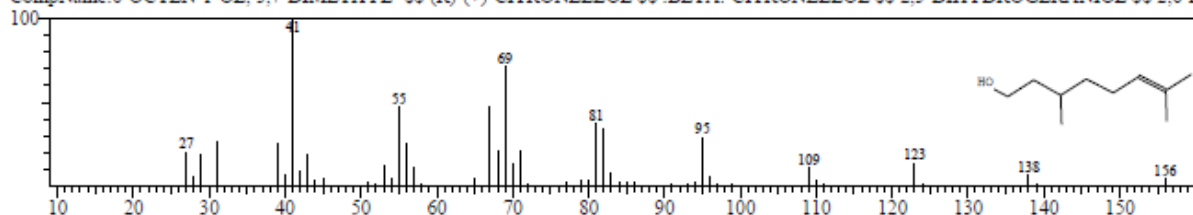
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:49473 Library:WILEY8.LIB

SI:94 Formula:C10H20O CAS:106-22-9 MolWeight:156 RetIndex:0

CompName:6-OCTEN-1-OL, 3,7-DIMETHYL- (R)-(+)-CITRONELLOL (R)-(+)-CITRONELLOL BETA-CITRONELLOL 2,3-DIHYDROGERANIOL 2,6-D

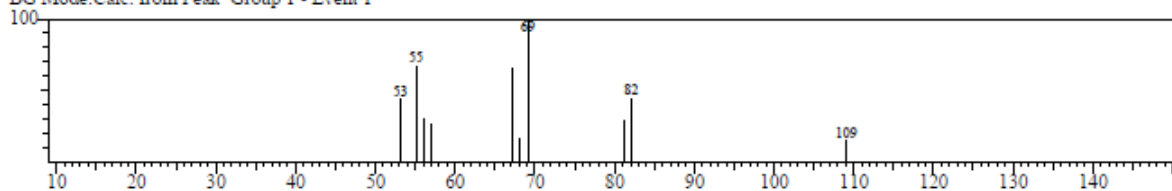


<< Target >>

Line#:12 R.Time:11.808(Scan#:818) MassPeaks:10

RawMode:Averaged 11.800-11.817(817-819) BasePeak:69.10(4744)

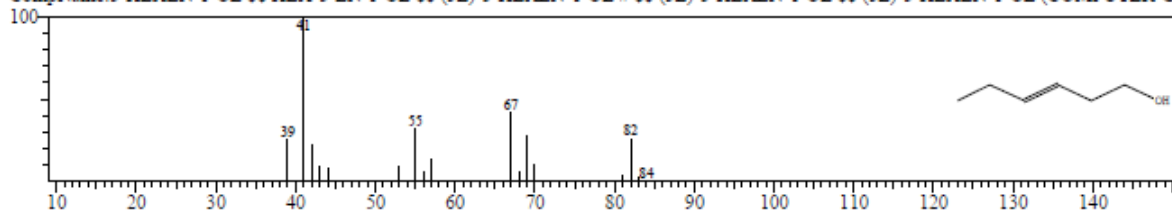
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:7465 Library:WILEY8.LIB

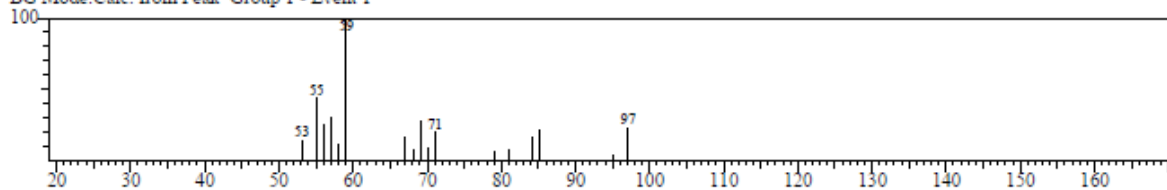
SI:85 Formula:C6H12O CAS:544-12-7 MolWeight:100 RetIndex:0

