

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062518\  
 Data File : VW003545.D  
 Acq On : 25 Jun 2018 13:45  
 Operator : SY/AP  
 Sample : J3621-13  
 Misc : 7.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DAZ71

## 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\_W\METHOD\SOM2WLM062018S.M  
 Title : VOC Analysis

Signal : TIC

| 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         | 1.678       | 13            | 15          | 17           | rBV3     | 476            | 371           | 0.02%           | 0.005%        |
| 2         | 1.751       | 17            | 27          | 28           | rBV      | 8481           | 16065         | 0.93%           | 0.223%        |
| 3         | 1.806       | 28            | 36          | 57           | rVB      | 748241         | 1725923       | 100.00%         | 23.967%       |
| 4         | 2.154       | 88            | 93          | 103          | rBV      | 12943          | 39823         | 2.31%           | 0.553%        |
| 5         | 2.349       | 120           | 125         | 134          | rVB      | 29376          | 52304         | 3.03%           | 0.726%        |
| 6         | 2.891       | 209           | 214         | 226          | rVB      | 27011          | 64606         | 3.74%           | 0.897%        |
| 7         | 4.007       | 388           | 397         | 413          | rVB2     | 48286          | 151038        | 8.75%           | 2.097%        |
| 8         | 4.391       | 459           | 460         | 462          | rBV2     | 407            | 399           | 0.02%           | 0.006%        |
| 9         | 4.501       | 475           | 478         | 480          | rBV2     | 429            | 416           | 0.02%           | 0.006%        |
| 10        | 4.787       | 523           | 525         | 526          | rBV2     | 469            | 308           | 0.02%           | 0.004%        |
| 11        | 4.909       | 536           | 545         | 559          | rVB2     | 8840           | 29497         | 1.71%           | 0.410%        |
| 12        | 5.068       | 569           | 571         | 573          | rBV2     | 254            | 245           | 0.01%           | 0.003%        |
| 13        | 5.129       | 579           | 581         | 582          | rBV      | 458            | 237           | 0.01%           | 0.003%        |
| 14        | 5.300       | 607           | 609         | 613          | rVB3     | 620            | 590           | 0.03%           | 0.008%        |
| 15        | 5.342       | 613           | 616         | 619          | rBV4     | 476            | 625           | 0.04%           | 0.009%        |
| 16        | 5.391       | 622           | 624         | 626          | rBV      | 279            | 212           | 0.01%           | 0.003%        |
| 17        | 5.446       | 631           | 633         | 634          | rBV2     | 393            | 275           | 0.02%           | 0.004%        |
| 18        | 5.507       | 641           | 643         | 644          | rBV      | 375            | 197           | 0.01%           | 0.003%        |
| 19        | 5.738       | 677           | 681         | 684          | rBV3     | 393            | 642           | 0.04%           | 0.009%        |
| 20        | 5.818       | 692           | 694         | 697          | rVB      | 566            | 429           | 0.02%           | 0.006%        |
| 21        | 5.934       | 705           | 713         | 724          | rVB5     | 3966           | 11453         | 0.66%           | 0.159%        |
| 22        | 6.104       | 737           | 741         | 742          | rBV2     | 596            | 518           | 0.03%           | 0.007%        |
| 23        | 6.196       | 754           | 756         | 757          | rVB2     | 413            | 302           | 0.02%           | 0.004%        |
| 24        | 6.354       | 780           | 782         | 783          | rBV      | 362            | 313           | 0.02%           | 0.004%        |
| 25        | 6.446       | 795           | 797         | 800          | rBV2     | 295            | 344           | 0.02%           | 0.005%        |
| 26        | 6.482       | 800           | 803         | 805          | rBV3     | 369            | 381           | 0.02%           | 0.005%        |
