

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050223\  
 Data File : VD075961.D  
 Acq On : 02 May 2023 13:36  
 Operator : KP/SY  
 Sample : 02564-15  
 Misc : 4.89G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCH5

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\_D\Method\SFAMDL042023SMA.M  
 Title : SFAM01.0

Signal : TIC: VD075961.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         | 1.681       | 11            | 16          | 20           | rBV      | 69526          | 113998        | 10.01%          | 1.164%        |
| 2         | 1.740       | 20            | 26          | 37           | rVB      | 572706         | 1139035       | 100.00%         | 11.631%       |
| 3         | 2.152       | 91            | 96          | 98           | rBV2     | 2867           | 5054          | 0.44%           | 0.052%        |
| 4         | 2.275       | 111           | 117         | 126          | rVB      | 122557         | 187113        | 16.43%          | 1.911%        |
| 5         | 2.799       | 200           | 206         | 214          | rVB      | 119025         | 212954        | 18.70%          | 2.175%        |
| 6         | 3.481       | 320           | 322         | 325          | rVV2     | 682            | 678           | 0.06%           | 0.007%        |
| 7         | 3.605       | 341           | 343         | 348          | rBV2     | 615            | 941           | 0.08%           | 0.010%        |
| 8         | 3.758       | 368           | 369         | 371          | rVB2     | 690            | 413           | 0.04%           | 0.004%        |
| 9         | 3.787       | 372           | 374         | 378          | rVB2     | 488            | 465           | 0.04%           | 0.005%        |
| 10        | 3.916       | 386           | 396         | 408          | rBV      | 105428         | 274451        | 24.10%          | 2.802%        |
| 11        | 4.128       | 430           | 432         | 434          | rBV      | 724            | 393           | 0.03%           | 0.004%        |