CompName:3-HEXEN-1-OL (E)-HEX-3-EN-1-OL (3E)-3-HEXEN-1-OL (E)-3-HEXEN-1-OL (3E)-3-HEXEN-1-OL (COMPUTER-G

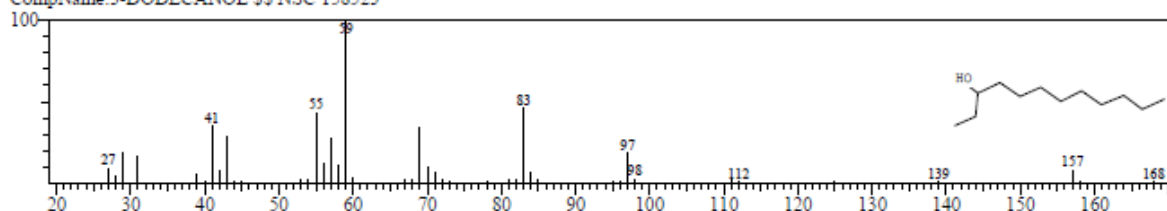


<< Target >>

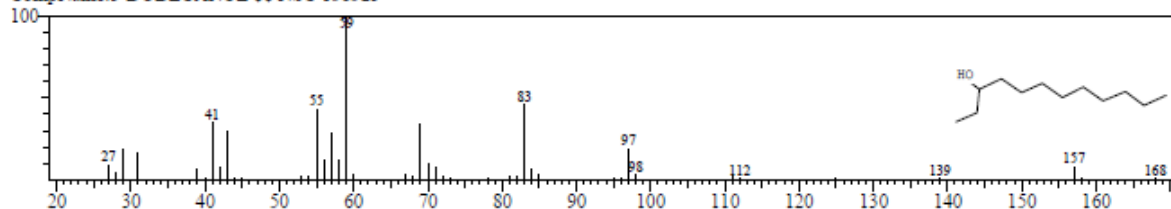
Line#:13 R.Time:12.033(Scan#:845) MassPeaks:17
 RawMode:Averaged 12.025-12.042(844-846) BasePeak:59.10(12661)
 BG Mode:Calc. from Peak Group 1 - Event 1



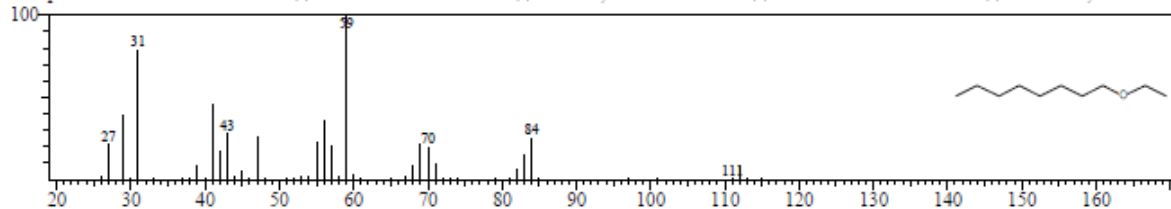
Hit#:1 Entry:85861 Library:WILEY8.LIB
 SI:82 Formula:C12H26O CAS:10203-30-2 MolWeight:186 RetIndex:0
 CompName:3-DODECANOL \$\$ NSC 158523



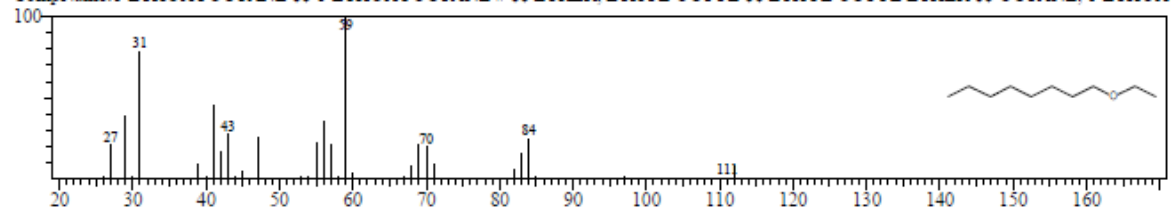
Hit#:2 Entry:85819 Library:WILEY8.LIB
 SI:82 Formula:C12H26O CAS:10203-30-2 MolWeight:186 RetIndex:0
 CompName:3-DODECANOL \$\$ NSC 158523



Hit#:3 Entry:51604 Library:WILEY8.LIB
 SI:82 Formula:C10H22O CAS:929-61-3 MolWeight:158 RetIndex:0
 CompName:1-ETHOXYOCTANE \$\$ 1-ETHOXYOCTANE # \$\$ ETHER, ETHYL OCTYL \$\$ ETHYL OCTYL ETHER \$\$ OCTANE, 1-ETHOXY-



Hit#:4 Entry:51640 Library:WILEY8.LIB
 SI:82 Formula:C10H22O CAS:929-61-3 MolWeight:158 RetIndex:0
 CompName:1-ETHOXYOCTANE \$\$ 1-ETHOXYOCTANE # \$\$ ETHER, ETHYL OCTYL \$\$ ETHYL OCTYL ETHER \$\$ OCTANE, 1-ETHOXY-

