LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC: VV015815.D

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.200 | 29 | 34 | 48 | rBV2 | 11884 | 20325 | 4.91% | 0.330% |
| 2 | 1.312 | 62 | 69 | 77 | rBV | 62076 | 64213 | 15.50% | 1.041% |
| 3 | 1.389 | 78 | 93 | 100 | rBV2 | 23601 | 76885 | 18.56% | 1.247% |
| 4 | 1.576 | 145 | 151 | 164 | rVB | 56448 | 64349 | 15.54% | 1.044% |
| 5 | 2.119 | 311 | 320 | 333 | rVB | 98493 | 144800 | 34.96% | 2.349% |
| 6 | 2.293 | 366 | 374 | 389 | rBV | 13703 | 27599 | 6.66% | 0.448% |
| 7 | 3.904 | 862 | 875 | 901 | rBV2 | 59057 | 177355 | 42.82% | 2.877% |
| 8 | 4.376 | 1006 | 1022 | 1044 | rBV | 69644 | 174632 | 42.16% | 2.832% |
| 9 | 5.074 | 1222 | 1239 | 1269 | rBV2 | 164391 | 414218 | 100.00% | 6.718% |
| 10 | 5.640 | 1403 | 1415 | 1434 | rBV | 158513 | 318267 | 76.84% | 5.162% |
| 11 | 6.093 | 1537 | 1556 | 1575 | rBV2 | 96377 | 201467 | 48.64% | 3.268% |
| 12 | 7.010 | 1830 | 1841 | 1863 | rBV | 41781 | 77589 | 18.73% | 1.258% |
| 13 | 7.164 | 1875 | 1889 | 1900 | rVB6 | 3120 | 6747 | 1.63% | 0.109% |
| 14 | 7.338 | 1932 | 1943 | 1961 | rBV | 195411 | 340650 | 82.24% | 5.525% |
| 15 | 7.412 | 1961 | 1966 | 1976 | rVB5 | 2500 | 4711 | 1.14% | 0.076% |
| 16 | 7.646 | 2028 | 2039 | 2054 | rBV | 24697 | 45272 | 10.93% | 0.734% |
| 17 | 8.109 | 2172 | 2183 | 2220 | rBV | 218226 | 405740 | 97.95% | 6.581% |
| 18 | 8.875 | 2410 | 2421 | 2444 | rBV | 239833 | 395476 | 95.48% | 6.414% |
| 19 | 8.965 | 2446 | 2449 | 2463 | rVB | 2370 | 4204 | 1.01% | 0.068% |
| 20 | 9.039 | 2463 | 2472 | 2481 | rBV4 | 4214 | 6308 | 1.52% | 0.102% |
| 21 | 9.167 | 2502 | 2512 | 2524 | rVB | 17234 | 28009 | 6.76% | 0.454% |
| 22 | 9.379 | 2570 | 2578 | 2586 | rBV3 | 2980 | 4471 | 1.08% | 0.073% |
| 23 | 9.955 | 2747 | 2757 | 2770 | rVB | 12844 | 20488 | 4.95% | 0.332% |
| 24 | 10.238 | 2830 | 2845 | 2862 | rBV | 66513 | 105750 | 25.53% | 1.715% |
| 25 | 10.376 | 2877 | 2888 | 2895 | rBV | 15537 | 24990 | 6.03% | 0.405% |
| 26 | 10.495 | 2912 | 2925 | 2934 | rVB | 16827 | 28546 | 6.89% | 0.463% |
| 27 | 10.762 | 2998 | 3008 | 3015 | rBV2 | 7216 | 10561 | 2.55% | 0.171% |
| 28 | 10.936 | 3048 | 3062 | 3079 | rBV | 43532 | 72337 | 17.46% | 1.173% |
| 29 | 11.212 | 3140 | 3148 | 3154 | rBV8 | 3112 | 4763 | 1.15% | 0.077% |
| 30 | 11.273 | 3155 | 3167 | 3188 | rVB | 256408 | 402621 | 97.20% | 6.530% |
| 31 | 11.421 | 3204 | 3213 | 3222 | rBV2 | 8720 | 13173 | 3.18% | 0.214% |
| 32 | 11.550 | 3242 | 3253 | 3264 | rBV | 182851 | 289649 | 69.93% | 4.698% |
| 33 | 11.646 | 3273 | 3283 | 3304 | rVB | 204836 | 339090 | 81.86% | 5.500% |
| 34 | 11.768 | 3311 | 3321 | 3330 | rBV | 24517 | 41370 | 9.99% | 0.671% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.839 | 3340 | 3343 | 3353 | rVB2 | 10620 | 13952 | 3.37% | 0.226% |
| 36 | 11.936 | 3359 | 3373 | 3377 | rBV4 | 9326 | 17838 | 4.31% | 0.289% |
| 37 | 11.965 | 3377 | 3382 | 3391 | rVB | 11893 | 16411 | 3.96% | 0.266% |
| 38 | 12.039 | 3395 | 3405 | 3411 | rBV | 15427 | 23469 | 5.67% | 0.381% |
| 39 | 12.084 | 3411 | 3419 | 3427 | rVV6 | 9515 | 17676 | 4.27% | 0.287% |
| 40 | 12.138 | 3427 | 3436 | 3444 | rVV | 33958 | 52336 | 12.63% | 0.849% |
| 41 | 12.183 | 3444 | 3450 | 3457 | rVV7 | 9815 | 15185 | 3.67% | 0.246% |
| 42 | 12.228 | 3458 | 3464 | 3471 | rVV7 | 4182 | 6322 | 1.53% | 0.103% |
| 43 | 12.334 | 3488 | 3497 | 3504 | rBV6 | 7581 | 14240 | 3.44% | 0.231% |
| 44 | 12.383 | 3504 | 3512 | 3522 | rVB | 53263 | 79478 | 19.19% | 1.289% |
| 45 | 12.437 | 3523 | 3529 | 3533 | rVB3 | 3348 | 4144 | 1.00% | 0.067% |
| 46 | 12.485 | 3533 | 3544 | 3551 | rBV3 | 110808 | 245271 | 59.21% | 3.978% |
| 47 | 12.530 | 3551 | 3558 | 3566 | rVB | 235563 | 334857 | 80.84% | 5.431% |
| 48 | 12.746 | 3612 | 3625 | 3638 | rVB | 44272 | 72840 | 17.58% | 1.181% |
| 49 | 12.900 | 3654 | 3673 | 3681 | rBV4 | 18682 | 38743 | 9.35% | 0.628% |
| 50 | 12.971 | 3687 | 3695 | 3709 | rVB3 | 31078 | 52539 | 12.68% | 0.852% |
| 51 | 13.080 | 3717 | 3729 | 3746 | rVB2 | 53099 | 84038 | 20.29% | 1.363% |
| 52 | 13.174 | 3750 | 3758 | 3760 | rBV6 | 4402 | 5716 | 1.38% | 0.093% |
| 53 | 13.244 | 3772 | 3780 | 3787 | rVB4 | 16567 | 22223 | 5.37% | 0.360% |
| 54 | 13.293 | 3787 | 3795 | 3811 | rVB7 | 16808 | 36006 | 8.69% | 0.584% |
| 55 | 13.366 | 3811 | 3818 | 3821 | rBV7 | 3837 | 5270 | 1.27% | 0.085% |
| 56 | 13.460 | 3840 | 3847 | 3855 | rVB4 | 10665 | 15684 | 3.79% | 0.254% |
| 57 | 13.527 | 3855 | 3868 | 3871 | rBV4 | 24683 | 47624 | 11.50% | 0.772% |
| 58 | 13.566 | 3872 | 3880 | 3892 | rVB2 | 57707 | 118460 | 28.60% | 1.921% |
| 59 | 13.688 | 3908 | 3918 | 3927 | rBV | 122746 | 194047 | 46.85% | 3.147% |
| 60 | 13.733 | 3927 | 3932 | 3941 | rVB3 | 17687 | 26053 | 6.29% | 0.423% |
| 61 | 13.788 | 3941 | 3949 | 3958 | rVB2 | 29483 | 44287 | 10.69% | 0.718% |
| 62 | 13.842 | 3960 | 3966 | 3985 | rVB2 | 6802 | 16515 | 3.99% | 0.268% |
| 63 | 13.936 | 3985 | 3995 | 4005 | rBV10 | 7897 | 16706 | 4.03% | 0.271% |
| 64 | 14.125 | 4042 | 4054 | 4059 | rBV9 | 6280 | 13211 | 3.19% | 0.214% |
| 65 | 14.170 | 4063 | 4068 | 4076 | rVB8 | 5338 | 7376 | 1.78% | 0.120% |
| 66 | 14.244 | 4078 | 4091 | 4094 | rBV10 | 7684 | 13197 | 3.19% | 0.214% |
| 67 | 14.315 | 4108 | 4113 | 4121 | rVB7 | 7488 | 10456 | 2.52% | 0.170% |
| 68 | 14.463 | 4153 | 4159 | 4167 | rVV6 | 4034 | 4890 | 1.18% | 0.079% |
| 69 | 14.524 | 4167 | 4178 | 4188 | rVV6 | 5190 | 11311 | 2.73% | 0.183% |
| 70 | 14.588 | 4191 | 4198 | 4207 | rVV5 | 12010 | 18886 | 4.56% | 0.306% |
| 71 | 14.640 | 4207 | 4214 | 4227 | rVV2 | 9970 | 18815 | 4.54% | 0.305% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

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\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.704 | 4227 | 4234 | 4244 | rVB4 | 9181 | 14864 | 3.59% | 0.241% |
| 73 | 14.842 | 4267 | 4277 | 4288 | rBV | 32386 | 52793 | 12.75% | 0.856% |
| 74 | 14.894 | 4288 | 4293 | 4301 | rVB7 | 3945 | 5100 | 1.23% | 0.083% |

