

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\  
 Data File : VY003703.D  
 Acq On : 09 Dec 2020 16:11  
 Operator : SY/MD  
 Sample : L4979-12  
 Misc : 6.42G/10ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GB1G2

## 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\_Y\METHODS\SOM2YLM120420S.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         | 2.077       | 40            | 42          | 49           | rVB      | 10938          | 12831         | 3.96%           | 0.578%        |
| 2         | 2.253       | 66            | 71          | 80           | rVB2     | 33014          | 53843         | 16.60%          | 2.427%        |
| 3         | 2.723       | 145           | 148         | 149          | rBV      | 487            | 542           | 0.17%           | 0.024%        |
| 4         | 2.772       | 150           | 156         | 166          | rVB      | 22119          | 44610         | 13.76%          | 2.011%        |
| 5         | 2.912       | 174           | 179         | 187          | rVB2     | 7159           | 15305         | 4.72%           | 0.690%        |
| 6         | 3.265       | 230           | 237         | 244          | rVB2     | 3713           | 7878          | 2.43%           | 0.355%        |
| 7         | 3.314       | 244           | 245         | 247          | rBV      | 292            | 277           | 0.09%           | 0.012%        |
| 8         | 3.387       | 255           | 257         | 264          | rVB3     | 704            | 1051          | 0.32%           | 0.047%        |
| 9         | 3.729       | 311           | 313         | 314          | rBV      | 282            | 242           | 0.07%           | 0.011%        |
| 10        | 3.863       | 324           | 335         | 347          | rBV      | 47224          | 129001        | 39.78%          | 5.815%        |
| 11        | 4.277       | 400           | 403         | 406          | rVB2     | 297            | 396           | 0.12%           | 0.018%        |
| 12        | 4.314       | 406           | 409         | 412          | rBV      | 492            | 508           | 0.16%           | 0.023%        |
| 13        | 4.393       | 420           | 422         | 424          | rVB      | 336            | 260           | 0.08%           | 0.012%        |
