LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

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\SOMVTR061720WMA.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 | 4.376 | 1004 | 1022 | 1046 | rBV | 132972 | 330581 | 1.02% | 0.290% |
| 2 | 5.074 | 1222 | 1239 | 1251 | rBV2 | 302290 | 737439 | 2.28% | 0.648% |
| 3 | 5.643 | 1397 | 1416 | 1438 | rBV | 226633 | 469745 | 1.45% | 0.413% |
| 4 | 6.097 | 1542 | 1557 | 1568 | rBV | 162933 | 337411 | 1.04% | 0.296% |
| 5 | 6.344 | 1615 | 1634 | 1665 | rBV | 15618022 | 32336787 | 100.00% | 28.416% |
| 6 | 6.955 | 1811 | 1824 | 1835 | rBV | 511579 | 917554 | 2.84% | 0.806% |
| 7 | 7.164 | 1871 | 1889 | 1916 | rBV | 16181855 | 30926093 | 95.64% | 27.176% |
| 8 | 7.338 | 1932 | 1943 | 1962 | rVB | 368960 | 623358 | 1.93% | 0.548% |
| 9 | 8.109 | 2171 | 2183 | 2208 | rBV2 | 339748 | 618895 | 1.91% | 0.544% |
| 10 | 8.871 | 2411 | 2420 | 2431 | rBV | 326547 | 507094 | 1.57% | 0.446% |
| 11 | 8.987 | 2446 | 2456 | 2467 | rBV | 412912 | 645651 | 2.00% | 0.567% |
| 12 | 9.762 | 2679 | 2697 | 2744 | rBV | 18243408 | 30722179 | 95.01% | 26.997% |
| 13 | 10.035 | 2772 | 2782 | 2790 | rBV | 445000 | 748914 | 2.32% | 0.658% |
| 14 | 10.376 | 2871 | 2888 | 2909 | rBV | 2978514 | 4453392 | 13.77% | 3.913% |
| 15 | 10.502 | 2914 | 2927 | 2951 | rVB | 2597145 | 4283092 | 13.25% | 3.764% |
| 16 | 11.116 | 3096 | 3118 | 3136 | rBV5 | 200124 | 433357 | 1.34% | 0.381% |
| 17 | 11.270 | 3156 | 3166 | 3182 | rVB | 379193 | 577507 | 1.79% | 0.507% |
| 18 | 11.550 | 3242 | 3253 | 3272 | rBV | 342801 | 642319 | 1.99% | 0.564% |
| 19 | 11.646 | 3273 | 3283 | 3303 | rVB | 403195 | 672481 | 2.08% | 0.591% |
| 20 | 11.942 | 3362 | 3375 | 3385 | rBV | 1806125 | 2814755 | 8.70% | 2.473% |

Sum of corrected areas: 113798604

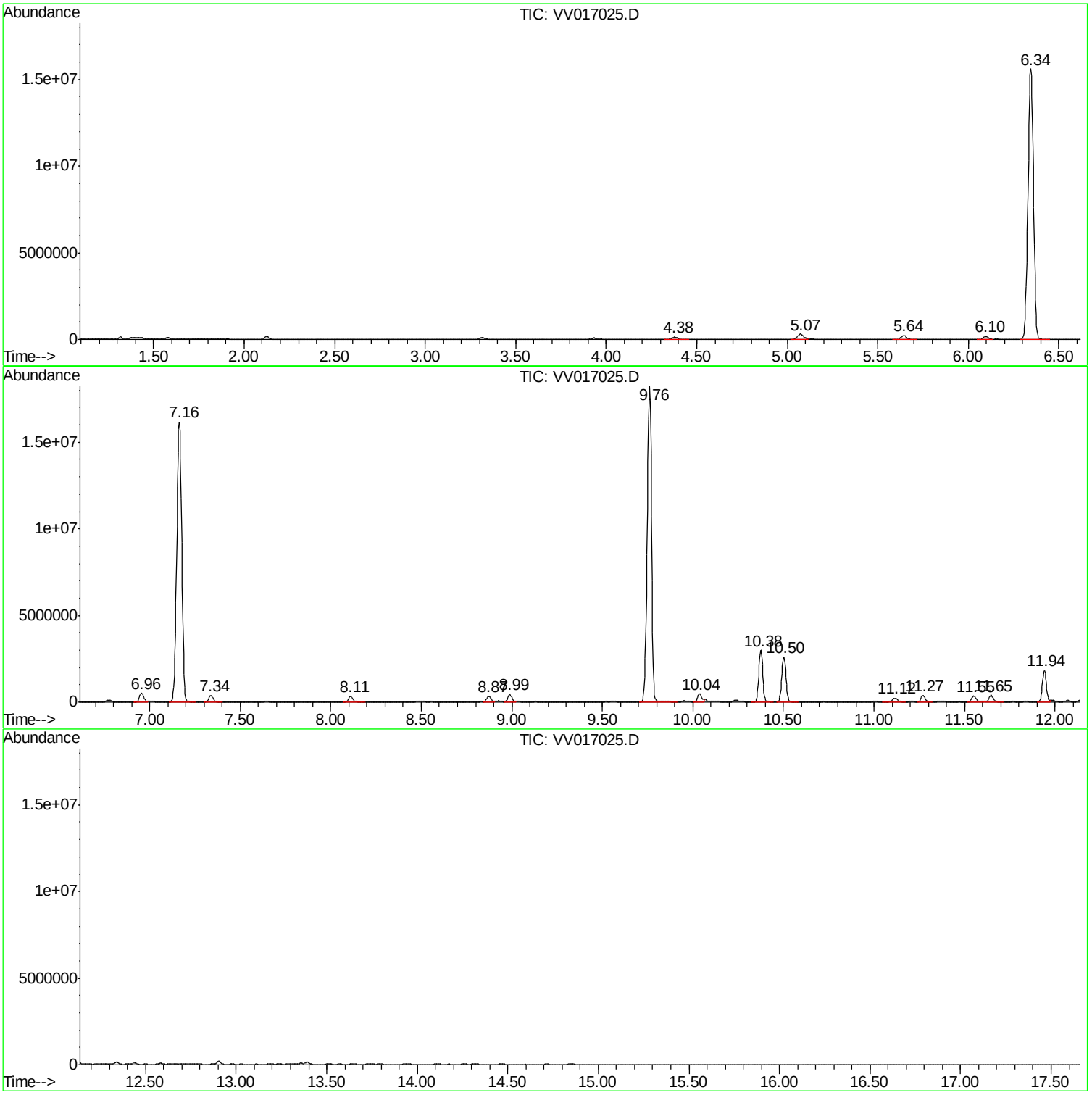
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

