

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
 Data File : VV014033.D  
 Acq On : 12 Dec 2019 15:49  
 Operator : SY/MD  
 Sample : K6280-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFF44

## 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\SOMVLM120219WMA.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          | 81           | rVB      | 324849         | 314569        | 13.18%          | 1.762%        |
| 2         | 1.563       | 141           | 147         | 161          | rVB      | 289382         | 349875        | 14.66%          | 1.960%        |
| 3         | 2.126       | 313           | 322         | 333          | rVB      | 570365         | 801524        | 33.58%          | 4.489%        |
| 4         | 2.827       | 538           | 540         | 541          | rBV2     | 802            | 294           | 0.01%           | 0.002%        |
| 5         | 2.856       | 546           | 549         | 556          | rVB7     | 1118           | 1366          | 0.06%           | 0.008%        |
| 6         | 2.888       | 556           | 559         | 561          | rBV3     | 1028           | 552           | 0.02%           | 0.003%        |
| 7         | 2.901       | 561           | 563         | 566          | rBV3     | 1072           | 779           | 0.03%           | 0.004%        |
| 8         | 2.939       | 570           | 575         | 577          | rBV4     | 1341           | 1109          | 0.05%           | 0.006%        |
| 9         | 3.052       | 607           | 610         | 611          | rBV3     | 1310           | 669           | 0.03%           | 0.004%        |
| 10        | 3.097       | 621           | 624         | 625          | rBV3     | 1384           | 622           | 0.03%           | 0.003%        |
| 11        | 3.113       | 627           | 629         | 631          | rBV4     | 834            | 472           | 0.02%           | 0.003%        |
| 12        | 3.171       | 643           | 647         | 650          | rBV5     | 2539           | 1532          | 0.06%           | 0.009%        |
| 13        | 3.193       | 650           | 654         | 656          | rVV5     | 1152           | 928           | 0.04%           | 0.005%        |
