

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121724\  
 Data File : VX044352.D  
 Acq On : 17 Dec 2024 15:27  
 Operator : JC/MD  
 Sample : P5235-13 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0AX5

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\_X\Method\SFAMXLM120524WMA.M  
 Title : VOC Analysis

Signal : TIC: VX044352.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         | 1.368       | 42            | 46          | 57           | rVB      | 117382         | 131378        | 12.92%          | 1.717%        |
| 2         | 1.648       | 89            | 92          | 99           | rVB      | 112926         | 142203        | 13.98%          | 1.859%        |
| 3         | 2.294       | 193           | 198         | 209          | rBV      | 189545         | 303733        | 29.86%          | 3.970%        |
| 4         | 2.538       | 235           | 238         | 239          | rBV2     | 918            | 964           | 0.09%           | 0.013%        |
| 5         | 2.563       | 239           | 242         | 246          | rVV3     | 2389           | 3225          | 0.32%           | 0.042%        |
| 6         | 2.685       | 260           | 262         | 264          | rBV2     | 541            | 558           | 0.05%           | 0.007%        |
| 7         | 2.788       | 274           | 279         | 285          | rVB5     | 1849           | 3352          | 0.33%           | 0.044%        |
| 8         | 2.855       | 288           | 290         | 294          | rVB3     | 920            | 709           | 0.07%           | 0.009%        |
| 9         | 2.947       | 294           | 305         | 315          | rBV      | 14057          | 34243         | 3.37%           | 0.448%        |
| 10        | 3.154       | 336           | 339         | 340          | rBV      | 607            | 451           | 0.04%           | 0.006%        |
| 11        | 3.172       | 340           | 342         | 344          | rBV2     | 460            | 539           | 0.05%           | 0.007%        |
| 12        | 3.306       | 362           | 364         | 366          | rBV2     | 610            | 482           | 0.05%           | 0.006%        |
