

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120623\  
 Data File : VD077765.D  
 Acq On : 06 Dec 2023 16:47  
 Operator : JC/SY  
 Sample : VIBLK130  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK130

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\SFAMDLM112923SMA.M  
 Title : SFAM01.0

Signal : TIC: VD077765.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         | 1.693       | 13            | 18          | 21           | rBV      | 34214          | 54090         | 4.92%           | 0.644%        |
| 2         | 1.746       | 21            | 27          | 39           | rVB      | 694726         | 1099404       | 100.00%         | 13.082%       |
| 3         | 2.028       | 74            | 75          | 78           | rVB      | 3296           | 2359          | 0.21%           | 0.028%        |
| 4         | 2.075       | 78            | 83          | 88           | rBV2     | 5807           | 11725         | 1.07%           | 0.140%        |
| 5         | 2.281       | 114           | 118         | 128          | rVB      | 143749         | 221070        | 20.11%          | 2.631%        |
| 6         | 2.811       | 203           | 208         | 217          | rVB      | 115876         | 221749        | 20.17%          | 2.639%        |
| 7         | 3.581       | 338           | 339         | 342          | rVB      | 2687           | 1614          | 0.15%           | 0.019%        |
| 8         | 3.752       | 366           | 368         | 371          | rVB      | 2040           | 1097          | 0.10%           | 0.013%        |
| 9         | 3.928       | 389           | 398         | 409          | rVB      | 131942         | 336797        | 30.63%          | 4.008%        |
| 10        | 4.075       | 420           | 423         | 424          | rBV2     | 1500           | 1303          | 0.12%           | 0.016%        |
| 11        | 4.169       | 437           | 439         | 441          | rVB      | 2487           | 1753          | 0.16%           | 0.021%        |
| 12        | 4.193       | 441           | 443         | 444          | rBV      | 2376           | 1400          | 0.13%           | 0.017%        |
| 13        | 4.363       | 471           | 472         | 474          | rVB      | 2733           | 1596          | 0.15%           | 0.019%        |
| 14        | 4.381       | 474           | 475         | 478          | rBV2     | 2515           | 1998          | 0.18%           | 0.024%        |
| 15        | 4.463       | 486           | 489         | 491          | rBV2     | 3112           | 3805          | 0.35%           | 0.045%        |
| 16        | 4.516       | 497           | 498         | 501          | rBV      | 2735           | 2030          | 0.18%           | 0.024%        |
| 17        | 4.563       | 505           | 506         | 509          | rVB      | 2648           | 2424          | 0.22%           | 0.029%        |
| 18        | 4.593       | 509           | 511         | 512          | rBV2     | 2070           | 1516          | 0.14%           | 0.018%        |
| 19        | 4.605       | 512           | 513         | 514          | rVB      | 2854           | 1010          | 0.09%           | 0.012%        |
| 20        | 4.722       | 531           | 533         | 534          | rBV      | 2296           | 1477          | 0.13%           | 0.018%        |
| 21        | 4.752       | 536           | 538         | 539          | rVV      | 2134           | 1616          | 0.15%           | 0.019%        |
| 22        | 4.816       | 541           | 549         | 554          | rVV6     | 11161          | 31223         | 2.84%           | 0.372%        |
| 23        | 4.869       | 557           | 558         | 561          | rVB      | 2157           | 1962          | 0.18%           | 0.023%        |
| 24        | 4.899       | 561           | 563         | 564          | rBV      | 3354           | 1814          | 0.16%           | 0.022%        |
| 25        | 4.922       | 564           | 567         | 568          | rBV      | 1925           | 1273          | 0.12%           | 0.015%        |
| 26        | 4.940       | 568           | 570         | 571          | rBV      | 1744           | 1575          | 0.14%           | 0.019%        |
| 27        | 4.987       | 576           | 578         | 582          | rBV      | 1431           | 1750          | 0.16%           | 0.021%        |
| 28        | 5.081       | 592           | 594         | 595          | rBV      | 2643           | 1650          | 0.15%           | 0.020%        |
| 29        | 5.128       | 600           | 602         | 604          | rVB      | 2303           | 2183          | 0.20%           | 0.026%        |
| 30        | 5.157       | 604           | 607         | 609          | rBV      | 2220           | 2943          | 0.27%           | 0.035%        |
| 31        | 5.181       | 609           | 611         | 612          | rVB      | 2227           | 1246          | 0.11%           | 0.015%        |
| 32        | 5.199       | 612           | 614         | 616          | rBV2     | 1156           | 1024          | 0.09%           | 0.012%        |
| 33        | 5.234       | 618           | 620         | 623          | rVB2     | 2881           | 2795          | 0.25%           | 0.033%        |
| 34        | 5.269       | 625           | 626         | 627          | rBV      | 2087           | 1193          | 0.11%           | 0.014%        |
| 35        | 5.328       | 635           | 636         | 637          | rBV      | 2188           | 1123          | 0.10%           | 0.013%        |
| 36        | 5.363       | 641           | 642         | 647          | rVB3     | 2081           | 2406          | 0.22%           | 0.029%        |

