

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\  
 Data File : VU029683.D  
 Acq On : 26 Feb 2019 15:46  
 Operator : JC/SP  
 Sample : K1623-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

## 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\_U\METHOD\SOMULM021519WMA.M  
 Title : VOC Analysis

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         | 1.183       | 24            | 29          | 35           | rBV2     | 7314           | 7458          | 0.44%           | 0.055%        |
| 2         | 1.395       | 89            | 95          | 106          | rBV      | 223633         | 228581        | 13.54%          | 1.696%        |
| 3         | 1.678       | 175           | 183         | 197          | rVB      | 189255         | 235210        | 13.94%          | 1.745%        |
| 4         | 2.270       | 356           | 367         | 379          | rBV      | 415156         | 611178        | 36.21%          | 4.534%        |
| 5         | 2.383       | 400           | 402         | 404          | rBV3     | 541            | 225           | 0.01%           | 0.002%        |
| 6         | 2.444       | 409           | 421         | 444          | rBV      | 62696          | 113705        | 6.74%           | 0.844%        |
| 7         | 2.637       | 478           | 481         | 484          | rBV2     | 463            | 258           | 0.02%           | 0.002%        |
| 8         | 2.698       | 494           | 500         | 507          | rVB6     | 1407           | 1978          | 0.12%           | 0.015%        |
| 9         | 2.727       | 507           | 509         | 514          | rBV2     | 392            | 283           | 0.02%           | 0.002%        |
| 10        | 2.762       | 516           | 520         | 523          | rVB2     | 444            | 286           | 0.02%           | 0.002%        |
| 11        | 2.836       | 533           | 543         | 554          | rBV      | 2638           | 5153          | 0.31%           | 0.038%        |
| 12        | 2.916       | 563           | 568         | 569          | rBV2     | 267            | 233           | 0.01%           | 0.002%        |
| 13        | 2.987       | 586           | 590         | 594          | rBV3     | 618            | 584           | 0.03%           | 0.004%        |
| 14        | 3.022       | 598           | 601         | 603          | rBV2     | 416            | 220           | 0.01%           | 0.002%        |