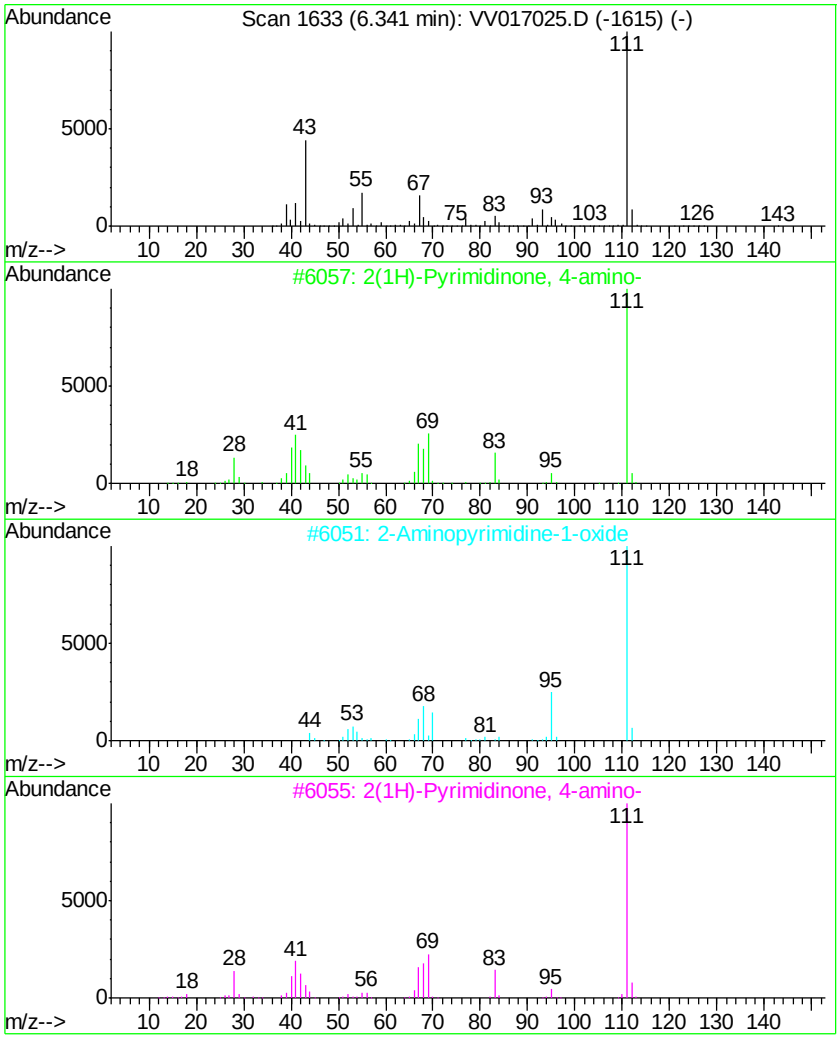
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

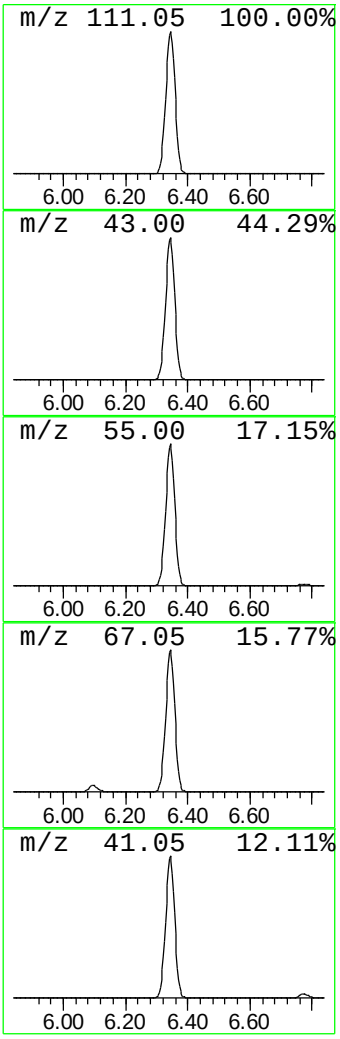
**********

Peak Number 1 2(1H)-Pyrimidinone, 4-amino- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.34 | 344.20 ug/L | 32336800 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)-Pyrimidinone, 4-amino- | 111 | C4H5N3O | 000071-30-7 | 64 |
| 2 | 2-Aminopyrimidine-1-oxide | 111 | C4H5N3O | 035034-15-2 | 64 |
| 3 | 2(1H)-Pyrimidinone, 4-amino- | 111 | C4H5N3O | 000071-30-7 | 50 |
| 4 | 2(1H)-Pyrimidinone, 4-amino- | 111 | C4H5N3O | 000071-30-7 | 50 |
| 5 | 2(1H)-Pyridinone, 3-hydroxy- | 111 | C5H5NO2 | 016867-04-2 | 45 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

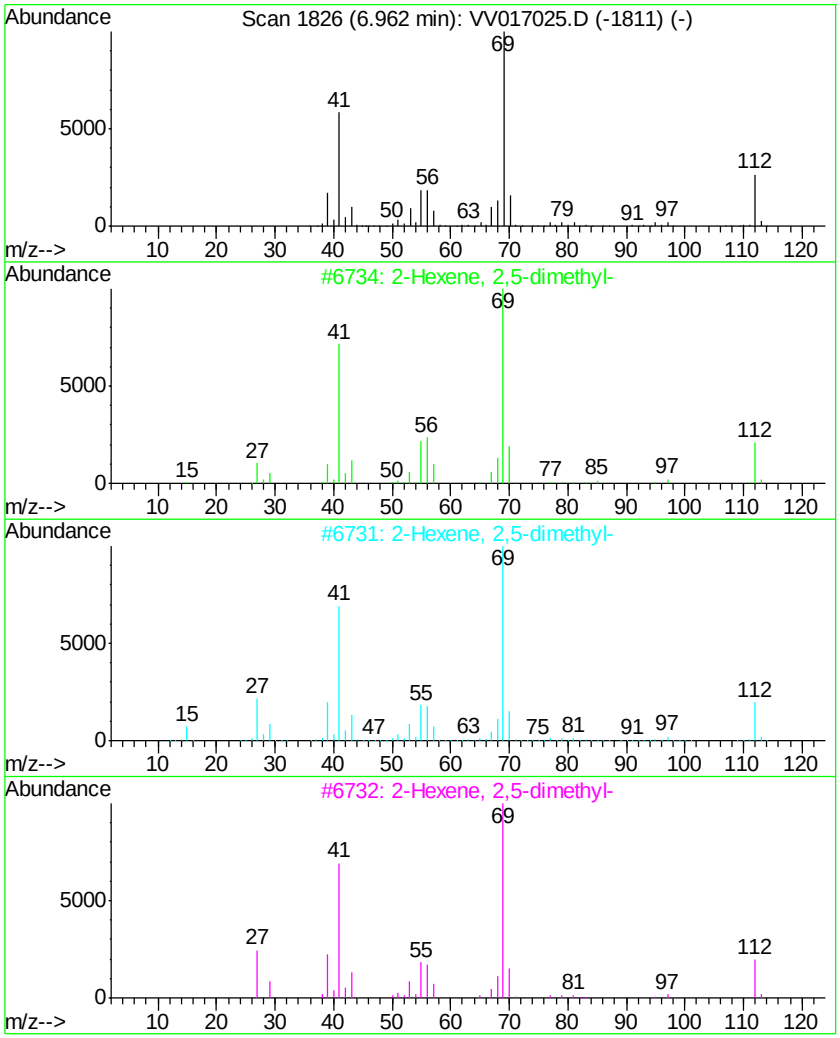
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

