LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N050819W.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.555 | 1153 | 1176 | 1197 | rBV2 | 52968 | 168667 | 1.22% | 0.088% |
| 2 | 6.619 | 1489 | 1507 | 1531 | rVB4 | 77671 | 243538 | 1.77% | 0.126% |
| 3 | 7.590 | 1788 | 1809 | 1818 | rBV | 514010 | 1327739 | 9.64% | 0.689% |
| 4 | 7.661 | 1820 | 1831 | 1847 | rVB | 1001436 | 2476933 | 17.99% | 1.286% |
| 5 | 7.870 | 1882 | 1896 | 1909 | rBV2 | 138347 | 328696 | 2.39% | 0.171% |
| 6 | 8.024 | 1927 | 1944 | 1967 | rBV2 | 603053 | 1421221 | 10.32% | 0.738% |
| 7 | 8.153 | 1969 | 1984 | 1996 | rBV4 | 80348 | 198197 | 1.44% | 0.103% |
| 8 | 8.227 | 1996 | 2007 | 2017 | rBV7 | 66004 | 152164 | 1.11% | 0.079% |
| 9 | 8.297 | 2019 | 2029 | 2045 | rVB3 | 115005 | 278390 | 2.02% | 0.144% |
| 10 | 8.432 | 2056 | 2071 | 2102 | rVB | 248621 | 597282 | 4.34% | 0.310% |
| 11 | 8.584 | 2102 | 2118 | 2159 | rVB | 1453673 | 3231133 | 23.46% | 1.677% |
| 12 | 9.079 | 2244 | 2272 | 2285 | rBV | 991601 | 2376569 | 17.26% | 1.233% |
| 13 | 9.268 | 2319 | 2331 | 2343 | rVB2 | 135223 | 273224 | 1.98% | 0.142% |
| 14 | 9.362 | 2343 | 2360 | 2374 | rVB2 | 131573 | 291078 | 2.11% | 0.151% |
| 15 | 9.509 | 2395 | 2406 | 2419 | rVB4 | 203814 | 400789 | 2.91% | 0.208% |
| 16 | 9.664 | 2446 | 2454 | 2461 | rVV4 | 86172 | 152211 | 1.11% | 0.079% |
| 17 | 9.725 | 2461 | 2473 | 2497 | rVB2 | 635306 | 1563918 | 11.36% | 0.812% |
| 18 | 9.863 | 2497 | 2516 | 2537 | rBV4 | 374471 | 1046256 | 7.60% | 0.543% |
| 19 | 9.969 | 2538 | 2549 | 2570 | rBV4 | 108061 | 329170 | 2.39% | 0.171% |
| 20 | 10.088 | 2571 | 2586 | 2616 | rBV2 | 2849995 | 6336391 | 46.01% | 3.289% |
| 21 | 10.214 | 2617 | 2625 | 2629 | rBV3 | 111429 | 171719 | 1.25% | 0.089% |
| 22 | 10.278 | 2630 | 2645 | 2658 | rVB8 | 597622 | 1612345 | 11.71% | 0.837% |
| 23 | 10.349 | 2658 | 2667 | 2673 | rBV4 | 110850 | 192607 | 1.40% | 0.100% |
| 24 | 10.432 | 2684 | 2693 | 2708 | rVB2 | 514920 | 961800 | 6.98% | 0.499% |
| 25 | 10.522 | 2709 | 2721 | 2734 | rBV7 | 464457 | 1077506 | 7.82% | 0.559% |
| 26 | 10.622 | 2745 | 2752 | 2761 | rVB4 | 225967 | 368805 | 2.68% | 0.191% |
| 27 | 10.715 | 2771 | 2781 | 2791 | rBV | 711353 | 1117625 | 8.12% | 0.580% |
| 28 | 10.821 | 2808 | 2814 | 2824 | rVB2 | 261544 | 455143 | 3.31% | 0.236% |
| 29 | 10.879 | 2825 | 2832 | 2838 | rBV3 | 294383 | 459044 | 3.33% | 0.238% |
| 30 | 10.950 | 2847 | 2854 | 2861 | rVB | 831002 | 1148468 | 8.34% | 0.596% |
| 31 | 11.005 | 2861 | 2871 | 2881 | rVB | 2478808 | 4238553 | 30.78% | 2.200% |
| 32 | 11.059 | 2881 | 2888 | 2896 | rVB2 | 375128 | 520558 | 3.78% | 0.270% |
| 33 | 11.120 | 2896 | 2907 | 2916 | rVB5 | 755885 | 1396591 | 10.14% | 0.725% |
| 34 | 11.201 | 2916 | 2932 | 2953 | rBV7 | 1546715 | 4369123 | 31.73% | 2.268% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N050819W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.297 | 2953 | 2962 | 2984 | rVB | 1675643 | 3283718 | 23.85% | 1.704% |
| 36 | 11.407 | 2986 | 2996 | 3016 | rBV | 1921404 | 3658798 | 26.57% | 1.899% |
| 37 | 11.509 | 3018 | 3028 | 3035 | rBV2 | 891528 | 1758508 | 12.77% | 0.913% |
| 38 | 11.593 | 3044 | 3054 | 3062 | rBV5 | 858672 | 1710515 | 12.42% | 0.888% |
| 39 | 11.654 | 3063 | 3073 | 3081 | rBV5 | 1032499 | 2143233 | 15.56% | 1.112% |
| 40 | 11.754 | 3095 | 3104 | 3112 | rBV7 | 349917 | 648555 | 4.71% | 0.337% |
| 41 | 11.808 | 3113 | 3121 | 3128 | rBV4 | 526709 | 868129 | 6.30% | 0.451% |
| 42 | 11.853 | 3130 | 3135 | 3142 | rVV7 | 210102 | 287088 | 2.08% | 0.149% |
| 43 | 11.918 | 3143 | 3155 | 3168 | rBV7 | 1282405 | 3074410 | 22.33% | 1.596% |
| 44 | 12.043 | 3187 | 3194 | 3201 | rVB | 1447854 | 1886644 | 13.70% | 0.979% |
| 45 | 12.117 | 3209 | 3217 | 3223 | rBV2 | 1344310 | 2230304 | 16.20% | 1.158% |
| 46 | 12.159 | 3224 | 3230 | 3241 | rVB5 | 1858538 | 3222595 | 23.40% | 1.673% |
| 47 | 12.400 | 3298 | 3305 | 3312 | rBV | 1522046 | 2267990 | 16.47% | 1.177% |
| 48 | 12.442 | 3313 | 3318 | 3327 | rVB4 | 837961 | 1155032 | 8.39% | 0.599% |
| 49 | 12.561 | 3346 | 3355 | 3361 | rBV2 | 2484134 | 4310030 | 31.30% | 2.237% |
| 50 | 12.725 | 3393 | 3406 | 3416 | rBV7 | 1979499 | 5108111 | 37.10% | 2.651% |
| 51 | 12.863 | 3442 | 3449 | 3456 | rBV7 | 850364 | 1336277 | 9.70% | 0.694% |
| 52 | 12.960 | 3473 | 3479 | 3496 | rVB5 | 1640933 | 3158480 | 22.94% | 1.639% |
| 53 | 13.342 | 3593 | 3598 | 3612 | rVB | 2102934 | 3493451 | 25.37% | 1.813% |
| 54 | 13.593 | 3668 | 3676 | 3688 | rBV3 | 1721148 | 4164666 | 30.24% | 2.162% |
| 55 | 13.664 | 3689 | 3698 | 3708 | rVB5 | 2280955 | 4375366 | 31.77% | 2.271% |
| 56 | 13.738 | 3715 | 3721 | 3733 | rVB | 1840304 | 2650462 | 19.25% | 1.376% |
| 57 | 13.886 | 3760 | 3767 | 3777 | rVB | 2119085 | 3355740 | 24.37% | 1.742% |
| 58 | 13.992 | 3791 | 3800 | 3810 | rVB | 5491541 | 9140904 | 66.38% | 4.744% |
| 59 | 14.172 | 3849 | 3856 | 3860 | rBV5 | 1265218 | 2021827 | 14.68% | 1.049% |
| 60 | 14.207 | 3863 | 3867 | 3874 | rVV | 2791589 | 4143354 | 30.09% | 2.150% |
| 61 | 14.246 | 3874 | 3879 | 3887 | rVB | 2906149 | 3880035 | 28.18% | 2.014% |
| 62 | 14.294 | 3887 | 3894 | 3899 | rBV2 | 2339436 | 3092832 | 22.46% | 1.605% |
| 63 | 14.329 | 3900 | 3905 | 3913 | rVB3 | 1824421 | 2309015 | 16.77% | 1.198% |
| 64 | 14.493 | 3944 | 3956 | 3959 | rBV6 | 1739829 | 3586711 | 26.05% | 1.862% |
| 65 | 14.522 | 3961 | 3965 | 3973 | rVB | 2950250 | 3821038 | 27.75% | 1.983% |
| 66 | 14.593 | 3974 | 3987 | 3997 | rBV5 | 5830029 | 13657968 | 99.18% | 7.089% |
| 67 | 14.648 | 3999 | 4004 | 4014 | rVB4 | 1439013 | 2353282 | 17.09% | 1.221% |
| 68 | 14.850 | 4060 | 4067 | 4072 | rBV6 | 2769637 | 4019596 | 29.19% | 2.086% |
| 69 | 14.956 | 4091 | 4100 | 4114 | rVB2 | 5202313 | 10722046 | 77.86% | 5.565% |
| 70 | 15.239 | 4179 | 4188 | 4196 | rBV2 | 2941146 | 5192887 | 37.71% | 2.695% |
| 71 | 15.413 | 4232 | 4242 | 4256 | rBV6 | 2395084 | 5634677 | 40.92% | 2.924% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N050819W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.905 | 4386 | 4395 | 4406 | rBV5 | 2069363 | 3894592 | 28.28% | 2.021% |
| 73 | 16.348 | 4521 | 4533 | 4557 | rVB2 | 5989525 | 13770288 | 100.00% | 7.147% |

