

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
 Data File : VW018802.D  
 Acq On : 27 Apr 2021 14:46  
 Operator : SY/VA  
 Sample : M2177-03  
 Misc : 5.33G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG580

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

Signal : TIC: VW018802.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         | 1.995       | 11            | 15          | 27           | rVB      | 11574          | 28232         | 1.77%           | 0.202%        |
| 2         | 2.154       | 36            | 41          | 50           | rBV      | 22160          | 61844         | 3.87%           | 0.442%        |
| 3         | 2.361       | 68            | 75          | 87           | rVB      | 66726          | 136836        | 8.56%           | 0.977%        |
| 4         | 2.507       | 94            | 99          | 104          | rVB2     | 3095           | 6131          | 0.38%           | 0.044%        |
| 5         | 2.897       | 154           | 163         | 177          | rBV      | 69734          | 177831        | 11.12%          | 1.270%        |
| 6         | 3.013       | 180           | 182         | 183          | rBV2     | 1260           | 1084          | 0.07%           | 0.008%        |
| 7         | 3.117       | 197           | 199         | 200          | rBV2     | 917            | 514           | 0.03%           | 0.004%        |
| 8         | 3.385       | 240           | 243         | 251          | rVB5     | 1403           | 3004          | 0.19%           | 0.021%        |
| 9         | 3.446       | 251           | 253         | 256          | rVB3     | 393            | 367           | 0.02%           | 0.003%        |
| 10        | 3.483       | 256           | 259         | 261          | rVB3     | 493            | 387           | 0.02%           | 0.003%        |
| 11        | 3.513       | 261           | 264         | 265          | rBV2     | 433            | 450           | 0.03%           | 0.003%        |
| 12        | 3.556       | 268           | 271         | 274          | rBV4     | 533            | 713           | 0.04%           | 0.005%        |
| 13        | 3.580       | 274           | 275         | 278          | rBV2     | 438            | 369           | 0.02%           | 0.003%        |
| 14        | 3.684       | 289           | 292         | 295          | rBV4     | 525            | 576           | 0.04%           | 0.004%        |
| 15        | 3.824       | 313           | 315         | 318          | rBV3     | 338            | 383           | 0.02%           | 0.003%        |
| 16        | 3.861       | 318           | 321         | 325          | rVB5     | 543            | 712           | 0.04%           | 0.005%        |
| 17        | 4.025       | 336           | 348         | 361          | rBV      | 123959         | 384770        | 24.06%          | 2.747%        |
| 18        | 4.129       | 361           | 365         | 373          | rVB3     | 4059           | 10465         | 0.65%           | 0.075%        |
| 19        | 4.196       | 373           | 376         | 385          | rVB5     | 1288           | 2751          | 0.17%           | 0.020%        |
| 20        | 4.269       | 386           | 388         | 391          | rVB      | 304            | 312           | 0.02%           | 0.002%        |
| 21        | 4.300       | 391           | 393         | 395          | rVB3     | 429            | 301           | 0.02%           | 0.002%        |
| 22        | 4.397       | 399           | 409         | 428          | rBV3     | 11017          | 49513         | 3.10%           | 0.353%        |
| 23        | 4.531       | 430           | 431         | 435          | rVB3     | 538            | 349           | 0.02%           | 0.002%        |
| 24        | 4.659       | 451           | 452         | 456          | rVB2     | 402            | 392           | 0.02%           | 0.003%        |
| 25        | 4.696       | 456           | 458         | 460          | rVB2     | 309            | 300           | 0.02%           | 0.002%        |
| 26        | 4.793       | 472           | 474         | 480          | rVB      | 262            | 459           | 0.03%           | 0.003%        |
| 27        | 4.921       | 483           | 495         | 513          | rBV3     | 37506          | 138280        | 8.65%           | 0.987%        |
| 28        | 5.037       | 513           | 514         | 519          | rVB4     | 645            | 695           | 0.04%           | 0.005%        |
| 29        | 5.123       | 519           | 528         | 533          | rBV5     | 1738           | 5702          | 0.36%           | 0.041%        |
| 30        | 5.208       | 541           | 542         | 546          | rVB2     | 721            | 603           | 0.04%           | 0.004%        |
| 31        | 5.287       | 554           | 555         | 561          | rVB2     | 415            | 522           | 0.03%           | 0.004%        |
| 32        | 5.330       | 561           | 562         | 568          | rBV2     | 277            | 371           | 0.02%           | 0.003%        |
| 33        | 5.391       | 568           | 572         | 573          | rBV2     | 306            | 311           | 0.02%           | 0.002%        |
| 34        | 5.409       | 573           | 575         | 576          | rBV2     | 878            | 911           | 0.06%           | 0.007%        |
| 35        | 5.434       | 576           | 579         | 580          | rBV2     | 1250           | 1489          | 0.09%           | 0.011%        |
| 36        | 5.556       | 596           | 599         | 600          | rBV3     | 438            | 363           | 0.02%           | 0.003%        |

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 Sample : M2177-03  
 Misc : 5.33G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG580

