

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039288.D  
 Acq On : 16 Dec 2023 14:21  
 Operator : JC/MD  
 Sample : 05845-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE1

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\_X\Method\SFAMXML120523WMA.M  
 Title : VOC Analysis

Signal : TIC: VX039288.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         | 1.246       | 23            | 26          | 34           | rVB2     | 3346           | 5235          | 0.58%           | 0.063%        |
| 2         | 1.368       | 42            | 46          | 57           | rVB      | 108792         | 114170        | 12.63%          | 1.374%        |
| 3         | 1.666       | 91            | 95          | 107          | rBV      | 68634          | 101106        | 11.18%          | 1.217%        |
| 4         | 2.313       | 194           | 201         | 208          | rBV2     | 247571         | 471970        | 52.20%          | 5.681%        |
| 5         | 2.374       | 208           | 211         | 223          | rVB      | 56030          | 93075         | 10.29%          | 1.120%        |
| 6         | 2.532       | 229           | 237         | 251          | rBV      | 242404         | 445610        | 49.29%          | 5.364%        |
| 7         | 2.959       | 300           | 307         | 315          | rVB3     | 8177           | 18998         | 2.10%           | 0.229%        |
| 8         | 3.111       | 325           | 332         | 343          | rBV2     | 10517          | 25569         | 2.83%           | 0.308%        |
| 9         | 3.514       | 396           | 398         | 401          | rVB2     | 166            | 177           | 0.02%           | 0.002%        |
| 10        | 3.611       | 404           | 414         | 425          | rBV2     | 15268          | 34841         | 3.85%           | 0.419%        |
| 11        | 3.739       | 433           | 435         | 436          | rBV      | 335            | 279           | 0.03%           | 0.003%        |
| 12        | 3.849       | 450           | 453         | 455          | rVB      | 241            | 208           | 0.02%           | 0.003%        |
| 13        | 4.013       | 478           | 480         | 482          | rVB      | 253            | 178           | 0.02%           | 0.002%        |
| 14        | 4.288       | 521           | 525         | 528          | rBV2     | 322            | 466           | 0.05%           | 0.006%        |
| 15        | 4.452       | 543           | 552         | 562          | rBV      | 84701          | 242329        | 26.80%          | 2.917%        |
| 16        | 4.556       | 563           | 569         | 591          | rVB      | 38177          | 114010        | 12.61%          | 1.372%        |
| 17        | 4.824       | 611           | 613         | 618          | rVB2     | 466            | 540           | 0.06%           | 0.006%        |
| 18        | 4.885       | 621           | 623         | 625          | rBV      | 213            | 187           | 0.02%           | 0.002%        |
| 19        | 4.904       | 625           | 626         | 630          | rVB2     | 264            | 176           | 0.02%           | 0.002%        |
| 20        | 5.056       | 630           | 651         | 667          | rBV      | 115184         | 383729        | 42.44%          | 4.619%        |
| 21        | 5.385       | 692           | 705         | 720          | rVV      | 59960          | 189366        | 20.95%          | 2.279%        |
| 22        | 5.513       | 724           | 726         | 729          | rBV2     | 264            | 348           | 0.04%           | 0.004%        |
| 23        | 5.605       | 739           | 741         | 742          | rVB      | 284            | 201           | 0.02%           | 0.002%        |
| 24        | 5.867       | 783           | 784         | 786          | rBV2     | 237            | 190           | 0.02%           | 0.002%        |
| 25        | 5.970       | 789           | 801         | 813          | rVV2     | 299132         | 904106        | 100.00%         | 10.883%       |
| 26        | 6.086       | 813           | 820         | 835          | rVB      | 56766          | 146575        | 16.21%          | 1.764%        |
| 27        | 6.537       | 892           | 894         | 898          | rVV2     | 200            | 224           | 0.02%           | 0.003%        |
| 28        | 6.641       | 909           | 911         | 913          | rBV      | 300            | 200           | 0.02%           | 0.002%        |
| 29        | 6.665       | 913           | 915         | 917          | rBV2     | 220            | 204           | 0.02%           | 0.002%        |
| 30        | 6.763       | 921           | 931         | 946          | rBV      | 219280         | 535090        | 59.18%          | 6.441%        |
| 31        | 7.129       | 988           | 991         | 992          | rBV2     | 1283           | 1203          | 0.13%           | 0.014%        |
| 32        | 7.306       | 1012          | 1020        | 1034         | rBV      | 180897         | 410231        | 45.37%          | 4.938%        |
| 33        | 7.848       | 1107          | 1109        | 1111         | rVB2     | 258            | 174           | 0.02%           | 0.002%        |
| 34        | 7.897       | 1115          | 1117        | 1119         | rBV2     | 431            | 519           | 0.06%           | 0.006%        |
| 35        | 7.952       | 1124          | 1126        | 1129         | rBV3     | 203            | 256           | 0.03%           | 0.003%        |
| 36        | 8.324       | 1181          | 1187        | 1200         | rBV      | 130989         | 213077        | 23.57%          | 2.565%        |

