

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062724\  
 Data File : VW029372.D  
 Acq On : 27 Jun 2024 11:09  
 Operator : SY/MD  
 Sample : P3080-12DL 2X  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GCL47DL

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\SFAMWLM061824SMA.M  
 Title : SFAM01.0

Signal : TIC: VW029372.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         | 2.015       | 16            | 21          | 34           | rVB      | 10918          | 30103         | 3.48%           | 0.238%        |
| 2         | 2.223       | 52            | 55          | 57           | rBV4     | 1210           | 1599          | 0.18%           | 0.013%        |
| 3         | 2.369       | 72            | 79          | 96           | rVB2     | 58369          | 143879        | 16.64%          | 1.136%        |
| 4         | 2.899       | 160           | 166         | 188          | rVB3     | 32218          | 143340        | 16.57%          | 1.131%        |
| 5         | 3.289       | 229           | 230         | 233          | rBV2     | 737            | 589           | 0.07%           | 0.005%        |
| 6         | 3.503       | 261           | 265         | 266          | rBV4     | 564            | 618           | 0.07%           | 0.005%        |
| 7         | 3.533       | 268           | 270         | 273          | rBV3     | 665            | 788           | 0.09%           | 0.006%        |
| 8         | 3.832       | 317           | 319         | 325          | rVB3     | 635            | 792           | 0.09%           | 0.006%        |
| 9         | 3.905       | 328           | 331         | 334          | rVB2     | 661            | 792           | 0.09%           | 0.006%        |
| 10        | 4.027       | 336           | 351         | 360          | rBV2     | 99935          | 351303        | 40.62%          | 2.773%        |
| 11        | 4.119       | 360           | 366         | 380          | rVB      | 76129          | 215046        | 24.87%          | 1.697%        |