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 37 | 5.769 | 627  | 634  | 636  | rBV4 | 684    | 1522    | 0.10%   | 0.011%  |
| 38 | 5.946 | 652  | 663  | 676  | rVB3 | 9999   | 31408   | 1.96%   | 0.224%  |
| 39 | 6.123 | 687  | 692  | 696  | rBV3 | 391    | 808     | 0.05%   | 0.006%  |
| 40 | 6.196 | 701  | 704  | 707  | rBV3 | 542    | 792     | 0.05%   | 0.006%  |
| 41 | 6.305 | 719  | 722  | 725  | rVB2 | 605    | 686     | 0.04%   | 0.005%  |
| 42 | 6.342 | 725  | 728  | 730  | rBV3 | 409    | 518     | 0.03%   | 0.004%  |
| 43 | 6.397 | 733  | 737  | 738  | rBV2 | 358    | 382     | 0.02%   | 0.003%  |
| 44 | 6.433 | 740  | 743  | 746  | rVB3 | 438    | 547     | 0.03%   | 0.004%  |
| 45 | 6.458 | 746  | 747  | 750  | rBV  | 351    | 324     | 0.02%   | 0.002%  |
| 46 | 6.500 | 752  | 754  | 757  | rVB3 | 452    | 595     | 0.04%   | 0.004%  |
| 47 | 6.531 | 757  | 759  | 764  | rBV3 | 508    | 647     | 0.04%   | 0.005%  |
| 48 | 6.598 | 767  | 770  | 774  | rBV4 | 823    | 1340    | 0.08%   | 0.010%  |
| 49 | 6.720 | 787  | 790  | 796  | rVB4 | 891    | 1367    | 0.09%   | 0.010%  |
| 50 | 6.787 | 796  | 801  | 802  | rBV2 | 452    | 583     | 0.04%   | 0.004%  |
| 51 | 6.799 | 802  | 803  | 806  | rBV  | 381    | 340     | 0.02%   | 0.002%  |
| 52 | 6.848 | 809  | 811  | 812  | rBV  | 510    | 403     | 0.03%   | 0.003%  |
| 53 | 6.903 | 817  | 820  | 821  | rBV3 | 578    | 725     | 0.05%   | 0.005%  |
| 54 | 6.915 | 821  | 822  | 825  | rVV3 | 717    | 594     | 0.04%   | 0.004%  |
| 55 | 6.970 | 830  | 831  | 832  | rVV  | 1417   | 990     | 0.06%   | 0.007%  |
| 56 | 6.988 | 832  | 834  | 841  | rVB5 | 1773   | 2314    | 0.14%   | 0.017%  |
| 57 | 7.080 | 841  | 849  | 856  | rBV  | 53470  | 153163  | 9.58%   | 1.093%  |
| 58 | 7.135 | 856  | 858  | 872  | rVV2 | 22446  | 53256   | 3.33%   | 0.380%  |
| 59 | 7.232 | 872  | 874  | 877  | rVV4 | 1088   | 1082    | 0.07%   | 0.008%  |
| 60 | 7.287 | 881  | 883  | 886  | rVB4 | 751    | 738     | 0.05%   | 0.005%  |
| 61 | 7.378 | 894  | 898  | 900  | rBV4 | 585    | 631     | 0.04%   | 0.005%  |
| 62 | 7.445 | 905  | 909  | 912  | rBV3 | 666    | 1205    | 0.08%   | 0.009%  |
| 63 | 7.488 | 914  | 916  | 919  | rBV4 | 891    | 651     | 0.04%   | 0.005%  |
| 64 | 7.531 | 921  | 923  | 925  | rBV3 | 740    | 675     | 0.04%   | 0.005%  |
| 65 | 7.647 | 933  | 942  | 959  | rBV  | 300303 | 739933  | 46.27%  | 5.282%  |
| 66 | 7.775 | 961  | 963  | 966  | rVB4 | 1082   | 767     | 0.05%   | 0.005%  |
| 67 | 7.817 | 969  | 970  | 972  | rVB2 | 928    | 640     | 0.04%   | 0.005%  |
| 68 | 7.860 | 972  | 977  | 978  | rBV5 | 1131   | 1841    | 0.12%   | 0.013%  |
| 69 | 7.878 | 978  | 980  | 982  | rBV3 | 664    | 570     | 0.04%   | 0.004%  |
| 70 | 7.951 | 986  | 992  | 999  | rBV9 | 4609   | 10708   | 0.67%   | 0.076%  |
| 71 | 8.043 | 1001 | 1007 | 1011 | rBV8 | 2568   | 6299    | 0.39%   | 0.045%  |
| 72 | 8.134 | 1018 | 1022 | 1023 | rBV4 | 1714   | 2479    | 0.16%   | 0.018%  |
| 73 | 8.195 | 1030 | 1032 | 1033 | rBV2 | 641    | 364     | 0.02%   | 0.003%  |
| 74 | 8.275 | 1033 | 1045 | 1060 | rVV2 | 505443 | 1599170 | 100.00% | 11.417% |
| 75 | 8.390 | 1062 | 1064 | 1065 | rBV2 | 905    | 568     | 0.04%   | 0.004%  |
| 76 | 8.512 | 1083 | 1084 | 1089 | rVB5 | 1411   | 1950    | 0.12%   | 0.014%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG580

