LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

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\SOMVTR052620WMA.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 | 1.315 | 61 | 70 | 78 | rBV | 47127 | 52268 | 3.47% | 0.693% |
| 2 | 1.438 | 91 | 108 | 109 | rBV | 21748 | 44584 | 2.96% | 0.591% |
| 3 | 1.579 | 147 | 152 | 167 | rVB2 | 41062 | 65967 | 4.39% | 0.874% |
| 4 | 1.968 | 265 | 273 | 289 | rVB | 37001 | 53940 | 3.59% | 0.715% |
| 5 | 2.122 | 312 | 321 | 336 | rVB | 70158 | 102701 | 6.83% | 1.361% |
| 6 | 2.547 | 435 | 453 | 466 | rBV | 25268 | 59314 | 3.94% | 0.786% |
| 7 | 2.775 | 512 | 524 | 543 | rVB | 57865 | 112529 | 7.48% | 1.492% |
| 8 | 3.058 | 601 | 612 | 631 | rVB2 | 20456 | 44118 | 2.93% | 0.585% |
| 9 | 3.319 | 675 | 693 | 724 | rVB | 207950 | 491428 | 32.67% | 6.514% |
| 10 | 3.785 | 820 | 838 | 858 | rBV2 | 79564 | 202844 | 13.48% | 2.689% |
| 11 | 3.955 | 874 | 891 | 932 | rBV2 | 28787 | 131884 | 8.77% | 1.748% |
| 12 | 4.380 | 1004 | 1023 | 1061 | rBV | 58468 | 160395 | 10.66% | 2.126% |
| 13 | 4.701 | 1108 | 1123 | 1139 | rBV2 | 10217 | 25285 | 1.68% | 0.335% |
| 14 | 5.074 | 1222 | 1239 | 1244 | rBV3 | 140572 | 294313 | 19.57% | 3.901% |
| 15 | 5.122 | 1244 | 1254 | 1281 | rVV | 684853 | 1504279 | 100.00% | 19.939% |
| 16 | 5.248 | 1282 | 1293 | 1311 | rVB8 | 10350 | 27891 | 1.85% | 0.370% |
| 17 | 5.643 | 1402 | 1416 | 1439 | rBV | 122334 | 243317 | 16.17% | 3.225% |
| 18 | 6.097 | 1545 | 1557 | 1570 | rBV2 | 75493 | 157894 | 10.50% | 2.093% |
| 19 | 7.010 | 1829 | 1841 | 1862 | rBV | 35136 | 64916 | 4.32% | 0.860% |
| 20 | 7.338 | 1931 | 1943 | 1956 | rBV | 160763 | 274263 | 18.23% | 3.635% |
| 21 | 7.412 | 1956 | 1966 | 1979 | rVB | 66603 | 111326 | 7.40% | 1.476% |
| 22 | 7.646 | 2029 | 2039 | 2059 | rBV | 20364 | 40658 | 2.70% | 0.539% |
| 23 | 8.116 | 2174 | 2185 | 2217 | rBV | 169316 | 320311 | 21.29% | 4.246% |
| 24 | 8.875 | 2410 | 2421 | 2424 | rBV | 197024 | 284131 | 18.89% | 3.766% |
| 25 | 8.900 | 2424 | 2429 | 2456 | rVB | 331321 | 550075 | 36.57% | 7.291% |
| 26 | 9.035 | 2462 | 2471 | 2480 | rBV2 | 18231 | 27765 | 1.85% | 0.368% |
| 27 | 9.161 | 2494 | 2510 | 2523 | rVB | 45563 | 80074 | 5.32% | 1.061% |
| 28 | 9.566 | 2627 | 2636 | 2656 | rVB2 | 13247 | 24169 | 1.61% | 0.320% |
| 29 | 9.952 | 2745 | 2756 | 2767 | rBV | 19452 | 30810 | 2.05% | 0.408% |
| 30 | 10.238 | 2826 | 2845 | 2858 | rBV2 | 56282 | 103589 | 6.89% | 1.373% |
| 31 | 10.376 | 2875 | 2888 | 2902 | rBV4 | 21942 | 40148 | 2.67% | 0.532% |
| 32 | 10.505 | 2920 | 2928 | 2938 | rVB2 | 24282 | 43120 | 2.87% | 0.572% |
| 33 | 10.759 | 2996 | 3007 | 3022 | rVB | 50333 | 79269 | 5.27% | 1.051% |
| 34 | 10.936 | 3054 | 3062 | 3075 | rVB2 | 12470 | 21131 | 1.40% | 0.280% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

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\SOMVTR052620WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.109 | 3111 | 3116 | 3128 | rVB2 | 9908 | 16567 | 1.10% | 0.220% |
| 36 | 11.270 | 3155 | 3166 | 3186 | rBV2 | 196660 | 381419 | 25.36% | 5.056% |
| 37 | 11.366 | 3186 | 3196 | 3210 | rVB5 | 13362 | 28123 | 1.87% | 0.373% |
| 38 | 11.550 | 3243 | 3253 | 3269 | rBV2 | 77187 | 136147 | 9.05% | 1.805% |
| 39 | 11.649 | 3269 | 3284 | 3302 | rVB3 | 187788 | 377054 | 25.07% | 4.998% |
| 40 | 12.038 | 3387 | 3405 | 3410 | rBV2 | 20302 | 38523 | 2.56% | 0.511% |
| 41 | 12.067 | 3410 | 3414 | 3424 | rVB5 | 16756 | 24819 | 1.65% | 0.329% |
| 42 | 12.344 | 3485 | 3500 | 3510 | rVV4 | 41479 | 102197 | 6.79% | 1.355% |
| 43 | 12.405 | 3512 | 3519 | 3522 | rVV3 | 13758 | 18617 | 1.24% | 0.247% |
| 44 | 12.434 | 3522 | 3528 | 3540 | rVV | 27607 | 47429 | 3.15% | 0.629% |
| 45 | 12.572 | 3559 | 3571 | 3580 | rVB3 | 10163 | 17146 | 1.14% | 0.227% |
| 46 | 12.707 | 3593 | 3613 | 3620 | rBV3 | 16663 | 32830 | 2.18% | 0.435% |
| 47 | 12.903 | 3665 | 3674 | 3682 | rVB3 | 17202 | 25810 | 1.72% | 0.342% |
| 48 | 13.292 | 3786 | 3795 | 3801 | rBV4 | 12761 | 20059 | 1.33% | 0.266% |
| 49 | 13.357 | 3801 | 3815 | 3822 | rVV3 | 26580 | 64829 | 4.31% | 0.859% |
| 50 | 13.392 | 3822 | 3826 | 3834 | rVB2 | 16538 | 20229 | 1.34% | 0.268% |
| 51 | 13.524 | 3855 | 3867 | 3875 | rBV7 | 11141 | 25013 | 1.66% | 0.332% |
| 52 | 13.636 | 3893 | 3902 | 3915 | rVB2 | 23782 | 38267 | 2.54% | 0.507% |
| 53 | 13.730 | 3915 | 3931 | 3943 | rBV3 | 27227 | 54097 | 3.60% | 0.717% |
| 54 | 14.125 | 4041 | 4054 | 4062 | rBV7 | 8952 | 17937 | 1.19% | 0.238% |
| 55 | 14.257 | 4087 | 4095 | 4104 | rVB2 | 16948 | 25241 | 1.68% | 0.335% |
| 56 | 14.318 | 4106 | 4114 | 4124 | rBV6 | 12310 | 21524 | 1.43% | 0.285% |
| 57 | 14.469 | 4149 | 4161 | 4172 | rBV4 | 12360 | 25328 | 1.68% | 0.336% |
| 58 | 14.707 | 4227 | 4235 | 4253 | rVB10 | 14919 | 34596 | 2.30% | 0.459% |
| 59 | 14.852 | 4265 | 4280 | 4290 | rVB7 | 19154 | 43013 | 2.86% | 0.570% |
| 60 | 15.366 | 4425 | 4440 | 4453 | rVB10 | 7636 | 21687 | 1.44% | 0.287% |
| 61 | 16.337 | 4734 | 4742 | 4750 | rVB | 11427 | 15046 | 1.00% | 0.199% |

Sum of corrected areas: 7544253

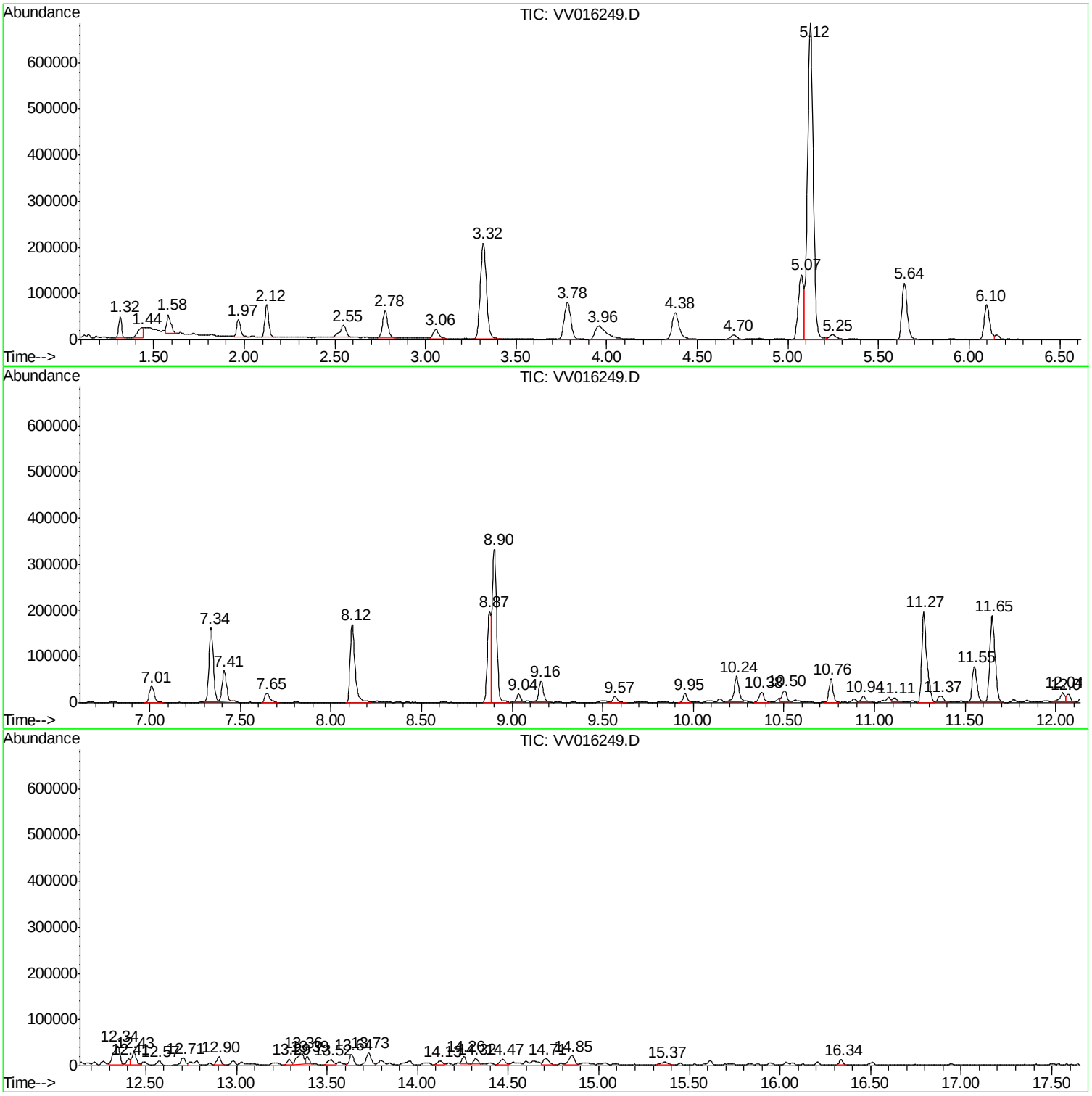
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

