

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
 Data File : VV022121.D  
 Acq On : 08 Sep 2021 11:58  
 Operator : SY/MD  
 Sample : M3608-23  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM082721WMA.M  
 Title : VOC Analysis

Signal : TIC: VV022121.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         | 1.304       | 75            | 82          | 101          | rBV      | 182177         | 190409        | 14.39%          | 1.955%        |
| 2         | 1.565       | 156           | 163         | 178          | rVB      | 149484         | 175068        | 13.23%          | 1.798%        |
| 3         | 2.102       | 320           | 330         | 343          | rBV      | 320350         | 465973        | 35.22%          | 4.785%        |
| 4         | 2.507       | 447           | 456         | 471          | rVB2     | 6783           | 11941         | 0.90%           | 0.123%        |
| 5         | 2.613       | 486           | 489         | 492          | rBV2     | 215            | 156           | 0.01%           | 0.002%        |
| 6         | 2.925       | 584           | 586         | 590          | rBV2     | 199            | 164           | 0.01%           | 0.002%        |
| 7         | 3.143       | 651           | 654         | 655          | rBV      | 308            | 124           | 0.01%           | 0.001%        |
| 8         | 3.192       | 664           | 669         | 675          | rVB3     | 413            | 459           | 0.03%           | 0.005%        |
| 9         | 3.220       | 675           | 678         | 681          | rBV2     | 162            | 121           | 0.01%           | 0.001%        |
| 10        | 3.339       | 713           | 715         | 718          | rVB2     | 329            | 157           | 0.01%           | 0.002%        |
| 11        | 3.407       | 734           | 736         | 740          | rVB2     | 387            | 203           | 0.02%           | 0.002%        |
| 12        | 3.481       | 757           | 759         | 765          | rVB      | 324            | 236           | 0.02%           | 0.002%        |