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 77  | 8.579  | 1089 | 1095 | 1100 | rBV9 | 2904   | 6932    | 0.43%  | 0.049%  |
| 78  | 8.842  | 1129 | 1138 | 1151 | rBV  | 708608 | 1380617 | 86.33% | 9.856%  |
| 79  | 9.274  | 1201 | 1209 | 1217 | rBV  | 399999 | 811402  | 50.74% | 5.793%  |
| 80  | 9.762  | 1284 | 1289 | 1294 | rVB6 | 6897   | 12997   | 0.81%  | 0.093%  |
| 81  | 9.896  | 1307 | 1311 | 1317 | rVB5 | 8906   | 15880   | 0.99%  | 0.113%  |
| 82  | 10.036 | 1327 | 1334 | 1341 | rBV2 | 195155 | 362181  | 22.65% | 2.586%  |
| 83  | 10.323 | 1374 | 1381 | 1388 | rBV  | 648179 | 1139556 | 71.26% | 8.135%  |
| 84  | 10.390 | 1388 | 1392 | 1399 | rVB3 | 11544  | 20860   | 1.30%  | 0.149%  |
| 85  | 10.579 | 1417 | 1423 | 1429 | rBV  | 123881 | 214407  | 13.41% | 1.531%  |
| 86  | 10.701 | 1440 | 1443 | 1449 | rVB2 | 30250  | 55086   | 3.44%  | 0.393%  |
| 87  | 10.927 | 1474 | 1480 | 1489 | rBV  | 218024 | 387685  | 24.24% | 2.768%  |
| 88  | 11.445 | 1561 | 1565 | 1567 | rBV4 | 24048  | 42943   | 2.69%  | 0.307%  |
| 89  | 11.634 | 1590 | 1596 | 1604 | rVB  | 911163 | 1585966 | 99.17% | 11.322% |
| 90  | 12.627 | 1752 | 1759 | 1761 | rBV5 | 67309  | 166357  | 10.40% | 1.188%  |
| 91  | 12.694 | 1765 | 1770 | 1781 | rVB  | 390293 | 737591  | 46.12% | 5.266%  |
| 92  | 12.871 | 1793 | 1799 | 1803 | rBV9 | 46463  | 130002  | 8.13%  | 0.928%  |
| 93  | 13.292 | 1865 | 1868 | 1872 | rBV2 | 49948  | 92903   | 5.81%  | 0.663%  |
| 94  | 13.554 | 1906 | 1911 | 1921 | rBV  | 853283 | 1423571 | 89.02% | 10.163% |
| 95  | 13.755 | 1939 | 1944 | 1954 | rVB8 | 83940  | 268549  | 16.79% | 1.917%  |
| 96  | 13.853 | 1954 | 1960 | 1967 | rBV  | 662086 | 1160938 | 72.60% | 8.288%  |
| 97  | 14.194 | 2013 | 2016 | 2021 | rBV6 | 27763  | 55499   | 3.47%  | 0.396%  |
| 98  | 14.383 | 2043 | 2047 | 2051 | rBV2 | 75306  | 104858  | 6.56%  | 0.749%  |
| 99  | 15.322 | 2197 | 2201 | 2208 | rBV3 | 50010  | 96766   | 6.05%  | 0.691%  |
| 100 | 16.279 | 2354 | 2358 | 2366 | rVB2 | 46964  | 91977   | 5.75%  | 0.657%  |

Sum of corrected areas: 14007390



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Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

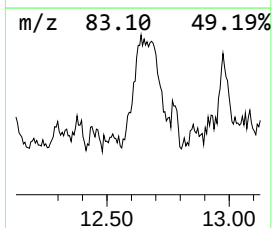
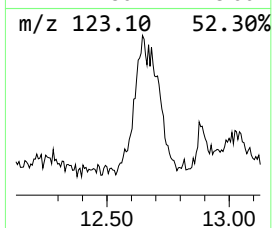
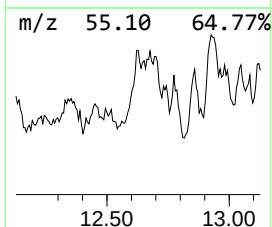
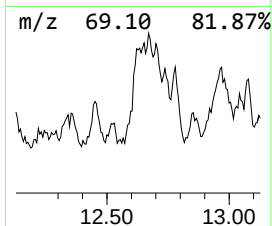
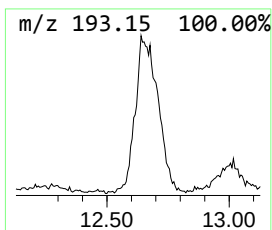
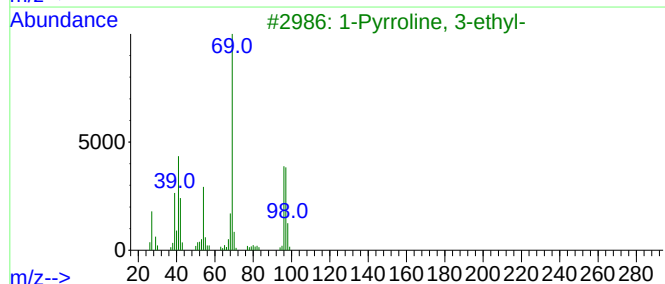
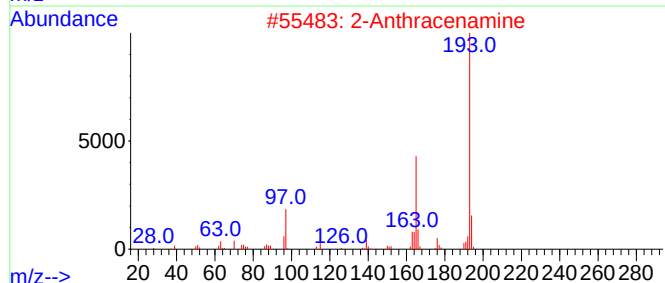
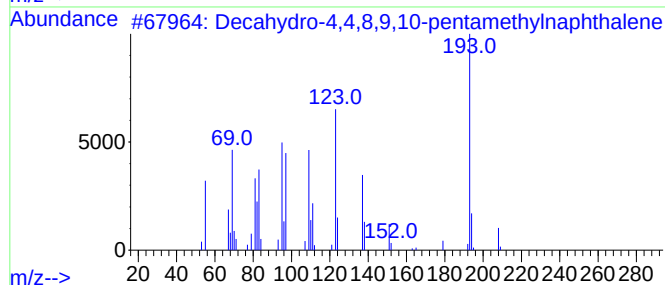
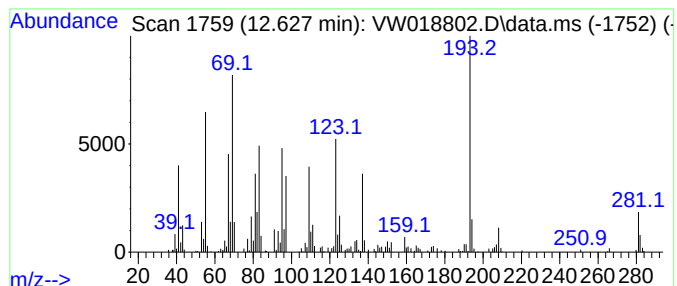
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Decahydro-4,4,8,9,10-pentam... Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.627 | 2.92 ug/L | 166357 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28   | 080655-44-3  | 89   |
| 2    |    |   | 2-Anthracenamine                    | 193 | C14H11N  | 000613-13-8  | 18   |
| 3    |    |   | 1-Pyrroline, 3-ethyl-               | 97  | C6H11N   | 1000073-06-0 | 18   |
| 4    |    |   | Cyclopentanecarboxylic acid, phe... | 190 | C12H14O2 | 054758-32-6  | 18   |
| 5    |    |   | Borinic acid, diethyl-, 3,3,5-tr... | 208 | C13H25BO | 057387-76-5  | 18   |