| 14        | 4.534       | 443           | 445         | 449          | rBV2     | 262            | 265           | 0.08%           | 0.012%        |
| 15        | 4.735       | 469           | 478         | 492          | rBV5     | 4194           | 16655         | 5.14%           | 0.751%        |
| 16        | 4.863       | 496           | 499         | 500          | rBV2     | 294            | 321           | 0.10%           | 0.014%        |
| 17        | 5.259       | 556           | 564         | 568          | rBV3     | 849            | 2331          | 0.72%           | 0.105%        |
| 18        | 5.466       | 596           | 598         | 599          | rVV2     | 301            | 226           | 0.07%           | 0.010%        |
| 19        | 5.558       | 608           | 613         | 616          | rBV3     | 260            | 507           | 0.16%           | 0.023%        |
| 20        | 5.759       | 637           | 646         | 648          | rBV5     | 2259           | 4276          | 1.32%           | 0.193%        |
| 21        | 5.887       | 663           | 667         | 670          | rBV2     | 314            | 568           | 0.18%           | 0.026%        |
| 22        | 6.423       | 752           | 755         | 757          | rBV2     | 353            | 463           | 0.14%           | 0.021%        |
| 23        | 6.490       | 764           | 766         | 767          | rBV      | 297            | 216           | 0.07%           | 0.010%        |
| 24        | 6.643       | 787           | 791         | 792          | rBV      | 237            | 298           | 0.09%           | 0.013%        |
| 25        | 6.692       | 797           | 799         | 800          | rBV      | 313            | 284           | 0.09%           | 0.013%        |
| 26        | 6.753       | 807           | 809         | 812          | rVB      | 297            | 301           | 0.09%           | 0.014%        |
| 27        | 6.808       | 812           | 818         | 825          | rBV5     | 1040           | 2918          | 0.90%           | 0.132%        |
| 28        | 6.899       | 825           | 833         | 844          | rVV2     | 11168          | 31795         | 9.80%           | 1.433%        |
