LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM041719WMA.M
Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.180 | 23 | 28 | 36 | rBV | 14454 | 15744 | 0.01% | 0.002% |
| 2 | 1.289 | 58 | 62 | 67 | rBV2 | 10489 | 10209 | 0.01% | 0.001% |
| 3 | 1.396 | 87 | 95 | 112 | rBV | 156945 | 241828 | 0.13% | 0.031% |
| 4 | 1.678 | 176 | 183 | 197 | rBV | 120225 | 224742 | 0.12% | 0.029% |
| 5 | 2.244 | 349 | 359 | 374 | rVB | 419887 | 661029 | 0.36% | 0.085% |
| 6 | 2.508 | 438 | 441 | 442 | rBV3 | 2603 | 1581 | 0.00% | 0.000% |
| 7 | 2.691 | 491 | 498 | 501 | rBV6 | 9205 | 14003 | 0.01% | 0.002% |
| 8 | 2.971 | 573 | 585 | 598 | rBV6 | 7334 | 17290 | 0.01% | 0.002% |
| 9 | 3.283 | 663 | 682 | 693 | rBV6 | 11158 | 24637 | 0.01% | 0.003% |
| 10 | 3.974 | 885 | 897 | 908 | rVV8 | 7369 | 17906 | 0.01% | 0.002% |
| 11 | 4.071 | 917 | 927 | 933 | rBV4 | 4132 | 6697 | 0.00% | 0.001% |
| 12 | 4.212 | 956 | 971 | 1008 | rBV2 | 107131 | 524250 | 0.28% | 0.067% |
| 13 | 4.643 | 1086 | 1105 | 1139 | rBV2 | 307804 | 823171 | 0.45% | 0.105% |
| 14 | 4.881 | 1172 | 1179 | 1182 | rBV8 | 2381 | 2982 | 0.00% | 0.000% |
| 15 | 4.971 | 1195 | 1207 | 1222 | rBV5 | 11551 | 26912 | 0.01% | 0.003% |
| 16 | 5.071 | 1223 | 1238 | 1251 | rVB6 | 12280 | 31378 | 0.02% | 0.004% |
| 17 | 5.202 | 1268 | 1279 | 1293 | rBV5 | 11997 | 28865 | 0.02% | 0.004% |
| 18 | 5.331 | 1297 | 1319 | 1345 | rBV2 | 750551 | 2124221 | 1.15% | 0.272% |
| 19 | 5.534 | 1371 | 1382 | 1394 | rVB7 | 8047 | 20387 | 0.01% | 0.003% |
| 20 | 5.614 | 1397 | 1407 | 1415 | rBV7 | 5187 | 12118 | 0.01% | 0.002% |
| 21 | 5.768 | 1447 | 1455 | 1471 | rVB7 | 6422 | 14104 | 0.01% | 0.002% |
| 22 | 5.881 | 1476 | 1490 | 1520 | rBV | 731814 | 1666202 | 0.90% | 0.213% |
| 23 | 6.022 | 1532 | 1534 | 1544 | rVB7 | 2766 | 2385 | 0.00% | 0.000% |
| 24 | 6.177 | 1571 | 1582 | 1588 | rBV9 | 5846 | 12402 | 0.01% | 0.002% |
| 25 | 6.328 | 1614 | 1629 | 1648 | rBV2 | 424770 | 962187 | 0.52% | 0.123% |
| 26 | 6.466 | 1669 | 1672 | 1677 | rVB6 | 1558 | 1567 | 0.00% | 0.000% |
| 27 | 6.518 | 1682 | 1688 | 1697 | rVB10 | 2759 | 4423 | 0.00% | 0.001% |
| 28 | 6.636 | 1719 | 1725 | 1728 | rBV7 | 1575 | 1826 | 0.00% | 0.000% |
| 29 | 6.736 | 1749 | 1756 | 1765 | rVB5 | 2401 | 4126 | 0.00% | 0.001% |
| 30 | 6.897 | 1798 | 1806 | 1812 | rBV7 | 5386 | 9497 | 0.01% | 0.001% |
| 31 | 7.083 | 1859 | 1864 | 1874 | rBV7 | 3165 | 5896 | 0.00% | 0.001% |
| 32 | 7.228 | 1897 | 1909 | 1937 | rBV | 234285 | 512222 | 0.28% | 0.066% |
| 33 | 7.382 | 1947 | 1957 | 1961 | rBV7 | 5653 | 8886 | 0.00% | 0.001% |
| 34 | 7.562 | 1990 | 2013 | 2028 | rBV | 893955 | 1734167 | 0.94% | 0.222% |

LSC Area Percent Report

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Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM041719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.723 | 2055 | 2063 | 2082 | rVB2 | 103334 | 186794 | 0.10% | 0.024% |
| 36 | 7.852 | 2094 | 2103 | 2132 | rVB2 | 151216 | 345657 | 0.19% | 0.044% |
| 37 | 8.032 | 2152 | 2159 | 2173 | rBV2 | 11605 | 27208 | 0.01% | 0.003% |
| 38 | 8.222 | 2215 | 2218 | 2225 | rVB7 | 3841 | 4469 | 0.00% | 0.001% |
| 39 | 8.344 | 2235 | 2256 | 2290 | rVV | 477762 | 1413545 | 0.77% | 0.181% |
| 40 | 8.543 | 2309 | 2318 | 2325 | rBV9 | 12174 | 21259 | 0.01% | 0.003% |
| 41 | 8.704 | 2360 | 2368 | 2372 | rBV6 | 8741 | 13705 | 0.01% | 0.002% |
| 42 | 8.742 | 2372 | 2380 | 2398 | rVB | 58860 | 104446 | 0.06% | 0.013% |
| 43 | 8.829 | 2398 | 2407 | 2415 | rBV5 | 24190 | 47861 | 0.03% | 0.006% |
| 44 | 8.958 | 2442 | 2447 | 2455 | rVB5 | 15534 | 18679 | 0.01% | 0.002% |
| 45 | 9.090 | 2476 | 2488 | 2507 | rBV | 896507 | 1755814 | 0.95% | 0.225% |
| 46 | 9.251 | 2528 | 2538 | 2563 | rBV | 361012 | 811947 | 0.44% | 0.104% |
| 47 | 9.373 | 2563 | 2576 | 2591 | rBV | 4232901 | 7658043 | 4.15% | 0.980% |
| 48 | 9.559 | 2627 | 2634 | 2642 | rBV9 | 26141 | 49533 | 0.03% | 0.006% |
| 49 | 9.646 | 2654 | 2661 | 2674 | rBV9 | 32705 | 66846 | 0.04% | 0.009% |
| 50 | 9.784 | 2691 | 2704 | 2736 | rBV4 | 2838287 | 6009610 | 3.25% | 0.769% |
| 51 | 10.167 | 2815 | 2823 | 2831 | rBV | 128056 | 221702 | 0.12% | 0.028% |
| 52 | 10.440 | 2898 | 2908 | 2919 | rBV | 540742 | 940107 | 0.51% | 0.120% |
| 53 | 10.588 | 2944 | 2954 | 2971 | rBV | 753676 | 1185466 | 0.64% | 0.152% |
| 54 | 10.681 | 2972 | 2983 | 2998 | rBV | 3838016 | 8278178 | 4.48% | 1.059% |
| 55 | 10.771 | 2998 | 3011 | 3020 | rBV | 4725682 | 8600718 | 4.66% | 1.100% |
| 56 | 10.974 | 3064 | 3074 | 3078 | rBV | 1344303 | 2213237 | 1.20% | 0.283% |
| 57 | 11.151 | 3112 | 3129 | 3139 | rBV | 15167665 | 23818721 | 12.90% | 3.047% |
| 58 | 11.218 | 3139 | 3150 | 3158 | rVV | 16177739 | 24469248 | 13.25% | 3.130% |
| 59 | 11.267 | 3158 | 3165 | 3177 | rVB | 5350976 | 7874596 | 4.26% | 1.007% |
| 60 | 11.482 | 3224 | 3232 | 3242 | rBV2 | 1241798 | 1923528 | 1.04% | 0.246% |
| 61 | 11.572 | 3250 | 3260 | 3269 | rBV | 4963623 | 7538445 | 4.08% | 0.964% |
| 62 | 11.627 | 3269 | 3277 | 3292 | rVB | 2571206 | 4014655 | 2.17% | 0.514% |
| 63 | 11.765 | 3310 | 3320 | 3328 | rBV3 | 2376356 | 4514761 | 2.44% | 0.577% |
| 64 | 11.874 | 3342 | 3354 | 3365 | rBV3 | 4396790 | 8485519 | 4.59% | 1.085% |
| 65 | 11.980 | 3377 | 3387 | 3395 | rBV | 13267084 | 20764478 | 11.24% | 2.656% |
| 66 | 12.022 | 3396 | 3400 | 3407 | rVB | 2473878 | 2865190 | 1.55% | 0.366% |
| 67 | 12.148 | 3430 | 3439 | 3442 | rBV | 2027677 | 2942989 | 1.59% | 0.376% |
| 68 | 12.225 | 3455 | 3463 | 3465 | rBV | 1751740 | 2175343 | 1.18% | 0.278% |
| 69 | 12.302 | 3479 | 3487 | 3497 | rVB | 2936238 | 4749190 | 2.57% | 0.607% |
| 70 | 12.357 | 3498 | 3504 | 3507 | rBV2 | 710021 | 920320 | 0.50% | 0.118% |
| 71 | 12.424 | 3517 | 3525 | 3536 | rVB | 10471008 | 16536722 | 8.95% | 2.115% |

LSC Area Percent Report

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Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM041719WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.485 | 3536 | 3544 | 3557 | rBV2 | 2226385 | 3693877 | 2.00% | 0.472% |
| 73 | 12.649 | 3587 | 3595 | 3603 | rVB | 3541249 | 5324060 | 2.88% | 0.681% |
| 74 | 12.704 | 3603 | 3612 | 3624 | rBV3 | 8419374 | 15180840 | 8.22% | 1.942% |
| 75 | 12.823 | 3641 | 3649 | 3660 | rBV3 | 4922584 | 8900527 | 4.82% | 1.138% |
| 76 | 12.961 | 3685 | 3692 | 3706 | rVB | 2632392 | 3883340 | 2.10% | 0.497% |
| 77 | 13.032 | 3709 | 3714 | 3722 | rVB2 | 752623 | 1025703 | 0.56% | 0.131% |
| 78 | 13.086 | 3724 | 3731 | 3733 | rBV3 | 1062309 | 1326811 | 0.72% | 0.170% |
| 79 | 13.122 | 3734 | 3742 | 3752 | rVV3 | 10555294 | 17287073 | 9.36% | 2.211% |
| 80 | 13.186 | 3753 | 3762 | 3773 | rVB | 15256191 | 23277386 | 12.60% | 2.977% |
| 81 | 13.292 | 3784 | 3795 | 3812 | rVB | 28561294 | 47508433 | 25.72% | 6.077% |
| 82 | 13.382 | 3814 | 3823 | 3838 | rVB4 | 3241703 | 7507955 | 4.06% | 0.960% |
| 83 | 13.511 | 3857 | 3863 | 3870 | rBV4 | 1901773 | 2611177 | 1.41% | 0.334% |
| 84 | 13.758 | 3924 | 3940 | 3961 | rBV2 | 81915022 | 169076119 | 91.54% | 21.626% |
| 85 | 14.141 | 4052 | 4059 | 4066 | rBV3 | 2570202 | 4141261 | 2.24% | 0.530% |
| 86 | 14.337 | 4111 | 4120 | 4129 | rBV2 | 3912691 | 7931526 | 4.29% | 1.015% |
| 87 | 14.819 | 4264 | 4270 | 4277 | rBV | 1057056 | 1473186 | 0.80% | 0.188% |
| 88 | 14.893 | 4277 | 4293 | 4315 | rVB4 | 90075966 | 184700305 | 100.00% | 23.625% |
| 89 | 15.067 | 4334 | 4347 | 4380 | rVB2 | 49674754 | 76900804 | 41.64% | 9.836% |
| 90 | 15.604 | 4506 | 4514 | 4524 | rVB | 780704 | 1133626 | 0.61% | 0.145% |
| 91 | 15.794 | 4565 | 4573 | 4582 | rBV | 1112695 | 1703543 | 0.92% | 0.218% |
| 92 | 15.909 | 4598 | 4609 | 4626 | rBV | 3358349 | 5621894 | 3.04% | 0.719% |
| 93 | 16.054 | 4644 | 4654 | 4661 | rBV | 2114959 | 3372851 | 1.83% | 0.431% |
| 94 | 16.186 | 4686 | 4695 | 4708 | rBV | 598570 | 969336 | 0.52% | 0.124% |
| 95 | 16.282 | 4709 | 4725 | 4748 | rVB | 596847 | 1439537 | 0.78% | 0.184% |
| 96 | 16.427 | 4762 | 4770 | 4781 | rBV | 237198 | 362757 | 0.20% | 0.046% |
| 97 | 16.524 | 4789 | 4800 | 4814 | rBV3 | 672228 | 1266932 | 0.69% | 0.162% |
| 98 | 16.630 | 4826 | 4833 | 4845 | rVB3 | 191548 | 313842 | 0.17% | 0.040% |
| 99 | 17.163 | 4992 | 4999 | 5010 | rVB3 | 195929 | 300591 | 0.16% | 0.038% |
| 100 | 17.228 | 5012 | 5019 | 5028 | rVB2 | 157937 | 237718 | 0.13% | 0.030% |

Sum of corrected areas: 781811379

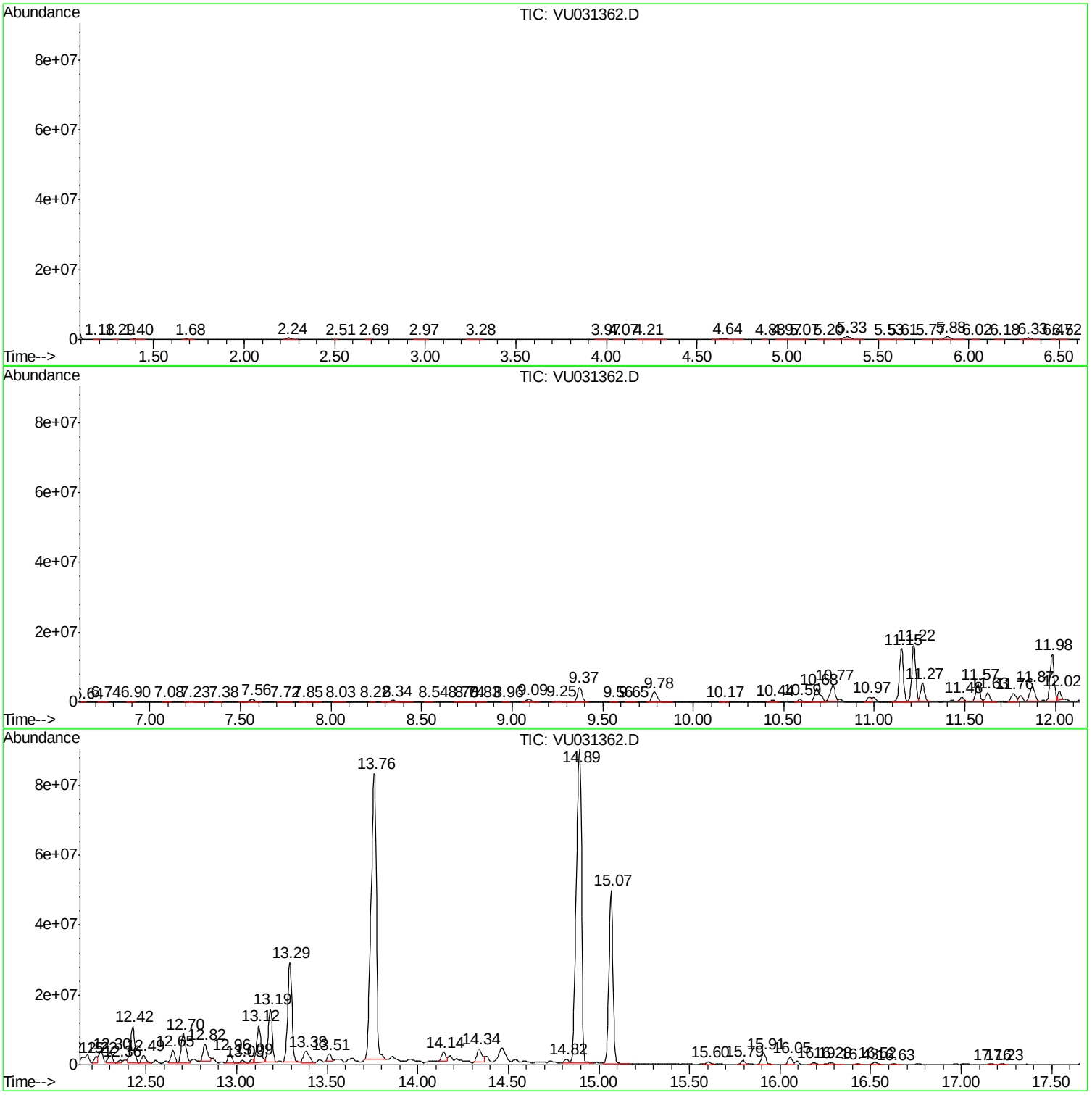
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

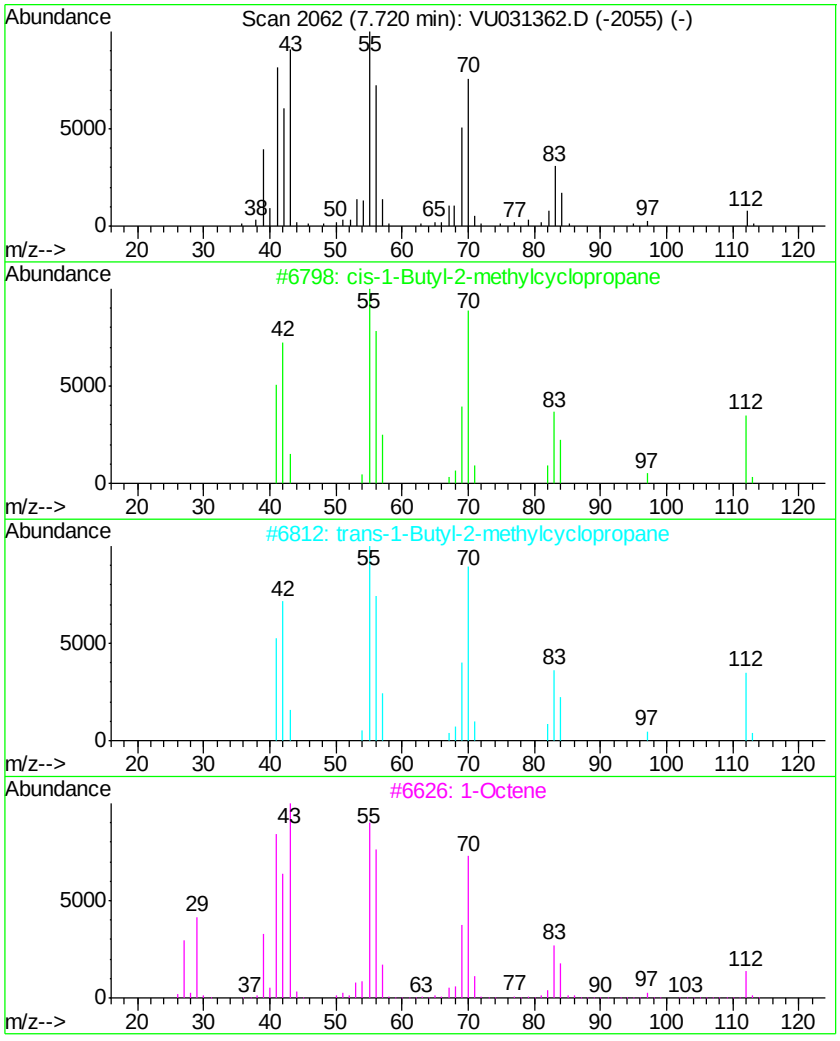
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

