

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039279.D  
 Acq On : 16 Dec 2023 10:54  
 Operator : JC/MD  
 Sample : 05844-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHG6

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

Signal : TIC: VX039279.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         | 1.142       | 7             | 9           | 12           | rBV      | 2197           | 2112          | 0.23%           | 0.025%        |
| 2         | 1.172       | 12            | 14          | 22           | rVB      | 14664          | 17215         | 1.86%           | 0.201%        |
| 3         | 1.240       | 23            | 25          | 27           | rBV      | 2729           | 2915          | 0.31%           | 0.034%        |
| 4         | 1.270       | 27            | 30          | 41           | rVB      | 33027          | 35960         | 3.88%           | 0.421%        |
| 5         | 1.368       | 41            | 46          | 58           | rBV      | 119478         | 144119        | 15.54%          | 1.685%        |
| 6         | 1.666       | 91            | 95          | 110          | rVB      | 69316          | 110415        | 11.91%          | 1.291%        |
| 7         | 2.136       | 168           | 172         | 182          | rVB4     | 5059           | 9600          | 1.04%           | 0.112%        |
| 8         | 2.312       | 194           | 201         | 208          | rBV3     | 432469         | 833070        | 89.84%          | 9.742%        |
| 9         | 2.373       | 208           | 211         | 226          | rVB      | 36997          | 60656         | 6.54%           | 0.709%        |
| 10        | 2.526       | 229           | 236         | 249          | rBV      | 201734         | 365803        | 39.45%          | 4.278%        |
| 11        | 2.947       | 299           | 305         | 313          | rBV2     | 6963           | 14315         | 1.54%           | 0.167%        |
| 12        | 3.099       | 325           | 330         | 336          | rVB5     | 1124           | 2158          | 0.23%           | 0.025%        |
| 13        | 3.306       | 362           | 364         | 368          | rVB2     | 169            | 213           | 0.02%           | 0.002%        |
| 14        | 3.422       | 381           | 383         | 385          | rBV2     | 227            | 204           | 0.02%           | 0.002%        |
| 15        | 3.605       | 402           | 413         | 425          | rBV2     | 22290          | 53890         | 5.81%           | 0.630%        |
| 16        | 4.282       | 520           | 524         | 527          | rBV2     | 238            | 310           | 0.03%           | 0.004%        |
| 17        | 4.312       | 527           | 529         | 532          | rVB2     | 302            | 288           | 0.03%           | 0.003%        |
| 18        | 4.446       | 541           | 551         | 563          | rBV2     | 89251          | 356210        | 38.42%          | 4.165%        |
| 19        | 5.056       | 632           | 651         | 667          | rBV      | 121890         | 390138        | 42.08%          | 4.562%        |
| 20        | 5.214       | 676           | 677         | 683          | rVB2     | 466            | 613           | 0.07%           | 0.007%        |
| 21        | 5.379       | 694           | 704         | 717          | rBV3     | 11263          | 34583         | 3.73%           | 0.404%        |
| 22        | 5.544       | 728           | 731         | 736          | rBV4     | 414            | 789           | 0.09%           | 0.009%        |
| 23        | 5.678       | 750           | 753         | 757          | rBV2     | 151            | 260           | 0.03%           | 0.003%        |
| 24        | 5.714       | 757           | 759         | 762          | rBV      | 172            | 223           | 0.02%           | 0.003%        |
| 25        | 5.964       | 788           | 800         | 820          | rBV2     | 302640         | 927243        | 100.00%         | 10.843%       |
| 26        | 6.318       | 855           | 858         | 859          | rBV2     | 317            | 358           | 0.04%           | 0.004%        |
| 27        | 6.391       | 866           | 870         | 872          | rBV2     | 219            | 264           | 0.03%           | 0.003%        |
| 28        | 6.409       | 872           | 873         | 879          | rVB2     | 265            | 399           | 0.04%           | 0.005%        |
| 29        | 6.464       | 879           | 882         | 884          | rBV3     | 319            | 396           | 0.04%           | 0.005%        |
| 30        | 6.757       | 920           | 930         | 952          | rBV      | 224417         | 539682        | 58.20%          | 6.311%        |
| 31        | 7.129       | 982           | 991         | 1006         | rBV2     | 37517          | 87278         | 9.41%           | 1.021%        |
| 32        | 7.226       | 1006          | 1007        | 1011         | rVB2     | 370            | 289           | 0.03%           | 0.003%        |
| 33        | 7.306       | 1011          | 1020        | 1035         | rBV      | 185511         | 418657        | 45.15%          | 4.896%        |
| 34        | 7.434       | 1037          | 1041        | 1050         | rVB6     | 3701           | 7710          | 0.83%           | 0.090%        |
| 35        | 7.610       | 1067          | 1070        | 1071         | rBV      | 236            | 225           | 0.02%           | 0.003%        |
| 36        | 7.885       | 1113          | 1115        | 1116         | rVV2     | 549            | 411           | 0.04%           | 0.005%        |