| 27        | 6.690       | 835           | 837         | 839          | rBV2     | 251            | 246           | 0.01%           | 0.003%        |
| 28        | 6.885       | 867           | 869         | 872          | rBV3     | 266            | 296           | 0.02%           | 0.004%        |
| 29        | 6.933       | 875           | 877         | 880          | rVB2     | 286            | 283           | 0.02%           | 0.004%        |
| 30        | 6.964       | 880           | 882         | 887          | rBV3     | 328            | 442           | 0.03%           | 0.006%        |
| 31        | 7.092       | 894           | 903         | 914          | rBV      | 29036          | 88030         | 5.10%           | 1.222%        |
| 32        | 7.244       | 926           | 928         | 929          | rBV      | 367            | 261           | 0.02%           | 0.004%        |
| 33        | 7.385       | 949           | 951         | 955          | rBV3     | 389            | 339           | 0.02%           | 0.005%        |
| 34        | 7.549       | 976           | 978         | 980          | rBV3     | 557            | 406           | 0.02%           | 0.006%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 7.653  | 985  | 995  | 1007 | rVV  | 126015 | 307281 | 17.80% | 4.267% |
| 36 | 7.738  | 1007 | 1009 | 1011 | rVV2 | 330    | 255    | 0.01%  | 0.004% |
| 37 | 7.842  | 1024 | 1026 | 1027 | rBV  | 378    | 225    | 0.01%  | 0.003% |
| 38 | 7.891  | 1032 | 1034 | 1035 | rBV2 | 328    | 244    | 0.01%  | 0.003% |
| 39 | 7.939  | 1040 | 1042 | 1043 | rVB2 | 353    | 194    | 0.01%  | 0.003% |
| 40 | 8.012  | 1052 | 1054 | 1055 | rBV  | 333    | 235    | 0.01%  | 0.003% |
| 41 | 8.134  | 1072 | 1074 | 1078 | rBV2 | 386    | 638    | 0.04%  | 0.009% |
| 42 | 8.171  | 1078 | 1080 | 1082 | rVB  | 388    | 255    | 0.01%  | 0.004% |
| 43 | 8.281  | 1087 | 1098 | 1114 | rBV2 | 211527 | 691435 | 40.06% | 9.601% |
| 44 | 8.512  | 1134 | 1136 | 1139 | rBV2 | 201    | 208    | 0.01%  | 0.003% |
| 45 | 8.610  | 1150 | 1152 | 1154 | rBV  | 403    | 364    | 0.02%  | 0.005% |
| 46 | 8.659  | 1158 | 1160 | 1162 | rVB  | 480    | 328    | 0.02%  | 0.005% |
| 47 | 8.683  | 1162 | 1164 | 1169 | rBV  | 623    | 796    | 0.05%  | 0.011% |
| 48 | 8.848  | 1181 | 1191 | 1204 | rBV  | 237234 | 466152 | 27.01% | 6.473% |
| 49 | 9.092  | 1223 | 1231 | 1239 | rBV7 | 6305   | 13096  | 0.76%  | 0.182% |
| 50 | 9.281  | 1253 | 1262 | 1273 | rVV  | 183657 | 367113 | 21.27% | 5.098% |
| 51 | 9.457  | 1289 | 1291 | 1293 | rBV2 | 447    | 319    | 0.02%  | 0.004% |
| 52 | 9.567  | 1306 | 1309 | 1310 | rBV2 | 340    | 308    | 0.02%  | 0.004% |
| 53 | 9.610  | 1315 | 1316 | 1319 | rVB3 | 383    | 302    | 0.02%  | 0.004% |
| 54 | 9.659  | 1321 | 1324 | 1331 | rVB6 | 1150   | 2395   | 0.14%  | 0.033% |
| 55 | 9.719  | 1331 | 1334 | 1337 | rBV3 | 384    | 485    | 0.03%  | 0.007% |
| 56 | 9.774  | 1341 | 1343 | 1345 | rVB  | 520    | 309    | 0.02%  | 0.004% |
| 57 | 9.884  | 1358 | 1361 | 1362 | rVV2 | 423    | 358    | 0.02%  | 0.005% |
| 58 | 10.036 | 1379 | 1386 | 1394 | rBV  | 90262  | 160836 | 9.32%  | 2.233% |
| 59 | 10.329 | 1427 | 1434 | 1441 | rBV  | 304041 | 527992 | 30.59% | 7.332% |
| 60 | 10.390 | 1441 | 1444 | 1450 | rVB2 | 4021   | 7163   | 0.42%  | 0.099% |
| 61 | 10.506 | 1461 | 1463 | 1465 | rBV2 | 322    | 214    | 0.01%  | 0.003% |
| 62 | 10.579 | 1469 | 1475 | 1488 | rVB  | 64222  | 112914 | 6.54%  | 1.568% |
| 63 | 10.713 | 1493 | 1497 | 1503 | rVV3 | 1834   | 3297   | 0.19%  | 0.046% |
| 64 | 10.786 | 1507 | 1509 | 1511 | rVB2 | 378    | 238    | 0.01%  | 0.003% |
| 65 | 10.847 | 1518 | 1519 | 1520 | rBV  | 406    | 273    | 0.02%  | 0.004% |
| 66 | 10.933 | 1525 | 1533 | 1543 | rBV  | 114769 | 199194 | 11.54% | 2.766% |
| 67 | 11.347 | 1600 | 1601 | 1604 | rBV2 | 281    | 228    | 0.01%  | 0.003% |
| 68 | 11.463 | 1618 | 1620 | 1622 | rVB  | 411    | 371    | 0.02%  | 0.005% |
| 69 | 11.500 | 1622 | 1626 | 1629 | rBV3 | 348    | 618    | 0.04%  | 0.009% |
| 70 | 11.573 | 1635 | 1638 | 1641 | rBV4 | 260    | 338    | 0.02%  | 0.005% |
| 71 | 11.634 | 1641 | 1648 | 1656 | rBV  | 376141 | 641698 | 37.18% | 8.911% |