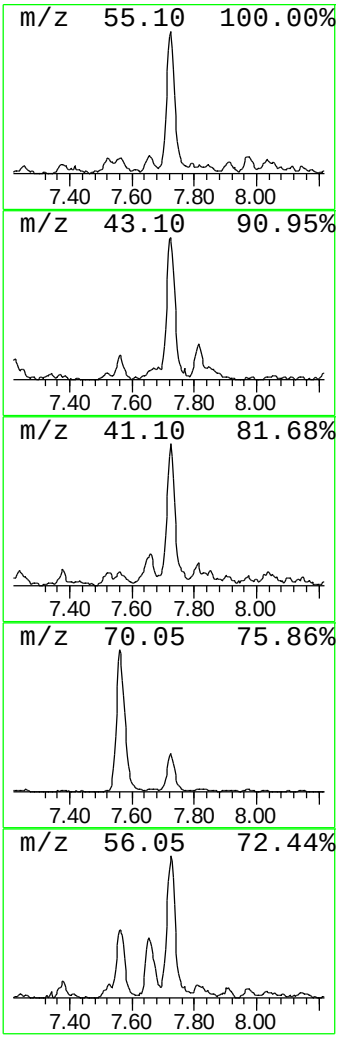
**********

Peak Number 2 (DEL) Alkane: Cyclic7.72 Concentration Rank 48

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.72 | 5.32 ug/L | 186794 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 91 |
| 2 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 91 |
| 3 | 1-Octene | 112 | C8H16 | 000111-66-0 | 74 |
| 4 | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12 | 019781-68-1 | 64 |
| 5 | Cyclopropane, butyl- | 98 | C7H14 | 000930-57-4 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

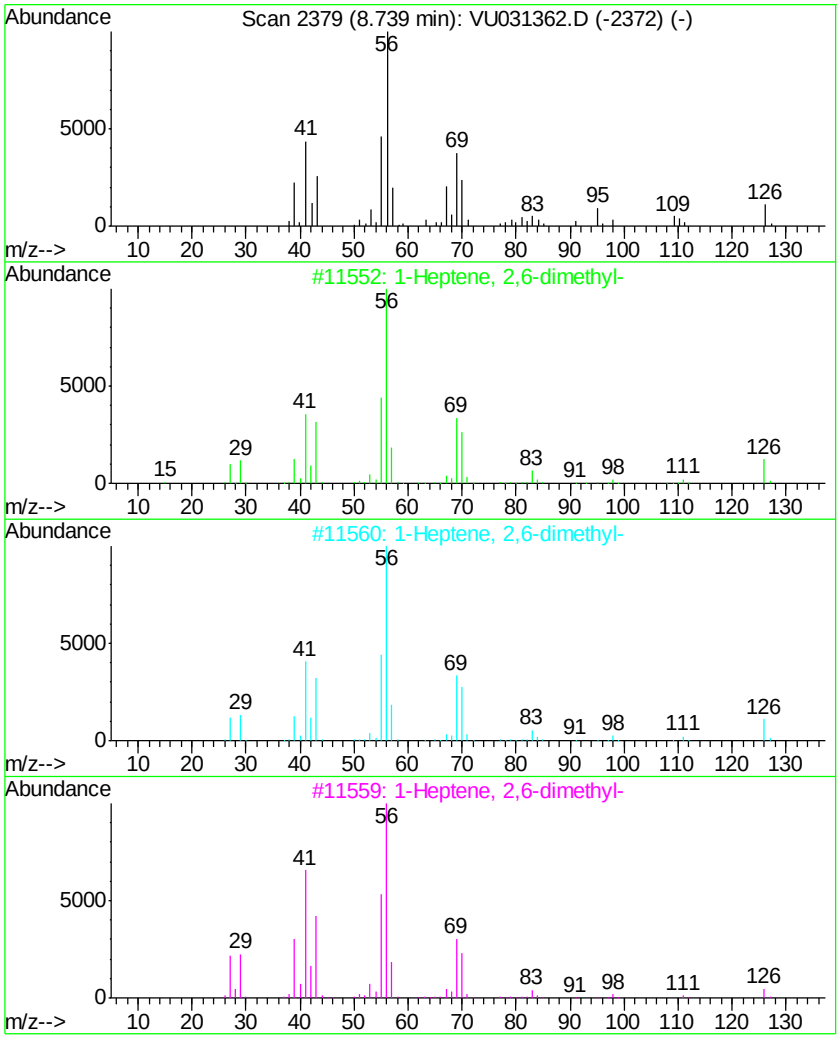
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

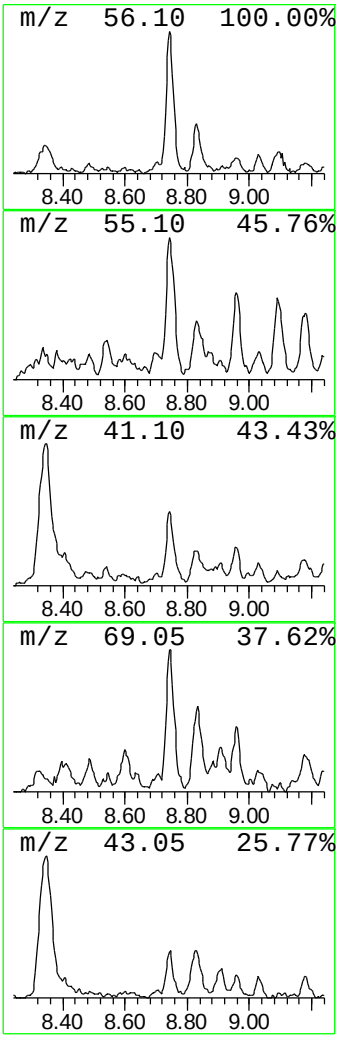
**********

Peak Number 3 (DEL) Alkane: Cyclic8.74 Concentration Rank 49

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.74 | 2.97 ug/L | 104446 | Chlorobenzene-d5 | 9.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 76 |
| 2 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 76 |
| 3 | 1-Heptene, 2,6-dimethyl- | 126 | C9H18 | 003074-78-0 | 74 |
| 4 | 1-Octene, 2-methyl- | 126 | C9H18 | 004588-18-5 | 52 |
| 5 | 1-Octene, 2-methyl- | 126 | C9H18 | 004588-18-5 | 52 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

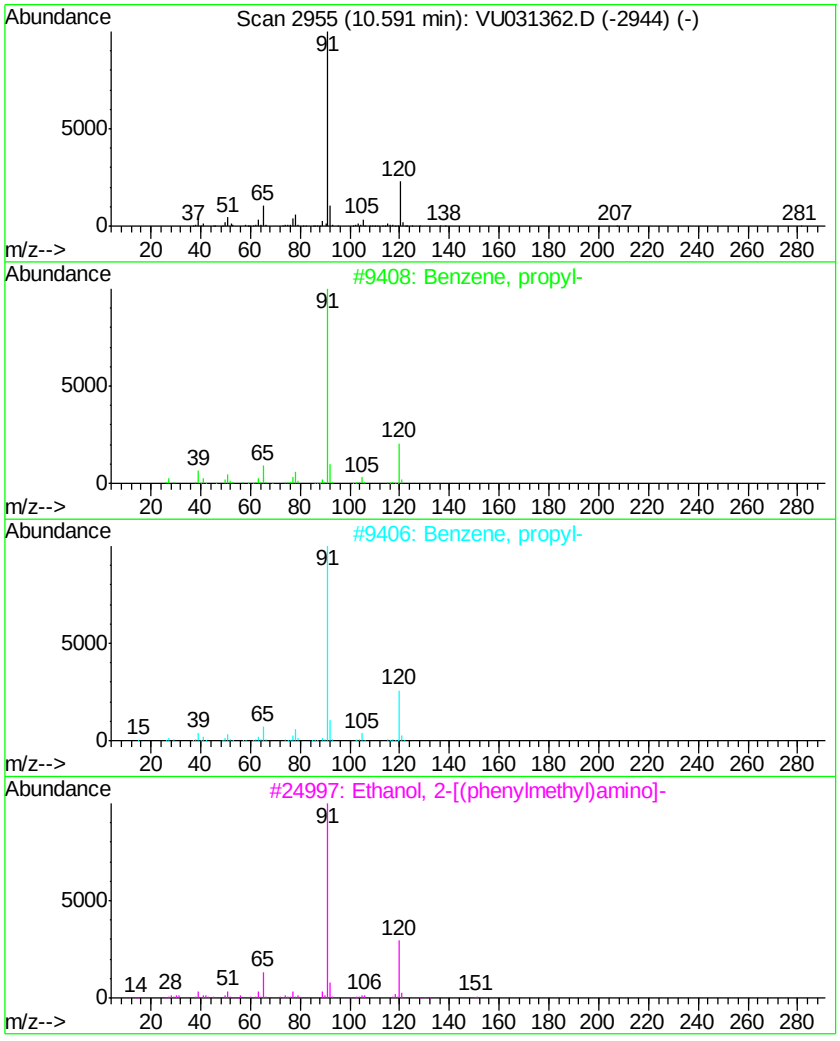
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

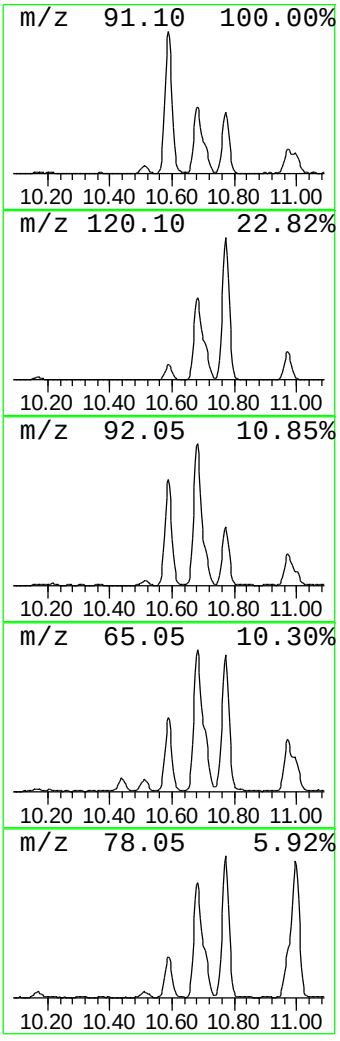
**********

Peak Number 4 Benzene, propyl- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.59 | 30.81 ug/L | 1185470 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 3 | Ethanol, 2-[(phenylmethyl)amino]- | 151 | C9H13NO | 000104-63-2 | 72 |
| 4 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 64 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 64 |



Library Search Compound Report

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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

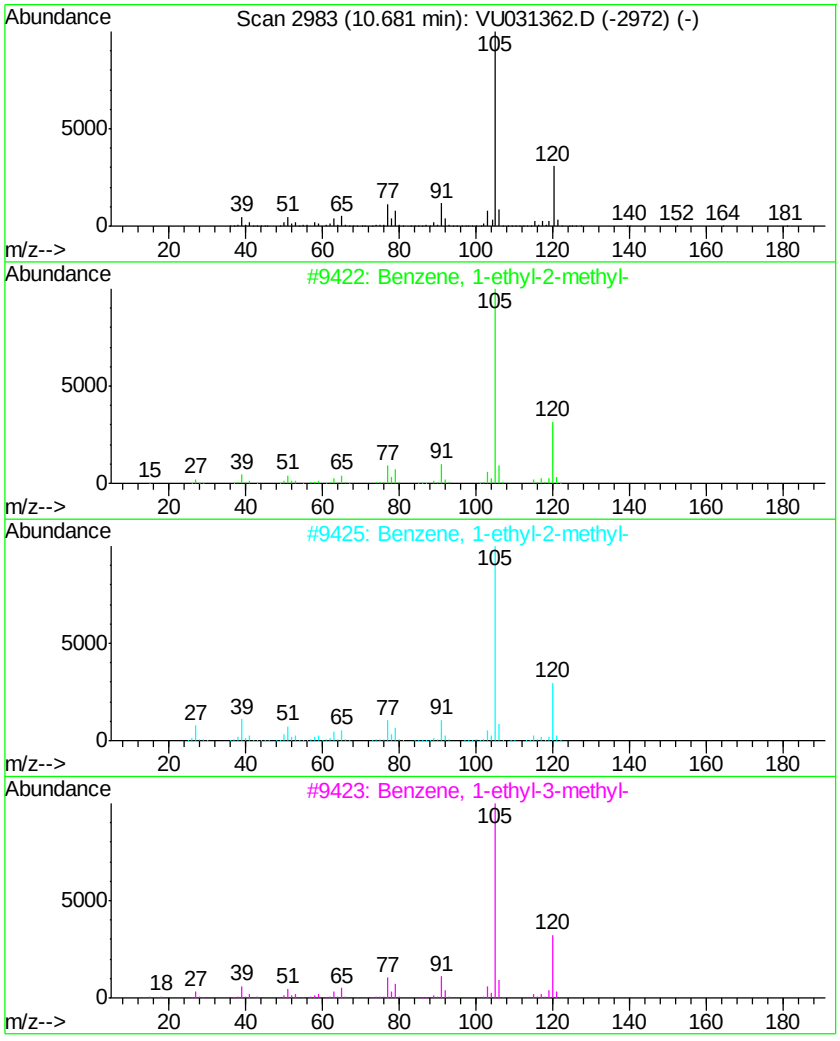
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

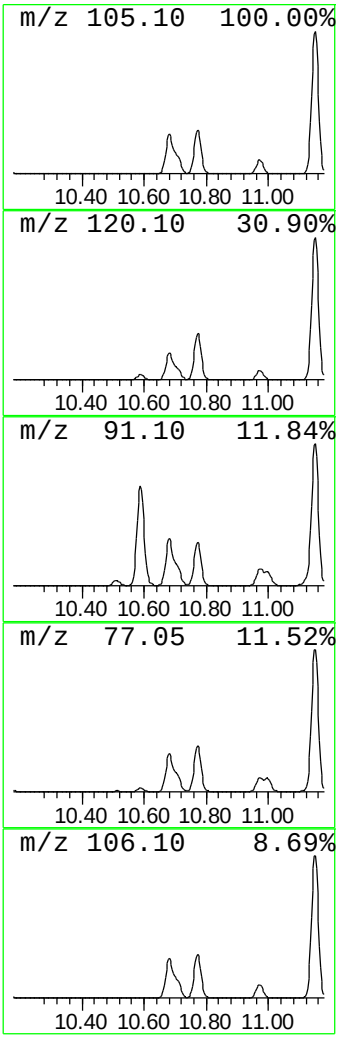
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.68 | 215.18 ug/L | 8278180 | 1,4-Dichlorobenzene-d4 | 11.49 |

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

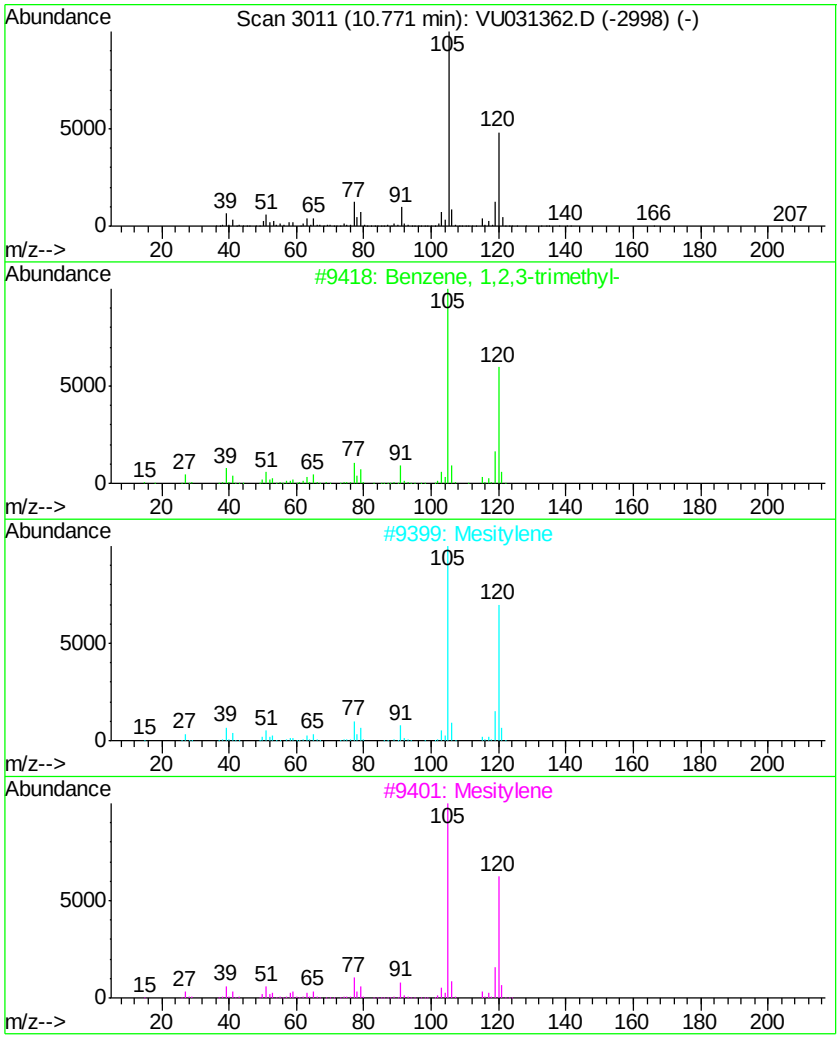
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