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 ALS Vial : 7 Sample Multiplier: 1

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 VIBLK130

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\SFAMDLM112923SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 5.422  | 649  | 652  | 653  | rBV  | 1736   | 1530   | 0.14%  | 0.018%  |
| 38 | 5.510  | 663  | 667  | 668  | rVB  | 3053   | 3306   | 0.30%  | 0.039%  |
| 39 | 5.681  | 694  | 696  | 700  | rVB  | 2077   | 2245   | 0.20%  | 0.027%  |
| 40 | 5.722  | 700  | 703  | 705  | rBV  | 2336   | 2585   | 0.24%  | 0.031%  |
| 41 | 5.757  | 705  | 709  | 711  | rVB2 | 2300   | 2863   | 0.26%  | 0.034%  |
| 42 | 5.816  | 716  | 719  | 722  | rBV  | 2308   | 2404   | 0.22%  | 0.029%  |
| 43 | 6.028  | 750  | 755  | 757  | rBV2 | 2518   | 4903   | 0.45%  | 0.058%  |
| 44 | 6.099  | 766  | 767  | 771  | rBV  | 2178   | 1959   | 0.18%  | 0.023%  |
| 45 | 6.128  | 771  | 772  | 774  | rVB  | 3017   | 1163   | 0.11%  | 0.014%  |
| 46 | 6.193  | 781  | 783  | 784  | rVB  | 2613   | 1625   | 0.15%  | 0.019%  |
| 47 | 6.204  | 784  | 785  | 788  | rBV2 | 2416   | 2624   | 0.24%  | 0.031%  |
| 48 | 6.252  | 791  | 793  | 794  | rBV  | 2210   | 1240   | 0.11%  | 0.015%  |
| 49 | 6.322  | 803  | 805  | 808  | rVB2 | 2222   | 1806   | 0.16%  | 0.021%  |
| 50 | 6.522  | 837  | 839  | 841  | rBV2 | 2610   | 2303   | 0.21%  | 0.027%  |
| 51 | 6.569  | 846  | 847  | 851  | rBV  | 1382   | 1793   | 0.16%  | 0.021%  |
| 52 | 6.599  | 851  | 852  | 854  | rBV  | 1936   | 1344   | 0.12%  | 0.016%  |
| 53 | 6.681  | 863  | 866  | 867  | rBV  | 2463   | 1655   | 0.15%  | 0.020%  |
| 54 | 6.710  | 867  | 871  | 872  | rBV  | 2174   | 2057   | 0.19%  | 0.024%  |
| 55 | 6.852  | 893  | 895  | 896  | rBV  | 1715   | 1191   | 0.11%  | 0.014%  |
| 56 | 6.869  | 896  | 898  | 899  | rBV2 | 1948   | 1891   | 0.17%  | 0.023%  |
| 57 | 6.987  | 911  | 918  | 926  | rBV2 | 21532  | 58380  | 5.31%  | 0.695%  |
| 58 | 7.240  | 959  | 961  | 962  | rVB  | 2731   | 1350   | 0.12%  | 0.016%  |
| 59 | 7.287  | 967  | 969  | 970  | rVB  | 2321   | 1116   | 0.10%  | 0.013%  |
| 60 | 7.310  | 970  | 973  | 974  | rBV2 | 2338   | 2631   | 0.24%  | 0.031%  |
| 61 | 7.416  | 989  | 991  | 992  | rBV  | 2439   | 1485   | 0.14%  | 0.018%  |
| 62 | 7.499  | 1003 | 1005 | 1006 | rBV  | 1728   | 1157   | 0.11%  | 0.014%  |
| 63 | 7.575  | 1009 | 1018 | 1027 | rVV  | 155167 | 394457 | 35.88% | 4.694%  |
| 64 | 7.993  | 1088 | 1089 | 1092 | rBV2 | 2397   | 1638   | 0.15%  | 0.019%  |
| 65 | 8.134  | 1111 | 1113 | 1116 | rBV2 | 2019   | 2232   | 0.20%  | 0.027%  |
| 66 | 8.204  | 1116 | 1125 | 1138 | rBV2 | 322544 | 939847 | 85.49% | 11.184% |
| 67 | 8.351  | 1149 | 1150 | 1154 | rBV2 | 3158   | 3201   | 0.29%  | 0.038%  |
| 68 | 8.651  | 1198 | 1201 | 1202 | rBV  | 2665   | 2255   | 0.21%  | 0.027%  |
| 69 | 8.781  | 1215 | 1223 | 1234 | rVB  | 305428 | 619021 | 56.31% | 7.366%  |
| 70 | 9.163  | 1286 | 1288 | 1289 | rBV  | 3113   | 2702   | 0.25%  | 0.032%  |
| 71 | 9.210  | 1289 | 1296 | 1307 | rVB  | 200740 | 424652 | 38.63% | 5.053%  |
| 72 | 9.604  | 1361 | 1363 | 1365 | rBV2 | 2882   | 2844   | 0.26%  | 0.034%  |
| 73 | 9.740  | 1383 | 1386 | 1387 | rBV  | 2646   | 2917   | 0.27%  | 0.035%  |
| 74 | 9.851  | 1404 | 1405 | 1407 | rBV  | 2241   | 1915   | 0.17%  | 0.023%  |
| 75 | 9.981  | 1421 | 1427 | 1436 | rVB  | 116638 | 212670 | 19.34% | 2.531%  |
| 76 | 10.216 | 1465 | 1467 | 1470 | rBV  | 2770   | 3184   | 0.29%  | 0.038%  |