| 13        | 3.367       | 371           | 374         | 376          | rBV3     | 559            | 508           | 0.05%           | 0.007%        |
| 14        | 3.434       | 381           | 385         | 391          | rVB4     | 2188           | 4625          | 0.45%           | 0.060%        |
| 15        | 3.501       | 393           | 396         | 398          | rBV3     | 504            | 540           | 0.05%           | 0.007%        |
| 16        | 3.867       | 454           | 456         | 459          | rVB3     | 599            | 529           | 0.05%           | 0.007%        |
| 17        | 3.977       | 471           | 474         | 475          | rVB2     | 715            | 614           | 0.06%           | 0.008%        |
| 18        | 3.995       | 475           | 477         | 478          | rBV      | 720            | 575           | 0.06%           | 0.008%        |
| 19        | 4.093       | 490           | 493         | 494          | rBV3     | 614            | 602           | 0.06%           | 0.008%        |
| 20        | 4.178       | 504           | 507         | 509          | rVB2     | 683            | 762           | 0.07%           | 0.010%        |
| 21        | 4.209       | 509           | 512         | 513          | rBV      | 934            | 630           | 0.06%           | 0.008%        |
| 22        | 4.233       | 514           | 516         | 519          | rVV2     | 604            | 597           | 0.06%           | 0.008%        |
| 23        | 4.294       | 522           | 526         | 528          | rVV3     | 557            | 669           | 0.07%           | 0.009%        |
| 24        | 4.465       | 543           | 554         | 569          | rBV      | 72105          | 219421        | 21.57%          | 2.868%        |
| 25        | 5.056       | 640           | 651         | 669          | rVV2     | 137932         | 431862        | 42.46%          | 5.645%        |
| 26        | 5.251       | 681           | 683         | 685          | rVB      | 562            | 453           | 0.04%           | 0.006%        |
