# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

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_V\METHOD\SOMVTR081919WMA.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 | 5.093 | 1226 | 1245 | 1253 | rBV3 | 196460 | 467395 | 1.77% | 0.809% |
| 2 | 5.145 | 1253 | 1261 | 1281 | rVB | 275636 | 584507 | 2.22% | 1.012% |
| 3 | 5.662 | 1408 | 1422 | 1447 | rBV | 153924 | 301711 | 1.14% | 0.522% |
| 4 | 7.357 | 1934 | 1949 | 1961 | rBV | 256286 | 435721 | 1.65% | 0.754% |
| 5 | 7.428 | 1961 | 1971 | 1993 | rVB | 465242 | 797238 | 3.02% | 1.380% |
| 6 | 8.132 | 2177 | 2190 | 2219 | rBV2 | 208563 | 398876 | 1.51% | 0.691% |
| 7 | 8.894 | 2415 | 2427 | 2446 | rBV | 223282 | 364945 | 1.38% | 0.632% |
| 8 | 9.055 | 2463 | 2477 | 2499 | rBV | 789123 | 1240838 | 4.71% | 2.148% |
| 9 | 9.177 | 2501 | 2515 | 2545 | rVB | 716673 | 1149117 | 4.36% | 1.990% |
| 10 | 9.585 | 2631 | 2642 | 2661 | rVB | 369220 | 580702 | 2.20% | 1.005% |
| 11 | 9.974 | 2747 | 2763 | 2776 | rBV | 221028 | 341899 | 1.30% | 0.592% |
| 12 | 10.489 | 2911 | 2923 | 2928 | rBV | 218834 | 343324 | 1.30% | 0.594% |
| 13 | 10.955 | 3055 | 3068 | 3082 | rVB | 444649 | 665666 | 2.52% | 1.153% |
| 14 | 11.212 | 3136 | 3148 | 3162 | rBV2 | 186541 | 328836 | 1.25% | 0.569% |
| 15 | 11.292 | 3162 | 3173 | 3189 | rVB2 | 287462 | 458819 | 1.74% | 0.794% |
| 16 | 11.379 | 3189 | 3200 | 3211 | rBV | 182102 | 277350 | 1.05% | 0.480% |
| 17 | 11.572 | 3244 | 3260 | 3280 | rBV | 5238561 | 8266493 | 31.36% | 14.312% |
| 18 | 11.672 | 3280 | 3291 | 3308 | rVB3 | 345932 | 611127 | 2.32% | 1.058% |
| 19 | 11.788 | 3316 | 3327 | 3341 | rVB | 241583 | 368980 | 1.40% | 0.639% |
| 20 | 12.157 | 3433 | 3442 | 3460 | rBV | 178390 | 277234 | 1.05% | 0.480% |
| 21 | 12.508 | 3541 | 3551 | 3562 | rBV | 306467 | 530310 | 2.01% | 0.918% |
| 22 | 12.768 | 3622 | 3632 | 3649 | rVB | 240739 | 362523 | 1.38% | 0.628% |
| 23 | 12.926 | 3664 | 3681 | 3692 | rBV2 | 316193 | 497779 | 1.89% | 0.862% |
| 24 | 13.096 | 3722 | 3734 | 3754 | rVB4 | 264676 | 451251 | 1.71% | 0.781% |
| 25 | 13.556 | 3858 | 3877 | 3897 | rBV | 16026466 | 26363208 | 100.00% | 45.644% |
| 26 | 13.669 | 3897 | 3912 | 3922 | rBV | 589513 | 932236 | 3.54% | 1.614% |
| 27 | 14.678 | 4216 | 4226 | 4252 | rVB | 1359286 | 2127082 | 8.07% | 3.683% |
| 28 | 14.865 | 4271 | 4284 | 4298 | rBV | 2807222 | 4335008 | 16.44% | 7.505% |
| 29 | 15.411 | 4430 | 4454 | 4465 | rBV | 337230 | 519772 | 1.97% | 0.900% |
| 30 | 15.714 | 4536 | 4548 | 4570 | rVB | 298793 | 535778 | 2.03% | 0.928% |
| 31 | 15.858 | 4573 | 4593 | 4600 | rVV | 378688 | 605049 | 2.30% | 1.048% |
| 32 | 15.897 | 4600 | 4605 | 4620 | rVB | 199350 | 290513 | 1.10% | 0.503% |
| 33 | 16.537 | 4786 | 4804 | 4820 | rBV | 1205757 | 1946812 | 7.38% | 3.371% |

LSC Area Percent Report

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Sample : K4373-11DL 10X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

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_V\METHOD\SOMVTR081919WMA.M
Title : TRACE VOA SOM01.0

Sum of corrected areas: 57758099

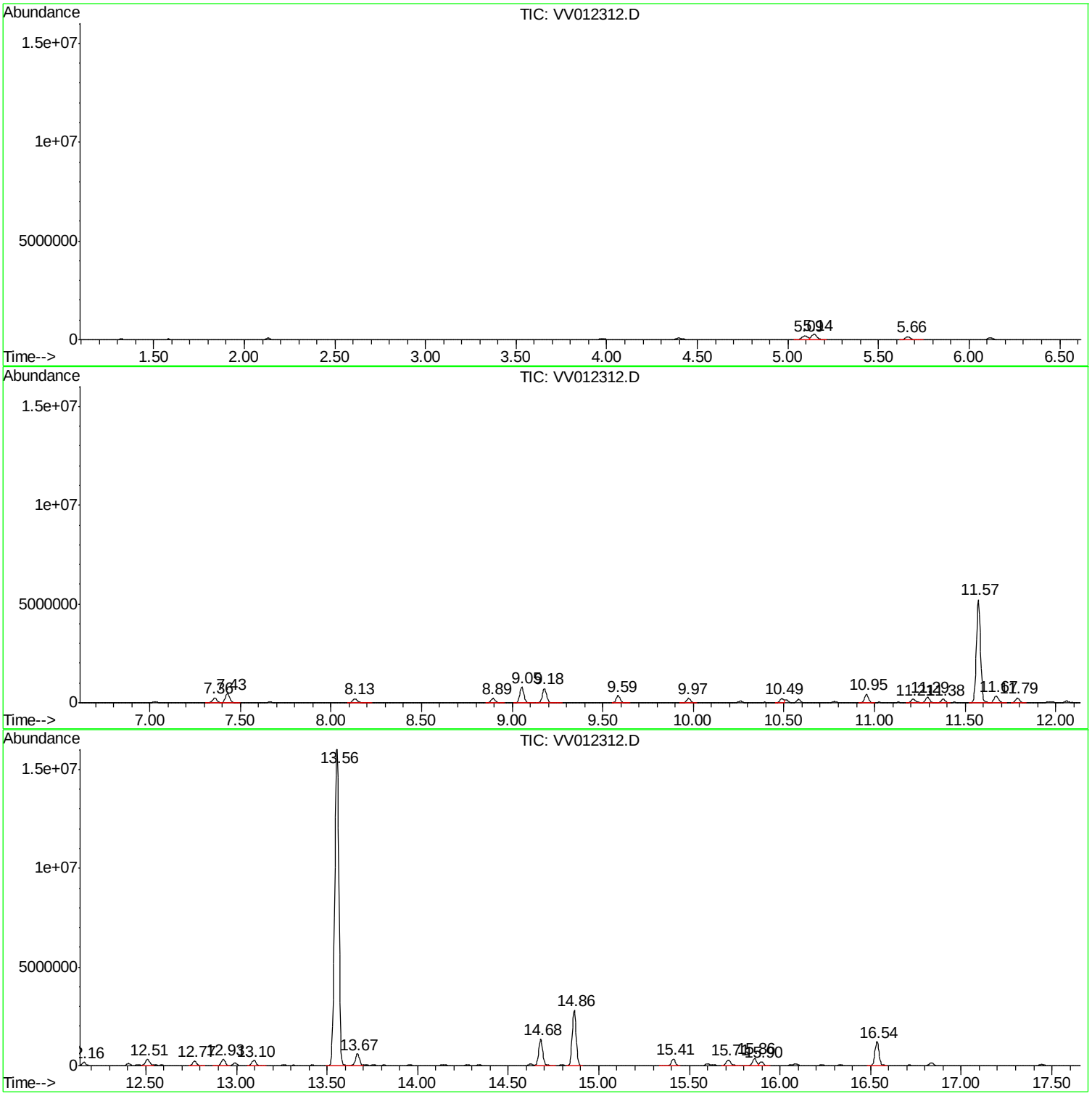
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.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_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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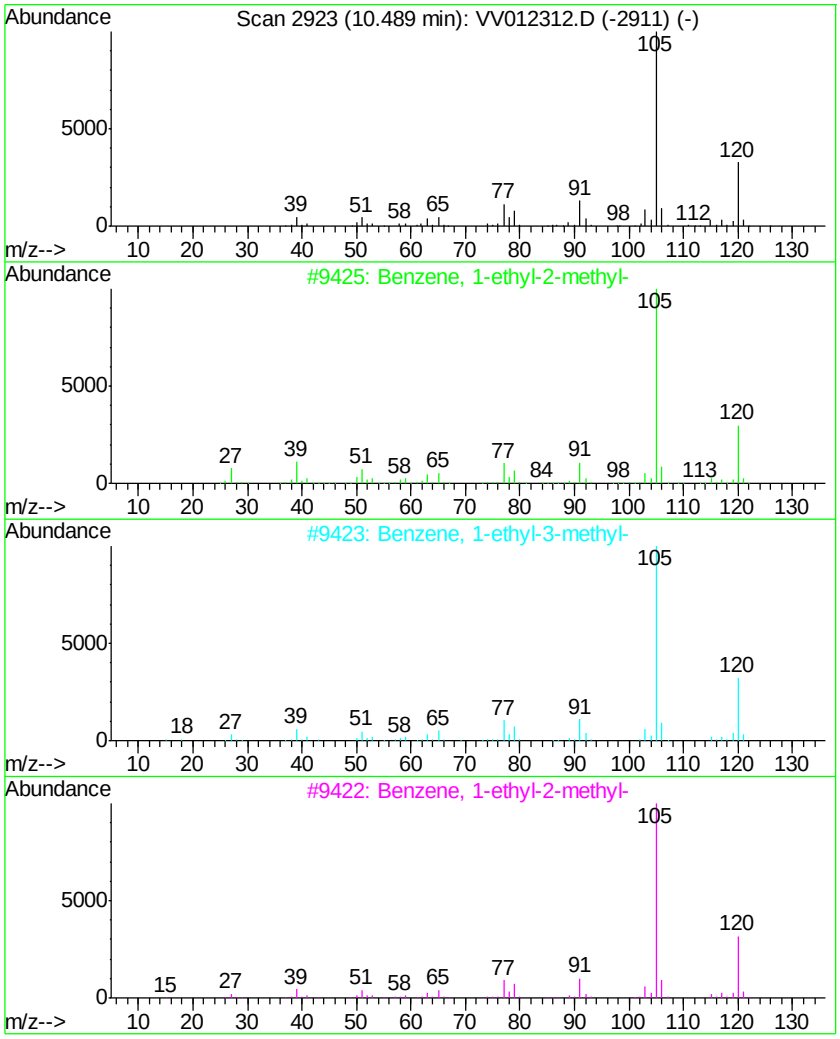
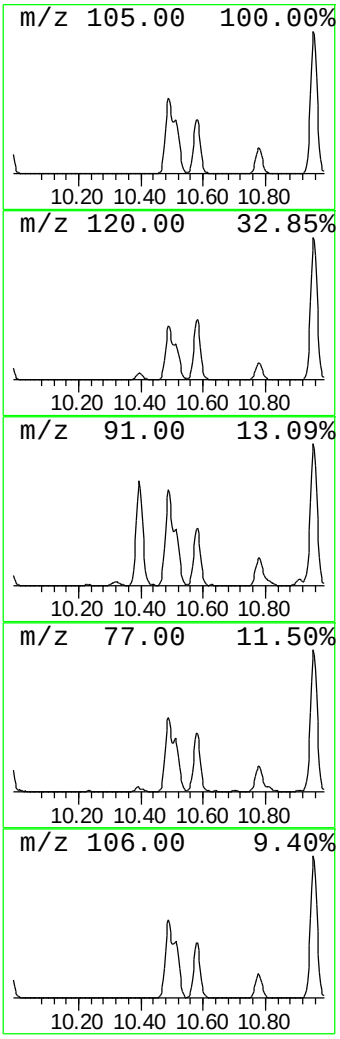
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.49 | 3.74 ug/L | 343324 | 1,4-Dichlorobenzene-d4 | 11.29 |

