

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039281.D  
 Acq On : 16 Dec 2023 11:40  
 Operator : JC/MD  
 Sample : 05844-08DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHG4DL

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: VX039281.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          | 28           | rBV2     | 2877           | 4007          | 0.44%           | 0.054%        |
| 2         | 1.367       | 42            | 46          | 56           | rBV      | 116027         | 124933        | 13.69%          | 1.675%        |
| 3         | 1.672       | 91            | 96          | 112          | rBV      | 66908          | 106310        | 11.65%          | 1.425%        |
| 4         | 2.312       | 194           | 201         | 209          | rBV3     | 353370         | 669675        | 73.40%          | 8.977%        |
| 5         | 2.526       | 230           | 236         | 244          | rBV      | 17701          | 32916         | 3.61%           | 0.441%        |
| 6         | 2.715       | 265           | 267         | 269          | rBV      | 265            | 266           | 0.03%           | 0.004%        |
| 7         | 2.757       | 273           | 274         | 275          | rVV      | 370            | 227           | 0.02%           | 0.003%        |
| 8         | 2.788       | 275           | 279         | 284          | rVV2     | 1957           | 3340          | 0.37%           | 0.045%        |
| 9         | 2.849       | 287           | 289         | 291          | rBV      | 264            | 203           | 0.02%           | 0.003%        |
| 10        | 2.940       | 298           | 304         | 314          | rBV      | 4603           | 10640         | 1.17%           | 0.143%        |
| 11        | 3.044       | 319           | 321         | 323          | rVB      | 311            | 282           | 0.03%           | 0.004%        |
| 12        | 3.099       | 323           | 330         | 335          | rBV4     | 439            | 1240          | 0.14%           | 0.017%        |
| 13        | 3.611       | 406           | 414         | 423          | rBV2     | 9680           | 22125         | 2.43%           | 0.297%        |
| 14        | 3.721       | 431           | 432         | 434          | rVB2     | 334            | 206           | 0.02%           | 0.003%        |
| 15        | 3.751       | 434           | 437         | 438          | rBV2     | 364            | 387           | 0.04%           | 0.005%        |
| 16        | 4.068       | 487           | 489         | 490          | rBV      | 421            | 246           | 0.03%           | 0.003%        |
| 17        | 4.208       | 511           | 512         | 514          | rBV2     | 225            | 182           | 0.02%           | 0.002%        |
| 18        | 4.263       | 520           | 521         | 524          | rBV      | 283            | 206           | 0.02%           | 0.003%        |
| 19        | 4.446       | 543           | 551         | 566          | rBV      | 81851          | 245125        | 26.87%          | 3.286%        |
| 20        | 4.861       | 617           | 619         | 620          | rBV2     | 232            | 189           | 0.02%           | 0.003%        |
| 21        | 4.964       | 632           | 636         | 638          | rBV      | 283            | 359           | 0.04%           | 0.005%        |
| 22        | 5.056       | 640           | 651         | 667          | rVV      | 112401         | 352439        | 38.63%          | 4.725%        |
| 23        | 5.275       | 685           | 687         | 693          | rBV2     | 198            | 299           | 0.03%           | 0.004%        |
| 24        | 5.385       | 696           | 705         | 712          | rBV5     | 1299           | 3802          | 0.42%           | 0.051%        |
| 25        | 5.477       | 716           | 720         | 721          | rBV2     | 228            | 215           | 0.02%           | 0.003%        |
| 26        | 5.562       | 729           | 734         | 737          | rVV3     | 513            | 948           | 0.10%           | 0.013%        |
| 27        | 5.726       | 758           | 761         | 763          | rBV      | 236            | 249           | 0.03%           | 0.003%        |
| 28        | 5.781       | 768           | 770         | 773          | rBV2     | 266            | 365           | 0.04%           | 0.005%        |
| 29        | 5.867       | 782           | 784         | 786          | rVB2     | 247            | 195           | 0.02%           | 0.003%        |
| 30        | 5.891       | 786           | 788         | 789          | rBV      | 312            | 216           | 0.02%           | 0.003%        |
| 31        | 5.970       | 789           | 801         | 818          | rBV2     | 302348         | 912308        | 100.00%         | 12.230%       |
| 32        | 6.537       | 890           | 894         | 896          | rBV3     | 261            | 363           | 0.04%           | 0.005%        |
| 33        | 6.598       | 902           | 904         | 907          | rBV      | 162            | 204           | 0.02%           | 0.003%        |
| 34        | 6.757       | 922           | 930         | 945          | rBV      | 214027         | 523165        | 57.35%          | 7.013%        |
| 35        | 7.135       | 984           | 992         | 1000         | rVB3     | 6287           | 13926         | 1.53%           | 0.187%        |
| 36        | 7.305       | 1012          | 1020        | 1038         | rBV      | 185490         | 411119        | 45.06%          | 5.511%        |

