LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.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 | 2.636 | 393 | 403 | 417 | rBV | 155588 | 263096 | 1.22% | 0.242% |
| 2 | 3.433 | 637 | 651 | 665 | rBV | 121856 | 261375 | 1.21% | 0.240% |
| 3 | 4.617 | 1003 | 1019 | 1041 | rVB3 | 96632 | 239359 | 1.11% | 0.220% |
| 4 | 4.771 | 1041 | 1067 | 1124 | rBV2 | 251397 | 1082625 | 5.02% | 0.994% |
| 5 | 5.173 | 1177 | 1192 | 1202 | rBV | 174467 | 386570 | 1.79% | 0.355% |
| 6 | 5.478 | 1271 | 1287 | 1299 | rBV3 | 183255 | 464459 | 2.15% | 0.426% |
| 7 | 5.552 | 1299 | 1310 | 1329 | rVB | 213796 | 473051 | 2.19% | 0.434% |
| 8 | 5.813 | 1374 | 1391 | 1398 | rBV2 | 380512 | 878495 | 4.07% | 0.806% |
| 9 | 5.861 | 1398 | 1406 | 1419 | rVV | 689763 | 1424170 | 6.60% | 1.307% |
| 10 | 5.932 | 1419 | 1428 | 1439 | rVV3 | 157742 | 331092 | 1.53% | 0.304% |
| 11 | 6.324 | 1535 | 1550 | 1577 | rVB | 371433 | 700032 | 3.24% | 0.643% |
| 12 | 6.761 | 1672 | 1686 | 1695 | rBV2 | 221087 | 446304 | 2.07% | 0.410% |
| 13 | 6.822 | 1697 | 1705 | 1716 | rVB3 | 125543 | 251778 | 1.17% | 0.231% |
| 14 | 7.941 | 2044 | 2053 | 2064 | rVB | 400366 | 674645 | 3.13% | 0.619% |
| 15 | 8.012 | 2064 | 2075 | 2090 | rBV | 1087207 | 1836785 | 8.51% | 1.686% |
| 16 | 8.678 | 2264 | 2282 | 2296 | rBV | 736684 | 1361470 | 6.31% | 1.250% |
| 17 | 9.449 | 2509 | 2522 | 2524 | rBV | 528701 | 763190 | 3.54% | 0.701% |
| 18 | 9.475 | 2525 | 2530 | 2544 | rVB | 788012 | 1248018 | 5.78% | 1.146% |
| 19 | 9.597 | 2556 | 2568 | 2592 | rBV | 2659765 | 4452375 | 20.63% | 4.087% |
| 20 | 9.719 | 2592 | 2606 | 2624 | rBV | 12829119 | 21586434 | 100.00% | 19.815% |
| 21 | 10.124 | 2715 | 2732 | 2758 | rVB | 8556450 | 13858634 | 64.20% | 12.721% |
| 22 | 10.504 | 2833 | 2850 | 2864 | rBV | 526810 | 879526 | 4.07% | 0.807% |
| 23 | 10.587 | 2864 | 2876 | 2895 | rVB | 976799 | 1617932 | 7.50% | 1.485% |
| 24 | 10.777 | 2924 | 2935 | 2946 | rBV | 201411 | 338870 | 1.57% | 0.311% |
| 25 | 10.922 | 2965 | 2980 | 2997 | rVB | 1467796 | 2495033 | 11.56% | 2.290% |
| 26 | 11.015 | 2997 | 3009 | 3014 | rBV | 1980640 | 3268575 | 15.14% | 3.000% |
| 27 | 11.105 | 3027 | 3037 | 3056 | rVB | 1484912 | 2275773 | 10.54% | 2.089% |
| 28 | 11.247 | 3071 | 3081 | 3089 | rBV | 198861 | 294099 | 1.36% | 0.270% |
| 29 | 11.308 | 3089 | 3100 | 3113 | rVB | 1490307 | 2282706 | 10.57% | 2.095% |
| 30 | 11.481 | 3141 | 3154 | 3170 | rVB | 5340247 | 8197548 | 37.98% | 7.525% |
| 31 | 11.825 | 3248 | 3261 | 3275 | rBV3 | 609524 | 1274736 | 5.91% | 1.170% |
| 32 | 11.909 | 3277 | 3287 | 3298 | rVB | 2096315 | 3225053 | 14.94% | 2.960% |
| 33 | 12.108 | 3332 | 3349 | 3367 | rVV2 | 1561037 | 2838235 | 13.15% | 2.605% |
| 34 | 12.224 | 3367 | 3385 | 3403 | rVB5 | 1855004 | 4535178 | 21.01% | 4.163% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.391 | 3424 | 3437 | 3453 | rVB | 352764 | 585657 | 2.71% | 0.538% |
| 36 | 12.478 | 3453 | 3464 | 3470 | rBV | 335226 | 554591 | 2.57% | 0.509% |
| 37 | 12.510 | 3471 | 3474 | 3481 | rVV | 216338 | 257824 | 1.19% | 0.237% |
| 38 | 12.558 | 3481 | 3489 | 3492 | rVV | 370779 | 526405 | 2.44% | 0.483% |
| 39 | 12.584 | 3493 | 3497 | 3505 | rVV | 534839 | 770183 | 3.57% | 0.707% |
| 40 | 12.700 | 3523 | 3533 | 3553 | rVV4 | 327145 | 913364 | 4.23% | 0.838% |
| 41 | 12.838 | 3568 | 3576 | 3585 | rVV | 570796 | 909170 | 4.21% | 0.835% |
| 42 | 12.896 | 3585 | 3594 | 3606 | rVB | 343499 | 567456 | 2.63% | 0.521% |
| 43 | 12.992 | 3607 | 3624 | 3633 | rBV | 956174 | 1504317 | 6.97% | 1.381% |
| 44 | 13.047 | 3633 | 3641 | 3657 | rVB | 674290 | 1049829 | 4.86% | 0.964% |
| 45 | 13.160 | 3659 | 3676 | 3690 | rBV5 | 108610 | 300245 | 1.39% | 0.276% |
| 46 | 13.317 | 3715 | 3725 | 3737 | rVB | 567248 | 859426 | 3.98% | 0.789% |
| 47 | 13.478 | 3765 | 3775 | 3789 | rVB2 | 1316882 | 2150710 | 9.96% | 1.974% |
| 48 | 13.642 | 3816 | 3826 | 3842 | rVB4 | 129533 | 325585 | 1.51% | 0.299% |
| 49 | 13.883 | 3886 | 3901 | 3910 | rBV2 | 704632 | 1376205 | 6.38% | 1.263% |
| 50 | 14.115 | 3962 | 3973 | 3995 | rVB | 366327 | 627271 | 2.91% | 0.576% |
| 51 | 14.597 | 4113 | 4123 | 4145 | rVB | 276915 | 488114 | 2.26% | 0.448% |
| 52 | 14.848 | 4180 | 4201 | 4216 | rBV | 312326 | 608336 | 2.82% | 0.558% |
| 53 | 15.047 | 4248 | 4263 | 4271 | rBV4 | 105276 | 222494 | 1.03% | 0.204% |
| 54 | 15.121 | 4272 | 4286 | 4297 | rVV5 | 157655 | 378924 | 1.76% | 0.348% |
| 55 | 16.005 | 4539 | 4561 | 4587 | rVB | 393780 | 759595 | 3.52% | 0.697% |
| 56 | 16.150 | 4588 | 4606 | 4629 | rBV | 3820003 | 6100003 | 28.26% | 5.599% |
| 57 | 16.844 | 4812 | 4822 | 4843 | rBV2 | 209164 | 376564 | 1.74% | 0.346% |
| 58 | 16.970 | 4851 | 4861 | 4871 | rBV | 128267 | 219940 | 1.02% | 0.202% |

Sum of corrected areas: 108939429

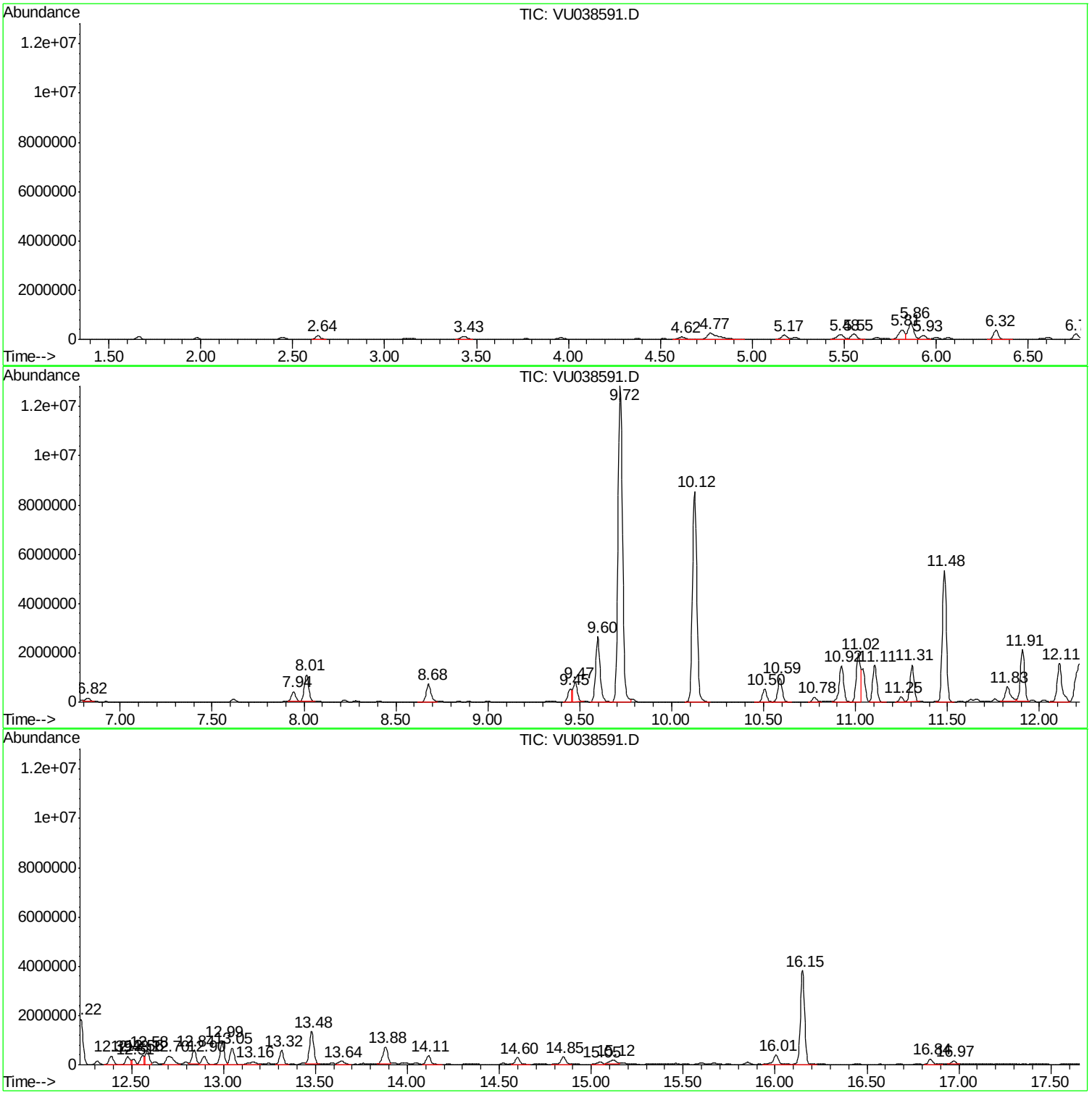
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

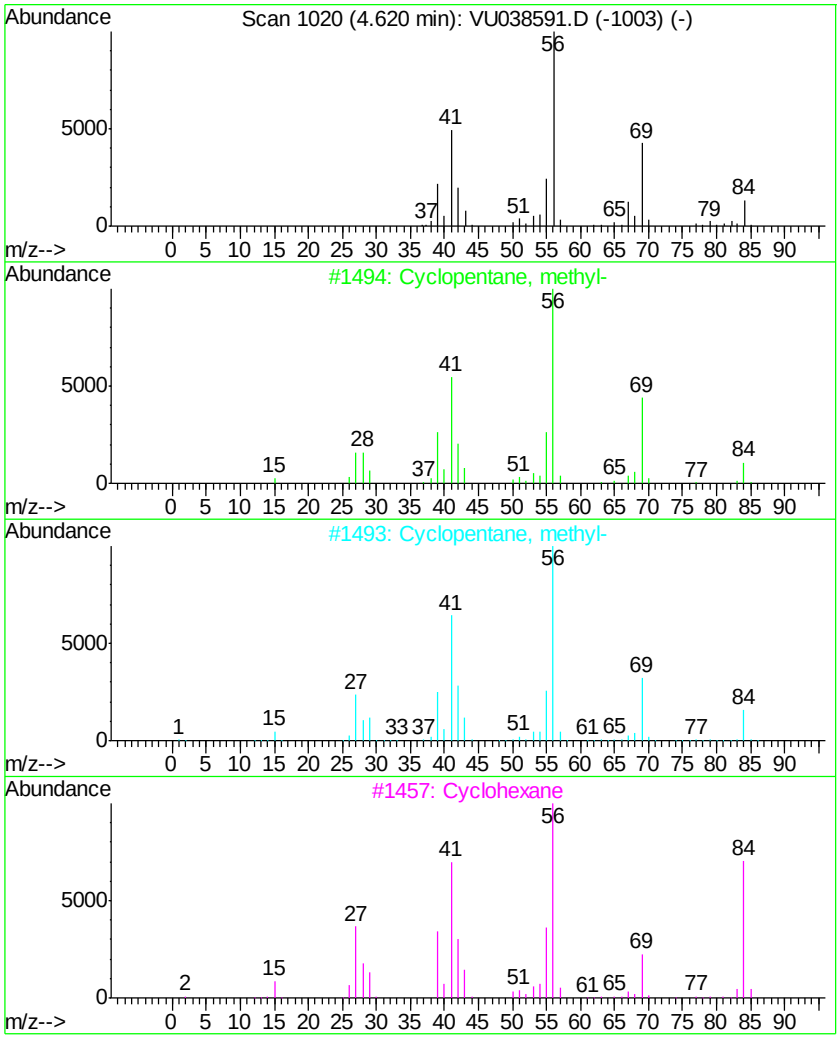
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

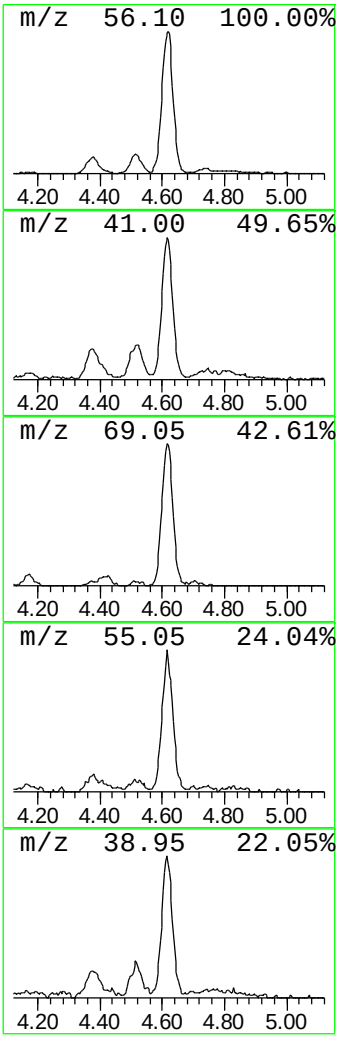
**********

Peak Number 1 (DEL) Alkane: Cyclic4.62 Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.62 | 1.71 ug/L | 239359 | 1,4-Difluorobenzene | 6.32 |

| 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 | 87 |
| 4 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 80 |
| 5 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

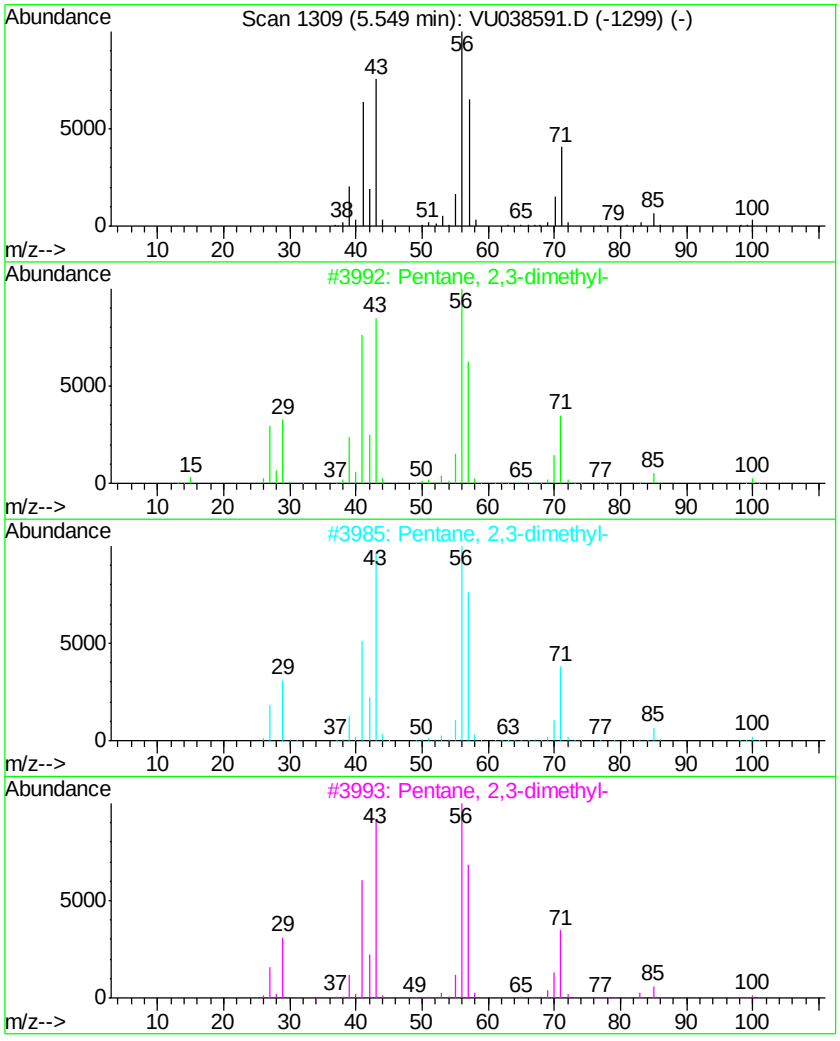
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

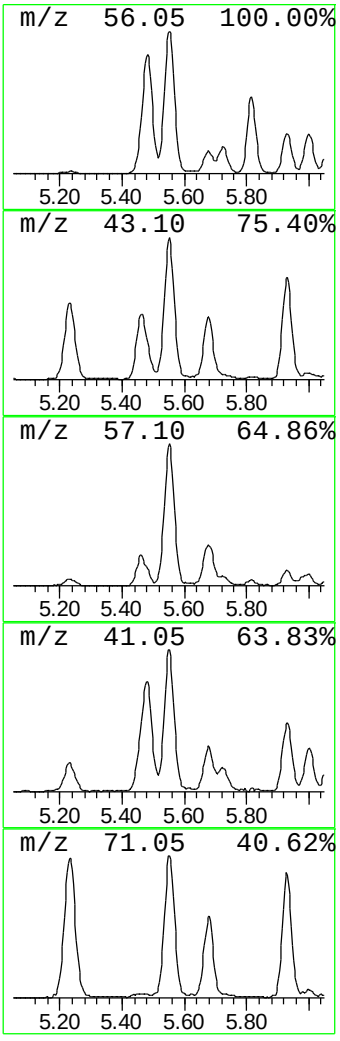
**********

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.55 | 3.38 ug/L | 473051 | 1,4-Difluorobenzene | 6.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 95 |
| 2 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 4 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 83 |
| 5 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