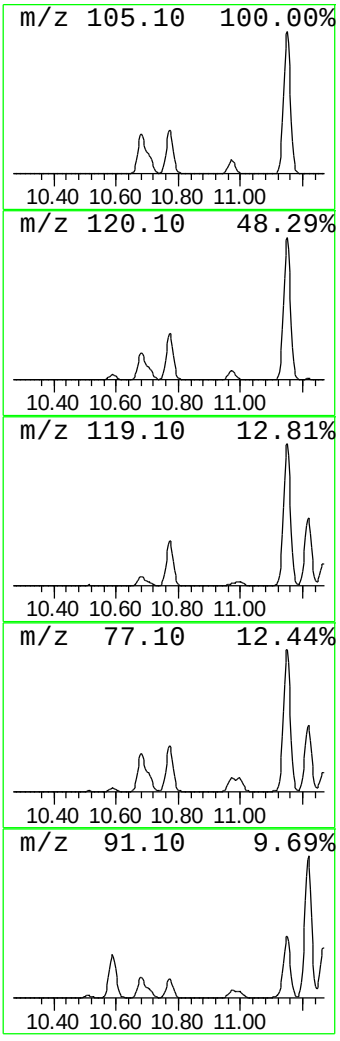
**********

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.77 | 223.57 ug/L | 8600720 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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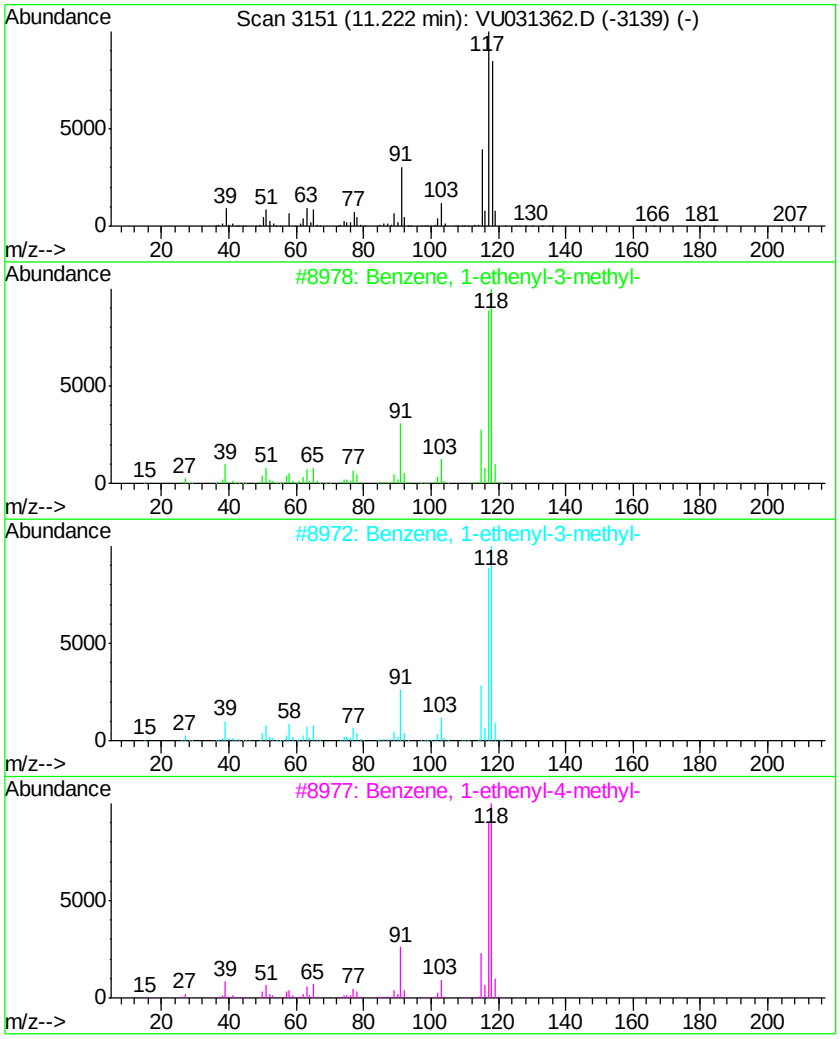
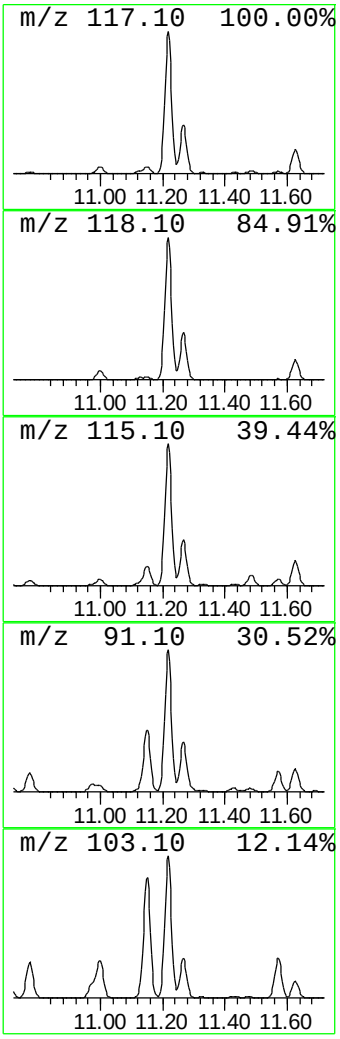
Peak Number 9 Benzene, 1-ethenyl-3-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.22 | 636.05 ug/L | 24469200 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 96 |
| 2 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 96 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 95 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 94 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 94 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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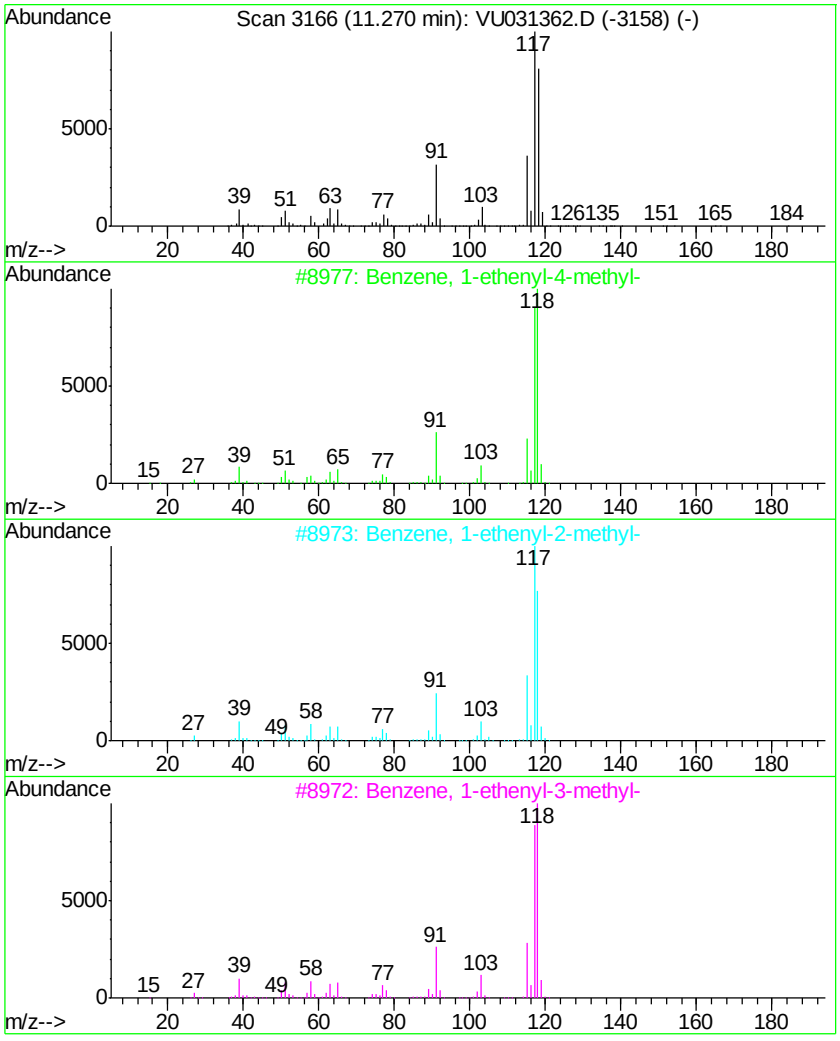
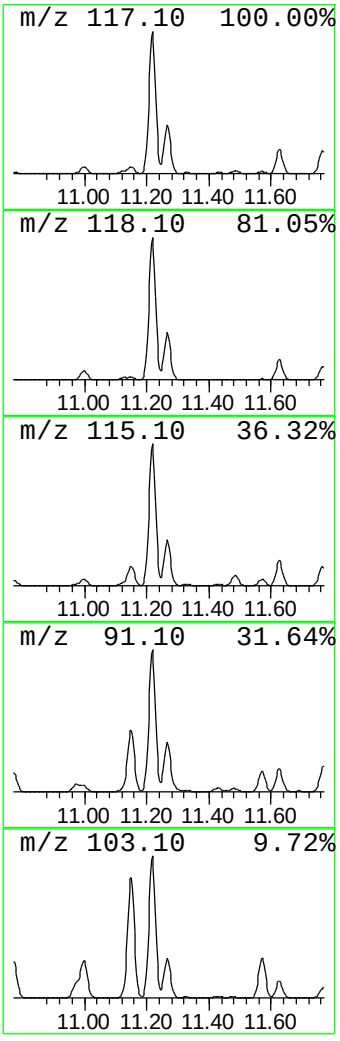
Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.27 | 204.69 ug/L | 7874600 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 95 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 94 |
| 3 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 94 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 94 |
| 5 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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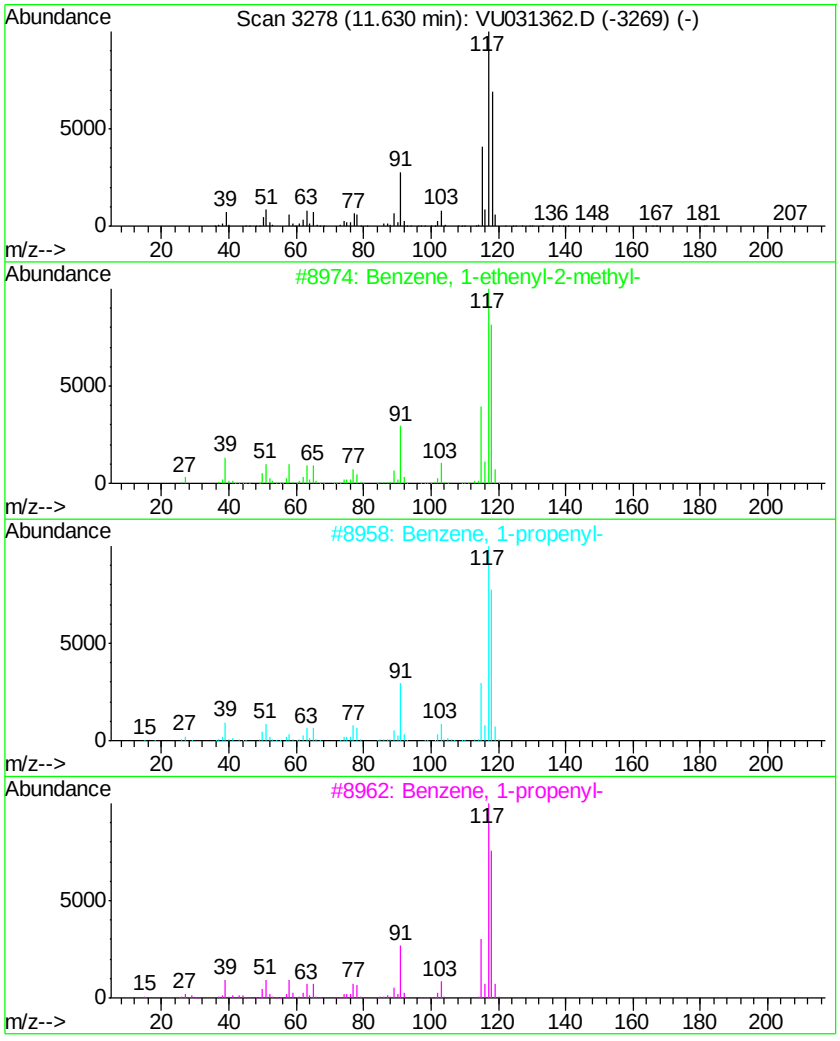
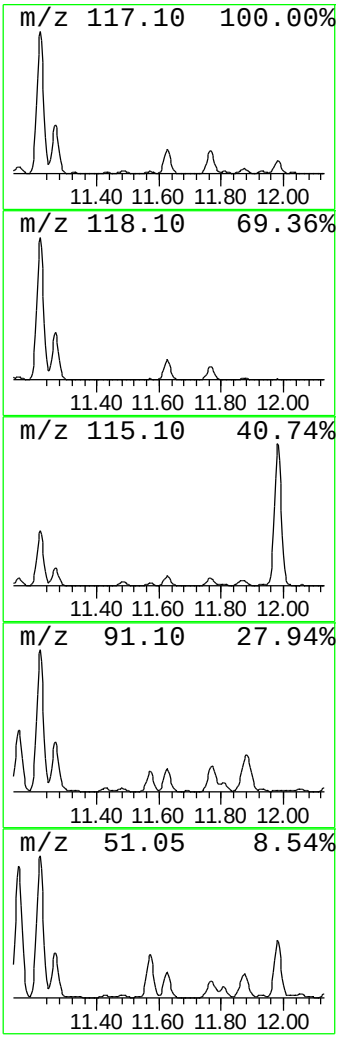
Peak Number 12 Benzene, 1-ethenyl-2-methyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.63 | 104.36 ug/L | 4014660 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 95 |
| 2 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 95 |
| 3 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 95 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 94 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 94 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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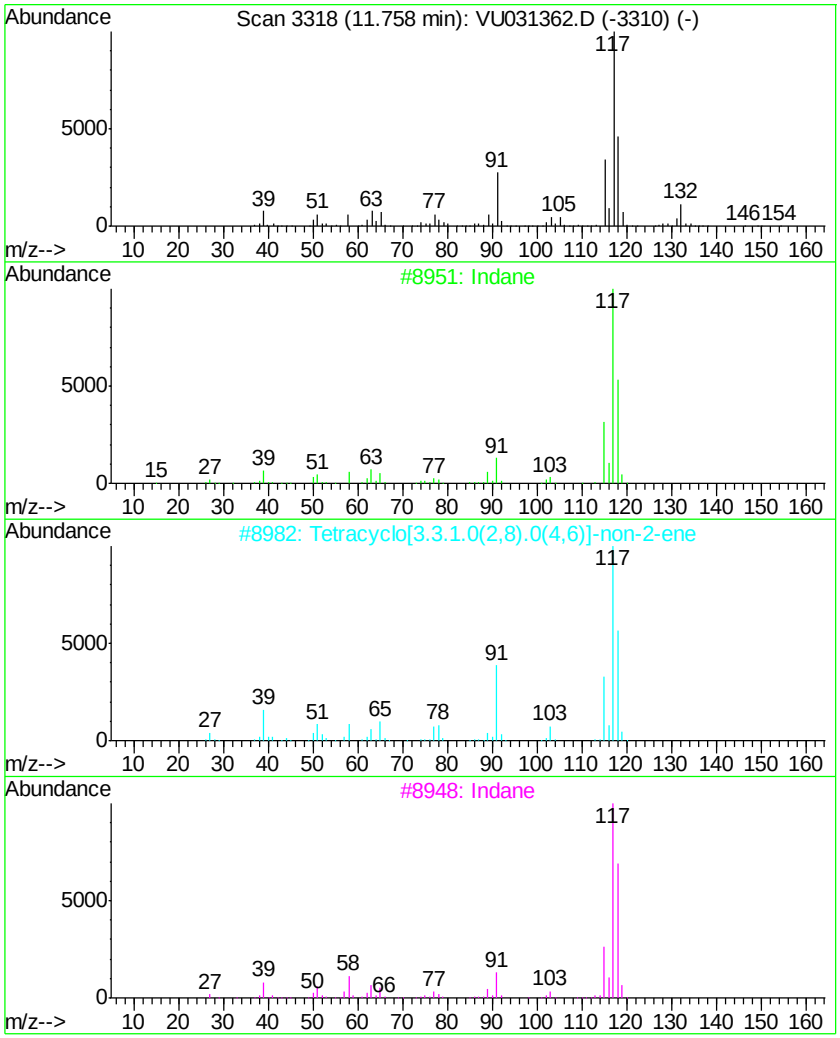
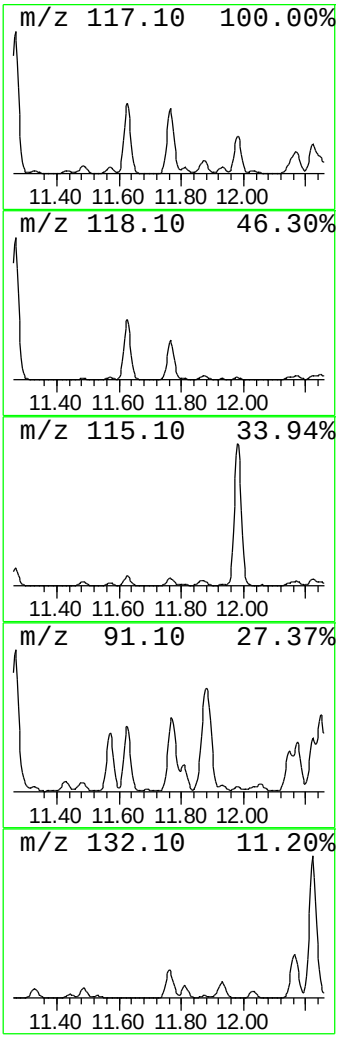
Peak Number 13 Indane Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 117.36 ug/L | 4514760 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 2 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 76 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 64 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 62 |
| 5 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

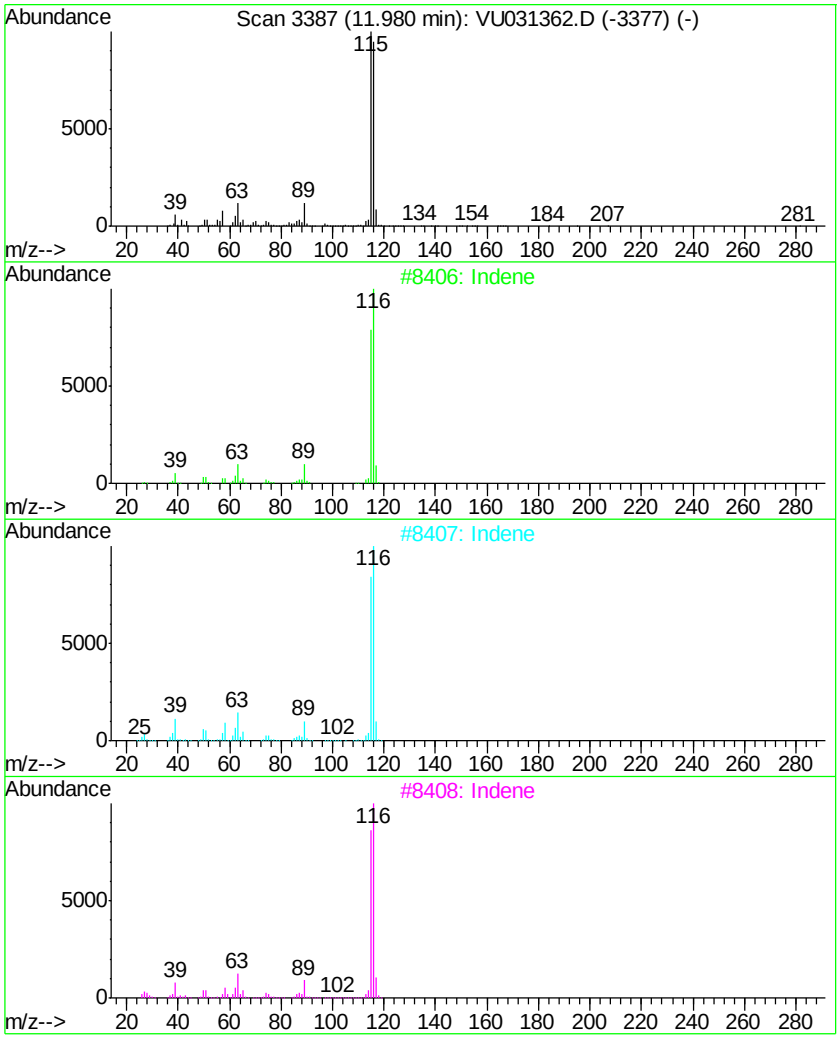
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

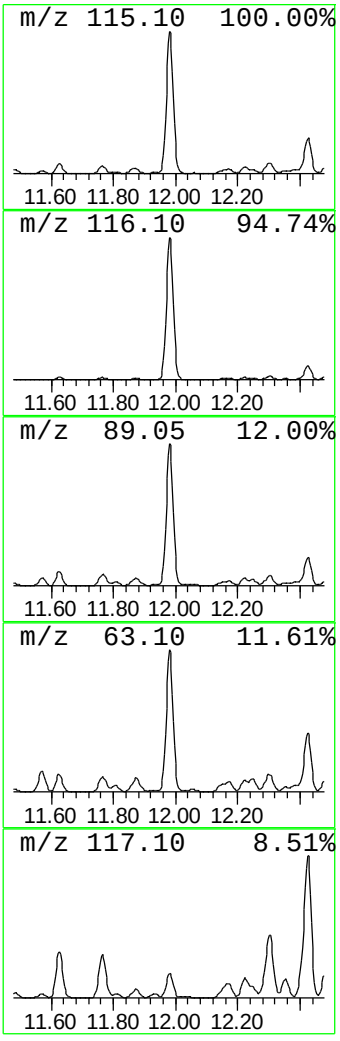
**********

Peak Number 14 Indene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.98 | 539.75 ug/L | 20764500 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 5 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

