

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021608.D  
 Acq On : 23 Dec 2021 12:51  
 Operator : SY/VA  
 Sample : M5174-04  
 Misc : 4.98g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBC15

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\_W\Method\SFAMWLM120921SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021608.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         | 2.355       | 68            | 74          | 83           | rVB2     | 30430          | 52366         | 13.86%          | 1.908%        |
| 2         | 2.885       | 155           | 161         | 170          | rVB      | 14938          | 29900         | 7.91%           | 1.089%        |
| 3         | 3.026       | 178           | 184         | 195          | rVB      | 6810           | 15200         | 4.02%           | 0.554%        |
| 4         | 3.385       | 237           | 243         | 250          | rVB4     | 2272           | 4916          | 1.30%           | 0.179%        |
| 5         | 4.019       | 337           | 347         | 361          | rBV      | 32108          | 89607         | 23.72%          | 3.264%        |
| 6         | 4.117       | 361           | 363         | 364          | rBV      | 237            | 216           | 0.06%           | 0.008%        |
| 7         | 4.330       | 394           | 398         | 399          | rBB      | 90             | 114           | 0.03%           | 0.004%        |
| 8         | 4.598       | 439           | 442         | 443          | rBV      | 90             | 110           | 0.03%           | 0.004%        |
| 9         | 4.922       | 485           | 495         | 509          | rBV3     | 5978           | 21370         | 5.66%           | 0.779%        |
| 10        | 5.013       | 509           | 510         | 513          | rVB      | 135            | 127           | 0.03%           | 0.005%        |
| 11        | 5.165       | 533           | 535         | 538          | rBV      | 69             | 111           | 0.03%           | 0.004%        |