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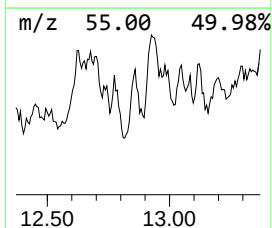
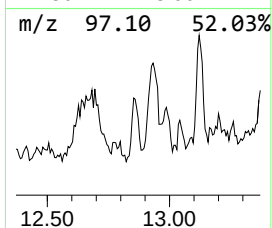
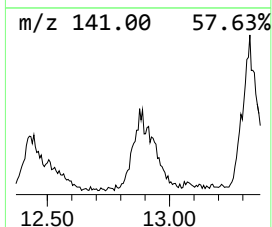
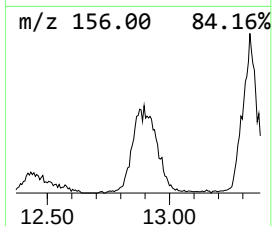
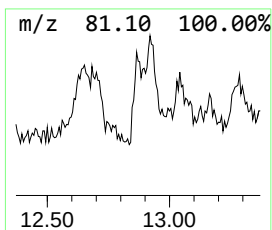
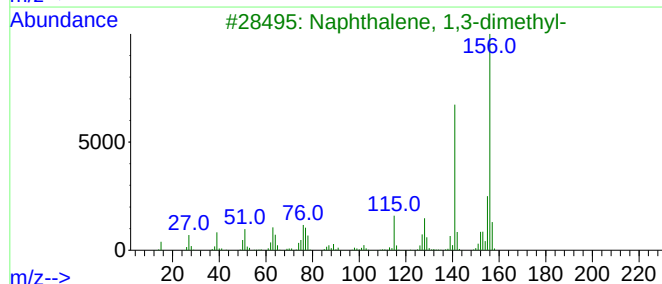
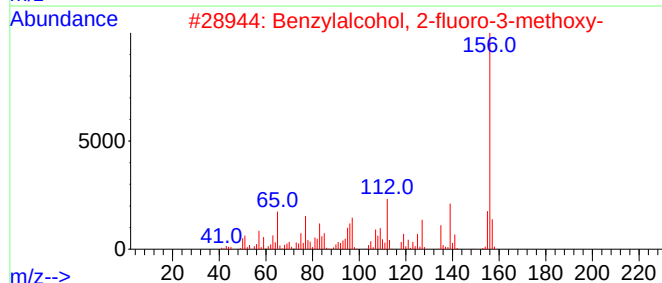
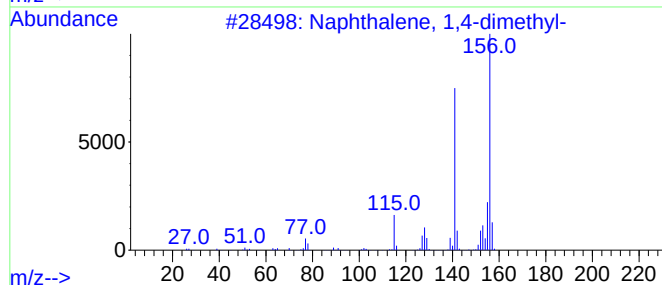
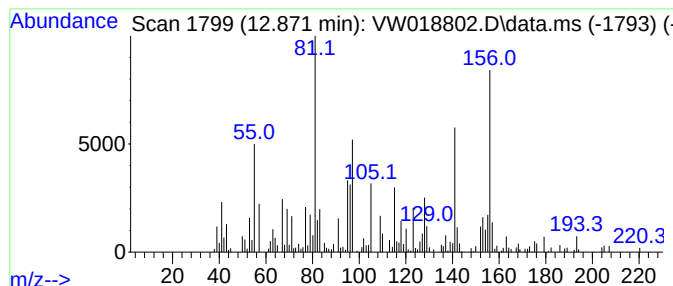
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.871 | 2.28 ug/L | 130002 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4-dimethyl-         | 156 | C12H12  | 000571-58-4 | 52   |
| 2    |    |   | Benzylalcohol, 2-fluoro-3-methoxy- | 156 | C8H9FO2 | 178974-59-9 | 50   |
| 3    |    |   | Naphthalene, 1,3-dimethyl-         | 156 | C12H12  | 000575-41-7 | 41   |
| 4    |    |   | Naphthalene, 2,3-dimethyl-         | 156 | C12H12  | 000581-40-8 | 41   |
| 5    |    |   | Naphthalene, 2,7-dimethyl-         | 156 | C12H12  | 000582-16-1 | 38   |