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 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\_W\METHOD\SOM2WLM062018S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 11.804 | 1674 | 1676 | 1678 | rBV3 | 348    | 335    | 0.02%  | 0.005% |
| 73  | 11.841 | 1678 | 1682 | 1686 | rVV4 | 1583   | 2672   | 0.15%  | 0.037% |
| 74  | 11.939 | 1695 | 1698 | 1699 | rBV2 | 526    | 695    | 0.04%  | 0.010% |
| 75  | 12.164 | 1731 | 1735 | 1736 | rBV4 | 954    | 911    | 0.05%  | 0.013% |
| 76  | 12.378 | 1768 | 1770 | 1774 | rBV3 | 385    | 413    | 0.02%  | 0.006% |
| 77  | 12.414 | 1774 | 1776 | 1778 | rBV2 | 259    | 279    | 0.02%  | 0.004% |
| 78  | 12.475 | 1782 | 1786 | 1789 | rBV3 | 592    | 889    | 0.05%  | 0.012% |
| 79  | 12.524 | 1792 | 1794 | 1795 | rBV2 | 238    | 195    | 0.01%  | 0.003% |
| 80  | 12.560 | 1798 | 1800 | 1802 | rBV2 | 287    | 247    | 0.01%  | 0.003% |
| 81  | 12.615 | 1805 | 1809 | 1815 | rVB3 | 2635   | 4136   | 0.24%  | 0.057% |
| 82  | 12.701 | 1815 | 1823 | 1831 | rBV  | 177634 | 296596 | 17.18% | 4.119% |
| 83  | 12.798 | 1835 | 1839 | 1841 | rBV2 | 454    | 664    | 0.04%  | 0.009% |
| 84  | 12.853 | 1845 | 1848 | 1849 | rBV2 | 319    | 371    | 0.02%  | 0.005% |
| 85  | 12.938 | 1860 | 1862 | 1864 | rBV3 | 412    | 470    | 0.03%  | 0.007% |
| 86  | 13.475 | 1947 | 1950 | 1955 | rBV5 | 2887   | 4275   | 0.25%  | 0.059% |
| 87  | 13.566 | 1958 | 1965 | 1973 | rBV  | 382516 | 608806 | 35.27% | 8.454% |
| 88  | 13.658 | 1975 | 1980 | 1983 | rVB6 | 1186   | 2200   | 0.13%  | 0.031% |
| 89  | 13.780 | 1998 | 2000 | 2002 | rVB2 | 447    | 341    | 0.02%  | 0.005% |
| 90  | 13.865 | 2006 | 2014 | 2021 | rBV  | 336612 | 566890 | 32.85% | 7.872% |
| 91  | 13.993 | 2034 | 2035 | 2038 | rBV2 | 418    | 393    | 0.02%  | 0.005% |
| 92  | 14.085 | 2046 | 2050 | 2054 | rVB2 | 3863   | 5664   | 0.33%  | 0.079% |
| 93  | 14.164 | 2061 | 2063 | 2066 | rBV4 | 511    | 604    | 0.03%  | 0.008% |
| 94  | 14.334 | 2088 | 2091 | 2096 | rVB6 | 2580   | 3802   | 0.22%  | 0.053% |
| 95  | 14.377 | 2096 | 2098 | 2103 | rBV5 | 435    | 607    | 0.04%  | 0.008% |
| 96  | 14.530 | 2121 | 2123 | 2124 | rBV2 | 666    | 538    | 0.03%  | 0.007% |
| 97  | 14.591 | 2132 | 2133 | 2134 | rBV  | 413    | 214    | 0.01%  | 0.003% |
| 98  | 14.895 | 2181 | 2183 | 2185 | rBV  | 415    | 448    | 0.03%  | 0.006% |
| 99  | 15.042 | 2205 | 2207 | 2209 | rVB2 | 616    | 423    | 0.02%  | 0.006% |
| 100 | 16.243 | 2402 | 2404 | 2409 | rVB4 | 752    | 819    | 0.05%  | 0.011% |