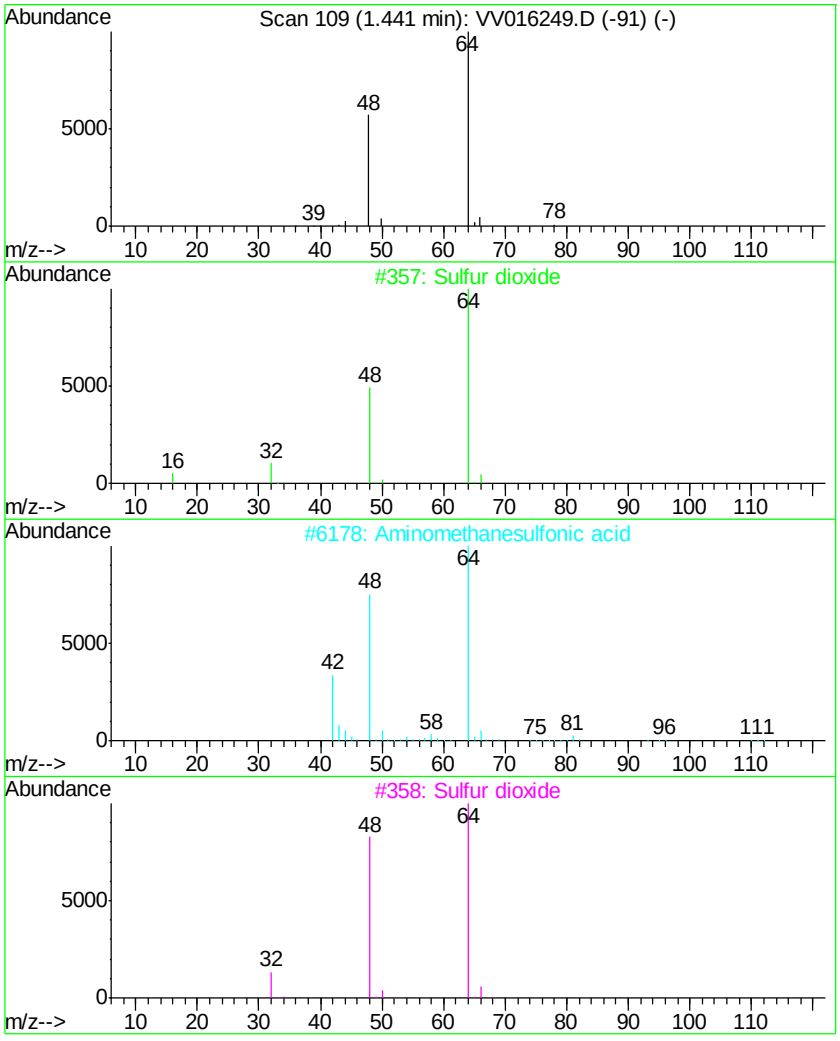
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

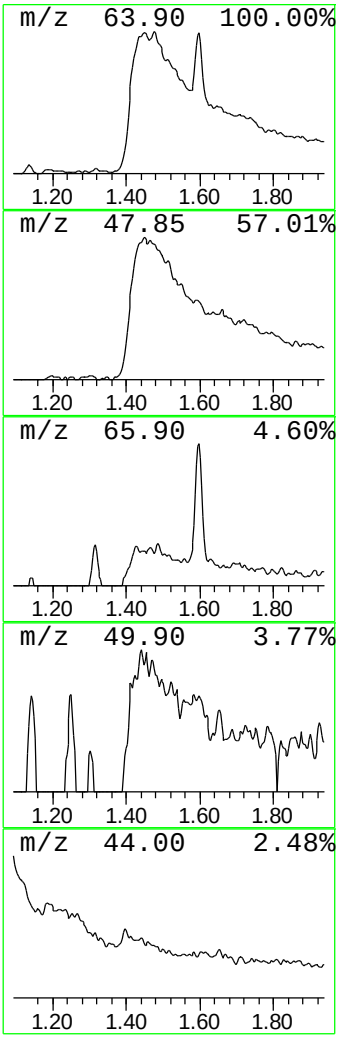
**********

Peak Number 1 Sulfur dioxide Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.44 | 0.92 ug/L | 44584 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 90 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 83 |
| 3 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 83 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64 |
| 5 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

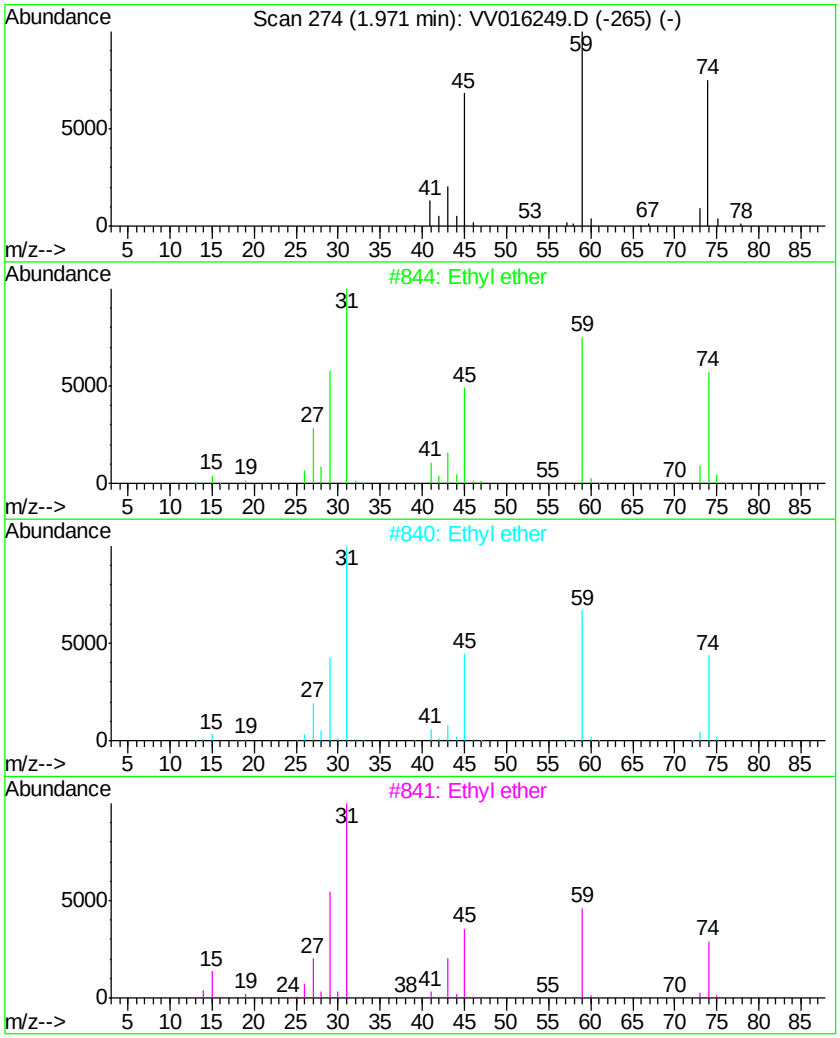
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

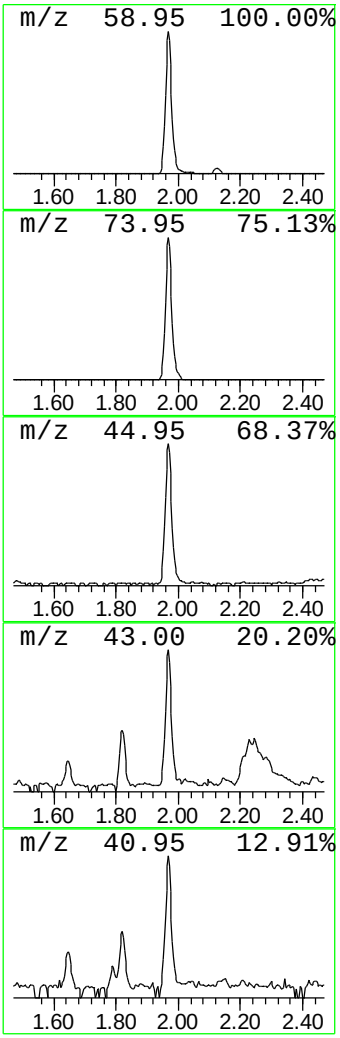
**********

Peak Number 2 Ethyl ether Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.97 | 1.11 ug/L | 53940 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 2 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 3 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 4 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 83 |
| 5 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

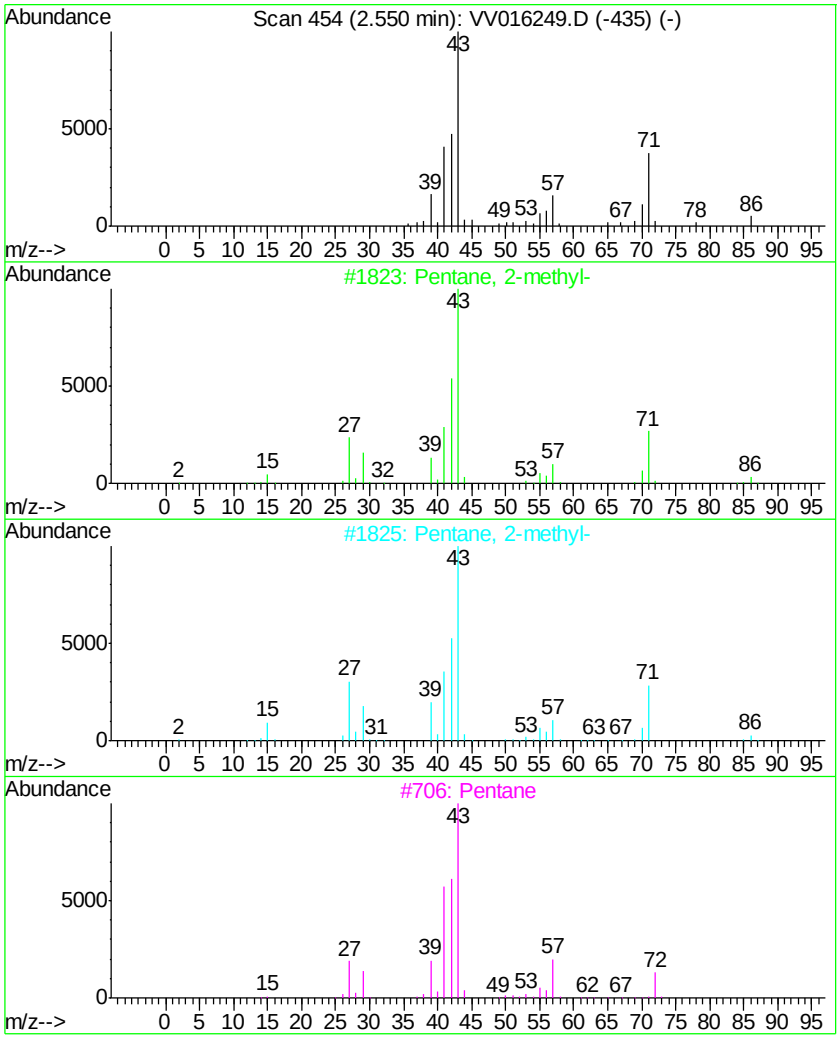
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

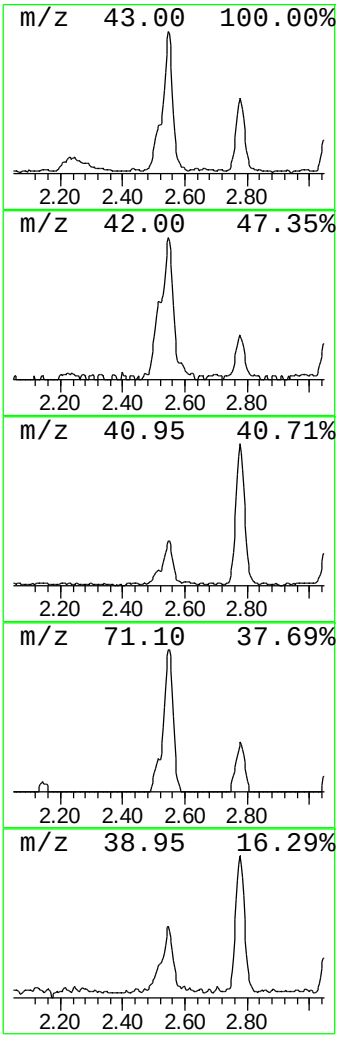
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.55 | 1.22 ug/L | 59314 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 90 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 47 |
| 4 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 43 |
| 5 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 40 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

