LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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 | 2.551 | 206 | 242 | 243 | rBV3 | 107046 | 377832 | 8.63% | 0.641% |
| 2 | 7.590 | 1787 | 1809 | 1820 | rBV2 | 507904 | 1287681 | 29.40% | 2.186% |
| 3 | 7.664 | 1820 | 1832 | 1877 | rVB | 897873 | 2246879 | 51.31% | 3.815% |
| 4 | 8.024 | 1925 | 1944 | 1966 | rBV | 616302 | 1422928 | 32.49% | 2.416% |
| 5 | 8.583 | 2103 | 2118 | 2166 | rVB | 1353695 | 3022105 | 69.01% | 5.131% |
| 6 | 9.078 | 2247 | 2272 | 2284 | rBV3 | 80002 | 197288 | 4.51% | 0.335% |
| 7 | 9.725 | 2461 | 2473 | 2496 | rVB3 | 50294 | 130104 | 2.97% | 0.221% |
| 8 | 9.866 | 2497 | 2517 | 2537 | rVB6 | 30255 | 92791 | 2.12% | 0.158% |
| 9 | 10.088 | 2569 | 2586 | 2620 | rBV | 2146781 | 4379297 | 100.00% | 7.435% |
| 10 | 10.255 | 2632 | 2638 | 2657 | rVB | 44487 | 128660 | 2.94% | 0.218% |
| 11 | 10.432 | 2685 | 2693 | 2709 | rVB3 | 54489 | 107781 | 2.46% | 0.183% |
| 12 | 10.525 | 2709 | 2722 | 2734 | rBV6 | 48263 | 114113 | 2.61% | 0.194% |
| 13 | 10.622 | 2745 | 2752 | 2761 | rVB6 | 27427 | 46003 | 1.05% | 0.078% |
| 14 | 10.715 | 2772 | 2781 | 2791 | rVB2 | 88621 | 144794 | 3.31% | 0.246% |
| 15 | 10.818 | 2805 | 2813 | 2824 | rVB3 | 29777 | 51840 | 1.18% | 0.088% |
| 16 | 10.882 | 2825 | 2833 | 2838 | rBV5 | 30982 | 47704 | 1.09% | 0.081% |
| 17 | 10.950 | 2847 | 2854 | 2861 | rVB | 87831 | 126245 | 2.88% | 0.214% |
| 18 | 11.001 | 2861 | 2870 | 2882 | rVB2 | 299581 | 533968 | 12.19% | 0.907% |
| 19 | 11.120 | 2896 | 2907 | 2916 | rBV6 | 95701 | 182544 | 4.17% | 0.310% |
| 20 | 11.201 | 2916 | 2932 | 2953 | rVB7 | 135201 | 414125 | 9.46% | 0.703% |
| 21 | 11.297 | 2953 | 2962 | 2982 | rBV | 188671 | 372072 | 8.50% | 0.632% |
| 22 | 11.406 | 2983 | 2996 | 3018 | rBV | 1855294 | 3443378 | 78.63% | 5.846% |
| 23 | 11.541 | 3032 | 3038 | 3044 | rVB4 | 52603 | 68084 | 1.55% | 0.116% |
| 24 | 11.596 | 3044 | 3055 | 3063 | rBV6 | 140975 | 288862 | 6.60% | 0.490% |
| 25 | 11.654 | 3065 | 3073 | 3081 | rBV4 | 150892 | 297313 | 6.79% | 0.505% |
| 26 | 11.757 | 3096 | 3105 | 3112 | rBV7 | 51843 | 92960 | 2.12% | 0.158% |
| 27 | 11.808 | 3114 | 3121 | 3128 | rBV4 | 45313 | 69209 | 1.58% | 0.117% |
| 28 | 11.853 | 3129 | 3135 | 3142 | rBV5 | 35951 | 48829 | 1.11% | 0.083% |
| 29 | 11.921 | 3142 | 3156 | 3169 | rBV6 | 256665 | 701440 | 16.02% | 1.191% |
| 30 | 12.043 | 3186 | 3194 | 3202 | rBV | 351564 | 482345 | 11.01% | 0.819% |
| 31 | 12.117 | 3209 | 3217 | 3223 | rBV3 | 276702 | 485656 | 11.09% | 0.824% |
| 32 | 12.400 | 3294 | 3305 | 3316 | rBV | 1544091 | 2737425 | 62.51% | 4.647% |
| 33 | 12.557 | 3345 | 3354 | 3369 | rVB3 | 768614 | 1407939 | 32.15% | 2.390% |
| 34 | 12.644 | 3371 | 3381 | 3391 | rBV8 | 219023 | 512508 | 11.70% | 0.870% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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 | 12.728 | 3393 | 3407 | 3416 | rBV8 | 529276 | 1460361 | 33.35% | 2.479% |
| 36 | 12.863 | 3442 | 3449 | 3457 | rBV7 | 246173 | 399148 | 9.11% | 0.678% |
| 37 | 12.959 | 3473 | 3479 | 3496 | rVB6 | 583830 | 1095365 | 25.01% | 1.860% |
| 38 | 13.046 | 3500 | 3506 | 3512 | rVV6 | 200438 | 271675 | 6.20% | 0.461% |
| 39 | 13.342 | 3589 | 3598 | 3616 | rVB2 | 1733112 | 3295261 | 75.25% | 5.594% |
| 40 | 13.480 | 3634 | 3641 | 3648 | rBV4 | 442413 | 670770 | 15.32% | 1.139% |
| 41 | 13.599 | 3670 | 3678 | 3686 | rBV7 | 339502 | 720031 | 16.44% | 1.222% |
| 42 | 13.660 | 3688 | 3697 | 3707 | rVB3 | 874788 | 1608293 | 36.72% | 2.730% |
| 43 | 13.995 | 3791 | 3801 | 3810 | rBV3 | 1065542 | 1867618 | 42.65% | 3.171% |
| 44 | 14.172 | 3848 | 3856 | 3863 | rBV4 | 715085 | 1347416 | 30.77% | 2.287% |
| 45 | 14.290 | 3887 | 3893 | 3899 | rBV3 | 544490 | 790718 | 18.06% | 1.342% |
| 46 | 14.329 | 3900 | 3905 | 3912 | rVB3 | 761798 | 1018772 | 23.26% | 1.730% |
| 47 | 14.522 | 3960 | 3965 | 3973 | rVB2 | 746315 | 1001425 | 22.87% | 1.700% |
| 48 | 14.580 | 3974 | 3983 | 3996 | rBV3 | 1522519 | 3228698 | 73.73% | 5.481% |
| 49 | 14.647 | 3997 | 4004 | 4013 | rBV5 | 586936 | 1145219 | 26.15% | 1.944% |
| 50 | 14.850 | 4061 | 4067 | 4073 | rBV3 | 780922 | 997046 | 22.77% | 1.693% |
| 51 | 14.956 | 4091 | 4100 | 4112 | rVB3 | 1232496 | 2484524 | 56.73% | 4.218% |
| 52 | 15.239 | 4181 | 4188 | 4197 | rBV5 | 795844 | 1732822 | 39.57% | 2.942% |
| 53 | 15.908 | 4386 | 4396 | 4408 | rVB3 | 1163461 | 2251643 | 51.42% | 3.823% |
| 54 | 16.097 | 4448 | 4455 | 4465 | rVB3 | 869557 | 1599295 | 36.52% | 2.715% |
| 55 | 16.162 | 4468 | 4475 | 4483 | rBV4 | 577357 | 1096329 | 25.03% | 1.861% |
| 56 | 16.348 | 4522 | 4533 | 4545 | rBV6 | 1144219 | 2758374 | 62.99% | 4.683% |

