LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR021220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.591 | 2553 | 2566 | 2585 | rBV | 2028729 | 3227405 | 1.52% | 0.627% |
| 2 | 9.713 | 2585 | 2604 | 2640 | rVB | 5616972 | 9150751 | 4.32% | 1.777% |
| 3 | 10.124 | 2717 | 2732 | 2761 | rVB4 | 2350791 | 4317975 | 2.04% | 0.839% |
| 4 | 10.771 | 2925 | 2933 | 2948 | rVB | 2243790 | 3772386 | 1.78% | 0.733% |
| 5 | 11.018 | 2994 | 3010 | 3027 | rBV | 5234227 | 11291753 | 5.33% | 2.193% |
| 6 | 11.108 | 3027 | 3038 | 3050 | rVV | 5352527 | 8056019 | 3.80% | 1.564% |
| 7 | 11.488 | 3133 | 3156 | 3167 | rBV | 14435237 | 22433786 | 10.59% | 4.357% |
| 8 | 11.555 | 3167 | 3177 | 3186 | rVV | 3534694 | 5319522 | 2.51% | 1.033% |
| 9 | 11.764 | 3222 | 3242 | 3248 | rBV2 | 1523630 | 2716989 | 1.28% | 0.528% |
| 10 | 11.812 | 3248 | 3257 | 3276 | rVB | 6906122 | 10821492 | 5.11% | 2.101% |
| 11 | 11.915 | 3276 | 3289 | 3300 | rBV | 4242731 | 6466893 | 3.05% | 1.256% |
| 12 | 12.124 | 3334 | 3354 | 3369 | rBV2 | 45488960 | 76902312 | 36.29% | 14.934% |
| 13 | 12.333 | 3405 | 3419 | 3432 | rBV | 10721124 | 16269176 | 7.68% | 3.159% |
| 14 | 12.703 | 3524 | 3534 | 3547 | rVB | 2183313 | 3434845 | 1.62% | 0.667% |
| 15 | 12.951 | 3601 | 3611 | 3618 | rBV | 1697284 | 2735693 | 1.29% | 0.531% |
| 16 | 13.057 | 3634 | 3644 | 3664 | rVB2 | 5184435 | 8809931 | 4.16% | 1.711% |
| 17 | 13.323 | 3709 | 3727 | 3744 | rBV | 3075677 | 4751019 | 2.24% | 0.923% |
| 18 | 13.487 | 3766 | 3778 | 3789 | rVB2 | 4729198 | 7799949 | 3.68% | 1.515% |
| 19 | 13.555 | 3789 | 3799 | 3820 | rVB | 2972600 | 5180702 | 2.44% | 1.006% |
| 20 | 14.153 | 3957 | 3985 | 3994 | rBV7 | 61487378 | 211914051 | 100.00% | 41.152% |
| 21 | 14.269 | 4007 | 4021 | 4032 | rBV | 10519836 | 16006005 | 7.55% | 3.108% |
| 22 | 15.278 | 4321 | 4335 | 4357 | rVV | 31968753 | 53720075 | 25.35% | 10.432% |
| 23 | 15.462 | 4379 | 4392 | 4420 | rVB | 12443695 | 19849685 | 9.37% | 3.855% |

Sum of corrected areas: 514948414

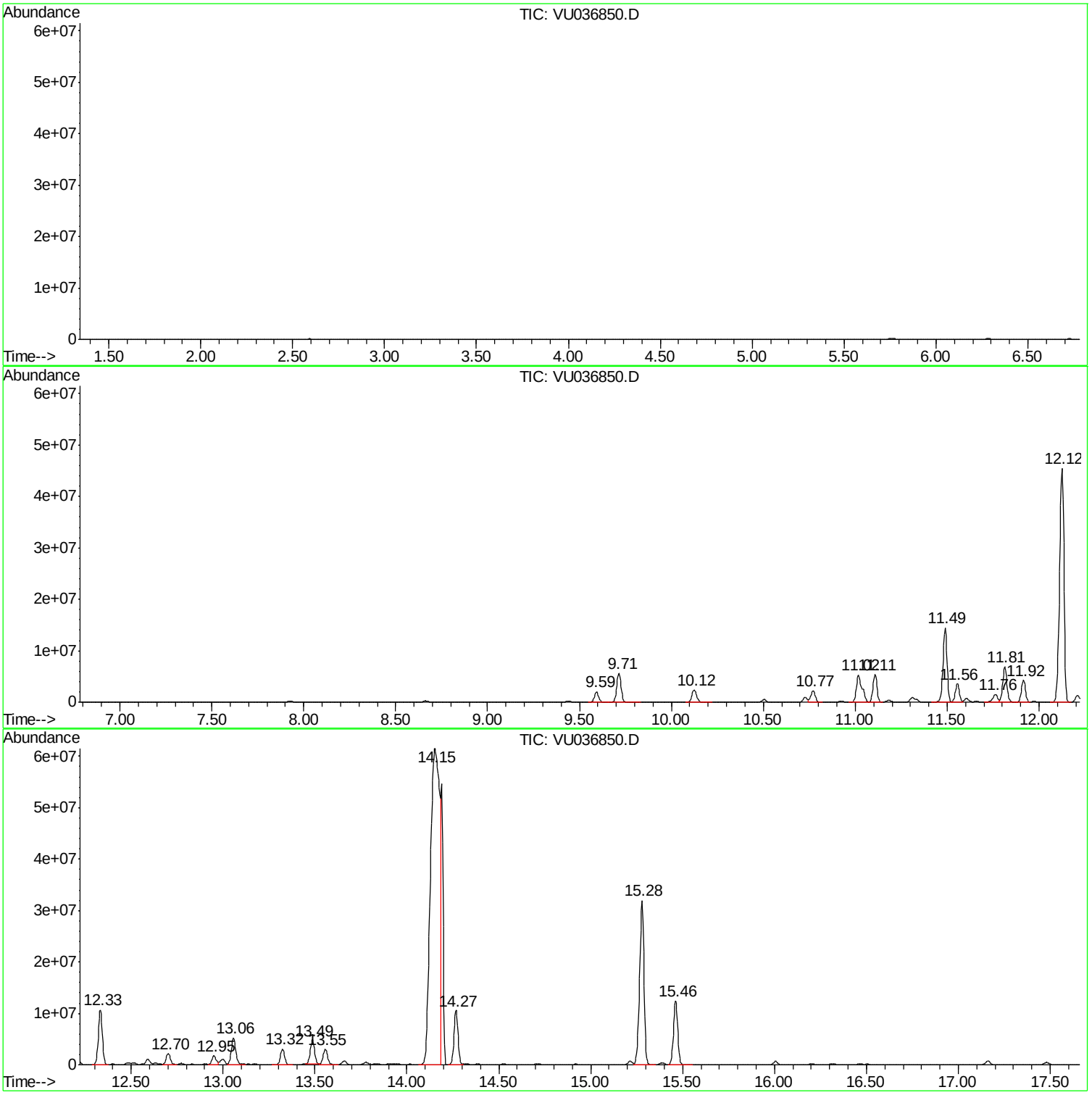
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

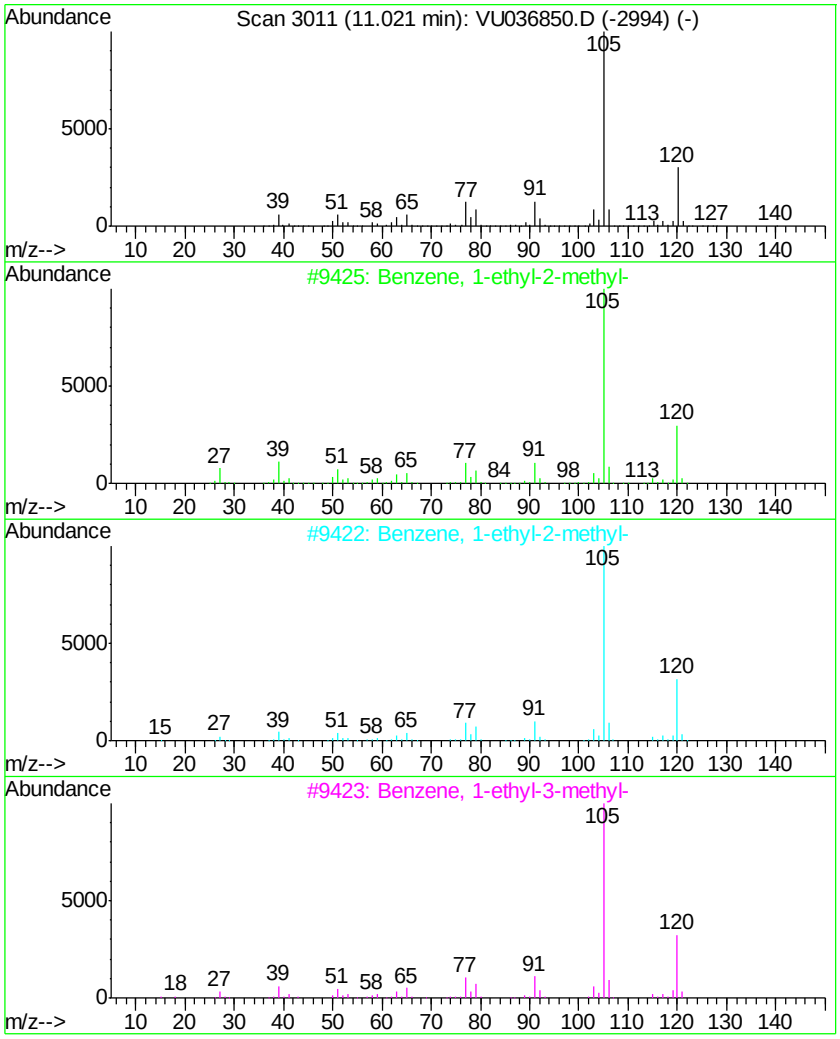
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

