

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082815\  
 Data File : BG018512.D  
 Acq On : 28 Aug 2015 13:19  
 Operator : UM/MA  
 Sample : G3436-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BC3B2

## 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-BG080915.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         | 2.892       | 5             | 9           | 14           | rVB      | 29776          | 41785         | 2.27%           | 0.206%        |
| 2         | 3.109       | 41            | 46          | 54           | rBV2     | 62819          | 123454        | 6.71%           | 0.608%        |
| 3         | 3.186       | 54            | 59          | 76           | rVB      | 664469         | 946091        | 51.40%          | 4.658%        |
| 4         | 3.444       | 100           | 103         | 106          | rBV3     | 6976           | 7001          | 0.38%           | 0.034%        |
| 5         | 3.715       | 148           | 149         | 154          | rBV3     | 2394           | 3533          | 0.19%           | 0.017%        |
| 6         | 4.008       | 196           | 199         | 203          | rVB3     | 5480           | 6962          | 0.38%           | 0.034%        |
| 7         | 4.096       | 210           | 214         | 217          | rBV3     | 2071           | 3608          | 0.20%           | 0.018%        |
| 8         | 4.149       | 219           | 223         | 224          | rVB3     | 2627           | 2435          | 0.13%           | 0.012%        |
| 9         | 4.989       | 361           | 366         | 368          | rBV5     | 2065           | 2805          | 0.15%           | 0.014%        |
| 10        | 5.101       | 381           | 385         | 389          | rBV3     | 9424           | 14426         | 0.78%           | 0.071%        |
