

Lampiran 6 Hasil Uji Kromatografi Gas Sempel Bawang Bombay

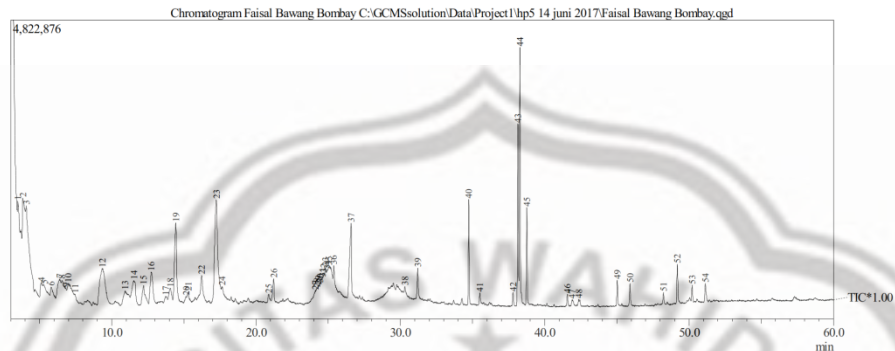
C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faisal Bawang Bombay.qgd

10/20/2017

Lab.Kimia Organik FMIPA - UGM

Sample Information

Analyzed by : Admin
 Sample Name : Faisal Bawang Bombay
 Sample ID :
 Data File : C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Faisal Bawang Bombay.qgd
 Method File : C:\GCMSsolution\Data\Project1\hp5 14 juni 2017\Organik baru spl06 2017.qgm
 Tuning File : C:\GCMSsolution\System1\Tune\10ktob6 2017b.qgt



Peak#	R.Time	L.Time	F.Time	Area	Area%	Height
1	3.498	3.458	3.625	1468676	0.64	250726
2	3.839	3.775	4.000	8151627	3.53	718236
3	4.083	4.000	4.617	13171353	5.70	842739
4	5.116	4.983	5.192	1745642	0.76	213075
5	5.317	5.192	5.517	1903591	0.82	140904
6	5.805	5.717	6.025	1300875	0.56	142984
7	6.381	6.125	6.492	4829355	2.09	321421
8	6.551	6.492	6.742	3922566	1.70	311083
9	6.817	6.742	6.850	1255837	0.54	195314
10	6.986	6.850	7.400	6739564	2.92	280789
11	7.467	7.400	7.667	1030483	0.45	129286
12	9.360	9.000	9.858	15222940	6.59	584765
13	10.934	10.700	11.050	1288272	0.56	107588
14	11.544	11.300	11.825	4751798	2.06	311823
15	12.202	11.967	12.558	4475681	1.94	314173
16	12.734	12.558	13.067	6745209	2.92	511270
17	13.726	13.575	13.883	1172930	0.51	102814
18	14.065	13.883	14.242	2926750	1.27	229896
19	14.434	14.242	14.708	13197070	5.71	1272651
20	15.142	15.008	15.233	805490	0.35	96211
21	15.293	15.233	15.525	1240890	0.54	161089
22	16.224	16.083	16.525	3767276	1.63	384104
23	17.243	16.917	17.583	25437743	11.01	1638396
24	17.642	17.583	17.908	1898488	0.82	203026
25	20.866	20.767	21.042	1108384	0.48	137205
26	21.219	21.042	21.358	2610085	1.13	380125
27	24.100	23.967	24.142	1152830	0.50	144890
28	24.208	24.158	24.250	923046	0.40	179433
29	24.300	24.250	24.350	1196075	0.52	214651
30	24.408	24.350	24.425	1025631	0.44	231220
31	24.592	24.425	24.617	3215576	1.39	313737
32	24.692	24.617	24.717	2070304	0.90	379447
33	24.807	24.717	24.858	3487381	1.51	474246
34	24.917	24.875	24.992	2878922	1.25	418217
35	25.047	24.992	25.317	7882645	3.41	467076
36	25.385	25.317	25.692	3593989	1.56	455304
37	26.583	26.308	26.858	11125372	4.81	1195220
38	30.309	30.217	30.508	640846	0.28	116377
39	31.204	31.042	31.375	2607054	1.13	494045
40	34.740	34.617	34.858	6597486	2.85	1700985
41	35.503	35.383	35.600	951508	0.41	180312
42	37.805	37.717	37.908	968028	0.42	219033
43	38.145	38.017	38.208	12310139	5.33	2933220
44	38.278	38.208	38.467	17458617	7.55	4146940
45	38.760	38.658	38.883	6143365	2.66	1563989
46	41.569	41.475	41.683	922815	0.40	195987
47	41.903	41.817	42.058	768976	0.33	95654
48	42.356	42.275	42.558	837436	0.36	106906
49	45.026	44.917	45.192	1867425	0.81	415262
50	45.913	45.767	46.042	1691826	0.73	358717
51	48.224	48.142	48.342	826759	0.36	192825
52	49.189	49.083	49.325	2870916	1.24	621765
53	50.212	50.142	50.317	1163576	0.50	271442
54	51.130	51.017	51.267	1750568	0.76	299694
				231107686	100.00	28368287

Lampiran 7 Hasil Spektrometri Massa Sampel Bawang Bombay

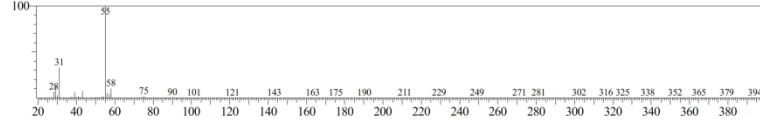
Library

<< Target >>

Line#:1 R.Time:3.500(Scan#:37) MassPeaks:197

RawMode:Averaged 3.492-3.508(36-38) BasePeak:55.10(119365)

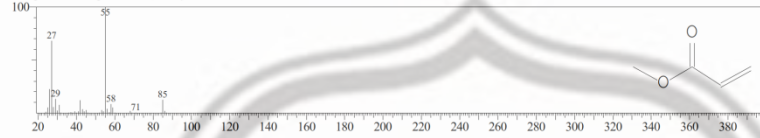
BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:565 Library:NIST12.LIB

SI:87 Formula:C4H6O2 CAS:96-33-3 MolWeight:86 RetIndex:0

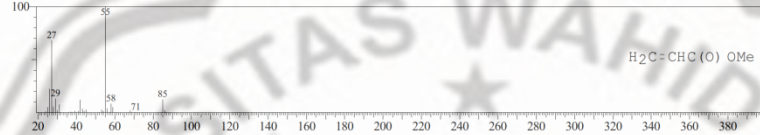
CompName:2-Propenoic acid, methyl ester



Hit#:2 Entry:2585 Library:WILEY229.LIB

SI:87 Formula:C4H6O2 CAS:96-33-3 MolWeight:86 RetIndex:0

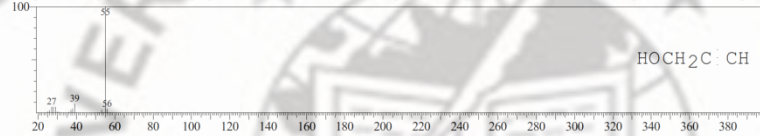
CompName:2-Propenoic acid, methyl ester (CAS) Methyl acrylate SS Methyl propenoate SS Methyl 2-propenoate SS Methoxycarbonylethylene SS Acrylic acid methyl ester SS 2-Propenoic acid methyl ester SS



Hit#:3 Entry:363 Library:WILEY229.LIB

SI:86 Formula:C3H4O CAS:107-19-7 MolWeight:56 RetIndex:0

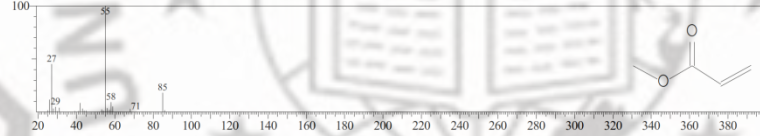
CompName:2-Propyn-1-ol (CAS) Propargyl alcohol SS PROP-2-YNOL SS 2-Propynol SS 1-Propyn-3-ol SS Ethynylcarbinol SS Propynyl alcohol SS 2-Propynyl alcohol SS 1-Hydroxy-2-propyne SS 3-Hydroxy-1-



Hit#:4 Entry:658 Library:NIST62.LIB

SI:84 Formula:C4H6O2 CAS:96-33-3 MolWeight:86 RetIndex:0

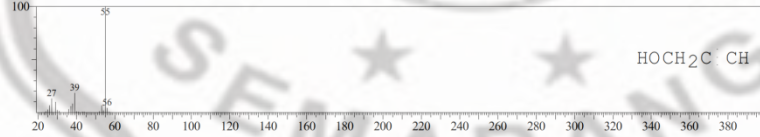
CompName:2-Propenoic acid, methyl ester SS Acrylic acid methyl ester SS Methoxycarbonylethylene SS Methyl acrylate SS Methyl propenoate SS Methyl 2-propenoate SS CH2=CHCOOCH3 SS Methyl propena



Hit#:5 Entry:365 Library:WILEY229.LIB

SI:84 Formula:C3H4O CAS:107-19-7 MolWeight:56 RetIndex:0

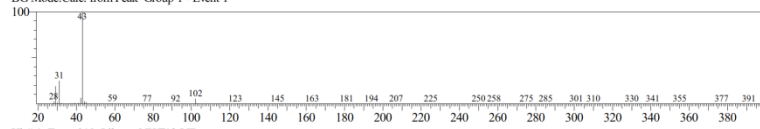
CompName:2-Propyn-1-ol (CAS) Propargyl alcohol SS PROP-2-YNOL SS 2-Propynol SS 1-Propyn-3-ol SS Ethynylcarbinol SS Propynyl alcohol SS 2-Propynyl alcohol SS 1-Hydroxy-2-propyne SS 3-Hydroxy-1-



Lanjutan lampiran 7

<< Target >>

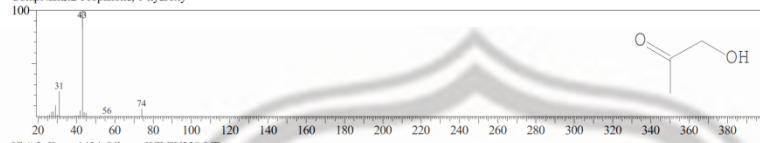
Line#:2 R.Time:3.842(Scan#:78) MassPeaks:226
 RawMode:Averaged 3.833-3.850(77-79) BasePeak:43.05(311445)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:318 Library:NIST12.LIB