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 ClientSampleId :  
 YCHG4DL

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\SFAMXLM120523WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.561  | 1059 | 1062 | 1064 | rVB2 | 182    | 189    | 0.02%  | 0.003% |
| 38 | 7.604  | 1066 | 1069 | 1072 | rBV  | 238    | 336    | 0.04%  | 0.005% |
| 39 | 7.744  | 1088 | 1092 | 1094 | rBV  | 240    | 278    | 0.03%  | 0.004% |
| 40 | 7.799  | 1099 | 1101 | 1104 | rVB2 | 204    | 200    | 0.02%  | 0.003% |
| 41 | 8.324  | 1181 | 1187 | 1199 | rBV  | 129873 | 216484 | 23.73% | 2.902% |
| 42 | 8.513  | 1217 | 1218 | 1222 | rVB2 | 268    | 228    | 0.02%  | 0.003% |
| 43 | 8.586  | 1226 | 1230 | 1233 | rVB2 | 280    | 441    | 0.05%  | 0.006% |
| 44 | 8.647  | 1233 | 1240 | 1259 | rBV  | 461035 | 726617 | 79.65% | 9.741% |
| 45 | 8.823  | 1268 | 1269 | 1273 | rVB3 | 354    | 234    | 0.03%  | 0.003% |
| 46 | 8.951  | 1284 | 1290 | 1305 | rBV  | 94467  | 143716 | 15.75% | 1.927% |
| 47 | 9.183  | 1327 | 1328 | 1331 | rBV  | 249    | 233    | 0.03%  | 0.003% |
| 48 | 9.226  | 1333 | 1335 | 1338 | rVV2 | 154    | 218    | 0.02%  | 0.003% |
| 49 | 9.275  | 1338 | 1343 | 1350 | rVB3 | 1604   | 2443   | 0.27%  | 0.033% |
| 50 | 9.384  | 1355 | 1361 | 1378 | rBV  | 379664 | 548343 | 60.11% | 7.351% |
| 51 | 9.689  | 1409 | 1411 | 1417 | rBV2 | 200    | 321    | 0.04%  | 0.004% |
| 52 | 10.055 | 1465 | 1471 | 1485 | rBV  | 466412 | 645384 | 70.74% | 8.652% |
| 53 | 10.238 | 1499 | 1501 | 1502 | rBV  | 308    | 258    | 0.03%  | 0.003% |
| 54 | 10.317 | 1509 | 1514 | 1517 | rVV2 | 801    | 1112   | 0.12%  | 0.015% |
| 55 | 10.354 | 1517 | 1520 | 1521 | rVV2 | 170    | 189    | 0.02%  | 0.003% |
| 56 | 10.390 | 1525 | 1526 | 1528 | rVV  | 317    | 193    | 0.02%  | 0.003% |
| 57 | 10.500 | 1541 | 1544 | 1547 | rBV2 | 171    | 220    | 0.02%  | 0.003% |
| 58 | 10.652 | 1561 | 1569 | 1570 | rBV2 | 469    | 778    | 0.09%  | 0.010% |
| 59 | 10.957 | 1616 | 1619 | 1620 | rBV  | 377    | 383    | 0.04%  | 0.005% |
| 60 | 11.097 | 1637 | 1642 | 1645 | rVB3 | 648    | 1035   | 0.11%  | 0.014% |
| 61 | 11.189 | 1652 | 1657 | 1665 | rBV  | 339943 | 437997 | 48.01% | 5.872% |
| 62 | 11.305 | 1675 | 1676 | 1677 | rBV  | 424    | 217    | 0.02%  | 0.003% |
| 63 | 11.457 | 1697 | 1701 | 1704 | rVB3 | 700    | 966    | 0.11%  | 0.013% |
| 64 | 11.494 | 1704 | 1707 | 1710 | rBV2 | 294    | 338    | 0.04%  | 0.005% |
| 65 | 11.616 | 1725 | 1727 | 1731 | rVB  | 160    | 188    | 0.02%  | 0.003% |
| 66 | 11.664 | 1733 | 1735 | 1736 | rBV2 | 318    | 209    | 0.02%  | 0.003% |
| 67 | 11.756 | 1746 | 1750 | 1753 | rVB  | 606    | 902    | 0.10%  | 0.012% |
| 68 | 11.872 | 1767 | 1769 | 1772 | rVB  | 337    | 261    | 0.03%  | 0.003% |
| 69 | 11.975 | 1779 | 1786 | 1788 | rBV3 | 993    | 1198   | 0.13%  | 0.016% |
| 70 | 12.018 | 1788 | 1793 | 1804 | rBV  | 491405 | 650408 | 71.29% | 8.719% |
| 71 | 12.195 | 1820 | 1822 | 1826 | rBB2 | 177    | 218    | 0.02%  | 0.003% |
| 72 | 12.317 | 1837 | 1842 | 1854 | rVV  | 497757 | 622752 | 68.26% | 8.348% |
| 73 | 12.475 | 1866 | 1868 | 1871 | rVB3 | 344    | 308    | 0.03%  | 0.004% |
| 74 | 12.615 | 1888 | 1891 | 1893 | rBV2 | 200    | 220    | 0.02%  | 0.003% |
| 75 | 12.762 | 1913 | 1915 | 1919 | rVB3 | 543    | 465    | 0.05%  | 0.006% |
| 76 | 13.115 | 1971 | 1973 | 1977 | rVB3 | 628    | 593    | 0.06%  | 0.008% |

