

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011216\  
 Data File : BG020683.D  
 Acq On : 12 Jan 2016 18:29  
 Operator : SJ/IZ  
 Sample : H1094-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC956

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.055       | 32            | 37          | 46           | rBV      | 24094          | 46810         | 6.55%           | 0.777%        |
| 2         | 3.132       | 46            | 50          | 56           | rVB      | 21596          | 29114         | 4.07%           | 0.483%        |
| 3         | 3.408       | 91            | 97          | 104          | rBV3     | 3565           | 5862          | 0.82%           | 0.097%        |
| 4         | 5.118       | 385           | 388         | 392          | rBV      | 965            | 1058          | 0.15%           | 0.018%        |
| 5         | 7.203       | 737           | 743         | 753          | rBV      | 59763          | 106898        | 14.96%          | 1.775%        |
| 6         | 7.368       | 763           | 771         | 780          | rBV      | 50940          | 87170         | 12.20%          | 1.447%        |
| 7         | 7.573       | 800           | 806         | 817          | rBV      | 64947          | 112328        | 15.72%          | 1.865%        |
| 8         | 8.043       | 880           | 886         | 897          | rVB      | 40766          | 69239         | 9.69%           | 1.150%        |
| 9         | 8.754       | 1001          | 1007        | 1015         | rBV      | 81995          | 141282        | 19.77%          | 2.346%        |
| 10        | 9.219       | 1079          | 1086        | 1096         | rBV      | 62577          | 113111        | 15.83%          | 1.878%        |
| 11        | 9.941       | 1202          | 1209        | 1220         | rBV2     | 56784          | 99572         | 13.93%          | 1.653%        |
| 12        | 10.488      | 1294          | 1302        | 1317         | rBV      | 80087          | 149100        | 20.87%          | 2.476%        |
| 13        | 10.864      | 1359          | 1366        | 1374         | rBV      | 64340          | 115661        | 16.19%          | 1.920%        |
| 14        | 10.999      | 1383          | 1389        | 1401         | rBV      | 70701          | 133617        | 18.70%          | 2.219%        |