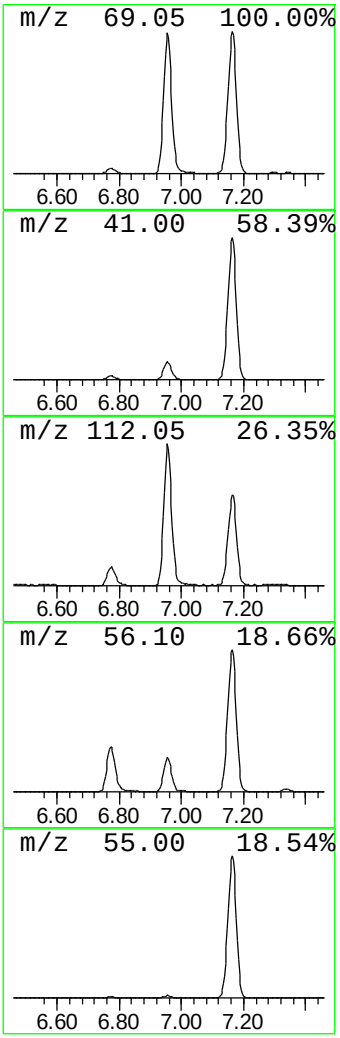
**********

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.96 | 9.77 ug/L | 917554 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 91 |
| 2 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 91 |
| 3 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 91 |
| 4 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 91 |
| 5 | 3-Hexene, 2,5-dimethyl-, (E)- | 112 | C8H16 | 000692-70-6 | 83 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

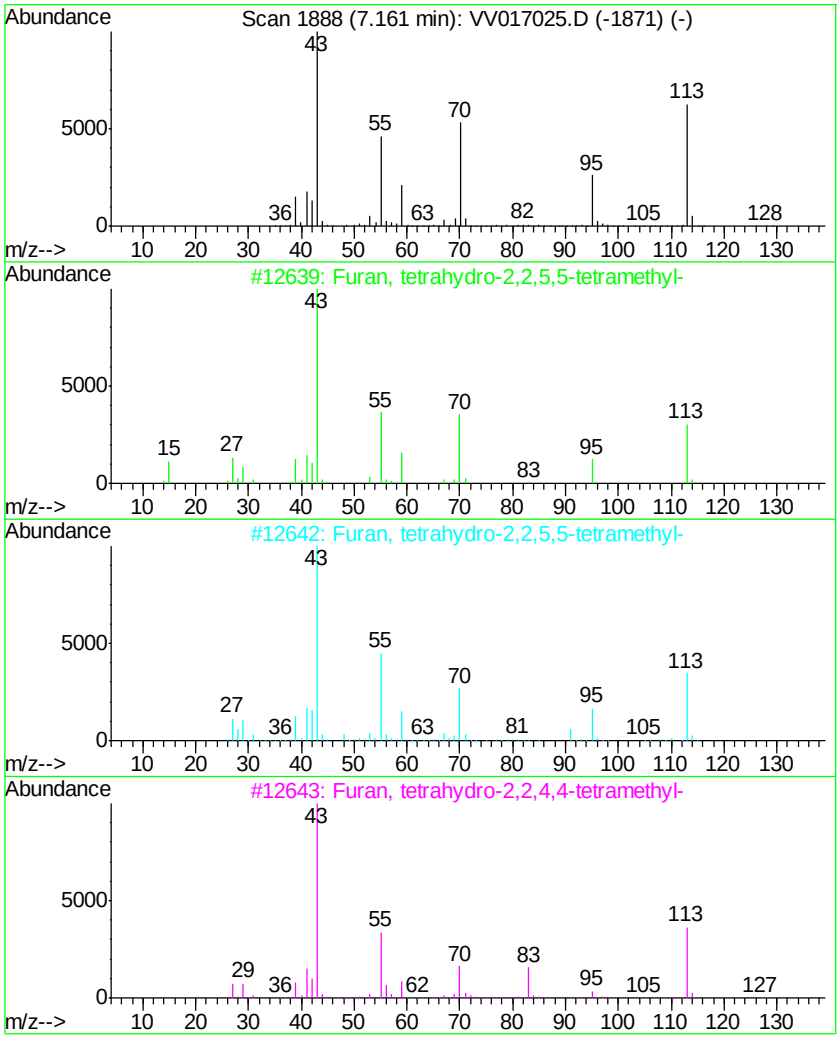
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

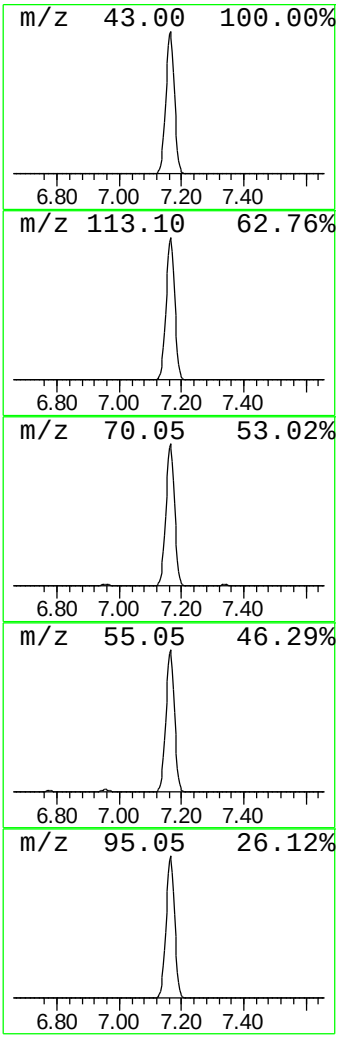
**********

Peak Number 3 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.16 | 329.18 ug/L | 30926100 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 64 |
| 2 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 56 |
| 3 | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O | 003358-28-9 | 53 |
| 4 | 4-Piperidinone, 1-methyl- | 113 | C6H11NO | 001445-73-4 | 50 |
| 5 | 1,3,5-Triazine-2,4(1H,3H)-dione | 113 | C3H3N3O2 | 000071-33-0 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