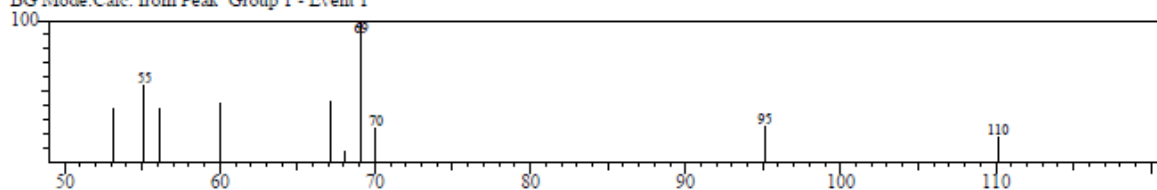


<< Target >>

Line#:14 R.Time:12.775(Scan#:934) MassPeaks:10

RawMode:Averaged 12.767-12.783(933-935) BasePeak:69.10(4955)

BG Mode:Calc. from Peak Group 1 - Event 1



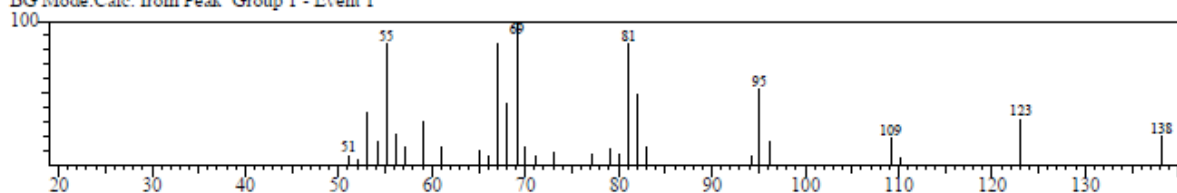
Library search is not complete

<< Target >>

Line#:15 R.Time:13.350(Scan#:1003) MassPeaks:30

RawMode:Averaged 13.342-13.358(1002-1004) BasePeak:69.10(24772)

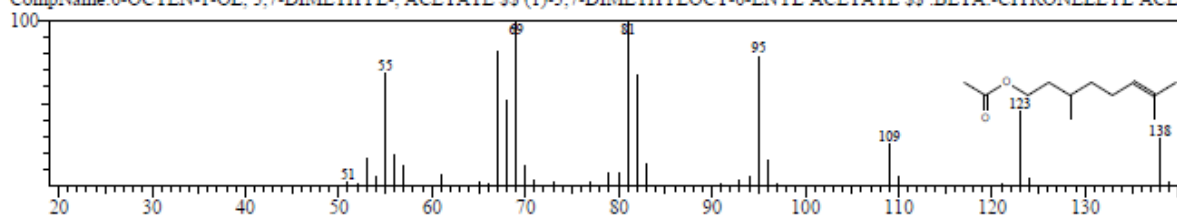
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:101422 Library:WILEY8.LIB

SI:91 Formula:C12H22O2 CAS:150-84-5 MolWeight:198 RefIndex:0

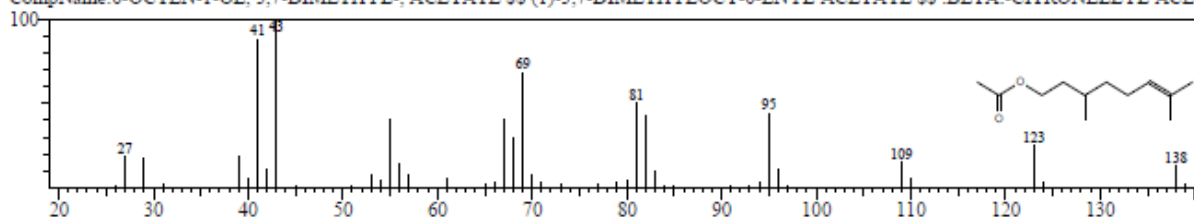
CompName:6-OCTEN-1-OL, 3,7-DIMETHYL-, ACETATE \$\$ (1)-3,7-DIMETHYLOCT-6-ENYL ACETATE \$\$.BETA.-CITRONELLYL ACET



Hit#:2 Entry:101420 Library:WILEY8.LIB

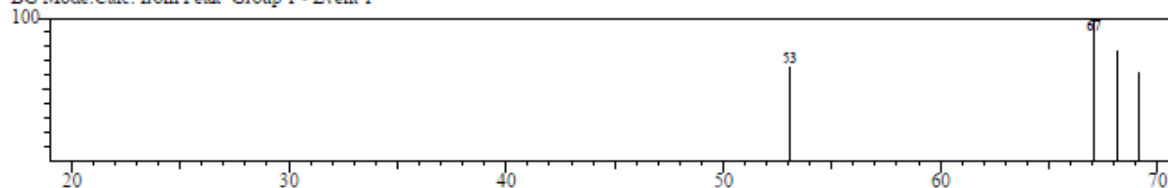
SI:91 Formula:C12H22O2 CAS:150-84-5 MolWeight:198 RefIndex:0