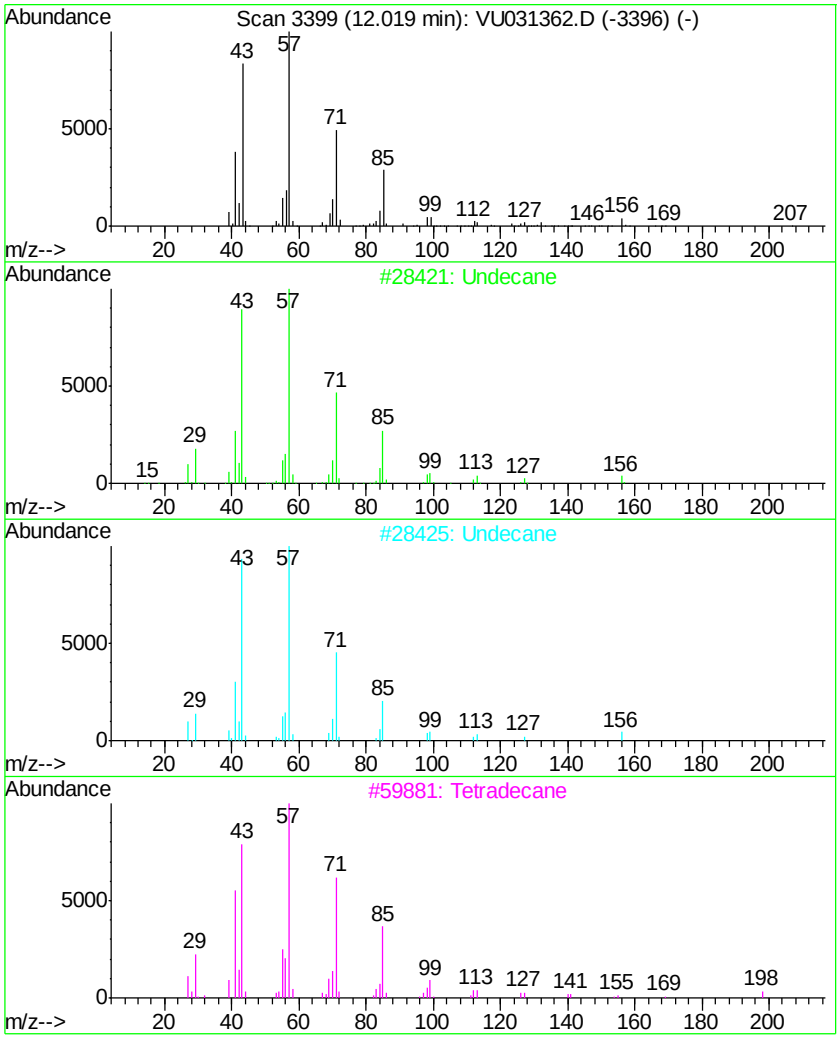
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

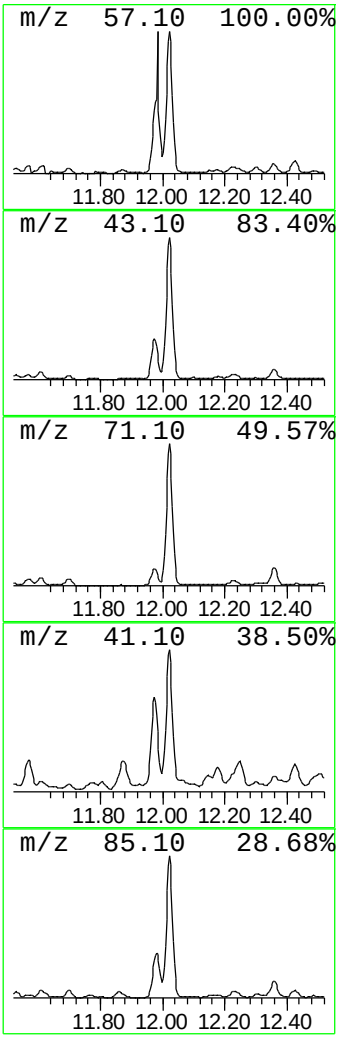
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.02 | 74.48 ug/L | 2865190 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 91 |
| 2 | Undecane | 156 | C11H24 | 001120-21-4 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Undecane | 156 | C11H24 | 001120-21-4 | 87 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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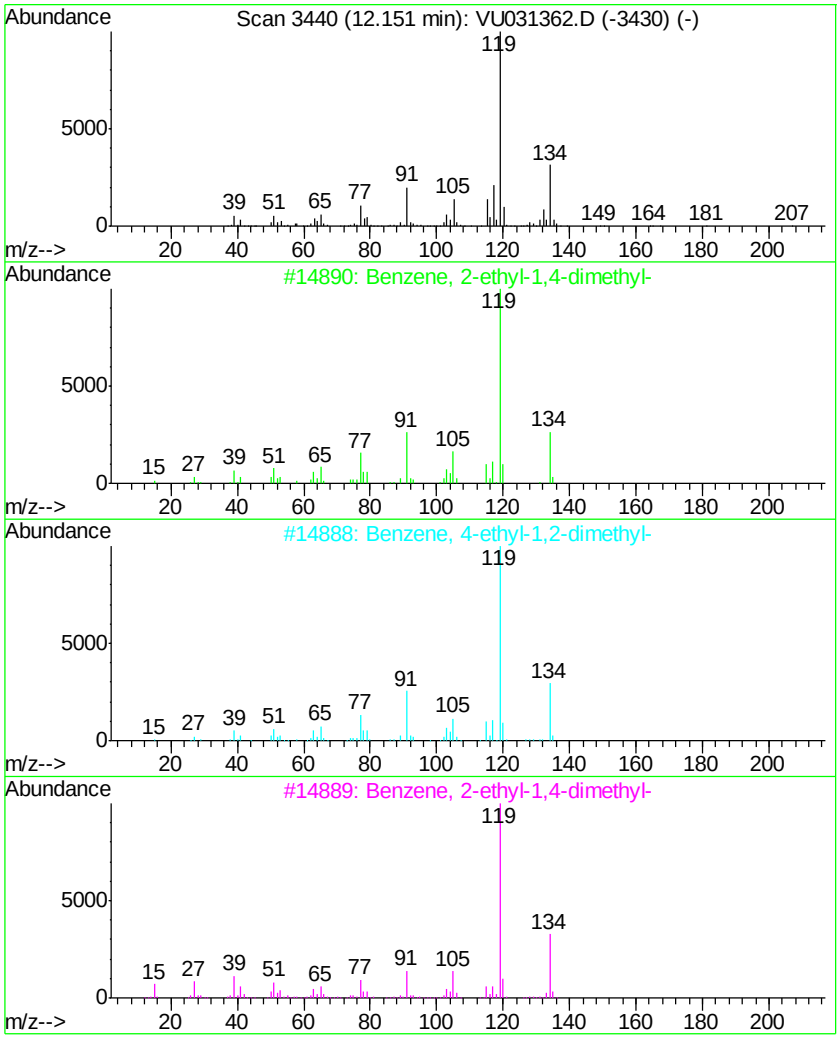
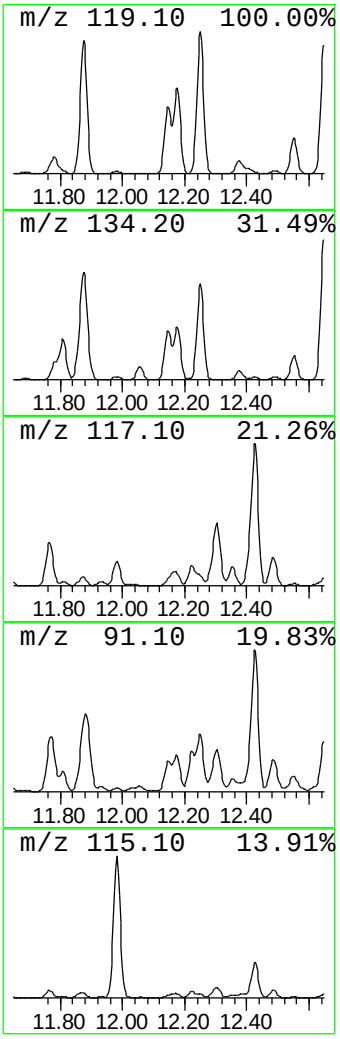
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.15 | 76.50 ug/L | 2942990 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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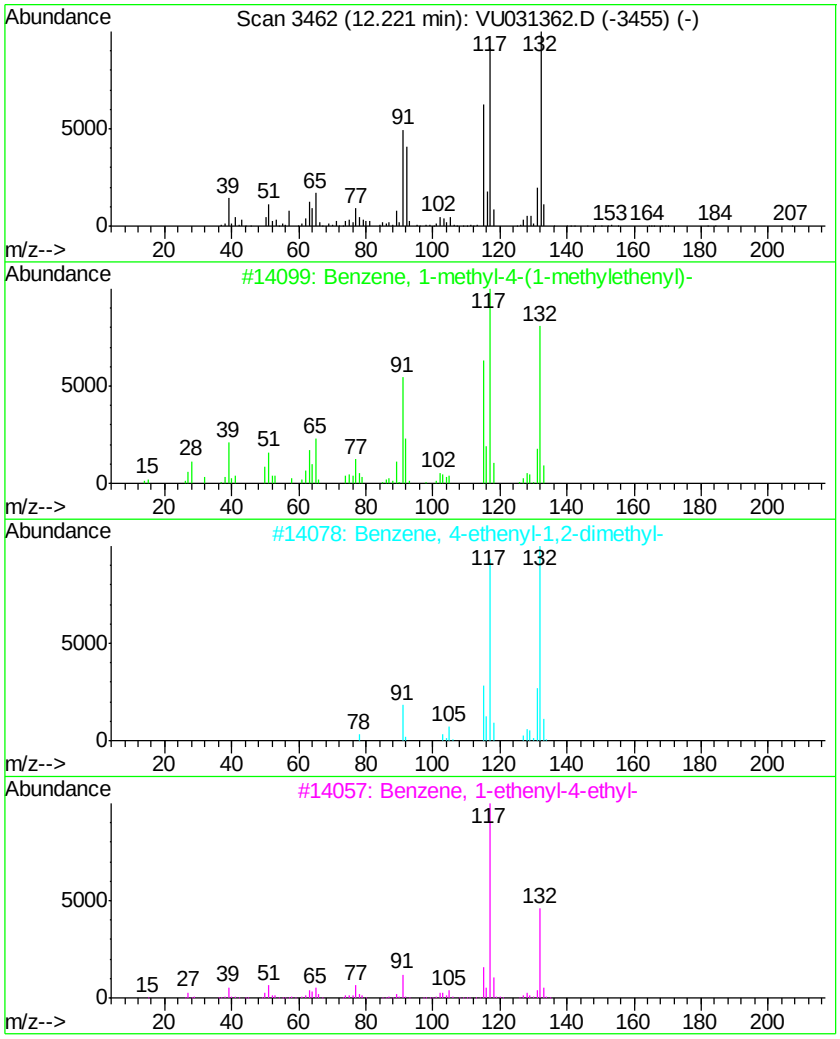
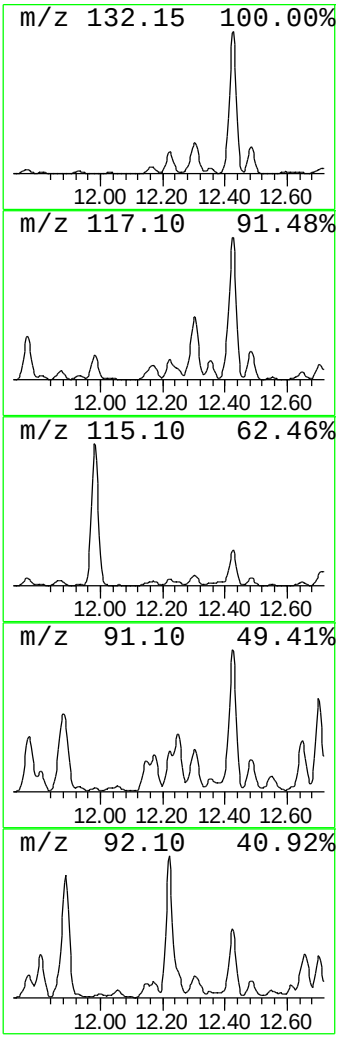
Peak Number 17 Benzene, 1-methyl-4-(1-meth... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.22 | 56.55 ug/L | 2175340 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12 | 001195-32-0 | 96 |
| 2 | Benzene, 4-ethenyl-1,2-dimethyl- | 132 | C10H12 | 027831-13-6 | 93 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 92 |
| 4 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 90 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 89 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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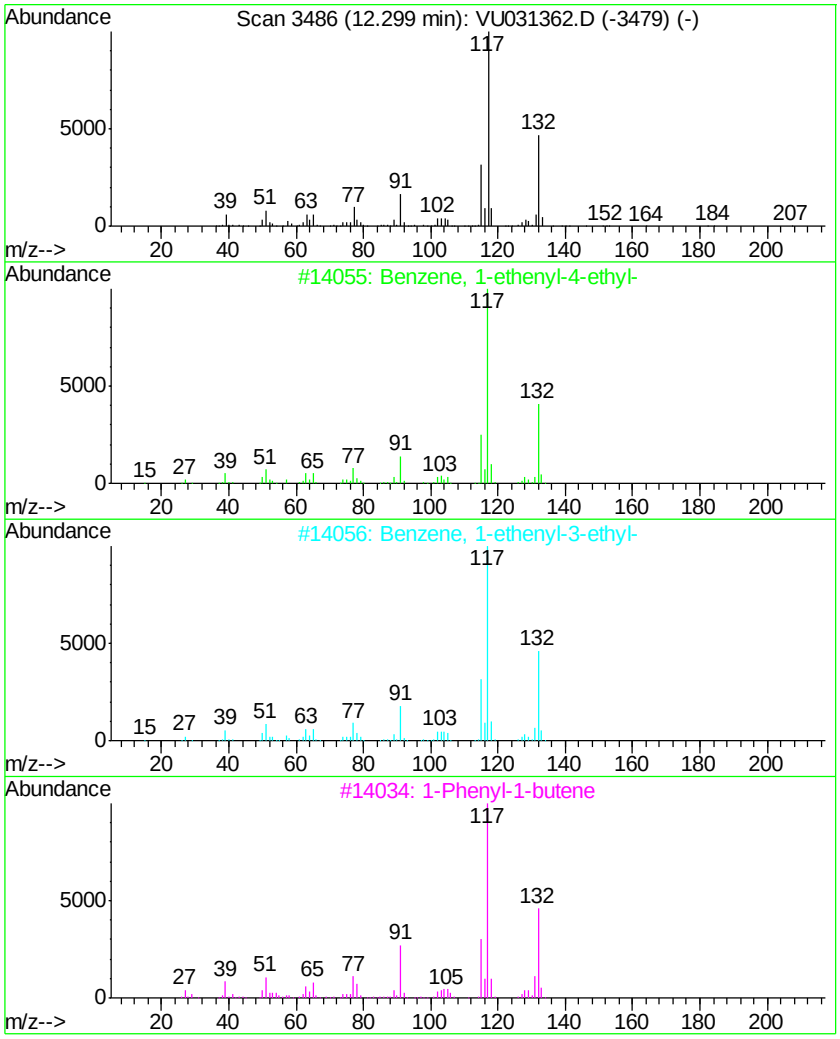
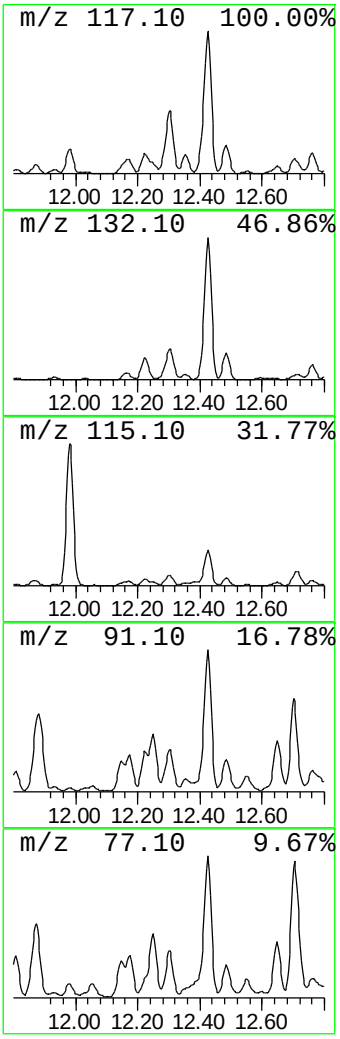
Peak Number 18 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 123.45 ug/L | 4749190 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 97 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 96 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 94 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 93 |
| 5 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 93 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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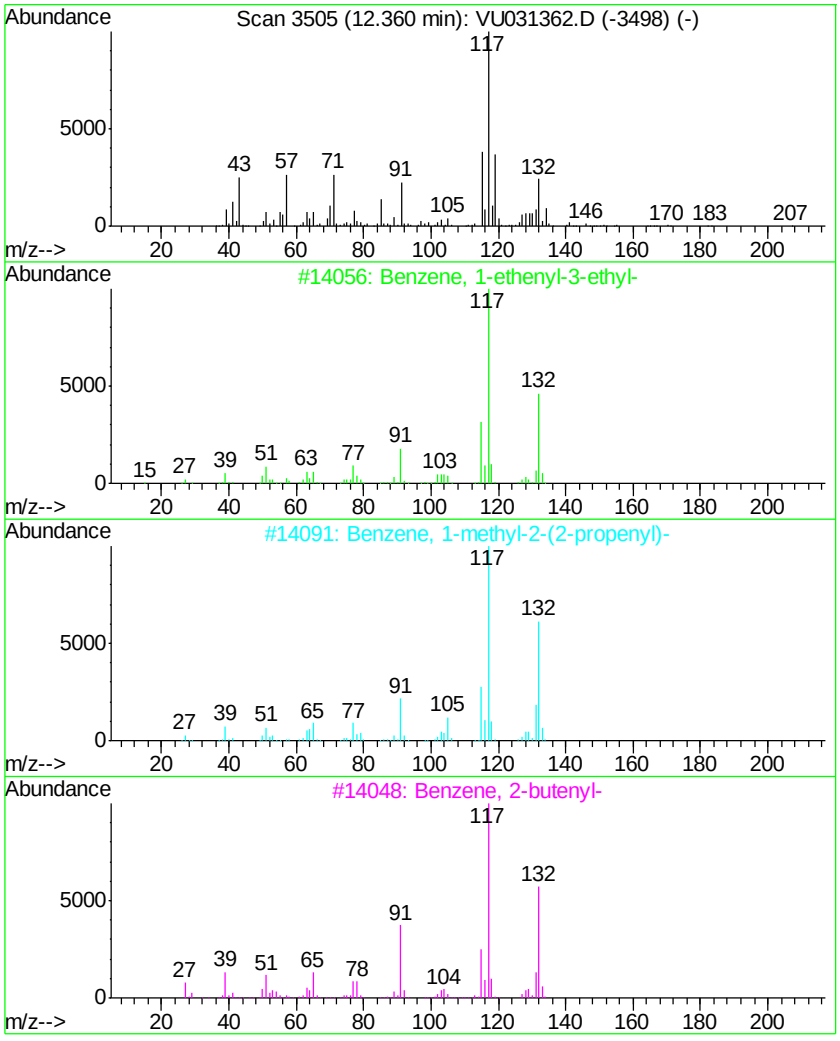
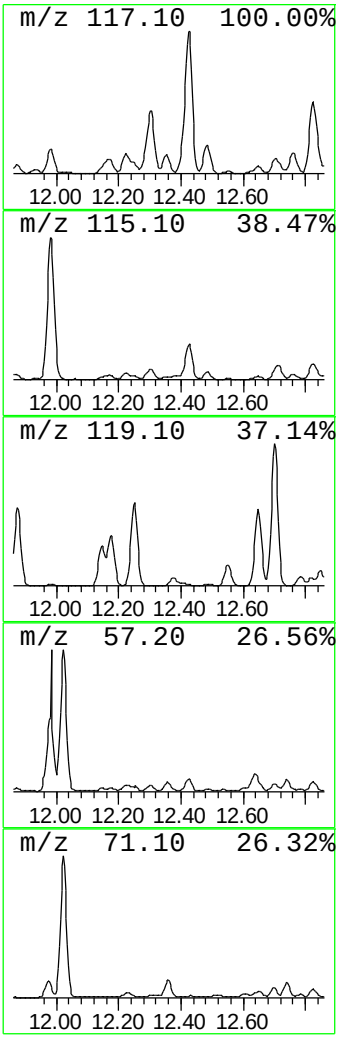
Peak Number 19 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.36 | 23.92 ug/L | 920320 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 68 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 64 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 64 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 62 |
| 5 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 58 |



Library Search Compound Report

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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

