

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020317.D  
 Acq On : 06 Oct 2021 15:24  
 Operator : SY/VA  
 Sample : VIBLK451  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK451

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\SFAMWLM100621SMA.M  
 Title : SFAM01.0

Signal : TIC: VW020317.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         | 2.349       | 68            | 73          | 81           | rVB      | 107918         | 173314        | 14.47%          | 1.991%        |
| 2         | 2.885       | 154           | 161         | 173          | rVB      | 48009          | 101777        | 8.50%           | 1.169%        |
| 3         | 3.337       | 233           | 235         | 236          | rBV      | 123            | 106           | 0.01%           | 0.001%        |
| 4         | 3.379       | 239           | 242         | 246          | rVB3     | 414            | 658           | 0.05%           | 0.008%        |
| 5         | 3.416       | 246           | 248         | 251          | rVB3     | 168            | 184           | 0.02%           | 0.002%        |
| 6         | 3.452       | 251           | 254         | 256          | rBV      | 164            | 191           | 0.02%           | 0.002%        |
| 7         | 3.562       | 270           | 272         | 273          | rBV      | 227            | 133           | 0.01%           | 0.002%        |
| 8         | 3.580       | 273           | 275         | 279          | rBV3     | 231            | 339           | 0.03%           | 0.004%        |
| 9         | 3.684       | 287           | 292         | 297          | rVB2     | 448            | 645           | 0.05%           | 0.007%        |
| 10        | 3.751       | 301           | 303         | 305          | rBV      | 151            | 132           | 0.01%           | 0.002%        |
| 11        | 3.916       | 329           | 330         | 333          | rBV2     | 89             | 102           | 0.01%           | 0.001%        |
| 12        | 4.019       | 335           | 347         | 363          | rBV      | 141644         | 426230        | 35.58%          | 4.897%        |
| 13        | 4.166       | 369           | 371         | 377          | rVB3     | 382            | 429           | 0.04%           | 0.005%        |
| 14        | 4.251       | 377           | 385         | 396          | rVB2     | 1176           | 3682          | 0.31%           | 0.042%        |
| 15        | 4.562       | 435           | 436         | 438          | rBV      | 128            | 110           | 0.01%           | 0.001%        |
| 16        | 4.678       | 452           | 455         | 457          | rBV2     | 171            | 138           | 0.01%           | 0.002%        |
| 17        | 4.916       | 483           | 494         | 511          | rVB2     | 24004          | 79551         | 6.64%           | 0.914%        |
| 18        | 5.117       | 525           | 527         | 528          | rBV      | 154            | 99            | 0.01%           | 0.001%        |
| 19        | 5.239       | 546           | 547         | 550          | rBV      | 115            | 123           | 0.01%           | 0.001%        |
| 20        | 5.336       | 561           | 563         | 566          | rBV2     | 140            | 139           | 0.01%           | 0.002%        |
| 21        | 5.464       | 581           | 584         | 587          | rBV2     | 106            | 101           | 0.01%           | 0.001%        |
| 22        | 5.525       | 591           | 594         | 595          | rVB      | 138            | 122           | 0.01%           | 0.001%        |
| 23        | 5.543       | 595           | 597         | 601          | rBV2     | 91             | 125           | 0.01%           | 0.001%        |
| 24        | 5.647       | 611           | 614         | 616          | rVV2     | 111            | 120           | 0.01%           | 0.001%        |
| 25        | 5.684       | 619           | 620         | 622          | rBV2     | 144            | 105           | 0.01%           | 0.001%        |
| 26        | 5.848       | 646           | 647         | 651          | rVB      | 157            | 177           | 0.01%           | 0.002%        |
| 27        | 5.940       | 651           | 662         | 673          | rBV4     | 7701           | 22940         | 1.92%           | 0.264%        |
| 28        | 6.068       | 682           | 683         | 685          | rBV      | 131            | 113           | 0.01%           | 0.001%        |
| 29        | 6.275       | 715           | 717         | 719          | rVB      | 142            | 122           | 0.01%           | 0.001%        |
| 30        | 6.452       | 742           | 746         | 747          | rBV2     | 112            | 115           | 0.01%           | 0.001%        |
| 31        | 6.641       | 774           | 777         | 780          | rBV2     | 123            | 140           | 0.01%           | 0.002%        |
| 32        | 6.769       | 795           | 798         | 800          | rVV      | 113            | 108           | 0.01%           | 0.001%        |
| 33        | 6.879       | 814           | 816         | 817          | rBV2     | 120            | 97            | 0.01%           | 0.001%        |
| 34        | 6.927       | 821           | 824         | 825          | rBV      | 111            | 124           | 0.01%           | 0.001%        |
| 35        | 7.086       | 840           | 850         | 872          | rBV      | 34779          | 104145        | 8.69%           | 1.196%        |
| 36        | 7.263       | 877           | 879         | 880          | rVV2     | 252            | 205           | 0.02%           | 0.002%        |

