

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\  
 Data File : VU037655.D  
 Acq On : 10 Apr 2020 06:26  
 Operator : JC/MD  
 Sample : L2212-15  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0ET5

## 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\SOMULM040920WMA.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         | 1.613       | 78            | 85          | 96           | rVB      | 267424         | 281790        | 13.64%          | 1.718%        |
| 2         | 1.929       | 176           | 183         | 203          | rVB      | 218759         | 288792        | 13.98%          | 1.761%        |
| 3         | 2.591       | 378           | 389         | 402          | rBV      | 391465         | 634107        | 30.70%          | 3.867%        |
| 4         | 2.790       | 441           | 451         | 466          | rVB      | 48236          | 86367         | 4.18%           | 0.527%        |
| 5         | 3.491       | 666           | 669         | 672          | rBV3     | 651            | 418           | 0.02%           | 0.003%        |
| 6         | 3.520       | 676           | 678         | 680          | rBV2     | 438            | 284           | 0.01%           | 0.002%        |
| 7         | 3.774       | 755           | 757         | 763          | rVB4     | 716            | 459           | 0.02%           | 0.003%        |
| 8         | 3.887       | 790           | 792         | 797          | rVB3     | 1020           | 790           | 0.04%           | 0.005%        |
| 9         | 3.912       | 797           | 800         | 801          | rBV      | 758            | 371           | 0.02%           | 0.002%        |
| 10        | 4.109       | 858           | 861         | 863          | rVB      | 479            | 238           | 0.01%           | 0.001%        |
| 11        | 4.125       | 863           | 866         | 869          | rBV2     | 631            | 586           | 0.03%           | 0.004%        |
| 12        | 4.350       | 930           | 936         | 940          | rBV2     | 721            | 763           | 0.04%           | 0.005%        |
| 13        | 4.375       | 940           | 944         | 946          | rBV4     | 718            | 438           | 0.02%           | 0.003%        |
| 14        | 4.424       | 956           | 959         | 962          | rBV3     | 477            | 315           | 0.02%           | 0.002%        |
| 15        | 4.591       | 1007          | 1011        | 1012         | rBV      | 476            | 379           | 0.02%           | 0.002%        |
| 16        | 4.665       | 1020          | 1034        | 1061         | rBV      | 263552         | 622565        | 30.14%          | 3.796%        |
| 17        | 5.102       | 1154          | 1170        | 1194         | rVB      | 354601         | 776259        | 37.58%          | 4.733%        |
| 18        | 5.395       | 1258          | 1261        | 1264         | rBV4     | 1078           | 891           | 0.04%           | 0.005%        |
| 19        | 5.517       | 1296          | 1299        | 1301         | rBV2     | 655            | 482           | 0.02%           | 0.003%        |
| 20        | 5.559       | 1309          | 1312        | 1315         | rVB3     | 799            | 535           | 0.03%           | 0.003%        |
| 21        | 5.578       | 1315          | 1318        | 1322         | rBV2     | 637            | 583           | 0.03%           | 0.004%        |
| 22        | 5.655       | 1339          | 1342        | 1344         | rBV3     | 429            | 290           | 0.01%           | 0.002%        |
| 23        | 5.761       | 1353          | 1375        | 1396         | rBV2     | 789256         | 2065546       | 100.00%         | 12.595%       |
| 24        | 6.279       | 1521          | 1536        | 1555         | rBV      | 646448         | 1194726       | 57.84%          | 7.285%        |
| 25        | 6.459       | 1590          | 1592        | 1597         | rBV4     | 617            | 416           | 0.02%           | 0.003%        |
| 26        | 6.723       | 1658          | 1674        | 1691         | rBV      | 503043         | 970823        | 47.00%          | 5.920%        |
| 27        | 7.002       | 1759          | 1761        | 1764         | rVB3     | 828            | 361           | 0.02%           | 0.002%        |
| 28        | 7.018       | 1764          | 1766        | 1769         | rBV3     | 412            | 277           | 0.01%           | 0.002%        |
| 29        | 7.173       | 1811          | 1814        | 1816         | rBV2     | 793            | 384           | 0.02%           | 0.002%        |
| 30        | 7.414       | 1886          | 1889        | 1890         | rBV2     | 573            | 339           | 0.02%           | 0.002%        |
| 31        | 7.543       | 1927          | 1929        | 1930         | rBV2     | 398            | 161           | 0.01%           | 0.001%        |
| 32        | 7.591       | 1931          | 1944        | 1961         | rVV      | 296925         | 517568        | 25.06%          | 3.156%        |
| 33        | 7.922       | 2033          | 2047        | 2064         | rBV      | 980567         | 1673687       | 81.03%          | 10.206%       |
| 34        | 8.202       | 2122          | 2134        | 2150         | rBV      | 214804         | 356362        | 17.25%          | 2.173%        |

