

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\  
 Data File : BG019744.D  
 Acq On : 21 Nov 2015 7:02  
 Operator : UM/NP  
 Sample : G4428-13  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC7C1

## 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-BG111615.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      | 3.040    | 29         | 34       | 43        | rBV2  | 30755       | 71742      | 8.75%        | 0.890%     |
| 2      | 3.123    | 43         | 48       | 55        | rVB2  | 39249       | 64358      | 7.85%        | 0.798%     |
| 3      | 3.411    | 93         | 97       | 99        | rBV4  | 3553        | 4935       | 0.60%        | 0.061%     |
| 4      | 6.290    | 583        | 587      | 592       | rBV2  | 815         | 1598       | 0.19%        | 0.020%     |
| 5      | 7.265    | 746        | 753      | 765       | rBV   | 87340       | 150564     | 18.36%       | 1.867%     |
| 6      | 7.429    | 774        | 781      | 791       | rBV2  | 70873       | 112687     | 13.74%       | 1.397%     |
| 7      | 7.641    | 811        | 817      | 826       | rVB   | 87626       | 145774     | 17.78%       | 1.808%     |
| 8      | 8.117    | 891        | 898      | 908       | rBV   | 99379       | 172242     | 21.00%       | 2.136%     |
| 9      | 8.822    | 1012       | 1018     | 1025      | rBV2  | 113341      | 193060     | 23.54%       | 2.394%     |
| 10     | 9.286    | 1091       | 1097     | 1105      | rVB   | 89323       | 152503     | 18.60%       | 1.891%     |
| 11     | 9.421    | 1114       | 1120     | 1121      | rBV2  | 1059        | 1812       | 0.22%        | 0.022%     |
| 12     | 10.015   | 1215       | 1221     | 1228      | rVB   | 76801       | 132022     | 16.10%       | 1.637%     |
| 13     | 10.561   | 1307       | 1314     | 1322      | rVB   | 110457      | 193035     | 23.54%       | 2.394%     |
| 14     | 10.943   | 1372       | 1379     | 1387      | rVB   | 139507      | 240281     | 29.30%       | 2.979%     |
| 15     | 11.072   | 1395       | 1401     | 1410      | rVB   | 97695       | 178316     | 21.75%       | 2.211%     |
| 16     | 11.454   | 1462       | 1466     | 1469      | rBV   | 2664        | 2820       | 0.34%        | 0.035%     |