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 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 7.299  | 883  | 885  | 888  | rVB2 | 232    | 267     | 0.02%   | 0.003%  |
| 38 | 7.360  | 893  | 895  | 898  | rVB2 | 125    | 140     | 0.01%   | 0.002%  |
| 39 | 7.391  | 898  | 900  | 906  | rBV2 | 95     | 158     | 0.01%   | 0.002%  |
| 40 | 7.653  | 932  | 943  | 956  | rBV  | 197261 | 486190  | 40.59%  | 5.586%  |
| 41 | 7.781  | 960  | 964  | 966  | rVB3 | 405    | 407     | 0.03%   | 0.005%  |
| 42 | 7.891  | 979  | 982  | 986  | rVB3 | 135    | 194     | 0.02%   | 0.002%  |
| 43 | 7.952  | 988  | 992  | 993  | rBV2 | 547    | 694     | 0.06%   | 0.008%  |
| 44 | 8.281  | 1035 | 1046 | 1060 | rBV2 | 411011 | 1197813 | 100.00% | 13.761% |
| 45 | 8.695  | 1110 | 1114 | 1119 | rVB2 | 320    | 414     | 0.03%   | 0.005%  |
| 46 | 8.842  | 1130 | 1138 | 1151 | rBV  | 361006 | 703264  | 58.71%  | 8.079%  |
| 47 | 9.049  | 1169 | 1172 | 1173 | rVV  | 123    | 121     | 0.01%   | 0.001%  |
| 48 | 9.079  | 1173 | 1177 | 1181 | rVV3 | 800    | 1330    | 0.11%   | 0.015%  |
| 49 | 9.275  | 1200 | 1209 | 1219 | rBV  | 280540 | 562486  | 46.96%  | 6.462%  |
| 50 | 9.470  | 1239 | 1241 | 1242 | rBV  | 153    | 112     | 0.01%   | 0.001%  |
| 51 | 9.494  | 1242 | 1245 | 1246 | rBV  | 229    | 194     | 0.02%   | 0.002%  |
| 52 | 9.665  | 1267 | 1273 | 1279 | rBV3 | 626    | 1225    | 0.10%   | 0.014%  |
| 53 | 9.799  | 1292 | 1295 | 1299 | rVB2 | 177    | 221     | 0.02%   | 0.003%  |
| 54 | 9.841  | 1299 | 1302 | 1306 | rBV2 | 171    | 243     | 0.02%   | 0.003%  |
| 55 | 9.896  | 1308 | 1311 | 1312 | rBV3 | 277    | 275     | 0.02%   | 0.003%  |
| 56 | 9.939  | 1317 | 1318 | 1321 | rBV  | 106    | 123     | 0.01%   | 0.001%  |
| 57 | 9.988  | 1321 | 1326 | 1327 | rBV2 | 103    | 124     | 0.01%   | 0.001%  |
| 58 | 10.037 | 1327 | 1334 | 1343 | rBV  | 157705 | 277539  | 23.17%  | 3.188%  |
| 59 | 10.116 | 1346 | 1347 | 1349 | rVV  | 272    | 126     | 0.01%   | 0.001%  |
| 60 | 10.201 | 1357 | 1361 | 1365 | rBV3 | 239    | 398     | 0.03%   | 0.005%  |
| 61 | 10.256 | 1367 | 1370 | 1373 | rVB2 | 394    | 483     | 0.04%   | 0.006%  |
| 62 | 10.323 | 1373 | 1381 | 1388 | rBV  | 576380 | 1019872 | 85.14%  | 11.717% |
| 63 | 10.390 | 1388 | 1392 | 1401 | rVB  | 8313   | 15430   | 1.29%   | 0.177%  |
| 64 | 10.512 | 1410 | 1412 | 1416 | rVB2 | 379    | 339     | 0.03%   | 0.004%  |
| 65 | 10.579 | 1416 | 1423 | 1435 | rBV  | 99978  | 172237  | 14.38%  | 1.979%  |
| 66 | 10.707 | 1437 | 1444 | 1450 | rBV  | 17619  | 29744   | 2.48%   | 0.342%  |
| 67 | 10.756 | 1450 | 1452 | 1453 | rBV  | 154    | 108     | 0.01%   | 0.001%  |
| 68 | 10.847 | 1463 | 1467 | 1471 | rVB3 | 907    | 1201    | 0.10%   | 0.014%  |
| 69 | 10.927 | 1471 | 1480 | 1495 | rBV  | 133636 | 228341  | 19.06%  | 2.623%  |
| 70 | 11.061 | 1497 | 1502 | 1511 | rVV2 | 6253   | 11989   | 1.00%   | 0.138%  |
| 71 | 11.146 | 1515 | 1516 | 1517 | rVV  | 576    | 319     | 0.03%   | 0.004%  |
| 72 | 11.183 | 1517 | 1522 | 1524 | rVV5 | 953    | 1529    | 0.13%   | 0.018%  |
| 73 | 11.219 | 1527 | 1528 | 1533 | rVV3 | 386    | 371     | 0.03%   | 0.004%  |
| 74 | 11.274 | 1536 | 1537 | 1539 | rVB  | 297    | 183     | 0.02%   | 0.002%  |
| 75 | 11.335 | 1544 | 1547 | 1551 | rBV4 | 467    | 795     | 0.07%   | 0.009%  |
| 76 | 11.408 | 1555 | 1559 | 1562 | rBV3 | 1033   | 1555    | 0.13%   | 0.018%  |