| 12        | 4.175       | 438           | 440         | 443          | rVB2     | 656            | 526           | 0.05%           | 0.005%        |
| 13        | 4.252       | 450           | 453         | 454          | rBV      | 763            | 795           | 0.07%           | 0.008%        |
| 14        | 4.346       | 467           | 469         | 470          | rVB      | 893            | 513           | 0.05%           | 0.005%        |
| 15        | 4.369       | 470           | 473         | 476          | rBV2     | 700            | 880           | 0.08%           | 0.009%        |
| 16        | 4.416       | 479           | 481         | 485          | rVV2     | 455            | 569           | 0.05%           | 0.006%        |
| 17        | 4.481       | 488           | 492         | 494          | rVB      | 1000           | 1129          | 0.10%           | 0.012%        |
| 18        | 4.640       | 515           | 519         | 521          | rBV      | 626            | 730           | 0.06%           | 0.007%        |
| 19        | 4.693       | 525           | 528         | 531          | rVB      | 900            | 1062          | 0.09%           | 0.011%        |
| 20        | 4.734       | 533           | 535         | 537          | rVB      | 996            | 788           | 0.07%           | 0.008%        |
| 21        | 4.805       | 537           | 547         | 555          | rBV4     | 12949          | 42484         | 3.73%           | 0.434%        |
| 22        | 4.952       | 570           | 572         | 574          | rBV2     | 529            | 560           | 0.05%           | 0.006%        |
| 23        | 5.087       | 593           | 595         | 598          | rVB      | 894            | 1008          | 0.09%           | 0.010%        |
| 24        | 5.199       | 612           | 614         | 616          | rBV      | 757            | 778           | 0.07%           | 0.008%        |
| 25        | 5.646       | 687           | 690         | 692          | rVB2     | 557            | 625           | 0.05%           | 0.006%        |