| 11        | 5.665       | 479           | 481         | 485          | rVB4     | 2034           | 2445          | 0.13%           | 0.012%        |
| 12        | 6.217       | 573           | 575         | 581          | rVB5     | 2925           | 3713          | 0.20%           | 0.018%        |
| 13        | 6.276       | 581           | 585         | 587          | rVB4     | 1880           | 2702          | 0.15%           | 0.013%        |
| 14        | 6.306       | 587           | 590         | 593          | rBV3     | 1772           | 2859          | 0.16%           | 0.014%        |
| 15        | 6.646       | 647           | 648         | 652          | rVB4     | 2117           | 2431          | 0.13%           | 0.012%        |
| 16        | 6.682       | 652           | 654         | 657          | rBV2     | 1882           | 2527          | 0.14%           | 0.012%        |
| 17        | 7.034       | 711           | 714         | 719          | rVB5     | 1430           | 2861          | 0.16%           | 0.014%        |
| 18        | 7.163       | 730           | 736         | 745          | rBV      | 206116         | 357196        | 19.41%          | 1.759%        |
| 19        | 7.334       | 757           | 765         | 772          | rBV      | 200808         | 327999        | 17.82%          | 1.615%        |
| 20        | 7.398       | 774           | 776         | 779          | rBV3     | 2309           | 2561          | 0.14%           | 0.013%        |
| 21        | 7.428       | 779           | 781         | 784          | rBV3     | 3096           | 3080          | 0.17%           | 0.015%        |
| 22        | 7.539       | 794           | 800         | 808          | rBV      | 193995         | 323841        | 17.59%          | 1.595%        |