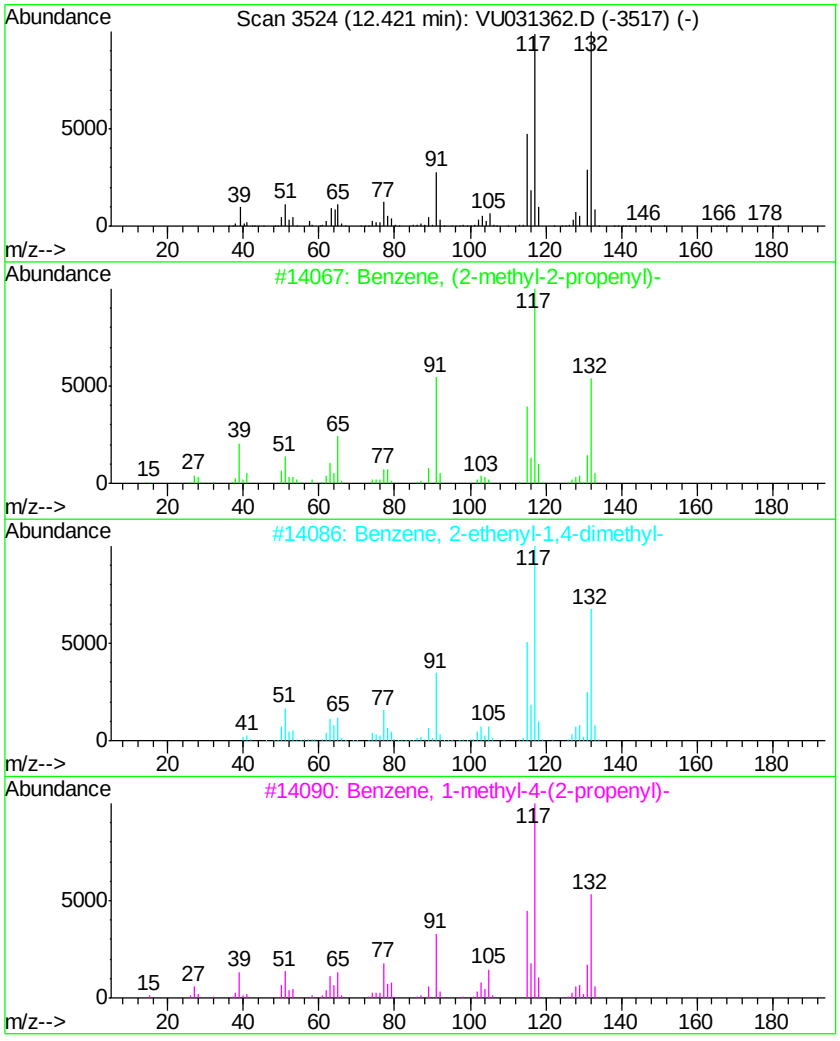
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

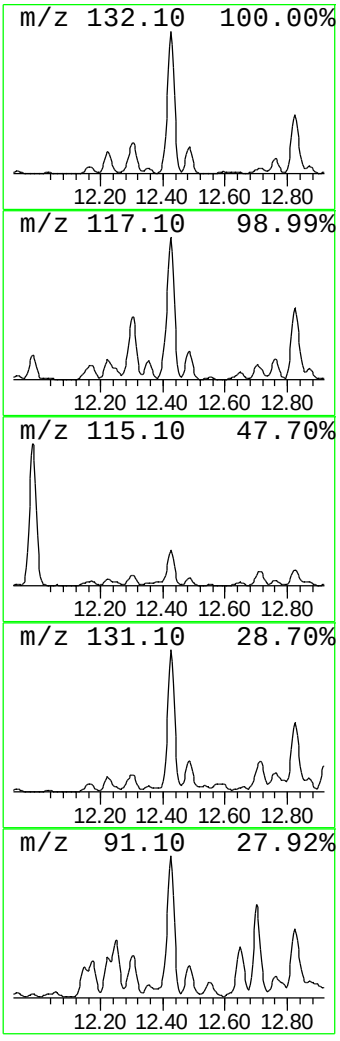
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzene, (2-methyl-2-propen... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.42 | 429.85 ug/L | 16536700 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 95 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 94 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 94 |
| 4 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 94 |
| 5 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 93 |



Library Search Compound Report

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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

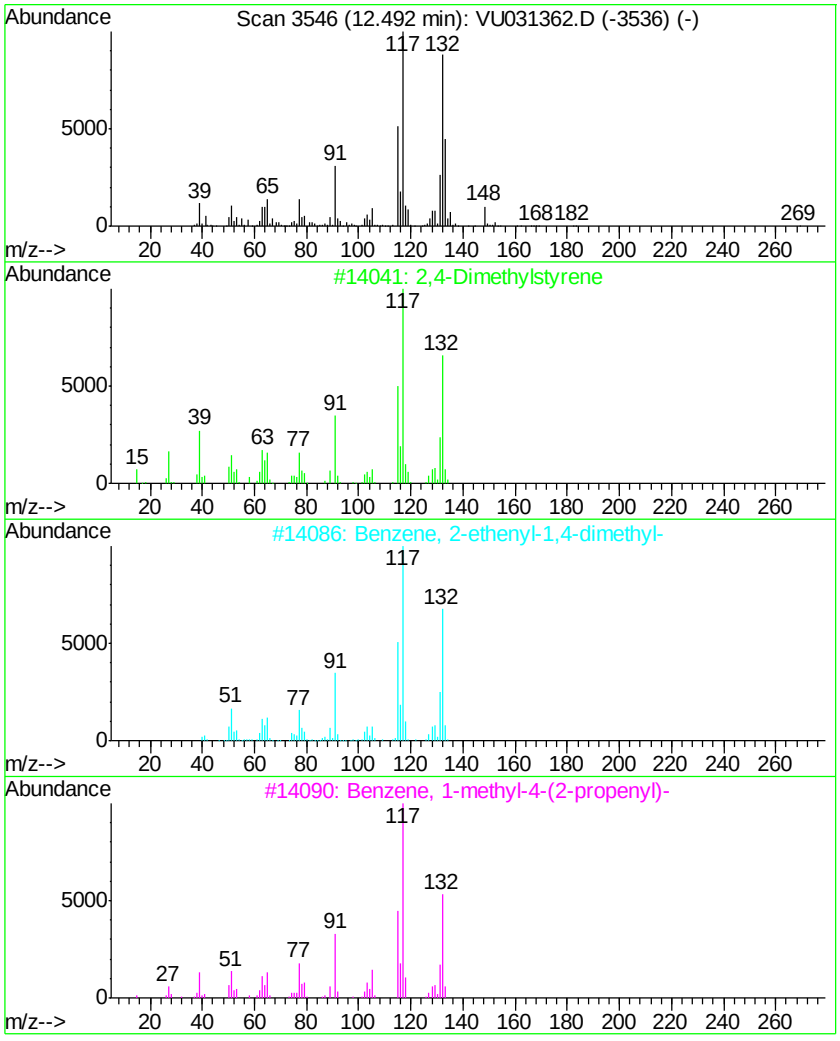
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

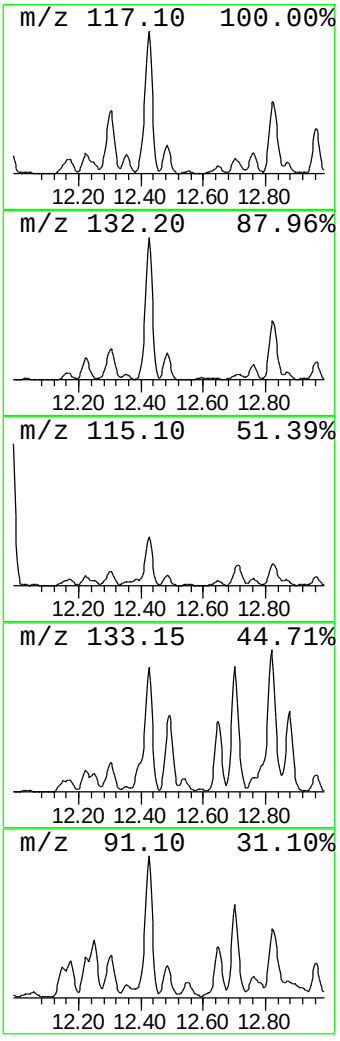
**********

Peak Number 21 2,4-Dimethylstyrene Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.49 | 96.02 ug/L | 3693880 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 96 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 95 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 94 |



Library Search Compound Report

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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

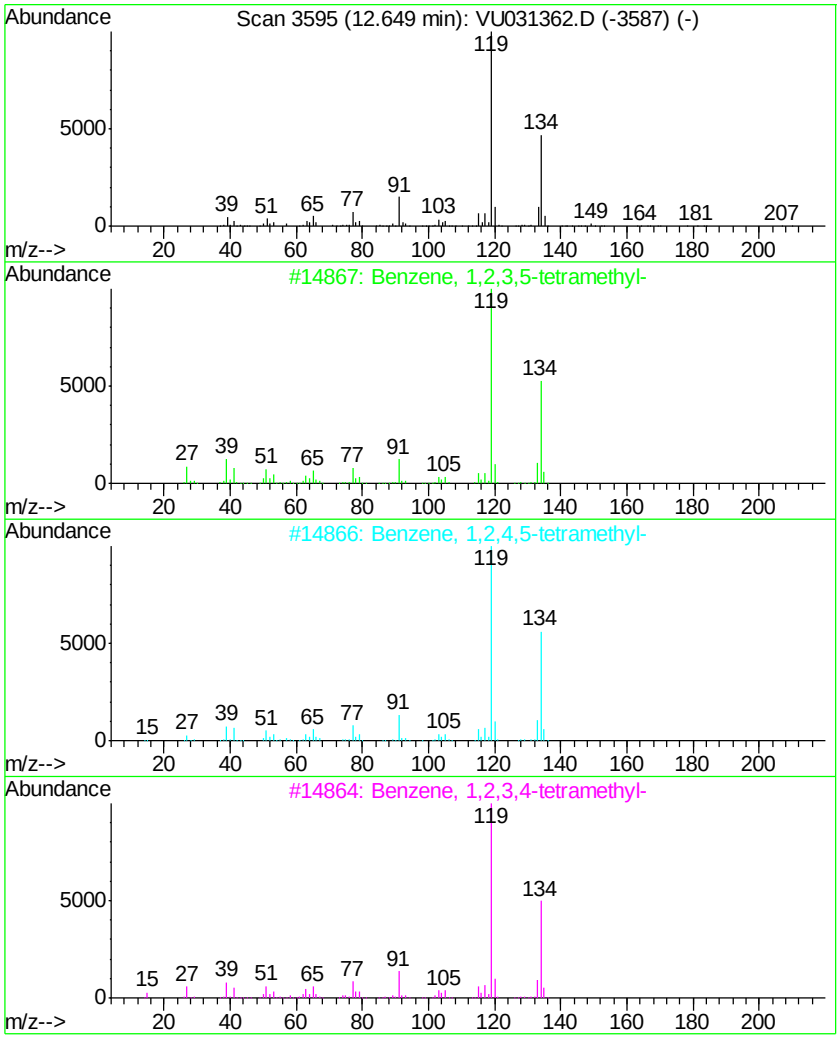
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

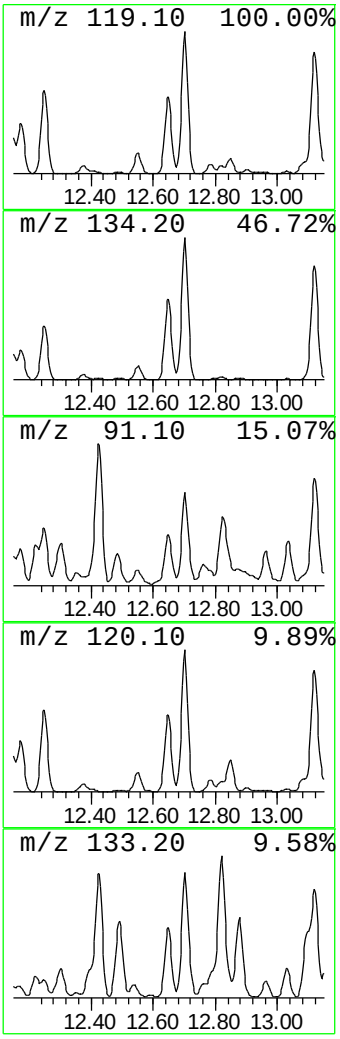
**********

Peak Number 22 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.65 | 138.39 ug/L | 5324060 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 5 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

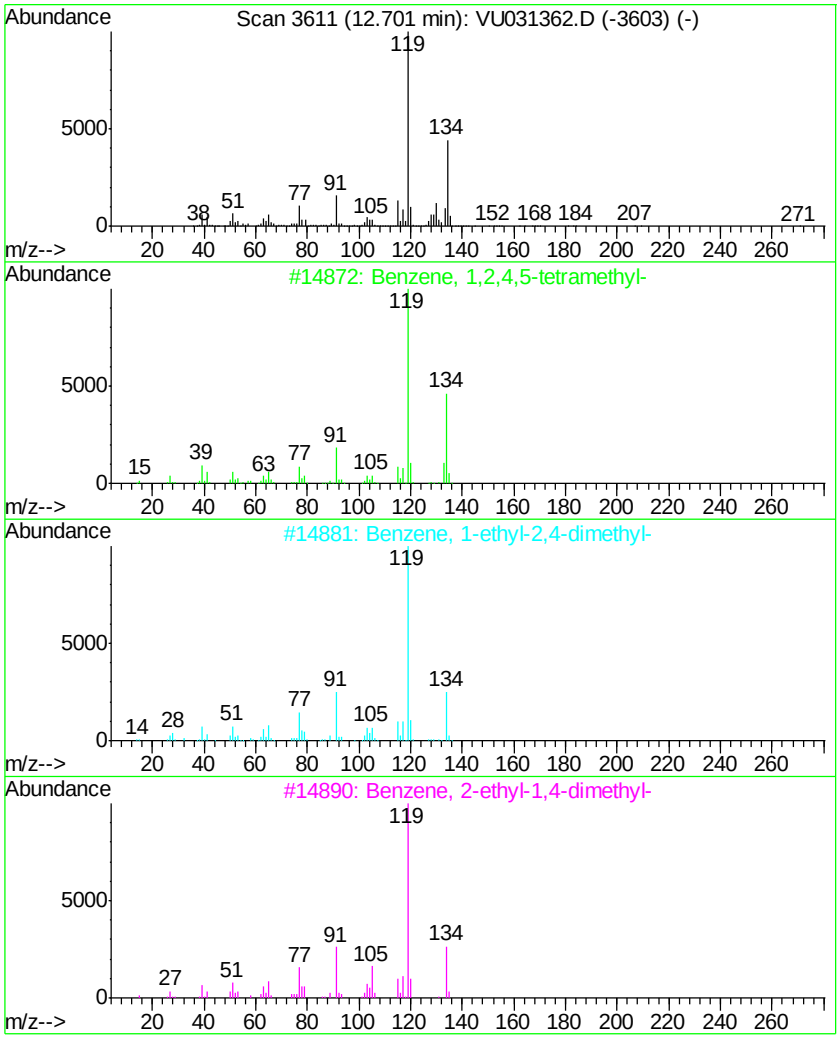
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

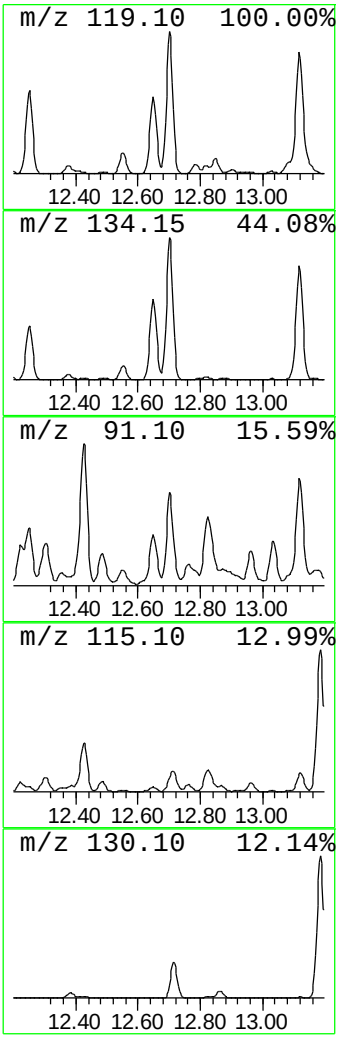
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.70 | 394.61 ug/L | 15180800 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 2 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 93 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 93 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 81 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 81 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

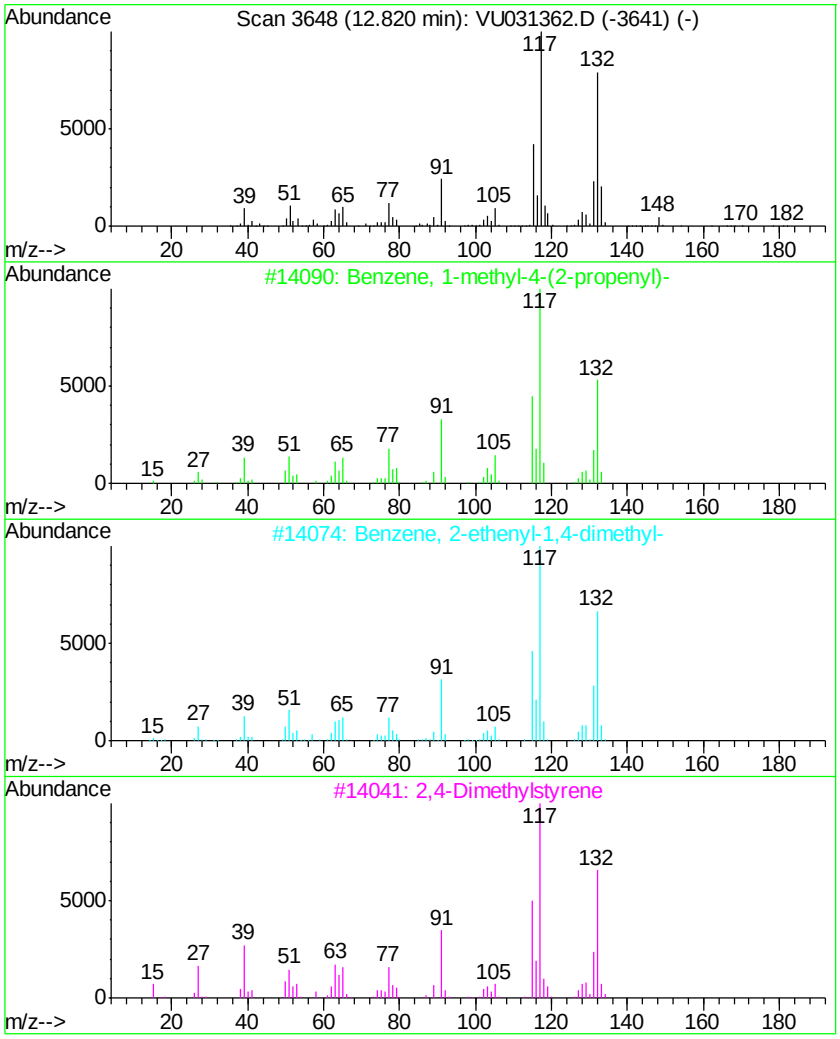
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