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 ALS Vial : 59 Sample Multiplier: 1

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 ClientSampleId :  
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Integration Parameters: LSCINT.P

Integrator: RTE

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Filtering: 5

Sampling : 1

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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\_X\Method\SFAMXLM120523WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.507  | 1215 | 1217 | 1218 | rBV  | 335    | 232    | 0.03%  | 0.003% |
| 38 | 8.580  | 1226 | 1229 | 1231 | rBV4 | 329    | 397    | 0.04%  | 0.005% |
| 39 | 8.647  | 1234 | 1240 | 1255 | rBV  | 448415 | 720507 | 79.69% | 8.673% |
| 40 | 8.952  | 1284 | 1290 | 1302 | rVV  | 91181  | 140420 | 15.53% | 1.690% |
| 41 | 9.074  | 1308 | 1310 | 1313 | rVB  | 416    | 319    | 0.04%  | 0.004% |
| 42 | 9.165  | 1323 | 1325 | 1326 | rVV  | 262    | 216    | 0.02%  | 0.003% |
| 43 | 9.183  | 1326 | 1328 | 1332 | rVV2 | 337    | 438    | 0.05%  | 0.005% |
| 44 | 9.226  | 1332 | 1335 | 1338 | rVV2 | 225    | 230    | 0.03%  | 0.003% |
| 45 | 9.275  | 1340 | 1343 | 1350 | rVB3 | 1501   | 1960   | 0.22%  | 0.024% |
| 46 | 9.384  | 1355 | 1361 | 1376 | rBV  | 386884 | 563824 | 62.36% | 6.787% |
| 47 | 9.567  | 1390 | 1391 | 1394 | rBV2 | 361    | 236    | 0.03%  | 0.003% |
| 48 | 9.616  | 1394 | 1399 | 1411 | rVB  | 14280  | 23368  | 2.58%  | 0.281% |
| 49 | 9.848  | 1435 | 1437 | 1438 | rVV  | 377    | 228    | 0.03%  | 0.003% |
| 50 | 9.958  | 1454 | 1455 | 1458 | rBV2 | 300    | 347    | 0.04%  | 0.004% |
| 51 | 10.055 | 1465 | 1471 | 1490 | rBV  | 463864 | 661286 | 73.14% | 7.960% |
| 52 | 10.195 | 1490 | 1494 | 1498 | rVB4 | 555    | 935    | 0.10%  | 0.011% |
| 53 | 10.384 | 1522 | 1525 | 1530 | rVB3 | 234    | 440    | 0.05%  | 0.005% |
| 54 | 10.470 | 1535 | 1539 | 1541 | rBV2 | 157    | 199    | 0.02%  | 0.002% |
| 55 | 10.567 | 1552 | 1555 | 1558 | rVB  | 207    | 211    | 0.02%  | 0.003% |
| 56 | 10.604 | 1558 | 1561 | 1563 | rBV  | 220    | 252    | 0.03%  | 0.003% |
| 57 | 10.646 | 1565 | 1568 | 1570 | rBV2 | 555    | 731    | 0.08%  | 0.009% |
| 58 | 10.823 | 1595 | 1597 | 1601 | rVV2 | 257    | 237    | 0.03%  | 0.003% |
| 59 | 10.970 | 1617 | 1621 | 1625 | rVB3 | 312    | 494    | 0.05%  | 0.006% |
| 60 | 11.018 | 1625 | 1629 | 1636 | rBV  | 2180   | 3247   | 0.36%  | 0.039% |
| 61 | 11.091 | 1636 | 1641 | 1646 | rVB3 | 868    | 1116   | 0.12%  | 0.013% |
| 62 | 11.189 | 1652 | 1657 | 1666 | rBV  | 347470 | 440912 | 48.77% | 5.307% |
| 63 | 11.311 | 1673 | 1677 | 1682 | rVB2 | 1685   | 2411   | 0.27%  | 0.029% |
| 64 | 11.451 | 1698 | 1700 | 1704 | rVB3 | 581    | 665    | 0.07%  | 0.008% |
| 65 | 11.494 | 1704 | 1707 | 1710 | rBV2 | 177    | 244    | 0.03%  | 0.003% |
| 66 | 11.610 | 1721 | 1726 | 1727 | rBV2 | 219    | 290    | 0.03%  | 0.003% |
| 67 | 11.756 | 1746 | 1750 | 1753 | rVV  | 551    | 525    | 0.06%  | 0.006% |
| 68 | 11.969 | 1781 | 1785 | 1788 | rBV3 | 498    | 611    | 0.07%  | 0.007% |
| 69 | 12.018 | 1788 | 1793 | 1804 | rBV  | 494044 | 656896 | 72.66% | 7.907% |
| 70 | 12.232 | 1827 | 1828 | 1832 | rVB3 | 206    | 186    | 0.02%  | 0.002% |
| 71 | 12.317 | 1837 | 1842 | 1853 | rBV  | 487808 | 616522 | 68.19% | 7.421% |
| 72 | 12.542 | 1877 | 1879 | 1881 | rVB2 | 307    | 258    | 0.03%  | 0.003% |
| 73 | 12.579 | 1883 | 1885 | 1888 | rBV  | 201    | 212    | 0.02%  | 0.003% |
| 74 | 12.762 | 1911 | 1915 | 1922 | rVB2 | 619    | 949    | 0.10%  | 0.011% |
| 75 | 12.859 | 1927 | 1931 | 1934 | rVV2 | 232    | 294    | 0.03%  | 0.004% |
| 76 | 12.981 | 1947 | 1951 | 1953 | rBV2 | 200    | 273    | 0.03%  | 0.003% |