SI:93 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0

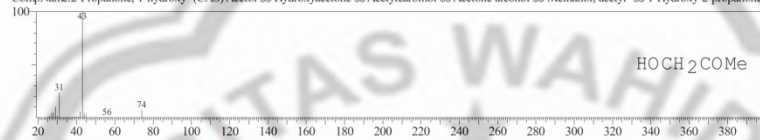
CompName:2-Propanone, 1-hydroxy-



Hit#:2 Entry:1434 Library:WILEY229.LIB

SI:93 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0

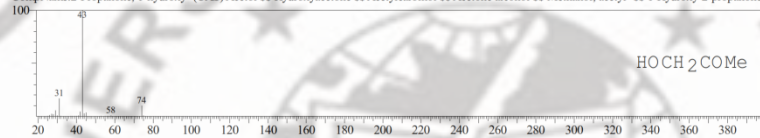
CompName:2-Propanone, 1-hydroxy- (CAS) Acetol SS Hydroxyacetone SS Acetylcarbinol SS Acetone alcohol SS Methanol, acetyl- SS 1-Hydroxy-2-propanone SS



Hit#:3 Entry:1437 Library:WILEY229.LIB

SI:91 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0

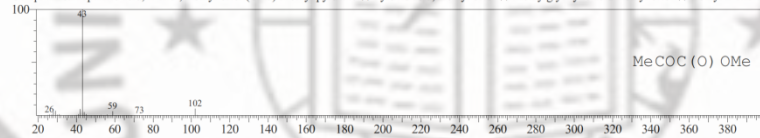
CompName:2-Propanone, 1-hydroxy- (CAS) Acetol SS Hydroxyacetone SS Acetylcarbinol SS Acetone alcohol SS Methanol, acetyl- SS 1-Hydroxy-2-propanone SS



Hit#:4 Entry:5875 Library:WILEY229.LIB

SI:91 Formula:C4H6O3 CAS:600-22-6 MolWeight:102 RetIndex:0

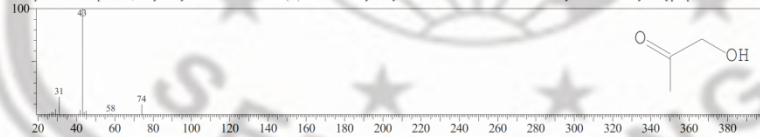
CompName:Propanoic acid, 2-oxo-, methyl ester (CAS) Methyl pyruvate SS Pyruvic acid, methyl ester SS Methylglyoxylic acid methyl ester SS methyl 2-oxo-1-propenoate SS



Hit#:5 Entry:319 Library:NIST62.LIB

SI:91 Formula:C3H6O2 CAS:116-09-6 MolWeight:74 RetIndex:0

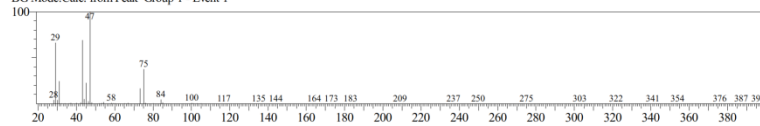
CompName:2-Propanone, 1-hydroxy- SS Acetol SS CH3C(O)CH2OH SS Hydroxyacetone SS Acetone alcohol SS Acetylcarbinol SS Hydroxypropanone SS Methanol, acetyl- SS 1-Hydroxy-2-propanone



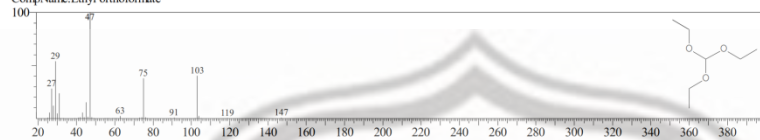
Lanjutan lampiran 7

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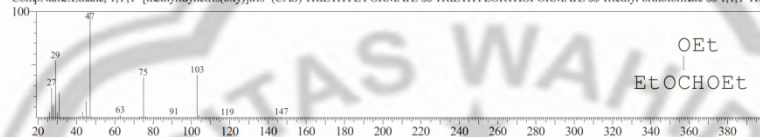
Line#:3 R.Time:4.083(Scan#:107) MassPeaks:187
 RawMode:Averaged 4.075-4.092(106-108) BasePeak:47.10(70991)
 BG Mode:Calc. from Peak Group 1 - Event 1



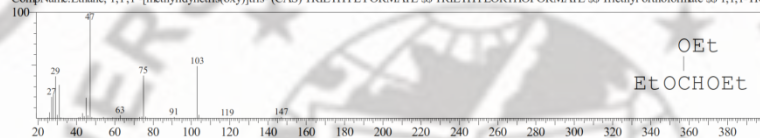
Hit#:1 Entry:4314 Library:NIST12.LIB
 SI:85 Formula:C7H16O3 CAS:122-51-0 MolWeight:148 RetIndex:0
 CompName:Ethyl orthoformate



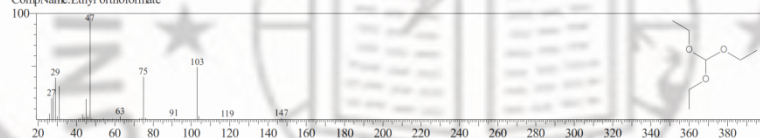
Hit#:2 Entry:26190 Library:WILEY229.LIB
 SI:85 Formula:C7H16O3 CAS:122-51-0 MolWeight:148 RetIndex:0
 CompName:Ethane, 1,1',1''-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLORHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



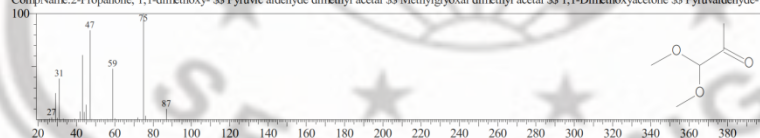
Hit#:3 Entry:26191 Library:WILEY229.LIB
 SI:83 Formula:C7H16O3 CAS:122-51-0 MolWeight:148 RetIndex:0
 CompName:Ethane, 1,1',1''-[methylidynetris(oxy)]tris- (CAS) TRIETHYL FORMATE SS TRIETHYLORHOFORMATE SS Triethyl orthoformate SS 1,1,1-TRIETHOXY METHANE SS Ethyl orthoformate SS A



Hit#:4 Entry:4313 Library:NIST12.LIB
 SI:83 Formula:C7H16O3 CAS:122-51-0 MolWeight:148 RetIndex:0
 CompName:Ethyl orthoformate



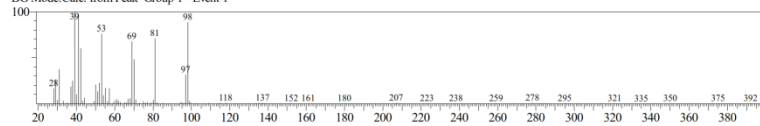
Hit#:5 Entry:3504 Library:NIST62.LIB
 SI:81 Formula:C5H10O3 CAS:6342-56-9 MolWeight:118 RetIndex:0
 CompName:2-Propanone, 1,1-dimethoxy- SS Pyruvic aldehyde dimethyl acetal SS Methylglyoxal dimethyl acetal SS 1,1-Dimethoxyacetone SS Pyruvaldehyde-1,1-(dimethyl acetal) SS Dimethoxymethyl methyl ketone



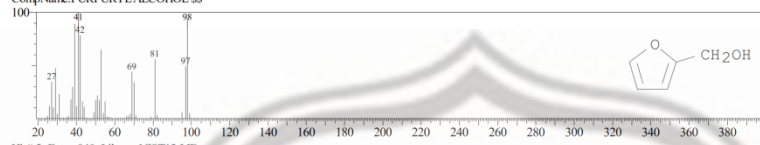
Lanjutan lampiran 7

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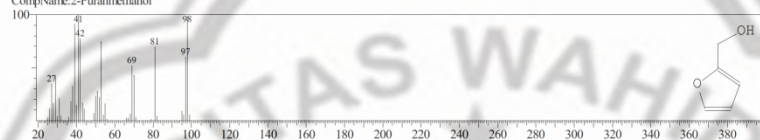
Line#:4 R.Time:5.117(Scan#:231) MassPeaks:191
 RawMode:Averaged 5.108-5.125(230-232) BasePeak:39.05(11509)
 BG Mode:Calc. from Peak Group 1 - Event 1



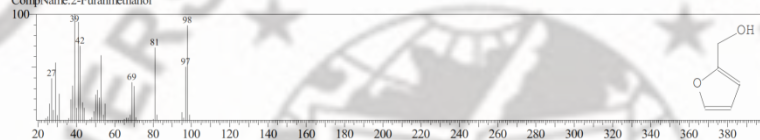
Hit#:1 Entry:4493 Library:WILEY229.LIB
 SI:92 Formula:C5 H6 O2 CAS:98-00-0 MolWeight:98 RetIndex:0
 CompName:FURFURYL ALCOHOL.SS



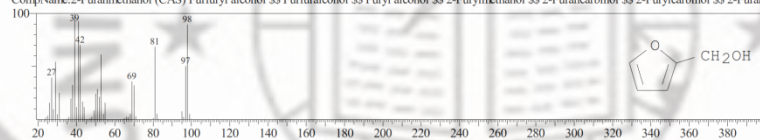
Hit#:2 Entry:940 Library:NIST12.LIB
 SI:92 Formula:C5H6O2 CAS:98-00-0 MolWeight:98 RetIndex:0
 CompName:2-Furanmethanol



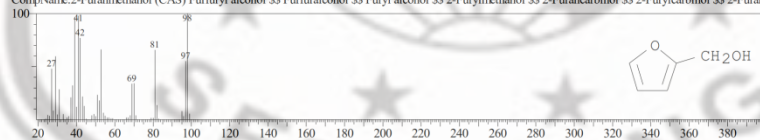
Hit#:3 Entry:937 Library:NIST12.LIB
 SI:91 Formula:C5H6O2 CAS:98-00-0 MolWeight:98 RetIndex:0
 CompName:2-Furanmethanol



Hit#:4 Entry:4471 Library:WILEY229.LIB
 SI:91 Formula:C5 H6 O2 CAS:98-00-0 MolWeight:98 RetIndex:0
 CompName:2-Furanmethanol (CAS) Furfuryl alcohol SS Furfuralcohol SS Furyl alcohol SS 2-Furylmethanol SS 2-Furancarbinol SS 2-Furycarbinol SS 2-Furanylmethanol SS 2-Furfuryl alcohol SS Furycarbinol