Sum of corrected areas: 58903505

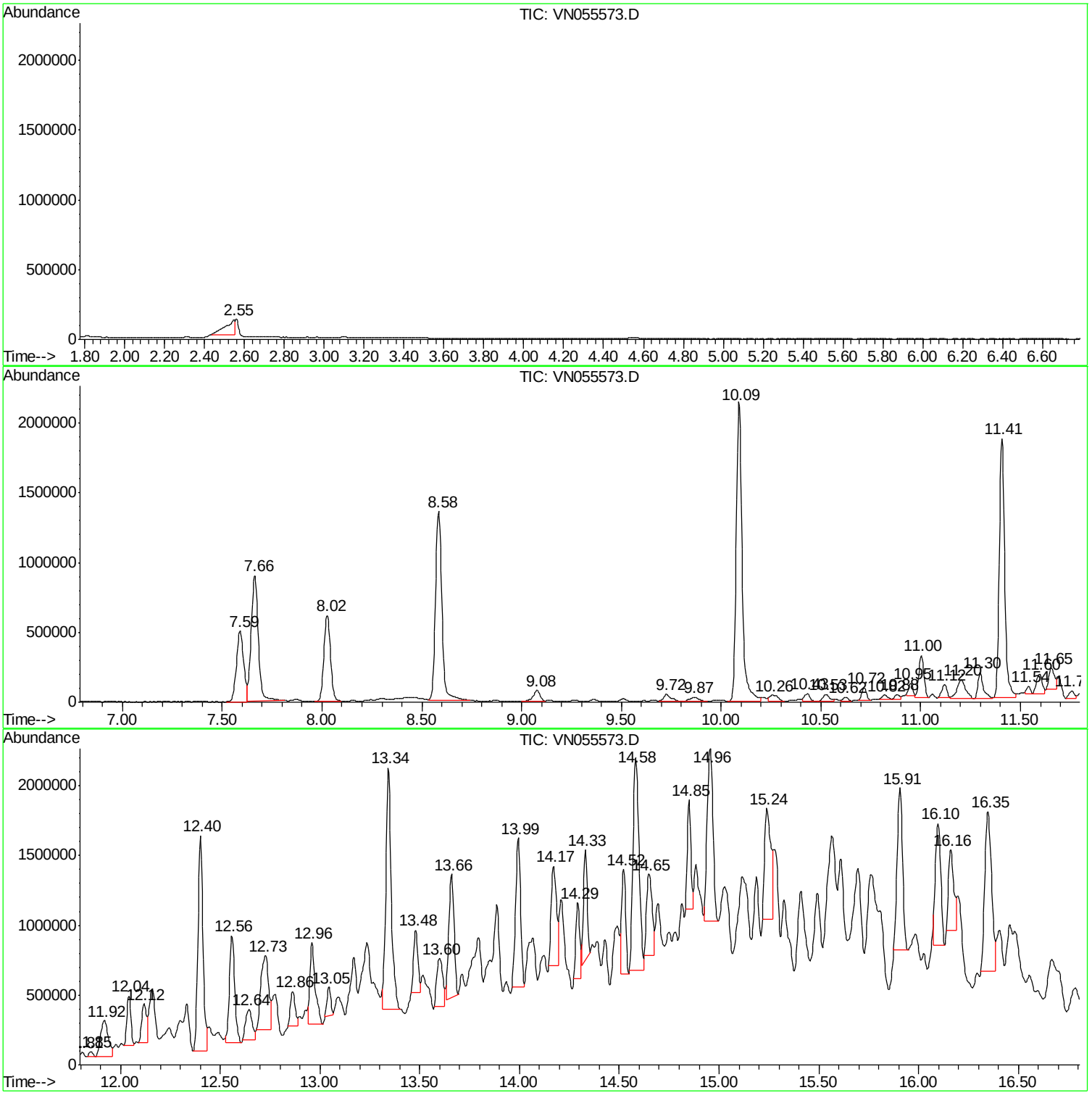
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

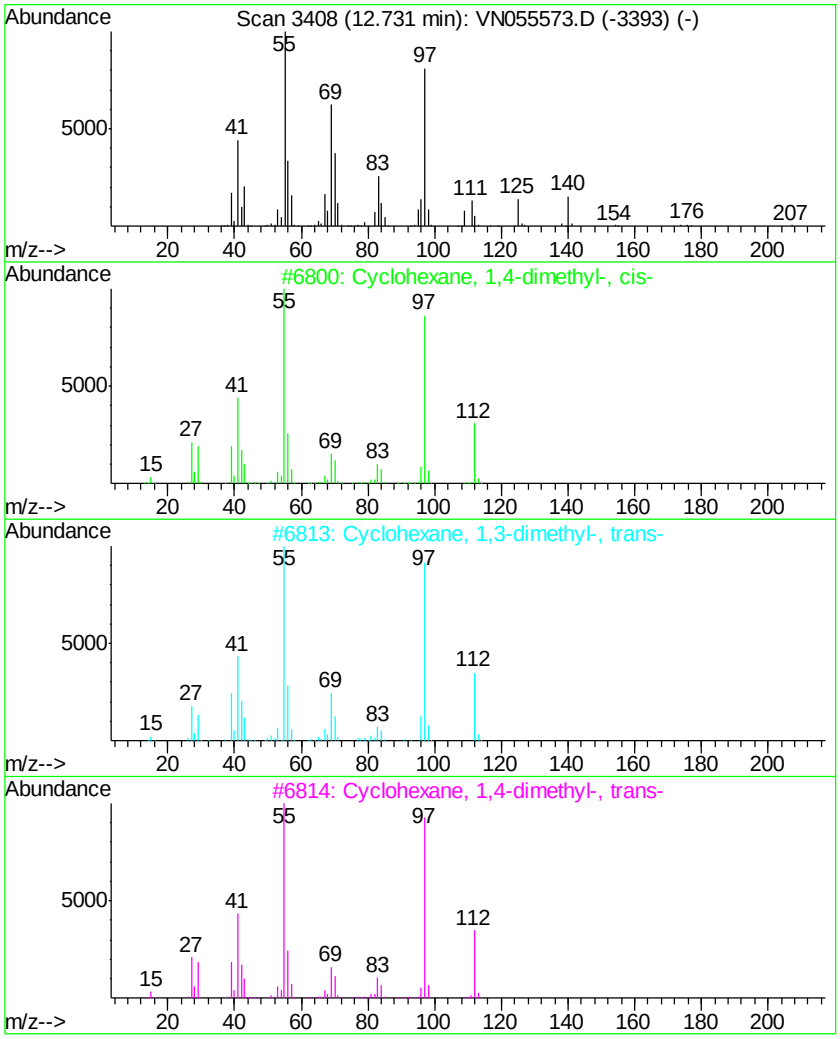
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

