

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121123\  
 Data File : VV033213.D  
 Acq On : 11 Dec 2023 15:21  
 Operator : SY/MD  
 Sample : 05685-11  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCH87

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Title : VOC Analysis

Signal : TIC: VV033213.D\data.ms

| 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         | 1.278       | 67            | 74          | 87           | rVB      | 107109         | 114058        | 12.78%          | 1.549%        |
| 2         | 1.532       | 145           | 153         | 171          | rVB      | 81074          | 97467         | 10.92%          | 1.324%        |
| 3         | 1.986       | 292           | 294         | 295          | rBV      | 462            | 174           | 0.02%           | 0.002%        |
| 4         | 2.059       | 307           | 317         | 327          | rBV      | 174687         | 252732        | 28.32%          | 3.433%        |
| 5         | 2.214       | 355           | 365         | 401          | rBV      | 109970         | 191738        | 21.49%          | 2.605%        |
| 6         | 2.564       | 465           | 474         | 485          | rBV2     | 5025           | 8948          | 1.00%           | 0.122%        |
| 7         | 2.667       | 503           | 506         | 507          | rBV3     | 282            | 152           | 0.02%           | 0.002%        |
| 8         | 2.706       | 507           | 518         | 531          | rVV3     | 7461           | 15377         | 1.72%           | 0.209%        |
| 9         | 2.815       | 550           | 552         | 554          | rBV      | 340            | 134           | 0.02%           | 0.002%        |
| 10        | 2.857       | 563           | 565         | 567          | rBV      | 340            | 134           | 0.02%           | 0.002%        |
| 11        | 2.950       | 591           | 594         | 598          | rVV2     | 402            | 292           | 0.03%           | 0.004%        |
| 12        | 2.985       | 601           | 605         | 608          | rBV2     | 380            | 285           | 0.03%           | 0.004%        |
| 13        | 3.005       | 609           | 611         | 616          | rBV2     | 177            | 147           | 0.02%           | 0.002%        |
| 14        | 3.092       | 636           | 638         | 641          | rVV      | 378            | 227           | 0.03%           | 0.003%        |
| 15        | 3.146       | 653           | 655         | 657          | rBV      | 239            | 142           | 0.02%           | 0.002%        |
| 16        | 3.159       | 657           | 659         | 662          | rVB2     | 225            | 132           | 0.01%           | 0.002%        |
| 17        | 3.272       | 692           | 694         | 696          | rBV      | 264            | 168           | 0.02%           | 0.002%        |
| 18        | 3.346       | 713           | 717         | 720          | rVB2     | 268            | 149           | 0.02%           | 0.002%        |
| 19        | 3.368       | 721           | 724         | 729          | rVB      | 283            | 179           | 0.02%           | 0.002%        |
| 20        | 3.461       | 750           | 753         | 756          | rVV2     | 201            | 124           | 0.01%           | 0.002%        |
| 21        | 3.564       | 782           | 785         | 788          | rVB      | 233            | 144           | 0.02%           | 0.002%        |
| 22        | 3.780       | 844           | 852         | 872          | rBV      | 54201          | 141611        | 15.87%          | 1.924%        |
| 23        | 4.249       | 981           | 998         | 1023         | rBV2     | 150725         | 390939        | 43.81%          | 5.311%        |
| 24        | 4.558       | 1091          | 1094        | 1099         | rBV3     | 533            | 415           | 0.05%           | 0.006%        |
| 25        | 4.616       | 1109          | 1112        | 1113         | rBV2     | 233            | 132           | 0.01%           | 0.002%        |
| 26        | 4.654       | 1122          | 1124        | 1127         | rBV2     | 455            | 295           | 0.03%           | 0.004%        |
| 27        | 4.780       | 1160          | 1163        | 1166         | rBV      | 287            | 193           | 0.02%           | 0.003%        |
| 28        | 4.825       | 1175          | 1177        | 1179         | rBV      | 254            | 123           | 0.01%           | 0.002%        |
| 29        | 4.873       | 1189          | 1192        | 1197         | rVB      | 294            | 212           | 0.02%           | 0.003%        |
| 30        | 4.956       | 1201          | 1218        | 1245         | rBV2     | 337851         | 892386        | 100.00%         | 12.123%       |
| 31        | 5.368       | 1344          | 1346        | 1349         | rVB      | 524            | 262           | 0.03%           | 0.004%        |
| 32        | 5.387       | 1349          | 1352        | 1355         | rVB2     | 211            | 185           | 0.02%           | 0.003%        |
| 33        | 5.410       | 1355          | 1359        | 1362         | rBV2     | 459            | 271           | 0.03%           | 0.004%        |
| 34        | 5.458       | 1372          | 1374        | 1376         | rBV2     | 252            | 128           | 0.01%           | 0.002%        |
| 35        | 5.535       | 1386          | 1398        | 1430         | rBV      | 288892         | 596804        | 66.88%          | 8.108%        |
| 36        | 5.828       | 1479          | 1489        | 1509         | rVB2     | 12762          | 27665         | 3.10%           | 0.376%        |

