LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000603.D
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\METHODS\82Y103019S.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.127 | 223 | 228 | 237 | rVB3 | 9112 | 20922 | 1.63% | 0.260% |
| 2 | 4.725 | 480 | 490 | 504 | rBV3 | 34374 | 100467 | 7.84% | 1.248% |
| 3 | 5.755 | 647 | 659 | 674 | rBV4 | 30425 | 98277 | 7.67% | 1.220% |
| 4 | 7.730 | 973 | 983 | 989 | rBV2 | 157071 | 379378 | 29.59% | 4.711% |
| 5 | 7.803 | 989 | 995 | 1007 | rVB2 | 301231 | 672108 | 52.43% | 8.347% |
| 6 | 8.157 | 1041 | 1053 | 1065 | rBV | 174304 | 384739 | 30.01% | 4.778% |
| 7 | 8.699 | 1134 | 1142 | 1152 | rBV | 487438 | 945527 | 73.76% | 11.742% |
| 8 | 10.181 | 1378 | 1385 | 1393 | rBV | 741897 | 1281982 | 100.00% | 15.920% |
| 9 | 11.492 | 1592 | 1600 | 1609 | rVB | 707479 | 1130680 | 88.20% | 14.041% |
| 10 | 12.479 | 1750 | 1762 | 1778 | rBV | 547864 | 916741 | 71.51% | 11.385% |
| 11 | 13.321 | 1895 | 1900 | 1901 | rBV4 | 12541 | 16447 | 1.28% | 0.204% |
| 12 | 13.424 | 1911 | 1917 | 1925 | rVB | 692575 | 1060557 | 82.73% | 13.171% |
| 13 | 13.875 | 1985 | 1991 | 1995 | rBV3 | 12420 | 21955 | 1.71% | 0.273% |
| 14 | 14.314 | 2058 | 2063 | 2071 | rBV5 | 11292 | 22927 | 1.79% | 0.285% |
| 15 | 14.674 | 2115 | 2122 | 2131 | rBV4 | 19247 | 58333 | 4.55% | 0.724% |
| 16 | 14.869 | 2146 | 2154 | 2159 | rBV8 | 9812 | 27666 | 2.16% | 0.344% |
| 17 | 15.095 | 2186 | 2191 | 2203 | rVB5 | 36198 | 109412 | 8.53% | 1.359% |
| 18 | 15.235 | 2203 | 2214 | 2229 | rBV3 | 52199 | 165957 | 12.95% | 2.061% |
| 19 | 15.540 | 2253 | 2264 | 2277 | rBV6 | 33426 | 128501 | 10.02% | 1.596% |
| 20 | 15.729 | 2283 | 2295 | 2303 | rBV6 | 37848 | 124596 | 9.72% | 1.547% |
| 21 | 15.808 | 2303 | 2308 | 2317 | rVB6 | 10039 | 25605 | 2.00% | 0.318% |
| 22 | 16.040 | 2337 | 2346 | 2359 | rVB5 | 25871 | 112372 | 8.77% | 1.396% |
| 23 | 16.479 | 2414 | 2418 | 2423 | rVB7 | 10658 | 22554 | 1.76% | 0.280% |
| 24 | 16.570 | 2423 | 2433 | 2436 | rBV3 | 23215 | 61692 | 4.81% | 0.766% |
| 25 | 16.936 | 2482 | 2493 | 2501 | rBV8 | 38741 | 163043 | 12.72% | 2.025% |