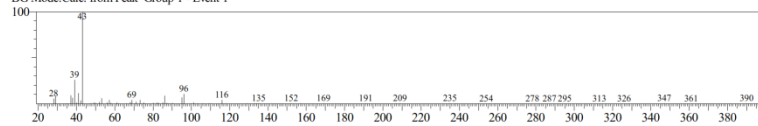
Hit#:5 Entry:4468 Library:WILEY229.LIB
 SI:90 Formula:C5 H6 O2 CAS:98-00-0 MolWeight:98 RetIndex:0
 CompName:2-Furanmethanol (CAS) Furfuryl alcohol SS Furfuralcohol SS Furyl alcohol SS 2-Furylmethanol SS 2-Furancarbinol SS 2-Furycarbinol SS 2-Furanylmethanol SS 2-Furfuryl alcohol SS Furycarbinol



Lanjutan lampiran 7

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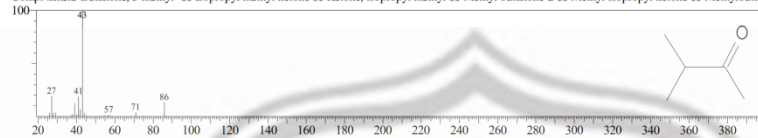
Line#:5 R.Time:5.317(Scan#:255) MassPeaks:197
 RawMode:Averaged 5.308-5.325(254-256) BasePeak:43.10(21530)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:703 Library:NIST62.LIB

SI:81 Formula:C5H10O CAS:563-80-4 MolWeight:86 RetIndex:0

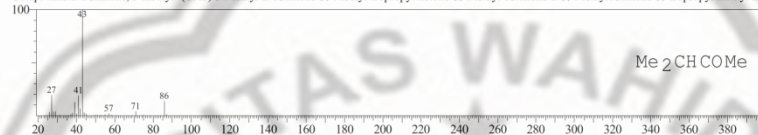
CompName:2-Butanone, 3-methyl- SS Isopropyl methyl ketone SS Ketone, isopropyl methyl SS Methyl butanone-2 SS Methyl isopropyl ketone SS Methylbutanone SS 3-Methyl-2-butanone SS iso-C3H7COCH3



Hit#:2 Entry:2742 Library:WILEY229.LIB

SI:81 Formula:C5H10O CAS:563-80-4 MolWeight:86 RetIndex:0

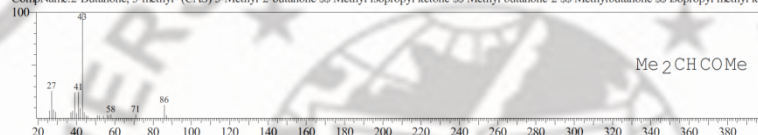
CompName:2-Butanone, 3-methyl- (CAS) 3-Methyl-2-butanone SS Methyl isopropyl ketone SS Methyl butanone-2 SS Methylbutanone SS Isopropyl methyl ketone SS Ketone, isopropyl methyl SS 3-Methylbutar



Hit#:3 Entry:2745 Library:WILEY229.LIB

SI:81 Formula:C5H10O CAS:563-80-4 MolWeight:86 RetIndex:0

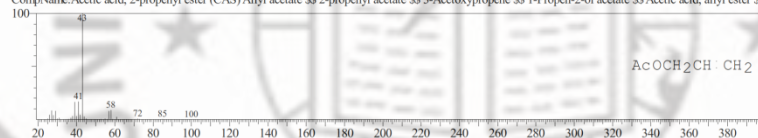
CompName:2-Butanone, 3-methyl- (CAS) 3-Methyl-2-butanone SS Methyl isopropyl ketone SS Methyl butanone-2 SS Methylbutanone SS Isopropyl methyl ketone SS Ketone, isopropyl methyl SS 3-Methylbutar



Hit#:4 Entry:5149 Library:WILEY229.LIB

SI:80 Formula:C5H8O2 CAS:591-87-7 MolWeight:100 RetIndex:0

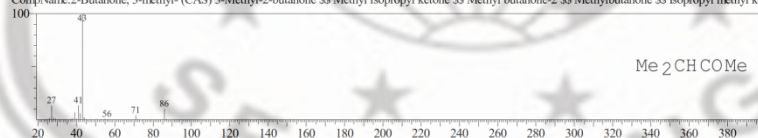
CompName:Acetic acid, 2-propenyl ester (CAS) Allyl acetate SS 2-propenyl acetate SS 3-Acetoxypropene SS 1-Propen-2-ol acetate SS Acetic acid, allyl ester SS 2-Propenyl ester of acetic acid SS



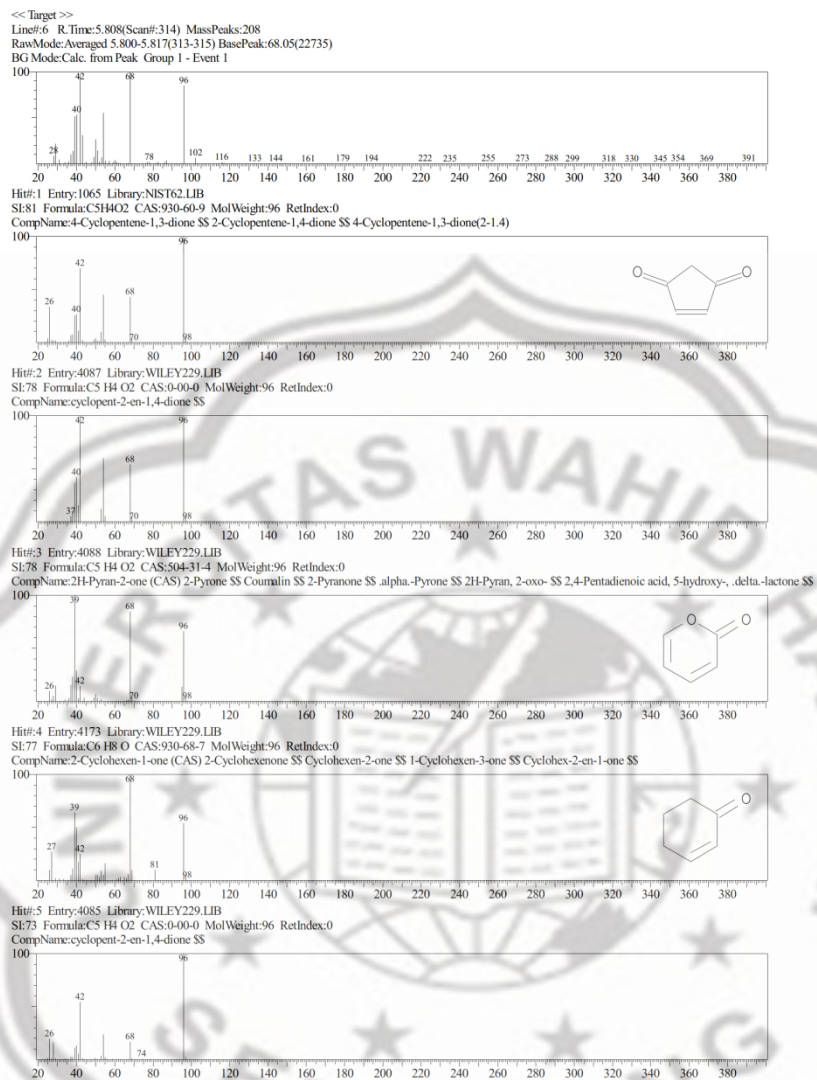
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SI:80 Formula:C5H10O CAS:563-80-4 MolWeight:86 RetIndex:0

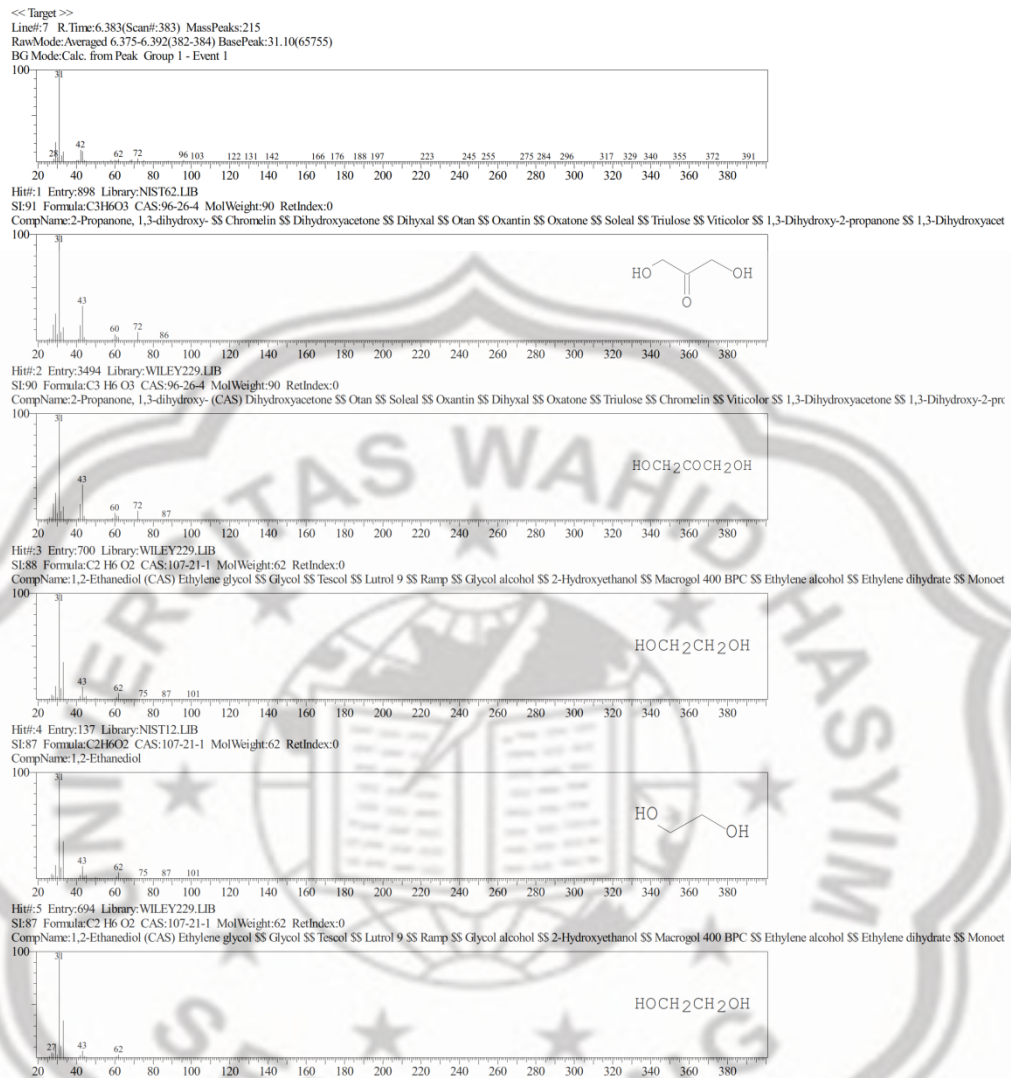
CompName:2-Butanone, 3-methyl- (CAS) 3-Methyl-2-butanone SS Methyl isopropyl ketone SS Methyl butanone-2 SS Methylbutanone SS Isopropyl methyl ketone SS Ketone, isopropyl methyl SS 3-Methylbutar