Sum of corrected areas: 192672607

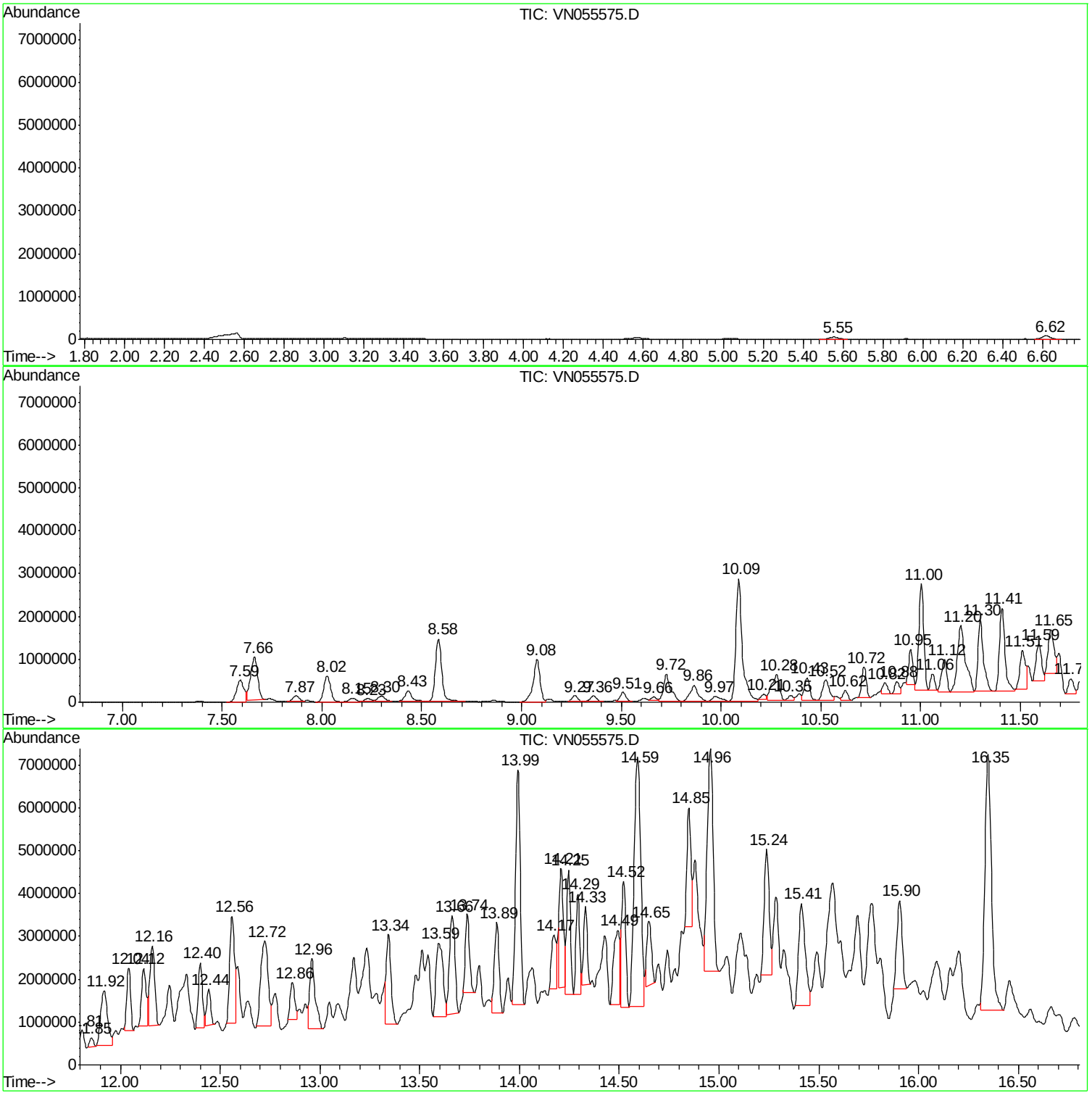
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