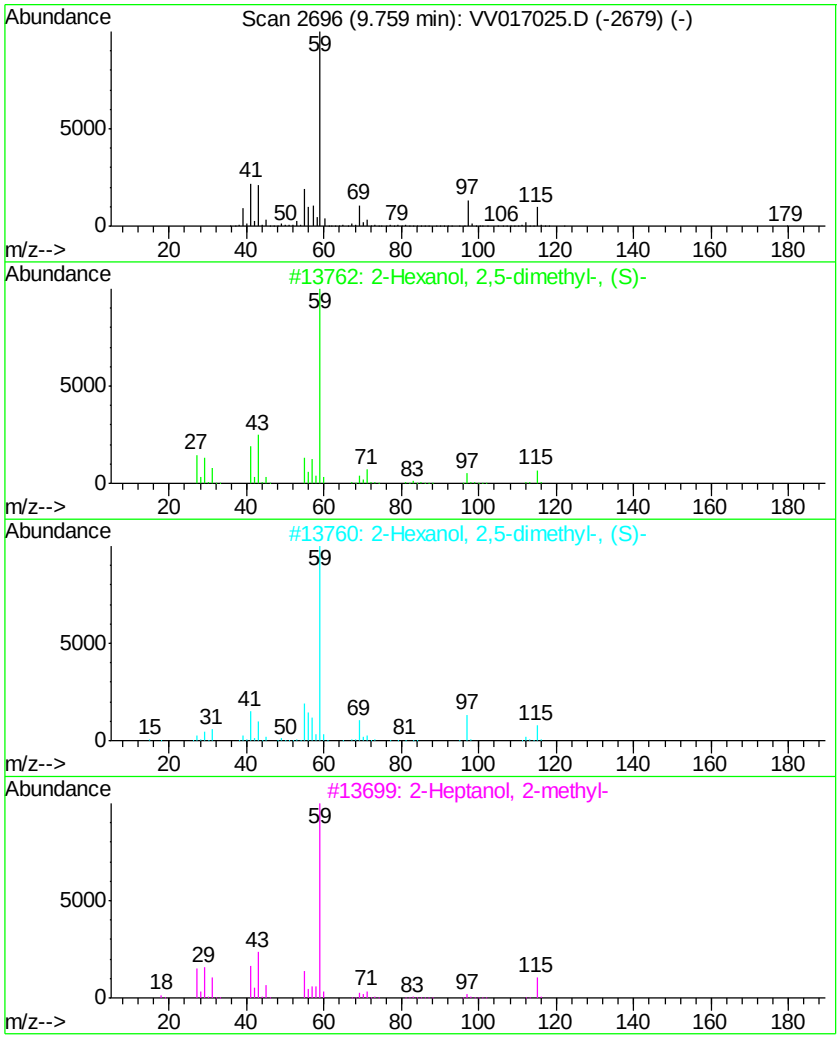
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

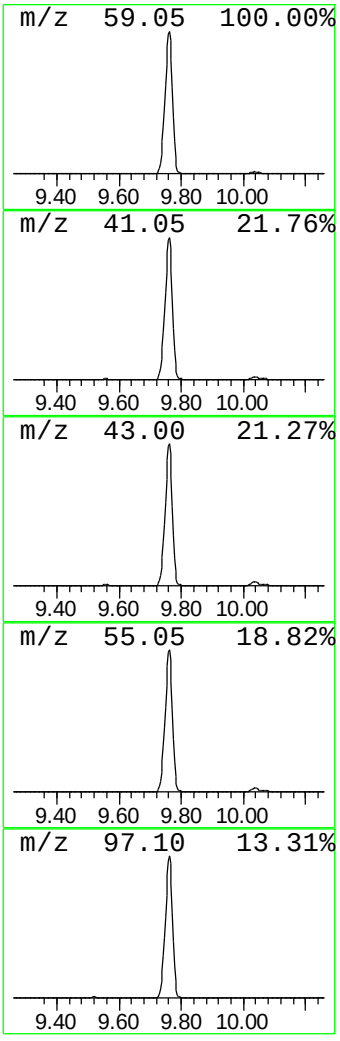
**********

Peak Number 4 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.76 | 302.92 ug/L | 30722200 | Chlorobenzene-d5 | 8.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol, 2,5-dimethyl-, (S)- | 130 | C8H18O | 003730-60-7 | 64 |
| 2 | 2-Hexanol, 2,5-dimethyl-, (S)- | 130 | C8H18O | 003730-60-7 | 53 |
| 3 | 2-Heptanol, 2-methyl- | 130 | C8H18O | 000625-25-2 | 45 |
| 4 | 2-Decanol, methyl ether | 172 | C11H24O | 1000333-83-9 | 42 |
| 5 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 42 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

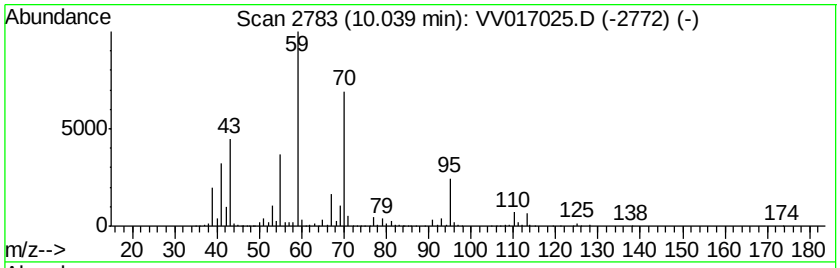
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

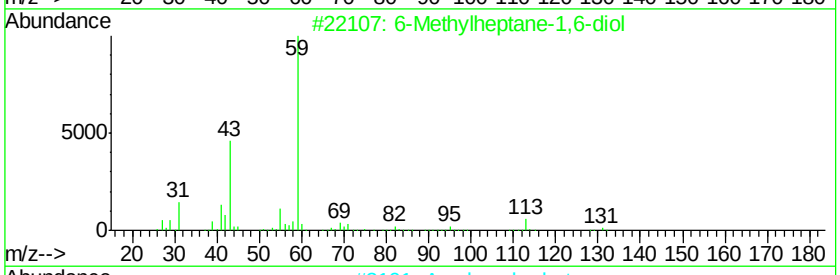
**********

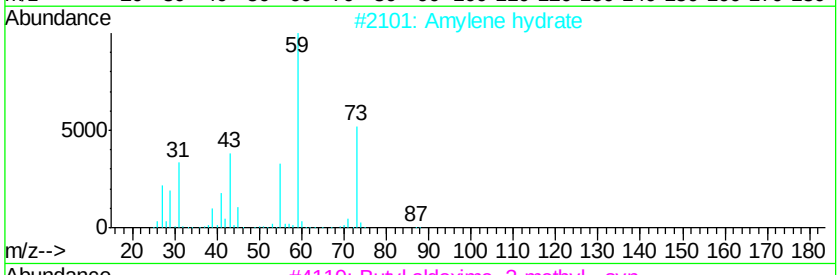
Peak Number 5 unknown-01 Concentration Rank 8

