LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
Data File : VW020444.D
Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK472

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\SFAMWLM100821SMA.M
Title : SFAM01.0

Signal : TIC: VW020444.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.349 | 67 | 73 | 82 | rVB | 85334 | 134365 | 12.10% | 1.581% |
| 2 | 2.885 | 154 | 161 | 172 | rVB | 39942 | 80656 | 7.26% | 0.949% |
| 3 | 3.672 | 288 | 290 | 296 | rVB3 | 275 | 418 | 0.04% | 0.005% |
| 4 | 3.751 | 301 | 303 | 305 | rVB | 127 | 96 | 0.01% | 0.001% |
| 5 | 3.782 | 305 | 308 | 311 | rBV | 81 | 110 | 0.01% | 0.001% |
| 6 | 4.013 | 335 | 346 | 363 | rBV | 124466 | 360216 | 32.44% | 4.238% |
| 7 | 4.129 | 363 | 365 | 367 | rVV | 264 | 208 | 0.02% | 0.002% |
| 8 | 4.269 | 387 | 388 | 390 | rVB2 | 124 | 88 | 0.01% | 0.001% |
| 9 | 4.690 | 455 | 457 | 459 | rBV | 148 | 108 | 0.01% | 0.001% |
| 10 | 4.745 | 461 | 466 | 467 | rBV2 | 87 | 129 | 0.01% | 0.002% |
| 11 | 4.915 | 481 | 494 | 509 | rBV2 | 34092 | 111875 | 10.07% | 1.316% |
| 12 | 5.324 | 560 | 561 | 564 | rBV | 121 | 102 | 0.01% | 0.001% |
| 13 | 5.409 | 572 | 575 | 579 | rBV2 | 104 | 144 | 0.01% | 0.002% |
| 14 | 5.604 | 605 | 607 | 611 | rVB2 | 86 | 130 | 0.01% | 0.002% |
| 15 | 5.671 | 616 | 618 | 619 | rVB2 | 124 | 84 | 0.01% | 0.001% |
| 16 | 5.690 | 619 | 621 | 622 | rBV | 118 | 84 | 0.01% | 0.001% |
| 17 | 5.946 | 651 | 663 | 673 | rVV2 | 8433 | 24949 | 2.25% | 0.294% |
| 18 | 6.293 | 719 | 720 | 723 | rBV | 136 | 140 | 0.01% | 0.002% |
| 19 | 6.366 | 728 | 732 | 735 | rVB2 | 133 | 224 | 0.02% | 0.003% |
| 20 | 6.397 | 735 | 737 | 739 | rBV | 93 | 97 | 0.01% | 0.001% |
| 21 | 6.604 | 769 | 771 | 773 | rVB | 197 | 104 | 0.01% | 0.001% |
| 22 | 6.830 | 805 | 808 | 809 | rBV2 | 172 | 117 | 0.01% | 0.001% |
| 23 | 7.086 | 840 | 850 | 871 | rBV | 31399 | 89385 | 8.05% | 1.052% |
| 24 | 7.244 | 875 | 876 | 878 | rVV2 | 139 | 118 | 0.01% | 0.001% |
| 25 | 7.360 | 892 | 895 | 898 | rVB2 | 142 | 151 | 0.01% | 0.002% |
| 26 | 7.415 | 901 | 904 | 907 | rVB2 | 90 | 127 | 0.01% | 0.001% |
| 27 | 7.446 | 907 | 909 | 911 | rVB2 | 117 | 101 | 0.01% | 0.001% |
| 28 | 7.543 | 921 | 925 | 931 | rVB3 | 504 | 1005 | 0.09% | 0.012% |
| 29 | 7.647 | 931 | 942 | 957 | rBV | 185181 | 452478 | 40.75% | 5.323% |
| 30 | 7.872 | 976 | 979 | 980 | rBV | 157 | 144 | 0.01% | 0.002% |
| 31 | 7.945 | 987 | 991 | 995 | rBV4 | 286 | 477 | 0.04% | 0.006% |
| 32 | 8.012 | 1001 | 1002 | 1004 | rBV2 | 92 | 87 | 0.01% | 0.001% |
| 33 | 8.043 | 1004 | 1007 | 1009 | rVB | 103 | 107 | 0.01% | 0.001% |
| 34 | 8.067 | 1009 | 1011 | 1013 | rBV2 | 80 | 94 | 0.01% | 0.001% |
| 35 | 8.122 | 1018 | 1020 | 1024 | rVB2 | 118 | 108 | 0.01% | 0.001% |
| 36 | 8.177 | 1024 | 1029 | 1032 | rVB | 146 | 168 | 0.02% | 0.002% |