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 Sample : 05844-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHG6

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.903  | 1116 | 1118 | 1123 | rVB3 | 558    | 675    | 0.07%  | 0.008% |
| 38 | 8.250  | 1172 | 1175 | 1176 | rBV  | 389    | 298    | 0.03%  | 0.003% |
| 39 | 8.324  | 1181 | 1187 | 1202 | rBV  | 131116 | 220780 | 23.81% | 2.582% |
| 40 | 8.574  | 1223 | 1228 | 1233 | rBV5 | 883    | 1458   | 0.16%  | 0.017% |
| 41 | 8.647  | 1233 | 1240 | 1256 | rBV  | 466181 | 735522 | 79.32% | 8.601% |
| 42 | 8.945  | 1284 | 1289 | 1301 | rBV  | 95967  | 146015 | 15.75% | 1.707% |
| 43 | 9.159  | 1323 | 1324 | 1330 | rVB3 | 302    | 327    | 0.04%  | 0.004% |
| 44 | 9.275  | 1338 | 1343 | 1348 | rBV2 | 2608   | 3324   | 0.36%  | 0.039% |
| 45 | 9.378  | 1355 | 1360 | 1377 | rBV  | 374921 | 542671 | 58.53% | 6.346% |
| 46 | 9.610  | 1394 | 1398 | 1407 | rBV  | 12445  | 19910  | 2.15%  | 0.233% |
| 47 | 10.049 | 1465 | 1470 | 1485 | rBV  | 458803 | 662634 | 71.46% | 7.749% |
| 48 | 10.299 | 1509 | 1511 | 1513 | rBV2 | 727    | 725    | 0.08%  | 0.008% |
| 49 | 10.512 | 1543 | 1546 | 1547 | rBV  | 263    | 216    | 0.02%  | 0.003% |
| 50 | 10.652 | 1565 | 1569 | 1570 | rBV2 | 979    | 1323   | 0.14%  | 0.015% |
| 51 | 10.780 | 1588 | 1590 | 1592 | rVV  | 222    | 194    | 0.02%  | 0.002% |
| 52 | 10.963 | 1615 | 1620 | 1624 | rVB2 | 991    | 1133   | 0.12%  | 0.013% |
| 53 | 11.018 | 1624 | 1629 | 1635 | rBV3 | 1875   | 3146   | 0.34%  | 0.037% |
| 54 | 11.091 | 1637 | 1641 | 1645 | rVB3 | 716    | 889    | 0.10%  | 0.010% |
| 55 | 11.189 | 1652 | 1657 | 1668 | rBV  | 350330 | 442194 | 47.69% | 5.171% |
| 56 | 11.311 | 1673 | 1677 | 1683 | rVB2 | 2074   | 3184   | 0.34%  | 0.037% |
| 57 | 11.390 | 1688 | 1690 | 1695 | rVB  | 224    | 207    | 0.02%  | 0.002% |
| 58 | 11.457 | 1697 | 1701 | 1705 | rBV3 | 893    | 1233   | 0.13%  | 0.014% |
| 59 | 11.756 | 1747 | 1750 | 1755 | rVB3 | 998    | 1309   | 0.14%  | 0.015% |
| 60 | 11.817 | 1757 | 1760 | 1763 | rBV2 | 185    | 238    | 0.03%  | 0.003% |
| 61 | 11.890 | 1770 | 1772 | 1776 | rVB2 | 195    | 291    | 0.03%  | 0.003% |
| 62 | 11.969 | 1779 | 1785 | 1788 | rBV4 | 1164   | 1799   | 0.19%  | 0.021% |
| 63 | 12.018 | 1788 | 1793 | 1805 | rBV  | 533308 | 678204 | 73.14% | 7.931% |
| 64 | 12.225 | 1825 | 1827 | 1833 | rVB4 | 395    | 602    | 0.06%  | 0.007% |
| 65 | 12.280 | 1833 | 1836 | 1837 | rBV  | 265    | 255    | 0.03%  | 0.003% |
| 66 | 12.317 | 1837 | 1842 | 1855 | rBV  | 494297 | 636894 | 68.69% | 7.448% |
| 67 | 12.548 | 1876 | 1880 | 1883 | rVV3 | 447    | 605    | 0.07%  | 0.007% |
| 68 | 12.579 | 1883 | 1885 | 1887 | rVV2 | 242    | 223    | 0.02%  | 0.003% |
| 69 | 12.689 | 1900 | 1903 | 1905 | rBV2 | 297    | 290    | 0.03%  | 0.003% |
| 70 | 12.762 | 1911 | 1915 | 1920 | rVV2 | 886    | 1197   | 0.13%  | 0.014% |
| 71 | 12.841 | 1927 | 1928 | 1931 | rBV2 | 246    | 257    | 0.03%  | 0.003% |
| 72 | 13.115 | 1968 | 1973 | 1977 | rVV4 | 1207   | 1333   | 0.14%  | 0.016% |
| 73 | 13.207 | 1986 | 1988 | 1993 | rVB2 | 184    | 209    | 0.02%  | 0.002% |
| 74 | 13.298 | 1999 | 2003 | 2005 | rBV2 | 799    | 1022   | 0.11%  | 0.012% |
| 75 | 13.359 | 2010 | 2013 | 2016 | rVB2 | 244    | 253    | 0.03%  | 0.003% |
| 76 | 13.432 | 2020 | 2025 | 2031 | rBV4 | 886    | 1739   | 0.19%  | 0.020% |