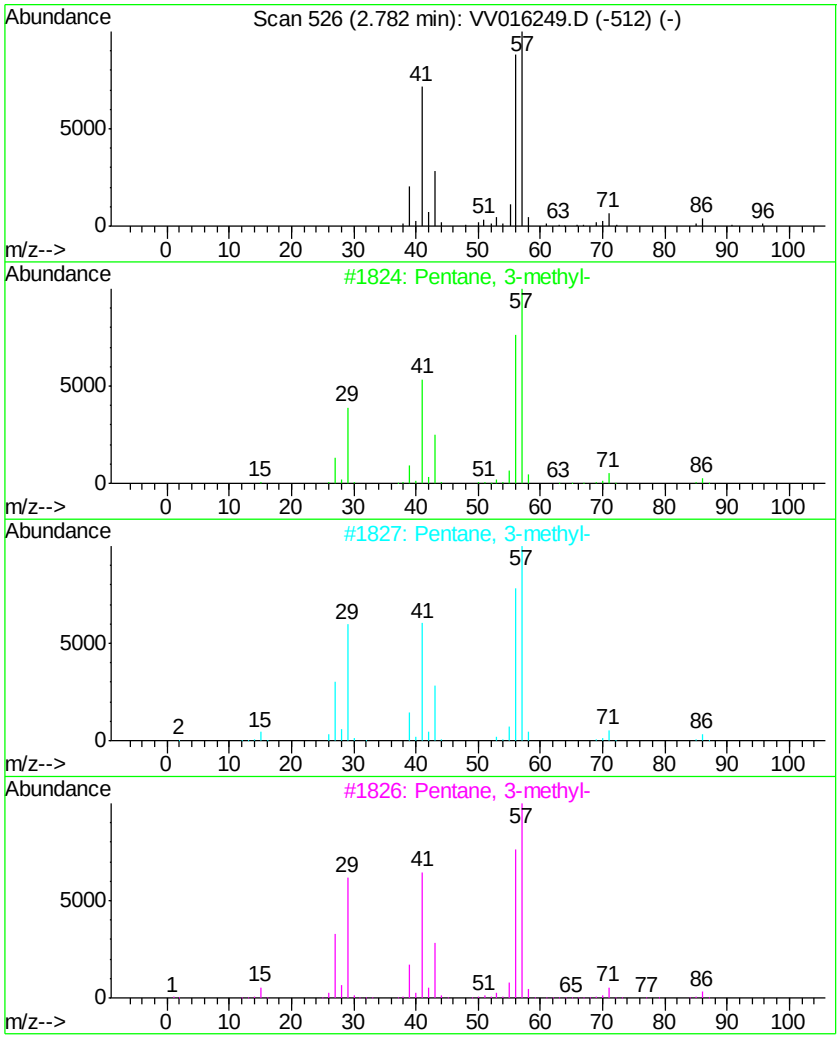
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

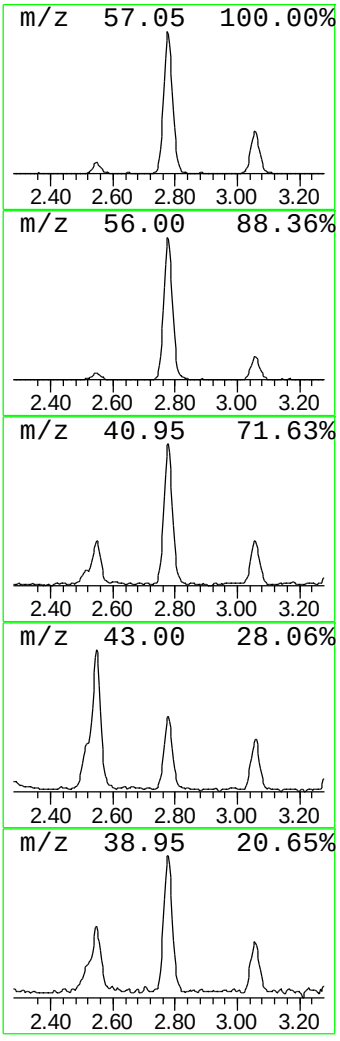
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.78 | 2.31 ug/L | 112529 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 3 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 90 |
| 4 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 78 |
| 5 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 78 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

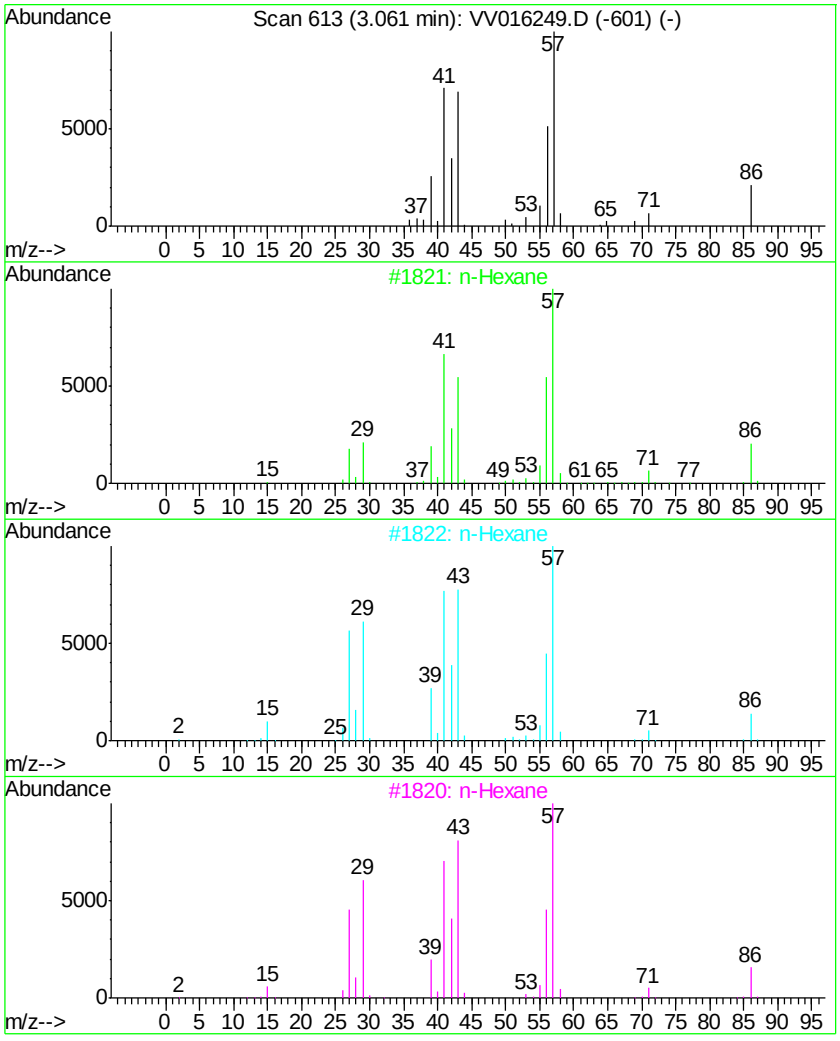
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

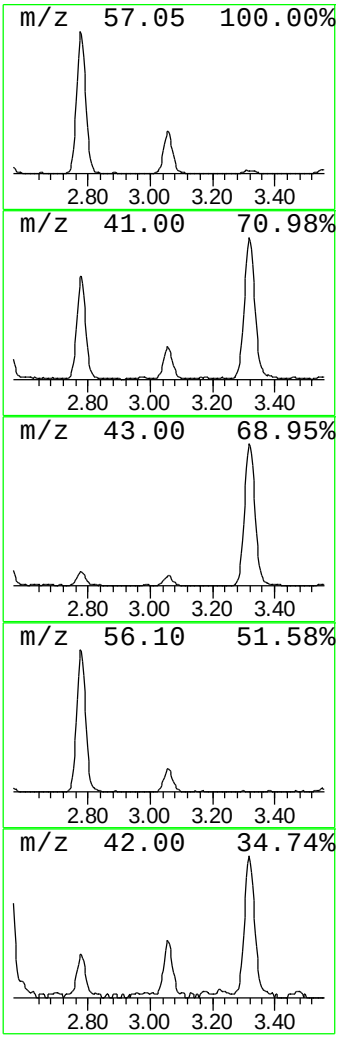
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.06 | 0.91 ug/L | 44118 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 2 | n-Hexane | 86 | C6H14 | 000110-54-3 | 78 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 78 |
| 4 | Propanal, 2,2-dimethyl- | 86 | C5H10O | 000630-19-3 | 38 |
| 5 | Hydroperoxide, hexyl | 118 | C6H14O2 | 004312-76-9 | 28 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

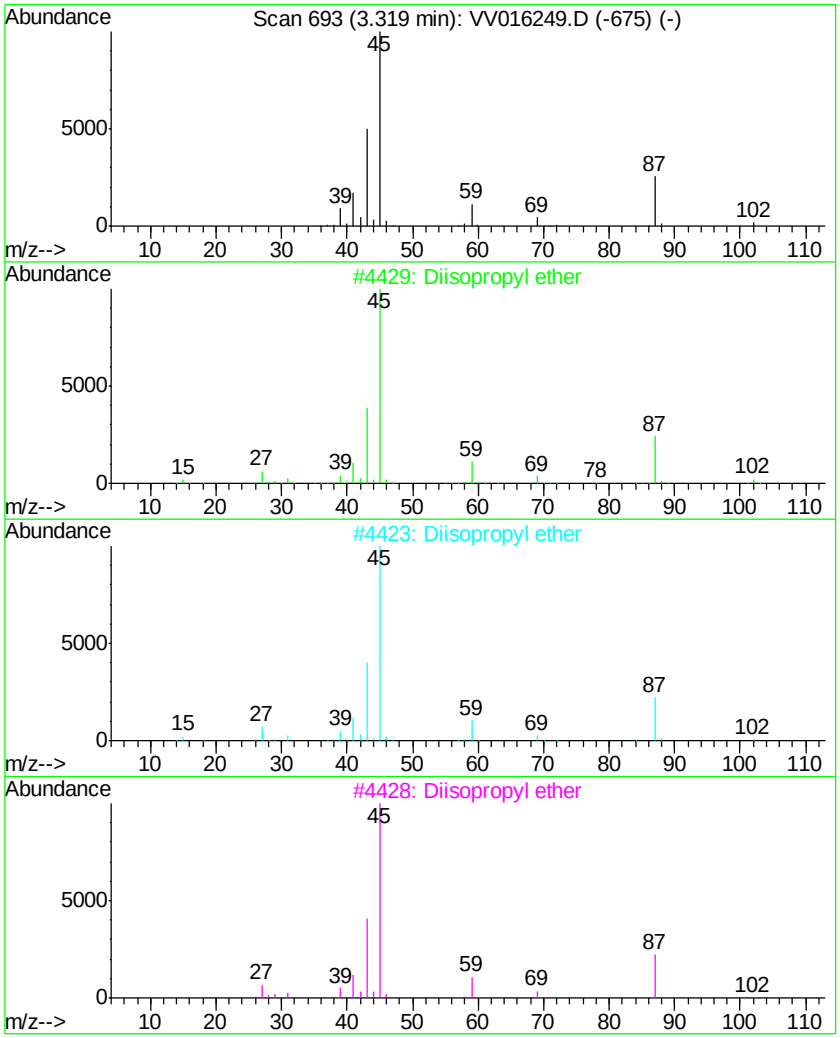
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