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 5.989  | 1525 | 1539 | 1561 | rBV2 | 187540 | 385234 | 43.17% | 5.233%  |
| 38 | 6.272  | 1624 | 1627 | 1629 | rVB  | 295    | 169    | 0.02%  | 0.002%  |
| 39 | 6.410  | 1666 | 1670 | 1674 | rBV2 | 307    | 288    | 0.03%  | 0.004%  |
| 40 | 6.596  | 1726 | 1728 | 1733 | rVB2 | 500    | 316    | 0.04%  | 0.004%  |
| 41 | 6.619  | 1733 | 1735 | 1738 | rBV2 | 316    | 171    | 0.02%  | 0.002%  |
| 42 | 6.744  | 1769 | 1774 | 1777 | rBV  | 171    | 181    | 0.02%  | 0.002%  |
| 43 | 6.911  | 1816 | 1826 | 1845 | rBV  | 108614 | 202608 | 22.70% | 2.752%  |
| 44 | 7.169  | 1902 | 1906 | 1908 | rBV3 | 544    | 311    | 0.03%  | 0.004%  |
| 45 | 7.246  | 1918 | 1930 | 1958 | rBV  | 413423 | 734524 | 82.31% | 9.979%  |
| 46 | 7.554  | 2016 | 2026 | 2043 | rBV  | 80906  | 143278 | 16.06% | 1.946%  |
| 47 | 7.702  | 2069 | 2072 | 2076 | rVB2 | 486    | 346    | 0.04%  | 0.005%  |
| 48 | 7.815  | 2102 | 2107 | 2108 | rBV  | 311    | 242    | 0.03%  | 0.003%  |
| 49 | 7.879  | 2116 | 2127 | 2138 | rBV2 | 2634   | 4709   | 0.53%  | 0.064%  |
| 50 | 7.963  | 2151 | 2153 | 2158 | rVB2 | 314    | 215    | 0.02%  | 0.003%  |
| 51 | 8.024  | 2161 | 2172 | 2206 | rBV  | 198052 | 381381 | 42.74% | 5.181%  |
| 52 | 8.345  | 2268 | 2272 | 2273 | rBV  | 306    | 227    | 0.03%  | 0.003%  |
| 53 | 8.400  | 2285 | 2289 | 2290 | rBV  | 287    | 160    | 0.02%  | 0.002%  |
| 54 | 8.429  | 2296 | 2298 | 2300 | rVB2 | 317    | 123    | 0.01%  | 0.002%  |
| 55 | 8.786  | 2397 | 2409 | 2430 | rBV  | 465276 | 760014 | 85.17% | 10.325% |
| 56 | 9.062  | 2492 | 2495 | 2497 | rBV3 | 392    | 273    | 0.03%  | 0.004%  |
| 57 | 9.130  | 2513 | 2516 | 2517 | rBV3 | 292    | 132    | 0.01%  | 0.002%  |
| 58 | 9.201  | 2536 | 2538 | 2541 | rBV  | 268    | 191    | 0.02%  | 0.003%  |
| 59 | 9.252  | 2551 | 2554 | 2556 | rBV2 | 387    | 222    | 0.02%  | 0.003%  |
| 60 | 9.474  | 2617 | 2623 | 2625 | rBV2 | 417    | 290    | 0.03%  | 0.004%  |
| 61 | 9.731  | 2700 | 2703 | 2706 | rBV2 | 316    | 249    | 0.03%  | 0.003%  |
| 62 | 9.770  | 2712 | 2715 | 2718 | rVB2 | 275    | 189    | 0.02%  | 0.003%  |
| 63 | 9.808  | 2722 | 2727 | 2729 | rBV  | 269    | 271    | 0.03%  | 0.004%  |
| 64 | 9.847  | 2736 | 2739 | 2741 | rBV  | 277    | 198    | 0.02%  | 0.003%  |
| 65 | 9.892  | 2750 | 2753 | 2756 | rVB  | 261    | 175    | 0.02%  | 0.002%  |
| 66 | 9.918  | 2758 | 2761 | 2763 | rBV2 | 368    | 199    | 0.02%  | 0.003%  |
| 67 | 9.959  | 2768 | 2774 | 2785 | rBV4 | 1691   | 3003   | 0.34%  | 0.041%  |
| 68 | 10.001 | 2785 | 2787 | 2790 | rBV3 | 601    | 387    | 0.04%  | 0.005%  |
| 69 | 10.040 | 2796 | 2799 | 2803 | rVB4 | 752    | 479    | 0.05%  | 0.007%  |
| 70 | 10.152 | 2823 | 2834 | 2858 | rVB  | 283644 | 443876 | 49.74% | 6.030%  |
| 71 | 10.304 | 2878 | 2881 | 2883 | rBV3 | 682    | 497    | 0.06%  | 0.007%  |
| 72 | 10.329 | 2883 | 2889 | 2894 | rVV4 | 2534   | 3336   | 0.37%  | 0.045%  |
| 73 | 10.477 | 2933 | 2935 | 2939 | rBV3 | 291    | 227    | 0.03%  | 0.003%  |
| 74 | 10.603 | 2971 | 2974 | 2976 | rBV  | 257    | 179    | 0.02%  | 0.002%  |
| 75 | 10.702 | 3004 | 3005 | 3008 | rVB  | 246    | 124    | 0.01%  | 0.002%  |
| 76 | 10.783 | 3027 | 3030 | 3033 | rVB2 | 297    | 169    | 0.02%  | 0.002%  |

