

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\  
 Data File : VV012775.D  
 Acq On : 14 Sep 2019 18:58  
 Operator : SY/MD  
 Sample : K4867-08  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0MG7

## 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\SOMVLM091319WMA.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         | 1.319       | 65            | 71          | 80           | rVB      | 264816         | 260959        | 3.86%           | 0.955%        |
| 2         | 1.579       | 145           | 152         | 163          | rVB      | 256067         | 288915        | 4.27%           | 1.058%        |
| 3         | 2.132       | 313           | 324         | 336          | rBV2     | 629680         | 1026434       | 15.18%          | 3.758%        |
| 4         | 2.299       | 367           | 376         | 396          | rBV      | 92896          | 162302        | 2.40%           | 0.594%        |
| 5         | 2.537       | 444           | 450         | 459          | rVB6     | 4778           | 7976          | 0.12%           | 0.029%        |
| 6         | 2.605       | 469           | 471         | 474          | rBV2     | 763            | 536           | 0.01%           | 0.002%        |
| 7         | 2.621       | 474           | 476         | 477          | rVV      | 1410           | 730           | 0.01%           | 0.003%        |
| 8         | 2.653       | 478           | 486         | 501          | rVB      | 8130           | 17540         | 0.26%           | 0.064%        |
| 9         | 2.795       | 522           | 530         | 536          | rBV6     | 2015           | 3097          | 0.05%           | 0.011%        |
| 10        | 2.859       | 547           | 550         | 553          | rVB4     | 861            | 539           | 0.01%           | 0.002%        |
| 11        | 2.962       | 578           | 582         | 583          | rBV2     | 1068           | 669           | 0.01%           | 0.002%        |
| 12        | 2.975       | 583           | 586         | 588          | rBV2     | 1131           | 592           | 0.01%           | 0.002%        |
| 13        | 3.158       | 639           | 643         | 645          | rBV3     | 1531           | 974           | 0.01%           | 0.004%        |
| 14        | 3.232       | 656           | 666         | 676          | rBV4     | 4765           | 9077          | 0.13%           | 0.033%        |
| 15        | 3.296       | 683           | 686         | 690          | rVB4     | 950            | 475           | 0.01%           | 0.002%        |