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 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
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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\_X\Method\SFAMXML120523WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 13.116 | 1971 | 1973 | 1975 | rVB  | 579  | 353  | 0.04% | 0.004% |
| 78  | 13.158 | 1979 | 1980 | 1982 | rBV2 | 239  | 194  | 0.02% | 0.002% |
| 79  | 13.237 | 1991 | 1993 | 1995 | rBV  | 183  | 193  | 0.02% | 0.002% |
| 80  | 13.426 | 2018 | 2024 | 2032 | rBV4 | 1141 | 2265 | 0.25% | 0.027% |
| 81  | 13.500 | 2035 | 2036 | 2039 | rVV  | 372  | 326  | 0.04% | 0.004% |
| 82  | 13.597 | 2049 | 2052 | 2054 | rVB2 | 684  | 719  | 0.08% | 0.009% |
| 83  | 13.780 | 2079 | 2082 | 2084 | rBV3 | 733  | 902  | 0.10% | 0.011% |
| 84  | 13.896 | 2099 | 2101 | 2103 | rVV  | 284  | 190  | 0.02% | 0.002% |
| 85  | 14.042 | 2123 | 2125 | 2129 | rBV2 | 196  | 256  | 0.03% | 0.003% |
| 86  | 14.128 | 2135 | 2139 | 2143 | rBV2 | 615  | 908  | 0.10% | 0.011% |
| 87  | 14.280 | 2162 | 2164 | 2168 | rBV2 | 214  | 180  | 0.02% | 0.002% |
| 88  | 14.493 | 2198 | 2199 | 2201 | rBV  | 234  | 174  | 0.02% | 0.002% |
| 89  | 14.621 | 2218 | 2220 | 2222 | rVB  | 268  | 234  | 0.03% | 0.003% |
| 90  | 14.652 | 2222 | 2225 | 2226 | rBV2 | 317  | 279  | 0.03% | 0.003% |
| 91  | 14.804 | 2248 | 2250 | 2252 | rBV  | 174  | 189  | 0.02% | 0.002% |
| 92  | 14.859 | 2258 | 2259 | 2262 | rBV2 | 291  | 282  | 0.03% | 0.003% |
| 93  | 14.969 | 2273 | 2277 | 2280 | rVB2 | 369  | 390  | 0.04% | 0.005% |
| 94  | 15.298 | 2329 | 2331 | 2333 | rBV2 | 293  | 277  | 0.03% | 0.003% |
| 95  | 15.396 | 2345 | 2347 | 2351 | rVB2 | 440  | 333  | 0.04% | 0.004% |
| 96  | 15.707 | 2396 | 2398 | 2400 | rVB2 | 271  | 178  | 0.02% | 0.002% |
| 97  | 16.139 | 2466 | 2469 | 2470 | rBV  | 417  | 307  | 0.03% | 0.004% |
| 98  | 16.200 | 2477 | 2479 | 2482 | rVB2 | 286  | 191  | 0.02% | 0.002% |
| 99  | 16.462 | 2520 | 2522 | 2526 | rVB3 | 290  | 308  | 0.03% | 0.004% |
| 100 | 16.688 | 2557 | 2559 | 2560 | rBV2 | 318  | 228  | 0.03% | 0.003% |