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 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHG4DL

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  | 13.304 | 2001 | 2004 | 2007 | rBV2 | 148 | 188  | 0.02% | 0.003% |
| 78  | 13.597 | 2047 | 2052 | 2055 | rBV3 | 964 | 1232 | 0.14% | 0.017% |
| 79  | 13.780 | 2079 | 2082 | 2086 | rVV2 | 967 | 1165 | 0.13% | 0.016% |
| 80  | 13.865 | 2095 | 2096 | 2098 | rBV  | 218 | 185  | 0.02% | 0.002% |
| 81  | 13.969 | 2107 | 2113 | 2115 | rBV3 | 684 | 986  | 0.11% | 0.013% |
| 82  | 14.109 | 2132 | 2136 | 2137 | rVV2 | 277 | 319  | 0.03% | 0.004% |
| 83  | 14.133 | 2137 | 2140 | 2143 | rVB3 | 804 | 1007 | 0.11% | 0.013% |
| 84  | 14.194 | 2148 | 2150 | 2152 | rBV  | 313 | 285  | 0.03% | 0.004% |
| 85  | 14.268 | 2160 | 2162 | 2167 | rVV3 | 152 | 220  | 0.02% | 0.003% |
| 86  | 14.469 | 2193 | 2195 | 2196 | rBV2 | 252 | 184  | 0.02% | 0.002% |
| 87  | 14.694 | 2229 | 2232 | 2235 | rBV2 | 282 | 454  | 0.05% | 0.006% |
| 88  | 14.743 | 2238 | 2240 | 2241 | rBV2 | 321 | 281  | 0.03% | 0.004% |
| 89  | 14.804 | 2248 | 2250 | 2252 | rBV2 | 171 | 206  | 0.02% | 0.003% |
| 90  | 14.853 | 2256 | 2258 | 2261 | rVB2 | 346 | 294  | 0.03% | 0.004% |
| 91  | 15.133 | 2302 | 2304 | 2307 | rBV2 | 241 | 280  | 0.03% | 0.004% |
| 92  | 15.243 | 2321 | 2322 | 2325 | rBV2 | 381 | 232  | 0.03% | 0.003% |
| 93  | 15.359 | 2339 | 2341 | 2344 | rVB2 | 382 | 275  | 0.03% | 0.004% |
| 94  | 15.609 | 2381 | 2382 | 2384 | rVB  | 282 | 183  | 0.02% | 0.002% |
| 95  | 15.743 | 2402 | 2404 | 2405 | rBV  | 292 | 227  | 0.02% | 0.003% |
| 96  | 16.054 | 2453 | 2455 | 2458 | rVB2 | 348 | 262  | 0.03% | 0.004% |
| 97  | 16.115 | 2464 | 2465 | 2467 | rBV  | 393 | 237  | 0.03% | 0.003% |
| 98  | 16.468 | 2522 | 2523 | 2525 | rBV  | 392 | 211  | 0.02% | 0.003% |
| 99  | 16.596 | 2542 | 2544 | 2547 | rBV2 | 339 | 390  | 0.04% | 0.005% |
| 100 | 16.664 | 2553 | 2555 | 2556 | rBV  | 453 | 257  | 0.03% | 0.003% |