Lanjutan lampiran 7



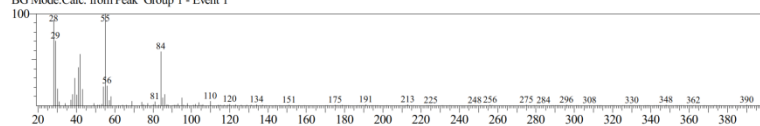
Lanjutan lampiran 7



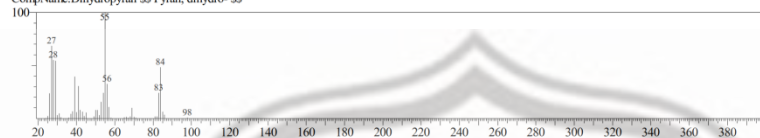
Lanjutan lampiran 7

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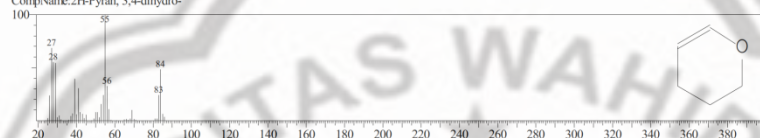
Line#:8 R.Time:6.550(Scan#:403) MassPeaks:213
 RawMode:Averaged 6.542-6.558(402-404) BasePeak:55.10(8593)
 BG Mode:Calc. from Peak Group 1 - Event 1



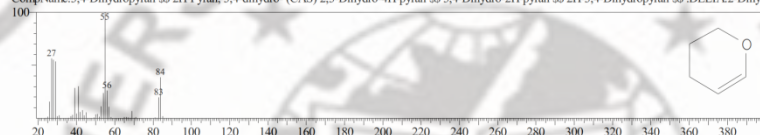
Hit#:1 Entry:2326 Library:WILEY229.LIB
 SE:82 Formula:C5H8O CAS:25512-65-6 MolWeight:84 RetIndex:0
 CompName:Dihydropyran SS Pyran, dihydro- SS



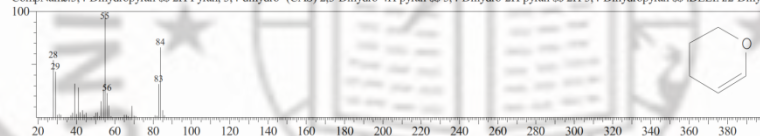
Hit#:2 Entry:481 Library:NIST12.LIB
 SE:82 Formula:C5H8O CAS:110-87-2 MolWeight:84 RetIndex:0
 CompName:2H-Pyran, 3,4-dihydro-



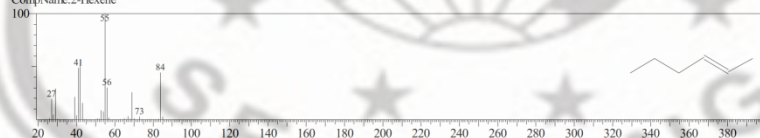
Hit#:3 Entry:2324 Library:WILEY229.LIB
 SE:82 Formula:C5H8O CAS:110-87-2 MolWeight:84 RetIndex:0
 CompName:3,4-Dihydropyran SS 2H-Pyran, 3,4-dihydro- (CAS) 2,3-Dihydro-4H-pyran SS 3,4-Dihydro-2H-pyran SS 2H-3,4-Dihydropyran SS DELTA,2-Dihydropyran SS 5,6-Dihydro-4H-pyran SS Dihydropyran



Hit#:4 Entry:2321 Library:WILEY229.LIB
 SE:82 Formula:C5H8O CAS:110-87-2 MolWeight:84 RetIndex:0
 CompName:3,4-Dihydropyran SS 2H-Pyran, 3,4-dihydro- (CAS) 2,3-Dihydro-4H-pyran SS 3,4-Dihydro-2H-pyran SS 2H-3,4-Dihydropyran SS DELTA,2-Dihydropyran SS 5,6-Dihydro-4H-pyran SS Dihydropyran



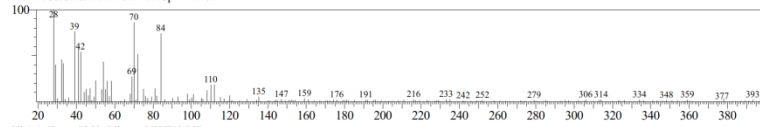
Hit#:5 Entry:523 Library:NIST12.LIB
 SE:81 Formula:C6H12 CAS:592-43-8 MolWeight:84 RetIndex:0
 CompName:2-Hexene



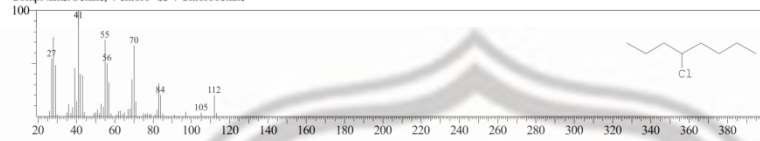
Lanjutan lampiran 7

<< Target >>

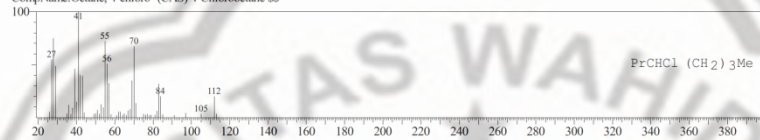
Line# 9 R-Time: 6.817 (Scan# 435) MassPeaks: 208
 RawMode: Averaged 6.808-6.825 (434-436) BasePeak: 28, 10 (2424)
 BG Mode: Calc. from Peak Group 1 - Event 1



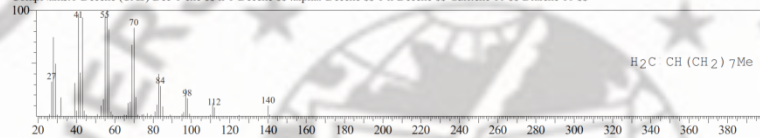
Hit# 1 Entry: 9258 Library: NIST62.LIB
 St: 65 Formula: C₈H₁₇Cl CAS: 999-07-5 MolWeight: 148 RetIndex: 0
 CompName: Octane, 4-chloro- SS 4-Chlorooctane



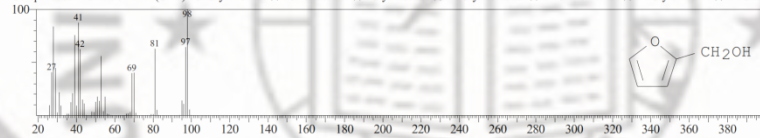
Hit# 2 Entry: 26261 Library: WILEY229.LIB
 St: 65 Formula: C₈H₁₇Cl CAS: 999-07-5 MolWeight: 148 RetIndex: 0
 CompName: Octane, 4-chloro- (CAS) 4-Chlorooctane SS



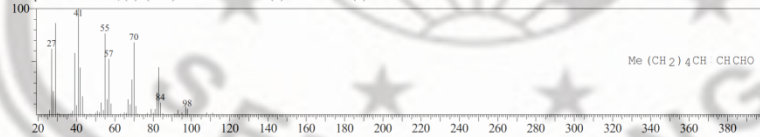
Hit# 3 Entry: 21970 Library: WILEY229.LIB
 St: 65 Formula: C₁₀H₂₀ CAS: 872-05-9 MolWeight: 140 RetIndex: 0
 CompName: 1-Decene (CAS) Dec-1-ene SS n-1-Decene SS alpha-Decene SS 1-n-Decene SS Culfene 10 SS Dialene 10 SS



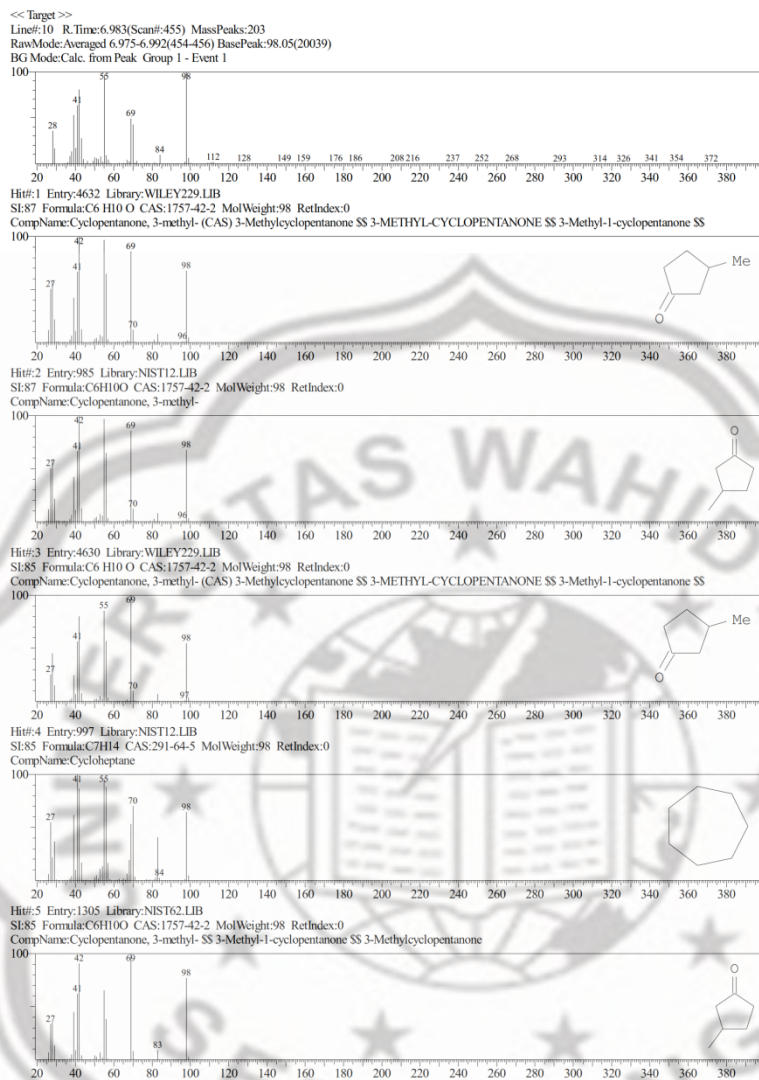
Hit# 4 Entry: 4467 Library: WILEY229.LIB
 St: 64 Formula: C₅H₆O₂ CAS: 98-00-0 MolWeight: 98 RetIndex: 0
 CompName: 2-Furanmethanol (CAS) Furfuryl alcohol SS Furfuralcohol SS Furyl alcohol SS 2-Furylmethanol SS 2-Furancarbinol SS 2-Furylcarbinol SS 2-Furanylmethanol SS 2-Furfuryl alcohol SS Furylcarbinol