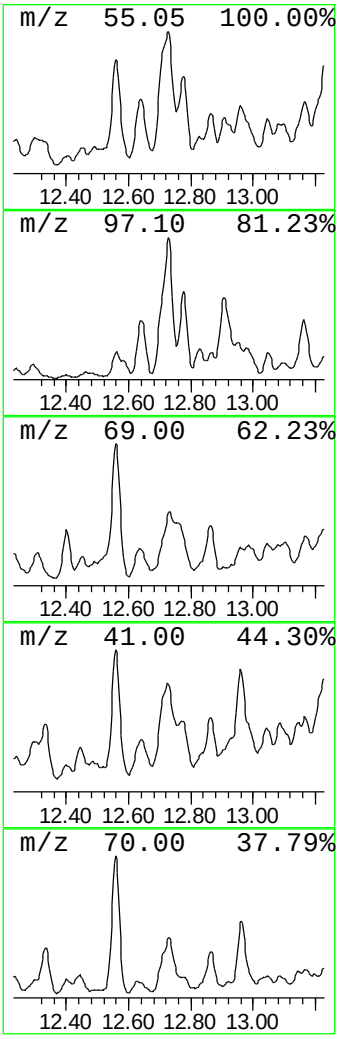
**********

Peak Number 1 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.73 | 22.16 ug/l | 1460360 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 62 |
| 2 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 52 |
| 3 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 52 |
| 4 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 49 |
| 5 | Cyclohexane, 1-methyl-3-propyl- | 140 | C10H20 | 004291-80-9 | 49 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

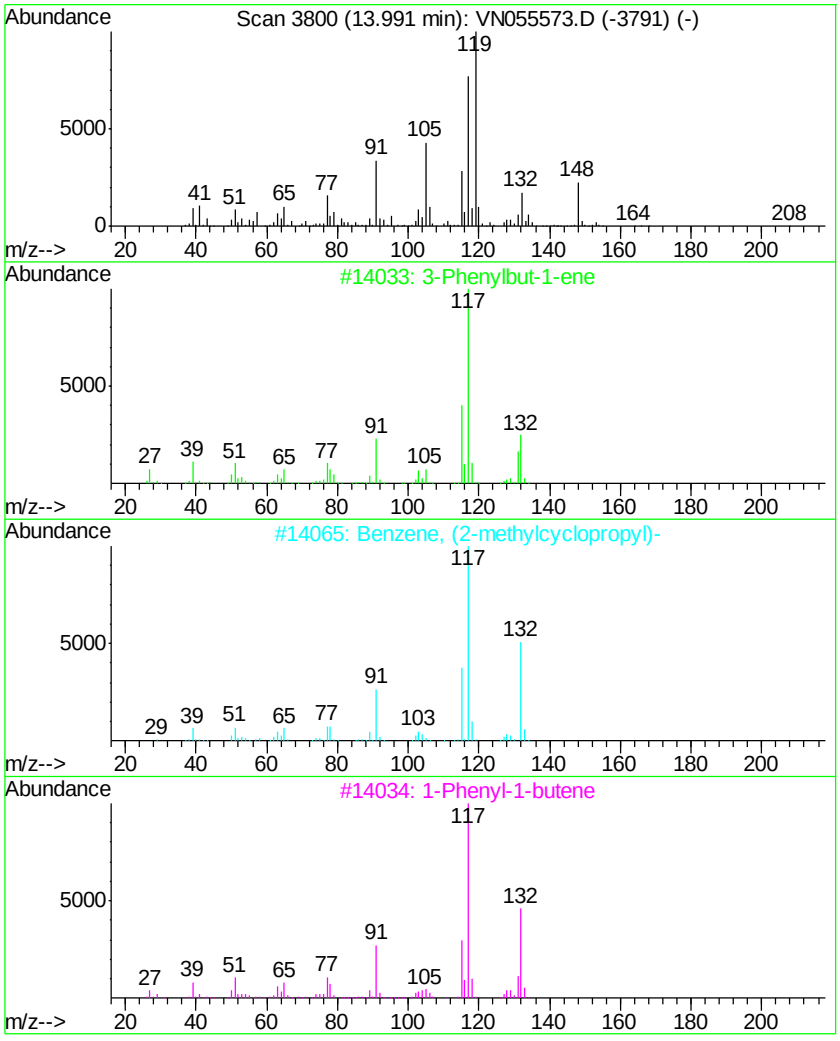
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

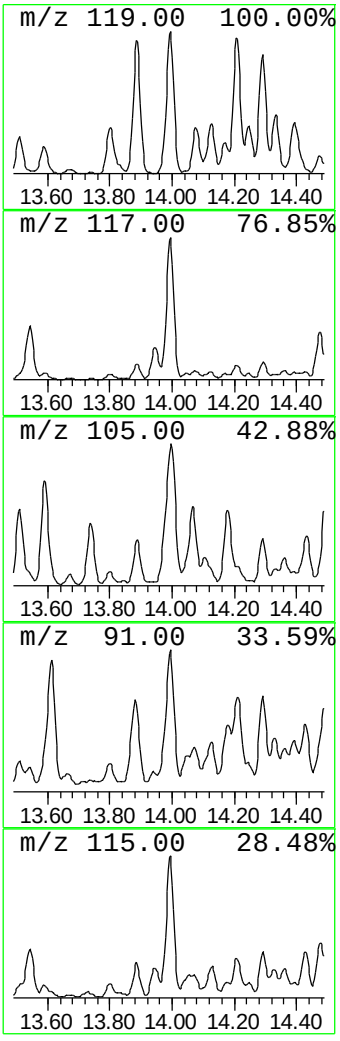
**********

Peak Number 2 unknown13.99 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.99 | 28.34 ug/l | 1867620 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 46 |
| 2 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 46 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 46 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 42 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 42 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