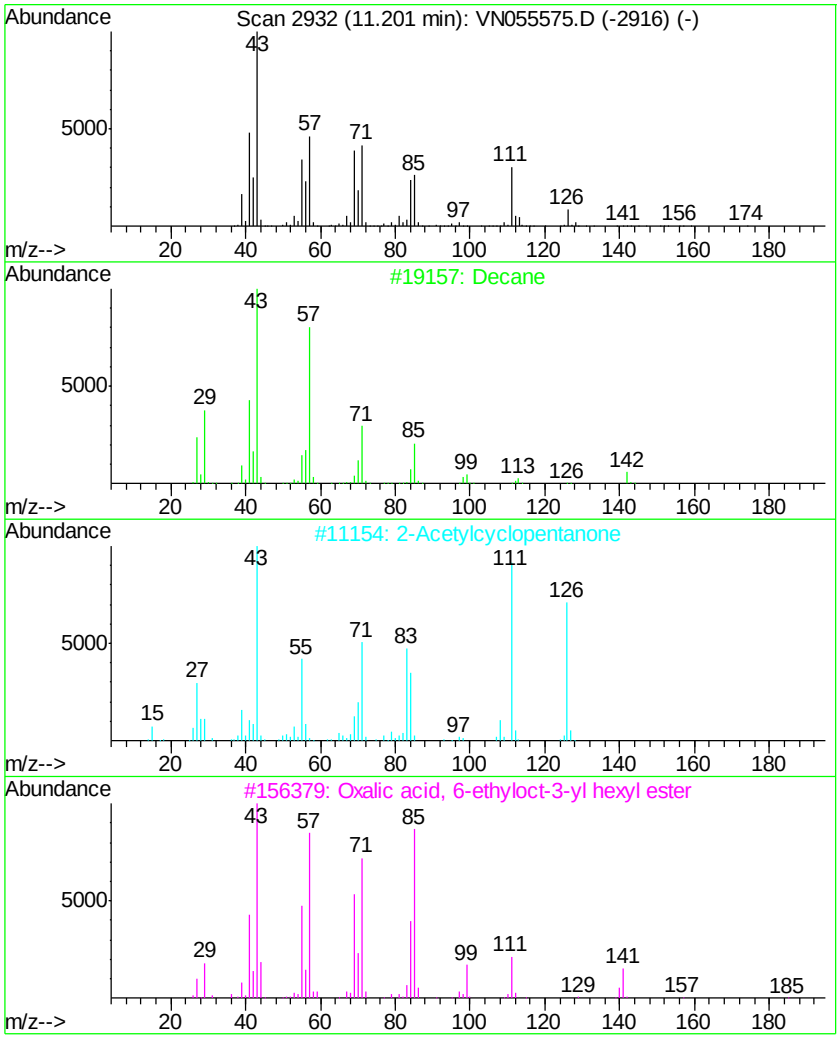
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

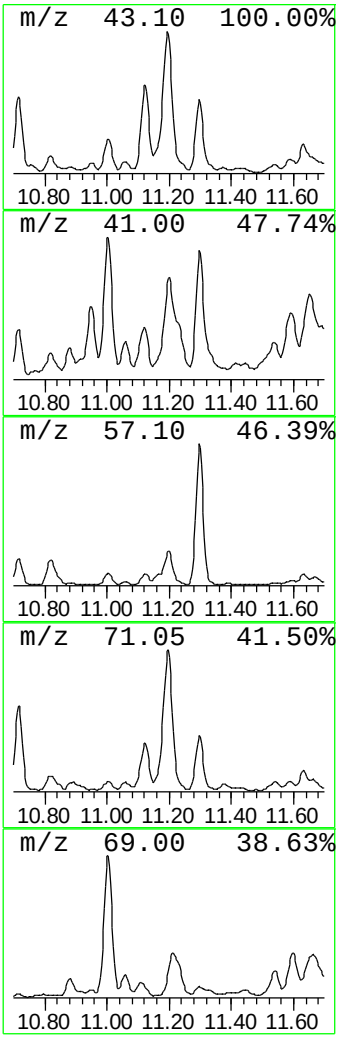
**********

Peak Number 1 Decane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.20 | 59.71 ug/l | 4369120 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane | 142 | C10H22 | 000124-18-5 | 50 |
| 2 | 2-Acetylcyclopentanone | 126 | C7H10O2 | 001670-46-8 | 49 |
| 3 | Oxalic acid, 6-ethyloct-3-yl hex... | 314 | C18H34O4 | 1000309-34-4 | 47 |
| 4 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 47 |
| 5 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

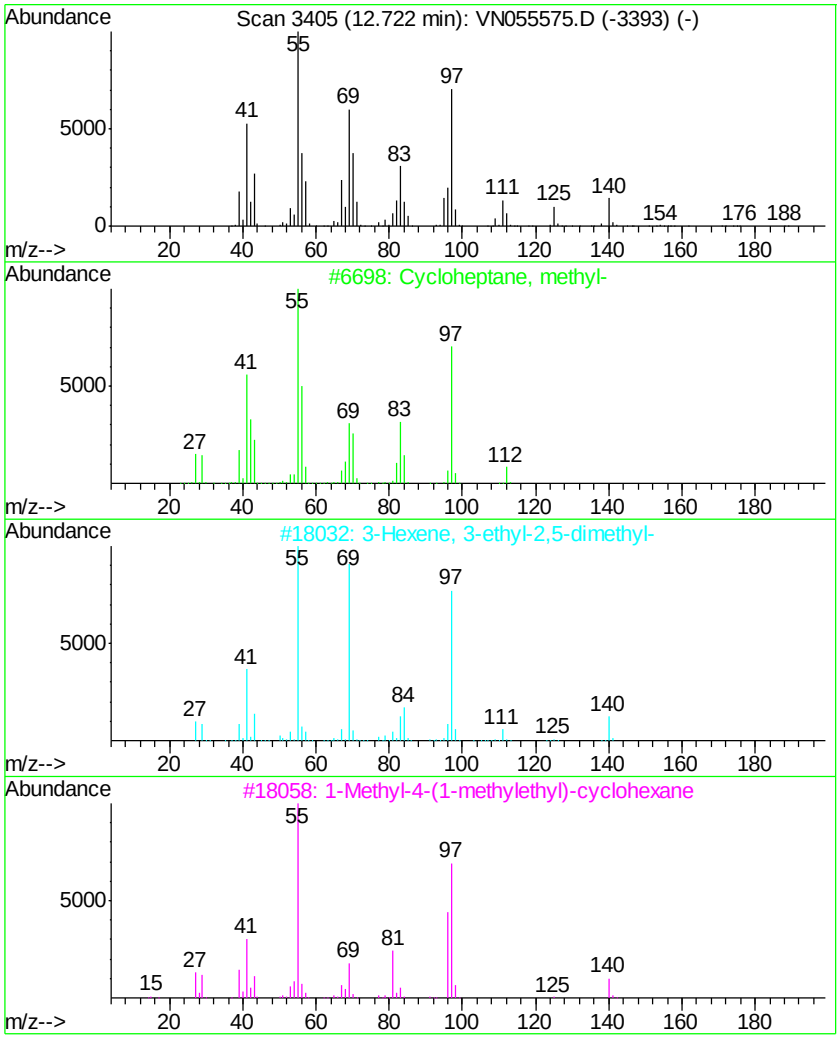
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