| 23        | 7.633       | 813           | 816         | 821          | rVB4     | 4490           | 4896          | 0.27%           | 0.024%        |
| 24        | 8.009       | 872           | 880         | 888          | rBV      | 227343         | 392469        | 21.32%          | 1.932%        |
| 25        | 8.250       | 917           | 921         | 924          | rBV5     | 2004           | 2859          | 0.16%           | 0.014%        |
| 26        | 8.709       | 992           | 999         | 1009         | rBV      | 296961         | 504444        | 27.41%          | 2.484%        |
| 27        | 9.055       | 1054          | 1058        | 1061         | rBV2     | 2289           | 3279          | 0.18%           | 0.016%        |
| 28        | 9.167       | 1070          | 1077        | 1086         | rBV      | 222063         | 388159        | 21.09%          | 1.911%        |
| 29        | 9.243       | 1086          | 1090        | 1095         | rVB4     | 3356           | 4509          | 0.24%           | 0.022%        |
| 30        | 9.326       | 1102          | 1104        | 1110         | rBV3     | 3292           | 4004          | 0.22%           | 0.020%        |
| 31        | 9.555       | 1138          | 1143        | 1144         | rVB3     | 2244           | 2613          | 0.14%           | 0.013%        |
| 32        | 9.596       | 1144          | 1150        | 1155         | rBV7     | 3077           | 7130          | 0.39%           | 0.035%        |
| 33        | 9.660       | 1160          | 1161        | 1168         | rVB4     | 2399           | 2860          | 0.16%           | 0.014%        |
