

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
 Data File : VV021749.D  
 Acq On : 06 Aug 2021 11:58  
 Operator : SY/MD  
 Sample : M3288-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGB00

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\SFAMVLM080221WMA.M

Title : VOC Analysis

Signal : TIC: VV021749.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         | 1.307       | 77            | 83          | 98           | rVB      | 160093         | 161769        | 11.20%          | 1.469%        |
| 2         | 1.565       | 156           | 163         | 177          | rVB      | 147903         | 167168        | 11.57%          | 1.518%        |
| 3         | 2.108       | 322           | 332         | 346          | rBV      | 267951         | 396781        | 27.47%          | 3.604%        |
| 4         | 2.500       | 451           | 454         | 455          | rBV2     | 1088           | 620           | 0.04%           | 0.006%        |
| 5         | 2.619       | 488           | 491         | 493          | rBV      | 317            | 168           | 0.01%           | 0.002%        |
| 6         | 2.857       | 561           | 565         | 570          | rVB2     | 434            | 349           | 0.02%           | 0.003%        |
| 7         | 2.889       | 571           | 575         | 578          | rBV2     | 369            | 294           | 0.02%           | 0.003%        |
| 8         | 2.995       | 606           | 608         | 611          | rBV      | 466            | 245           | 0.02%           | 0.002%        |
| 9         | 3.066       | 628           | 630         | 636          | rVB2     | 283            | 183           | 0.01%           | 0.002%        |
| 10        | 3.240       | 681           | 684         | 686          | rVV      | 361            | 205           | 0.01%           | 0.002%        |
| 11        | 3.265       | 690           | 692         | 696          | rVB      | 309            | 199           | 0.01%           | 0.002%        |
| 12        | 3.333       | 709           | 713         | 715          | rBV2     | 384            | 222           | 0.02%           | 0.002%        |