| 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-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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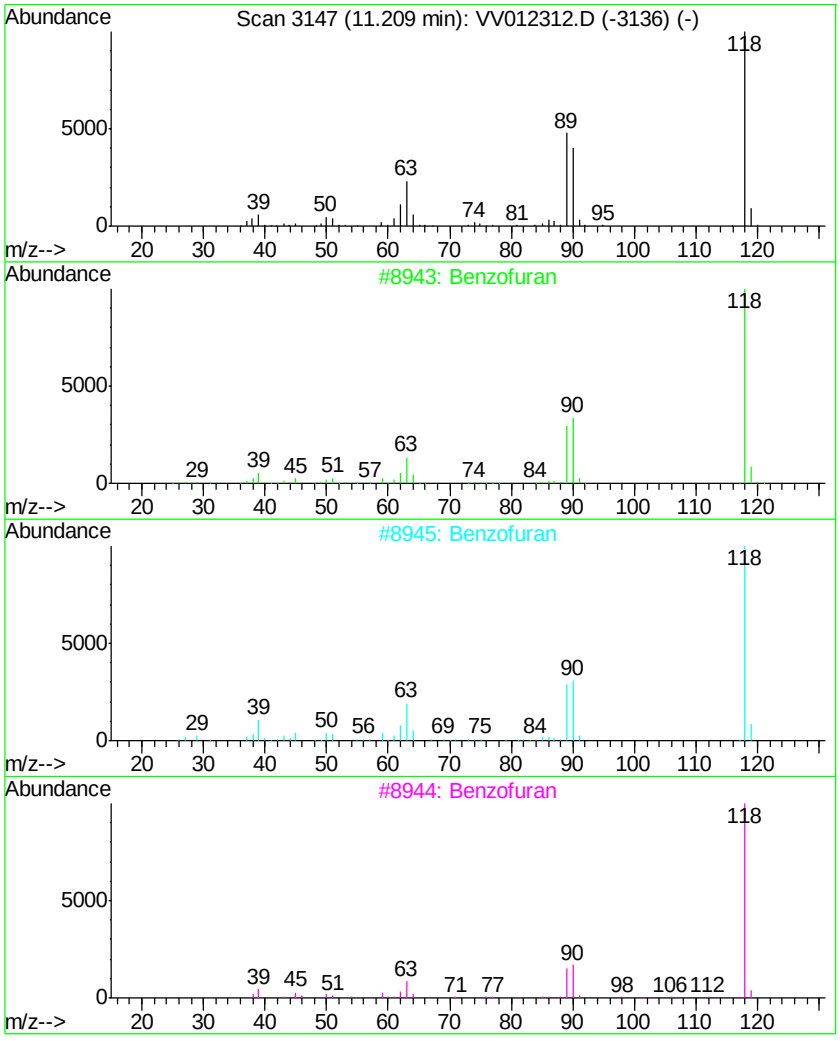
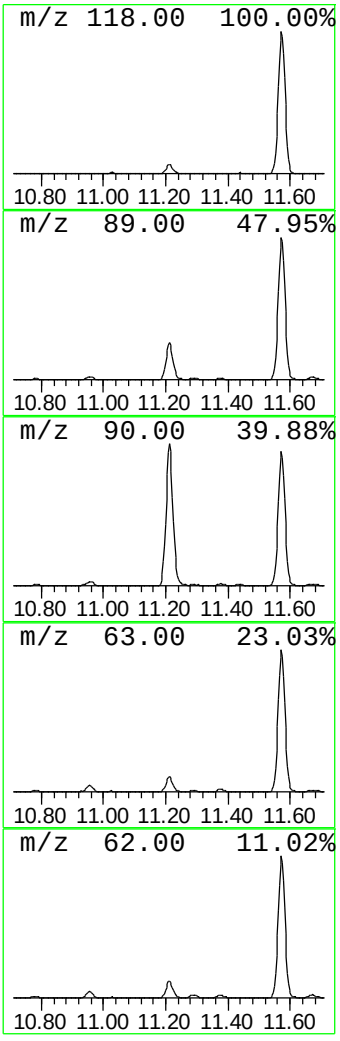
Peak Number 3 Benzofuran Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.21 | 3.58 ug/L | 328836 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran | 118 | C8H6O | 000271-89-6 | 94 |
| 2 | Benzofuran | 118 | C8H6O | 000271-89-6 | 90 |
| 3 | Benzofuran | 118 | C8H6O | 000271-89-6 | 90 |
| 4 | 3-Hydroxyphenylacetylene | 118 | C8H6O | 010401-11-3 | 64 |
| 5 | 2H-Cyclopenta[d]pyridazine | 118 | C7H6N2 | 000270-64-4 | 53 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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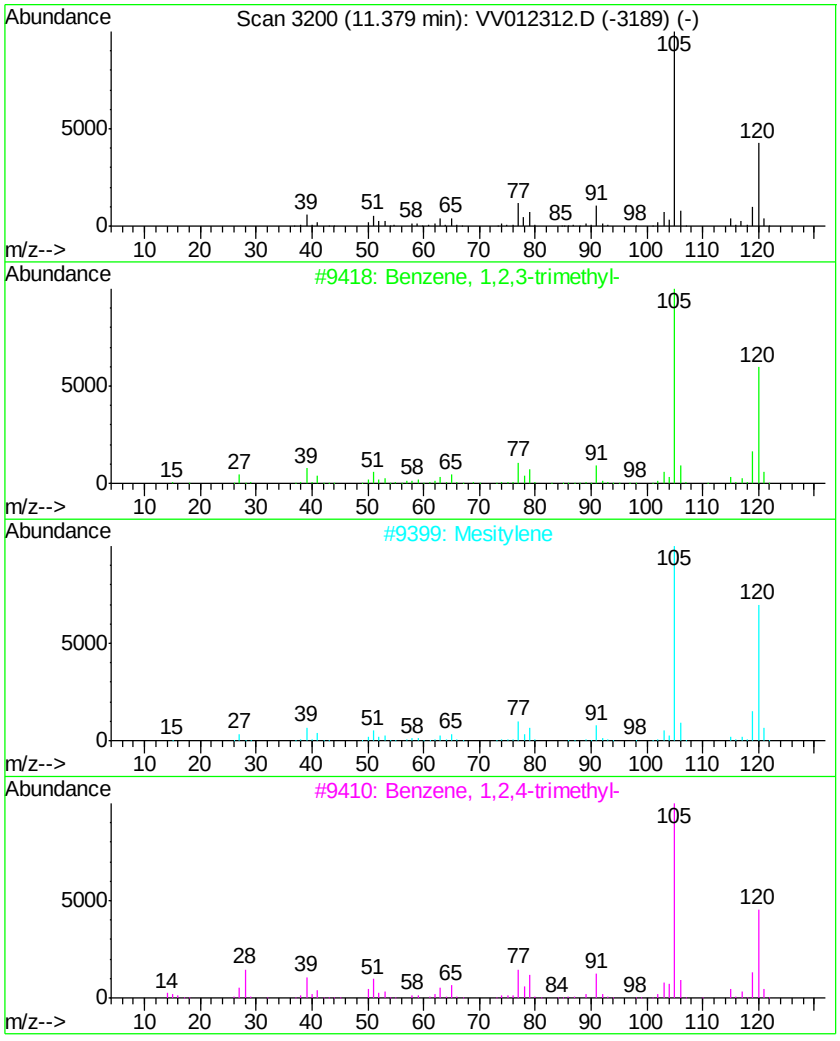
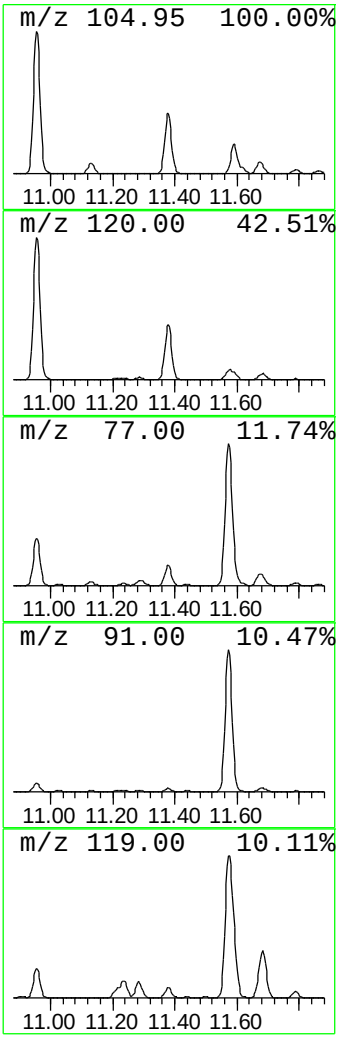
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.38 | 3.02 ug/L | 277350 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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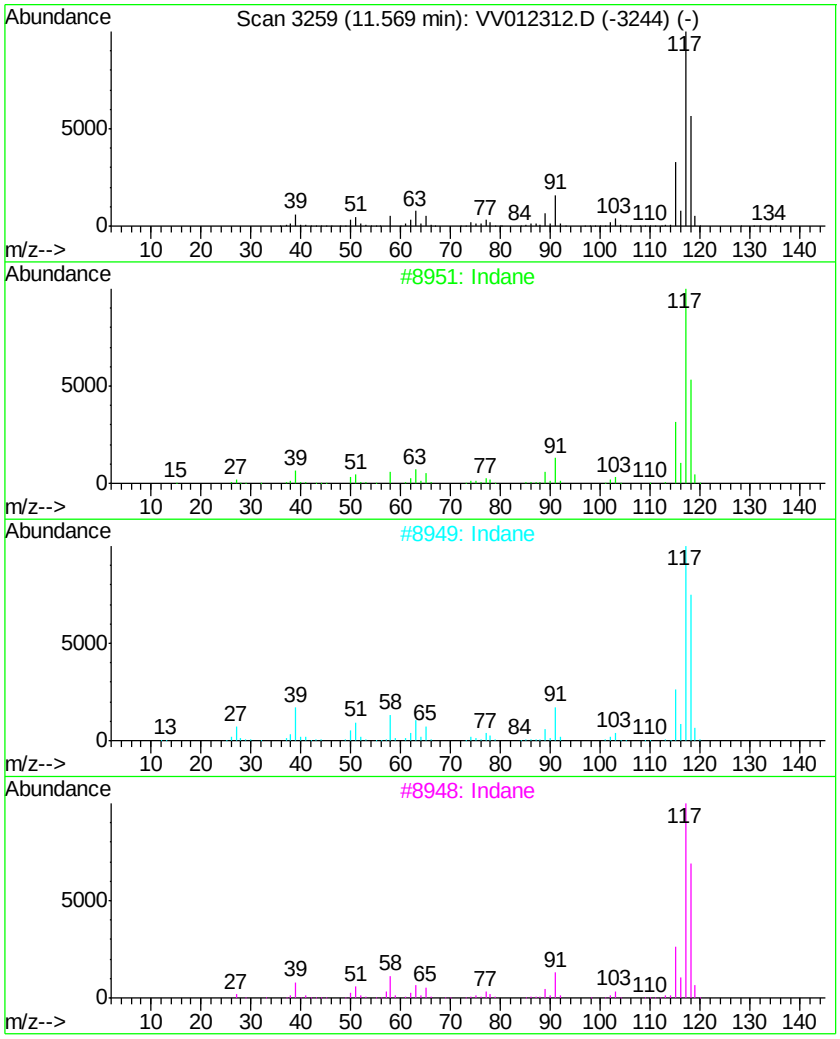
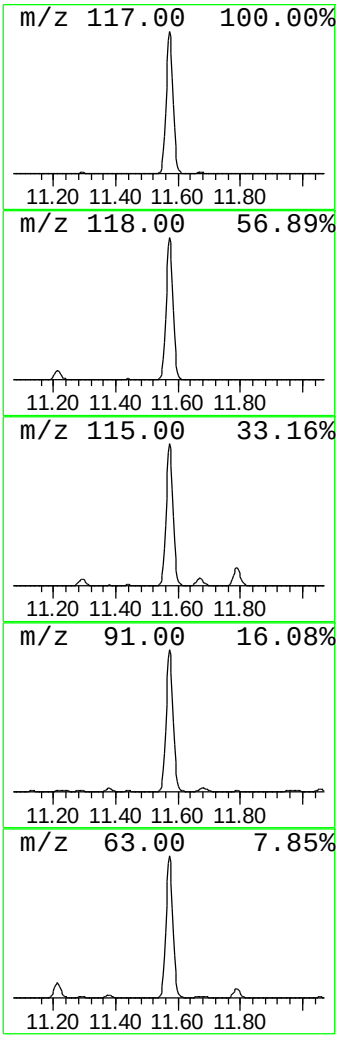
Peak Number 5 Indane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 90.08 ug/L | 8266490 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 87 |
| 5 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 80 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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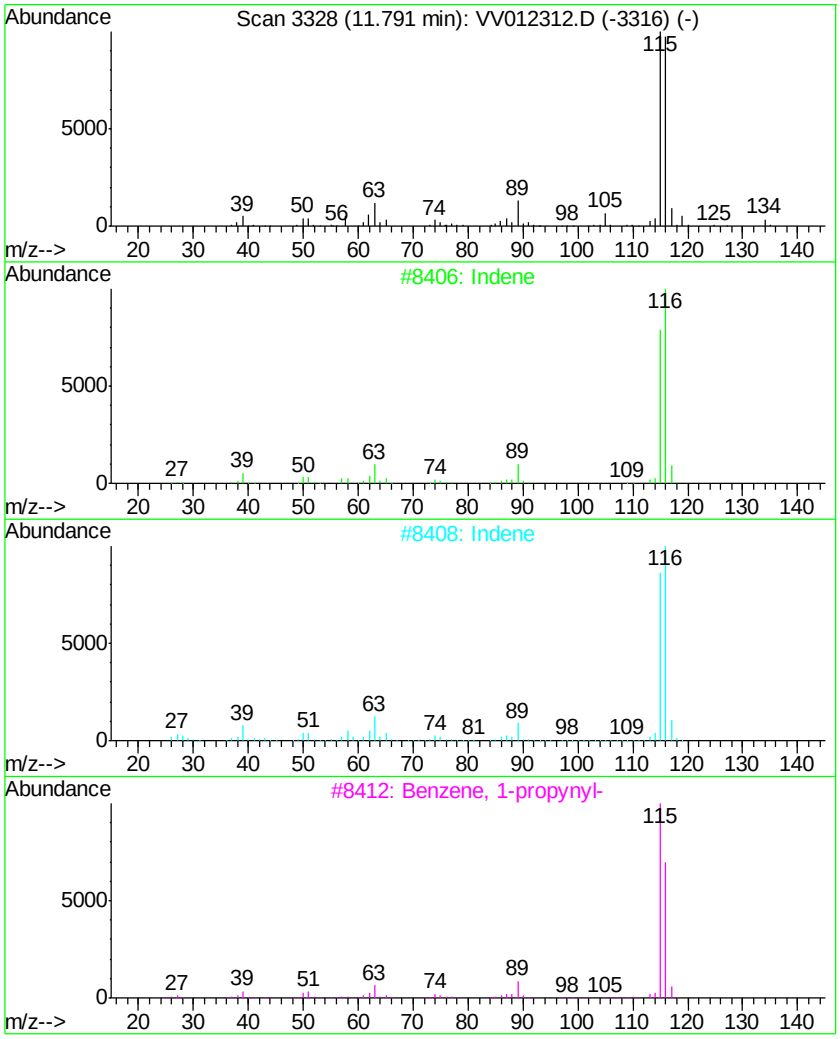
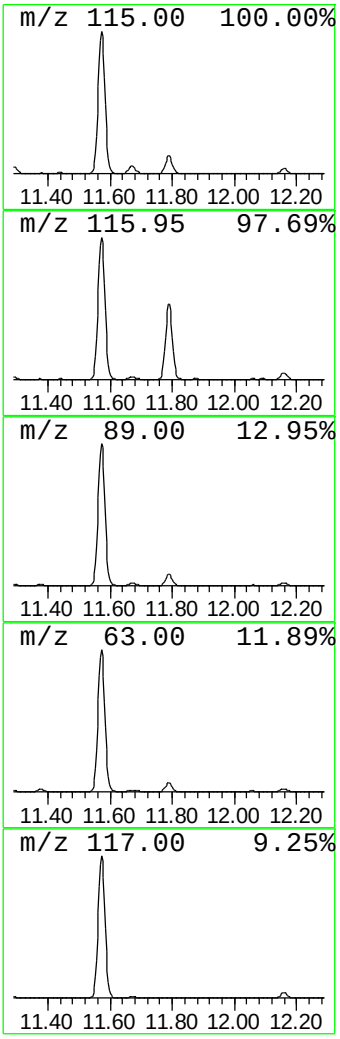
Peak Number 6 Indene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 4.02 ug/L | 368980 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 95 |
| 4 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 5 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

