

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
 Data File : VW029526.D  
 Acq On : 11 Jul 2024 13:58  
 Operator : SY/MD  
 Sample : P3178-06  
 Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4BT1

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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

Signal : TIC: VW029526.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         | 2.363       | 72            | 78          | 95           | rVB      | 57670          | 140358        | 16.80%          | 2.618%        |
| 2         | 2.899       | 159           | 166         | 182          | rVB      | 41142          | 119660        | 14.32%          | 2.232%        |
| 3         | 3.302       | 228           | 232         | 236          | rBV4     | 719            | 1379          | 0.17%           | 0.026%        |
| 4         | 3.393       | 240           | 247         | 256          | rVB2     | 7574           | 17618         | 2.11%           | 0.329%        |
| 5         | 3.497       | 261           | 264         | 265          | rBV3     | 559            | 616           | 0.07%           | 0.011%        |
| 6         | 3.533       | 265           | 270         | 276          | rBV9     | 1354           | 3138          | 0.38%           | 0.059%        |
| 7         | 3.728       | 299           | 302         | 304          | rBV3     | 820            | 853           | 0.10%           | 0.016%        |
| 8         | 3.887       | 326           | 328         | 331          | rVB3     | 634            | 473           | 0.06%           | 0.009%        |
| 9         | 4.021       | 337           | 350         | 374          | rBV3     | 100345         | 331783        | 39.71%          | 6.189%        |
| 10        | 4.210       | 377           | 381         | 391          | rVB4     | 5152           | 12763         | 1.53%           | 0.238%        |
| 11        | 4.308       | 396           | 397         | 402          | rVB3     | 499            | 536           | 0.06%           | 0.010%        |
| 12        | 4.375       | 405           | 408         | 409          | rBV3     | 768            | 707           | 0.08%           | 0.013%        |
| 13        | 4.612       | 442           | 447         | 449          | rBV4     | 826            | 1282          | 0.15%           | 0.024%        |
| 14        | 4.832       | 480           | 483         | 486          | rBV3     | 273            | 472           | 0.06%           | 0.009%        |
| 15        | 4.929       | 486           | 499         | 509          | rBV2     | 21727          | 82442         | 9.87%           | 1.538%        |
| 16        | 5.167       | 529           | 538         | 549          | rBV9     | 1206           | 4985          | 0.60%           | 0.093%        |
| 17        | 5.441       | 581           | 583         | 587          | rVB4     | 555            | 619           | 0.07%           | 0.012%        |
| 18        | 5.728       | 629           | 630         | 633          | rBV2     | 392            | 480           | 0.06%           | 0.009%        |
| 19        | 5.758       | 633           | 635         | 639          | rBV5     | 620            | 736           | 0.09%           | 0.014%        |
| 20        | 5.947       | 659           | 666         | 673          | rVB5     | 3148           | 8248          | 0.99%           | 0.154%        |
| 21        | 6.191       | 703           | 706         | 707          | rBV      | 396            | 471           | 0.06%           | 0.009%        |
| 22        | 6.344       | 729           | 731         | 736          | rVB3     | 526            | 494           | 0.06%           | 0.009%        |
| 23        | 6.612       | 772           | 775         | 778          | rVB3     | 664            | 904           | 0.11%           | 0.017%        |
| 24        | 6.636       | 778           | 779         | 784          | rBV2     | 544            | 673           | 0.08%           | 0.013%        |
| 25        | 6.844       | 810           | 813         | 815          | rBV      | 422            | 543           | 0.06%           | 0.010%        |
| 26        | 6.892       | 819           | 821         | 823          | rBV2     | 748            | 690           | 0.08%           | 0.013%        |
| 27        | 6.996       | 837           | 838         | 842          | rVB2     | 786            | 582           | 0.07%           | 0.011%        |
| 28        | 7.081       | 842           | 852         | 858          | rBV2     | 12175          | 37081         | 4.44%           | 0.692%        |
| 29        | 7.459       | 903           | 914         | 916          | rBV5     | 1160           | 3376          | 0.40%           | 0.063%        |
| 30        | 7.514       | 921           | 923         | 927          | rVB4     | 469            | 536           | 0.06%           | 0.010%        |
| 31        | 7.648       | 935           | 945         | 959          | rVV      | 143051         | 355852        | 42.59%          | 6.638%        |
| 32        | 7.764       | 962           | 964         | 967          | rVV2     | 746            | 839           | 0.10%           | 0.016%        |
| 33        | 7.807       | 969           | 971         | 972          | rVB2     | 664            | 451           | 0.05%           | 0.008%        |
| 34        | 7.911       | 986           | 988         | 990          | rVB2     | 544            | 479           | 0.06%           | 0.009%        |
| 35        | 7.990       | 996           | 1001        | 1003         | rVB4     | 415            | 736           | 0.09%           | 0.014%        |
| 36        | 8.026       | 1003          | 1007        | 1008         | rBV3     | 415            | 463           | 0.06%           | 0.009%        |