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Integrator: RTE

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Min Area: 0 % of largest Peak

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |       |        |        |        |        |
|-----|--------|------|------|------|-------|--------|--------|--------|--------|
| 77  | 11.634 | 1588 | 1596 | 1611 | rVB   | 507403 | 847545 | 70.76% | 9.737% |
| 78  | 11.798 | 1621 | 1623 | 1626 | rBV3  | 380    | 534    | 0.04%  | 0.006% |
| 79  | 11.835 | 1626 | 1629 | 1632 | rVV4  | 986    | 1555   | 0.13%  | 0.018% |
| 80  | 11.951 | 1646 | 1648 | 1649 | rVB2  | 313    | 171    | 0.01%  | 0.002% |
| 81  | 11.969 | 1649 | 1651 | 1652 | rBV2  | 403    | 380    | 0.03%  | 0.004% |
| 82  | 12.250 | 1691 | 1697 | 1702 | rBV7  | 1030   | 2108   | 0.18%  | 0.024% |
| 83  | 12.359 | 1713 | 1715 | 1716 | rBV2  | 620    | 454    | 0.04%  | 0.005% |
| 84  | 12.603 | 1748 | 1755 | 1761 | rVB3  | 13662  | 30975  | 2.59%  | 0.356% |
| 85  | 12.695 | 1763 | 1770 | 1777 | rVV   | 192642 | 318929 | 26.63% | 3.664% |
| 86  | 12.756 | 1777 | 1780 | 1787 | rVB4  | 2856   | 5819   | 0.49%  | 0.067% |
| 87  | 12.884 | 1792 | 1801 | 1802 | rBV8  | 3836   | 9787   | 0.82%  | 0.112% |
| 88  | 13.188 | 1849 | 1851 | 1856 | rVB2  | 5678   | 7553   | 0.63%  | 0.087% |
| 89  | 13.554 | 1905 | 1911 | 1919 | rBV   | 524898 | 847383 | 70.74% | 9.735% |
| 90  | 13.762 | 1941 | 1945 | 1949 | rBV3  | 4870   | 7528   | 0.63%  | 0.086% |
| 91  | 13.853 | 1953 | 1960 | 1972 | rBV   | 501750 | 817648 | 68.26% | 9.393% |
| 92  | 14.066 | 1991 | 1995 | 2004 | rVB3  | 11556  | 23837  | 1.99%  | 0.274% |
| 93  | 14.207 | 2012 | 2018 | 2023 | rBV5  | 4819   | 10626  | 0.89%  | 0.122% |
| 94  | 14.499 | 2062 | 2066 | 2069 | rBV3  | 3465   | 4209   | 0.35%  | 0.048% |
| 95  | 14.792 | 2110 | 2114 | 2119 | rBV5  | 9061   | 18798  | 1.57%  | 0.216% |
| 96  | 15.060 | 2154 | 2158 | 2167 | rBV10 | 7736   | 22473  | 1.88%  | 0.258% |
| 97  | 15.322 | 2197 | 2201 | 2206 | rBV3  | 9812   | 17000  | 1.42%  | 0.195% |
| 98  | 15.438 | 2216 | 2220 | 2223 | rBV2  | 8411   | 13386  | 1.12%  | 0.154% |
| 99  | 16.279 | 2355 | 2358 | 2364 | rVB2  | 6818   | 10580  | 0.88%  | 0.122% |
| 100 | 16.639 | 2412 | 2417 | 2430 | rVB3  | 18381  | 49699  | 4.15%  | 0.571% |