| 16        | 3.421       | 719           | 725         | 727          | rBV4     | 887            | 770           | 0.01%           | 0.003%        |
| 17        | 3.460       | 732           | 737         | 739          | rVB3     | 674            | 581           | 0.01%           | 0.002%        |
| 18        | 3.479       | 739           | 743         | 745          | rBV4     | 891            | 737           | 0.01%           | 0.003%        |
| 19        | 3.618       | 784           | 786         | 792          | rBV4     | 901            | 892           | 0.01%           | 0.003%        |
| 20        | 3.733       | 819           | 822         | 825          | rVB2     | 812            | 523           | 0.01%           | 0.002%        |
| 21        | 3.778       | 831           | 836         | 837          | rVV4     | 1213           | 1037          | 0.02%           | 0.004%        |
| 22        | 3.833       | 850           | 853         | 857          | rVB2     | 840            | 648           | 0.01%           | 0.002%        |
| 23        | 3.856       | 857           | 860         | 862          | rBV3     | 970            | 722           | 0.01%           | 0.003%        |
| 24        | 3.923       | 869           | 881         | 929          | rBV      | 279233         | 934875        | 13.83%          | 3.423%        |
| 25        | 4.399       | 1011          | 1029        | 1059         | rBV      | 468274         | 1155956       | 17.10%          | 4.232%        |
| 26        | 4.659       | 1094          | 1110        | 1128         | rBV      | 87097          | 212926        | 3.15%           | 0.780%        |
| 27        | 4.962       | 1200          | 1204        | 1206         | rBV4     | 1143           | 849           | 0.01%           | 0.003%        |
| 28        | 4.994       | 1213          | 1214        | 1218         | rBV4     | 638            | 499           | 0.01%           | 0.002%        |
| 29        | 5.093       | 1225          | 1245        | 1283         | rBV2     | 1043789        | 2683927       | 39.70%          | 9.826%        |
| 30        | 5.331       | 1316          | 1319        | 1321         | rBV3     | 1090           | 632           | 0.01%           | 0.002%        |
| 31        | 5.663       | 1408          | 1422        | 1450         | rBV      | 809400         | 1603866       | 23.73%          | 5.872%        |