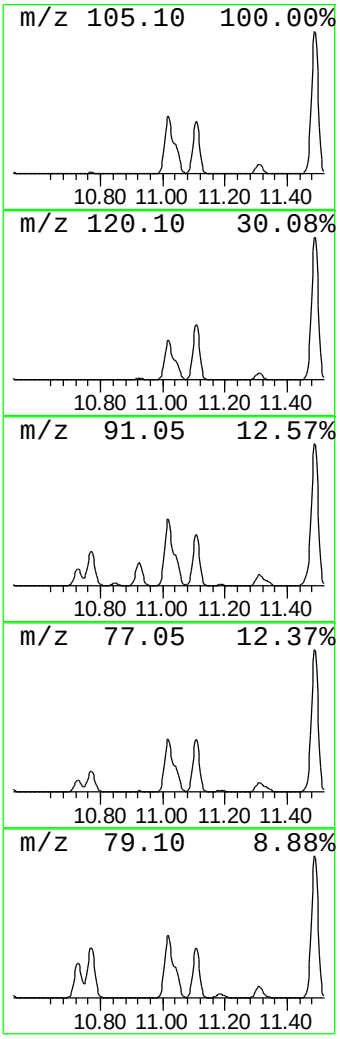
**********

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.02 | 5.22 ug/L | 11291800 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

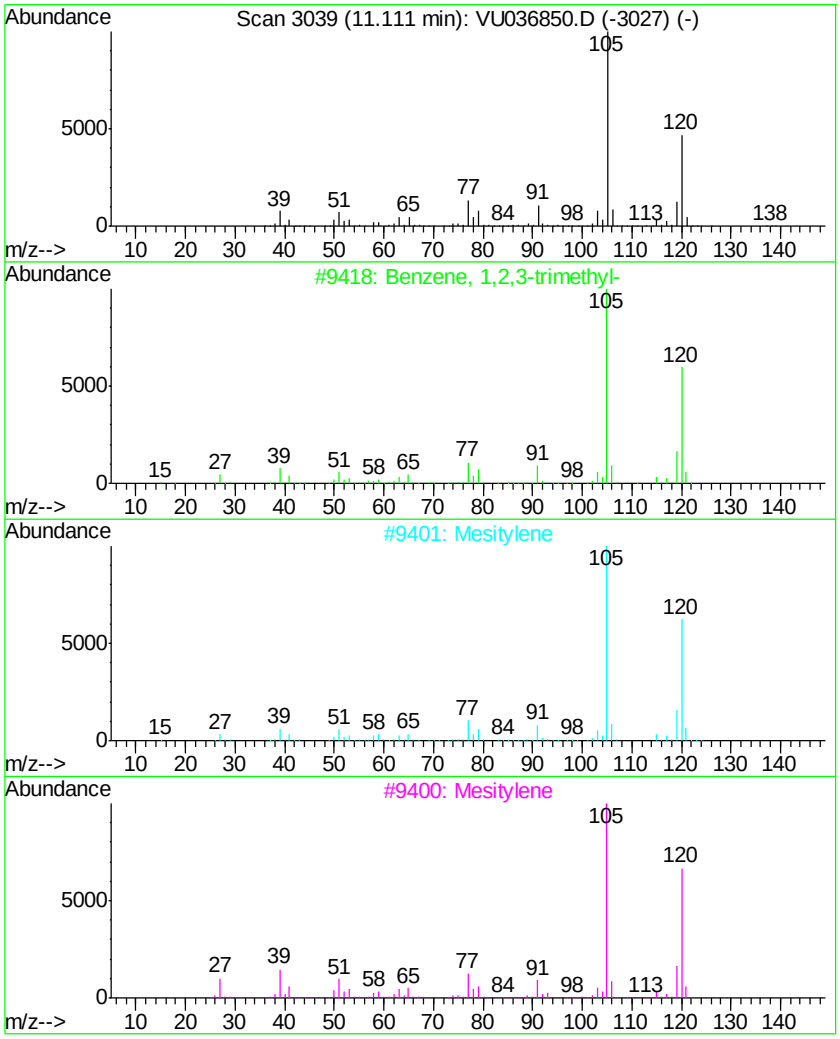
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

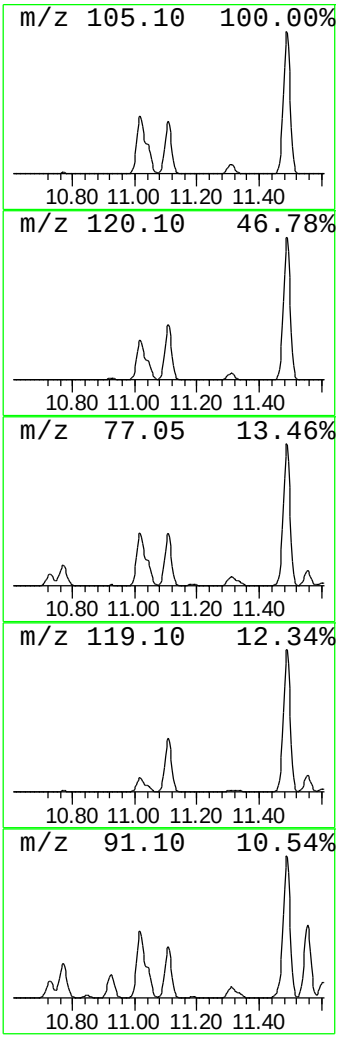
**********

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.11 | 3.72 ug/L | 8056020 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

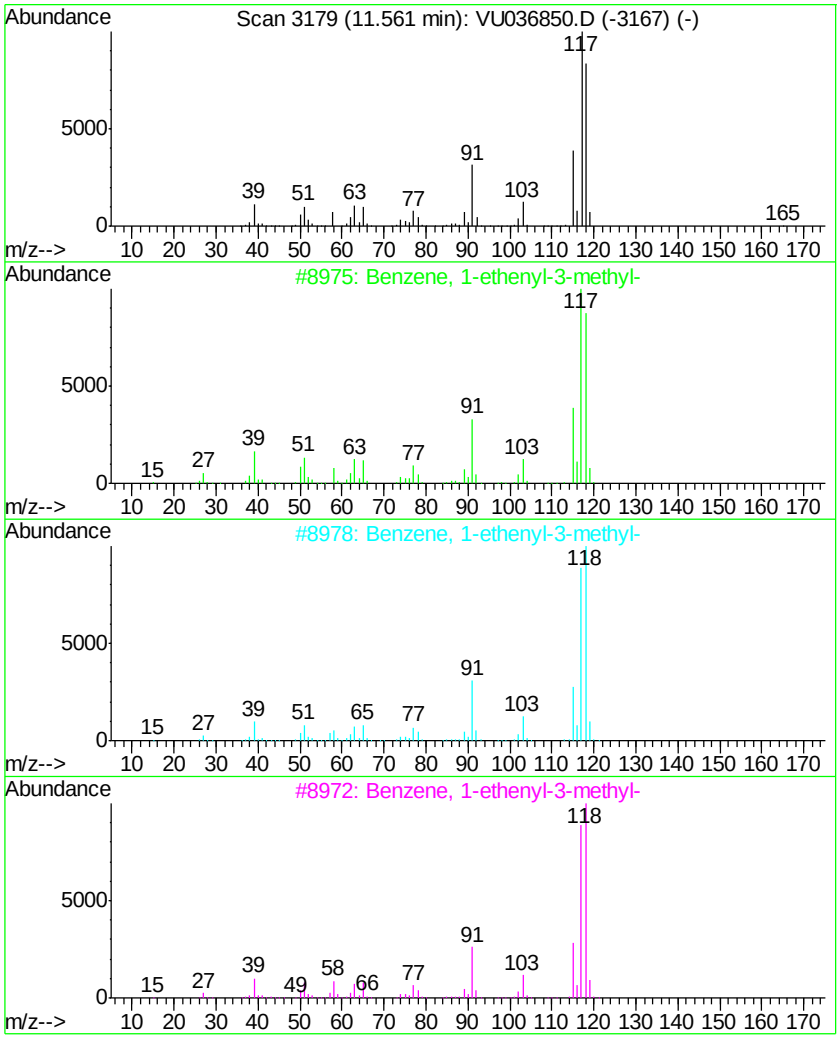
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

