

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
 Data File : VU030444.D  
 Acq On : 26 Mar 2019 15:05  
 Operator : JC/SP  
 Sample : K2070-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C09C6

## 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\SOMULM032319WMA.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          | 36           | rVB3     | 15965          | 16321         | 0.21%           | 0.055%        |
| 2         | 1.328       | 69            | 74          | 81           | rBV2     | 5132           | 6703          | 0.09%           | 0.023%        |
| 3         | 1.399       | 89            | 96          | 107          | rBV      | 295678         | 304631        | 3.88%           | 1.029%        |
| 4         | 1.672       | 175           | 181         | 206          | rVB      | 223515         | 320710        | 4.08%           | 1.083%        |
| 5         | 2.270       | 356           | 367         | 378          | rBV      | 450923         | 687015        | 8.75%           | 2.320%        |
| 6         | 2.447       | 409           | 422         | 439          | rVV      | 67737          | 124180        | 1.58%           | 0.419%        |
| 7         | 2.537       | 448           | 450         | 456          | rBV      | 1960           | 1512          | 0.02%           | 0.005%        |
| 8         | 2.740       | 508           | 513         | 517          | rBV3     | 1778           | 1859          | 0.02%           | 0.006%        |
| 9         | 2.762       | 517           | 520         | 524          | rVB2     | 2589           | 1587          | 0.02%           | 0.005%        |
| 10        | 2.820       | 532           | 538         | 540          | rBV      | 3322           | 3281          | 0.04%           | 0.011%        |
| 11        | 2.900       | 560           | 563         | 567          | rBV      | 2798           | 2167          | 0.03%           | 0.007%        |
| 12        | 3.106       | 623           | 627         | 631          | rVB2     | 1979           | 1878          | 0.02%           | 0.006%        |
| 13        | 3.129       | 631           | 634         | 640          | rBV      | 1989           | 2390          | 0.03%           | 0.008%        |