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 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\SOMULM040920WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 8.533  | 2235 | 2237 | 2240 | rBV2 | 443    | 290     | 0.01%  | 0.002% |
| 36 | 8.571  | 2240 | 2249 | 2260 | rVB3 | 18829  | 30097   | 1.46%  | 0.184% |
| 37 | 8.655  | 2260 | 2275 | 2301 | rBV  | 801934 | 1431828 | 69.32% | 8.731% |
| 38 | 9.025  | 2387 | 2390 | 2395 | rBV5 | 721    | 763     | 0.04%  | 0.005% |
| 39 | 9.436  | 2503 | 2518 | 2537 | rBV  | 896839 | 1467380 | 71.04% | 8.948% |
| 40 | 9.584  | 2562 | 2564 | 2566 | rBV2 | 562    | 259     | 0.01%  | 0.002% |
| 41 | 9.652  | 2581 | 2585 | 2591 | rBV4 | 804    | 997     | 0.05%  | 0.006% |
| 42 | 9.768  | 2618 | 2621 | 2622 | rBV2 | 369    | 211     | 0.01%  | 0.001% |
| 43 | 9.809  | 2631 | 2634 | 2636 | rBV4 | 469    | 324     | 0.02%  | 0.002% |
| 44 | 9.864  | 2649 | 2651 | 2657 | rVB4 | 648    | 553     | 0.03%  | 0.003% |
| 45 | 9.893  | 2657 | 2660 | 2664 | rBV3 | 669    | 578     | 0.03%  | 0.004% |
| 46 | 9.935  | 2671 | 2673 | 2675 | rBV3 | 565    | 320     | 0.02%  | 0.002% |
| 47 | 10.012 | 2694 | 2697 | 2700 | rBV3 | 461    | 399     | 0.02%  | 0.002% |
| 48 | 10.092 | 2719 | 2722 | 2723 | rBV2 | 634    | 403     | 0.02%  | 0.002% |
| 49 | 10.362 | 2801 | 2806 | 2811 | rBV4 | 838    | 1121    | 0.05%  | 0.007% |
| 50 | 10.539 | 2858 | 2861 | 2862 | rBV2 | 467    | 301     | 0.01%  | 0.002% |
| 51 | 10.607 | 2880 | 2882 | 2885 | rVB2 | 521    | 233     | 0.01%  | 0.001% |
| 52 | 10.658 | 2895 | 2898 | 2900 | rVB3 | 568    | 243     | 0.01%  | 0.001% |
| 53 | 10.706 | 2911 | 2913 | 2917 | rVB2 | 601    | 451     | 0.02%  | 0.003% |
| 54 | 10.771 | 2921 | 2933 | 2954 | rVB  | 656720 | 1043052 | 50.50% | 6.360% |
| 55 | 10.864 | 2957 | 2962 | 2963 | rBV3 | 758    | 600     | 0.03%  | 0.004% |
| 56 | 11.073 | 3025 | 3027 | 3030 | rBV3 | 632    | 431     | 0.02%  | 0.003% |
| 57 | 11.565 | 3176 | 3180 | 3181 | rVB  | 439    | 258     | 0.01%  | 0.002% |
| 58 | 11.732 | 3230 | 3232 | 3235 | rBV2 | 524    | 281     | 0.01%  | 0.002% |
| 59 | 11.825 | 3247 | 3261 | 3286 | rVB  | 915174 | 1437891 | 69.61% | 8.768% |
| 60 | 12.079 | 3329 | 3340 | 3354 | rBV3 | 8638   | 17248   | 0.84%  | 0.105% |
| 61 | 12.205 | 3366 | 3379 | 3395 | rBV  | 926993 | 1482901 | 71.79% | 9.042% |
| 62 | 12.465 | 3458 | 3460 | 3461 | rBV  | 546    | 251     | 0.01%  | 0.002% |
| 63 | 12.748 | 3545 | 3548 | 3553 | rBV3 | 473    | 437     | 0.02%  | 0.003% |
| 64 | 12.783 | 3553 | 3559 | 3560 | rBV2 | 967    | 854     | 0.04%  | 0.005% |