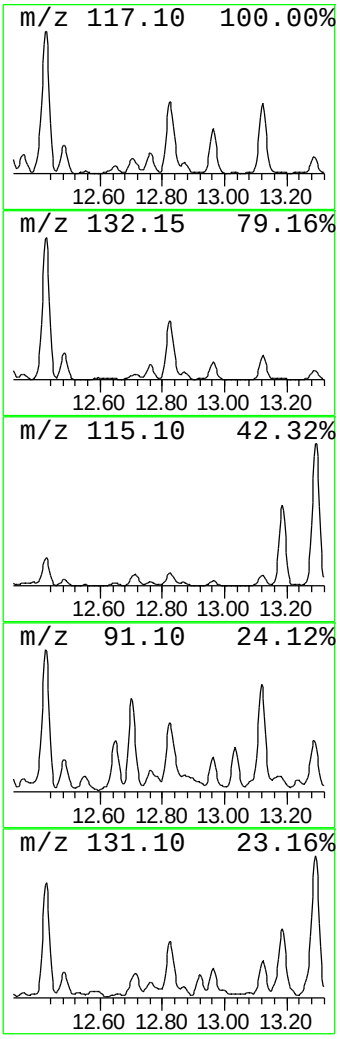
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, 1-methyl-4-(2-prop... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.82 | 231.36 ug/L | 8900530 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 97 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 97 |
| 3 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 97 |
| 4 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 96 |
| 5 | Benzene, 4-ethenyl-1,2-dimethyl- | 132 | C10H12 | 027831-13-6 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

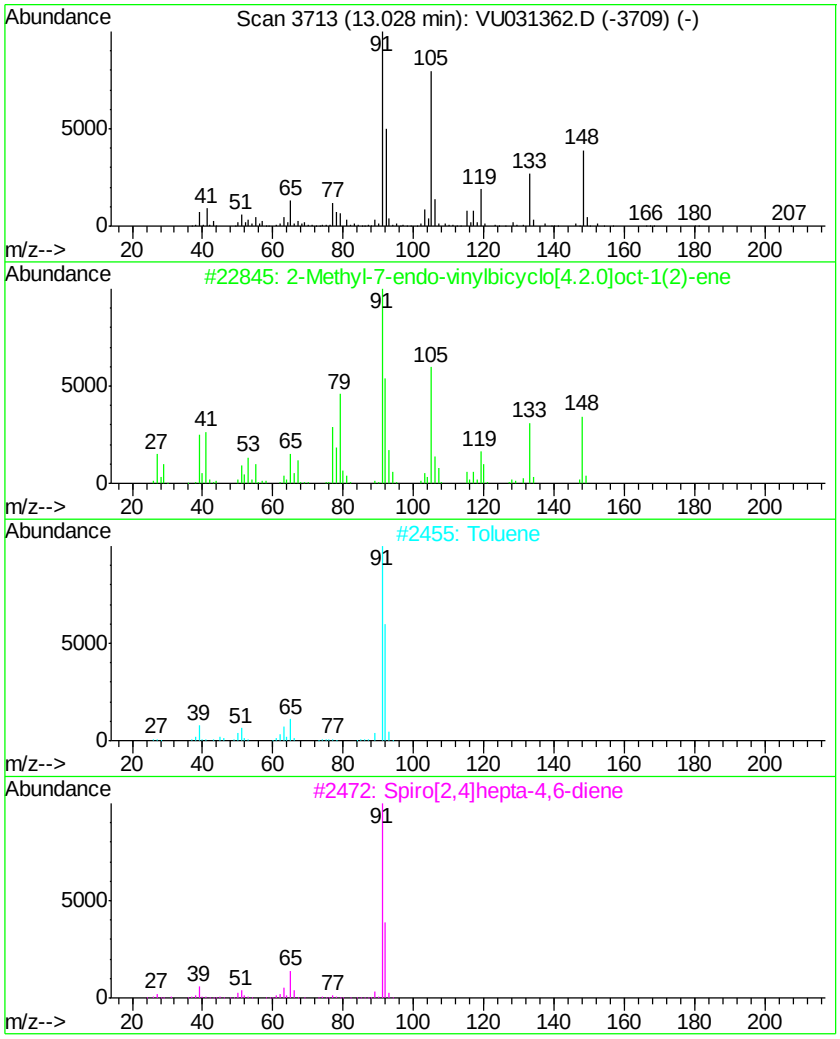
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

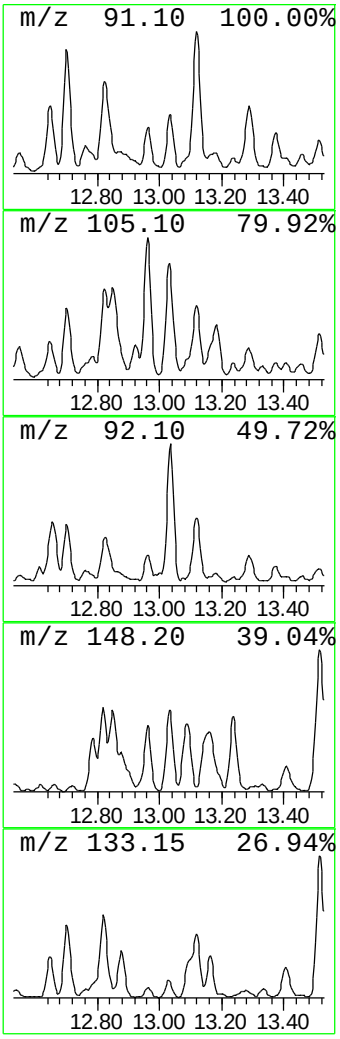
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 2-Methyl-7-endo-vinylbicycl... Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.03 | 26.66 ug/L | 1025700 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-7-endo-vinylbicyclo[4.2... | 148 | C11H16 | 1000200-99-1 | 59 |
| 2 | Toluene | 92 | C7H8 | 000108-88-3 | 30 |
| 3 | Spiro[2,4]hepta-4,6-diene | 92 | C7H8 | 000765-46-8 | 30 |
| 4 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 27 |
| 5 | Benzene, (2-methylpropyl)- | 134 | C10H14 | 000538-93-2 | 27 |



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Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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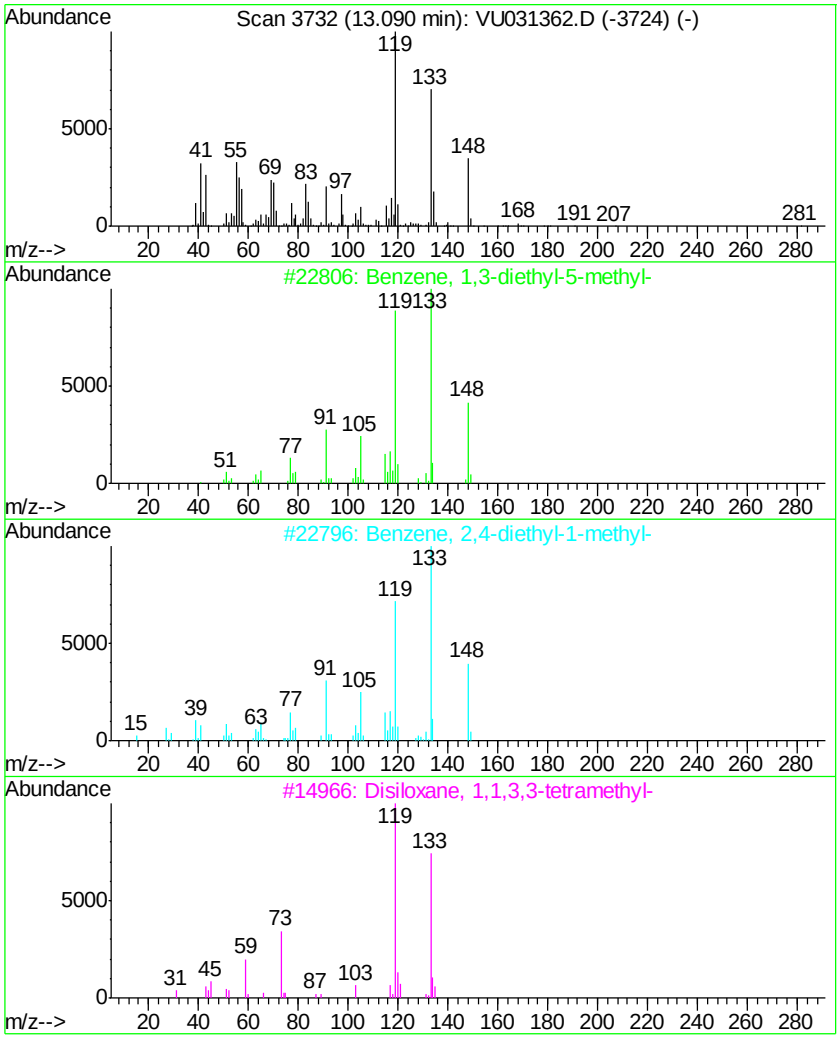
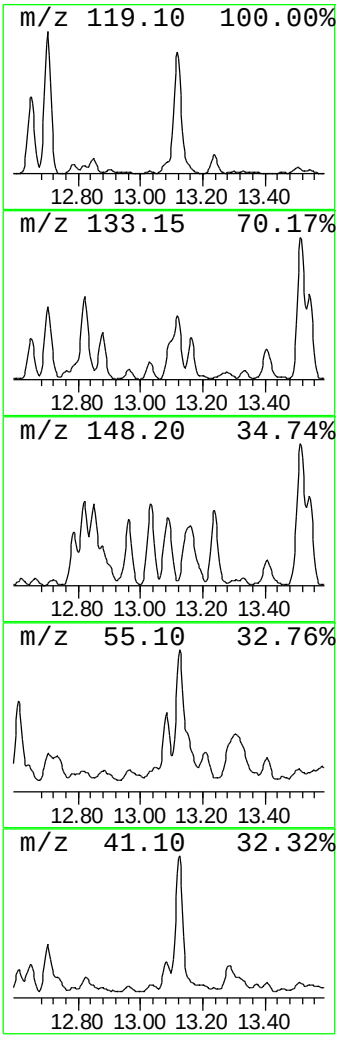
Peak Number 27 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.09 | 34.49 ug/L | 1326810 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 55 |
| 2 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 55 |
| 3 | Disiloxane, 1,1,3,3-tetramethyl- | 134 | C4H14OSi2 | 003277-26-7 | 49 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 46 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 46 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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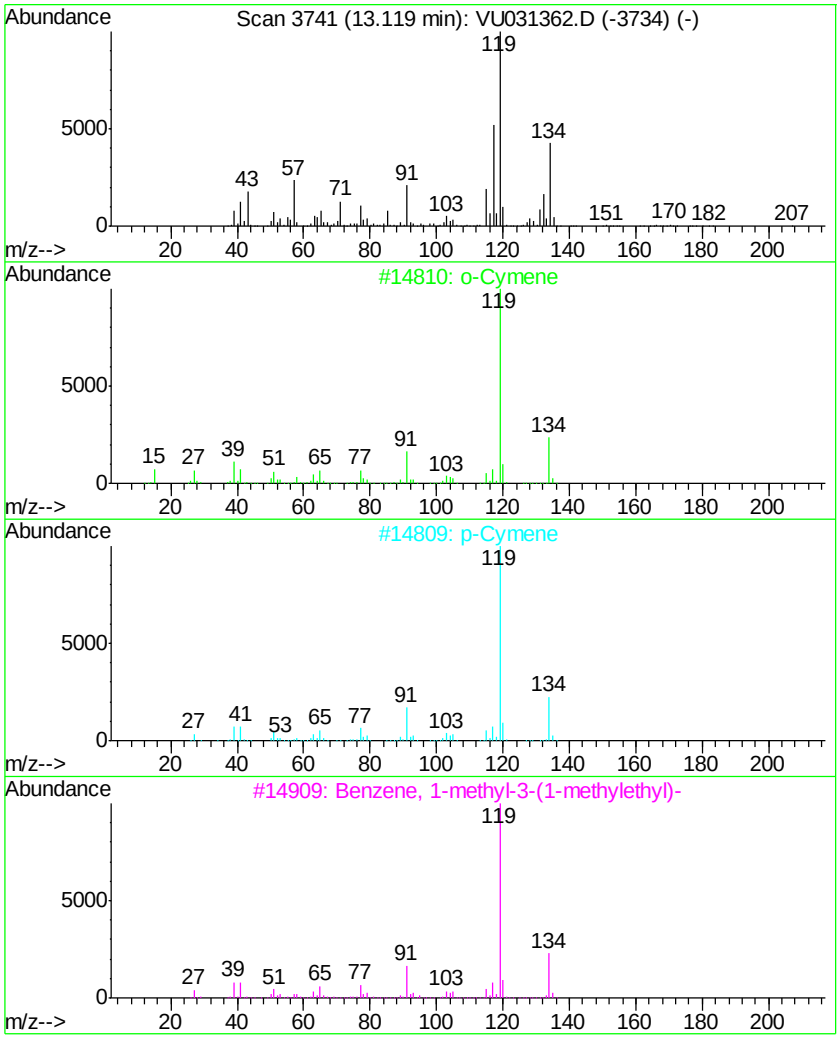
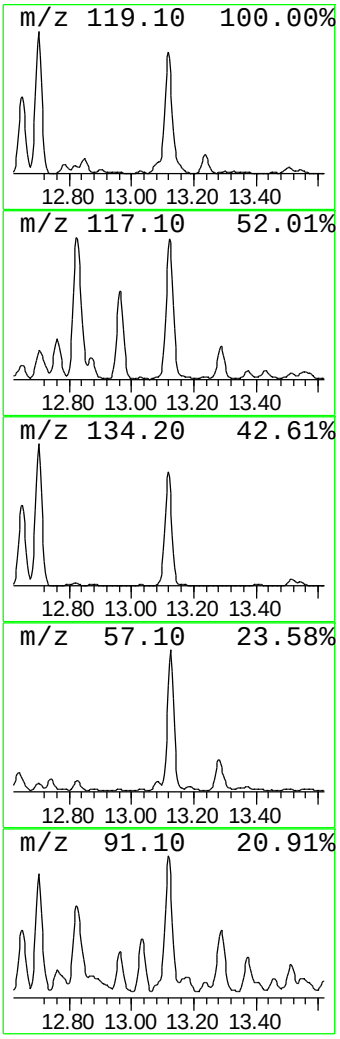
Peak Number 28 o-Cymene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.12 | 449.36 ug/L | 17287100 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 60 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 60 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 60 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 60 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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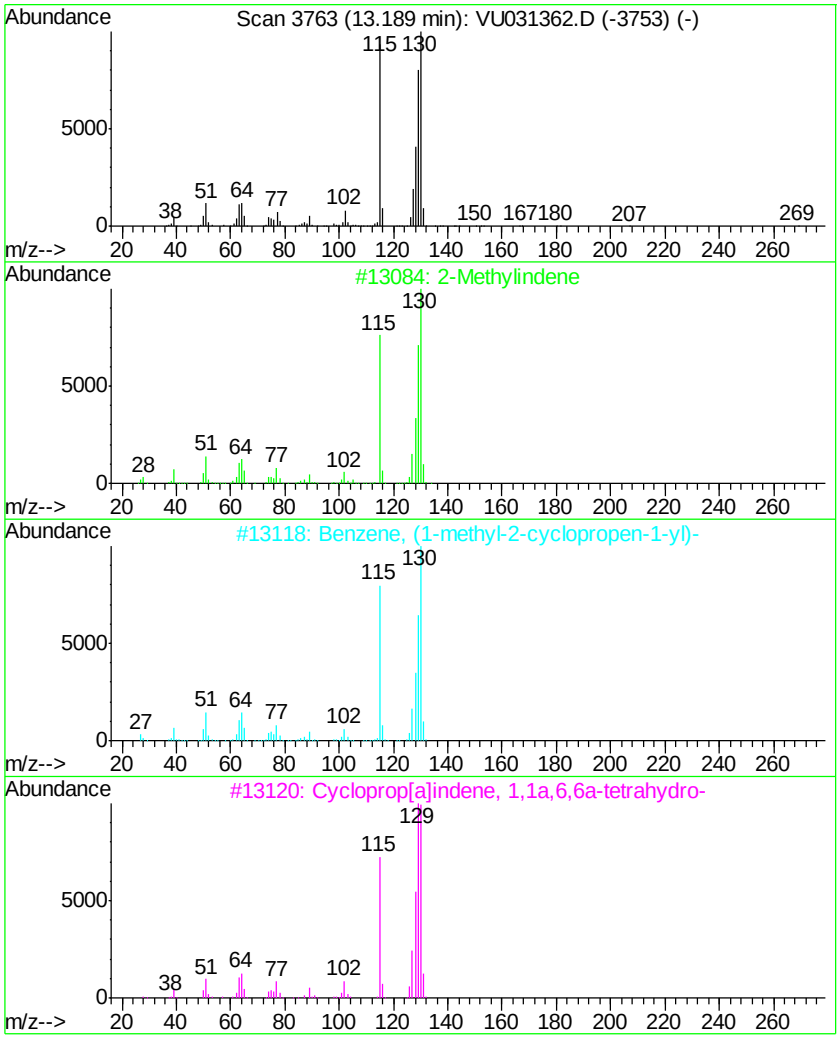
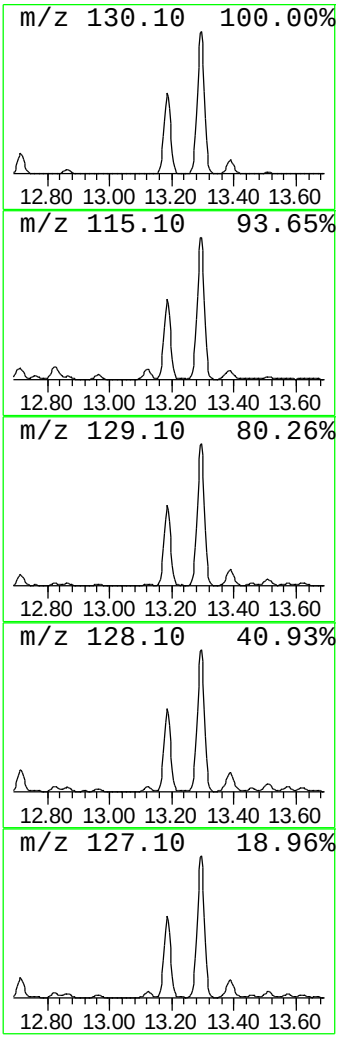
Peak Number 29 2-Methylindene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 605.07 ug/L | 23277400 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 97 |
| 2 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 95 |
| 3 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |
| 4 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 94 |
| 5 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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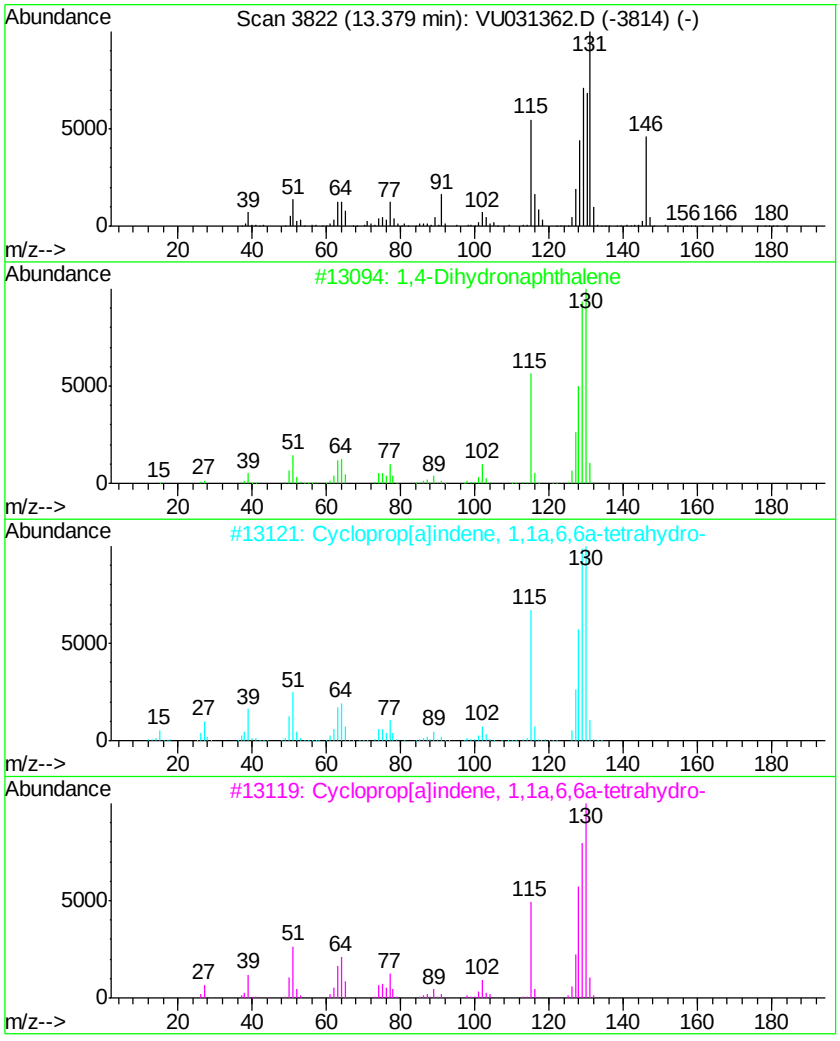
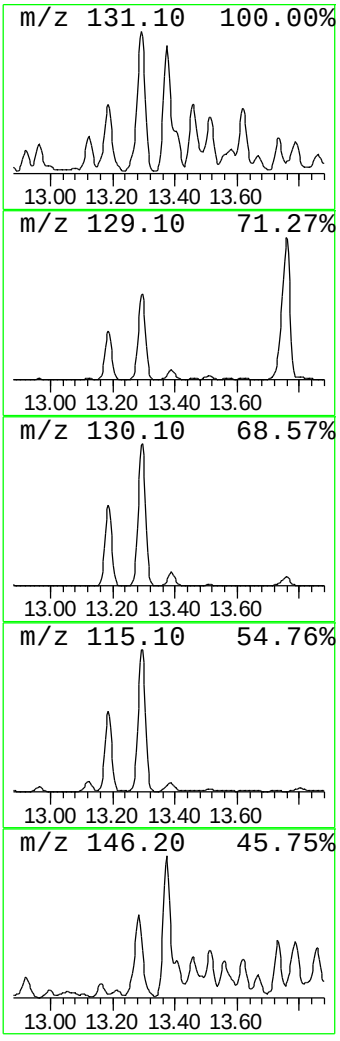
Peak Number 31 1,4-Dihydronaphthalene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.38 | 195.16 ug/L | 7507960 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 95 |
| 2 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |
| 3 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 87 |
| 4 | Tetracyclo[5.3.0.0<2,6>.0<3,10>]... | 130 | C10H10 | 034324-40-8 | 70 |
| 5 | 2a,4a,6a,6b-Tetrahydrocyclopenta... | 130 | C10H10 | 006053-74-3 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