| 13        | 3.346       | 715           | 717         | 720          | rVB3     | 307            | 149           | 0.01%           | 0.001%        |
| 14        | 3.407       | 730           | 736         | 737          | rBV2     | 304            | 234           | 0.02%           | 0.002%        |
| 15        | 3.523       | 766           | 772         | 776          | rVB3     | 302            | 343           | 0.02%           | 0.003%        |
| 16        | 3.571       | 782           | 787         | 792          | rBV2     | 353            | 264           | 0.02%           | 0.002%        |
| 17        | 3.654       | 808           | 813         | 817          | rBV3     | 334            | 305           | 0.02%           | 0.003%        |
| 18        | 3.719       | 830           | 833         | 835          | rVV      | 270            | 162           | 0.01%           | 0.001%        |
| 19        | 3.876       | 872           | 882         | 916          | rBV      | 122429         | 340948        | 23.60%          | 3.096%        |
| 20        | 4.352       | 1014          | 1030        | 1063         | rBV      | 226704         | 572010        | 39.60%          | 5.195%        |
| 21        | 4.561       | 1092          | 1095        | 1096         | rBV      | 339            | 155           | 0.01%           | 0.001%        |
| 22        | 4.638       | 1117          | 1119        | 1120         | rBV2     | 382            | 152           | 0.01%           | 0.001%        |
| 23        | 4.741       | 1148          | 1151        | 1155         | rVB      | 253            | 223           | 0.02%           | 0.002%        |
| 24        | 4.757       | 1155          | 1156        | 1161         | rVB2     | 421            | 237           | 0.02%           | 0.002%        |
| 25        | 4.783       | 1161          | 1164        | 1167         | rBV3     | 442            | 278           | 0.02%           | 0.003%        |
| 26        | 4.799       | 1167          | 1169        | 1174         | rVV3     | 306            | 246           | 0.02%           | 0.002%        |
| 27        | 4.867       | 1186          | 1190        | 1191         | rBV2     | 253            | 175           | 0.01%           | 0.002%        |