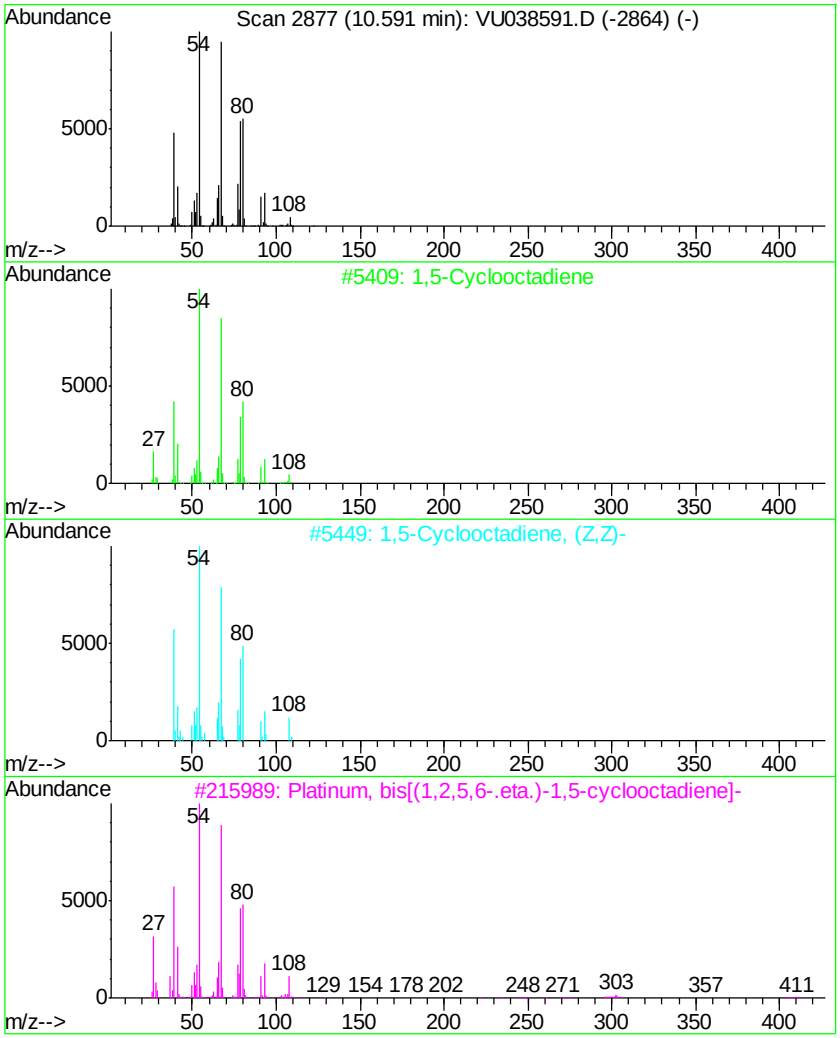
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

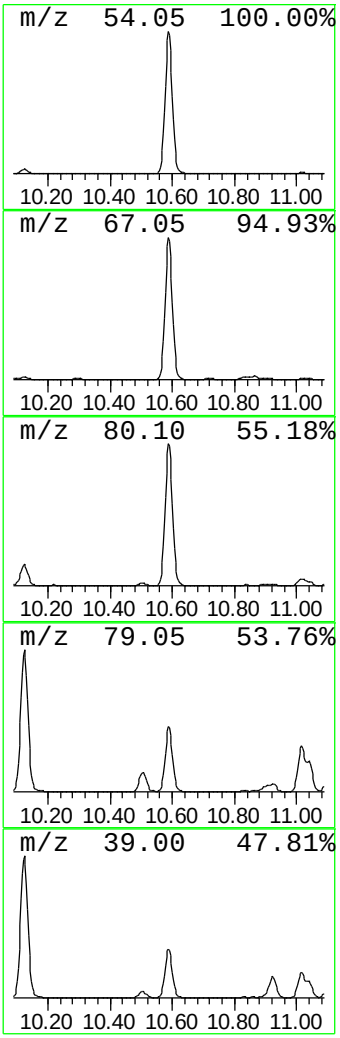
**********

Peak Number 3 1,5-Cyclooctadiene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.59 | 10.60 ug/L | 1617930 | Chlorobenzene-d5 | 9.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Cyclooctadiene | 108 | C8H12 | 000111-78-4 | 87 |
| 2 | 1,5-Cyclooctadiene, (Z,Z)- | 108 | C8H12 | 001552-12-1 | 83 |
| 3 | Platinum, bis[(1,2,5,6-.eta.)-1,... | 411 | C16H24Pt | 012130-66-4 | 78 |
| 4 | 1,5-Cyclooctadiene | 108 | C8H12 | 000111-78-4 | 72 |
| 5 | 1,5-Cyclooctadiene, (E,E)- | 108 | C8H12 | 017612-50-9 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

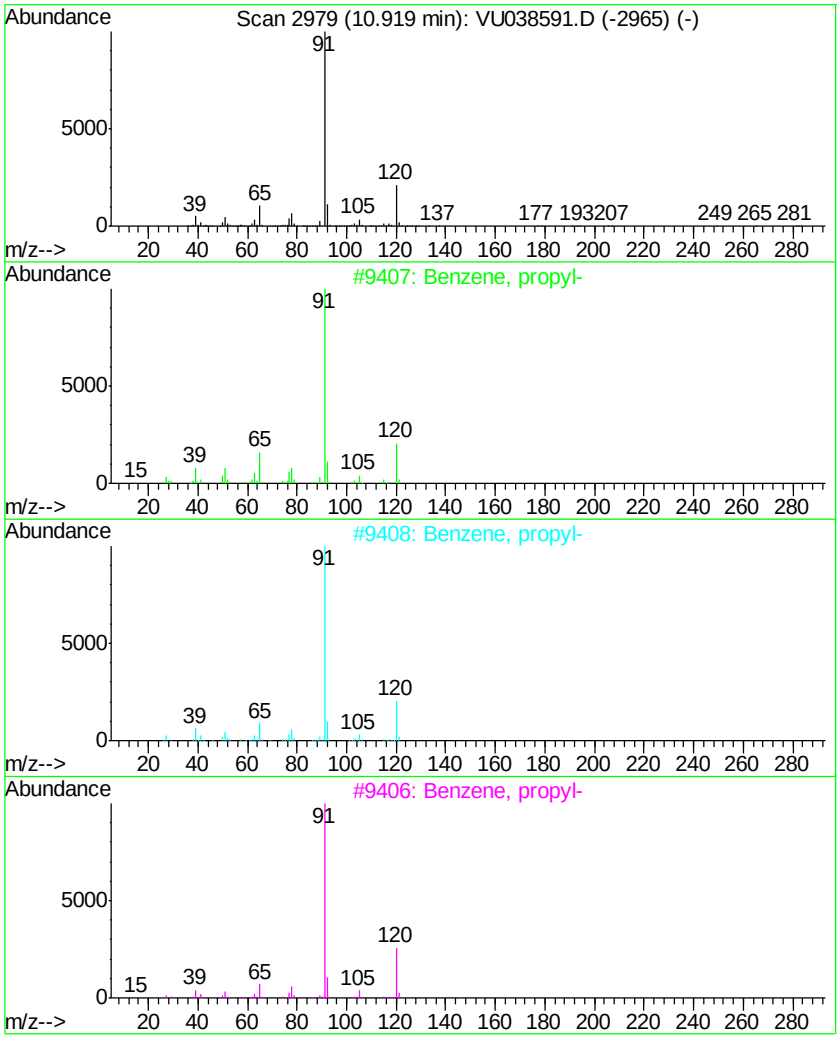
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

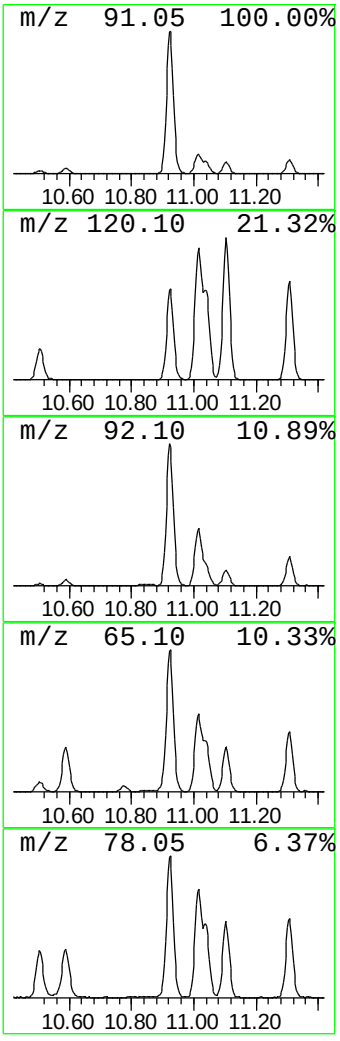
**********

Peak Number 4 Benzene, propyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.92 | 9.79 ug/L | 2495030 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 91 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 4 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 72 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 64 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

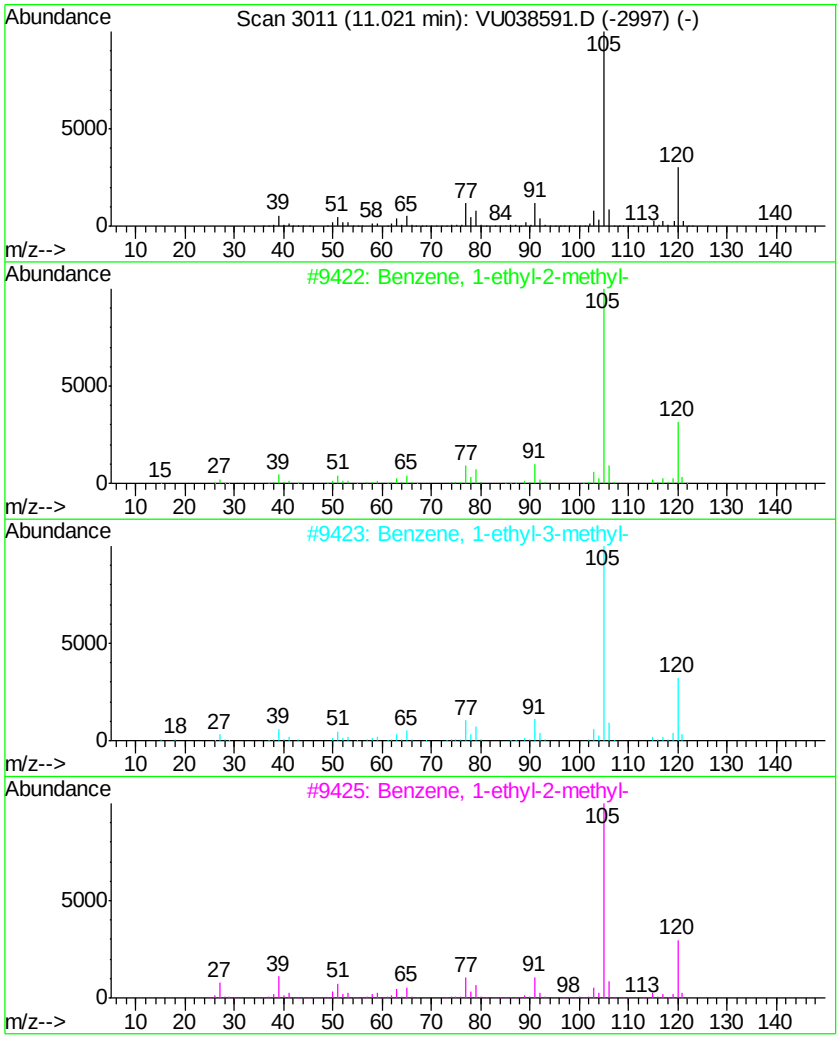
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

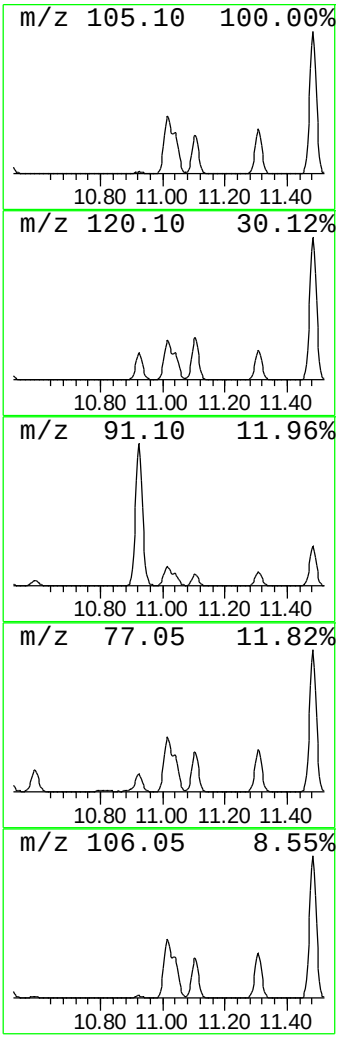
**********

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.02 | 12.82 ug/L | 3268580 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

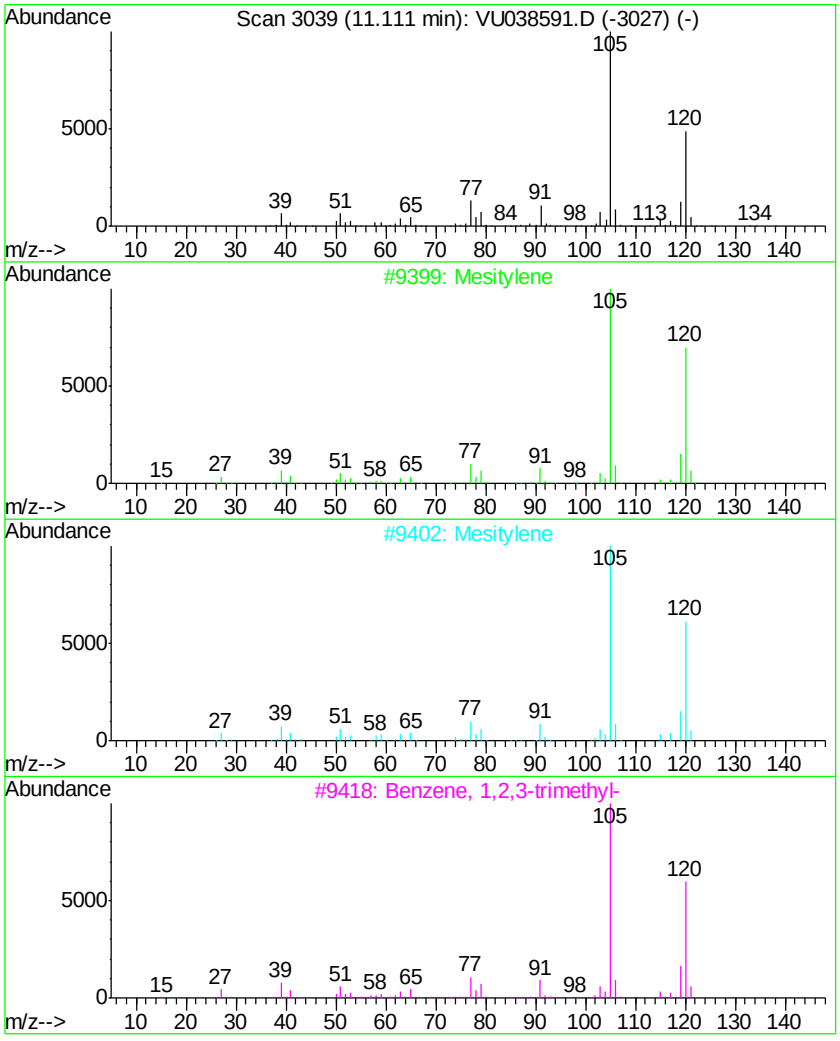
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

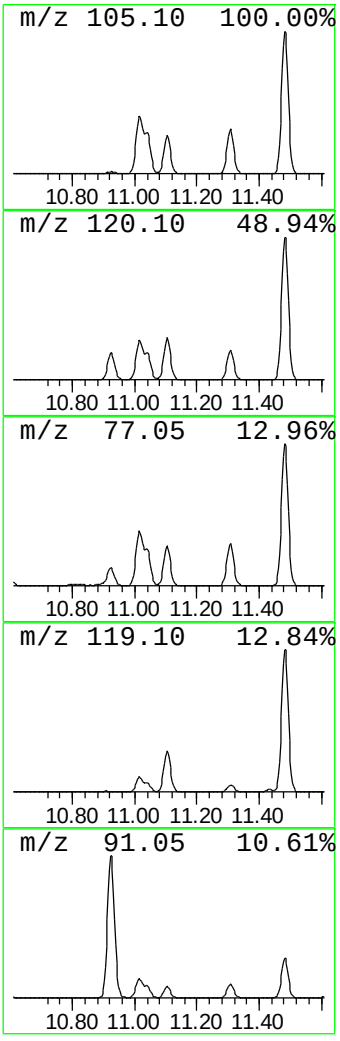
**********

Peak Number 6 Mesitylene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.11 | 8.93 ug/L | 2275770 | 1,4-Dichlorobenzene-d4 | 11.83 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

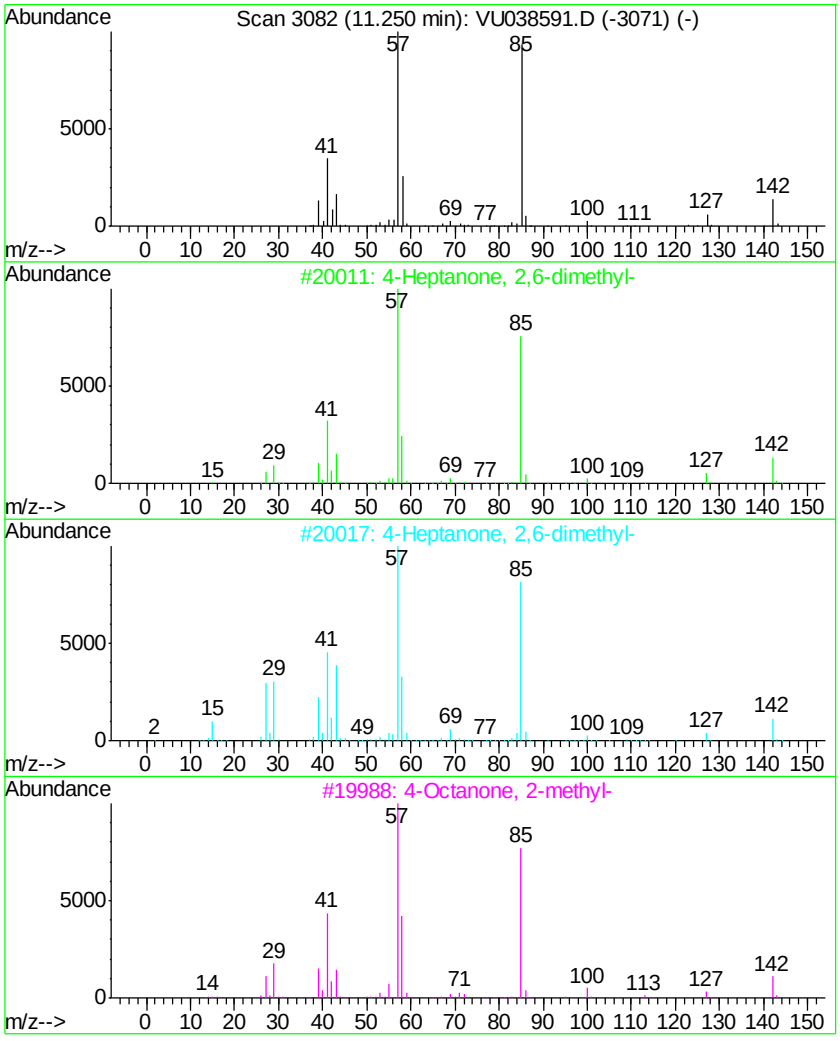
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