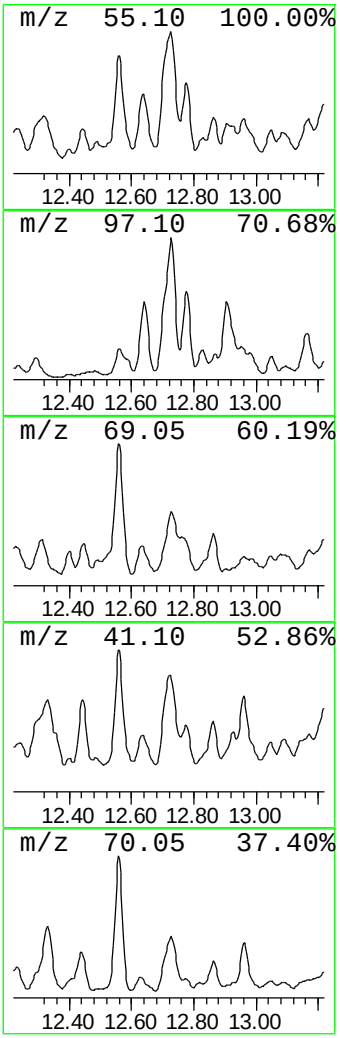
**********

Peak Number 2 Cycloheptane, methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 73.11 ug/l | 5108110 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 53 |
| 2 | 3-Hexene, 3-ethyl-2,5-dimethyl- | 140 | C10H20 | 062338-08-3 | 46 |
| 3 | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20 | 000099-82-1 | 38 |
| 4 | Cyclodecane | 140 | C10H20 | 000293-96-9 | 38 |
| 5 | Cyclodecane, methyl- | 154 | C11H22 | 013151-43-4 | 35 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

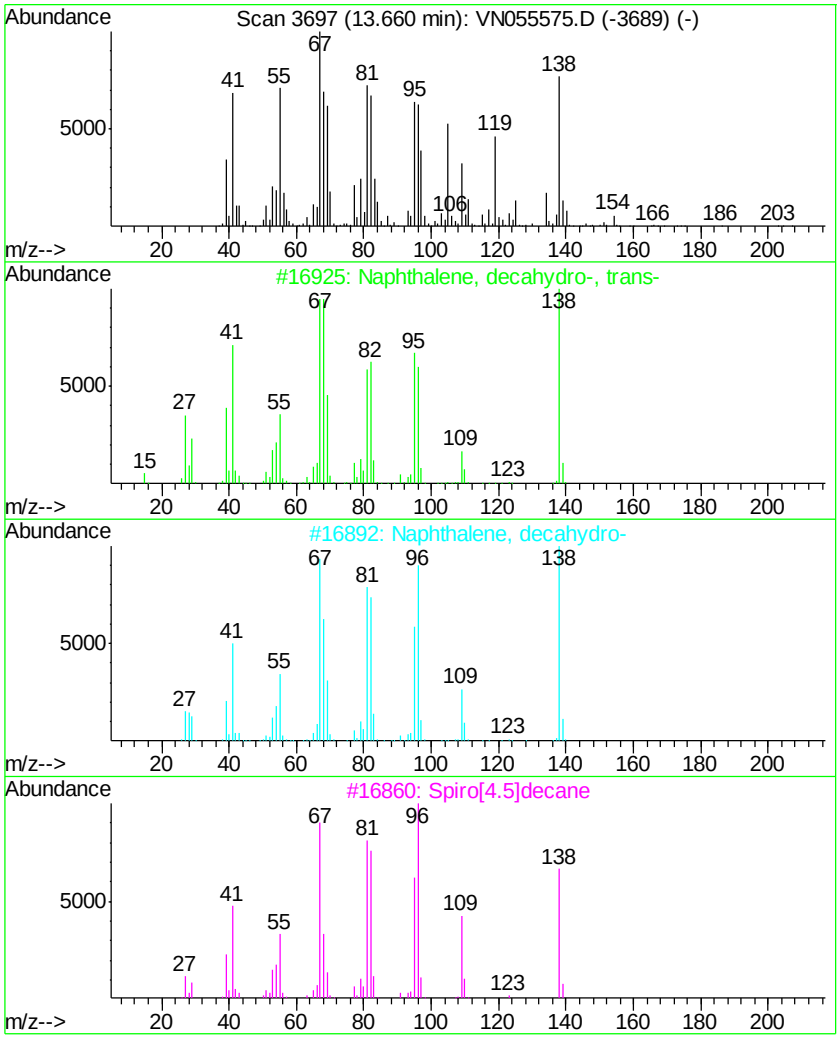
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

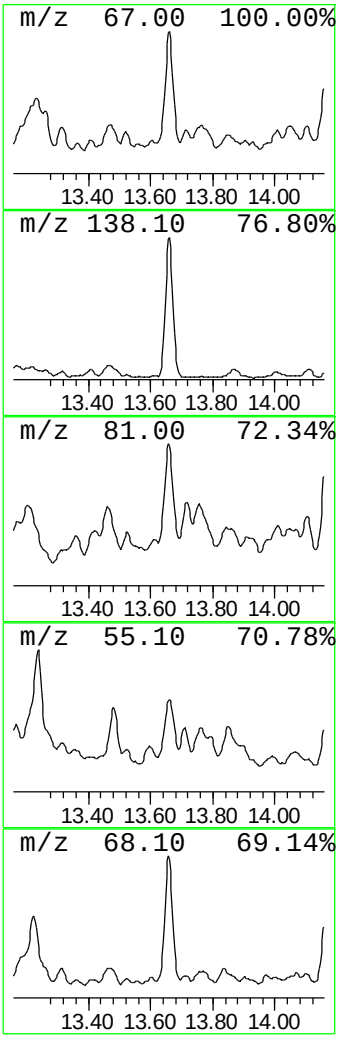
**********

Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.66 | 62.62 ug/l | 4375370 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 95 |
| 2 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 70 |
| 3 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 70 |
| 4 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 64 |
| 5 | 3-Cyclohexen-1-one, 3,5,5-trimet... | 138 | C9H14O | 000471-01-2 | 53 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

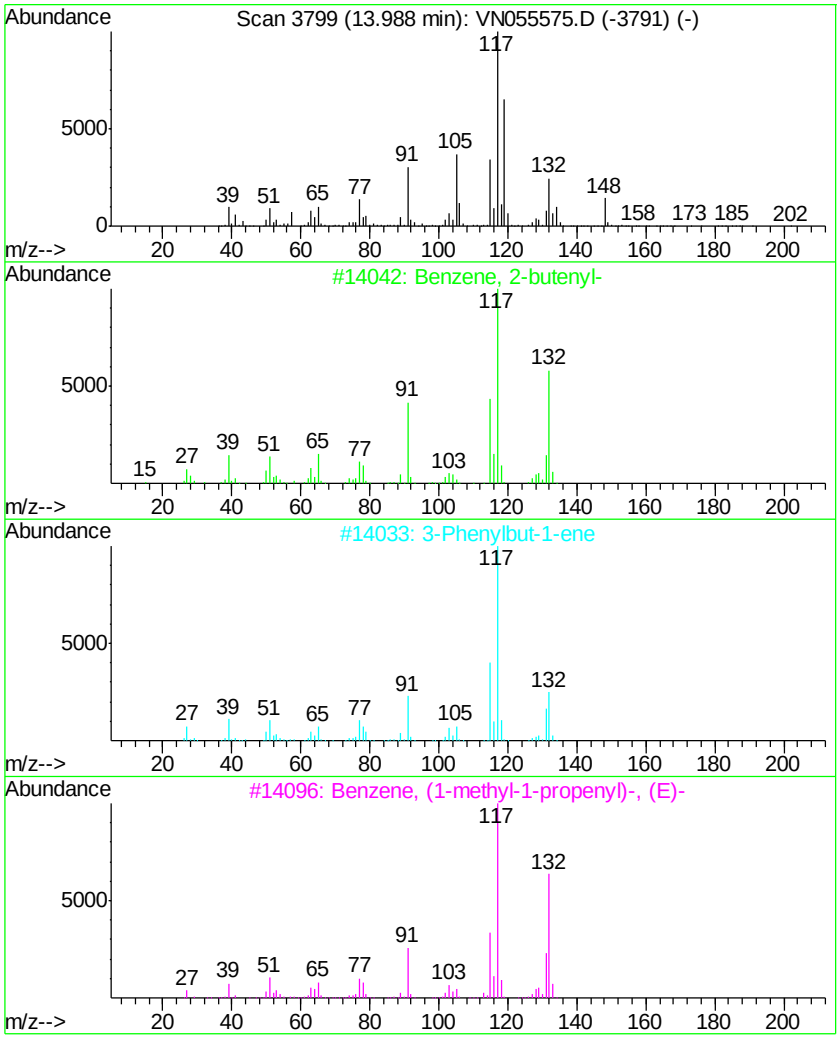
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