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Instrument :  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 77  | 10.799 | 3033 | 3035 | 3041 | rBV2 | 437    | 376    | 0.04%  | 0.005%  |
| 78  | 11.043 | 3109 | 3111 | 3114 | rVB2 | 261    | 131    | 0.01%  | 0.002%  |
| 79  | 11.188 | 3144 | 3156 | 3178 | rBV  | 486998 | 770716 | 86.37% | 10.470% |
| 80  | 11.506 | 3253 | 3255 | 3260 | rVB2 | 441    | 179    | 0.02%  | 0.002%  |
| 81  | 11.561 | 3260 | 3272 | 3295 | rBV  | 501175 | 780167 | 87.42% | 10.599% |
| 82  | 11.792 | 3342 | 3344 | 3348 | rVB2 | 544    | 281    | 0.03%  | 0.004%  |
| 83  | 12.001 | 3406 | 3409 | 3413 | rBV2 | 234    | 212    | 0.02%  | 0.003%  |
| 84  | 12.049 | 3422 | 3424 | 3427 | rVB  | 317    | 147    | 0.02%  | 0.002%  |
| 85  | 12.480 | 3555 | 3558 | 3563 | rBV2 | 317    | 371    | 0.04%  | 0.005%  |
| 86  | 12.574 | 3584 | 3587 | 3590 | rBV2 | 285    | 174    | 0.02%  | 0.002%  |
| 87  | 12.866 | 3674 | 3678 | 3681 | rBV3 | 370    | 335    | 0.04%  | 0.005%  |
| 88  | 12.950 | 3703 | 3704 | 3711 | rBV2 | 306    | 340    | 0.04%  | 0.005%  |
| 89  | 13.053 | 3731 | 3736 | 3743 | rVB2 | 508    | 567    | 0.06%  | 0.008%  |
| 90  | 13.152 | 3764 | 3767 | 3769 | rBV3 | 328    | 219    | 0.02%  | 0.003%  |
| 91  | 13.207 | 3782 | 3784 | 3785 | rBV2 | 504    | 162    | 0.02%  | 0.002%  |
| 92  | 13.435 | 3853 | 3855 | 3856 | rBV  | 550    | 238    | 0.03%  | 0.003%  |
| 93  | 13.496 | 3872 | 3874 | 3876 | rBV2 | 294    | 138    | 0.02%  | 0.002%  |
| 94  | 13.811 | 3969 | 3972 | 3975 | rBV  | 735    | 451    | 0.05%  | 0.006%  |
| 95  | 13.847 | 3982 | 3983 | 3987 | rBV2 | 279    | 181    | 0.02%  | 0.002%  |
| 96  | 14.358 | 4135 | 4142 | 4145 | rVB4 | 604    | 648    | 0.07%  | 0.009%  |
| 97  | 14.406 | 4155 | 4157 | 4159 | rBV2 | 560    | 288    | 0.03%  | 0.004%  |
| 98  | 14.432 | 4163 | 4165 | 4169 | rBV2 | 600    | 382    | 0.04%  | 0.005%  |
| 99  | 14.483 | 4178 | 4181 | 4184 | rBV3 | 635    | 465    | 0.05%  | 0.006%  |
| 100 | 14.718 | 4252 | 4254 | 4256 | rBV  | 408    | 154    | 0.02%  | 0.002%  |