LSC Area Percent Report

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Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK472

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\SFAMWLM100821SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.275 | 1035 | 1045 | 1060 | rBV2 | 374072 | 1110486 | 100.00% | 13.064% |
| 38 | 8.689 | 1108 | 1113 | 1117 | rBV3 | 267 | 426 | 0.04% | 0.005% |
| 39 | 8.842 | 1129 | 1138 | 1153 | rBV | 379233 | 742639 | 66.88% | 8.737% |
| 40 | 8.957 | 1156 | 1157 | 1159 | rVB2 | 165 | 86 | 0.01% | 0.001% |
| 41 | 9.079 | 1172 | 1177 | 1182 | rBV3 | 684 | 1090 | 0.10% | 0.013% |
| 42 | 9.201 | 1193 | 1197 | 1198 | rBV2 | 110 | 97 | 0.01% | 0.001% |
| 43 | 9.274 | 1200 | 1209 | 1219 | rBV | 269118 | 531137 | 47.83% | 6.249% |
| 44 | 9.494 | 1239 | 1245 | 1249 | rBV5 | 251 | 499 | 0.04% | 0.006% |
| 45 | 9.561 | 1255 | 1256 | 1258 | rVB2 | 143 | 101 | 0.01% | 0.001% |
| 46 | 9.591 | 1258 | 1261 | 1264 | rBV2 | 147 | 185 | 0.02% | 0.002% |
| 47 | 9.628 | 1264 | 1267 | 1269 | rVV | 84 | 104 | 0.01% | 0.001% |
| 48 | 9.665 | 1269 | 1273 | 1276 | rVV3 | 349 | 476 | 0.04% | 0.006% |
| 49 | 9.695 | 1276 | 1278 | 1279 | rVV2 | 158 | 114 | 0.01% | 0.001% |
| 50 | 9.713 | 1279 | 1281 | 1283 | rVB | 179 | 165 | 0.01% | 0.002% |
| 51 | 9.744 | 1283 | 1286 | 1287 | rBV2 | 147 | 138 | 0.01% | 0.002% |
| 52 | 9.756 | 1287 | 1288 | 1291 | rBV2 | 114 | 108 | 0.01% | 0.001% |
| 53 | 9.817 | 1296 | 1298 | 1300 | rBV2 | 140 | 143 | 0.01% | 0.002% |
| 54 | 9.866 | 1302 | 1306 | 1308 | rBV2 | 96 | 143 | 0.01% | 0.002% |
| 55 | 9.896 | 1308 | 1311 | 1313 | rVB3 | 91 | 119 | 0.01% | 0.001% |
| 56 | 9.939 | 1317 | 1318 | 1321 | rVB2 | 156 | 134 | 0.01% | 0.002% |
| 57 | 9.976 | 1321 | 1324 | 1326 | rBV3 | 154 | 193 | 0.02% | 0.002% |
| 58 | 10.037 | 1326 | 1334 | 1348 | rBV | 148037 | 265047 | 23.87% | 3.118% |
| 59 | 10.183 | 1356 | 1358 | 1359 | rBV2 | 214 | 180 | 0.02% | 0.002% |
| 60 | 10.225 | 1363 | 1365 | 1369 | rVV2 | 200 | 274 | 0.02% | 0.003% |
| 61 | 10.323 | 1373 | 1381 | 1388 | rVV | 553890 | 953890 | 85.90% | 11.222% |
| 62 | 10.390 | 1388 | 1392 | 1403 | rVB | 8232 | 14964 | 1.35% | 0.176% |
| 63 | 10.469 | 1403 | 1405 | 1408 | rVB2 | 174 | 137 | 0.01% | 0.002% |
| 64 | 10.500 | 1408 | 1410 | 1414 | rVB3 | 359 | 353 | 0.03% | 0.004% |
| 65 | 10.530 | 1414 | 1415 | 1416 | rBV | 147 | 102 | 0.01% | 0.001% |
| 66 | 10.579 | 1416 | 1423 | 1432 | rBV | 95136 | 162815 | 14.66% | 1.915% |
| 67 | 10.640 | 1432 | 1433 | 1435 | rBV | 314 | 173 | 0.02% | 0.002% |
| 68 | 10.664 | 1435 | 1437 | 1439 | rBV3 | 271 | 192 | 0.02% | 0.002% |
| 69 | 10.707 | 1439 | 1444 | 1449 | rVB | 3041 | 5495 | 0.49% | 0.065% |
| 70 | 10.780 | 1454 | 1456 | 1458 | rBV2 | 157 | 134 | 0.01% | 0.002% |
| 71 | 10.817 | 1460 | 1462 | 1463 | rBV2 | 219 | 148 | 0.01% | 0.002% |
| 72 | 10.927 | 1473 | 1480 | 1494 | rBV | 122503 | 208197 | 18.75% | 2.449% |
| 73 | 11.024 | 1494 | 1496 | 1498 | rVB3 | 345 | 281 | 0.03% | 0.003% |
| 74 | 11.164 | 1517 | 1519 | 1520 | rBV2 | 275 | 188 | 0.02% | 0.002% |
| 75 | 11.231 | 1524 | 1530 | 1533 | rBV3 | 754 | 1290 | 0.12% | 0.015% |
| 76 | 11.347 | 1543 | 1549 | 1552 | rBV5 | 1202 | 2187 | 0.20% | 0.026% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
Data File : VW020444.D
Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK472