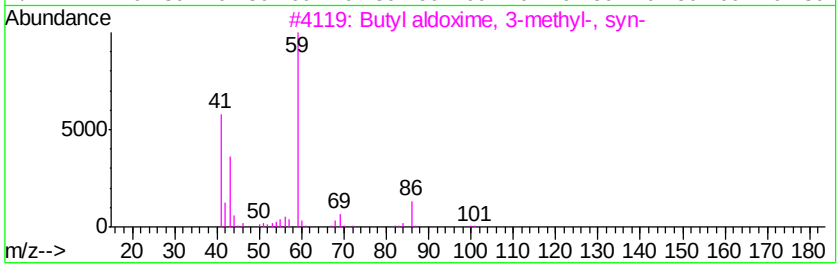
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.04 | 7.38 ug/L | 748914 | Chlorobenzene-d5 | 8.87 |

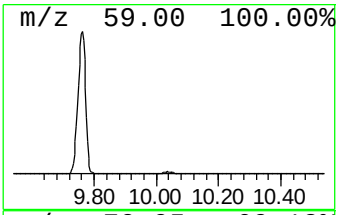
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Methylheptane-1,6-diol | 146 | C8H18O2 | 005392-57-4 | 25 |
| 2 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 25 |
| 3 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 23 |
| 4 | 2-Propanone, 1-cyclohexyl- | 140 | C9H16O | 000103-78-6 | 17 |
| 5 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 17 |

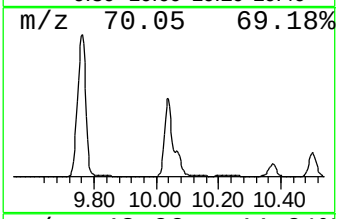


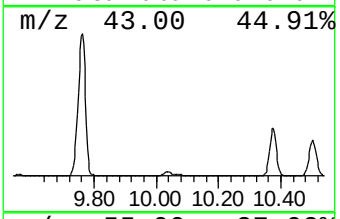



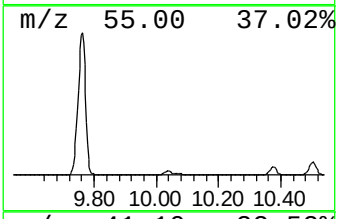



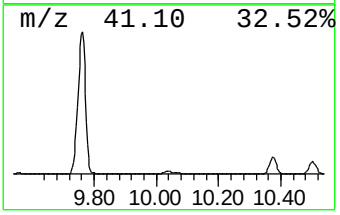



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

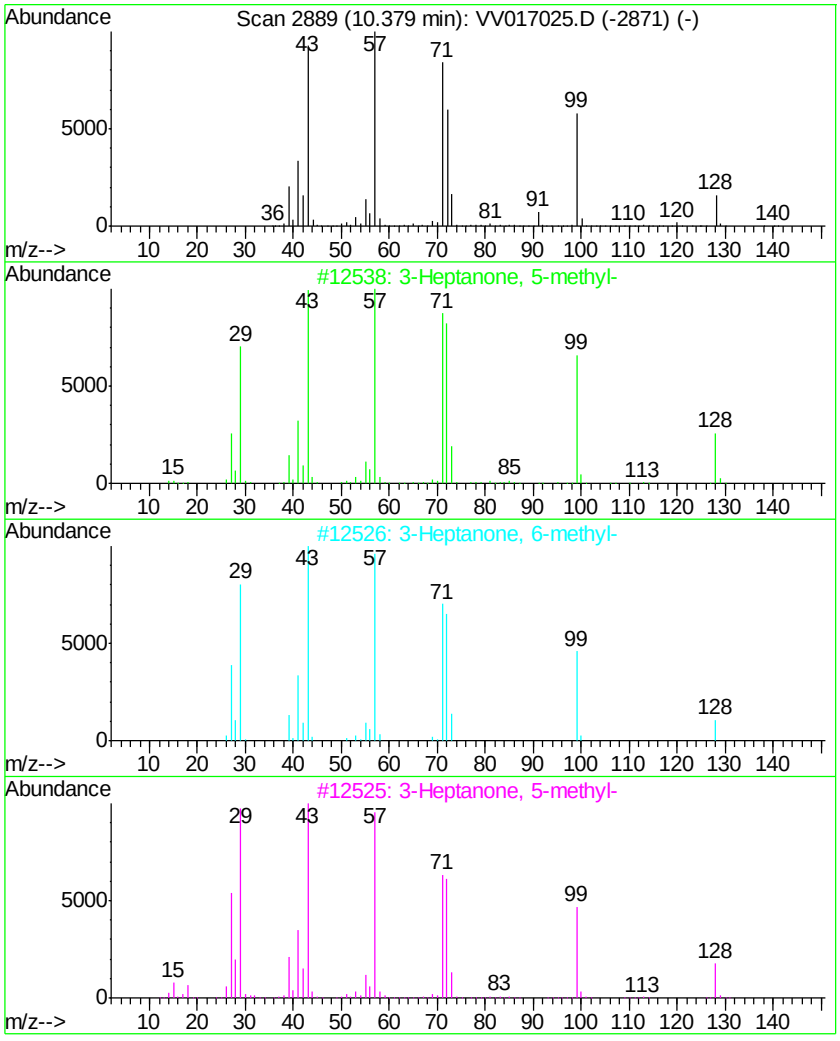
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

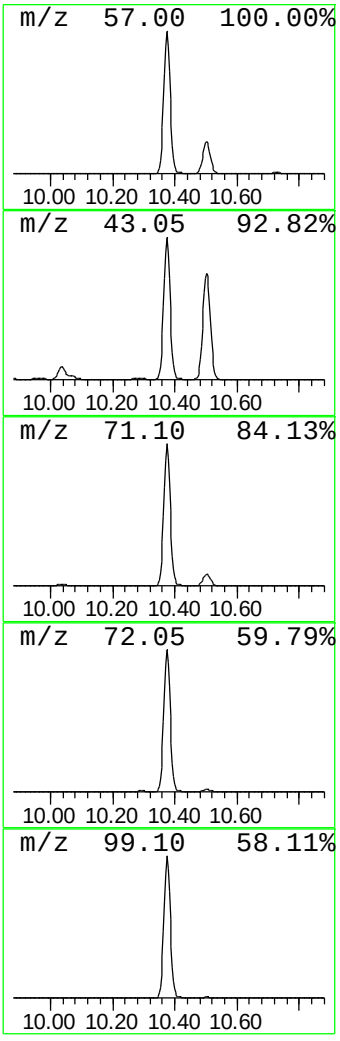
**********

Peak Number 6 3-Heptanone, 5-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.38 | 38.56 ug/L | 4453390 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 91 |
| 2 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 90 |
| 3 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 81 |
| 4 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 72 |
| 5 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 68 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

