

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\  
 Data File : VV019446.D  
 Acq On : 02 Dec 2020 14:04  
 Operator : SY/MD  
 Sample : L4920-02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4D0

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0 % 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:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.312    | 61         | 69       | 83        | rVB   | 243581      | 274613     | 16.98%       | 2.258%     |
| 2      | 1.573    | 143        | 150      | 162       | rVB   | 200413      | 229871     | 14.21%       | 1.890%     |
| 3      | 2.119    | 311        | 320      | 331       | rBV   | 419052      | 603161     | 37.28%       | 4.959%     |
| 4      | 2.280    | 361        | 370      | 390       | rVB   | 46923       | 82914      | 5.13%        | 0.682%     |
| 5      | 2.778    | 512        | 525      | 535       | rBV2  | 8564        | 19212      | 1.19%        | 0.158%     |
| 6      | 2.894    | 559        | 561      | 563       | rBV2  | 481         | 193        | 0.01%        | 0.002%     |
| 7      | 2.955    | 578        | 580      | 583       | rBV3  | 410         | 296        | 0.02%        | 0.002%     |
| 8      | 3.058    | 601        | 612      | 636       | rVB   | 51968       | 104189     | 6.44%        | 0.857%     |
| 9      | 3.219    | 660        | 662      | 664       | rBV2  | 459         | 225        | 0.01%        | 0.002%     |
| 10     | 3.248    | 666        | 671      | 674       | rBV4  | 749         | 522        | 0.03%        | 0.004%     |
| 11     | 3.306    | 687        | 689      | 691       | rBV   | 574         | 267        | 0.02%        | 0.002%     |