| 32        | 5.875       | 1485          | 1488        | 1491         | rVB5     | 1520           | 1138          | 0.02%           | 0.004%        |
| 33        | 5.958       | 1496          | 1514        | 1543         | rBV      | 3481211        | 6759932       | 100.00%         | 24.749%       |
| 34        | 6.116       | 1550          | 1563        | 1589         | rVB      | 681725         | 1347896       | 19.94%          | 4.935%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM091319WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 6.425  | 1657 | 1659 | 1666 | rVB7  | 1477    | 1267    | 0.02%  | 0.005% |
| 36 | 6.454  | 1666 | 1668 | 1670 | rVB2  | 1062    | 517     | 0.01%  | 0.002% |
| 37 | 6.560  | 1698 | 1701 | 1702 | rBV2  | 1174    | 622     | 0.01%  | 0.002% |
| 38 | 6.595  | 1709 | 1712 | 1716 | rBV3  | 708     | 660     | 0.01%  | 0.002% |
| 39 | 6.650  | 1719 | 1729 | 1739 | rBV4  | 6406    | 14487   | 0.21%  | 0.053% |
| 40 | 6.804  | 1775 | 1777 | 1782 | rBV4  | 789     | 611     | 0.01%  | 0.002% |
| 41 | 7.029  | 1832 | 1847 | 1870 | rBV   | 320357  | 573515  | 8.48%  | 2.100% |
| 42 | 7.177  | 1885 | 1893 | 1899 | rBV10 | 4361    | 6977    | 0.10%  | 0.026% |
| 43 | 7.357  | 1936 | 1949 | 1977 | rVV   | 1147905 | 1988888 | 29.42% | 7.282% |
| 44 | 7.662  | 2032 | 2044 | 2066 | rBV   | 226009  | 384707  | 5.69%  | 1.408% |
| 45 | 7.888  | 2106 | 2114 | 2122 | rVB8  | 3421    | 5615    | 0.08%  | 0.021% |
| 46 | 7.971  | 2138 | 2140 | 2142 | rVV2  | 1168    | 660     | 0.01%  | 0.002% |
| 47 | 8.016  | 2149 | 2154 | 2162 | rVB9  | 2998    | 4035    | 0.06%  | 0.015% |
| 48 | 8.129  | 2177 | 2189 | 2238 | rBV2  | 688791  | 1498465 | 22.17% | 5.486% |
| 49 | 8.441  | 2284 | 2286 | 2289 | rVB3  | 925     | 544     | 0.01%  | 0.002% |
| 50 | 8.637  | 2342 | 2347 | 2349 | rBV4  | 922     | 923     | 0.01%  | 0.003% |
| 51 | 8.662  | 2349 | 2355 | 2360 | rVV6  | 1374    | 1515    | 0.02%  | 0.006% |
| 52 | 8.695  | 2363 | 2365 | 2372 | rVB4  | 961     | 815     | 0.01%  | 0.003% |
| 53 | 8.743  | 2377 | 2380 | 2383 | rBV3  | 769     | 574     | 0.01%  | 0.002% |
| 54 | 8.894  | 2413 | 2427 | 2455 | rBV   | 1165702 | 1908317 | 28.23% | 6.987% |
| 55 | 9.058  | 2475 | 2478 | 2483 | rVB7  | 1866    | 1408    | 0.02%  | 0.005% |
| 56 | 9.109  | 2492 | 2494 | 2497 | rBV2  | 877     | 478     | 0.01%  | 0.002% |
| 57 | 9.167  | 2508 | 2512 | 2513 | rBV3  | 1276    | 768     | 0.01%  | 0.003% |
| 58 | 9.180  | 2513 | 2516 | 2523 | rVV7  | 1831    | 2133    | 0.03%  | 0.008% |