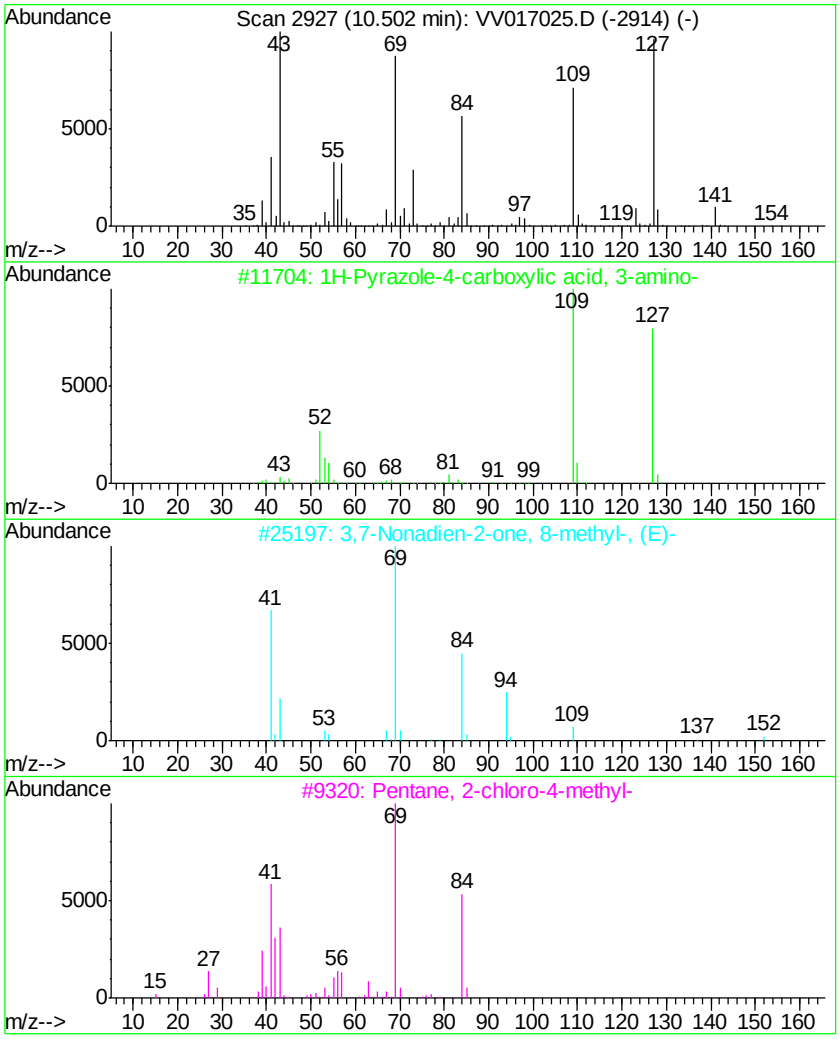
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

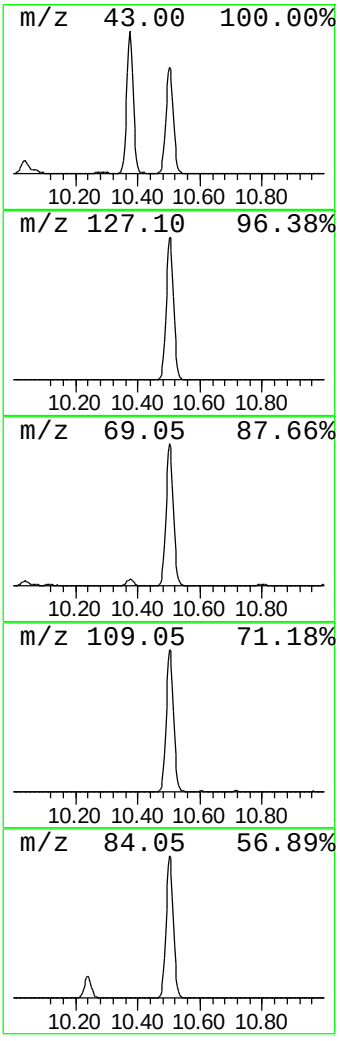
**********

Peak Number 7 unknown-02 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.50 | 37.08 ug/L | 4283090 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrazole-4-carboxylic acid, 3... | 127 | C4H5N3O2 | 041680-34-6 | 35 |
| 2 | 3,7-Nonadien-2-one, 8-methyl-, (E)- | 152 | C10H16O | 035408-14-1 | 35 |
| 3 | Pentane, 2-chloro-4-methyl- | 120 | C6H13Cl | 025346-32-1 | 27 |
| 4 | Pentane, 3-methylene- | 84 | C6H12 | 000760-21-4 | 27 |
| 5 | 4-Amino-2,6-dihydroxypyrimidine | 127 | C4H5N3O2 | 000873-83-6 | 22 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