Sum of corrected areas: 8052438

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
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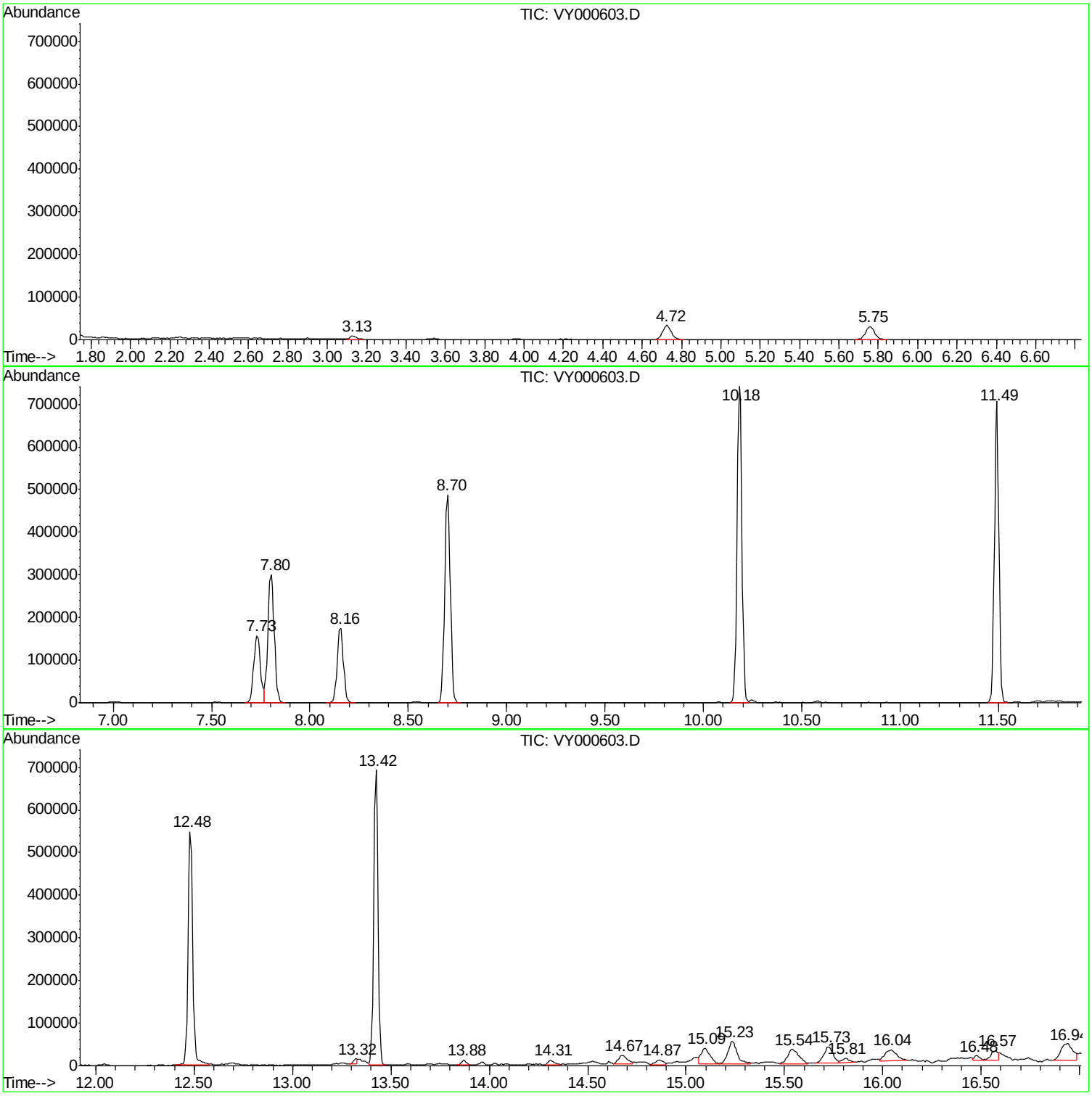
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
5-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000603.D
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