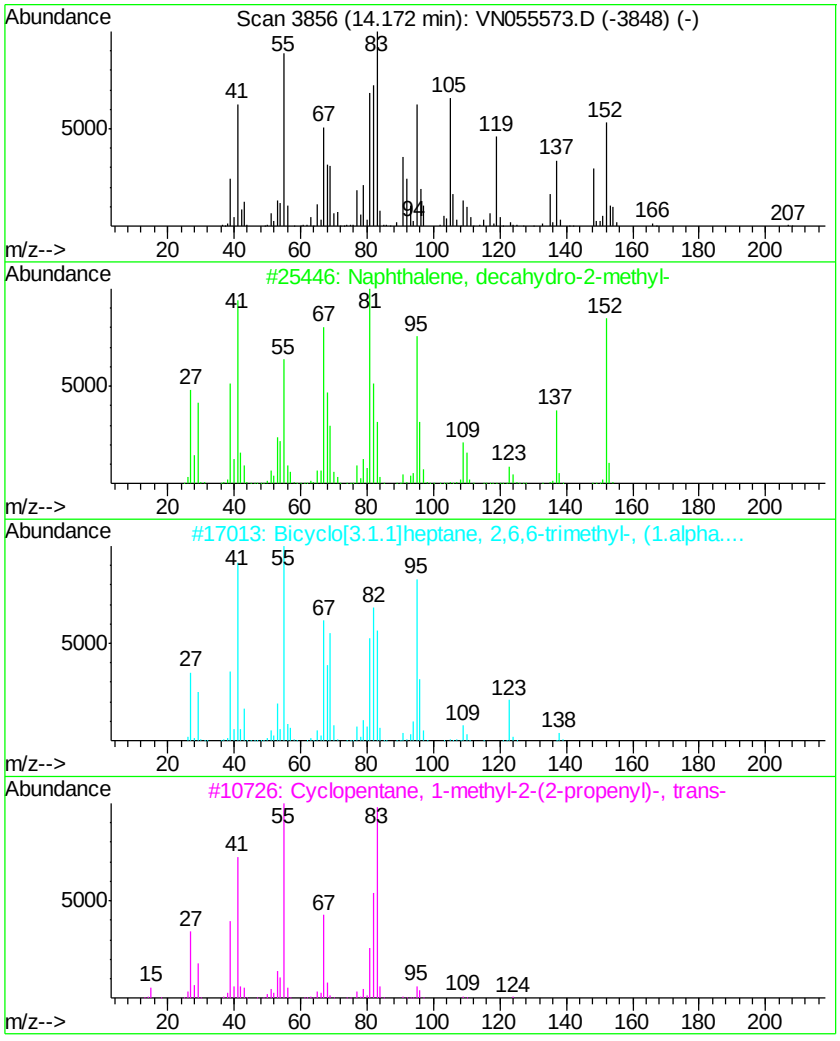
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

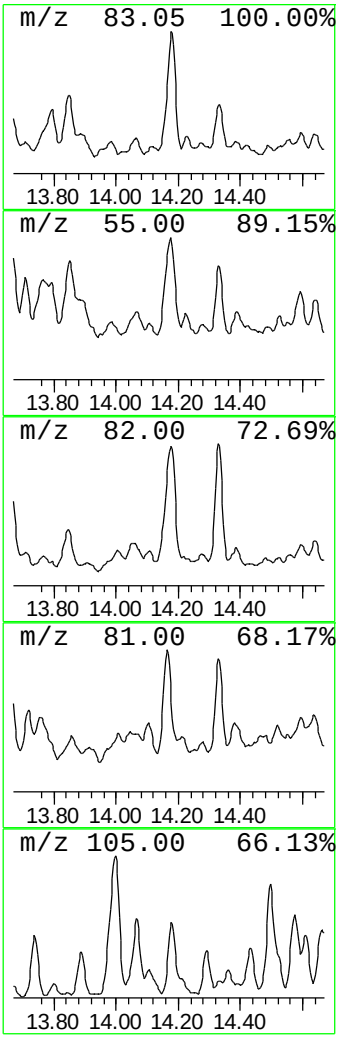
**********

Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.17 | 20.44 ug/l | 1347420 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 89 |
| 2 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 006876-13-7 | 38 |
| 3 | Cyclopentane, 1-methyl-2-(2-prop... | 124 | C9H16 | 050746-53-7 | 38 |
| 4 | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O | 004176-01-6 | 27 |
| 5 | Bicyclo[4.1.0]heptan-3-one, 4,7,... | 152 | C10H16O | 004176-04-9 | 27 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

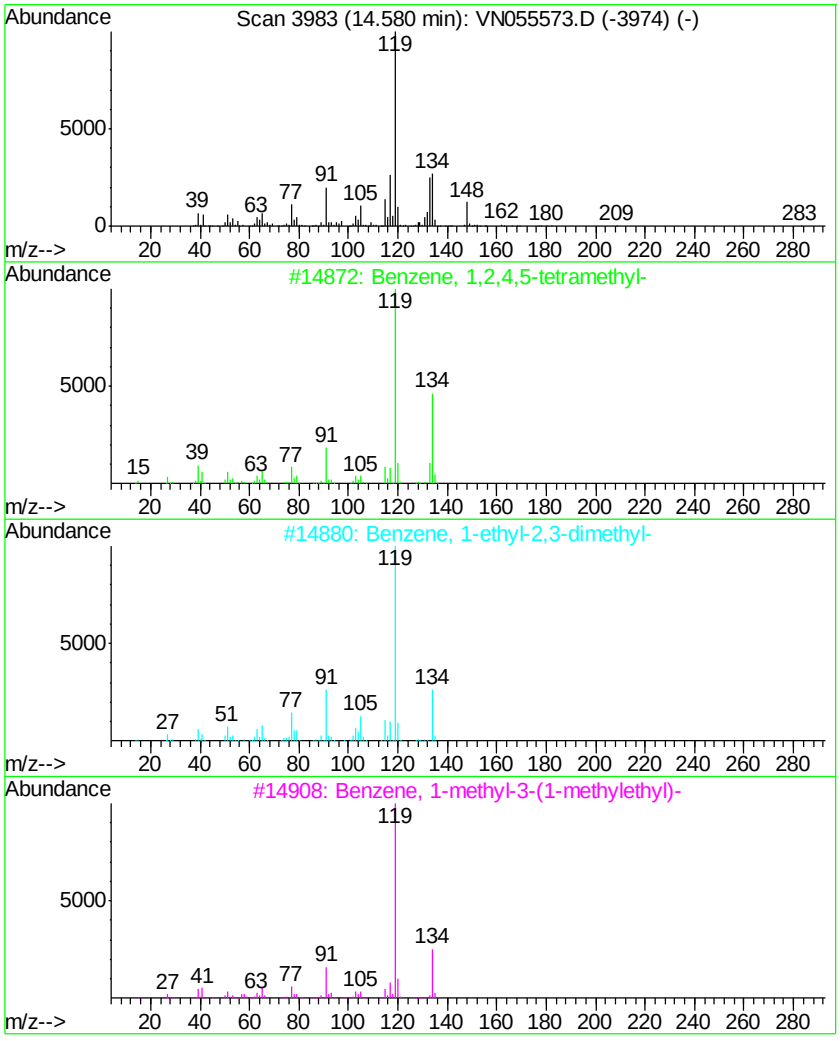
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