| 15        | 3.183       | 643           | 651         | 656          | rBV5     | 1425           | 2472          | 0.15%           | 0.018%        |
| 16        | 3.270       | 674           | 678         | 682          | rVB4     | 387            | 260           | 0.02%           | 0.002%        |
| 17        | 3.347       | 697           | 702         | 705          | rVB3     | 413            | 339           | 0.02%           | 0.003%        |
| 18        | 3.370       | 705           | 709         | 711          | rBV      | 462            | 374           | 0.02%           | 0.003%        |
| 19        | 3.382       | 711           | 713         | 717          | rVB2     | 394            | 336           | 0.02%           | 0.002%        |
| 20        | 3.505       | 749           | 751         | 754          | rVB2     | 408            | 217           | 0.01%           | 0.002%        |
| 21        | 3.530       | 754           | 759         | 761          | rBV      | 425            | 356           | 0.02%           | 0.003%        |
| 22        | 3.588       | 770           | 777         | 780          | rBV2     | 461            | 457           | 0.03%           | 0.003%        |
| 23        | 3.656       | 795           | 798         | 800          | rBV      | 395            | 240           | 0.01%           | 0.002%        |
| 24        | 3.714       | 812           | 816         | 822          | rVB2     | 351            | 449           | 0.03%           | 0.003%        |
| 25        | 3.794       | 838           | 841         | 843          | rVV      | 407            | 220           | 0.01%           | 0.002%        |
| 26        | 3.833       | 850           | 853         | 859          | rVB3     | 309            | 300           | 0.02%           | 0.002%        |
| 27        | 3.932       | 880           | 884         | 887          | rBV2     | 272            | 235           | 0.01%           | 0.002%        |
| 28        | 3.952       | 887           | 890         | 892          | rVV2     | 396            | 217           | 0.01%           | 0.002%        |
| 29        | 3.971       | 893           | 896         | 900          | rVV3     | 412            | 359           | 0.02%           | 0.003%        |
| 30        | 4.048       | 916           | 920         | 925          | rVB3     | 368            | 325           | 0.02%           | 0.002%        |