Sum of corrected areas: 6165454

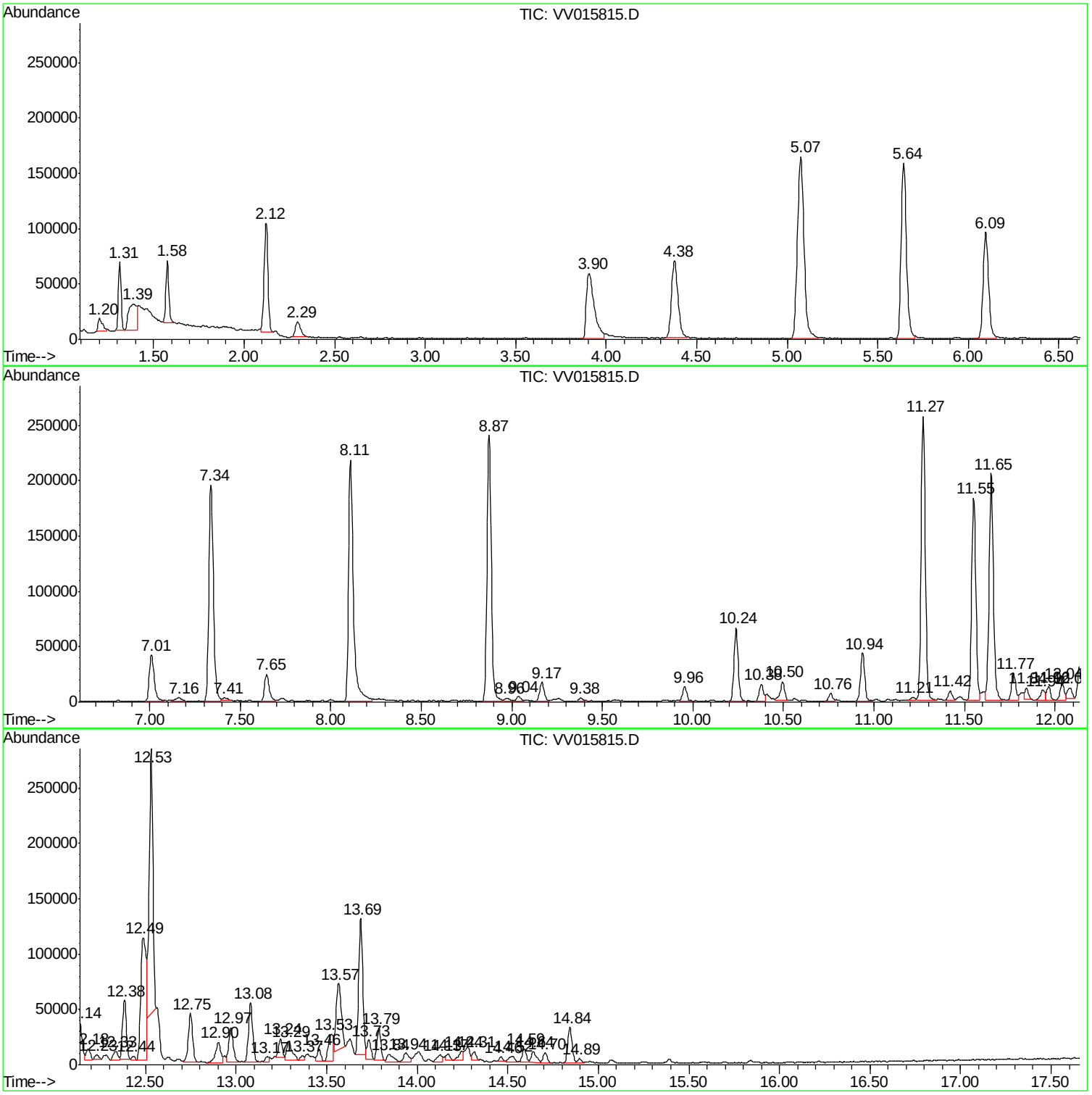
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.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\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

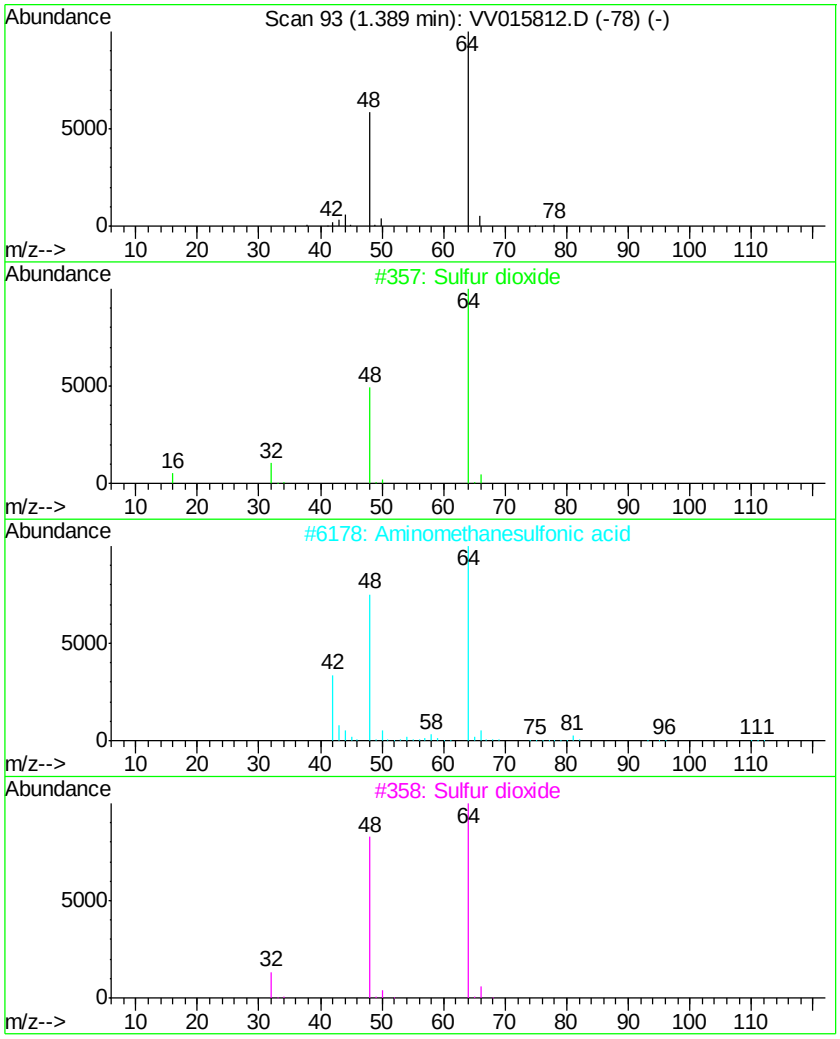
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

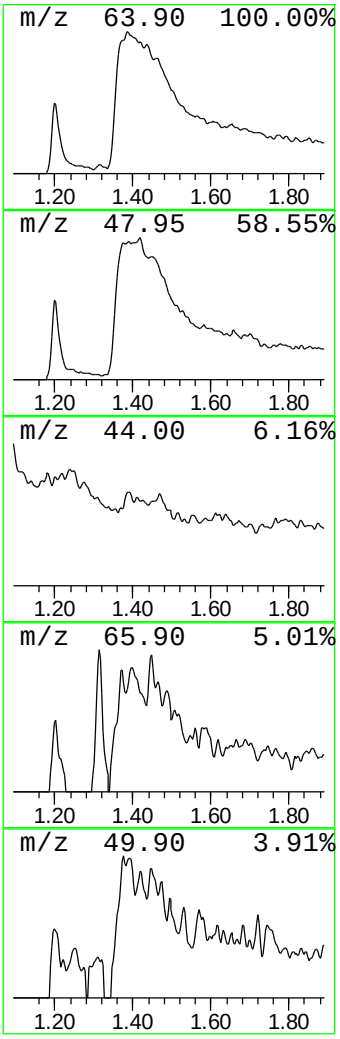
**********

Peak Number 1 Sulfur dioxide Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.39 | 1.21 ug/L | 76885 | 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 | 74 |
| 5 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

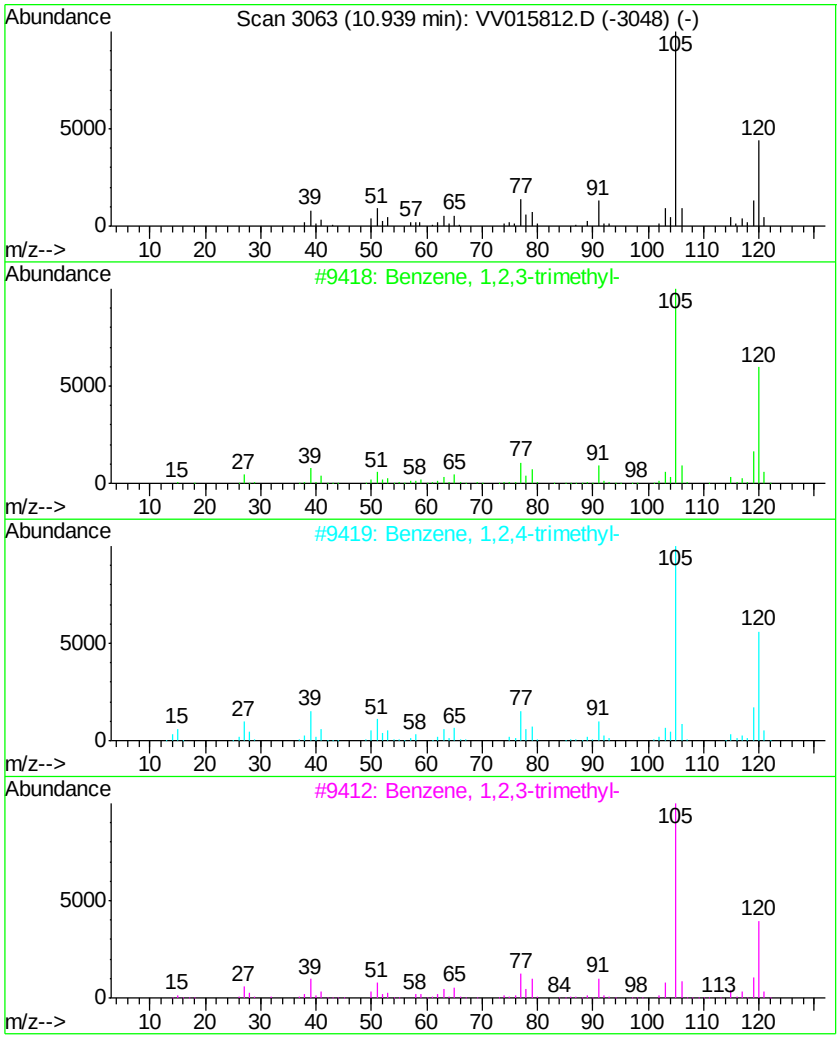
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