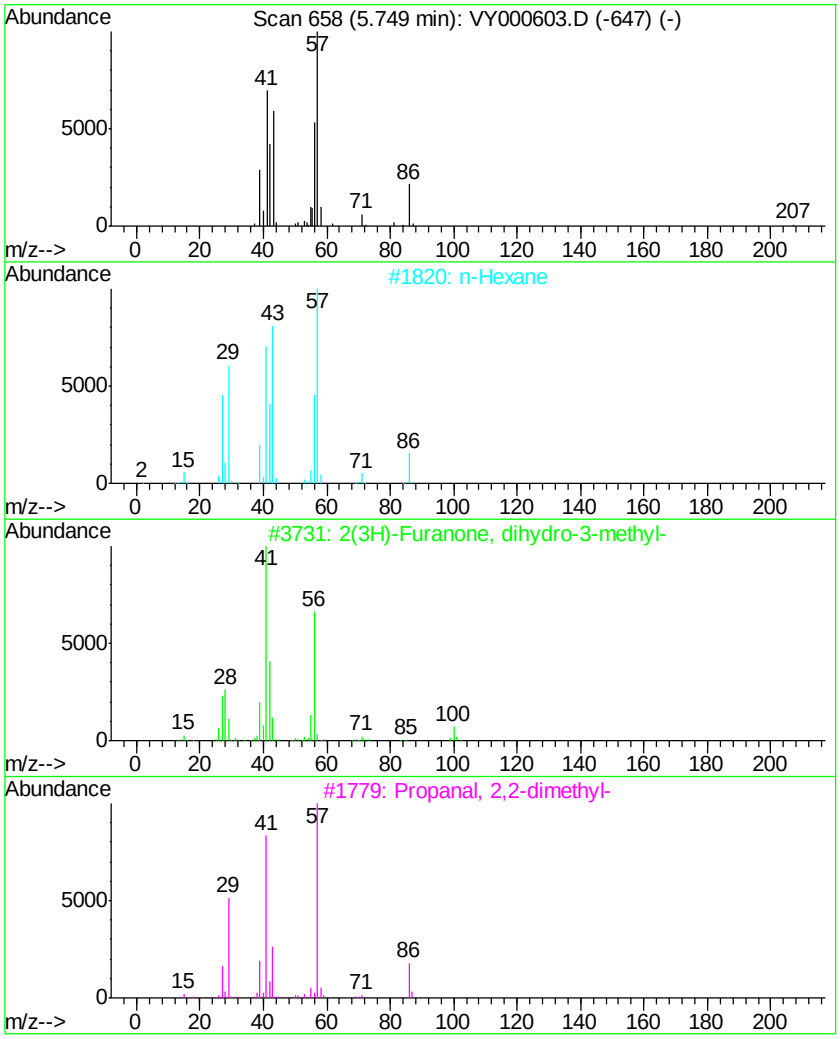
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

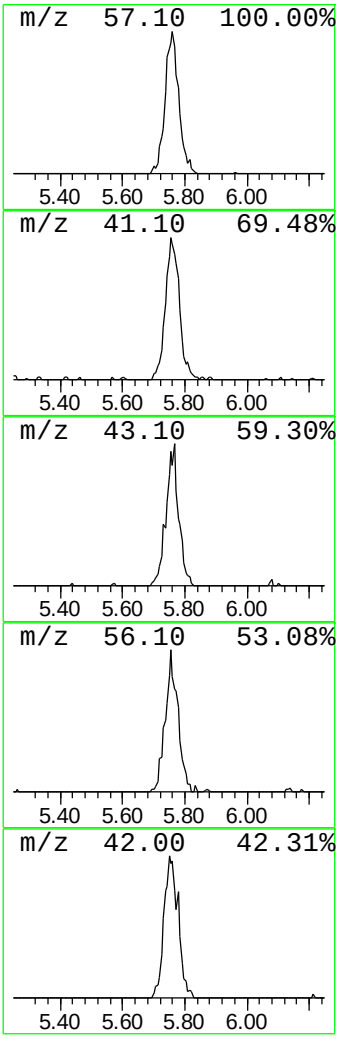
**********

Peak Number 1 n-Hexane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.75 | 7.31 ug/l | 98277 | Pentafluorobenzene | 7.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 86 |
| 2 | 2(3H)-Furanone, dihydro-3-methyl- | 100 | C5H8O2 | 001679-47-6 | 53 |
| 3 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 43 |
| 4 | 1-Pentene, 4-methyl- | 84 | C6H12 | 000691-37-2 | 42 |
| 5 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 40 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000603.D
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