| 27        | 5.660       | 747           | 750         | 752          | rBV2     | 507            | 511           | 0.05%           | 0.007%        |
| 28        | 5.733       | 761           | 762         | 765          | rVB3     | 788            | 570           | 0.06%           | 0.007%        |
| 29        | 5.769       | 765           | 768         | 771          | rVB3     | 444            | 598           | 0.06%           | 0.008%        |
| 30        | 5.849       | 777           | 781         | 782          | rBV2     | 522            | 695           | 0.07%           | 0.009%        |
| 31        | 5.964       | 789           | 800         | 825          | rBV2     | 337395         | 1017078       | 100.00%         | 13.295%       |
| 32        | 6.355       | 856           | 864         | 875          | rBV2     | 6186           | 18177         | 1.79%           | 0.238%        |
| 33        | 6.428       | 875           | 876         | 878          | rBV2     | 746            | 501           | 0.05%           | 0.007%        |
| 34        | 6.647       | 911           | 912         | 915          | rBV2     | 611            | 660           | 0.06%           | 0.009%        |
| 35        | 6.757       | 919           | 930         | 946          | rBV      | 250368         | 609640        | 59.94%          | 7.969%        |
| 36        | 6.995       | 967           | 969         | 970          | rBV2     | 686            | 452           | 0.04%           | 0.006%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

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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\_X\Method\SFAMXLM120524WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.117  | 984  | 989  | 991  | rBV5 | 2070   | 3527   | 0.35%  | 0.046% |
| 38 | 7.306  | 1011 | 1020 | 1036 | rBV  | 209075 | 473800 | 46.58% | 6.193% |
| 39 | 7.623  | 1070 | 1072 | 1073 | rBV2 | 546    | 450    | 0.04%  | 0.006% |
| 40 | 7.659  | 1075 | 1078 | 1083 | rVV3 | 3017   | 4747   | 0.47%  | 0.062% |
| 41 | 7.702  | 1083 | 1085 | 1087 | rVV3 | 964    | 943    | 0.09%  | 0.012% |
| 42 | 7.799  | 1096 | 1101 | 1114 | rBV  | 57589  | 110248 | 10.84% | 1.441% |
