

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061915\  
 Data File : BG017732.D  
 Acq On : 19 Jun 2015 16:47  
 Operator : TP/IZ  
 Sample : PB84117BL  
 Misc : SBLK75  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK75

## 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-BG061915.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         | 2.812       | 18            | 21          | 30           | rVB3     | 32407          | 55547         | 2.49%           | 0.237%        |
| 2         | 2.888       | 30            | 34          | 43           | rVB      | 133526         | 178558        | 8.01%           | 0.762%        |
| 3         | 3.141       | 74            | 77          | 82           | rVB4     | 19418          | 25937         | 1.16%           | 0.111%        |
| 4         | 3.687       | 166           | 170         | 174          | rVB4     | 8794           | 14317         | 0.64%           | 0.061%        |
| 5         | 3.946       | 212           | 214         | 216          | rBV2     | 4662           | 4116          | 0.18%           | 0.018%        |
| 6         | 4.005       | 220           | 224         | 227          | rVB5     | 3685           | 5054          | 0.23%           | 0.022%        |
| 7         | 4.193       | 255           | 256         | 259          | rBV2     | 3147           | 3023          | 0.14%           | 0.013%        |
| 8         | 4.545       | 313           | 316         | 318          | rBV3     | 3707           | 3941          | 0.18%           | 0.017%        |
| 9         | 4.645       | 332           | 333         | 337          | rVB3     | 3066           | 2580          | 0.12%           | 0.011%        |
| 10        | 4.751       | 349           | 351         | 354          | rVB3     | 3293           | 3224          | 0.14%           | 0.014%        |
| 11        | 5.338       | 449           | 451         | 454          | rBV3     | 3075           | 3024          | 0.14%           | 0.013%        |
| 12        | 5.421       | 463           | 465         | 469          | rBV5     | 2152           | 2726          | 0.12%           | 0.012%        |
| 13        | 5.703       | 511           | 513         | 516          | rBV3     | 3146           | 2797          | 0.13%           | 0.012%        |
| 14        | 5.855       | 536           | 539         | 541          | rVB4     | 3923           | 3612          | 0.16%           | 0.015%        |