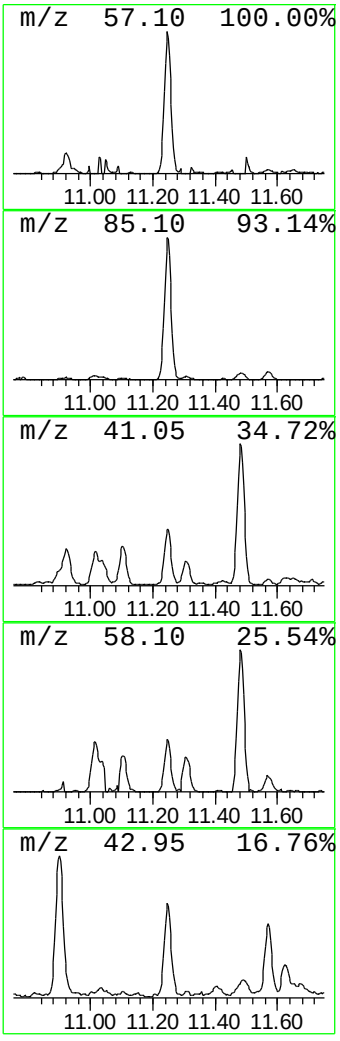
**********

Peak Number 7 4-Heptanone, 2,6-dimethyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.25 | 1.15 ug/L | 294099 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Heptanone, 2,6-dimethyl- | 142 | C9H18O | 000108-83-8 | 94 |
| 2 | 4-Heptanone, 2,6-dimethyl- | 142 | C9H18O | 000108-83-8 | 90 |
| 3 | 4-Octanone, 2-methyl- | 142 | C9H18O | 007492-38-8 | 72 |
| 4 | 4-Heptanone, 2-methyl- | 128 | C8H16O | 000626-33-5 | 64 |
| 5 | 5-Nonanone | 142 | C9H18O | 000502-56-7 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

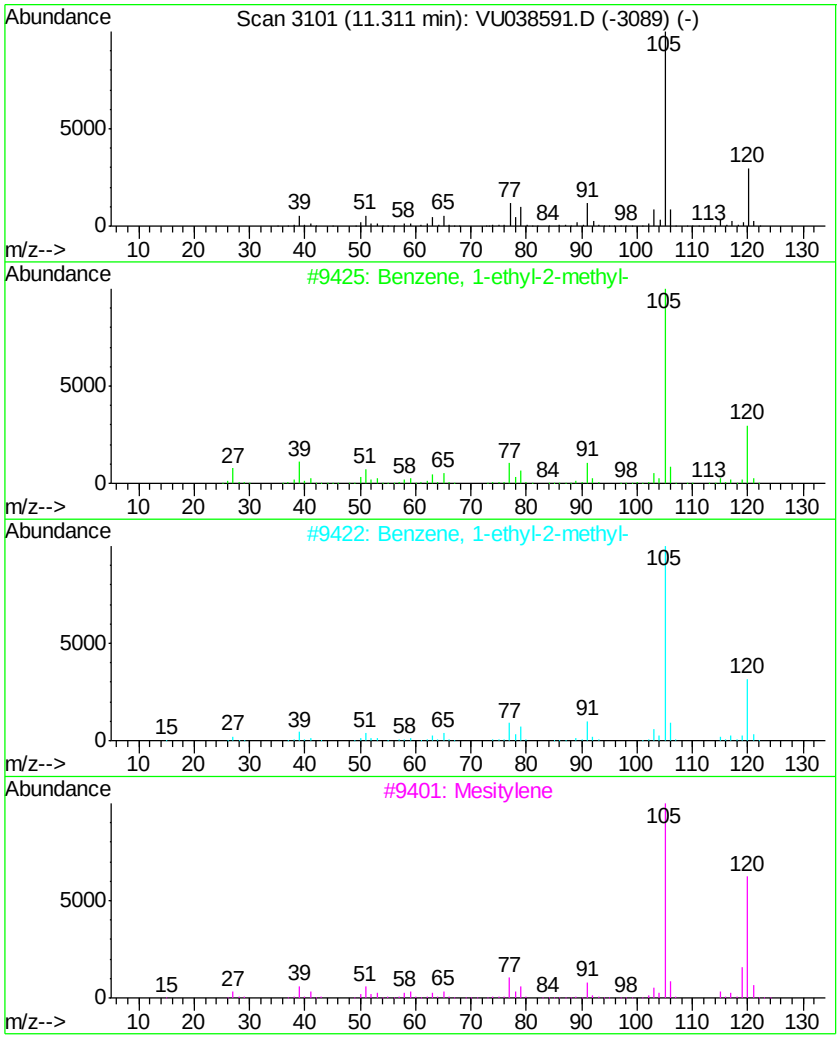
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

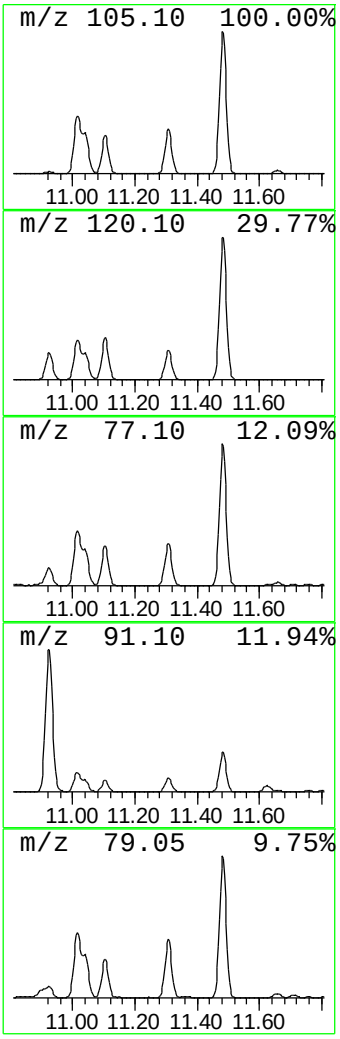
**********

Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.31 | 8.95 ug/L | 2282710 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

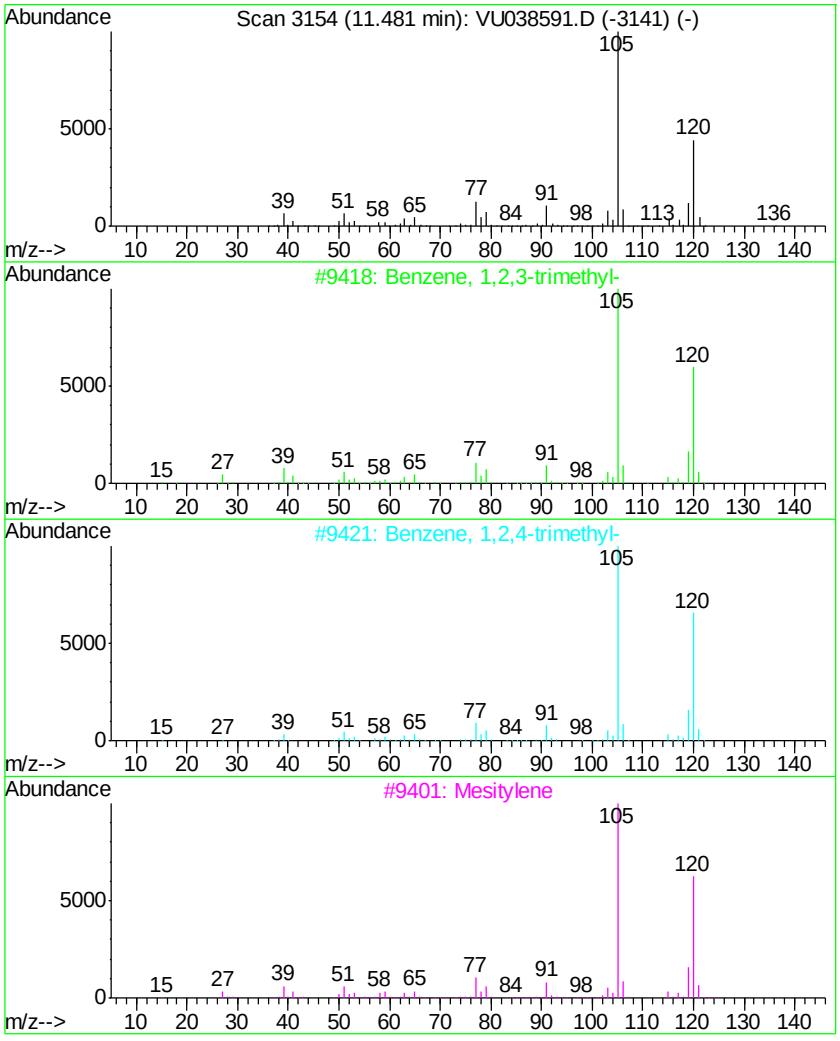
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

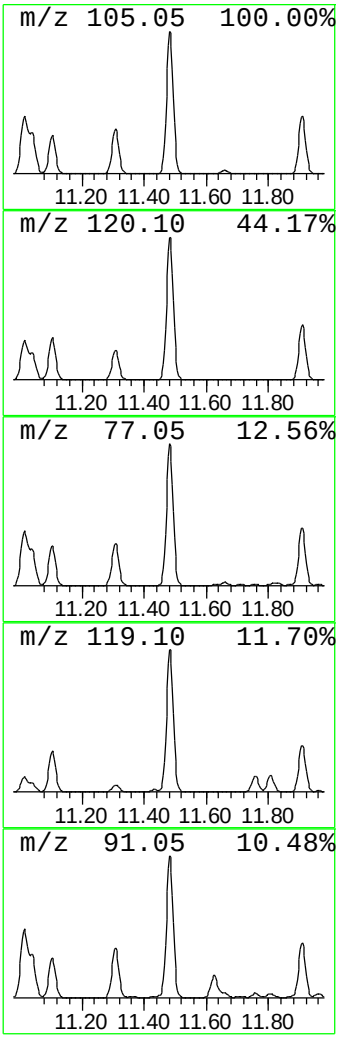
**********

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.48 | 32.15 ug/L | 8197550 | 1,4-Dichlorobenzene-d4 | 11.83 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

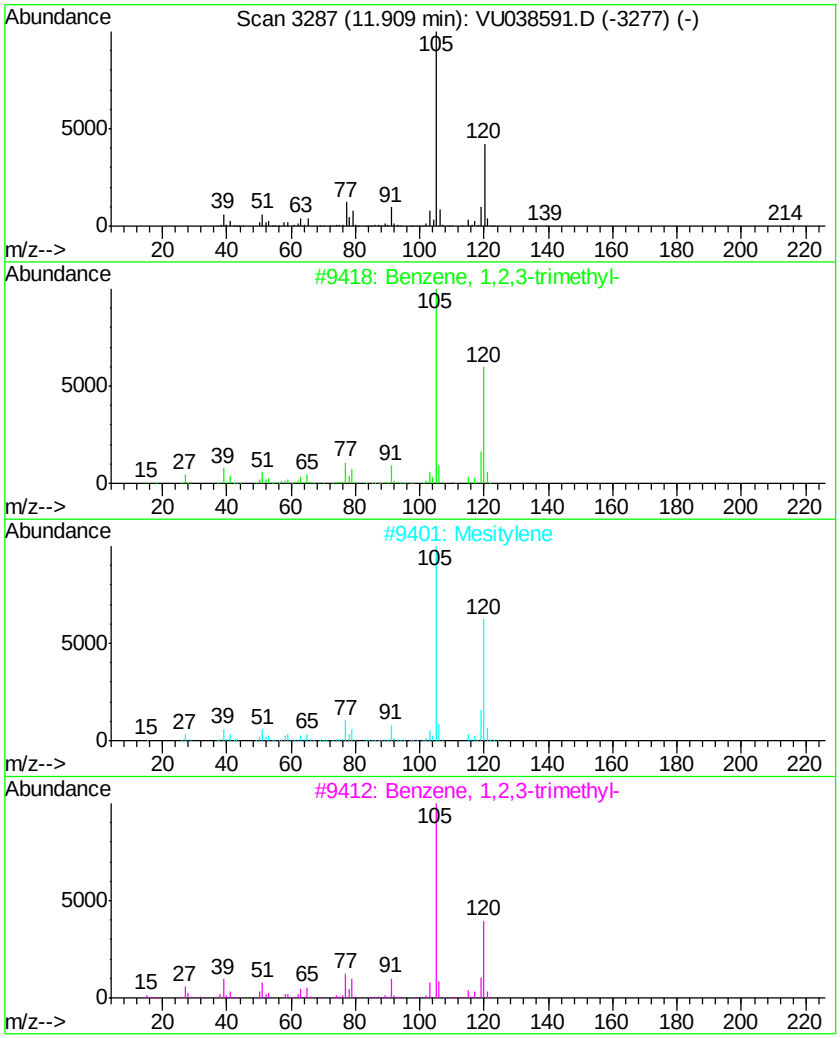
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

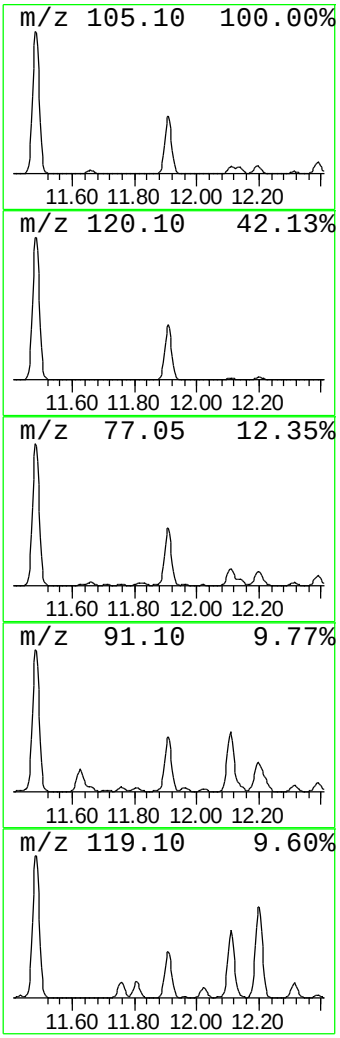
**********

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.91 | 12.65 ug/L | 3225050 | 1,4-Dichlorobenzene-d4 | 11.83 |

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

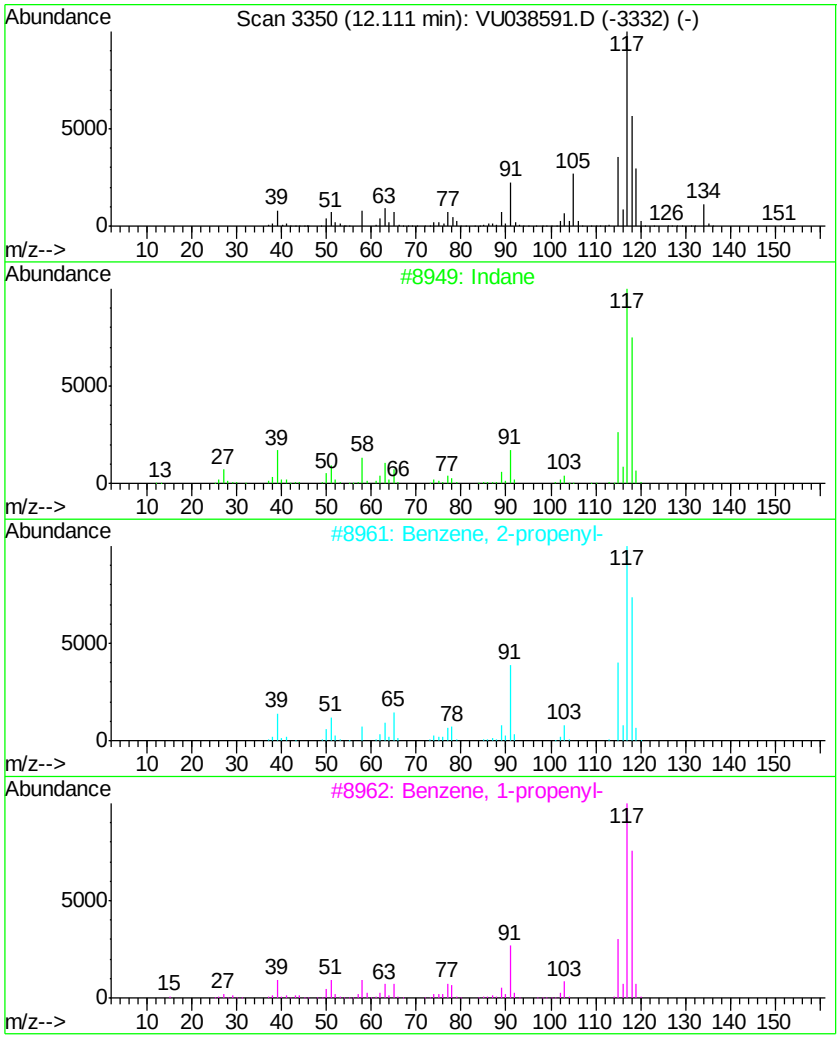
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

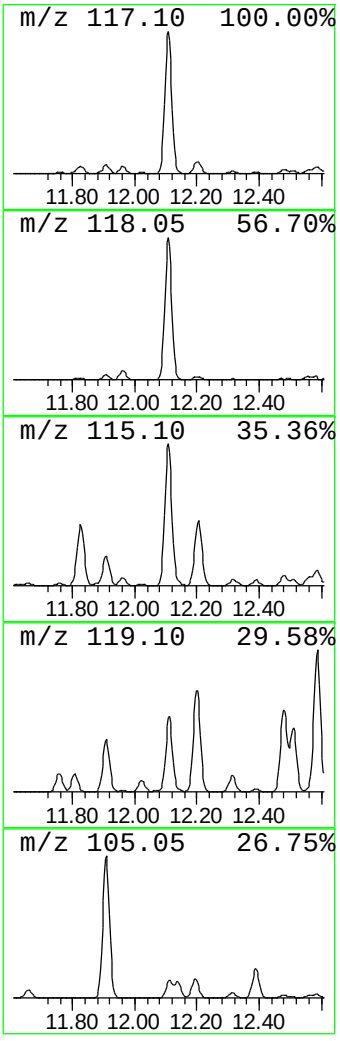
**********

Peak Number 11 Indane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.11 | 11.13 ug/L | 2838240 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 2 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 70 |
| 3 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 64 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 64 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