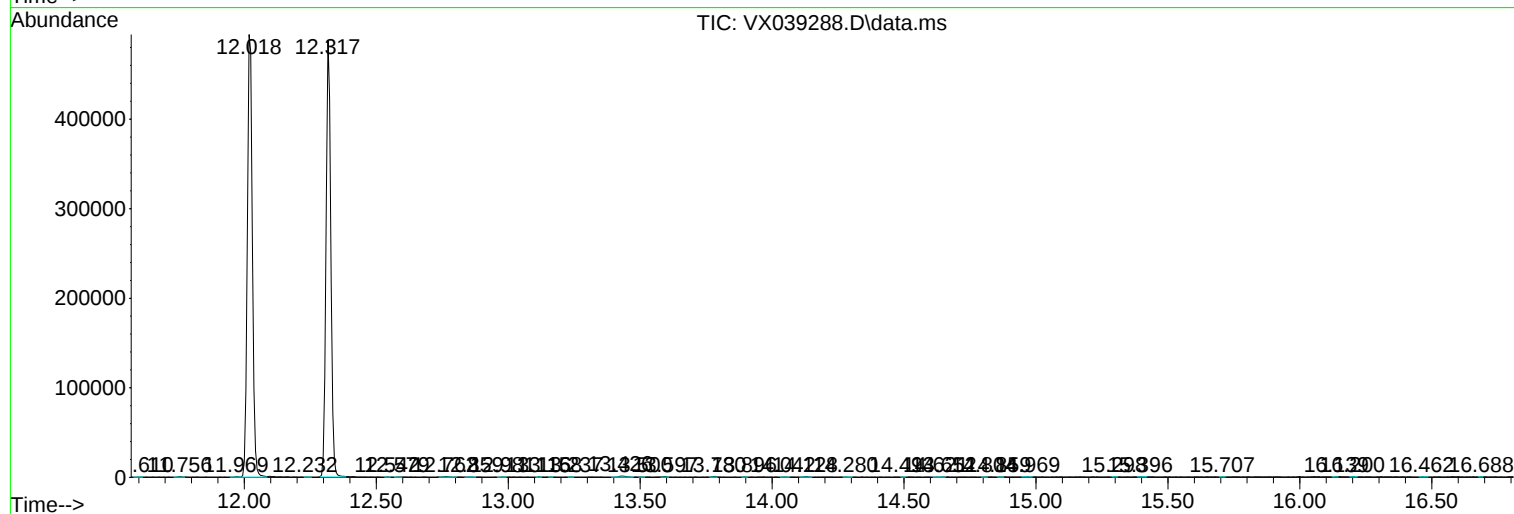
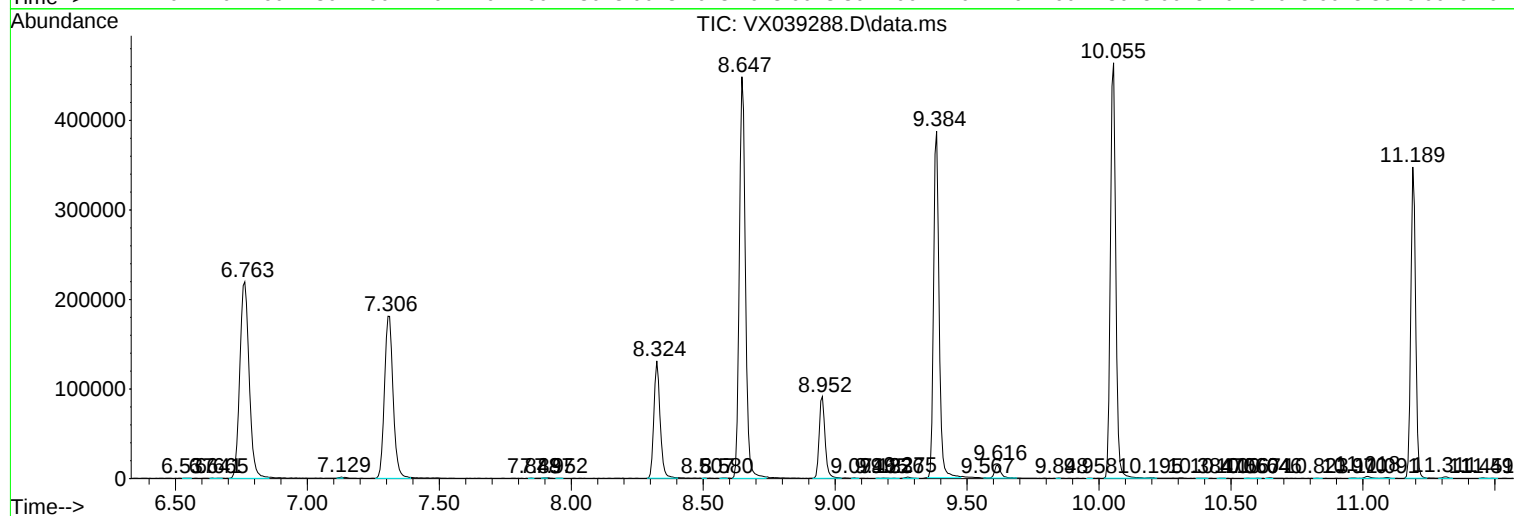
