LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

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\82N042919W.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 | 7.593 | 1790 | 1810 | 1821 | rBV2 | 290321 | 730660 | 2.99% | 0.237% |
| 2 | 7.667 | 1821 | 1833 | 1854 | rVB | 475652 | 1126877 | 4.60% | 0.366% |
| 3 | 8.030 | 1928 | 1946 | 1971 | rBV | 317822 | 762176 | 3.11% | 0.248% |
| 4 | 8.587 | 2103 | 2119 | 2163 | rBV | 758335 | 1675498 | 6.85% | 0.545% |
| 5 | 9.728 | 2463 | 2474 | 2497 | rVB3 | 139476 | 339909 | 1.39% | 0.110% |
| 6 | 9.870 | 2499 | 2518 | 2542 | rVB2 | 122642 | 312152 | 1.28% | 0.101% |
| 7 | 10.091 | 2572 | 2587 | 2615 | rBV2 | 1394880 | 2988318 | 12.21% | 0.971% |
| 8 | 10.259 | 2631 | 2639 | 2658 | rVB5 | 86494 | 251656 | 1.03% | 0.082% |
| 9 | 10.432 | 2685 | 2693 | 2708 | rVB | 268109 | 508185 | 2.08% | 0.165% |
| 10 | 10.532 | 2711 | 2724 | 2732 | rBV4 | 167818 | 362552 | 1.48% | 0.118% |
| 11 | 10.625 | 2745 | 2753 | 2763 | rVB | 250101 | 404391 | 1.65% | 0.131% |
| 12 | 10.718 | 2771 | 2782 | 2794 | rVB | 1223440 | 2023029 | 8.27% | 0.658% |
| 13 | 10.821 | 2800 | 2814 | 2826 | rBV | 607090 | 1278383 | 5.22% | 0.416% |
| 14 | 10.886 | 2826 | 2834 | 2841 | rBV4 | 316218 | 516055 | 2.11% | 0.168% |
| 15 | 10.950 | 2846 | 2854 | 2862 | rVV | 976280 | 1612146 | 6.59% | 0.524% |
| 16 | 11.005 | 2862 | 2871 | 2882 | rVV | 2408351 | 4268944 | 17.44% | 1.388% |
| 17 | 11.059 | 2882 | 2888 | 2895 | rVB2 | 270319 | 372726 | 1.52% | 0.121% |
| 18 | 11.124 | 2895 | 2908 | 2916 | rBV3 | 1434250 | 2738136 | 11.19% | 0.890% |
| 19 | 11.194 | 2916 | 2930 | 2950 | rVB7 | 2088039 | 6304984 | 25.76% | 2.049% |
| 20 | 11.300 | 2950 | 2963 | 2985 | rBV | 3734861 | 6719947 | 27.46% | 2.184% |
| 21 | 11.407 | 2986 | 2996 | 3005 | rBV | 1024943 | 1931488 | 7.89% | 0.628% |
| 22 | 11.497 | 3016 | 3024 | 3030 | rBV3 | 186280 | 340457 | 1.39% | 0.111% |
| 23 | 11.542 | 3030 | 3038 | 3044 | rVV | 840870 | 1288764 | 5.27% | 0.419% |
| 24 | 11.593 | 3044 | 3054 | 3063 | rVV6 | 1607304 | 3553530 | 14.52% | 1.155% |
| 25 | 11.654 | 3064 | 3073 | 3080 | rVV2 | 3316079 | 6106806 | 24.95% | 1.985% |
| 26 | 11.696 | 3081 | 3086 | 3097 | rVB3 | 2335322 | 3817550 | 15.60% | 1.241% |
| 27 | 11.757 | 3097 | 3105 | 3112 | rBV3 | 595789 | 1070572 | 4.37% | 0.348% |
| 28 | 11.850 | 3127 | 3134 | 3142 | rVB4 | 935172 | 1402122 | 5.73% | 0.456% |
| 29 | 11.924 | 3142 | 3157 | 3169 | rBV6 | 4174911 | 10140732 | 41.43% | 3.296% |
| 30 | 11.979 | 3170 | 3174 | 3178 | rBV3 | 427526 | 466070 | 1.90% | 0.151% |
| 31 | 12.043 | 3186 | 3194 | 3202 | rBV | 5902124 | 8363644 | 34.17% | 2.718% |
| 32 | 12.120 | 3210 | 3218 | 3223 | rBV3 | 3500356 | 5717219 | 23.36% | 1.858% |
| 33 | 12.162 | 3224 | 3231 | 3249 | rVB5 | 7129820 | 14041745 | 57.37% | 4.564% |
| 34 | 12.297 | 3266 | 3273 | 3279 | rBV5 | 2048650 | 3166898 | 12.94% | 1.029% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
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Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