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 A4BT1

Integration Parameters: LSCINT.P

Integrator: RTE

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Filtering: 5

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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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 8.276  | 1036 | 1048 | 1064 | rBV2 | 281952 | 835575 | 100.00% | 15.588% |
| 38 | 8.447  | 1074 | 1076 | 1079 | rVB2 | 713    | 481    | 0.06%   | 0.009%  |
| 39 | 8.703  | 1111 | 1118 | 1124 | rBV6 | 1218   | 3111   | 0.37%   | 0.058%  |
| 40 | 8.843  | 1132 | 1141 | 1153 | rBV  | 367212 | 713324 | 85.37%  | 13.307% |
| 41 | 8.947  | 1156 | 1158 | 1162 | rVB4 | 605    | 750    | 0.09%   | 0.014%  |
| 42 | 9.038  | 1166 | 1173 | 1177 | rBV3 | 3586   | 7737   | 0.93%   | 0.144%  |
| 43 | 9.154  | 1190 | 1192 | 1196 | rVB3 | 425    | 531    | 0.06%   | 0.010%  |
| 44 | 9.203  | 1199 | 1200 | 1202 | rBV2 | 599    | 470    | 0.06%   | 0.009%  |
| 45 | 9.276  | 1202 | 1212 | 1222 | rBV  | 188280 | 390442 | 46.73%  | 7.284%  |
| 46 | 9.392  | 1230 | 1231 | 1234 | rVB3 | 873    | 641    | 0.08%   | 0.012%  |
| 47 | 9.520  | 1251 | 1252 | 1257 | rVB5 | 649    | 736    | 0.09%   | 0.014%  |
| 48 | 9.679  | 1272 | 1278 | 1280 | rBV6 | 569    | 1095   | 0.13%   | 0.020%  |
| 49 | 9.874  | 1306 | 1310 | 1311 | rBV  | 503    | 658    | 0.08%   | 0.012%  |
| 50 | 9.983  | 1325 | 1328 | 1329 | rBV  | 823    | 822    | 0.10%   | 0.015%  |
| 51 | 10.038 | 1330 | 1337 | 1345 | rVV  | 36437  | 68349  | 8.18%   | 1.275%  |
| 52 | 10.325 | 1376 | 1384 | 1391 | rBV  | 274627 | 499151 | 59.74%  | 9.312%  |
| 53 | 10.428 | 1398 | 1401 | 1405 | rVB3 | 1658   | 2272   | 0.27%   | 0.042%  |
| 54 | 10.477 | 1407 | 1409 | 1410 | rBV2 | 769    | 469    | 0.06%   | 0.009%  |
| 55 | 10.508 | 1410 | 1414 | 1417 | rBV4 | 844    | 1319   | 0.16%   | 0.025%  |
| 56 | 10.575 | 1419 | 1425 | 1434 | rBV2 | 27087  | 50406  | 6.03%   | 0.940%  |
| 57 | 10.697 | 1441 | 1445 | 1451 | rVB2 | 4648   | 7980   | 0.96%   | 0.149%  |
| 58 | 10.843 | 1465 | 1469 | 1475 | rVB4 | 1985   | 3583   | 0.43%   | 0.067%  |
| 59 | 10.928 | 1475 | 1483 | 1496 | rBV4 | 40901  | 100669 | 12.05%  | 1.878%  |
| 60 | 11.093 | 1506 | 1510 | 1517 | rVB7 | 1787   | 3465   | 0.41%   | 0.065%  |
| 61 | 11.172 | 1520 | 1523 | 1528 | rVB5 | 1472   | 2496   | 0.30%   | 0.047%  |
| 62 | 11.404 | 1557 | 1561 | 1565 | rVB4 | 1442   | 2254   | 0.27%   | 0.042%  |
| 63 | 11.629 | 1589 | 1598 | 1605 | rBV  | 303203 | 521449 | 62.41%  | 9.728%  |
| 64 | 11.837 | 1628 | 1632 | 1633 | rBV3 | 2010   | 2482   | 0.30%   | 0.046%  |
| 65 | 12.062 | 1666 | 1669 | 1671 | rBV4 | 918    | 894    | 0.11%   | 0.017%  |
| 66 | 12.129 | 1679 | 1680 | 1683 | rBV3 | 478    | 489    | 0.06%   | 0.009%  |
| 67 | 12.178 | 1683 | 1688 | 1691 | rVV5 | 1502   | 2330   | 0.28%   | 0.043%  |
| 68 | 12.233 | 1695 | 1697 | 1699 | rVB3 | 659    | 522    | 0.06%   | 0.010%  |
| 69 | 12.361 | 1716 | 1718 | 1719 | rVV2 | 893    | 655    | 0.08%   | 0.012%  |
| 70 | 12.379 | 1719 | 1721 | 1723 | rVB2 | 785    | 638    | 0.08%   | 0.012%  |
| 71 | 12.471 | 1732 | 1736 | 1739 | rBV6 | 945    | 1714   | 0.21%   | 0.032%  |
| 72 | 12.599 | 1749 | 1757 | 1764 | rVV3 | 21069  | 45023  | 5.39%   | 0.840%  |
| 73 | 12.690 | 1765 | 1772 | 1778 | rVV  | 75658  | 127905 | 15.31%  | 2.386%  |
| 74 | 12.751 | 1778 | 1782 | 1791 | rVB3 | 5930   | 14161  | 1.69%   | 0.264%  |
| 75 | 12.843 | 1795 | 1797 | 1798 | rBV2 | 680    | 608    | 0.07%   | 0.011%  |
| 76 | 12.952 | 1807 | 1815 | 1821 | rBV7 | 6251   | 14905  | 1.78%   | 0.278%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4BT1

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\SFAMWLM070824SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.007 | 1821 | 1824 | 1832 | rVB8 | 2591   | 6207   | 0.74%  | 0.116% |
| 78  | 13.074 | 1832 | 1835 | 1838 | rBV4 | 2080   | 3323   | 0.40%  | 0.062% |
| 79  | 13.190 | 1845 | 1854 | 1866 | rVB  | 36021  | 75030  | 8.98%  | 1.400% |
| 80  | 13.294 | 1866 | 1871 | 1878 | rVB  | 16246  | 26564  | 3.18%  | 0.496% |
| 81  | 13.403 | 1880 | 1889 | 1894 | rBV  | 51157  | 96803  | 11.59% | 1.806% |
| 82  | 13.471 | 1897 | 1900 | 1902 | rBV3 | 4513   | 5317   | 0.64%  | 0.099% |
| 83  | 13.513 | 1903 | 1907 | 1909 | rBV3 | 9110   | 14837  | 1.78%  | 0.277% |
| 84  | 13.556 | 1909 | 1914 | 1918 | rVV  | 128217 | 205486 | 24.59% | 3.833% |
| 85  | 13.599 | 1918 | 1921 | 1927 | rVB  | 58819  | 103059 | 12.33% | 1.923% |
| 86  | 13.757 | 1942 | 1947 | 1955 | rVB  | 26128  | 50940  | 6.10%  | 0.950% |
| 87  | 13.849 | 1956 | 1962 | 1967 | rBV2 | 72977  | 126966 | 15.20% | 2.369% |
| 88  | 13.897 | 1967 | 1970 | 1974 | rVB2 | 8534   | 10448  | 1.25%  | 0.195% |
| 89  | 14.062 | 1993 | 1997 | 2001 | rVB2 | 9919   | 13657  | 1.63%  | 0.255% |
| 90  | 14.318 | 2034 | 2039 | 2048 | rBV3 | 13142  | 21625  | 2.59%  | 0.403% |
| 91  | 14.489 | 2064 | 2067 | 2069 | rBV3 | 2440   | 3155   | 0.38%  | 0.059% |
| 92  | 14.684 | 2095 | 2099 | 2102 | rBV5 | 2969   | 5103   | 0.61%  | 0.095% |
| 93  | 14.714 | 2102 | 2104 | 2108 | rVB4 | 4321   | 4463   | 0.53%  | 0.083% |
| 94  | 15.019 | 2152 | 2154 | 2156 | rBV3 | 907    | 623    | 0.07%  | 0.012% |
| 95  | 15.397 | 2211 | 2216 | 2221 | rBV5 | 3876   | 7420   | 0.89%  | 0.138% |
| 96  | 15.470 | 2226 | 2228 | 2232 | rVB3 | 2027   | 2641   | 0.32%  | 0.049% |
| 97  | 15.629 | 2253 | 2254 | 2256 | rBV2 | 999    | 538    | 0.06%  | 0.010% |
| 98  | 15.787 | 2271 | 2280 | 2284 | rBV7 | 3763   | 7987   | 0.96%  | 0.149% |
| 99  | 16.190 | 2344 | 2346 | 2347 | rBV2 | 969    | 672    | 0.08%  | 0.013% |
| 100 | 16.452 | 2386 | 2389 | 2390 | rBV3 | 1480   | 1779   | 0.21%  | 0.033% |