| 12        | 4.393       | 400           | 411         | 427          | rBV      | 53149          | 172515        | 19.95%          | 1.362%        |
| 13        | 4.759       | 469           | 471         | 473          | rBV2     | 628            | 580           | 0.07%           | 0.005%        |
| 14        | 4.917       | 483           | 497         | 524          | rBV      | 93231          | 357952        | 41.39%          | 2.825%        |
| 15        | 5.094       | 524           | 526         | 530          | rVV5     | 767            | 1126          | 0.13%           | 0.009%        |
| 16        | 5.155       | 534           | 536         | 540          | rVB4     | 970            | 1221          | 0.14%           | 0.010%        |
| 17        | 5.252       | 549           | 552         | 557          | rVB5     | 714            | 1257          | 0.15%           | 0.010%        |
| 18        | 5.429       | 570           | 581         | 597          | rBV2     | 82281          | 250450        | 28.96%          | 1.977%        |
| 19        | 5.588       | 603           | 607         | 610          | rBV6     | 465            | 705           | 0.08%           | 0.006%        |
| 20        | 5.771       | 634           | 637         | 642          | rBV4     | 526            | 876           | 0.10%           | 0.007%        |
| 21        | 5.941       | 656           | 665         | 675          | rBV2     | 11814          | 38303         | 4.43%           | 0.302%        |
| 22        | 6.222       | 699           | 711         | 723          | rBV2     | 27717          | 86395         | 9.99%           | 0.682%        |
| 23        | 6.673       | 780           | 785         | 788          | rVB3     | 533            | 891           | 0.10%           | 0.007%        |
| 24        | 6.905       | 818           | 823         | 824          | rBV3     | 643            | 819           | 0.09%           | 0.006%        |
| 25        | 7.075       | 844           | 851         | 857          | rVV      | 26004          | 74191         | 8.58%           | 0.586%        |