| 29        | 7.088       | 857           | 864         | 870          | rVB3     | 1836           | 4135          | 1.28%           | 0.186%        |
| 30        | 7.368       | 905           | 910         | 914          | rBV2     | 708            | 1086          | 0.33%           | 0.049%        |
| 31        | 7.484       | 920           | 929         | 941          | rVB      | 52075          | 133673        | 41.22%          | 6.026%        |
| 32        | 7.771       | 971           | 976         | 977          | rBV      | 1611           | 1978          | 0.61%           | 0.089%        |
| 33        | 7.960       | 1005          | 1007        | 1009         | rVB      | 269            | 214           | 0.07%           | 0.010%        |
| 34        | 8.002       | 1009          | 1014        | 1021         | rBV4     | 1312           | 2831          | 0.87%           | 0.128%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\  
 Data File : VY003703.D  
 Acq On : 09 Dec 2020 16:11  
 Operator : SY/MD  
 Sample : L4979-12  
 Misc : 6.42G/10ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GB1G2

## 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\_Y\METHODS\SOM2YLM120420S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 8.124  | 1024 | 1034 | 1049 | rVB2 | 109010 | 324290 | 100.00% | 14.618% |
| 36 | 8.362  | 1071 | 1073 | 1076 | rBV2 | 356    | 279    | 0.09%   | 0.013%  |
| 37 | 8.417  | 1078 | 1082 | 1088 | rVB3 | 677    | 1387   | 0.43%   | 0.063%  |
| 38 | 8.551  | 1099 | 1104 | 1110 | rBV5 | 1912   | 4026   | 1.24%   | 0.181%  |
| 39 | 8.624  | 1113 | 1116 | 1117 | rBV  | 347    | 288    | 0.09%   | 0.013%  |
| 40 | 8.697  | 1120 | 1128 | 1137 | rVV  | 96725  | 189083 | 58.31%  | 8.523%  |
| 41 | 8.795  | 1141 | 1144 | 1146 | rBV  | 396    | 413    | 0.13%   | 0.019%  |
| 42 | 8.929  | 1160 | 1166 | 1173 | rVB4 | 3845   | 7067   | 2.18%   | 0.319%  |
| 43 | 8.984  | 1173 | 1175 | 1178 | rBV2 | 223    | 267    | 0.08%   | 0.012%  |
| 44 | 9.124  | 1190 | 1198 | 1207 | rBV  | 69320  | 140707 | 43.39%  | 6.343%  |
| 45 | 9.264  | 1219 | 1221 | 1225 | rBV2 | 233    | 425    | 0.13%   | 0.019%  |
| 46 | 9.374  | 1236 | 1239 | 1240 | rVB2 | 431    | 396    | 0.12%   | 0.018%  |