CompName:6-OCTEN-1-OL, 3,7-DIMETHYL-, ACETATE \$\$ (1)-3,7-DIMETHYLOCT-6-ENYL ACETATE \$\$.BETA.-CITRONELLYL ACET



<< Target >>

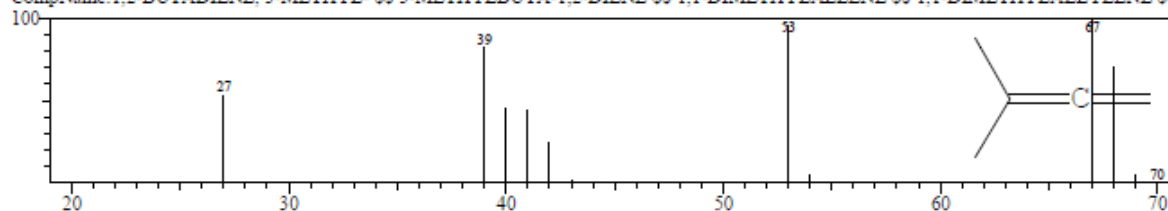
Line#:16 R.Time:13.517(Scan#:1023) MassPeaks:4
 RawMode:Averaged 13.508-13.525(1022-1024) BasePeak:67.05(1078)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:1061 Library:WILEY8.LIB

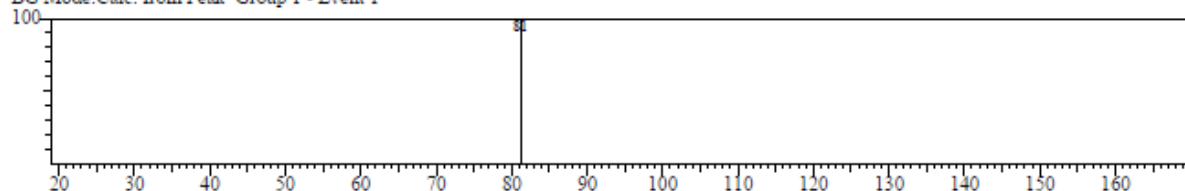
SI:91 Formula:C5H8 CAS:598-25-4 MolWeight:68 RetIndex:0

CompName:1,2-BUTADIENE, 3-METHYL- \$\$ 3-METHYLBUTA-1,2-DIENE \$\$ 1,1-DIMETHYLLALLENE \$\$ 1,1-DIMETHYLLALLYLENE \$\$



<< Target >>

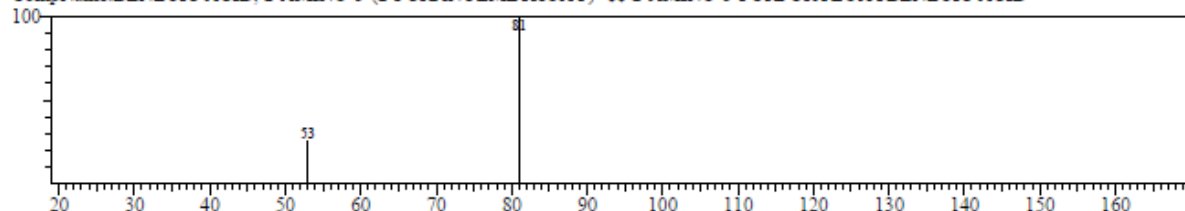
Line#:17 R.Time:13.550(Scan#:1027) MassPeaks:1
 RawMode:Averaged 13.542-13.558(1026-1028) BasePeak:81.15(1175)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:150678 Library:WILEY8.LIB

SI:100 Formula:C12H11NO4 CAS:105918-53-4 MolWeight:233 RetIndex:0

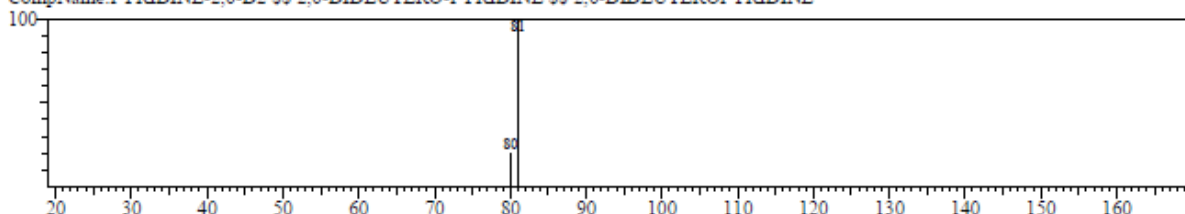
CompName:BENZOIC ACID, 2-AMINO-3-(2-FURANYLMETHOXY)- \$\$ 2-AMINO-3-FURFURYLOXYBENZOIC ACID