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 Sample : 05844-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHG6

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  | 13.506 | 2036 | 2037 | 2041 | rVB2 | 318  | 236  | 0.03% | 0.003% |
| 78  | 13.591 | 2047 | 2051 | 2059 | rVB3 | 2485 | 2916 | 0.31% | 0.034% |
| 79  | 13.658 | 2059 | 2062 | 2064 | rBV2 | 236  | 245  | 0.03% | 0.003% |
| 80  | 13.780 | 2077 | 2082 | 2091 | rVB  | 2235 | 3231 | 0.35% | 0.038% |
| 81  | 13.920 | 2102 | 2105 | 2107 | rVV2 | 226  | 311  | 0.03% | 0.004% |
| 82  | 13.957 | 2109 | 2111 | 2117 | rVV2 | 1480 | 2233 | 0.24% | 0.026% |
| 83  | 14.018 | 2119 | 2121 | 2124 | rVB  | 250  | 229  | 0.02% | 0.003% |
| 84  | 14.127 | 2136 | 2139 | 2144 | rVB2 | 659  | 1042 | 0.11% | 0.012% |
| 85  | 14.219 | 2151 | 2154 | 2156 | rBV2 | 249  | 288  | 0.03% | 0.003% |
| 86  | 14.347 | 2173 | 2175 | 2180 | rBV  | 279  | 394  | 0.04% | 0.005% |
| 87  | 14.432 | 2187 | 2189 | 2194 | rVV2 | 279  | 457  | 0.05% | 0.005% |
| 88  | 14.499 | 2198 | 2200 | 2203 | rBV2 | 244  | 250  | 0.03% | 0.003% |
| 89  | 14.609 | 2213 | 2218 | 2222 | rVV2 | 1804 | 2575 | 0.28% | 0.030% |
| 90  | 14.829 | 2252 | 2254 | 2257 | rBV2 | 334  | 472  | 0.05% | 0.006% |
| 91  | 15.121 | 2299 | 2302 | 2303 | rBV2 | 398  | 393  | 0.04% | 0.005% |
| 92  | 15.164 | 2307 | 2309 | 2312 | rVV2 | 262  | 270  | 0.03% | 0.003% |
| 93  | 15.981 | 2441 | 2443 | 2447 | rBV3 | 278  | 277  | 0.03% | 0.003% |
| 94  | 16.023 | 2449 | 2450 | 2451 | rBV  | 399  | 212  | 0.02% | 0.002% |
| 95  | 16.249 | 2485 | 2487 | 2488 | rBV  | 270  | 202  | 0.02% | 0.002% |
| 96  | 16.389 | 2508 | 2510 | 2512 | rBV  | 253  | 225  | 0.02% | 0.003% |
| 97  | 16.420 | 2512 | 2515 | 2516 | rVV3 | 258  | 290  | 0.03% | 0.003% |
| 98  | 16.450 | 2518 | 2520 | 2522 | rBV2 | 386  | 253  | 0.03% | 0.003% |
| 99  | 16.706 | 2560 | 2562 | 2566 | rBV2 | 338  | 526  | 0.06% | 0.006% |
| 100 | 16.755 | 2568 | 2570 | 2573 | rBV2 | 319  | 355  | 0.04% | 0.004% |