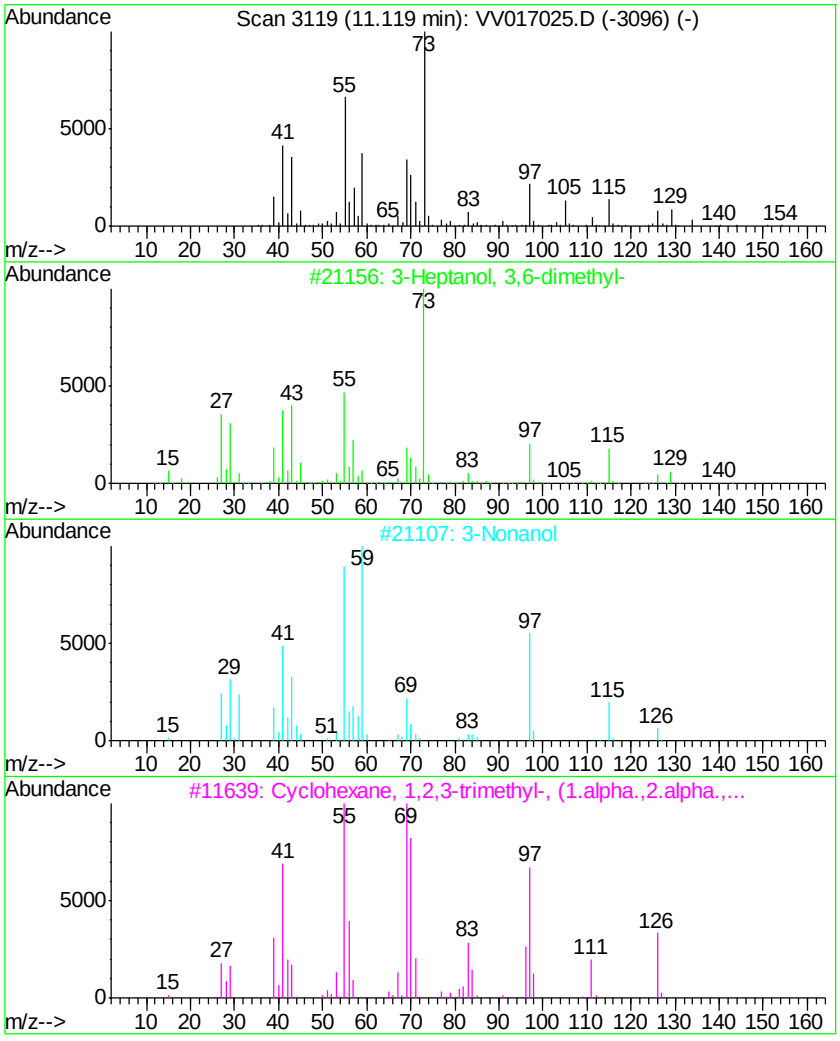
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

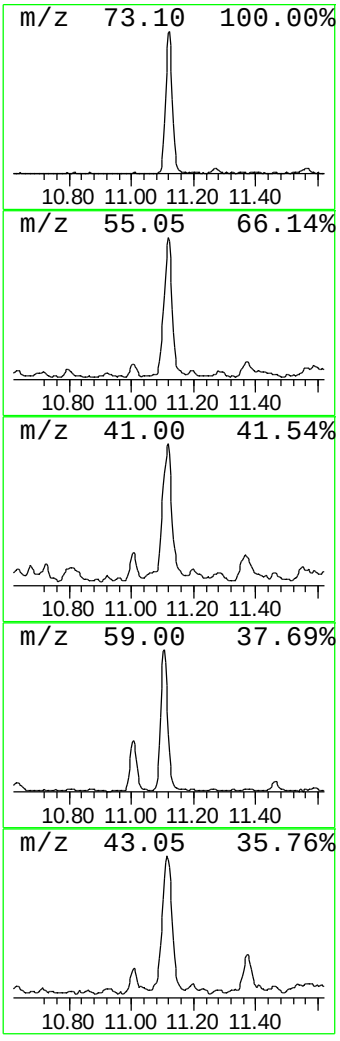
**********

Peak Number 8 unknown-03 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.12 | 3.75 ug/L | 433357 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Heptanol, 3,6-dimethyl- | 144 | C9H20O | 001573-28-0 | 32 |
| 2 | 3-Nonanol | 144 | C9H20O | 000624-51-1 | 32 |
| 3 | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18 | 001839-88-9 | 25 |
| 4 | 3-Nonanol | 144 | C9H20O | 000624-51-1 | 25 |
| 5 | 4-Decanol | 158 | C10H22O | 002051-31-2 | 22 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

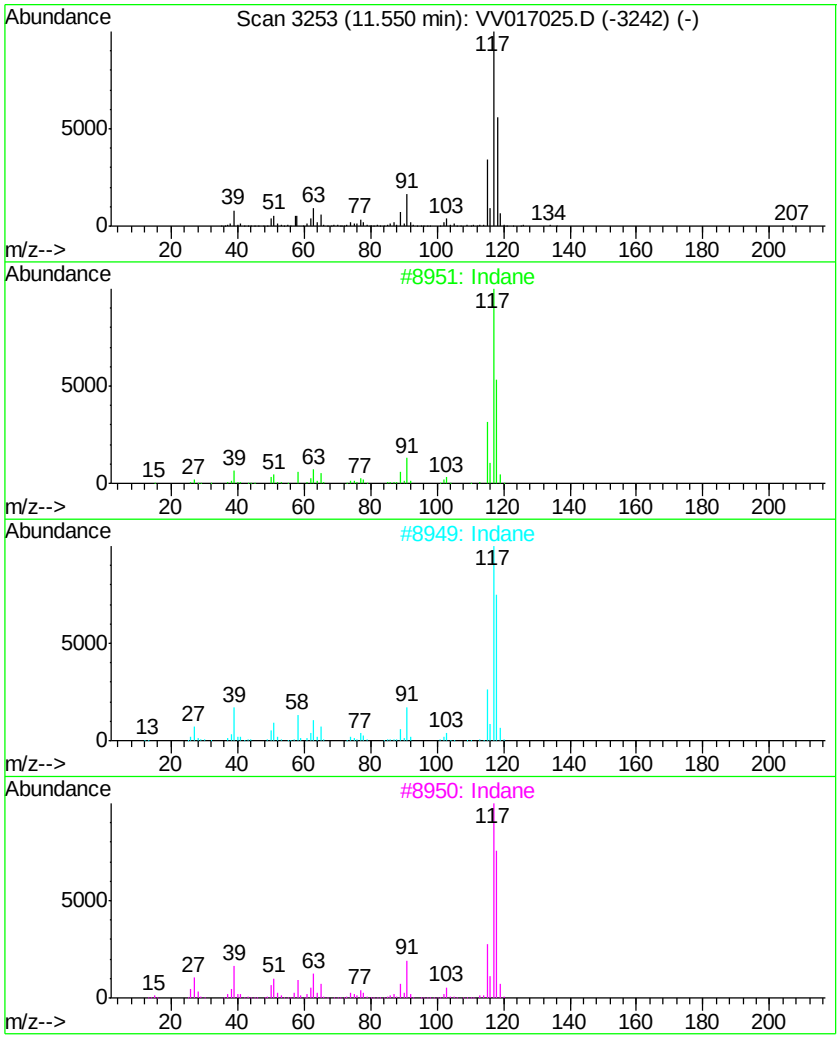
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