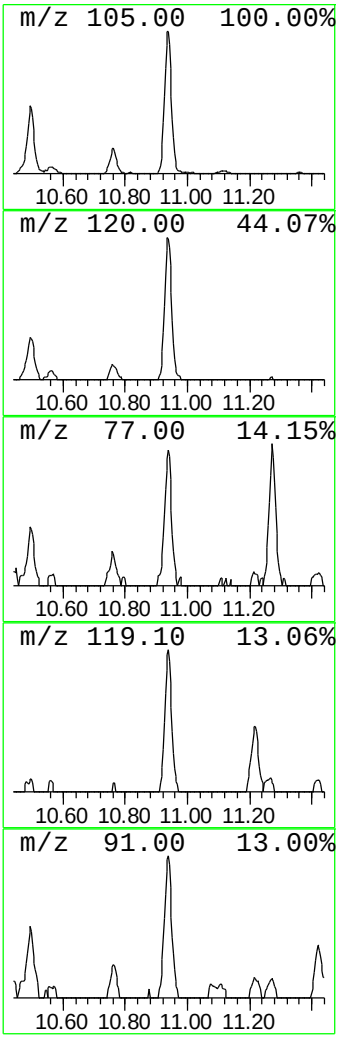
**********

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.94 | 0.90 ug/L | 72337 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

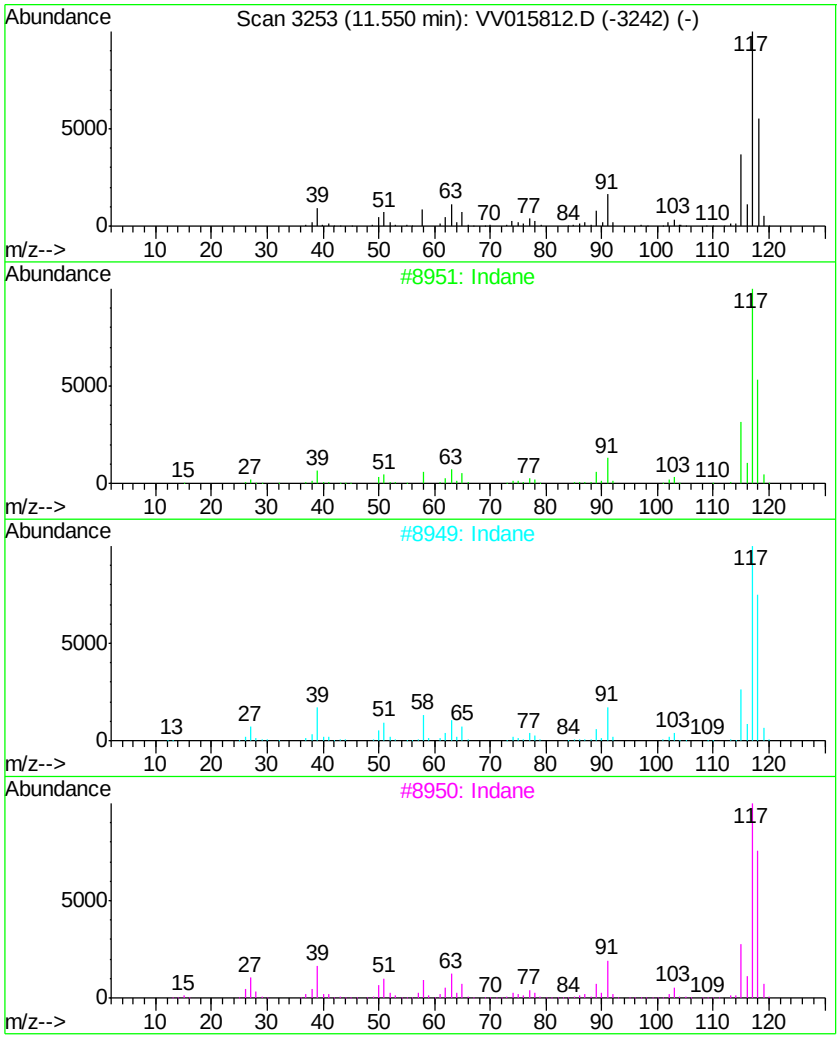
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

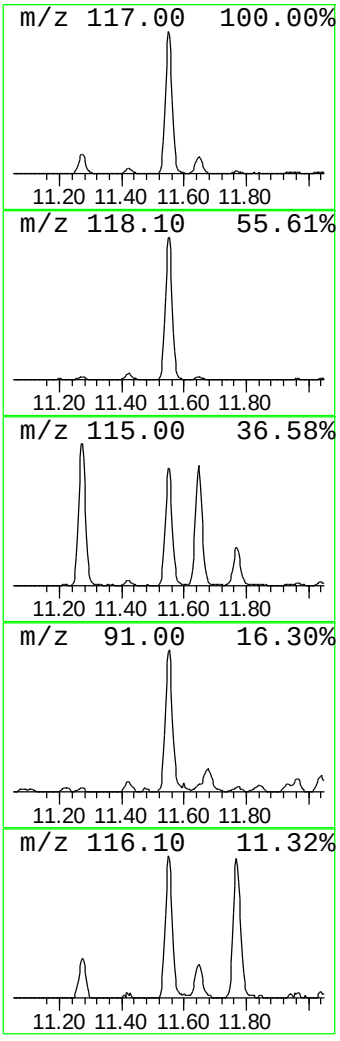
**********

Peak Number 4 Indane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.55 | 3.60 ug/L | 289649 | 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 | 92 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 90 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 87 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

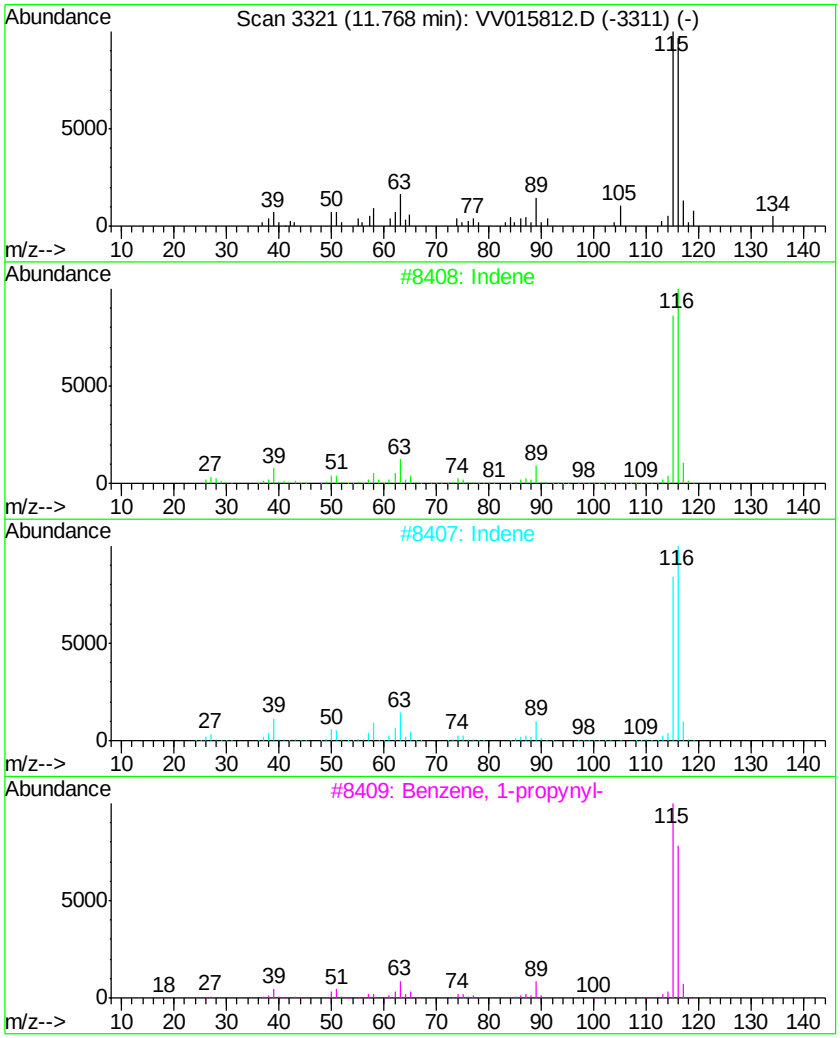
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

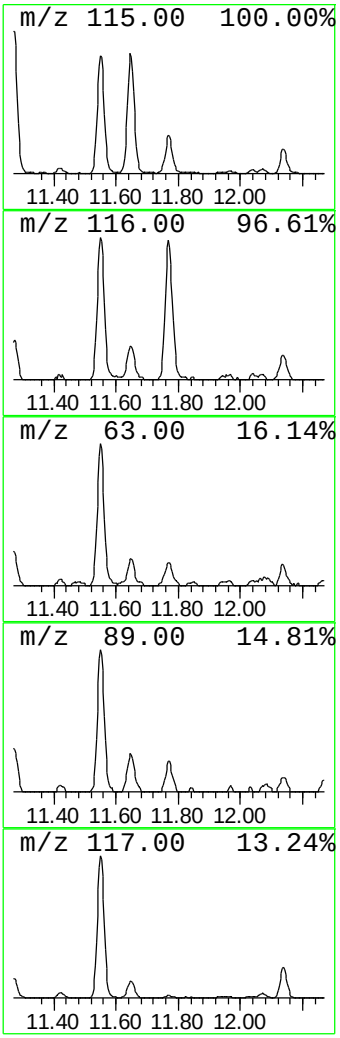
**********

Peak Number 5 Indene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 0.51 ug/L | 41370 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 87 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 87 |
| 5 | Indene | 116 | C9H8 | 000095-13-6 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