| 59 | 9.347  | 2566 | 2568 | 2573 | rVB3  | 825     | 725     | 0.01%  | 0.003% |
| 60 | 9.376  | 2573 | 2577 | 2582 | rBV3  | 856     | 932     | 0.01%  | 0.003% |
| 61 | 9.588  | 2636 | 2643 | 2646 | rBV7  | 2089    | 2238    | 0.03%  | 0.008% |
| 62 | 9.640  | 2657 | 2659 | 2666 | rVB5  | 882     | 631     | 0.01%  | 0.002% |
| 63 | 9.675  | 2666 | 2670 | 2673 | rBV4  | 644     | 491     | 0.01%  | 0.002% |
| 64 | 9.695  | 2673 | 2676 | 2680 | rVB4  | 747     | 514     | 0.01%  | 0.002% |
| 65 | 9.723  | 2680 | 2685 | 2690 | rBV4  | 1618    | 1632    | 0.02%  | 0.006% |
| 66 | 9.977  | 2759 | 2764 | 2771 | rVB6  | 1272    | 1269    | 0.02%  | 0.005% |
| 67 | 10.016 | 2771 | 2776 | 2777 | rBV3  | 695     | 537     | 0.01%  | 0.002% |
| 68 | 10.048 | 2782 | 2786 | 2788 | rBV4  | 868     | 586     | 0.01%  | 0.002% |
| 69 | 10.125 | 2806 | 2810 | 2811 | rBV2  | 699     | 526     | 0.01%  | 0.002% |
| 70 | 10.257 | 2838 | 2851 | 2869 | rBV   | 790422  | 1254233 | 18.55% | 4.592% |
| 71 | 10.421 | 2894 | 2902 | 2910 | rBV6  | 2885    | 4365    | 0.06%  | 0.016% |

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 Min Area: 0 % of largest Peak  
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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM091319WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.576 | 2948 | 2950 | 2954 | rBV2 | 971     | 637     | 0.01%  | 0.002% |
| 73  | 10.707 | 2988 | 2991 | 2995 | rBV4 | 950     | 915     | 0.01%  | 0.003% |
| 74  | 10.852 | 3032 | 3036 | 3038 | rBV2 | 790     | 644     | 0.01%  | 0.002% |
| 75  | 10.865 | 3038 | 3040 | 3044 | rVV3 | 827     | 603     | 0.01%  | 0.002% |
| 76  | 11.215 | 3142 | 3149 | 3152 | rBV4 | 1301    | 1520    | 0.02%  | 0.006% |
| 77  | 11.293 | 3160 | 3173 | 3195 | rBV  | 871604  | 1356549 | 20.07% | 4.967% |
| 78  | 11.489 | 3232 | 3234 | 3240 | rVB4 | 1418    | 1125    | 0.02%  | 0.004% |
| 79  | 11.669 | 3277 | 3290 | 3310 | rBV  | 1133910 | 1778850 | 26.31% | 6.513% |
| 80  | 11.977 | 3383 | 3386 | 3388 | rBV3 | 876     | 572     | 0.01%  | 0.002% |
| 81  | 12.186 | 3449 | 3451 | 3455 | rVB3 | 992     | 668     | 0.01%  | 0.002% |
| 82  | 12.215 | 3455 | 3460 | 3463 | rBV4 | 743     | 717     | 0.01%  | 0.003% |
| 83  | 12.238 | 3463 | 3467 | 3469 | rVV3 | 1074    | 638     | 0.01%  | 0.002% |
| 84  | 12.498 | 3545 | 3548 | 3550 | rVV2 | 656     | 514     | 0.01%  | 0.002% |
| 85  | 12.521 | 3553 | 3555 | 3559 | rVB4 | 1257    | 679     | 0.01%  | 0.002% |
| 86  | 12.559 | 3562 | 3567 | 3572 | rVB5 | 699     | 766     | 0.01%  | 0.003% |