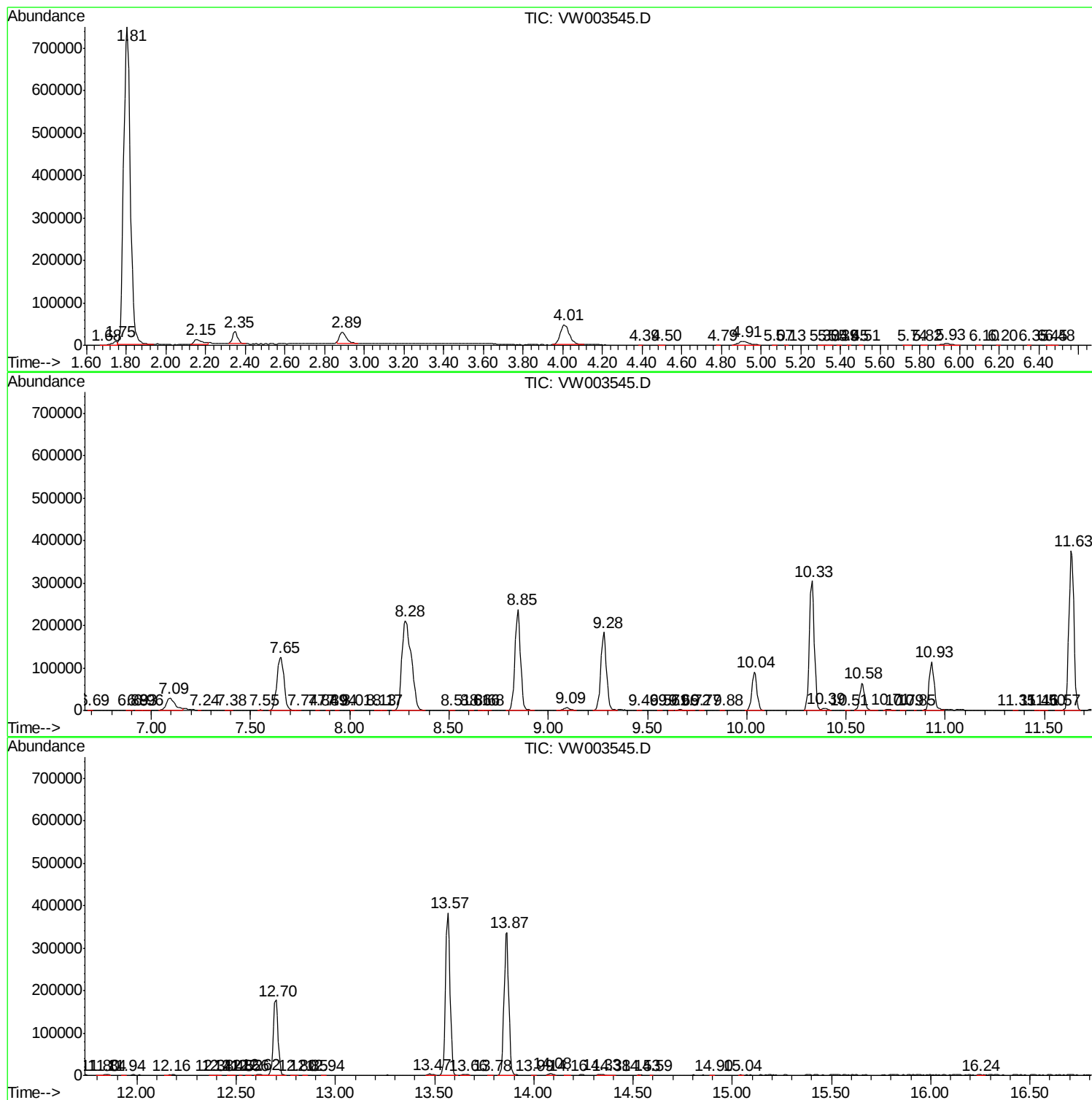
Sum of corrected areas: 7201382

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062518\  
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Instrument :  
MSVOA\_W  
ClientSampled :  
DAZ71