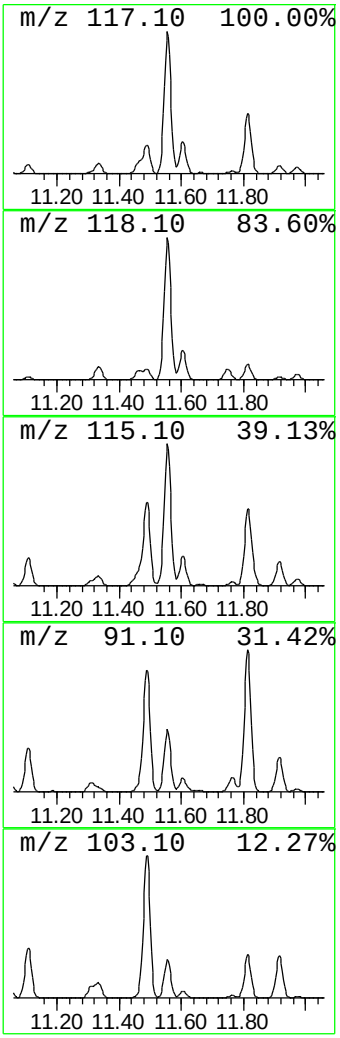
**********

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.56 | 2.46 ug/L | 5319520 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 96 |
| 2 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 96 |
| 3 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 96 |
| 4 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 95 |
| 5 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

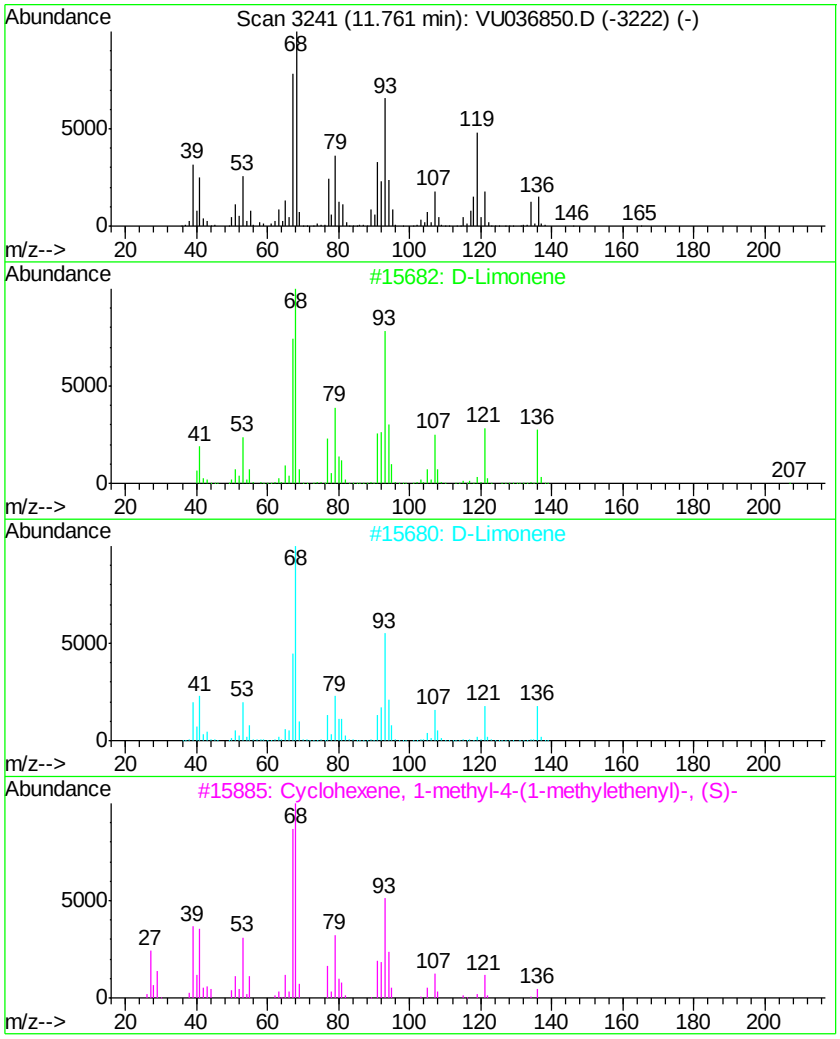
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

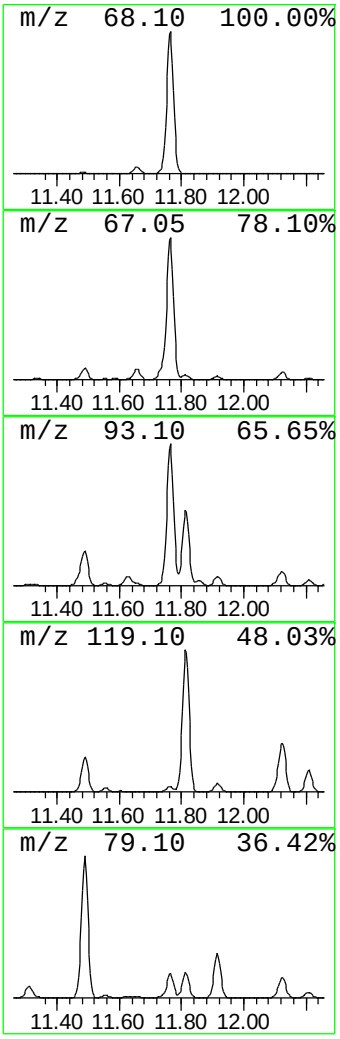
**********

Peak Number 5 D-Limonene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 1.26 ug/L | 2716990 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | D-Limonene | 136 | C10H16 | 005989-27-5 | 98 |
| 2 | D-Limonene | 136 | C10H16 | 005989-27-5 | 92 |
| 3 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 005989-54-8 | 89 |
| 4 | D-Limonene | 136 | C10H16 | 005989-27-5 | 64 |
| 5 | Limonene | 136 | C10H16 | 000138-86-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

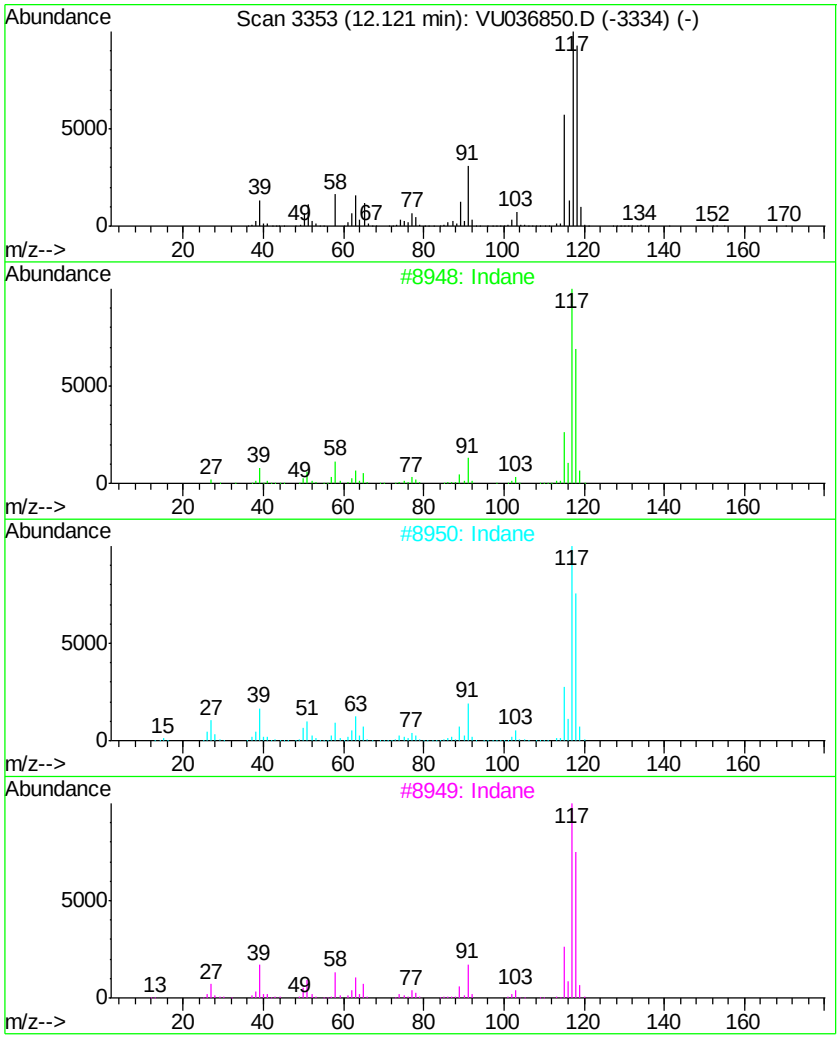
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