| 12        | 5.269       | 550           | 552         | 554          | rBV      | 108            | 109           | 0.03%           | 0.004%        |
| 13        | 5.434       | 569           | 579         | 589          | rBB5     | 4136           | 12040         | 3.19%           | 0.439%        |
| 14        | 5.854       | 646           | 648         | 651          | rVB5     | 130            | 108           | 0.03%           | 0.004%        |
| 15        | 5.946       | 654           | 663         | 672          | rBV3     | 2361           | 6571          | 1.74%           | 0.239%        |
| 16        | 6.641       | 773           | 777         | 780          | rBB      | 109            | 164           | 0.04%           | 0.006%        |
| 17        | 6.988       | 827           | 834         | 841          | rBV3     | 607            | 1606          | 0.43%           | 0.059%        |
| 18        | 7.080       | 841           | 849         | 856          | rBV      | 10201          | 27609         | 7.31%           | 1.006%        |
| 19        | 7.171       | 858           | 864         | 872          | rVV2     | 13850          | 35781         | 9.47%           | 1.303%        |
| 20        | 7.250       | 873           | 877         | 887          | rVB3     | 1327           | 3311          | 0.88%           | 0.121%        |
| 21        | 7.470       | 911           | 913         | 916          | rBB3     | 138            | 129           | 0.03%           | 0.005%        |
| 22        | 7.543       | 923           | 925         | 929          | rBB      | 133            | 189           | 0.05%           | 0.007%        |
| 23        | 7.653       | 932           | 943         | 954          | rBV      | 53503          | 130997        | 34.67%          | 4.772%        |
| 24        | 7.933       | 982           | 989         | 992          | rBV4     | 733            | 1525          | 0.40%           | 0.056%        |
| 25        | 8.043       | 1005          | 1007        | 1011         | rVB      | 243            | 247           | 0.07%           | 0.009%        |
