

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG092215\  
 Data File : BG018826.D  
 Acq On : 22 Sep 2015 21:13  
 Operator : UM/NP  
 Sample : G3758-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHAA6

## 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-BG091015.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.886    | 5          | 8        | 17        | rVB2  | 18275       | 26004      | 1.93%        | 0.178%     |
| 2      | 3.038    | 32         | 34       | 39        | rVV2  | 3823        | 4234       | 0.31%        | 0.029%     |
| 3      | 3.103    | 41         | 45       | 53        | rVV2  | 28459       | 51318      | 3.82%        | 0.351%     |
| 4      | 3.179    | 53         | 58       | 71        | rVB   | 338758      | 489953     | 36.43%       | 3.356%     |
| 5      | 3.438    | 99         | 102      | 111       | rVB2  | 8575        | 11461      | 0.85%        | 0.078%     |
| 6      | 3.714    | 146        | 149      | 154       | rBV2  | 4332        | 6137       | 0.46%        | 0.042%     |
| 7      | 4.002    | 195        | 198      | 202       | rVB4  | 2280        | 2804       | 0.21%        | 0.019%     |
| 8      | 4.184    | 226        | 229      | 232       | rBV3  | 1354        | 1877       | 0.14%        | 0.013%     |
| 9      | 5.101    | 380        | 385      | 391       | rBV2  | 13134       | 20563      | 1.53%        | 0.141%     |
| 10     | 6.082    | 545        | 552      | 555       | rBV4  | 1909        | 2782       | 0.21%        | 0.019%     |
| 11     | 6.117    | 555        | 558      | 562       | rVB3  | 1137        | 1944       | 0.14%        | 0.013%     |
| 12     | 7.163    | 728        | 736      | 748       | rBV   | 145255      | 256404     | 19.06%       | 1.756%     |
| 13     | 7.322    | 755        | 763      | 771       | rBV   | 135009      | 218515     | 16.25%       | 1.497%     |