| 17     | 11.519   | 1473       | 1477     | 1482      | rVB   | 2198        | 3033       | 0.37%        | 0.038%     |
| 18     | 12.118   | 1575       | 1579     | 1582      | rBV2  | 1865        | 2178       | 0.27%        | 0.027%     |
| 19     | 13.111   | 1744       | 1748     | 1752      | rBV2  | 5801        | 8589       | 1.05%        | 0.107%     |
| 20     | 13.352   | 1785       | 1789     | 1793      | rVB4  | 8791        | 11973      | 1.46%        | 0.148%     |
| 21     | 13.634   | 1834       | 1837     | 1842      | rVB2  | 1308        | 2007       | 0.24%        | 0.025%     |
| 22     | 14.151   | 1918       | 1925     | 1929      | rBV   | 234679      | 337920     | 41.21%       | 4.190%     |
| 23     | 14.198   | 1929       | 1933     | 1939      | rVB   | 196733      | 273148     | 33.31%       | 3.387%     |
| 24     | 14.451   | 1970       | 1976     | 1983      | rVB   | 199957      | 302162     | 36.85%       | 3.747%     |
| 25     | 14.627   | 2002       | 2006     | 2009      | rBV3  | 3454        | 4497       | 0.55%        | 0.056%     |
| 26     | 14.756   | 2020       | 2028     | 2035      | rBV2  | 240222      | 384489     | 46.89%       | 4.768%     |
| 27     | 14.944   | 2054       | 2060     | 2068      | rBV2  | 95713       | 155779     | 19.00%       | 1.932%     |
| 28     | 15.021   | 2070       | 2073     | 2075      | rVV2  | 1392        | 1555       | 0.19%        | 0.019%     |
| 29     | 15.526   | 2154       | 2159     | 2164      | rBV   | 6878        | 10362      | 1.26%        | 0.128%     |
| 30     | 15.573   | 2164       | 2167     | 2171      | rVB2  | 9450        | 12324      | 1.50%        | 0.153%     |
| 31     | 15.743   | 2189       | 2196     | 2204      | rVB   | 270453      | 399489     | 48.72%       | 4.954%     |
| 32     | 15.855   | 2210       | 2215     | 2222      | rVV2  | 78671       | 117790     | 14.36%       | 1.461%     |
| 33     | 15.955   | 2230       | 2232     | 2233      | rBV   | 2962        | 2074       | 0.25%        | 0.026%     |