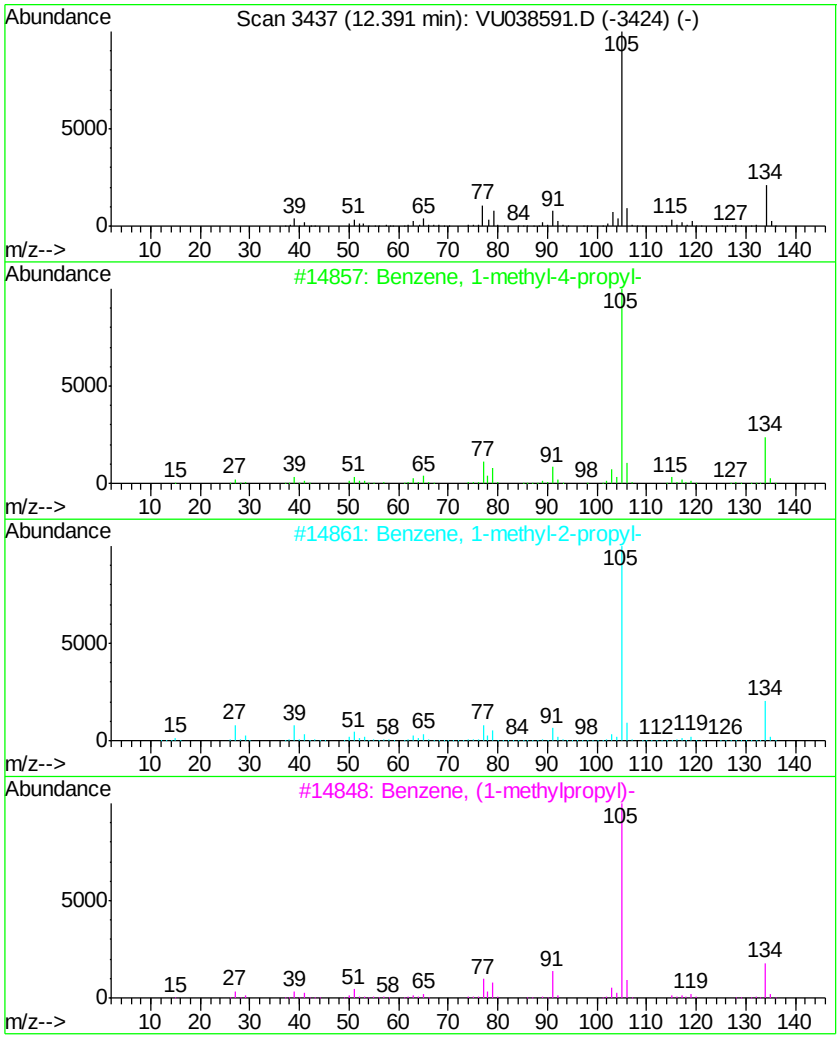
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

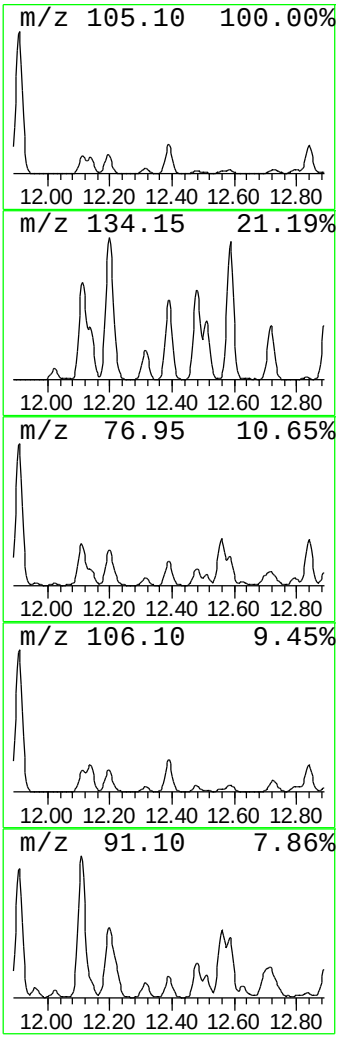
**********

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.39 | 2.30 ug/L | 585657 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 95 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 91 |
| 4 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 5 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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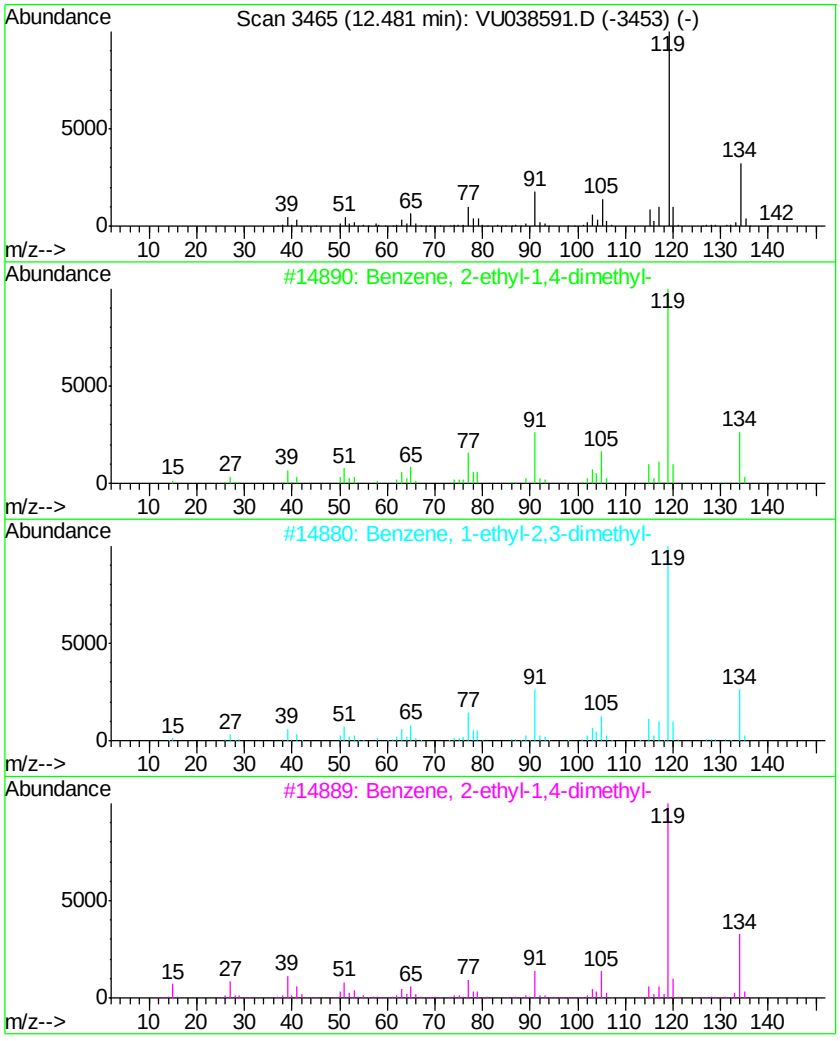
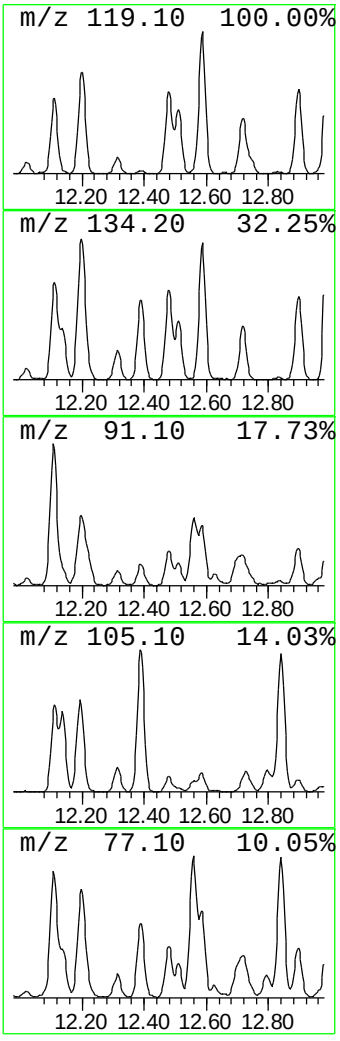
Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.48 | 2.18 ug/L | 554591 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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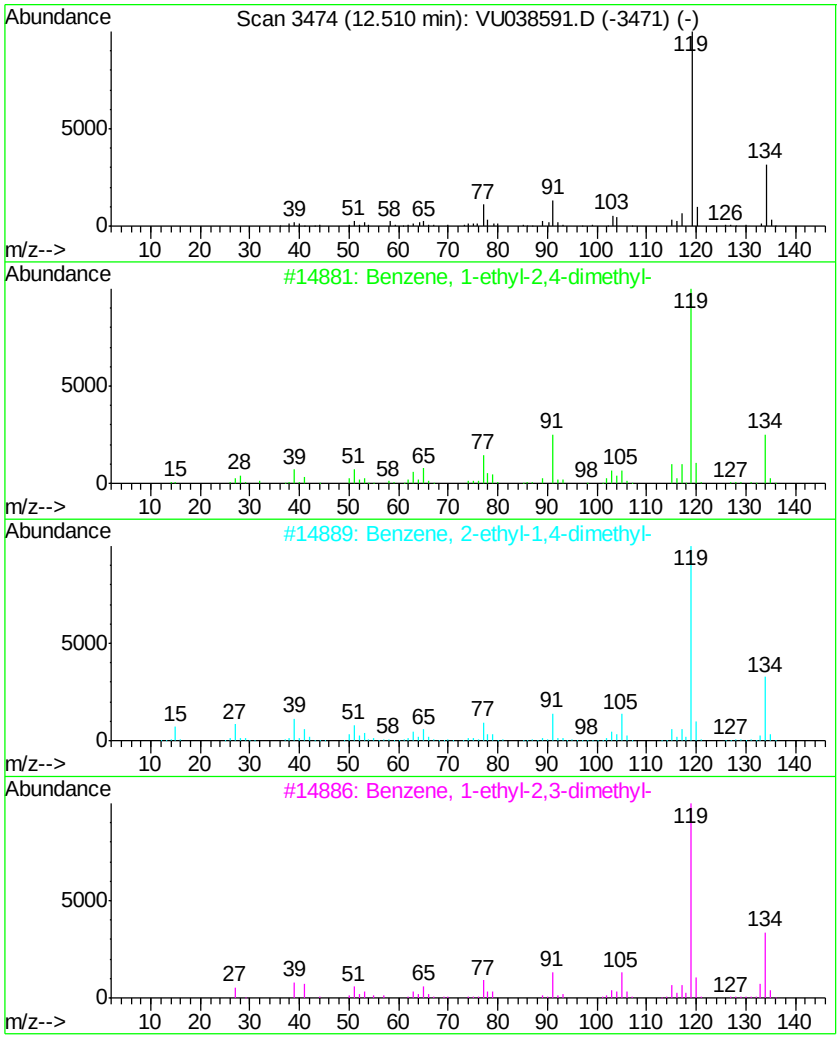
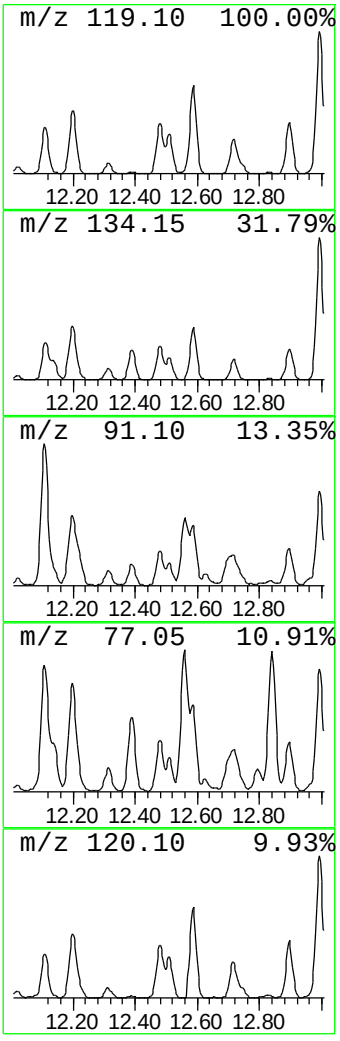
Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.51 | 1.01 ug/L | 257824 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 91 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 91 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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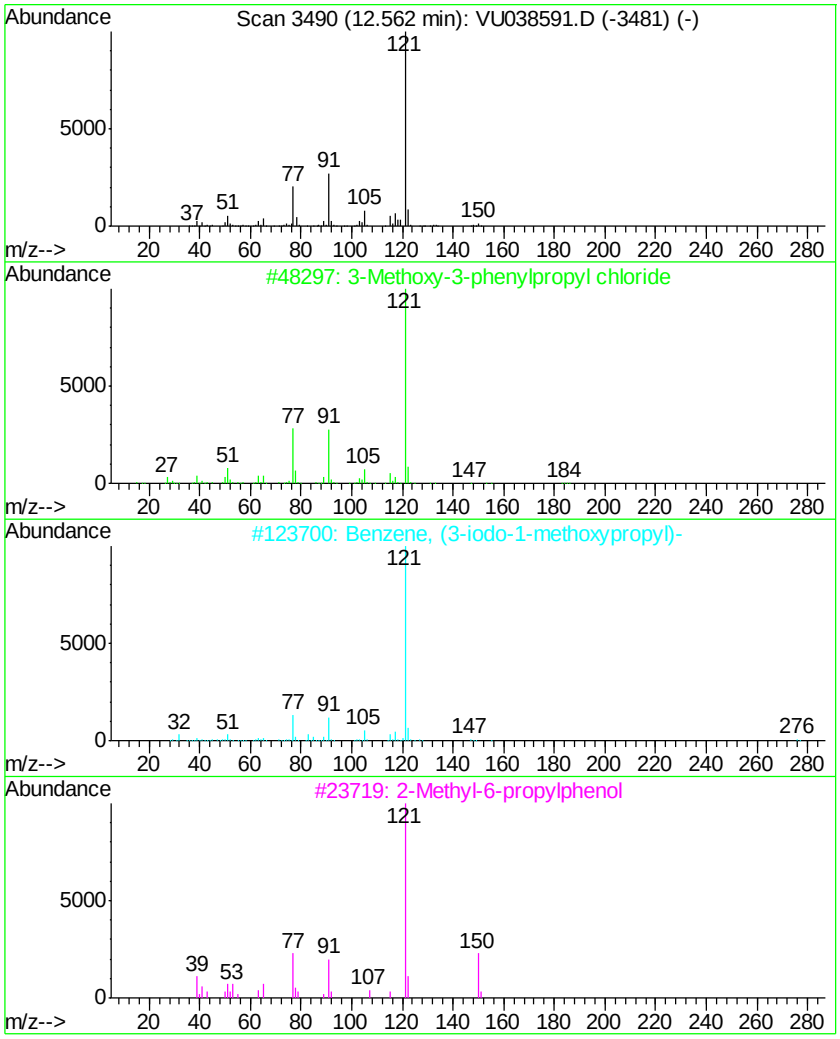
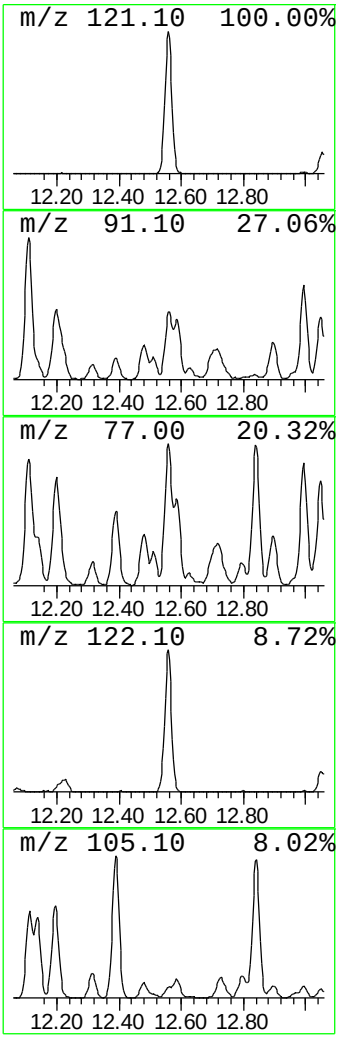
Peak Number 15 3-Methoxy-3-phenylpropyl ch... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.56 | 2.06 ug/L | 526405 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methoxy-3-phenylpropyl chloride | 184 | C10H13ClO | 1000370-35-5 | 83 |
| 2 | Benzene, (3-iodo-1-methoxypropyl)- | 276 | C10H13IO | 1000327-31-9 | 78 |
| 3 | 2-Methyl-6-propylphenol | 150 | C10H14O | 003520-52-3 | 72 |
| 4 | Benzene, (1,2-dimethoxyethyl)- | 166 | C10H14O2 | 004013-37-0 | 72 |
| 5 | Benzeneacetic acid, .alpha.-meth... | 180 | C10H12O3 | 056143-21-6 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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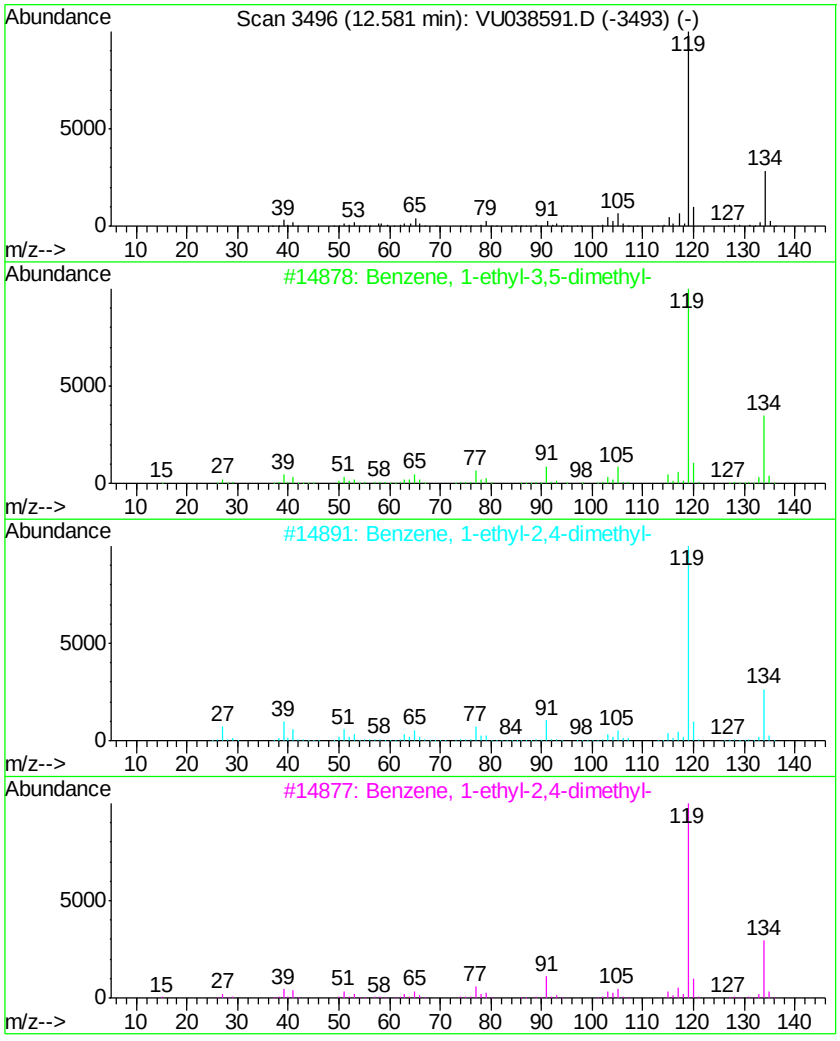
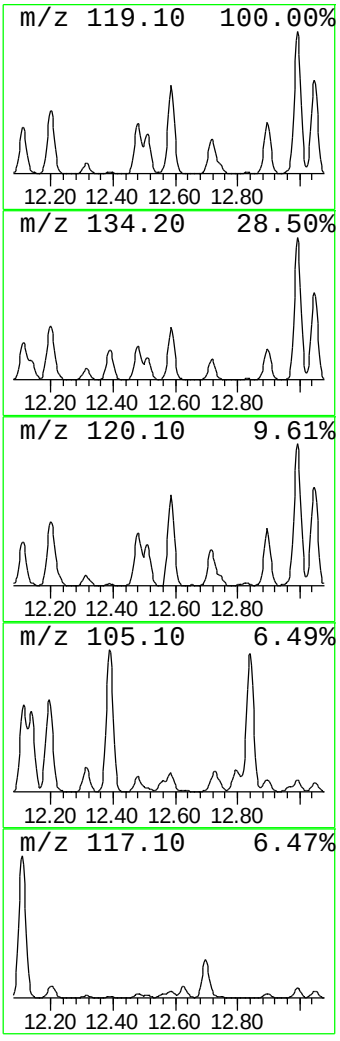
Peak Number 16 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.58 | 3.02 ug/L | 770183 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 2 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 91 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 91 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