| 14     | 7.415    | 776        | 779      | 784       | rVB5  | 1948        | 2518       | 0.19%        | 0.017%     |
| 15     | 7.533    | 792        | 799      | 808       | rBV   | 147035      | 252306     | 18.76%       | 1.728%     |
| 16     | 7.997    | 871        | 878      | 885       | rBV   | 159687      | 267159     | 19.86%       | 1.830%     |
| 17     | 8.056    | 885        | 888      | 891       | rVB3  | 3989        | 5059       | 0.38%        | 0.035%     |
| 18     | 8.702    | 991        | 998      | 1008      | rBV2  | 193567      | 335211     | 24.92%       | 2.296%     |
| 19     | 9.155    | 1067       | 1075     | 1082      | rBV   | 148401      | 245694     | 18.27%       | 1.683%     |
| 20     | 9.578    | 1143       | 1147     | 1151      | rVB2  | 3059        | 4942       | 0.37%        | 0.034%     |
| 21     | 9.877    | 1187       | 1198     | 1208      | rBV   | 115310      | 218990     | 16.28%       | 1.500%     |
| 22     | 10.306   | 1267       | 1271     | 1275      | rBV2  | 1336        | 1812       | 0.13%        | 0.012%     |
| 23     | 10.424   | 1283       | 1291     | 1302      | rBV   | 190006      | 346908     | 25.79%       | 2.376%     |
| 24     | 10.565   | 1311       | 1315     | 1323      | rVB4  | 2407        | 4669       | 0.35%        | 0.032%     |
| 25     | 10.800   | 1348       | 1355     | 1363      | rBV   | 235956      | 402315     | 29.91%       | 2.755%     |
| 26     | 10.935   | 1371       | 1378     | 1391      | rBV   | 170895      | 336922     | 25.05%       | 2.308%     |
| 27     | 12.980   | 1723       | 1726     | 1731      | rVB4  | 4311        | 5842       | 0.43%        | 0.040%     |
| 28     | 13.232   | 1763       | 1769     | 1773      | rVB3  | 5652        | 7405       | 0.55%        | 0.051%     |