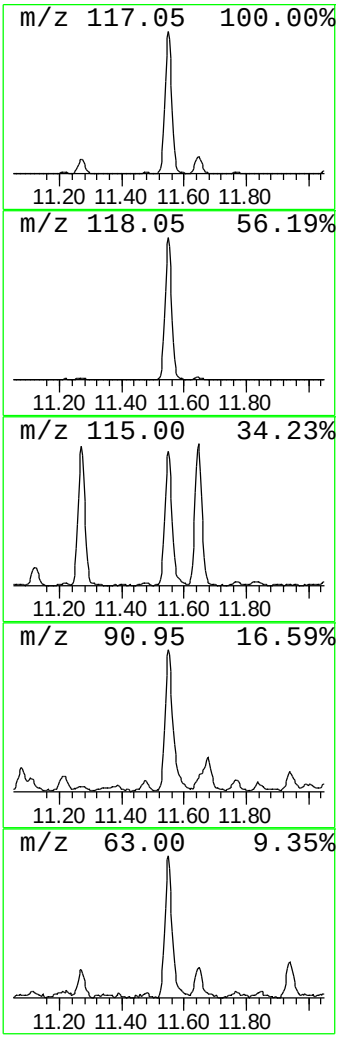
**********

Peak Number 9 Indane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.55 | 5.56 ug/L | 642319 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 90 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 81 |
| 5 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

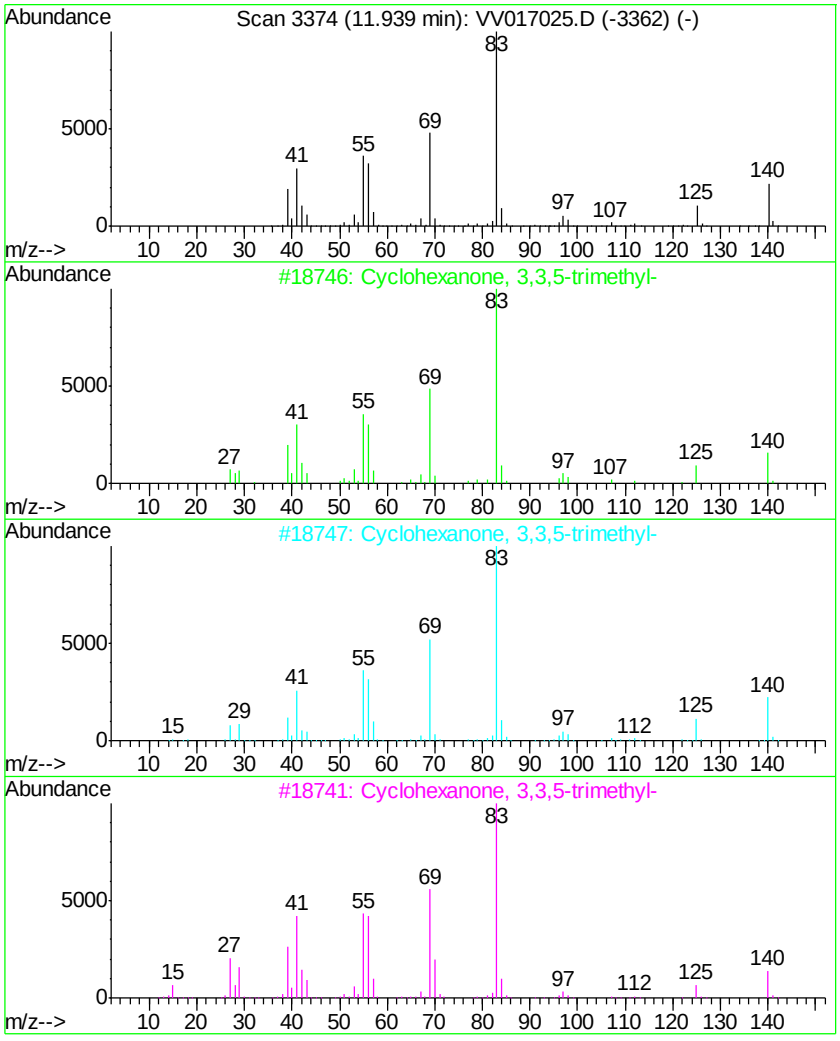
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

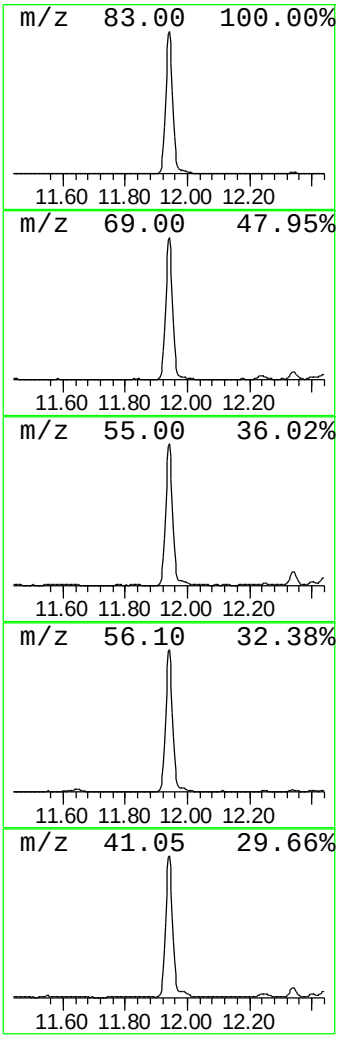
**********

Peak Number 10 Cyclohexanone, 3,3,5-trimet... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 24.37 ug/L | 2814760 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 97 |
| 2 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 96 |
| 3 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 91 |
| 4 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 86 |
| 5 | 1,3-Cyclohexanedione, 5,5-dimethyl- | 140 | C8H12O2 | 000126-81-8 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062320\
Data File : VV017025.D
Acq On : 22 Jun 2020 18:34
Operator : SY/MD
Sample : L3067-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXG1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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 |
| 2(1H)-Pyrimidinon... | 6.34 | 344.2 | ug/L | 32336800 | 1 | 5.64 | 469745 | 5.0 |
| (DEL) Alkane: Str... | 6.96 | 9.8 | ug/L | 917554 | 1 | 5.64 | 469745 | 5.0 |
| Furan, tetrahydro... | 7.16 | 329.2 | ug/L | 30926100 | 1 | 5.64 | 469745 | 5.0 |
| 2-Hexanol, 2,5-di... | 9.76 | 302.9 | ug/L | 30722200 | 2 | 8.87 | 507094 | 5.0 |
| unknown-01 | 10.04 | 7.4 | ug/L | 748914 | 2 | 8.87 | 507094 | 5.0 |
| 3-Heptanone, 5-me... | 10.38 | 38.6 | ug/L | 4453390 | 3 | 11.27 | 577507 | 5.0 |
| unknown-02 | 10.50 | 37.1 | ug/L | 4283090 | 3 | 11.27 | 577507 | 5.0 |
| unknown-03 | 11.12 | 3.8 | ug/L | 433357 | 3 | 11.27 | 577507 | 5.0 |
| Indane | 11.55 | 5.6 | ug/L | 642319 | 3 | 11.27 | 577507 | 5.0 |
| Cyclohexanone, 3,... | 11.94 | 24.4 | ug/L | 2814760 | 3 | 11.27 | 577507 | 5.0 |