| 14        | 3.203       | 656           | 657         | 658          | rVB      | 709            | 152           | 0.01%           | 0.001%        |
| 15        | 3.277       | 676           | 680         | 681          | rBV3     | 747            | 490           | 0.02%           | 0.003%        |
| 16        | 3.315       | 687           | 692         | 698          | rVB7     | 963            | 1104          | 0.05%           | 0.006%        |
| 17        | 3.348       | 698           | 702         | 704          | rBV3     | 1133           | 922           | 0.04%           | 0.005%        |
| 18        | 3.380       | 710           | 712         | 716          | rVB2     | 2223           | 1251          | 0.05%           | 0.007%        |
| 19        | 3.402       | 716           | 719         | 722          | rBV4     | 1614           | 1229          | 0.05%           | 0.007%        |
| 20        | 3.447       | 726           | 733         | 735          | rBV7     | 2042           | 1560          | 0.07%           | 0.009%        |
| 21        | 3.479       | 741           | 743         | 745          | rBV3     | 603            | 281           | 0.01%           | 0.002%        |
| 22        | 3.569       | 768           | 771         | 776          | rVB6     | 1247           | 1208          | 0.05%           | 0.007%        |
| 23        | 3.592       | 776           | 778         | 780          | rBV2     | 1135           | 698           | 0.03%           | 0.004%        |
| 24        | 3.624       | 786           | 788         | 789          | rBV2     | 883            | 401           | 0.02%           | 0.002%        |
| 25        | 3.669       | 796           | 802         | 809          | rBV8     | 1553           | 2386          | 0.10%           | 0.013%        |
| 26        | 3.695       | 809           | 810         | 813          | rVB2     | 736            | 277           | 0.01%           | 0.002%        |
| 27        | 3.714       | 813           | 816         | 818          | rBV3     | 1427           | 995           | 0.04%           | 0.006%        |
| 28        | 3.740       | 822           | 824         | 827          | rBV3     | 1212           | 827           | 0.03%           | 0.005%        |