| 26        | 5.828       | 719           | 721         | 722          | rBV      | 1010           | 804           | 0.07%           | 0.008%        |
| 27        | 6.287       | 797           | 799         | 801          | rBV      | 820            | 466           | 0.04%           | 0.005%        |
| 28        | 6.346       | 807           | 809         | 810          | rBV2     | 521            | 399           | 0.04%           | 0.004%        |
| 29        | 6.422       | 816           | 822         | 823          | rBV2     | 370            | 597           | 0.05%           | 0.006%        |
| 30        | 6.510       | 835           | 837         | 838          | rVB      | 607            | 402           | 0.04%           | 0.004%        |
| 31        | 6.887       | 898           | 901         | 902          | rBV      | 660            | 429           | 0.04%           | 0.004%        |
| 32        | 6.987       | 908           | 918         | 930          | rBV2     | 34698          | 103283        | 9.07%           | 1.055%        |
| 33        | 7.140       | 943           | 944         | 947          | rVB      | 809            | 611           | 0.05%           | 0.006%        |
| 34        | 7.252       | 962           | 963         | 965          | rVB2     | 598            | 398           | 0.03%           | 0.004%        |
| 35        | 7.352       | 978           | 980         | 983          | rVB2     | 625            | 427           | 0.04%           | 0.004%        |
| 36        | 7.381       | 983           | 985         | 988          | rBV2     | 505            | 509           | 0.04%           | 0.005%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 7.481  | 1000 | 1002 | 1004 | rVB2 | 648    | 529     | 0.05%  | 0.005%  |
| 38 | 7.569  | 1004 | 1017 | 1028 | rBV  | 198121 | 497511  | 43.68% | 5.080%  |
| 39 | 7.746  | 1045 | 1047 | 1048 | rVB2 | 748    | 431     | 0.04%  | 0.004%  |
| 40 | 7.804  | 1055 | 1057 | 1061 | rVB2 | 578    | 816     | 0.07%  | 0.008%  |
| 41 | 7.840  | 1061 | 1063 | 1067 | rBV2 | 595    | 657     | 0.06%  | 0.007%  |
| 42 | 8.010  | 1090 | 1092 | 1093 | rVB  | 628    | 390     | 0.03%  | 0.004%  |