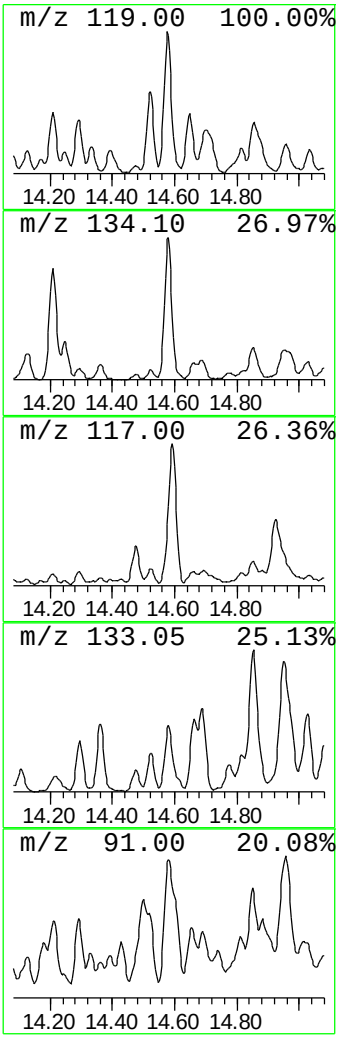
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.58 | 48.99 ug/l | 3228700 | 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 | 70 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 64 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 64 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 64 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

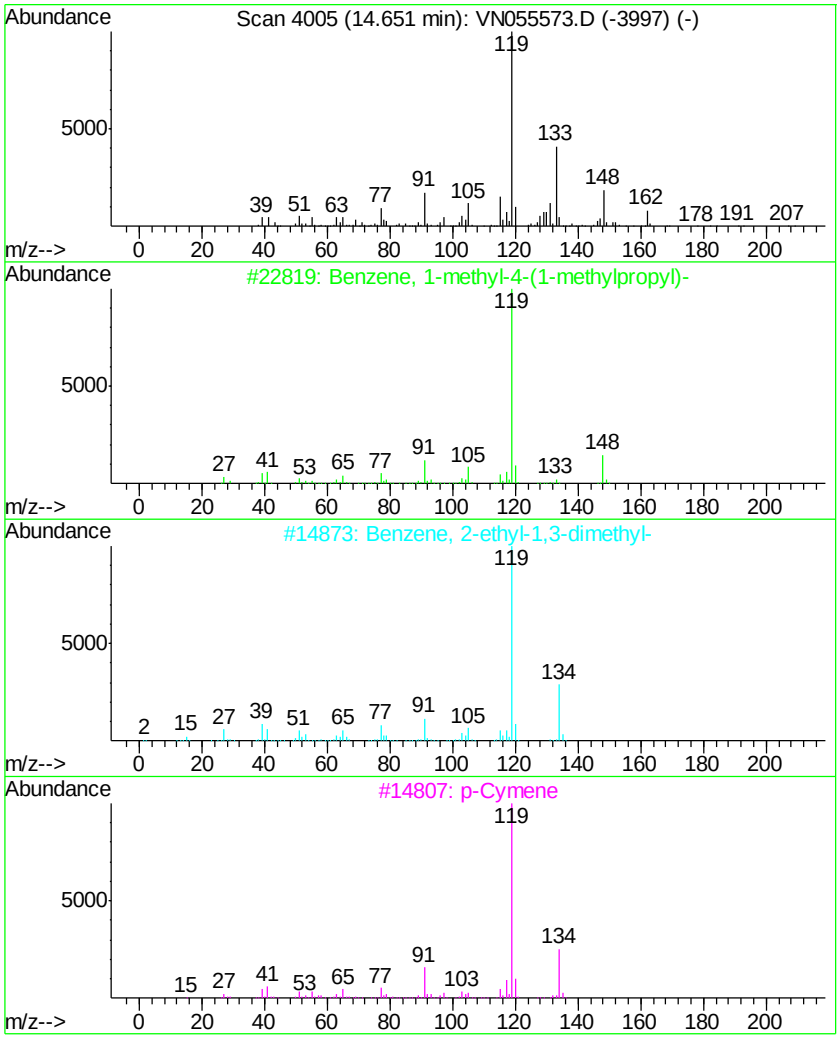
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

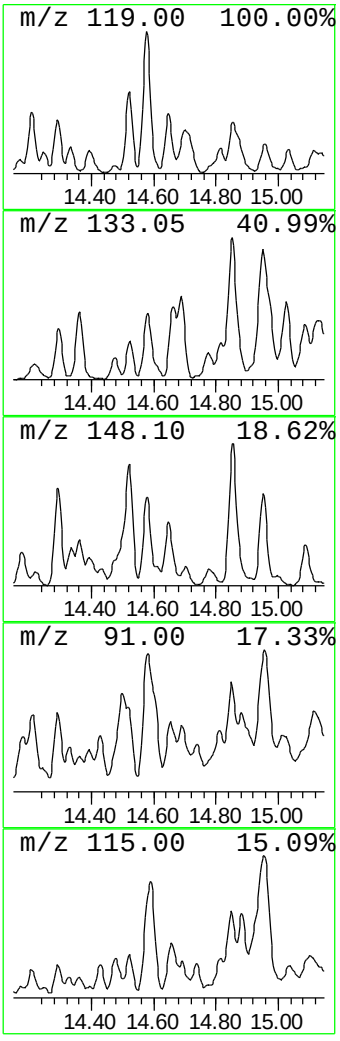
**********

Peak Number 5 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.65 | 17.38 ug/l | 1145220 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16 | 001595-16-0 | 64 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 60 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 53 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 50 |
| 5 | Propiophenone, 2'-methyl- | 148 | C10H12O | 002040-14-4 | 50 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

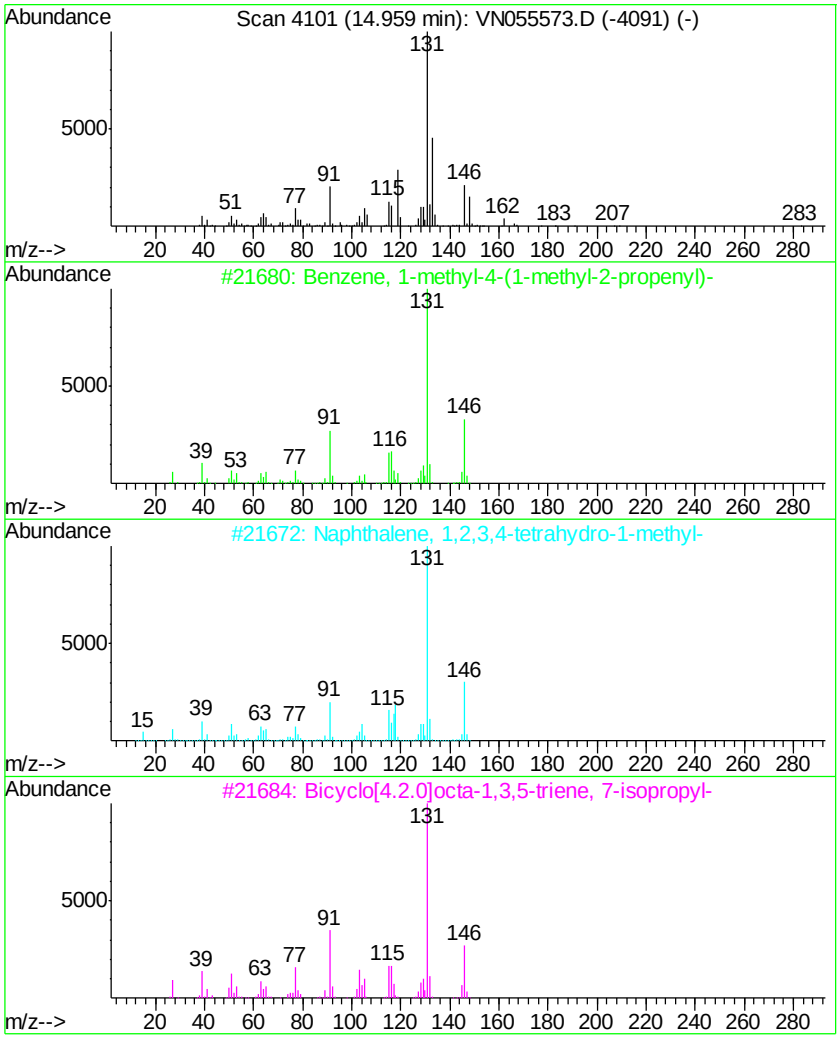
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

