

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042523\  
 Data File : VD075819.D  
 Acq On : 25 Apr 2023 18:53  
 Operator : KP/SY  
 Sample : 02419-13  
 Misc : 4.32G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EW926

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: VD075819.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       | 12            | 18          | 20           | rBV      | 3605           | 5607          | 0.40%           | 0.051%        |
| 2         | 1.734       | 20            | 25          | 35           | rVB      | 107817         | 188599        | 13.31%          | 1.713%        |
| 3         | 2.099       | 84            | 87          | 90           | rVB2     | 823            | 931           | 0.07%           | 0.008%        |
| 4         | 2.152       | 92            | 96          | 97           | rBV2     | 1921           | 2374          | 0.17%           | 0.022%        |
| 5         | 2.275       | 111           | 117         | 125          | rBV      | 230349         | 325247        | 22.95%          | 2.955%        |
| 6         | 2.805       | 200           | 207         | 214          | rBV      | 183462         | 329452        | 23.24%          | 2.993%        |
| 7         | 2.928       | 226           | 228         | 229          | rBV      | 2052           | 1540          | 0.11%           | 0.014%        |
| 8         | 3.216       | 275           | 277         | 279          | rVB2     | 1123           | 662           | 0.05%           | 0.006%        |
| 9         | 3.240       | 279           | 281         | 283          | rBV      | 704            | 635           | 0.04%           | 0.006%        |
| 10        | 3.328       | 292           | 296         | 297          | rBV2     | 541            | 451           | 0.03%           | 0.004%        |
| 11        | 3.387       | 304           | 306         | 307          | rBV      | 826            | 598           | 0.04%           | 0.005%        |
| 12        | 3.528       | 328           | 330         | 331          | rBV2     | 509            | 312           | 0.02%           | 0.003%        |