Hit#:2 Entry:2438 Library:WILEY8.LIB

SI:100 Formula:C5H3D2N CAS:17265-96-2 MolWeight:81 RetIndex:0

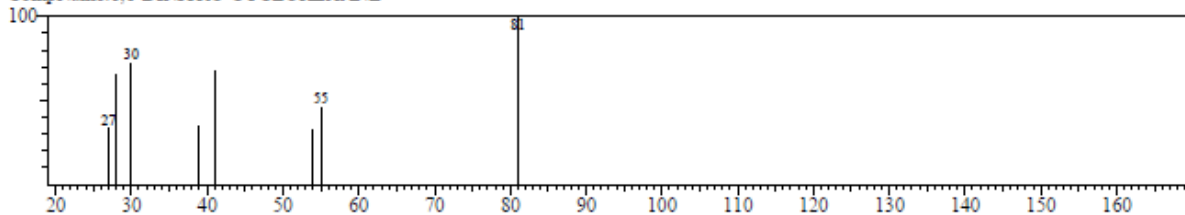
CompName:PYRIDINE-2,6-D2 \$\$ 2,6-DIDEUTERO-PYRIDINE \$\$ 2,6-DIDEUTEROPYRIDINE



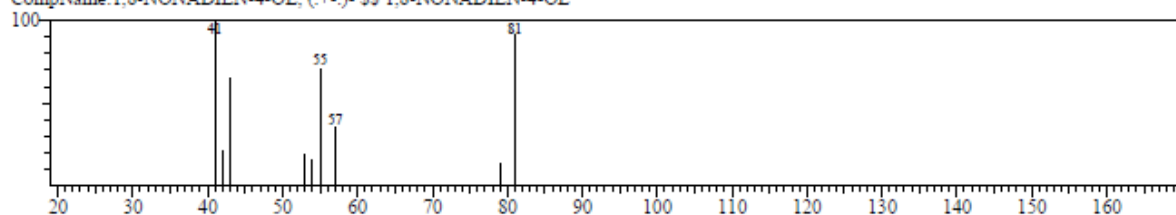
Hit#:3 Entry:69375 Library:WILEY8.LIB

SI:100 Formula:C6H10N2O4 CAS:0-00-0 MolWeight:174 RetIndex:0

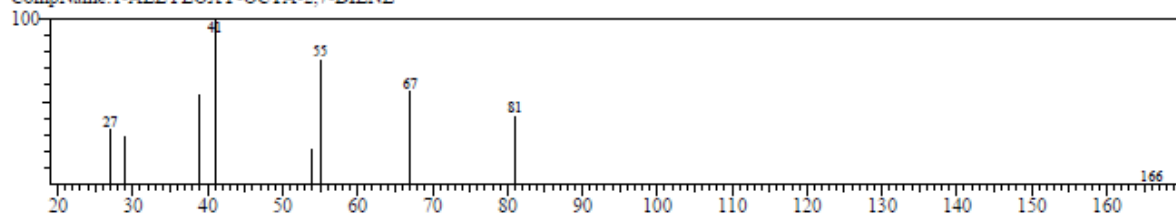
CompName:1,1-DINITRO-CYCLOHEXANE



Hit#:4 Entry:31978 Library:WILEY8.LIB
 SI:100 Formula:C9H16O CAS:121231-50-3 MolWeight:140 RetIndex:0
 CompName:1,8-NONADIEN-4-OL, (+-)- \$\$ 1,8-NONADIEN-4-OL

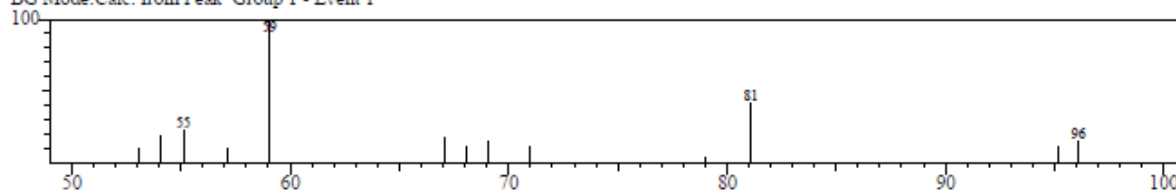


Hit#:5 Entry:60330 Library:WILEY8.LIB
 SI:100 Formula:C11H18O CAS:60320-25-4 MolWeight:166 RetIndex:0
 CompName:1-ALLYLOXY-OCTA-2,7-DIENE