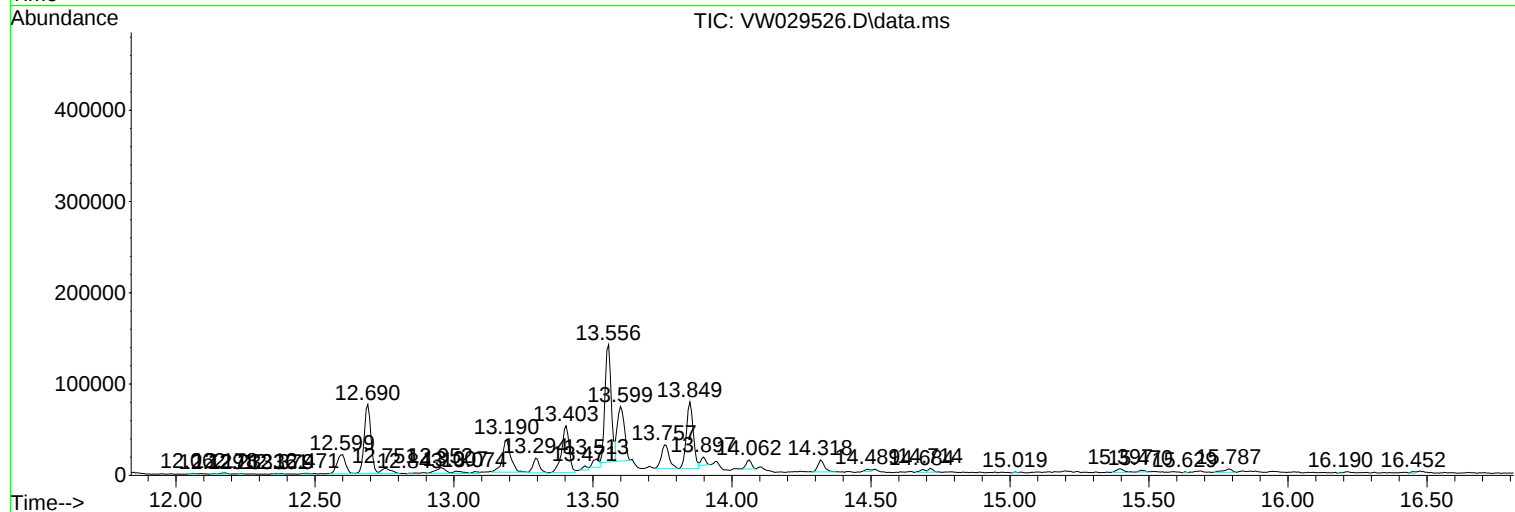
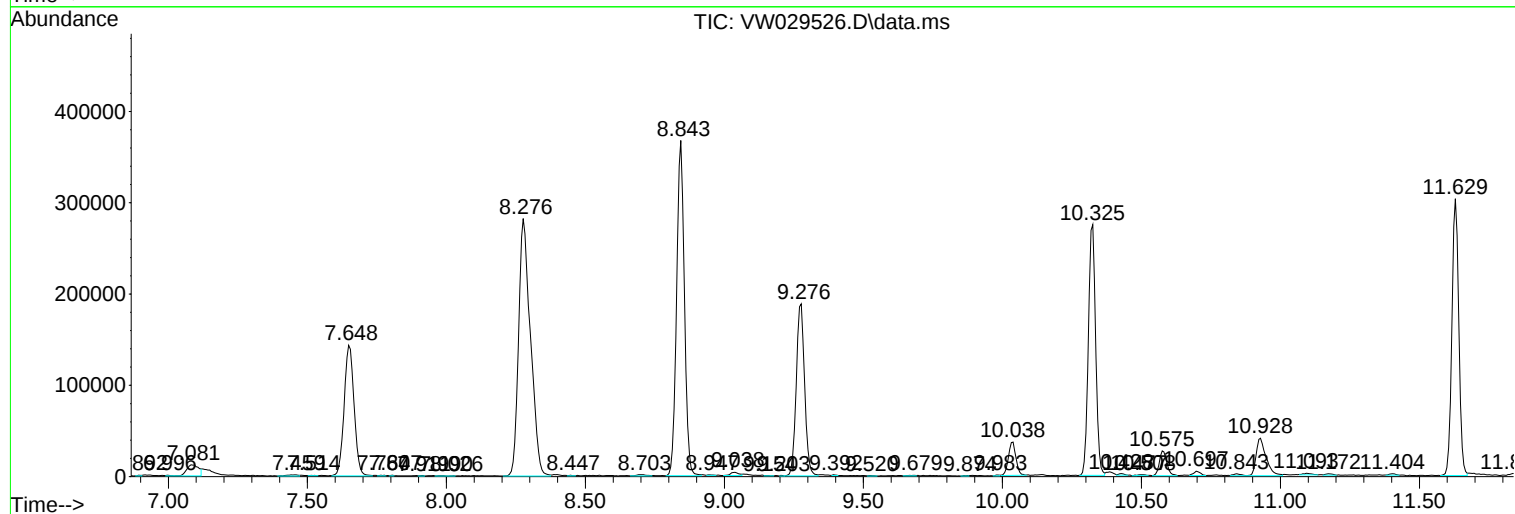
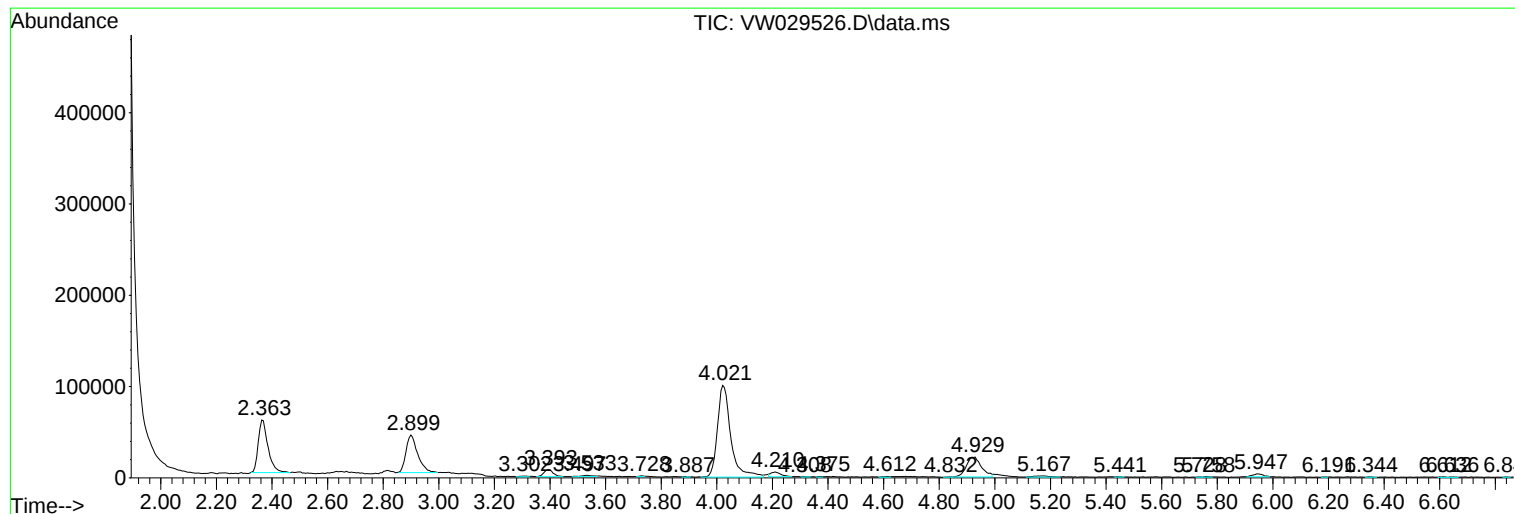
Sum of corrected areas: 5360522