| 12     | 3.318    | 691        | 693      | 695       | rVV   | 375         | 202        | 0.01%        | 0.002%     |
| 13     | 3.338    | 695        | 699      | 703       | rVB4  | 556         | 451        | 0.03%        | 0.004%     |
| 14     | 3.431    | 724        | 728      | 731       | rVB3  | 477         | 347        | 0.02%        | 0.003%     |
| 15     | 3.450    | 731        | 734      | 736       | rBV3  | 220         | 120        | 0.01%        | 0.001%     |
| 16     | 3.473    | 739        | 741      | 742       | rVV   | 298         | 122        | 0.01%        | 0.001%     |
| 17     | 3.486    | 742        | 745      | 749       | rVB2  | 280         | 227        | 0.01%        | 0.002%     |
| 18     | 3.505    | 749        | 751      | 754       | rBV2  | 304         | 168        | 0.01%        | 0.001%     |
| 19     | 3.592    | 775        | 778      | 779       | rBV   | 418         | 283        | 0.02%        | 0.002%     |
| 20     | 3.624    | 784        | 788      | 790       | rVB   | 589         | 400        | 0.02%        | 0.003%     |
| 21     | 3.640    | 790        | 793      | 794       | rBV2  | 188         | 96         | 0.01%        | 0.001%     |
| 22     | 3.650    | 794        | 796      | 799       | rBV2  | 354         | 249        | 0.02%        | 0.002%     |
| 23     | 3.688    | 805        | 808      | 809       | rBV   | 791         | 464        | 0.03%        | 0.004%     |
| 24     | 3.891    | 861        | 871      | 906       | rBV   | 130952      | 352935     | 21.82%       | 2.902%     |
| 25     | 4.296    | 995        | 997      | 1002      | rBV2  | 549         | 525        | 0.03%        | 0.004%     |
| 26     | 4.370    | 1003       | 1020     | 1049      | rVV   | 259749      | 646796     | 39.98%       | 5.318%     |