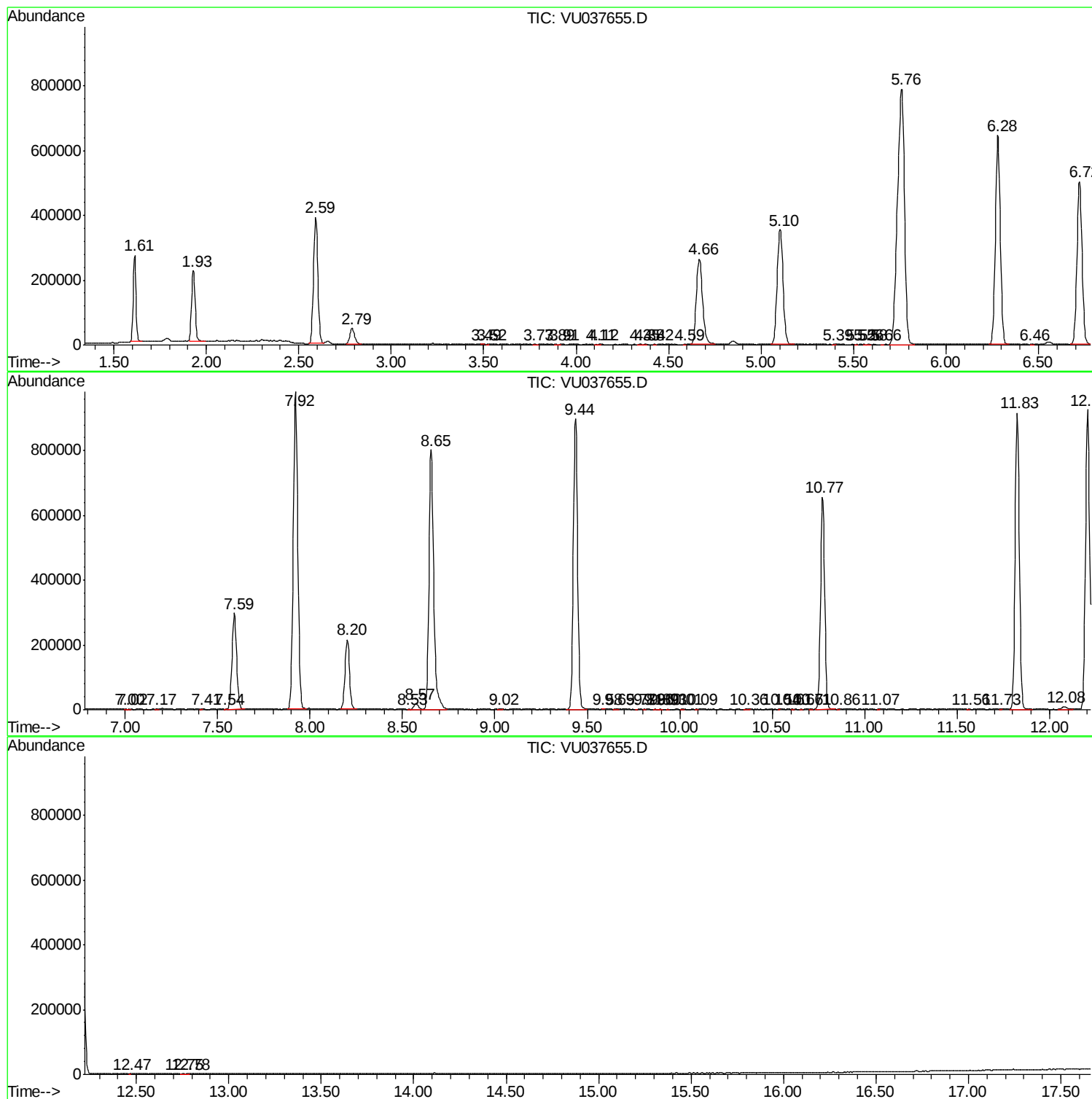
Sum of corrected areas: 16399307

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040920WMA.M  
Quant Title : VOC Analysis