| 43 | 8.022  | 1093 | 1094 | 1097 | rBV2 | 769    | 598     | 0.05%  | 0.006%  |
| 44 | 8.057  | 1097 | 1100 | 1101 | rVB2 | 711    | 667     | 0.06%  | 0.007%  |
| 45 | 8.204  | 1114 | 1125 | 1140 | rBV2 | 336128 | 1053659 | 92.50% | 10.759% |
| 46 | 8.351  | 1148 | 1150 | 1151 | rVB  | 892    | 400     | 0.04%  | 0.004%  |
| 47 | 8.416  | 1160 | 1161 | 1162 | rBV  | 915    | 387     | 0.03%  | 0.004%  |
| 48 | 8.434  | 1162 | 1164 | 1167 | rVV  | 815    | 810     | 0.07%  | 0.008%  |
| 49 | 8.463  | 1167 | 1169 | 1171 | rVV2 | 552    | 421     | 0.04%  | 0.004%  |
| 50 | 8.634  | 1196 | 1198 | 1199 | rVB2 | 850    | 449     | 0.04%  | 0.005%  |
| 51 | 8.675  | 1204 | 1205 | 1207 | rVB  | 864    | 403     | 0.04%  | 0.004%  |
| 52 | 8.716  | 1210 | 1212 | 1214 | rBV2 | 381    | 407     | 0.04%  | 0.004%  |
| 53 | 8.775  | 1214 | 1222 | 1234 | rBV  | 394047 | 803630  | 70.55% | 8.206%  |
| 54 | 9.016  | 1259 | 1263 | 1267 | rVB3 | 1813   | 2788    | 0.24%  | 0.028%  |
| 55 | 9.210  | 1288 | 1296 | 1305 | rBV  | 254196 | 535396  | 47.00% | 5.467%  |
| 56 | 9.775  | 1390 | 1392 | 1393 | rBV  | 964    | 681     | 0.06%  | 0.007%  |
| 57 | 9.793  | 1393 | 1395 | 1400 | rVB2 | 717    | 695     | 0.06%  | 0.007%  |
| 58 | 9.828  | 1400 | 1401 | 1405 | rBV2 | 540    | 613     | 0.05%  | 0.006%  |
| 59 | 9.863  | 1405 | 1407 | 1410 | rVB2 | 489    | 558     | 0.05%  | 0.006%  |
| 60 | 9.934  | 1417 | 1419 | 1420 | rBV  | 543    | 391     | 0.03%  | 0.004%  |
| 61 | 9.981  | 1420 | 1427 | 1438 | rVB  | 132132 | 248684  | 21.83% | 2.539%  |
| 62 | 10.075 | 1438 | 1443 | 1444 | rBV3 | 915    | 1239    | 0.11%  | 0.013%  |
| 63 | 10.269 | 1469 | 1476 | 1490 | rVV  | 466872 | 836170  | 73.41% | 8.538%  |
| 64 | 10.398 | 1496 | 1498 | 1501 | rBV2 | 654    | 726     | 0.06%  | 0.007%  |
| 65 | 10.445 | 1505 | 1506 | 1508 | rVB  | 629    | 402     | 0.04%  | 0.004%  |
| 66 | 10.528 | 1513 | 1520 | 1527 | rVV  | 97130  | 167277  | 14.69% | 1.708%  |
| 67 | 10.610 | 1532 | 1534 | 1536 | rBV2 | 605    | 541     | 0.05%  | 0.006%  |
| 68 | 10.669 | 1540 | 1544 | 1546 | rVV2 | 2958   | 4319    | 0.38%  | 0.044%  |