| 27     | 4.630    | 1099       | 1101     | 1103      | rBV2  | 594         | 335        | 0.02%        | 0.003%     |
| 28     | 4.727    | 1128       | 1131     | 1134      | rVB3  | 870         | 584        | 0.04%        | 0.005%     |
| 29     | 4.756    | 1136       | 1140     | 1143      | rVB4  | 457         | 296        | 0.02%        | 0.002%     |
| 30     | 4.772    | 1143       | 1145     | 1146      | rBV   | 286         | 99         | 0.01%        | 0.001%     |
| 31     | 4.868    | 1172       | 1175     | 1176      | rBV   | 619         | 383        | 0.02%        | 0.003%     |
| 32     | 4.920    | 1187       | 1191     | 1194      | rBV3  | 427         | 398        | 0.02%        | 0.003%     |
| 33     | 4.961    | 1201       | 1204     | 1206      | rBV3  | 299         | 188        | 0.01%        | 0.002%     |
| 34     | 5.068    | 1219       | 1237     | 1264      | rBV2  | 624865      | 1617708    | 100.00%      | 13.301%    |

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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 35 | 5.302 | 1308 | 1310 | 1312 | rBV3 | 815    | 496     | 0.03%  | 0.004%  |
| 36 | 5.476 | 1361 | 1364 | 1368 | rBV  | 420    | 339     | 0.02%  | 0.003%  |
| 37 | 5.521 | 1376 | 1378 | 1381 | rVB3 | 510    | 205     | 0.01%  | 0.002%  |
| 38 | 5.566 | 1390 | 1392 | 1393 | rBV2 | 386    | 120     | 0.01%  | 0.001%  |
| 39 | 5.637 | 1402 | 1414 | 1439 | rBV  | 436202 | 874743  | 54.07% | 7.192%  |
| 40 | 5.871 | 1485 | 1487 | 1490 | rVB2 | 879    | 390     | 0.02%  | 0.003%  |
| 41 | 5.923 | 1490 | 1503 | 1524 | rBV  | 62886  | 132931  | 8.22%  | 1.093%  |
| 42 | 6.090 | 1541 | 1555 | 1583 | rBV  | 371082 | 750255  | 46.38% | 6.169%  |