| 15        | 12.450      | 1631          | 1636        | 1642         | rBB2     | 1118           | 1970          | 0.28%           | 0.033%        |
| 16        | 14.083      | 1908          | 1914        | 1918         | rBV      | 199969         | 282730        | 39.57%          | 4.694%        |
| 17        | 14.130      | 1918          | 1922        | 1928         | rVB      | 73788          | 106781        | 14.94%          | 1.773%        |
| 18        | 14.377      | 1957          | 1964        | 1972         | rBV      | 198334         | 307286        | 43.00%          | 5.102%        |
| 19        | 14.554      | 1991          | 1994        | 1997         | rBV2     | 3254           | 3662          | 0.51%           | 0.061%        |
| 20        | 14.683      | 2010          | 2016        | 2024         | rBV2     | 122756         | 190440        | 26.65%          | 3.162%        |
| 21        | 14.894      | 2047          | 2052        | 2067         | rBV2     | 48366          | 97163         | 13.60%          | 1.613%        |
| 22        | 14.988      | 2067          | 2068        | 2070         | rVV      | 2179           | 1661          | 0.23%           | 0.028%        |
| 23        | 15.012      | 2070          | 2072        | 2077         | rVV3     | 1566           | 2769          | 0.39%           | 0.046%        |
| 24        | 15.047      | 2077          | 2078        | 2083         | rVV2     | 1122           | 1408          | 0.20%           | 0.023%        |
| 25        | 15.505      | 2153          | 2156        | 2163         | rVB2     | 5545           | 6432          | 0.90%           | 0.107%        |
| 26        | 15.676      | 2178          | 2185        | 2198         | rVB      | 285305         | 431818        | 60.43%          | 7.170%        |
| 27        | 15.799      | 2201          | 2206        | 2216         | rBV      | 71748          | 112220        | 15.70%          | 1.863%        |
| 28        | 15.911      | 2219          | 2225        | 2231         | rVB6     | 4000           | 6254          | 0.88%           | 0.104%        |
| 29        | 16.363      | 2298          | 2302        | 2311         | rBV      | 5824           | 10141         | 1.42%           | 0.168%        |
| 30        | 16.710      | 2357          | 2361        | 2364         | rBV2     | 922            | 1132          | 0.16%           | 0.019%        |