| 29        | 3.756       | 827           | 829         | 830          | rBV2     | 630            | 178           | 0.01%           | 0.001%        |
| 30        | 3.791       | 836           | 840         | 843          | rBV4     | 1127           | 1067          | 0.04%           | 0.006%        |
| 31        | 3.836       | 852           | 854         | 855          | rBV2     | 783            | 306           | 0.01%           | 0.002%        |
| 32        | 3.923       | 870           | 881         | 914          | rBV      | 167464         | 465423        | 19.50%          | 2.607%        |
| 33        | 4.261       | 983           | 986         | 988          | rBV4     | 1501           | 696           | 0.03%           | 0.004%        |
| 34        | 4.392       | 1010          | 1027        | 1047         | rBV      | 408079         | 968536        | 40.58%          | 5.425%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
 Data File : VV014033.D  
 Acq On : 12 Dec 2019 15:49  
 Operator : SY/MD  
 Sample : K6280-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFF44

## 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\SOMVLM120219WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 4.618  | 1096 | 1097 | 1098 | rBV  | 1202    | 459     | 0.02%   | 0.003%  |
| 36 | 4.756  | 1138 | 1140 | 1146 | rVB6 | 1242    | 616     | 0.03%   | 0.003%  |
| 37 | 4.794  | 1146 | 1152 | 1154 | rBV6 | 1643    | 1116    | 0.05%   | 0.006%  |
| 38 | 4.830  | 1160 | 1163 | 1165 | rBV4 | 1277    | 779     | 0.03%   | 0.004%  |
| 39 | 4.872  | 1174 | 1176 | 1177 | rBV3 | 779     | 196     | 0.01%   | 0.001%  |
| 40 | 4.920  | 1189 | 1191 | 1198 | rBV7 | 989     | 986     | 0.04%   | 0.006%  |
| 41 | 4.978  | 1207 | 1209 | 1210 | rVB2 | 689     | 168     | 0.01%   | 0.001%  |
| 42 | 5.090  | 1225 | 1244 | 1281 | rBV2 | 943210  | 2386798 | 100.00% | 13.368% |
| 43 | 5.380  | 1331 | 1334 | 1336 | rBV3 | 1809    | 1246    | 0.05%   | 0.007%  |
| 44 | 5.659  | 1407 | 1421 | 1440 | rBV  | 803397  | 1576031 | 66.03%  | 8.827%  |
| 45 | 5.942  | 1499 | 1509 | 1526 | rBV  | 68448   | 137870  | 5.78%   | 0.772%  |