| 34     | 15.984   | 2233       | 2237     | 2239      | rVV5  | 4772        | 6634       | 0.81%        | 0.082%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 16.072 | 2249 | 2252 | 2256 | rVB2 | 1571   | 1786   | 0.22%  | 0.022% |
| 36 | 16.190 | 2270 | 2272 | 2277 | rVB  | 1763   | 1802   | 0.22%  | 0.022% |
| 37 | 16.278 | 2284 | 2287 | 2291 | rVV  | 1000   | 1842   | 0.22%  | 0.023% |
| 38 | 16.431 | 2309 | 2313 | 2316 | rBV2 | 12373  | 17656  | 2.15%  | 0.219% |
| 39 | 16.531 | 2328 | 2330 | 2333 | rVB  | 1542   | 1585   | 0.19%  | 0.020% |
| 40 | 16.566 | 2333 | 2336 | 2339 | rBV3 | 2696   | 2666   | 0.33%  | 0.033% |
| 41 | 16.613 | 2339 | 2344 | 2350 | rBV3 | 4649   | 7122   | 0.87%  | 0.088% |
| 42 | 16.695 | 2354 | 2358 | 2360 | rBV2 | 1543   | 1469   | 0.18%  | 0.018% |
| 43 | 16.771 | 2366 | 2371 | 2374 | rBV2 | 2389   | 3677   | 0.45%  | 0.046% |
| 44 | 16.842 | 2379 | 2383 | 2385 | rVB2 | 1718   | 2077   | 0.25%  | 0.026% |
| 45 | 16.936 | 2397 | 2399 | 2403 | rVB3 | 2175   | 2534   | 0.31%  | 0.031% |
| 46 | 17.006 | 2406 | 2411 | 2416 | rVB  | 2192   | 3912   | 0.48%  | 0.049% |
| 47 | 17.042 | 2416 | 2417 | 2423 | rBV  | 1854   | 2771   | 0.34%  | 0.034% |
| 48 | 17.106 | 2423 | 2428 | 2430 | rBV4 | 1439   | 2236   | 0.27%  | 0.028% |
| 49 | 17.224 | 2443 | 2448 | 2452 | rVV2 | 12498  | 16132  | 1.97%  | 0.200% |
| 50 | 17.271 | 2452 | 2456 | 2462 | rVB3 | 4912   | 8300   | 1.01%  | 0.103% |
| 51 | 17.494 | 2488 | 2494 | 2501 | rVV2 | 371904 | 568195 | 69.29% | 7.045% |
| 52 | 17.594 | 2504 | 2511 | 2519 | rVB  | 336111 | 487161 | 59.41% | 6.041% |
| 53 | 17.764 | 2536 | 2540 | 2542 | rBV  | 1517   | 1993   | 0.24%  | 0.025% |
| 54 | 17.847 | 2548 | 2554 | 2556 | rBV6 | 3468   | 6126   | 0.75%  | 0.076% |
| 55 | 17.958 | 2570 | 2573 | 2581 | rBV2 | 9021   | 12280  | 1.50%  | 0.152% |
| 56 | 18.140 | 2600 | 2604 | 2606 | rVB2 | 2190   | 2047   | 0.25%  | 0.025% |
| 57 | 18.270 | 2624 | 2626 | 2629 | rVB3 | 2049   | 2103   | 0.26%  | 0.026% |
| 58 | 18.364 | 2636 | 2642 | 2645 | rBV4 | 6887   | 11252  | 1.37%  | 0.140% |
| 59 | 18.434 | 2652 | 2654 | 2657 | rVB2 | 2085   | 1597   | 0.19%  | 0.020% |
| 60 | 18.469 | 2657 | 2660 | 2661 | rVB  | 2327   | 1820   | 0.22%  | 0.023% |
| 61 | 18.493 | 2661 | 2664 | 2667 | rBV3 | 1466   | 1549   | 0.19%  | 0.019% |