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\82N042919W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.336 | 3279 | 3285 | 3295 | rVB | 5802885 | 9112340 | 37.23% | 2.962% |
| 36 | 12.406 | 3296 | 3307 | 3316 | rBV6 | 1951563 | 3894483 | 15.91% | 1.266% |
| 37 | 12.490 | 3317 | 3333 | 3338 | rBV6 | 1496937 | 4049294 | 16.54% | 1.316% |
| 38 | 12.561 | 3347 | 3355 | 3371 | rVB3 | 6702857 | 14362231 | 58.68% | 4.668% |
| 39 | 12.648 | 3371 | 3382 | 3390 | rBV6 | 2738163 | 5766856 | 23.56% | 1.874% |
| 40 | 12.728 | 3393 | 3407 | 3416 | rVV4 | 9551773 | 24475591 | 100.00% | 7.955% |
| 41 | 12.779 | 3417 | 3423 | 3433 | rVB3 | 4622133 | 7474560 | 30.54% | 2.429% |
| 42 | 12.866 | 3443 | 3450 | 3457 | rBV3 | 2291753 | 3298171 | 13.48% | 1.072% |
| 43 | 12.908 | 3458 | 3463 | 3465 | rBV2 | 1020032 | 1049827 | 4.29% | 0.341% |
| 44 | 12.963 | 3473 | 3480 | 3493 | rVB3 | 7799288 | 12948385 | 52.90% | 4.209% |
| 45 | 13.040 | 3494 | 3504 | 3514 | rBV | 11895392 | 19448490 | 79.46% | 6.321% |
| 46 | 13.169 | 3532 | 3544 | 3551 | rVB5 | 2618386 | 5663497 | 23.14% | 1.841% |
| 47 | 13.236 | 3552 | 3565 | 3574 | rBV5 | 9170256 | 17943144 | 73.31% | 5.832% |
| 48 | 13.371 | 3602 | 3607 | 3624 | rVB | 3289304 | 5806768 | 23.72% | 1.887% |
| 49 | 13.538 | 3654 | 3659 | 3666 | rVB | 4154062 | 5389158 | 22.02% | 1.752% |
| 50 | 13.586 | 3666 | 3674 | 3688 | rVB4 | 5087197 | 10033376 | 40.99% | 3.261% |
| 51 | 13.664 | 3689 | 3698 | 3707 | rBV4 | 5220996 | 8985328 | 36.71% | 2.920% |
| 52 | 13.712 | 3708 | 3713 | 3720 | rVB4 | 1267750 | 1683457 | 6.88% | 0.547% |
| 53 | 13.799 | 3735 | 3740 | 3745 | rBV3 | 1918791 | 2764168 | 11.29% | 0.898% |
| 54 | 13.831 | 3746 | 3750 | 3760 | rVV3 | 3429564 | 5023055 | 20.52% | 1.633% |
| 55 | 13.886 | 3761 | 3767 | 3777 | rVB | 4253035 | 6771061 | 27.66% | 2.201% |
| 56 | 13.992 | 3791 | 3800 | 3810 | rVB4 | 4549536 | 7594515 | 31.03% | 2.468% |
| 57 | 14.053 | 3811 | 3819 | 3820 | rBV2 | 850870 | 1071312 | 4.38% | 0.348% |
| 58 | 14.127 | 3836 | 3842 | 3848 | rVB2 | 1048601 | 1303175 | 5.32% | 0.424% |
| 59 | 14.172 | 3849 | 3856 | 3863 | rBV5 | 1648840 | 2951107 | 12.06% | 0.959% |
| 60 | 14.246 | 3873 | 3879 | 3887 | rVB | 2711397 | 3948020 | 16.13% | 1.283% |
| 61 | 14.294 | 3887 | 3894 | 3899 | rVV3 | 1063450 | 1390068 | 5.68% | 0.452% |
| 62 | 14.332 | 3899 | 3906 | 3927 | rVB4 | 1835629 | 2926622 | 11.96% | 0.951% |
| 63 | 14.432 | 3932 | 3937 | 3944 | rVB2 | 878620 | 1169130 | 4.78% | 0.380% |
| 64 | 14.477 | 3945 | 3951 | 3959 | rBV5 | 443096 | 740099 | 3.02% | 0.241% |
| 65 | 14.522 | 3960 | 3965 | 3973 | rVB | 874723 | 1199596 | 4.90% | 0.390% |
| 66 | 14.580 | 3973 | 3983 | 3996 | rBV2 | 3194747 | 5998475 | 24.51% | 1.950% |
| 67 | 14.648 | 3997 | 4004 | 4014 | rVB2 | 494266 | 786382 | 3.21% | 0.256% |
| 68 | 14.741 | 4024 | 4033 | 4043 | rVB | 1703475 | 2662245 | 10.88% | 0.865% |
| 69 | 14.850 | 4061 | 4067 | 4073 | rBV3 | 308289 | 429019 | 1.75% | 0.139% |
| 70 | 14.953 | 4091 | 4099 | 4113 | rVB3 | 389569 | 853242 | 3.49% | 0.277% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