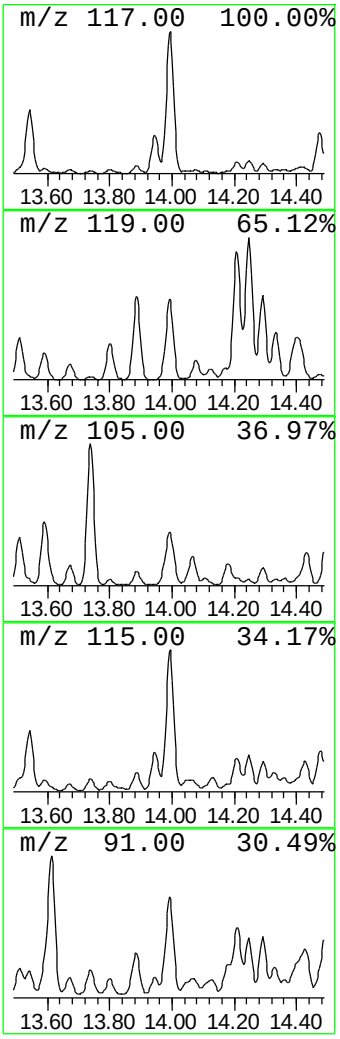
**********

Peak Number 4 Benzene, 2-butenyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.99 | 130.83 ug/l | 9140900 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 83 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 78 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 64 |
| 5 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 60 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

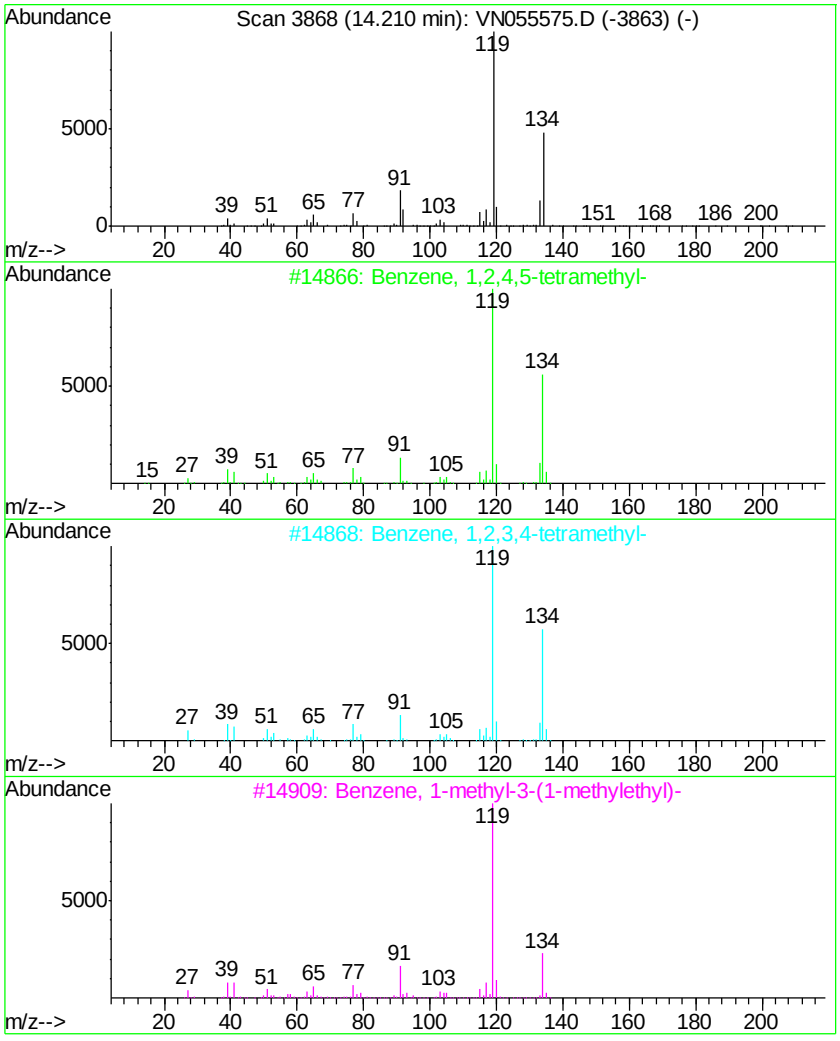
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

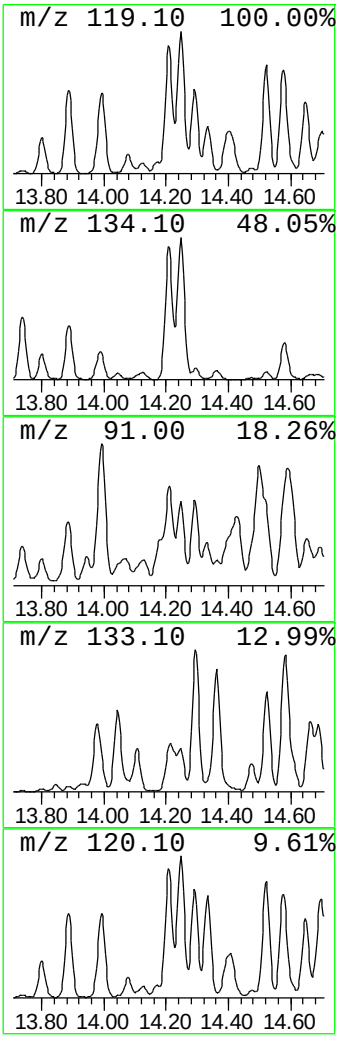
**********

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.21 | 59.30 ug/l | 4143350 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

