LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039280.D
Acq On : 16 Dec 2023 11:17
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

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: VX039280.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.173 | 11 | 14 | 22 | rVB | 9042 | 11479 | 0.93% | 0.130% |
| 2 | 1.240 | 23 | 25 | 26 | rVV | 3317 | 2349 | 0.19% | 0.027% |
| 3 | 1.270 | 27 | 30 | 41 | rVV | 27799 | 31291 | 2.53% | 0.354% |
| 4 | 1.368 | 41 | 46 | 58 | rVB | 117264 | 134269 | 10.85% | 1.520% |
| 5 | 1.666 | 91 | 95 | 115 | rVB | 74106 | 109177 | 8.82% | 1.236% |
| 6 | 2.136 | 168 | 172 | 179 | rVB3 | 8670 | 13817 | 1.12% | 0.156% |
| 7 | 2.319 | 194 | 202 | 208 | rBV2 | 697828 | 1237864 | 100.00% | 14.014% |
| 8 | 2.374 | 208 | 211 | 224 | rVB | 50834 | 85831 | 6.93% | 0.972% |
| 9 | 2.526 | 229 | 236 | 256 | rBV | 208899 | 371421 | 30.00% | 4.205% |
| 10 | 2.947 | 299 | 305 | 318 | rVB2 | 7296 | 16852 | 1.36% | 0.191% |
| 11 | 3.093 | 325 | 329 | 333 | rBV2 | 1211 | 1814 | 0.15% | 0.021% |
| 12 | 3.611 | 404 | 414 | 424 | rBV | 36646 | 86540 | 6.99% | 0.980% |
| 13 | 3.721 | 430 | 432 | 435 | rBV | 198 | 237 | 0.02% | 0.003% |
| 14 | 4.026 | 480 | 482 | 486 | rBV2 | 216 | 339 | 0.03% | 0.004% |
| 15 | 4.367 | 537 | 538 | 541 | rBV2 | 235 | 247 | 0.02% | 0.003% |
| 16 | 4.452 | 541 | 552 | 554 | rBV | 91733 | 201392 | 16.27% | 2.280% |
| 17 | 4.702 | 591 | 593 | 595 | rVB3 | 513 | 295 | 0.02% | 0.003% |
| 18 | 4.721 | 595 | 596 | 598 | rBV2 | 492 | 230 | 0.02% | 0.003% |
| 19 | 5.056 | 632 | 651 | 668 | rBV | 124301 | 396376 | 32.02% | 4.488% |
| 20 | 5.385 | 692 | 705 | 715 | rBV3 | 21561 | 65854 | 5.32% | 0.746% |
| 21 | 5.556 | 728 | 733 | 734 | rBV | 810 | 1035 | 0.08% | 0.012% |
| 22 | 5.964 | 788 | 800 | 818 | rBV2 | 299526 | 918259 | 74.18% | 10.396% |
| 23 | 6.178 | 834 | 835 | 839 | rBV2 | 297 | 312 | 0.03% | 0.004% |
| 24 | 6.300 | 852 | 855 | 859 | rVB2 | 260 | 389 | 0.03% | 0.004% |
| 25 | 6.763 | 920 | 931 | 946 | rBV | 218899 | 536581 | 43.35% | 6.075% |
| 26 | 7.129 | 983 | 991 | 1005 | rVB2 | 35199 | 79110 | 6.39% | 0.896% |
| 27 | 7.306 | 1010 | 1020 | 1036 | rBV | 186402 | 418267 | 33.79% | 4.735% |
| 28 | 7.434 | 1036 | 1041 | 1051 | rVV5 | 5707 | 13044 | 1.05% | 0.148% |
| 29 | 7.501 | 1051 | 1052 | 1053 | rVB | 599 | 219 | 0.02% | 0.002% |
| 30 | 7.775 | 1094 | 1097 | 1099 | rVV | 328 | 375 | 0.03% | 0.004% |
| 31 | 7.903 | 1114 | 1118 | 1120 | rBV3 | 492 | 903 | 0.07% | 0.010% |
| 32 | 8.324 | 1181 | 1187 | 1203 | rVB | 133634 | 220525 | 17.81% | 2.497% |
| 33 | 8.580 | 1227 | 1229 | 1234 | rBV3 | 382 | 383 | 0.03% | 0.004% |
| 34 | 8.647 | 1234 | 1240 | 1257 | rBV | 466248 | 732668 | 59.19% | 8.295% |
| 35 | 8.866 | 1273 | 1276 | 1277 | rBV3 | 246 | 251 | 0.02% | 0.003% |
| 36 | 8.952 | 1284 | 1290 | 1299 | rBV | 93372 | 144904 | 11.71% | 1.641% |