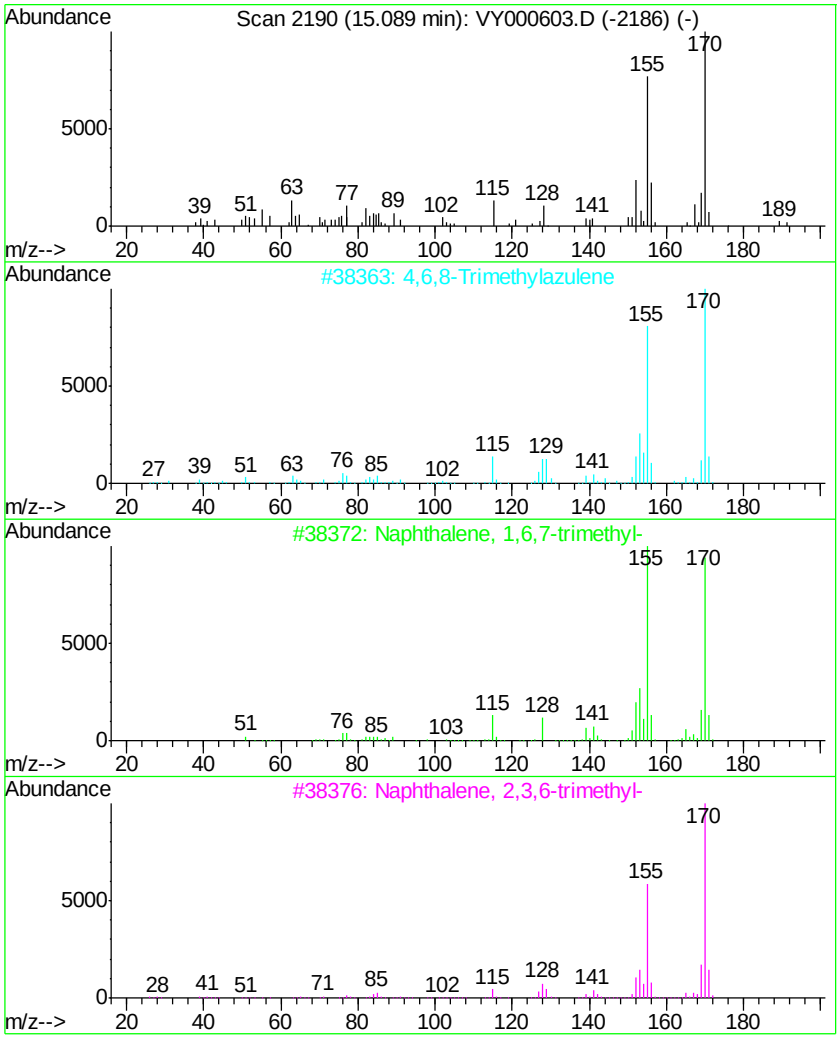
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

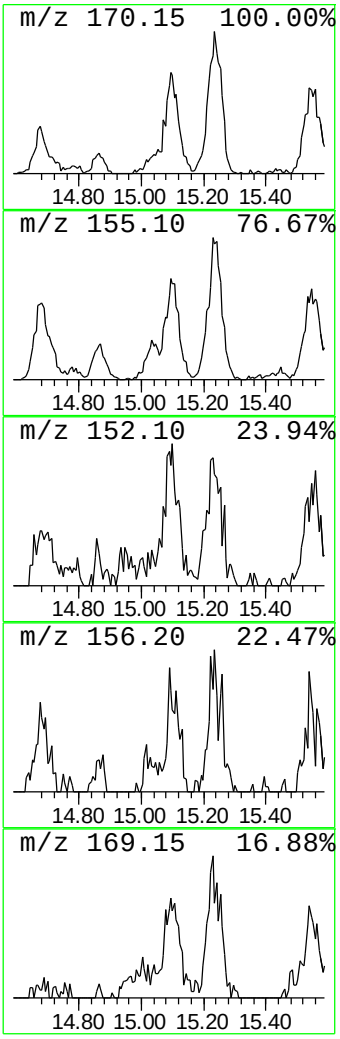
**********

Peak Number 2 4,6,8-Trimethylazulene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.09 | 5.16 ug/l | 109412 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 95 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 95 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 93 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000603.D
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