<< Target >>

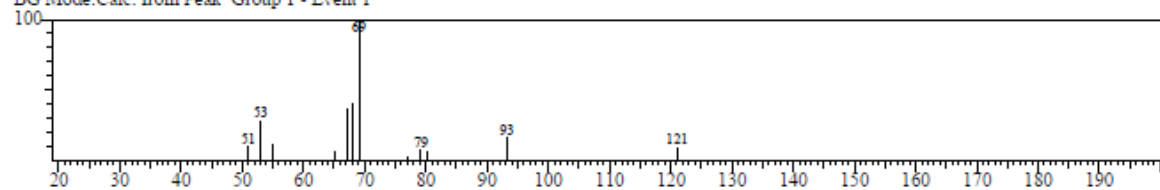
Line#:18 R.Time:13.642(Scan#:1038) MassPeaks:13
 RawMode:Averaged 13.633-13.650(1037-1039) BasePeak:59.05(11911)
 BG Mode:Calc. from Peak Group 1 - Event 1



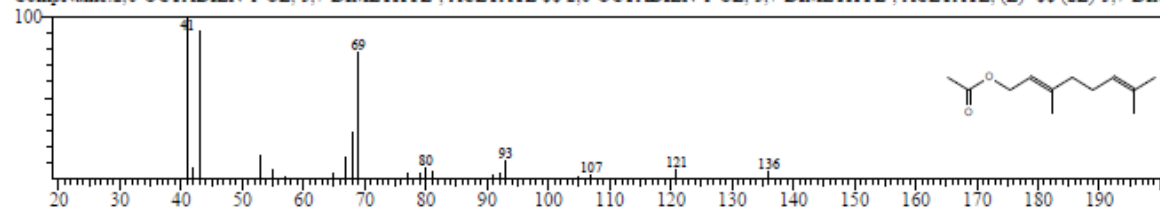
Library search is not complete

<< Target >>

Line#:19 R.Time:13.783(Scan#:1055) MassPeaks:12
 RawMode:Averaged 13.775-13.792(1054-1056) BasePeak:69.10(12757)
 BG Mode:Calc. from Peak Group 1 - Event 1

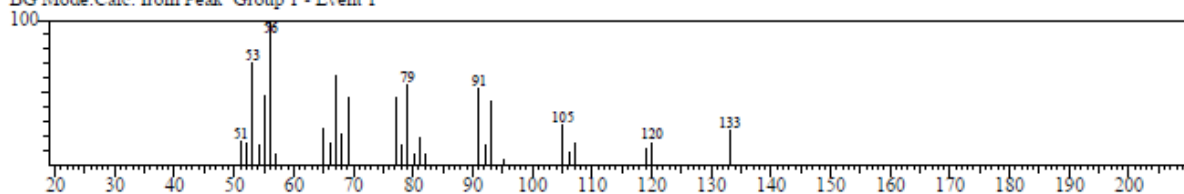


Hit#:1 Entry:98457 Library:WILEY8.LIB
 SI:89 Formula:C12H20O2 CAS:105-87-3 MolWeight:196 RetIndex:0
 CompName:2,6-OCTADIEN-1-OL, 3,7-DIMETHYL-, ACETATE (E)- \$\$ (2E)-3,7-DIMETHYL-2,6-OCTADIEN-1-OL, 3,7-DIMETHYL-, ACETATE (E)-

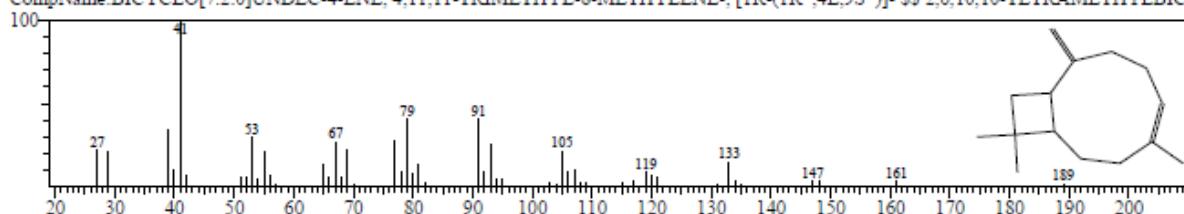


<< Target >>

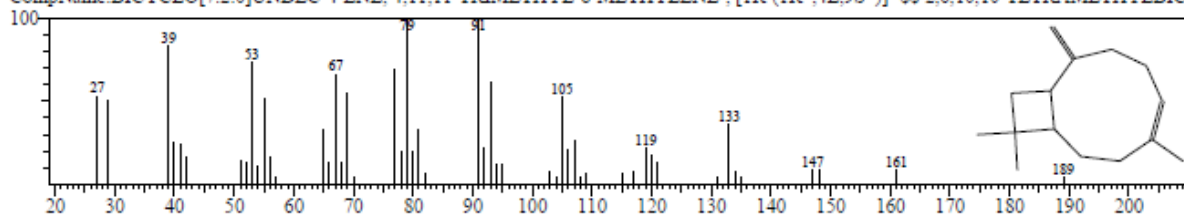
Line#:20 R.Time:14.700(Scan#:1165) MassPeaks:28
 RawMode:Averaged 14.692-14.708(1164-1166) BasePeak:56.10(9718)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:109820 Library:WILEY8.LIB
 SI:84 Formula:C15H24 CAS:87-44-5 MolWeight:204 RetIndex:0
 CompName:BICYCLO[7.2.0]UNDEC-4-ENE, 4,11,11-TRIMETHYL-8-METHYLENE-, [1R-(1R*,4E,9S*)]-\$\$ 2,6,10,10-TETRAMETHYLBIC