| 15        | 6.026       | 565           | 568         | 570          | rBV4     | 1853           | 2545          | 0.11%           | 0.011%        |
| 16        | 6.367       | 624           | 626         | 630          | rVB3     | 1628           | 2395          | 0.11%           | 0.010%        |
| 17        | 6.478       | 643           | 645         | 650          | rVB5     | 2931           | 3180          | 0.14%           | 0.014%        |
| 18        | 6.784       | 691           | 697         | 705          | rVB      | 361829         | 554056        | 24.86%          | 2.366%        |
| 19        | 6.884       | 712           | 714         | 718          | rVB4     | 1761           | 2334          | 0.10%           | 0.010%        |
| 20        | 6.954       | 720           | 726         | 737          | rVV      | 266985         | 412781        | 18.52%          | 1.763%        |
| 21        | 7.042       | 739           | 741         | 745          | rVB4     | 3555           | 4088          | 0.18%           | 0.017%        |
| 22        | 7.148       | 752           | 759         | 768          | rBV      | 356992         | 569166        | 25.53%          | 2.430%        |
| 23        | 7.612       | 829           | 838         | 847          | rBV      | 345470         | 535636        | 24.03%          | 2.287%        |
| 24        | 7.953       | 895           | 896         | 899          | rBV3     | 1801           | 2252          | 0.10%           | 0.010%        |
| 25        | 8.088       | 916           | 919         | 922          | rBV5     | 2760           | 3177          | 0.14%           | 0.014%        |
| 26        | 8.317       | 950           | 958         | 967          | rBV      | 454081         | 705366        | 31.64%          | 3.012%        |
| 27        | 8.382       | 967           | 969         | 972          | rVV4     | 3525           | 4059          | 0.18%           | 0.017%        |
| 28        | 8.764       | 1027          | 1034        | 1042         | rBV      | 337207         | 546052        | 24.50%          | 2.332%        |
| 29        | 8.905       | 1057          | 1058        | 1061         | rVB3     | 2696           | 2268          | 0.10%           | 0.010%        |
| 30        | 8.934       | 1061          | 1063        | 1066         | rBV3     | 1904           | 2640          | 0.12%           | 0.011%        |