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
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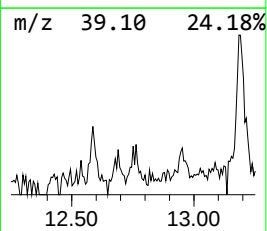
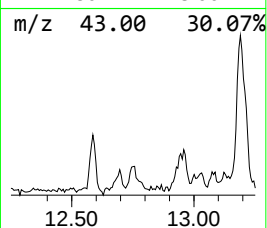
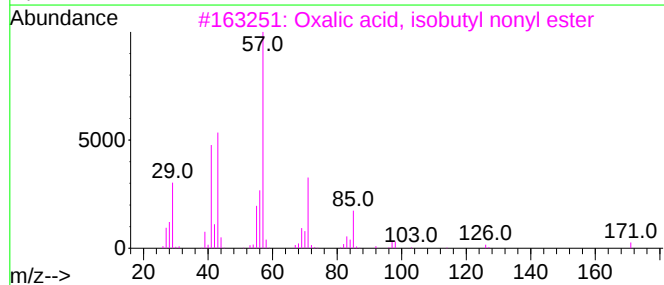
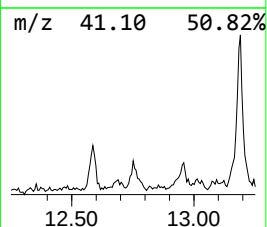
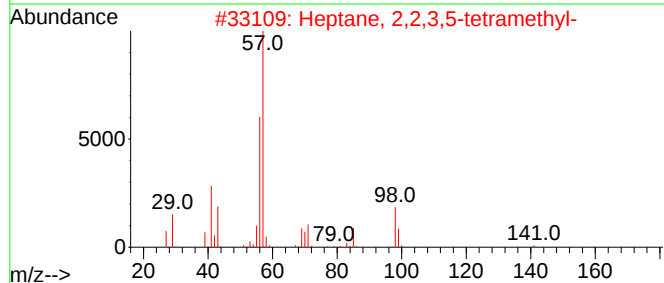
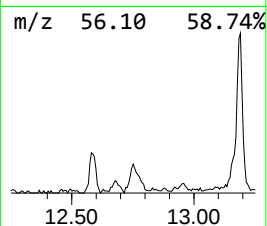
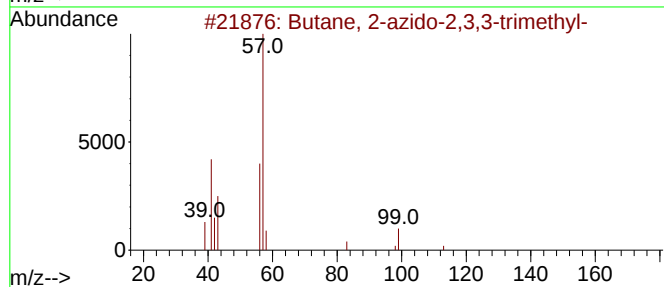
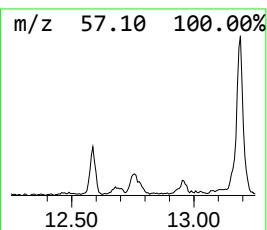
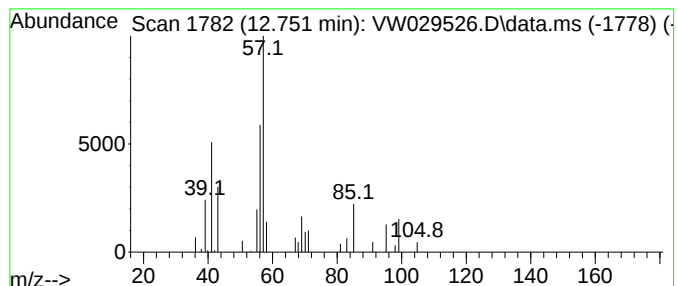
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 3 unknown-01 Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.751 | 1.72 ug/L | 14161 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Butane, 2-azido-2,3,3-trimethyl-  | 141 | C7H15N3  | 051677-41-9  | 43   |
| 2    |    |   | Heptane, 2,2,3,5-tetramethyl-     | 156 | C11H24   | 061868-42-6  | 38   |
| 3    |    |   | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 37   |
| 4    |    |   | Decane, 2,5,6-trimethyl-          | 184 | C13H28   | 062108-23-0  | 28   |
| 5    |    |   | Hexane, 2,2-dimethyl-             | 114 | C8H18    | 000590-73-8  | 25   |