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\82N042919W.M
Title : SW846 8260

Sum of corrected areas: 307670568

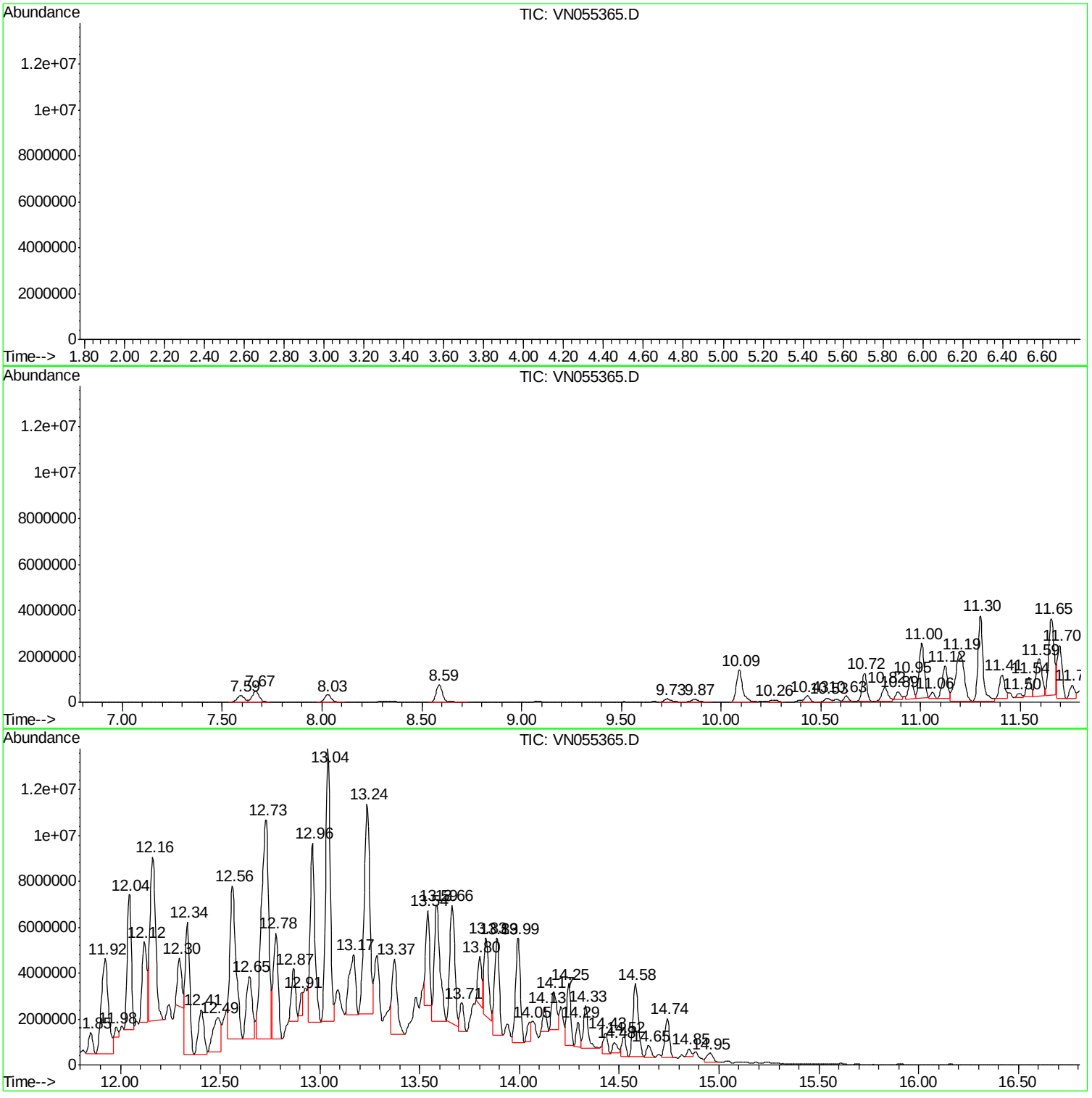
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