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 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK130

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\SFAMDLM112923SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.275 | 1470 | 1477 | 1490 | rVV  | 444019 | 827030 | 75.23% | 9.841% |
| 78  | 10.528 | 1514 | 1520 | 1530 | rVB2 | 75285  | 137318 | 12.49% | 1.634% |
| 79  | 10.663 | 1538 | 1543 | 1550 | rBV  | 62654  | 112370 | 10.22% | 1.337% |
| 80  | 10.881 | 1574 | 1580 | 1590 | rVB  | 86351  | 152069 | 13.83% | 1.810% |
| 81  | 11.034 | 1600 | 1606 | 1613 | rVB2 | 18620  | 32435  | 2.95%  | 0.386% |
| 82  | 11.304 | 1650 | 1652 | 1653 | rBV  | 3257   | 2350   | 0.21%  | 0.028% |
| 83  | 11.587 | 1693 | 1700 | 1708 | rBV  | 435519 | 751072 | 68.32% | 8.937% |
| 84  | 12.039 | 1775 | 1777 | 1779 | rVB  | 3010   | 2637   | 0.24%  | 0.031% |
| 85  | 12.063 | 1779 | 1781 | 1782 | rBV  | 3913   | 3191   | 0.29%  | 0.038% |
| 86  | 12.581 | 1863 | 1869 | 1874 | rBV2 | 58265  | 97189  | 8.84%  | 1.157% |
| 87  | 12.657 | 1875 | 1882 | 1888 | rVB  | 131993 | 227895 | 20.73% | 2.712% |
| 88  | 12.851 | 1913 | 1915 | 1916 | rBV  | 3203   | 1783   | 0.16%  | 0.021% |
| 89  | 12.904 | 1921 | 1924 | 1925 | rBV2 | 4123   | 3900   | 0.35%  | 0.046% |
| 90  | 13.522 | 2022 | 2029 | 2038 | rBV  | 411023 | 675554 | 61.45% | 8.039% |
| 91  | 13.657 | 2050 | 2052 | 2055 | rBV  | 3330   | 3602   | 0.33%  | 0.043% |
| 92  | 13.722 | 2061 | 2063 | 2064 | rBV  | 3197   | 2378   | 0.22%  | 0.028% |
| 93  | 13.816 | 2073 | 2079 | 2086 | rVB  | 332077 | 555677 | 50.54% | 6.612% |
| 94  | 14.051 | 2114 | 2119 | 2127 | rBV2 | 28788  | 49006  | 4.46%  | 0.583% |
| 95  | 14.880 | 2258 | 2260 | 2262 | rVB  | 4748   | 2967   | 0.27%  | 0.035% |
| 96  | 14.898 | 2262 | 2263 | 2265 | rBV  | 2859   | 1948   | 0.18%  | 0.023% |
| 97  | 15.116 | 2298 | 2300 | 2302 | rBV  | 3214   | 3393   | 0.31%  | 0.040% |
| 98  | 15.204 | 2314 | 2315 | 2317 | rBV  | 3853   | 3170   | 0.29%  | 0.038% |
| 99  | 15.480 | 2361 | 2362 | 2365 | rVB2 | 4263   | 2330   | 0.21%  | 0.028% |
| 100 | 16.751 | 2576 | 2578 | 2581 | rVB  | 3156   | 2311   | 0.21%  | 0.027% |