| 62 | 18.522 | 2667 | 2669 | 2673 | rVV3 | 1121   | 1727   | 0.21%  | 0.021% |
| 63 | 18.563 | 2673 | 2676 | 2677 | rVV  | 1768   | 1518   | 0.19%  | 0.019% |
| 64 | 18.581 | 2677 | 2679 | 2682 | rVB2 | 1450   | 1546   | 0.19%  | 0.019% |
| 65 | 18.652 | 2687 | 2691 | 2695 | rBV3 | 4890   | 6742   | 0.82%  | 0.084% |
| 66 | 18.781 | 2708 | 2713 | 2717 | rBV4 | 5112   | 7011   | 0.85%  | 0.087% |
| 67 | 18.869 | 2725 | 2728 | 2731 | rVB3 | 2830   | 3080   | 0.38%  | 0.038% |
| 68 | 18.904 | 2731 | 2734 | 2735 | rVB3 | 1930   | 1516   | 0.18%  | 0.019% |
| 69 | 18.916 | 2735 | 2736 | 2739 | rBV3 | 1194   | 1561   | 0.19%  | 0.019% |
| 70 | 18.951 | 2740 | 2742 | 2747 | rVB5 | 2153   | 3163   | 0.39%  | 0.039% |
| 71 | 19.075 | 2761 | 2763 | 2765 | rBV3 | 1230   | 1439   | 0.18%  | 0.018% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |         |         |
|-----|--------|------|------|------|------|--------|--------|---------|---------|
| 72  | 19.122 | 2769 | 2771 | 2775 | rVB4 | 2569   | 2958   | 0.36%   | 0.037%  |
| 73  | 19.210 | 2783 | 2786 | 2790 | rVV4 | 5387   | 5807   | 0.71%   | 0.072%  |
| 74  | 19.274 | 2793 | 2797 | 2801 | rBV5 | 3183   | 4200   | 0.51%   | 0.052%  |
| 75  | 19.509 | 2832 | 2837 | 2839 | rBV2 | 5104   | 7433   | 0.91%   | 0.092%  |
| 76  | 19.692 | 2866 | 2868 | 2869 | rBV2 | 2270   | 1635   | 0.20%   | 0.020%  |
| 77  | 19.750 | 2875 | 2878 | 2885 | rVB2 | 7734   | 11895  | 1.45%   | 0.147%  |
| 78  | 19.874 | 2893 | 2899 | 2905 | rVB  | 426049 | 600960 | 73.29%  | 7.452%  |
| 79  | 20.279 | 2966 | 2968 | 2971 | rVB3 | 4539   | 3402   | 0.41%   | 0.042%  |
| 80  | 20.549 | 3012 | 3014 | 3015 | rBV2 | 2569   | 1644   | 0.20%   | 0.020%  |
| 81  | 20.967 | 3083 | 3085 | 3090 | rBV5 | 5442   | 7722   | 0.94%   | 0.096%  |
| 82  | 21.014 | 3091 | 3093 | 3097 | rVB4 | 8593   | 10043  | 1.22%   | 0.125%  |
| 83  | 21.378 | 3150 | 3155 | 3160 | rBV4 | 17169  | 27817  | 3.39%   | 0.345%  |
| 84  | 21.630 | 3193 | 3198 | 3201 | rVB  | 14879  | 20969  | 2.56%   | 0.260%  |
| 85  | 21.766 | 3214 | 3221 | 3229 | rVB  | 501486 | 820028 | 100.00% | 10.168% |
| 86  | 21.895 | 3241 | 3243 | 3244 | rBV2 | 3336   | 2287   | 0.28%   | 0.028%  |