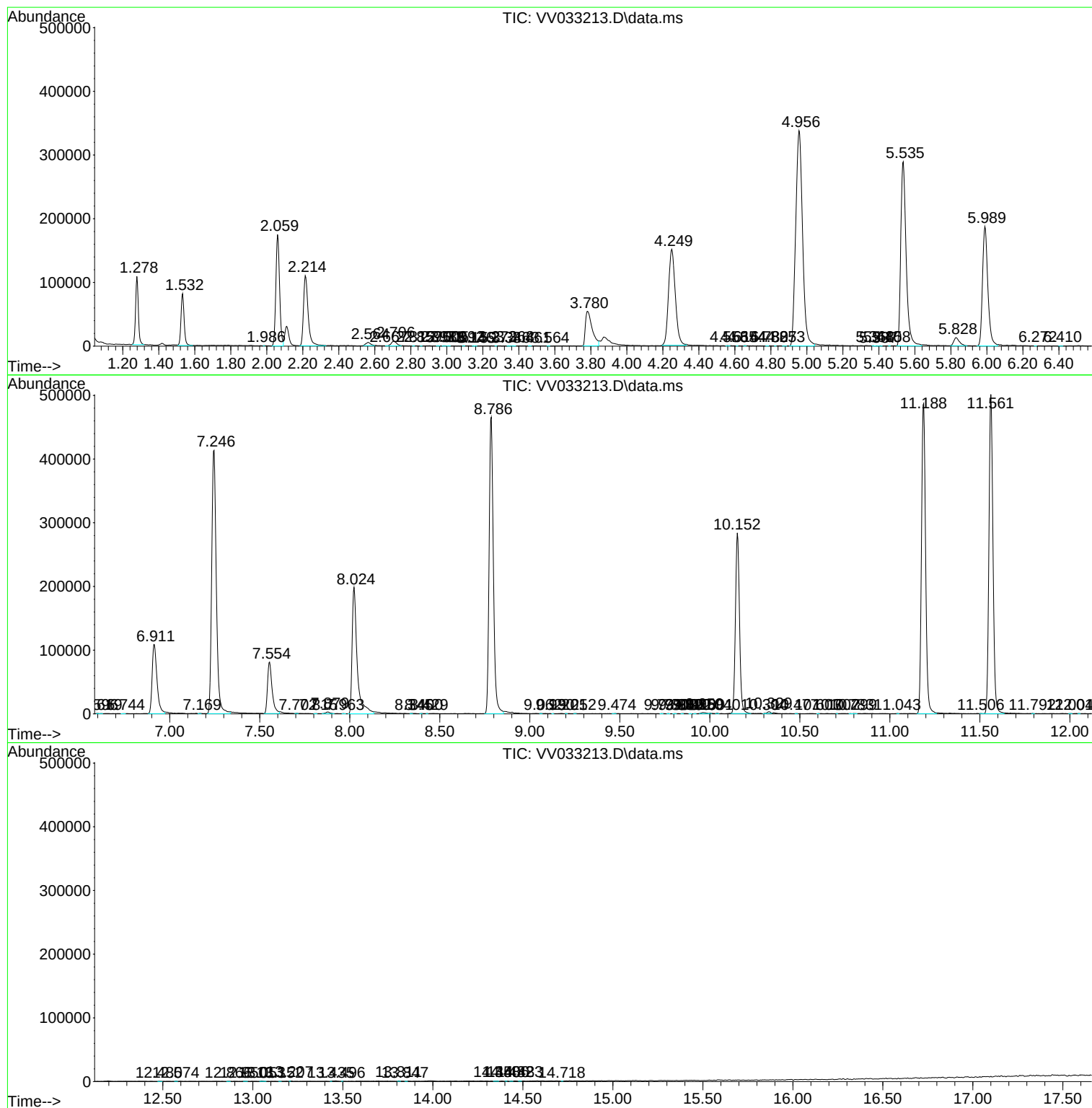
Sum of corrected areas: 7361009

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MSVOA\_V  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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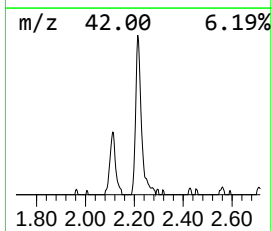
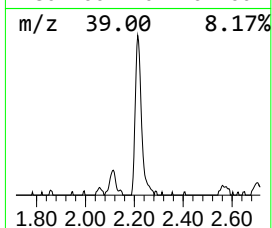
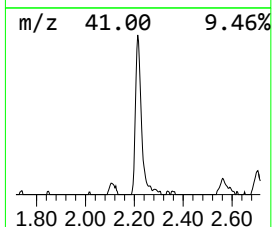
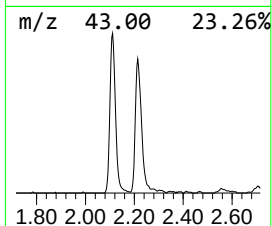
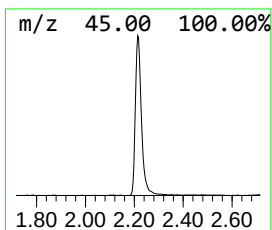