| 47 | 9.417  | 1243 | 1246 | 1247 | rBV  | 255    | 232    | 0.07%   | 0.010%  |
| 48 | 9.502  | 1258 | 1260 | 1261 | rBV  | 507    | 351    | 0.11%   | 0.016%  |
| 49 | 9.557  | 1267 | 1269 | 1272 | rBV3 | 211    | 224    | 0.07%   | 0.010%  |
| 50 | 9.636  | 1280 | 1282 | 1283 | rBV  | 341    | 239    | 0.07%   | 0.011%  |
| 51 | 9.655  | 1283 | 1285 | 1289 | rVB3 | 295    | 293    | 0.09%   | 0.013%  |
| 52 | 9.813  | 1309 | 1311 | 1316 | rBV3 | 610    | 941    | 0.29%   | 0.042%  |
| 53 | 9.892  | 1317 | 1324 | 1333 | rVB  | 39796  | 68169  | 21.02%  | 3.073%  |
| 54 | 9.953  | 1333 | 1334 | 1335 | rBV  | 539    | 292    | 0.09%   | 0.013%  |
| 55 | 10.020 | 1343 | 1345 | 1348 | rVB  | 256    | 225    | 0.07%   | 0.010%  |
| 56 | 10.185 | 1363 | 1372 | 1378 | rBV  | 145187 | 249583 | 76.96%  | 11.250% |
| 57 | 10.246 | 1378 | 1382 | 1388 | rVB2 | 12579  | 21399  | 6.60%   | 0.965%  |
| 58 | 10.362 | 1398 | 1401 | 1407 | rVB5 | 1640   | 3027   | 0.93%   | 0.136%  |
| 59 | 10.441 | 1407 | 1414 | 1419 | rBV  | 27433  | 45308  | 13.97%  | 2.042%  |
| 60 | 10.478 | 1419 | 1420 | 1422 | rVB  | 533    | 366    | 0.11%   | 0.016%  |
| 61 | 10.520 | 1422 | 1427 | 1432 | rBV3 | 1002   | 1650   | 0.51%   | 0.074%  |
| 62 | 10.569 | 1432 | 1435 | 1437 | rBV2 | 530    | 600    | 0.19%   | 0.027%  |
| 63 | 10.789 | 1465 | 1471 | 1479 | rBV2 | 42925  | 71488  | 22.04%  | 3.222%  |
| 64 | 10.892 | 1486 | 1488 | 1491 | rBV  | 340    | 484    | 0.15%   | 0.022%  |
| 65 | 10.935 | 1493 | 1495 | 1499 | rVB4 | 966    | 1161   | 0.36%   | 0.052%  |
| 66 | 11.038 | 1508 | 1512 | 1515 | rVB3 | 915    | 1238   | 0.38%   | 0.056%  |
| 67 | 11.246 | 1543 | 1546 | 1549 | rVB2 | 328    | 505    | 0.16%   | 0.023%  |
| 68 | 11.282 | 1549 | 1552 | 1557 | rBV3 | 664    | 1155   | 0.36%   | 0.052%  |
| 69 | 11.380 | 1565 | 1568 | 1571 | rBV3 | 294    | 361    | 0.11%   | 0.016%  |
| 70 | 11.490 | 1579 | 1586 | 1595 | rVB  | 130861 | 209598 | 64.63%  | 9.448%  |
| 71 | 11.593 | 1598 | 1603 | 1611 | rVB  | 12272  | 19524  | 6.02%   | 0.880%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\  
 Data File : VY003703.D  
 Acq On : 09 Dec 2020 16:11  
 Operator : SY/MD  
 Sample : L4979-12  
 Misc : 6.42G/10ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GB1G2