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Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

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 | 9.104 | 1314 | 1315 | 1318 | rVB | 301 | 228 | 0.02% | 0.003% |
| 38 | 9.275 | 1339 | 1343 | 1348 | rBV | 2172 | 3001 | 0.24% | 0.034% |
| 39 | 9.385 | 1355 | 1361 | 1387 | rVB | 368568 | 553588 | 44.72% | 6.267% |
| 40 | 9.848 | 1433 | 1437 | 1440 | rVV2 | 181 | 276 | 0.02% | 0.003% |
| 41 | 9.878 | 1440 | 1442 | 1445 | rVB2 | 240 | 243 | 0.02% | 0.003% |
| 42 | 9.915 | 1445 | 1448 | 1449 | rBV | 303 | 221 | 0.02% | 0.003% |
| 43 | 9.939 | 1449 | 1452 | 1456 | rVB | 256 | 341 | 0.03% | 0.004% |
| 44 | 10.055 | 1465 | 1471 | 1483 | rBV | 454870 | 660930 | 53.39% | 7.483% |
| 45 | 10.201 | 1492 | 1495 | 1499 | rVB3 | 807 | 1070 | 0.09% | 0.012% |
| 46 | 10.305 | 1508 | 1512 | 1518 | rVB3 | 897 | 1644 | 0.13% | 0.019% |
| 47 | 10.384 | 1523 | 1525 | 1529 | rVV | 220 | 288 | 0.02% | 0.003% |
| 48 | 10.653 | 1565 | 1569 | 1576 | rBV6 | 1061 | 2316 | 0.19% | 0.026% |
| 49 | 10.884 | 1604 | 1607 | 1610 | rVB2 | 141 | 235 | 0.02% | 0.003% |
| 50 | 10.963 | 1617 | 1620 | 1625 | rVB2 | 721 | 829 | 0.07% | 0.009% |
| 51 | 11.012 | 1625 | 1628 | 1637 | rVB2 | 1954 | 2910 | 0.24% | 0.033% |
| 52 | 11.092 | 1637 | 1641 | 1646 | rVB3 | 798 | 1431 | 0.12% | 0.016% |
| 53 | 11.189 | 1651 | 1657 | 1666 | rBV | 345729 | 442825 | 35.77% | 5.013% |
| 54 | 11.311 | 1673 | 1677 | 1682 | rVB3 | 2003 | 2651 | 0.21% | 0.030% |
| 55 | 11.457 | 1696 | 1701 | 1704 | rBV | 783 | 1125 | 0.09% | 0.013% |
| 56 | 11.543 | 1713 | 1715 | 1718 | rVB2 | 227 | 234 | 0.02% | 0.003% |
| 57 | 11.573 | 1718 | 1720 | 1724 | rBV2 | 255 | 375 | 0.03% | 0.004% |
| 58 | 11.707 | 1741 | 1742 | 1746 | rVV2 | 225 | 229 | 0.02% | 0.003% |
| 59 | 11.756 | 1746 | 1750 | 1756 | rVV2 | 1065 | 1458 | 0.12% | 0.017% |
| 60 | 11.969 | 1782 | 1785 | 1788 | rBV4 | 903 | 1252 | 0.10% | 0.014% |
| 61 | 12.018 | 1788 | 1793 | 1803 | rBV | 525463 | 668188 | 53.98% | 7.565% |
| 62 | 12.183 | 1818 | 1820 | 1825 | rBV3 | 179 | 285 | 0.02% | 0.003% |
| 63 | 12.225 | 1825 | 1827 | 1831 | rVB2 | 278 | 257 | 0.02% | 0.003% |
| 64 | 12.317 | 1837 | 1842 | 1857 | rBV | 492620 | 629629 | 50.86% | 7.128% |
| 65 | 12.542 | 1877 | 1879 | 1883 | rVB2 | 252 | 252 | 0.02% | 0.003% |
| 66 | 12.585 | 1883 | 1886 | 1889 | rBV2 | 247 | 297 | 0.02% | 0.003% |
| 67 | 12.762 | 1911 | 1915 | 1919 | rVB3 | 749 | 1018 | 0.08% | 0.012% |
| 68 | 12.823 | 1922 | 1925 | 1927 | rVB | 225 | 248 | 0.02% | 0.003% |
| 69 | 12.853 | 1927 | 1930 | 1933 | rBV2 | 189 | 277 | 0.02% | 0.003% |
| 70 | 12.951 | 1944 | 1946 | 1950 | rBV | 267 | 362 | 0.03% | 0.004% |
| 71 | 13.116 | 1968 | 1973 | 1977 | rVB3 | 929 | 1202 | 0.10% | 0.014% |
| 72 | 13.298 | 2001 | 2003 | 2006 | rVB | 268 | 229 | 0.02% | 0.003% |
| 73 | 13.390 | 2017 | 2018 | 2020 | rBV | 305 | 215 | 0.02% | 0.002% |
| 74 | 13.426 | 2021 | 2024 | 2030 | rVB3 | 983 | 1407 | 0.11% | 0.016% |
| 75 | 13.591 | 2047 | 2051 | 2056 | rBV3 | 1433 | 1837 | 0.15% | 0.021% |
| 76 | 13.707 | 2068 | 2070 | 2075 | rBV2 | 173 | 270 | 0.02% | 0.003% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039280.D
Acq On : 16 Dec 2023 11:17
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** YCHG7