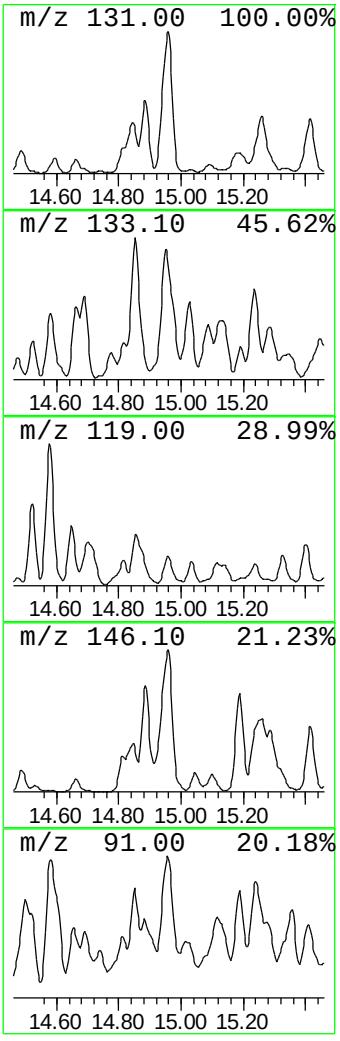
**********

Peak Number 6 Benzene, 1-methyl-4-(1-meth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.96 | 37.70 ug/l | 2484520 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 64 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 64 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 64 |
| 4 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 64 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

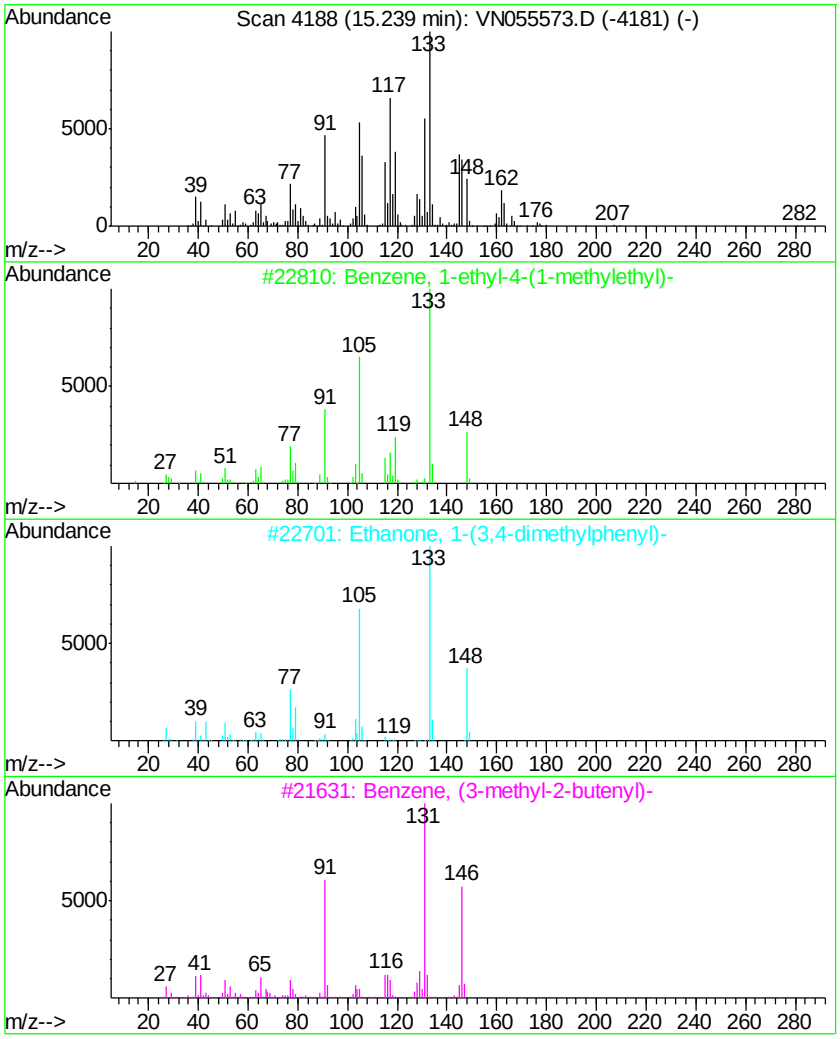
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

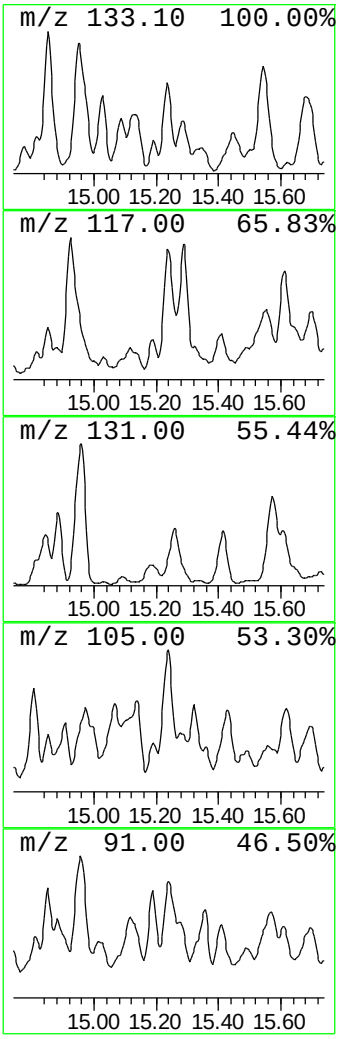
**********

Peak Number 7 unknown15.24 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.24 | 26.29 ug/l | 1732820 | 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 | 46 |
| 2 | Ethanone, 1-(3,4-dimethylphenyl)- | 148 | C10H12O | 003637-01-2 | 25 |
| 3 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 25 |
| 4 | 1-Propanone, 1-(2,4-dimethylphen... | 162 | C11H14O | 035031-55-1 | 20 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 20 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