| 46 | 6.113  | 1549 | 1562 | 1589 | rVB  | 555263  | 1123884 | 47.09%  | 6.295%  |
| 47 | 6.608  | 1713 | 1716 | 1719 | rBV4 | 2336    | 1955    | 0.08%   | 0.011%  |
| 48 | 6.884  | 1799 | 1802 | 1804 | rBV3 | 1544    | 1158    | 0.05%   | 0.006%  |
| 49 | 6.962  | 1822 | 1826 | 1829 | rBV4 | 1842    | 1634    | 0.07%   | 0.009%  |
| 50 | 7.026  | 1835 | 1846 | 1867 | rBV  | 274082  | 485775  | 20.35%  | 2.721%  |
| 51 | 7.354  | 1936 | 1948 | 1965 | rBV  | 1055386 | 1804753 | 75.61%  | 10.108% |
| 52 | 7.659  | 2033 | 2043 | 2069 | rVB  | 187538  | 320250  | 13.42%  | 1.794%  |
| 53 | 8.058  | 2164 | 2167 | 2168 | rBV3 | 1666    | 841     | 0.04%   | 0.005%  |
| 54 | 8.129  | 2177 | 2189 | 2223 | rBV2 | 465612  | 1064606 | 44.60%  | 5.963%  |
| 55 | 8.479  | 2296 | 2298 | 2301 | rVB3 | 2259    | 1091    | 0.05%   | 0.006%  |
| 56 | 8.804  | 2396 | 2399 | 2401 | rBV4 | 1629    | 945     | 0.04%   | 0.005%  |
| 57 | 8.891  | 2414 | 2426 | 2447 | rBV  | 1158401 | 1887022 | 79.06%  | 10.569% |
| 58 | 9.170  | 2510 | 2513 | 2514 | rBV3 | 2690    | 1323    | 0.06%   | 0.007%  |
| 59 | 9.347  | 2566 | 2568 | 2571 | rVB3 | 1362    | 635     | 0.03%   | 0.004%  |
| 60 | 9.367  | 2571 | 2574 | 2576 | rBV4 | 1439    | 956     | 0.04%   | 0.005%  |
| 61 | 9.563  | 2633 | 2635 | 2637 | rBV3 | 1537    | 612     | 0.03%   | 0.003%  |
| 62 | 9.656  | 2661 | 2664 | 2669 | rVB5 | 1936    | 1610    | 0.07%   | 0.009%  |
| 63 | 9.682  | 2669 | 2672 | 2674 | rVB2 | 1373    | 644     | 0.03%   | 0.004%  |
| 64 | 9.704  | 2674 | 2679 | 2681 | rBV4 | 1589    | 1566    | 0.07%   | 0.009%  |
| 65 | 9.749  | 2691 | 2693 | 2695 | rBV2 | 1401    | 773     | 0.03%   | 0.004%  |
| 66 | 9.949  | 2753 | 2755 | 2756 | rBV2 | 1116    | 394     | 0.02%   | 0.002%  |
| 67 | 10.029 | 2778 | 2780 | 2782 | rBV2 | 1563    | 740     | 0.03%   | 0.004%  |
| 68 | 10.061 | 2787 | 2790 | 2792 | rBV2 | 1214    | 840     | 0.04%   | 0.005%  |
| 69 | 10.087 | 2796 | 2798 | 2803 | rVB5 | 1200    | 910     | 0.04%   | 0.005%  |
| 70 | 10.135 | 2812 | 2813 | 2814 | rBV  | 767     | 272     | 0.01%   | 0.002%  |
| 71 | 10.254 | 2839 | 2850 | 2868 | rBV  | 662629  | 1047130 | 43.87%  | 5.865%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