| 26        | 8.116       | 1018          | 1019        | 1021         | rBV      | 140            | 110           | 0.03%           | 0.004%        |
| 27        | 8.159       | 1022          | 1026        | 1031         | rVB3     | 560            | 1052          | 0.28%           | 0.038%        |
| 28        | 8.275       | 1036          | 1045        | 1064         | rBV2     | 94615          | 298488        | 79.01%          | 10.874%       |
| 29        | 8.695       | 1110          | 1114        | 1119         | rBB2     | 1160           | 1760          | 0.47%           | 0.064%        |
| 30        | 8.842       | 1129          | 1138        | 1148         | rBV      | 101717         | 205989        | 54.52%          | 7.504%        |
| 31        | 9.092       | 1173          | 1179        | 1186         | rVB      | 12906          | 25165         | 6.66%           | 0.917%        |
| 32        | 9.213       | 1197          | 1199        | 1201         | rBB2     | 218            | 170           | 0.04%           | 0.006%        |
| 33        | 9.274       | 1201          | 1209        | 1216         | rBV2     | 68597          | 140111        | 37.09%          | 5.104%        |
| 34        | 9.524       | 1247          | 1250        | 1252         | rBB2     | 236            | 197           | 0.05%           | 0.007%        |
| 35        | 9.659       | 1270          | 1272        | 1273         | rVV2     | 170            | 147           | 0.04%           | 0.005%        |
| 36        | 9.951       | 1317          | 1320        | 1326         | rBB2     | 431            | 671           | 0.18%           | 0.024%        |

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Integrator: RTE

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 10.037 | 1326 | 1334 | 1341 | rBV  | 36639  | 65604  | 17.36%  | 2.390%  |
| 38 | 10.323 | 1374 | 1381 | 1388 | rBV  | 143288 | 247551 | 65.52%  | 9.018%  |
| 39 | 10.384 | 1388 | 1391 | 1399 | rVV  | 10440  | 17402  | 4.61%   | 0.634%  |
| 40 | 10.500 | 1405 | 1410 | 1414 | rVB2 | 1170   | 1894   | 0.50%   | 0.069%  |
| 41 | 10.579 | 1416 | 1423 | 1430 | rBB  | 23525  | 39659  | 10.50%  | 1.445%  |