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.780 | 2078 | 2082 | 2085 | rVV2 | 1367 | 1640 | 0.13% | 0.019% |
| 78 | 13.847 | 2092 | 2093 | 2098 | rVB2 | 229 | 242 | 0.02% | 0.003% |
| 79 | 13.890 | 2098 | 2100 | 2104 | rBV2 | 182 | 270 | 0.02% | 0.003% |
| 80 | 13.963 | 2106 | 2112 | 2115 | rBV4 | 1316 | 1671 | 0.13% | 0.019% |
| 81 | 14.128 | 2133 | 2139 | 2145 | rVB3 | 897 | 1576 | 0.13% | 0.018% |
| 82 | 14.231 | 2154 | 2156 | 2159 | rBV2 | 180 | 232 | 0.02% | 0.003% |
| 83 | 14.317 | 2168 | 2170 | 2172 | rBV2 | 337 | 281 | 0.02% | 0.003% |
| 84 | 14.347 | 2172 | 2175 | 2176 | rVV2 | 206 | 237 | 0.02% | 0.003% |
| 85 | 14.445 | 2190 | 2191 | 2196 | rVB2 | 312 | 457 | 0.04% | 0.005% |
| 86 | 14.493 | 2196 | 2199 | 2200 | rBV | 312 | 316 | 0.03% | 0.004% |
| 87 | 14.603 | 2214 | 2217 | 2221 | rVV3 | 933 | 1327 | 0.11% | 0.015% |
| 88 | 14.640 | 2221 | 2223 | 2225 | rVV2 | 295 | 232 | 0.02% | 0.003% |
| 89 | 14.731 | 2236 | 2238 | 2240 | rVB2 | 295 | 229 | 0.02% | 0.003% |
| 90 | 14.762 | 2240 | 2243 | 2246 | rVB3 | 304 | 436 | 0.04% | 0.005% |
| 91 | 14.847 | 2256 | 2257 | 2261 | rVB3 | 293 | 312 | 0.03% | 0.004% |
| 92 | 15.188 | 2309 | 2313 | 2314 | rBV3 | 291 | 268 | 0.02% | 0.003% |
| 93 | 15.304 | 2331 | 2332 | 2336 | rBV2 | 244 | 236 | 0.02% | 0.003% |
| 94 | 15.347 | 2338 | 2339 | 2342 | rBV | 327 | 283 | 0.02% | 0.003% |
| 95 | 15.383 | 2343 | 2345 | 2347 | rVV3 | 327 | 248 | 0.02% | 0.003% |
| 96 | 15.969 | 2439 | 2441 | 2444 | rVB2 | 601 | 448 | 0.04% | 0.005% |
| 97 | 16.206 | 2478 | 2480 | 2484 | rVB2 | 286 | 323 | 0.03% | 0.004% |
| 98 | 16.261 | 2488 | 2489 | 2492 | rBV3 | 287 | 236 | 0.02% | 0.003% |
| 99 | 16.414 | 2512 | 2514 | 2516 | rBV | 402 | 377 | 0.03% | 0.004% |
| 100 | 16.670 | 2555 | 2556 | 2560 | rBV2 | 265 | 294 | 0.02% | 0.003% |