Hit# 5 Entry: 13957 Library: WILEY229.LIB
 St: 64 Formula: C₈H₁₄O CAS: 2548-87-0 MolWeight: 126 RetIndex: 0
 CompName: 2-Octenal, (E)- (CAS) trans-2-Octenal SS (E)-2-Octenal SS (E)-2-Octen-1-al SS



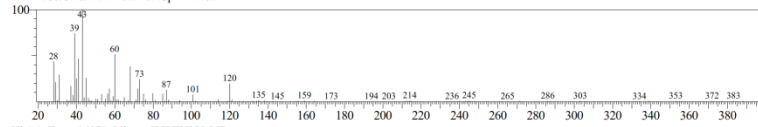
Lanjutan lampiran 7



Lanjutan lampiran 7

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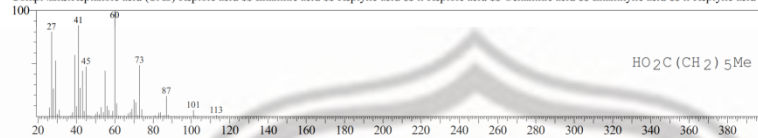
Line#:11 R.Time:7.467(Scan#:513) MassPeaks:190
 RawMode:Averaged 7.458-7.475(512-514) BasePeak:43.10(6655)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:16074 Library:WILEY229.LIB

SI:74 Formula:C7 H14 O2 CAS:111-14-8 MolWeight:130 RetIndex:0

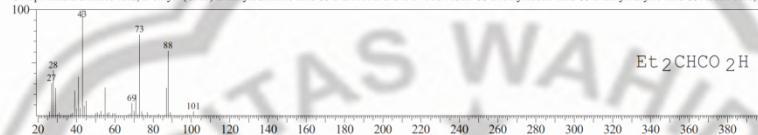
CompName:Heptanoic acid (CAS) Heptanoic acid SS Enanthic acid SS Heptylic acid SS n-Heptoic acid SS Oenanthic acid SS Enanthylic acid SS n-Heptylic acid SS n-Heptanoic acid SS Oenanthylic acid SS 1-Hexar



Hit#:2 Entry:10172 Library:WILEY229.LIB

SI:74 Formula:C6 H12 O2 CAS:88-09-5 MolWeight:116 RetIndex:0

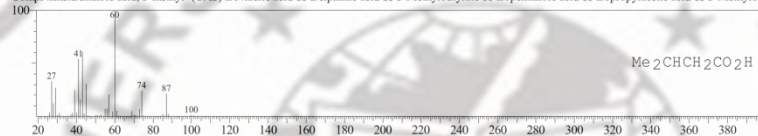
CompName:Butanoic acid, 2-ethyl- (CAS) 2-Ethylbutanoic acid SS 2-ETHYL-BUTANOIC ACID SS Diethylacetic acid SS 2-Ethylbutyric acid SS Acetic acid, diethyl- SS Butyric acid, 2-ethyl- SS 3-Pentanecarbo



Hit#:3 Entry:5926 Library:WILEY229.LIB

SI:73 Formula:C5 H10 O2 CAS:503-74-2 MolWeight:102 RetIndex:0

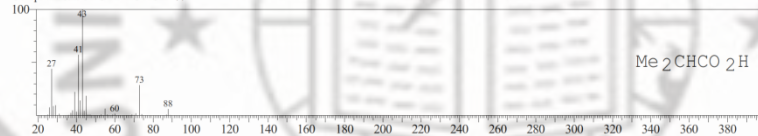
CompName:Butanoic acid, 3-methyl- (CAS) Isovaleric acid SS Delphinic acid SS 3-Methylbutyrate SS Isopentanoic acid SS Isopropylacetic acid SS 3-Methylbutyric acid SS 3-Methylbutanoic acid SS Acetic acid,



Hit#:4 Entry:3201 Library:WILEY229.LIB

SI:73 Formula:C4 H8 O2 CAS:79-31-2 MolWeight:88 RetIndex:0

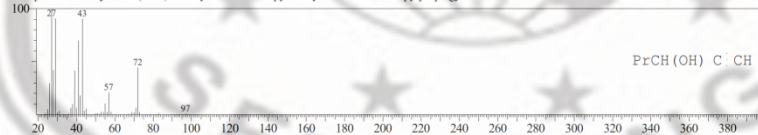
CompName:ISOBUTYRIC ACID SS



Hit#:5 Entry:4654 Library:WILEY229.LIB

SI:72 Formula:C6 H10 O CAS:105-31-7 MolWeight:98 RetIndex:0

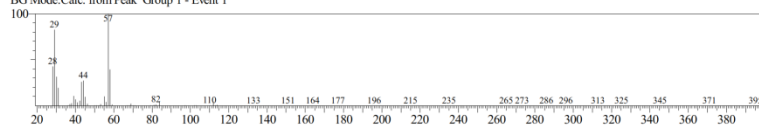
CompName:1-Hexyn-3-ol (CAS) 1-Hexyne-3-ol SS Propylethylcarbinol SS 1-Propylpropargyl alcohol SS



Lanjutan lampiran 7

<< Target >>

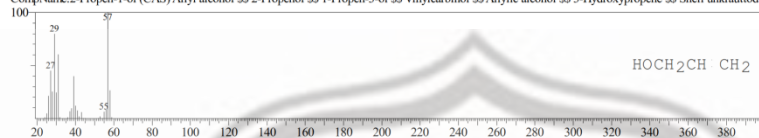
Line#:12 R.Time:9.358(Scan#:740) MassPeaks:212
 RawMode:Averaged 9.350-9.367(739-741) BasePeak:57.10(128609)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:450 Library:WILEY229.LIB

SI:86 Formula:C3 H6 O CAS:107-18-6 MolWeight:58 RetIndex:0

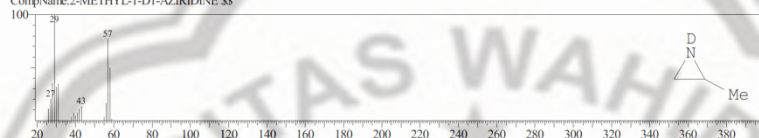
CompName:2-Propen-1-ol (CAS) Allyl alcohol SS 2-Propenol SS 1-Propen-3-ol SS Vinylcarbinol SS Allylic alcohol SS 3-Hydroxypropene SS Shell unkrattod A SS 2-Propenyl alcohol SS 3-Hydroxy-1-propene S



Hit#:2 Entry:396 Library:WILEY229.LIB

SI:85 Formula:C3 H6 D N CAS:21031-18-5 MolWeight:57 RetIndex:0

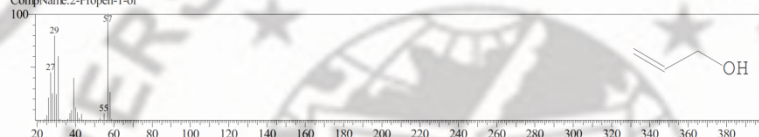
CompName:2-METHYL-1-DI-AZIRIDINE SS



Hit#:3 Entry:94 Library:NIST12.LIB

SI:85 Formula:C3 H6 O CAS:107-18-6 MolWeight:58 RetIndex:0

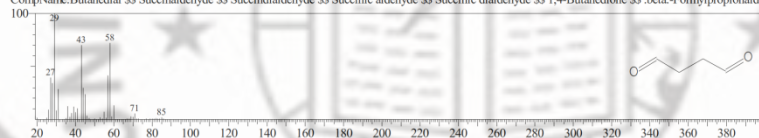
CompName:2-Propen-1-ol



Hit#:4 Entry:663 Library:NIST62.LIB

SI:84 Formula:C4 H6 O2 CAS:438-37-9 MolWeight:86 RetIndex:0

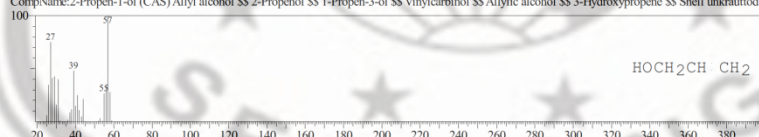
CompName:Butanedial SS Succinaldehyde SS Succindialdehyde SS Succinic aldehyde SS Succinic dialdehyde SS 1,4-Butanedione SS .beta.-Formylpropionaldehyde SS 1,4-Butanedial SS UN 2346



Hit#:5 Entry:453 Library:WILEY229.LIB

SI:83 Formula:C3 H6 O CAS:107-18-6 MolWeight:58 RetIndex:0

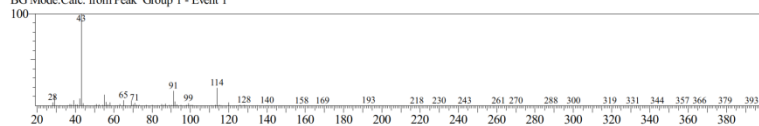
CompName:2-Propen-1-ol (CAS) Allyl alcohol SS 2-Propenol SS 1-Propen-3-ol SS Vinylcarbinol SS Allylic alcohol SS 3-Hydroxypropene SS Shell unkrattod A SS 2-Propenyl alcohol SS 3-Hydroxy-1-propene S