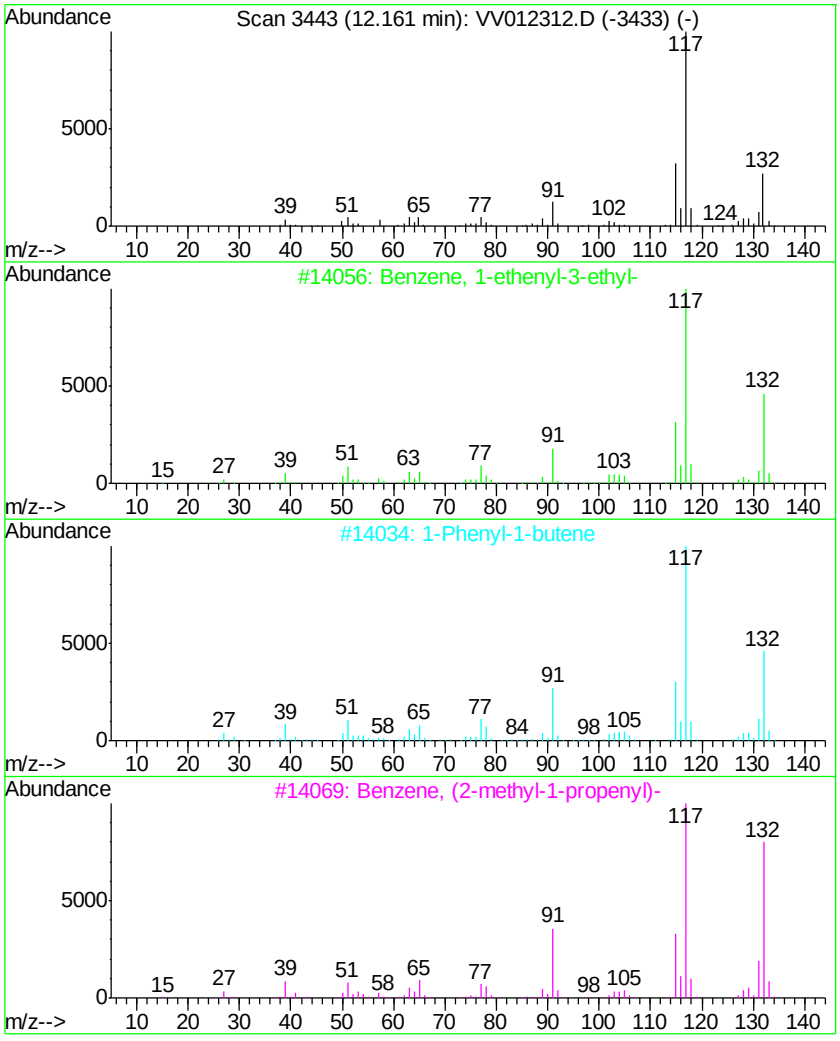
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