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



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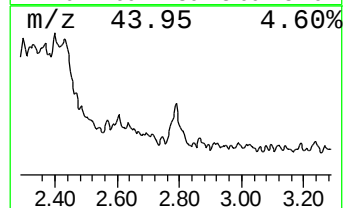
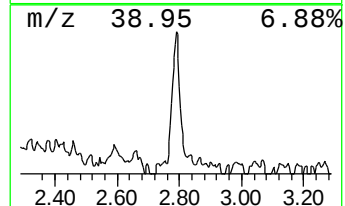
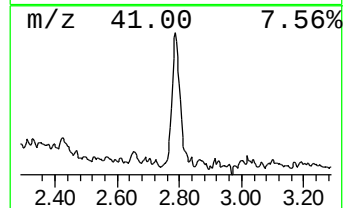
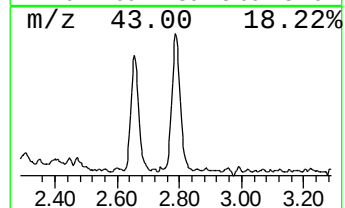
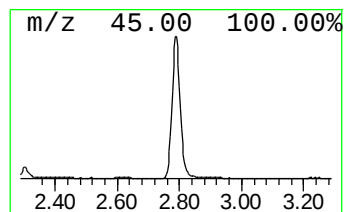
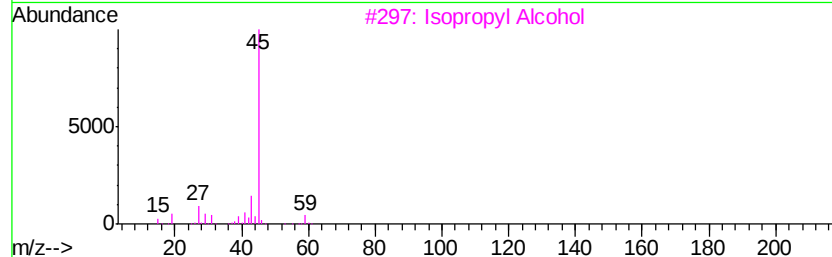
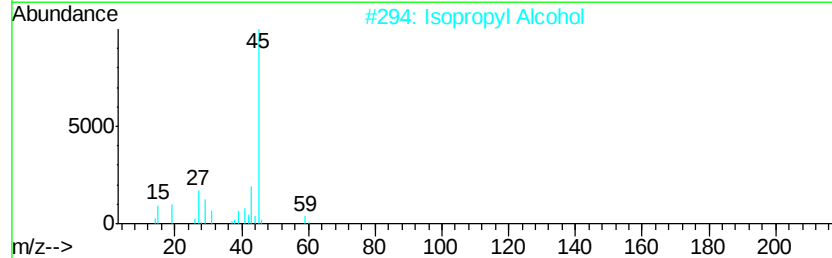
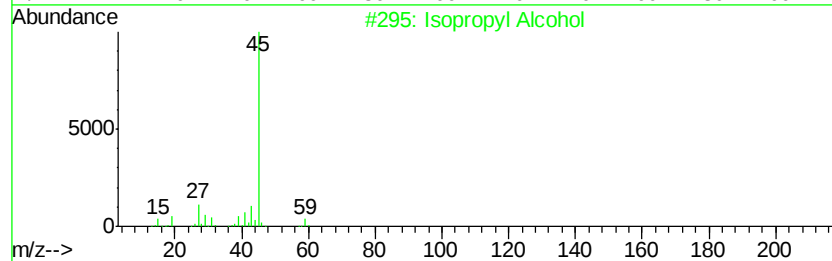
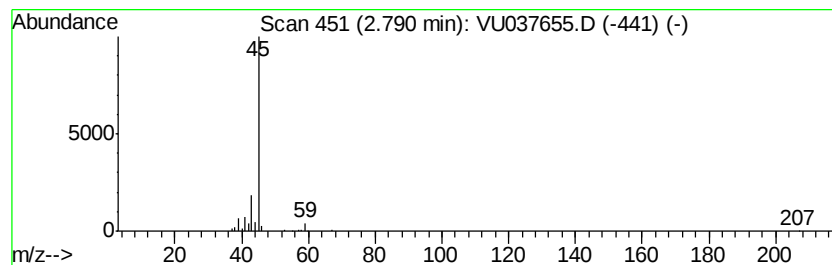
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040920WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 2.79 | 3.61 ug/L | 86367 | 1,4-Difluorobenzene | 6.28 |

| 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    |    |   | Formamide                           | 45  | CH3NO   | 000075-12-7 | 7    |
| 5    |    |   | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3  | 002155-30-8 | 4    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|-------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                   |      |         |       |          | #                     | RT   | Resp    | Conc |
| Isopropyl Alcohol | 2.79 | 3.6     | ug/L  | 86367    | 1                     | 6.28 | 1194730 | 50.0 |