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\SFAMWLM100821SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 11.555 | 1581 | 1583 | 1586 | rVB4 | 380 | 281 | 0.03% | 0.003% |
| 78 | 11.634 | 1588 | 1596 | 1605 | rVV | 517395 | 899837 | 81.03% | 10.586% |
| 79 | 11.841 | 1624 | 1630 | 1633 | rBV6 | 1137 | 2325 | 0.21% | 0.027% |
| 80 | 12.000 | 1654 | 1656 | 1659 | rVB4 | 457 | 445 | 0.04% | 0.005% |
| 81 | 12.036 | 1659 | 1662 | 1665 | rBV3 | 414 | 633 | 0.06% | 0.007% |
| 82 | 12.079 | 1668 | 1669 | 1672 | rBV3 | 255 | 197 | 0.02% | 0.002% |
| 83 | 12.121 | 1673 | 1676 | 1677 | rBV2 | 623 | 612 | 0.06% | 0.007% |
| 84 | 12.164 | 1680 | 1683 | 1685 | rBV3 | 779 | 1000 | 0.09% | 0.012% |
| 85 | 12.262 | 1692 | 1699 | 1700 | rBV7 | 2376 | 4879 | 0.44% | 0.057% |
| 86 | 12.591 | 1749 | 1753 | 1761 | rVB4 | 9567 | 19934 | 1.80% | 0.235% |
| 87 | 12.695 | 1763 | 1770 | 1776 | rBV | 183608 | 312026 | 28.10% | 3.671% |
| 88 | 13.134 | 1838 | 1842 | 1845 | rBV5 | 4526 | 7010 | 0.63% | 0.082% |
| 89 | 13.201 | 1849 | 1853 | 1854 | rBV2 | 5612 | 7918 | 0.71% | 0.093% |
| 90 | 13.554 | 1905 | 1911 | 1918 | rBV | 546902 | 900418 | 81.08% | 10.593% |
| 91 | 13.853 | 1953 | 1960 | 1967 | rBV | 480624 | 792667 | 71.38% | 9.325% |
| 92 | 14.066 | 1992 | 1995 | 1999 | rBV | 14528 | 20995 | 1.89% | 0.247% |
| 93 | 14.456 | 2056 | 2059 | 2062 | rVB | 9762 | 12576 | 1.13% | 0.148% |
| 94 | 14.493 | 2062 | 2065 | 2069 | rBV5 | 6725 | 8768 | 0.79% | 0.103% |
| 95 | 14.694 | 2094 | 2098 | 2100 | rBV3 | 4509 | 8052 | 0.73% | 0.095% |
| 96 | 14.798 | 2110 | 2115 | 2119 | rBV3 | 11053 | 26103 | 2.35% | 0.307% |
| 97 | 15.322 | 2196 | 2201 | 2206 | rBV2 | 15547 | 28384 | 2.56% | 0.334% |
| 98 | 16.279 | 2354 | 2358 | 2363 | rBV4 | 9447 | 17977 | 1.62% | 0.211% |
| 99 | 16.438 | 2379 | 2384 | 2396 | rVB | 37071 | 90389 | 8.14% | 1.063% |
| 100 | 16.639 | 2412 | 2417 | 2429 | rVB2 | 27665 | 73036 | 6.58% | 0.859% |