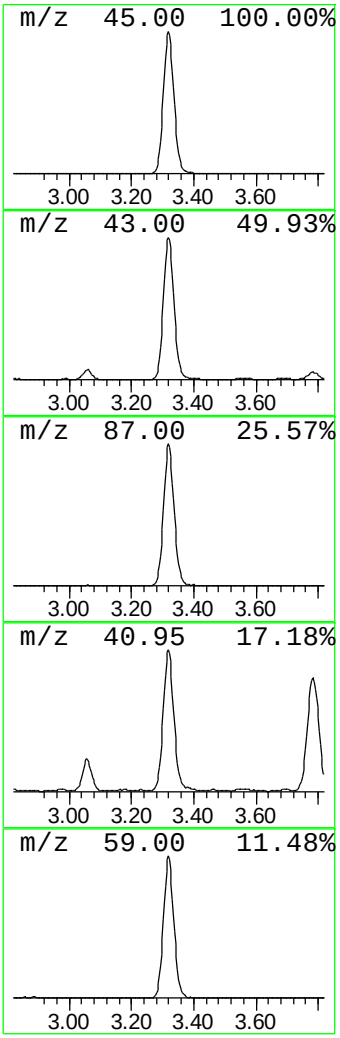
**********

Peak Number 6 Diisopropyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.32 | 10.10 ug/L | 491428 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 91 |
| 2 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 83 |
| 4 | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 78 |
| 5 | Ether, sec-butyl isopropyl | 116 | C7H16O | 018641-81-1 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

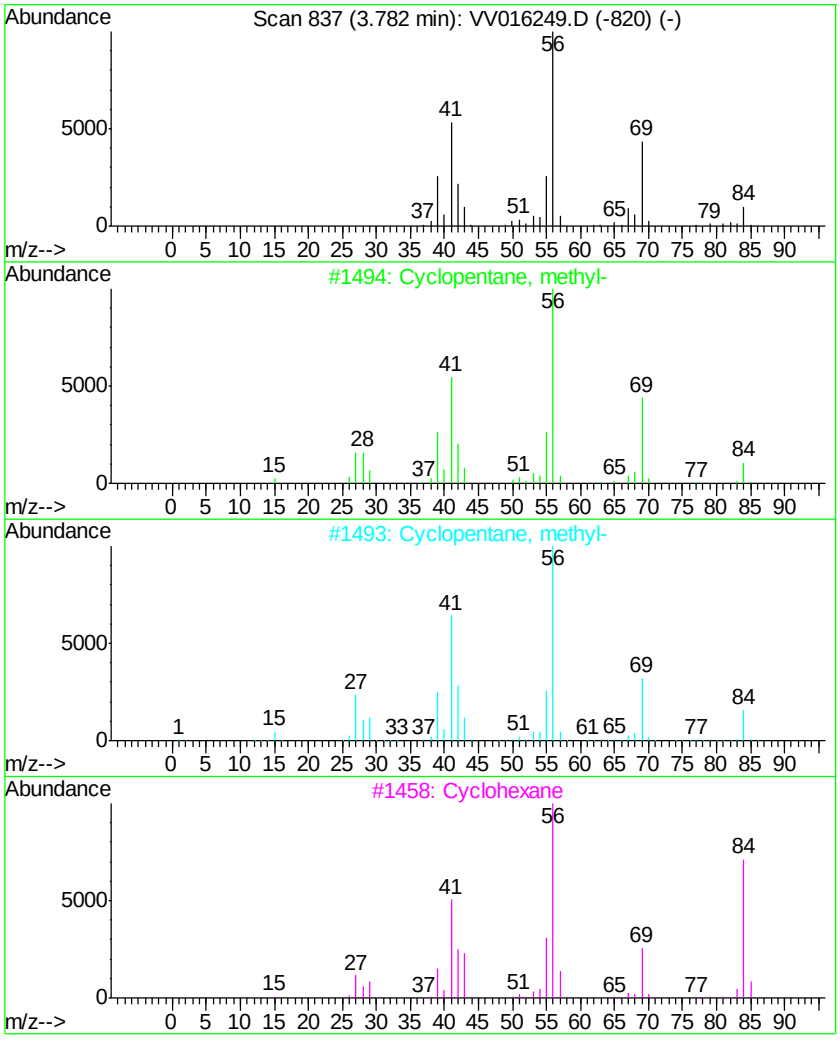
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

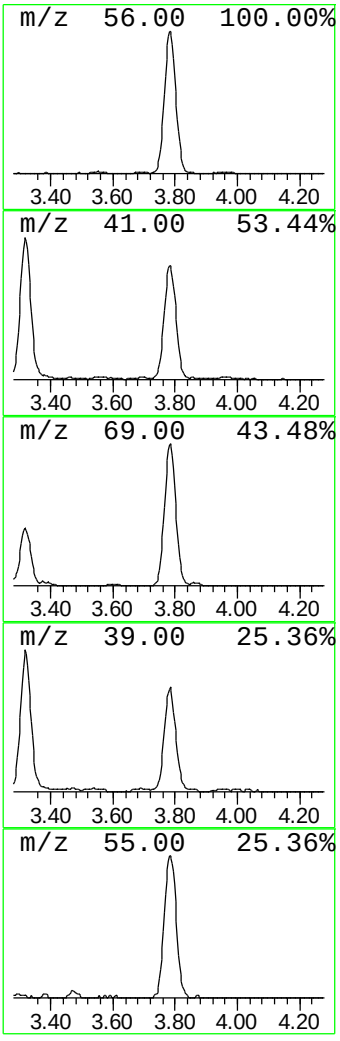
**********

Peak Number 7 (DEL) Alkane: Cyclic3.78 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.78 | 4.17 ug/L | 202844 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 91 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 5 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

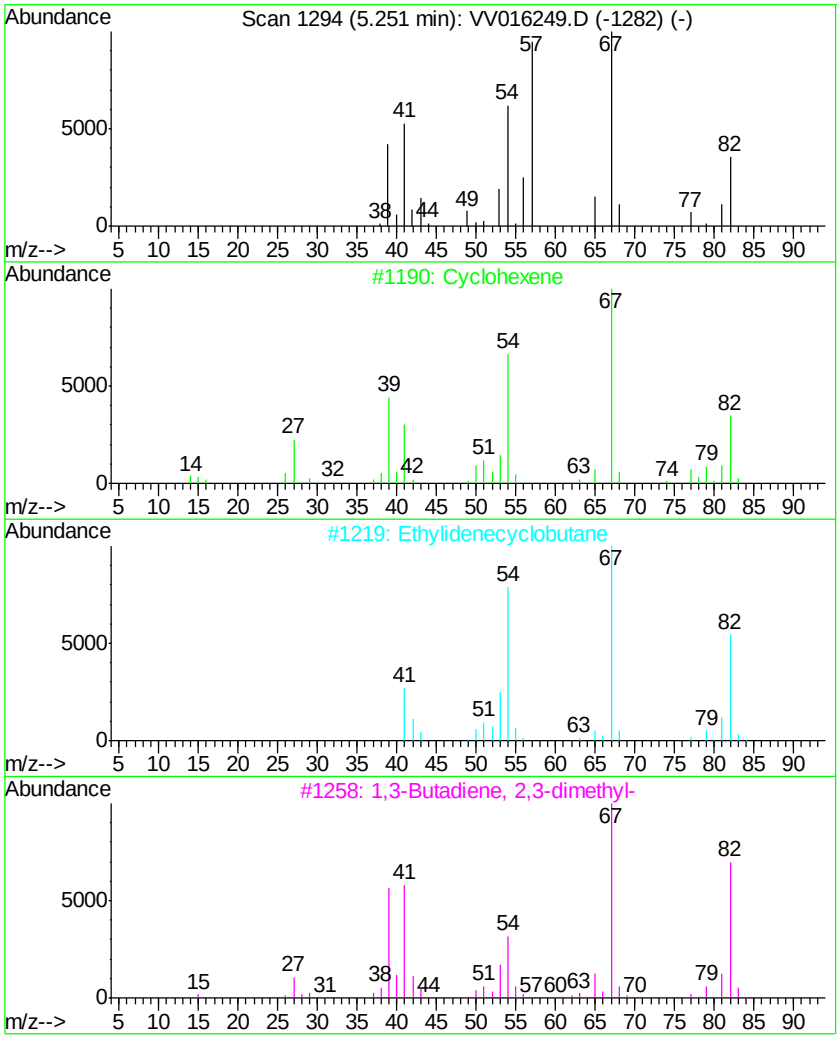
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

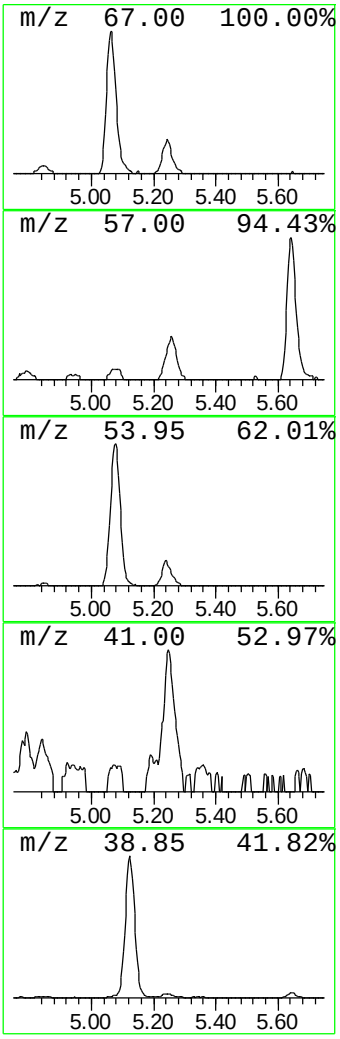
**********

Peak Number 8 1,3-Butadiene, 2,3-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.25 | 0.57 ug/L | 27891 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene | 82 | C6H10 | 000110-83-8 | 72 |
| 2 | Ethylidenecyclobutane | 82 | C6H10 | 001528-21-8 | 64 |
| 3 | 1,3-Butadiene, 2,3-dimethyl- | 82 | C6H10 | 000513-81-5 | 62 |
| 4 | 3-Hexyne | 82 | C6H10 | 000928-49-4 | 62 |
| 5 | 2,4-Hexadiene | 82 | C6H10 | 000592-46-1 | 58 |



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Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

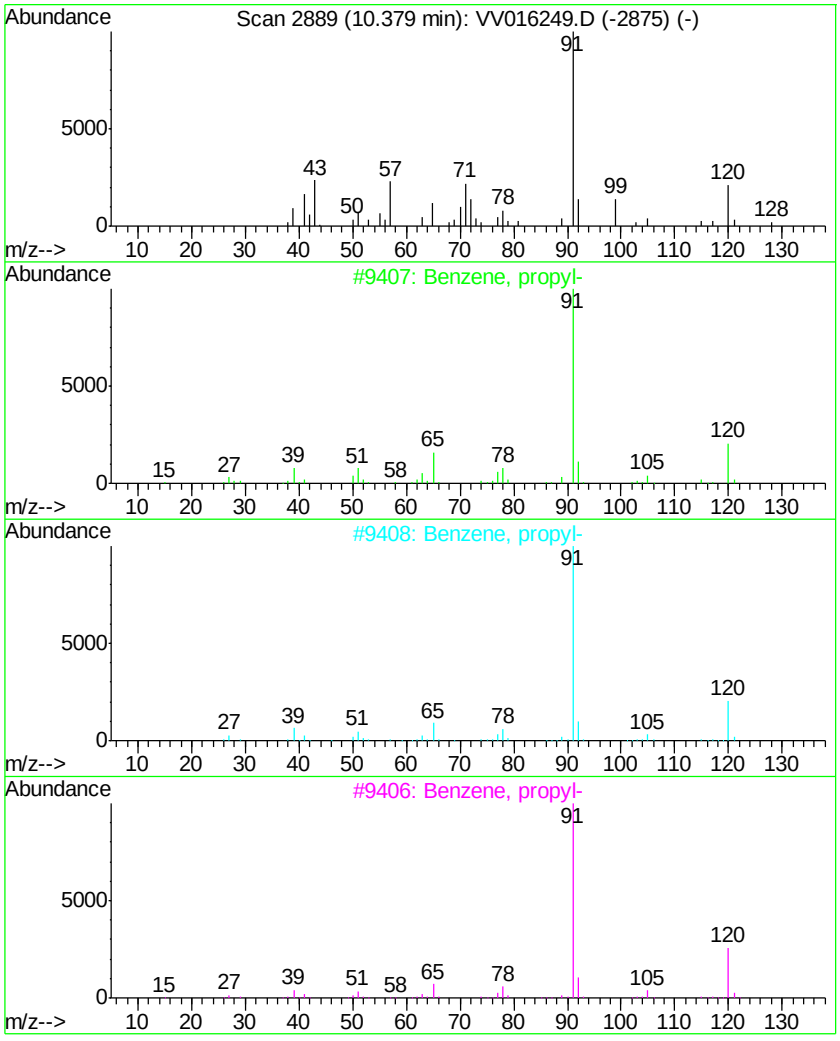
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