| 31        | 4.173       | 946           | 959         | 998          | rBV      | 142337         | 387042        | 22.93%          | 2.871%        |
| 32        | 4.482       | 1052          | 1055        | 1059         | rBV3     | 397            | 341           | 0.02%           | 0.003%        |
| 33        | 4.646       | 1087          | 1106        | 1138         | rBV      | 277458         | 668838        | 39.63%          | 4.962%        |
| 34        | 4.887       | 1174          | 1181        | 1189         | rVB4     | 1172           | 1794          | 0.11%           | 0.013%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 4.997 | 1208 | 1215 | 1217 | rBV4 | 499    | 476     | 0.03%   | 0.004%  |
| 36 | 5.125 | 1252 | 1255 | 1261 | rVB4 | 360    | 350     | 0.02%   | 0.003%  |
| 37 | 5.228 | 1284 | 1287 | 1292 | rVB3 | 252    | 225     | 0.01%   | 0.002%  |
| 38 | 5.337 | 1296 | 1321 | 1350 | rBV2 | 570738 | 1687659 | 100.00% | 12.520% |
| 39 | 5.566 | 1390 | 1392 | 1395 | rBV  | 317    | 218     | 0.01%   | 0.002%  |
| 40 | 5.614 | 1403 | 1407 | 1411 | rBV3 | 585    | 411     | 0.02%   | 0.003%  |
| 41 | 5.669 | 1419 | 1424 | 1425 | rBV2 | 758    | 642     | 0.04%   | 0.005%  |
| 42 | 5.755 | 1448 | 1451 | 1453 | rBV2 | 299    | 216     | 0.01%   | 0.002%  |
| 43 | 5.784 | 1457 | 1460 | 1462 | rBV2 | 575    | 395     | 0.02%   | 0.003%  |
| 44 | 5.884 | 1477 | 1491 | 1521 | rBV  | 515602 | 1032938 | 61.21%  | 7.663%  |
| 45 | 6.115 | 1560 | 1563 | 1567 | rVB3 | 348    | 214     | 0.01%   | 0.002%  |
| 46 | 6.170 | 1575 | 1580 | 1582 | rBV5 | 1051   | 906     | 0.05%   | 0.007%  |
| 47 | 6.215 | 1590 | 1594 | 1598 | rBV4 | 300    | 237     | 0.01%   | 0.002%  |
| 48 | 6.251 | 1603 | 1605 | 1608 | rVB2 | 458    | 243     | 0.01%   | 0.002%  |
| 49 | 6.267 | 1608 | 1610 | 1613 | rBV3 | 371    | 218     | 0.01%   | 0.002%  |
| 50 | 6.328 | 1613 | 1629 | 1653 | rBV  | 368165 | 750666  | 44.48%  | 5.569%  |
| 51 | 6.598 | 1708 | 1713 | 1716 | rBV3 | 387    | 407     | 0.02%   | 0.003%  |
| 52 | 6.656 | 1727 | 1731 | 1732 | rBV2 | 396    | 236     | 0.01%   | 0.002%  |
| 53 | 6.669 | 1732 | 1735 | 1739 | rVB3 | 362    | 272     | 0.02%   | 0.002%  |
| 54 | 6.759 | 1760 | 1763 | 1766 | rBV3 | 351    | 286     | 0.02%   | 0.002%  |
| 55 | 6.807 | 1773 | 1778 | 1779 | rBV4 | 533    | 420     | 0.02%   | 0.003%  |