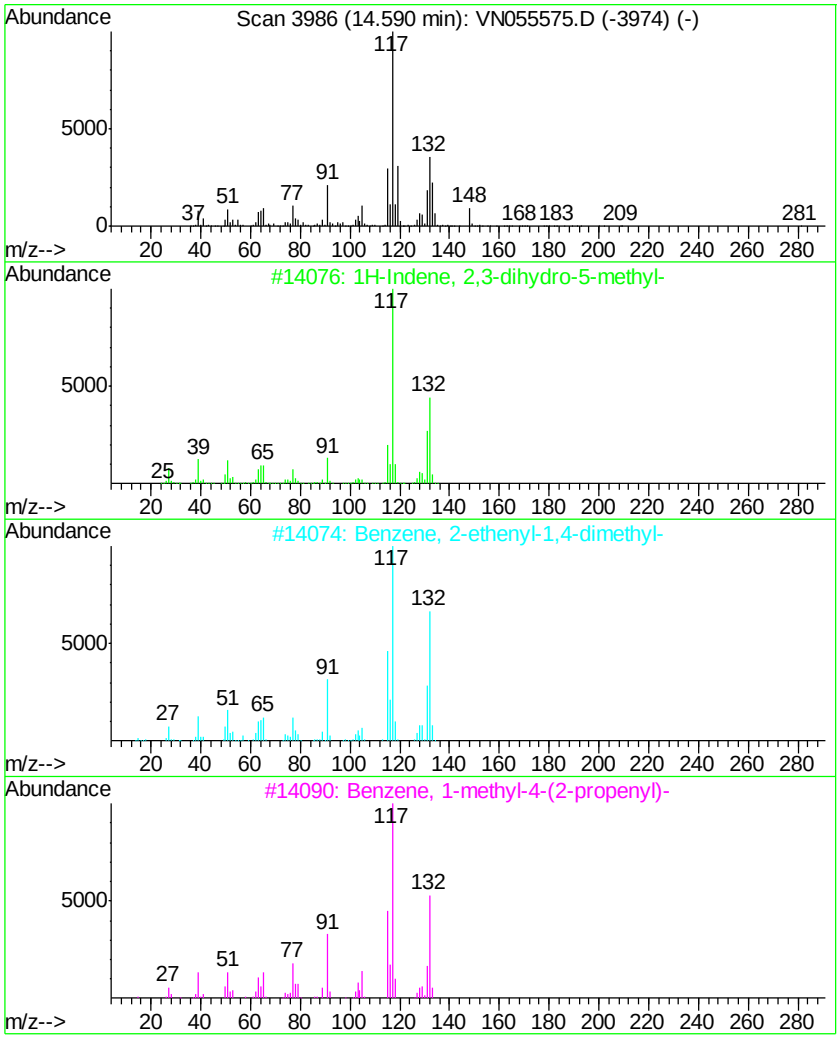
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

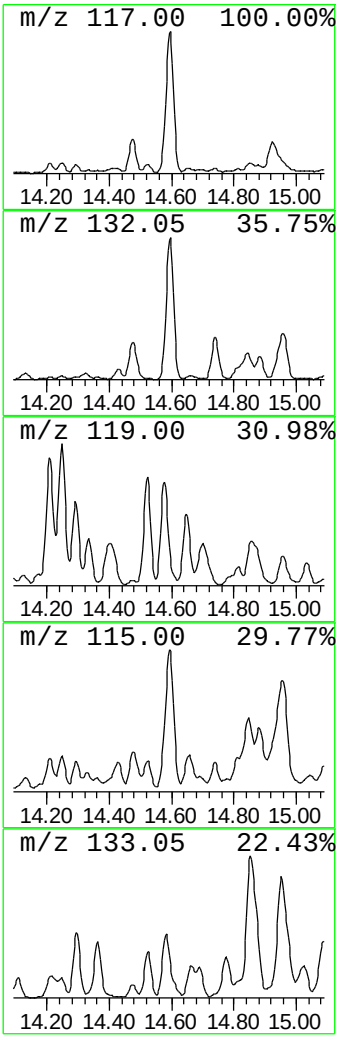
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.59 | 195.48 ug/l | 13658000 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 3 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 87 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 81 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

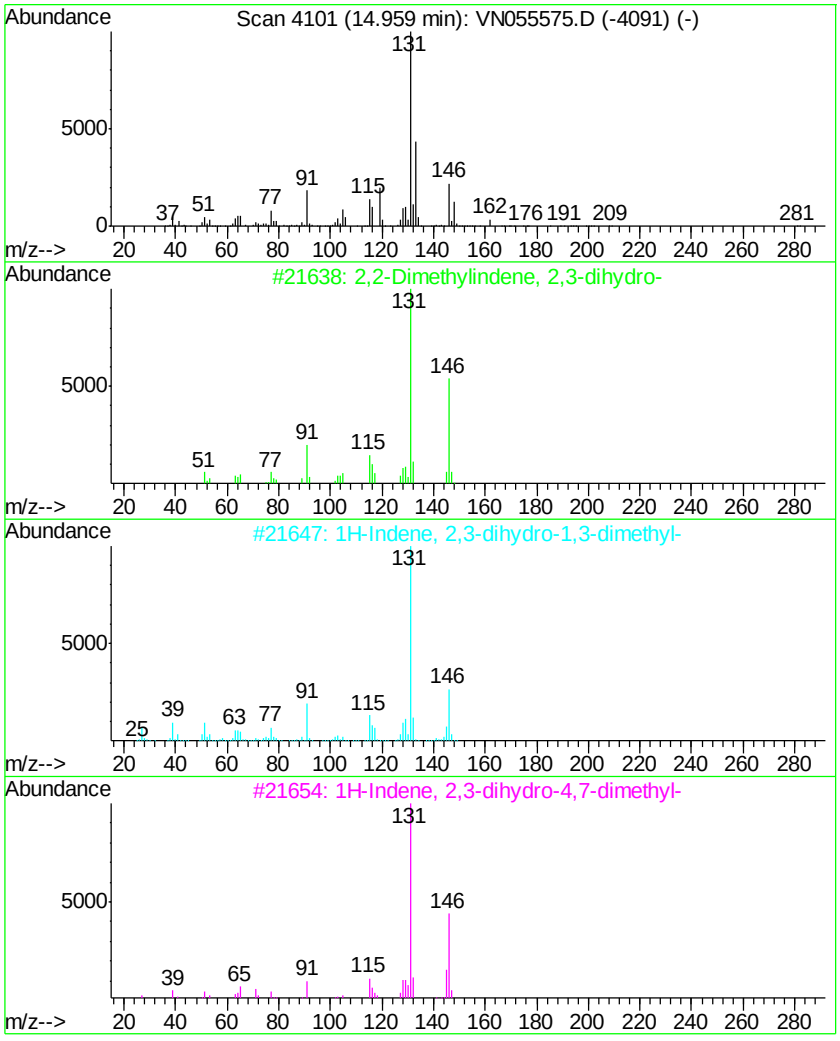
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

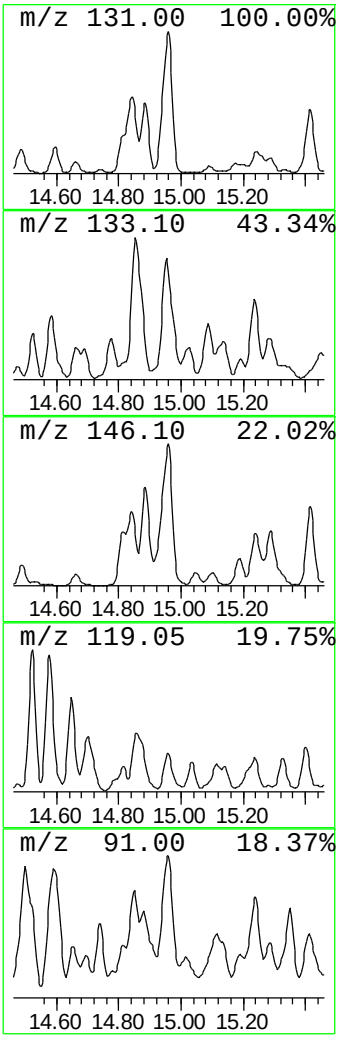
**********

Peak Number 7 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.96 | 153.46 ug/l | 10722000 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 64 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 64 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 64 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 64 |
| 5 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