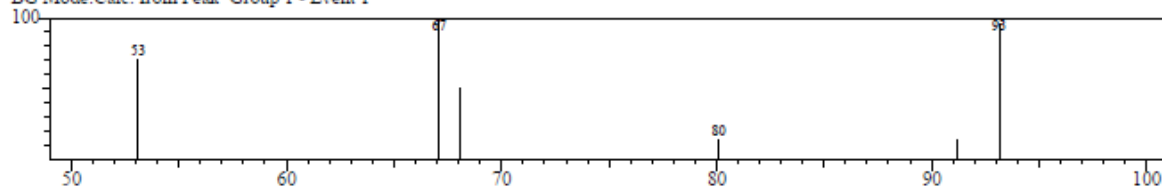


Hit#:2 Entry:109825 Library:WILEY8.LIB
 SI:84 Formula:C15H24 CAS:87-44-5 MolWeight:204 RetIndex:0
 CompName:BICYCLO[7.2.0]UNDEC-4-ENE, 4,11,11-TRIMETHYL-8-METHYLENE-, [1R-(1R*,4E,9S*)]-\$\$ 2,6,10,10-TETRAMETHYLBIC



<< Target >>

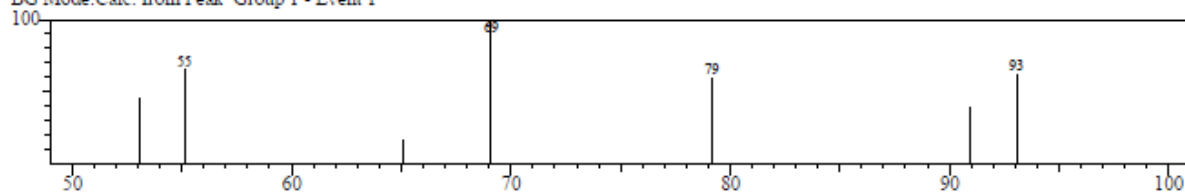
Line#:21 R.Time:15.175(Scan#:1222) MassPeaks:6
 RawMode:Averaged 15.167-15.183(1221-1223) BasePeak:67.10(2578)
 BG Mode:Calc. from Peak Group 1 - Event 1



Library search is not complete

<< Target >>

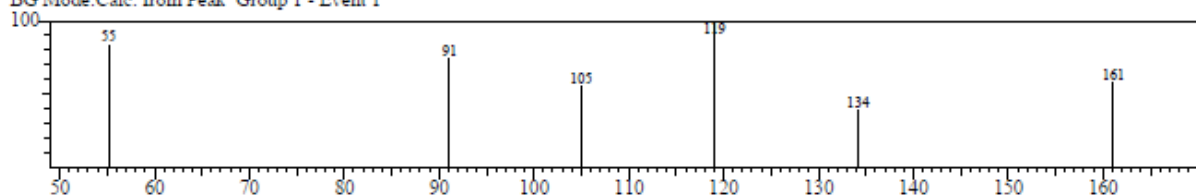
Line#:22 R.Time:15.550(Scan#:1267) MassPeaks:7
 RawMode:Averaged 15.542-15.558(1266-1268) BasePeak:69.10(2024)
 BG Mode:Calc. from Peak Group 1 - Event 1



Library search is not complete

<< Target >>

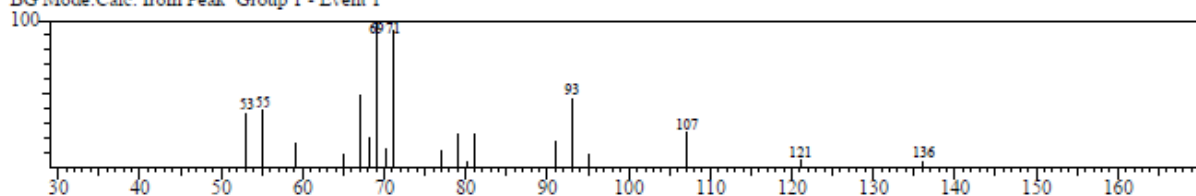
Line#:23 R.Time:15.975(Scan#:1318) MassPeaks:6
 RawMode:Averaged 15.967-15.983(1317-1319) BasePeak:119.05(2255)
 BG Mode:Calc. from Peak Group 1 - Event 1