| 42 | 10.664 | 1433 | 1437 | 1440 | rBV3 | 335    | 562    | 0.15%   | 0.020%  |
| 43 | 10.701 | 1440 | 1443 | 1448 | rVB  | 924    | 1385   | 0.37%   | 0.050%  |
| 44 | 10.762 | 1450 | 1453 | 1455 | rVB  | 262    | 280    | 0.07%   | 0.010%  |
| 45 | 10.780 | 1455 | 1456 | 1460 | rBV  | 62     | 108    | 0.03%   | 0.004%  |
| 46 | 10.860 | 1462 | 1469 | 1475 | rBV  | 218519 | 377798 | 100.00% | 13.763% |
| 47 | 10.927 | 1475 | 1480 | 1489 | rVB  | 42840  | 71063  | 18.81%  | 2.589%  |
| 48 | 11.073 | 1501 | 1504 | 1507 | rBB  | 145    | 169    | 0.04%   | 0.006%  |
| 49 | 11.152 | 1514 | 1517 | 1518 | rBV  | 136    | 108    | 0.03%   | 0.004%  |
| 50 | 11.177 | 1518 | 1521 | 1526 | rVV3 | 499    | 595    | 0.16%   | 0.022%  |
| 51 | 11.225 | 1528 | 1529 | 1533 | rBV2 | 283    | 323    | 0.09%   | 0.012%  |
| 52 | 11.408 | 1556 | 1559 | 1561 | rBV  | 279    | 295    | 0.08%   | 0.011%  |
| 53 | 11.628 | 1588 | 1595 | 1606 | rBV  | 149342 | 251311 | 66.52%  | 9.155%  |
| 54 | 11.731 | 1606 | 1612 | 1620 | rVB  | 10355  | 17068  | 4.52%   | 0.622%  |
| 55 | 11.835 | 1623 | 1629 | 1636 | rBV2 | 3716   | 6680   | 1.77%   | 0.243%  |
| 56 | 11.914 | 1640 | 1642 | 1650 | rVB2 | 216    | 320    | 0.08%   | 0.012%  |
| 57 | 12.128 | 1676 | 1677 | 1678 | rBV  | 204    | 112    | 0.03%   | 0.004%  |
| 58 | 12.164 | 1679 | 1683 | 1689 | rVB2 | 1434   | 2102   | 0.56%   | 0.077%  |
| 59 | 12.237 | 1692 | 1695 | 1698 | rVB  | 109    | 127    | 0.03%   | 0.005%  |
| 60 | 12.384 | 1718 | 1719 | 1723 | rVB  | 138    | 134    | 0.04%   | 0.005%  |
| 61 | 12.463 | 1728 | 1732 | 1735 | rBV  | 377    | 420    | 0.11%   | 0.015%  |
| 62 | 12.603 | 1748 | 1755 | 1761 | rBB2 | 2909   | 4295   | 1.14%   | 0.156%  |
| 63 | 12.688 | 1763 | 1769 | 1776 | rBV  | 65935  | 108606 | 28.75%  | 3.956%  |
| 64 | 12.798 | 1784 | 1787 | 1793 | rVB  | 965    | 1433   | 0.38%   | 0.052%  |
| 65 | 12.859 | 1793 | 1797 | 1799 | rBV2 | 798    | 858    | 0.23%   | 0.031%  |
| 66 | 12.993 | 1817 | 1819 | 1821 | rVB  | 166    | 116    | 0.03%   | 0.004%  |
| 67 | 13.103 | 1834 | 1837 | 1839 | rVV2 | 407    | 521    | 0.14%   | 0.019%  |