| 69 | 10.693 | 1546 | 1548 | 1549 | rVV2 | 1135   | 787     | 0.07%  | 0.008%  |
| 70 | 10.781 | 1561 | 1563 | 1564 | rBV  | 432    | 399     | 0.04%  | 0.004%  |
| 71 | 10.881 | 1573 | 1580 | 1591 | rBV2 | 133943 | 239761  | 21.05% | 2.448%  |
| 72 | 11.304 | 1649 | 1652 | 1655 | rBV2 | 906    | 1307    | 0.11%  | 0.013%  |
| 73 | 11.398 | 1666 | 1668 | 1669 | rBV  | 562    | 485     | 0.04%  | 0.005%  |
| 74 | 11.434 | 1672 | 1674 | 1677 | rVB  | 851    | 965     | 0.08%  | 0.010%  |
| 75 | 11.475 | 1679 | 1681 | 1684 | rVB  | 1224   | 847     | 0.07%  | 0.009%  |
| 76 | 11.498 | 1684 | 1685 | 1686 | rBV  | 915    | 390     | 0.03%  | 0.004%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

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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\_D\Method\SFAMDLM042023SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 77  | 11.581 | 1692 | 1699 | 1711 | rVB  | 591908 | 1043756 | 91.64% | 10.658% |
| 78  | 11.745 | 1724 | 1727 | 1728 | rBV2 | 965    | 889     | 0.08%  | 0.009%  |
| 79  | 11.822 | 1737 | 1740 | 1741 | rBV  | 779    | 707     | 0.06%  | 0.007%  |
| 80  | 11.916 | 1754 | 1756 | 1758 | rBV  | 620    | 667     | 0.06%  | 0.007%  |
| 81  | 11.957 | 1760 | 1763 | 1764 | rBV  | 580    | 595     | 0.05%  | 0.006%  |
| 82  | 12.051 | 1778 | 1779 | 1781 | rVB2 | 1129   | 659     | 0.06%  | 0.007%  |
| 83  | 12.339 | 1826 | 1828 | 1831 | rVB2 | 674    | 635     | 0.06%  | 0.006%  |
| 84  | 12.381 | 1834 | 1835 | 1837 | rBV  | 812    | 586     | 0.05%  | 0.006%  |
| 85  | 12.651 | 1875 | 1881 | 1890 | rVB  | 272685 | 472535  | 41.49% | 4.825%  |
| 86  | 12.957 | 1931 | 1933 | 1935 | rBV2 | 625    | 594     | 0.05%  | 0.006%  |
| 87  | 13.328 | 1994 | 1996 | 1998 | rBV2 | 759    | 701     | 0.06%  | 0.007%  |
| 88  | 13.428 | 2009 | 2013 | 2014 | rVB2 | 772    | 815     | 0.07%  | 0.008%  |
| 89  | 13.445 | 2014 | 2016 | 2017 | rBV2 | 1035   | 724     | 0.06%  | 0.007%  |
| 90  | 13.522 | 2021 | 2029 | 2036 | rBV  | 545100 | 888797  | 78.03% | 9.076%  |