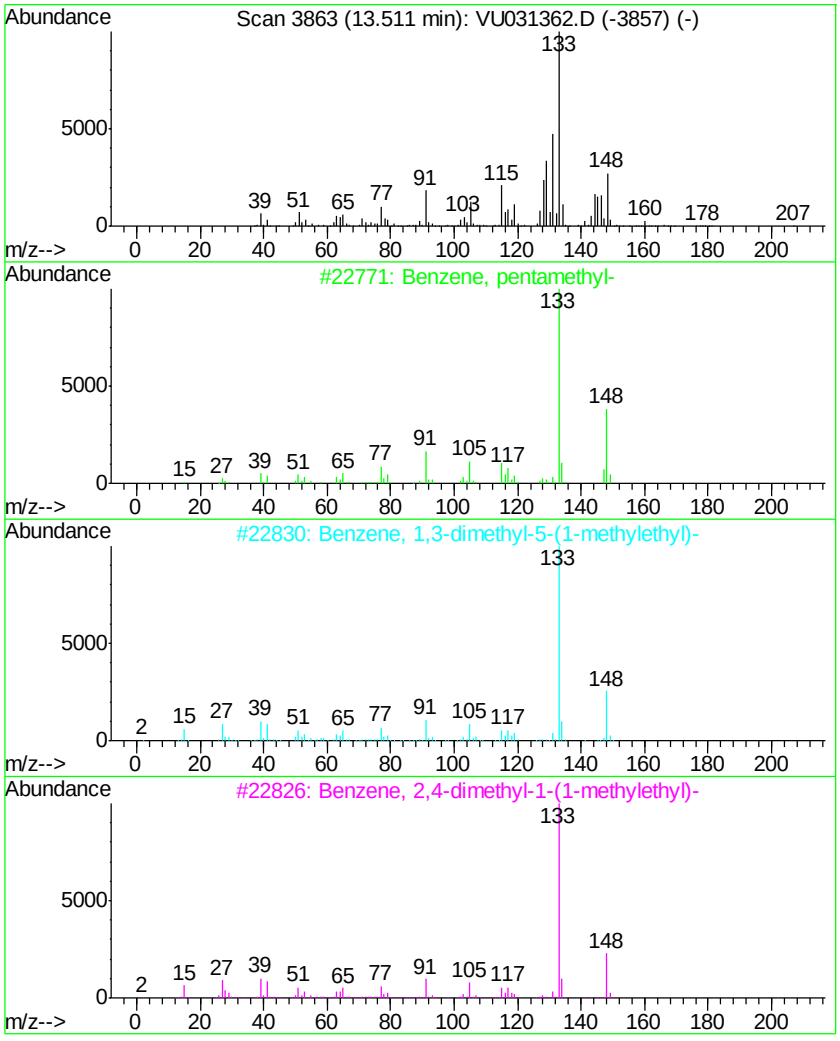
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

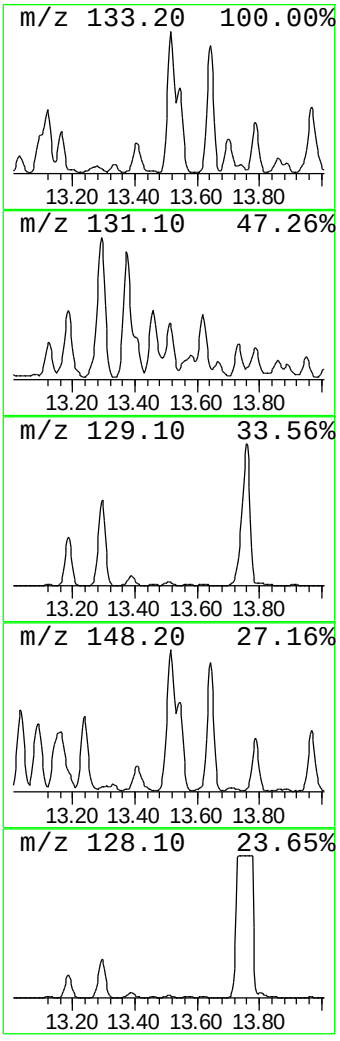
**********

Peak Number 32 Benzene, pentamethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.51 | 67.87 ug/L | 2611180 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 50 |
| 2 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 43 |
| 3 | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16 | 004706-89-2 | 43 |
| 4 | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16 | 004132-72-3 | 43 |
| 5 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 43 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

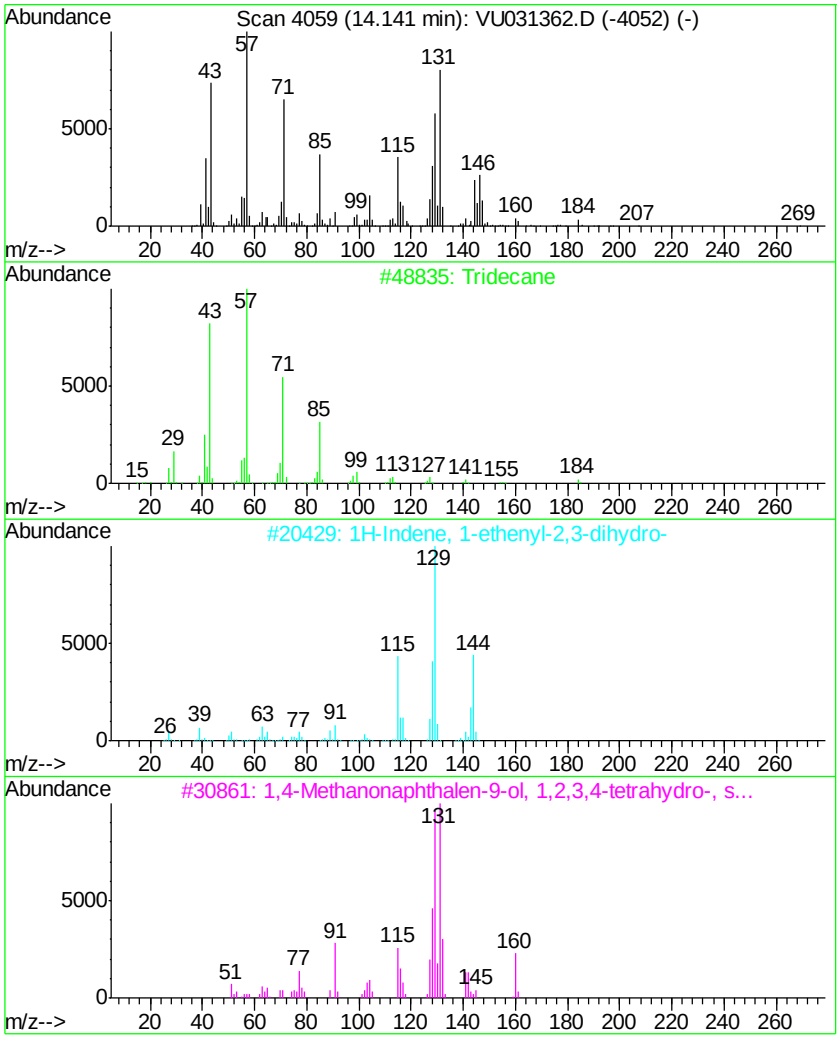
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

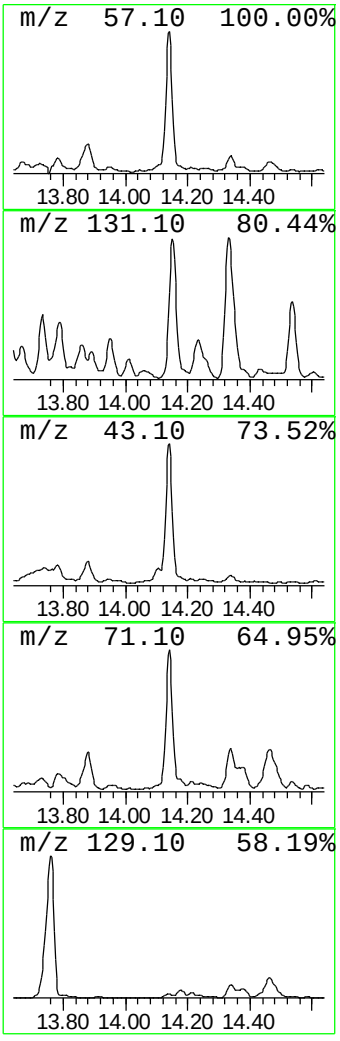
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 107.65 ug/L | 4141260 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 56 |
| 2 | 1H-Indene, 1-ethenyl-2,3-dihydro- | 144 | C11H12 | 051783-46-1 | 47 |
| 3 | 1,4-Methanonaphthalen-9-ol, 1,2,... | 160 | C11H12O | 001198-20-5 | 43 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 41 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

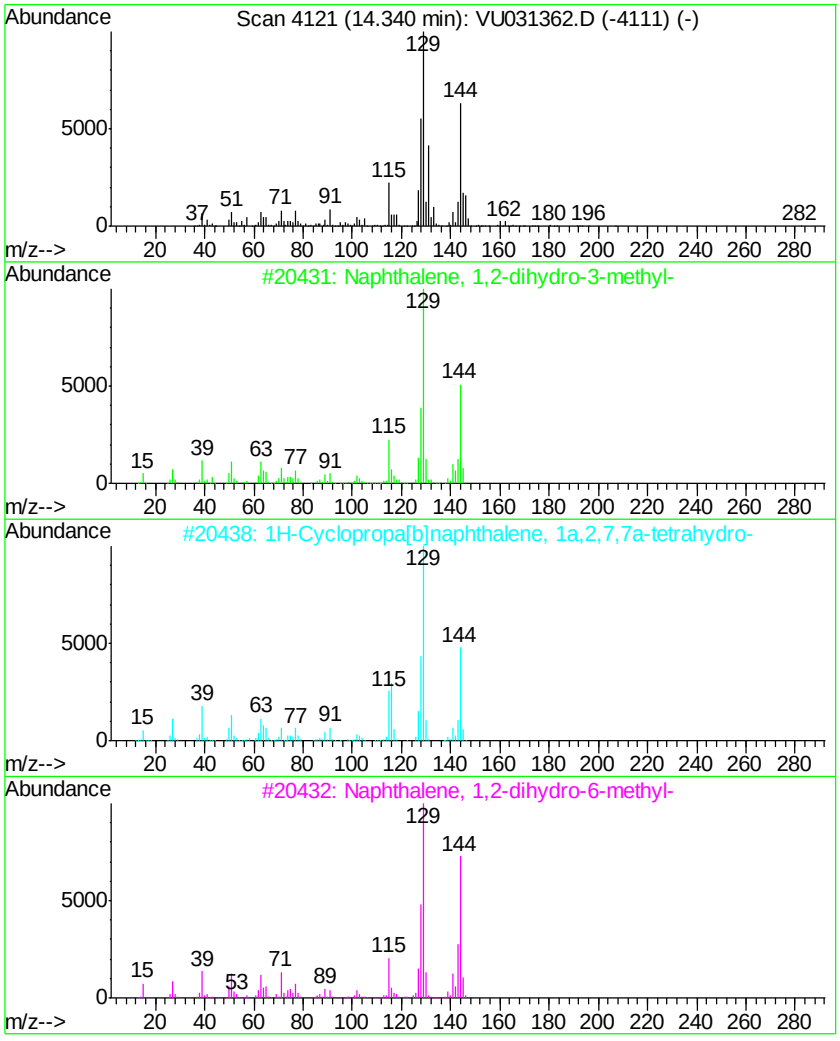
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

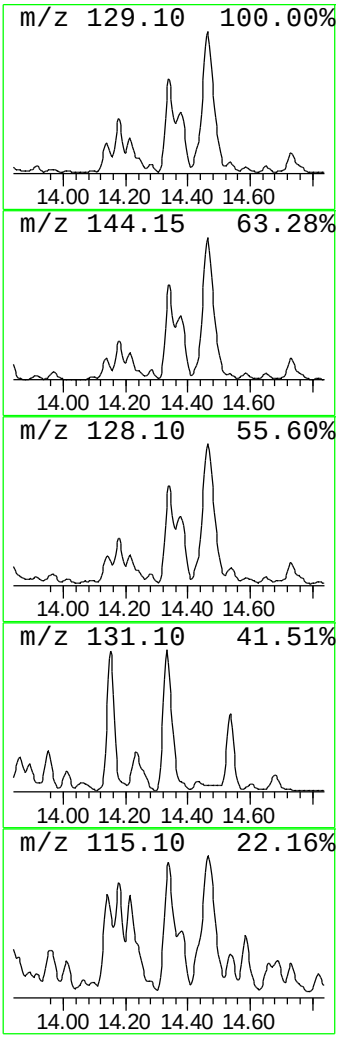
**********

Peak Number 35 Naphthalene, 1,2-dihydro-3-... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 206.17 ug/L | 7931530 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dihydro-3-methyl- | 144 | C11H12 | 002717-44-4 | 86 |
| 2 | 1H-Cyclopropa[b]naphthalene, 1a,... | 144 | C11H12 | 006571-72-8 | 81 |
| 3 | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12 | 002717-47-7 | 76 |
| 4 | 1H-Indene, 1,3-dimethyl- | 144 | C11H12 | 002177-48-2 | 76 |
| 5 | 1H-Indene, 4,7-dimethyl- | 144 | C11H12 | 006974-97-6 | 76 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

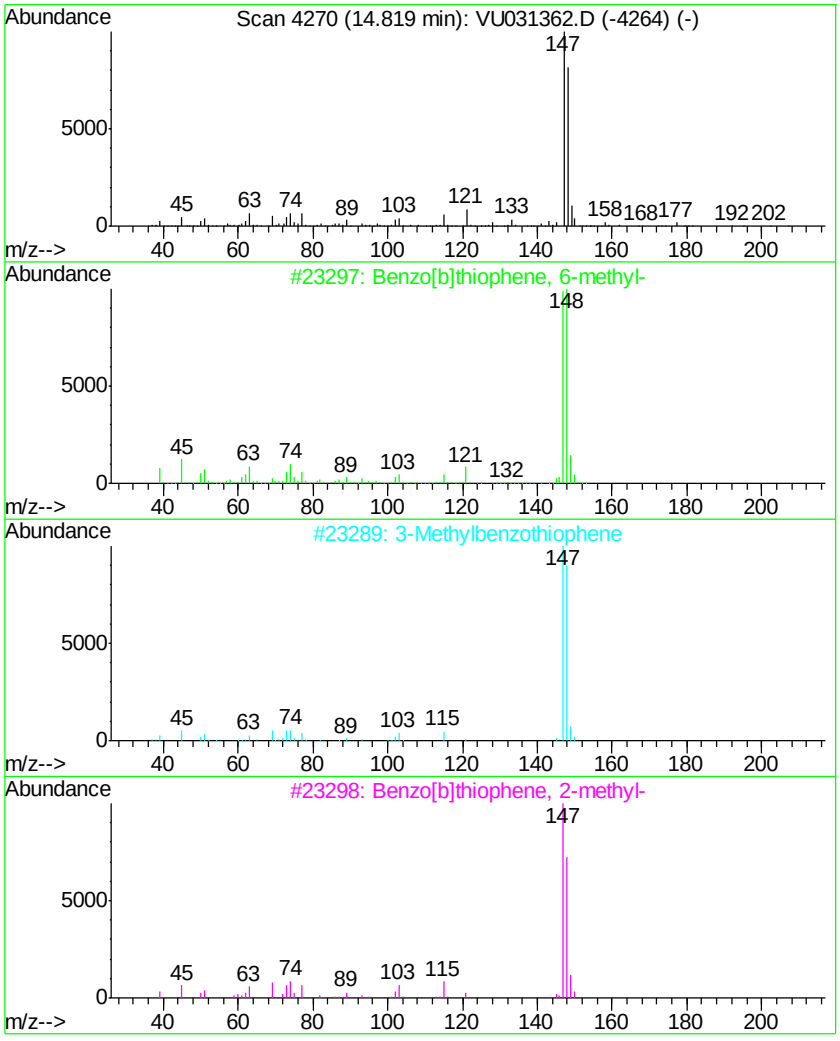
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

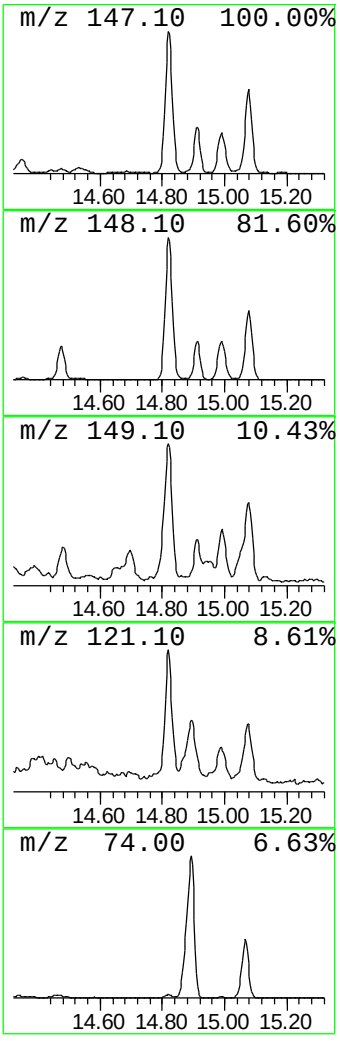
**********

Peak Number 36 Benzo[b]thiophene, 6-methyl- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 38.29 ug/L | 1473190 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 94 |
| 2 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 93 |
| 3 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 90 |
| 4 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 90 |
| 5 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