| 43 | 8.324  | 1181 | 1187 | 1202 | rBV  | 124087 | 210842 | 20.73% | 2.756% |
| 44 | 8.549  | 1219 | 1224 | 1234 | rBV  | 17364  | 31640  | 3.11%  | 0.414% |
| 45 | 8.647  | 1234 | 1240 | 1252 | rBV  | 473489 | 742651 | 73.02% | 9.708% |
| 46 | 8.830  | 1268 | 1270 | 1272 | rBV  | 737    | 634    | 0.06%  | 0.008% |
| 47 | 8.952  | 1285 | 1290 | 1301 | rBV2 | 89686  | 142899 | 14.05% | 1.868% |
| 48 | 9.129  | 1317 | 1319 | 1321 | rBV3 | 562    | 589    | 0.06%  | 0.008% |
| 49 | 9.244  | 1334 | 1338 | 1343 | rBV  | 23639  | 32703  | 3.22%  | 0.427% |
| 50 | 9.324  | 1346 | 1351 | 1352 | rBV4 | 1955   | 2270   | 0.22%  | 0.030% |
| 51 | 9.385  | 1356 | 1361 | 1373 | rVV  | 313478 | 475805 | 46.78% | 6.219% |
| 52 | 9.488  | 1374 | 1378 | 1387 | rVV  | 19746  | 34205  | 3.36%  | 0.447% |
| 53 | 9.592  | 1391 | 1395 | 1402 | rVB  | 5315   | 8358   | 0.82%  | 0.109% |
| 54 | 9.695  | 1409 | 1412 | 1416 | rVB4 | 1216   | 1678   | 0.16%  | 0.022% |
| 55 | 9.915  | 1443 | 1448 | 1459 | rBV  | 43935  | 64248  | 6.32%  | 0.840% |
| 56 | 10.055 | 1465 | 1471 | 1486 | rBV  | 487437 | 700188 | 68.84% | 9.152% |
| 57 | 10.293 | 1508 | 1510 | 1512 | rVB2 | 695    | 504    | 0.05%  | 0.007% |
| 58 | 10.409 | 1525 | 1529 | 1532 | rBV2 | 748    | 1162   | 0.11%  | 0.015% |
| 59 | 10.525 | 1542 | 1548 | 1550 | rBV5 | 856    | 1730   | 0.17%  | 0.023% |
| 60 | 10.561 | 1552 | 1554 | 1558 | rVB3 | 719    | 701    | 0.07%  | 0.009% |
| 61 | 10.915 | 1610 | 1612 | 1614 | rBV2 | 599    | 451    | 0.04%  | 0.006% |
| 62 | 10.933 | 1614 | 1615 | 1617 | rVV2 | 589    | 470    | 0.05%  | 0.006% |
| 63 | 11.189 | 1652 | 1657 | 1667 | rBV  | 388187 | 488021 | 47.98% | 6.379% |
| 64 | 11.317 | 1675 | 1678 | 1679 | rVB2 | 597    | 532    | 0.05%  | 0.007% |
| 65 | 11.390 | 1687 | 1690 | 1693 | rBV3 | 459    | 599    | 0.06%  | 0.008% |
| 66 | 11.561 | 1716 | 1718 | 1721 | rBV3 | 619    | 751    | 0.07%  | 0.010% |
| 67 | 11.713 | 1741 | 1743 | 1747 | rBV2 | 583    | 611    | 0.06%  | 0.008% |
| 68 | 11.945 | 1780 | 1781 | 1783 | rVB2 | 710    | 456    | 0.04%  | 0.006% |
| 69 | 12.018 | 1788 | 1793 | 1803 | rBV  | 429452 | 558985 | 54.96% | 7.307% |