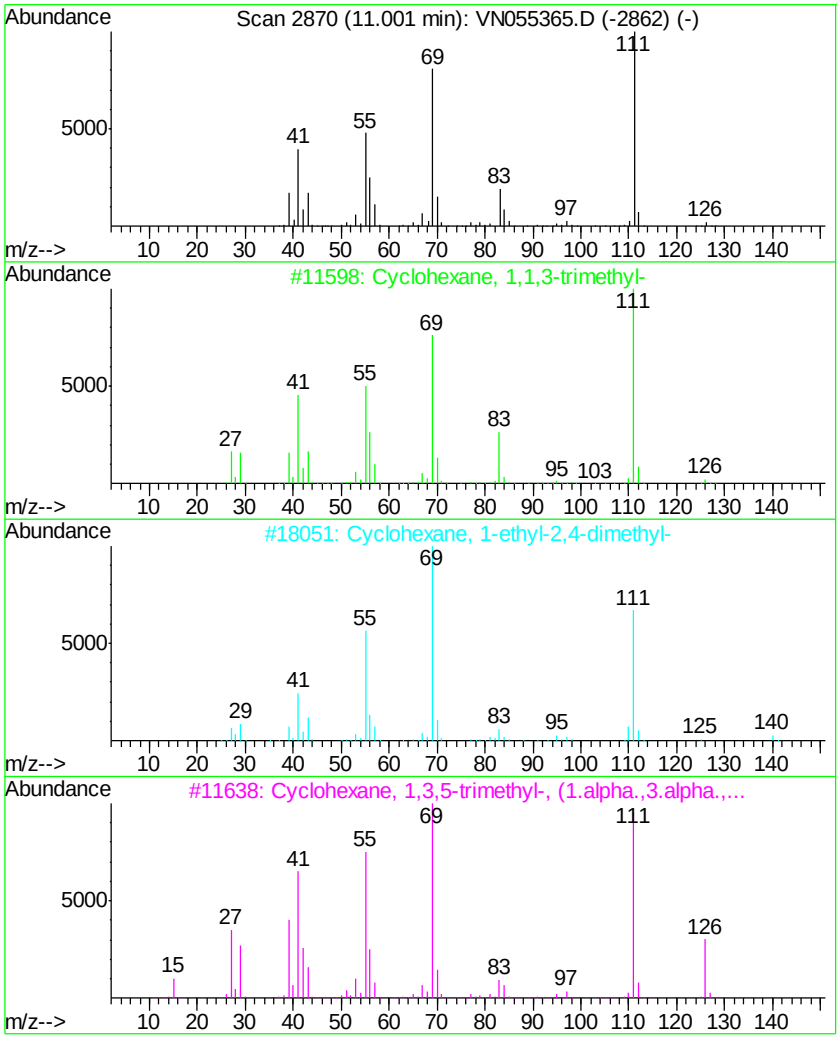
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

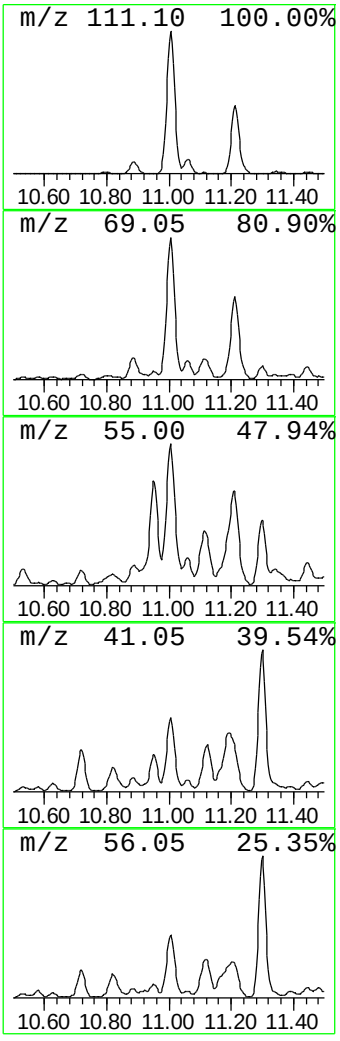
**********

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.00 | 110.51 ug/l | 4268940 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 94 |
| 2 | Cyclohexane, 1-ethyl-2,4-dimethyl- | 140 | C10H20 | 061142-69-6 | 72 |
| 3 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-26-2 | 72 |
| 4 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 64 |
| 5 | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18 | 001795-27-3 | 64 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