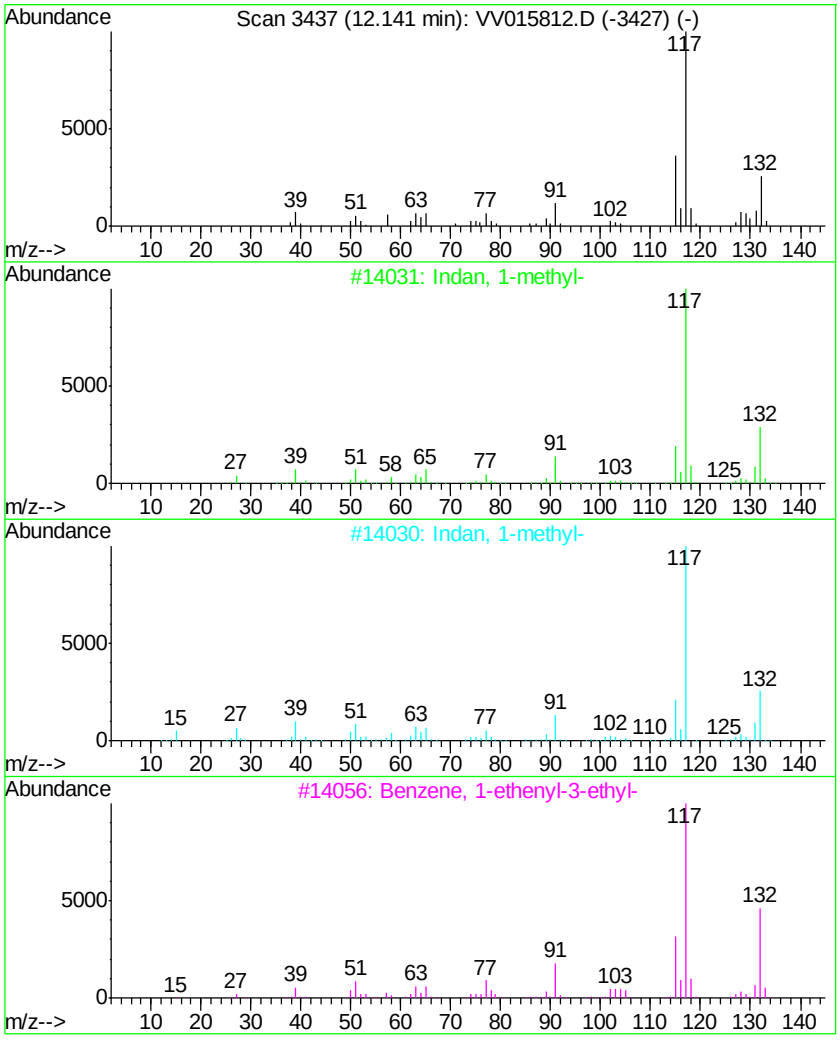
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

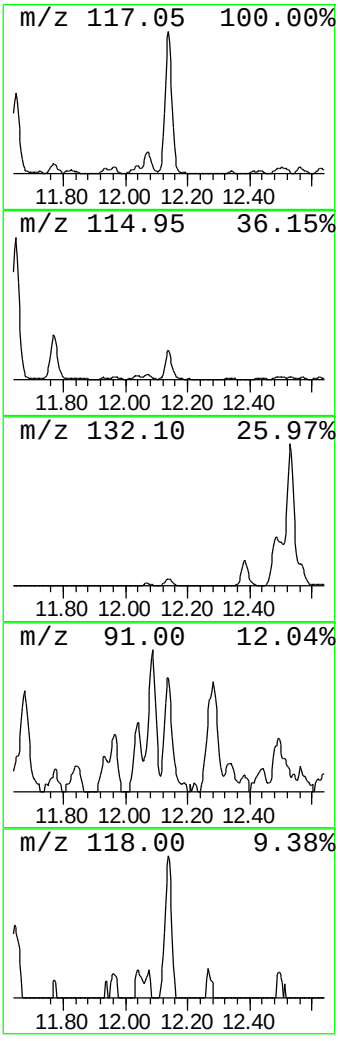
**********

Peak Number 6 Indan, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.14 | 0.65 ug/L | 52336 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 86 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 86 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 80 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

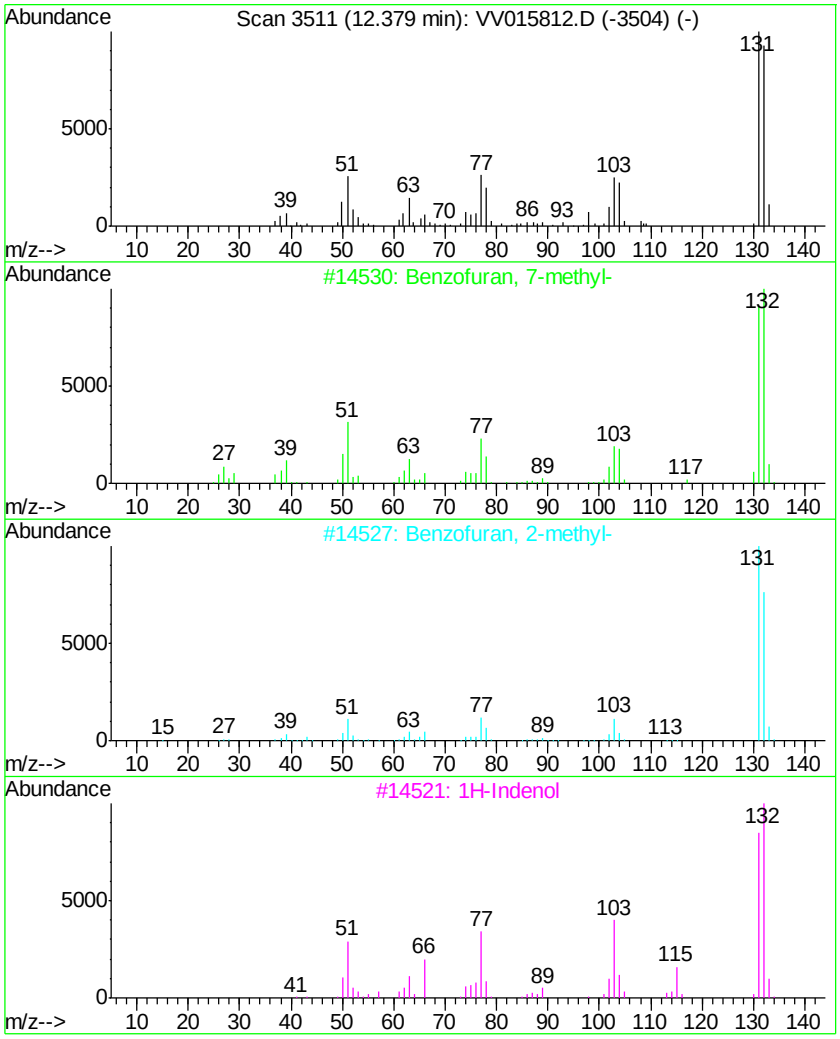
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

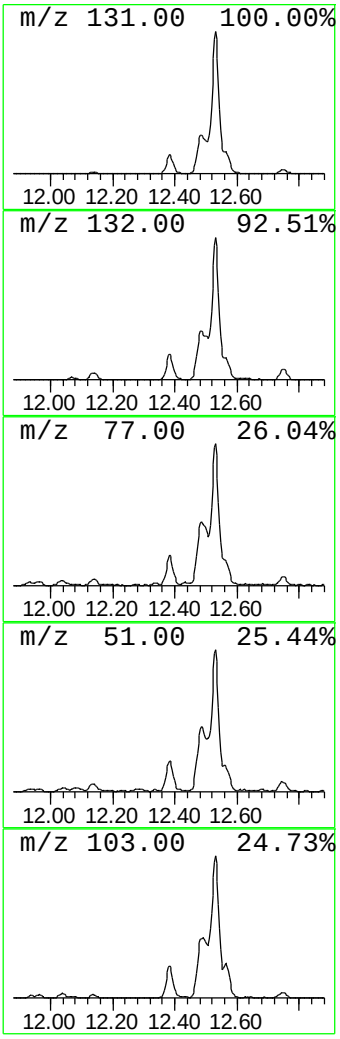
**********

Peak Number 7 Benzofuran, 7-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.38 | 0.99 ug/L | 79478 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 93 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 93 |
| 3 | 1H-Indenol | 132 | C9H8O | 056631-57-3 | 90 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |
| 5 | 1H-Indazole, 3-methyl- | 132 | C8H8N2 | 1000316-00-2 | 90 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

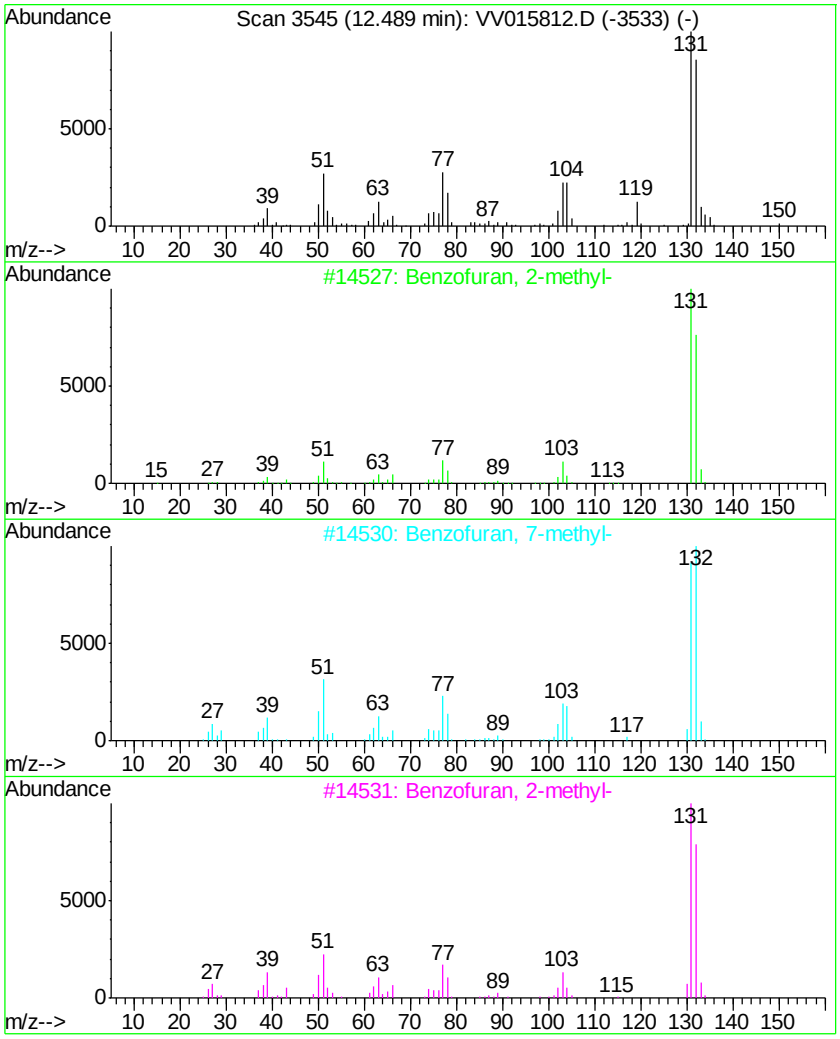
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