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ClientSampleId :  
BG580

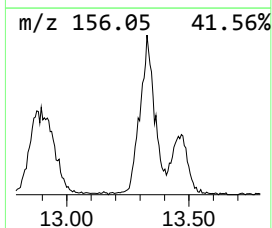
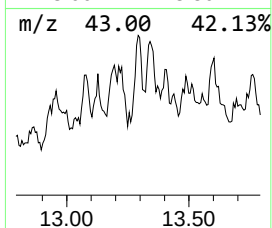
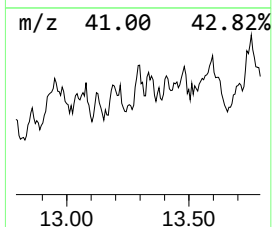
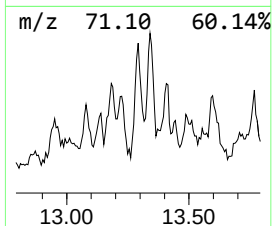
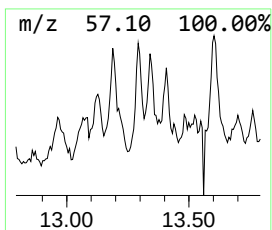
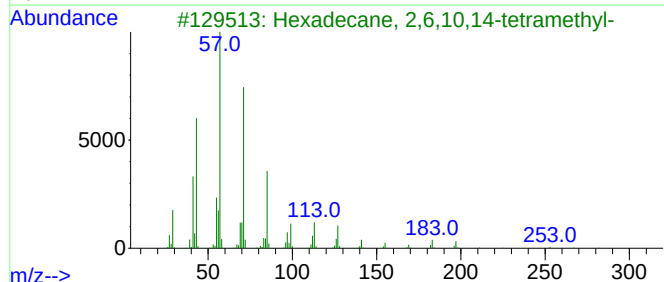
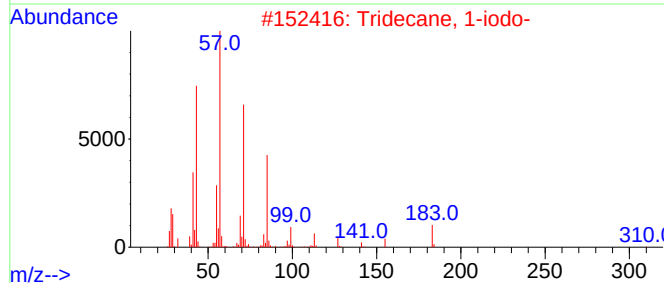
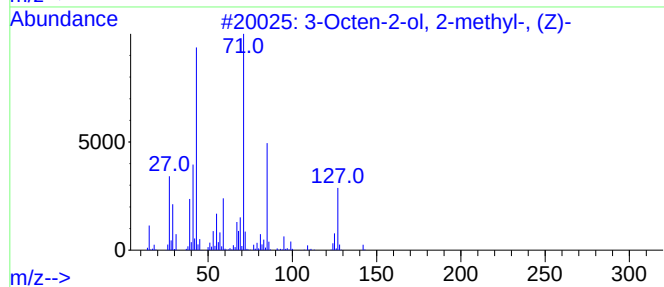
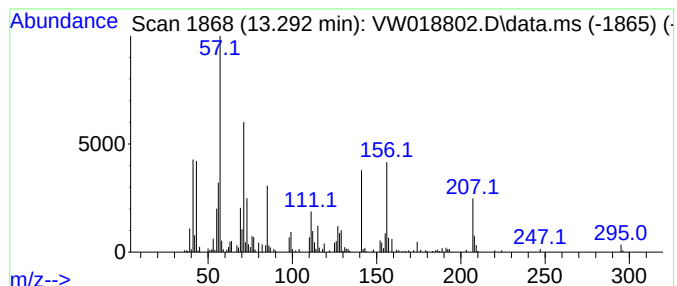
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown-01 Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.292 | 1.63 ug/L | 92903 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Octen-2-ol, 2-methyl-, (Z)-      | 142 | C9H18O  | 018521-07-8 | 25   |
| 2    |    |   | Tridecane, 1-iodo-                 | 310 | C13H27I | 035599-77-0 | 22   |
| 3    |    |   | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 22   |
| 4    |    |   | Decane, 2,3,5-trimethyl-           | 184 | C13H28  | 062238-11-3 | 22   |
| 5    |    |   | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42  | 000504-44-9 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
Data File : VW018802.D  
Acq On : 27 Apr 2021 14:46  
Operator : SY/VA  
Sample : M2177-03  
Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