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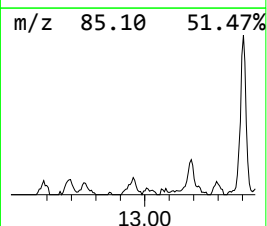
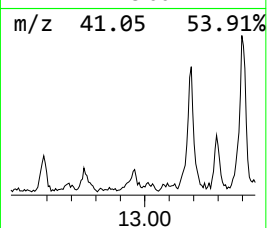
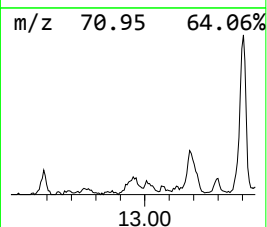
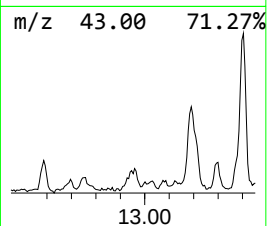
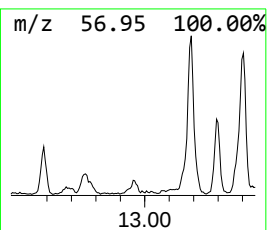
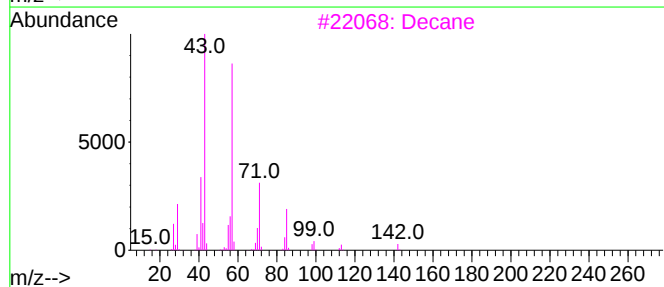
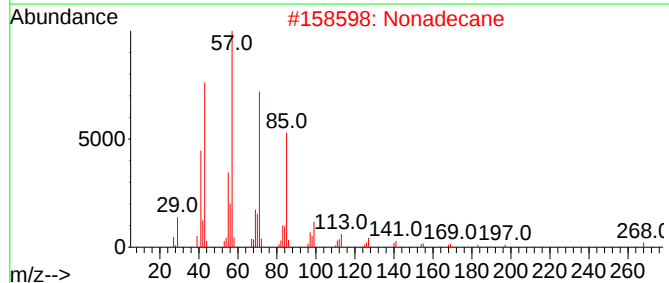
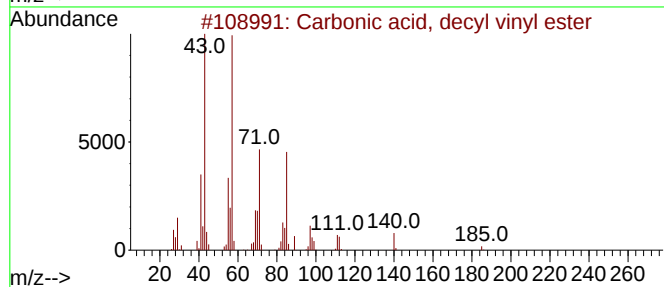
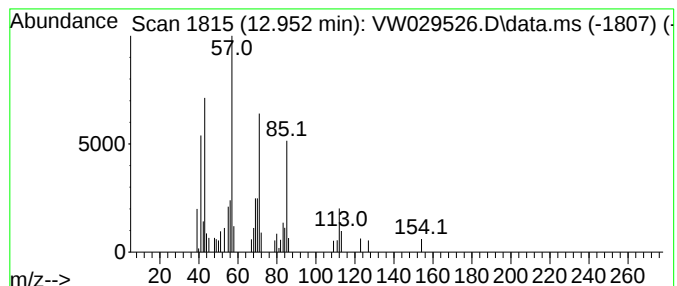
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Quant Title : SFAM01.0

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

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Peak Number 4 Carbonic acid, decyl vinyl ... Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.952 | 1.81 ug/L | 14905 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, decyl vinyl ester | 228 | C13H24O3 | 1000383-25-7 | 64   |
| 2    |    |   | Nonadecane                       | 268 | C19H40   | 000629-92-5  | 64   |
| 3    |    |   | Decane                           | 142 | C10H22   | 000124-18-5  | 59   |
| 4    |    |   | Nonadecane                       | 268 | C19H40   | 000629-92-5  | 59   |
| 5    |    |   | Hexacosane                       | 366 | C26H54   | 000630-01-3  | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

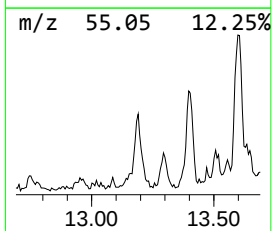
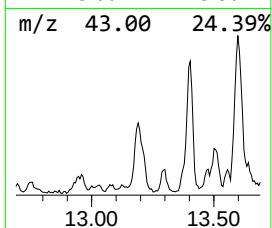
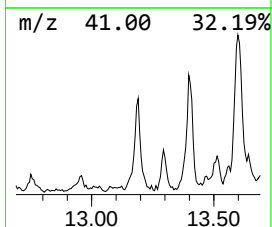
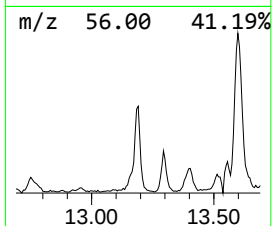
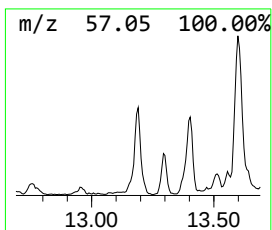
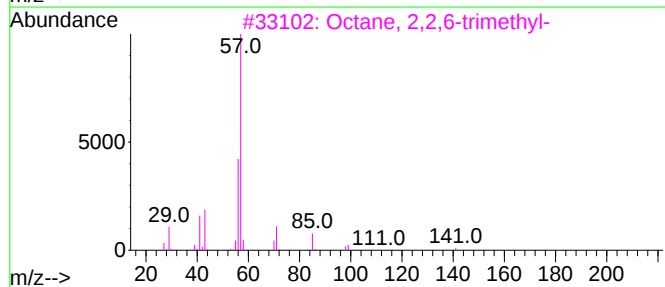
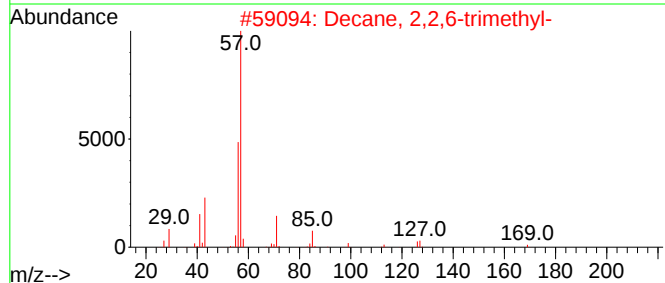
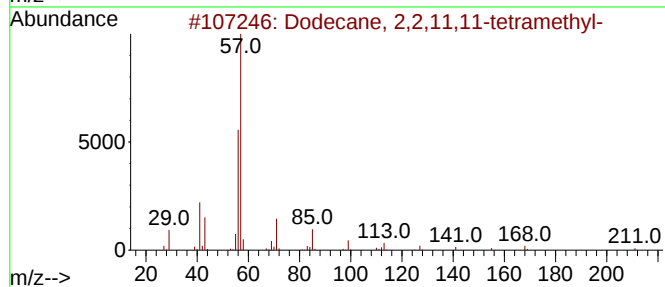
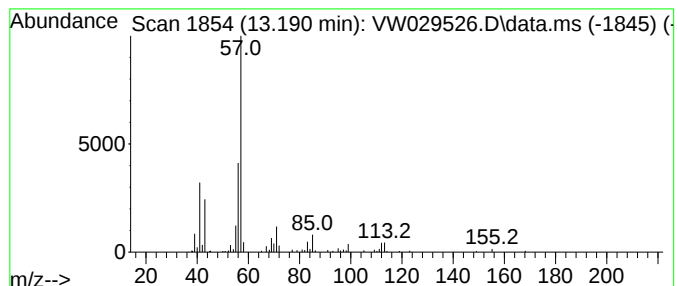
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.190 | 9.13 ug/L | 75030 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,2,11,11-tetramethyl- | 226 | C16H34  | 127204-12-0 | 72   |
| 2    |    |   | Decane, 2,2,6-trimethyl-         | 184 | C13H28  | 062237-97-2 | 64   |
| 3    |    |   | Octane, 2,2,6-trimethyl-         | 156 | C11H24  | 062016-28-8 | 64   |
| 4    |    |   | Decane, 2,2,8-trimethyl-         | 184 | C13H28  | 062238-01-1 | 64   |
| 5    |    |   | 2,2,7,7-Tetramethyloctane        | 170 | C12H26  | 001071-31-4 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