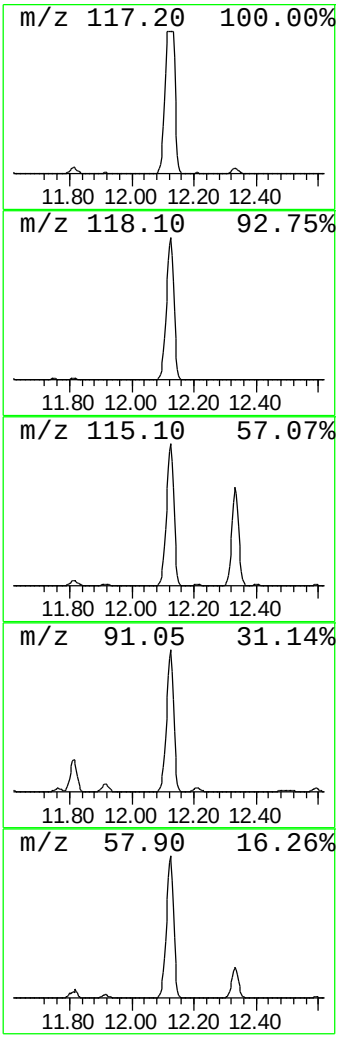
**********

Peak Number 7 Indane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.12 | 35.53 ug/L | 76902300 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 90 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 81 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

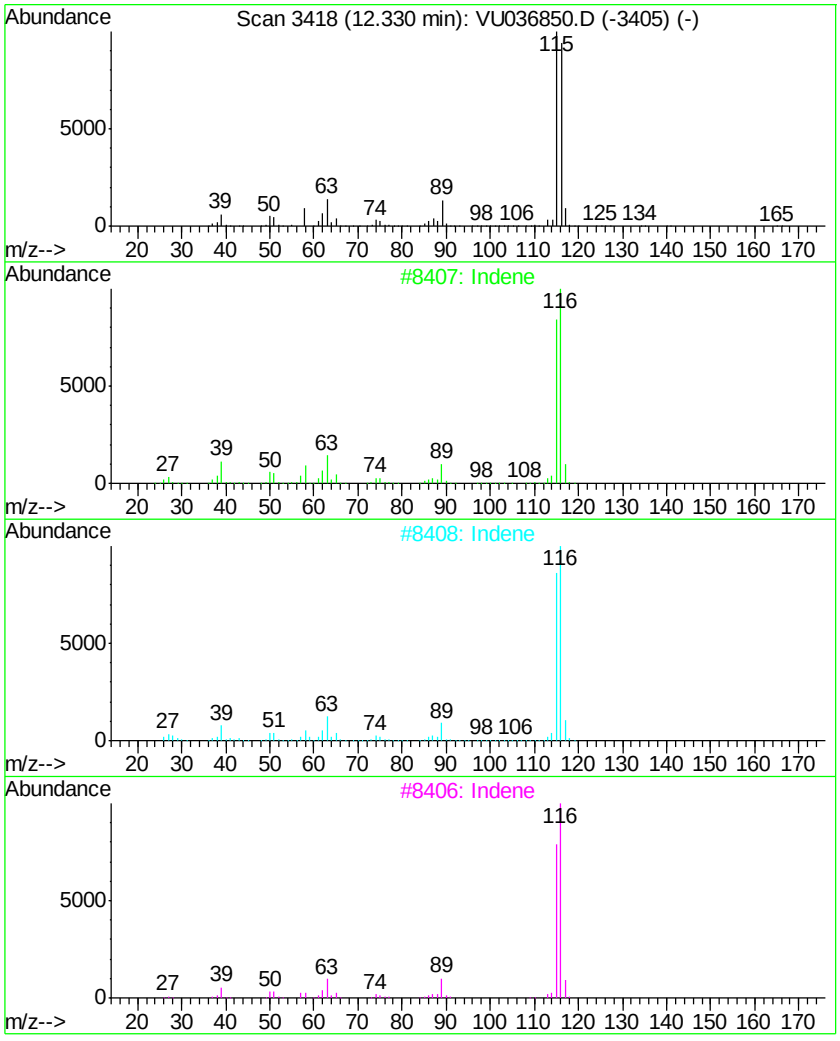
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

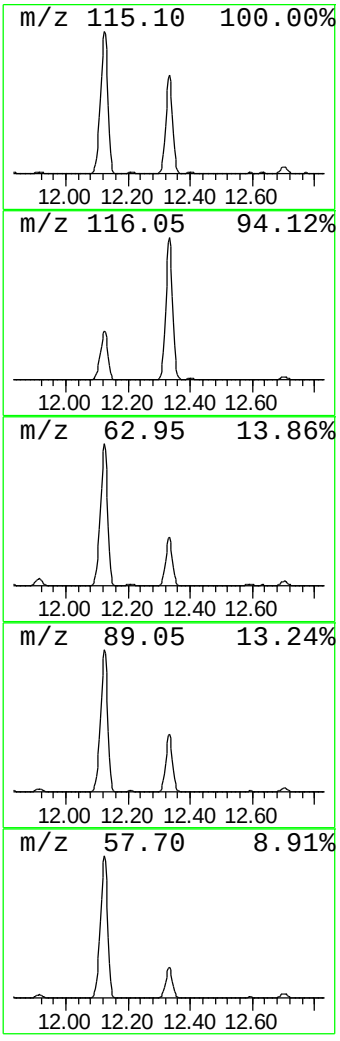
**********

Peak Number 8 Indene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.33 | 7.52 ug/L | 16269200 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 96 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 94 |
| 5 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

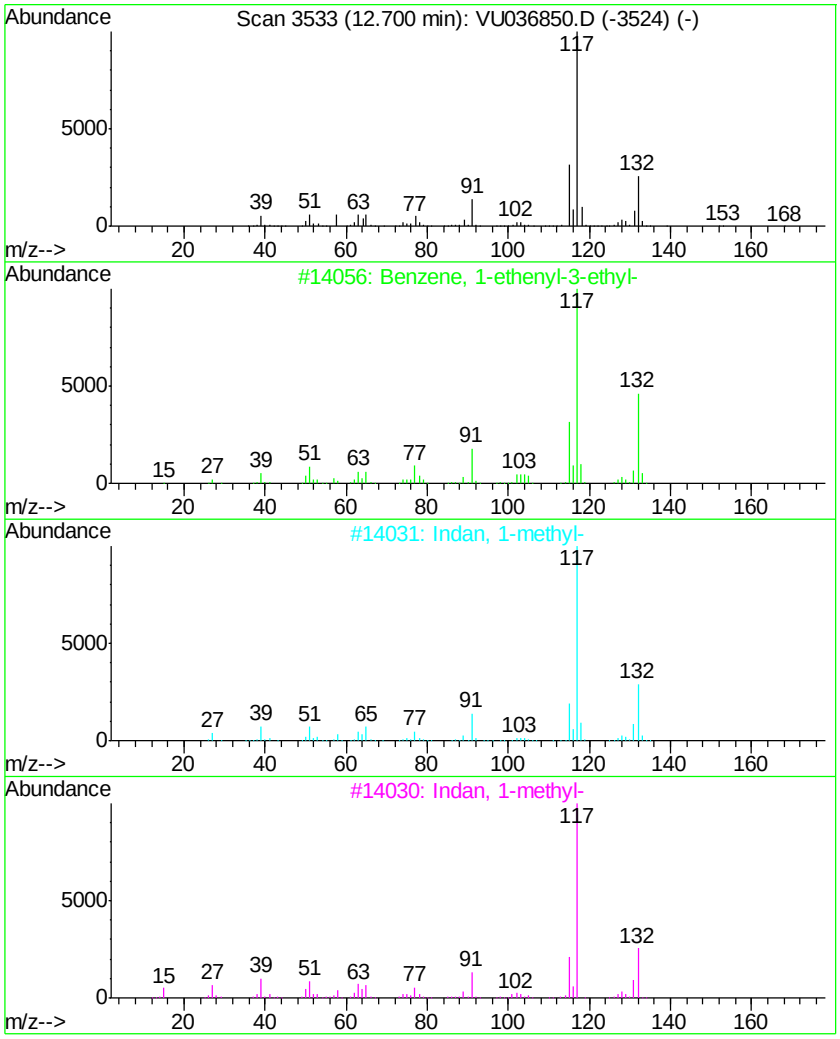
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

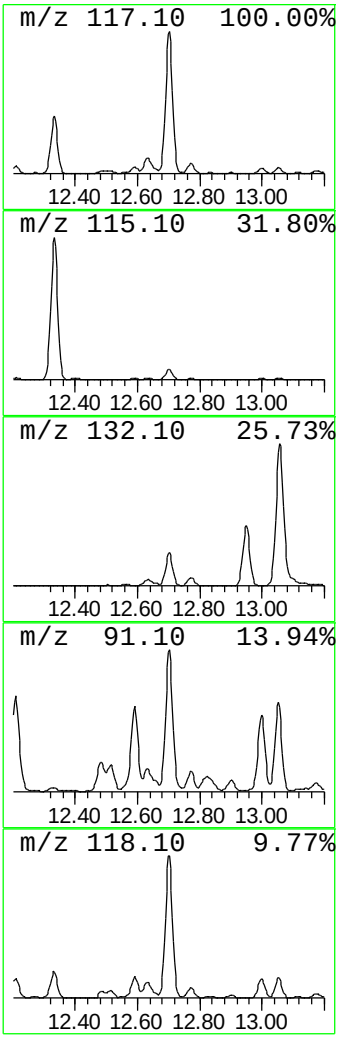
**********

Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 1.59 ug/L | 3434850 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 4 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 87 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 83 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