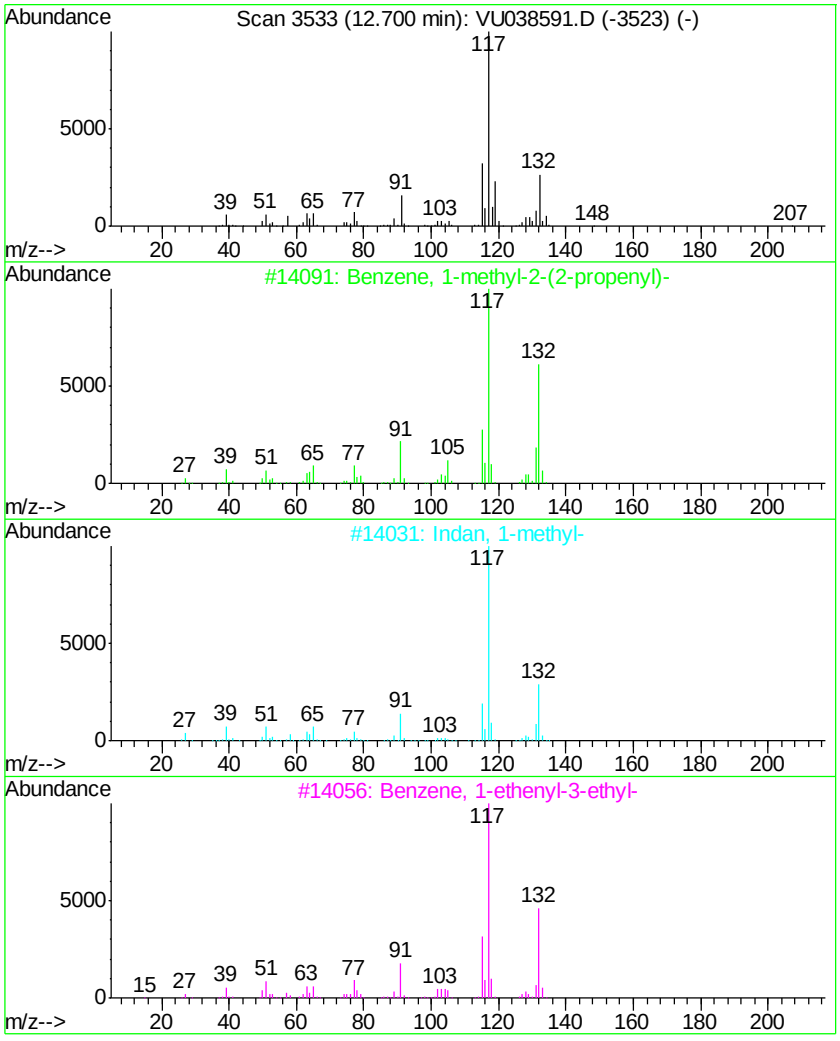
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

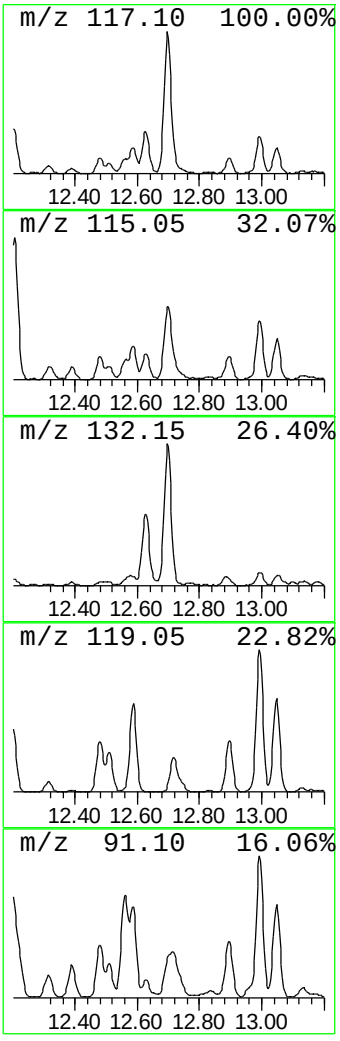
**********

Peak Number 17 Benzene, 1-methyl-2-(2-prop... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 3.58 ug/L | 913364 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |
| 3 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 74 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 72 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

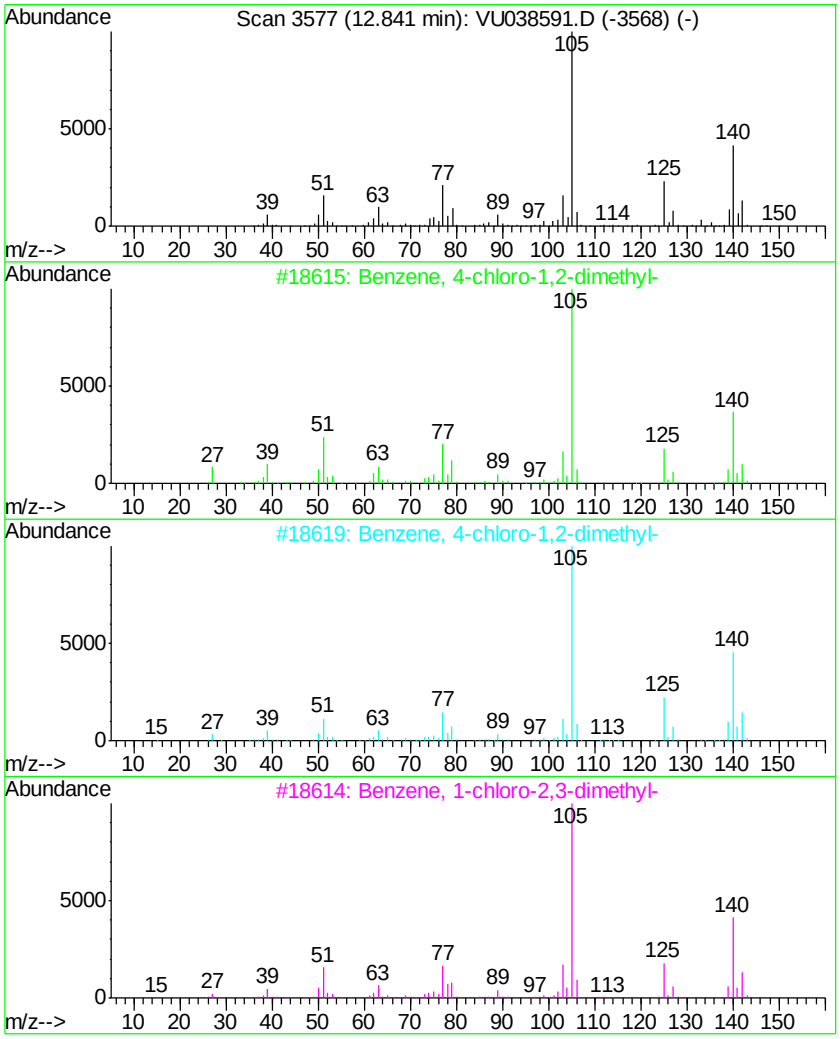
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

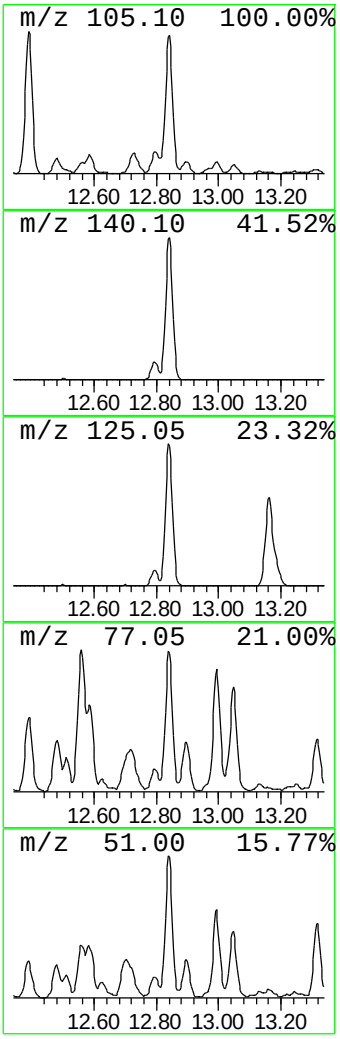
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, 4-chloro-1,2-dimet... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.84 | 3.57 ug/L | 909170 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 95 |
| 2 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 95 |
| 3 | Benzene, 1-chloro-2,3-dimethyl- | 140 | C8H9Cl | 000608-23-1 | 94 |
| 4 | m-Xylene, 5-chloro- | 140 | C8H9Cl | 000556-97-8 | 94 |
| 5 | Benzene, 4-chloro-1,2-dimethyl- | 140 | C8H9Cl | 000615-60-1 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

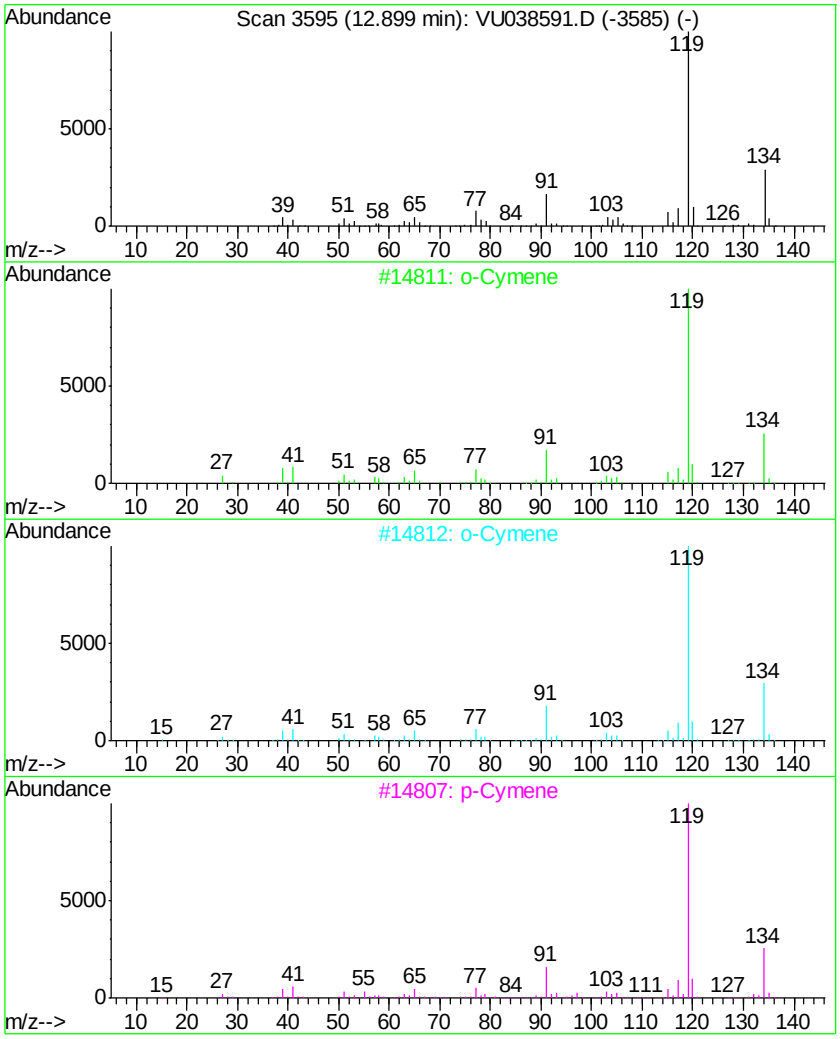
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

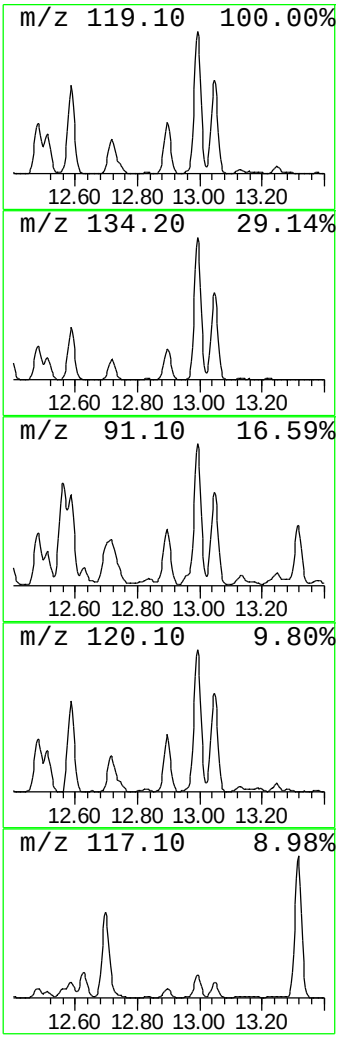
**********

Peak Number 19 o-Cymene Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.90 | 2.23 ug/L | 567456 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 91 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

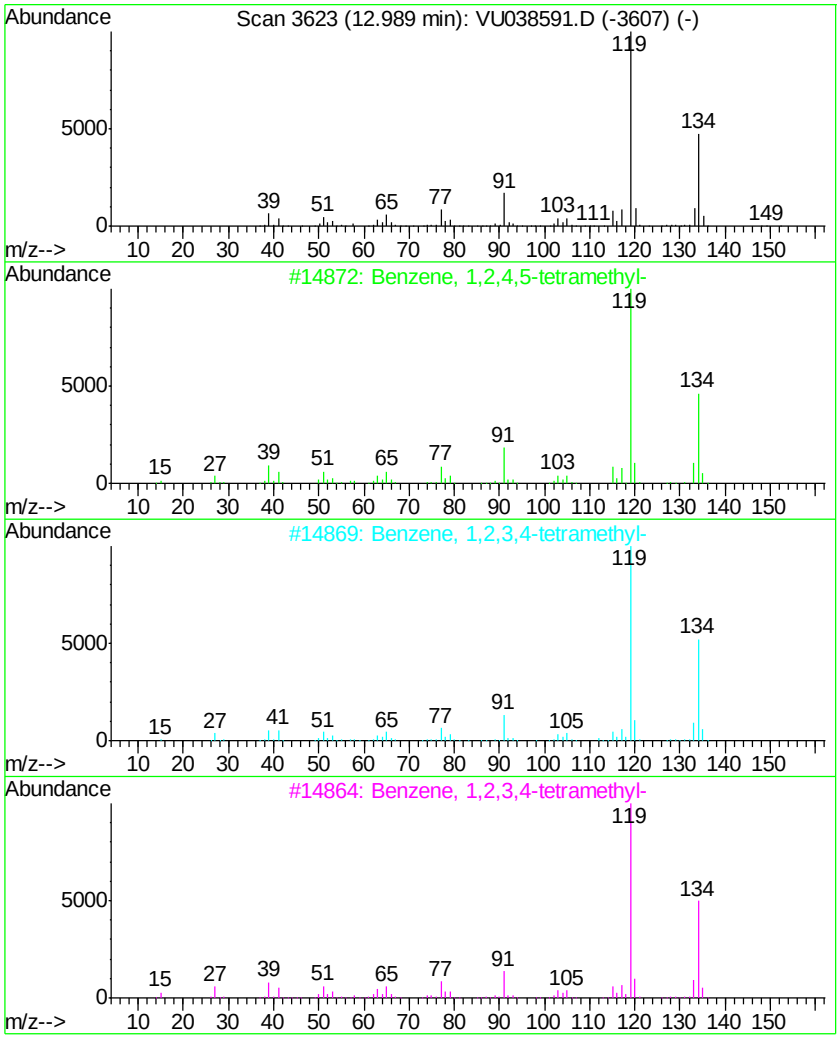
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

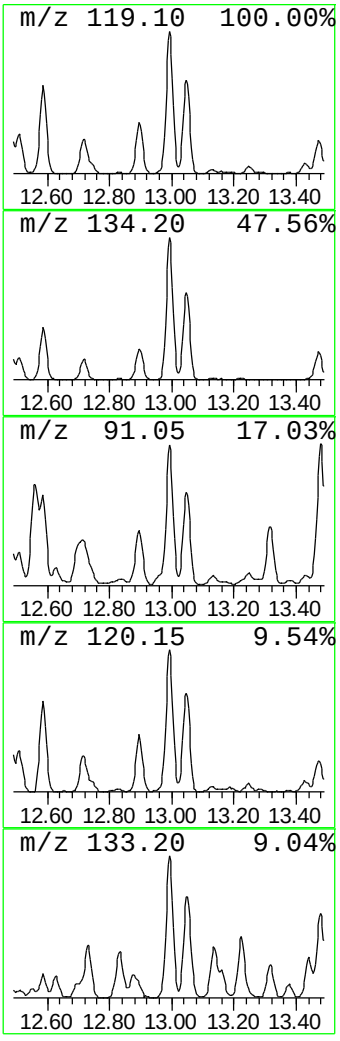
**********

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.99 | 5.90 ug/L | 1504320 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