Sum of corrected areas: 8500086

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
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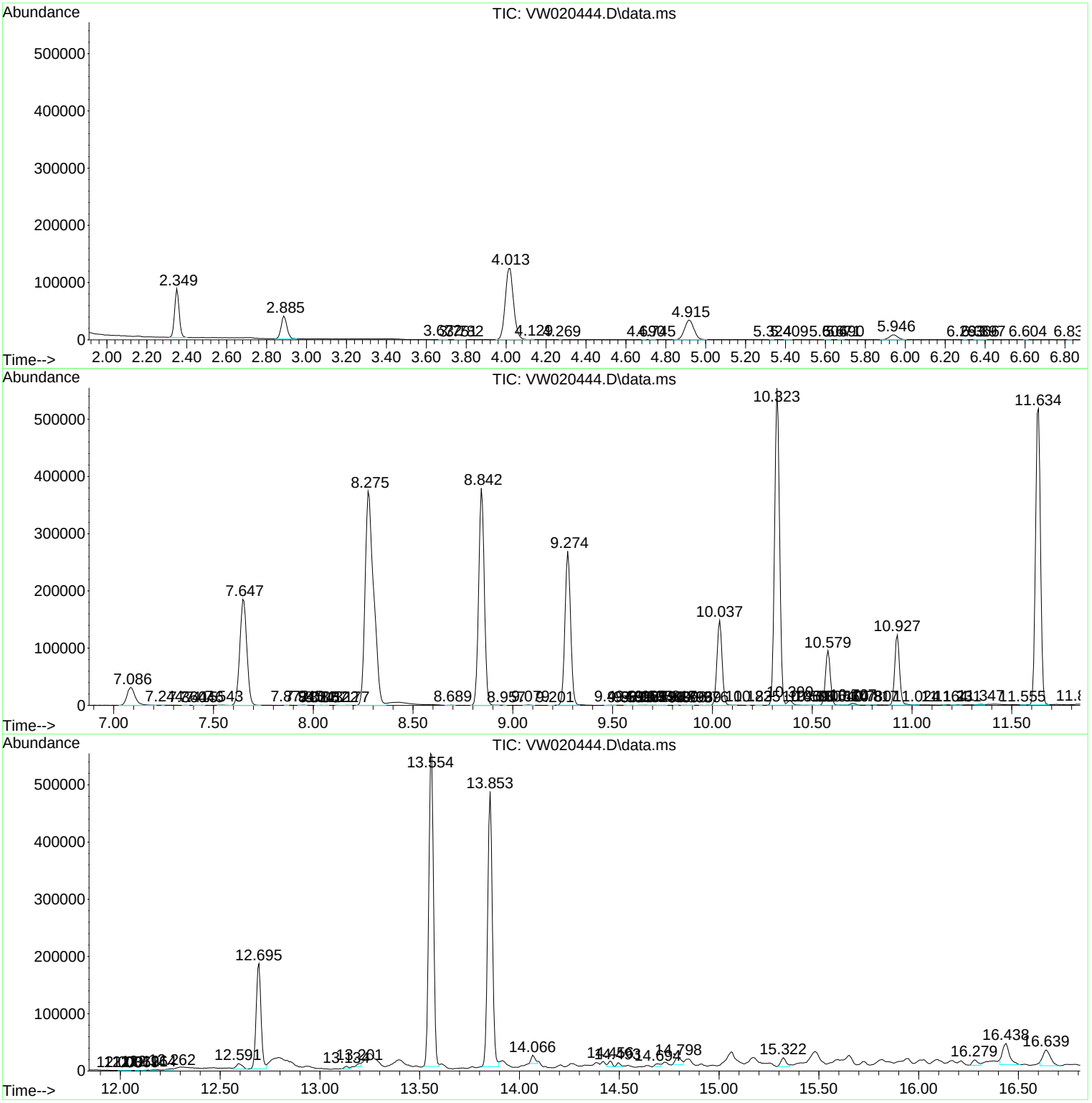
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VIBLK472