| 31        | 9.439       | 1144          | 1149        | 1150         | rBV4     | 2783           | 4349          | 0.20%           | 0.019%        |
| 32        | 9.481       | 1150          | 1156        | 1163         | rVV      | 289074         | 471326        | 21.14%          | 2.013%        |
| 33        | 9.580       | 1170          | 1173        | 1176         | rBV3     | 1977           | 3175          | 0.14%           | 0.014%        |
| 34        | 9.610       | 1176          | 1178        | 1182         | rVB5     | 2445           | 2802          | 0.13%           | 0.012%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.015 | 1240 | 1247 | 1254 | rBV  | 440541  | 700562  | 31.43% | 2.991% |
| 36 | 10.068 | 1254 | 1256 | 1259 | rVB4 | 2485    | 2570    | 0.12%  | 0.011% |
| 37 | 10.397 | 1301 | 1312 | 1318 | rBV  | 490762  | 820719  | 36.82% | 3.505% |
| 38 | 10.444 | 1318 | 1320 | 1323 | rVB3 | 3107    | 3019    | 0.14%  | 0.013% |
| 39 | 10.532 | 1325 | 1335 | 1344 | rBV  | 465347  | 795392  | 35.68% | 3.396% |
| 40 | 10.991 | 1411 | 1413 | 1416 | rVB4 | 2179    | 2274    | 0.10%  | 0.010% |
| 41 | 11.061 | 1422 | 1425 | 1430 | rBV6 | 1957    | 2871    | 0.13%  | 0.012% |
| 42 | 11.143 | 1437 | 1439 | 1444 | rVB3 | 2048    | 2496    | 0.11%  | 0.011% |
| 43 | 11.425 | 1485 | 1487 | 1491 | rBV3 | 1855    | 2776    | 0.12%  | 0.012% |
| 44 | 11.766 | 1541 | 1545 | 1549 | rVB6 | 2419    | 3272    | 0.15%  | 0.014% |
| 45 | 12.524 | 1673 | 1674 | 1677 | rVB3 | 2583    | 2371    | 0.11%  | 0.010% |
| 46 | 13.629 | 1858 | 1862 | 1865 | rVB3 | 2177    | 3057    | 0.14%  | 0.013% |
| 47 | 13.687 | 1865 | 1872 | 1878 | rBV  | 827660  | 1093454 | 49.06% | 4.669% |
| 48 | 13.958 | 1911 | 1918 | 1926 | rBV  | 904253  | 1330502 | 59.69% | 5.681% |
| 49 | 14.204 | 1958 | 1960 | 1964 | rBV4 | 2847    | 3269    | 0.15%  | 0.014% |
| 50 | 14.269 | 1964 | 1971 | 1979 | rVV2 | 745436  | 1131144 | 50.75% | 4.830% |
| 51 | 14.469 | 1998 | 2005 | 2016 | rBV  | 424785  | 615812  | 27.63% | 2.630% |
| 52 | 14.539 | 2016 | 2017 | 2023 | rVB5 | 4895    | 6734    | 0.30%  | 0.029% |
| 53 | 14.986 | 2089 | 2093 | 2095 | rBV3 | 2455    | 3094    | 0.14%  | 0.013% |
| 54 | 15.039 | 2099 | 2102 | 2108 | rBV5 | 2487    | 3603    | 0.16%  | 0.015% |
| 55 | 15.268 | 2134 | 2141 | 2149 | rBV  | 1203440 | 1672584 | 75.04% | 7.142% |
| 56 | 15.379 | 2154 | 2160 | 2169 | rBV  | 289136  | 402589  | 18.06% | 1.719% |
| 57 | 15.503 | 2178 | 2181 | 2187 | rVB5 | 6076    | 9288    | 0.42%  | 0.040% |