| 91  | 13.816 | 2072 | 2079 | 2089 | rBV  | 522640 | 864703  | 75.92% | 8.830%  |
| 92  | 13.957 | 2101 | 2103 | 2104 | rVB  | 1076   | 512     | 0.04%  | 0.005%  |
| 93  | 14.051 | 2117 | 2119 | 2123 | rVB  | 2392   | 2660    | 0.23%  | 0.027%  |
| 94  | 14.298 | 2158 | 2161 | 2167 | rVB3 | 2231   | 3339    | 0.29%  | 0.034%  |
| 95  | 14.575 | 2206 | 2208 | 2212 | rBV3 | 891    | 1100    | 0.10%  | 0.011%  |
| 96  | 15.692 | 2396 | 2398 | 2399 | rBV2 | 1102   | 735     | 0.06%  | 0.008%  |
| 97  | 15.786 | 2413 | 2414 | 2416 | rBV  | 1647   | 1083    | 0.10%  | 0.011%  |
| 98  | 15.857 | 2424 | 2426 | 2429 | rBV2 | 1037   | 922     | 0.08%  | 0.009%  |
| 99  | 15.910 | 2433 | 2435 | 2436 | rBV2 | 1450   | 654     | 0.06%  | 0.007%  |
| 100 | 16.451 | 2526 | 2527 | 2530 | rVB2 | 1524   | 947     | 0.08%  | 0.010%  |

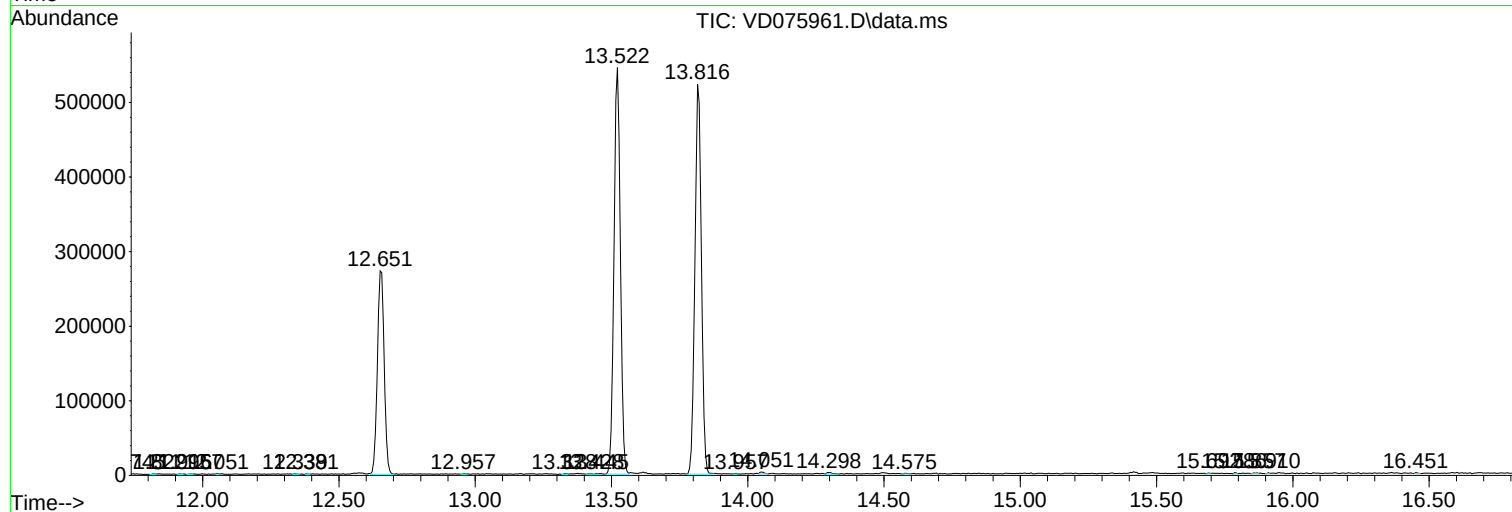
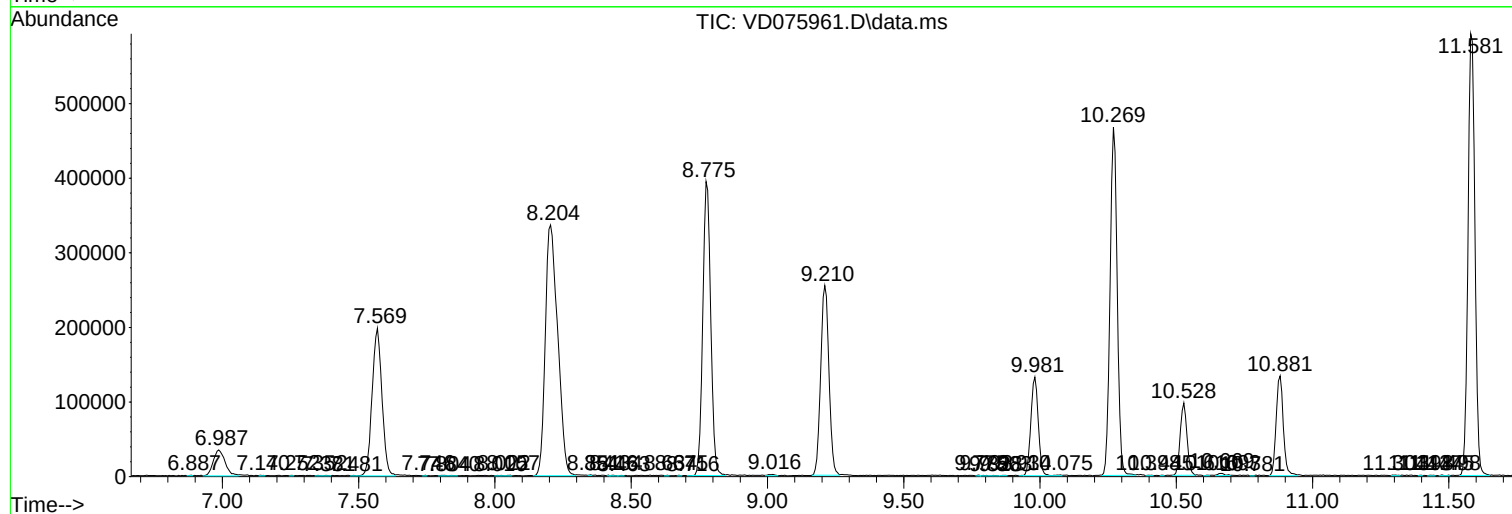
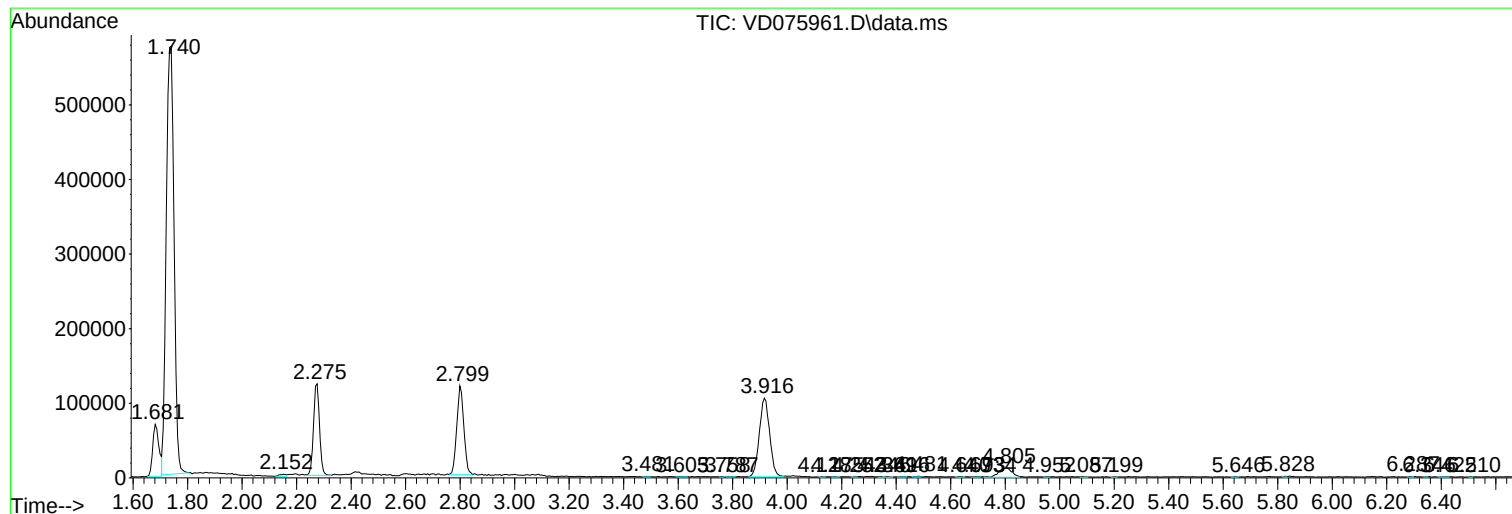
Sum of corrected areas: 9793168

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
Quant Title : SFAM01.0

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



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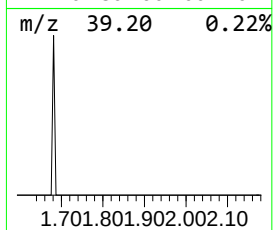
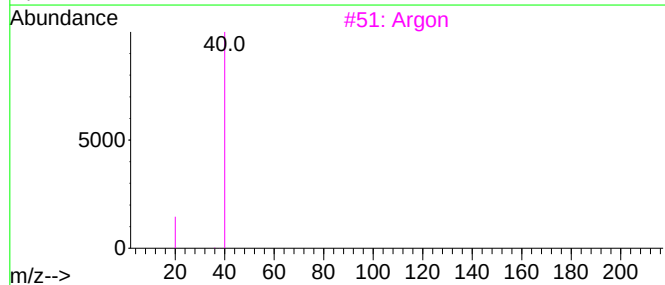
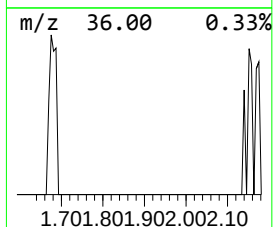
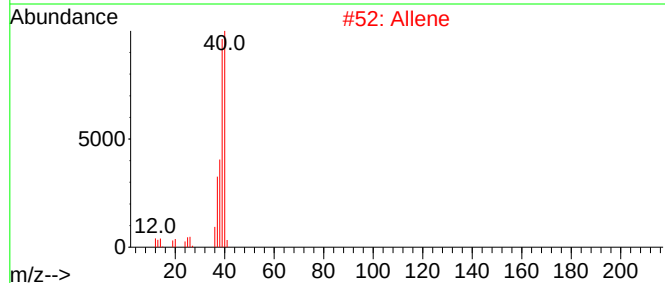
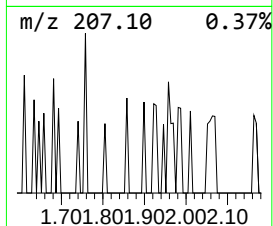
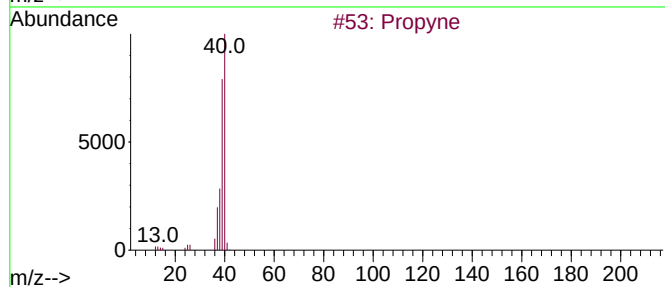
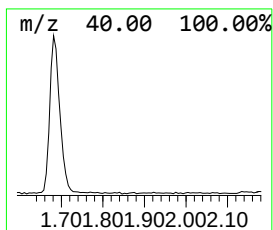
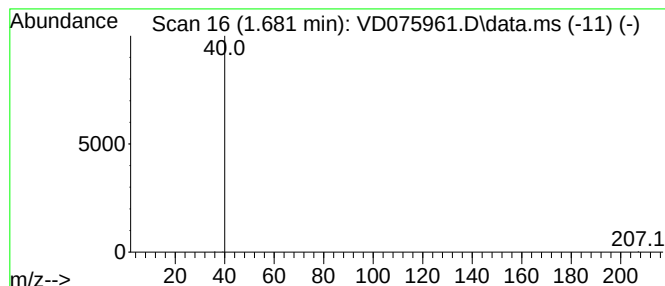
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.681 | 3.55 ug/L | 113998 | 1,4-Difluorobenzene | 8.775 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Propyne         | 40 | C3H4    | 000074-99-7 | 2    |
| 2    |    |   | Allene          | 40 | C3H4    | 000463-49-0 | 2    |
| 3    |    |   | Argon           | 40 | Ar      | 007440-37-1 | 2    |
| 4    |    |   | Borane carbonyl | 42 | CH3BO   | 013205-44-2 | 1    |
| 5    |    |   | 3-Butyn-1-ol    | 70 | C4H6O   | 000927-74-2 | 1    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 1.681 | 3.5     | ug/L  | 113998   | 1                     | 8.775 | 803630 | 25.0 |