| 14        | 3.183       | 645           | 651         | 655          | rBV2     | 1582           | 2248          | 0.03%           | 0.008%        |
| 15        | 3.251       | 668           | 672         | 677          | rBV2     | 1288           | 1691          | 0.02%           | 0.006%        |
| 16        | 3.286       | 677           | 683         | 686          | rBV      | 1429           | 1630          | 0.02%           | 0.006%        |
| 17        | 3.376       | 708           | 711         | 717          | rVB      | 2006           | 1911          | 0.02%           | 0.006%        |
| 18        | 3.444       | 730           | 732         | 740          | rVB2     | 1927           | 1804          | 0.02%           | 0.006%        |
| 19        | 3.498       | 744           | 749         | 752          | rVB      | 1950           | 1561          | 0.02%           | 0.005%        |
| 20        | 3.601       | 776           | 781         | 788          | rVB      | 2272           | 3305          | 0.04%           | 0.011%        |
| 21        | 3.659       | 788           | 799         | 803          | rBV      | 3056           | 5061          | 0.06%           | 0.017%        |
| 22        | 3.724       | 815           | 819         | 821          | rBV      | 1998           | 1489          | 0.02%           | 0.005%        |
| 23        | 3.888       | 863           | 870         | 874          | rVB      | 1993           | 2309          | 0.03%           | 0.008%        |
| 24        | 4.177       | 940           | 960         | 984          | rBV      | 191273         | 509231        | 6.48%           | 1.720%        |
| 25        | 4.386       | 1018          | 1025        | 1046         | rVB2     | 19016          | 47294         | 0.60%           | 0.160%        |
| 26        | 4.646       | 1090          | 1106        | 1126         | rBV      | 318655         | 752057        | 9.58%           | 2.540%        |
| 27        | 4.826       | 1157          | 1162        | 1167         | rVV      | 1746           | 1989          | 0.03%           | 0.007%        |