| 34        | 9.890       | 1193          | 1200        | 1207         | rBV      | 134701         | 229898        | 12.49%          | 1.132%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 10.342 | 1274 | 1277 | 1281 | rVB4 | 1819   | 2462    | 0.13%  | 0.012% |
| 36 | 10.430 | 1285 | 1292 | 1299 | rBV  | 255267 | 437472  | 23.77% | 2.154% |
| 37 | 10.812 | 1350 | 1357 | 1365 | rBV  | 347473 | 618827  | 33.62% | 3.047% |
| 38 | 10.941 | 1371 | 1379 | 1390 | rVB  | 290975 | 545639  | 29.64% | 2.687% |
| 39 | 11.300 | 1438 | 1440 | 1444 | rVB2 | 3124   | 3486    | 0.19%  | 0.017% |
| 40 | 11.458 | 1461 | 1467 | 1469 | rBV3 | 1764   | 2592    | 0.14%  | 0.013% |
| 41 | 11.699 | 1501 | 1508 | 1519 | rBV5 | 19603  | 51111   | 2.78%  | 0.252% |
| 42 | 12.069 | 1567 | 1571 | 1574 | rBV2 | 2223   | 3471    | 0.19%  | 0.017% |
| 43 | 12.228 | 1594 | 1598 | 1601 | rBV3 | 1959   | 2789    | 0.15%  | 0.014% |
| 44 | 12.733 | 1683 | 1684 | 1687 | rBV  | 2842   | 2568    | 0.14%  | 0.013% |
| 45 | 13.004 | 1726 | 1730 | 1734 | rBV4 | 5311   | 8625    | 0.47%  | 0.042% |
| 46 | 13.045 | 1734 | 1737 | 1740 | rVB2 | 3834   | 3383    | 0.18%  | 0.017% |
| 47 | 13.245 | 1766 | 1771 | 1776 | rBV4 | 10636  | 15124   | 0.82%  | 0.074% |
| 48 | 14.038 | 1897 | 1906 | 1910 | rBV  | 592424 | 839931  | 45.63% | 4.136% |
| 49 | 14.085 | 1910 | 1914 | 1920 | rVB  | 312884 | 430916  | 23.41% | 2.122% |
| 50 | 14.331 | 1948 | 1956 | 1964 | rBV  | 671459 | 1058070 | 57.48% | 5.210% |
| 51 | 14.519 | 1985 | 1988 | 1995 | rVB5 | 4425   | 8376    | 0.46%  | 0.041% |
| 52 | 14.637 | 2001 | 2008 | 2017 | rBV2 | 616153 | 956633  | 51.97% | 4.710% |
| 53 | 14.702 | 2017 | 2019 | 2022 | rBV3 | 3792   | 2783    | 0.15%  | 0.014% |
| 54 | 14.819 | 2033 | 2039 | 2052 | rBV2 | 122950 | 203171  | 11.04% | 1.000% |
| 55 | 14.978 | 2063 | 2066 | 2068 | rBV3 | 2941   | 3192    | 0.17%  | 0.016% |
| 56 | 15.042 | 2075 | 2077 | 2080 | rVB5 | 3862   | 3959    | 0.22%  | 0.019% |