| 28        | 4.889       | 1195          | 1197        | 1201         | rBV2     | 262            | 201           | 0.01%           | 0.002%        |
| 29        | 4.915       | 1201          | 1205        | 1209         | rVB4     | 397            | 370           | 0.03%           | 0.003%        |
| 30        | 4.941       | 1209          | 1213        | 1218         | rBV2     | 264            | 190           | 0.01%           | 0.002%        |
| 31        | 5.050       | 1229          | 1247        | 1278         | rBV2     | 560905         | 1444613       | 100.00%         | 13.120%       |
| 32        | 5.394       | 1351          | 1354        | 1357         | rBV5     | 804            | 472           | 0.03%           | 0.004%        |
| 33        | 5.413       | 1357          | 1360        | 1367         | rVV3     | 645            | 775           | 0.05%           | 0.007%        |
| 34        | 5.490       | 1382          | 1384        | 1389         | rVB4     | 347            | 223           | 0.02%           | 0.002%        |
| 35        | 5.535       | 1396          | 1398        | 1402         | rBV3     | 303            | 268           | 0.02%           | 0.002%        |
| 36        | 5.574       | 1406          | 1410        | 1412         | rBV3     | 243            | 189           | 0.01%           | 0.002%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
 Data File : VV021749.D  
 Acq On : 06 Aug 2021 11:58  
 Operator : SY/MD  
 Sample : M3288-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGB00

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\SFAMVLM080221WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 37 | 5.619 | 1412 | 1424 | 1460 | rBV  | 443872 | 903611  | 62.55% | 8.207%  |
| 38 | 5.908 | 1502 | 1514 | 1532 | rBV  | 43205  | 90875   | 6.29%  | 0.825%  |
| 39 | 6.072 | 1551 | 1565 | 1589 | rBV  | 325336 | 660855  | 45.75% | 6.002%  |
| 40 | 6.336 | 1645 | 1647 | 1651 | rBV3 | 376    | 298     | 0.02%  | 0.003%  |
| 41 | 6.449 | 1680 | 1682 | 1685 | rVB2 | 480    | 218     | 0.02%  | 0.002%  |
| 42 | 6.494 | 1694 | 1696 | 1699 | rVB2 | 335    | 158     | 0.01%  | 0.001%  |
| 43 | 6.523 | 1699 | 1705 | 1708 | rBV3 | 439    | 417     | 0.03%  | 0.004%  |