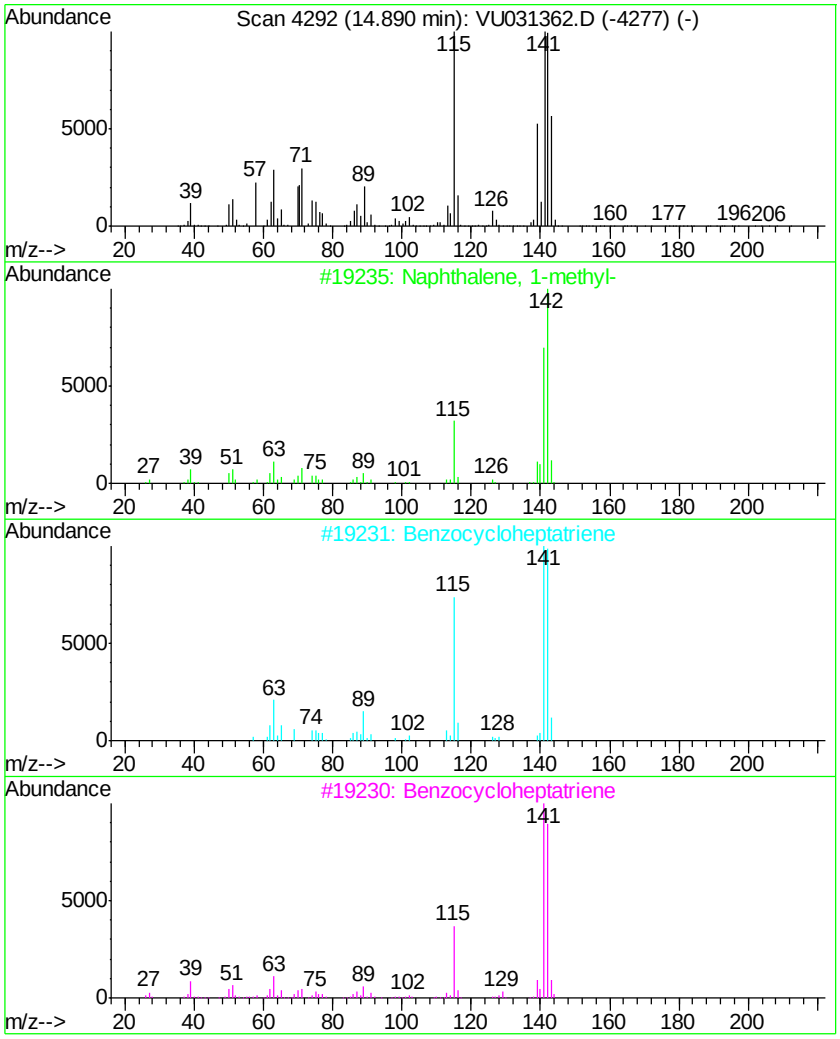
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

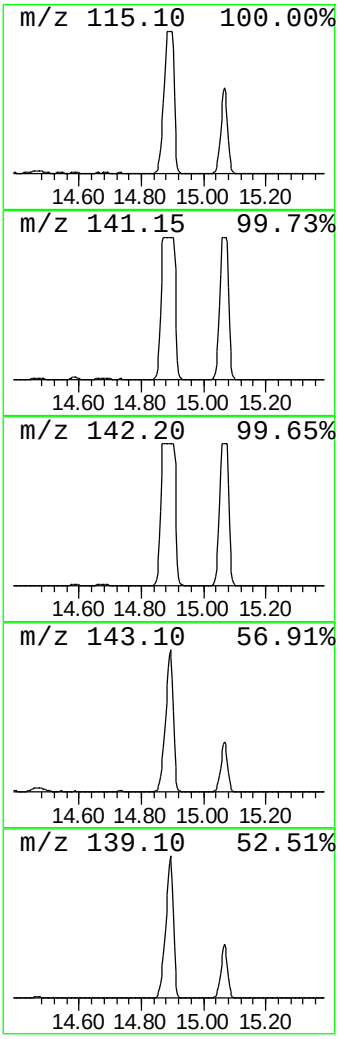
**********

Peak Number 37 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.89 | 4801.08 ug/L | 184700000 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 95 |
| 2 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 95 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 76 |
| 4 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 76 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

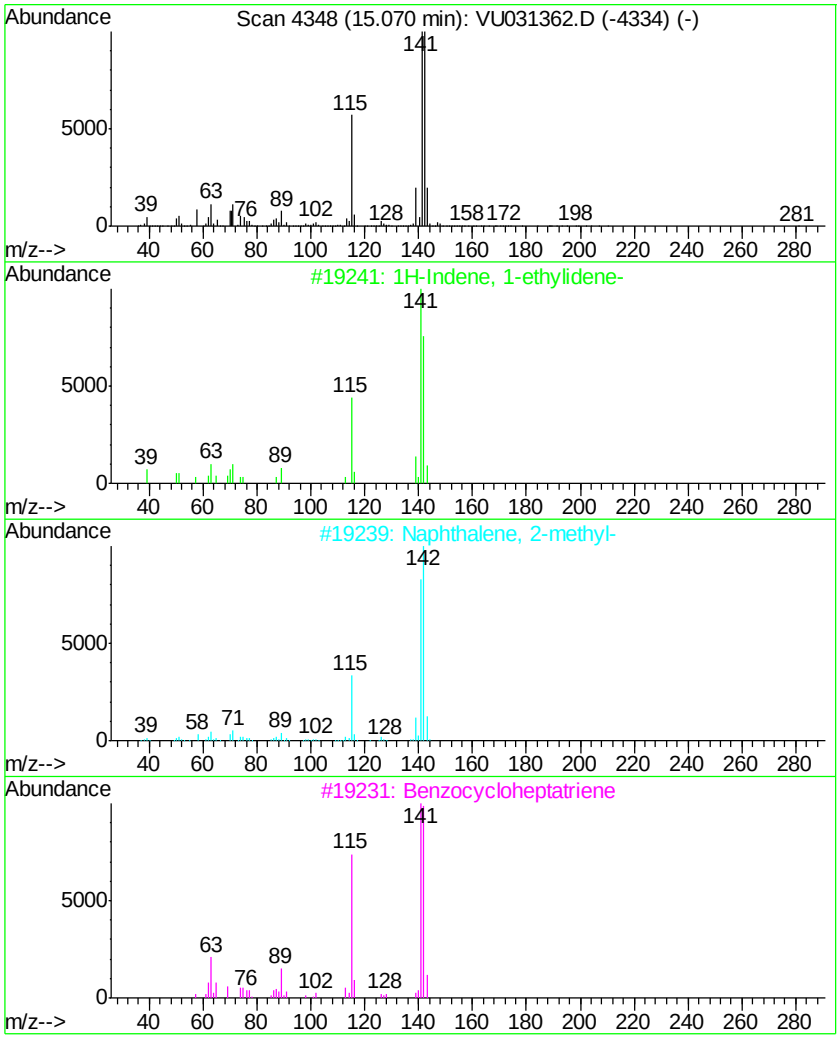
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

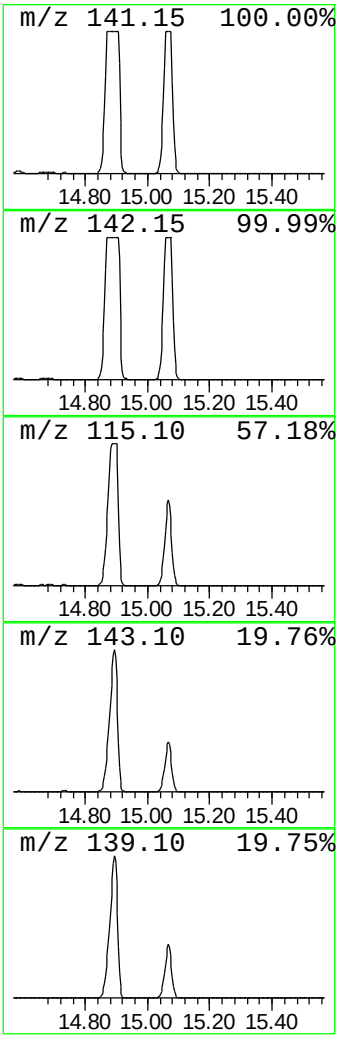
**********

Peak Number 38 1H-Indene, 1-ethylidene- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.07 | 1998.95 ug/L | 76900800 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 94 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 93 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 4 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 90 |
| 5 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

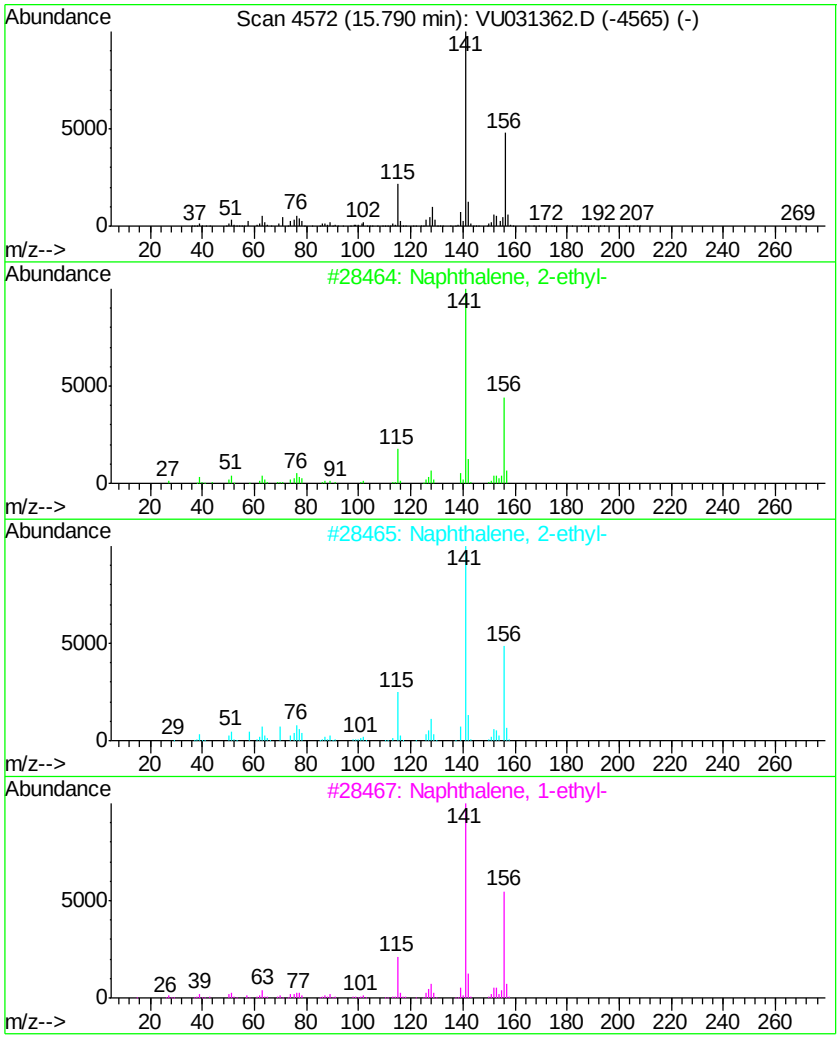
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

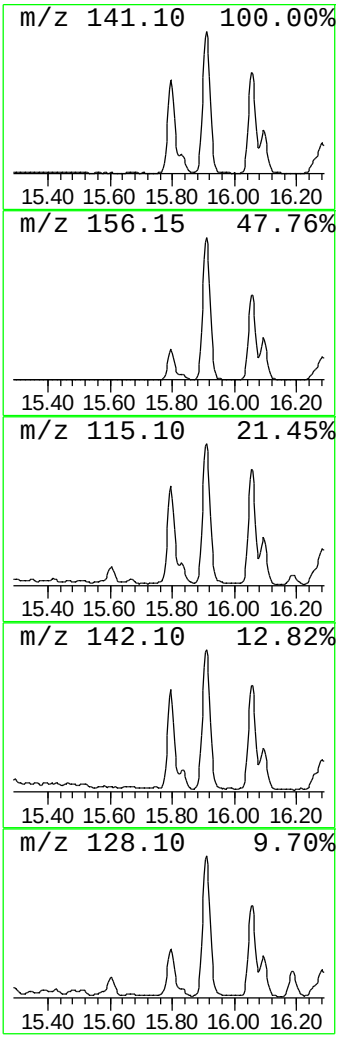
**********

Peak Number 40 Naphthalene, 2-ethyl- Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.79 | 44.28 ug/L | 1703540 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 96 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 96 |
| 3 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 96 |
| 4 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 96 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 95 |



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

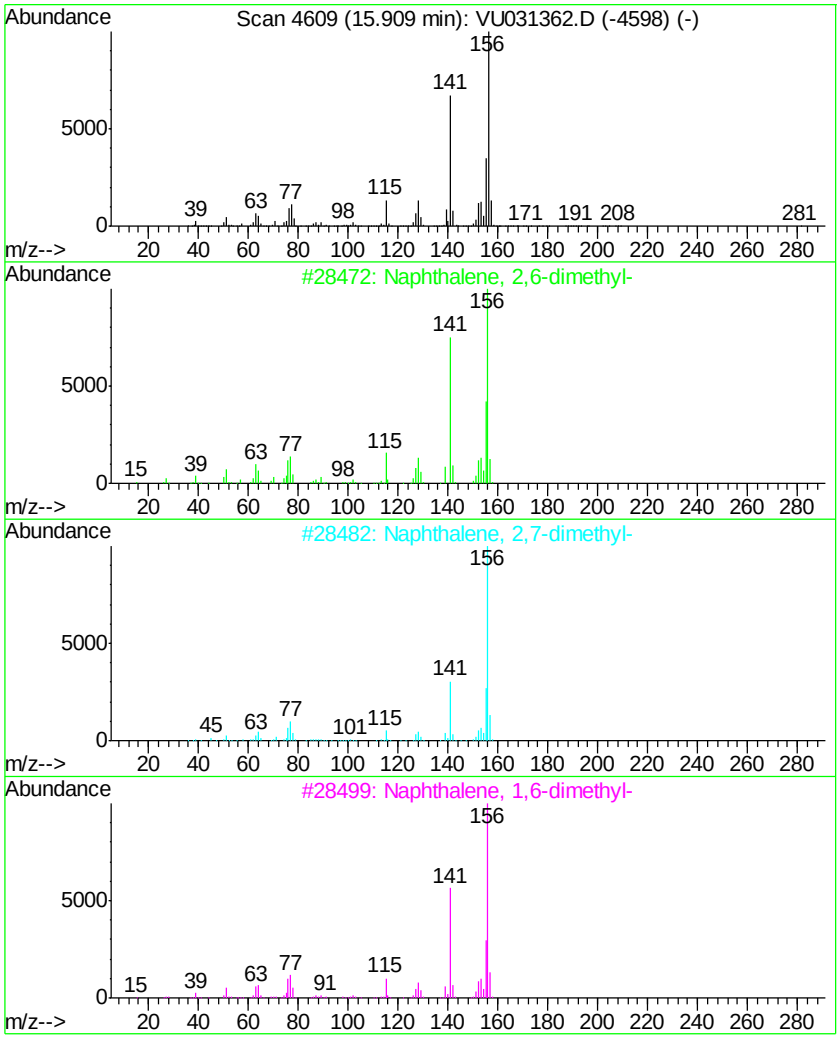
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

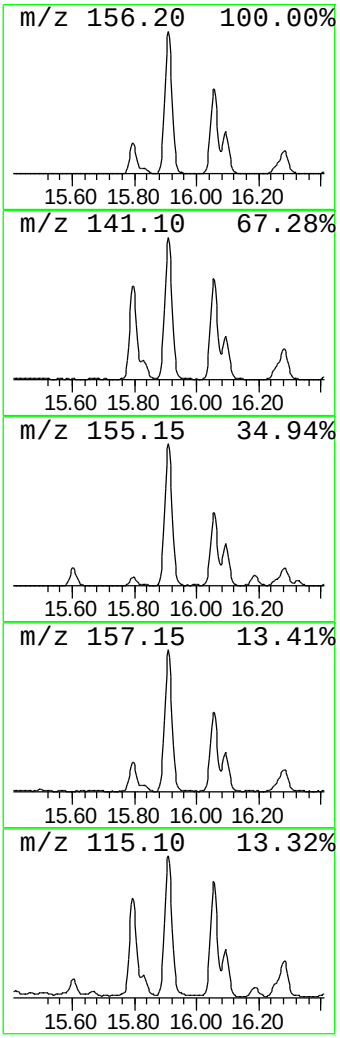
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 41 Naphthalene, 2,6-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.91 | 146.14 ug/L | 5621890 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 98 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042019\
Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHQ8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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... | 7.72 | 5.3 | ug/L | 186794 | 2 | 9.09 | 1755810 | 50.0 |
| (DEL) Alkane: Cyc... | 8.74 | 3.0 | ug/L | 104446 | 2 | 9.09 | 1755810 | 50.0 |
| Benzene, propyl- | 10.59 | 30.8 | ug/L | 1185470 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-ethyl-... | 10.68 | 215.2 | ug/L | 8278180 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1,2,3-tr... | 10.77 | 223.6 | ug/L | 8600720 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-etheny... | 11.22 | 636.0 | ug/L | 24469200 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-etheny... | 11.27 | 204.7 | ug/L | 7874600 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-etheny... | 11.63 | 104.4 | ug/L | 4014660 | 3 | 11.49 | 1923530 | 50.0 |
| Indane | 11.76 | 117.4 | ug/L | 4514760 | 3 | 11.49 | 1923530 | 50.0 |
| Indene | 11.98 | 539.8 | ug/L | 20764500 | 3 | 11.49 | 1923530 | 50.0 |
| (DEL) Alkane: Str... | 12.02 | 74.5 | ug/L | 2865190 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 2-ethyl-... | 12.15 | 76.5 | ug/L | 2942990 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-methyl... | 12.22 | 56.5 | ug/L | 2175340 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-etheny... | 12.30 | 123.5 | ug/L | 4749190 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-etheny... | 12.36 | 23.9 | ug/L | 920320 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, (2-methy... | 12.42 | 429.9 | ug/L | 16536700 | 3 | 11.49 | 1923530 | 50.0 |
| 2,4-Dimethylstyrene | 12.49 | 96.0 | ug/L | 3693880 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1,2,3,5-... | 12.65 | 138.4 | ug/L | 5324060 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1,2,4,5-... | 12.70 | 394.6 | ug/L | 15180800 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1-methyl... | 12.82 | 231.4 | ug/L | 8900530 | 3 | 11.49 | 1923530 | 50.0 |
| 2-Methyl-7-endo-v... | 13.03 | 26.7 | ug/L | 1025700 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, 1,3-diet... | 13.09 | 34.5 | ug/L | 1326810 | 3 | 11.49 | 1923530 | 50.0 |
| o-Cymene | 13.12 | 449.4 | ug/L | 17287100 | 3 | 11.49 | 1923530 | 50.0 |
| 2-Methylindene | 13.19 | 605.1 | ug/L | 23277400 | 3 | 11.49 | 1923530 | 50.0 |
| 1,4-Dihydronaphth... | 13.38 | 195.2 | ug/L | 7507960 | 3 | 11.49 | 1923530 | 50.0 |
| Benzene, pentamet... | 13.51 | 67.9 | ug/L | 2611180 | 3 | 11.49 | 1923530 | 50.0 |
| (DEL) Alkane: Str... | 14.14 | 107.7 | ug/L | 4141260 | 3 | 11.49 | 1923530 | 50.0 |
| Naphthalene, 1,2-... | 14.34 | 206.2 | ug/L | 7931530 | 3 | 11.49 | 1923530 | 50.0 |
| Benzo[b]thiophene... | 14.82 | 38.3 | ug/L | 1473190 | 3 | 11.49 | 1923530 | 50.0 |
| Naphthalene, 1-me... | 14.89 | 4801.1 | ug/L | 184700000 | 3 | 11.49 | 1923530 | 50.0 |
| 1H-Indene, 1-ethy... | 15.07 | 1999.0 | ug/L | 76900800 | 3 | 11.49 | 1923530 | 50.0 |
| Naphthalene, 2-et... | 15.79 | 44.3 | ug/L | 1703540 | 3 | 11.49 | 1923530 | 50.0 |
| Naphthalene, 2,6-... | 15.91 | 146.1 | ug/L | 5621890 | 3 | 11.49 | 1923530 | 50.0 |