| 57 | 15.154 | 2095 | 2096 | 2101 | rVB3 | 4090   | 3801    | 0.21%  | 0.019% |
| 58 | 15.207 | 2101 | 2105 | 2106 | rBV2 | 2385   | 2757    | 0.15%  | 0.014% |
| 59 | 15.430 | 2140 | 2143 | 2147 | rBV2 | 6127   | 9708    | 0.53%  | 0.048% |
| 60 | 15.483 | 2149 | 2152 | 2156 | rVB3 | 12569  | 13531   | 0.74%  | 0.067% |
| 61 | 15.624 | 2170 | 2176 | 2183 | rBV  | 872663 | 1333835 | 72.47% | 6.568% |
| 62 | 15.683 | 2185 | 2186 | 2190 | rVB3 | 6688   | 4430    | 0.24%  | 0.022% |
| 63 | 15.736 | 2190 | 2195 | 2200 | rBV  | 41953  | 62776   | 3.41%  | 0.309% |
| 64 | 15.871 | 2214 | 2218 | 2220 | rBV4 | 8463   | 11000   | 0.60%  | 0.054% |
| 65 | 16.106 | 2255 | 2258 | 2261 | rBV5 | 2317   | 2858    | 0.16%  | 0.014% |
| 66 | 16.206 | 2270 | 2275 | 2277 | rBV2 | 4593   | 7062    | 0.38%  | 0.035% |
| 67 | 16.341 | 2294 | 2298 | 2306 | rBV3 | 23342  | 40678   | 2.21%  | 0.200% |
| 68 | 16.517 | 2326 | 2328 | 2330 | rBV2 | 3335   | 2909    | 0.16%  | 0.014% |
| 69 | 16.576 | 2334 | 2338 | 2344 | rBV7 | 3592   | 8961    | 0.49%  | 0.044% |
| 70 | 16.688 | 2353 | 2357 | 2362 | rBV5 | 6778   | 12483   | 0.68%  | 0.061% |
| 71 | 16.735 | 2362 | 2365 | 2369 | rVV5 | 3516   | 5178    | 0.28%  | 0.025% |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 16.940 | 2398 | 2400 | 2403 | rBV4 | 2629    | 3000    | 0.16%   | 0.015% |
| 73 | 17.140 | 2429 | 2434 | 2436 | rBV2 | 19752   | 25373   | 1.38%   | 0.125% |
| 74 | 17.381 | 2468 | 2475 | 2480 | rBV  | 855180  | 1300653 | 70.66%  | 6.404% |
| 75 | 17.475 | 2485 | 2491 | 2501 | rVV2 | 1032242 | 1584548 | 86.09%  | 7.802% |
| 76 | 17.563 | 2502 | 2506 | 2509 | rVB4 | 12150   | 16619   | 0.90%   | 0.082% |
| 77 | 17.739 | 2533 | 2536 | 2538 | rBV4 | 4506    | 5381    | 0.29%   | 0.026% |