| 29     | 13.837   | 1867       | 1872     | 1876      | rVB2  | 4301        | 6921       | 0.51%        | 0.047%     |
| 30     | 14.025   | 1898       | 1904     | 1908      | rBV   | 438668      | 610416     | 45.38%       | 4.181%     |
| 31     | 14.072   | 1908       | 1912     | 1921      | rVB   | 244648      | 347623     | 25.84%       | 2.381%     |
| 32     | 14.149   | 1921       | 1925     | 1932      | rBV6  | 2540        | 4909       | 0.36%        | 0.034%     |
| 33     | 14.266   | 1942       | 1945     | 1947      | rBV2  | 1945        | 2442       | 0.18%        | 0.017%     |
| 34     | 14.319   | 1947       | 1954     | 1961      | rVV   | 477524      | 728162     | 54.14%       | 4.987%     |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 14.513 | 1982 | 1987 | 1990 | rBV2 | 5440   | 7461    | 0.55%   | 0.051% |
| 36 | 14.625 | 2000 | 2006 | 2015 | rVB2 | 385828 | 626962  | 46.61%  | 4.294% |
| 37 | 14.819 | 2034 | 2039 | 2050 | rBV  | 168923 | 296966  | 22.08%  | 2.034% |
| 38 | 15.136 | 2088 | 2093 | 2095 | rBV3 | 2325   | 3327    | 0.25%   | 0.023% |
| 39 | 15.418 | 2137 | 2141 | 2144 | rBV5 | 4336   | 6147    | 0.46%   | 0.042% |
| 40 | 15.465 | 2144 | 2149 | 2154 | rVB2 | 14281  | 18399   | 1.37%   | 0.126% |
| 41 | 15.612 | 2168 | 2174 | 2182 | rBV  | 641296 | 961164  | 71.46%  | 6.583% |
| 42 | 15.729 | 2187 | 2194 | 2205 | rBV  | 146370 | 209776  | 15.60%  | 1.437% |
| 43 | 15.853 | 2207 | 2215 | 2222 | rBV4 | 9062   | 18433   | 1.37%   | 0.126% |
| 44 | 15.970 | 2233 | 2235 | 2239 | rVB2 | 2581   | 2333    | 0.17%   | 0.016% |
| 45 | 16.011 | 2239 | 2242 | 2247 | rBV3 | 2626   | 3893    | 0.29%   | 0.027% |
| 46 | 16.323 | 2290 | 2295 | 2298 | rBV  | 17318  | 24477   | 1.82%   | 0.168% |
| 47 | 16.440 | 2312 | 2315 | 2318 | rVB4 | 1771   | 2149    | 0.16%   | 0.015% |