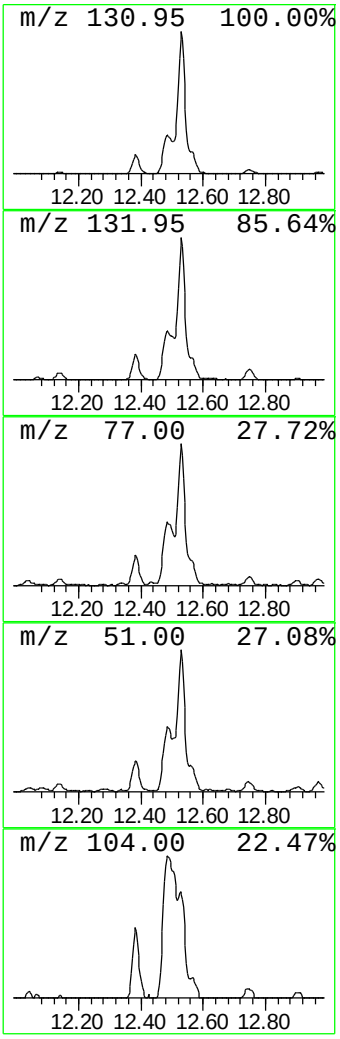
**********

Peak Number 8 Benzofuran, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.49 | 3.05 ug/L | 245271 | 1,4-Dichlorobenzene-d4 | 11.27 |

| 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 | 91 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 4 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 87 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

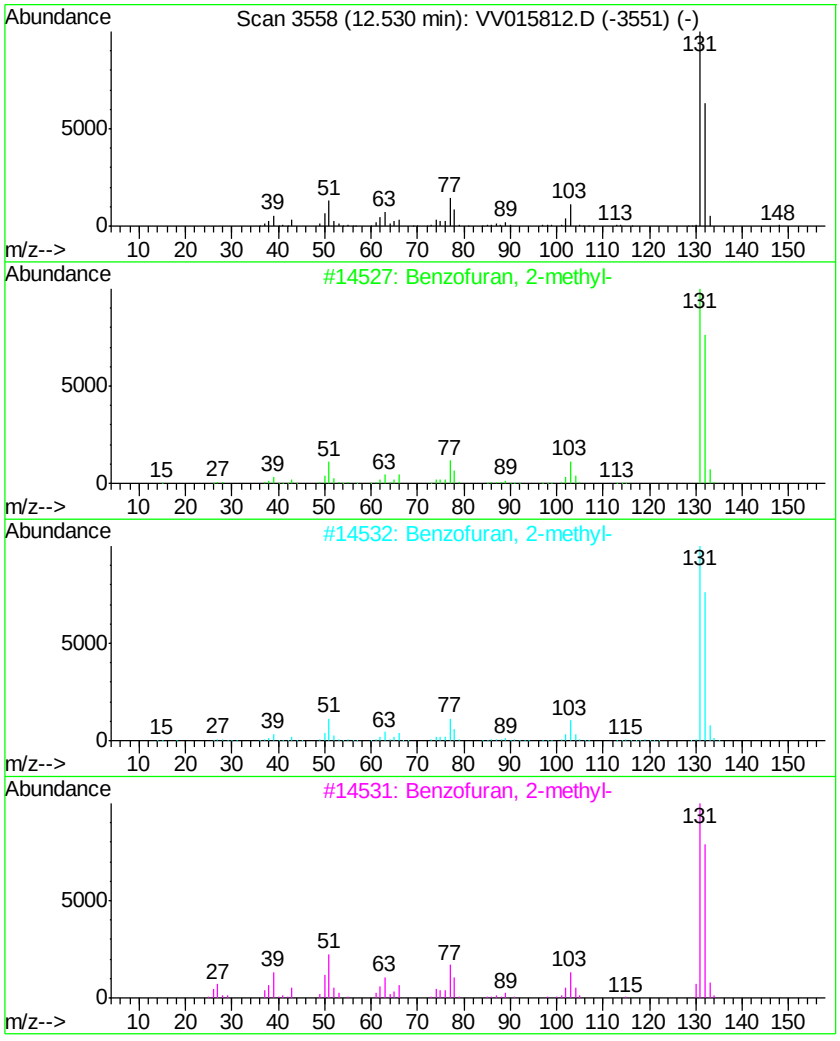
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

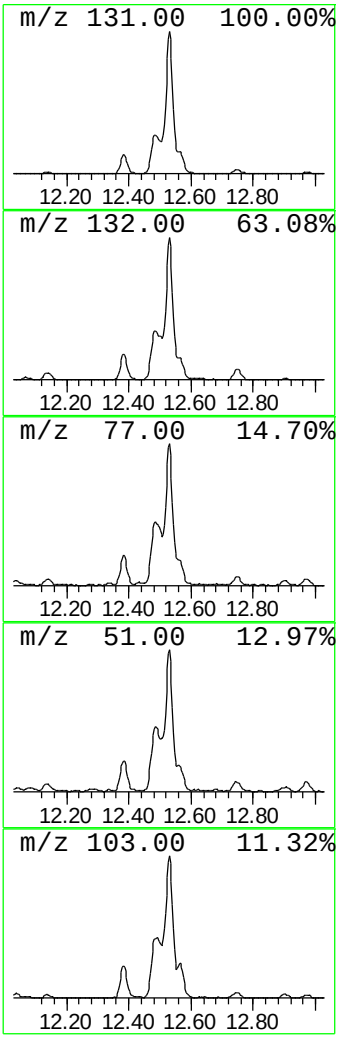
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1H-Pyrrolo[2,3-b]pyridine, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.53 | 4.16 ug/L | 334857 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 4 | 1H-Pyrrolo[2,3-b]pyridine, 2-met... | 132 | C8H8N2 | 023612-48-8 | 80 |
| 5 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 78 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

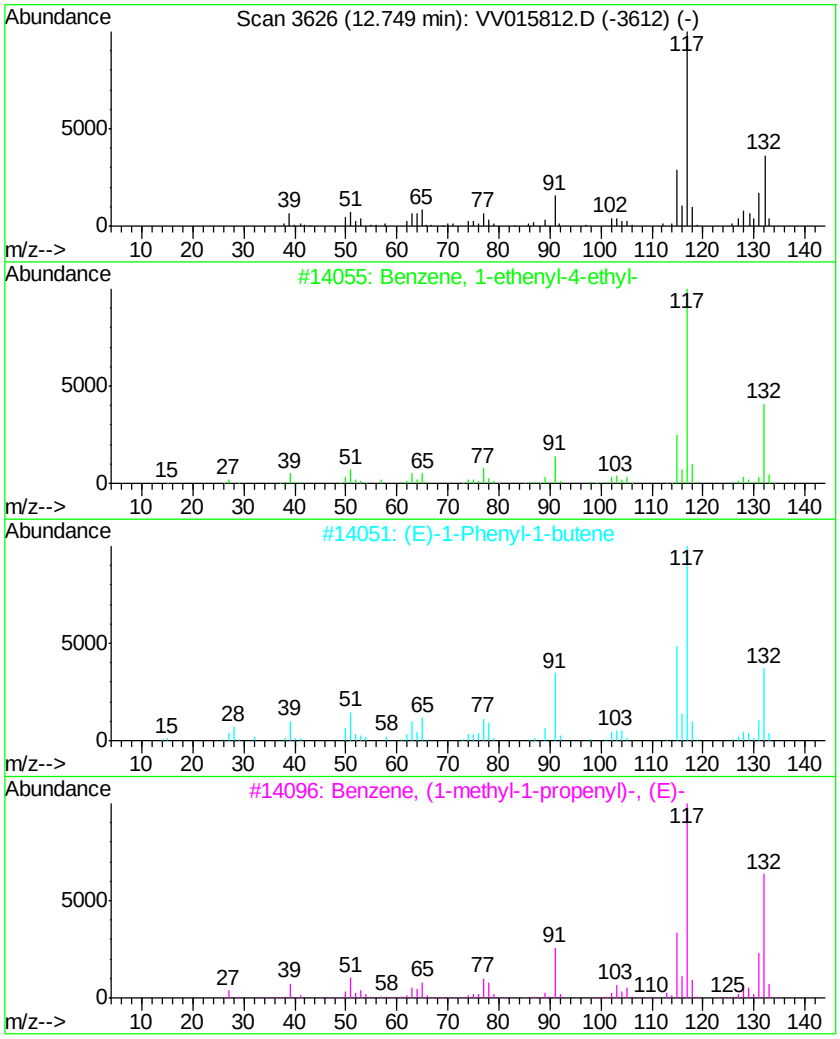
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

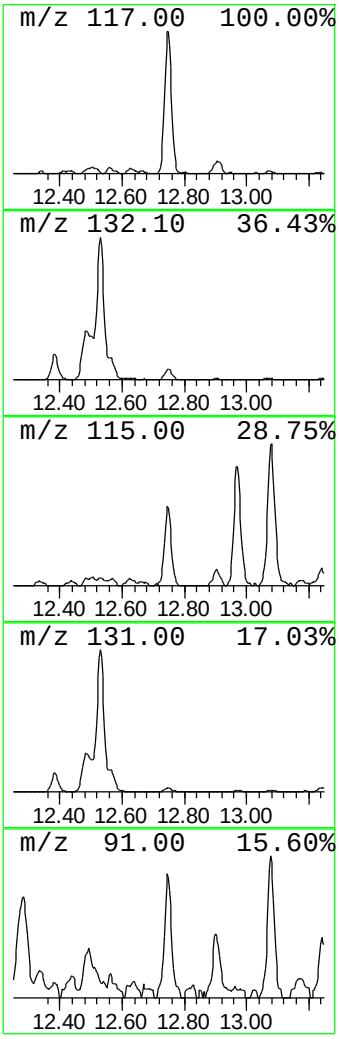
**********

Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.75 | 0.90 ug/L | 72840 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 2 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 92 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 91 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 91 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