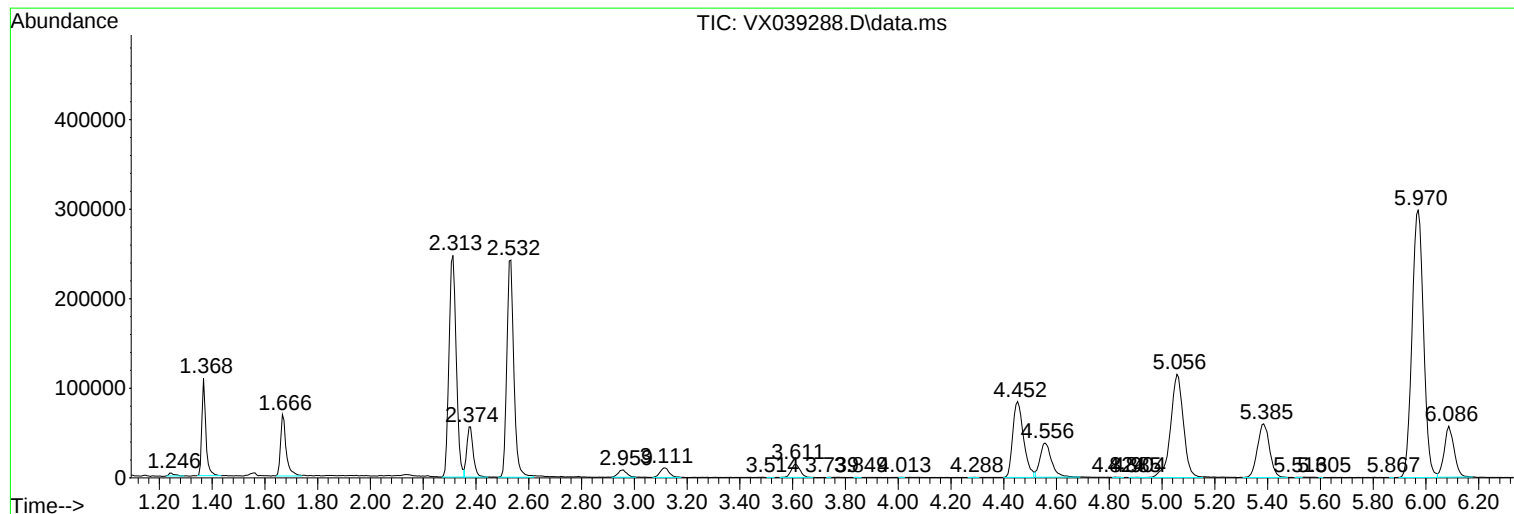
Sum of corrected areas: 8307791