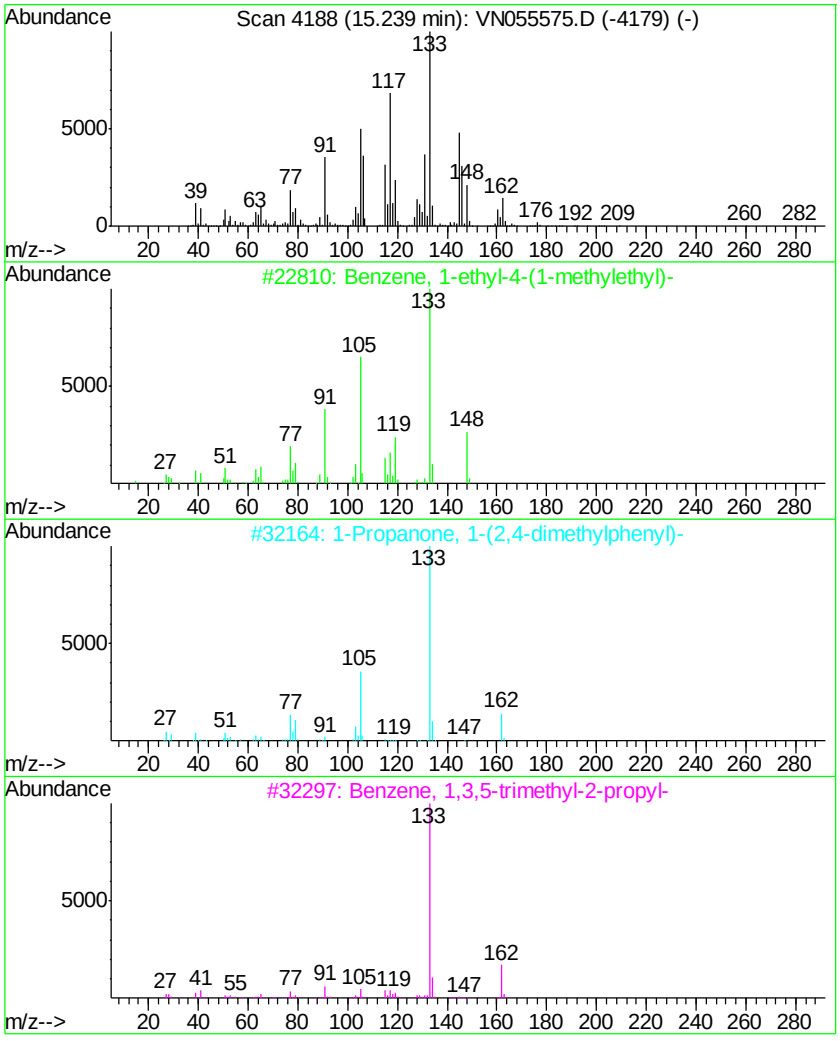
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

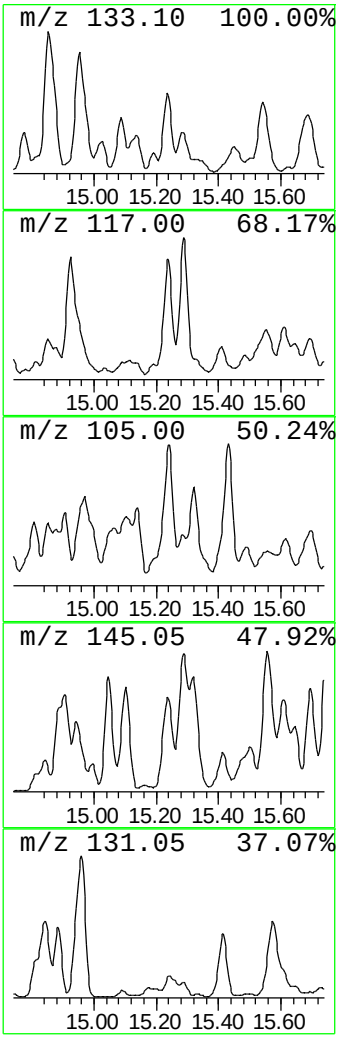
**********

Peak Number 8 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.24 | 74.32 ug/l | 5192890 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 50 |
| 2 | 1-Propanone, 1-(2,4-dimethylphen... | 162 | C11H14O | 035031-55-1 | 38 |
| 3 | Benzene, 1,3,5-trimethyl-2-propyl- | 162 | C12H18 | 004810-04-2 | 38 |
| 4 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 35 |
| 5 | Ethanone, 1-(3,4-dimethylphenyl)- | 148 | C10H12O | 003637-01-2 | 30 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

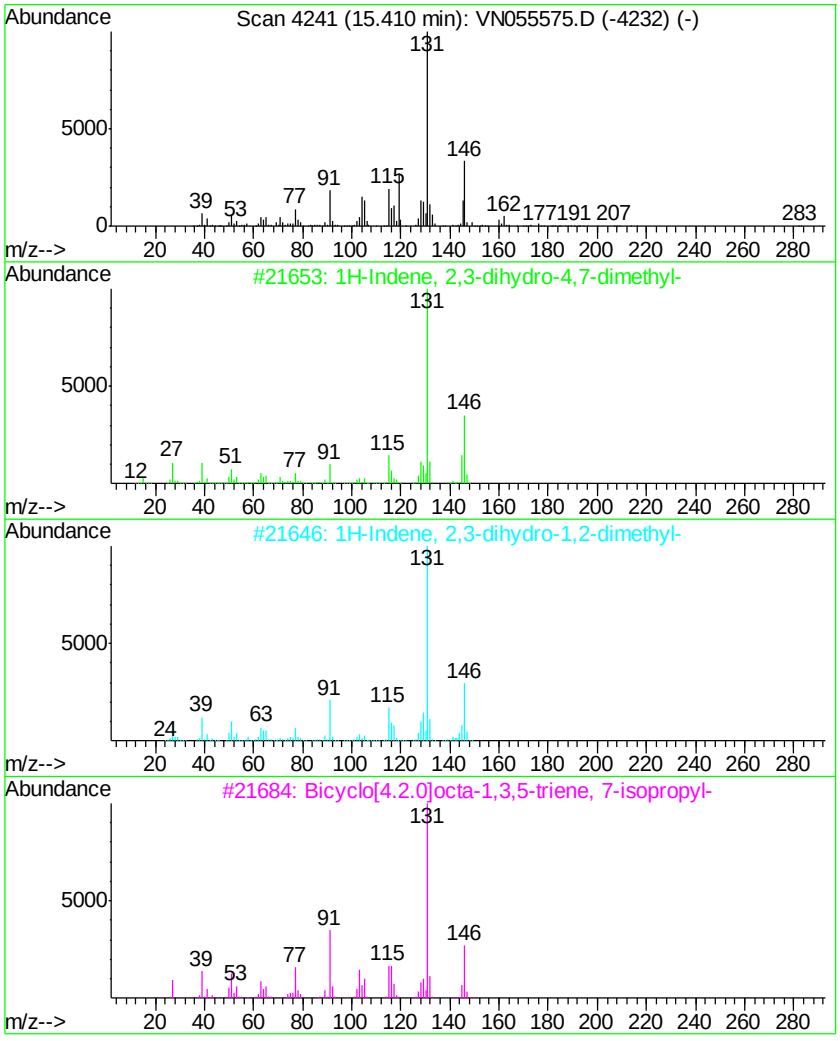
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