| 31        | 17.156      | 2434          | 2437        | 2441         | rBV2     | 3658           | 4342          | 0.61%           | 0.072%        |
| 32        | 17.433      | 2477          | 2484        | 2494         | rBV2     | 174012         | 270077        | 37.80%          | 4.484%        |
| 33        | 17.526      | 2494          | 2500        | 2512         | rVV2     | 337441         | 527154        | 73.77%          | 8.753%        |
| 34        | 18.308      | 2627          | 2633        | 2637         | rBV      | 2018           | 2555          | 0.36%           | 0.042%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 18.378 | 2640 | 2645 | 2648 | rBV  | 574    | 1122   | 0.16%   | 0.019%  |
| 36 | 19.454 | 2822 | 2828 | 2831 | rBV  | 4184   | 5901   | 0.83%   | 0.098%  |
| 37 | 19.477 | 2831 | 2832 | 2837 | rVB  | 1538   | 1713   | 0.24%   | 0.028%  |
| 38 | 19.706 | 2865 | 2871 | 2876 | rBV2 | 4360   | 6127   | 0.86%   | 0.102%  |
| 39 | 19.812 | 2883 | 2889 | 2901 | rVB2 | 487298 | 714562 | 100.00% | 11.865% |
| 40 | 19.988 | 2916 | 2919 | 2921 | rBV2 | 881    | 1132   | 0.16%   | 0.019%  |
| 41 | 20.323 | 2972 | 2976 | 2980 | rBV3 | 1367   | 1998   | 0.28%   | 0.033%  |
| 42 | 20.711 | 3038 | 3042 | 3046 | rBV4 | 4752   | 6729   | 0.94%   | 0.112%  |
| 43 | 20.811 | 3056 | 3059 | 3063 | rVB5 | 2683   | 3327   | 0.47%   | 0.055%  |
| 44 | 20.864 | 3065 | 3068 | 3072 | rVB3 | 979    | 1444   | 0.20%   | 0.024%  |
| 45 | 21.111 | 3108 | 3110 | 3113 | rVB3 | 1392   | 1433   | 0.20%   | 0.024%  |
| 46 | 21.181 | 3120 | 3122 | 3127 | rVB4 | 1037   | 1574   | 0.22%   | 0.026%  |
| 47 | 21.228 | 3127 | 3130 | 3132 | rBV3 | 1063   | 1112   | 0.16%   | 0.018%  |
| 48 | 21.257 | 3132 | 3135 | 3136 | rBV2 | 1385   | 1333   | 0.19%   | 0.022%  |
| 49 | 21.316 | 3141 | 3145 | 3152 | rVV3 | 16320  | 27882  | 3.90%   | 0.463%  |
| 50 | 21.387 | 3155 | 3157 | 3160 | rVV3 | 987    | 1161   | 0.16%   | 0.019%  |
| 51 | 21.616 | 3194 | 3196 | 3199 | rBV4 | 1121   | 1336   | 0.19%   | 0.022%  |
| 52 | 21.645 | 3199 | 3201 | 3204 | rVV4 | 1269   | 1363   | 0.19%   | 0.023%  |
| 53 | 21.704 | 3204 | 3211 | 3223 | rVV  | 236096 | 390479 | 54.65%  | 6.484%  |
| 54 | 21.810 | 3227 | 3229 | 3231 | rVV3 | 1352   | 1268   | 0.18%   | 0.021%  |
| 55 | 21.868 | 3234 | 3239 | 3242 | rVB3 | 4644   | 6406   | 0.90%   | 0.106%  |
| 56 | 22.244 | 3300 | 3303 | 3305 | rBV3 | 1181   | 1210   | 0.17%   | 0.020%  |