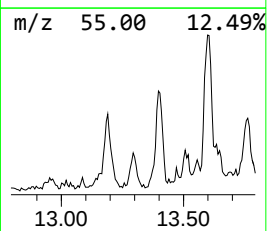
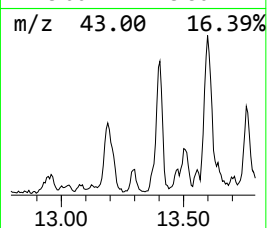
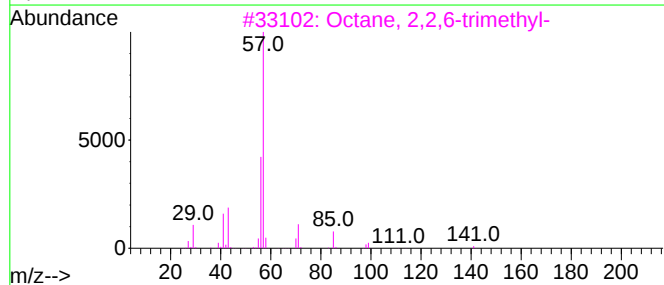
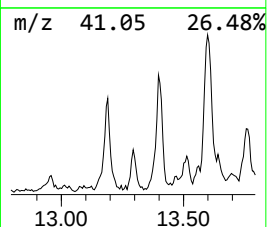
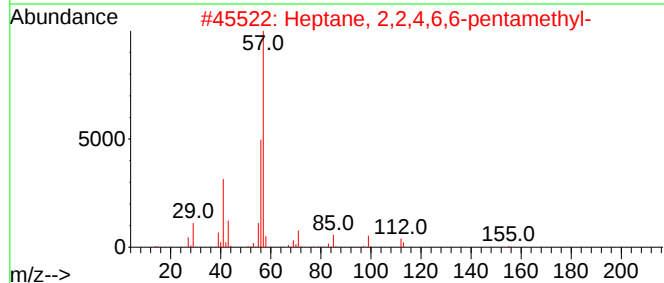
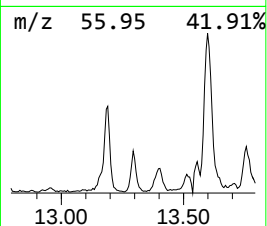
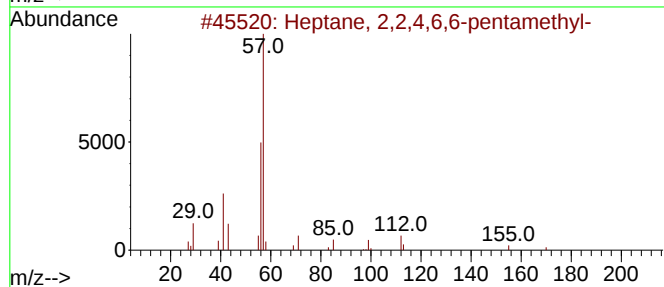
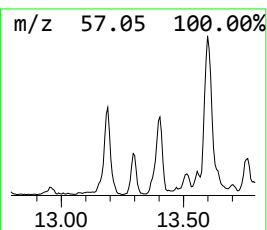
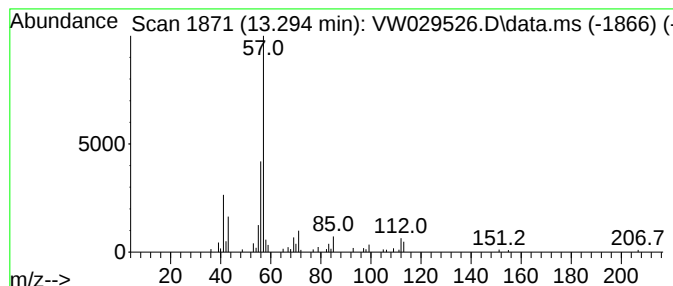
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Quant Title : SFAM01.0

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

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.294 | 3.23 ug/L | 26564 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 78   |
| 2    |    |   | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 72   |
| 3    |    |   | Octane, 2,2,6-trimethyl-        | 156 | C11H24  | 062016-28-8 | 64   |
| 4    |    |   | Octane, 2,2-dimethyl-           | 142 | C10H22  | 015869-87-1 | 59   |
| 5    |    |   | Heptane, 2,2,3,5-tetramethyl-   | 156 | C11H24  | 061868-42-6 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