| 13        | 3.519       | 765           | 771         | 774          | rBV2     | 274            | 244           | 0.02%           | 0.003%        |
| 14        | 3.545       | 777           | 779         | 782          | rVB      | 394            | 171           | 0.01%           | 0.002%        |
| 15        | 3.613       | 798           | 800         | 803          | rVB2     | 231            | 157           | 0.01%           | 0.002%        |
| 16        | 3.732       | 834           | 837         | 839          | rVB2     | 345            | 166           | 0.01%           | 0.002%        |
| 17        | 3.799       | 855           | 858         | 860          | rBV      | 167            | 119           | 0.01%           | 0.001%        |
| 18        | 3.899       | 878           | 889         | 934          | rBV      | 79812          | 293889        | 22.21%          | 3.018%        |
| 19        | 4.346       | 1013          | 1028        | 1058         | rBV      | 206020         | 509957        | 38.55%          | 5.236%        |
| 20        | 4.664       | 1125          | 1127        | 1130         | rBV2     | 304            | 142           | 0.01%           | 0.001%        |
| 21        | 4.748       | 1151          | 1153        | 1157         | rVB3     | 410            | 143           | 0.01%           | 0.001%        |
| 22        | 4.799       | 1165          | 1169        | 1171         | rBV3     | 309            | 207           | 0.02%           | 0.002%        |
| 23        | 4.892       | 1195          | 1198        | 1200         | rBV      | 266            | 132           | 0.01%           | 0.001%        |
| 24        | 5.047       | 1228          | 1246        | 1271         | rBV2     | 521303         | 1322980       | 100.00%         | 13.584%       |
| 25        | 5.253       | 1306          | 1310        | 1315         | rBV3     | 459            | 525           | 0.04%           | 0.005%        |
| 26        | 5.397       | 1350          | 1355        | 1356         | rBV2     | 220            | 167           | 0.01%           | 0.002%        |
| 27        | 5.417       | 1358          | 1361        | 1364         | rVB2     | 520            | 285           | 0.02%           | 0.003%        |