| 57 | 22.286 | 3308 | 3310 | 3312 | rVB2 | 1409   | 1226   | 0.17%   | 0.020%  |
| 58 | 22.309 | 3312 | 3314 | 3315 | rBV2 | 1164   | 1069   | 0.15%   | 0.018%  |
| 59 | 22.391 | 3326 | 3328 | 3331 | rBV3 | 1517   | 1878   | 0.26%   | 0.031%  |
| 60 | 22.474 | 3336 | 3342 | 3350 | rVV5 | 5872   | 12633  | 1.77%   | 0.210%  |
| 61 | 22.562 | 3356 | 3357 | 3361 | rVB3 | 1516   | 1155   | 0.16%   | 0.019%  |
| 62 | 22.615 | 3364 | 3366 | 3369 | rVB2 | 1248   | 1055   | 0.15%   | 0.018%  |
| 63 | 22.668 | 3372 | 3375 | 3376 | rBV  | 1399   | 1381   | 0.19%   | 0.023%  |
| 64 | 22.979 | 3425 | 3428 | 3430 | rBV4 | 1346   | 1574   | 0.22%   | 0.026%  |
| 65 | 23.161 | 3454 | 3459 | 3465 | rVB5 | 7765   | 14375  | 2.01%   | 0.239%  |
| 66 | 23.255 | 3473 | 3475 | 3477 | rBV2 | 1423   | 1055   | 0.15%   | 0.018%  |
| 67 | 23.355 | 3486 | 3492 | 3498 | rBV2 | 11291  | 19187  | 2.69%   | 0.319%  |
| 68 | 23.425 | 3501 | 3504 | 3505 | rBV3 | 1129   | 1064   | 0.15%   | 0.018%  |
| 69 | 23.437 | 3505 | 3506 | 3509 | rBV2 | 1122   | 1073   | 0.15%   | 0.018%  |
| 70 | 23.660 | 3540 | 3544 | 3545 | rBV4 | 1180   | 1591   | 0.22%   | 0.026%  |
| 71 | 23.813 | 3566 | 3570 | 3578 | rVB5 | 3362   | 7384   | 1.03%   | 0.123%  |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
 Title : SVOA CALIBRATION

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|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 23.966 | 3589 | 3596 | 3605 | rVB4 | 9225   | 20596  | 2.88%  | 0.342%  |
| 73  | 24.084 | 3614 | 3616 | 3619 | rBV2 | 1260   | 1456   | 0.20%  | 0.024%  |
| 74  | 24.395 | 3665 | 3669 | 3670 | rVB2 | 1533   | 1504   | 0.21%  | 0.025%  |
| 75  | 24.736 | 3716 | 3727 | 3741 | rVB  | 259409 | 699414 | 97.88% | 11.613% |
| 76  | 24.953 | 3750 | 3764 | 3777 | rBV2 | 128110 | 383379 | 53.65% | 6.366%  |
| 77  | 25.688 | 3885 | 3889 | 3890 | rVB3 | 1087   | 1100   | 0.15%  | 0.018%  |
| 78  | 25.717 | 3892 | 3894 | 3898 | rVB4 | 1232   | 1205   | 0.17%  | 0.020%  |
| 79  | 25.829 | 3911 | 3913 | 3916 | rVB2 | 1637   | 1239   | 0.17%  | 0.021%  |
| 80  | 26.040 | 3939 | 3949 | 3957 | rBV4 | 10180  | 29453  | 4.12%  | 0.489%  |
| 81  | 26.346 | 4000 | 4001 | 4004 | rBV2 | 1254   | 1153   | 0.16%  | 0.019%  |
| 82  | 26.727 | 4064 | 4066 | 4069 | rVV4 | 1130   | 1147   | 0.16%  | 0.019%  |
| 83  | 27.051 | 4119 | 4121 | 4124 | rBV2 | 1089   | 1225   | 0.17%  | 0.020%  |
| 84  | 27.121 | 4131 | 4133 | 4136 | rVB3 | 1024   | 1300   | 0.18%  | 0.022%  |