Library search is not complete

<< Target >>

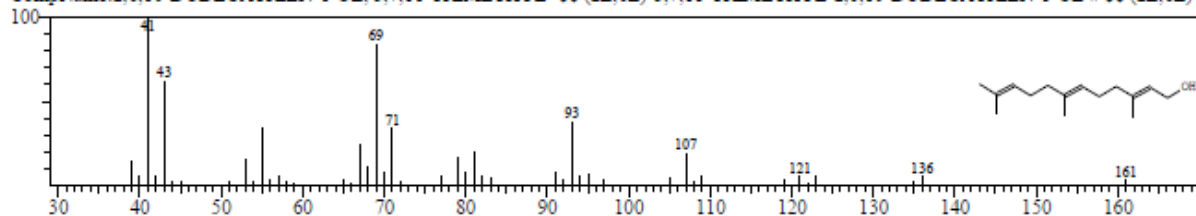
Line#:24 R.Time:16.308(Scan#:1358) MassPeaks:19
 RawMode:Averaged 16.300-16.317(1357-1359) BasePeak:69.05(9462)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:135960 Library:WILEY8.LIB

SI:85 Formula:C15H26O CAS:4602-84-0 MolWeight:222 RetIndex:0

CompName:2,6,10-DODECATRIEN-1-OL, 3,7,11-TRIMETHYL- \$\$ (2E,6E)-3,7,11-TRIMETHYL-2,6,10-DODECATRIEN-1-OL # \$\$ (2E,6E)-3

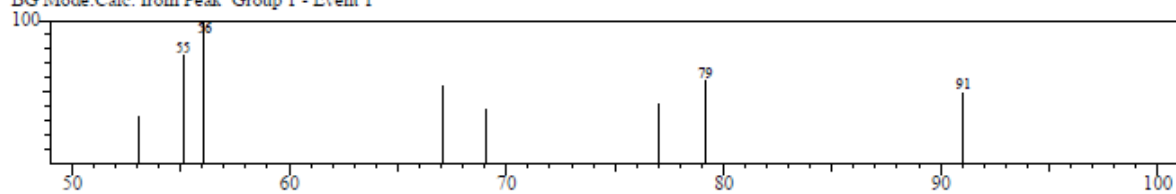


<< Target >>

Line#:25 R.Time:16.950(Scan#:1435) MassPeaks:8

RawMode:Averaged 16.942-16.958(1434-1436) BasePeak:56.10(2948)

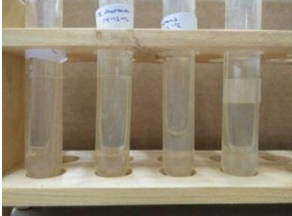

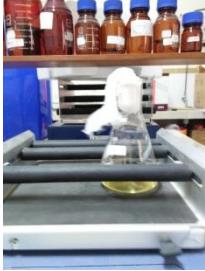


BG Mode:Calc. from Peak Group 1 - Event 1







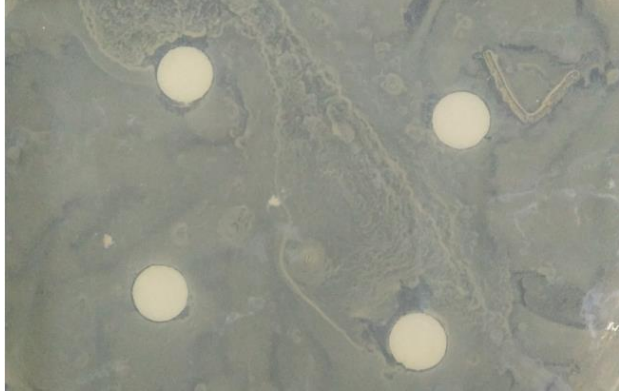
Library search is not complete

LAMPIRAN 3
DOKUMENTASI PENELITIAN

Tabel 1. Dokumentasi Penelitian

No	Gambar	Kegiatan
1.		Perbanyakkan bakteri <i>Staphylococcus aureus</i>
2.		Pembuatan media broth
3.		Proses pembuatan suspensi <i>Staphylococcus aureus</i>
4.	 Sampel G:H(1:0)	Penentuan komposisi cairan pembersih lantai
	 Sampel G:H(0:1)	

Tabel 1. Dokumentasi Penelitian (lanjutan)

No	Gambar	Kegiatan
	 <p data-bbox="533 551 761 584">Sampel G:H(1:1)</p>	Penentuan komposisi cairan pembersih lantai
	 <p data-bbox="533 853 761 887">Sampel G:H(2:1)</p>	
	 <p data-bbox="533 1158 761 1191">Sampel G:H(1:2)</p>	
	 <p data-bbox="533 1485 761 1518">Sampel G:H(1:3)</p>	
5.		Uji antimikroba dengan metode <i>disc diffusion</i>