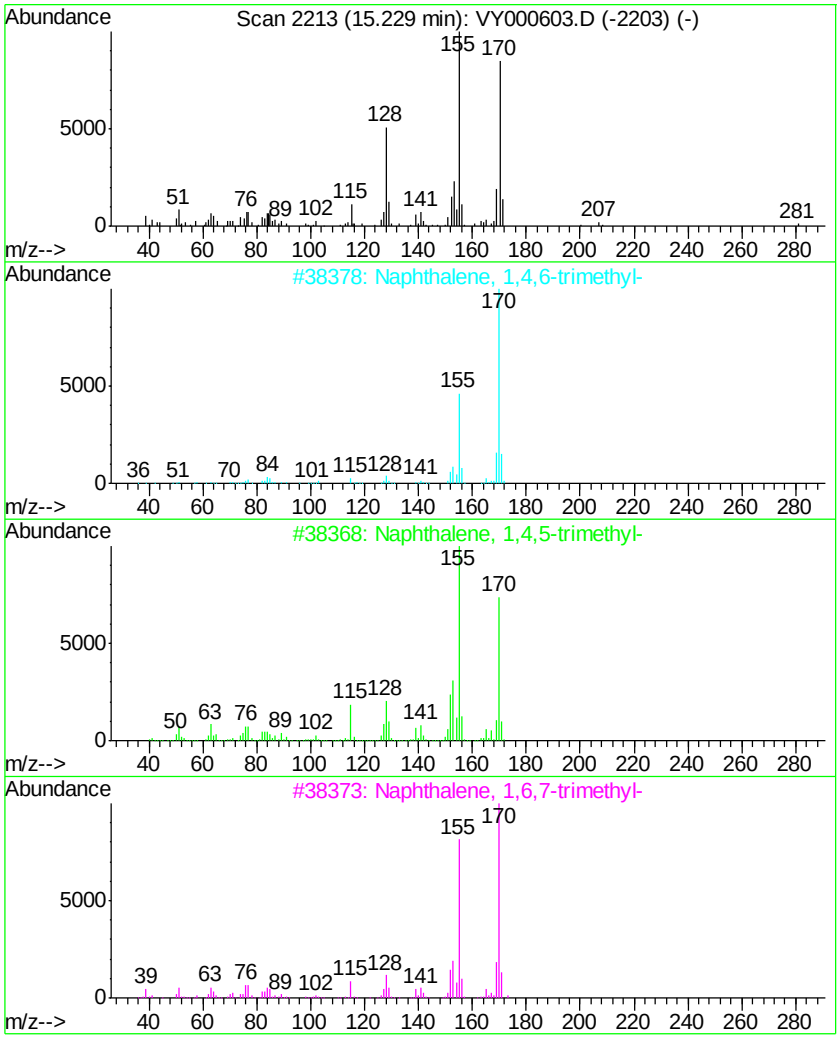
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

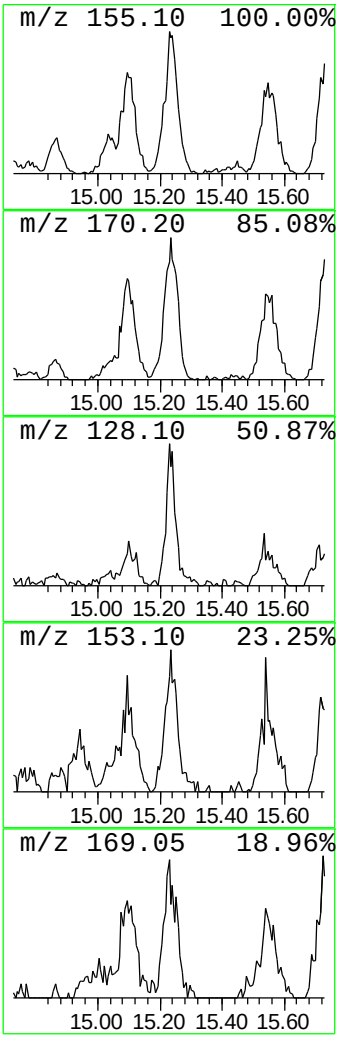
**********

Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.23 | 7.82 ug/l | 165957 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |
| 2 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 90 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 89 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 76 |
| 5 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 72 |



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Data File : VY000603.D
Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