| 28        | 4.952       | 1198          | 1201        | 1206         | rVB      | 2040           | 2019          | 0.03%           | 0.007%        |
| 29        | 4.981       | 1206          | 1210        | 1212         | rBV      | 1488           | 1321          | 0.02%           | 0.004%        |
| 30        | 5.019       | 1218          | 1222        | 1226         | rBV      | 1681           | 1532          | 0.02%           | 0.005%        |
| 31        | 5.087       | 1239          | 1243        | 1249         | rVB      | 2463           | 2617          | 0.03%           | 0.009%        |
| 32        | 5.148       | 1258          | 1262        | 1265         | rBV      | 2179           | 1919          | 0.02%           | 0.006%        |
| 33        | 5.193       | 1271          | 1276        | 1281         | rVB      | 1932           | 1787          | 0.02%           | 0.006%        |
| 34        | 5.338       | 1298          | 1321        | 1331         | rBV2     | 671193         | 1972402       | 25.11%          | 6.662%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
 Data File : VU030444.D  
 Acq On : 26 Mar 2019 15:05  
 Operator : JC/SP  
 Sample : K2070-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C09C6

## 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\SOMULM032319WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 5.614  | 1404 | 1407 | 1412 | rVB  | 3693    | 3876    | 0.05%   | 0.013%  |
| 36 | 5.736  | 1439 | 1445 | 1446 | rBV2 | 1985    | 1789    | 0.02%   | 0.006%  |
| 37 | 5.884  | 1478 | 1491 | 1521 | rBV  | 518542  | 1038258 | 13.22%  | 3.507%  |
| 38 | 6.328  | 1615 | 1629 | 1659 | rBV  | 450073  | 915398  | 11.65%  | 3.092%  |
| 39 | 6.649  | 1725 | 1729 | 1734 | rVB  | 2805    | 2206    | 0.03%   | 0.007%  |
| 40 | 6.785  | 1768 | 1771 | 1774 | rBV  | 1901    | 1512    | 0.02%   | 0.005%  |
| 41 | 6.830  | 1781 | 1785 | 1787 | rBV  | 1627    | 1371    | 0.02%   | 0.005%  |
| 42 | 6.897  | 1800 | 1806 | 1809 | rBV  | 2664    | 3256    | 0.04%   | 0.011%  |
| 43 | 7.029  | 1841 | 1847 | 1850 | rVB  | 1673    | 1823    | 0.02%   | 0.006%  |
| 44 | 7.080  | 1860 | 1863 | 1865 | rBV  | 2183    | 1654    | 0.02%   | 0.006%  |