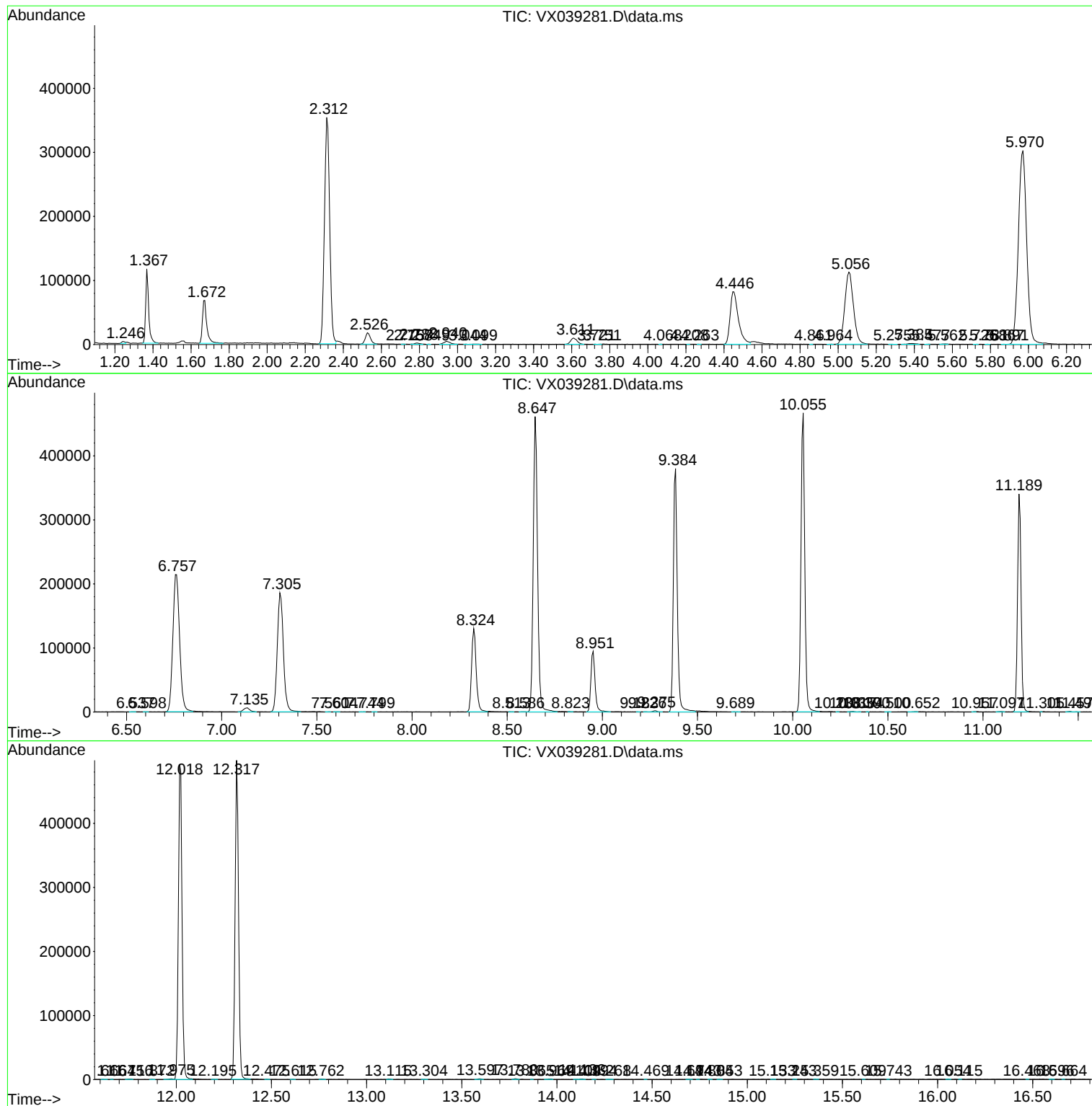
Sum of corrected areas: 7459510

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Instrument :  
MSVOA\_X  
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YCHG4DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
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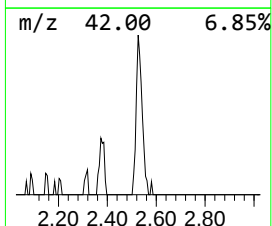
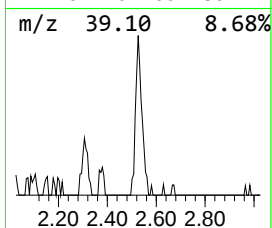
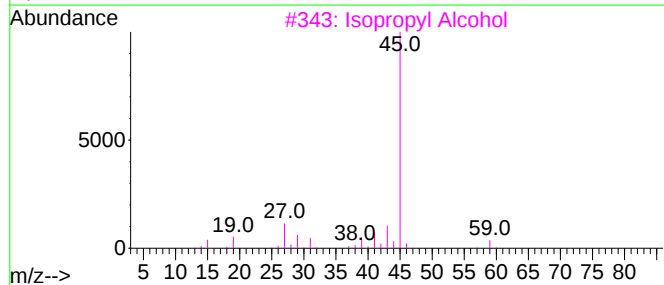
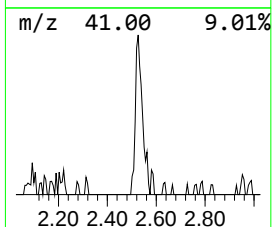
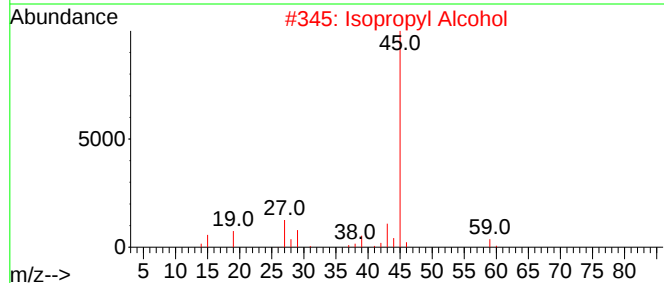
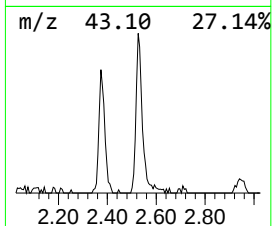
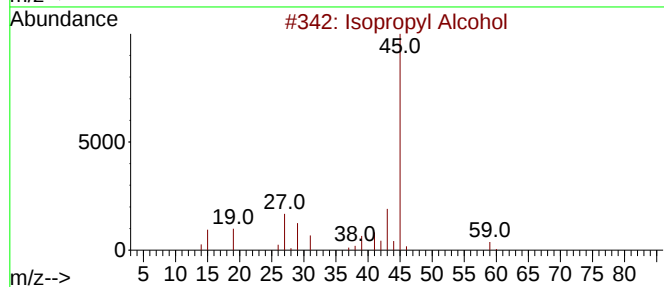
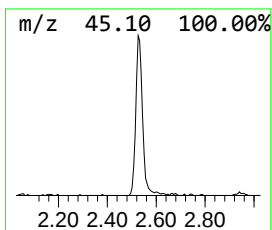
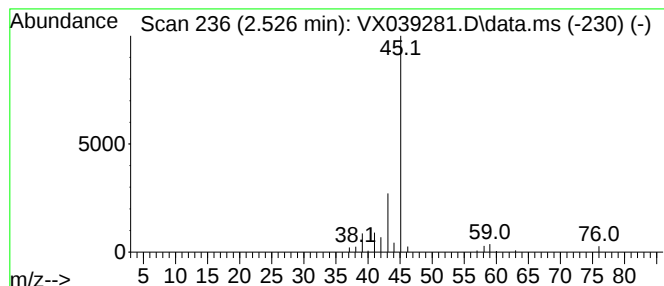
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.526 | 3.15 ug/L | 32916 | 1,4-Difluorobenzene | 6.763 |

| 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 | 64   |
| 3    |    |   | Isopropyl Alcohol       | 60 | C3H8O   | 000067-63-0 | 56   |
| 4    |    |   | (S)-(+)-1,2-Propanediol | 76 | C3H8O2  | 004254-15-3 | 9    |
| 5    |    |   | Isopropyl Alcohol       | 60 | C3H8O   | 000067-63-0 | 9    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name  | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|-------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                   |       |         |       |          | #                     | RT    | Resp   | Conc |
| Isopropyl Alcohol | 2.526 | 3.1     | ug/L  | 32916    | 1                     | 6.763 | 523165 | 50.0 |