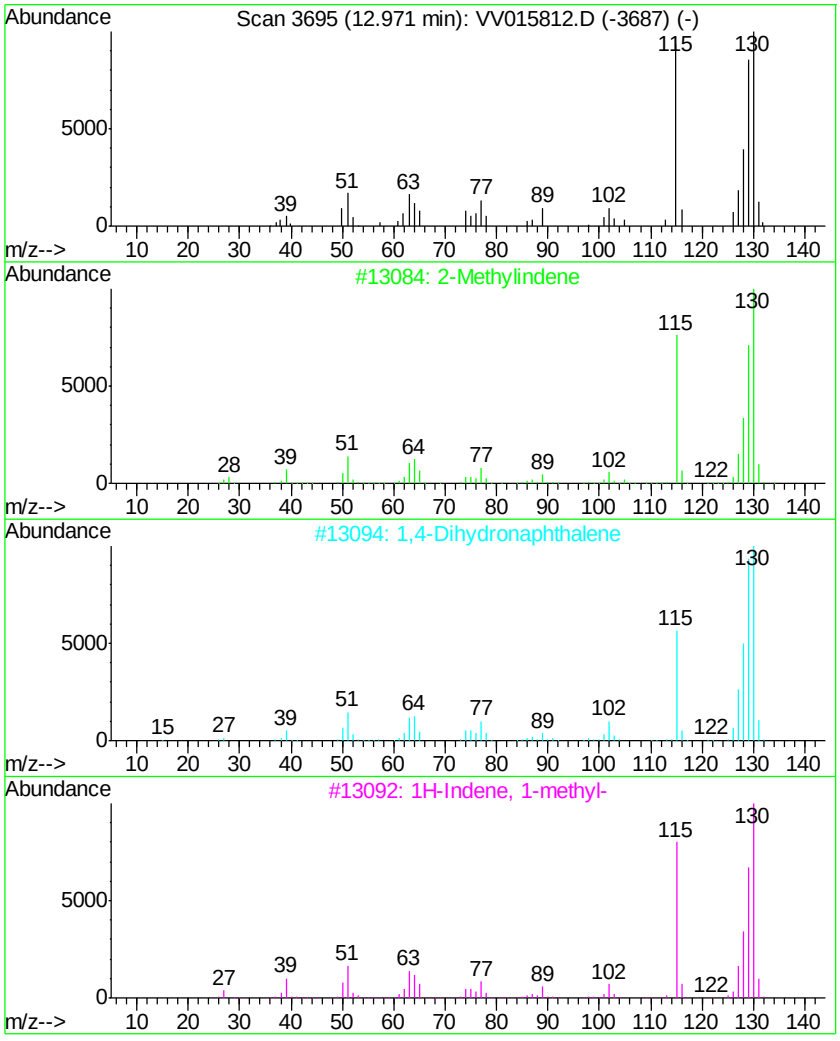
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

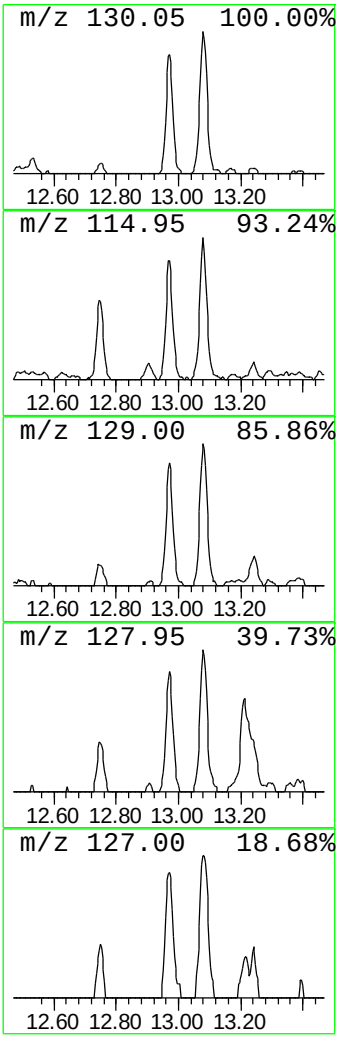
**********

Peak Number 11 2-Methylindene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 0.65 ug/L | 52539 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 96 |
| 2 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 96 |
| 3 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 4 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 95 |
| 5 | Naphthalene, 1,2-dihydro- | 130 | C10H10 | 000447-53-0 | 93 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

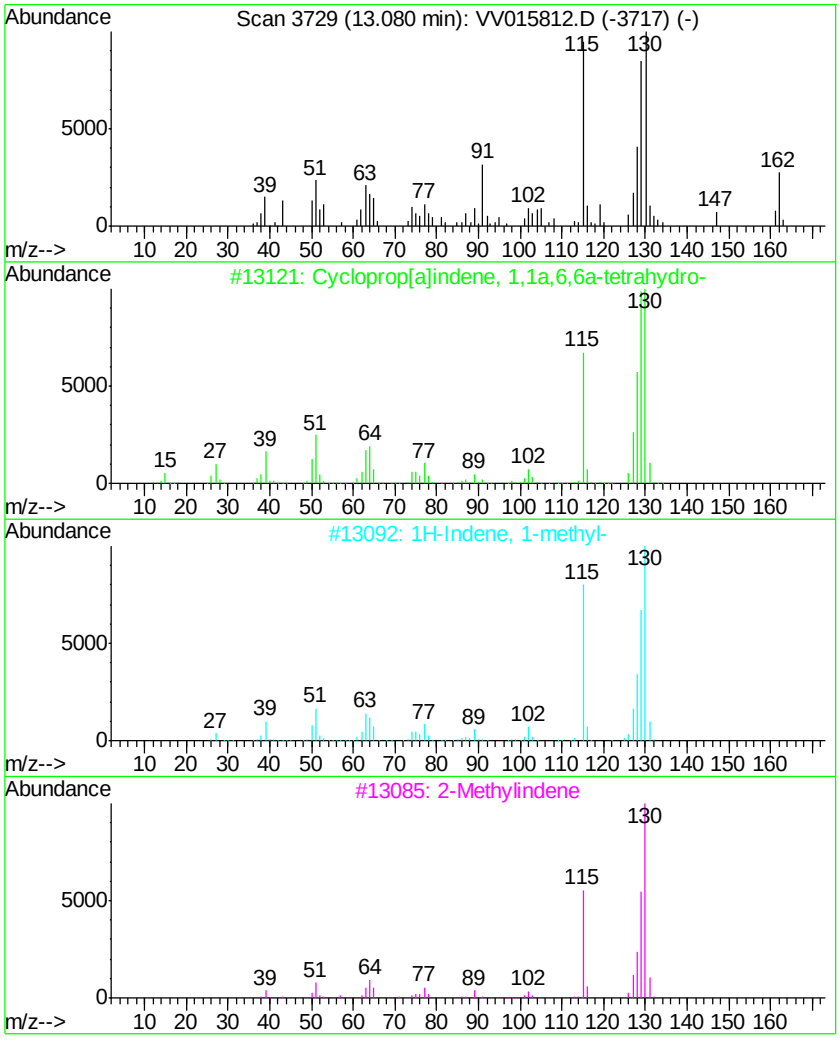
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

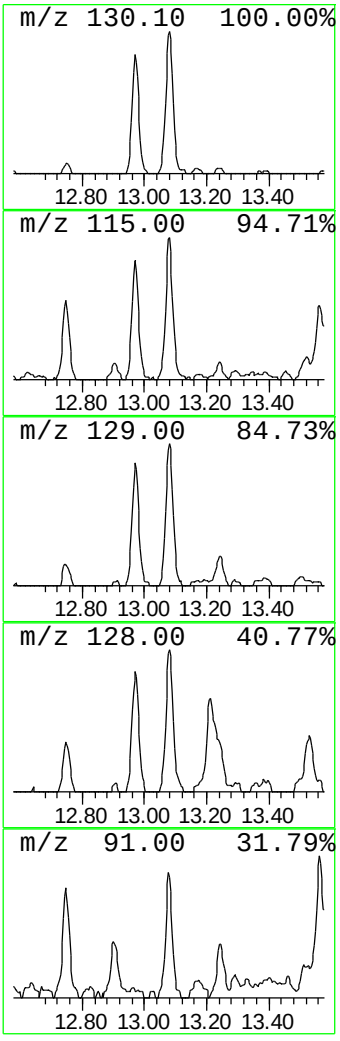
**********

Peak Number 12 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.08 | 1.04 ug/L | 84038 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 96 |
| 2 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 3 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 94 |
| 4 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 94 |
| 5 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 93 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

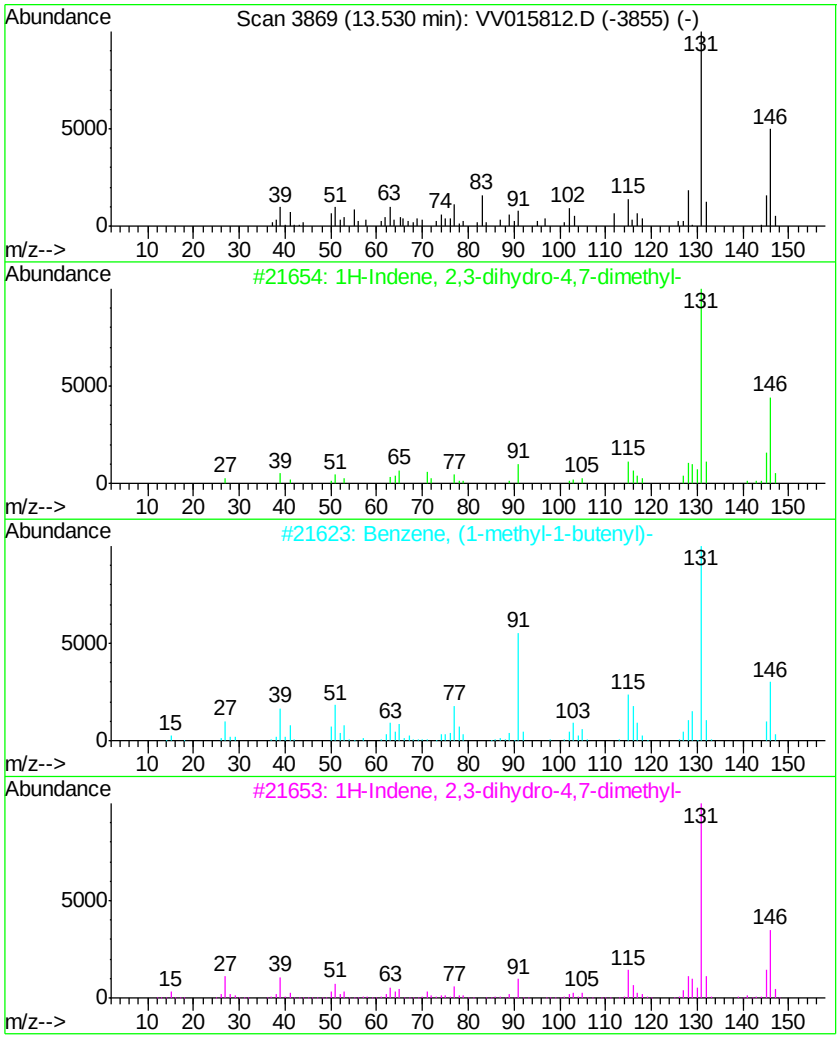
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