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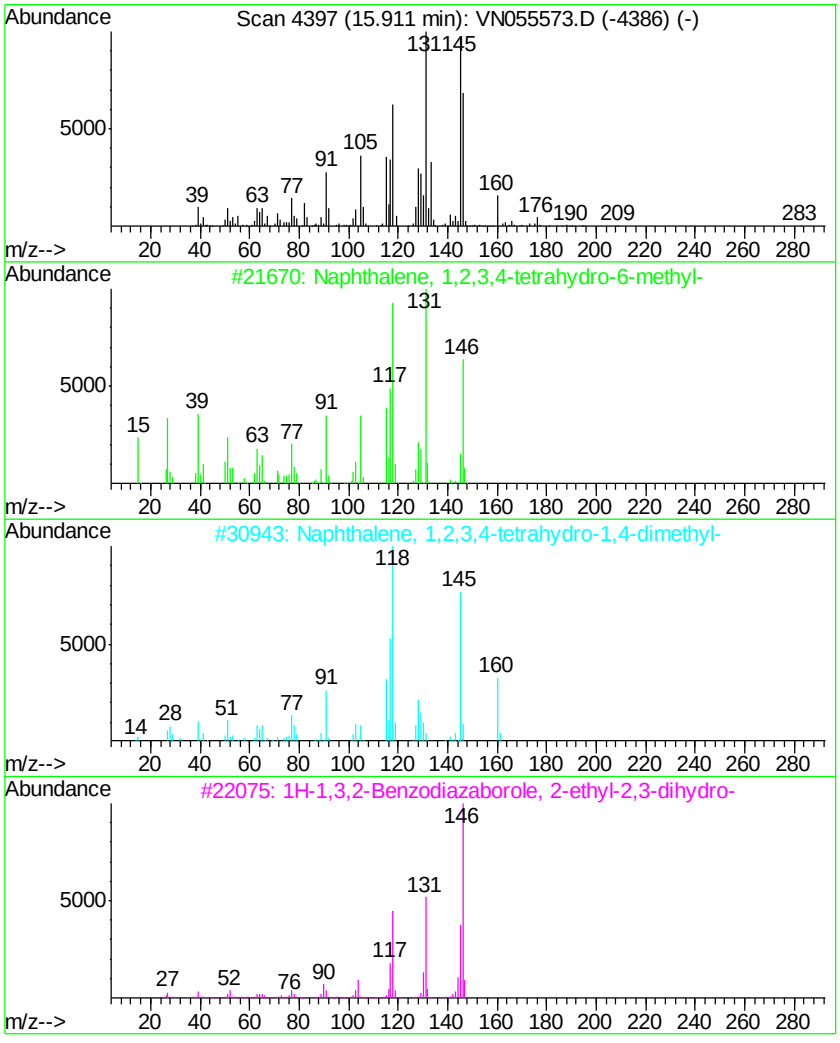
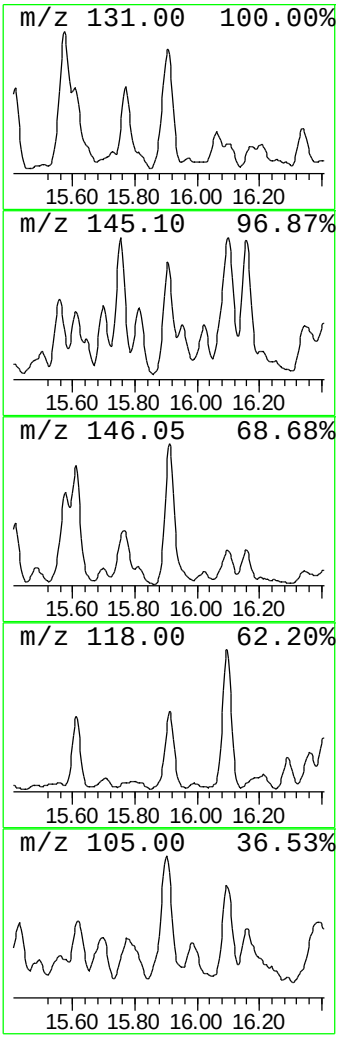
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.91 | 34.16 ug/l | 2251640 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 60 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 55 |
| 3 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 53 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 53 |
| 5 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 52 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

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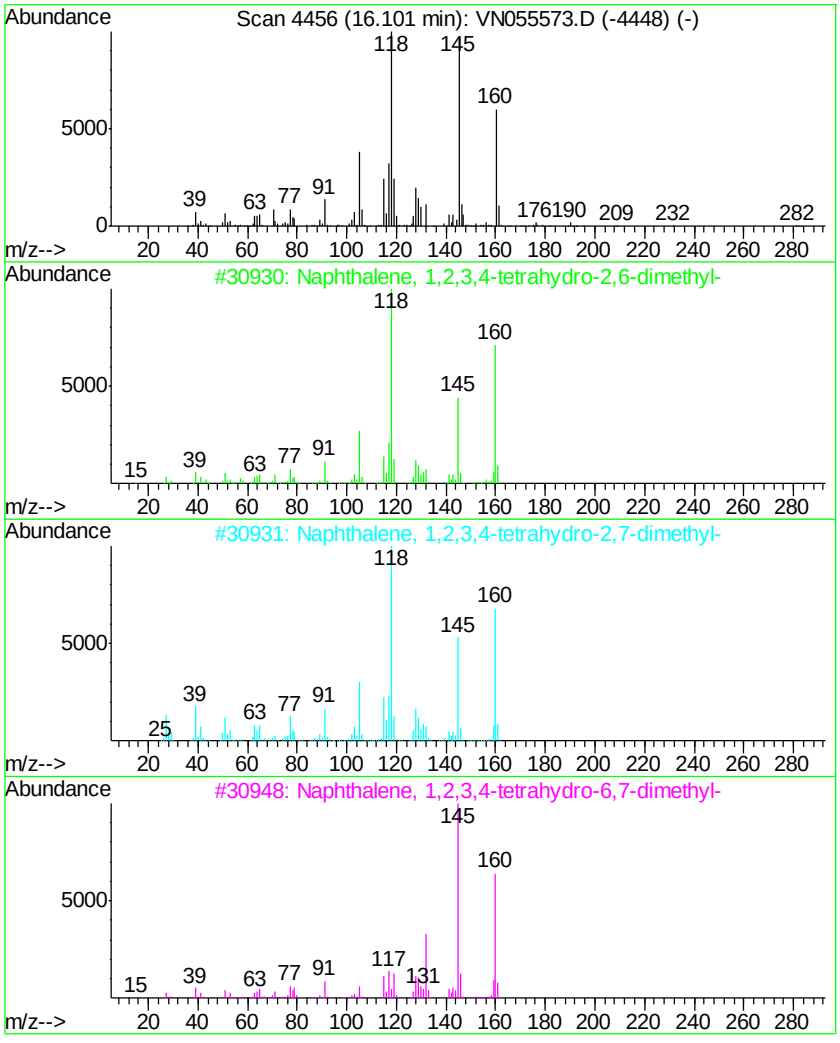
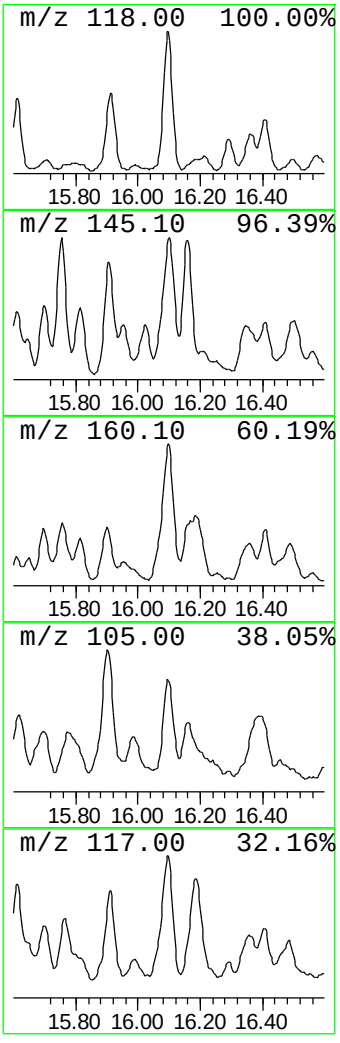
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.10 | 24.27 ug/l | 1599300 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 76 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 76 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 60 |
| 4 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 60 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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