| 13        | 3.546       | 331           | 333         | 335          | rVB2     | 796            | 680           | 0.05%           | 0.006%        |
| 14        | 3.569       | 335           | 337         | 338          | rBV      | 549            | 322           | 0.02%           | 0.003%        |
| 15        | 3.587       | 338           | 340         | 341          | rBV      | 505            | 319           | 0.02%           | 0.003%        |
| 16        | 3.811       | 375           | 378         | 379          | rBV2     | 758            | 759           | 0.05%           | 0.007%        |
| 17        | 3.852       | 383           | 385         | 386          | rBV      | 538            | 359           | 0.03%           | 0.003%        |
| 18        | 3.922       | 386           | 397         | 408          | rBV      | 177913         | 472898        | 33.36%          | 4.296%        |
| 19        | 4.111       | 427           | 429         | 430          | rBV      | 548            | 422           | 0.03%           | 0.004%        |
| 20        | 4.193       | 442           | 443         | 445          | rBV      | 932            | 640           | 0.05%           | 0.006%        |
| 21        | 4.216       | 445           | 447         | 449          | rVV      | 616            | 531           | 0.04%           | 0.005%        |
| 22        | 4.252       | 452           | 453         | 454          | rBV      | 807            | 497           | 0.04%           | 0.005%        |
| 23        | 4.352       | 468           | 470         | 471          | rVB      | 941            | 396           | 0.03%           | 0.004%        |
| 24        | 4.411       | 478           | 480         | 482          | rVB2     | 493            | 313           | 0.02%           | 0.003%        |
| 25        | 4.587       | 508           | 510         | 511          | rVB      | 507            | 342           | 0.02%           | 0.003%        |
| 26        | 4.669       | 522           | 524         | 525          | rVB      | 608            | 336           | 0.02%           | 0.003%        |