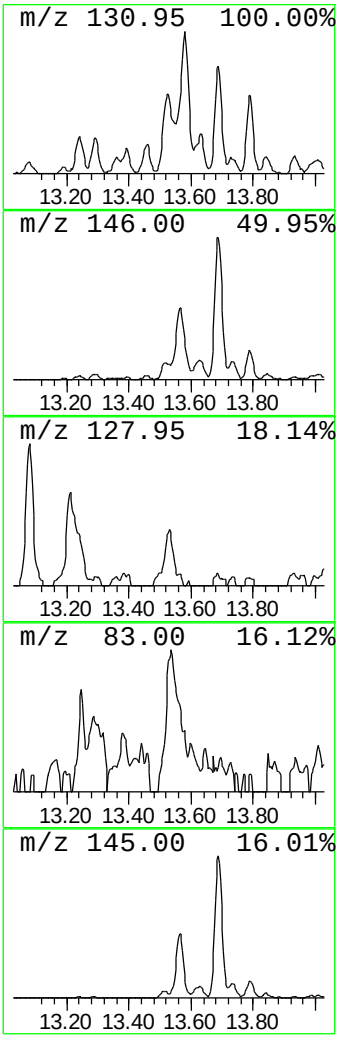
**********

Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.53 | 0.59 ug/L | 47624 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |
| 2 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 87 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 86 |
| 5 | Benzene, (2-methyl-1-methylenepr... | 146 | C11H14 | 017498-71-4 | 86 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

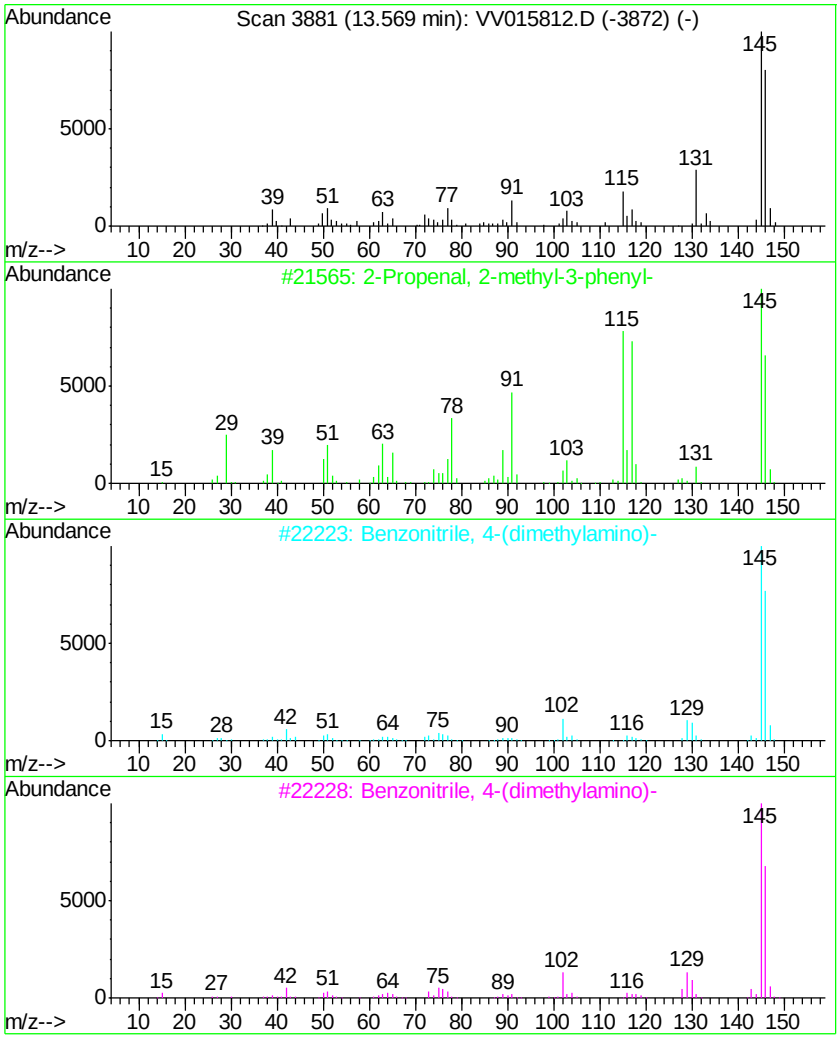
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

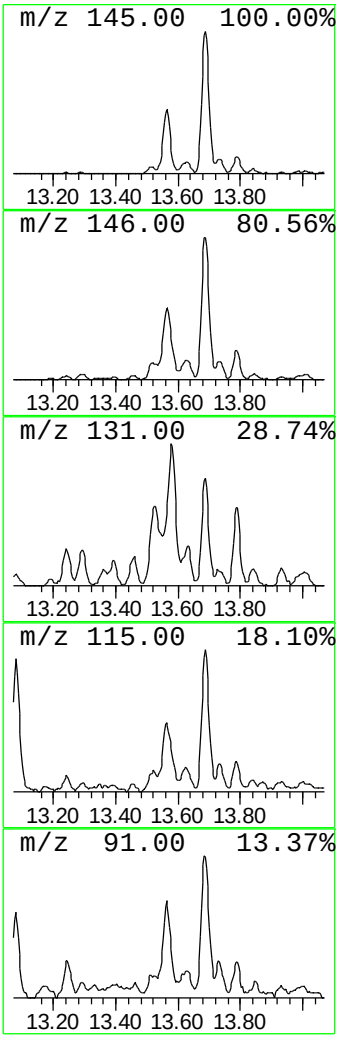
**********

Peak Number 14 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.57 | 1.47 ug/L | 118460 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 72 |
| 2 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 64 |
| 3 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 59 |
| 4 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 56 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 50 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

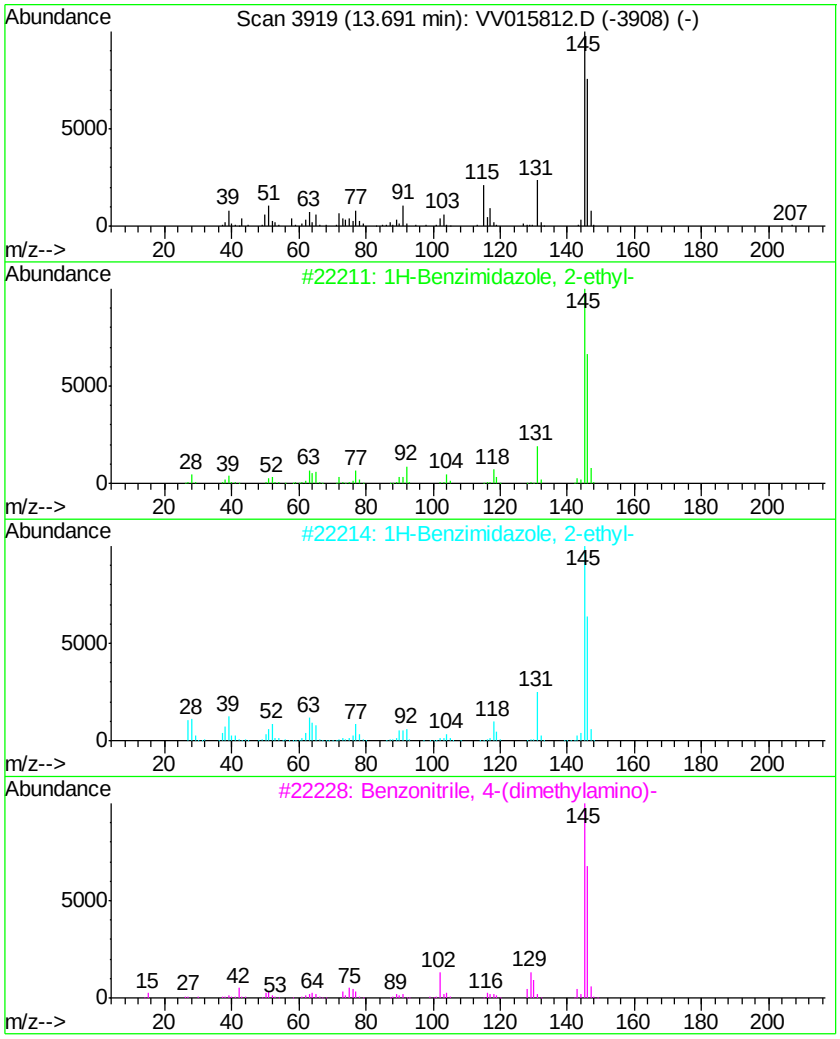
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

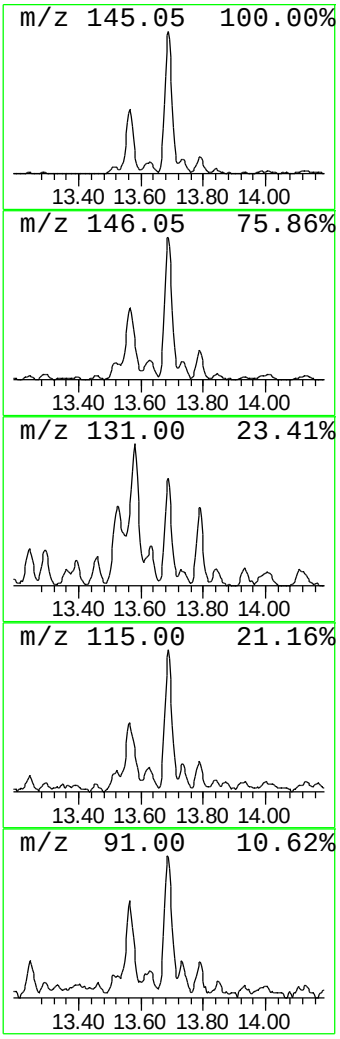
**********

Peak Number 15 1H-Benzimidazole, 2-ethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.69 | 2.41 ug/L | 194047 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 72 |
| 2 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 59 |
| 3 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 53 |
| 4 | Benzonitrile, 4-(dimethylamino)- | 146 | C9H10N2 | 001197-19-9 | 53 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 52 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