| 28        | 5.519       | 1389          | 1393        | 1397         | rBV2     | 251            | 224           | 0.02%           | 0.002%        |
| 29        | 5.616       | 1408          | 1423        | 1450         | rBV      | 365801         | 738028        | 55.79%          | 7.578%        |
| 30        | 5.838       | 1489          | 1492        | 1493         | rBV      | 241            | 120           | 0.01%           | 0.001%        |
| 31        | 5.844       | 1493          | 1494        | 1497         | rVV2     | 382            | 185           | 0.01%           | 0.002%        |
| 32        | 5.908       | 1502          | 1514        | 1528         | rBV3     | 22237          | 47744         | 3.61%           | 0.490%        |
| 33        | 6.069       | 1550          | 1564        | 1592         | rBV      | 283807         | 590743        | 44.65%          | 6.066%        |
| 34        | 6.301       | 1634          | 1636        | 1640         | rVB2     | 462            | 205           | 0.02%           | 0.002%        |
| 35        | 6.339       | 1646          | 1648        | 1650         | rBV      | 282            | 161           | 0.01%           | 0.002%        |
| 36        | 6.375       | 1654          | 1659        | 1661         | rVV2     | 277            | 183           | 0.01%           | 0.002%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
 Data File : VV022121.D  
 Acq On : 08 Sep 2021 11:58  
 Operator : SY/MD  
 Sample : M3608-23  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM082721WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 6.388  | 1661 | 1663 | 1666 | rVV  | 225    | 124     | 0.01%  | 0.001%  |
| 38 | 6.513  | 1700 | 1702 | 1705 | rBV2 | 271    | 128     | 0.01%  | 0.001%  |
| 39 | 6.574  | 1718 | 1721 | 1724 | rVB3 | 338    | 218     | 0.02%  | 0.002%  |
| 40 | 6.603  | 1727 | 1730 | 1733 | rBV2 | 297    | 266     | 0.02%  | 0.003%  |
| 41 | 6.648  | 1742 | 1744 | 1747 | rVB3 | 421    | 215     | 0.02%  | 0.002%  |
| 42 | 6.693  | 1754 | 1758 | 1761 | rBV  | 335    | 156     | 0.01%  | 0.002%  |