Sum of corrected areas: 8832743

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039280.D
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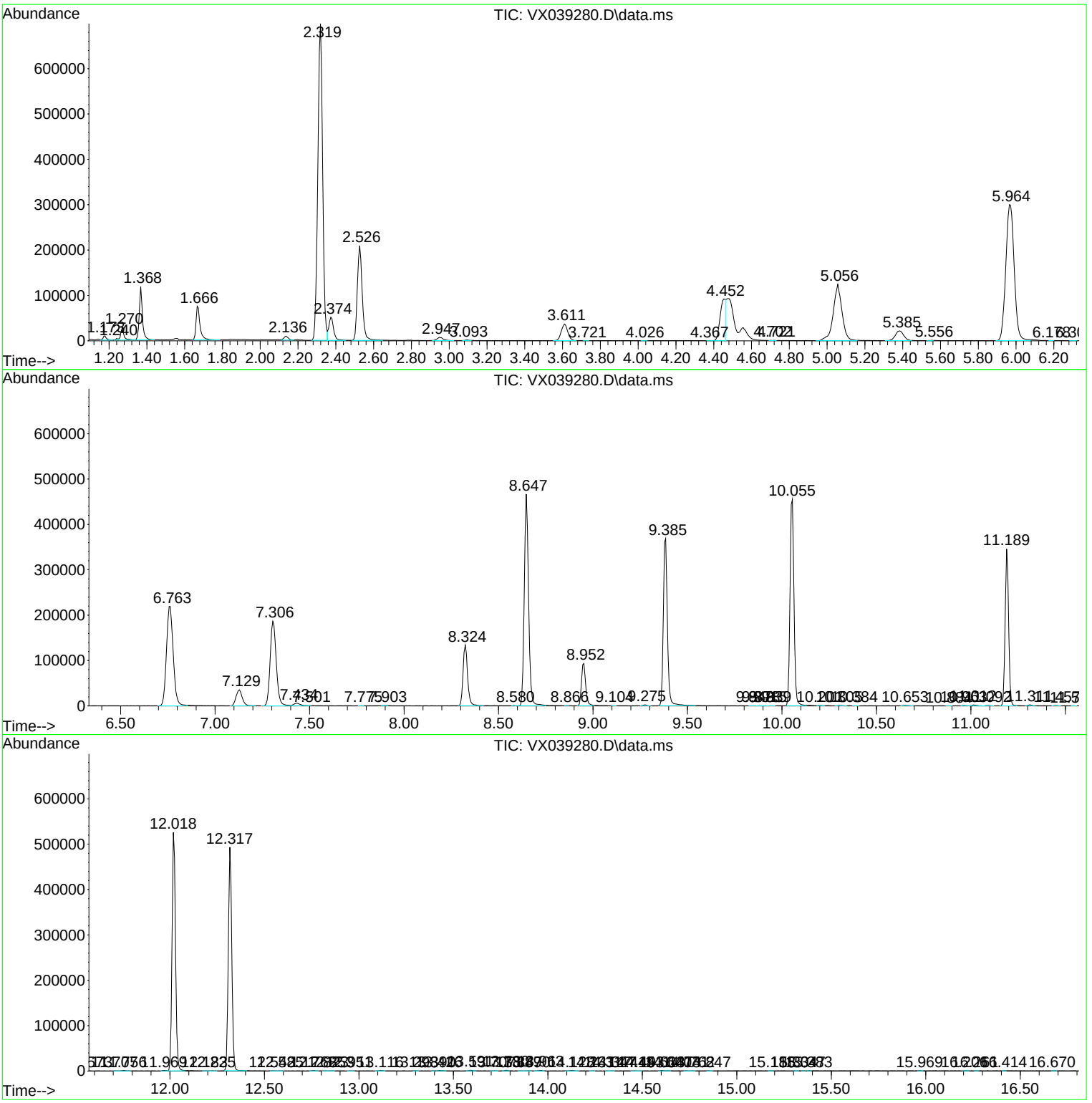
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039280.D
Acq On : 16 Dec 2023 11:17
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