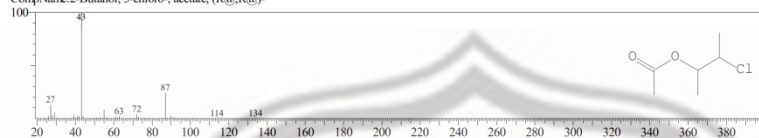
Lanjutan lampiran 7

<< Target >>

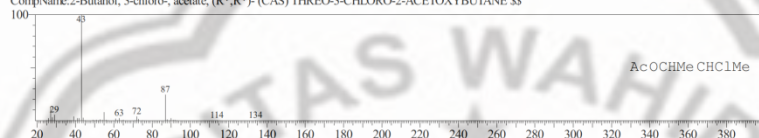
Line#:13 R.Time:10.933(Scan#:929) MassPeaks:202
 RawMode:Averaged 10.925-10.942(928-930) BasePeak:43.10(38432)
 BG Mode:Calc. from Peak Group 1 - Event 1



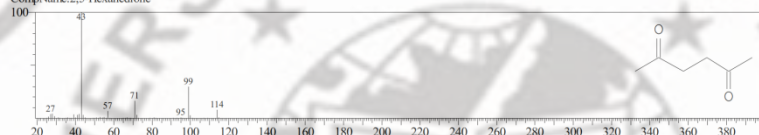
Hit#:1 Entry:9605 Library:NIST62.LIB
 SE:80 Formula:C6H11ClO2 CAS:54192-20-0 MolWeight:150 RetIndex:0
 CompName:2-Butanol, 3-chloro-, acetate, (R@,R@)-



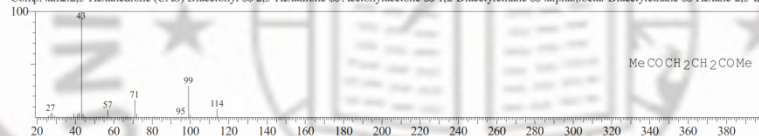
Hit#:2 Entry:27210 Library:WILEY229.LIB
 SE:79 Formula:C6 H11 Cl O2 CAS:54192-20-0 MolWeight:150 RetIndex:0
 CompName:2-Butanol, 3-chloro-, acetate, (R*,R*)- (CAS) THREO-3-CHLORO-2-ACETOXYBUTANE SS



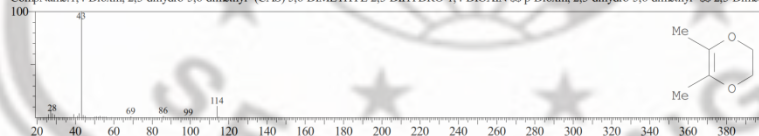
Hit#:3 Entry:1871 Library:NIST12.LIB
 SE:78 Formula:C6H10O2 CAS:110-13-4 MolWeight:114 RetIndex:0
 CompName:2,5-Hexanedione



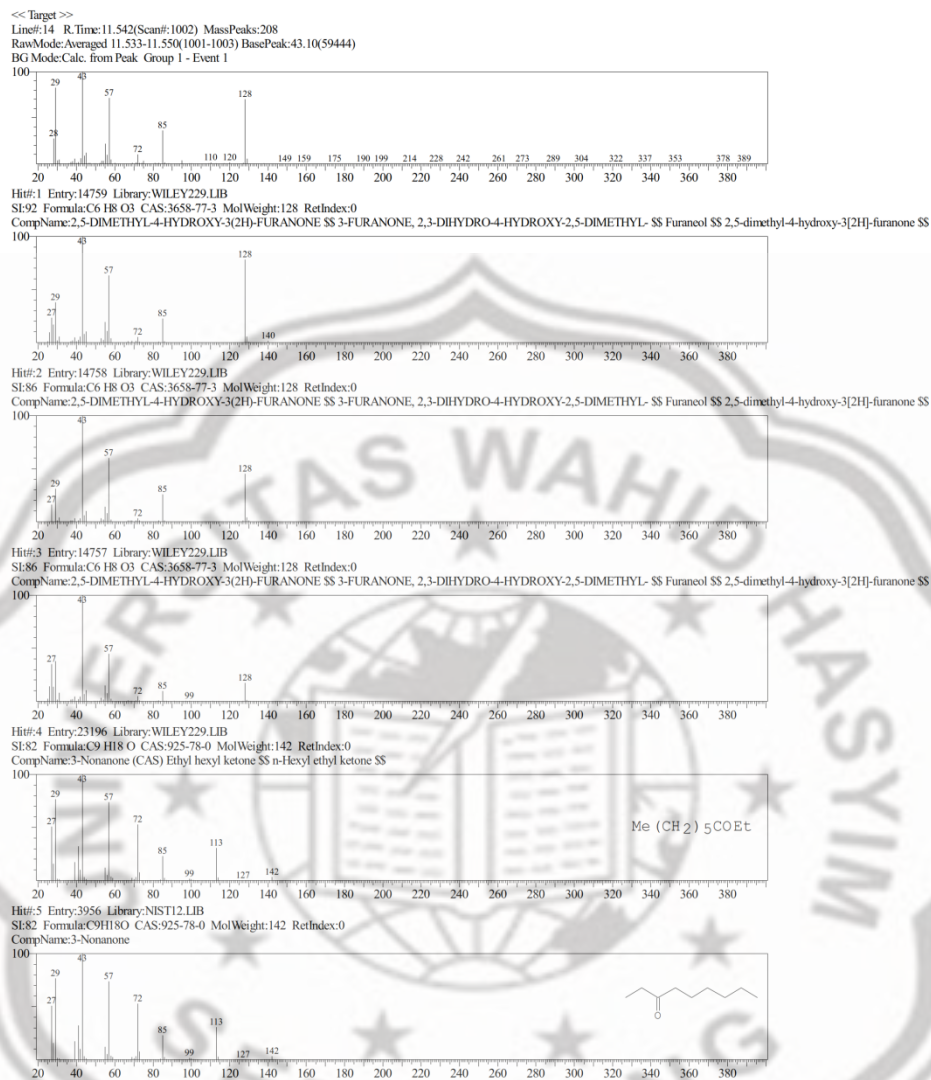
Hit#:4 Entry:9259 Library:WILEY229.LIB
 SE:78 Formula:C6 H10 O2 CAS:110-13-4 MolWeight:114 RetIndex:0
 CompName:2,5-Hexanedione (CAS) Diacetylone SS 2,5-Hexanedione SS Acetylacetone SS 1,2-Diacetylene SS alpha,beta-Diacetylene SS Hexane-2,5-dione SS 2,5-Dioxohexane SS



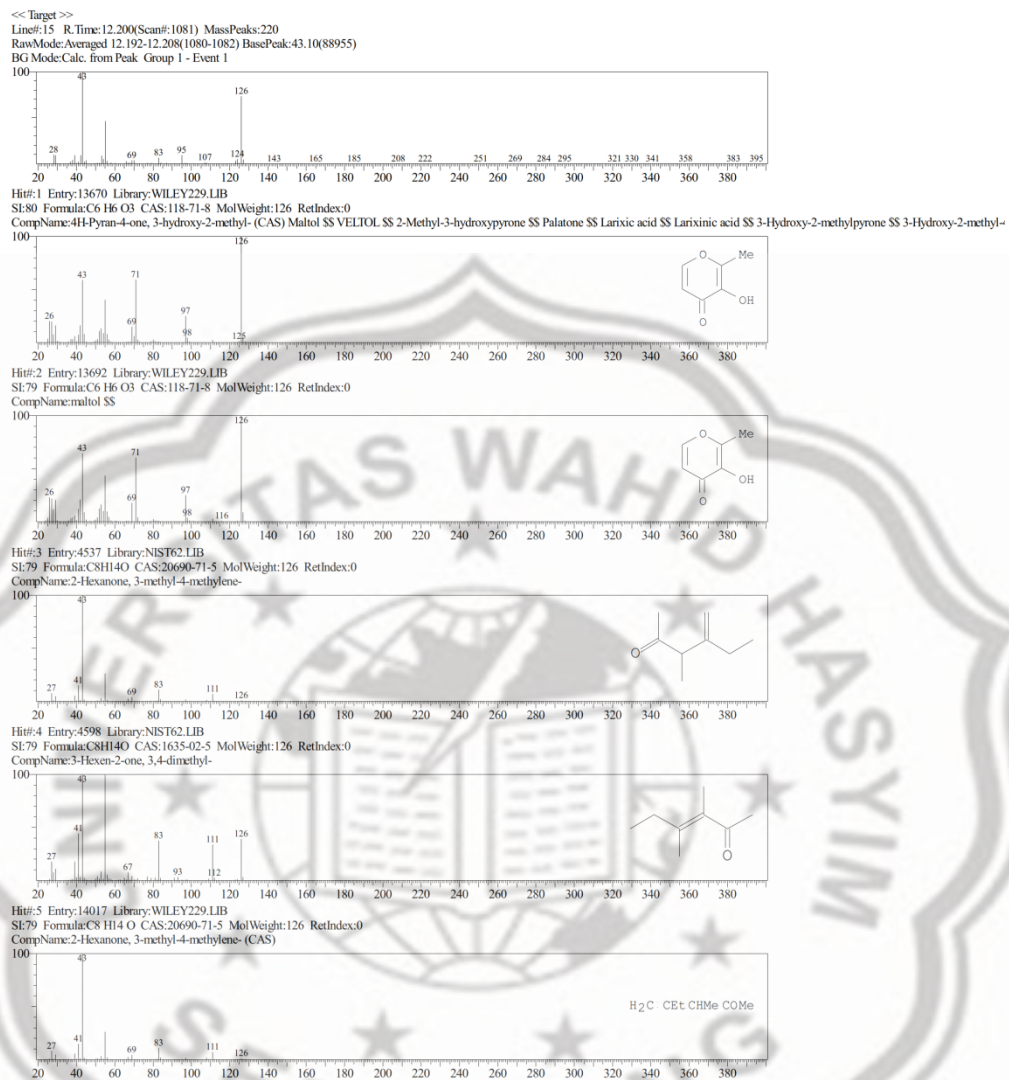
Hit#:5 Entry:9312 Library:WILEY229.LIB
 SE:78 Formula:C6 H10 O2 CAS:25465-18-3 MolWeight:114 RetIndex:0
 CompName:1,4-Dioxin, 2,3-dihydro-5,6-dimethyl- (CAS) 5,6-DIMETHYL-2,3-DIHYDRO-1,4-DIOXIN SS p-Dioxin, 2,3-dihydro-5,6-dimethyl- SS 2,3-Dimethyl-1,4-dioxene SS