| 43 | 6.748  | 1772 | 1775 | 1778 | rBV3 | 349    | 236     | 0.02%  | 0.002%  |
| 44 | 6.789  | 1785 | 1788 | 1789 | rBV2 | 253    | 132     | 0.01%  | 0.001%  |
| 45 | 6.851  | 1804 | 1807 | 1809 | rBV  | 186    | 119     | 0.01%  | 0.001%  |
| 46 | 6.915  | 1817 | 1827 | 1833 | rBV3 | 333    | 464     | 0.04%  | 0.005%  |
| 47 | 6.941  | 1833 | 1835 | 1838 | rBV  | 210    | 124     | 0.01%  | 0.001%  |
| 48 | 6.986  | 1838 | 1849 | 1875 | rBV  | 153548 | 282672  | 21.37% | 2.903%  |
| 49 | 7.188  | 1908 | 1912 | 1914 | rBV2 | 542    | 362     | 0.03%  | 0.004%  |
| 50 | 7.317  | 1939 | 1952 | 1970 | rBV  | 622522 | 1072988 | 81.10% | 11.018% |
| 51 | 7.622  | 2038 | 2047 | 2065 | rBV  | 103914 | 180729  | 13.66% | 1.856%  |
| 52 | 7.947  | 2143 | 2148 | 2151 | rBV2 | 239    | 164     | 0.01%  | 0.002%  |
| 53 | 8.092  | 2183 | 2193 | 2235 | rBV  | 309478 | 612369  | 46.29% | 6.288%  |
| 54 | 8.539  | 2329 | 2332 | 2335 | rBV2 | 420    | 374     | 0.03%  | 0.004%  |
| 55 | 8.580  | 2342 | 2345 | 2351 | rBV2 | 392    | 338     | 0.03%  | 0.003%  |
| 56 | 8.641  | 2362 | 2364 | 2367 | rBV  | 378    | 201     | 0.02%  | 0.002%  |
| 57 | 8.683  | 2375 | 2377 | 2382 | rBV2 | 422    | 291     | 0.02%  | 0.003%  |
| 58 | 8.719  | 2385 | 2388 | 2395 | rVB4 | 418    | 526     | 0.04%  | 0.005%  |
| 59 | 8.754  | 2397 | 2399 | 2402 | rVV2 | 356    | 207     | 0.02%  | 0.002%  |
| 60 | 8.770  | 2402 | 2404 | 2406 | rVB  | 275    | 133     | 0.01%  | 0.001%  |
| 61 | 8.854  | 2418 | 2430 | 2462 | rBV  | 544599 | 881603  | 66.64% | 9.052%  |
| 62 | 9.127  | 2512 | 2515 | 2516 | rBV  | 285    | 150     | 0.01%  | 0.002%  |
| 63 | 9.198  | 2533 | 2537 | 2540 | rBV3 | 351    | 265     | 0.02%  | 0.003%  |
| 64 | 9.391  | 2594 | 2597 | 2599 | rBV  | 310    | 151     | 0.01%  | 0.002%  |
| 65 | 9.452  | 2613 | 2616 | 2619 | rBV  | 357    | 227     | 0.02%  | 0.002%  |
| 66 | 9.783  | 2714 | 2719 | 2722 | rBV2 | 490    | 384     | 0.03%  | 0.004%  |
| 67 | 9.895  | 2748 | 2754 | 2757 | rBV2 | 383    | 353     | 0.03%  | 0.004%  |
| 68 | 9.960  | 2772 | 2774 | 2778 | rVB  | 279    | 151     | 0.01%  | 0.002%  |
| 69 | 9.979  | 2778 | 2780 | 2785 | rBV2 | 254    | 247     | 0.02%  | 0.003%  |