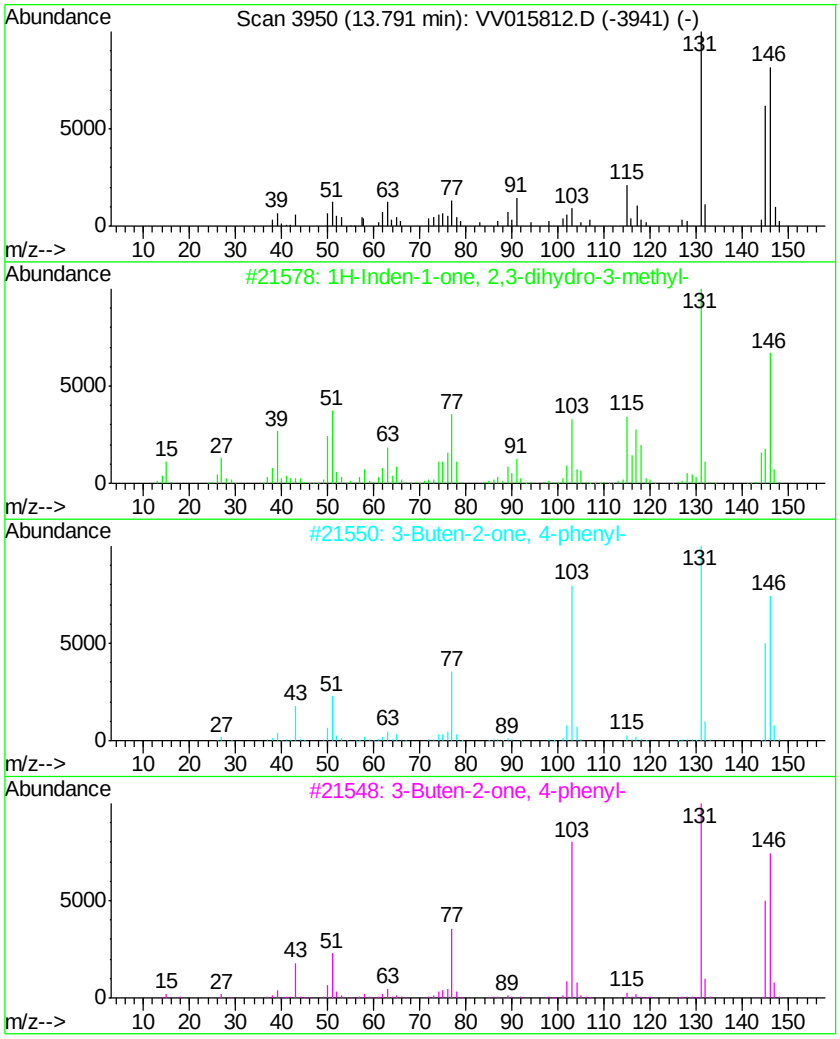
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

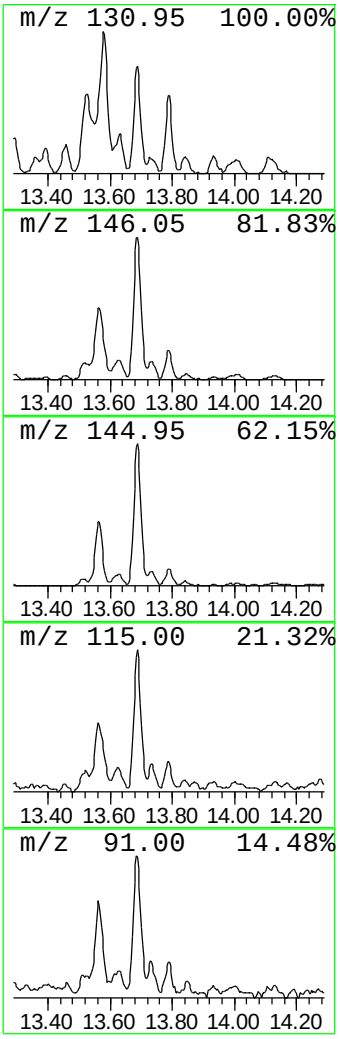
**********

Peak Number 16 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.79 | 0.55 ug/L | 44287 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro-3-me... | 146 | C10H10O | 006072-57-7 | 83 |
| 2 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 80 |
| 3 | 3-Buten-2-one, 4-phenyl- | 146 | C10H10O | 000122-57-6 | 80 |
| 4 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 80 |
| 5 | 3-Buten-2-one, 4-phenyl-, (E)- | 146 | C10H10O | 001896-62-4 | 80 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

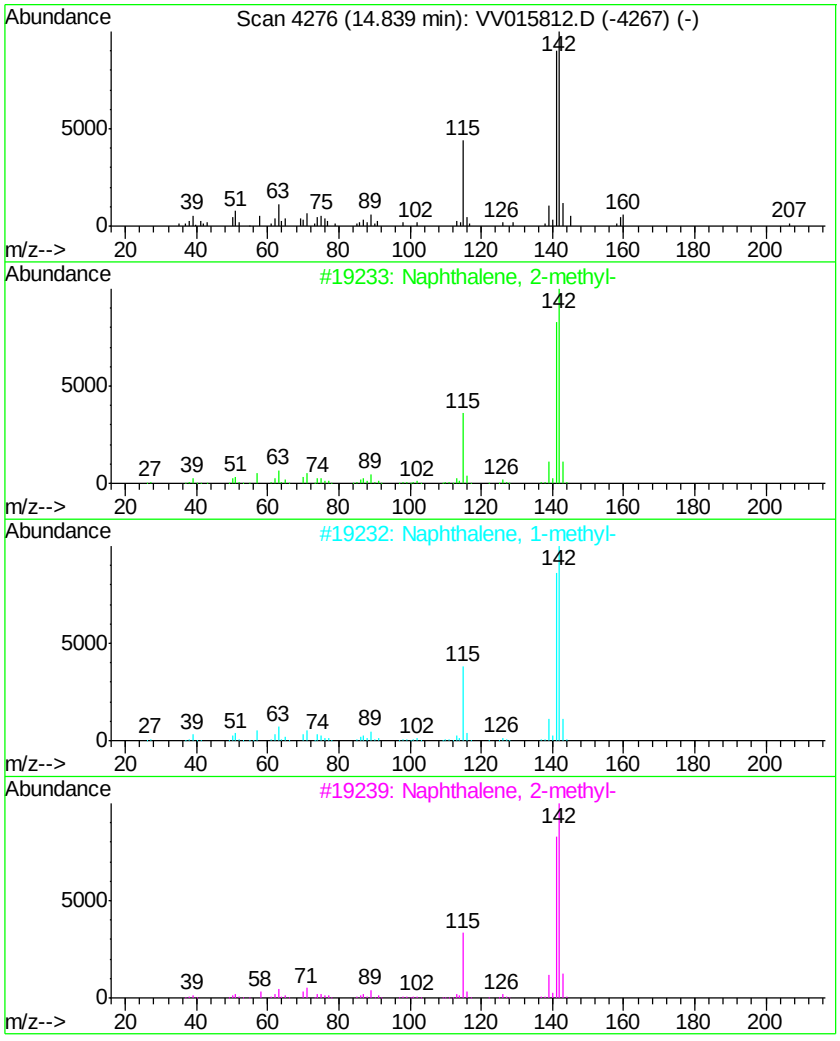
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

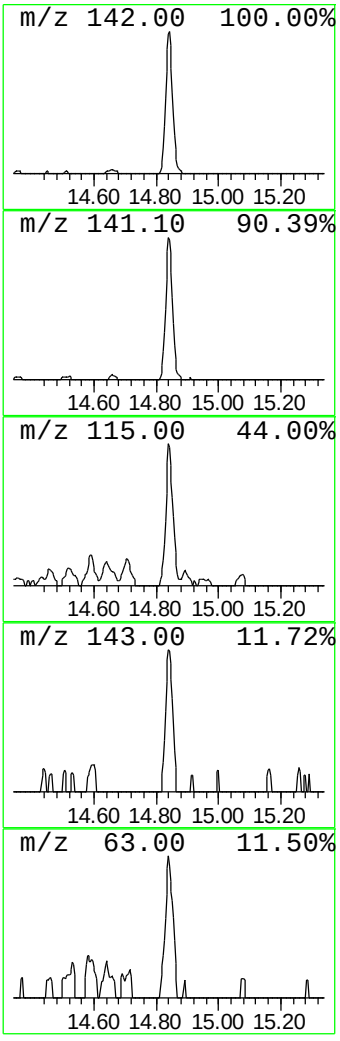
**********

Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.84 | 0.66 ug/L | 52793 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 93 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015812.D
Acq On : 30 Apr 2020 00:54
Operator : SY/MD
Sample : L2431-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** ETKR5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.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 | 1.39 | 1.2 | ug/L | 76885 | 1 | 5.64 | 318267 | 5.0 |
| Benzene, 1,2,3-tr... | 10.94 | 0.9 | ug/L | 72337 | 3 | 11.27 | 402621 | 5.0 |
| Indane | 11.55 | 3.6 | ug/L | 289649 | 3 | 11.27 | 402621 | 5.0 |
| Indene | 11.77 | 0.5 | ug/L | 41370 | 3 | 11.27 | 402621 | 5.0 |
| Indan, 1-methyl- | 12.14 | 0.7 | ug/L | 52336 | 3 | 11.27 | 402621 | 5.0 |
| Benzofuran, 7-met... | 12.38 | 1.0 | ug/L | 79478 | 3 | 11.27 | 402621 | 5.0 |
| Benzofuran, 2-met... | 12.49 | 3.0 | ug/L | 245271 | 3 | 11.27 | 402621 | 5.0 |
| 1H-Pyrrolo[2,3-b]... | 12.53 | 4.2 | ug/L | 334857 | 3 | 11.27 | 402621 | 5.0 |
| Benzene, 1-etheny... | 12.75 | 0.9 | ug/L | 72840 | 3 | 11.27 | 402621 | 5.0 |
| 2-Methylindene | 12.97 | 0.7 | ug/L | 52539 | 3 | 11.27 | 402621 | 5.0 |
| Cycloprop[a]inden... | 13.08 | 1.0 | ug/L | 84038 | 3 | 11.27 | 402621 | 5.0 |
| 1H-Indene, 2,3-di... | 13.53 | 0.6 | ug/L | 47624 | 3 | 11.27 | 402621 | 5.0 |
| 2-Propenal, 2-met... | 13.57 | 1.5 | ug/L | 118460 | 3 | 11.27 | 402621 | 5.0 |
| 1H-Benzimidazole,... | 13.69 | 2.4 | ug/L | 194047 | 3 | 11.27 | 402621 | 5.0 |
| 1H-Inden-1-one, 2... | 13.79 | 0.6 | ug/L | 44287 | 3 | 11.27 | 402621 | 5.0 |
| Naphthalene, 1-me... | 14.84 | 0.7 | ug/L | 52793 | 3 | 11.27 | 402621 | 5.0 |