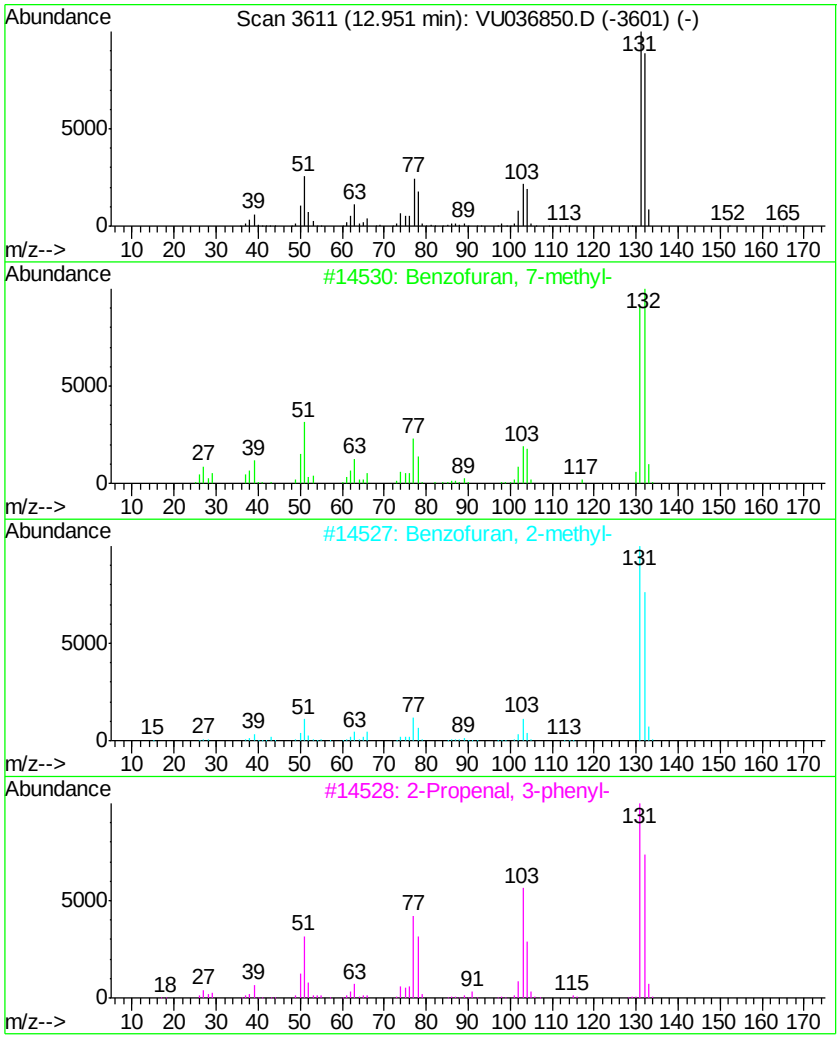
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

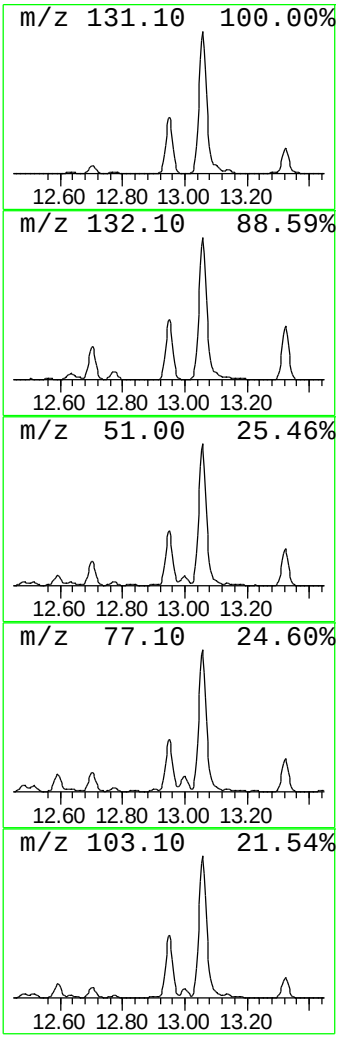
**********

Peak Number 10 Benzofuran, 7-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.95 | 1.26 ug/L | 2735690 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 95 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 95 |
| 3 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 93 |
| 4 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |
| 5 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

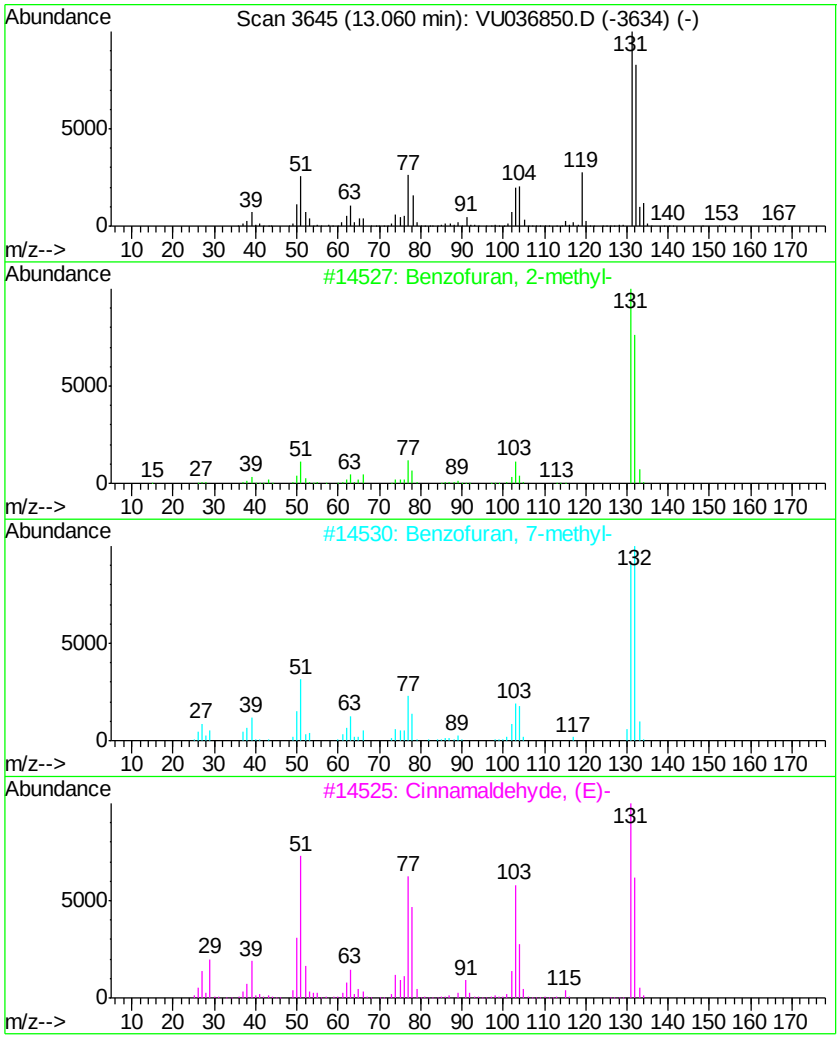
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

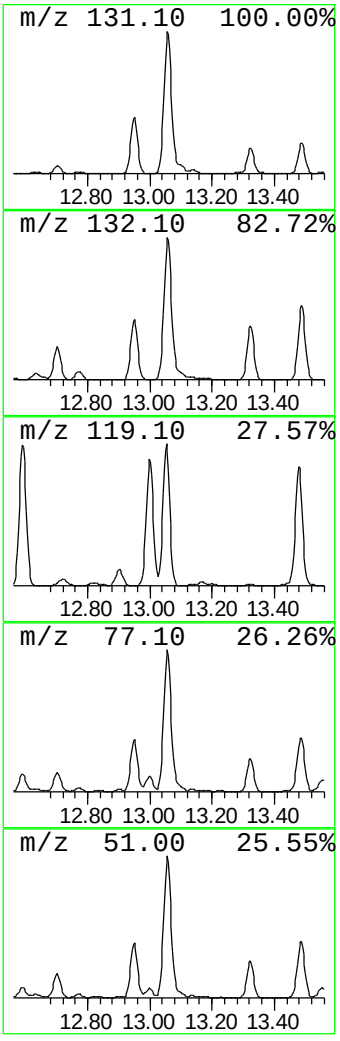
**********

Peak Number 11 Benzofuran, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.06 | 4.07 ug/L | 8809930 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 94 |
| 2 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 93 |
| 3 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 90 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