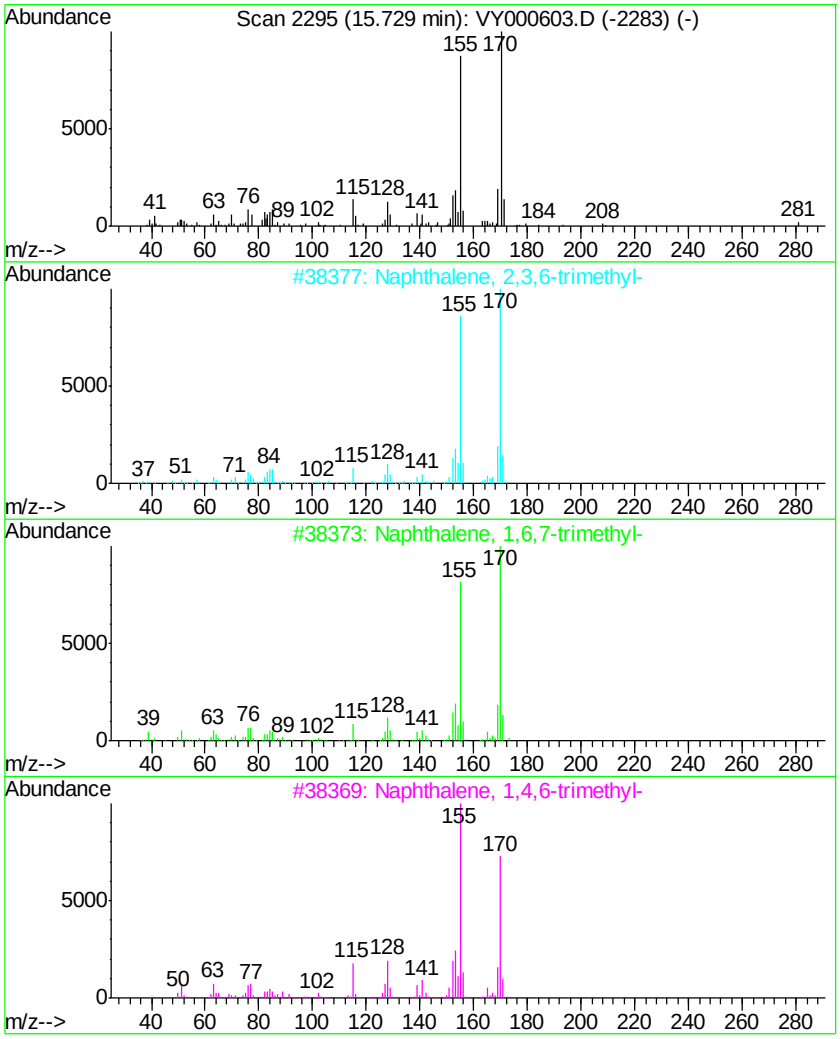
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

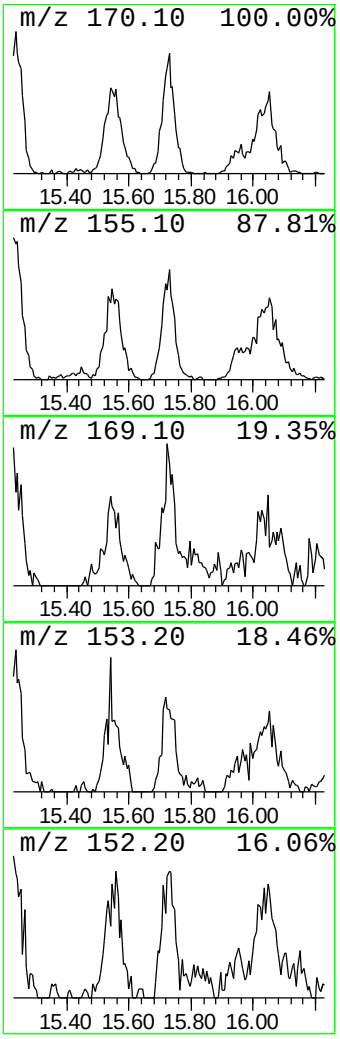
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.73 | 5.87 ug/l | 124596 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 95 |
| 4 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 80 |
| 5 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 80 |



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Acq On : 08 Nov 2019 00:37
Operator : SY/MD
Sample : K5722-07
Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** 5-C