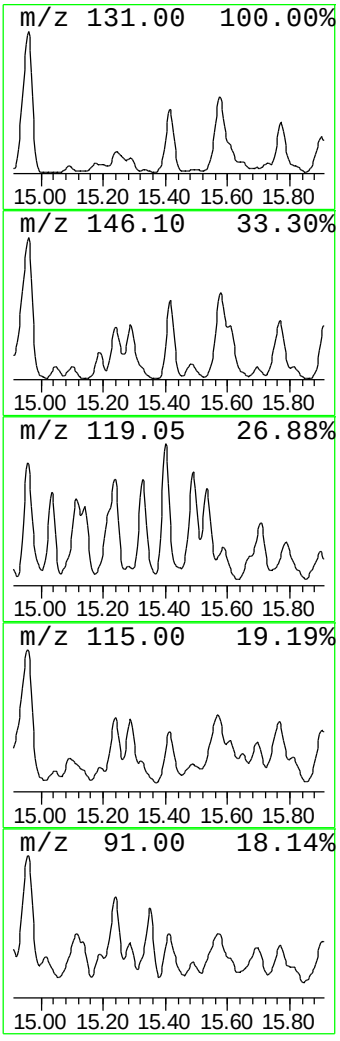
**********

Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.41 | 80.65 ug/l | 5634680 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 90 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 87 |
| 4 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 87 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

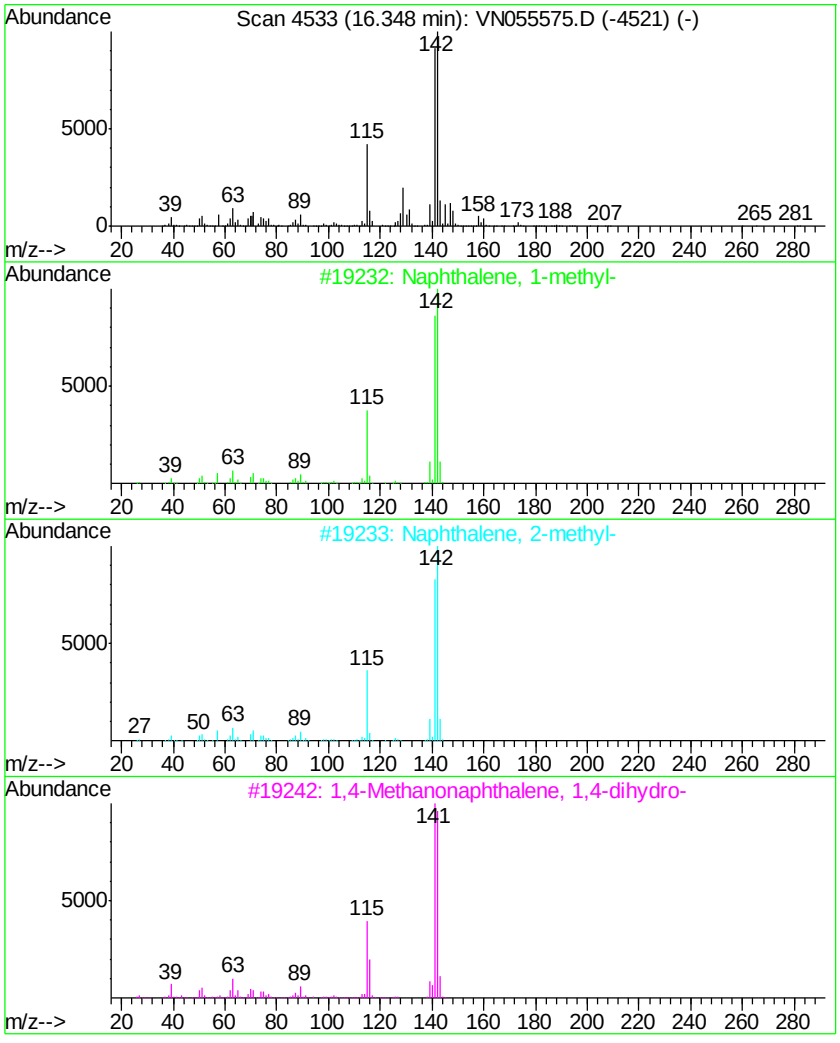
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

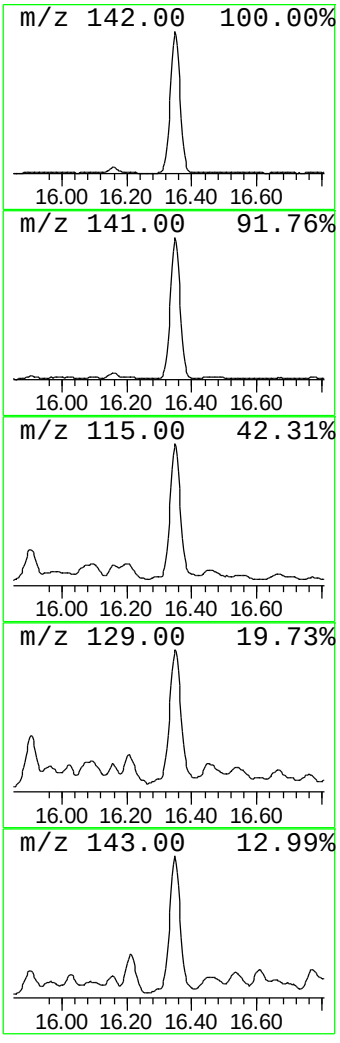
**********

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.35 | 197.09 ug/l | 13770300 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 90 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 89 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 52 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055575.D
Acq On : 13 May 2019 13:19
Operator : JC/SP
Sample : K2704-05
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-1(25.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Decane | 11.20 | 59.7 | ug/l | 4369120 | 3 | 11.41 | 3658800 | 50.0 |
| Cycloheptane, met... | 12.72 | 73.1 | ug/l | 5108110 | 4 | 13.34 | 3493450 | 50.0 |
| Naphthalene, deca... | 13.66 | 62.6 | ug/l | 4375370 | 4 | 13.34 | 3493450 | 50.0 |
| Benzene, 2-butenyl- | 13.99 | 130.8 | ug/l | 9140900 | 4 | 13.34 | 3493450 | 50.0 |
| Benzene, 1,2,4,5-... | 14.21 | 59.3 | ug/l | 4143350 | 4 | 13.34 | 3493450 | 50.0 |
| 1H-Indene, 2,3-di... | 14.59 | 195.5 | ug/l | 13658000 | 4 | 13.34 | 3493450 | 50.0 |
| 2,2-Dimethylinden... | 14.96 | 153.5 | ug/l | 10722000 | 4 | 13.34 | 3493450 | 50.0 |
| Benzene, 1-ethyl-... | 15.24 | 74.3 | ug/l | 5192890 | 4 | 13.34 | 3493450 | 50.0 |
| 1H-Indene, 2,3-di... | 15.41 | 80.7 | ug/l | 5634680 | 4 | 13.34 | 3493450 | 50.0 |
| Naphthalene, 1-me... | 16.35 | 197.1 | ug/l | 13770300 | 4 | 13.34 | 3493450 | 50.0 |