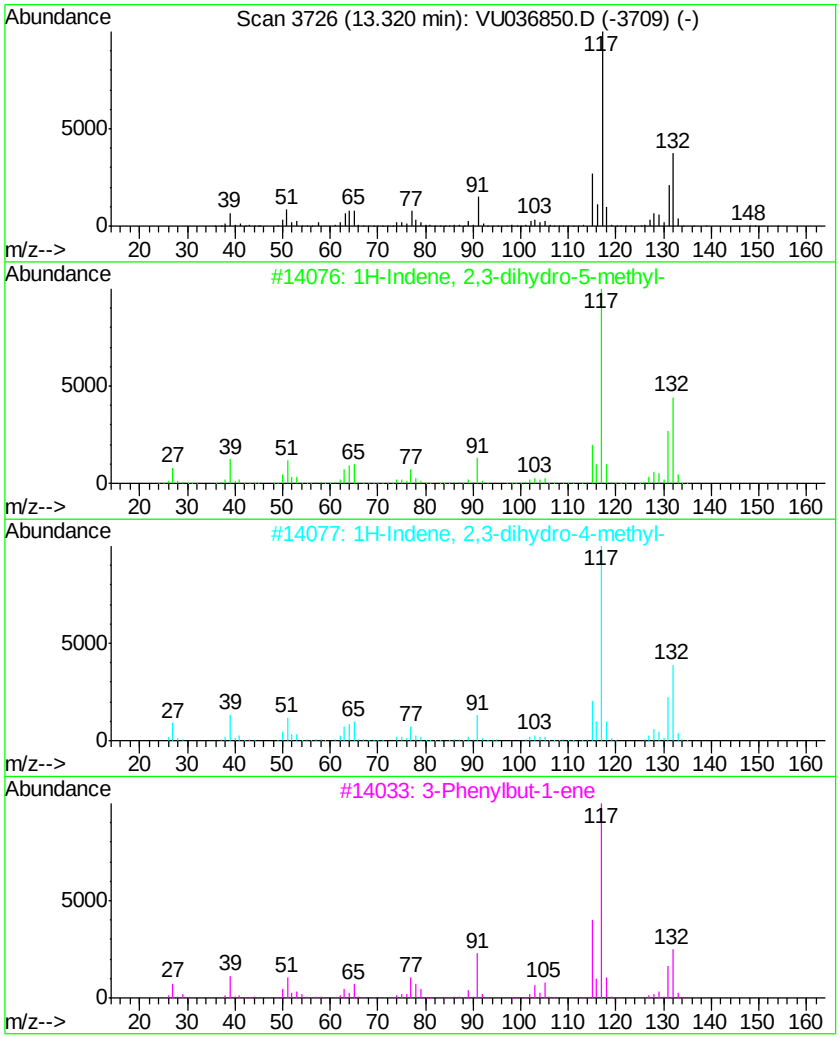
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

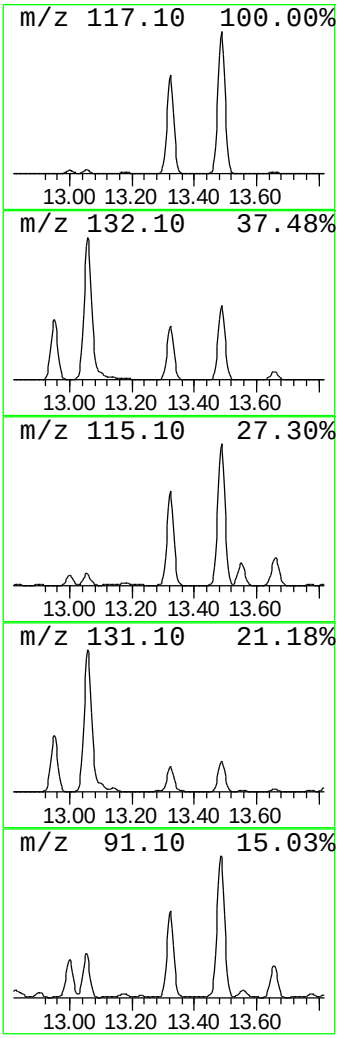
**********

Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.32 | 2.20 ug/L | 4751020 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

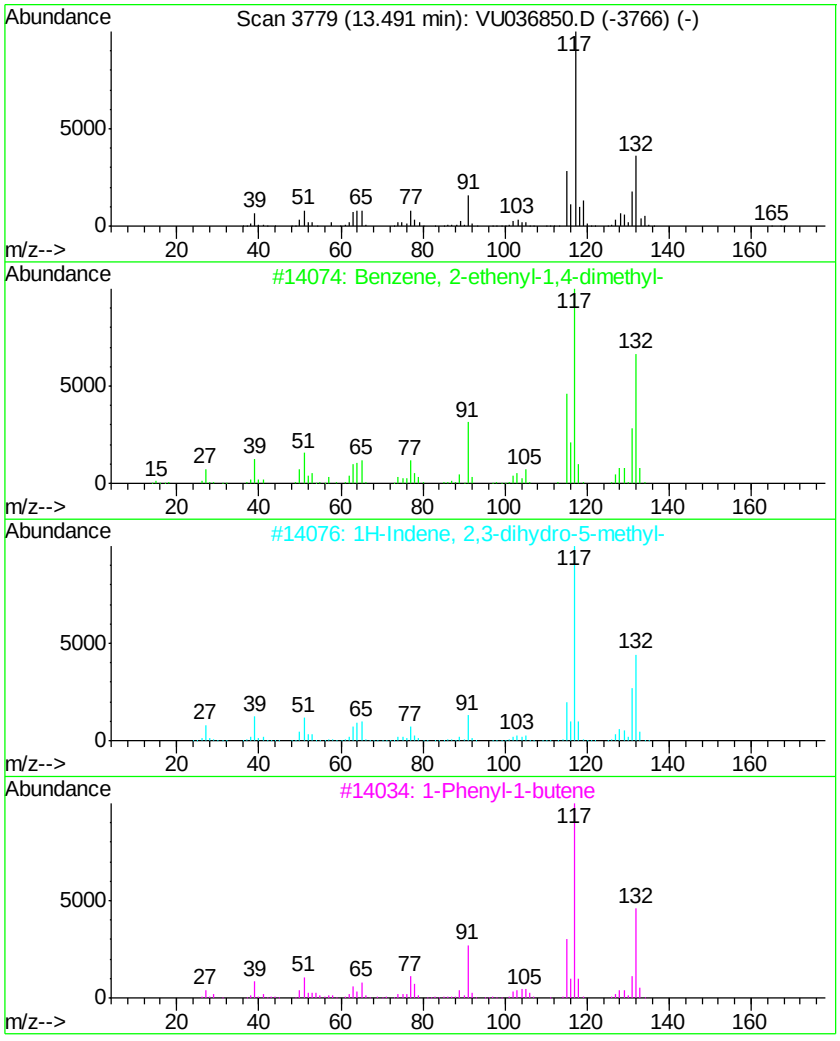
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

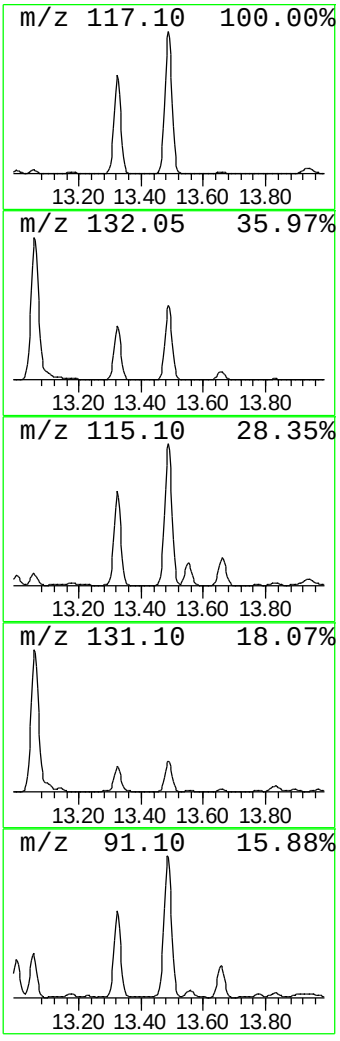
**********

Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.49 | 3.60 ug/L | 7799950 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 94 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 93 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 90 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