Lanjutan lampiran 7



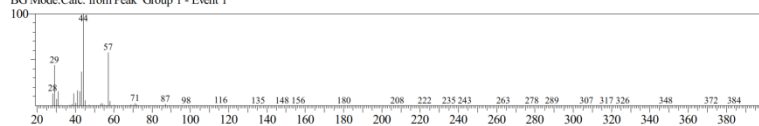
Lanjutan lampiran 7



Lanjutan lampiran 7

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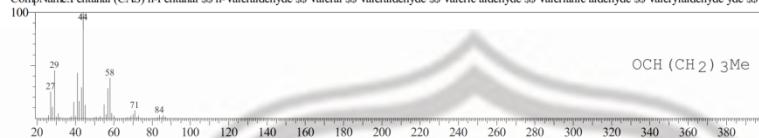
Line#:16 R.Time:12.733(Scan#:1145) MassPeaks:206
 RawMode:Averaged 12.725-12.742(1144-1146) BasePeak:44.10(140430)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:2687 Library:WILEY229.LIB

SI:87 Formula:C5 H10 O CAS:110-62-3 MolWeight:86 RetIndex:0

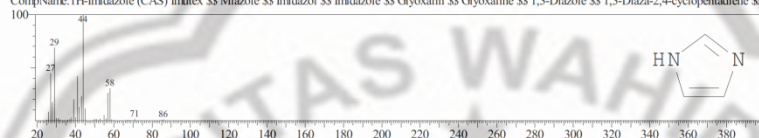
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valeraldehyde SS Valeric aldehyde SS Valerianic aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



Hit#:2 Entry:826 Library:WILEY229.LIB

SI:87 Formula:C3 H4 N2 CAS:288-32-4 MolWeight:68 RetIndex:0

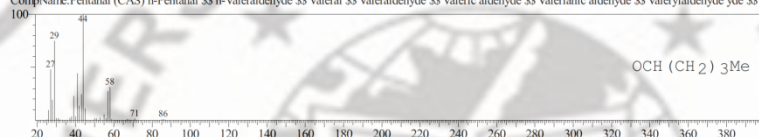
CompName: 1H-Imidazole (CAS) Imutex SS Miazole SS Imidazol SS Imidazole SS Glyoxalin SS Glyoxaline SS 1,3-Diazole SS 1,3-Diaza-2,4-cyclopentadiene SS Methanimidamide, N,N'-1,2-ethenediyl- SS



Hit#:3 Entry:2682 Library:WILEY229.LIB

SI:87 Formula:C5 H10 O CAS:110-62-3 MolWeight:86 RetIndex:0

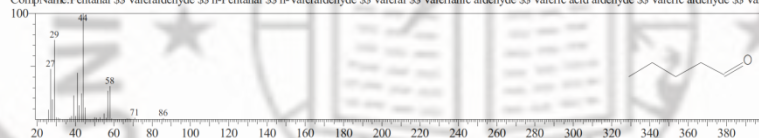
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valeraldehyde SS Valeric aldehyde SS Valerianic aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



Hit#:4 Entry:692 Library:NIST62.LIB

SI:87 Formula:C5 H10 O CAS:110-62-3 MolWeight:86 RetIndex:0

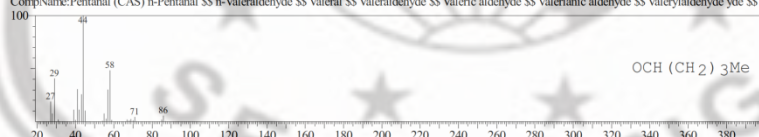
CompName: Pentanal SS Valeraldehyde SS n-Pentanal SS n-Valeraldehyde SS Valeral SS Valerianic aldehyde SS Valeric acid aldehyde SS Valeric aldehyde SS Valeryl aldehyde SS n-C4H9CHO SS Amyl aldehyde SS



Hit#:5 Entry:2685 Library:WILEY229.LIB

SI:86 Formula:C5 H10 O CAS:110-62-3 MolWeight:86 RetIndex:0

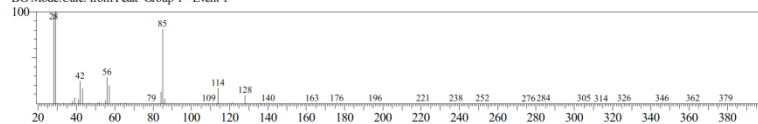
CompName: Pentanal (CAS) n-Pentanal SS n-Valeraldehyde SS Valeral SS Valeraldehyde SS Valeric aldehyde SS Valerianic aldehyde SS Valerylaldehyde yde SS Valeric acid aldehyde SS 1-pentanal SS



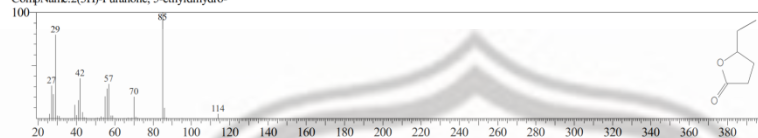
Lanjutan lampiran 7

<< Target >>

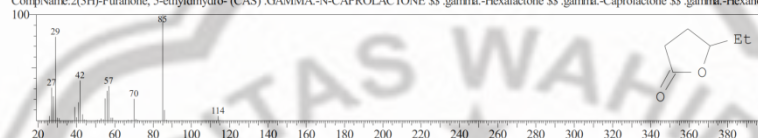
Line#:17 R.Time:13.725(Scan#:1264) MassPeaks:189
 RawMode:Averaged 13.717-13.733(1263-1265) BasePeak:29.10(18746)
 BG Mode:Calc. from Peak Group 1 - Event 1



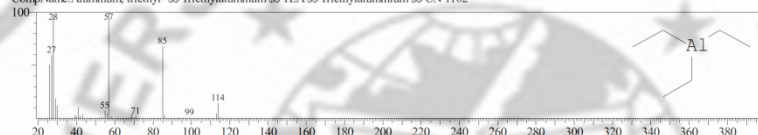
Hit#:1 Entry:1869 Library:NIST12.LIB
 SE:79 Formula:C6H10O2 CAS:695-06-7 MolWeight:114 RetIndex:0
 CompName:2(3H)-Furanone, 5-ethylidihydro-



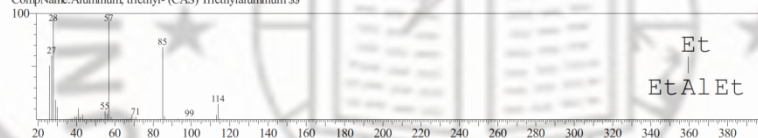
Hit#:2 Entry:9294 Library:WILEY229.LIB
 SE:79 Formula:C6H10O2 CAS:695-06-7 MolWeight:114 RetIndex:0
 CompName:2(3H)-Furanone, 5-ethylidihydro- (CAS). GAMMA-N-CAPROLACTONE SS .gamma.-Hexalactone SS .gamma.-Caprolactone SS .gamma.-Hexanolactone SS .gamma.-Ethylbutyrolactone SS 4-Hydrox-



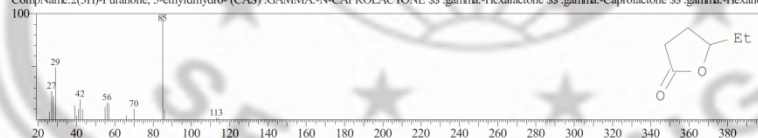
Hit#:3 Entry:2984 Library:NIST62.LIB
 SE:78 Formula:C6H15Al CAS:97-93-8 MolWeight:114 RetIndex:0
 CompName:Aluminum, triethyl- SS Triethylaluminum SS TEA SS Triethylaluminium SS UN 1102



Hit#:4 Entry:9475 Library:WILEY229.LIB
 SE:78 Formula:C6H15Al CAS:97-93-8 MolWeight:114 RetIndex:0
 CompName:Aluminum, triethyl- (CAS) Triethylaluminum SS



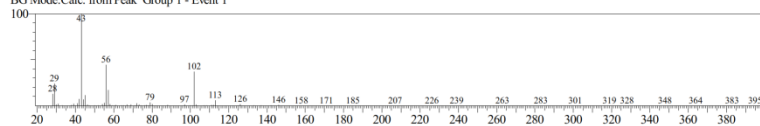
Hit#:5 Entry:9297 Library:WILEY229.LIB
 SE:78 Formula:C6H10O2 CAS:695-06-7 MolWeight:114 RetIndex:0
 CompName:2(3H)-Furanone, 5-ethylidihydro- (CAS). GAMMA-N-CAPROLACTONE SS .gamma.-Hexalactone SS .gamma.-Caprolactone SS .gamma.-Hexanolactone SS .gamma.-Ethylbutyrolactone SS 4-Hydrox-



Lanjutan lampiran 7

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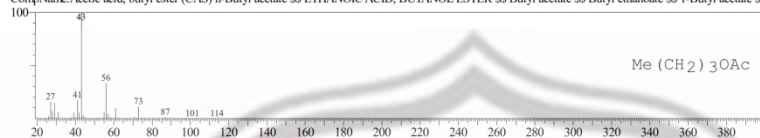
Line#:18 R.Time:14.067(Scan#:1305) MassPeaks:207
 RawMode:Averaged 14.058-14.075(1304-1306) BasePeak:43.05(60368)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:10234 Library:WILEY229.LIB

SE:81 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

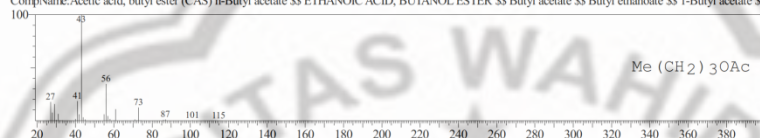
CompName:Acetic acid, butyl ester (CAS) n-Butyl acetate SS ETHANOIC ACID, BUTANOL ESTER SS Butyl acetate SS Butyl ethanoate SS 1-Butyl acetate SS Acetic acid butyl ester SS Butyl ester of acetic acid



Hit#:2 Entry:10233 Library:WILEY229.LIB

SE:81 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

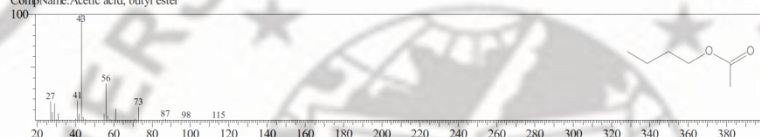
CompName:Acetic acid, butyl ester (CAS) n-Butyl acetate SS ETHANOIC ACID, BUTANOL ESTER SS Butyl acetate SS Butyl ethanoate SS 1-Butyl acetate SS Acetic acid butyl ester SS Butyl ester of acetic acid