| 70 | 10.079 | 2808 | 2811 | 2812 | rBV  | 220    | 129     | 0.01%  | 0.001%  |
| 71 | 10.130 | 2818 | 2827 | 2834 | rBV6 | 3611   | 5944    | 0.45%  | 0.061%  |
| 72 | 10.217 | 2842 | 2854 | 2874 | rBV  | 377993 | 587184  | 44.38% | 6.029%  |
| 73 | 10.381 | 2903 | 2905 | 2907 | rBV3 | 296    | 125     | 0.01%  | 0.001%  |
| 74 | 10.423 | 2917 | 2918 | 2921 | rVB  | 369    | 140     | 0.01%  | 0.001%  |
| 75 | 10.452 | 2923 | 2927 | 2929 | rBV2 | 390    | 317     | 0.02%  | 0.003%  |
| 76 | 10.635 | 2981 | 2984 | 2988 | rVB4 | 471    | 374     | 0.03%  | 0.004%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
 Data File : VV022121.D  
 Acq On : 08 Sep 2021 11:58  
 Operator : SY/MD  
 Sample : M3608-23  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

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\SFAMVLM082721WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.731 | 3010 | 3014 | 3017 | rVB  | 268    | 179    | 0.01%  | 0.002% |
| 78  | 10.754 | 3017 | 3021 | 3022 | rBV3 | 396    | 252    | 0.02%  | 0.003% |
| 79  | 10.883 | 3057 | 3061 | 3063 | rBV3 | 526    | 371    | 0.03%  | 0.004% |
| 80  | 10.918 | 3063 | 3072 | 3086 | rVB4 | 2998   | 5006   | 0.38%  | 0.051% |
| 81  | 11.008 | 3097 | 3100 | 3104 | rBV2 | 251    | 158    | 0.01%  | 0.002% |
| 82  | 11.040 | 3104 | 3110 | 3118 | rVB4 | 524    | 756    | 0.06%  | 0.008% |
| 83  | 11.082 | 3121 | 3123 | 3127 | rBV2 | 220    | 141    | 0.01%  | 0.001% |
| 84  | 11.117 | 3131 | 3134 | 3137 | rVB3 | 308    | 217    | 0.02%  | 0.002% |
| 85  | 11.149 | 3137 | 3144 | 3152 | rBV5 | 1467   | 2494   | 0.19%  | 0.026% |
| 86  | 11.191 | 3152 | 3157 | 3161 | rBV4 | 473    | 491    | 0.04%  | 0.005% |
| 87  | 11.249 | 3164 | 3175 | 3192 | rBV  | 529587 | 817981 | 61.83% | 8.399% |
| 88  | 11.526 | 3259 | 3261 | 3267 | rBV3 | 391    | 320    | 0.02%  | 0.003% |
| 89  | 11.555 | 3267 | 3270 | 3272 | rBV2 | 337    | 174    | 0.01%  | 0.002% |
| 90  | 11.625 | 3280 | 3292 | 3312 | rBV  | 588650 | 924173 | 69.86% | 9.489% |
| 91  | 11.786 | 3338 | 3342 | 3344 | rBV4 | 952    | 783    | 0.06%  | 0.008% |
| 92  | 11.960 | 3393 | 3396 | 3397 | rBV  | 219    | 134    | 0.01%  | 0.001% |