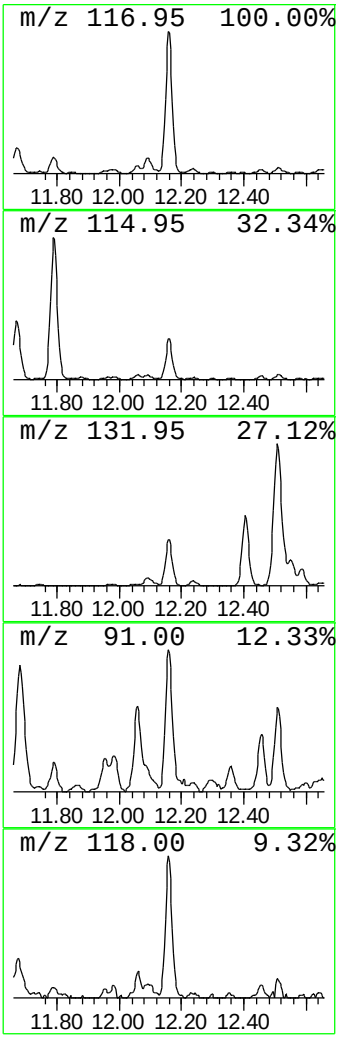
**********

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.16 | 3.02 ug/L | 277234 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 91 |
| 2 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 86 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 83 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |



Library Search Compound Report

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Data File : VV012312.D
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Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

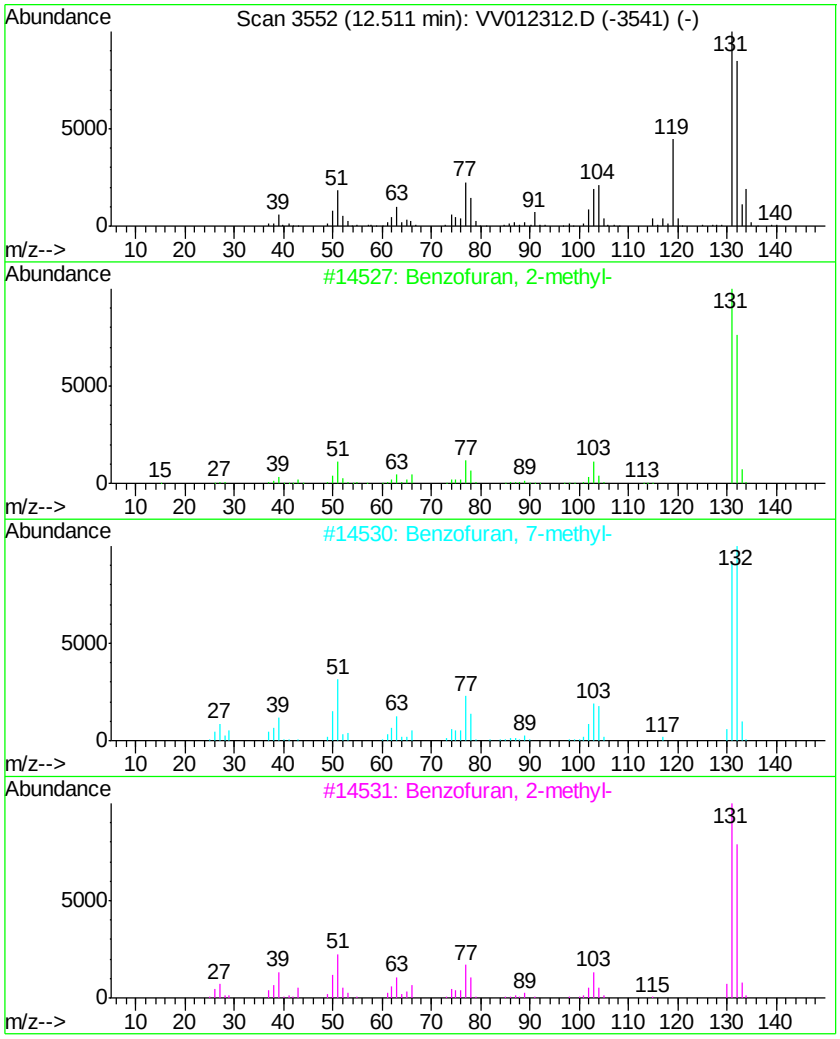
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