| 43 | 6.318 | 1624 | 1626 | 1627 | rBV  | 573    | 227     | 0.01%  | 0.002%  |
| 44 | 6.473 | 1669 | 1674 | 1675 | rBV2 | 532    | 332     | 0.02%  | 0.003%  |
| 45 | 6.508 | 1680 | 1685 | 1686 | rBV3 | 490    | 404     | 0.02%  | 0.003%  |
| 46 | 6.553 | 1695 | 1699 | 1701 | rBV3 | 841    | 764     | 0.05%  | 0.006%  |
| 47 | 6.611 | 1712 | 1717 | 1723 | rBV8 | 746    | 1032    | 0.06%  | 0.008%  |
| 48 | 6.781 | 1769 | 1770 | 1774 | rVV  | 311    | 176     | 0.01%  | 0.001%  |
| 49 | 6.801 | 1774 | 1776 | 1778 | rVV2 | 320    | 156     | 0.01%  | 0.001%  |
| 50 | 6.813 | 1778 | 1780 | 1782 | rVV2 | 279    | 134     | 0.01%  | 0.001%  |
| 51 | 6.826 | 1782 | 1784 | 1785 | rVV  | 444    | 152     | 0.01%  | 0.001%  |
| 52 | 6.846 | 1788 | 1790 | 1794 | rBV2 | 446    | 371     | 0.02%  | 0.003%  |
| 53 | 6.884 | 1800 | 1802 | 1804 | rBB  | 438    | 157     | 0.01%  | 0.001%  |
| 54 | 6.900 | 1804 | 1807 | 1814 | rBV4 | 399    | 305     | 0.02%  | 0.003%  |
| 55 | 6.939 | 1816 | 1819 | 1820 | rBV  | 395    | 190     | 0.01%  | 0.002%  |
| 56 | 7.003 | 1828 | 1839 | 1864 | rBV  | 190454 | 349596  | 21.61% | 2.874%  |
| 57 | 7.334 | 1930 | 1942 | 1965 | rBV  | 703044 | 1216577 | 75.20% | 10.003% |
| 58 | 7.640 | 2027 | 2037 | 2055 | rBV  | 142446 | 246420  | 15.23% | 2.026%  |
| 59 | 8.029 | 2156 | 2158 | 2160 | rBV3 | 477    | 194     | 0.01%  | 0.002%  |
| 60 | 8.106 | 2171 | 2182 | 2220 | rBV2 | 350793 | 749933  | 46.36% | 6.166%  |
| 61 | 8.765 | 2386 | 2387 | 2390 | rBV  | 299    | 85      | 0.01%  | 0.001%  |
| 62 | 8.784 | 2390 | 2393 | 2394 | rBV2 | 445    | 222     | 0.01%  | 0.002%  |
| 63 | 8.871 | 2408 | 2420 | 2442 | rBV  | 678332 | 1104598 | 68.28% | 9.082%  |
| 64 | 9.228 | 2529 | 2531 | 2534 | rBV3 | 603    | 295     | 0.02%  | 0.002%  |