| 44 | 6.548 | 1711 | 1713 | 1717 | rVV2 | 299    | 167     | 0.01%  | 0.002%  |
| 45 | 6.648 | 1735 | 1744 | 1748 | rBV8 | 913    | 1459    | 0.10%  | 0.013%  |
| 46 | 6.715 | 1762 | 1765 | 1767 | rBV  | 338    | 216     | 0.01%  | 0.002%  |
| 47 | 6.908 | 1822 | 1825 | 1829 | rBV2 | 350    | 158     | 0.01%  | 0.001%  |
| 48 | 6.989 | 1837 | 1850 | 1875 | rBV  | 185028 | 341276  | 23.62% | 3.099%  |
| 49 | 7.320 | 1941 | 1953 | 1971 | rBV  | 678068 | 1178877 | 81.61% | 10.707% |
| 50 | 7.625 | 2035 | 2048 | 2072 | rBV  | 123963 | 221773  | 15.35% | 2.014%  |
| 51 | 7.812 | 2102 | 2106 | 2107 | rBV2 | 264    | 173     | 0.01%  | 0.002%  |
| 52 | 7.838 | 2113 | 2114 | 2117 | rBV3 | 279    | 155     | 0.01%  | 0.001%  |
| 53 | 7.863 | 2120 | 2122 | 2123 | rBV  | 384    | 175     | 0.01%  | 0.002%  |
| 54 | 7.905 | 2130 | 2135 | 2138 | rBV2 | 330    | 250     | 0.02%  | 0.002%  |
| 55 | 7.931 | 2138 | 2143 | 2145 | rBV2 | 440    | 379     | 0.03%  | 0.003%  |
| 56 | 7.985 | 2156 | 2160 | 2163 | rBV2 | 540    | 369     | 0.03%  | 0.003%  |
| 57 | 8.024 | 2170 | 2172 | 2175 | rBV  | 295    | 172     | 0.01%  | 0.002%  |
| 58 | 8.092 | 2183 | 2193 | 2225 | rBV2 | 369024 | 738249  | 51.10% | 6.705%  |
| 59 | 8.397 | 2286 | 2288 | 2293 | rBV3 | 408    | 322     | 0.02%  | 0.003%  |
| 60 | 8.471 | 2309 | 2311 | 2316 | rVB4 | 607    | 392     | 0.03%  | 0.004%  |
| 61 | 8.526 | 2320 | 2328 | 2330 | rBV2 | 345    | 413     | 0.03%  | 0.004%  |
| 62 | 8.542 | 2330 | 2333 | 2335 | rVB2 | 388    | 196     | 0.01%  | 0.002%  |
| 63 | 8.551 | 2335 | 2336 | 2338 | rBV  | 316    | 144     | 0.01%  | 0.001%  |
| 64 | 8.600 | 2347 | 2351 | 2354 | rBV4 | 403    | 260     | 0.02%  | 0.002%  |
| 65 | 8.625 | 2357 | 2359 | 2364 | rVB2 | 519    | 283     | 0.02%  | 0.003%  |
| 66 | 8.651 | 2364 | 2367 | 2370 | rBV  | 262    | 215     | 0.01%  | 0.002%  |
| 67 | 8.770 | 2401 | 2404 | 2407 | rBV2 | 453    | 295     | 0.02%  | 0.003%  |
| 68 | 8.786 | 2407 | 2409 | 2413 | rVB4 | 543    | 345     | 0.02%  | 0.003%  |
| 69 | 8.854 | 2418 | 2430 | 2461 | rBV  | 653044 | 1064374 | 73.68% | 9.667%  |
| 70 | 9.095 | 2502 | 2505 | 2507 | rBV  | 312    | 185     | 0.01%  | 0.002%  |