| 45 | 7.225  | 1896 | 1908 | 1928 | rBV  | 247377  | 451498  | 5.75%   | 1.525%  |
| 46 | 7.563  | 2000 | 2013 | 2038 | rBV  | 836394  | 1511693 | 19.25%  | 5.106%  |
| 47 | 7.846  | 2091 | 2101 | 2115 | rBV  | 171487  | 297786  | 3.79%   | 1.006%  |
| 48 | 8.202  | 2209 | 2212 | 2218 | rVB  | 1933    | 2187    | 0.03%   | 0.007%  |
| 49 | 8.238  | 2218 | 2223 | 2228 | rBV  | 2729    | 2777    | 0.04%   | 0.009%  |
| 50 | 8.309  | 2234 | 2245 | 2279 | rBV  | 607065  | 1114023 | 14.18%  | 3.763%  |
| 51 | 8.473  | 2293 | 2296 | 2303 | rVB  | 3215    | 3315    | 0.04%   | 0.011%  |
| 52 | 8.942  | 2437 | 2442 | 2446 | rBV  | 2683    | 2359    | 0.03%   | 0.008%  |
| 53 | 8.977  | 2449 | 2453 | 2456 | rVV  | 2244    | 1654    | 0.02%   | 0.006%  |
| 54 | 9.029  | 2462 | 2469 | 2472 | rBV  | 1328    | 1642    | 0.02%   | 0.006%  |
| 55 | 9.116  | 2472 | 2496 | 2538 | rBV2 | 3900530 | 7854310 | 100.00% | 26.529% |
| 56 | 9.527  | 2620 | 2624 | 2627 | rBV  | 2255    | 1878    | 0.02%   | 0.006%  |
| 57 | 9.591  | 2640 | 2644 | 2651 | rVB  | 2479    | 2723    | 0.03%   | 0.009%  |
| 58 | 9.829  | 2715 | 2718 | 2727 | rBV2 | 2057    | 2902    | 0.04%   | 0.010%  |
| 59 | 9.961  | 2755 | 2759 | 2763 | rBV  | 1542    | 1645    | 0.02%   | 0.006%  |
| 60 | 10.048 | 2782 | 2786 | 2790 | rBV  | 2429    | 2112    | 0.03%   | 0.007%  |
| 61 | 10.087 | 2796 | 2798 | 2805 | rVB2 | 1435    | 1334    | 0.02%   | 0.005%  |
| 62 | 10.125 | 2805 | 2810 | 2813 | rBV  | 1738    | 1795    | 0.02%   | 0.006%  |
| 63 | 10.309 | 2862 | 2867 | 2870 | rVB  | 1531    | 1358    | 0.02%   | 0.005%  |
| 64 | 10.337 | 2870 | 2876 | 2880 | rBV  | 2311    | 2948    | 0.04%   | 0.010%  |
| 65 | 10.427 | 2891 | 2904 | 2925 | rBV  | 582595  | 944786  | 12.03%  | 3.191%  |
| 66 | 10.591 | 2951 | 2955 | 2957 | rBV  | 1926    | 1337    | 0.02%   | 0.005%  |
| 67 | 10.608 | 2957 | 2960 | 2966 | rVB2 | 2154    | 2016    | 0.03%   | 0.007%  |
| 68 | 10.662 | 2969 | 2977 | 2988 | rVV5 | 11622   | 19165   | 0.24%   | 0.065%  |
| 69 | 10.849 | 3030 | 3035 | 3038 | rBV  | 2232    | 2130    | 0.03%   | 0.007%  |
| 70 | 11.009 | 3080 | 3085 | 3088 | rBV2 | 2044    | 1958    | 0.02%   | 0.007%  |