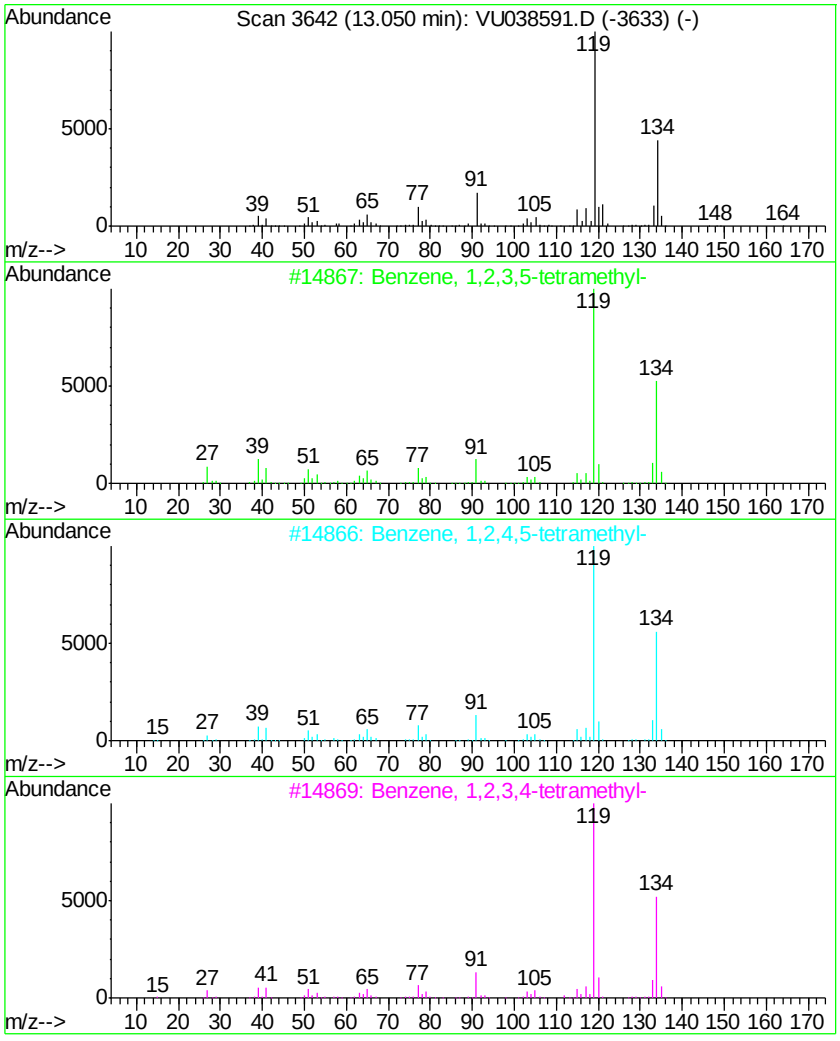
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

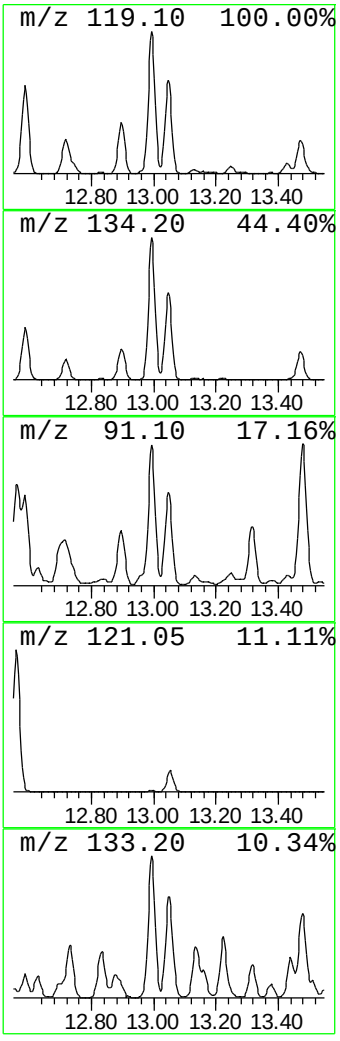
**********

Peak Number 21 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.05 | 4.12 ug/L | 1049830 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

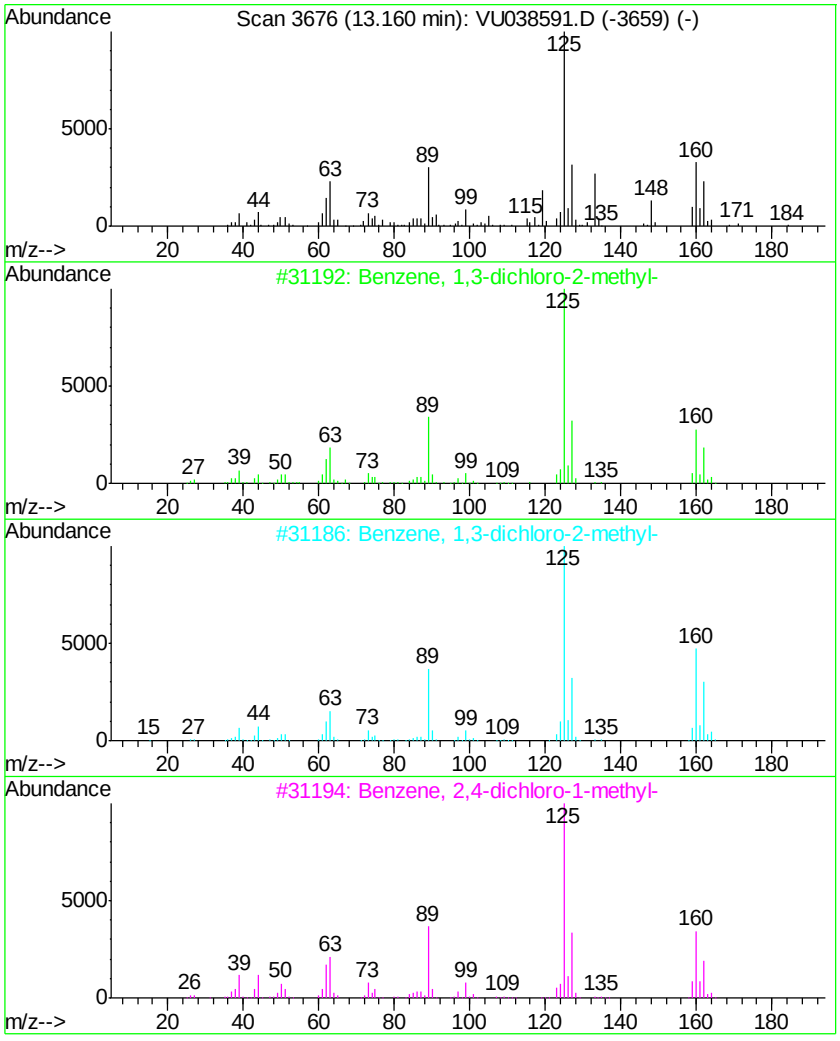
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

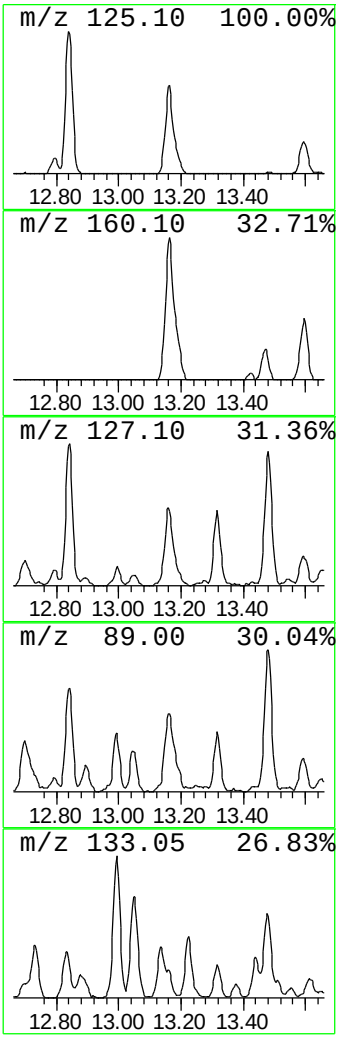
**********

Peak Number 22 Benzene, 1,3-dichloro-2-met... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.16 | 1.18 ug/L | 300245 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 97 |
| 2 | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 97 |
| 3 | Benzene, 2,4-dichloro-1-methyl- | 160 | C7H6Cl2 | 000095-73-8 | 96 |
| 4 | Benzene, 1,2-dichloro-3-methyl- | 160 | C7H6Cl2 | 032768-54-0 | 96 |
| 5 | Benzene, 1,3-dichloro-2-methyl- | 160 | C7H6Cl2 | 000118-69-4 | 96 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

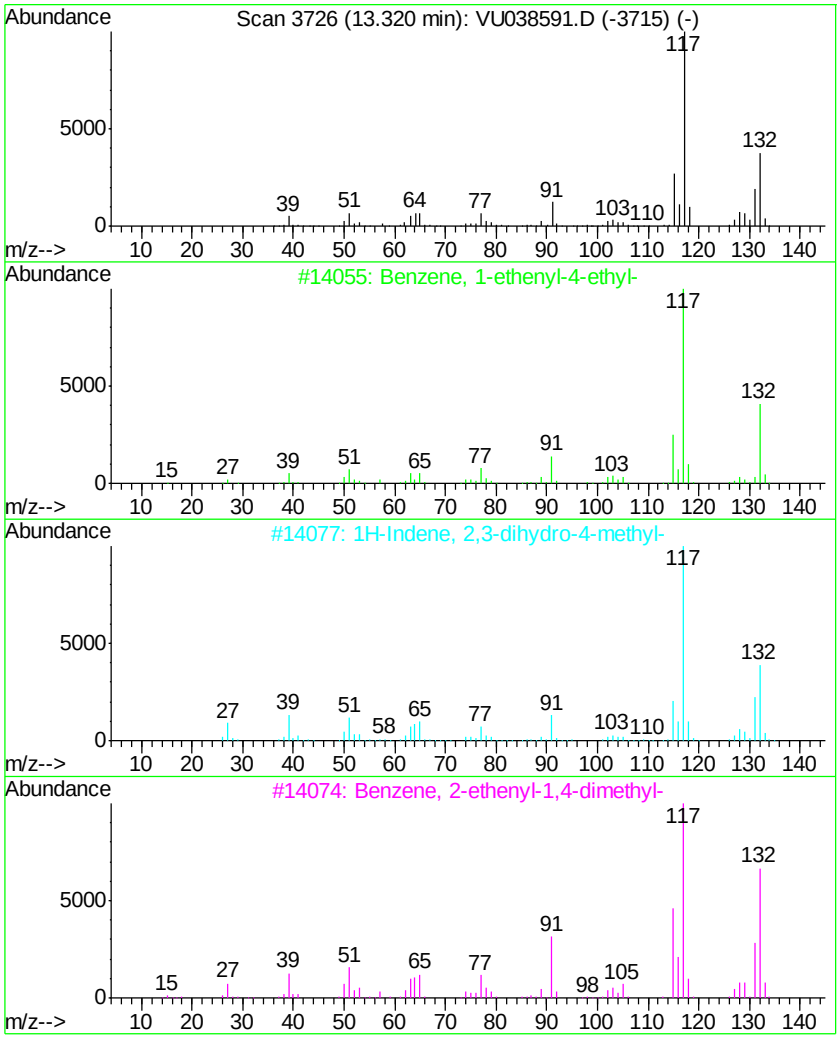
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

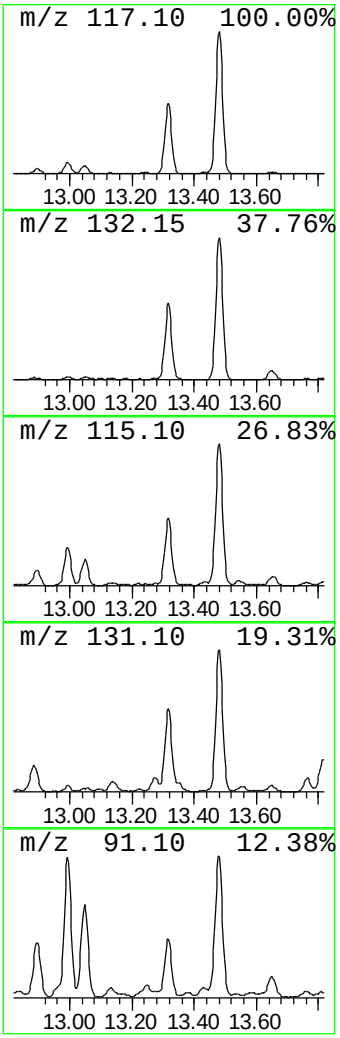
**********

Peak Number 23 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.32 | 3.37 ug/L | 859426 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 91 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

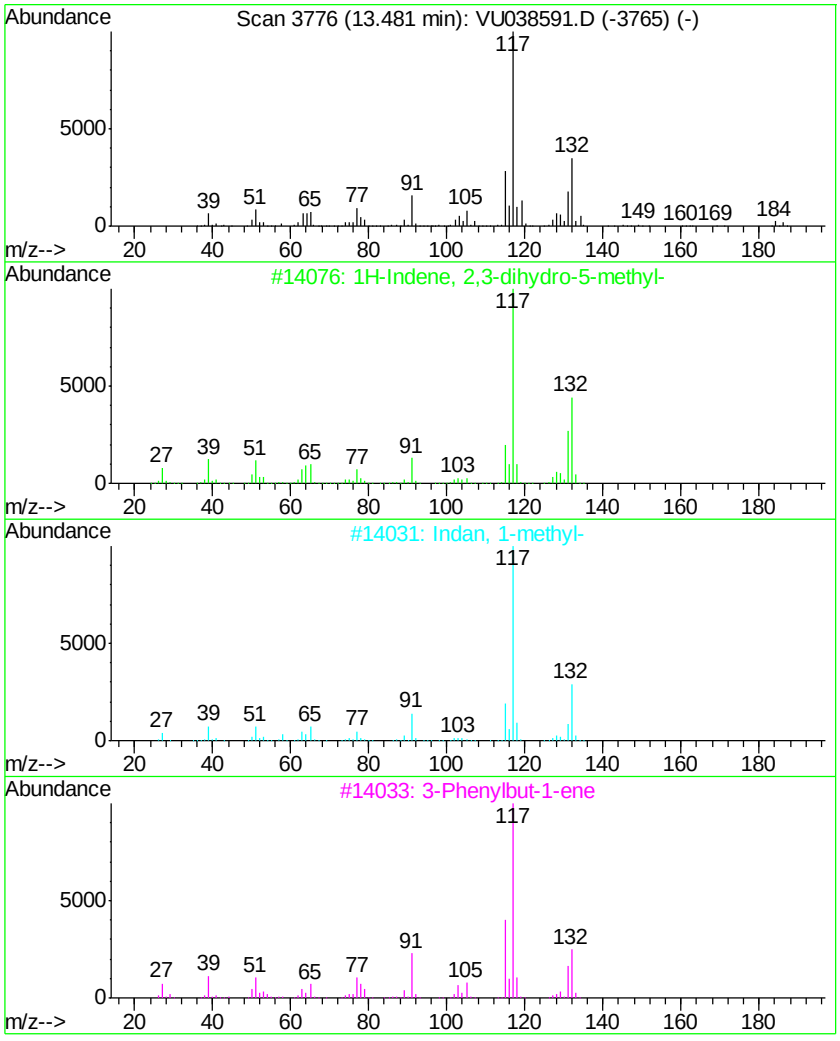
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

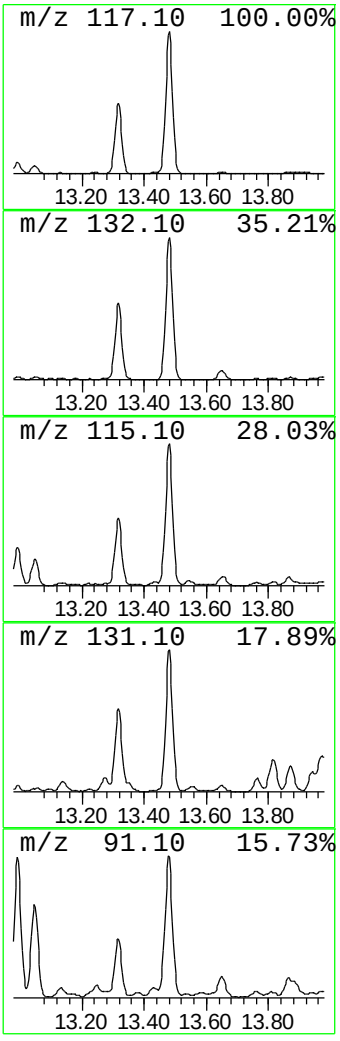
**********

Peak Number 24 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.48 | 8.44 ug/L | 2150710 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 94 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 81 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

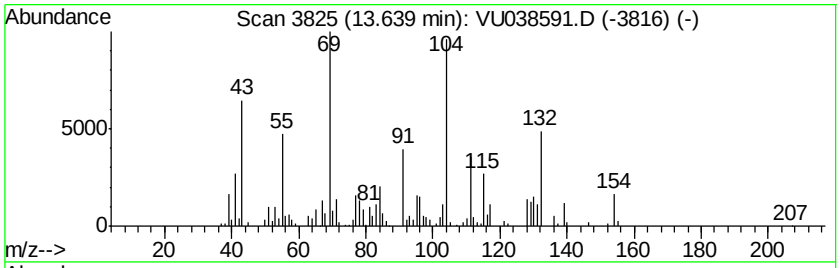
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

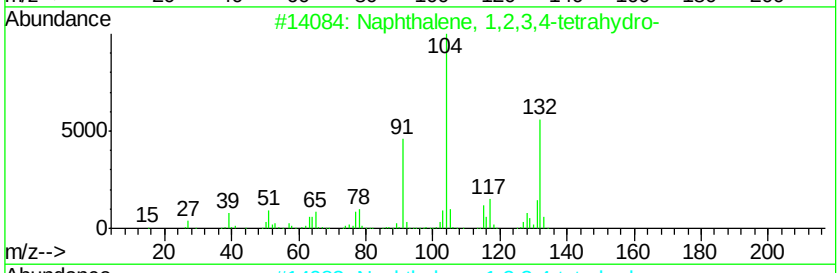
**********

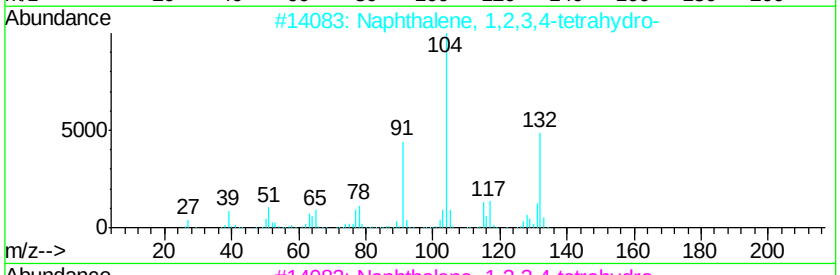
Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 29

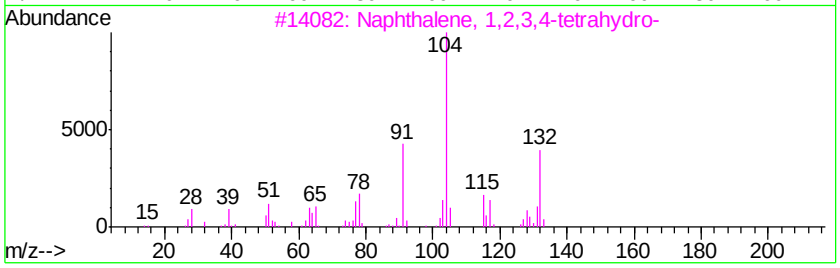
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 1.28 ug/L | 325585 | 1,4-Dichlorobenzene-d4 | 11.83 |