| 27        | 4.687       | 525           | 527         | 528          | rBV      | 420            | 385           | 0.03%           | 0.003%        |
| 28        | 4.799       | 536           | 546         | 556          | rBV2     | 28210          | 84798         | 5.98%           | 0.770%        |
| 29        | 4.946       | 569           | 571         | 574          | rBV      | 311            | 465           | 0.03%           | 0.004%        |
| 30        | 5.011       | 580           | 582         | 585          | rBV      | 575            | 688           | 0.05%           | 0.006%        |
| 31        | 5.305       | 630           | 632         | 633          | rVB      | 492            | 294           | 0.02%           | 0.003%        |
| 32        | 5.410       | 647           | 650         | 651          | rBV      | 848            | 934           | 0.07%           | 0.008%        |
| 33        | 5.552       | 669           | 674         | 675          | rBV2     | 449            | 664           | 0.05%           | 0.006%        |
| 34        | 5.593       | 680           | 681         | 686          | rVV      | 695            | 632           | 0.04%           | 0.006%        |
| 35        | 5.658       | 690           | 692         | 694          | rBV      | 364            | 425           | 0.03%           | 0.004%        |
| 36        | 5.840       | 717           | 723         | 731          | rBV6     | 2413           | 6354          | 0.45%           | 0.058%        |

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 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 5.899  | 731  | 733  | 734  | rBV  | 502    | 379     | 0.03%   | 0.003%  |
| 38 | 6.005  | 750  | 751  | 754  | rBV  | 637    | 361     | 0.03%   | 0.003%  |
| 39 | 6.199  | 782  | 784  | 785  | rBV  | 428    | 310     | 0.02%   | 0.003%  |
| 40 | 6.310  | 801  | 803  | 805  | rBV  | 635    | 444     | 0.03%   | 0.004%  |
| 41 | 6.781  | 881  | 883  | 885  | rVB2 | 406    | 370     | 0.03%   | 0.003%  |
| 42 | 6.869  | 896  | 898  | 902  | rVB2 | 502    | 488     | 0.03%   | 0.004%  |