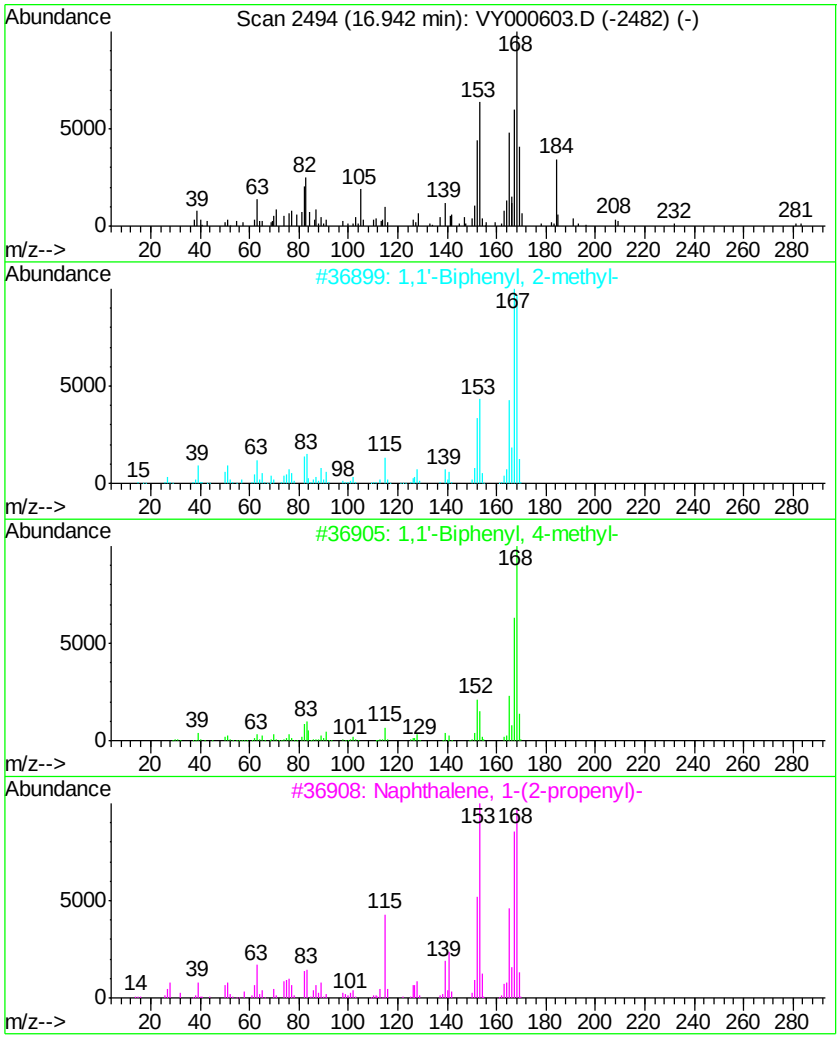
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

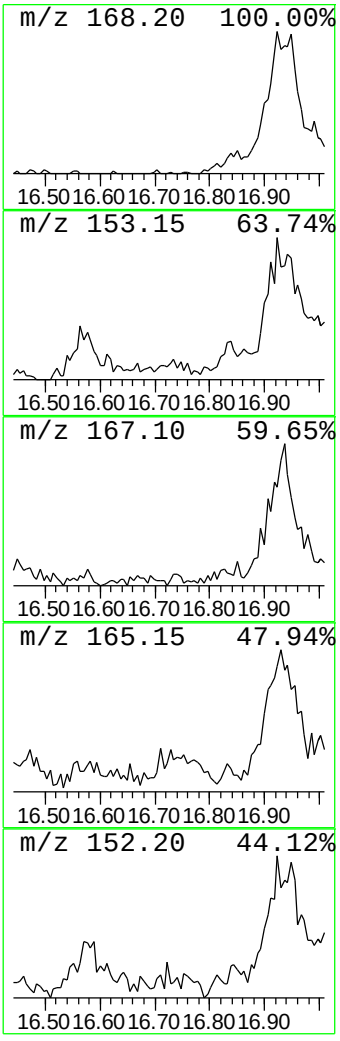
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1,1'-Biphenyl, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.94 | 7.69 ug/l | 163043 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 83 |
| 2 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 70 |
| 3 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 53 |
| 4 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 49 |
| 5 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000603.D
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Misc : 7.36G/5ML/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| n-Hexane | 5.75 | 7.3 | ug/l | 98277 | 1 | 7.80 | 672108 | 50.0 |
| 4,6,8-Trimethylaz... | 15.09 | 5.2 | ug/l | 109412 | 4 | 13.42 | 1060560 | 50.0 |
| Naphthalene, 1,4,... | 15.23 | 7.8 | ug/l | 165957 | 4 | 13.42 | 1060560 | 50.0 |
| Naphthalene, 2,3,... | 15.73 | 5.9 | ug/l | 124596 | 4 | 13.42 | 1060560 | 50.0 |
| 1,1'-Biphenyl, 2-... | 16.94 | 7.7 | ug/l | 163043 | 4 | 13.42 | 1060560 | 50.0 |