 Data File : VV014033.D  
 Acq On : 12 Dec 2019 15:49  
 Operator : SY/MD  
 Sample : K6280-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFF44

## 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\SOMVLM120219WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.357 | 2880 | 2882 | 2884 | rVB3 | 776    | 316     | 0.01%  | 0.002% |
| 73  | 10.370 | 2884 | 2886 | 2889 | rBV4 | 2030   | 1635    | 0.07%  | 0.009% |
| 74  | 10.421 | 2894 | 2902 | 2913 | rVB5 | 7057   | 13290   | 0.56%  | 0.074% |
| 75  | 10.479 | 2916 | 2920 | 2922 | rBV4 | 1290   | 973     | 0.04%  | 0.005% |
| 76  | 10.553 | 2940 | 2943 | 2944 | rBV3 | 1293   | 665     | 0.03%  | 0.004% |
| 77  | 10.653 | 2972 | 2974 | 2975 | rBV  | 474    | 166     | 0.01%  | 0.001% |
| 78  | 10.675 | 2979 | 2981 | 2983 | rBV2 | 1968   | 1014    | 0.04%  | 0.006% |
| 79  | 10.698 | 2987 | 2988 | 2989 | rBV  | 726    | 271     | 0.01%  | 0.002% |
| 80  | 10.711 | 2990 | 2992 | 2994 | rBV3 | 845    | 349     | 0.01%  | 0.002% |
| 81  | 10.842 | 3031 | 3033 | 3035 | rBV2 | 1652   | 984     | 0.04%  | 0.006% |
| 82  | 10.926 | 3056 | 3059 | 3060 | rBV2 | 963    | 492     | 0.02%  | 0.003% |
| 83  | 11.035 | 3087 | 3093 | 3097 | rBV7 | 1279   | 1498    | 0.06%  | 0.008% |
| 84  | 11.061 | 3099 | 3101 | 3105 | rBV3 | 1322   | 928     | 0.04%  | 0.005% |
| 85  | 11.129 | 3119 | 3122 | 3125 | rVB5 | 2192   | 1293    | 0.05%  | 0.007% |
| 86  | 11.145 | 3125 | 3127 | 3128 | rBV2 | 896    | 378     | 0.02%  | 0.002% |
| 87  | 11.186 | 3134 | 3140 | 3141 | rBV4 | 2373   | 2041    | 0.09%  | 0.011% |
| 88  | 11.289 | 3159 | 3172 | 3192 | rBV  | 950646 | 1485303 | 62.23% | 8.319% |
| 89  | 11.666 | 3278 | 3289 | 3306 | rBV  | 969278 | 1538607 | 64.46% | 8.618% |
| 90  | 12.058 | 3408 | 3411 | 3413 | rBV2 | 1601   | 919     | 0.04%  | 0.005% |
| 91  | 12.341 | 3495 | 3499 | 3503 | rVB  | 18242  | 10561   | 0.44%  | 0.059% |
| 92  | 12.428 | 3523 | 3526 | 3527 | rBV3 | 1664   | 1010    | 0.04%  | 0.006% |
| 93  | 12.685 | 3602 | 3606 | 3607 | rBV3 | 2450   | 1905    | 0.08%  | 0.011% |
| 94  | 12.733 | 3619 | 3621 | 3622 | rBV2 | 1731   | 806     | 0.03%  | 0.005% |
| 95  | 12.942 | 3683 | 3686 | 3687 | rBV2 | 2064   | 1176    | 0.05%  | 0.007% |