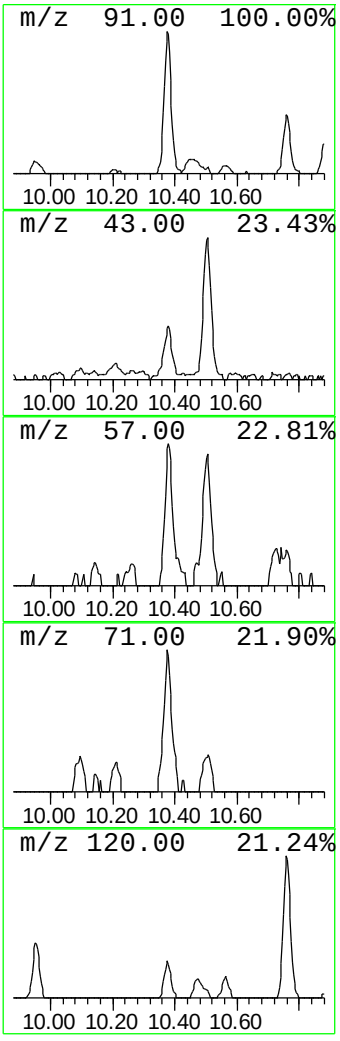
**********

Peak Number 10 Benzene, propyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.38 | 0.53 ug/L | 40148 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 50 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 50 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 50 |
| 4 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 38 |
| 5 | n-Butylbenzylamine | 163 | C11H17N | 002403-22-7 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

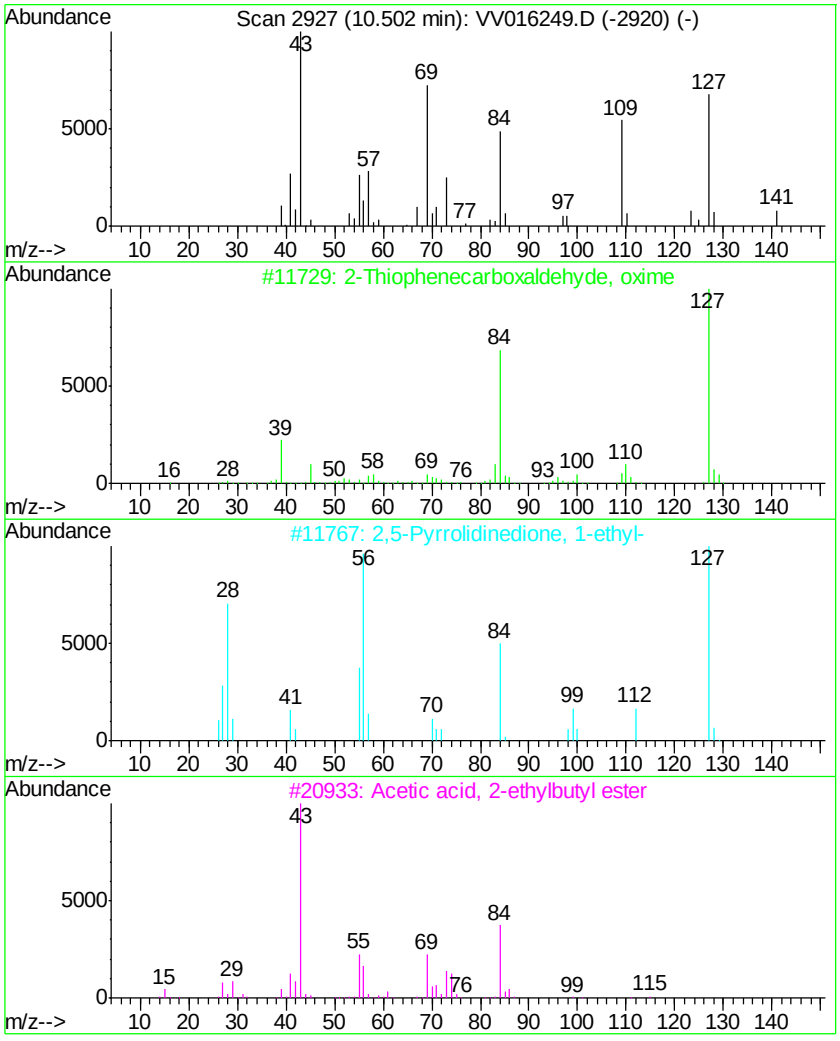
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

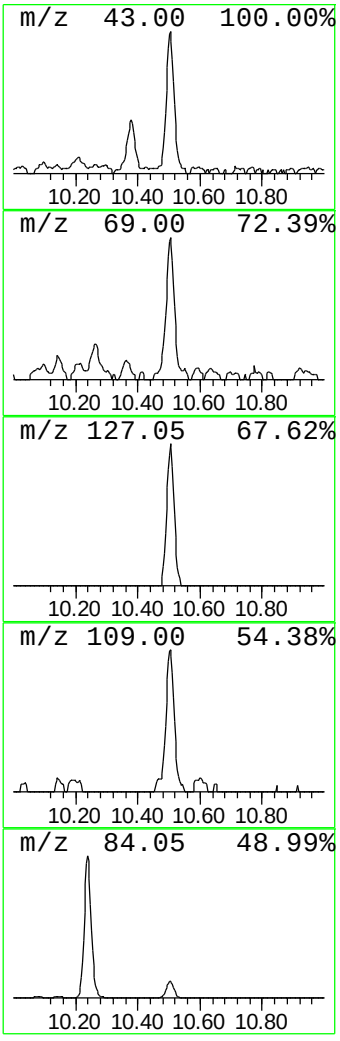
**********

Peak Number 11 unknown-01 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.50 | 0.57 ug/L | 43120 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Thiophenecarboxaldehyde, oxime | 127 | C5H5NOS | 029683-84-9 | 37 |
| 2 | 2,5-Pyrrolidinedione, 1-ethyl- | 127 | C6H9NO2 | 002314-78-5 | 23 |
| 3 | Acetic acid, 2-ethylbutyl ester | 144 | C8H16O2 | 010031-87-5 | 14 |
| 4 | Acetic acid, 2-ethylbutyl ester | 144 | C8H16O2 | 010031-87-5 | 12 |
| 5 | 4-Piperidinone, 1,3-dimethyl- | 127 | C7H13NO | 004629-80-5 | 12 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

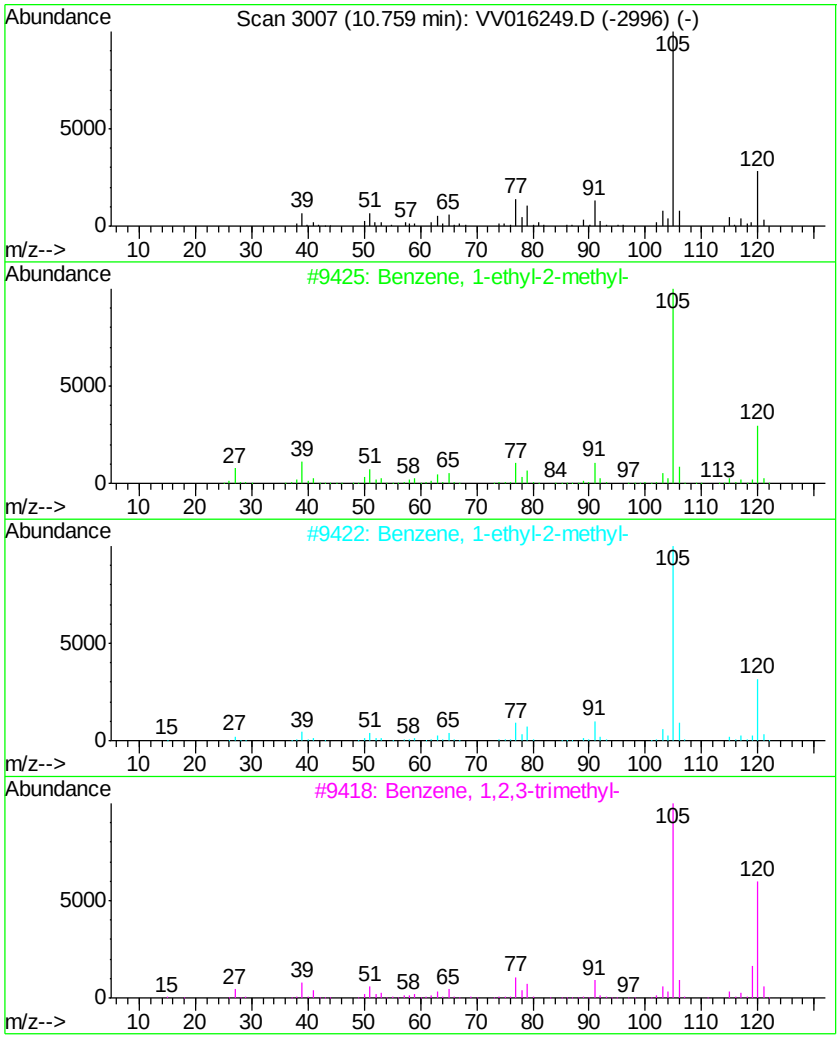
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

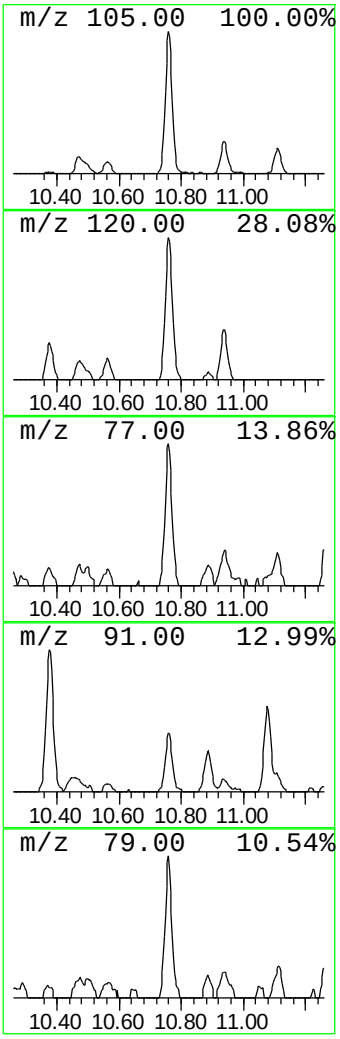
**********

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.76 | 1.04 ug/L | 79269 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