| 85  | 27.151 | 4136 | 4138 | 4141 | rVB3 | 1466   | 1159   | 0.16%  | 0.019%  |
| 86  | 27.391 | 4170 | 4179 | 4181 | rBV7 | 8957   | 19402  | 2.72%  | 0.322%  |
| 87  | 28.196 | 4314 | 4316 | 4319 | rBV3 | 1759   | 1604   | 0.22%  | 0.027%  |
| 88  | 28.296 | 4330 | 4333 | 4336 | rBV4 | 1157   | 1380   | 0.19%  | 0.023%  |
| 89  | 28.666 | 4394 | 4396 | 4400 | rBV3 | 1181   | 1473   | 0.21%  | 0.024%  |
| 90  | 28.713 | 4402 | 4404 | 4408 | rBV4 | 1112   | 1441   | 0.20%  | 0.024%  |
| 91  | 28.966 | 4445 | 4447 | 4448 | rBV  | 2086   | 1466   | 0.21%  | 0.024%  |
| 92  | 29.019 | 4450 | 4456 | 4458 | rBV5 | 3728   | 8146   | 1.14%  | 0.135%  |
| 93  | 29.336 | 4506 | 4510 | 4512 | rBV2 | 976    | 1304   | 0.18%  | 0.022%  |
| 94  | 29.653 | 4562 | 4564 | 4566 | rBV2 | 1231   | 1115   | 0.16%  | 0.019%  |
| 95  | 30.212 | 4657 | 4659 | 4661 | rBV2 | 1240   | 1043   | 0.15%  | 0.017%  |
| 96  | 30.711 | 4741 | 4744 | 4745 | rBV3 | 962    | 1178   | 0.16%  | 0.020%  |
| 97  | 30.758 | 4750 | 4752 | 4755 | rVB3 | 1053   | 1166   | 0.16%  | 0.019%  |
| 98  | 30.975 | 4781 | 4789 | 4790 | rBV3 | 3733   | 6596   | 0.92%  | 0.110%  |
| 99  | 31.146 | 4816 | 4818 | 4822 | rBV4 | 1022   | 1668   | 0.23%  | 0.028%  |
| 100 | 31.598 | 4894 | 4895 | 4899 | rBV3 | 1235   | 1162   | 0.16%  | 0.019%  |

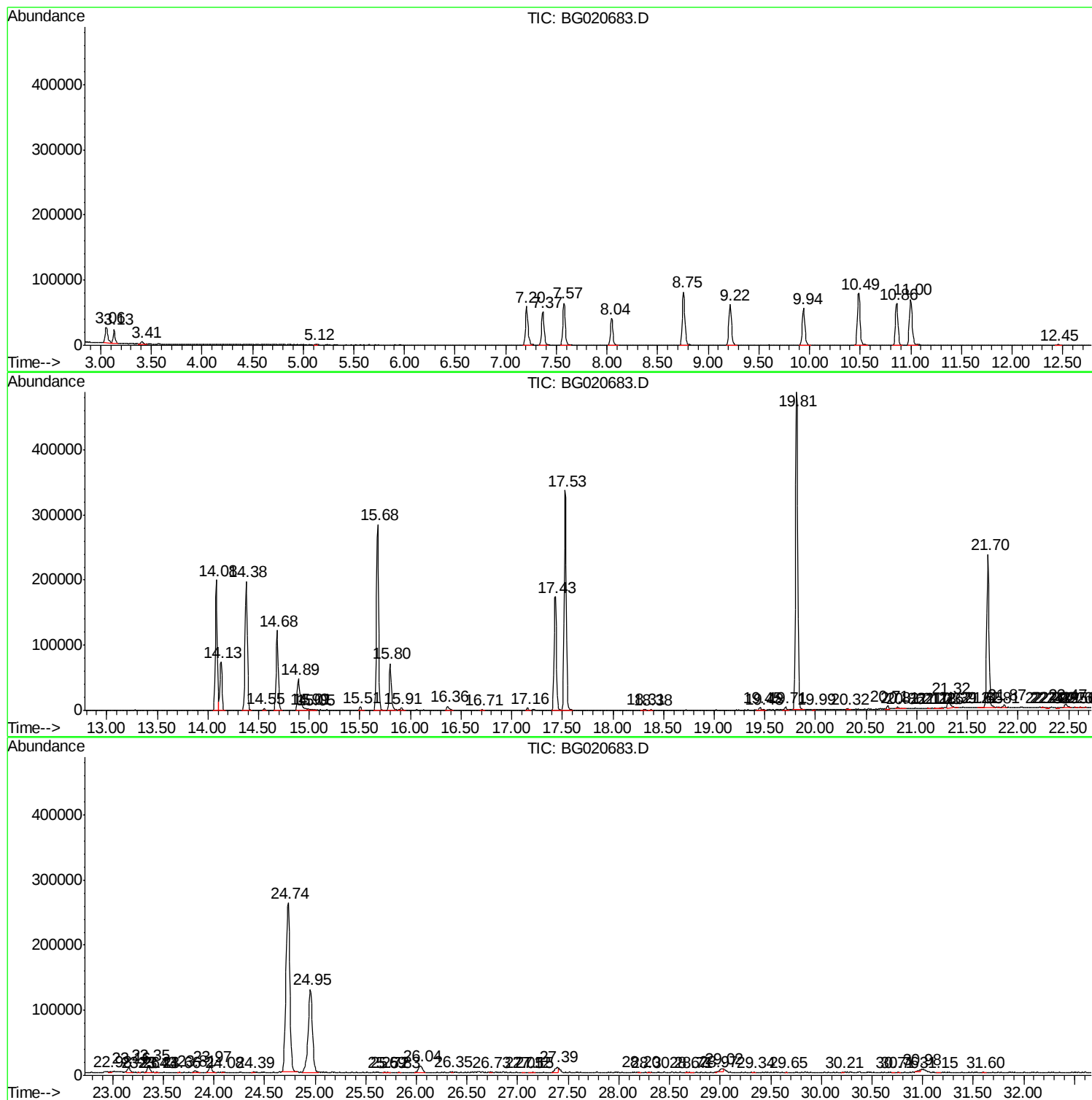
Sum of corrected areas: 6022603

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011216.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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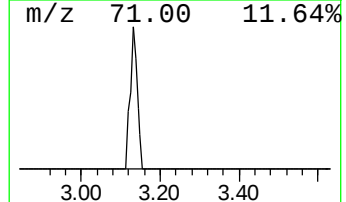
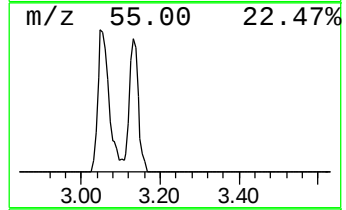
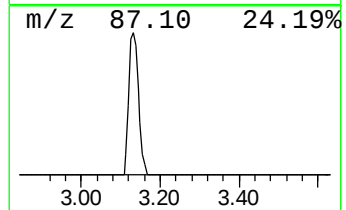
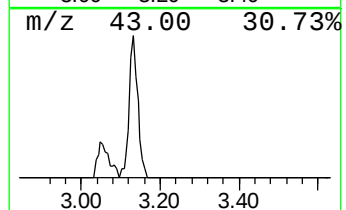
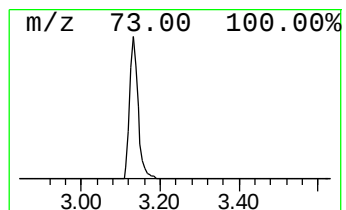
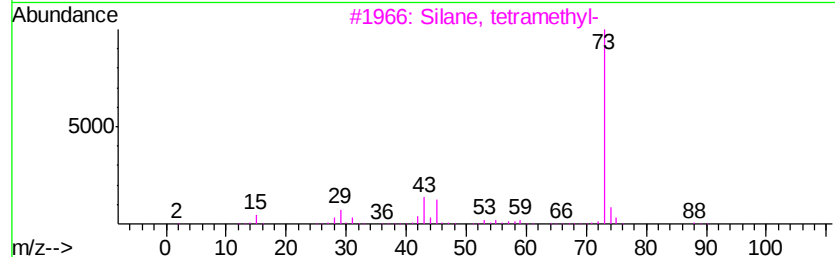
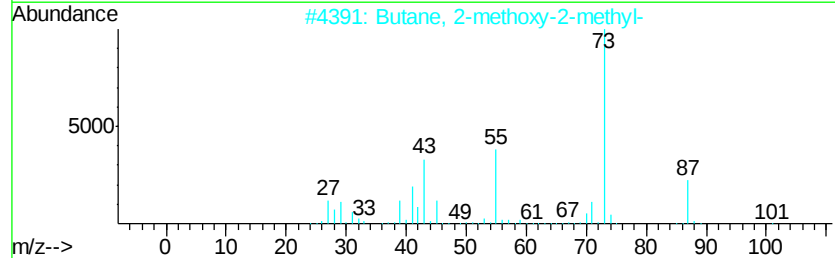
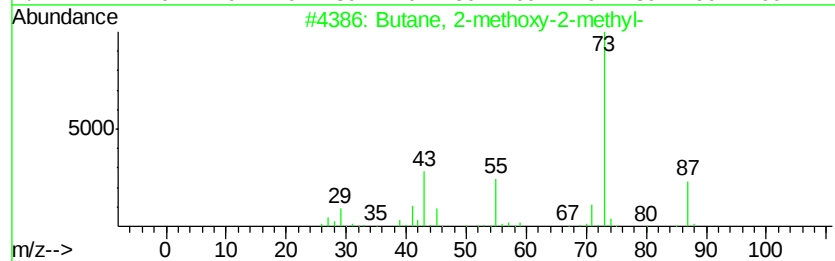
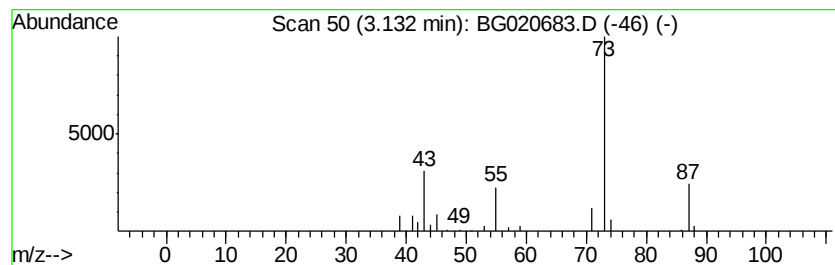
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 3.13 | 8.41 ng/ul | 29114 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |       |      |
|----------------------|------|---------|-------|----------|-----------------------|------|-------|------|
|                      |      |         |       |          | #                     | RT   | Resp  | Conc |
| Butane, 2-methoxy... | 3.13 | 8.4     | ng/ul | 29114    | 1                     | 8.05 | 69239 | 20.0 |