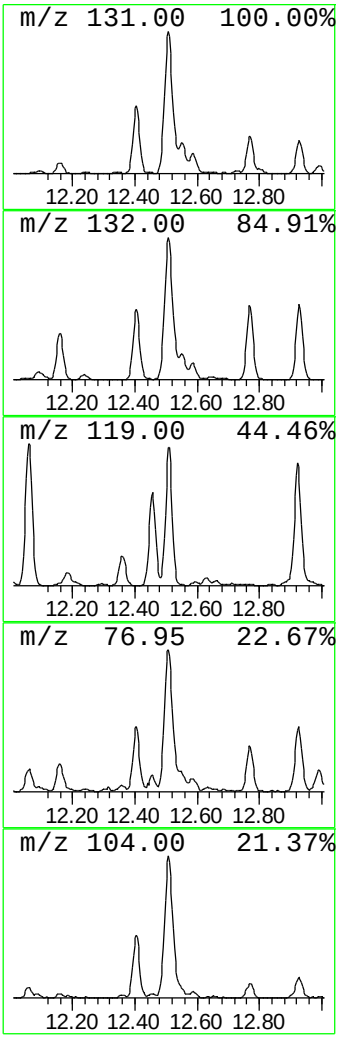
**********

Peak Number 8 Benzofuran, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.51 | 5.78 ug/L | 530310 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 89 |
| 2 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 81 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 76 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 76 |
| 5 | 5-Methylbenzimidazole | 132 | C8H8N2 | 000614-97-1 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

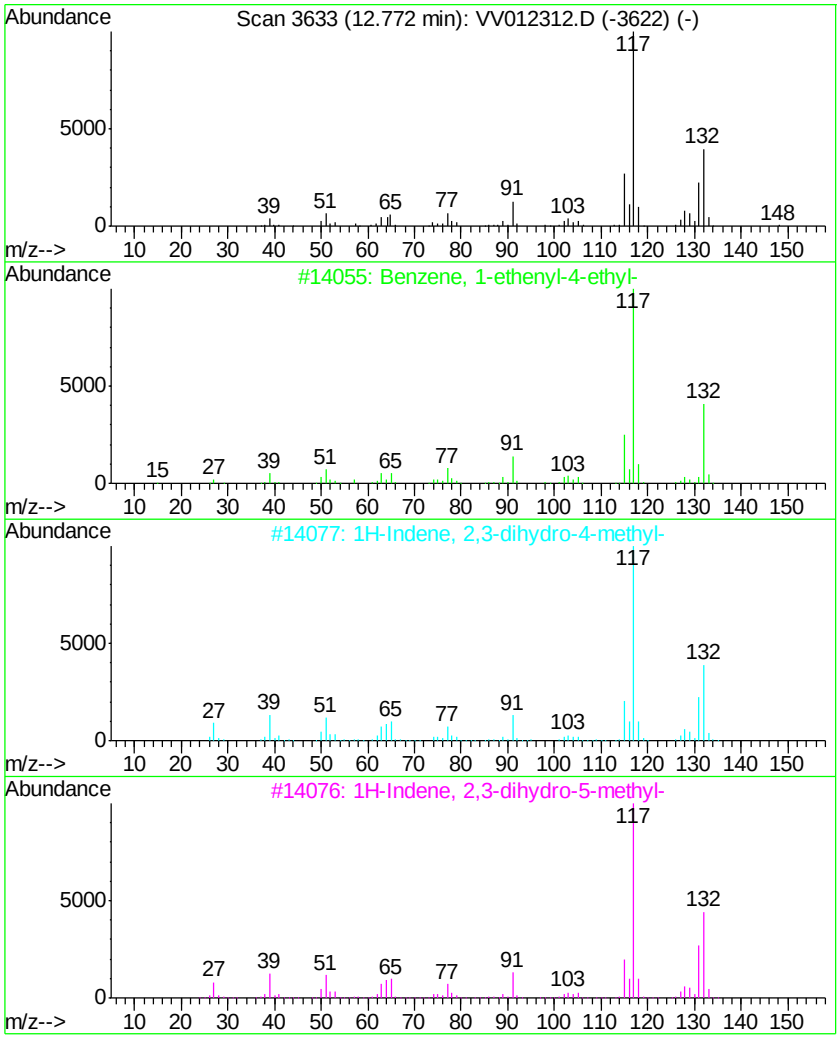
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

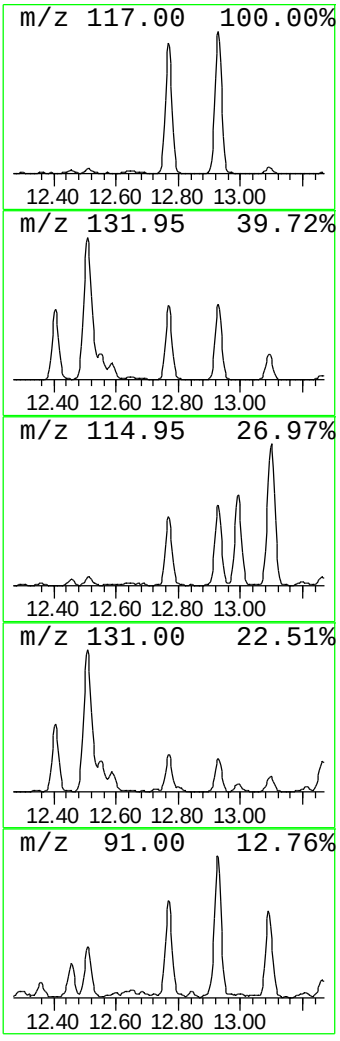
**********

Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.77 | 3.95 ug/L | 362523 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 91 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

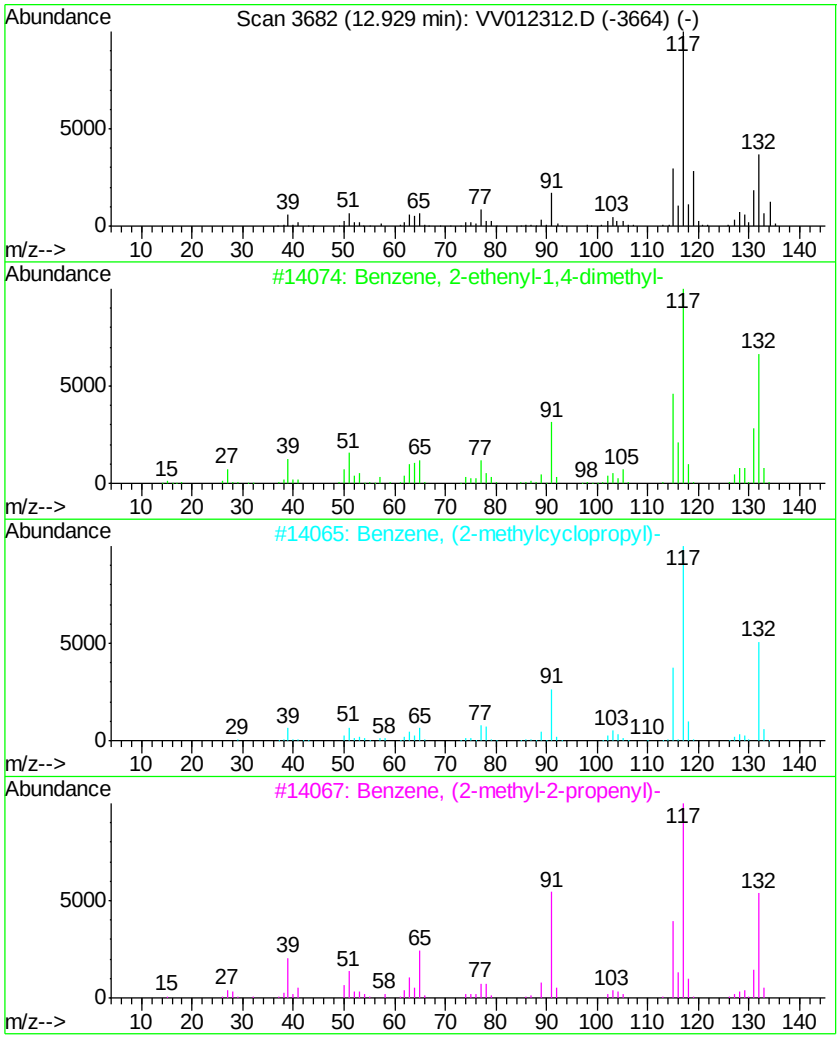
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

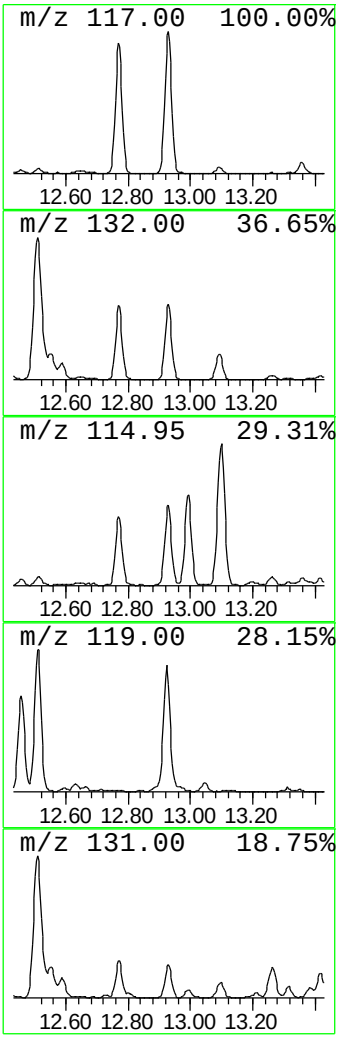
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.93 | 5.42 ug/L | 497779 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 2 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 92 |
| 3 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 81 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 81 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