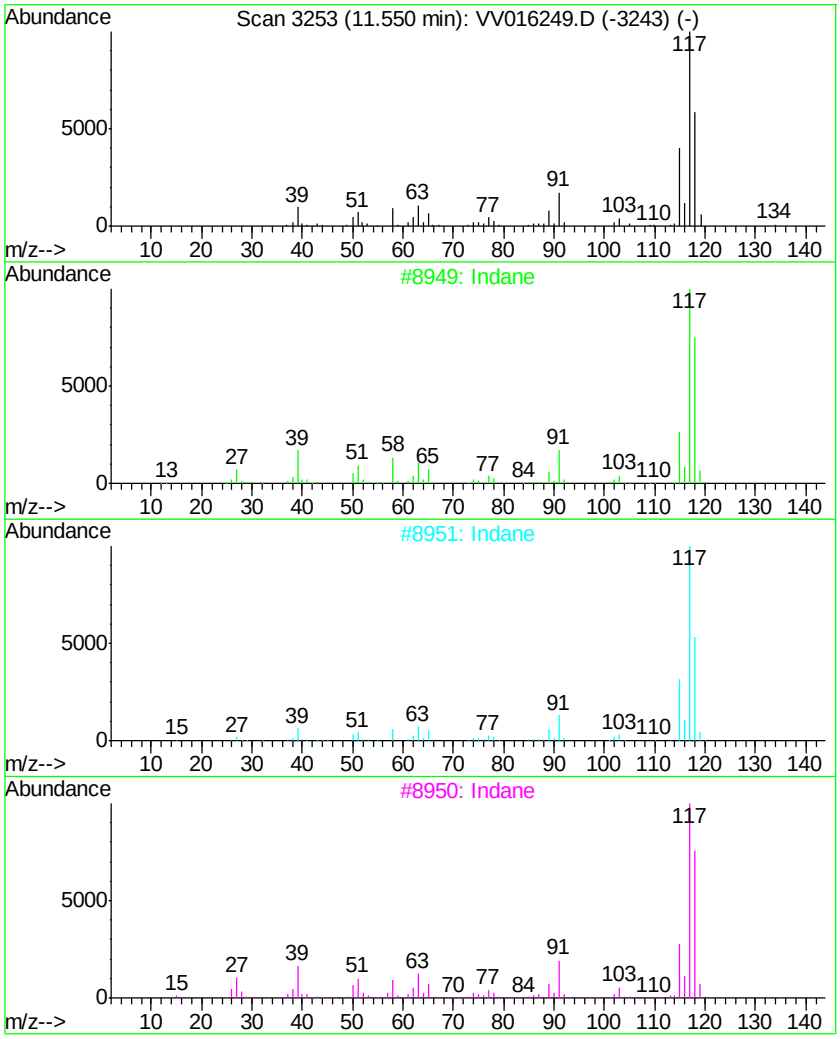
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

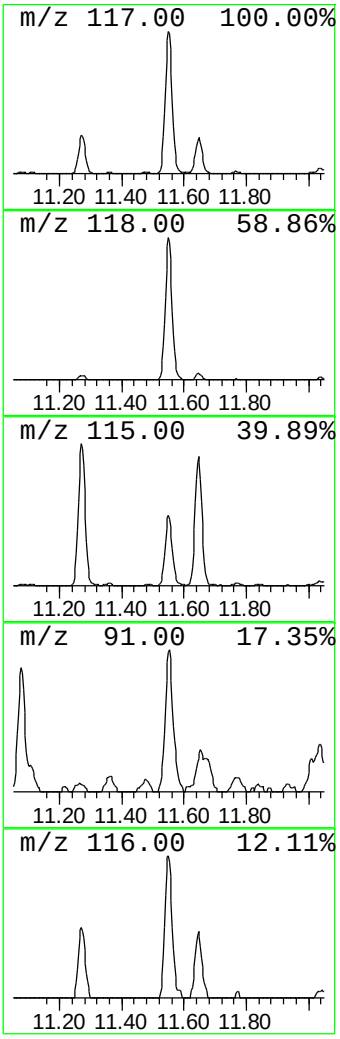
**********

Peak Number 13 Indane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.55 | 1.78 ug/L | 136147 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 96 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 76 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

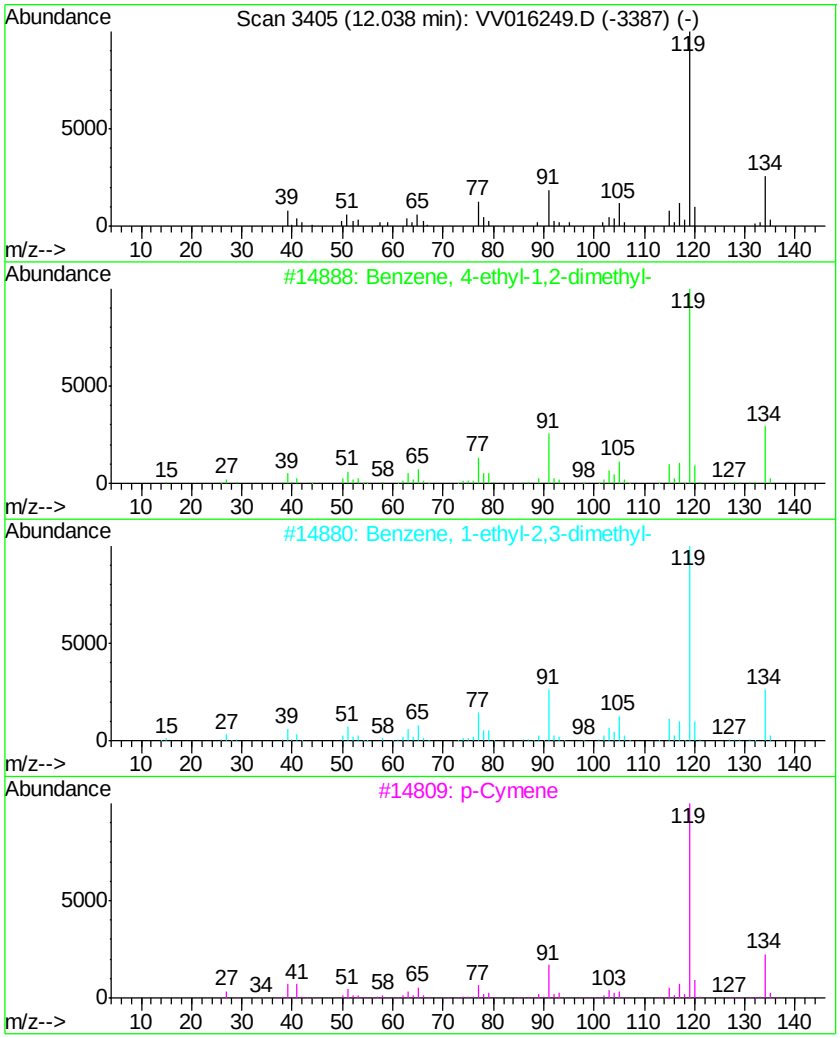
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

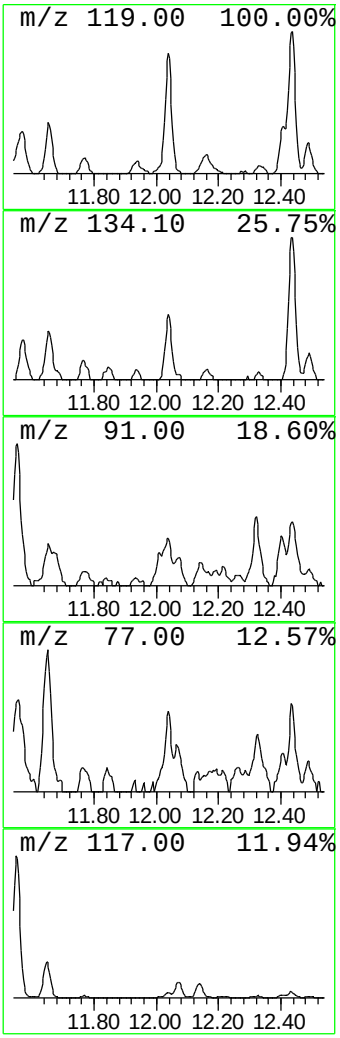
**********

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.04 | 0.50 ug/L | 38523 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

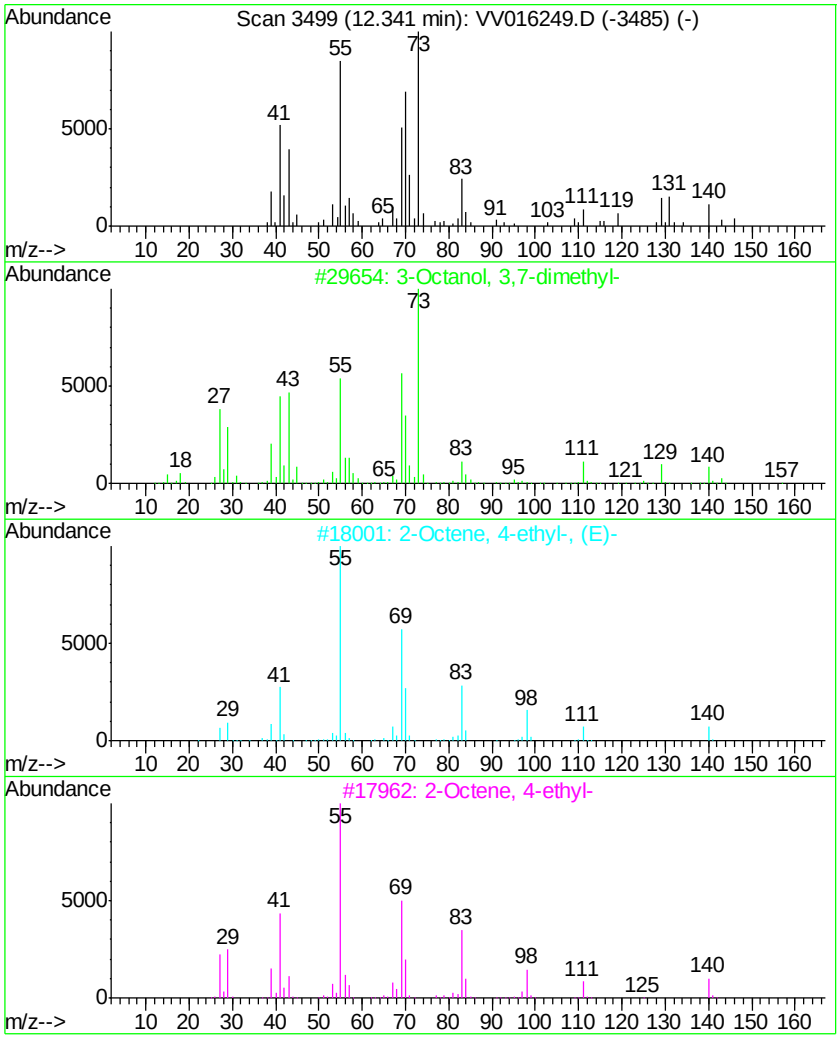
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

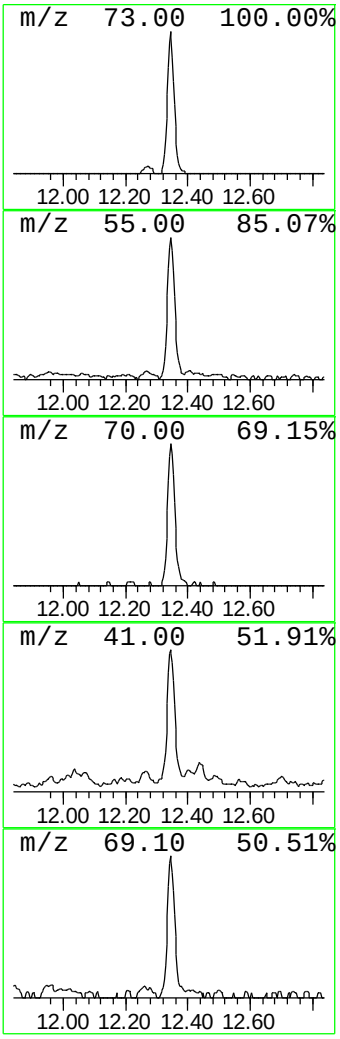
**********

Peak Number 15 unknown-02 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.34 | 1.34 ug/L | 102197 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 43 |
| 2 | 2-Octene, 4-ethyl-, (E)- | 140 | C10H20 | 074630-09-4 | 38 |
| 3 | 2-Octene, 4-ethyl- | 140 | C10H20 | 053966-52-2 | 30 |
| 4 | 2-Octene, 4-ethyl- | 140 | C10H20 | 053966-52-2 | 30 |
| 5 | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10 | 002402-06-4 | 30 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