| 71 | 11.276 | 3165 | 3168 | 3174 | rBV  | 1435    | 1354    | 0.02%   | 0.005%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
 Data File : VU030444.D  
 Acq On : 26 Mar 2019 15:05  
 Operator : JC/SP  
 Sample : K2070-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C09C6

## 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\SOMULM032319WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |         |
|-----|--------|------|------|------|------|---------|---------|--------|---------|
| 72  | 11.415 | 3195 | 3211 | 3222 | rBV  | 821716  | 1313176 | 16.72% | 4.435%  |
| 73  | 11.501 | 3222 | 3238 | 3262 | rVB2 | 3289475 | 6221912 | 79.22% | 21.015% |
| 74  | 11.861 | 3336 | 3350 | 3380 | rVB2 | 969512  | 2310940 | 29.42% | 7.806%  |
| 75  | 12.215 | 3456 | 3460 | 3464 | rVV2 | 1670    | 1509    | 0.02%  | 0.005%  |
| 76  | 12.360 | 3502 | 3505 | 3509 | rVB  | 1992    | 1415    | 0.02%  | 0.005%  |
| 77  | 12.424 | 3519 | 3525 | 3530 | rVB  | 2152    | 2398    | 0.03%  | 0.008%  |
| 78  | 12.488 | 3539 | 3545 | 3548 | rBV3 | 1470    | 1843    | 0.02%  | 0.006%  |
| 79  | 12.636 | 3586 | 3591 | 3594 | rBV4 | 2925    | 2954    | 0.04%  | 0.010%  |
| 80  | 12.752 | 3624 | 3627 | 3631 | rBV2 | 1539    | 1398    | 0.02%  | 0.005%  |
| 81  | 12.829 | 3638 | 3651 | 3660 | rBV4 | 14031   | 29958   | 0.38%  | 0.101%  |
| 82  | 12.887 | 3661 | 3669 | 3681 | rVB5 | 16597   | 27514   | 0.35%  | 0.093%  |
| 83  | 13.170 | 3753 | 3757 | 3763 | rVB  | 2251    | 2660    | 0.03%  | 0.009%  |
| 84  | 13.234 | 3771 | 3777 | 3779 | rBV  | 2341    | 2213    | 0.03%  | 0.007%  |
| 85  | 13.312 | 3797 | 3801 | 3804 | rBV  | 2219    | 1452    | 0.02%  | 0.005%  |
| 86  | 13.447 | 3838 | 3843 | 3847 | rBV2 | 2150    | 2486    | 0.03%  | 0.008%  |
| 87  | 13.501 | 3847 | 3860 | 3886 | rBV  | 345898  | 621708  | 7.92%  | 2.100%  |
| 88  | 13.759 | 3938 | 3940 | 3948 | rVB2 | 1927    | 1794    | 0.02%  | 0.006%  |
| 89  | 13.990 | 4002 | 4012 | 4023 | rBV5 | 18669   | 39420   | 0.50%  | 0.133%  |
| 90  | 14.270 | 4096 | 4099 | 4104 | rBV3 | 2067    | 1600    | 0.02%  | 0.005%  |
| 91  | 14.366 | 4124 | 4129 | 4140 | rVB  | 2262    | 3648    | 0.05%  | 0.012%  |