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
Data File : VW020444.D
Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VIBLK472

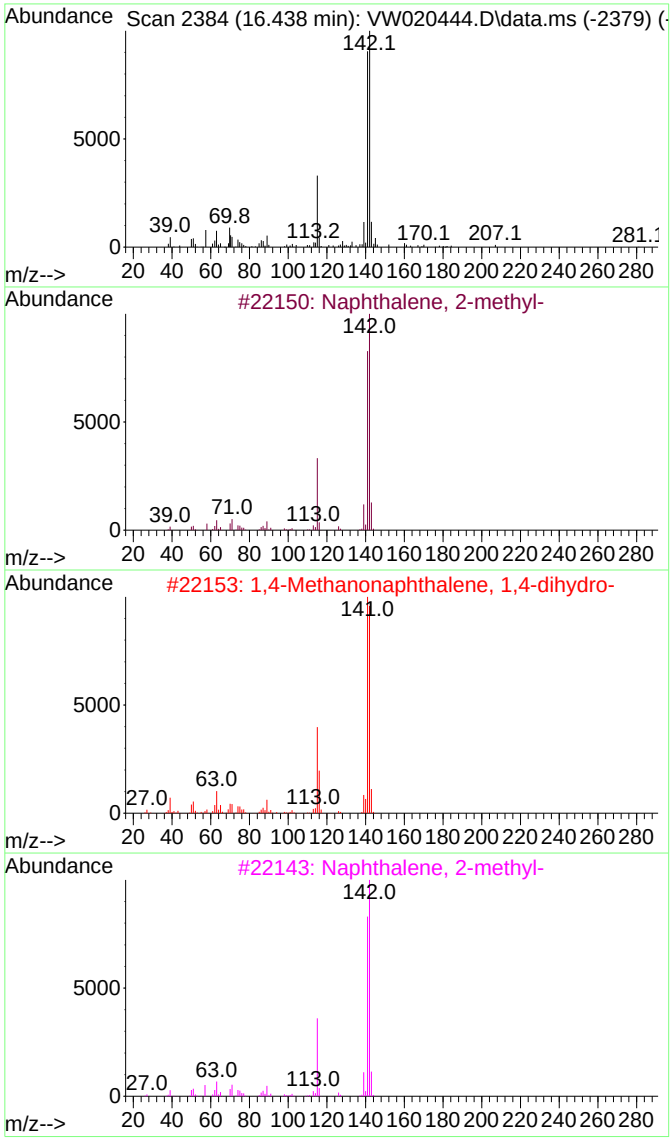
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0

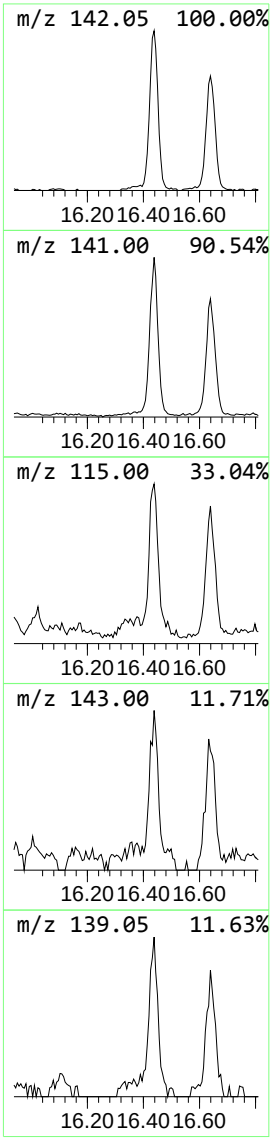
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.438 | 2.51 ug/L | 90389 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 2 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |



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Data File : VW020444.D
Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VIBLK472

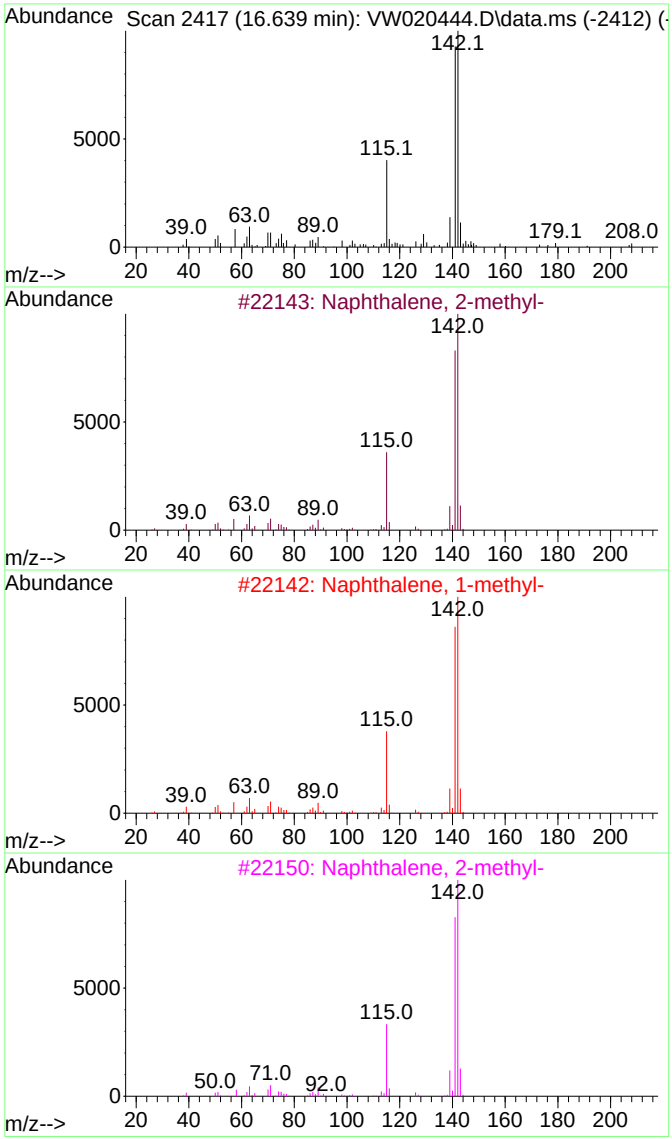
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0

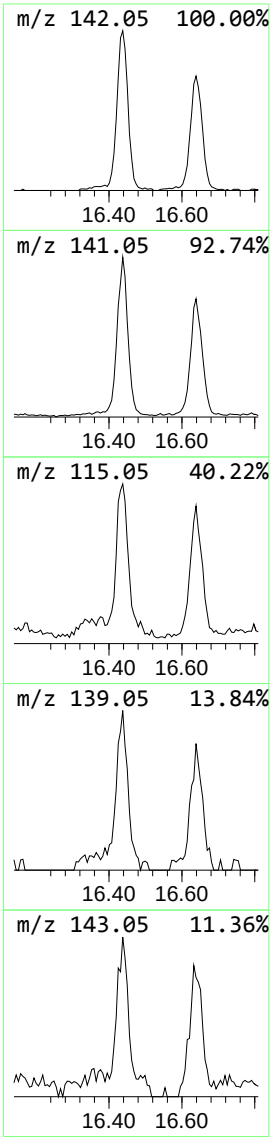
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.639 | 2.03 ug/L | 73036 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
Data File : VW020444.D
Acq On : 11 Oct 2021 15:52
Operator : SY/VA
Sample : VIBLK472
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VIBLK472

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Naphthalene, 2-... | 16.438 | 2.5 | ug/L | 90389 | 3 | 13.560 | 900418 | 25.0 |
| Naphthalene, 1-... | 16.639 | 2.0 | ug/L | 73036 | 3 | 13.560 | 900418 | 25.0 |