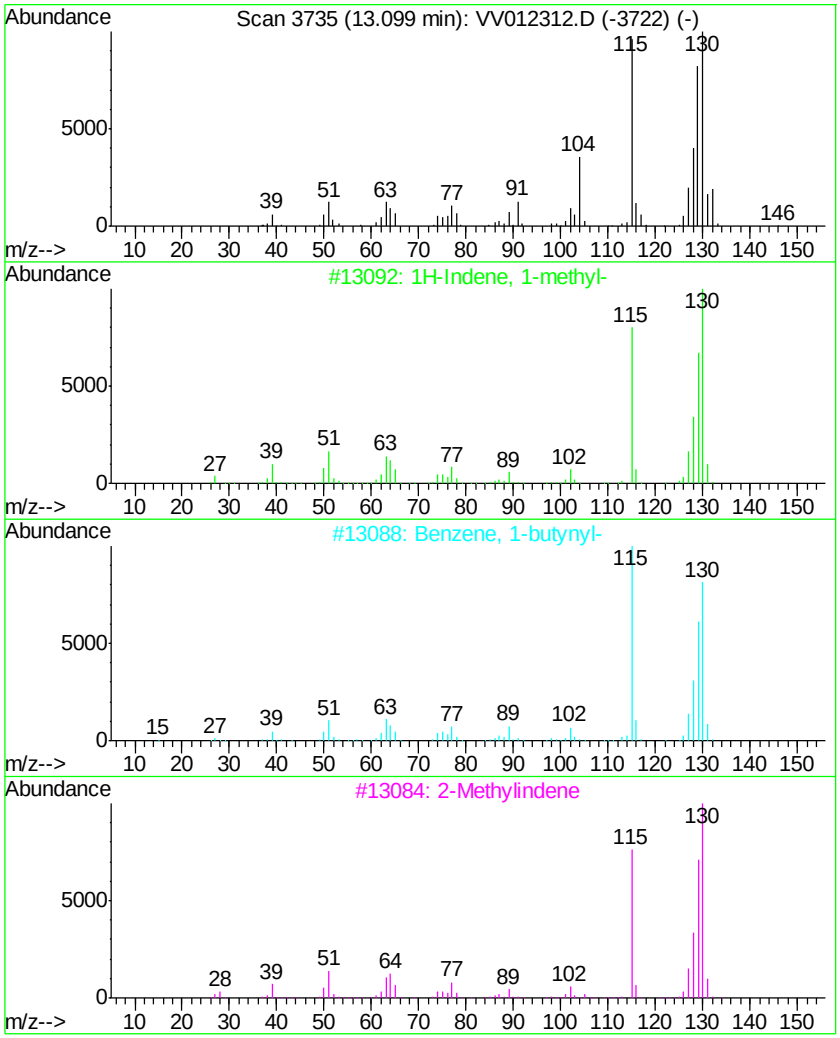
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

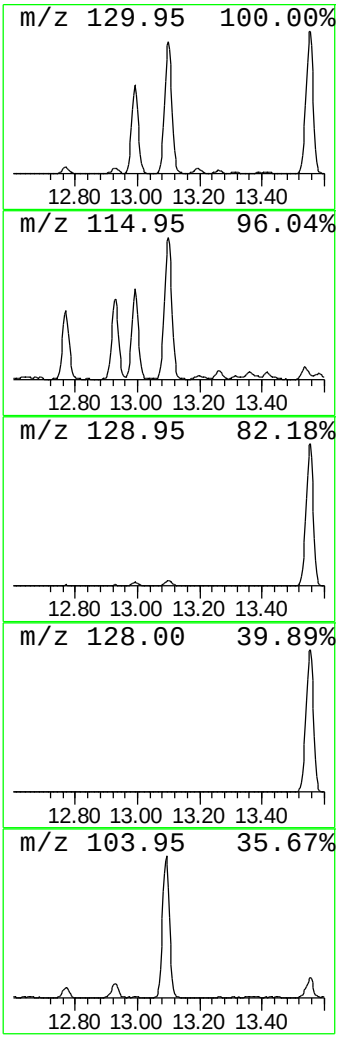
**********

Peak Number 11 1H-Indene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.10 | 4.92 ug/L | 451251 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 94 |
| 2 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 92 |
| 3 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 89 |
| 4 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 89 |
| 5 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 87 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

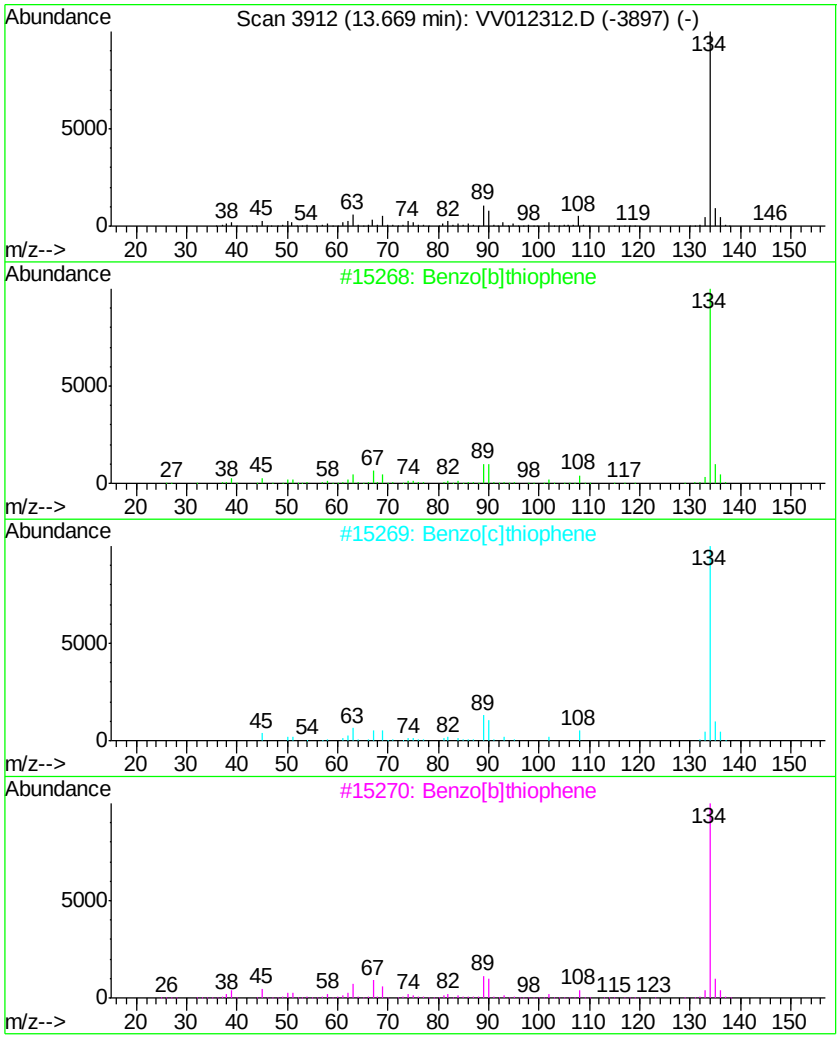
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