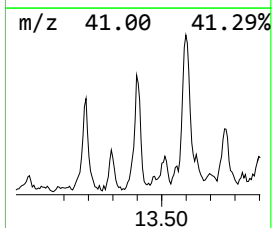
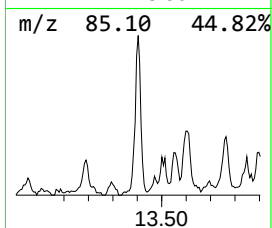
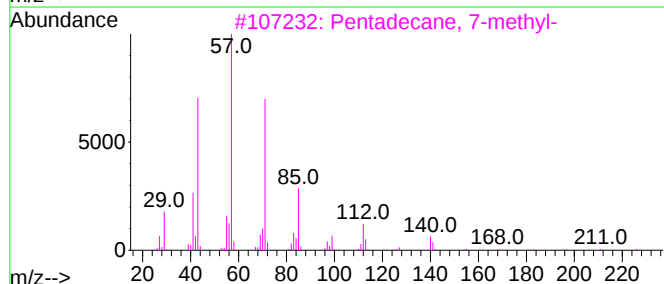
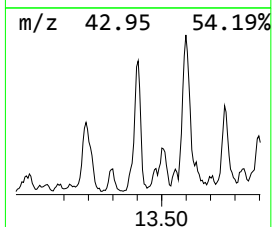
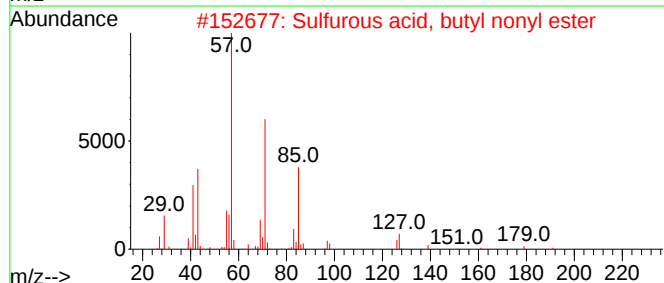
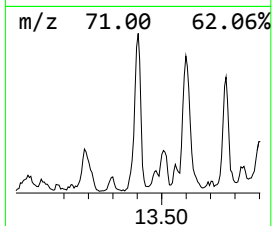
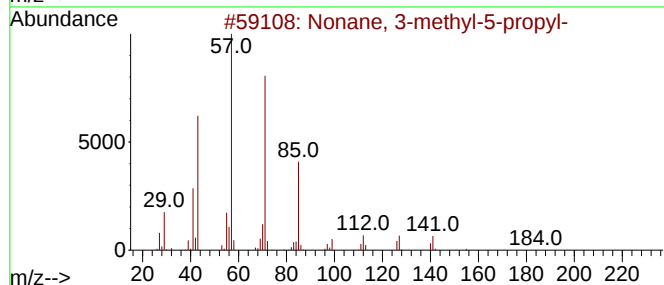
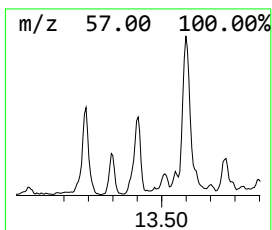
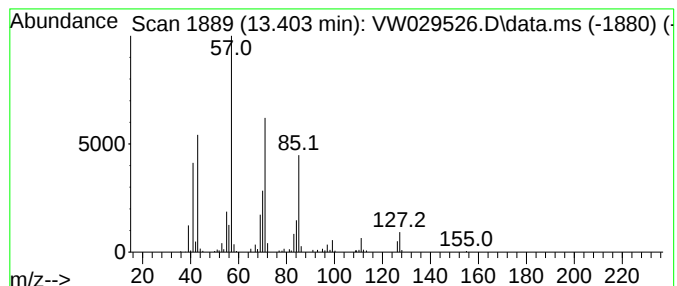
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Quant Title : SFAM01.0

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

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.403 | 11.78 ug/L | 96803 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonane, 3-methyl-5-propyl-          | 184 | C13H28    | 031081-18-2  | 72   |
| 2    |    |   | Sulfurous acid, butyl nonyl ester   | 264 | C13H28O3S | 1000309-17-6 | 50   |
| 3    |    |   | Pentadecane, 7-methyl-              | 226 | C16H34    | 006165-40-8  | 50   |
| 4    |    |   | Sulfurous acid, nonyl 2-propyl e... | 250 | C12H26O3S | 1000309-12-0 | 49   |
| 5    |    |   | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4  | 1000309-73-0 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

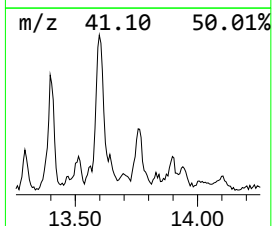
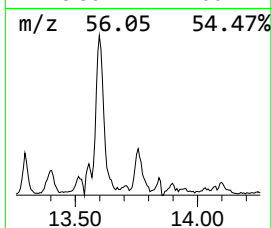
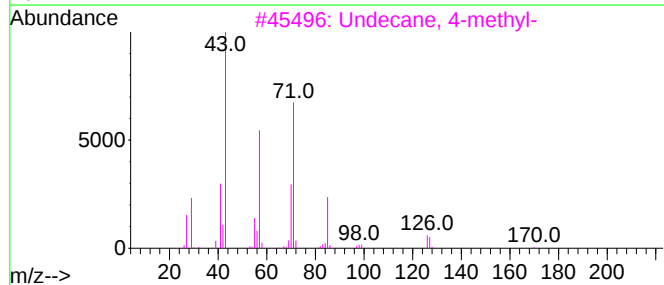
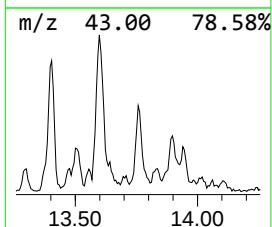
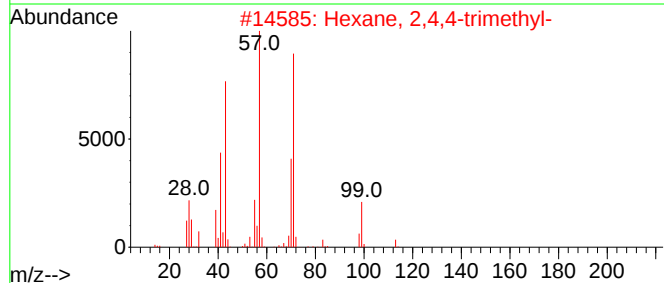
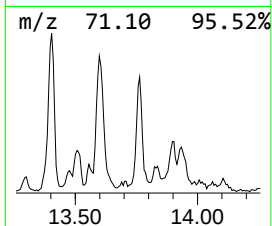
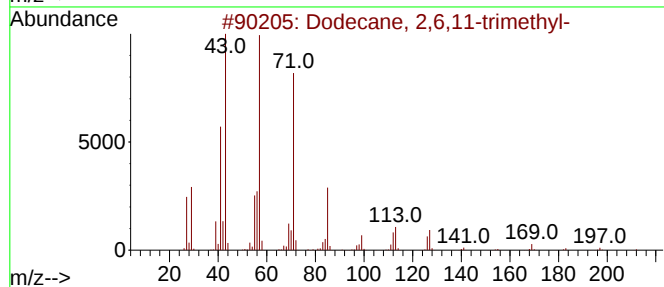
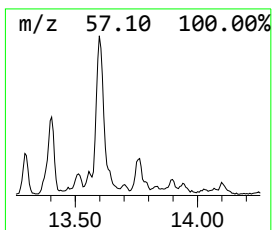
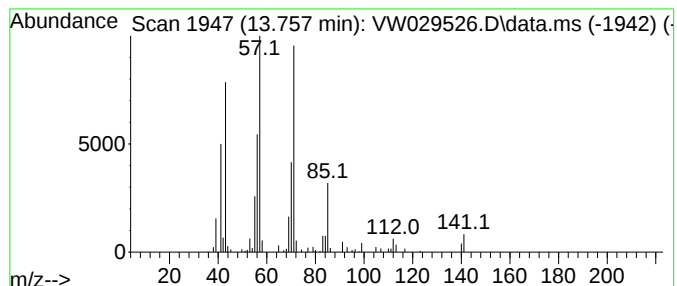
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Quant Title : SFAM01.0