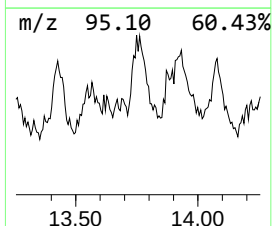
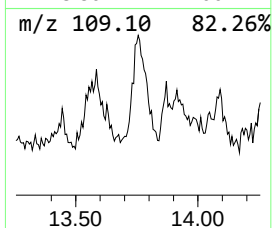
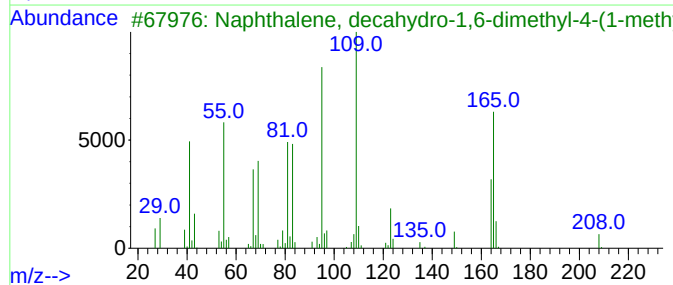
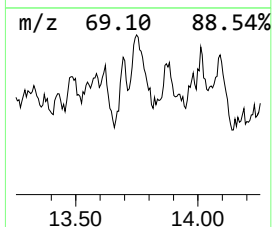
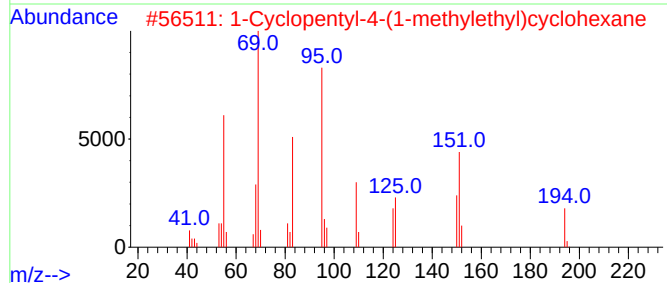
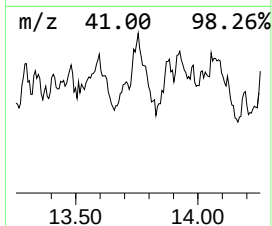
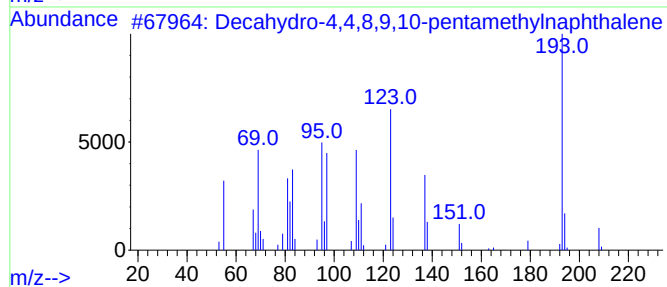
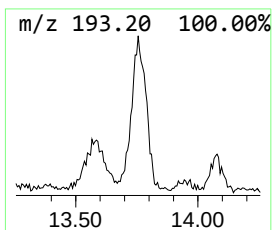
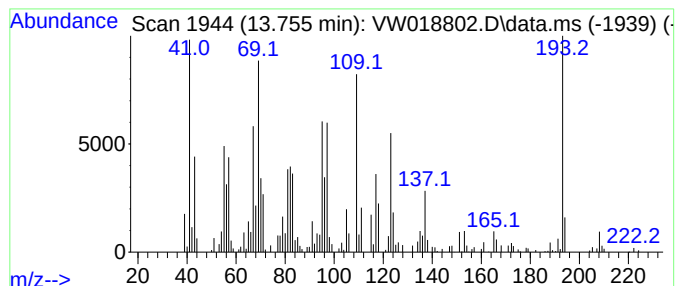
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown-02 Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.755 | 4.72 ug/L | 268549 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28  | 080655-44-3  | 58   |
| 2    |    |   | 1-Cyclopentyl-4-(1-methylethyl)c... | 194 | C14H26  | 1000215-44-4 | 30   |
| 3    |    |   | Naphthalene, decahydro-1,6-dimet... | 208 | C15H28  | 029788-41-8  | 25   |
| 4    |    |   | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O  | 085136-08-9  | 25   |
| 5    |    |   | 3,5-Octadiene, 4,5-diethyl-3,6-d... | 194 | C14H26  | 061233-79-2  | 25   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
Data File : VW018802.D  
Acq On : 27 Apr 2021 14:46  
Operator : SY/VA  
Sample : M2177-03  
Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

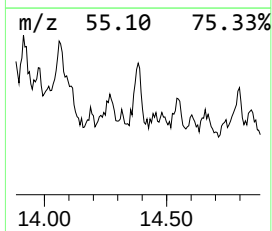
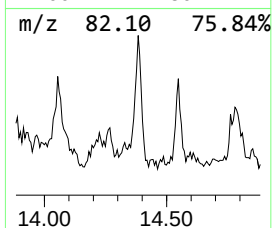
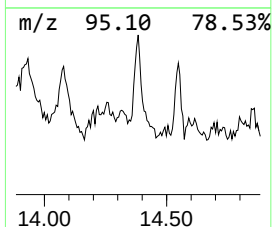
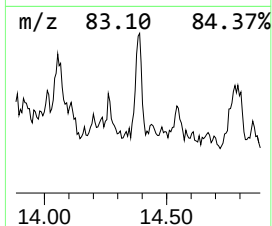
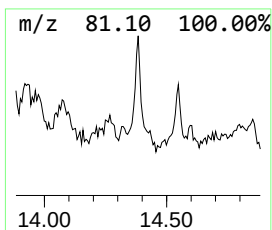
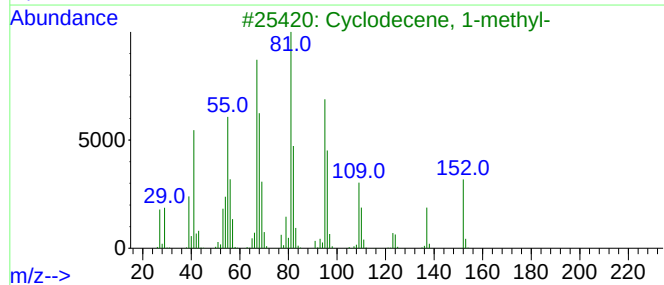
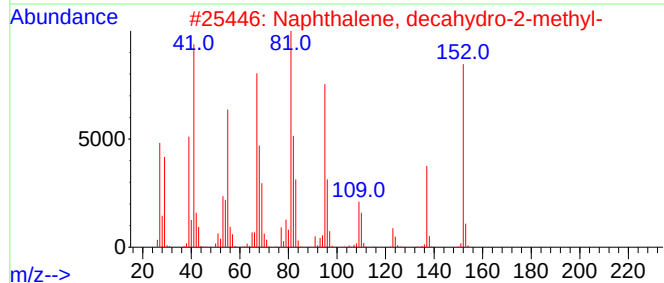
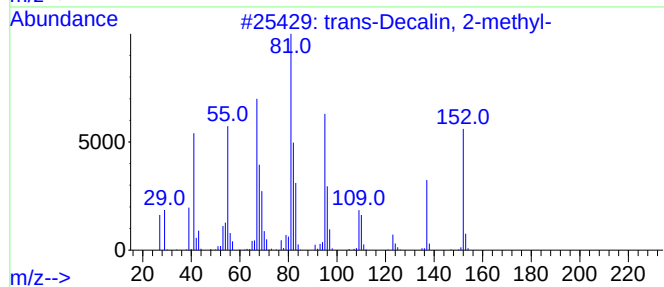
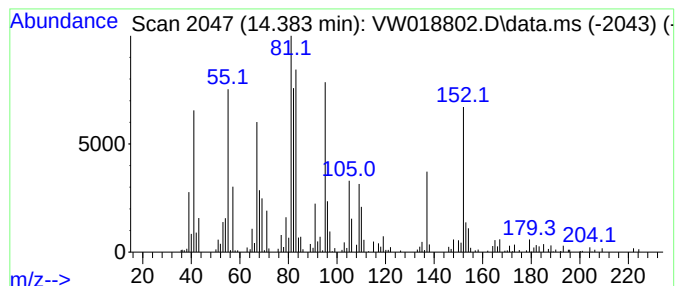
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 trans-Decalin, 2-methyl- Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.383 | 1.84 ug/L | 104858 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans-Decalin, 2-methyl-         | 152 | C11H20  | 1000152-47-3 | 76   |
| 2    |    |   | Naphthalene, decahydro-2-methyl- | 152 | C11H20  | 002958-76-1  | 68   |
| 3    |    |   | Cyclodecene, 1-methyl-           | 152 | C11H20  | 066633-38-3  | 52   |
| 4    |    |   | Decalin, anti-1-methyl-, cis-    | 152 | C11H20  | 1000158-89-0 | 52   |
| 5    |    |   | Decalin, syn-1-methyl-, cis-     | 152 | C11H20  | 1000158-89-1 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
Data File : VW018802.D  
Acq On : 27 Apr 2021 14:46  
Operator : SY/VA  
Sample : M2177-03  
Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