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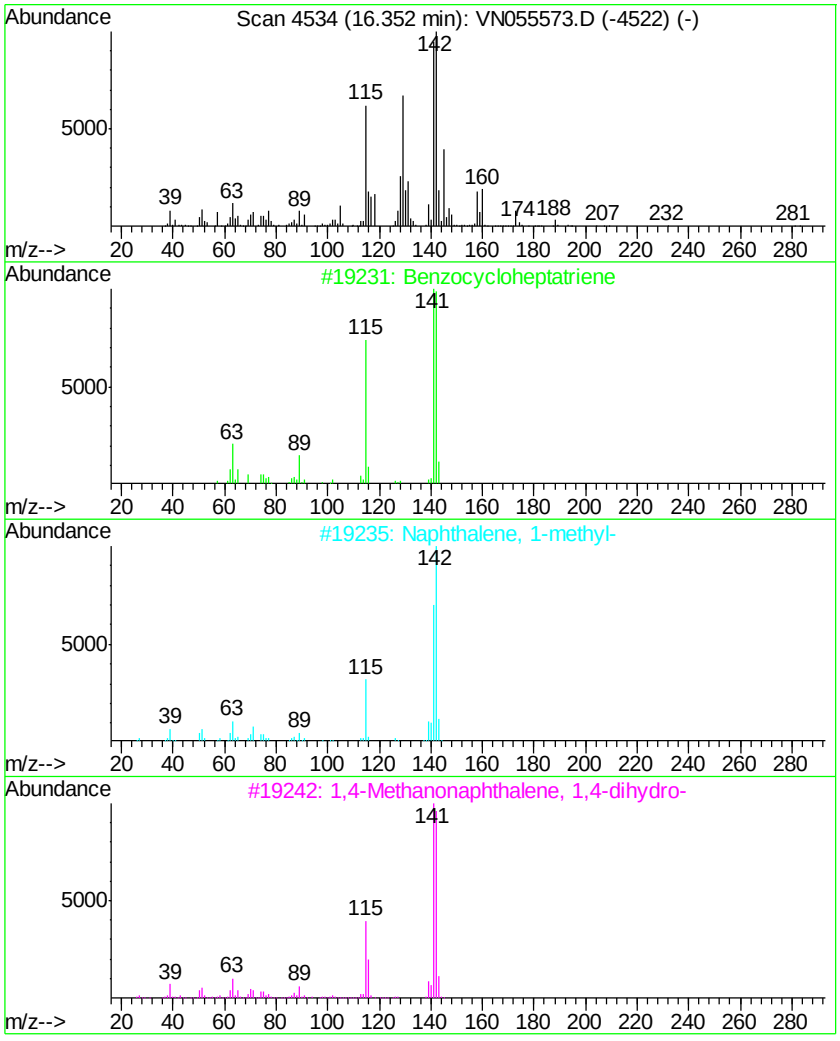
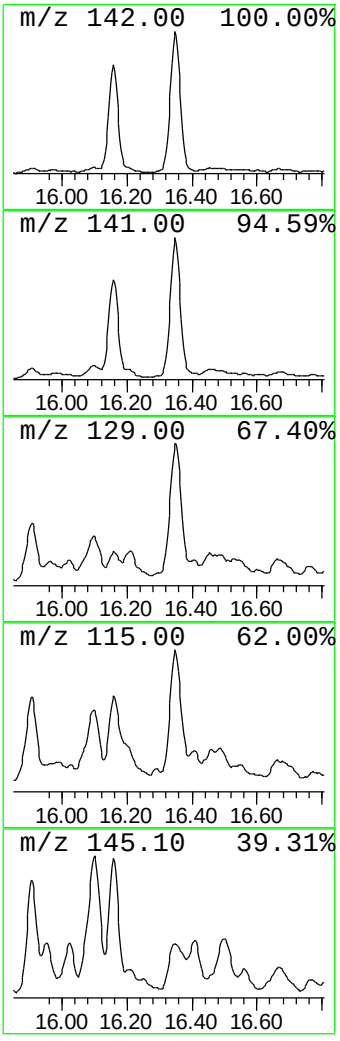
Peak Number 10 Benzocycloheptatriene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.35 | 41.85 ug/l | 2758370 | 1,4-Dichlorobenzene-d4 | 13.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 55 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 50 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 50 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 50 |
| 5 | Spiro(tricyclo[6.2.1.0(2,7)]unde... | 186 | C13H14O | 1000210-02-3 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051319\
Data File : VN055573.D
Acq On : 13 May 2019 12:28
Operator : JC/SP
Sample : K2704-01
Misc : 5.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** SB-2(24.5)

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 |
| Cyclohexane, 1,4-... | 12.73 | 22.2 | ug/l | 1460360 | 4 | 13.34 | 3295260 | 50.0 |
| unknown13.99 | 13.99 | 28.3 | ug/l | 1867620 | 4 | 13.34 | 3295260 | 50.0 |
| Naphthalene, deca... | 14.17 | 20.4 | ug/l | 1347420 | 4 | 13.34 | 3295260 | 50.0 |
| Benzene, 1,2,4,5-... | 14.58 | 49.0 | ug/l | 3228700 | 4 | 13.34 | 3295260 | 50.0 |
| Benzene, 1-methyl... | 14.65 | 17.4 | ug/l | 1145220 | 4 | 13.34 | 3295260 | 50.0 |
| Benzene, 1-methyl... | 14.96 | 37.7 | ug/l | 2484520 | 4 | 13.34 | 3295260 | 50.0 |
| unknown15.24 | 15.24 | 26.3 | ug/l | 1732820 | 4 | 13.34 | 3295260 | 50.0 |
| Naphthalene, 1,2,... | 15.91 | 34.2 | ug/l | 2251640 | 4 | 13.34 | 3295260 | 50.0 |
| Naphthalene, 1,2,... | 16.10 | 24.3 | ug/l | 1599300 | 4 | 13.34 | 3295260 | 50.0 |
| Benzocycloheptatr... | 16.35 | 41.9 | ug/l | 2758370 | 4 | 13.34 | 3295260 | 50.0 |