| 26        | 7.173       | 858           | 867         | 884          | rVB2     | 109853         | 322503        | 37.29%          | 2.545%        |
| 27        | 7.313       | 889           | 890         | 895          | rVB4     | 610            | 584           | 0.07%           | 0.005%        |
| 28        | 7.514       | 913           | 923         | 936          | rVV      | 103229         | 258475        | 29.89%          | 2.040%        |
| 29        | 7.648       | 936           | 945         | 959          | rVV3     | 155802         | 471759        | 54.55%          | 3.724%        |
| 30        | 7.874       | 971           | 982         | 1000         | rVB      | 153850         | 401425        | 46.42%          | 3.168%        |
| 31        | 8.069       | 1003          | 1014        | 1031         | rBV      | 57921          | 145515        | 16.83%          | 1.149%        |
| 32        | 8.276       | 1038          | 1048        | 1065         | rBV2     | 289550         | 864832        | 100.00%         | 6.826%        |
| 33        | 8.642       | 1104          | 1108        | 1109         | rBV3     | 539            | 658           | 0.08%           | 0.005%        |
| 34        | 8.666       | 1110          | 1112        | 1114         | rBV3     | 788            | 791           | 0.09%           | 0.006%        |
| 35        | 8.843       | 1130          | 1141        | 1155         | rBV      | 326891         | 661801        | 76.52%          | 5.224%        |
| 36        | 8.983       | 1159          | 1164        | 1165         | rVB4     | 670            | 899           | 0.10%           | 0.007%        |

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 ClientSampleId :  
 GCL47DL

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\SFAMWLM061824SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 37 | 9.002  | 1165 | 1167 | 1171 | rVB4  | 763    | 935    | 0.11%  | 0.007% |
| 38 | 9.093  | 1173 | 1182 | 1197 | rVB   | 187961 | 374981 | 43.36% | 2.960% |
| 39 | 9.270  | 1203 | 1211 | 1220 | rBV   | 201500 | 416440 | 48.15% | 3.287% |