| 68 | 13.152 | 1843 | 1845 | 1848 | rBV2 | 150    | 166    | 0.04%   | 0.006%  |
| 69 | 13.188 | 1848 | 1851 | 1856 | rVB2 | 576    | 833    | 0.22%   | 0.030%  |
| 70 | 13.249 | 1856 | 1861 | 1866 | rBV  | 2727   | 3835   | 1.02%   | 0.140%  |
| 71 | 13.402 | 1877 | 1886 | 1890 | rBV2 | 613    | 1428   | 0.38%   | 0.052%  |
| 72 | 13.469 | 1894 | 1897 | 1900 | rVB3 | 569    | 592    | 0.16%   | 0.022%  |
| 73 | 13.499 | 1900 | 1902 | 1905 | rBV  | 189    | 254    | 0.07%   | 0.009%  |
| 74 | 13.554 | 1905 | 1911 | 1921 | rVV  | 133268 | 212431 | 56.23%  | 7.739%  |
| 75 | 13.646 | 1922 | 1926 | 1935 | rVB2 | 3484   | 5909   | 1.56%   | 0.215%  |
| 76 | 13.755 | 1940 | 1944 | 1948 | rBV5 | 767    | 1397   | 0.37%   | 0.051%  |

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Integration Parameters: LSCINT.P

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.853 | 1953 | 1960 | 1968 | rVV  | 101256 | 167650 | 44.38% | 6.107% |
| 78  | 13.938 | 1972 | 1974 | 1978 | rBV  | 341    | 375    | 0.10%  | 0.014% |
| 79  | 13.999 | 1983 | 1984 | 1985 | rBV  | 197    | 138    | 0.04%  | 0.005% |
| 80  | 14.066 | 1989 | 1995 | 2003 | rVV2 | 4461   | 7604   | 2.01%  | 0.277% |
| 81  | 14.133 | 2005 | 2006 | 2008 | rVB  | 298    | 153    | 0.04%  | 0.006% |
| 82  | 14.207 | 2014 | 2018 | 2021 | rVB2 | 358    | 484    | 0.13%  | 0.018% |
| 83  | 14.328 | 2030 | 2038 | 2042 | rBV3 | 610    | 1211   | 0.32%  | 0.044% |
| 84  | 14.414 | 2049 | 2052 | 2053 | rBV  | 276    | 208    | 0.06%  | 0.008% |
| 85  | 14.450 | 2056 | 2058 | 2064 | rVB2 | 471    | 446    | 0.12%  | 0.016% |
| 86  | 14.517 | 2064 | 2069 | 2075 | rBV3 | 1575   | 2797   | 0.74%  | 0.102% |
| 87  | 14.591 | 2078 | 2081 | 2082 | rBV  | 125    | 133    | 0.04%  | 0.005% |
| 88  | 14.615 | 2083 | 2085 | 2088 | rVV  | 146    | 135    | 0.04%  | 0.005% |
| 89  | 14.719 | 2100 | 2102 | 2105 | rBV  | 348    | 253    | 0.07%  | 0.009% |
| 90  | 14.780 | 2110 | 2112 | 2114 | rBV2 | 322    | 387    | 0.10%  | 0.014% |
| 91  | 14.883 | 2128 | 2129 | 2132 | rBV  | 125    | 117    | 0.03%  | 0.004% |