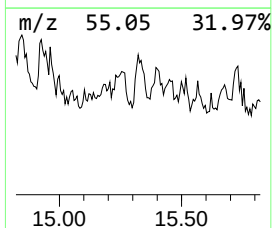
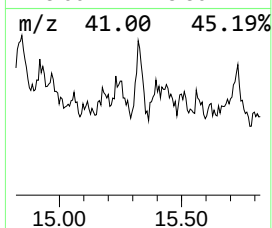
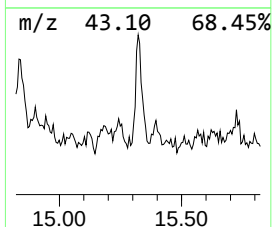
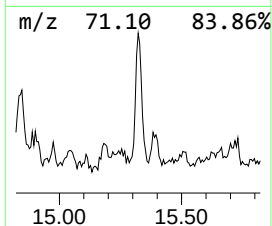
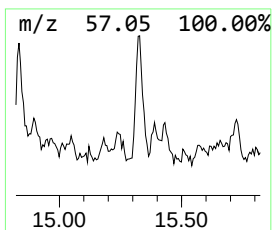
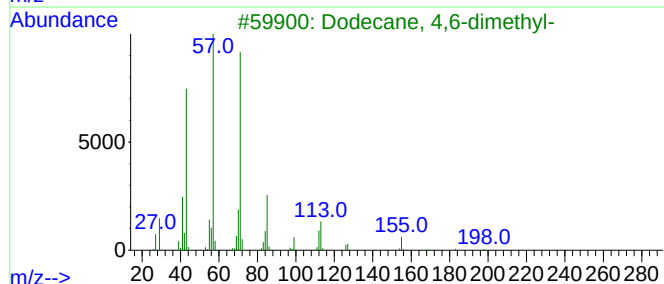
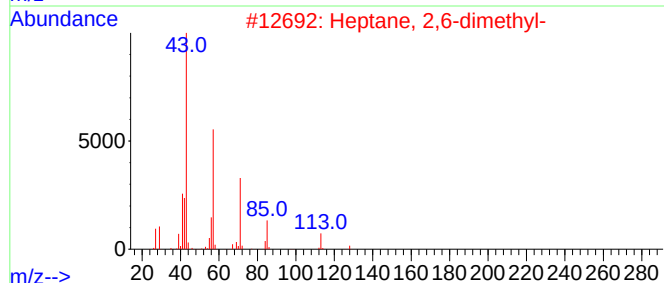
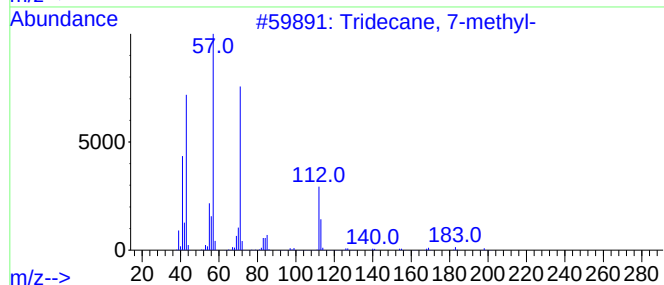
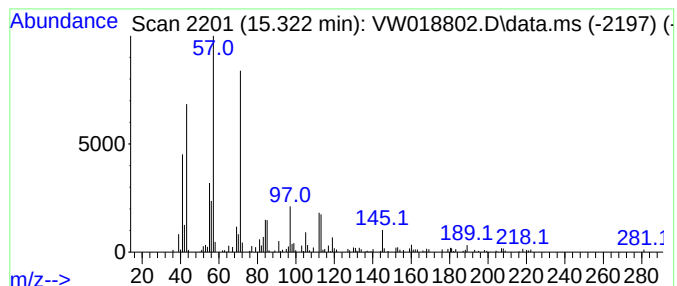
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.322 | 1.70 ug/L | 96766 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 7-methyl-    | 198 | C14H30  | 026730-14-3 | 86   |
| 2    |    |   | Heptane, 2,6-dimethyl-  | 128 | C9H20   | 001072-05-5 | 62   |
| 3    |    |   | Dodecane, 4,6-dimethyl- | 198 | C14H30  | 061141-72-8 | 58   |
| 4    |    |   | Oxirane, pentyl-        | 114 | C7H14O  | 005063-65-0 | 47   |
| 5    |    |   | Octane, 2-bromo-        | 192 | C8H17Br | 000557-35-7 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
Data File : VW018802.D  
Acq On : 27 Apr 2021 14:46  
Operator : SY/VA  
Sample : M2177-03  
Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