| 87  | 12.772 | 3630 | 3633 | 3640 | rVB5 | 863     | 731     | 0.01%  | 0.003% |
| 88  | 12.826 | 3647 | 3650 | 3653 | rVB3 | 821     | 516     | 0.01%  | 0.002% |
| 89  | 12.846 | 3653 | 3656 | 3659 | rVB2 | 1536    | 952     | 0.01%  | 0.003% |
| 90  | 12.936 | 3680 | 3684 | 3687 | rBV4 | 731     | 590     | 0.01%  | 0.002% |
| 91  | 13.077 | 3726 | 3728 | 3733 | rVB3 | 747     | 532     | 0.01%  | 0.002% |
| 92  | 13.315 | 3796 | 3802 | 3805 | rBV5 | 1699    | 1891    | 0.03%  | 0.007% |
| 93  | 13.434 | 3835 | 3839 | 3845 | rBV5 | 977     | 1422    | 0.02%  | 0.005% |
| 94  | 13.736 | 3931 | 3933 | 3936 | rVB  | 949     | 473     | 0.01%  | 0.002% |
| 95  | 13.791 | 3948 | 3950 | 3952 | rBV2 | 1095    | 606     | 0.01%  | 0.002% |
| 96  | 13.964 | 4000 | 4004 | 4007 | rBV3 | 848     | 775     | 0.01%  | 0.003% |
| 97  | 14.003 | 4014 | 4016 | 4021 | rVB4 | 815     | 602     | 0.01%  | 0.002% |
| 98  | 14.083 | 4037 | 4041 | 4045 | rBV6 | 1077    | 1140    | 0.02%  | 0.004% |
| 99  | 14.128 | 4051 | 4055 | 4060 | rVB5 | 1210    | 970     | 0.01%  | 0.004% |
| 100 | 14.788 | 4258 | 4260 | 4262 | rBV2 | 1020    | 553     | 0.01%  | 0.002% |

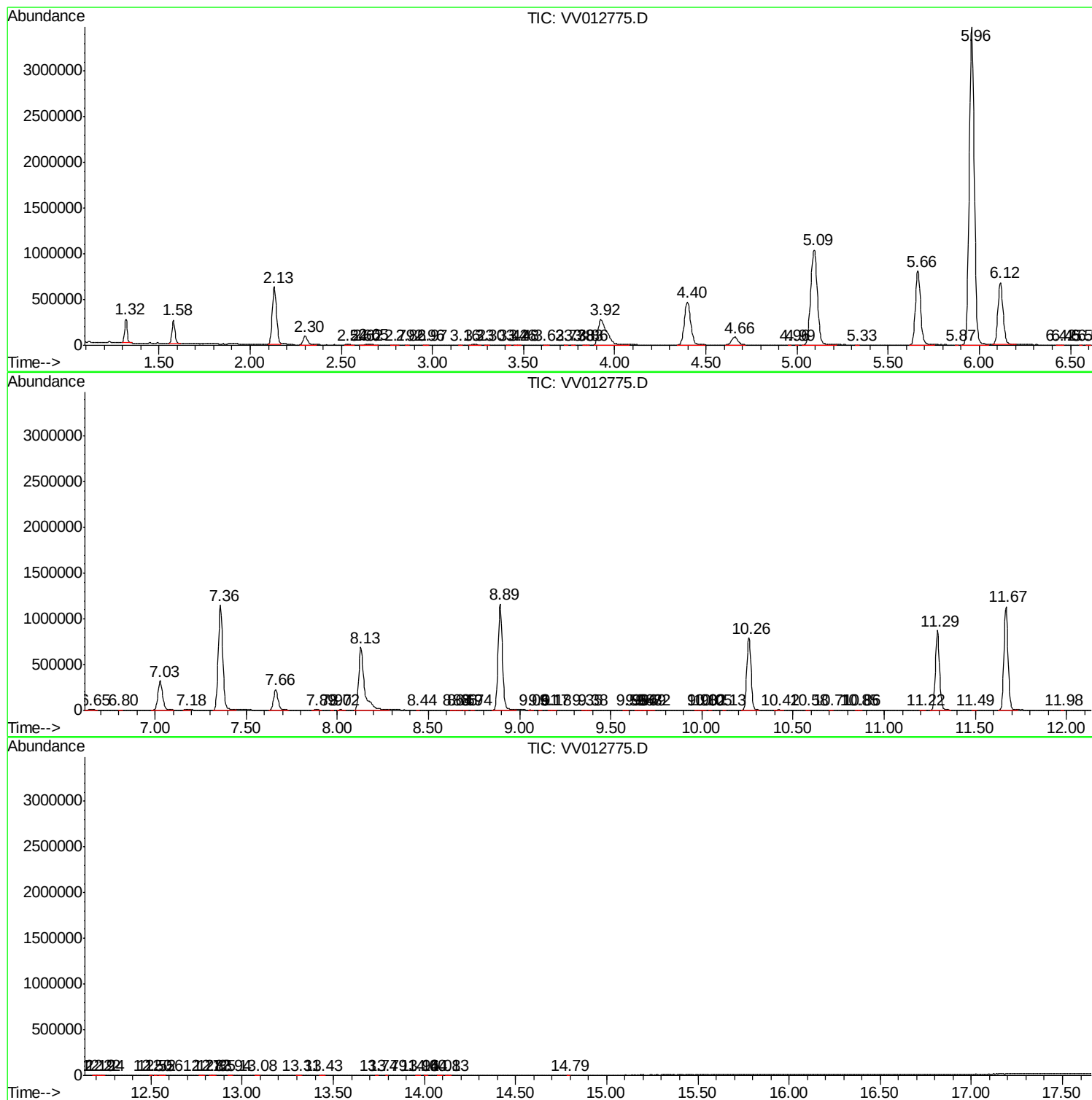
Sum of corrected areas: 27313551

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM091319WMA.M  
Quant Title : VOC Analysis

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



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COMG7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM091319WMA.M  
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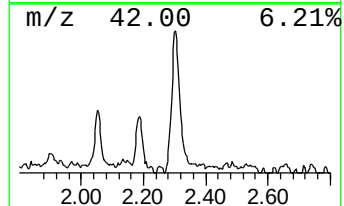
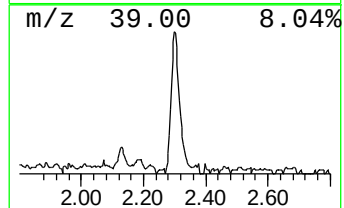
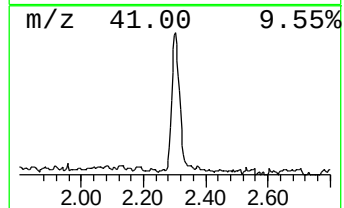
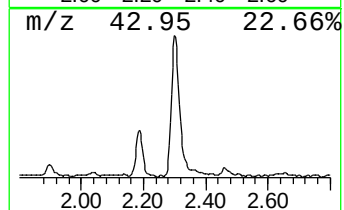
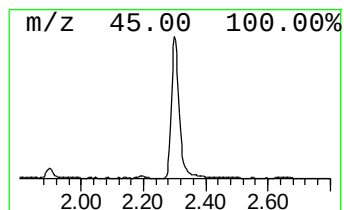
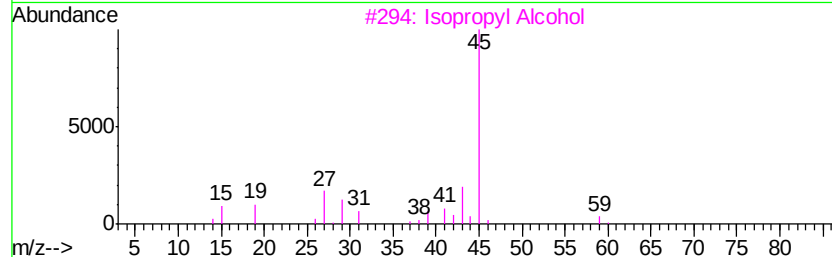
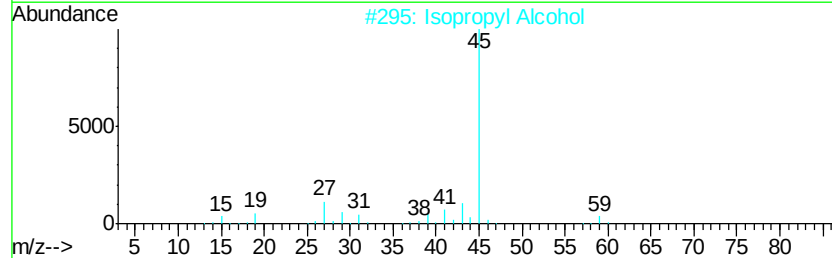
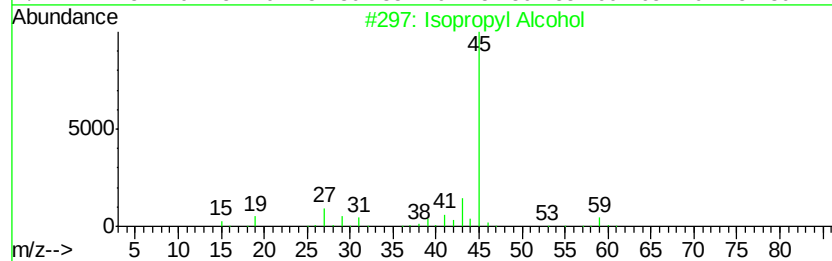
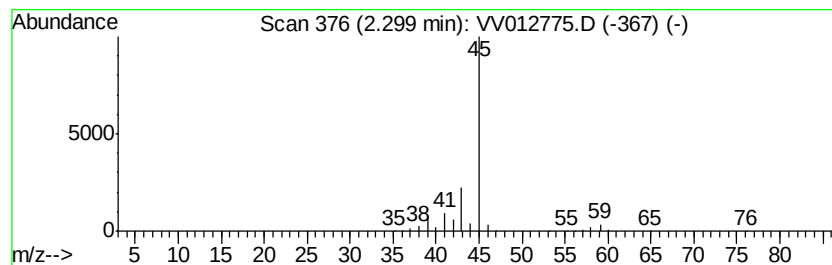
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.30 | 5.06 ug/L | 162302 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | 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 | 56   |
| 5    |    | 4-Penten-2-ol     | 86 | C5H10O  | 000625-31-0 | 9    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|-------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                   |      |         |       |          | #                     | RT   | Resp    | Conc |
| Isopropyl Alcohol | 2.30 | 5.1     | ug/L  | 162302   | 1                     | 5.66 | 1603870 | 50.0 |