| 92  | 14.999 | 2144 | 2148 | 2149 | rBV  | 123    | 123    | 0.03%  | 0.004% |
| 93  | 15.176 | 2175 | 2177 | 2184 | rBV  | 176    | 334    | 0.09%  | 0.012% |
| 94  | 15.359 | 2204 | 2207 | 2211 | rBV2 | 468    | 604    | 0.16%  | 0.022% |
| 95  | 15.487 | 2222 | 2228 | 2235 | rVB  | 3304   | 5588   | 1.48%  | 0.204% |
| 96  | 15.792 | 2275 | 2278 | 2282 | rBV4 | 657    | 1030   | 0.27%  | 0.038% |
| 97  | 15.877 | 2290 | 2292 | 2296 | rBV  | 360    | 426    | 0.11%  | 0.016% |
| 98  | 16.407 | 2378 | 2379 | 2382 | rBV2 | 182    | 180    | 0.05%  | 0.007% |
| 99  | 16.444 | 2382 | 2385 | 2388 | rVV2 | 320    | 423    | 0.11%  | 0.015% |
| 100 | 16.548 | 2400 | 2402 | 2406 | rBV2 | 166    | 195    | 0.05%  | 0.007% |

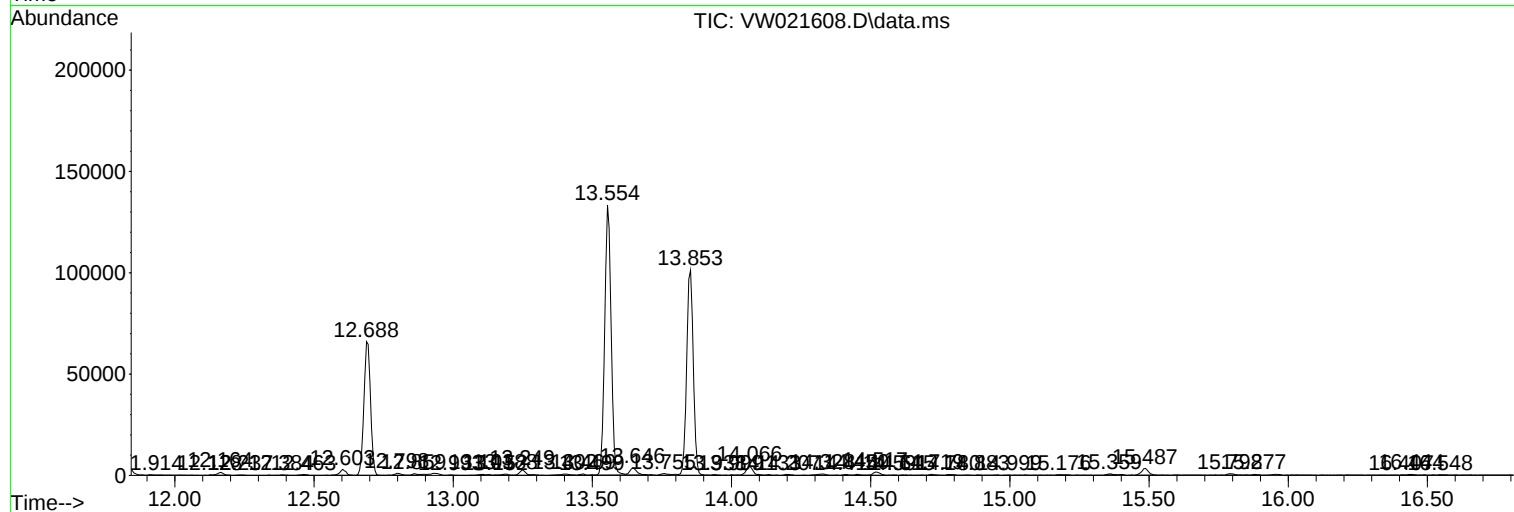
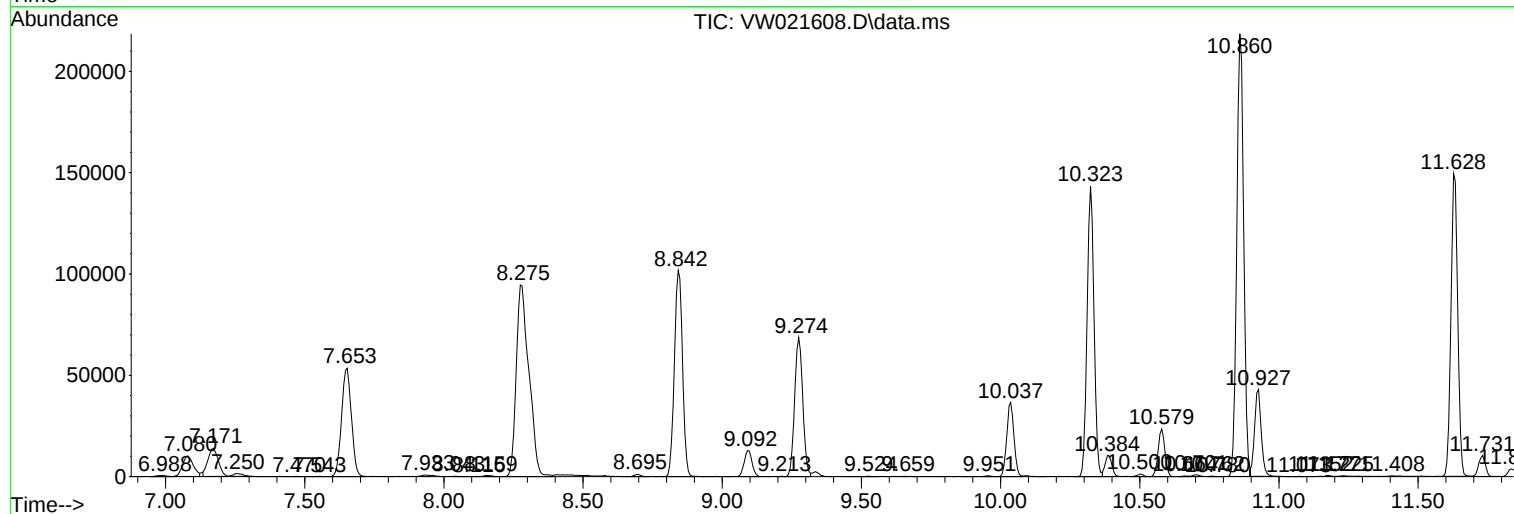
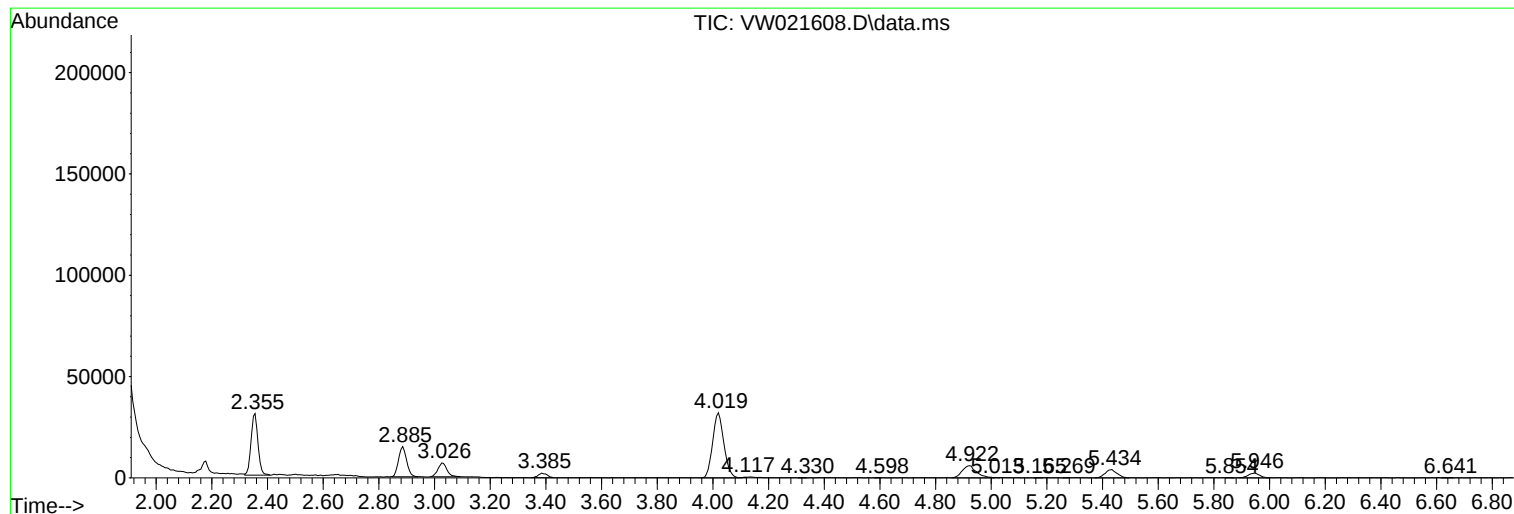
Sum of corrected areas: 2745021

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Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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



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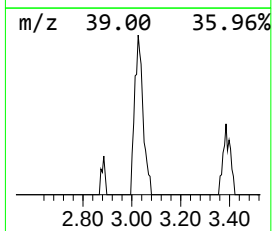
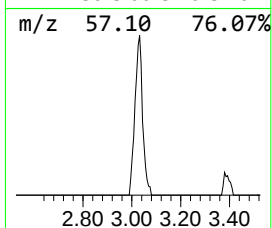
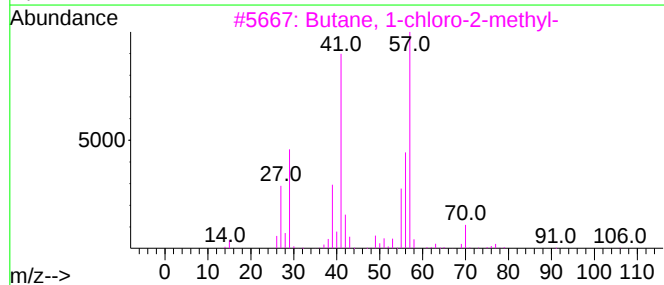
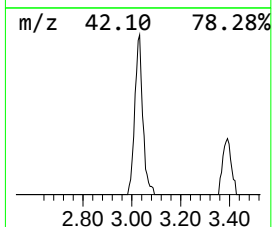
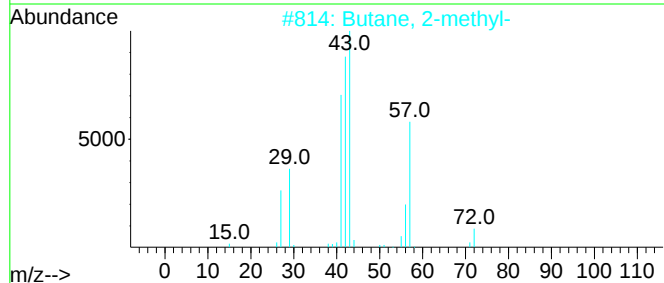
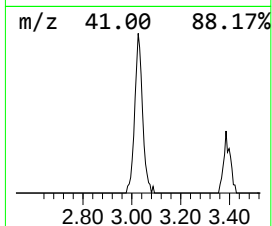
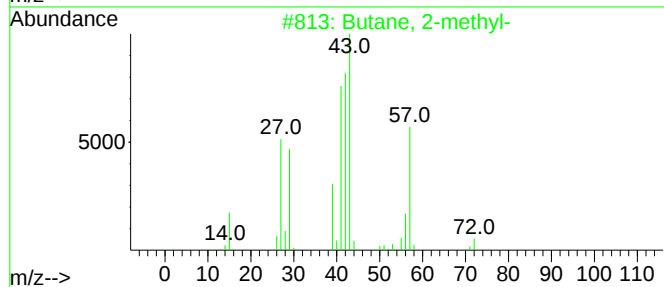
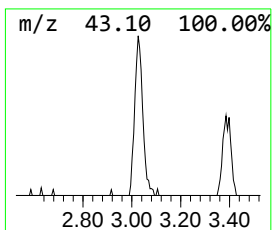
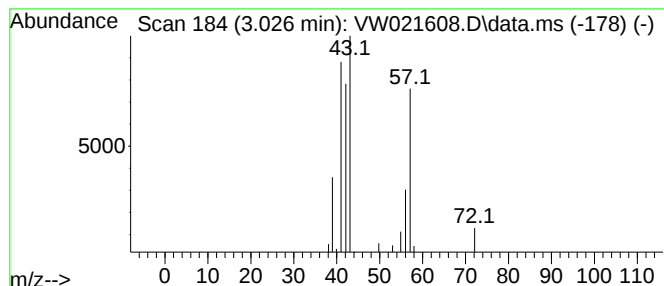
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.026 | 1.84 ug/L | 15200 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 83   |
| 2    |    |   | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 72   |
| 3    |    |   | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 12   |
| 4    |    |   | 1-Propene, 2-methyl-       | 56  | C4H8    | 000115-11-7 | 10   |
| 5    |    |   | Methane, isocyanato-       | 57  | C2H3NO  | 000624-83-9 | 9    |



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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 3.026 | 1.8     | ug/L  | 15200    | 1                     | 8.842 | 205989 | 25.0 |