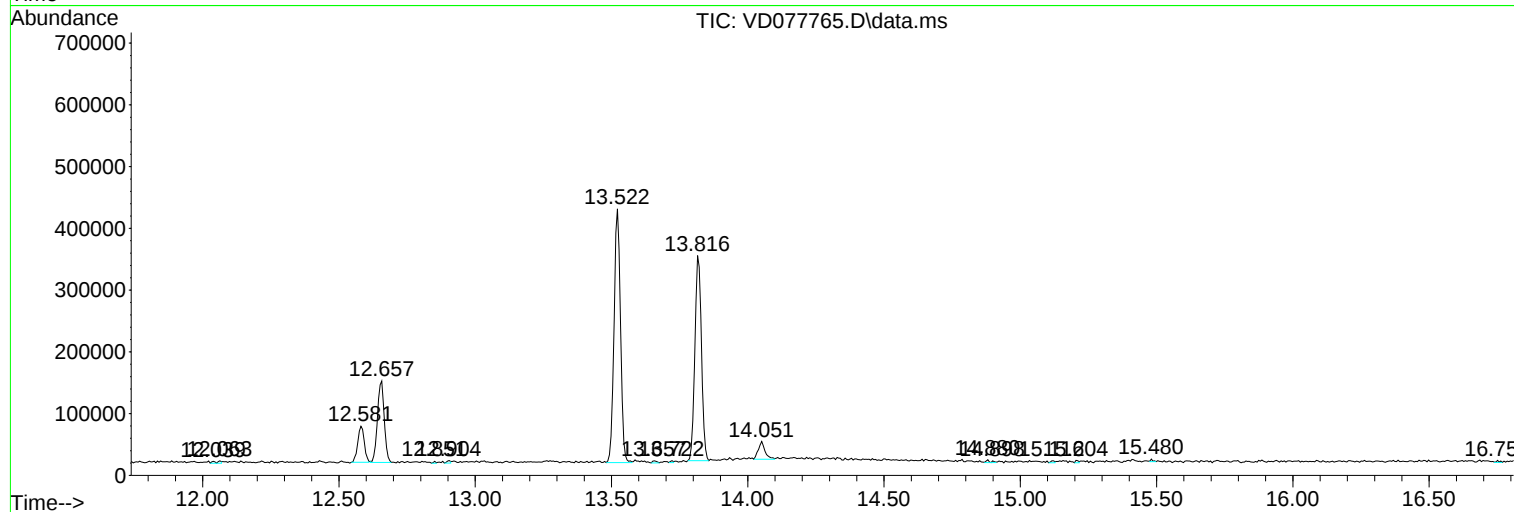
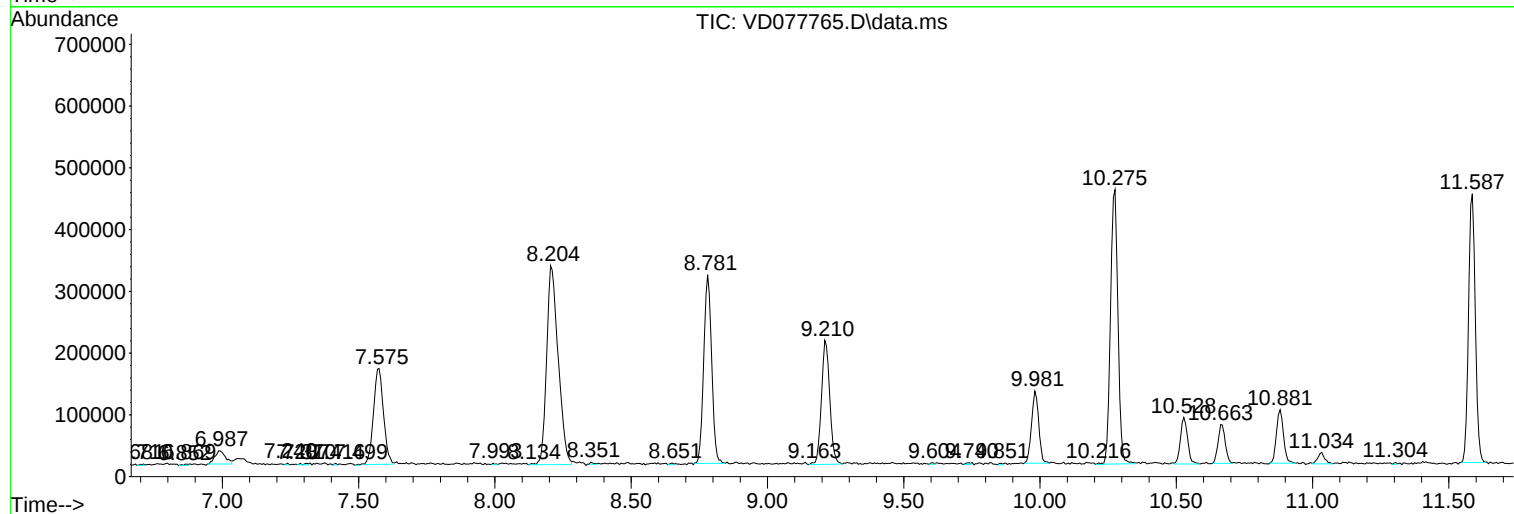