| 40 | 9.368  | 1220 | 1227 | 1236 | rVB   | 111196 | 222542 | 25.73% | 1.757% |
| 41 | 9.447  | 1236 | 1240 | 1248 | rVB3  | 3493   | 7641   | 0.88%  | 0.060% |
| 42 | 9.508  | 1248 | 1250 | 1253 | rVB3  | 722    | 700    | 0.08%  | 0.006% |
| 43 | 9.642  | 1264 | 1272 | 1279 | rBV   | 49704  | 99454  | 11.50% | 0.785% |
| 44 | 10.032 | 1330 | 1336 | 1340 | rBV   | 108465 | 200659 | 23.20% | 1.584% |
| 45 | 10.148 | 1351 | 1355 | 1359 | rBV2  | 5064   | 8204   | 0.95%  | 0.065% |
| 46 | 10.209 | 1359 | 1365 | 1373 | rVB   | 81508  | 140983 | 16.30% | 1.113% |
| 47 | 10.319 | 1376 | 1383 | 1392 | rBV   | 391881 | 711487 | 82.27% | 5.616% |
| 48 | 10.581 | 1419 | 1426 | 1427 | rBV   | 74743  | 116728 | 13.50% | 0.921% |
| 49 | 10.697 | 1440 | 1445 | 1453 | rVB   | 16636  | 30272  | 3.50%  | 0.239% |
| 50 | 10.788 | 1453 | 1460 | 1465 | rVV   | 46803  | 85991  | 9.94%  | 0.679% |
| 51 | 10.861 | 1465 | 1472 | 1477 | rVV   | 149785 | 259599 | 30.02% | 2.049% |
| 52 | 10.922 | 1477 | 1482 | 1486 | rVV   | 100765 | 177716 | 20.55% | 1.403% |
| 53 | 10.965 | 1486 | 1489 | 1499 | rVV   | 126672 | 208554 | 24.11% | 1.646% |
| 54 | 11.056 | 1501 | 1504 | 1509 | rVV3  | 8240   | 15402  | 1.78%  | 0.122% |
| 55 | 11.129 | 1509 | 1516 | 1526 | rVV   | 39470  | 75273  | 8.70%  | 0.594% |
| 56 | 11.233 | 1526 | 1533 | 1542 | rVV   | 40100  | 71520  | 8.27%  | 0.565% |
| 57 | 11.428 | 1564 | 1565 | 1569 | rVV2  | 993    | 1109   | 0.13%  | 0.009% |
| 58 | 11.629 | 1588 | 1598 | 1607 | rBV   | 469068 | 784859 | 90.75% | 6.195% |
| 59 | 11.727 | 1607 | 1614 | 1625 | rVV   | 171634 | 294980 | 34.11% | 2.328% |
| 60 | 11.800 | 1625 | 1626 | 1629 | rVV3  | 865    | 766    | 0.09%  | 0.006% |
| 61 | 11.837 | 1629 | 1632 | 1636 | rVB5  | 1039   | 1395   | 0.16%  | 0.011% |
| 62 | 11.959 | 1649 | 1652 | 1656 | rBV3  | 463    | 653    | 0.08%  | 0.005% |
| 63 | 12.178 | 1681 | 1688 | 1698 | rBV   | 208947 | 332000 | 38.39% | 2.620% |
| 64 | 12.282 | 1703 | 1705 | 1707 | rVV3  | 897    | 1083   | 0.13%  | 0.009% |