| 43 | 6.981  | 907  | 917  | 926  | rBV2 | 25799  | 75689   | 5.34%   | 0.688%  |
| 44 | 7.175  | 948  | 950  | 952  | rBV2 | 669    | 626     | 0.04%   | 0.006%  |
| 45 | 7.363  | 980  | 982  | 984  | rVB  | 591    | 427     | 0.03%   | 0.004%  |
| 46 | 7.387  | 984  | 986  | 987  | rBV  | 510    | 413     | 0.03%   | 0.004%  |
| 47 | 7.452  | 995  | 997  | 998  | rBV  | 718    | 408     | 0.03%   | 0.004%  |
| 48 | 7.569  | 1006 | 1017 | 1034 | rVV  | 253569 | 656026  | 46.28%  | 5.959%  |
| 49 | 7.863  | 1066 | 1067 | 1069 | rBV  | 492    | 288     | 0.02%   | 0.003%  |
| 50 | 7.887  | 1069 | 1071 | 1072 | rVV2 | 777    | 522     | 0.04%   | 0.005%  |
| 51 | 8.057  | 1098 | 1100 | 1101 | rBV  | 443    | 298     | 0.02%   | 0.003%  |
| 52 | 8.110  | 1107 | 1109 | 1110 | rBV  | 459    | 361     | 0.03%   | 0.003%  |
| 53 | 8.204  | 1114 | 1125 | 1146 | rVV2 | 499241 | 1417435 | 100.00% | 12.876% |
| 54 | 8.369  | 1151 | 1153 | 1155 | rVV2 | 590    | 368     | 0.03%   | 0.003%  |
| 55 | 8.622  | 1194 | 1196 | 1198 | rBV2 | 716    | 473     | 0.03%   | 0.004%  |
| 56 | 8.687  | 1205 | 1207 | 1209 | rBV  | 599    | 639     | 0.05%   | 0.006%  |
| 57 | 8.775  | 1214 | 1222 | 1236 | rVV  | 587654 | 1186687 | 83.72%  | 10.780% |
| 58 | 9.010  | 1256 | 1262 | 1271 | rVB2 | 34645  | 71980   | 5.08%   | 0.654%  |
| 59 | 9.210  | 1287 | 1296 | 1308 | rBV  | 322191 | 664560  | 46.88%  | 6.037%  |
| 60 | 9.434  | 1332 | 1334 | 1335 | rBV  | 454    | 275     | 0.02%   | 0.002%  |
| 61 | 9.522  | 1344 | 1349 | 1351 | rBV2 | 656    | 850     | 0.06%   | 0.008%  |
| 62 | 9.781  | 1391 | 1393 | 1394 | rBV  | 518    | 272     | 0.02%   | 0.002%  |
| 63 | 9.910  | 1413 | 1415 | 1419 | rBV2 | 539    | 844     | 0.06%   | 0.008%  |
| 64 | 9.981  | 1419 | 1427 | 1435 | rBV  | 163018 | 299176  | 21.11%  | 2.718%  |
| 65 | 10.104 | 1444 | 1448 | 1449 | rBV  | 488    | 506     | 0.04%   | 0.005%  |
| 66 | 10.269 | 1468 | 1476 | 1491 | rBV  | 691557 | 1223341 | 86.31%  | 11.113% |
| 67 | 10.528 | 1513 | 1520 | 1529 | rVV  | 104265 | 183343  | 12.93%  | 1.666%  |