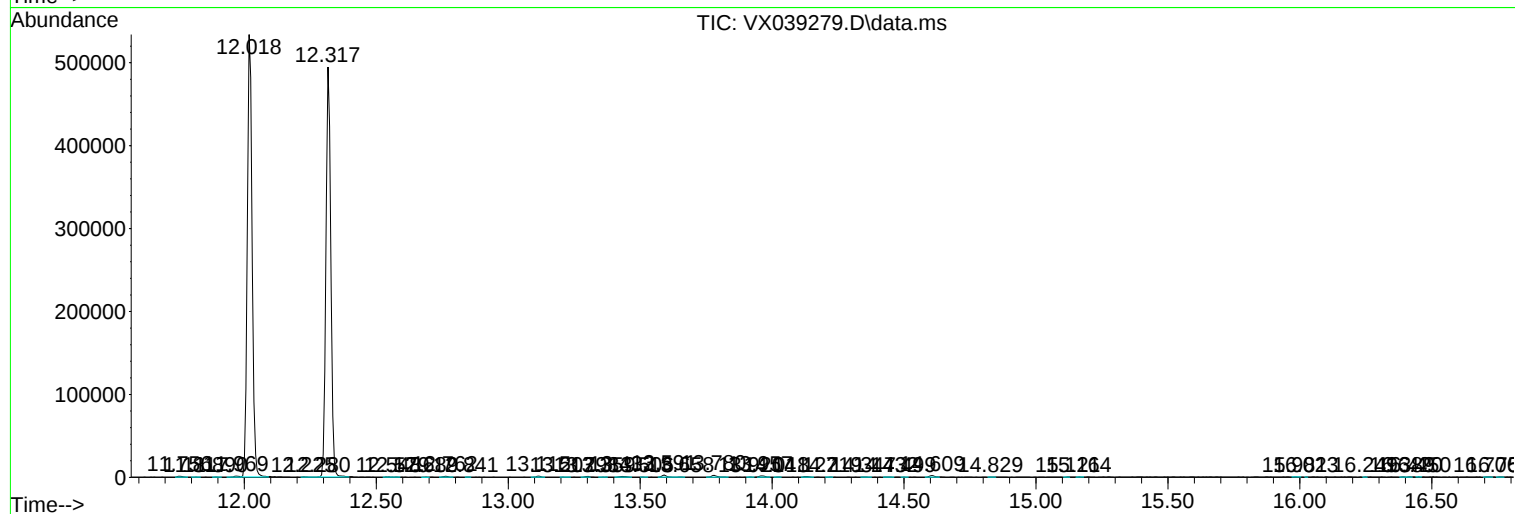
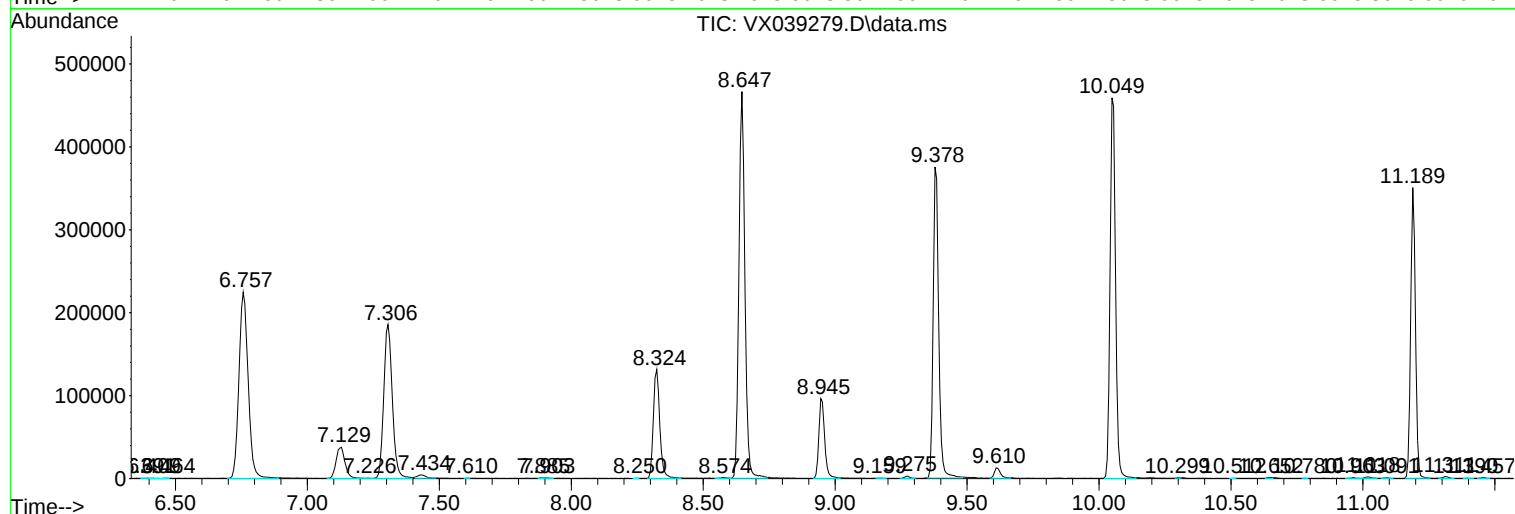