| 65 | 12.349 | 1709 | 1716 | 1725 | rVV   | 37972  | 68905  | 7.97%  | 0.544% |
| 66 | 12.434 | 1728 | 1730 | 1733 | rVV2  | 498    | 626    | 0.07%  | 0.005% |
| 67 | 12.465 | 1733 | 1735 | 1739 | rVV4  | 918    | 1046   | 0.12%  | 0.008% |
| 68 | 12.599 | 1750 | 1757 | 1764 | rBV2  | 12189  | 20185  | 2.33%  | 0.159% |
| 69 | 12.690 | 1764 | 1772 | 1783 | rVV2  | 172146 | 427949 | 49.48% | 3.378% |
| 70 | 12.879 | 1798 | 1803 | 1805 | rBV5  | 583    | 1042   | 0.12%  | 0.008% |
| 71 | 12.928 | 1805 | 1811 | 1816 | rVB3  | 3765   | 5947   | 0.69%  | 0.047% |
| 72 | 13.105 | 1834 | 1840 | 1844 | rBV5  | 1320   | 2645   | 0.31%  | 0.021% |
| 73 | 13.245 | 1856 | 1863 | 1875 | rBV   | 312705 | 478546 | 55.33% | 3.777% |
| 74 | 13.495 | 1896 | 1904 | 1909 | rBV   | 257829 | 419800 | 48.54% | 3.313% |
| 75 | 13.556 | 1909 | 1914 | 1925 | rVV   | 480597 | 785173 | 90.79% | 6.197% |
| 76 | 13.635 | 1925 | 1927 | 1935 | rVB10 | 993    | 1903   | 0.22%  | 0.015% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GCL47DL

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\SFAMWLM061824SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.751 | 1944 | 1946 | 1951 | rBV5 | 736    | 1029   | 0.12%  | 0.008% |
| 78  | 13.848 | 1954 | 1962 | 1971 | rBV  | 353017 | 587331 | 67.91% | 4.636% |
| 79  | 13.946 | 1977 | 1978 | 1983 | rVB5 | 887    | 755    | 0.09%  | 0.006% |
| 80  | 14.062 | 1991 | 1997 | 2006 | rVB  | 9618   | 18342  | 2.12%  | 0.145% |
|     |        |      |      |      |      |        |        |        |        |
| 81  | 14.324 | 2035 | 2040 | 2050 | rVB5 | 1851   | 4185   | 0.48%  | 0.033% |
| 82  | 14.483 | 2059 | 2066 | 2072 | rBV  | 42737  | 73423  | 8.49%  | 0.580% |
| 83  | 14.617 | 2086 | 2088 | 2095 | rVB6 | 921    | 1130   | 0.13%  | 0.009% |
| 84  | 14.720 | 2100 | 2105 | 2110 | rVB5 | 1438   | 2152   | 0.25%  | 0.017% |
| 85  | 14.757 | 2110 | 2111 | 2116 | rVB4 | 690    | 870    | 0.10%  | 0.007% |
|     |        |      |      |      |      |        |        |        |        |
| 86  | 14.824 | 2119 | 2122 | 2124 | rBV3 | 746    | 657    | 0.08%  | 0.005% |