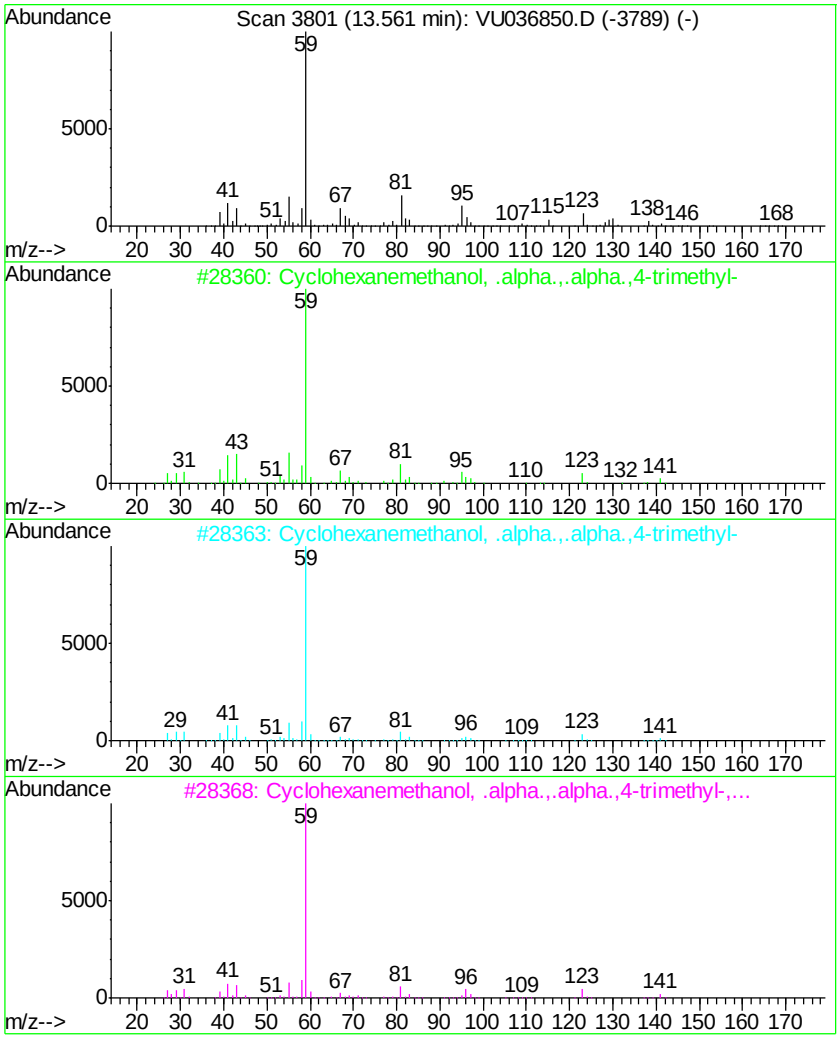
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

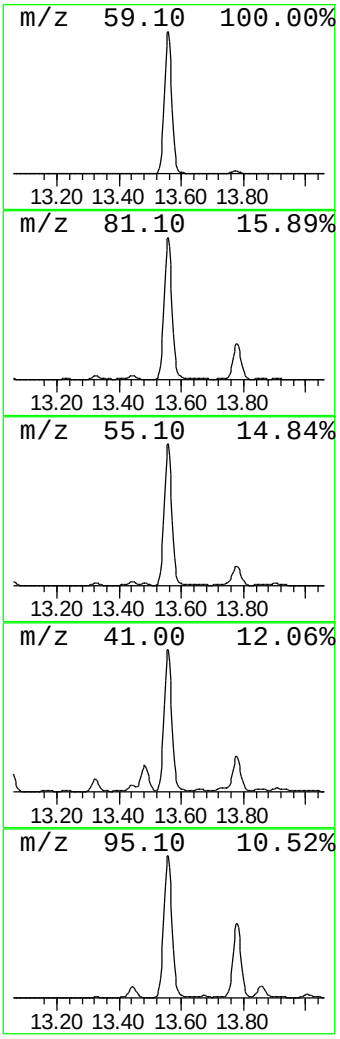
**********

Peak Number 14 Cyclohexanemethanol, .alpha... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.56 | 2.39 ug/L | 5180700 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 64 |
| 2 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 64 |
| 3 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 007322-63-6 | 59 |
| 4 | 2,4-Dimethyl-4-penten-2-ol | 114 | C7H14O | 019781-53-4 | 50 |
| 5 | Butane, 2-methoxy-3-methyl- | 102 | C6H14O | 062016-49-3 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

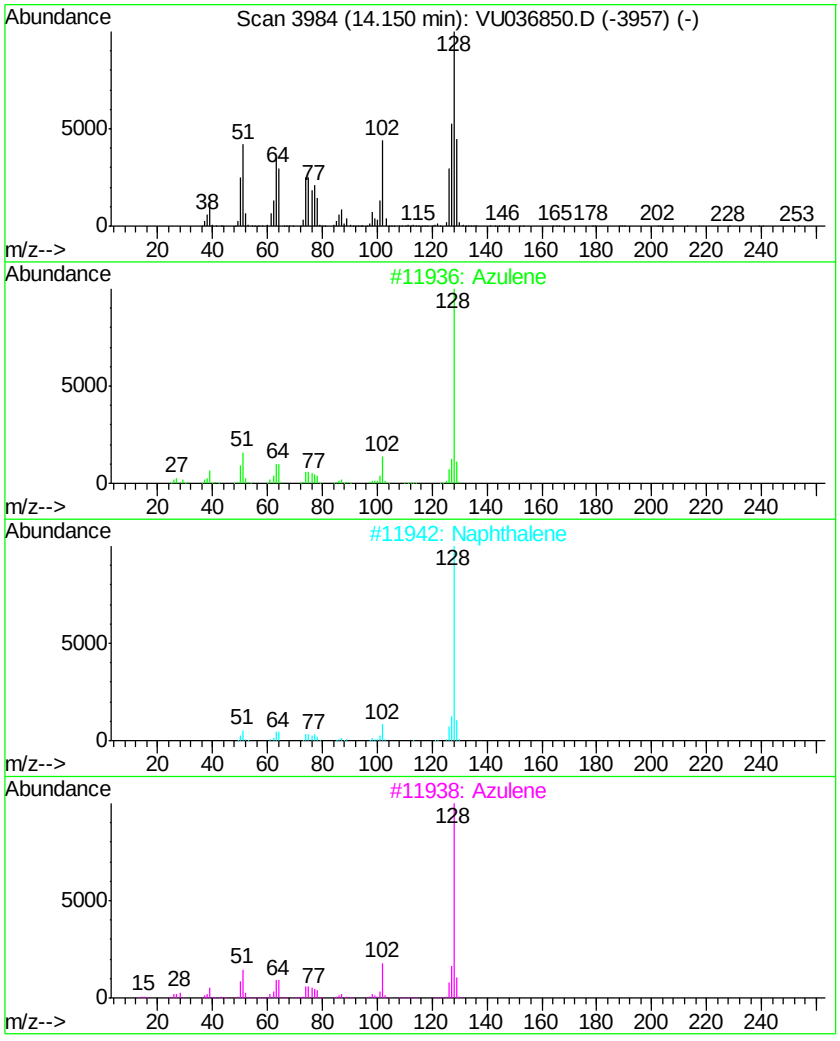
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

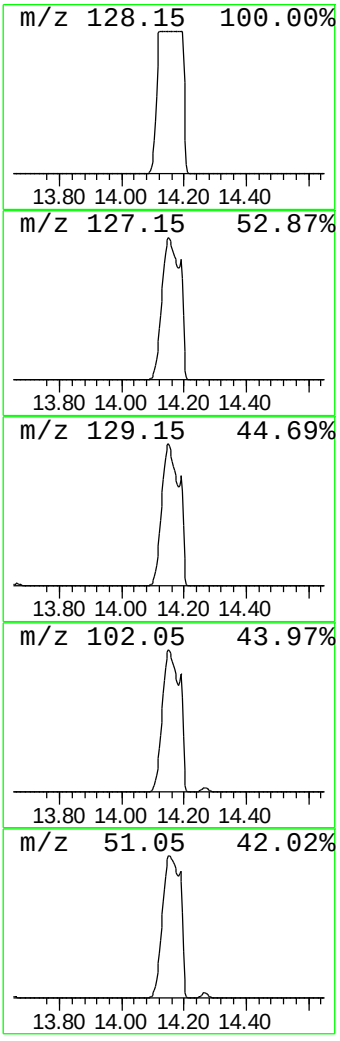
**********

Peak Number 15 Azulene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.15 | 97.91 ug/L | 211914000 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Azulene | 128 | C10H8 | 000275-51-4 | 94 |
| 2 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 3 | Azulene | 128 | C10H8 | 000275-51-4 | 89 |
| 4 | 4-Phenylbut-3-ene-1-yne | 128 | C10H8 | 1000222-12-0 | 89 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 76 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

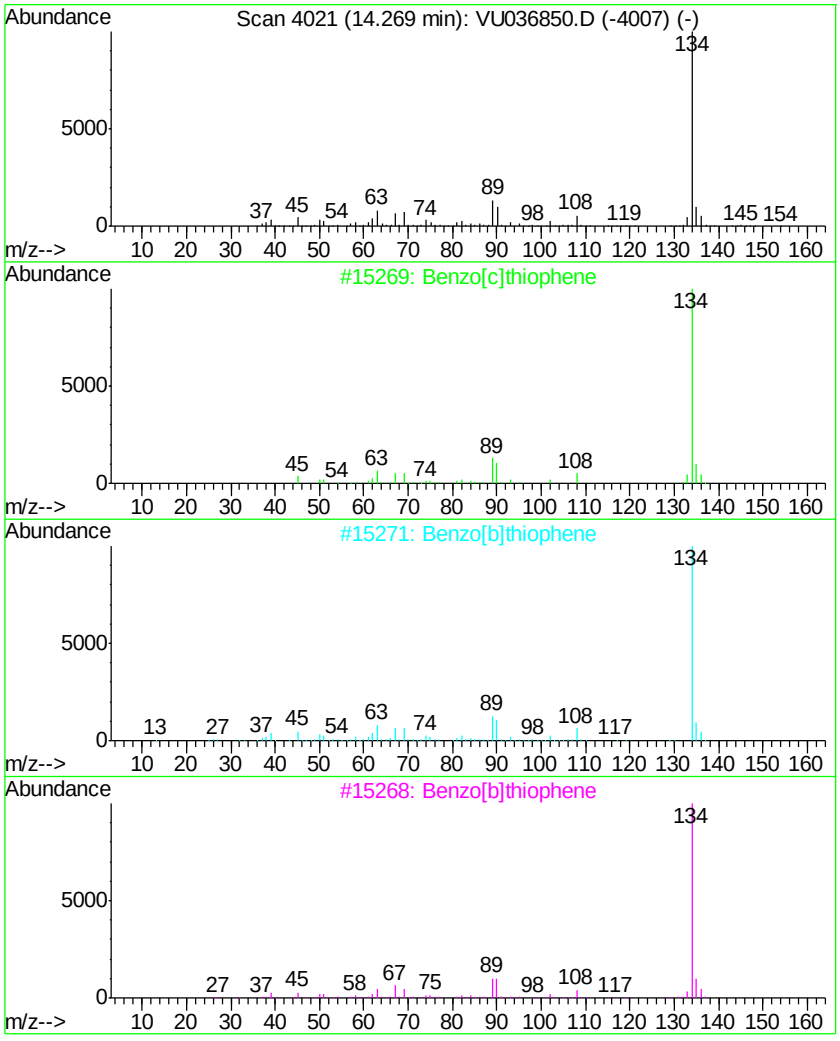
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