| 56 | 6.823 | 1780 | 1783 | 1792 | rVV7 | 1297   | 1648    | 0.10%   | 0.012%  |
| 57 | 6.871 | 1796 | 1798 | 1802 | rVB3 | 611    | 367     | 0.02%   | 0.003%  |
| 58 | 6.948 | 1819 | 1822 | 1824 | rBV2 | 347    | 279     | 0.02%   | 0.002%  |
| 59 | 7.132 | 1876 | 1879 | 1882 | rVB2 | 313    | 211     | 0.01%   | 0.002%  |
| 60 | 7.225 | 1895 | 1908 | 1931 | rBV  | 212408 | 389802  | 23.10%  | 2.892%  |
| 61 | 7.389 | 1951 | 1959 | 1972 | rVB5 | 4521   | 8638    | 0.51%   | 0.064%  |
| 62 | 7.562 | 1998 | 2013 | 2041 | rBV  | 808652 | 1420676 | 84.18%  | 10.539% |
| 63 | 7.845 | 2091 | 2101 | 2126 | rBV  | 146215 | 255974  | 15.17%  | 1.899%  |
| 64 | 8.041 | 2160 | 2162 | 2166 | rBV3 | 367    | 239     | 0.01%   | 0.002%  |
| 65 | 8.064 | 2166 | 2169 | 2173 | rVB2 | 450    | 375     | 0.02%   | 0.003%  |
| 66 | 8.099 | 2177 | 2180 | 2184 | rVB3 | 424    | 215     | 0.01%   | 0.002%  |
| 67 | 8.177 | 2189 | 2204 | 2216 | rBV2 | 15799  | 30391   | 1.80%   | 0.225%  |
| 68 | 8.225 | 2216 | 2219 | 2221 | rBV3 | 413    | 283     | 0.02%   | 0.002%  |
| 69 | 8.308 | 2233 | 2245 | 2284 | rBV  | 461999 | 827410  | 49.03%  | 6.138%  |
| 70 | 8.553 | 2317 | 2321 | 2326 | rBV3 | 439    | 384     | 0.02%   | 0.003%  |
| 71 | 8.697 | 2360 | 2366 | 2367 | rBV3 | 355    | 364     | 0.02%   | 0.003%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
 Title : VOC Analysis

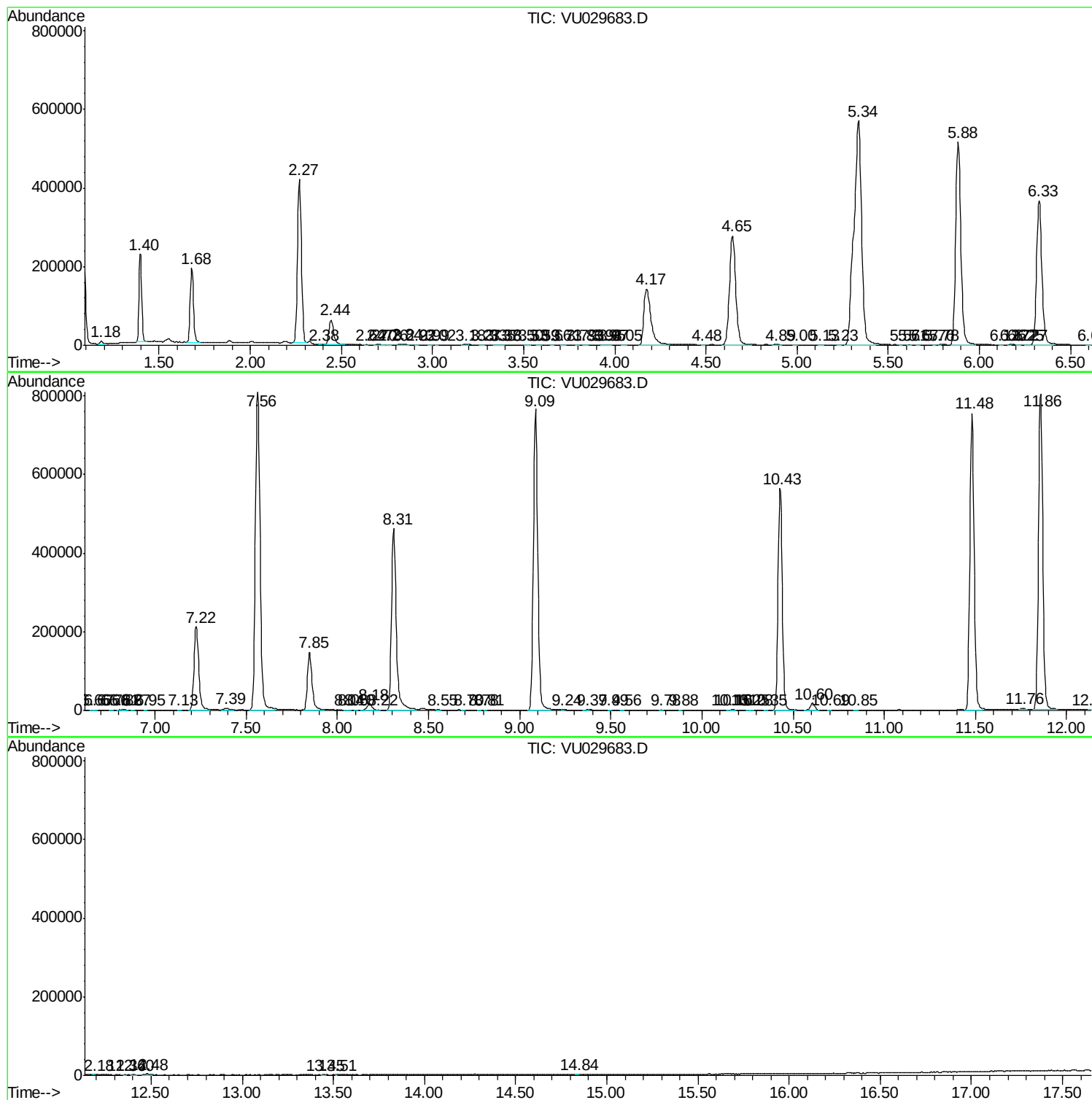
|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 8.778  | 2388 | 2391 | 2394 | rVB3 | 536    | 335     | 0.02%  | 0.002% |
| 73  | 8.810  | 2398 | 2401 | 2403 | rBV3 | 371    | 268     | 0.02%  | 0.002% |
| 74  | 9.086  | 2474 | 2487 | 2514 | rVV  | 765677 | 1277781 | 75.71% | 9.479% |
| 75  | 9.238  | 2531 | 2534 | 2535 | rBV2 | 403    | 255     | 0.02%  | 0.002% |
| 76  | 9.373  | 2568 | 2576 | 2578 | rBV4 | 1189   | 1534    | 0.09%  | 0.011% |
| 77  | 9.492  | 2610 | 2613 | 2617 | rVB2 | 310    | 215     | 0.01%  | 0.002% |
| 78  | 9.562  | 2631 | 2635 | 2638 | rBV2 | 351    | 303     | 0.02%  | 0.002% |
| 79  | 9.778  | 2698 | 2702 | 2705 | rBV3 | 437    | 329     | 0.02%  | 0.002% |
| 80  | 9.877  | 2731 | 2733 | 2736 | rBV2 | 273    | 232     | 0.01%  | 0.002% |
| 81  | 10.147 | 2812 | 2817 | 2818 | rBV  | 452    | 324     | 0.02%  | 0.002% |
| 82  | 10.164 | 2819 | 2822 | 2828 | rVB4 | 617    | 723     | 0.04%  | 0.005% |
| 83  | 10.254 | 2846 | 2850 | 2853 | rVB2 | 434    | 326     | 0.02%  | 0.002% |