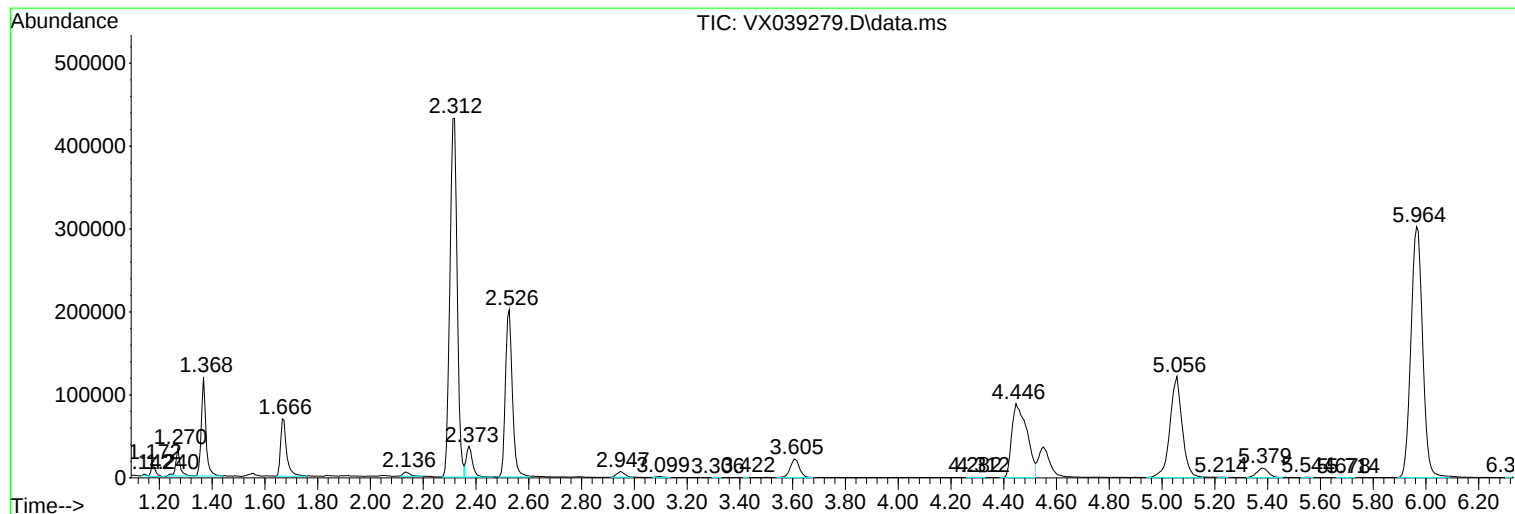
Sum of corrected areas: 8551631