| 78 | 17.869 | 2555 | 2558 | 2566 | rVB7 | 12438   | 19803   | 1.08%   | 0.098% |
| 79 | 18.045 | 2586 | 2588 | 2592 | rVB4 | 5926    | 4939    | 0.27%   | 0.024% |
| 80 | 18.268 | 2620 | 2626 | 2630 | rBV2 | 57608   | 94456   | 5.13%   | 0.465% |
| 81 | 19.426 | 2819 | 2823 | 2827 | rBV2 | 43277   | 60112   | 3.27%   | 0.296% |
| 82 | 19.760 | 2874 | 2880 | 2893 | rVB  | 1257053 | 1840613 | 100.00% | 9.063% |
| 83 | 21.300 | 3139 | 3142 | 3143 | rBV3 | 27089   | 30160   | 1.64%   | 0.149% |
| 84 | 21.529 | 3178 | 3181 | 3185 | rVB  | 60999   | 74469   | 4.05%   | 0.367% |
| 85 | 21.635 | 3192 | 3199 | 3206 | rBV  | 882840  | 1483228 | 80.58%  | 7.303% |
| 86 | 23.127 | 3451 | 3453 | 3461 | rVB8 | 21196   | 36281   | 1.97%   | 0.179% |
| 87 | 23.938 | 3587 | 3591 | 3596 | rVB6 | 23335   | 44097   | 2.40%   | 0.217% |
| 88 | 24.614 | 3696 | 3706 | 3721 | rVB  | 642660  | 1737421 | 94.39%  | 8.555% |
| 89 | 24.837 | 3734 | 3744 | 3761 | rVB3 | 489579  | 1478236 | 80.31%  | 7.279% |
| 90 | 26.235 | 3980 | 3982 | 3985 | rBV4 | 9258    | 9863    | 0.54%   | 0.049% |

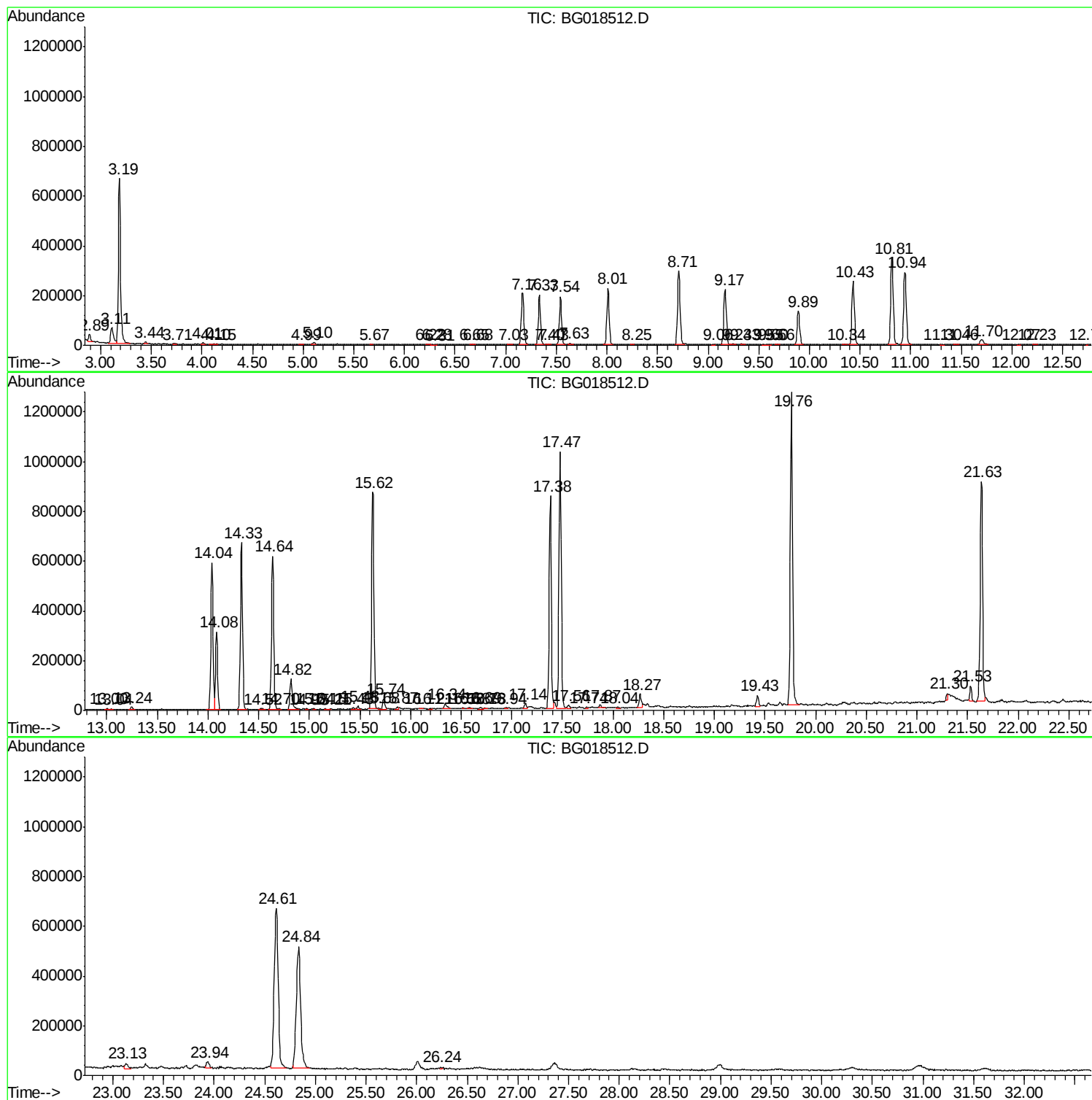
Sum of corrected areas: 20309234

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

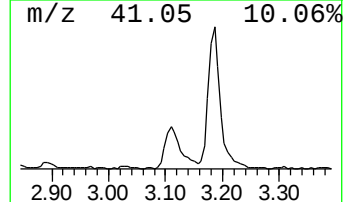
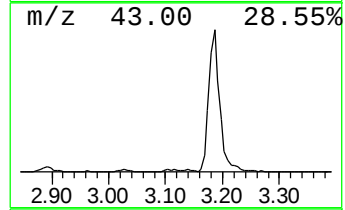
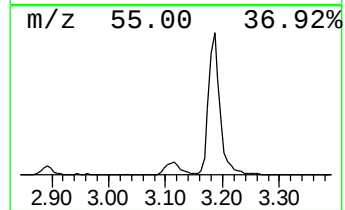
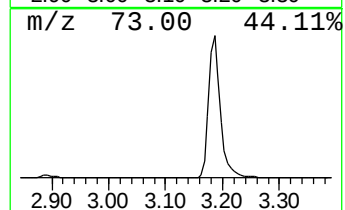
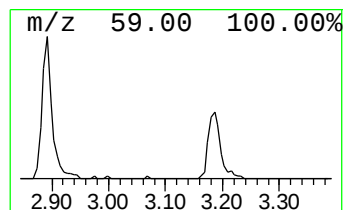
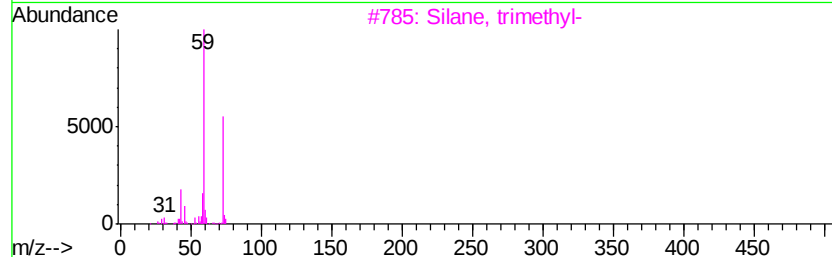
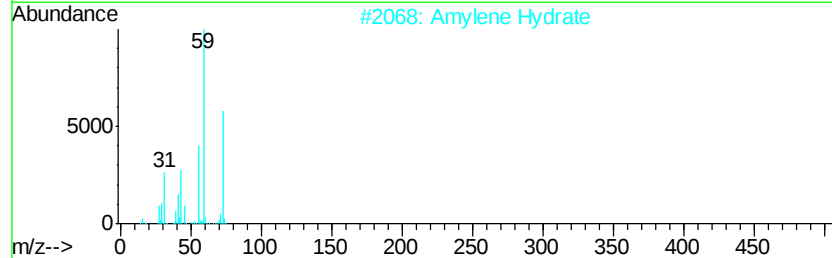
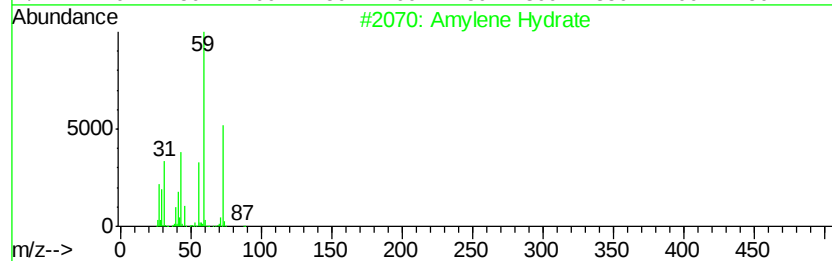
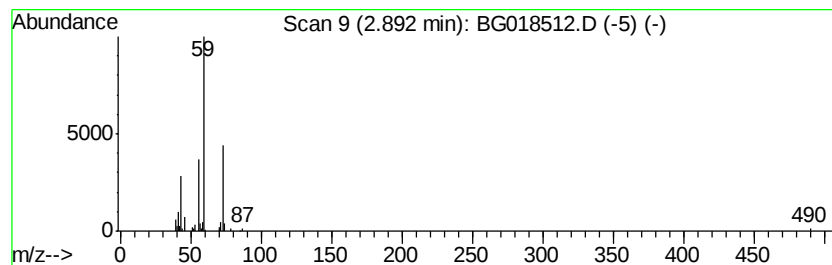
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Amylene Hydrate Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 2.89 | 2.13 ng/ul | 41785 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Amylene Hydrate          | 88  | C5H12O  | 000075-85-4 | 78   |