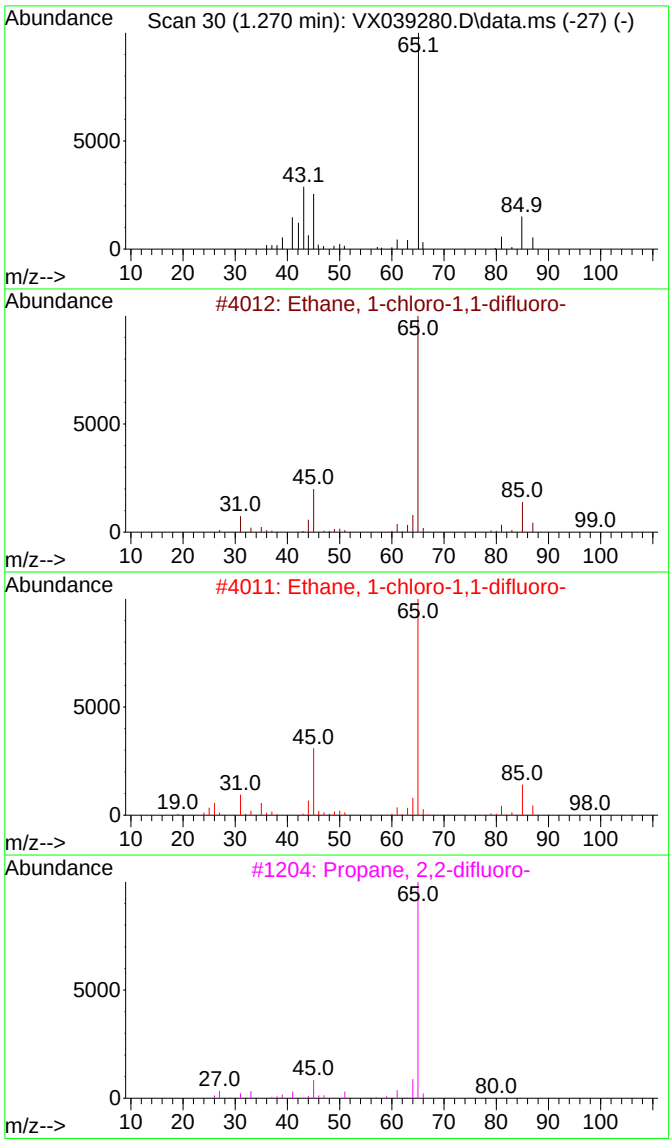
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis

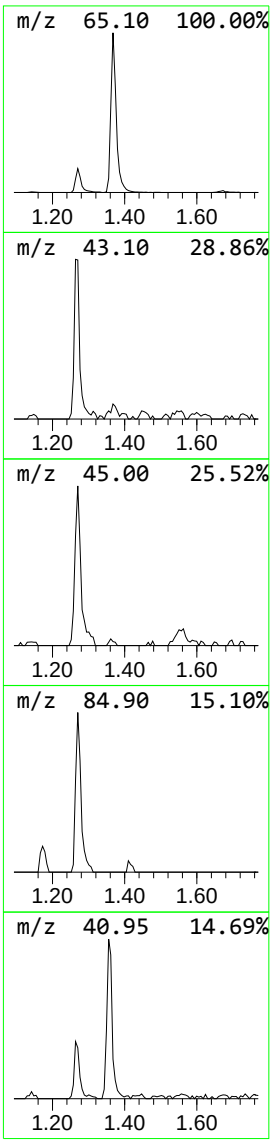
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.270 | 2.92 ug/L | 31291 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 90 |
| 2 | Ethane, 1-chloro-1,1-difluoro- | 100 | C2H3ClF2 | 000075-68-3 | 83 |
| 3 | Propane, 2,2-difluoro- | 80 | C3H6F2 | 000420-45-1 | 9 |
| 4 | 2,2-Difluoropropionic acid | 110 | C3H4F2O2 | 000373-96-6 | 4 |
| 5 | Propane, 2,2-difluoro- | 80 | C3H6F2 | 000420-45-1 | 4 |