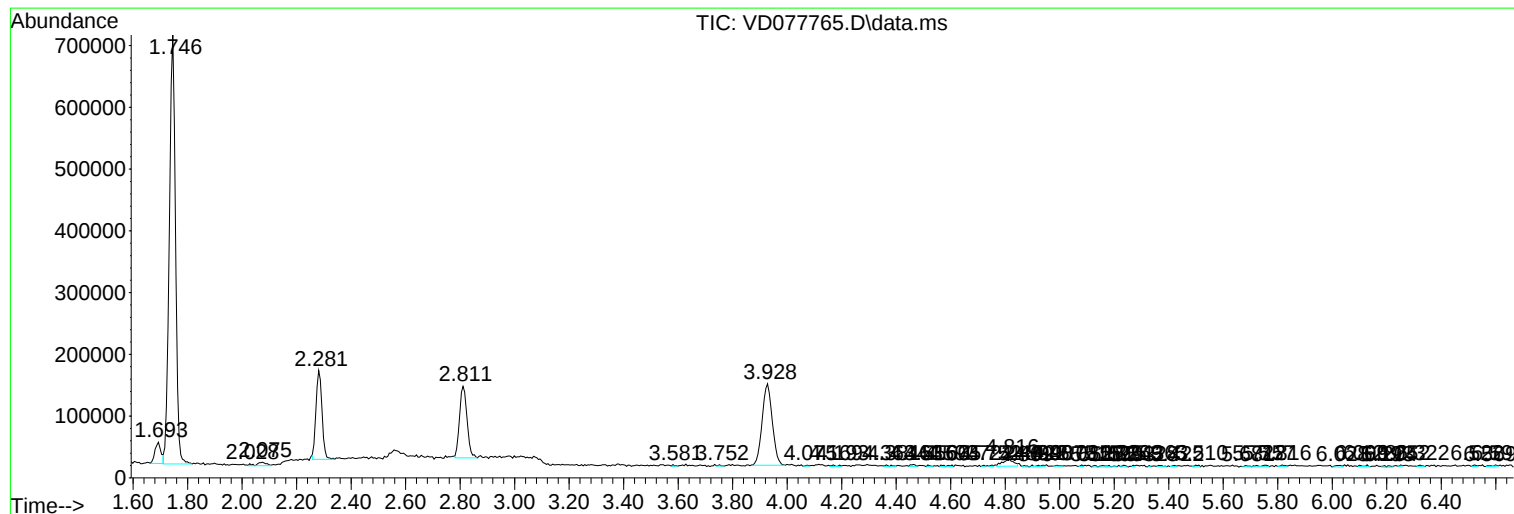
Sum of corrected areas: 8403709