| 70 | 12.195 | 1821 | 1822 | 1823 | rBV  | 645    | 451    | 0.04%  | 0.006% |
| 71 | 12.317 | 1837 | 1842 | 1852 | rBV  | 476227 | 601737 | 59.16% | 7.866% |
| 72 | 12.945 | 1942 | 1945 | 1948 | rBV  | 833    | 1022   | 0.10%  | 0.013% |
| 73 | 13.042 | 1959 | 1961 | 1963 | rBV  | 470    | 485    | 0.05%  | 0.006% |
| 74 | 13.225 | 1989 | 1991 | 1993 | rVB  | 722    | 455    | 0.04%  | 0.006% |
| 75 | 13.256 | 1994 | 1996 | 1998 | rVV3 | 534    | 438    | 0.04%  | 0.006% |
| 76 | 13.396 | 2017 | 2019 | 2022 | rVB2 | 614    | 646    | 0.06%  | 0.008% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0AX5

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\SFAMXLM120524WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |     |     |       |        |
|-----|--------|------|------|------|------|-----|-----|-------|--------|
| 77  | 13.427 | 2022 | 2024 | 2026 | rBV2 | 418 | 497 | 0.05% | 0.006% |
| 78  | 13.487 | 2031 | 2034 | 2036 | rBV2 | 676 | 510 | 0.05% | 0.007% |
| 79  | 13.512 | 2036 | 2038 | 2040 | rBV  | 709 | 446 | 0.04% | 0.006% |
| 80  | 13.542 | 2040 | 2043 | 2044 | rBV2 | 448 | 452 | 0.04% | 0.006% |
| 81  | 13.603 | 2052 | 2053 | 2061 | rVB4 | 525 | 785 | 0.08% | 0.010% |
| 82  | 13.792 | 2082 | 2084 | 2086 | rBV3 | 575 | 485 | 0.05% | 0.006% |
| 83  | 13.975 | 2111 | 2114 | 2115 | rBV3 | 611 | 573 | 0.06% | 0.007% |
| 84  | 14.122 | 2136 | 2138 | 2139 | rBV2 | 600 | 463 | 0.05% | 0.006% |
| 85  | 14.262 | 2158 | 2161 | 2164 | rBV2 | 599 | 848 | 0.08% | 0.011% |
| 86  | 14.451 | 2190 | 2192 | 2195 | rVB2 | 835 | 588 | 0.06% | 0.008% |
| 87  | 14.481 | 2195 | 2197 | 2199 | rVB2 | 598 | 479 | 0.05% | 0.006% |
| 88  | 14.499 | 2199 | 2200 | 2203 | rBV2 | 663 | 460 | 0.05% | 0.006% |
| 89  | 14.658 | 2224 | 2226 | 2228 | rVB3 | 623 | 441 | 0.04% | 0.006% |
| 90  | 14.719 | 2234 | 2236 | 2238 | rBV  | 616 | 538 | 0.05% | 0.007% |
| 91  | 14.987 | 2276 | 2280 | 2281 | rBV3 | 812 | 985 | 0.10% | 0.013% |
| 92  | 15.054 | 2289 | 2291 | 2292 | rBV2 | 727 | 674 | 0.07% | 0.009% |
| 93  | 15.737 | 2402 | 2403 | 2407 | rBV3 | 690 | 822 | 0.08% | 0.011% |
| 94  | 15.786 | 2409 | 2411 | 2414 | rBV3 | 581 | 873 | 0.09% | 0.011% |