| 65 | 9.334 | 2561 | 2564 | 2566 | rBV2 | 445    | 248     | 0.02%  | 0.002%  |
| 66 | 9.392 | 2579 | 2582 | 2584 | rBV  | 362    | 217     | 0.01%  | 0.002%  |
| 67 | 9.405 | 2584 | 2586 | 2588 | rVB3 | 356    | 136     | 0.01%  | 0.001%  |
| 68 | 9.453 | 2599 | 2601 | 2604 | rBV2 | 322    | 262     | 0.02%  | 0.002%  |
| 69 | 9.489 | 2610 | 2612 | 2614 | rVB  | 297    | 116     | 0.01%  | 0.001%  |
| 70 | 9.501 | 2614 | 2616 | 2620 | rBV2 | 560    | 489     | 0.03%  | 0.004%  |
| 71 | 9.617 | 2650 | 2652 | 2656 | rVB3 | 665    | 392     | 0.02%  | 0.003%  |

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 ClientSampleId :  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 9.640  | 2657 | 2659 | 2661 | rVV2 | 319    | 109     | 0.01%  | 0.001% |
| 73  | 9.730  | 2684 | 2687 | 2688 | rBV  | 397    | 187     | 0.01%  | 0.002% |
| 74  | 9.762  | 2694 | 2697 | 2704 | rVB3 | 583    | 595     | 0.04%  | 0.005% |
| 75  | 9.813  | 2709 | 2713 | 2717 | rVB4 | 693    | 481     | 0.03%  | 0.004% |
| 76  | 9.839  | 2717 | 2721 | 2723 | rBV2 | 883    | 799     | 0.05%  | 0.007% |
| 77  | 9.900  | 2737 | 2740 | 2743 | rVB2 | 490    | 305     | 0.02%  | 0.003% |
| 78  | 10.016 | 2773 | 2776 | 2785 | rVB2 | 473    | 573     | 0.04%  | 0.005% |
| 79  | 10.048 | 2785 | 2786 | 2787 | rBV2 | 249    | 87      | 0.01%  | 0.001% |
| 80  | 10.077 | 2793 | 2795 | 2798 | rBV  | 432    | 281     | 0.02%  | 0.002% |
| 81  | 10.148 | 2811 | 2817 | 2819 | rBV3 | 520    | 422     | 0.03%  | 0.003% |
| 82  | 10.177 | 2824 | 2826 | 2827 | rBV  | 431    | 227     | 0.01%  | 0.002% |
| 83  | 10.235 | 2832 | 2844 | 2868 | rVV  | 382733 | 613608  | 37.93% | 5.045% |
| 84  | 10.399 | 2888 | 2895 | 2907 | rVB2 | 9178   | 15050   | 0.93%  | 0.124% |