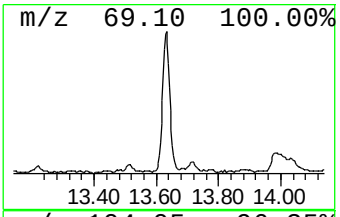
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 86 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 86 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 64 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 58 |
| 5 | Benzene, cyclobutyl- | 132 | C10H12 | 004392-30-7 | 37 |

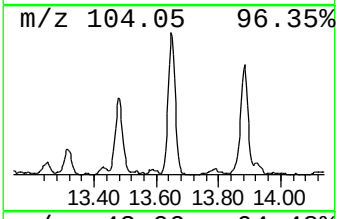


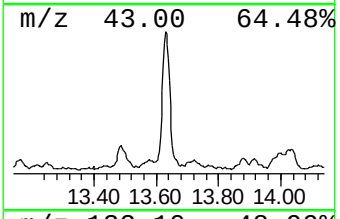



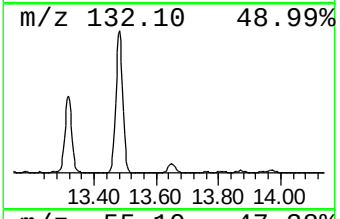



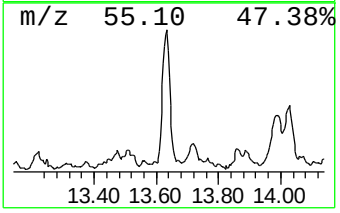



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

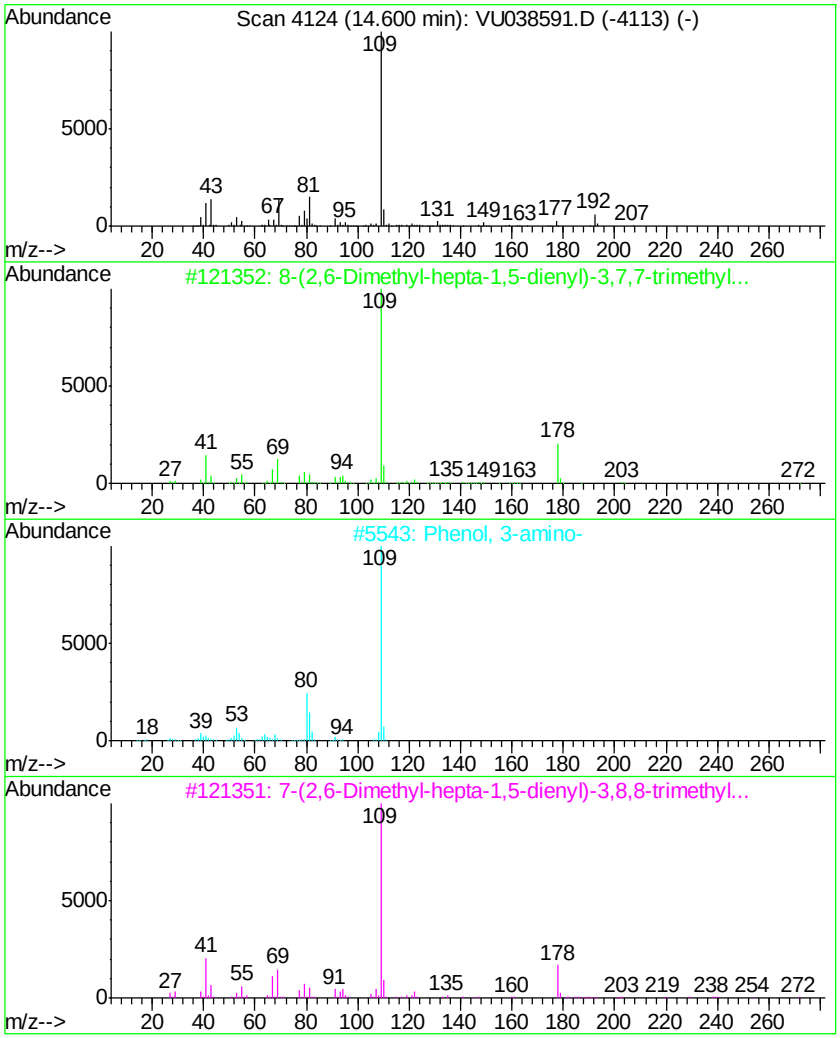
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

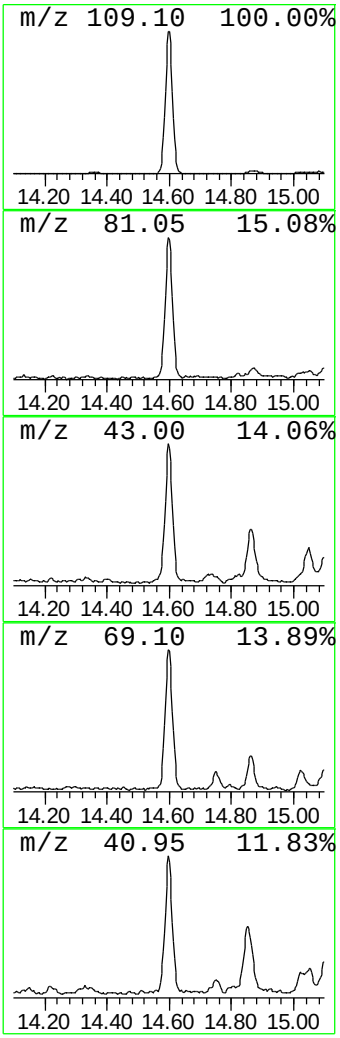
**********

Peak Number 27 8-(2,6-Dimethyl-hepta-1,5-d... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.60 | 1.91 ug/L | 488114 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-(2,6-Dimethyl-hepta-1,5-dienyl... | 272 | C20H32 | 113725-56-7 | 64 |
| 2 | Phenol, 3-amino- | 109 | C6H7NO | 000591-27-5 | 59 |
| 3 | 7-(2,6-Dimethyl-hepta-1,5-dienyl... | 272 | C20H32 | 1000190-62-8 | 50 |
| 4 | Pyridine, 2,5-diamino- | 109 | C5H7N3 | 004318-76-7 | 50 |
| 5 | Cyclopentane, (2-methylbutylidene)- | 138 | C10H18 | 053366-54-4 | 50 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

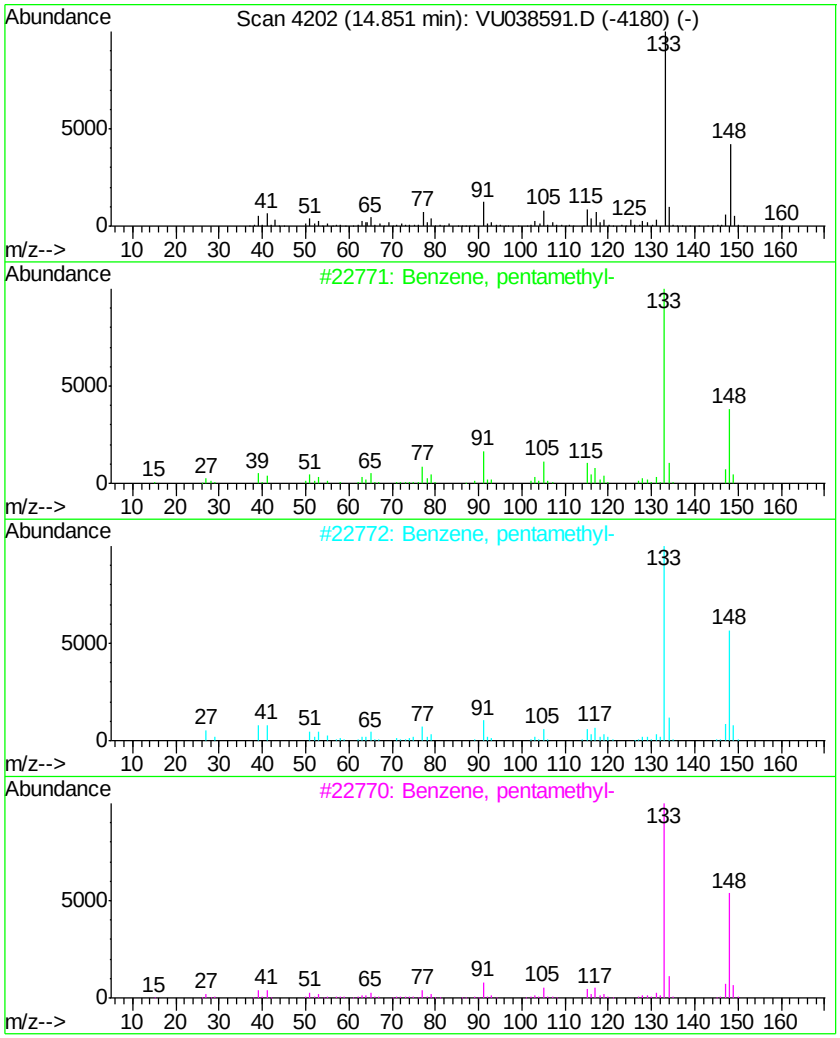
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

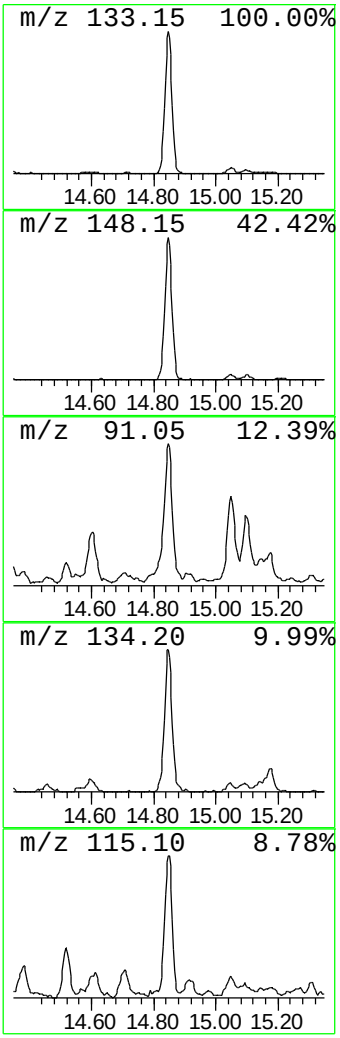
**********

Peak Number 28 Benzene, pentamethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 2.39 ug/L | 608336 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 96 |
| 2 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 91 |
| 3 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 90 |
| 4 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 90 |
| 5 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

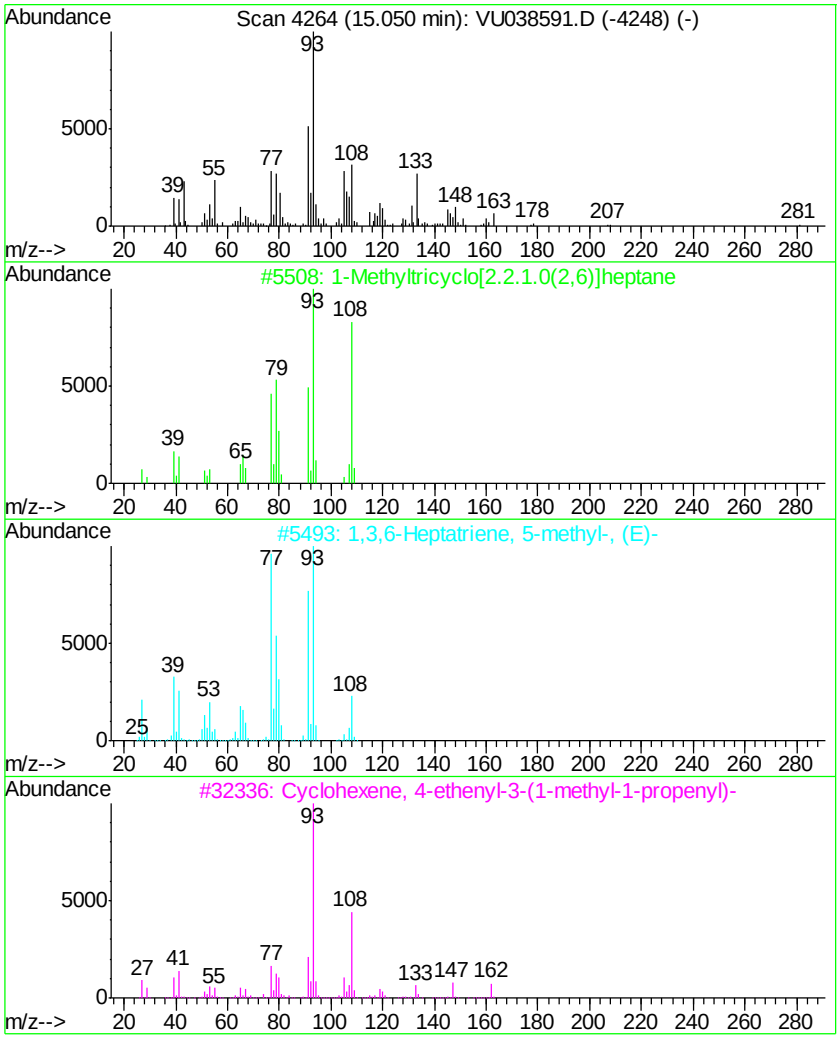
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

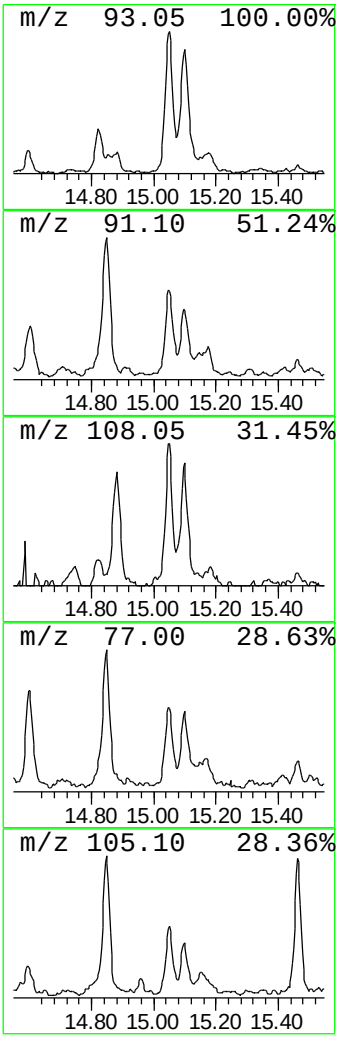
**********

Peak Number 29 1-Methyltricyclo[2.2.1.0(2,... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.05 | 0.87 ug/L | 222494 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methyltricyclo[2.2.1.0(2,6)]he... | 108 | C8H12 | 004601-85-8 | 55 |
| 2 | 1,3,6-Heptatriene, 5-methyl-, (E)- | 108 | C8H12 | 000818-48-4 | 53 |
| 3 | Cyclohexene, 4-ethenyl-3-(1-meth... | 162 | C12H18 | 061142-15-2 | 47 |
| 4 | 2,3-Dimethyl-cyclohexa-1,3-diene | 108 | C8H12 | 004430-91-5 | 47 |
| 5 | Cyclohexene, 3,4-diethenyl-1,6-d... | 162 | C12H18 | 061142-14-1 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

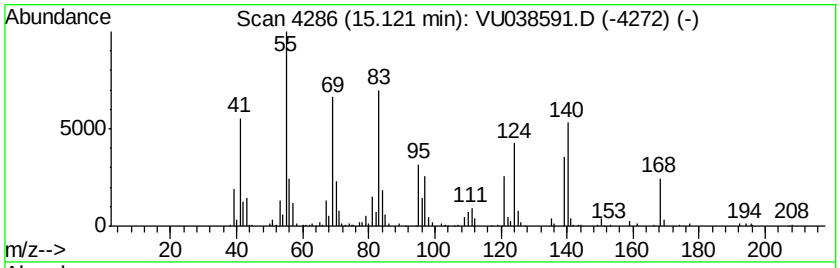
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

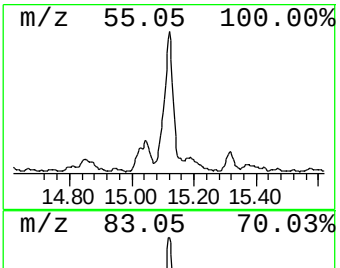
**********

Peak Number 30 (DEL) Alkane: Cyclic15.12 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.12 | 1.49 ug/L | 378924 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 50 |
| 2 | 2,3-Dimethyl-2-octene | 140 | C10H20 | 019781-18-1 | 35 |
| 3 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 30 |
| 4 | 2,4-Dimethoxypyrimidine | 140 | C6H8N2O2 | 003551-55-1 | 25 |
| 5 | 3-Dodecene, (E)- | 168 | C12H24 | 007206-14-6 | 22 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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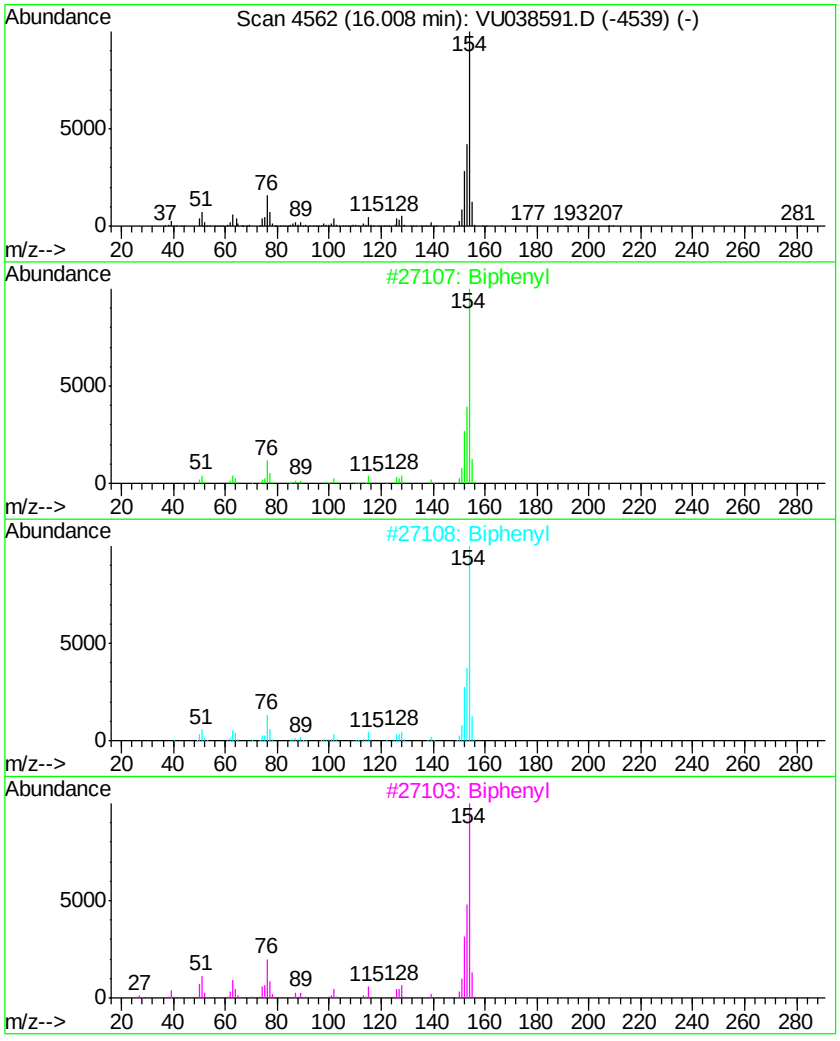
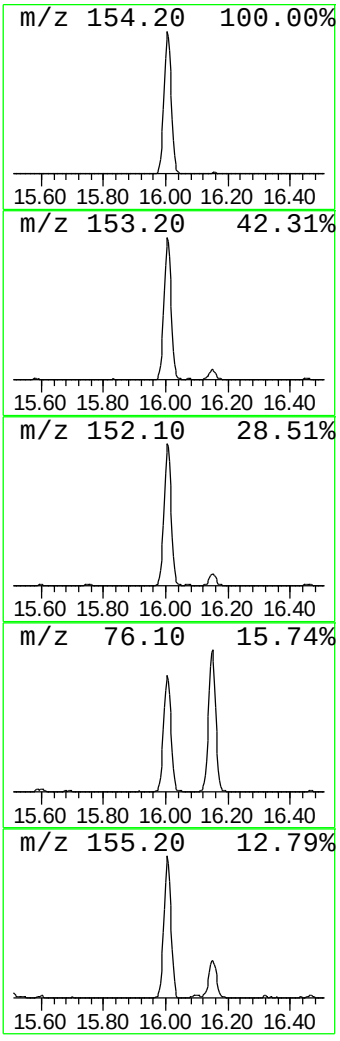
Peak Number 31 Biphenyl Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.01 | 2.98 ug/L | 759595 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Biphenyl | 154 | C12H10 | 000092-52-4 | 95 |
| 2 | Biphenyl | 154 | C12H10 | 000092-52-4 | 95 |
| 3 | Biphenyl | 154 | C12H10 | 000092-52-4 | 93 |
| 4 | Biphenyl | 154 | C12H10 | 000092-52-4 | 87 |
| 5 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