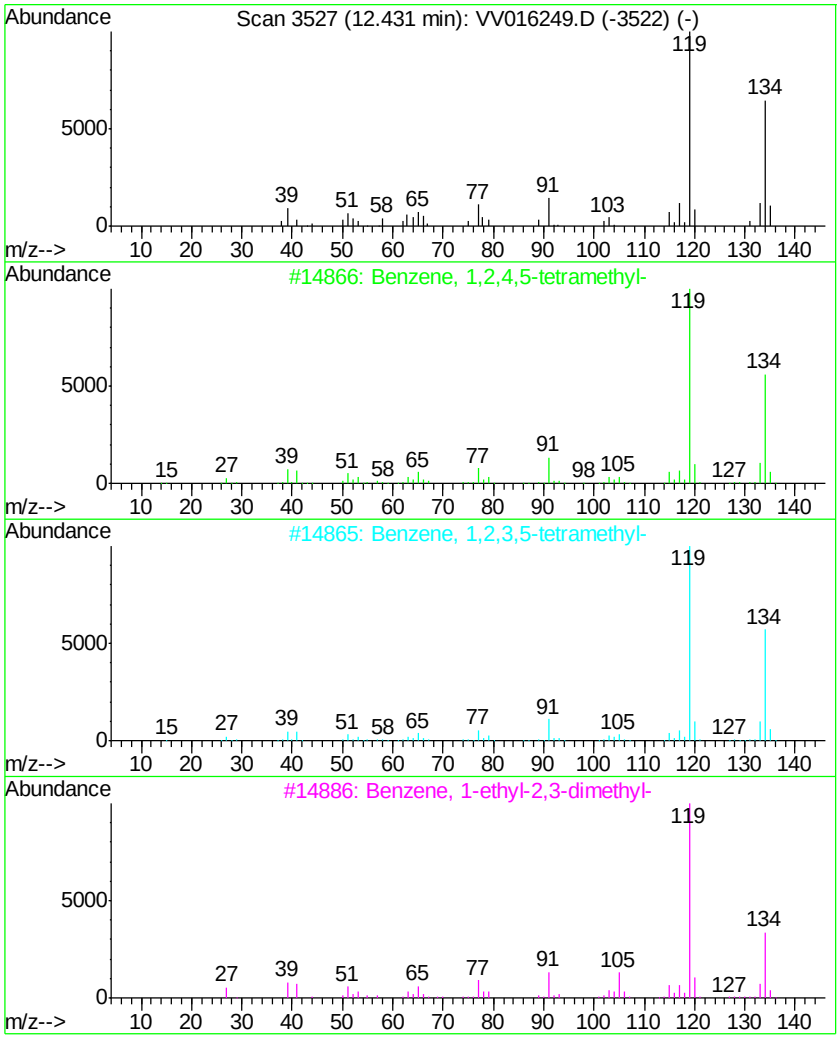
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

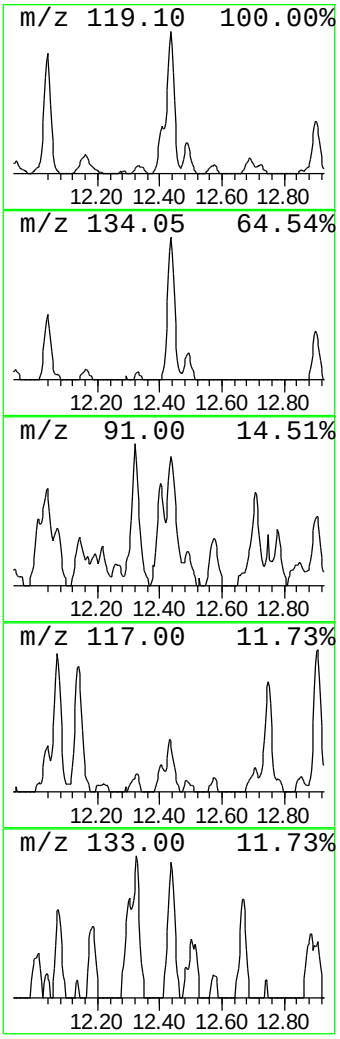
**********

Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.43 | 0.62 ug/L | 47429 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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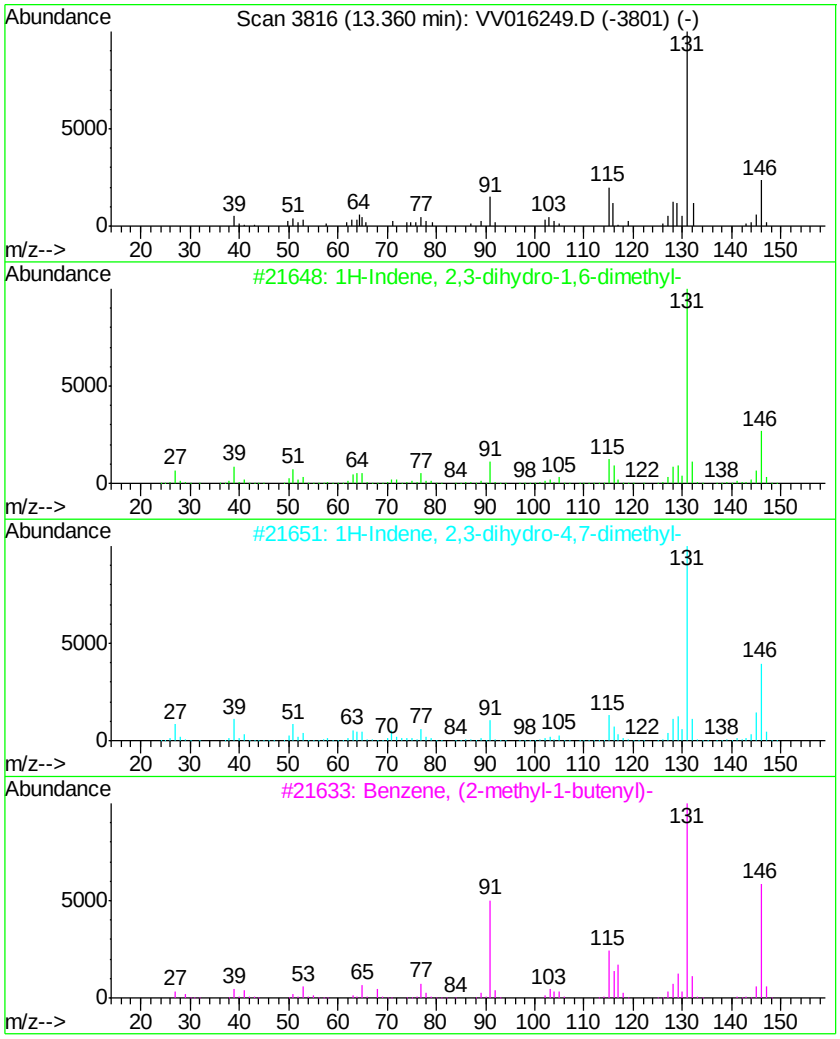
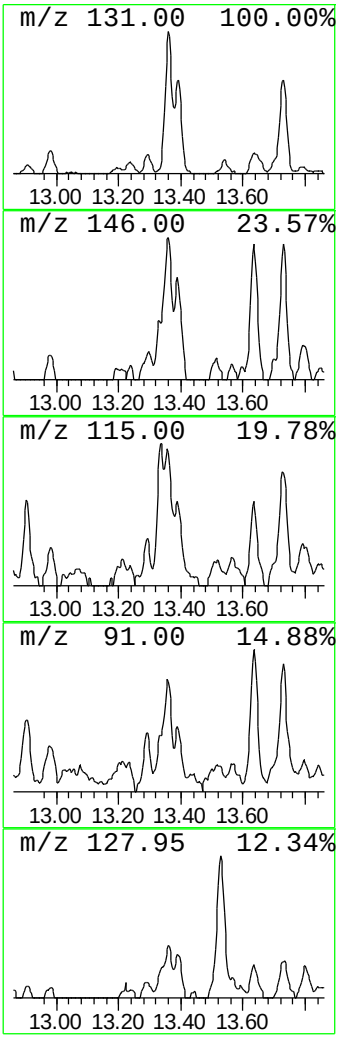
Peak Number 17 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.36 | 0.85 ug/L | 64829 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 94 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 94 |
| 4 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 94 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

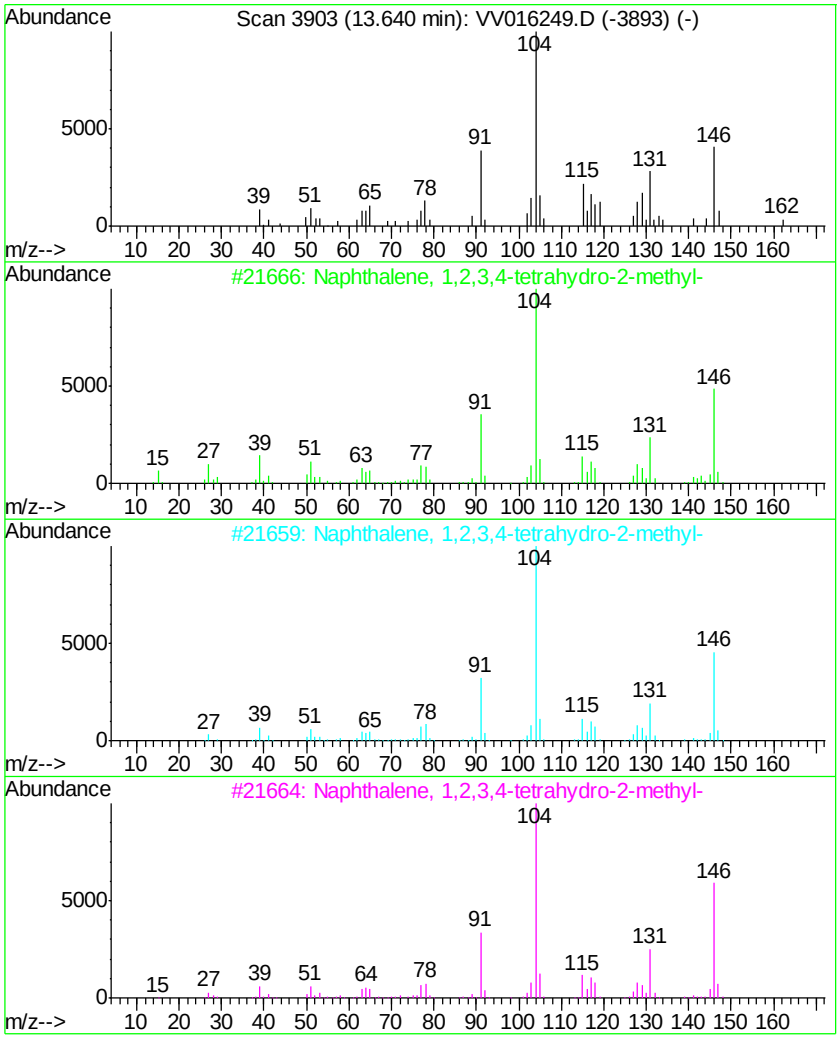
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

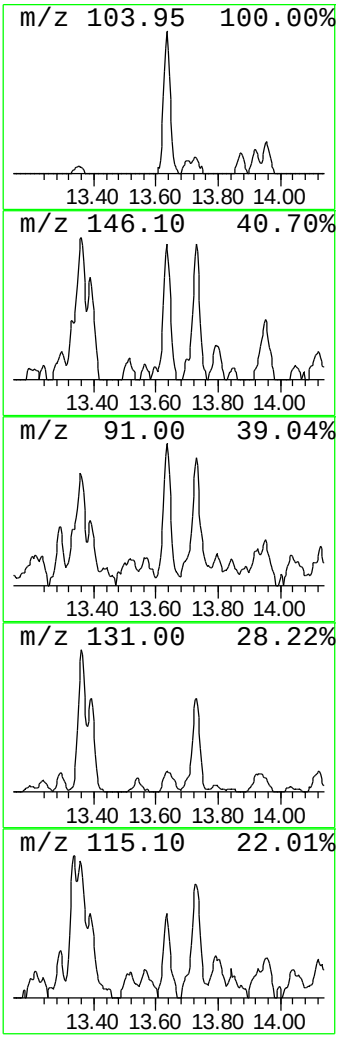
**********

Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 0.50 ug/L | 38267 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 83 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 83 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 70 |
| 5 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