| 95  | 15.902 | 2428 | 2430 | 2431 | rBV  | 619 | 464 | 0.05% | 0.006% |
| 96  | 15.993 | 2442 | 2445 | 2447 | rBV3 | 622 | 678 | 0.07% | 0.009% |
| 97  | 16.146 | 2466 | 2470 | 2471 | rBV  | 451 | 694 | 0.07% | 0.009% |
| 98  | 16.475 | 2523 | 2524 | 2528 | rBV3 | 486 | 519 | 0.05% | 0.007% |
| 99  | 16.633 | 2546 | 2550 | 2551 | rBV4 | 605 | 668 | 0.07% | 0.009% |
| 100 | 16.670 | 2554 | 2556 | 2559 | rVB2 | 617 | 570 | 0.06% | 0.007% |

Sum of corrected areas: 7650250

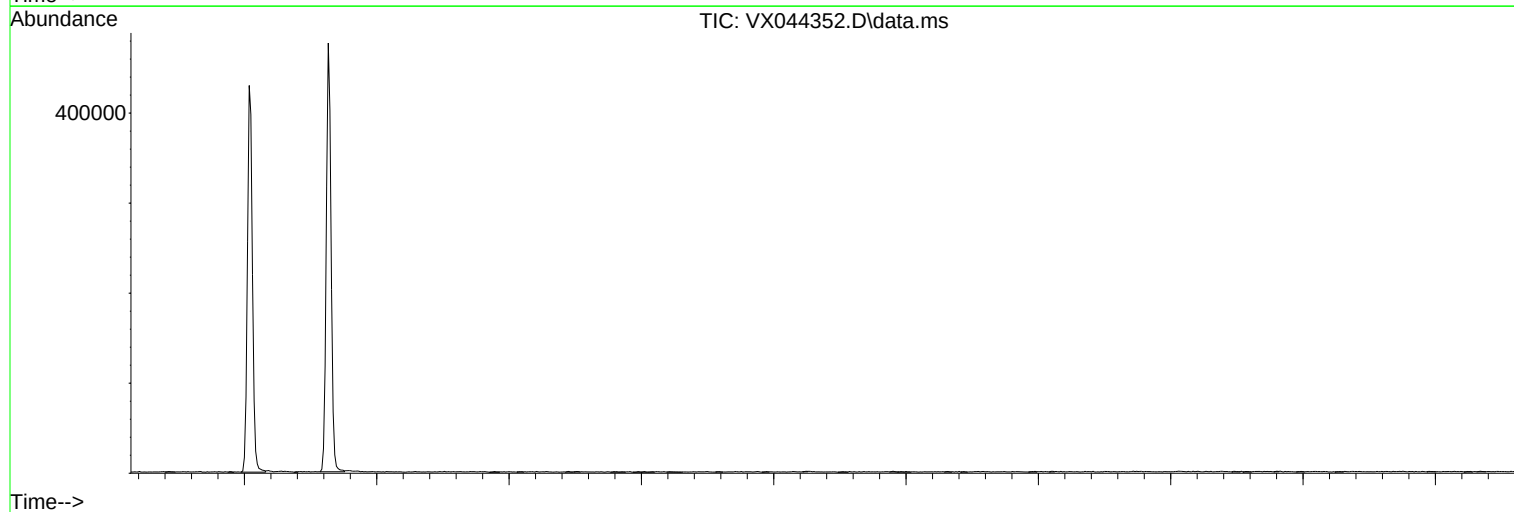
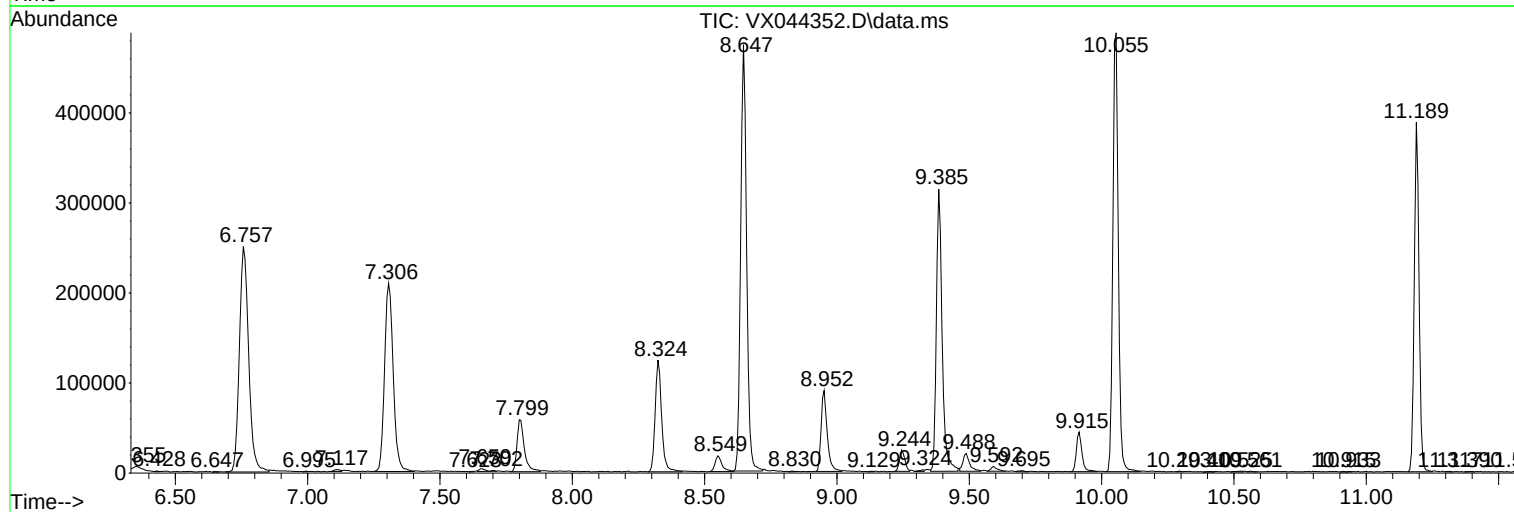
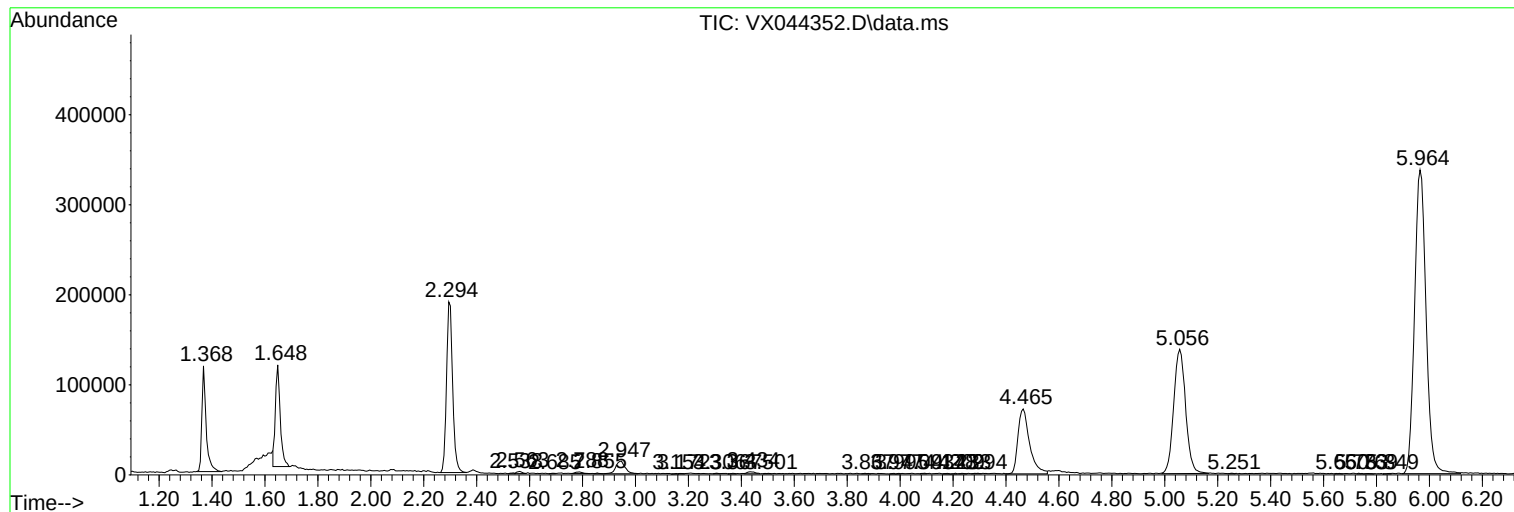
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121724\  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



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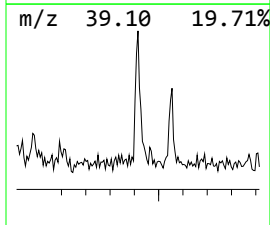
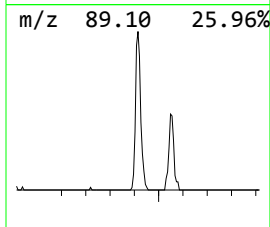
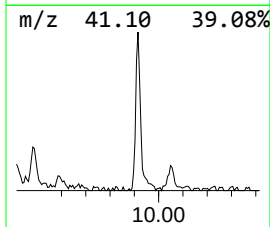
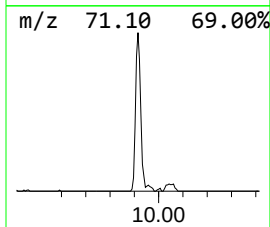
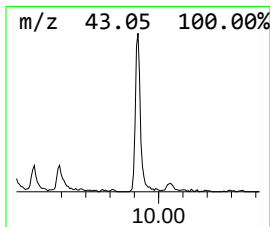
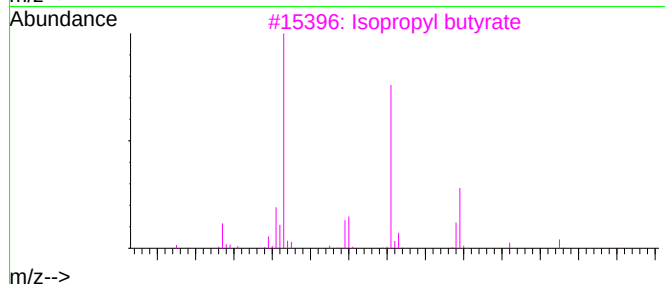
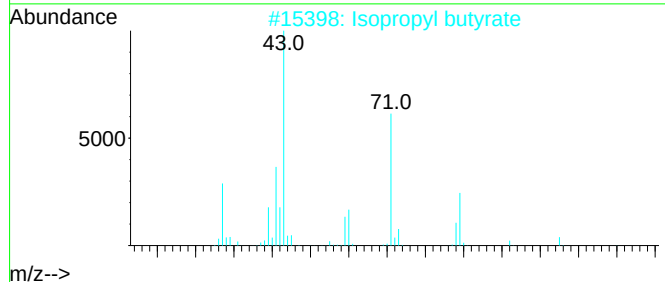
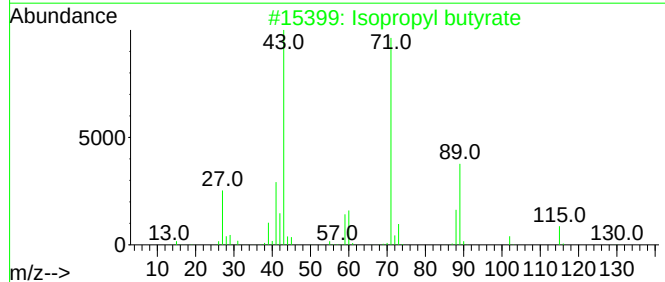
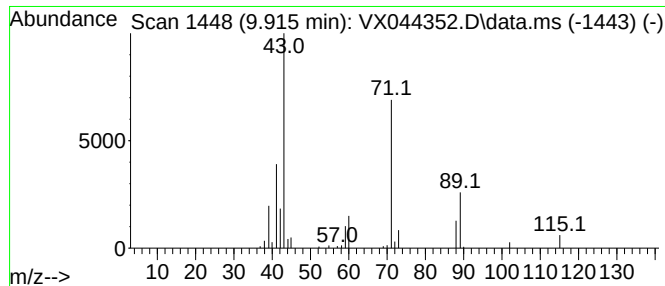
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 4 Isopropyl butyrate Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.   |
|-------|-----------|-------|------------------|--------|
| 9.915 | 4.59 ug/L | 64248 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------------|-----|---------|-------------|------|
| 1         | Isopropyl butyrate                  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 2         | Isopropyl butyrate                  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 3         | Isopropyl butyrate                  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 4         | Isopropyl butyrate                  | 130 | C7H14O2 | 000638-11-9 | 78   |
| 5         | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 64   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |       |         |       |          | #                     | RT     | Resp   | Conc |
| Isopropyl butyrate | 9.915 | 4.6     | ug/L  | 64248    | 2                     | 10.055 | 700188 | 50.0 |