| 96  | 13.000 | 3702 | 3704 | 3706 | rBV3 | 1745   | 920     | 0.04%  | 0.005% |
| 97  | 13.270 | 3784 | 3788 | 3790 | rBV3 | 2028   | 1475    | 0.06%  | 0.008% |
| 98  | 13.437 | 3838 | 3840 | 3846 | rBV6 | 1097   | 900     | 0.04%  | 0.005% |
| 99  | 13.733 | 3929 | 3932 | 3933 | rBV3 | 1669   | 1036    | 0.04%  | 0.006% |
| 100 | 14.415 | 4142 | 4144 | 4145 | rBV  | 1456   | 553     | 0.02%  | 0.003% |

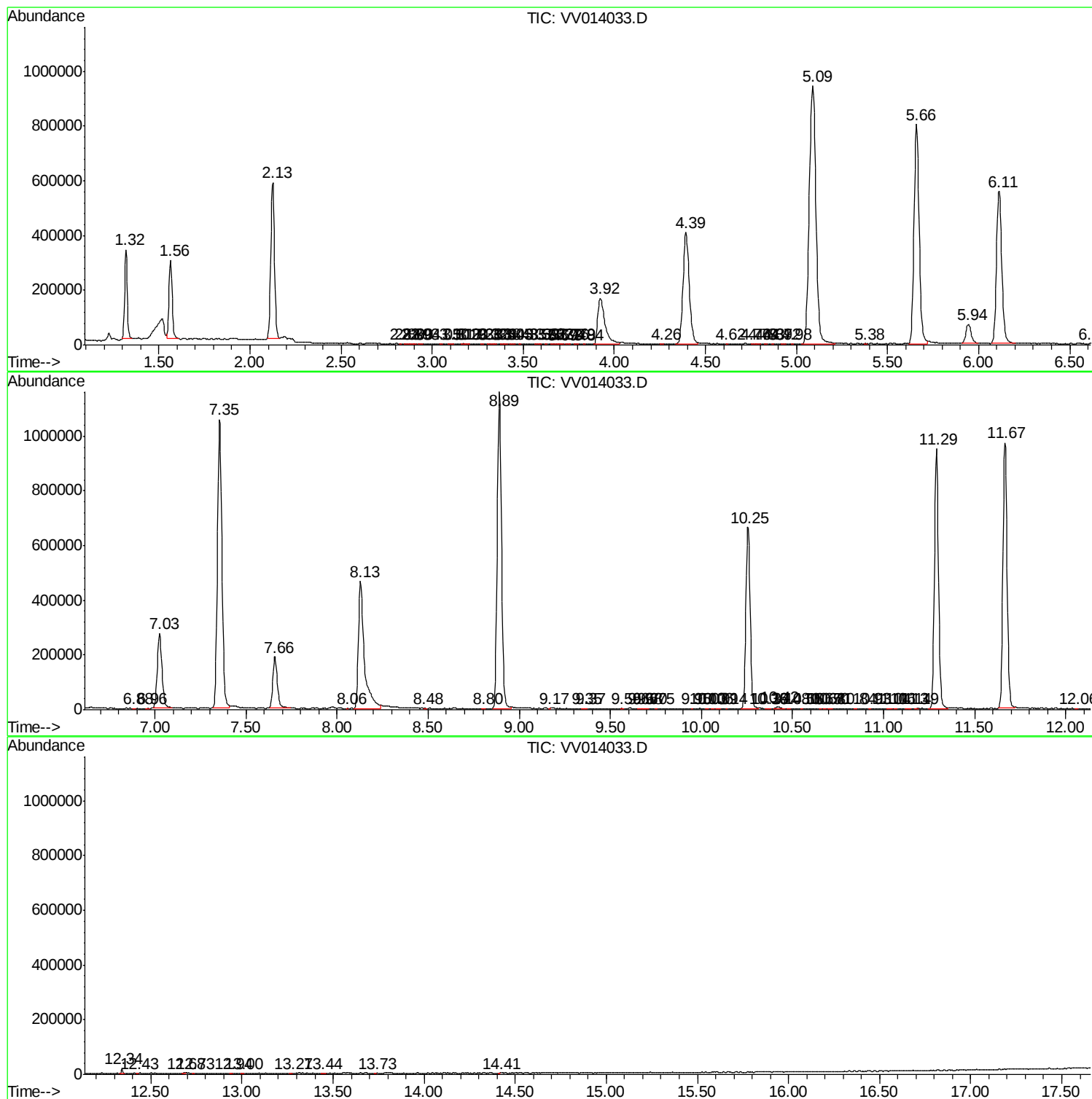
Sum of corrected areas: 17854326

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
Data File : VV014033.D  
Acq On : 12 Dec 2019 15:49  
Operator : SY/MD  
Sample : K6280-07  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFF44

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV121219\  
Data File : VV014033.D  
Acq On : 12 Dec 2019 15:49  
Operator : SY/MD  
Sample : K6280-07  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFF44

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis

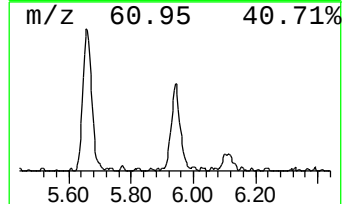
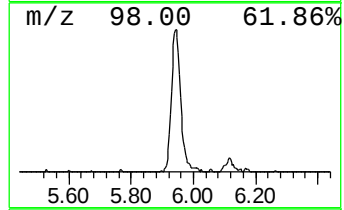
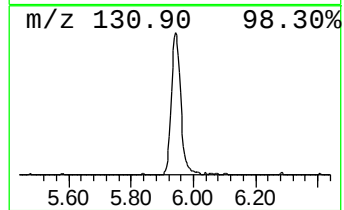
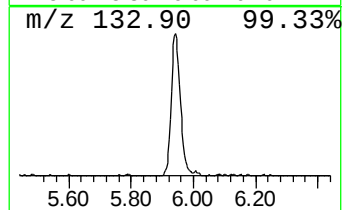
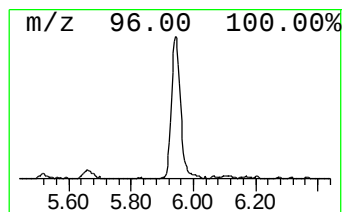
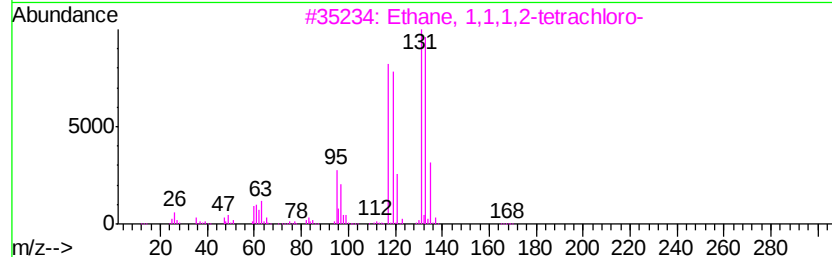
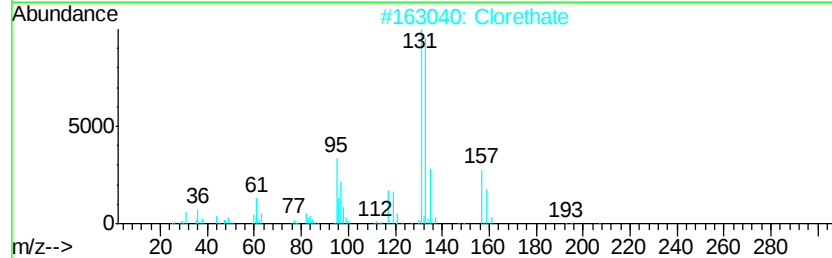
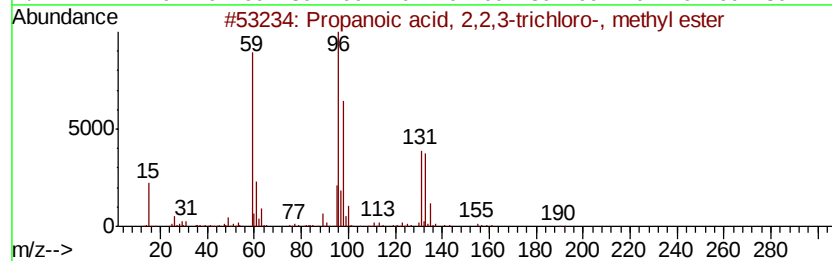
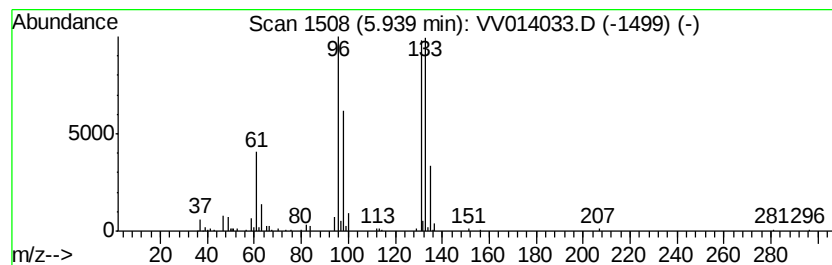
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 5.94 | 4.37 ug/L | 137870 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 37   |
| 2    |    | Clorethate                          | 322 | C5H4Cl6O3 | 005634-37-7 | 25   |
| 3    |    | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 25   |
| 4    |    | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 12   |
| 5    |    | 5-Aminoindazole                     | 133 | C7H7N3    | 019335-11-6 | 9    |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121219\  
Data File : VV014033.D  
Acq On : 12 Dec 2019 15:49  
Operator : SY/MD  
Sample : K6280-07  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFF44

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.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 |
| unknown-01       | 5.94 | 4.4     | ug/L  | 137870   | 1                     | 5.66 | 1576030 | 50.0 |