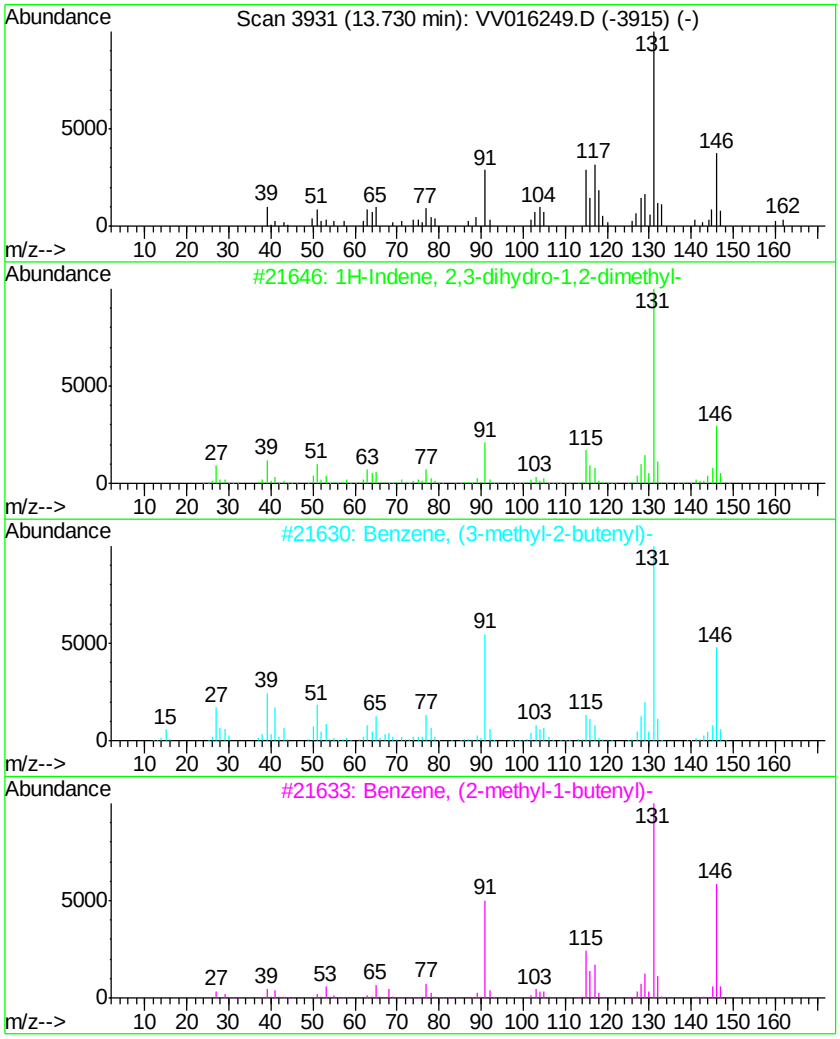
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

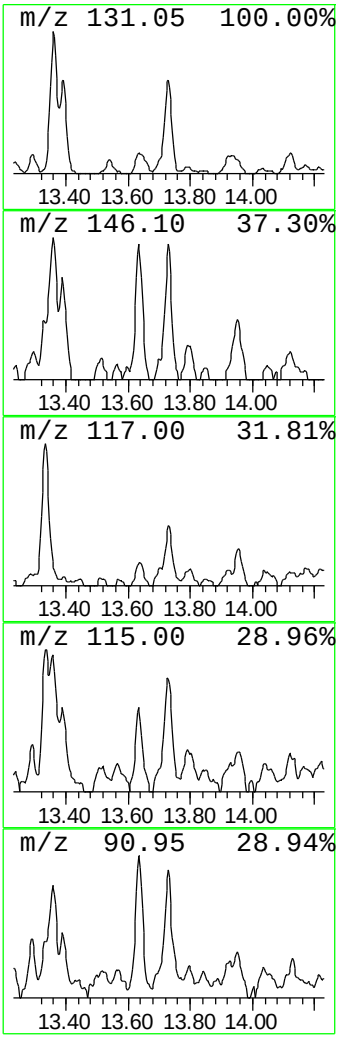
**********

Peak Number 19 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 0.71 ug/L | 54097 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 95 |
| 2 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 94 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 94 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 160 | C12H16 | 078920-29-3 | 93 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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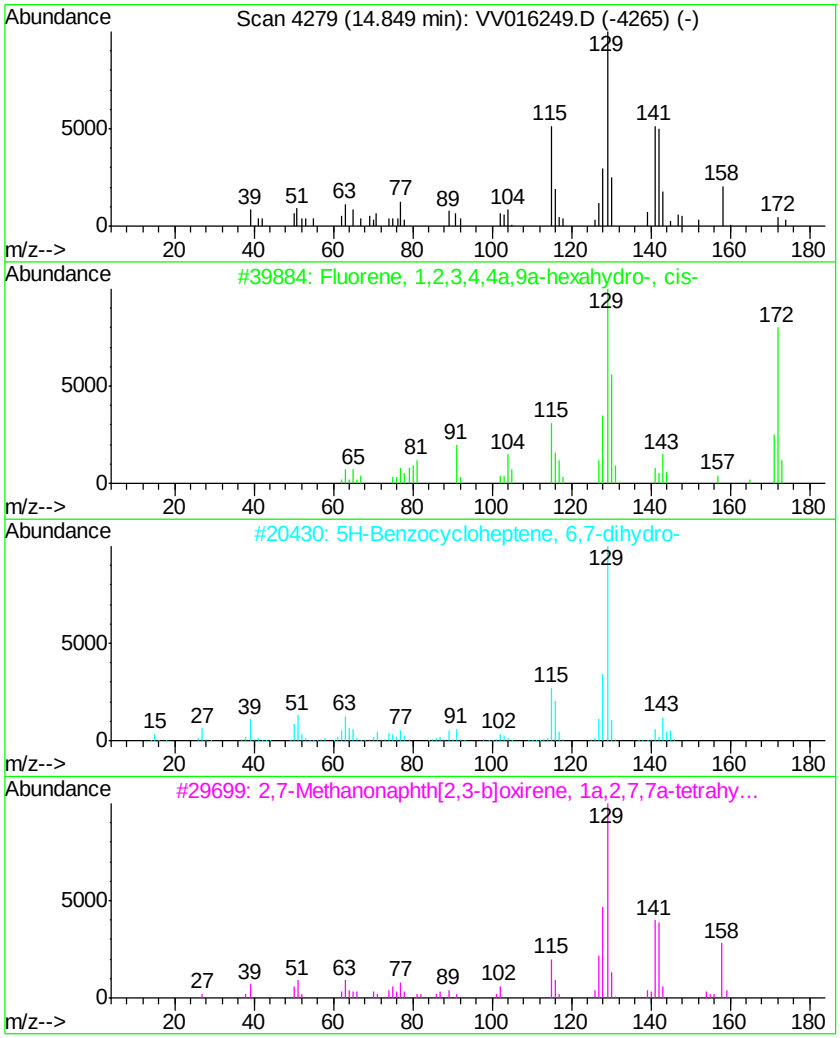
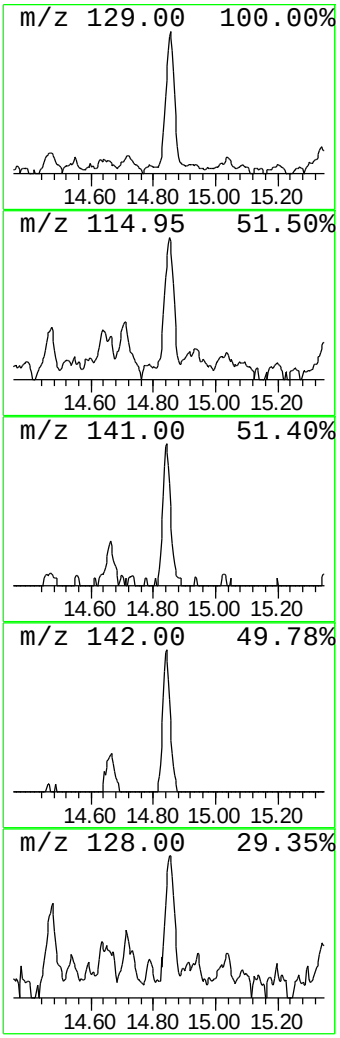
Peak Number 20 unknown-03 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 0.56 ug/L | 43013 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluorene, 1,2,3,4,4a,9a-hexahydr... | 172 | C13H16 | 001559-97-3 | 47 |
| 2 | 5H-Benzocycloheptene, 6,7-dihydro- | 144 | C11H12 | 007125-62-4 | 43 |
| 3 | 2,7-Methanonaphth[2,3-b]oxirene,... | 158 | C11H10O | 013137-34-3 | 38 |
| 4 | (1-Ethylbuta-1,3-dienyl)benzene | 158 | C12H14 | 1000210-05-6 | 38 |
| 5 | 1-Phenyl-hexa-1,2-diene | 158 | C12H14 | 1000146-04-1 | 37 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016249.D
Acq On : 28 May 2020 00:10
Operator : SY/MD
Sample : L2766-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BE4Y9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.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 |
| Sulfur dioxide | 1.44 | 0.9 | ug/L | 44584 | 1 | 5.64 | 243317 | 5.0 |
| Ethyl ether | 1.97 | 1.1 | ug/L | 53940 | 1 | 5.64 | 243317 | 5.0 |
| (DEL) Alkane: Str... | 2.55 | 1.2 | ug/L | 59314 | 1 | 5.64 | 243317 | 5.0 |
| (DEL) Alkane: Str... | 2.78 | 2.3 | ug/L | 112529 | 1 | 5.64 | 243317 | 5.0 |
| (DEL) Alkane: Str... | 3.06 | 0.9 | ug/L | 44118 | 1 | 5.64 | 243317 | 5.0 |
| Diisopropyl ether | 3.32 | 10.1 | ug/L | 491428 | 1 | 5.64 | 243317 | 5.0 |
| (DEL) Alkane: Cyc... | 3.78 | 4.2 | ug/L | 202844 | 1 | 5.64 | 243317 | 5.0 |
| 1,3-Butadiene, 2,... | 5.25 | 0.6 | ug/L | 27891 | 1 | 5.64 | 243317 | 5.0 |
| Benzene, propyl- | 10.38 | 0.5 | ug/L | 40148 | 3 | 11.27 | 381419 | 5.0 |
| unknown-01 | 10.50 | 0.6 | ug/L | 43120 | 3 | 11.27 | 381419 | 5.0 |
| Benzene, 1-ethyl-... | 10.76 | 1.0 | ug/L | 79269 | 3 | 11.27 | 381419 | 5.0 |
| Indane | 11.55 | 1.8 | ug/L | 136147 | 3 | 11.27 | 381419 | 5.0 |
| Benzene, 4-ethyl-... | 12.04 | 0.5 | ug/L | 38523 | 3 | 11.27 | 381419 | 5.0 |
| unknown-02 | 12.34 | 1.3 | ug/L | 102197 | 3 | 11.27 | 381419 | 5.0 |
| Benzene, 1,2,4,5-... | 12.43 | 0.6 | ug/L | 47429 | 3 | 11.27 | 381419 | 5.0 |
| 1H-Indene, 2,3-di... | 13.36 | 0.8 | ug/L | 64829 | 3 | 11.27 | 381419 | 5.0 |
| Naphthalene, 1,2,... | 13.64 | 0.5 | ug/L | 38267 | 3 | 11.27 | 381419 | 5.0 |
| 1H-Indene, 2,3-di... | 13.73 | 0.7 | ug/L | 54097 | 3 | 11.27 | 381419 | 5.0 |
| unknown-03 | 14.85 | 0.6 | ug/L | 43013 | 3 | 11.27 | 381419 | 5.0 |