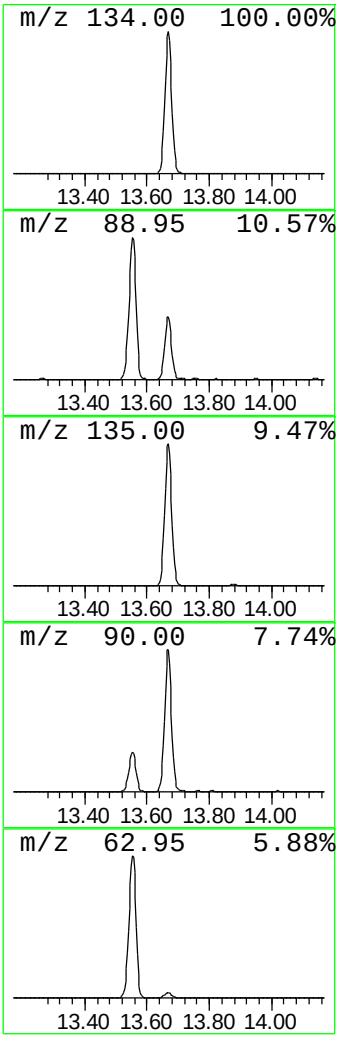
**********

Peak Number 13 Benzo[b]thiophene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.67 | 10.16 ug/L | 932236 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 94 |
| 2 | Benzo[c]thiophene | 134 | C8H6S | 000270-82-6 | 91 |
| 3 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 91 |
| 4 | Cyclopenta[c]thiapyran | 134 | C8H6S | 000270-63-3 | 91 |
| 5 | Benzo[b]thiophene | 134 | C8H6S | 000095-15-8 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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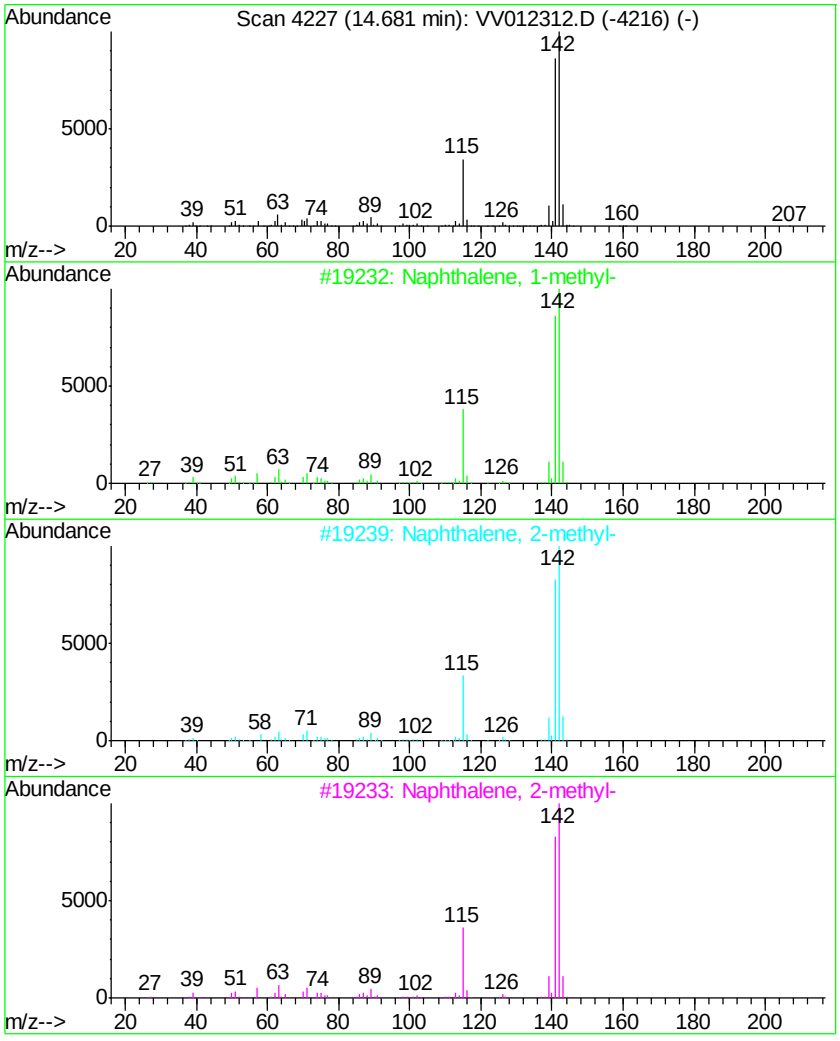
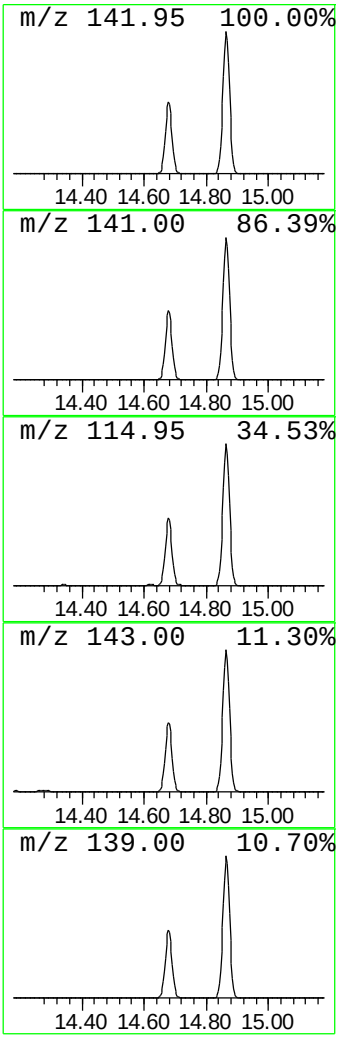
Peak Number 14 Naphthalene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.68 | 23.18 ug/L | 2127080 | 1,4-Dichlorobenzene-d4 | 11.29 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

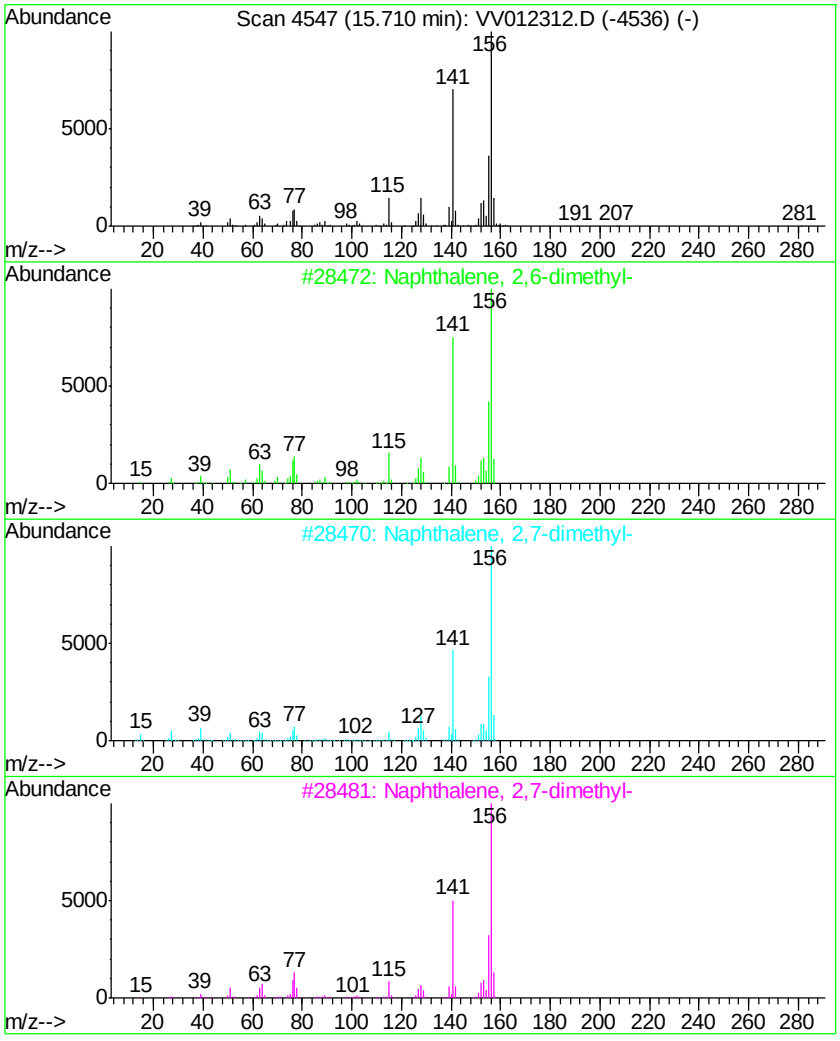
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

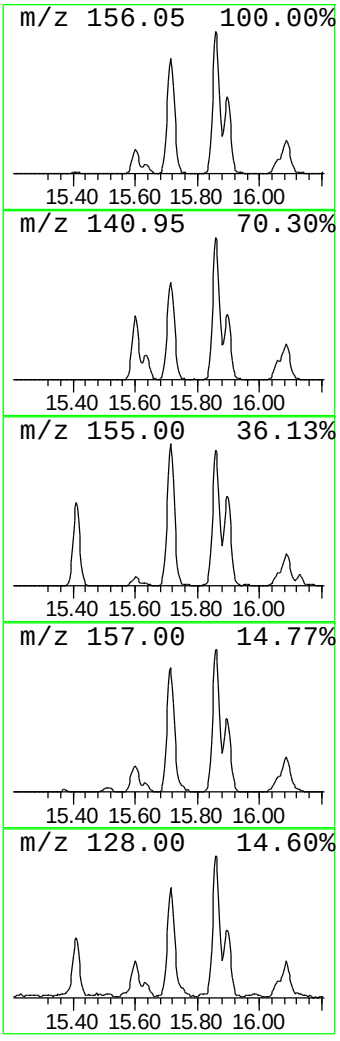
**********

Peak Number 17 Naphthalene, 2,6-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.71 | 5.84 ug/L | 535778 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