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
Quant Title : VOC Analysis

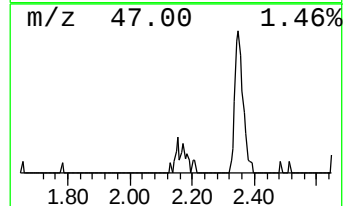
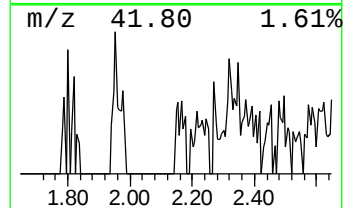
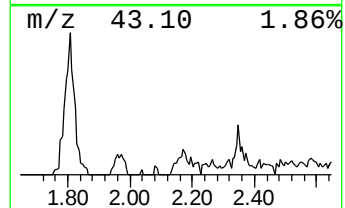
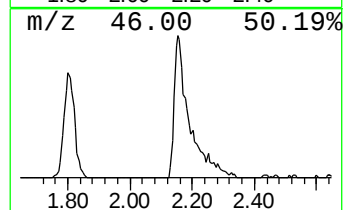
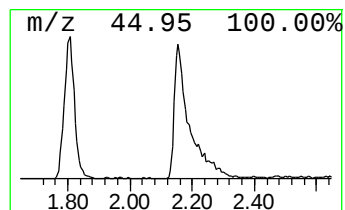
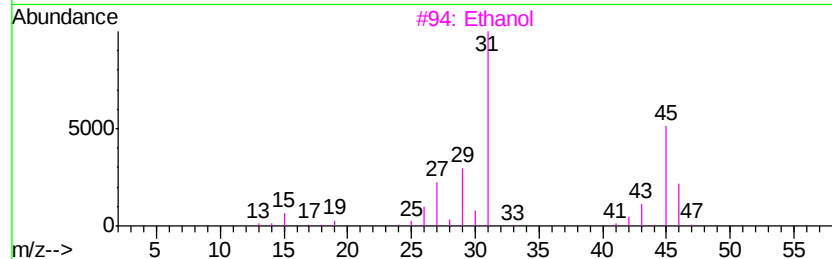
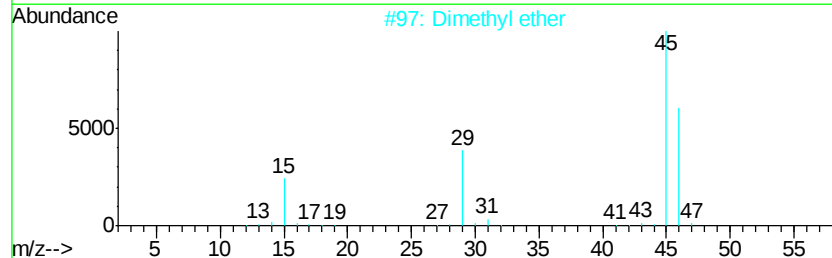
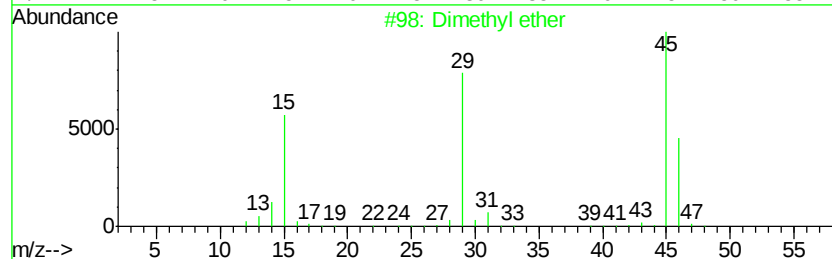
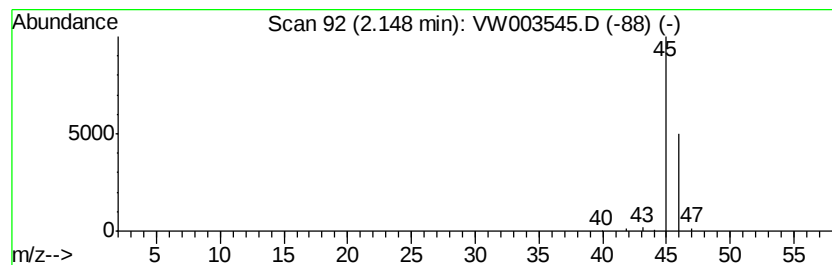
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Dimethyl ether Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.15 | 2.14 ug/L | 39823 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|----------------|----|---------|-------------|------|
| 1    | 5  | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 2    |    | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 3    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 4    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |



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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Dimethyl ether   | 2.15 | 2.1     | ug/L  | 39823    | 1                     | 8.85 | 466152 | 25.0 |