Hit#:3 Entry:2093 Library:NIST12.LIB

SE:81 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

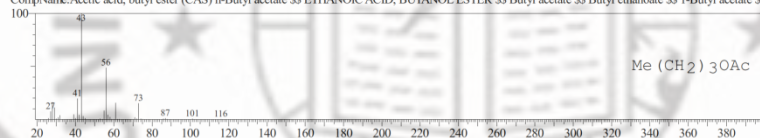
CompName:Acetic acid, butyl ester



Hit#:4 Entry:10232 Library:WILEY229.LIB

SE:81 Formula:C6 H12 O2 CAS:123-86-4 MolWeight:116 RetIndex:0

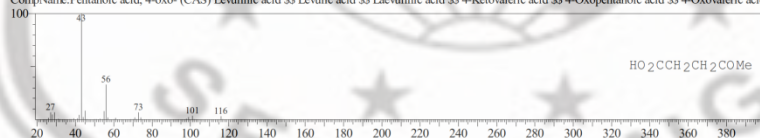
CompName:Acetic acid, butyl ester (CAS) n-Butyl acetate SS ETHANOIC ACID, BUTANOL ESTER SS Butyl acetate SS Butyl ethanoate SS 1-Butyl acetate SS Acetic acid butyl ester SS Butyl ester of acetic acid



Hit#:5 Entry:10070 Library:WILEY229.LIB

SE:80 Formula:C5 H8 O3 CAS:123-76-2 MolWeight:116 RetIndex:0

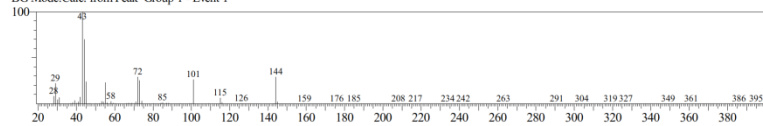
CompName:Pentanoic acid, 4-oxo- (CAS) Levulinic acid SS Levulinic acid SS Laevulinic acid SS 4-Ketovaleric acid SS 4-Oxopentanoic acid SS 4-Oxovaleric acid SS 3-Acetylpropionic acid SS gamma-Ketovaleric acid



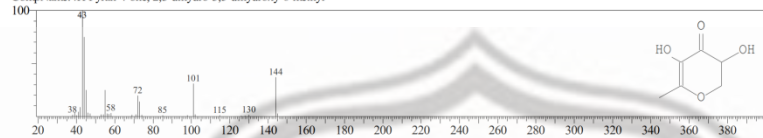
Lanjutan lampiran 7

<< Target >>

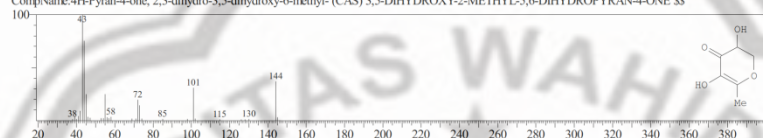
Line#:19 R.Time:14.433(Scan#:1349) MassPeaks:228
 RawMode:Averaged 14.425-14.442(1348-1350) BasePeak:43.05(287887)
 BG Mode:Calc. from Peak Group 1 - Event 1



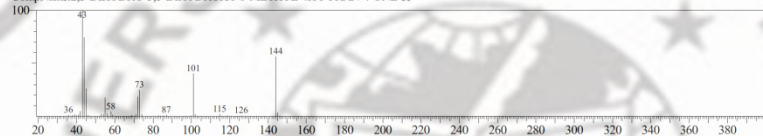
Hit#:1 Entry:8275 Library:NIST62.LIB
 SI:89 Formula:C6H8O4 CAS:28564-83-2 MolWeight:144 RetIndex:0
 CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl-



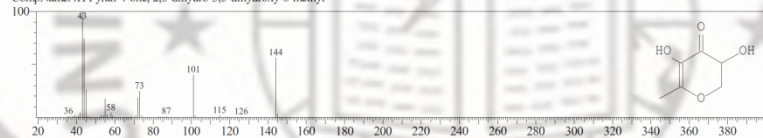
Hit#:2 Entry:23785 Library:WILEY229.LIB
 SI:89 Formula:C6 H8 O4 CAS:28564-83-2 MolWeight:144 RetIndex:0
 CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl- (CAS) 3,5-DIHYDROXY-2-METHYL-5,6-DIHYDROPYRAN-4-ONE SS



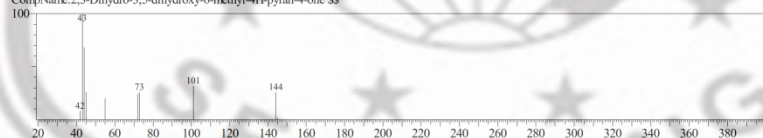
Hit#:3 Entry:23795 Library:WILEY229.LIB
 SI:88 Formula:C6 H8 O4 CAS:0-00-0 MolWeight:144 RetIndex:0
 CompName:2,3-DIHYDRO-3,5-DIHYDROXY-6-METHYL-4H-PYRAN-4-ONE SS



Hit#:4 Entry:4037 Library:NIST12.LIB
 SI:88 Formula:C6H8O4 CAS:28564-83-2 MolWeight:144 RetIndex:0
 CompName:4H-Pyran-4-one, 2,3-dihydro-3,5-dihydroxy-6-methyl-



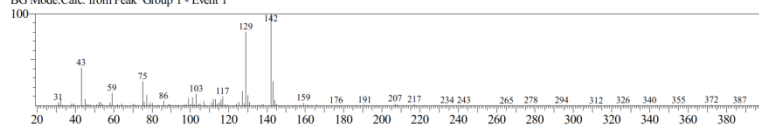
Hit#:5 Entry:23788 Library:WILEY229.LIB
 SI:87 Formula:C6 H8 O4 CAS:0-00-0 MolWeight:144 RetIndex:0
 CompName:2,3-Dihydro-3,5-dihydroxy-6-methyl-4H-pyran-4-one SS



Lanjutan lampiran 7

<< Target >>

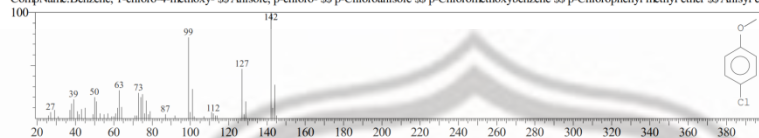
Line#:20 R.Time:15.142(Scan#:1434) MassPeaks:199
 RawMode:Averaged 15.133-15.150(1433-1435) BasePeak:142.05(11502)
 BG Mode:Calc. from Peak Group 1 - Event 1



Hit#:1 Entry:7832 Library:NIST62.LIB

SI:61 Formula:C7H7ClO CAS:623-12-1 MolWeight:142 RetIndex:0

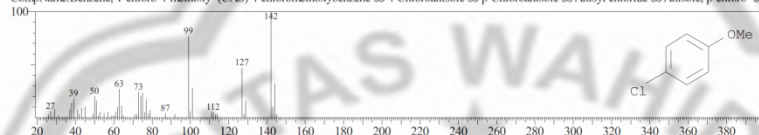
CompName: Benzene, 1-chloro-4-methoxy- SS Anisole, p-chloro- SS p-Chloroanisole SS p-Chloromethoxybenzene SS p-Chlorophenyl methyl ether SS Anisyl chloride SS 1-Chloro-4-methoxybenzene SS 4-Chlor



Hit#:2 Entry:22627 Library:WILEY229.LIB

SI:61 Formula:C7H7ClO CAS:623-12-1 MolWeight:142 RetIndex:0

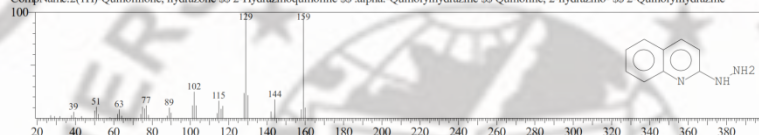
CompName: Benzene, 1-chloro-4-methoxy- (CAS) 4-chloromethoxybenzene SS 4-Chloroanisole SS p-Chloroanisole SS Anisole, p-chloro- SS p-Chloromethoxybenzene SS 1-Chloro-4-methoxy



Hit#:3 Entry:12171 Library:NIST62.LIB

SI:61 Formula:C9H9N3 CAS:15793-77-8 MolWeight:159 RetIndex:0

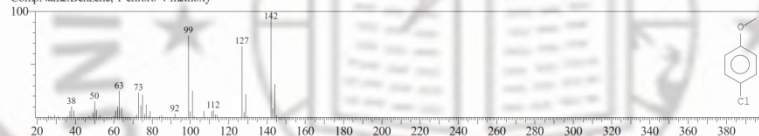
CompName: 2(1H)-Quinolone, hydrazone SS 2-Hydrazinoquinoline SS alpha.-Quinolylhydrazine SS Quinoline, 2-hydrazino- SS 2-Quinolylhydrazine



Hit#:4 Entry:3894 Library:NIST62.LIB

SI:61 Formula:C7H7ClO CAS:623-12-1 MolWeight:142 RetIndex:0

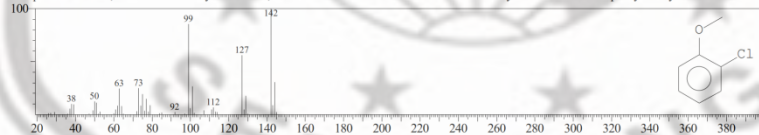
CompName: Benzene, 1-chloro-4-methoxy-



Hit#:5 Entry:7834 Library:NIST62.LIB

SI:60 Formula:C7H7ClO CAS:766-51-8 MolWeight:142 RetIndex:0

CompName: Benzene, 1-chloro-2-methoxy- SS Anisole, o-chloro- SS o-Chloroanisole SS o-Chloromethoxybenzene SS o-Chlorophenyl methyl ether SS 1-Chloro-2-methoxybenzene SS 2-Chloroanisole SS 2-Chlor



Lampiran 8. Dokumentasi Penelitian



Penimbangan pembeding



Sampel bawang Bombay



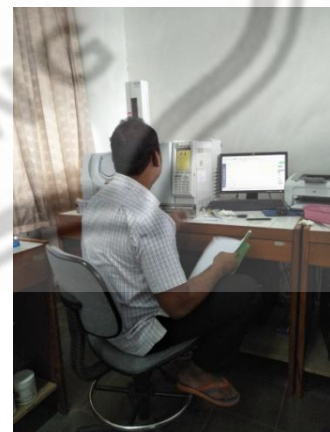
pembuatan ekstrak



Penyaringan



Alat GC-MS



Pengujian dengan alat GC-MS