| 68 | 10.616 | 1533 | 1535 | 1536 | rBV  | 531    | 364     | 0.03%   | 0.003%  |
| 69 | 10.663 | 1538 | 1543 | 1550 | rVB2 | 10447  | 20264   | 1.43%   | 0.184%  |
| 70 | 10.816 | 1564 | 1569 | 1572 | rBV4 | 2377   | 3552    | 0.25%   | 0.032%  |
| 71 | 10.881 | 1573 | 1580 | 1591 | rBV  | 97138  | 173799  | 12.26%  | 1.579%  |
| 72 | 11.028 | 1600 | 1605 | 1611 | rBV4 | 7157   | 11966   | 0.84%   | 0.109%  |
| 73 | 11.351 | 1657 | 1660 | 1664 | rBV2 | 864    | 1143    | 0.08%   | 0.010%  |
| 74 | 11.404 | 1664 | 1669 | 1674 | rVB3 | 2454   | 3973    | 0.28%   | 0.036%  |
| 75 | 11.481 | 1681 | 1682 | 1685 | rBV  | 679    | 569     | 0.04%   | 0.005%  |
| 76 | 11.581 | 1691 | 1699 | 1710 | rBV  | 813567 | 1395049 | 98.42%  | 12.673% |

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Integration Parameters: LSCINT.P

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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  | 11.734 | 1723 | 1725 | 1726 | rBV2 | 625    | 490     | 0.03%  | 0.004% |
| 78  | 11.793 | 1731 | 1735 | 1742 | rBV2 | 1970   | 3813    | 0.27%  | 0.035% |
| 79  | 11.916 | 1754 | 1756 | 1758 | rVV  | 563    | 454     | 0.03%  | 0.004% |
| 80  | 12.004 | 1769 | 1771 | 1772 | rBV  | 756    | 436     | 0.03%  | 0.004% |
| 81  | 12.116 | 1787 | 1790 | 1797 | rVB5 | 2309   | 4144    | 0.29%  | 0.038% |
| 82  | 12.257 | 1812 | 1814 | 1815 | rBV  | 586    | 356     | 0.03%  | 0.003% |
| 83  | 12.298 | 1819 | 1821 | 1823 | rBV  | 592    | 540     | 0.04%  | 0.005% |
| 84  | 12.416 | 1840 | 1841 | 1844 | rBV  | 639    | 768     | 0.05%  | 0.007% |
| 85  | 12.581 | 1864 | 1869 | 1874 | rBV2 | 8304   | 12508   | 0.88%  | 0.114% |
| 86  | 12.651 | 1874 | 1881 | 1890 | rVB  | 229396 | 370226  | 26.12% | 3.363% |
| 87  | 12.716 | 1890 | 1892 | 1894 | rBV  | 635    | 592     | 0.04%  | 0.005% |
| 88  | 12.769 | 1899 | 1901 | 1904 | rVB2 | 965    | 1000    | 0.07%  | 0.009% |
| 89  | 12.798 | 1904 | 1906 | 1909 | rBV2 | 828    | 1012    | 0.07%  | 0.009% |
| 90  | 12.987 | 1936 | 1938 | 1939 | rBV  | 1003   | 625     | 0.04%  | 0.006% |
| 91  | 13.128 | 1960 | 1962 | 1966 | rVB  | 700    | 516     | 0.04%  | 0.005% |