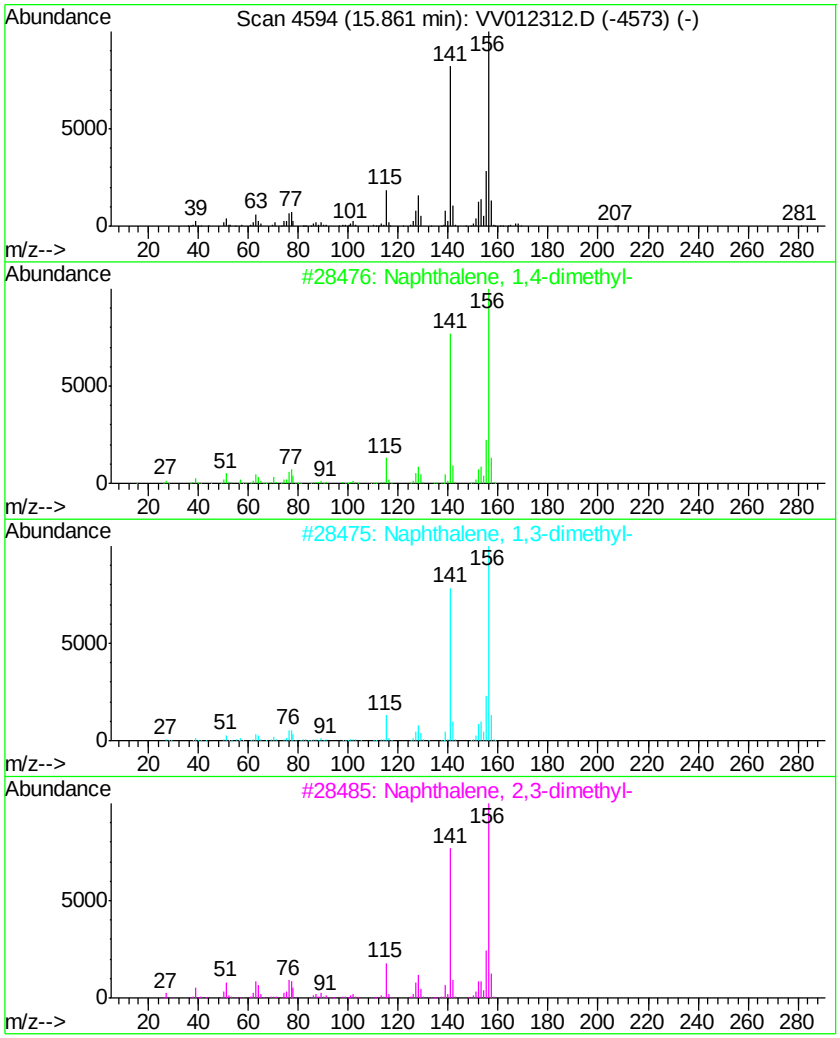
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

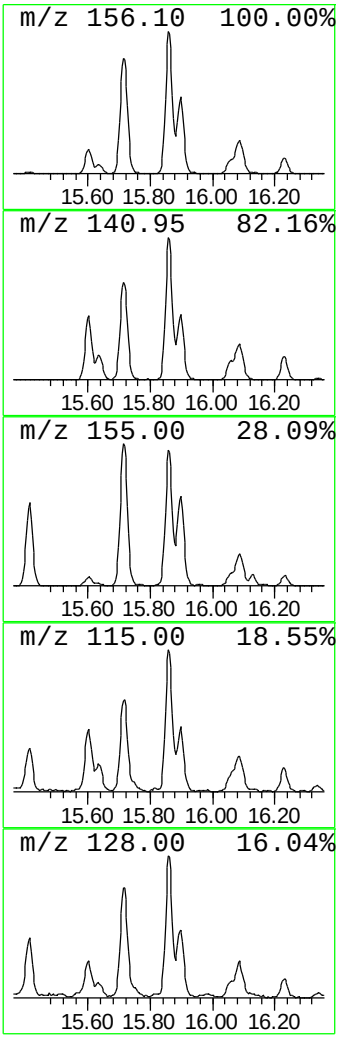
**********

Peak Number 18 Naphthalene, 1,4-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.86 | 6.59 ug/L | 605049 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

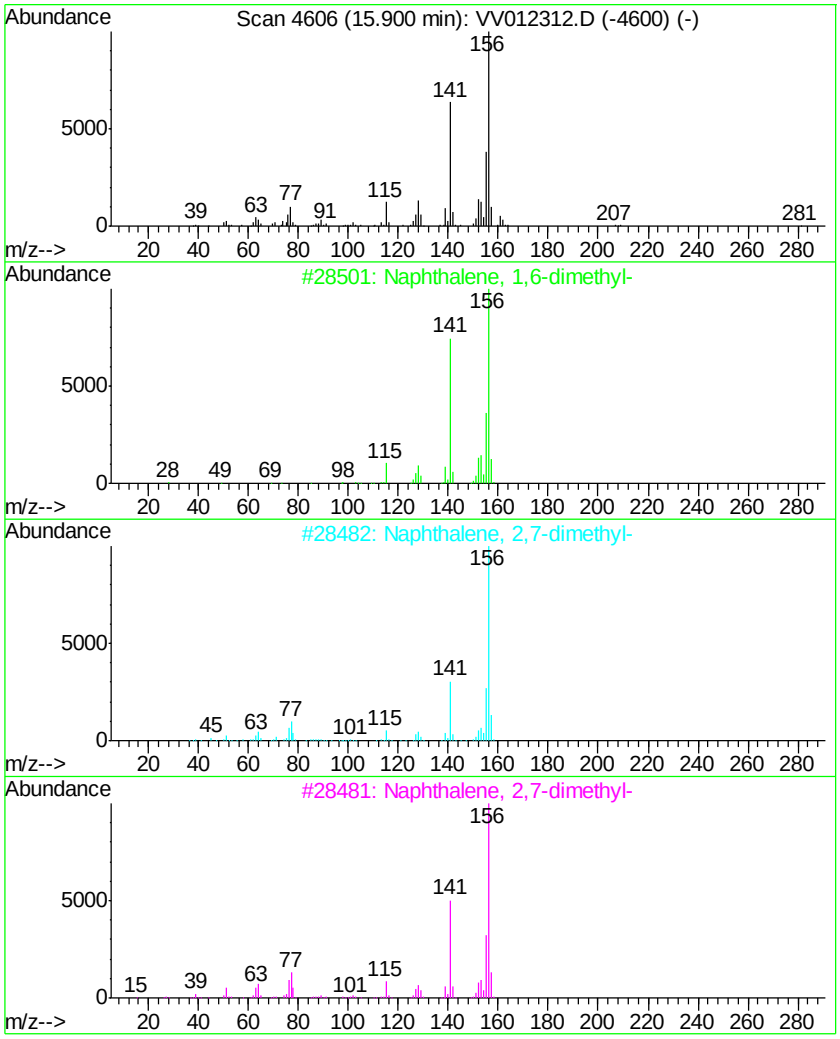
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

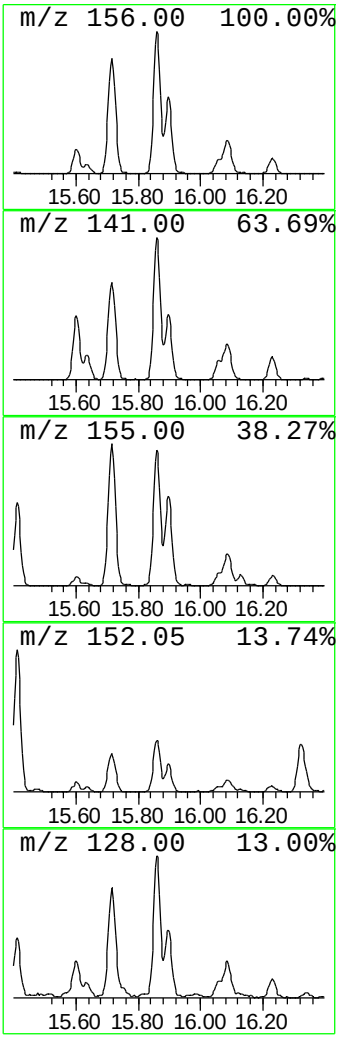
**********

Peak Number 19 Naphthalene, 1,6-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.90 | 3.17 ug/L | 290513 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Data File : VV012312.D
Acq On : 20 Aug 2019 15:06
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.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-... | 10.49 | 3.7 | ug/L | 343324 | 3 | 11.29 | 458819 | 5.0 |
| Benzofuran | 11.21 | 3.6 | ug/L | 328836 | 3 | 11.29 | 458819 | 5.0 |
| Benzene, 1,2,3-tr... | 11.38 | 3.0 | ug/L | 277350 | 3 | 11.29 | 458819 | 5.0 |
| Indane | 11.57 | 90.1 | ug/L | 8266490 | 3 | 11.29 | 458819 | 5.0 |
| Indene | 11.79 | 4.0 | ug/L | 368980 | 3 | 11.29 | 458819 | 5.0 |
| Benzene, 1-etheny... | 12.16 | 3.0 | ug/L | 277234 | 3 | 11.29 | 458819 | 5.0 |
| Benzofuran, 2-met... | 12.51 | 5.8 | ug/L | 530310 | 3 | 11.29 | 458819 | 5.0 |
| Benzene, 1-etheny... | 12.77 | 4.0 | ug/L | 362523 | 3 | 11.29 | 458819 | 5.0 |
| Benzene, 2-etheny... | 12.93 | 5.4 | ug/L | 497779 | 3 | 11.29 | 458819 | 5.0 |
| 1H-Indene, 1-methyl- | 13.10 | 4.9 | ug/L | 451251 | 3 | 11.29 | 458819 | 5.0 |
| Benzo[b]thiophene | 13.67 | 10.2 | ug/L | 932236 | 3 | 11.29 | 458819 | 5.0 |
| Naphthalene, 1-me... | 14.68 | 23.2 | ug/L | 2127080 | 3 | 11.29 | 458819 | 5.0 |
| Naphthalene, 2,6-... | 15.71 | 5.8 | ug/L | 535778 | 3 | 11.29 | 458819 | 5.0 |
| Naphthalene, 1,4-... | 15.86 | 6.6 | ug/L | 605049 | 3 | 11.29 | 458819 | 5.0 |
| Naphthalene, 1,6-... | 15.90 | 3.2 | ug/L | 290513 | 3 | 11.29 | 458819 | 5.0 |