| 85  | 10.508 | 2924 | 2929 | 2932 | rBV4 | 528    | 450     | 0.03%  | 0.004% |
| 86  | 10.566 | 2942 | 2947 | 2950 | rBV3 | 734    | 645     | 0.04%  | 0.005% |
| 87  | 10.604 | 2956 | 2959 | 2963 | rBV3 | 695    | 504     | 0.03%  | 0.004% |
| 88  | 10.755 | 3003 | 3006 | 3009 | rBV3 | 596    | 397     | 0.02%  | 0.003% |
| 89  | 10.842 | 3029 | 3033 | 3035 | rBV2 | 320    | 278     | 0.02%  | 0.002% |
| 90  | 10.919 | 3056 | 3057 | 3058 | rBV2 | 236    | 80      | 0.00%  | 0.001% |
| 91  | 10.977 | 3072 | 3075 | 3080 | rBV3 | 502    | 432     | 0.03%  | 0.004% |
| 92  | 11.032 | 3090 | 3092 | 3095 | rBV  | 530    | 301     | 0.02%  | 0.002% |
| 93  | 11.170 | 3132 | 3135 | 3136 | rBV3 | 782    | 445     | 0.03%  | 0.004% |
| 94  | 11.199 | 3142 | 3144 | 3146 | rBV3 | 573    | 288     | 0.02%  | 0.002% |
| 95  | 11.270 | 3154 | 3166 | 3191 | rBV  | 660001 | 1029756 | 63.66% | 8.467% |
| 96  | 11.643 | 3271 | 3282 | 3305 | rBV  | 700481 | 1116354 | 69.01% | 9.179% |
| 97  | 12.273 | 3468 | 3478 | 3489 | rBV6 | 2769   | 5379    | 0.33%  | 0.044% |
| 98  | 12.630 | 3588 | 3589 | 3593 | rBV2 | 592    | 454     | 0.03%  | 0.004% |
| 99  | 13.424 | 3834 | 3836 | 3840 | rBV2 | 655    | 412     | 0.03%  | 0.003% |
| 100 | 14.061 | 4030 | 4034 | 4036 | rBV3 | 766    | 709     | 0.04%  | 0.006% |

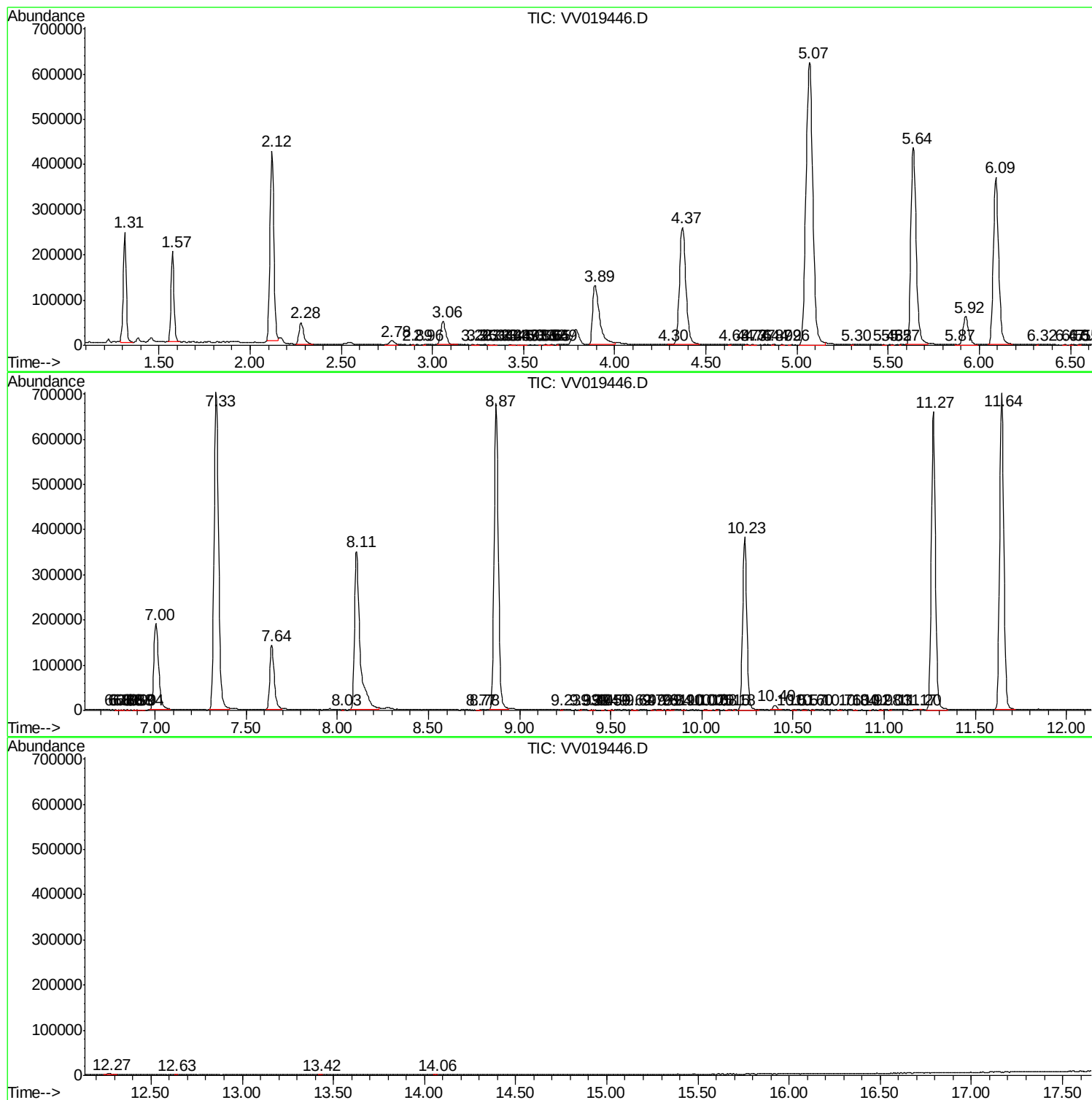
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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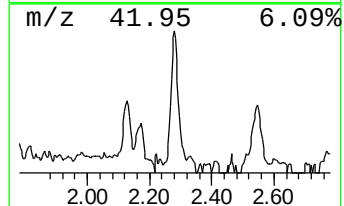
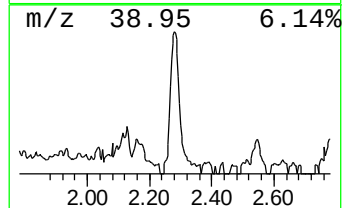
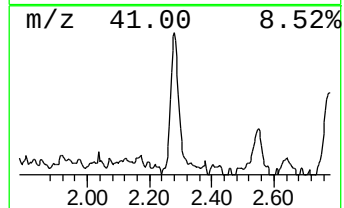
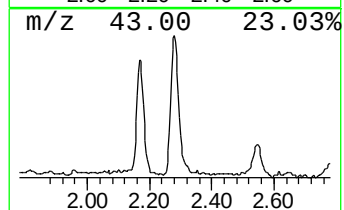
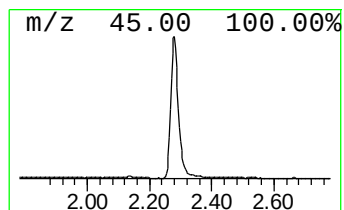
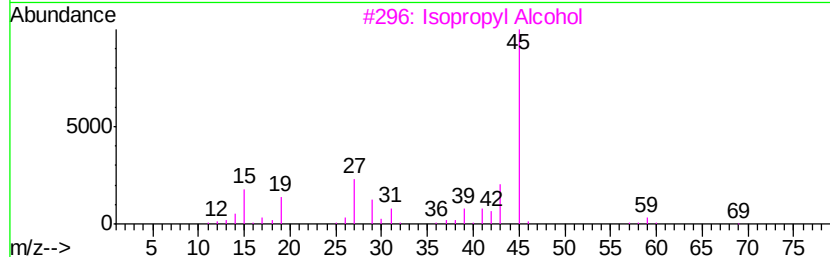
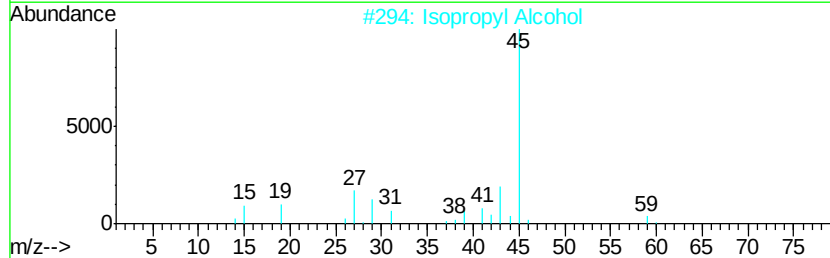