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ALS Vial : 59 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis

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



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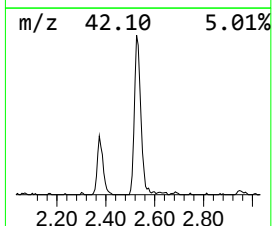
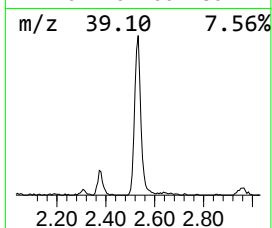
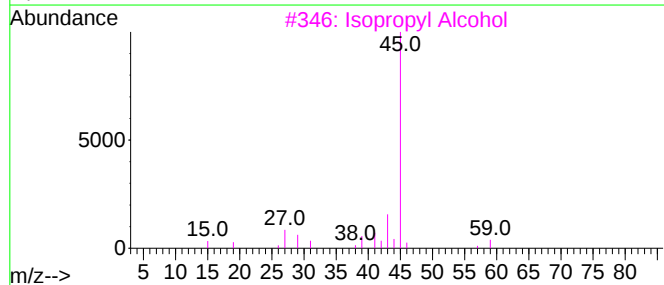
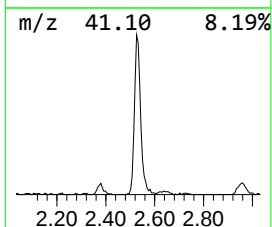
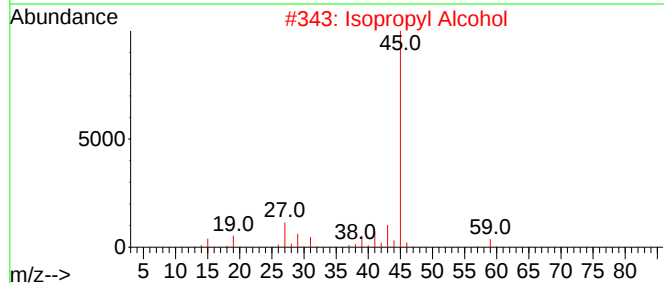
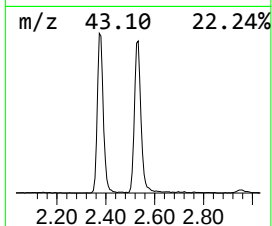
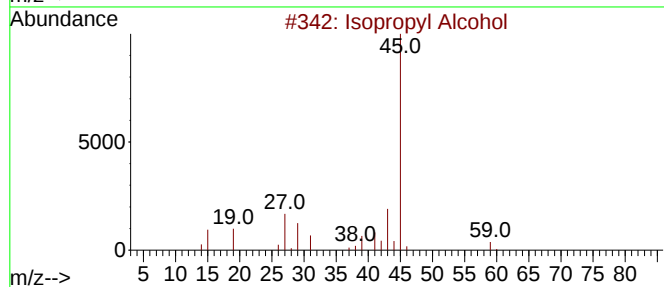
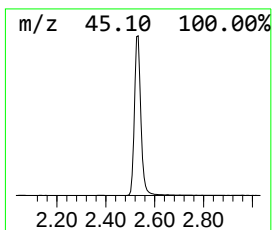
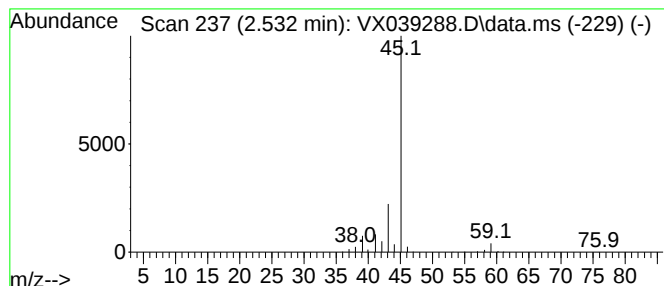
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 2.532 | 41.64 ug/L | 445610 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of                       | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------------------|---|--------------|----|---------|-------------|------|
| 1    | Isopropyl Alcohol        |   |              | 60 | C3H8O   | 000067-63-0 | 83   |
| 2    | Isopropyl Alcohol        |   |              | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    | Isopropyl Alcohol        |   |              | 60 | C3H8O   | 000067-63-0 | 64   |
| 4    | Hydrazine, ethyl-        |   |              | 60 | C2H8N2  | 000624-80-6 | 40   |
| 5    | Hydrazine, 1,2-dimethyl- |   |              | 60 | C2H8N2  | 000540-73-8 | 9    |



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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 |
| Isopropyl Alcohol | 2.532 | 41.6    | ug/L  | 445610   | 1                     | 6.763 | 535090 | 50.0 |