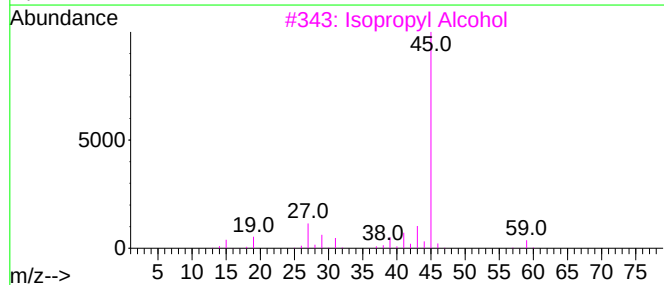
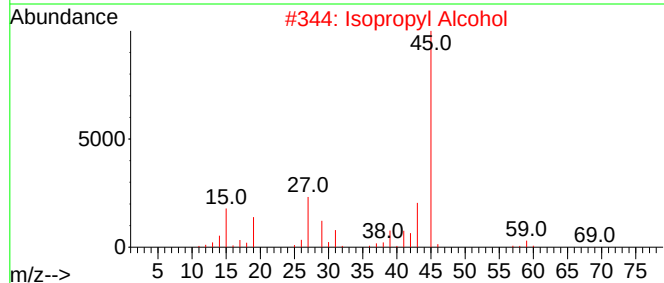
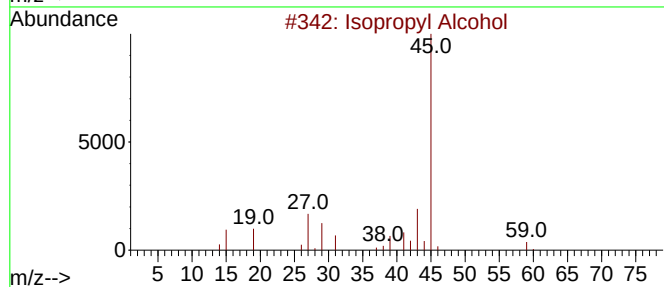
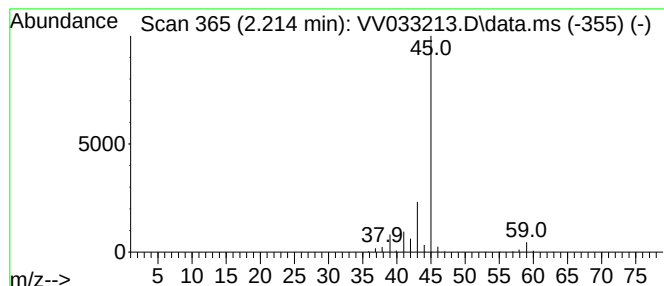
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 2.214 | 16.06 ug/L | 191738 | 1,4-Difluorobenzene | 5.535 |

| 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 | 64   |
| 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 | 2.214 | 16.1    | ug/L  | 191738   | 1                     | 5.535 | 596804 | 50.0 |