| 71 | 9.146 | 2518 | 2521 | 2522 | rBV2 | 746    | 425     | 0.03%  | 0.004%  |
| 72 | 9.275 | 2558 | 2561 | 2562 | rBV2 | 282    | 155     | 0.01%  | 0.001%  |
| 73 | 9.526 | 2636 | 2639 | 2641 | rBV2 | 435    | 212     | 0.01%  | 0.002%  |
| 74 | 9.593 | 2657 | 2660 | 2663 | rVB  | 351    | 198     | 0.01%  | 0.002%  |
| 75 | 9.625 | 2663 | 2670 | 2673 | rBV2 | 247    | 236     | 0.02%  | 0.002%  |
| 76 | 9.661 | 2677 | 2681 | 2683 | rBV2 | 205    | 155     | 0.01%  | 0.001%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
 Data File : VV021749.D  
 Acq On : 06 Aug 2021 11:58  
 Operator : SY/MD  
 Sample : M3288-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGB00

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\SFAMVLM080221WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 9.683  | 2686 | 2688 | 2691 | rVB2 | 545    | 272     | 0.02%  | 0.002% |
| 78  | 9.738  | 2703 | 2705 | 2710 | rVB  | 384    | 212     | 0.01%  | 0.002% |
| 79  | 9.937  | 2764 | 2767 | 2771 | rVB2 | 283    | 203     | 0.01%  | 0.002% |
| 80  | 9.989  | 2780 | 2783 | 2786 | rBV2 | 343    | 276     | 0.02%  | 0.003% |
| 81  | 10.133 | 2818 | 2828 | 2840 | rVB6 | 2705   | 5019    | 0.35%  | 0.046% |
| 82  | 10.217 | 2841 | 2854 | 2876 | rBV  | 400046 | 637547  | 44.13% | 5.790% |
| 83  | 10.358 | 2892 | 2898 | 2900 | rBV3 | 544    | 473     | 0.03%  | 0.004% |
| 84  | 10.381 | 2902 | 2905 | 2908 | rBV4 | 617    | 554     | 0.04%  | 0.005% |
| 85  | 10.455 | 2925 | 2928 | 2929 | rBV2 | 381    | 204     | 0.01%  | 0.002% |
| 86  | 10.545 | 2953 | 2956 | 2961 | rBV2 | 465    | 469     | 0.03%  | 0.004% |
| 87  | 10.577 | 2961 | 2966 | 2971 | rBV5 | 958    | 1142    | 0.08%  | 0.010% |
| 88  | 10.661 | 2990 | 2992 | 2995 | rBV2 | 404    | 251     | 0.02%  | 0.002% |
| 89  | 10.722 | 3009 | 3011 | 3016 | rBV2 | 243    | 240     | 0.02%  | 0.002% |
| 90  | 10.821 | 3040 | 3042 | 3043 | rBV2 | 371    | 162     | 0.01%  | 0.001% |
| 91  | 10.892 | 3061 | 3064 | 3065 | rBV2 | 313    | 150     | 0.01%  | 0.001% |
| 92  | 10.921 | 3066 | 3073 | 3085 | rVB7 | 2888   | 4997    | 0.35%  | 0.045% |
| 93  | 10.992 | 3093 | 3095 | 3099 | rVB  | 327    | 195     | 0.01%  | 0.002% |
| 94  | 11.037 | 3102 | 3109 | 3111 | rBV2 | 861    | 828     | 0.06%  | 0.008% |