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
Data File : VX039279.D  
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Sample : 05844-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHG6

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\  
Data File : VX039279.D  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHG6

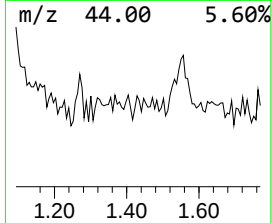
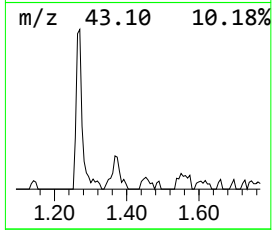
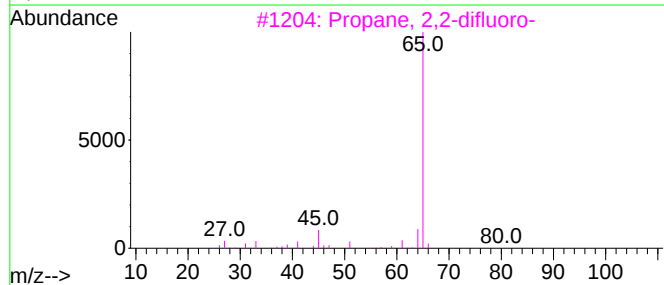
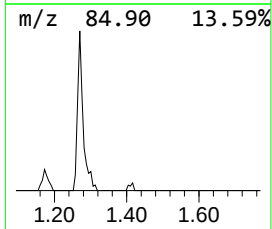
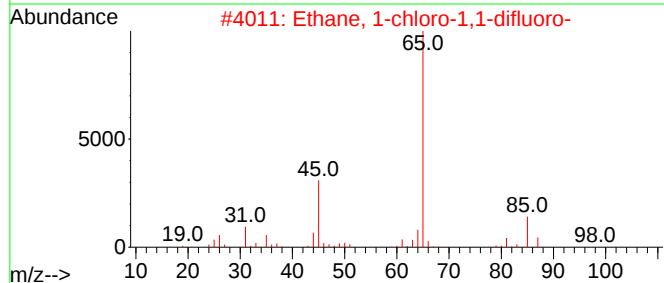
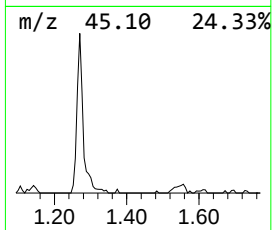
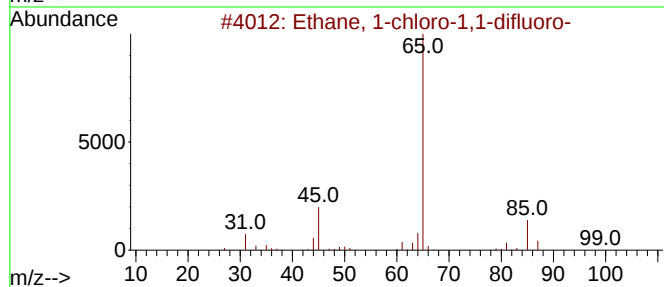
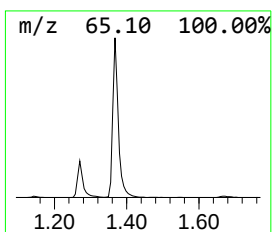
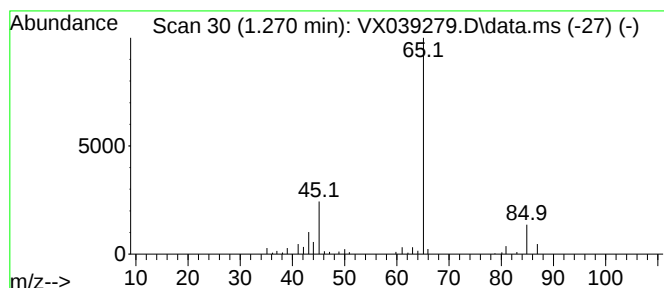
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Ethane, 1-chloro-1,1-difluoro- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.270 | 3.33 ug/L | 35960 | 1,4-Difluorobenzene | 6.757 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 83   |
| 2    |    |   | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 74   |
| 3    |    |   | Propane, 2,2-difluoro-         | 80  | C3H6F2   | 000420-45-1 | 9    |
| 4    |    |   | Propane, 2,2-difluoro-         | 80  | C3H6F2   | 000420-45-1 | 4    |
| 5    |    |   | 2,2-Difluoropropionic acid     | 110 | C3H4F2O2 | 000373-96-6 | 2    |



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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHG6