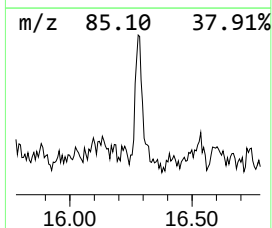
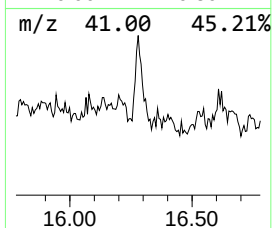
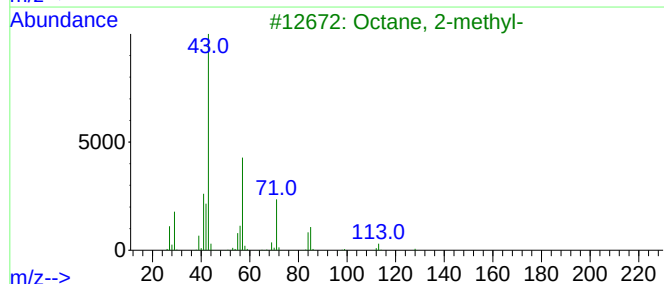
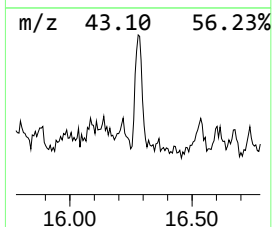
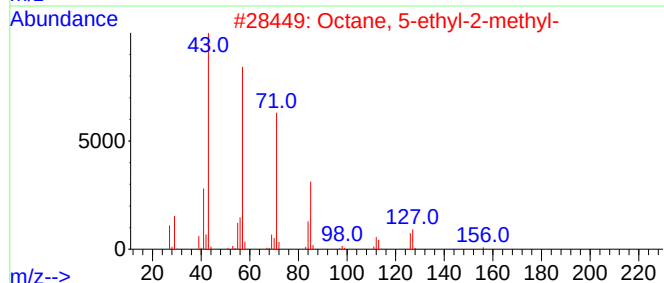
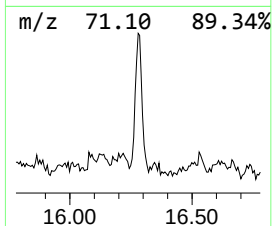
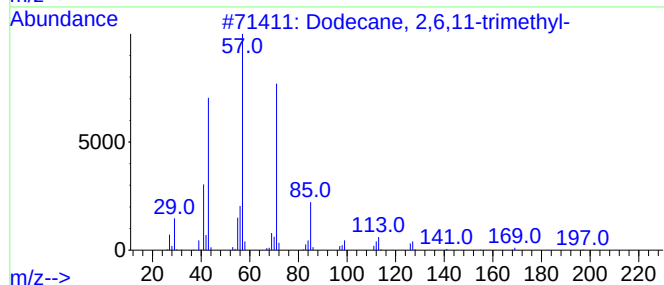
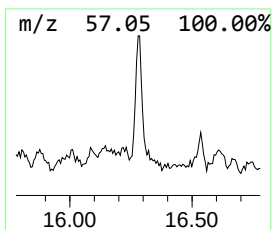
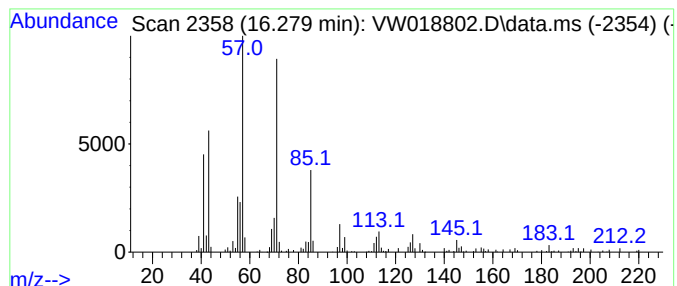
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.279 | 1.62 ug/L | 91977 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 86   |
| 2    |    |   | Octane, 5-ethyl-2-methyl-   | 156 | C11H24  | 062016-18-6 | 86   |
| 3    |    |   | Octane, 2-methyl-           | 128 | C9H20   | 003221-61-2 | 83   |
| 4    |    |   | Tetradecane, 4-methyl-      | 212 | C15H32  | 025117-24-2 | 80   |
| 5    |    |   | Decane, 3,7-dimethyl-       | 170 | C12H26  | 017312-54-8 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
Data File : VW018802.D  
Acq On : 27 Apr 2021 14:46  
Operator : SY/VA  
Sample : M2177-03  
Misc : 5.33G/10ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG580

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Decahydro-4,4,8... | 12.627 | 2.9     | ug/L  | 166357   | 3                     | 13.554 | 1423570 | 25.0 |
| Naphthalene, 1,... | 12.871 | 2.3     | ug/L  | 130002   | 3                     | 13.554 | 1423570 | 25.0 |
| unknown-01         | 13.292 | 1.6     | ug/L  | 92903    | 3                     | 13.554 | 1423570 | 25.0 |
| unknown-02         | 13.755 | 4.7     | ug/L  | 268549   | 3                     | 13.554 | 1423570 | 25.0 |
| trans-Decalin, ... | 14.383 | 1.8     | ug/L  | 104858   | 3                     | 13.554 | 1423570 | 25.0 |
| (DEL) Alkane: S... | 15.322 | 1.7     | ug/L  | 96766    | 3                     | 13.554 | 1423570 | 25.0 |
| (DEL) Alkane: S... | 16.279 | 1.6     | ug/L  | 91977    | 3                     | 13.554 | 1423570 | 25.0 |