| 87  | 21.924 | 3246 | 3248 | 3255 | rVB8 | 4613   | 5677   | 0.69%   | 0.070%  |
| 88  | 22.547 | 3349 | 3354 | 3359 | rBV6 | 6949   | 14202  | 1.73%   | 0.176%  |
| 89  | 22.988 | 3427 | 3429 | 3430 | rVB2 | 4302   | 2083   | 0.25%   | 0.026%  |
| 90  | 24.069 | 3610 | 3613 | 3622 | rVB6 | 15131  | 28404  | 3.46%   | 0.352%  |
| 91  | 24.222 | 3637 | 3639 | 3640 | rBV  | 2774   | 1773   | 0.22%   | 0.022%  |
| 92  | 24.833 | 3733 | 3743 | 3752 | rVB  | 222990 | 595332 | 72.60%  | 7.382%  |
| 93  | 25.062 | 3771 | 3782 | 3792 | rBV  | 286309 | 807187 | 98.43%  | 10.009% |
| 94  | 25.937 | 3929 | 3931 | 3932 | rBV2 | 3801   | 2883   | 0.35%   | 0.036%  |
| 95  | 28.940 | 4440 | 4442 | 4444 | rVB3 | 3593   | 1659   | 0.20%   | 0.021%  |
| 96  | 29.257 | 4491 | 4496 | 4497 | rBV4 | 8371   | 12382  | 1.51%   | 0.154%  |
| 97  | 29.697 | 4569 | 4571 | 4573 | rVB2 | 3126   | 1815   | 0.22%   | 0.023%  |
| 98  | 30.309 | 4673 | 4675 | 4677 | rBV3 | 3332   | 2468   | 0.30%   | 0.031%  |
| 99  | 30.614 | 4725 | 4727 | 4728 | rBV2 | 2839   | 1805   | 0.22%   | 0.022%  |
| 100 | 31.566 | 4888 | 4889 | 4890 | rBV  | 3352   | 1516   | 0.18%   | 0.019%  |

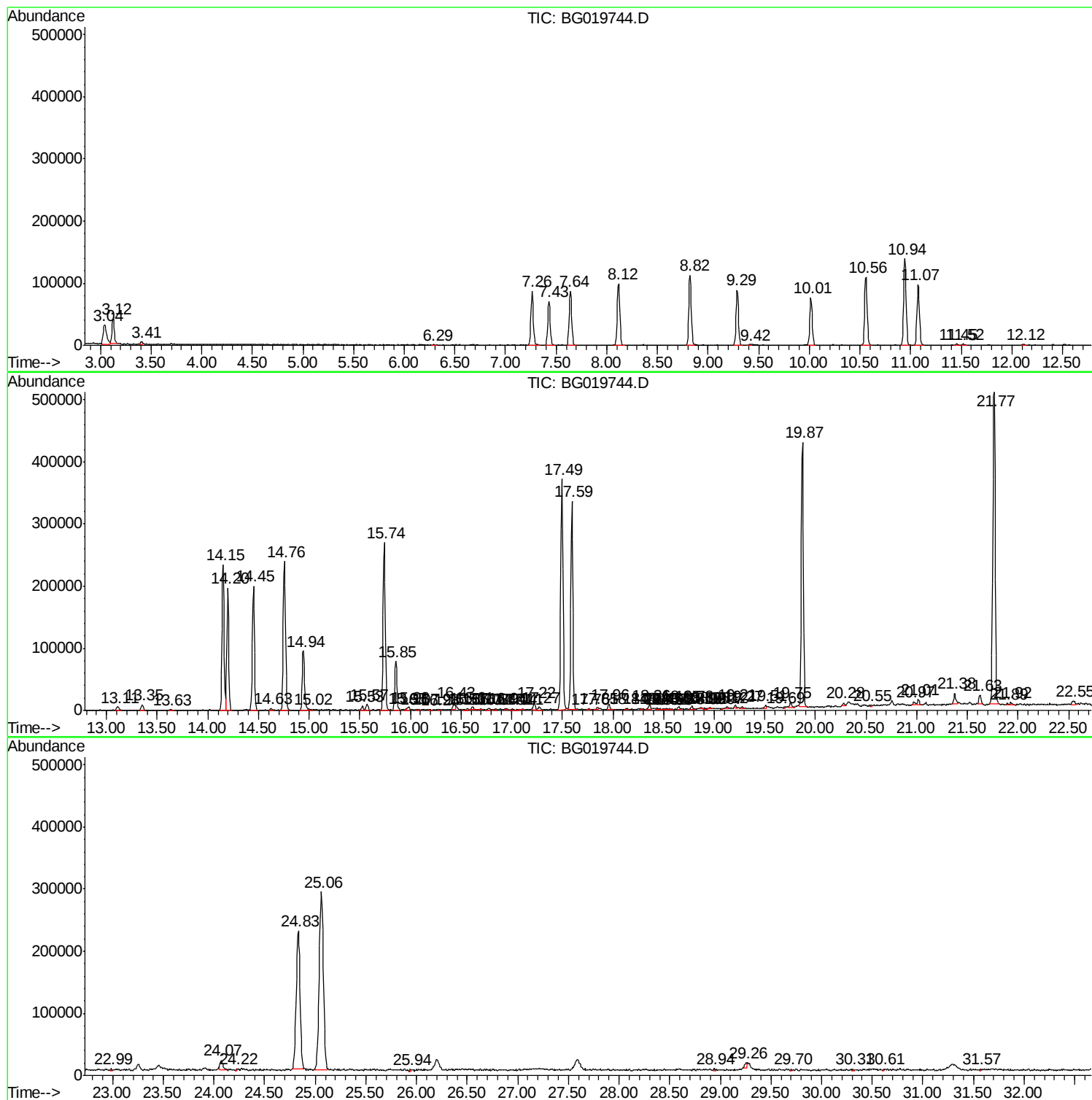
Sum of corrected areas: 8064731

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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



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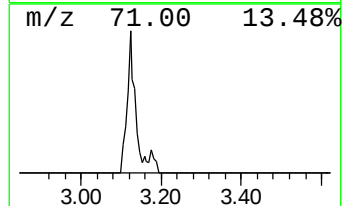
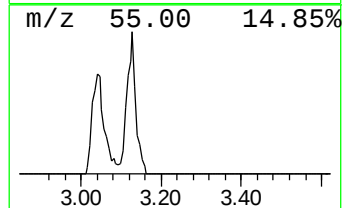
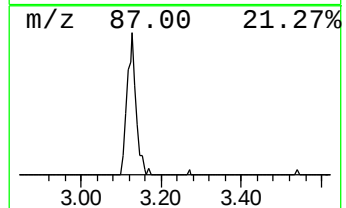
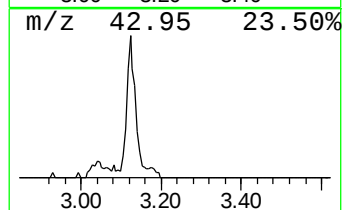
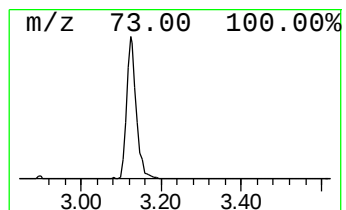
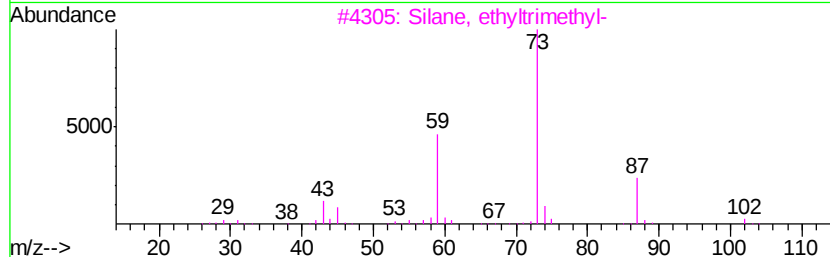
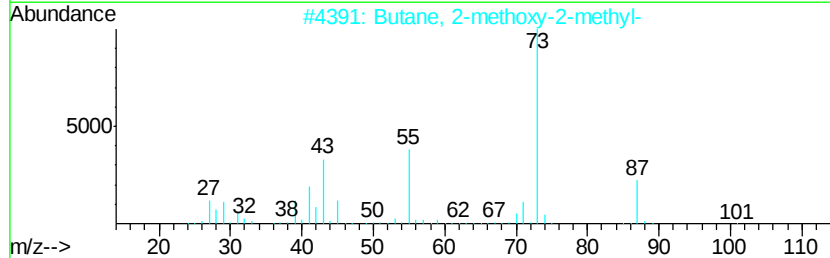
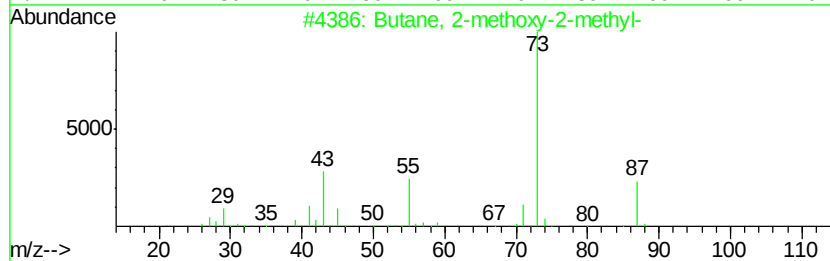
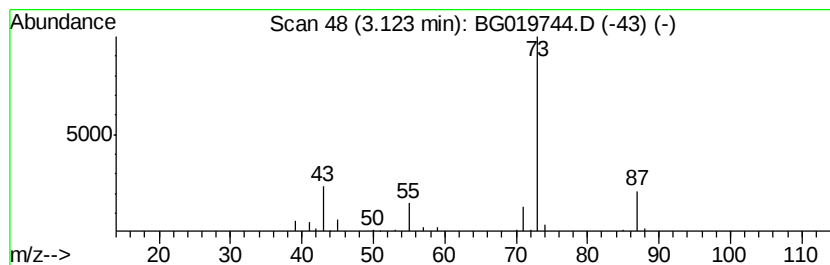
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 3.12 | 7.47 ng/ul | 64358 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 39   |
| 3    |    | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 33   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 9    |
| 5    |    | 3-Hexanol, 2-methyl-        | 116 | C7H16O  | 000617-29-8 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.12 | 7.5     | ng/ul | 64358    | 1                     | 8.12 | 172242 | 20.0 |