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Data File : VX039280.D
Acq On : 16 Dec 2023 11:17
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

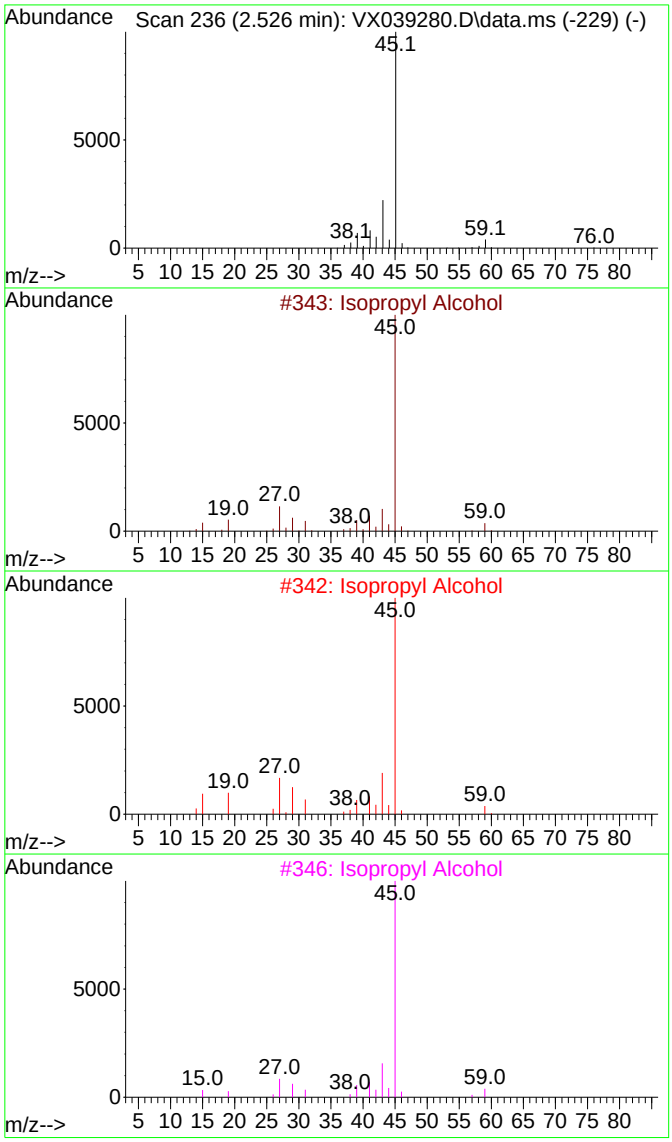
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis

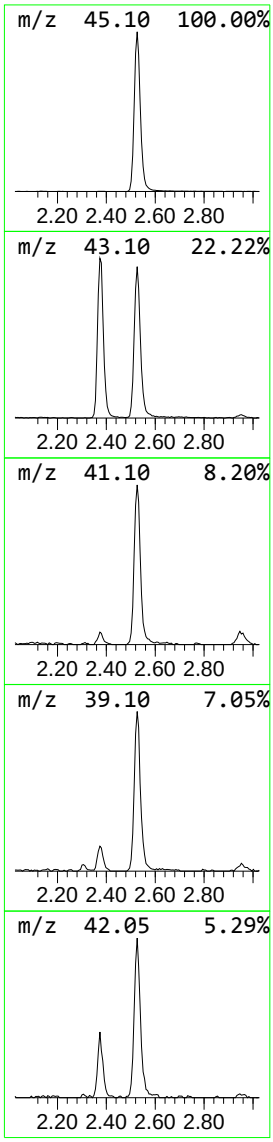
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.526 | 34.61 ug/L | 371421 | 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 | 78 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 56 |
| 5 | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3 | 000547-64-8 | 40 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
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Acq On : 16 Dec 2023 11:17
Operator : JC/MD
Sample : 05844-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
YCHG7

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Ethane, 1-chlor... | 1.270 | 2.9 | ug/L | 31291 | 1 | 6.763 | 536581 | 50.0 |
| Isopropyl Alcohol | 2.526 | 34.6 | ug/L | 371421 | 1 | 6.763 | 536581 | 50.0 |