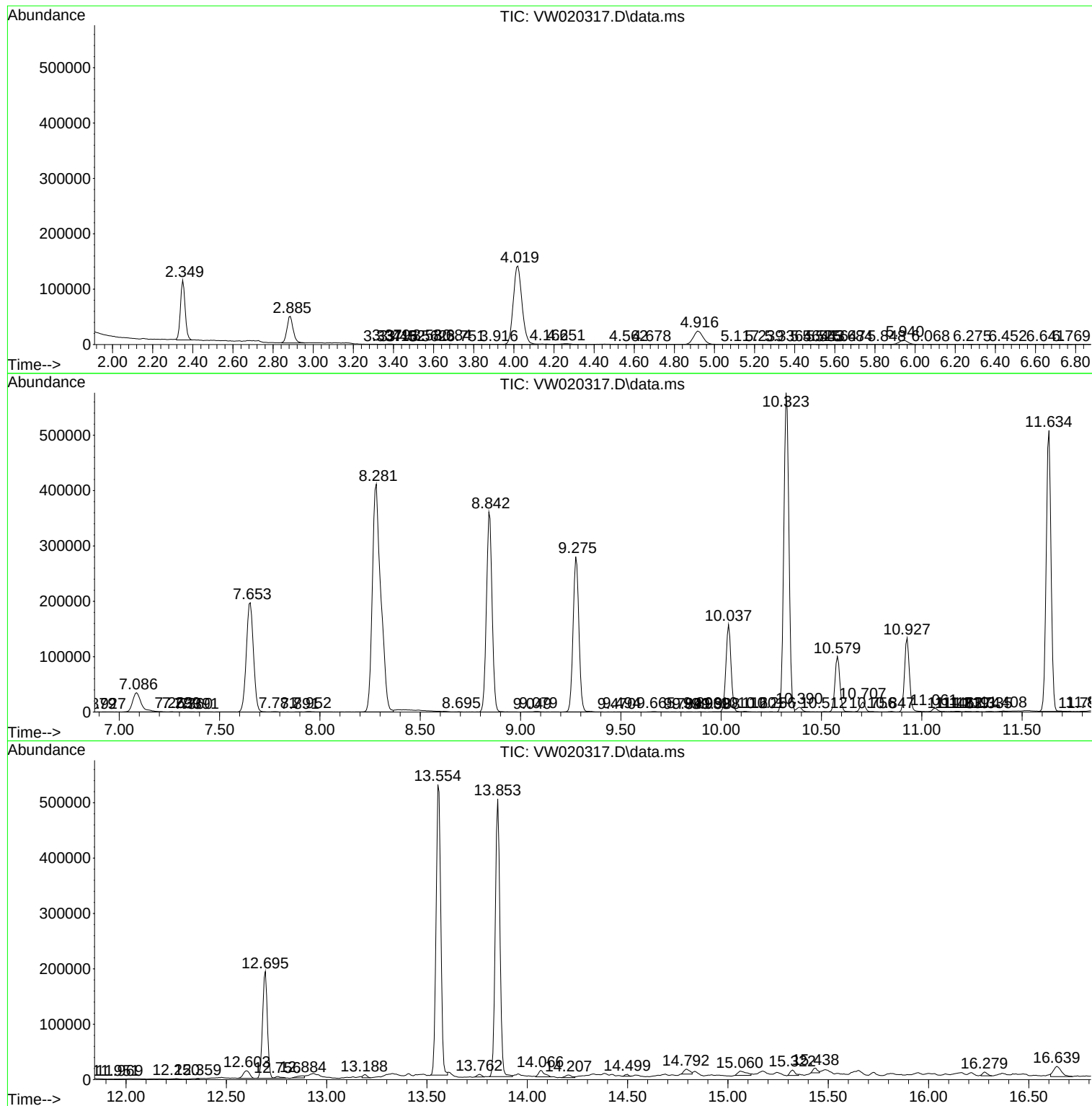
Sum of corrected areas: 8704472

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0

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



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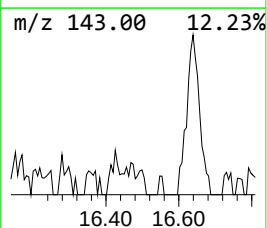
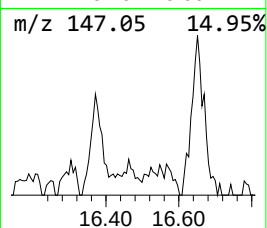
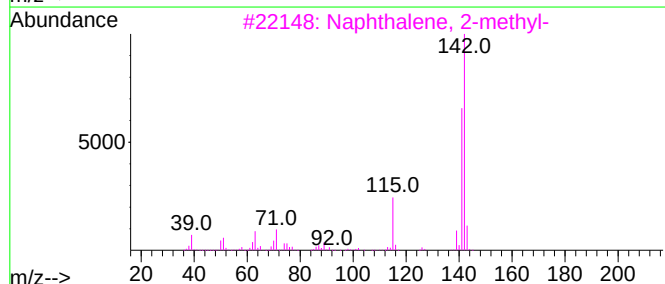
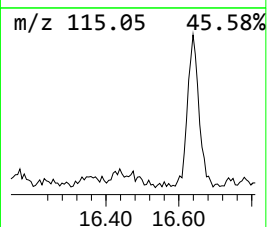
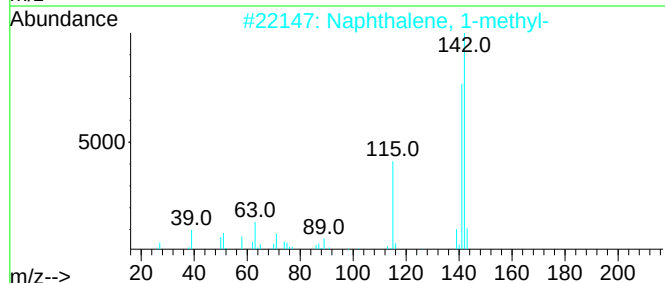
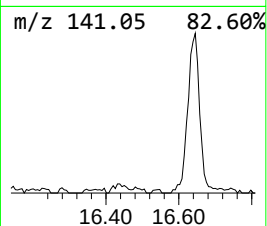
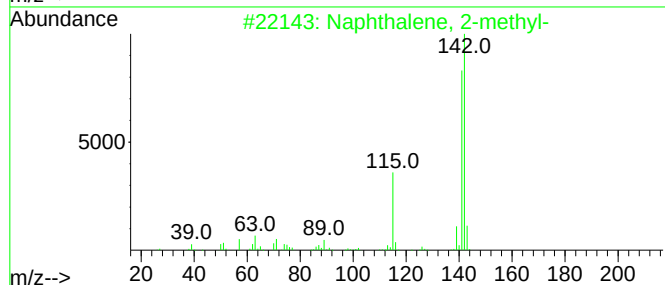
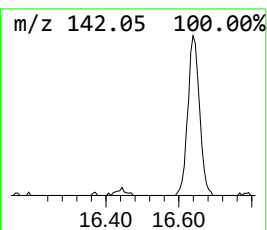
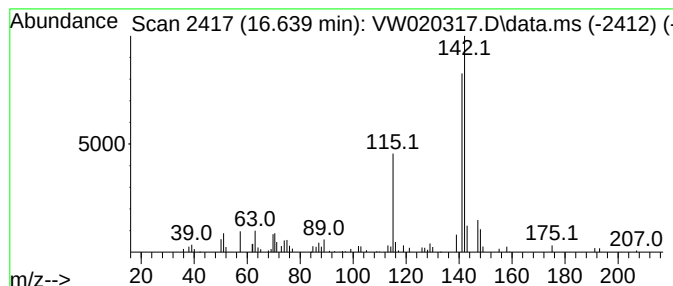
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Naphthalene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.639 | 1.47 ug/L | 49699 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 93   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 91   |
| 3    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 87   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 87   |
| 5    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 87   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Naphthalene, 2-... | 16.639 | 1.5     | ug/L  | 49699    | 3                     | 13.554 | 847383 | 25.0 |