| 93  | 12.091 | 3434 | 3437 | 3438 | rBV  | 543    | 313    | 0.02%  | 0.003% |
| 94  | 12.136 | 3449 | 3451 | 3453 | rBV2 | 365    | 186    | 0.01%  | 0.002% |
| 95  | 12.300 | 3501 | 3502 | 3505 | rVB  | 417    | 177    | 0.01%  | 0.002% |
| 96  | 12.317 | 3505 | 3507 | 3509 | rBV  | 398    | 284    | 0.02%  | 0.003% |
| 97  | 12.519 | 3567 | 3570 | 3571 | rBV2 | 348    | 205    | 0.02%  | 0.002% |
| 98  | 12.773 | 3645 | 3649 | 3652 | rBV2 | 283    | 194    | 0.01%  | 0.002% |
| 99  | 13.355 | 3825 | 3830 | 3831 | rBV  | 420    | 231    | 0.02%  | 0.002% |
| 100 | 13.497 | 3867 | 3874 | 3875 | rBV2 | 471    | 513    | 0.04%  | 0.005% |

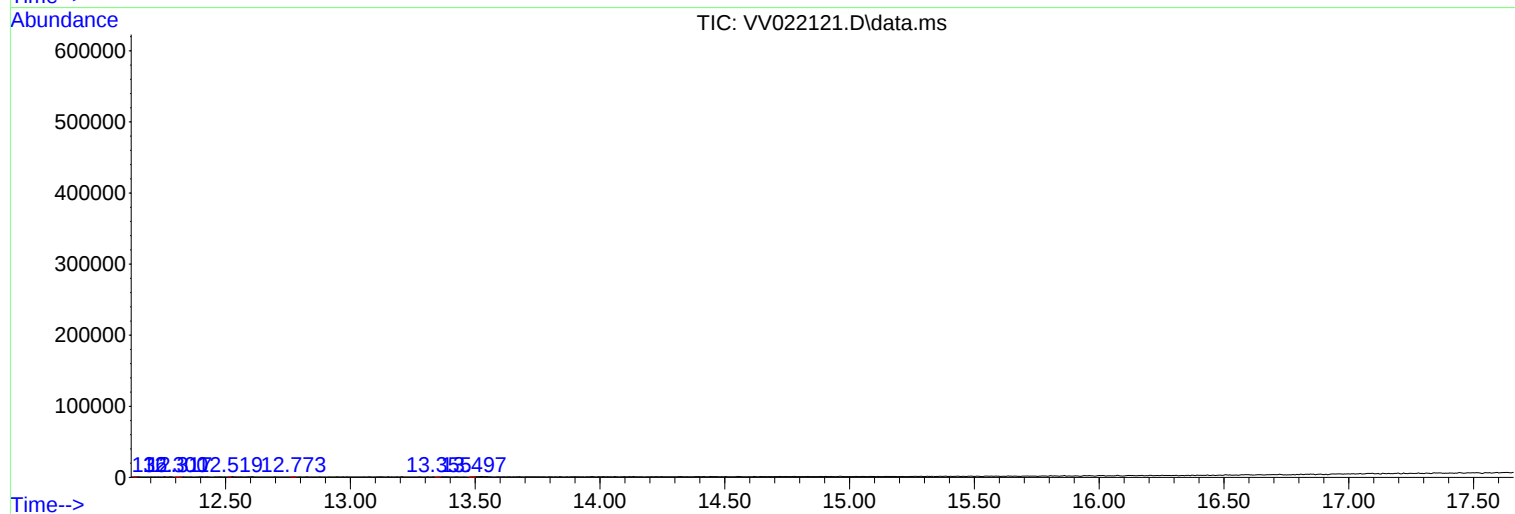
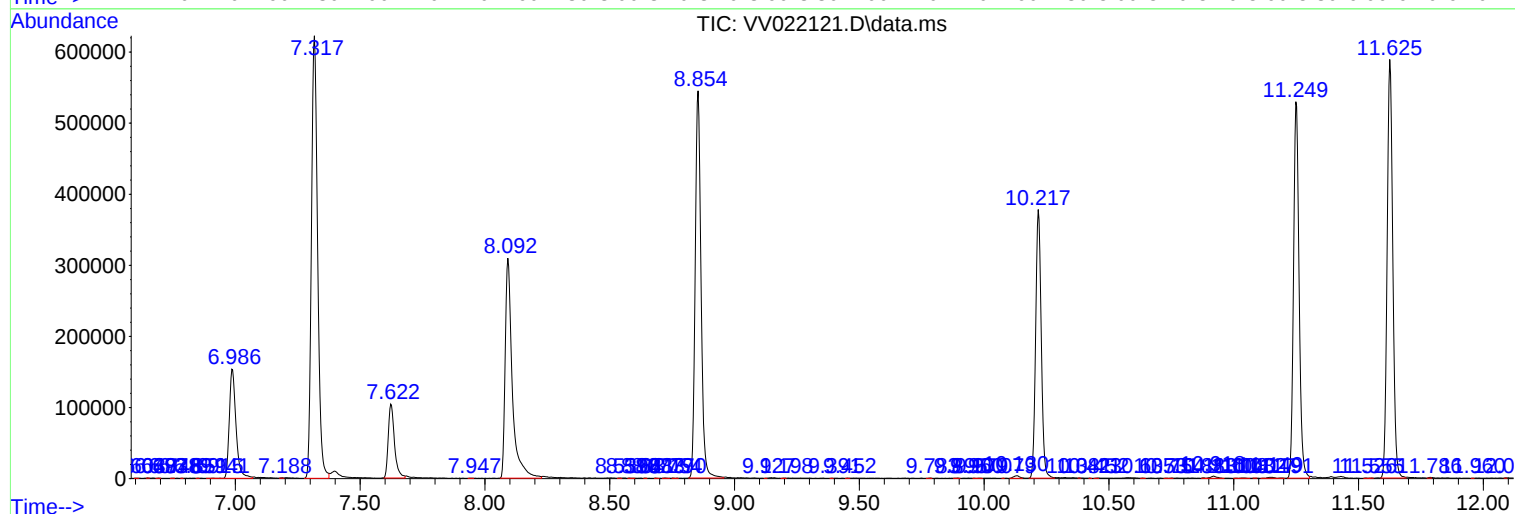
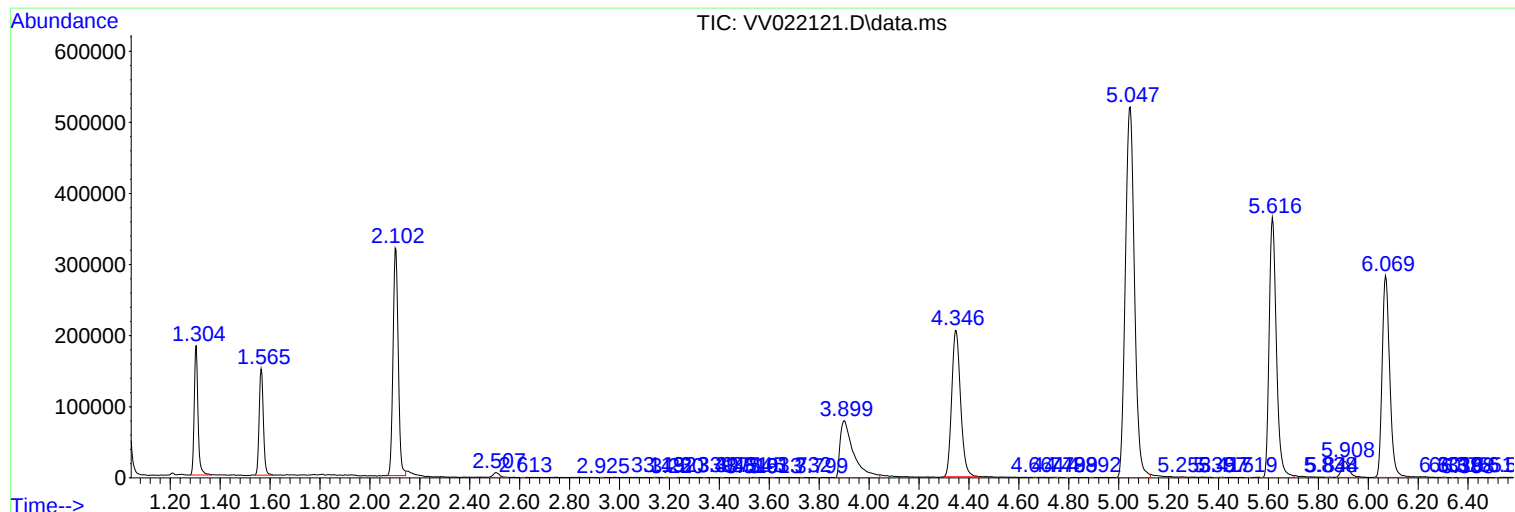
Sum of corrected areas: 9738901

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
Data File : VV022121.D  
Acq On : 08 Sep 2021 11:58  
Operator : SY/MD  
Sample : M3608-23  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
Data File : VV022121.D  
Acq On : 08 Sep 2021 11:58  
Operator : SY/MD  
Sample : M3608-23  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

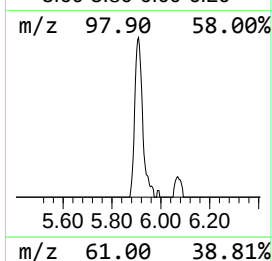
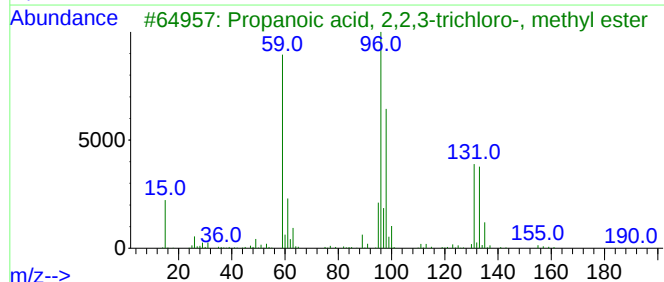
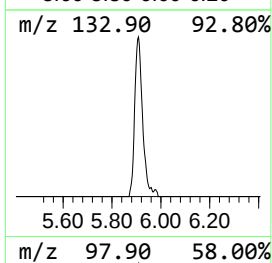
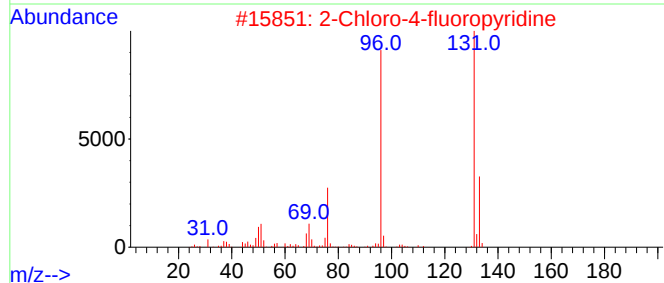
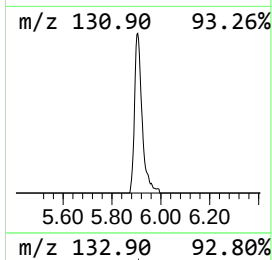
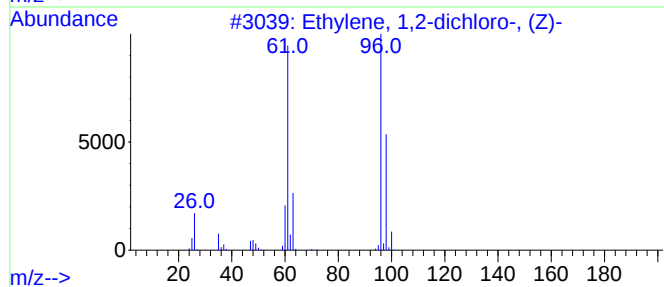
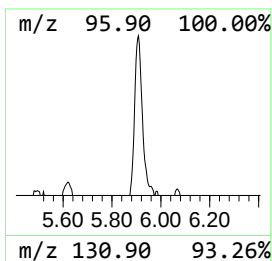
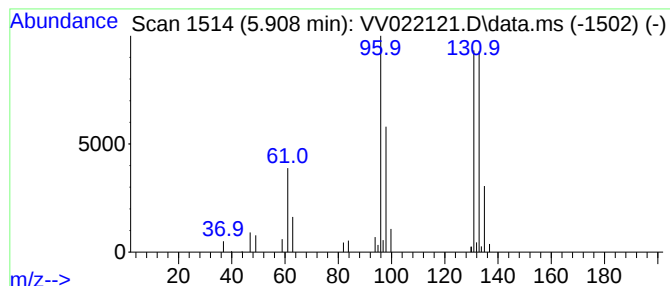
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.908 | 3.23 ug/L | 47744 | 1,4-Difluorobenzene | 5.616 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 38   |
| 2    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 38   |
| 3    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 37   |
| 4    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7  | 27   |
| 5    |    |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090821\  
Data File : VV022121.D  
Acq On : 08 Sep 2021 11:58  
Operator : SY/MD  
Sample : M3608-23  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 5.908 | 3.2     | ug/L  | 47744    | 1                     | 5.616 | 738028 | 50.0 |