| 87  | 15.086 | 2164 | 2165 | 2168 | rVV2 | 619    | 671    | 0.08%  | 0.005% |
| 88  | 15.129 | 2170 | 2172 | 2173 | rVV2 | 1025   | 899    | 0.10%  | 0.007% |
| 89  | 15.178 | 2177 | 2180 | 2185 | rVB5 | 794    | 1282   | 0.15%  | 0.010% |
| 90  | 15.354 | 2207 | 2209 | 2212 | rVV2 | 575    | 611    | 0.07%  | 0.005% |
|     |        |      |      |      |      |        |        |        |        |
| 91  | 15.427 | 2216 | 2221 | 2225 | rVV4 | 4092   | 6342   | 0.73%  | 0.050% |
| 92  | 15.470 | 2225 | 2228 | 2229 | rVV3 | 1031   | 1208   | 0.14%  | 0.010% |
| 93  | 15.549 | 2233 | 2241 | 2250 | rBV  | 53139  | 102207 | 11.82% | 0.807% |
| 94  | 15.720 | 2264 | 2269 | 2270 | rBV4 | 694    | 1061   | 0.12%  | 0.008% |
| 95  | 15.787 | 2276 | 2280 | 2281 | rBV4 | 694    | 787    | 0.09%  | 0.006% |
|     |        |      |      |      |      |        |        |        |        |
| 96  | 16.427 | 2382 | 2385 | 2386 | rBV3 | 579    | 762    | 0.09%  | 0.006% |
| 97  | 16.488 | 2392 | 2395 | 2397 | rBV4 | 646    | 632    | 0.07%  | 0.005% |
| 98  | 16.580 | 2409 | 2410 | 2414 | rBV4 | 477    | 604    | 0.07%  | 0.005% |
| 99  | 16.628 | 2416 | 2418 | 2420 | rVB3 | 739    | 661    | 0.08%  | 0.005% |
| 100 | 16.726 | 2430 | 2434 | 2437 | rBV5 | 572    | 899    | 0.10%  | 0.007% |

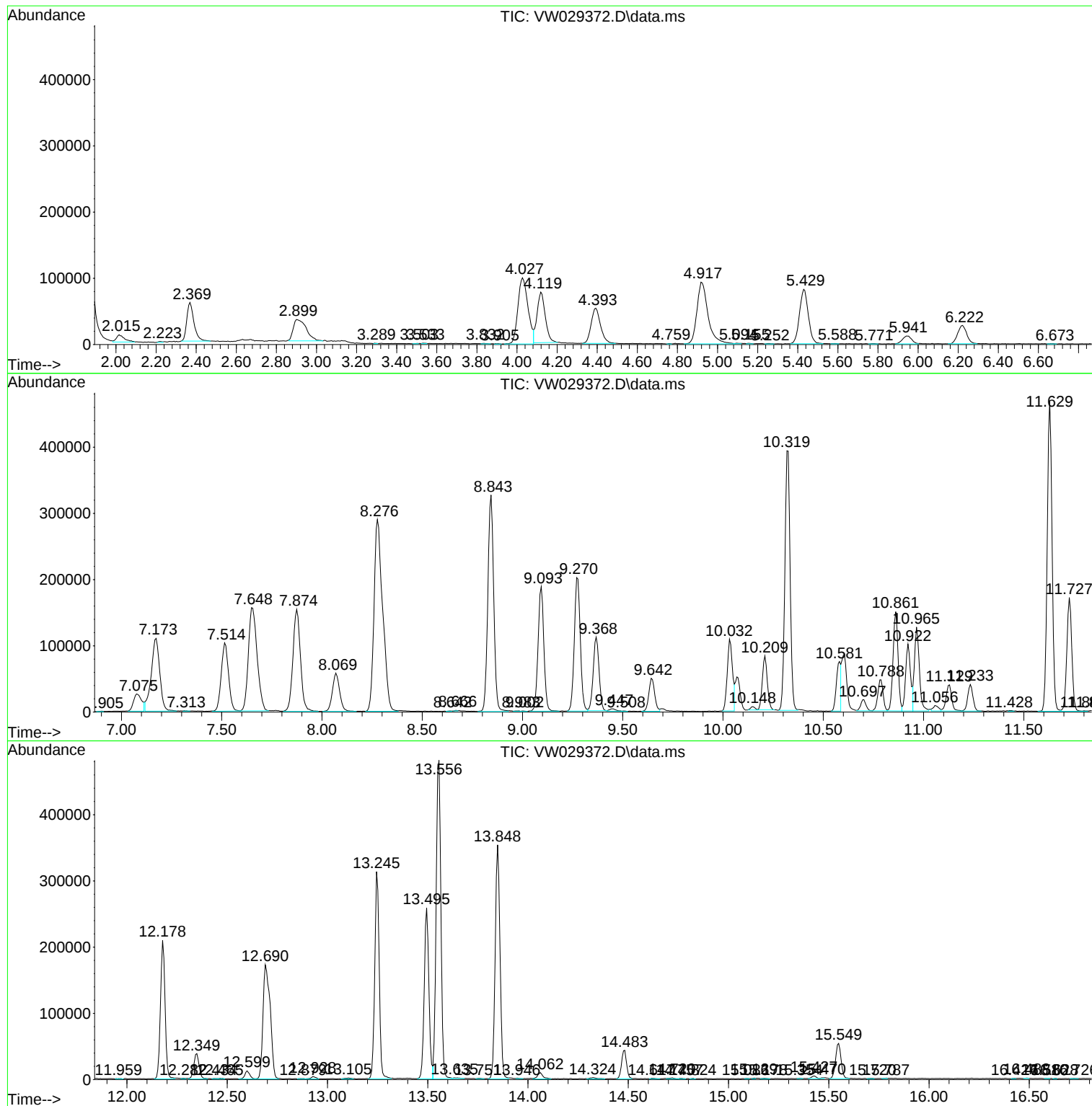
Sum of corrected areas: 12669565

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Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062724\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
Quant Title : SFAM01.0

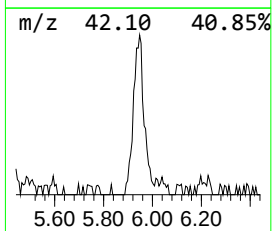
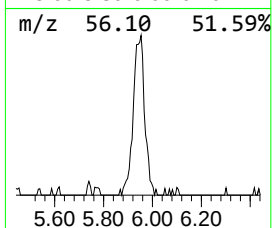
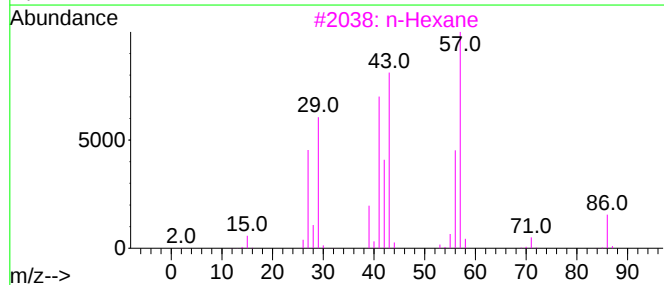
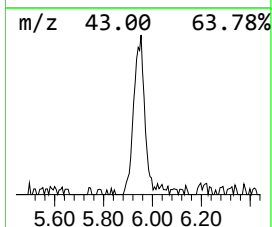
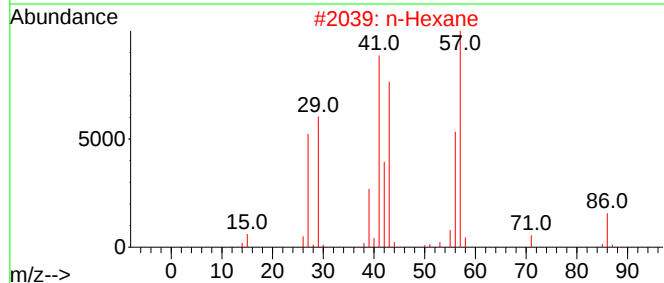
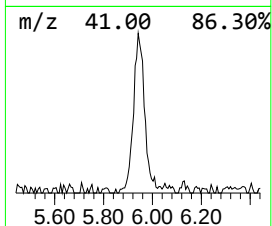
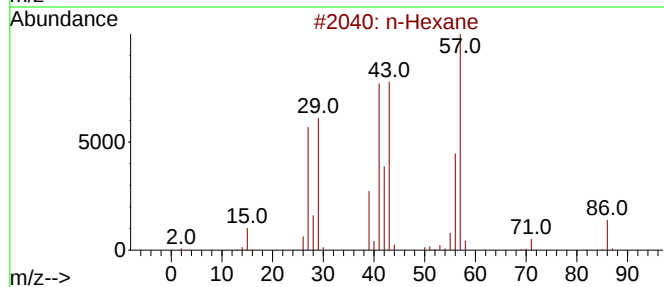
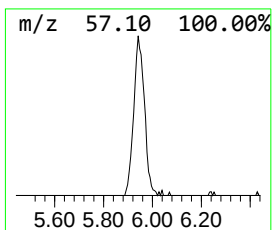
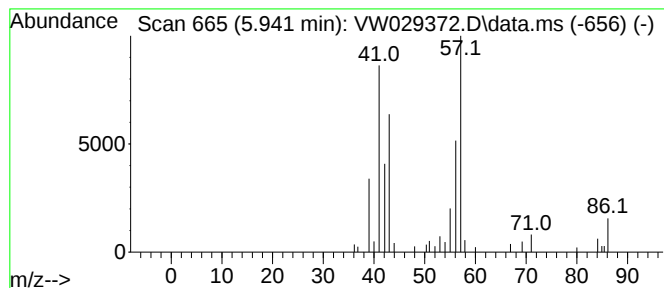
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.941 | 1.45 ug/L | 38303 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of 5                       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------------|--------------|-----|---------|-------------|------|