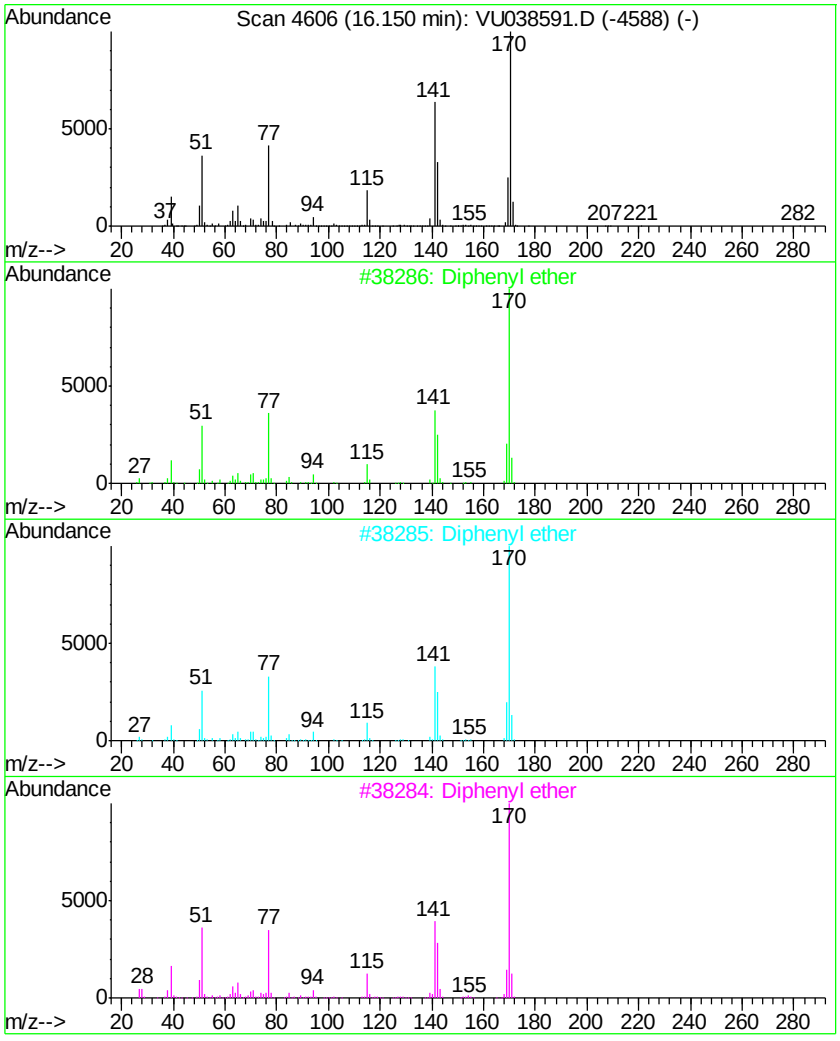
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

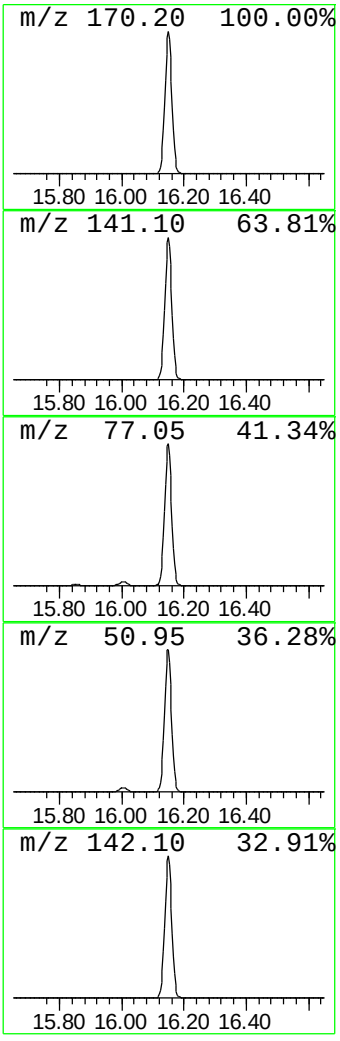
**********

Peak Number 32 Diphenyl ether Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.15 | 23.93 ug/L | 6100000 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 94 |
| 2 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 93 |
| 3 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 90 |
| 4 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 80 |
| 5 | 2-Troponyl difluoroborate | 170 | C7H5BF2O2 | 022502-10-9 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

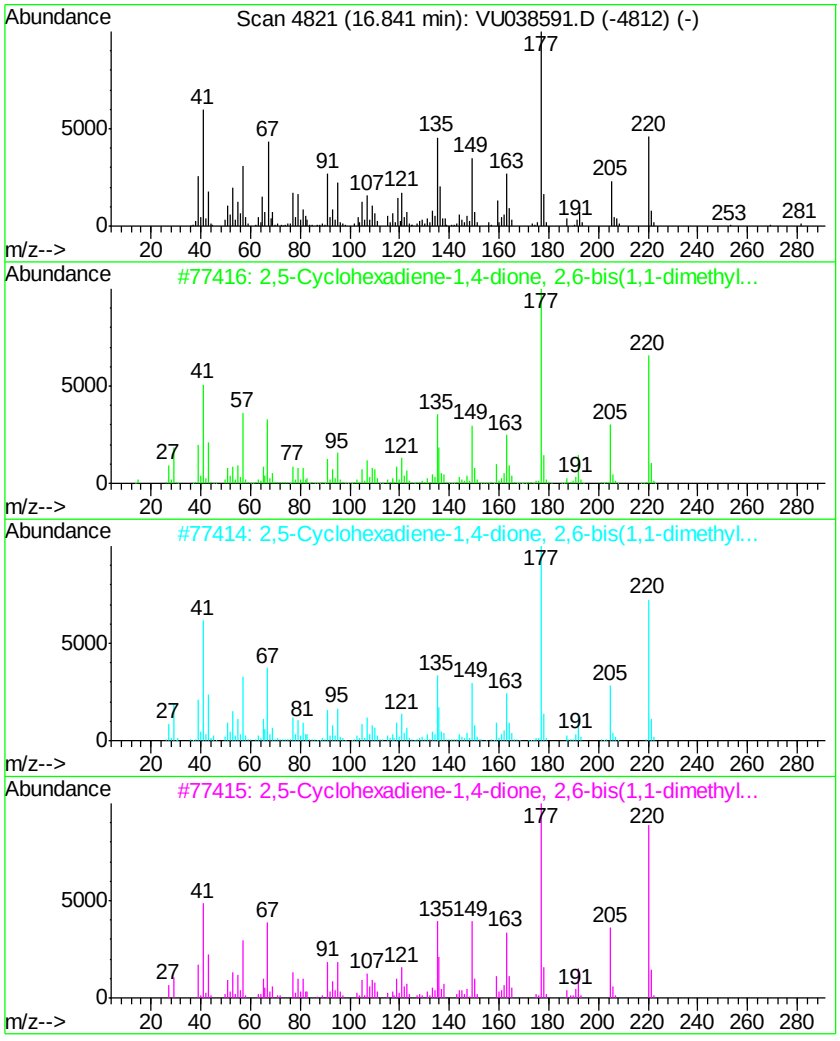
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

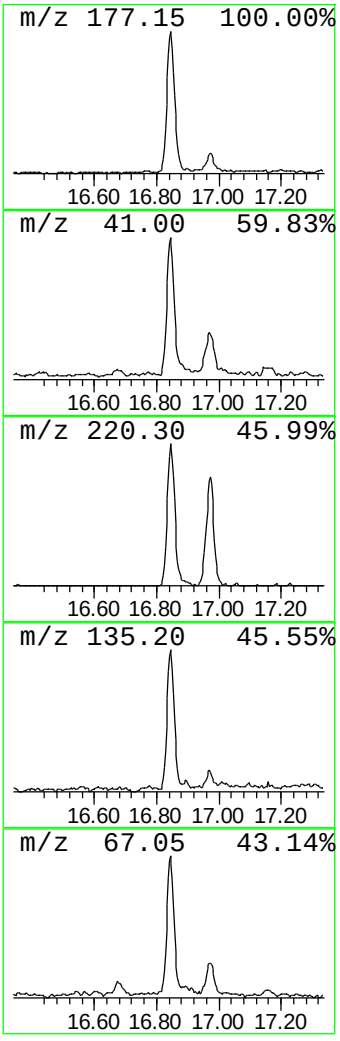
**********

Peak Number 33 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.84 | 1.48 ug/L | 376564 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 96 |
| 2 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 95 |
| 3 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 64 |
| 4 | Thiocoumarin, 4,4,6,8-tetramethyl- | 220 | C13H16OS | 1000128-90-3 | 38 |
| 5 | 2-Butanone, 3-(4-tert-butylpheno... | 220 | C14H20O2 | 160875-28-5 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

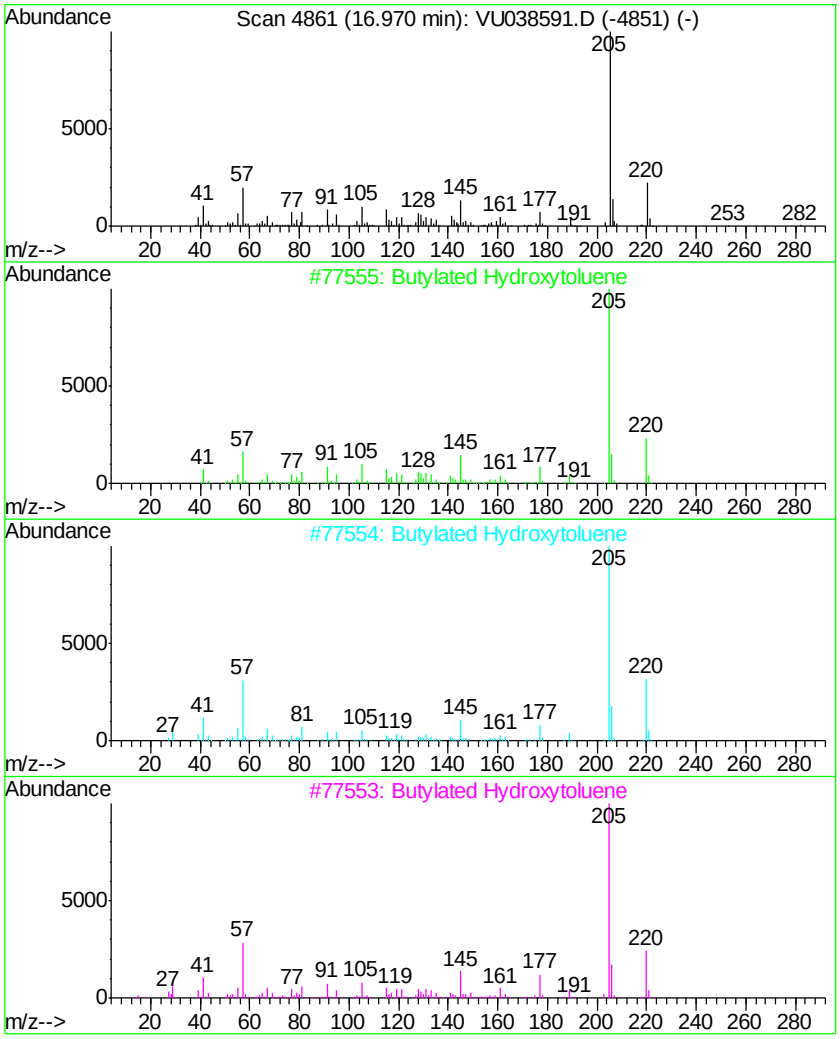
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

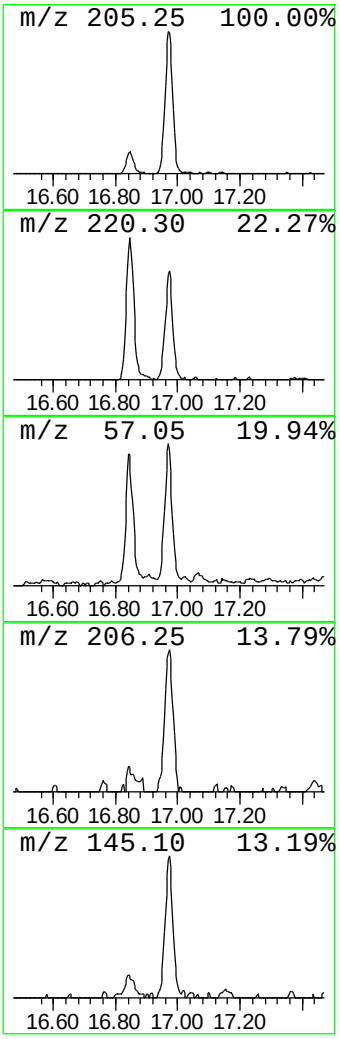
**********

Peak Number 34 Butylated Hydroxytoluene Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.97 | 0.86 ug/L | 219940 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 99 |
| 2 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 95 |
| 3 | Butylated Hydroxytoluene | 220 | C15H24O | 000128-37-0 | 92 |
| 4 | Phenol, 2,4,6-tris(1-methylethyl)- | 220 | C15H24O | 002934-07-8 | 87 |
| 5 | Phenol, 4,6-di(1,1-dimethylethyl... | 220 | C15H24O | 000616-55-7 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038591.D
Acq On : 06 Jun 2020 01:00
Operator : SY/MD
Sample : L2884-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFXD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.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 |
| (DEL) Alkane: Cyc... | 4.62 | 1.7 | ug/L | 239359 | 1 | 6.32 | 700032 | 5.0 |
| (DEL) Alkane: Str... | 5.55 | 3.4 | ug/L | 473051 | 1 | 6.32 | 700032 | 5.0 |
| 1,5-Cyclooctadiene | 10.59 | 10.6 | ug/L | 1617930 | 2 | 9.45 | 763190 | 5.0 |
| Benzene, propyl- | 10.92 | 9.8 | ug/L | 2495030 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-ethyl-... | 11.02 | 12.8 | ug/L | 3268580 | 3 | 11.83 | 1274740 | 5.0 |
| Mesitylene | 11.11 | 8.9 | ug/L | 2275770 | 3 | 11.83 | 1274740 | 5.0 |
| 4-Heptanone, 2,6-... | 11.25 | 1.1 | ug/L | 294099 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-ethyl-... | 11.31 | 8.9 | ug/L | 2282710 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1,2,3-tr... | 11.48 | 32.1 | ug/L | 8197550 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1,2,4-tr... | 11.91 | 12.7 | ug/L | 3225050 | 3 | 11.83 | 1274740 | 5.0 |
| Indane | 12.11 | 11.1 | ug/L | 2838240 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-methyl... | 12.39 | 2.3 | ug/L | 585657 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 2-ethyl-... | 12.48 | 2.2 | ug/L | 554591 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-ethyl-... | 12.51 | 1.0 | ug/L | 257824 | 3 | 11.83 | 1274740 | 5.0 |
| 3-Methoxy-3-pheny... | 12.56 | 2.1 | ug/L | 526405 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-ethyl-... | 12.58 | 3.0 | ug/L | 770183 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-methyl... | 12.70 | 3.6 | ug/L | 913364 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 4-chloro... | 12.84 | 3.6 | ug/L | 909170 | 3 | 11.83 | 1274740 | 5.0 |
| o-Cymene | 12.90 | 2.2 | ug/L | 567456 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1,2,4,5-... | 12.99 | 5.9 | ug/L | 1504320 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1,2,3,5-... | 13.05 | 4.1 | ug/L | 1049830 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1,3-dich... | 13.16 | 1.2 | ug/L | 300245 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, 1-etheny... | 13.32 | 3.4 | ug/L | 859426 | 3 | 11.83 | 1274740 | 5.0 |
| 1H-Indene, 2,3-di... | 13.48 | 8.4 | ug/L | 2150710 | 3 | 11.83 | 1274740 | 5.0 |
| Naphthalene, 1,2,... | 13.64 | 1.3 | ug/L | 325585 | 3 | 11.83 | 1274740 | 5.0 |
| 8-(2,6-Dimethyl-h... | 14.60 | 1.9 | ug/L | 488114 | 3 | 11.83 | 1274740 | 5.0 |
| Benzene, pentamet... | 14.85 | 2.4 | ug/L | 608336 | 3 | 11.83 | 1274740 | 5.0 |
| 1-Methyltricyclo[... | 15.05 | 0.9 | ug/L | 222494 | 3 | 11.83 | 1274740 | 5.0 |
| (DEL) Alkane: Cyc... | 15.12 | 1.5 | ug/L | 378924 | 3 | 11.83 | 1274740 | 5.0 |
| Biphenyl | 16.01 | 3.0 | ug/L | 759595 | 3 | 11.83 | 1274740 | 5.0 |
| Diphenyl ether | 16.15 | 23.9 | ug/L | 6100000 | 3 | 11.83 | 1274740 | 5.0 |
| 2,5-Cyclohexadien... | 16.84 | 1.5 | ug/L | 376564 | 3 | 11.83 | 1274740 | 5.0 |
| Butylated Hydroxy... | 16.97 | 0.9 | ug/L | 219940 | 3 | 11.83 | 1274740 | 5.0 |