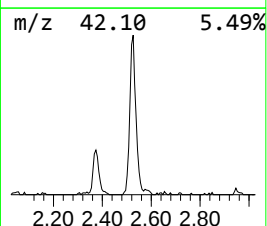
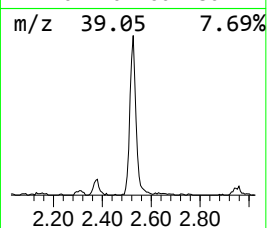
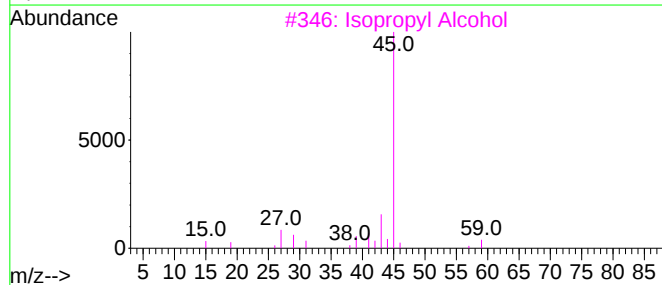
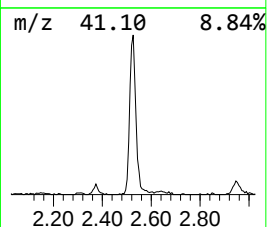
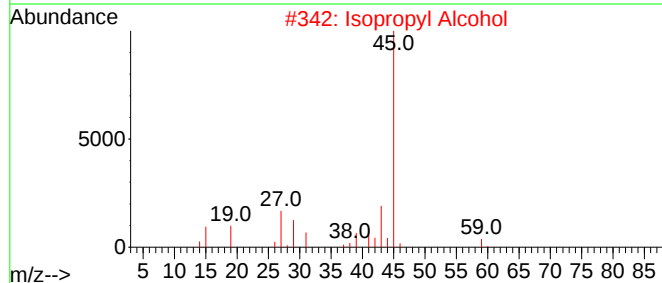
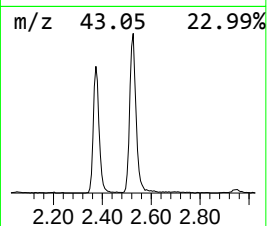
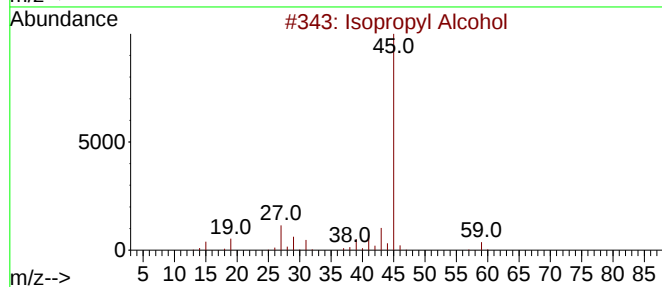
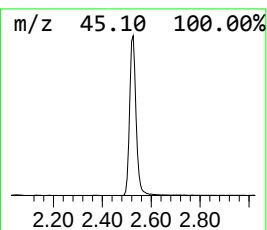
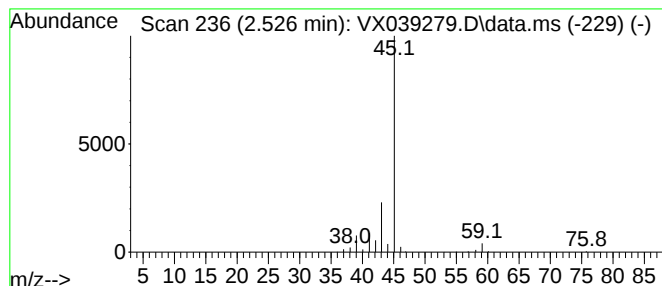
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 2.526 | 33.89 ug/L | 365803 | 1,4-Difluorobenzene | 6.757 |

| 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 | 78   |
| 3    |    |   | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 56   |
| 4    |    |   | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 56   |
| 5    |    |   | Hydrazine, ethyl-  | 60 | C2H8N2  | 000624-80-6 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
Data File : VX039279.D  
Acq On : 16 Dec 2023 10:54  
Operator : JC/MD  
Sample : 05844-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHG6

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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethane, 1-chlor... | 1.270 | 3.3     | ug/L  | 35960    | 1                     | 6.757 | 539682 | 50.0 |
| Isopropyl Alcohol  | 2.526 | 33.9    | ug/L  | 365803   | 1                     | 6.757 | 539682 | 50.0 |