| 95  | 11.143 | 3136 | 3142 | 3148 | rBV4 | 1469   | 1991    | 0.14%  | 0.018% |
| 96  | 11.252 | 3163 | 3176 | 3201 | rBV  | 648807 | 1005484 | 69.60% | 9.132% |
| 97  | 11.625 | 3280 | 3292 | 3315 | rBV  | 663504 | 1049025 | 72.62% | 9.527% |
| 98  | 12.079 | 3430 | 3433 | 3434 | rBV2 | 438    | 275     | 0.02%  | 0.002% |
| 99  | 12.281 | 3493 | 3496 | 3500 | rBV2 | 267    | 193     | 0.01%  | 0.002% |
| 100 | 12.757 | 3641 | 3644 | 3645 | rBV  | 356    | 174     | 0.01%  | 0.002% |

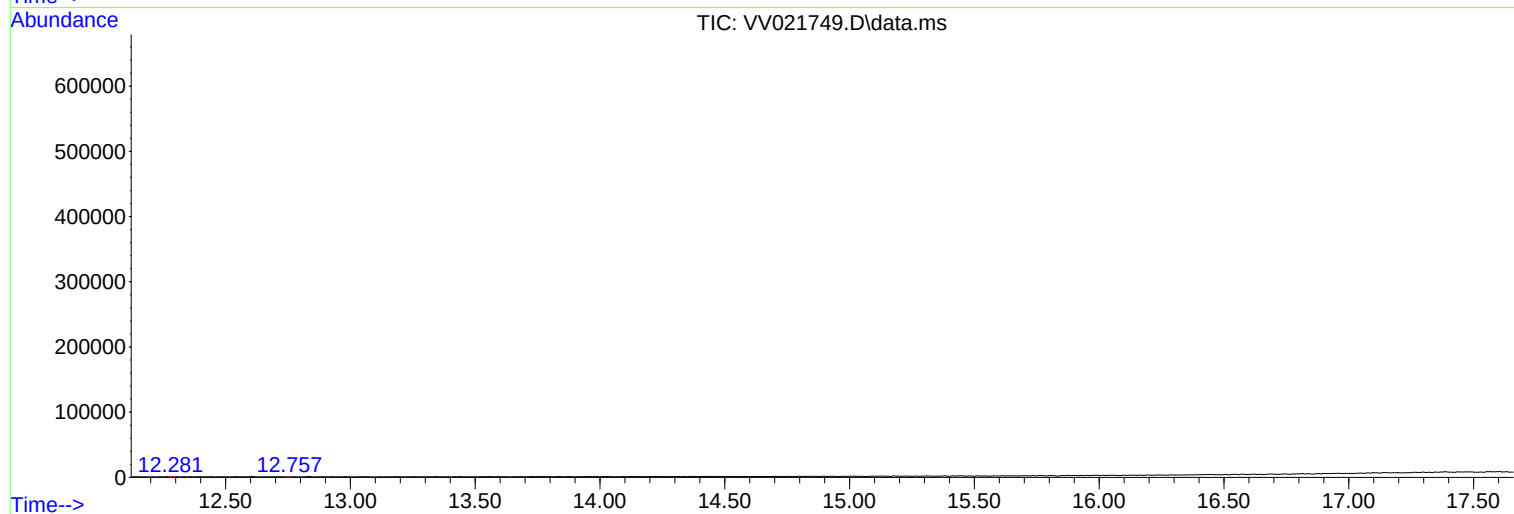
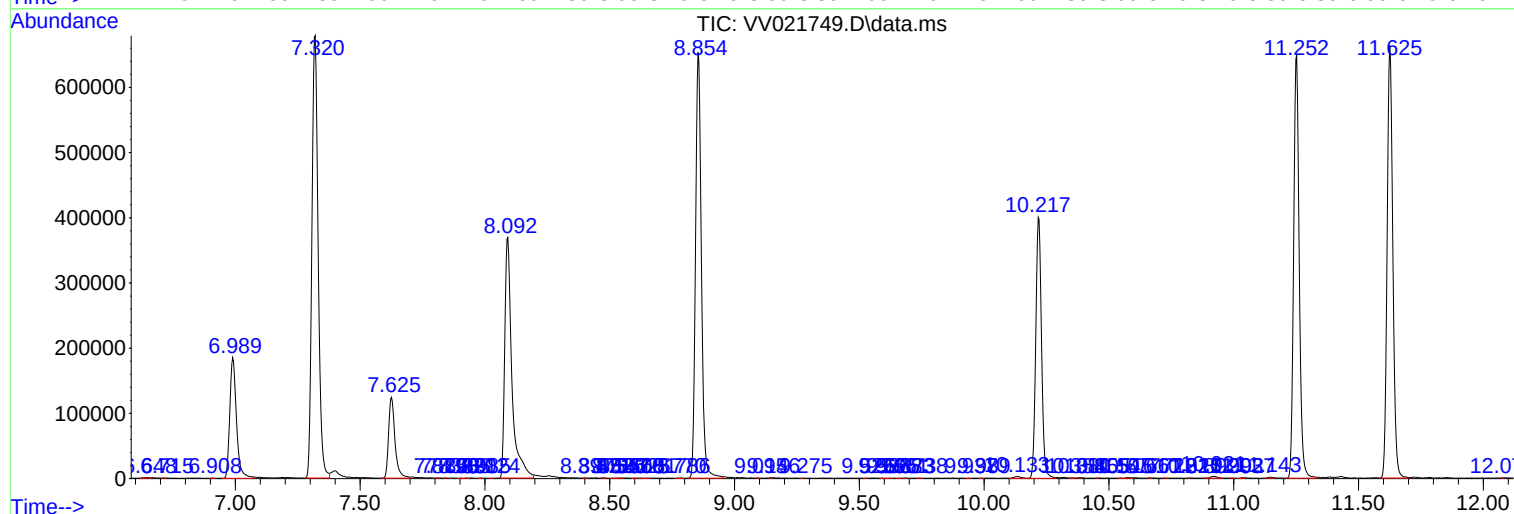
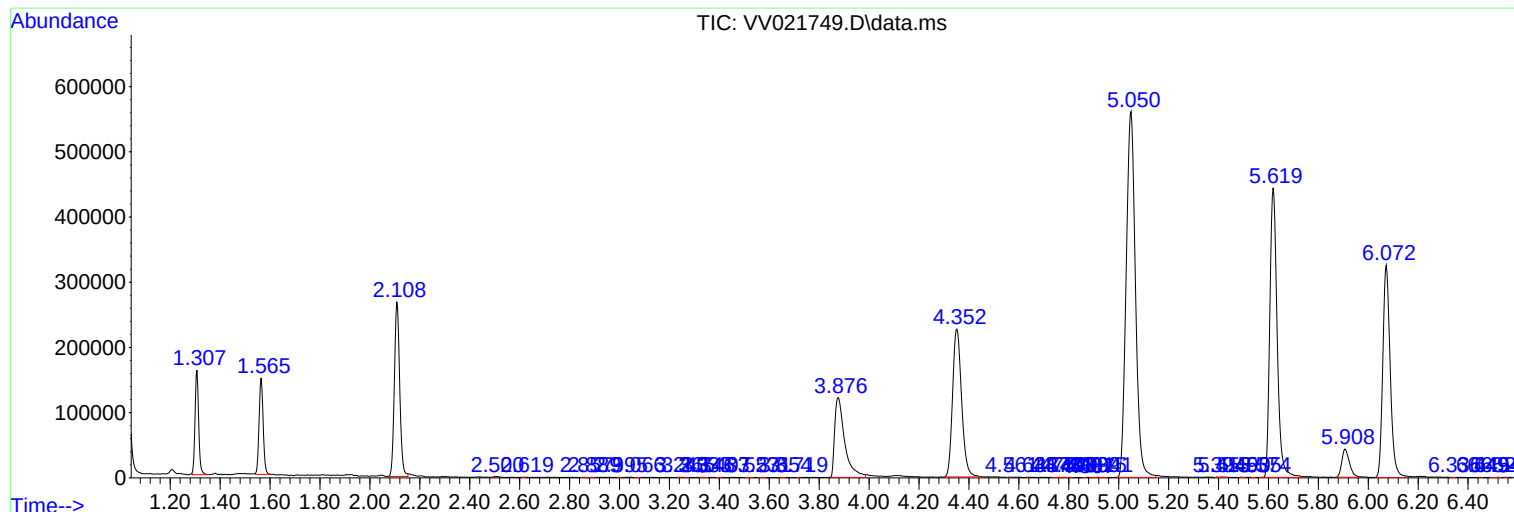
Sum of corrected areas: 11010806

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
Data File : VV021749.D  
Acq On : 06 Aug 2021 11:58  
Operator : SY/MD  
Sample : M3288-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
Data File : VV021749.D  
Acq On : 06 Aug 2021 11:58  
Operator : SY/MD  
Sample : M3288-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGB00

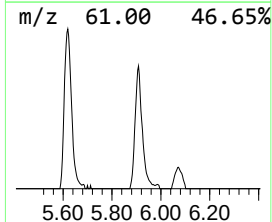
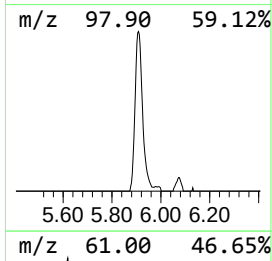
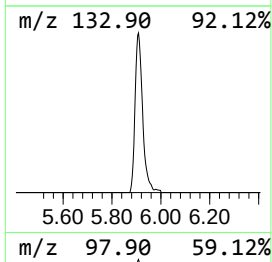
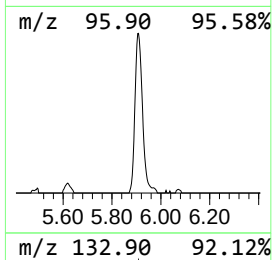
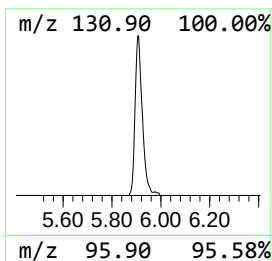
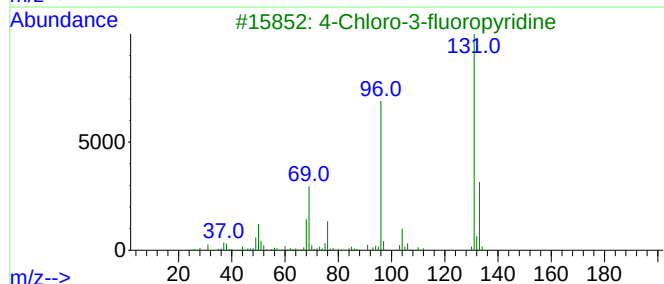
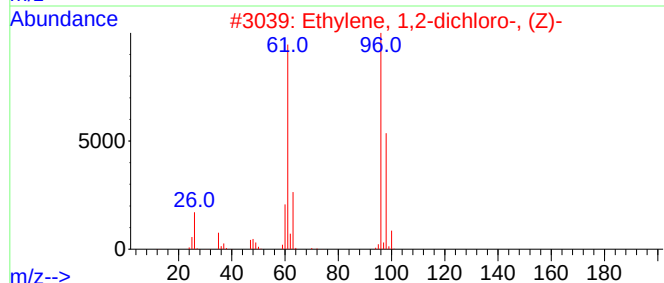
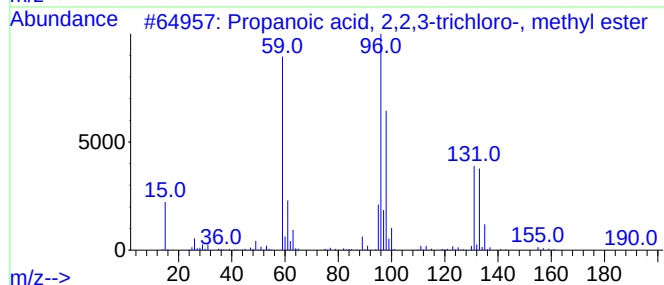
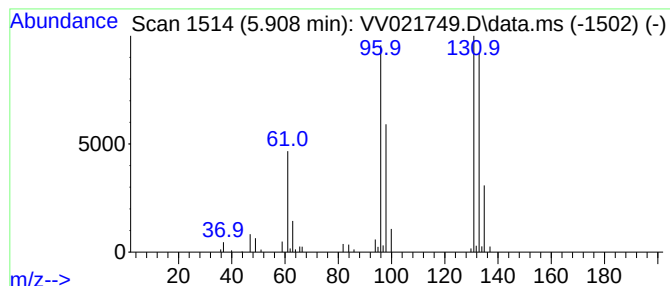
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.908 | 5.03 ug/L | 90875 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 56   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 35   |
| 3    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7  | 27   |
| 4    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6  | 23   |
| 5    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 23   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
Data File : VV021749.D  
Acq On : 06 Aug 2021 11:58  
Operator : SY/MD  
Sample : M3288-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGB00

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.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 |
| Propanoic acid,... | 5.908 | 5.0     | ug/L  | 90875    | 1                     | 5.619 | 903611 | 50.0 |