| 2    |    | Amylene Hydrate          | 88  | C5H12O  | 000075-85-4 | 72   |
| 3    |    | Silane, trimethyl-       | 74  | C3H10Si | 000993-07-7 | 64   |
| 4    |    | 4-Pentene-2-ol, 2-methyl | 100 | C6H12O  | 000624-97-5 | 9    |
| 5    |    | Ether, hexyl t-butyl     | 158 | C10H22O | 069775-79-7 | 9    |



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Quant Title : SVOA CALIBRATION

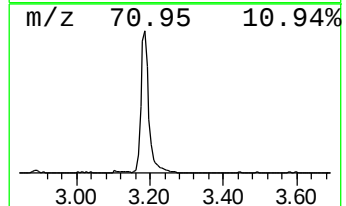
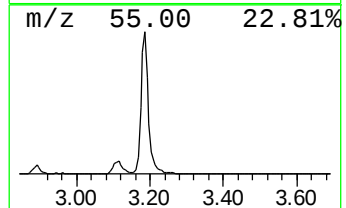
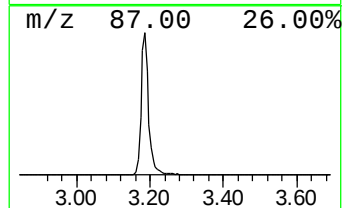
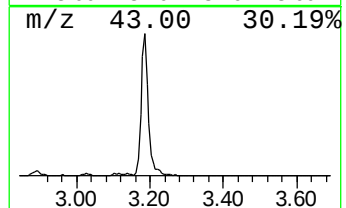
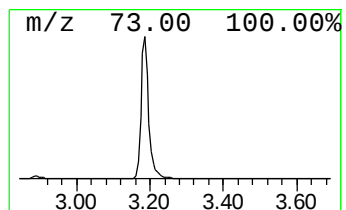
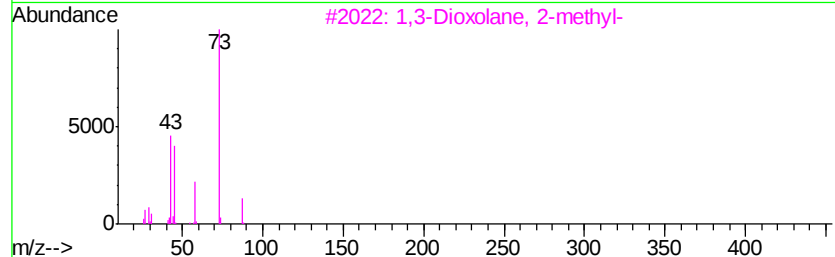
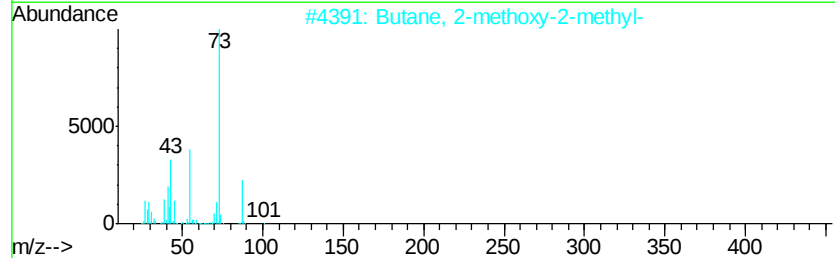
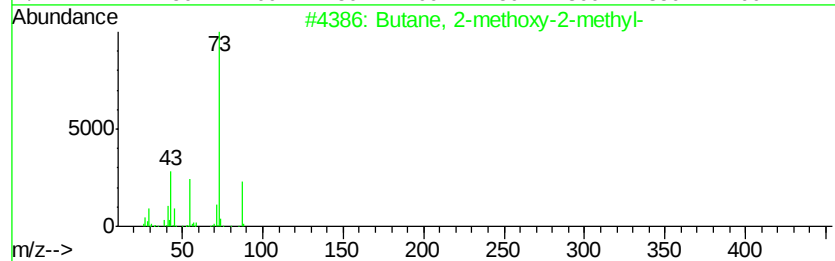
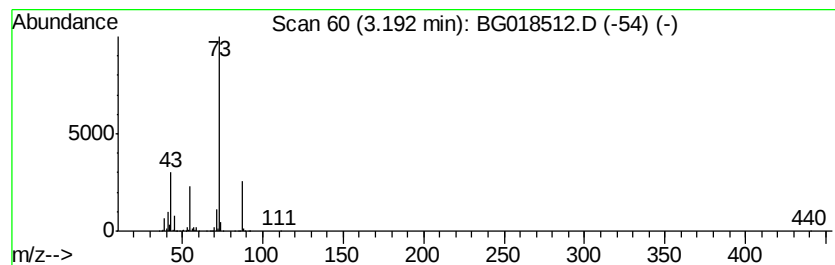
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.19 | 48.21 ng/ul | 946091 | 1,4-Dichlorobenzene-d4 | 8.01 |

| Hit# of | 5                           | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-----------------------------|--------------|--------|-------------|------|------|
| 1       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O | 000994-05-8 | 78   |      |
| 2       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O | 000994-05-8 | 74   |      |
| 3       | 1,3-Dioxolane, 2-methyl-    | 88           | C4H8O2 | 000497-26-7 | 25   |      |
| 4       | Pentane, 3-methoxy-         | 102          | C6H14O | 036839-67-5 | 23   |      |
| 5       | Acetamide, N-ethyl-         | 87           | C4H9NO | 000625-50-3 | 22   |      |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Amylene Hydrate      | 2.89 | 2.1     | ng/ul | 41785    | 1                     | 8.01 | 392469 | 20.0 |
| Butane, 2-methoxy... | 3.19 | 48.2    | ng/ul | 946091   | 1                     | 8.01 | 392469 | 20.0 |