| 1    | n-Hexane                   |              | 86  | C6H14   | 000110-54-3 | 86   |
| 2    | n-Hexane                   |              | 86  | C6H14   | 000110-54-3 | 86   |
| 3    | n-Hexane                   |              | 86  | C6H14   | 000110-54-3 | 72   |
| 4    | n-Hexane                   |              | 86  | C6H14   | 000110-54-3 | 38   |
| 5    | Butane, 1-chloro-2-methyl- |              | 106 | C5H11Cl | 000616-13-7 | 38   |



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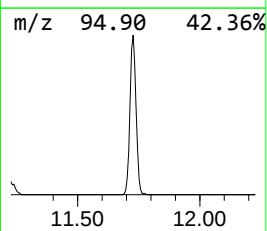
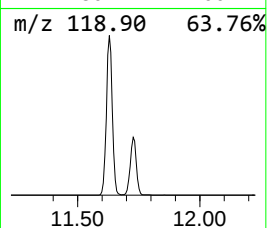
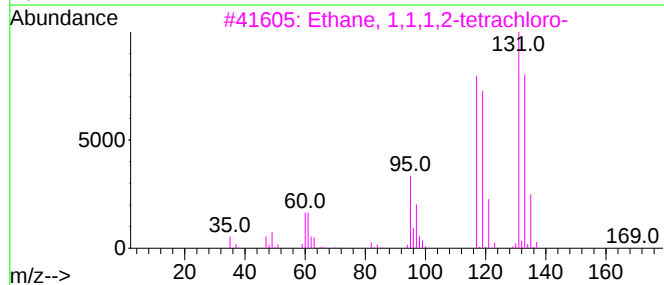
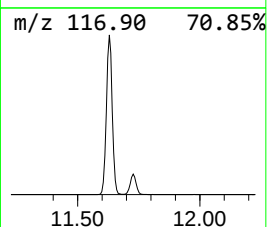
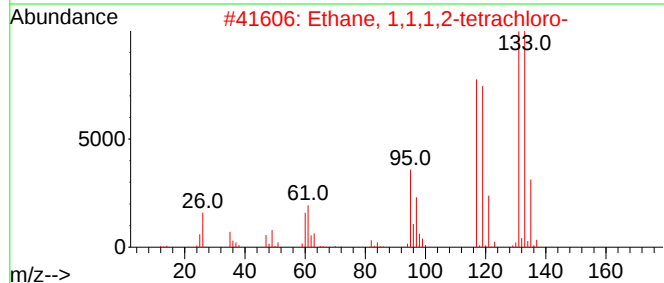
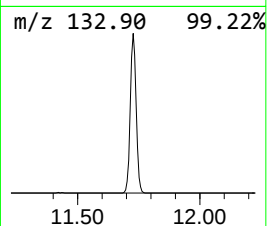
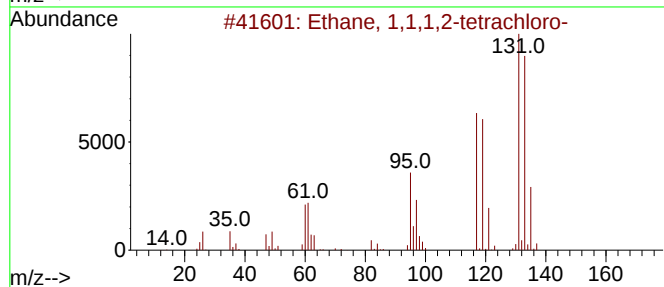
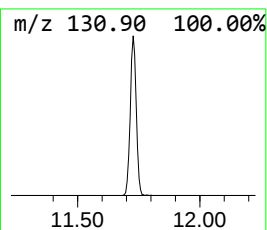
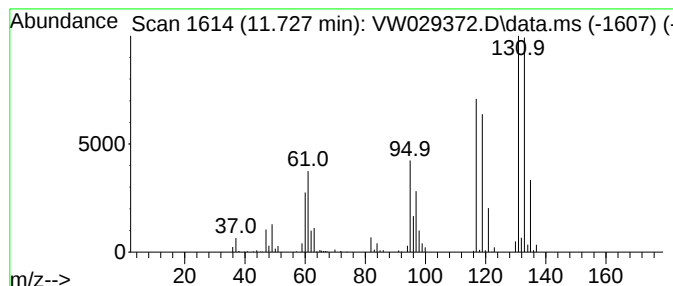
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 2 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.727 | 9.40 ug/L | 294980 | Chlorobenzene-d5 | 11.629 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 87   |
| 2    |    |   | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 80   |
| 3    |    |   | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 72   |
| 4    |    |   | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 43   |
| 5    |    |   | Trichloroacetyl chloride     | 180 | C2Cl4O  | 000076-02-8 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062724\  
Data File : VW029372.D  
Acq On : 27 Jun 2024 11:09  
Operator : SY/MD  
Sample : P3080-12DL 2X  
Misc : 5.00g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GCL47DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
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 |
| (DEL) Alkane: S... | 5.941  | 1.5     | ug/L  | 38303    | 1                     | 8.843  | 661801 | 25.0 |
| Ethane, 1,1,1,2... | 11.727 | 9.4     | ug/L  | 294980   | 2                     | 11.629 | 784859 | 25.0 |