## 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\_Y\METHODS\SOM2YLM120420S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |        |        |        |
|-----|--------|------|------|------|------|-------|--------|--------|--------|
| 72  | 11.697 | 1615 | 1620 | 1626 | rBV3 | 3012  | 5618   | 1.73%  | 0.253% |
| 73  | 12.032 | 1667 | 1675 | 1678 | rVB2 | 1911  | 3080   | 0.95%  | 0.139% |
| 74  | 12.325 | 1721 | 1723 | 1726 | rVB  | 335   | 275    | 0.08%  | 0.012% |
| 75  | 12.422 | 1736 | 1739 | 1743 | rBV  | 240   | 369    | 0.11%  | 0.017% |
| 76  | 12.496 | 1749 | 1751 | 1755 | rVB3 | 890   | 1078   | 0.33%  | 0.049% |
| 77  | 12.563 | 1755 | 1762 | 1768 | rVB  | 54350 | 87717  | 27.05% | 3.954% |
| 78  | 12.678 | 1776 | 1781 | 1785 | rBV3 | 997   | 1869   | 0.58%  | 0.084% |
| 79  | 12.806 | 1799 | 1802 | 1807 | rVB5 | 797   | 1307   | 0.40%  | 0.059% |
| 80  | 12.898 | 1815 | 1817 | 1821 | rBV  | 294   | 331    | 0.10%  | 0.015% |
| 81  | 13.087 | 1845 | 1848 | 1849 | rBV2 | 273   | 241    | 0.07%  | 0.011% |
| 82  | 13.117 | 1849 | 1853 | 1858 | rBV  | 1888  | 2680   | 0.83%  | 0.121% |
| 83  | 13.251 | 1872 | 1875 | 1876 | rBV  | 315   | 308    | 0.09%  | 0.014% |
| 84  | 13.270 | 1876 | 1878 | 1881 | rVB3 | 528   | 519    | 0.16%  | 0.023% |
| 85  | 13.337 | 1887 | 1889 | 1892 | rBB2 | 359   | 386    | 0.12%  | 0.017% |
| 86  | 13.422 | 1897 | 1903 | 1913 | rBV  | 86755 | 139024 | 42.87% | 6.267% |
| 87  | 13.532 | 1917 | 1921 | 1922 | rBV4 | 455   | 525    | 0.16%  | 0.024% |
| 88  | 13.617 | 1932 | 1935 | 1936 | rBV2 | 293   | 218    | 0.07%  | 0.010% |
| 89  | 13.636 | 1936 | 1938 | 1940 | rVV2 | 558   | 458    | 0.14%  | 0.021% |
| 90  | 13.721 | 1944 | 1952 | 1959 | rVB  | 81144 | 128221 | 39.54% | 5.780% |
| 91  | 13.776 | 1959 | 1961 | 1964 | rVB  | 258   | 276    | 0.09%  | 0.012% |
| 92  | 13.806 | 1964 | 1966 | 1968 | rBV  | 346   | 318    | 0.10%  | 0.014% |
| 93  | 13.867 | 1974 | 1976 | 1978 | rBV2 | 358   | 403    | 0.12%  | 0.018% |
| 94  | 13.965 | 1989 | 1992 | 1997 | rVB3 | 1119  | 1530   | 0.47%  | 0.069% |
| 95  | 14.556 | 2088 | 2089 | 2092 | rVB2 | 445   | 332    | 0.10%  | 0.015% |
| 96  | 14.666 | 2103 | 2107 | 2108 | rBV2 | 563   | 683    | 0.21%  | 0.031% |