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK130

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0

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



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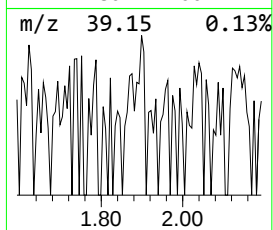
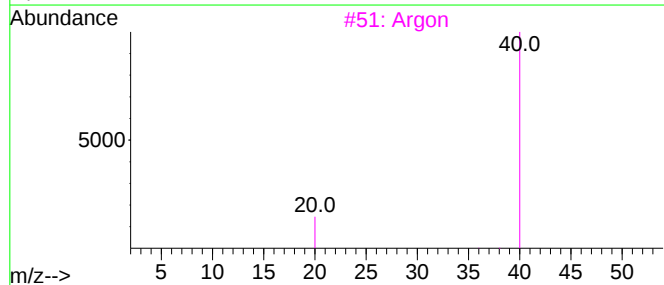
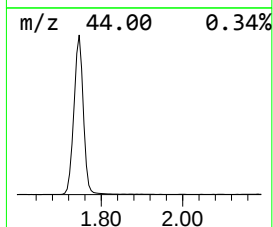
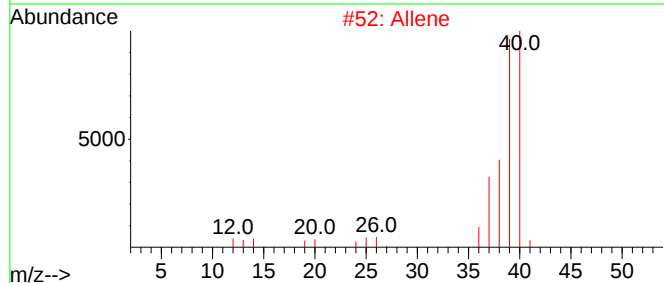
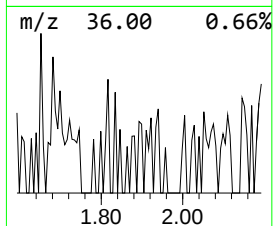
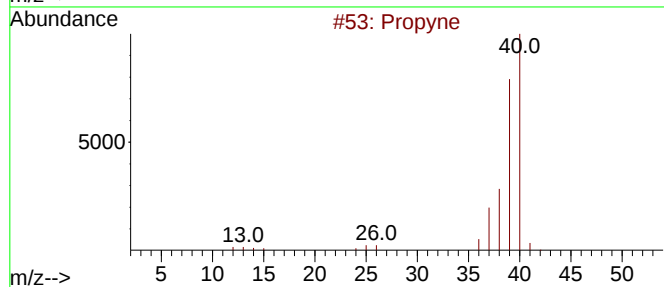
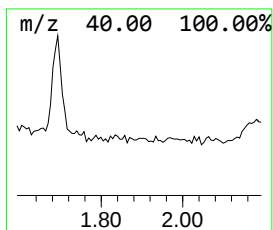
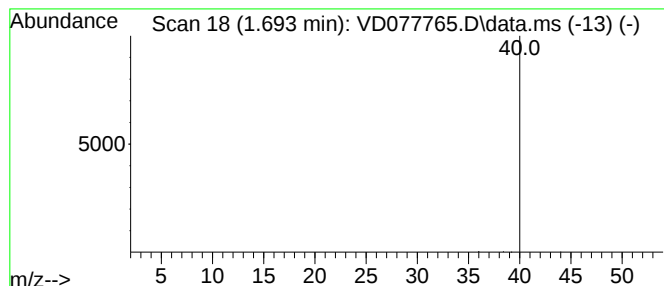
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM112923SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 unknown-01 Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.693 | 2.18 ug/L | 54090 | 1,4-Difluorobenzene | 8.781 |

| 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    |    |   | 1,2-Ethanediol  | 62 | C2H6O2  | 000107-21-1 | 1    |



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Quant Title : SFAM01.0

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 1.693 | 2.2     | ug/L  | 54090    | 1                     | 8.781 | 619021 | 25.0 |