| 48 | 16.499 | 2322 | 2325 | 2330 | rVB3 | 5407   | 8457    | 0.63%   | 0.058% |
| 49 | 16.540 | 2330 | 2332 | 2334 | rBV  | 2043   | 2296    | 0.17%   | 0.016% |
| 50 | 16.569 | 2334 | 2337 | 2339 | rBV3 | 1841   | 2057    | 0.15%   | 0.014% |
| 51 | 16.663 | 2348 | 2353 | 2357 | rBV5 | 2700   | 4347    | 0.32%   | 0.030% |
| 52 | 16.834 | 2379 | 2382 | 2384 | rVB3 | 2639   | 2808    | 0.21%   | 0.019% |
| 53 | 16.893 | 2388 | 2392 | 2396 | rBV5 | 2663   | 5451    | 0.41%   | 0.037% |
| 54 | 17.116 | 2425 | 2430 | 2435 | rBV  | 16467  | 24033   | 1.79%   | 0.165% |
| 55 | 17.163 | 2435 | 2438 | 2444 | rVB6 | 6288   | 9847    | 0.73%   | 0.067% |
| 56 | 17.245 | 2449 | 2452 | 2454 | rBV4 | 1963   | 2390    | 0.18%   | 0.016% |
| 57 | 17.369 | 2466 | 2473 | 2479 | rBV2 | 581275 | 889978  | 66.17%  | 6.095% |
| 58 | 17.463 | 2483 | 2489 | 2497 | rVV  | 764733 | 1170965 | 87.06%  | 8.020% |
| 59 | 17.539 | 2499 | 2502 | 2506 | rVB4 | 2200   | 2946    | 0.22%   | 0.020% |
| 60 | 17.586 | 2508 | 2510 | 2513 | rVB4 | 3185   | 3362    | 0.25%   | 0.023% |
| 61 | 17.645 | 2513 | 2520 | 2521 | rBV4 | 2744   | 4586    | 0.34%   | 0.031% |
| 62 | 17.709 | 2529 | 2531 | 2533 | rBV2 | 1724   | 1847    | 0.14%   | 0.013% |
| 63 | 17.850 | 2552 | 2555 | 2560 | rVB4 | 11712  | 13475   | 1.00%   | 0.092% |
| 64 | 18.032 | 2583 | 2586 | 2587 | rVB3 | 2307   | 1947    | 0.14%   | 0.013% |
| 65 | 18.126 | 2599 | 2602 | 2603 | rBV3 | 2096   | 2125    | 0.16%   | 0.015% |
| 66 | 18.250 | 2619 | 2623 | 2629 | rBV2 | 38099  | 58083   | 4.32%   | 0.398% |
| 67 | 18.379 | 2643 | 2645 | 2649 | rVB4 | 1997   | 1915    | 0.14%   | 0.013% |
| 68 | 19.172 | 2778 | 2780 | 2783 | rBV3 | 3333   | 2956    | 0.22%   | 0.020% |
| 69 | 19.642 | 2857 | 2860 | 2862 | rVB2 | 5971   | 6079    | 0.45%   | 0.042% |