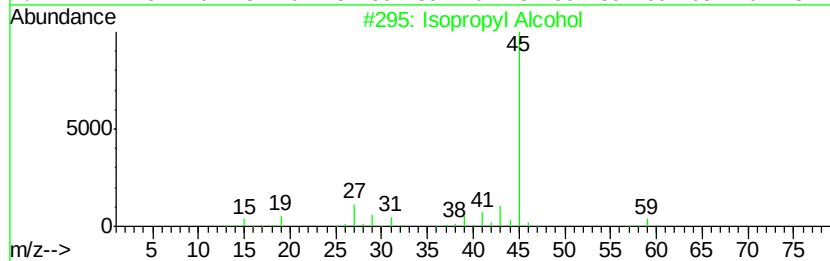
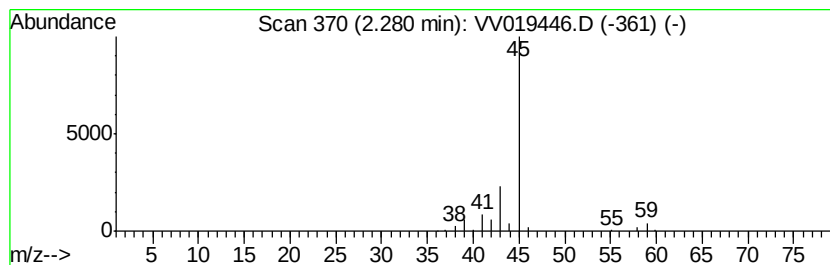
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Isopropyl Alcohol Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.28 | 4.74 ug/L | 82914 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 86   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 4    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 5    |    |   | Hydrazine, ethyl- | 60 | C2H8N2  | 000624-80-6 | 40   |



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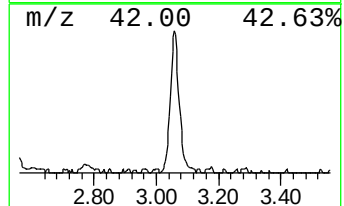
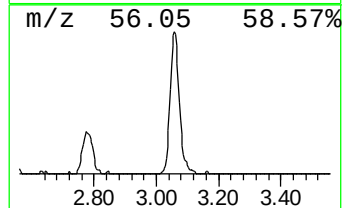
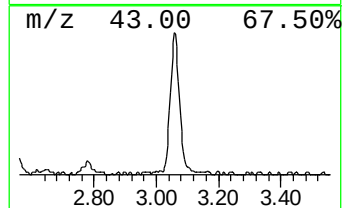
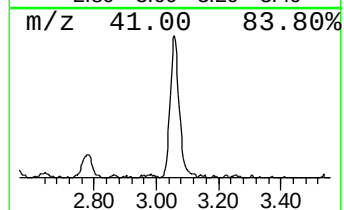
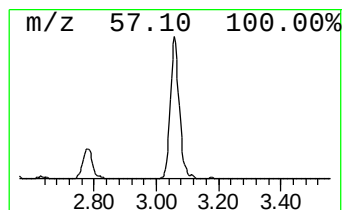
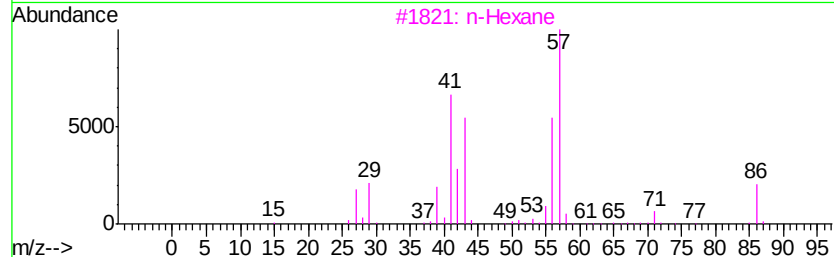
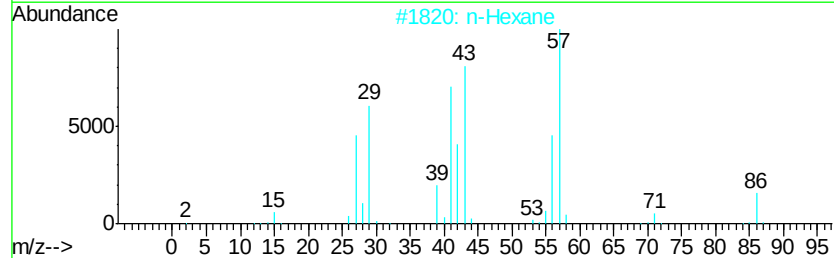
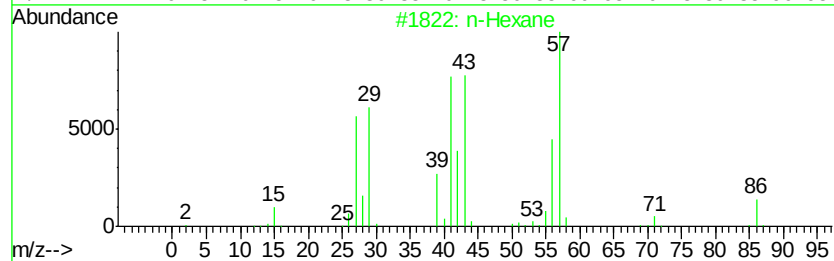
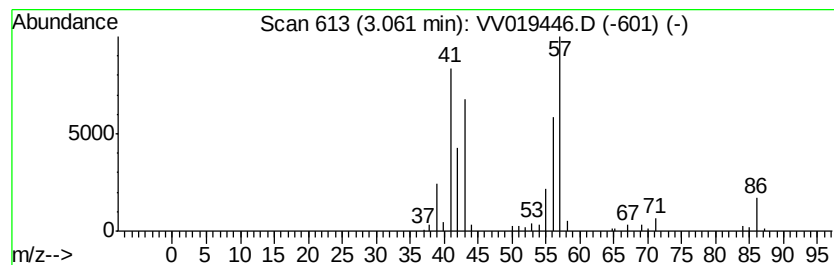
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.06 | 5.96 ug/L | 104189 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 86   |
| 2    |    | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 64   |
| 3    |    | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 58   |
| 4    |    | Pentane, 2,4-dimethyl-   | 100 | C7H16   | 000108-08-7 | 56   |
| 5    |    | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 43   |



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Sample : L4920-02  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4D0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Isopropyl Alcohol    | 2.28 | 4.7     | ug/L  | 82914    | 1                     | 5.64 | 874743 | 50.0 |
| (DEL) Alkane: Str... | 3.06 | 6.0     | ug/L  | 104189   | 1                     | 5.64 | 874743 | 50.0 |