| 84  | 10.276 | 2853 | 2857 | 2859 | rBV  | 478    | 382     | 0.02%  | 0.003% |
| 85  | 10.350 | 2877 | 2880 | 2883 | rVB3 | 360    | 235     | 0.01%  | 0.002% |
| 86  | 10.427 | 2892 | 2904 | 2930 | rBV  | 563805 | 914870  | 54.21% | 6.787% |
| 87  | 10.604 | 2945 | 2959 | 2971 | rVB  | 17984  | 29619   | 1.76%  | 0.220% |
| 88  | 10.694 | 2985 | 2987 | 2991 | rVB  | 348    | 223     | 0.01%  | 0.002% |
| 89  | 10.848 | 3030 | 3035 | 3038 | rBV3 | 298    | 292     | 0.02%  | 0.002% |
| 90  | 11.482 | 3219 | 3232 | 3250 | rBV  | 754293 | 1238503 | 73.39% | 9.188% |
| 91  | 11.758 | 3312 | 3318 | 3325 | rBV6 | 3208   | 5055    | 0.30%  | 0.037% |
| 92  | 11.858 | 3336 | 3349 | 3376 | rBV  | 802777 | 1315039 | 77.92% | 9.755% |
| 93  | 12.125 | 3430 | 3432 | 3435 | rBV2 | 429    | 235     | 0.01%  | 0.002% |
| 94  | 12.183 | 3448 | 3450 | 3452 | rBV3 | 512    | 303     | 0.02%  | 0.002% |
| 95  | 12.356 | 3501 | 3504 | 3506 | rBV2 | 445    | 212     | 0.01%  | 0.002% |
| 96  | 12.398 | 3514 | 3517 | 3523 | rBV4 | 426    | 386     | 0.02%  | 0.003% |
| 97  | 12.479 | 3533 | 3542 | 3551 | rBV2 | 3277   | 5206    | 0.31%  | 0.039% |
| 98  | 13.446 | 3839 | 3843 | 3846 | rBV2 | 582    | 447     | 0.03%  | 0.003% |
| 99  | 13.514 | 3862 | 3864 | 3866 | rBV2 | 421    | 242     | 0.01%  | 0.002% |
| 100 | 14.839 | 4272 | 4276 | 4279 | rBV3 | 800    | 788     | 0.05%  | 0.006% |

Sum of corrected areas: 13480076

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU022719\  
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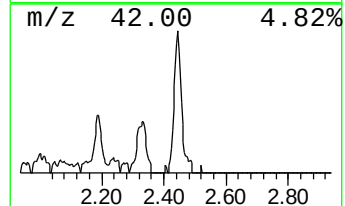
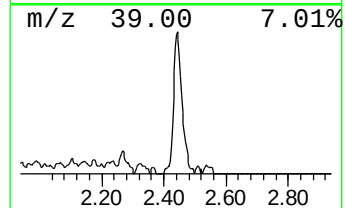
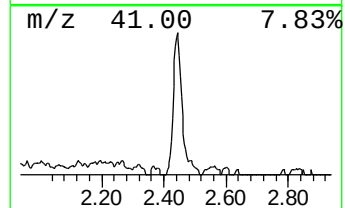
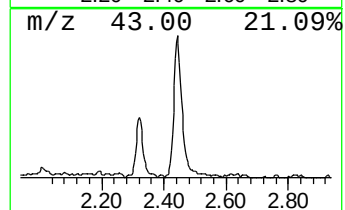
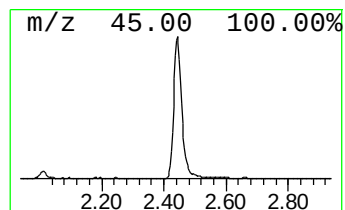
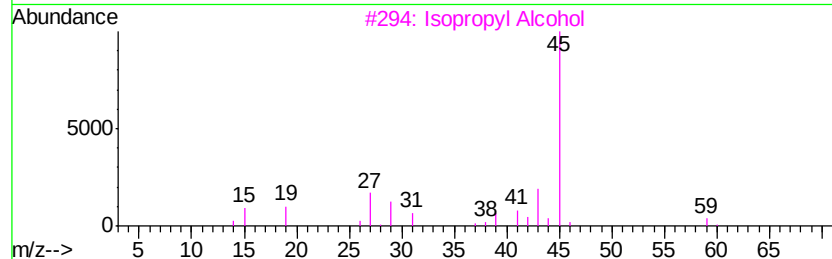
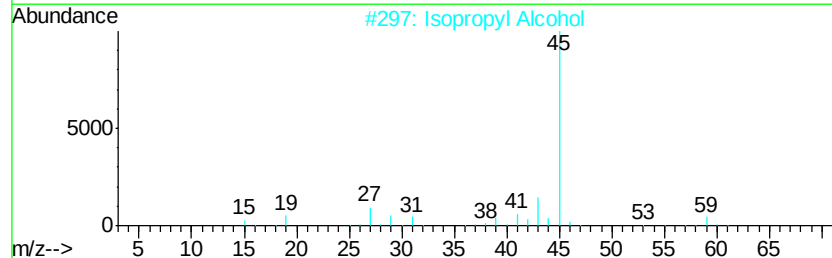
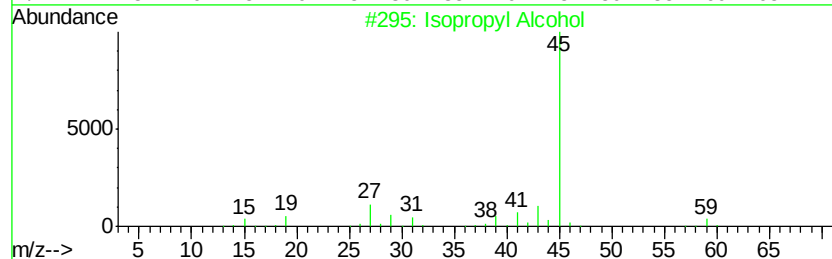
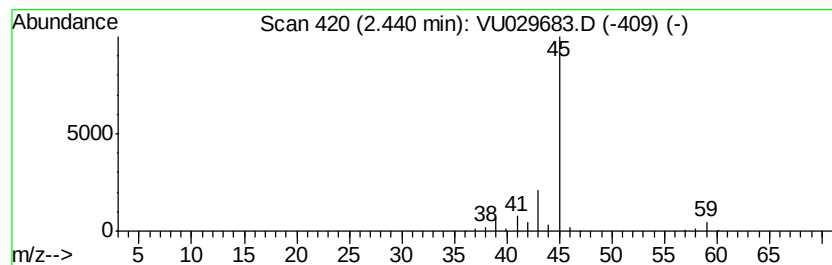
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.44 | 5.50 ug/L | 113705 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 78   |
| 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, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|-------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                   |      |         |       |          | #                     | RT   | Resp    | Conc |
| Isopropyl Alcohol | 2.44 | 5.5     | ug/L  | 113705   | 1                     | 5.88 | 1032940 | 50.0 |