| 58 | 15.568 | 2190 | 2192 | 2195 | rBV3 | 1997    | 2837    | 0.13%  | 0.012% |
| 59 | 15.597 | 2195 | 2197 | 2201 | rVV2 | 2494    | 3055    | 0.14%  | 0.013% |
| 60 | 15.679 | 2207 | 2211 | 2213 | rBV6 | 2356    | 2850    | 0.13%  | 0.012% |
| 61 | 15.732 | 2217 | 2220 | 2222 | rVB4 | 2656    | 3293    | 0.15%  | 0.014% |
| 62 | 15.773 | 2224 | 2227 | 2232 | rVB5 | 2616    | 4257    | 0.19%  | 0.018% |
| 63 | 15.832 | 2232 | 2237 | 2238 | rBV4 | 4167    | 5325    | 0.24%  | 0.023% |
| 64 | 16.049 | 2273 | 2274 | 2278 | rVB4 | 4247    | 2464    | 0.11%  | 0.011% |
| 65 | 16.226 | 2301 | 2304 | 2307 | rVV2 | 3503    | 4533    | 0.20%  | 0.019% |
| 66 | 16.273 | 2309 | 2312 | 2317 | rVV6 | 1784    | 2806    | 0.13%  | 0.012% |
| 67 | 16.531 | 2354 | 2356 | 2359 | rBV3 | 2521    | 2992    | 0.13%  | 0.013% |
| 68 | 16.801 | 2397 | 2402 | 2405 | rVV4 | 5101    | 8666    | 0.39%  | 0.037% |
| 69 | 16.837 | 2405 | 2408 | 2410 | rVB4 | 2849    | 3122    | 0.14%  | 0.013% |
| 70 | 16.878 | 2413 | 2415 | 2419 | rVB4 | 2017    | 2554    | 0.11%  | 0.011% |
| 71 | 16.931 | 2419 | 2424 | 2426 | rBV3 | 2236    | 3294    | 0.15%  | 0.014% |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG061915.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.019 | 2433 | 2439 | 2446 | rVV2 | 973700  | 1357337 | 60.89%  | 5.796% |
| 73  | 17.119 | 2449 | 2456 | 2466 | rVV  | 1416109 | 1900444 | 85.26%  | 8.115% |
| 74  | 17.354 | 2493 | 2496 | 2497 | rVB3 | 3788    | 3550    | 0.16%   | 0.015% |
| 75  | 17.389 | 2499 | 2502 | 2503 | rBV3 | 4089    | 3082    | 0.14%   | 0.013% |
| 76  | 17.548 | 2527 | 2529 | 2532 | rBV4 | 3040    | 3364    | 0.15%   | 0.014% |
| 77  | 17.865 | 2581 | 2583 | 2585 | rBV3 | 2997    | 2621    | 0.12%   | 0.011% |
| 78  | 17.953 | 2595 | 2598 | 2602 | rBV5 | 2832    | 3324    | 0.15%   | 0.014% |
| 79  | 18.135 | 2627 | 2629 | 2633 | rVB5 | 2761    | 3035    | 0.14%   | 0.013% |
| 80  | 18.188 | 2636 | 2638 | 2639 | rBV2 | 3459    | 2334    | 0.10%   | 0.010% |
| 81  | 18.229 | 2642 | 2645 | 2648 | rBV5 | 3720    | 3388    | 0.15%   | 0.014% |
| 82  | 18.294 | 2653 | 2656 | 2658 | rBV3 | 3020    | 3997    | 0.18%   | 0.017% |
| 83  | 18.394 | 2672 | 2673 | 2678 | rVB4 | 3109    | 3803    | 0.17%   | 0.016% |
| 84  | 18.723 | 2726 | 2729 | 2732 | rBV5 | 2302    | 3495    | 0.16%   | 0.015% |
| 85  | 18.781 | 2738 | 2739 | 2741 | rBV2 | 3197    | 2325    | 0.10%   | 0.010% |