| 70 | 19.748 | 2872 | 2878 | 2886 | rBV  | 945227 | 1345066 | 100.00% | 9.212% |
| 71 | 20.447 | 2995 | 2997 | 3003 | rVB6 | 3344   | 3191    | 0.24%   | 0.022% |

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Sampling : 1  
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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-BG091015.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 20.770 | 3049 | 3052 | 3055 | rVB5 | 7996   | 8459    | 0.63%  | 0.058% |
| 73 | 21.123 | 3110 | 3112 | 3114 | rBV3 | 3970   | 3777    | 0.28%  | 0.026% |
| 74 | 21.217 | 3126 | 3128 | 3130 | rBV3 | 4688   | 4520    | 0.34%  | 0.031% |
| 75 | 21.264 | 3131 | 3136 | 3145 | rVV3 | 46835  | 91578   | 6.81%  | 0.627% |
| 76 | 21.505 | 3175 | 3177 | 3183 | rVB2 | 16882  | 23203   | 1.73%  | 0.159% |
| 77 | 21.622 | 3191 | 3197 | 3209 | rVB2 | 757552 | 1191442 | 88.58% | 8.160% |
| 78 | 24.590 | 3691 | 3702 | 3715 | rBV  | 420037 | 1089761 | 81.02% | 7.464% |
| 79 | 24.813 | 3729 | 3740 | 3754 | rVB  | 435160 | 1204137 | 89.52% | 8.247% |

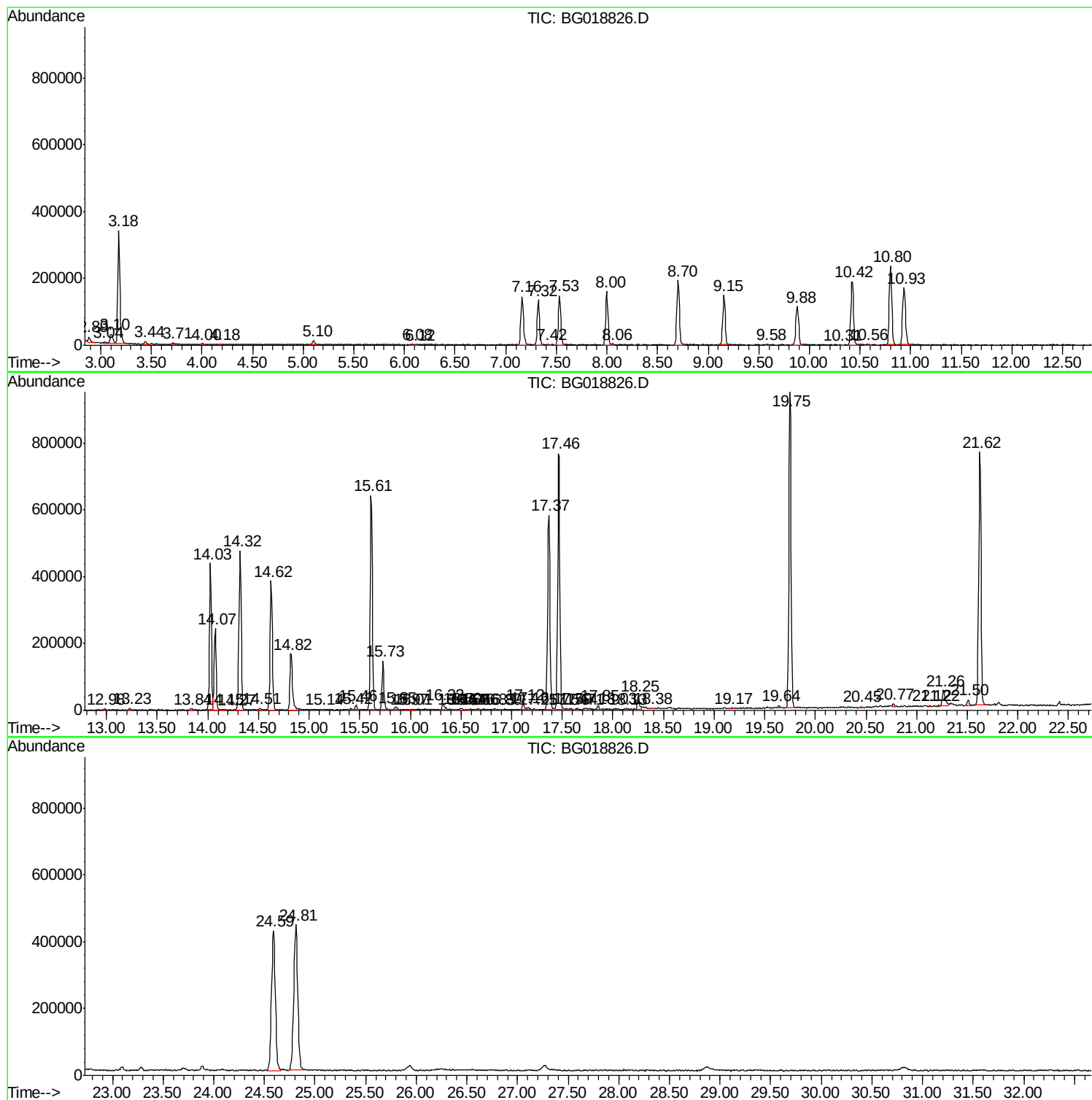
Sum of corrected areas: 14600792

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG091015.M  
Quant Title : SVOA CALIBRATION

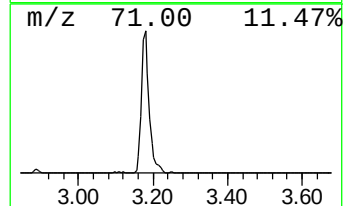
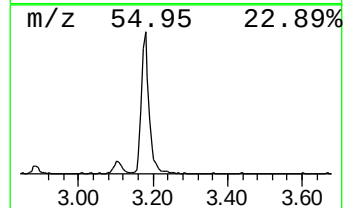
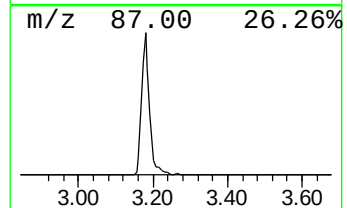
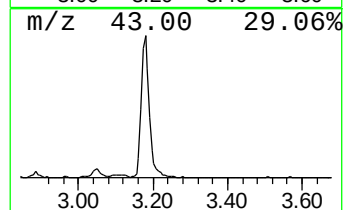
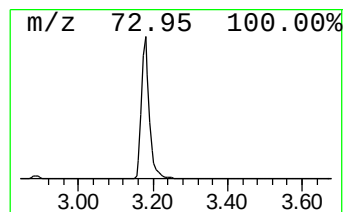
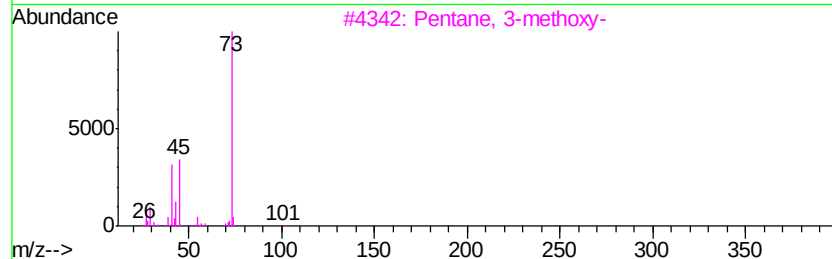
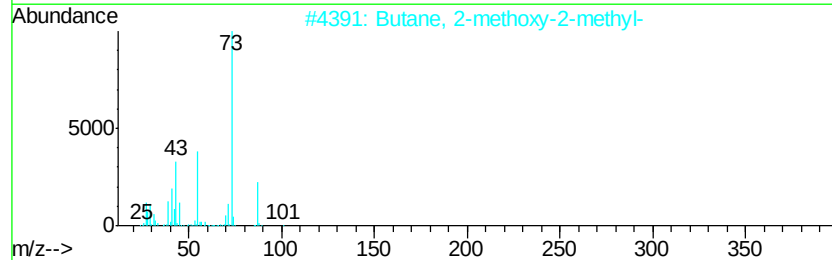
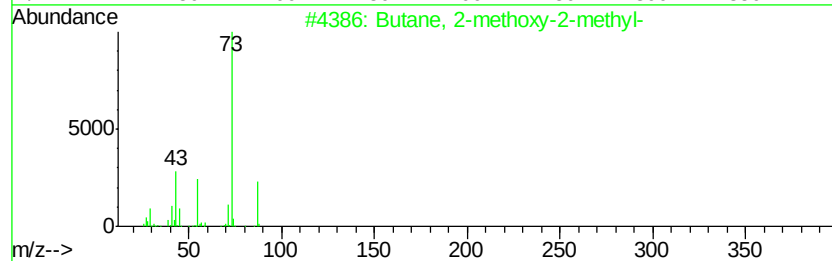
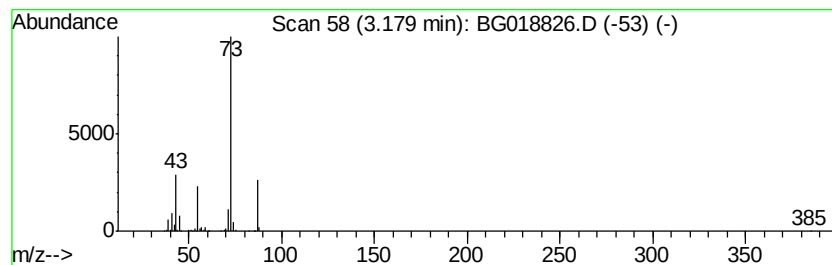
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.18 | 36.68 ng/ul | 489953 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 86   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.18 | 36.7    | ng/ul | 489953   | 1                     | 8.00 | 267159 | 20.0 |