| 92  | 13.175 | 1969 | 1970 | 1971 | rBV  | 968    | 387     | 0.03%  | 0.004% |
| 93  | 13.516 | 2021 | 2028 | 2039 | rBV  | 614643 | 1019749 | 71.94% | 9.263% |
| 94  | 13.816 | 2072 | 2079 | 2088 | rBV  | 465406 | 748160  | 52.78% | 6.796% |
| 95  | 14.039 | 2115 | 2117 | 2119 | rBV2 | 1963   | 2163    | 0.15%  | 0.020% |
| 96  | 14.422 | 2180 | 2182 | 2183 | rBV  | 946    | 573     | 0.04%  | 0.005% |
| 97  | 15.081 | 2292 | 2294 | 2296 | rBV2 | 1298   | 831     | 0.06%  | 0.008% |
| 98  | 15.322 | 2333 | 2335 | 2336 | rBV2 | 1087   | 776     | 0.05%  | 0.007% |
| 99  | 15.481 | 2357 | 2362 | 2368 | rBV3 | 3845   | 7693    | 0.54%  | 0.070% |
| 100 | 15.586 | 2378 | 2380 | 2382 | rBV  | 1092   | 761     | 0.05%  | 0.007% |

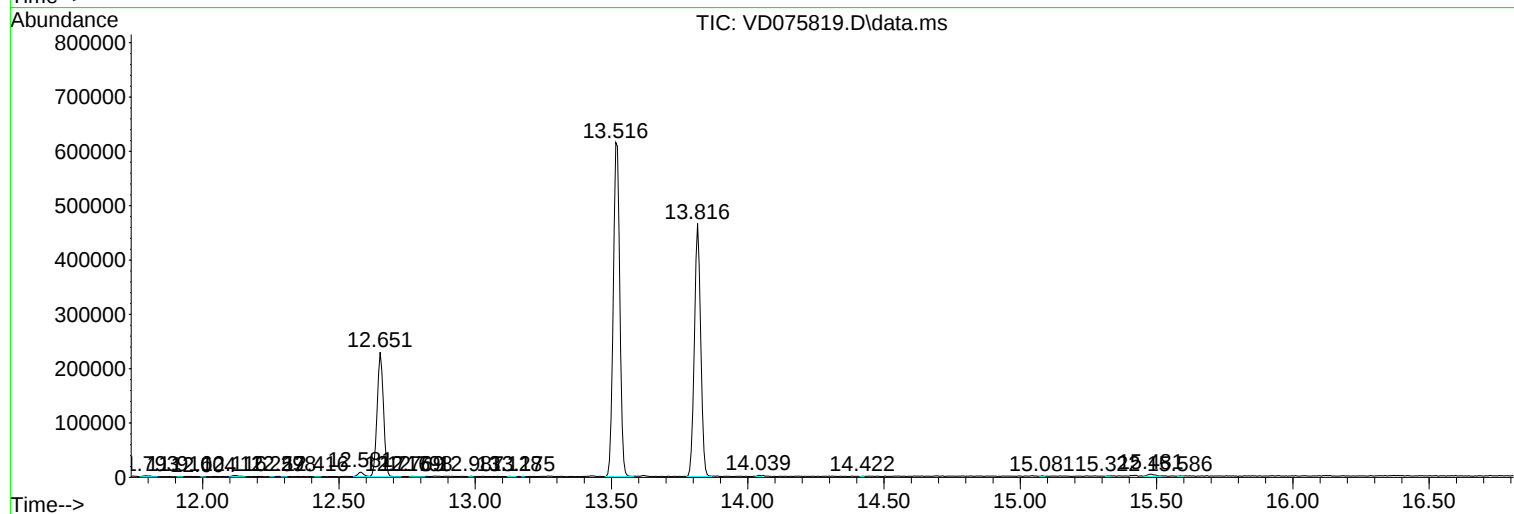
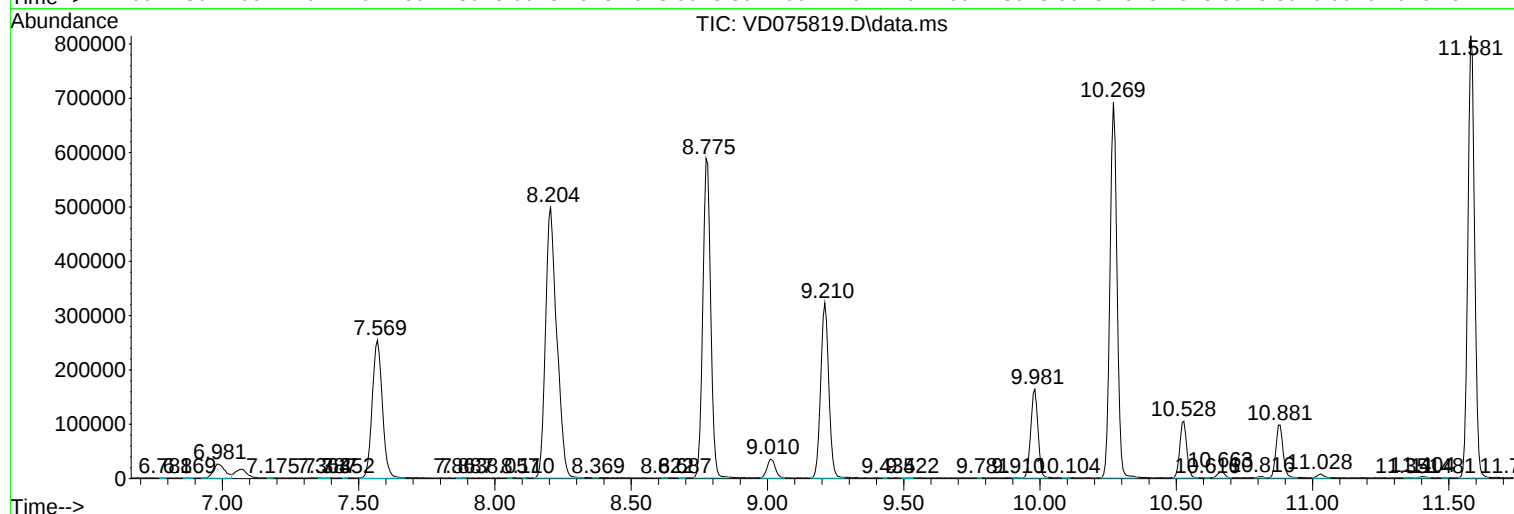
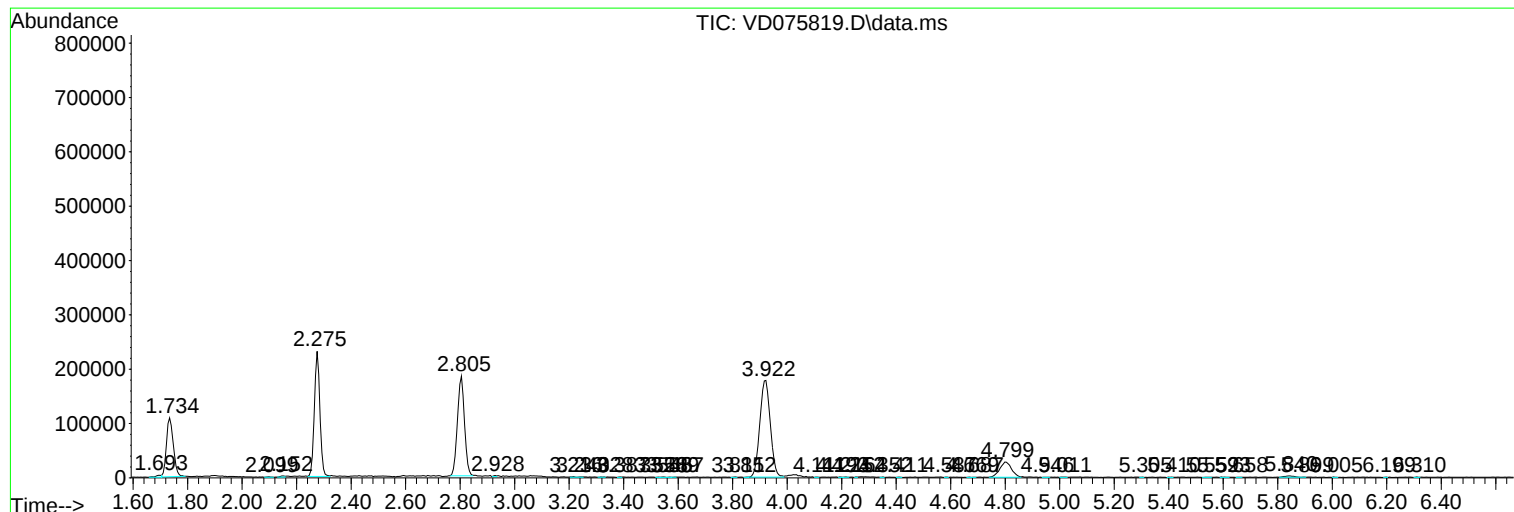
Sum of corrected areas: 11008272

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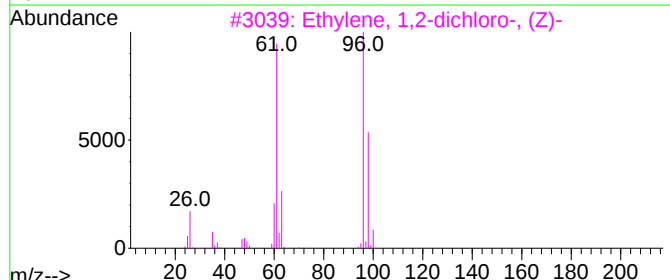
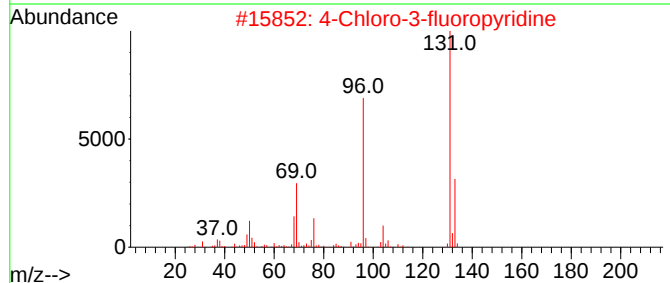
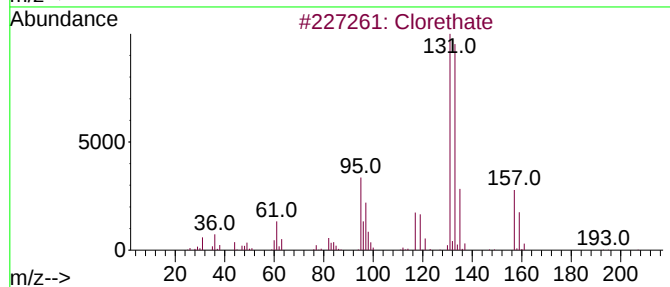
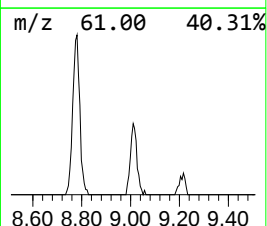
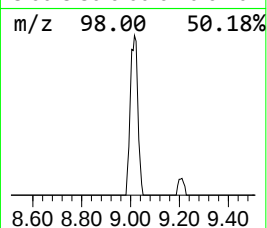
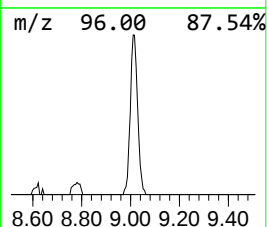
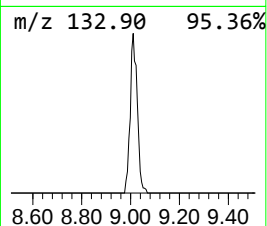
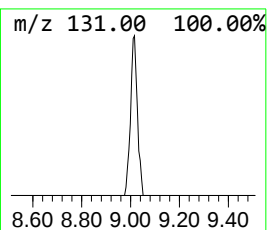
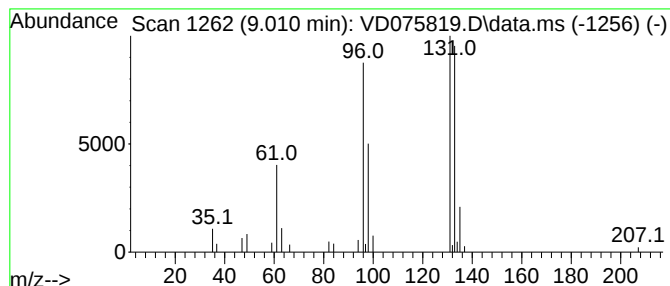
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.010 | 1.52 ug/L | 71980 | 1,4-Difluorobenzene | 8.775 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|---|------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Clorethate                         | 322 | C5H4Cl6O3 | 005634-37-7 | 43   |
| 2    |    |   | 4-Chloro-3-fluoropyridine          | 131 | C5H3ClFN  | 002546-56-7 | 38   |
| 3    |    |   | Ethylene, 1,2-dichloro-, (Z)-      | 96  | C2H2Cl2   | 000156-59-2 | 35   |
| 4    |    |   | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 16   |
| 5    |    |   | 2-Chloro-5-methylthiazole          | 133 | C4H4ClNS  | 033342-65-3 | 10   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 9.010 | 1.5     | ug/L  | 71980    | 1                     | 8.775 | 1186690 | 25.0 |