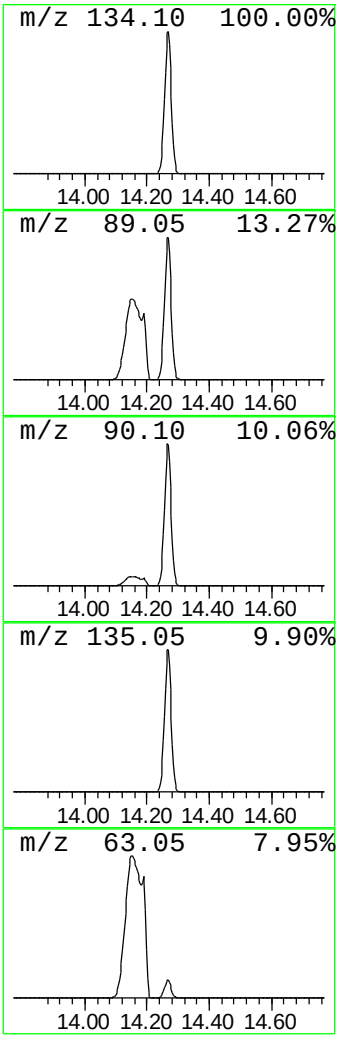
**********

Peak Number 16 Benzo[c]thiophene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.27 | 7.40 ug/L | 16006000 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 97 |
| 2 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 97 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 95 |
| 4 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 95 |
| 5 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

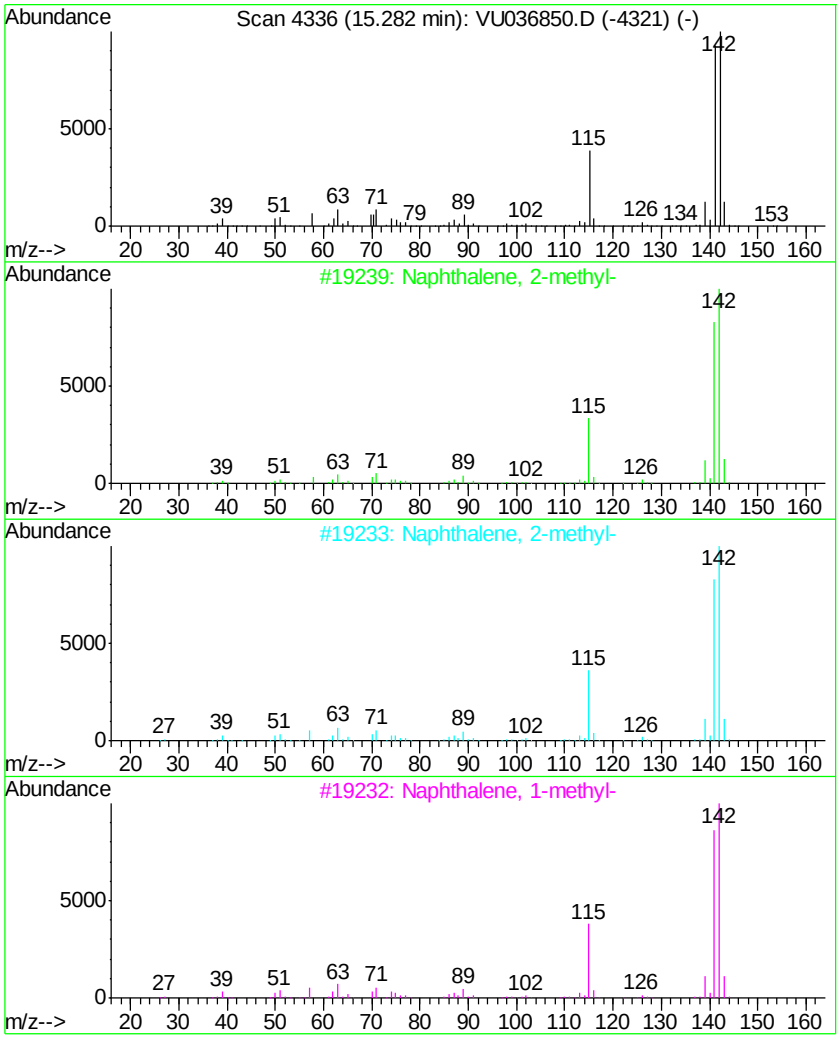
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

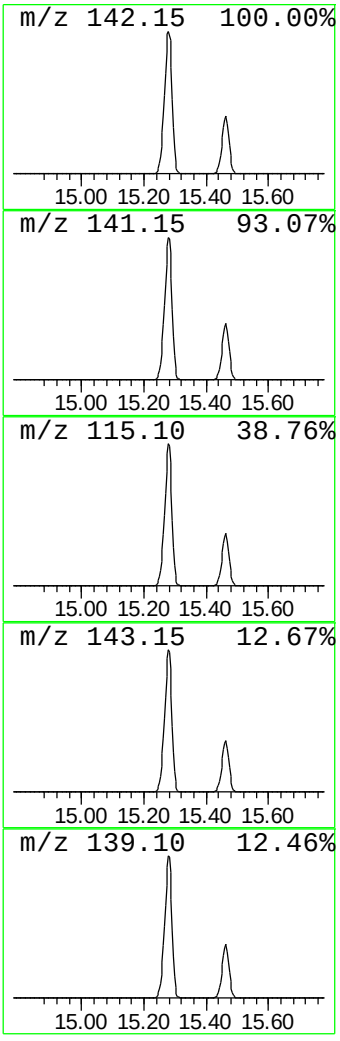
**********

Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.28 | 24.82 ug/L | 53720100 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036850.D
Acq On : 19 Feb 2020 15:37
Operator : JC/MD
Sample : L1580-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DBDJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1-ethyl-... | 11.02 | 5.2 | ug/L | 11291800 | 3 | 11.83 | 10821500 | 5.0 |
| Benzene, 1,2,3-tr... | 11.11 | 3.7 | ug/L | 8056020 | 3 | 11.83 | 10821500 | 5.0 |
| Benzene, 1-etheny... | 11.56 | 2.5 | ug/L | 5319520 | 3 | 11.83 | 10821500 | 5.0 |
| D-Limonene | 11.76 | 1.3 | ug/L | 2716990 | 3 | 11.83 | 10821500 | 5.0 |
| Indane | 12.12 | 35.5 | ug/L | 76902300 | 3 | 11.83 | 10821500 | 5.0 |
| Indene | 12.33 | 7.5 | ug/L | 16269200 | 3 | 11.83 | 10821500 | 5.0 |
| Benzene, 1-etheny... | 12.70 | 1.6 | ug/L | 3434850 | 3 | 11.83 | 10821500 | 5.0 |
| Benzofuran, 7-met... | 12.95 | 1.3 | ug/L | 2735690 | 3 | 11.83 | 10821500 | 5.0 |
| Benzofuran, 2-met... | 13.06 | 4.1 | ug/L | 8809930 | 3 | 11.83 | 10821500 | 5.0 |
| 1H-Indene, 2,3-di... | 13.32 | 2.2 | ug/L | 4751020 | 3 | 11.83 | 10821500 | 5.0 |
| Benzene, 2-etheny... | 13.49 | 3.6 | ug/L | 7799950 | 3 | 11.83 | 10821500 | 5.0 |
| Cyclohexanemethan... | 13.56 | 2.4 | ug/L | 5180700 | 3 | 11.83 | 10821500 | 5.0 |
| Azulene | 14.15 | 97.9 | ug/L | 211914000 | 3 | 11.83 | 10821500 | 5.0 |
| Benzo[c]thiophene | 14.27 | 7.4 | ug/L | 16006000 | 3 | 11.83 | 10821500 | 5.0 |
| Naphthalene, 1-me... | 15.28 | 24.8 | ug/L | 53720100 | 3 | 11.83 | 10821500 | 5.0 |