| 86  | 18.975 | 2769 | 2772 | 2773 | rBV3 | 2630    | 2966    | 0.13%   | 0.013% |
| 87  | 19.058 | 2785 | 2786 | 2788 | rBV2 | 4067    | 3245    | 0.15%   | 0.014% |
| 88  | 19.110 | 2794 | 2795 | 2798 | rBV2 | 3558    | 3678    | 0.17%   | 0.016% |
| 89  | 19.310 | 2825 | 2829 | 2833 | rVB  | 14285   | 15013   | 0.67%   | 0.064% |
| 90  | 19.363 | 2836 | 2838 | 2841 | rBV4 | 3078    | 3935    | 0.18%   | 0.017% |
| 91  | 19.422 | 2841 | 2848 | 2857 | rBV  | 1688351 | 2229022 | 100.00% | 9.518% |
| 92  | 19.645 | 2884 | 2886 | 2889 | rBV4 | 4118    | 5979    | 0.27%   | 0.026% |
| 93  | 19.739 | 2900 | 2902 | 2903 | rBV2 | 5500    | 4417    | 0.20%   | 0.019% |
| 94  | 19.851 | 2919 | 2921 | 2922 | rBV2 | 4268    | 3490    | 0.16%   | 0.015% |
| 95  | 19.886 | 2925 | 2927 | 2928 | rBV2 | 6015    | 3055    | 0.14%   | 0.013% |
| 96  | 20.556 | 3039 | 3041 | 3042 | rBV2 | 6966    | 3837    | 0.17%   | 0.016% |
| 97  | 21.014 | 3117 | 3119 | 3124 | rVB4 | 20008   | 18186   | 0.82%   | 0.078% |
| 98  | 21.214 | 3148 | 3153 | 3159 | rBV  | 1166325 | 1509386 | 67.72%  | 6.445% |
| 99  | 23.305 | 3502 | 3509 | 3518 | rVB2 | 1119436 | 2016041 | 90.45%  | 8.609% |
| 100 | 23.447 | 3526 | 3533 | 3544 | rVB  | 784387  | 1492974 | 66.98%  | 6.375% |

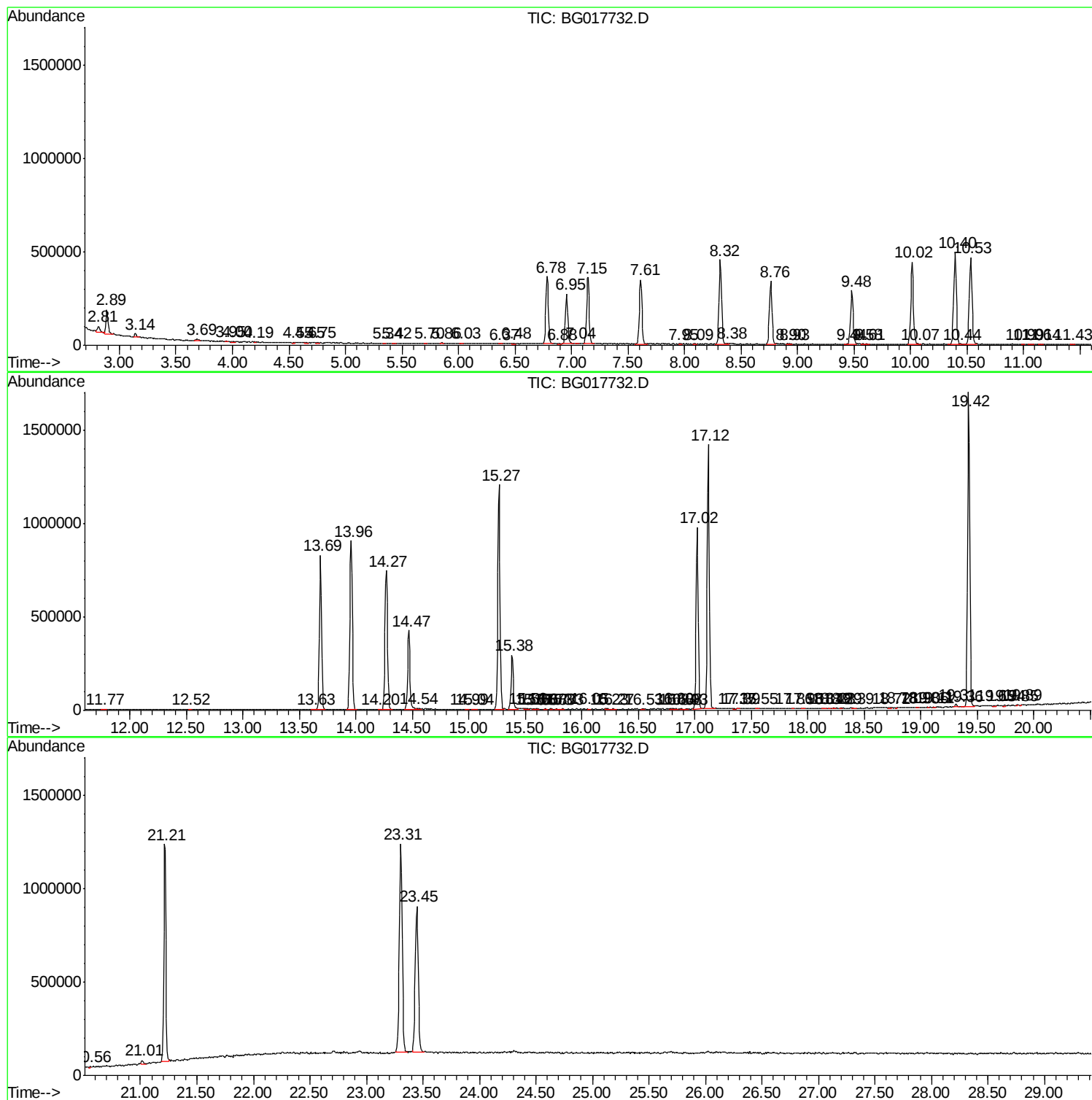
Sum of corrected areas: 23418926

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG061915.M  
Quant Title : SVOA CALIBRATION

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



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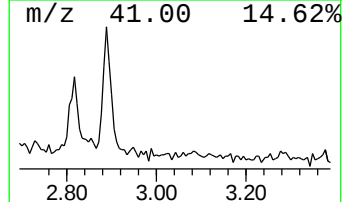
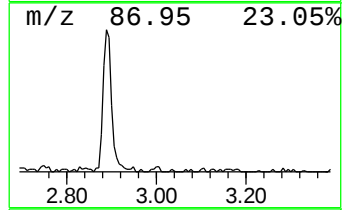
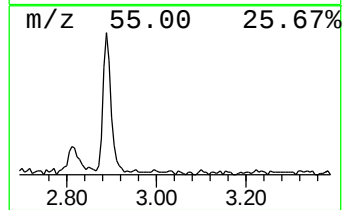
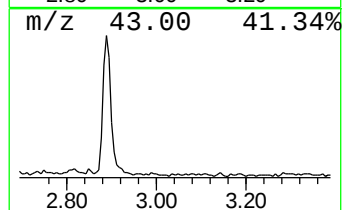
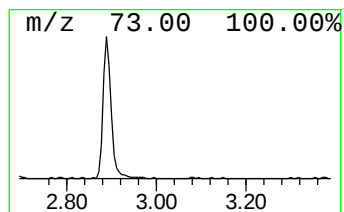
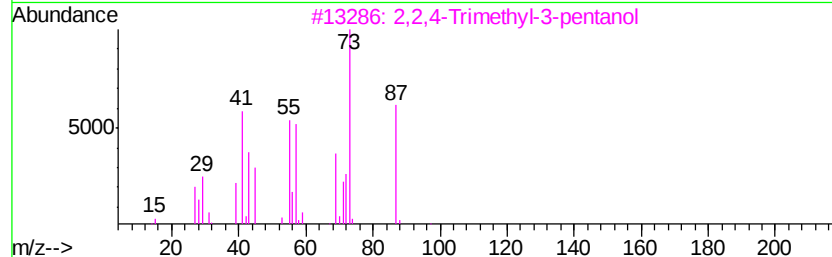
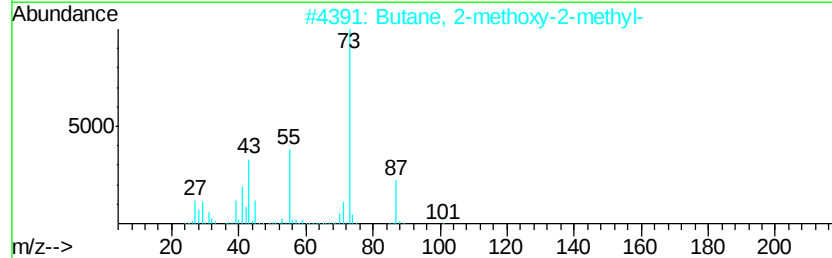
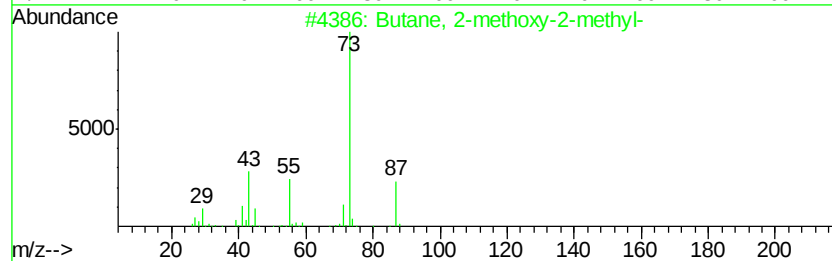
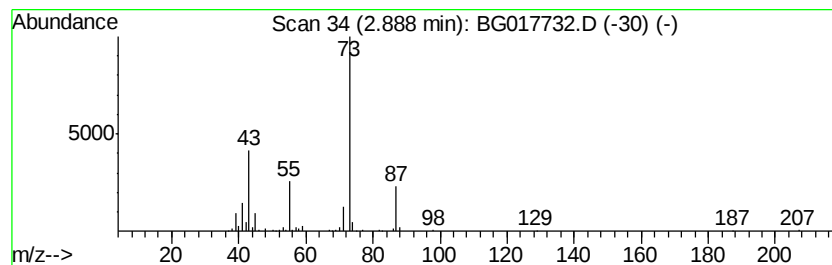
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG061915.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.89 | 6.67 ng/ul | 178558 | 1,4-Dichlorobenzene-d4 | 7.61 |

| 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 | 64   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 64   |
| 4    |    | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 33   |
| 5    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 32   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 2.89 | 6.7     | ng/ul | 178558   | 1                     | 7.61 | 535636 | 20.0 |