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

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.757 | 6.20 ug/L | 50940 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 53   |
| 2    |      | Hexane, 2,4,4-trimethyl-    | 128 | C9H20   | 016747-30-1 | 50   |
| 3    |      | Undecane, 4-methyl-         | 170 | C12H26  | 002980-69-0 | 50   |
| 4    |      | Decane, 3,7-dimethyl-       | 170 | C12H26  | 017312-54-8 | 50   |
| 5    |      | Heptane, 3,3-dimethyl-      | 128 | C9H20   | 004032-86-4 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

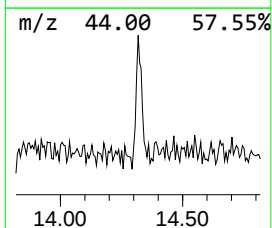
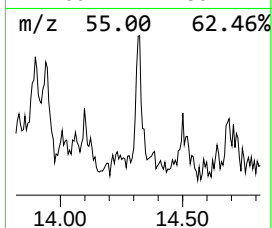
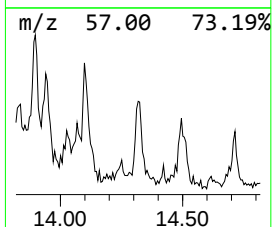
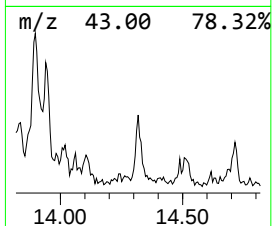
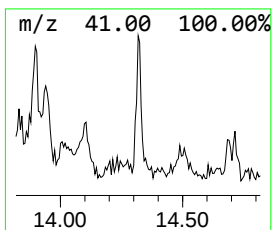
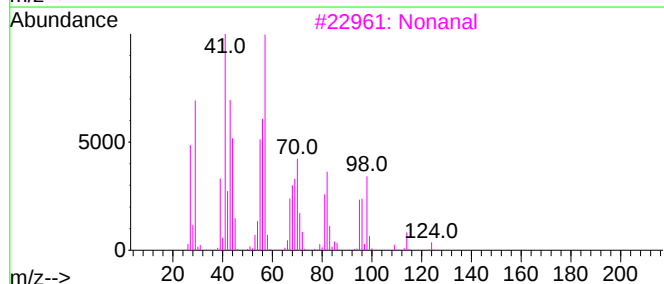
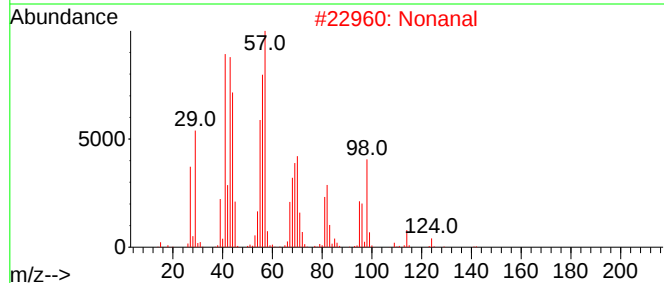
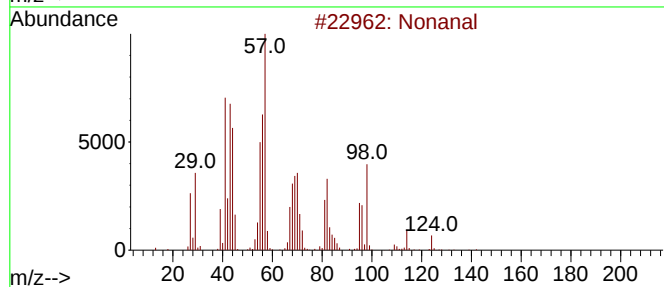
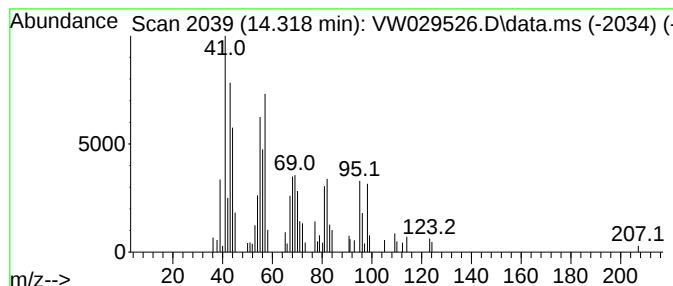
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Nonanal Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.318 | 2.63 ug/L | 21625 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Nonanal                             |   |              | 142 | C9H18O  | 000124-19-6 | 86   |
| 2    | Nonanal                             |   |              | 142 | C9H18O  | 000124-19-6 | 72   |
| 3    | Nonanal                             |   |              | 142 | C9H18O  | 000124-19-6 | 59   |
| 4    | 2-Nonen-1-ol, (E)-                  |   |              | 142 | C9H18O  | 031502-14-4 | 22   |
| 5    | Cyclopropane, 1-hexyl-2-propyl-,... |   |              | 168 | C12H24  | 074630-58-3 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071124\  
Data File : VW029526.D  
Acq On : 11 Jul 2024 13:58  
Operator : SY/MD  
Sample : P3178-06  
Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4BT1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown-01         | 12.751 | 1.7     | ug/L  | 14161    | 3                     | 13.550 | 205486 | 25.0 |
| Carbonic acid, ... | 12.952 | 1.8     | ug/L  | 14905    | 3                     | 13.550 | 205486 | 25.0 |
| (DEL) Alkane: S... | 13.190 | 9.1     | ug/L  | 75030    | 3                     | 13.550 | 205486 | 25.0 |
| (DEL) Alkane: S... | 13.294 | 3.2     | ug/L  | 26564    | 3                     | 13.550 | 205486 | 25.0 |
| (DEL) Alkane: S... | 13.403 | 11.8    | ug/L  | 96803    | 3                     | 13.550 | 205486 | 25.0 |
| (DEL) Alkane: S... | 13.757 | 6.2     | ug/L  | 50940    | 3                     | 13.550 | 205486 | 25.0 |
| Nonanal            | 14.318 | 2.6     | ug/L  | 21625    | 3                     | 13.550 | 205486 | 25.0 |