| 92  | 14.437 | 4149 | 4151 | 4157 | rVB  | 2204    | 1706    | 0.02%  | 0.006%  |
| 93  | 14.569 | 4189 | 4192 | 4196 | rBV2 | 1407    | 1389    | 0.02%  | 0.005%  |
| 94  | 14.726 | 4237 | 4241 | 4243 | rBV  | 2468    | 1815    | 0.02%  | 0.006%  |
| 95  | 14.887 | 4288 | 4291 | 4294 | rVB  | 3268    | 2136    | 0.03%  | 0.007%  |
| 96  | 15.749 | 4555 | 4559 | 4564 | rBV2 | 1509    | 1756    | 0.02%  | 0.006%  |
| 97  | 15.816 | 4576 | 4580 | 4582 | rBV  | 1764    | 1581    | 0.02%  | 0.005%  |
| 98  | 16.154 | 4681 | 4685 | 4689 | rBV2 | 2143    | 2636    | 0.03%  | 0.009%  |
| 99  | 16.263 | 4714 | 4719 | 4722 | rBV  | 2686    | 2519    | 0.03%  | 0.009%  |
| 100 | 16.610 | 4824 | 4827 | 4830 | rBV2 | 2100    | 1762    | 0.02%  | 0.006%  |

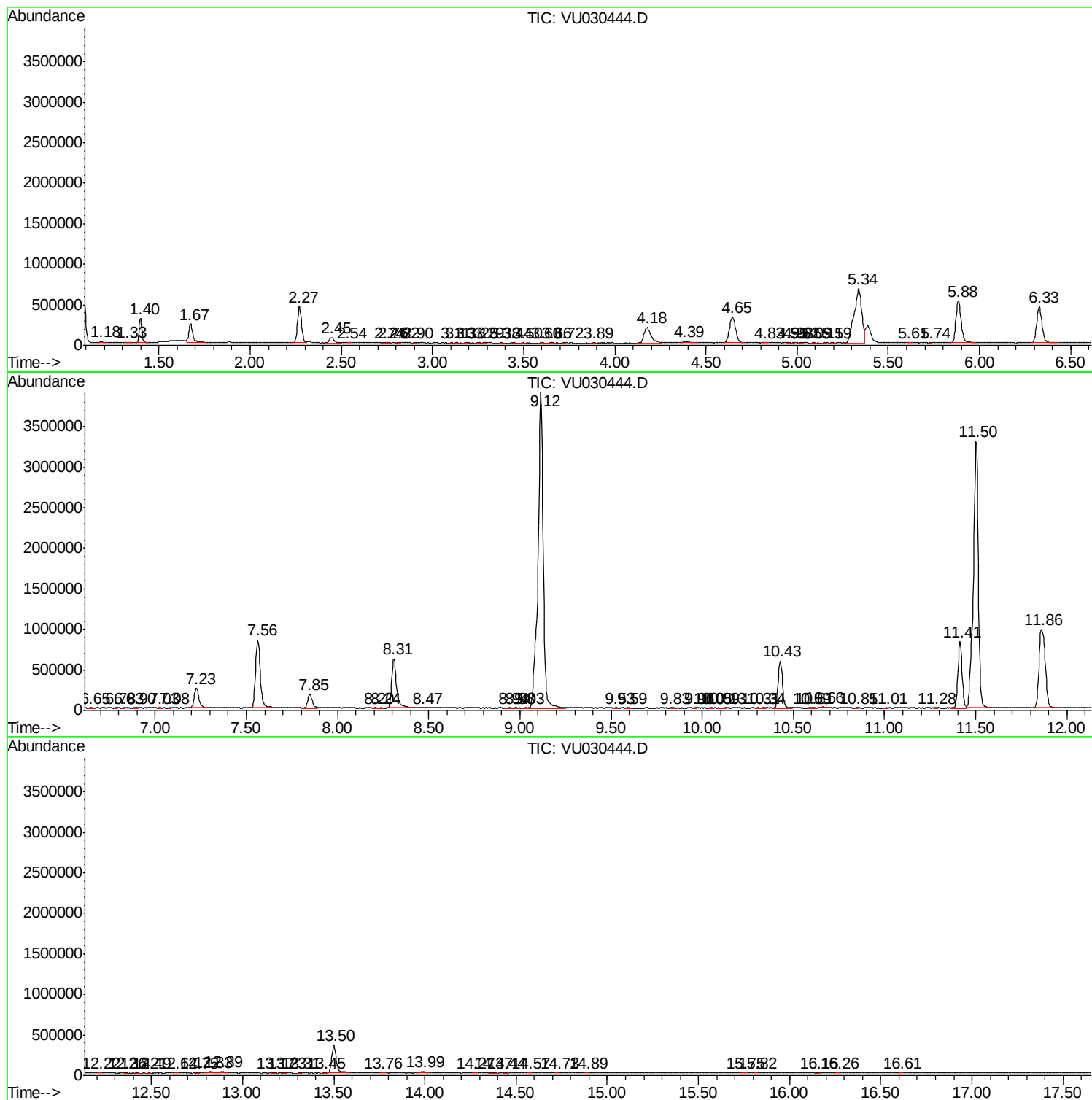
Sum of corrected areas: 29606537

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030444.D  
Acq On : 26 Mar 2019 15:05  
Operator : JC/SP  
Sample : K2070-07  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C09C6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030444.D  
Acq On : 26 Mar 2019 15:05  
Operator : JC/SP  
Sample : K2070-07  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
C09C6

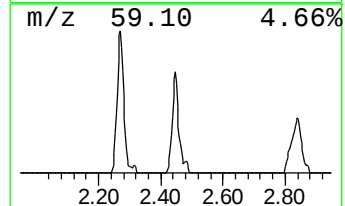
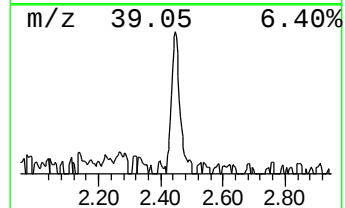
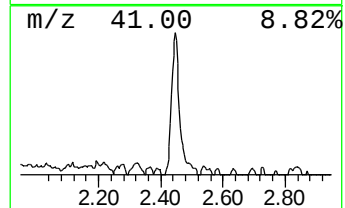
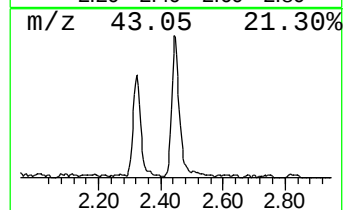
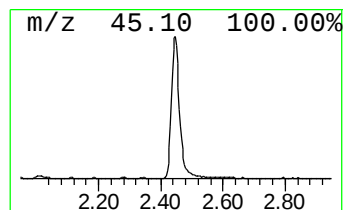
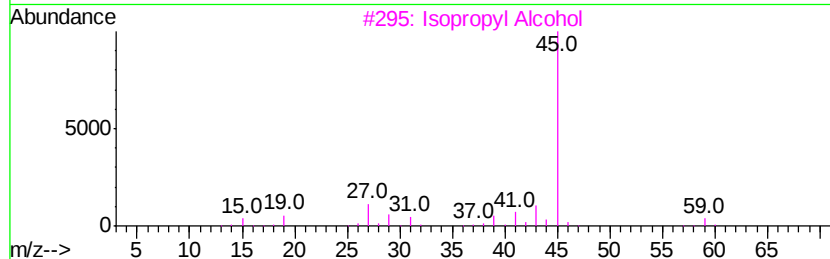
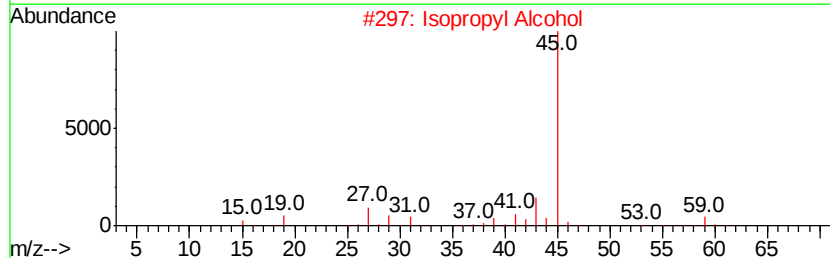
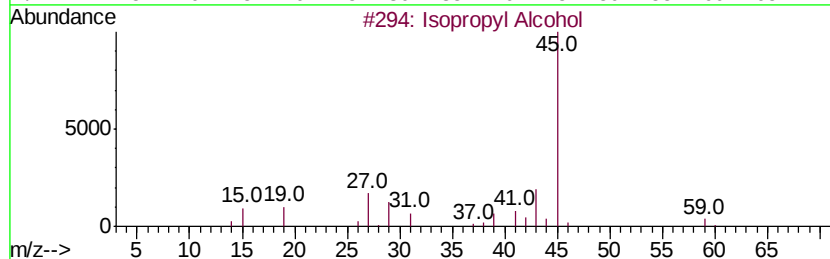
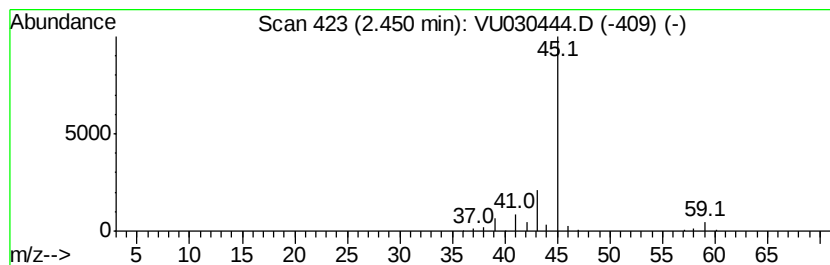
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.45 | 5.98 ug/L | 124180 | 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    |    |   | Hydrazine, ethyl-        | 60 | C2H8N2  | 000624-80-6 | 40   |
| 5    |    |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU032619\  
Data File : VU030444.D  
Acq On : 26 Mar 2019 15:05  
Operator : JC/SP  
Sample : K2070-07  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C09C6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.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 | 2.45 | 6.0     | ug/L  | 124180   | 1                       | 5.88 | 1038260 | 50.0 |