| 97  | 14.824 | 2132 | 2133 | 2138 | rVB2 | 370   | 296    | 0.09%  | 0.013% |
| 98  | 15.056 | 2168 | 2171 | 2173 | rBV2 | 355   | 410    | 0.13%  | 0.018% |
| 99  | 15.525 | 2244 | 2248 | 2252 | rBV3 | 340   | 416    | 0.13%  | 0.019% |
| 100 | 15.739 | 2281 | 2283 | 2285 | rBV2 | 443   | 423    | 0.13%  | 0.019% |

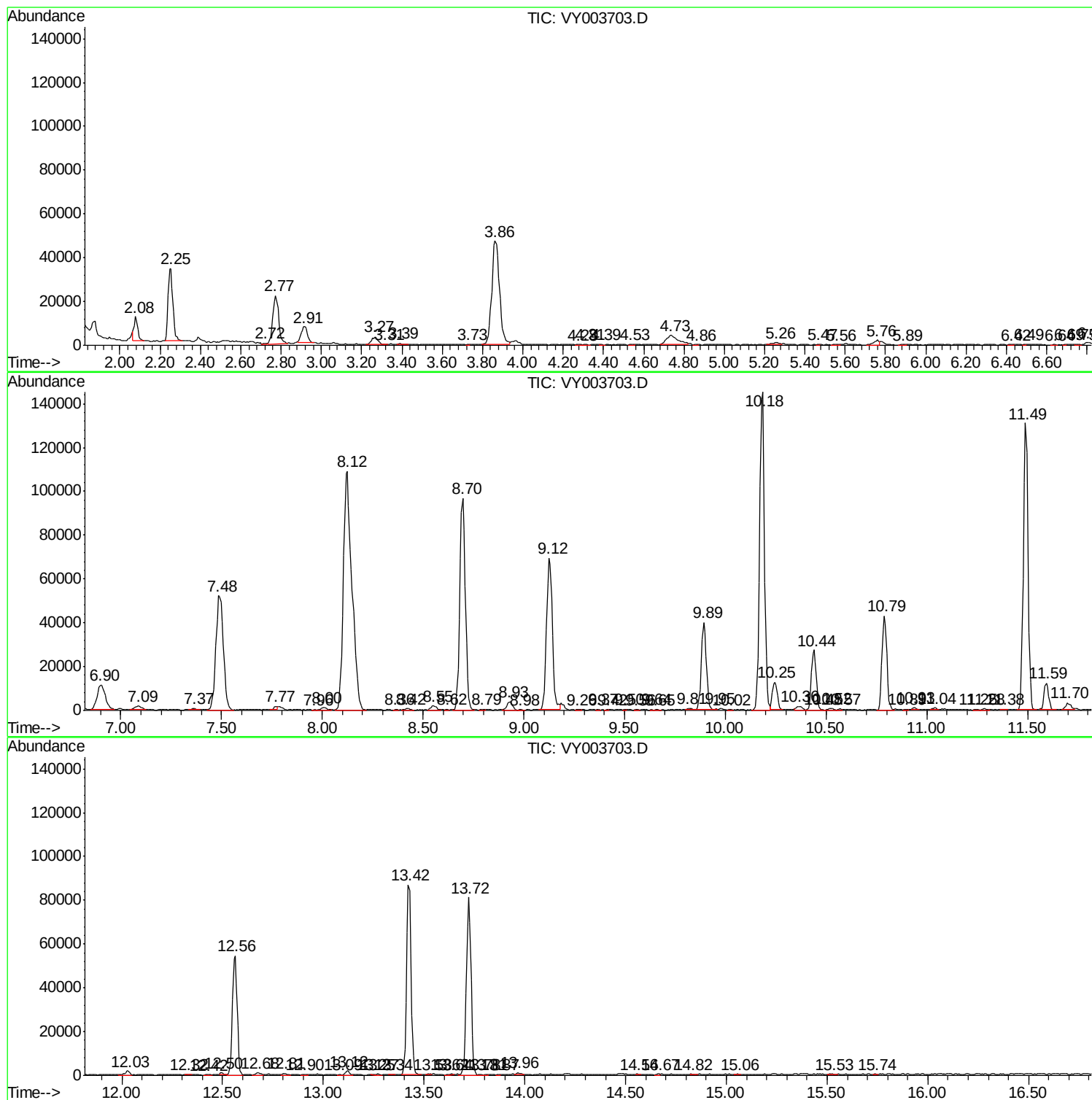
Sum of corrected areas: 2218437

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120920\  
Data File : VY003703.D  
Acq On : 09 Dec 2020 16:11  
Operator : SY/MD  
Sample : L4979-12  
Misc : 6.42G/10ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GB1G2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM120420S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120920\  
Data File : VY003703.D  
Acq On : 09 Dec 2020 16:11  
Operator : SY/MD  
Sample : L4979-12  
Misc : 6.42G/10ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GB1G2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM120420S.M  
Quant Title : VOC Analysis

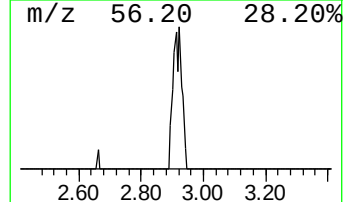
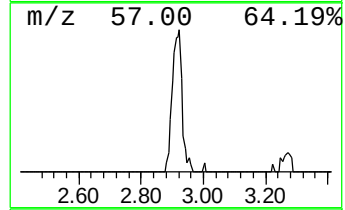
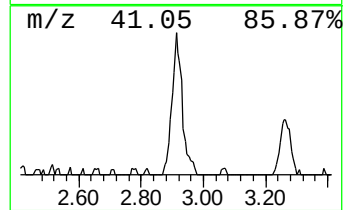
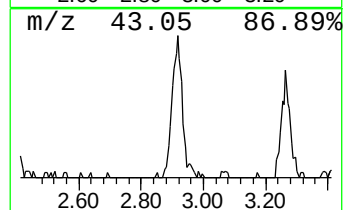
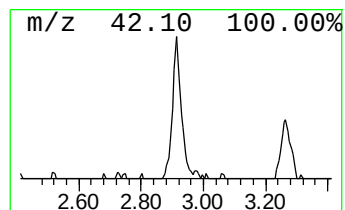
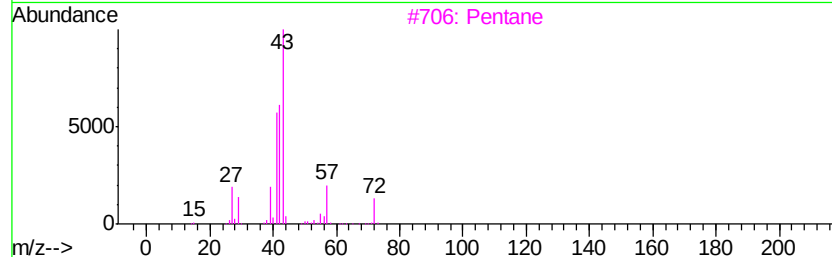
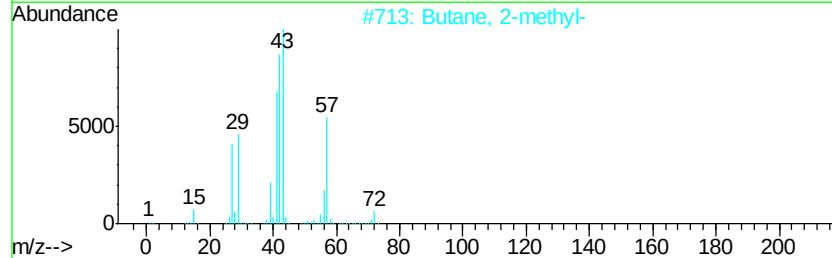
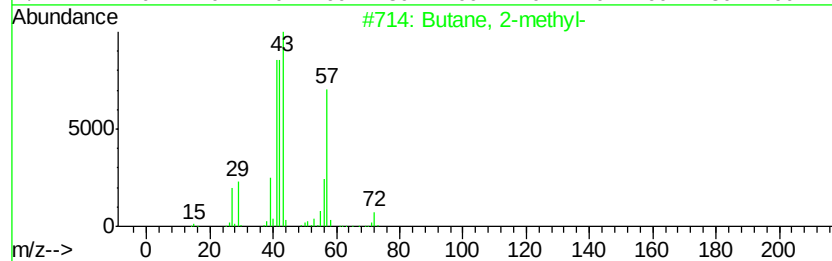
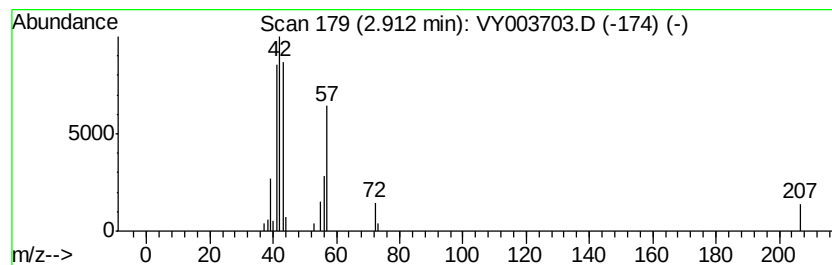
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.91 | 2.02 ug/L | 15305 | 1,4-Difluorobenzene | 8.70 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 72   |
| 2    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 59   |
| 3    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 50   |
| 4    |    | 3-Buten-1-ol      | 72 | C4H8O   | 000627-27-0 | 47   |
| 5    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_Y\DATA\VY120920\  
Data File : VY003703.D  
Acq On : 09 Dec 2020 16:11  
Operator : SY/MD  
Sample : L4979-12  
Misc : 6.42G/10ML/MSV0A\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSV0A\_Y  
ClientSampleId :  
GB1G2

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_Y\METHODS\SOM2YLM120420S.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 |
| (DEL) Alkane: Str... | 2.91 | 2.0     | ug/L  | 15305    | 1                     | 8.70 | 189083 | 25.0 |