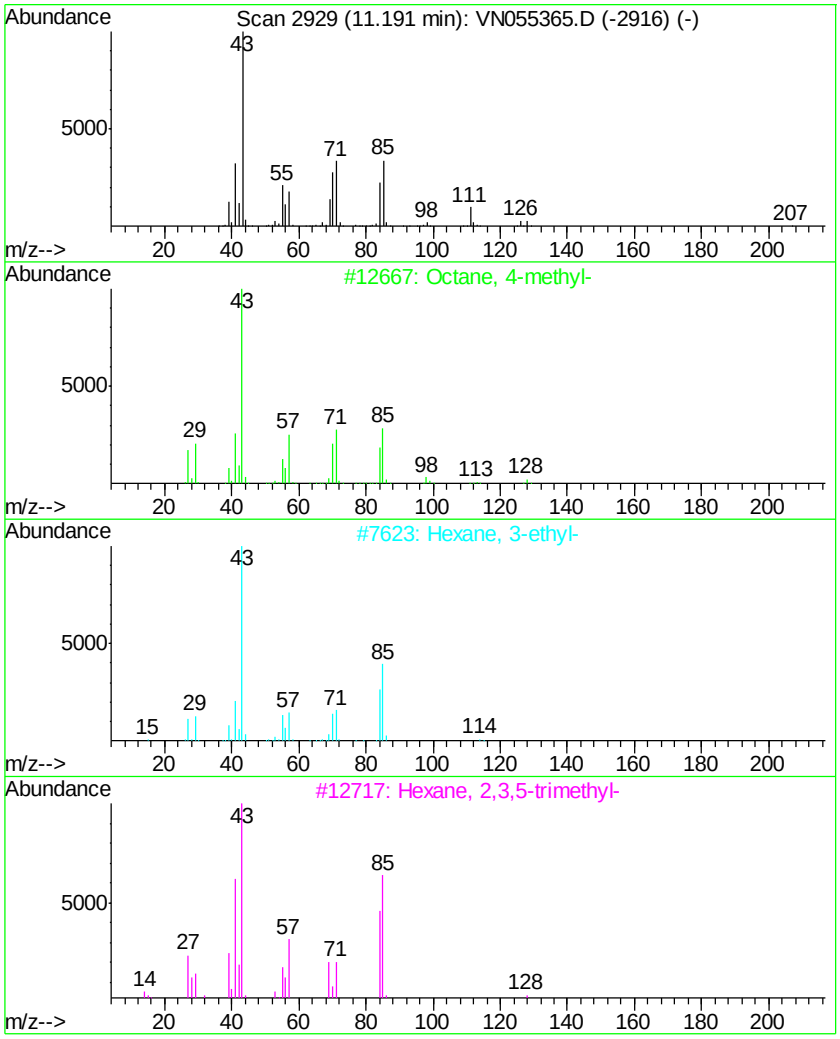
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

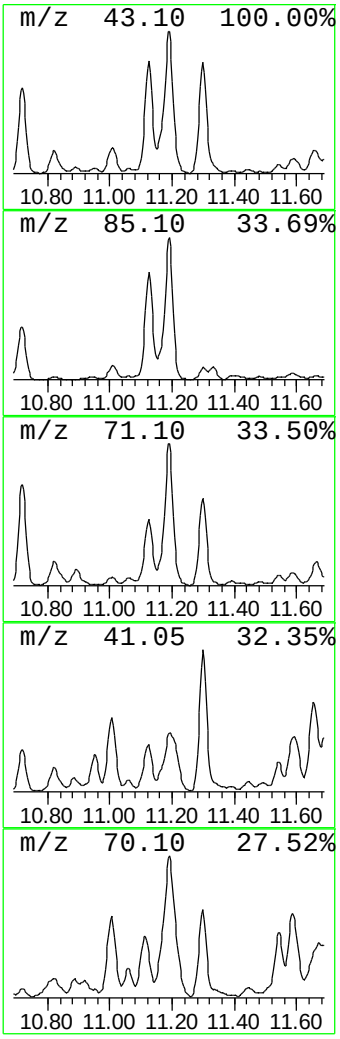
**********

Peak Number 2 Octane, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.19 | 163.22 ug/l | 6304980 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 81 |
| 2 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 72 |
| 3 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 64 |
| 4 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 64 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

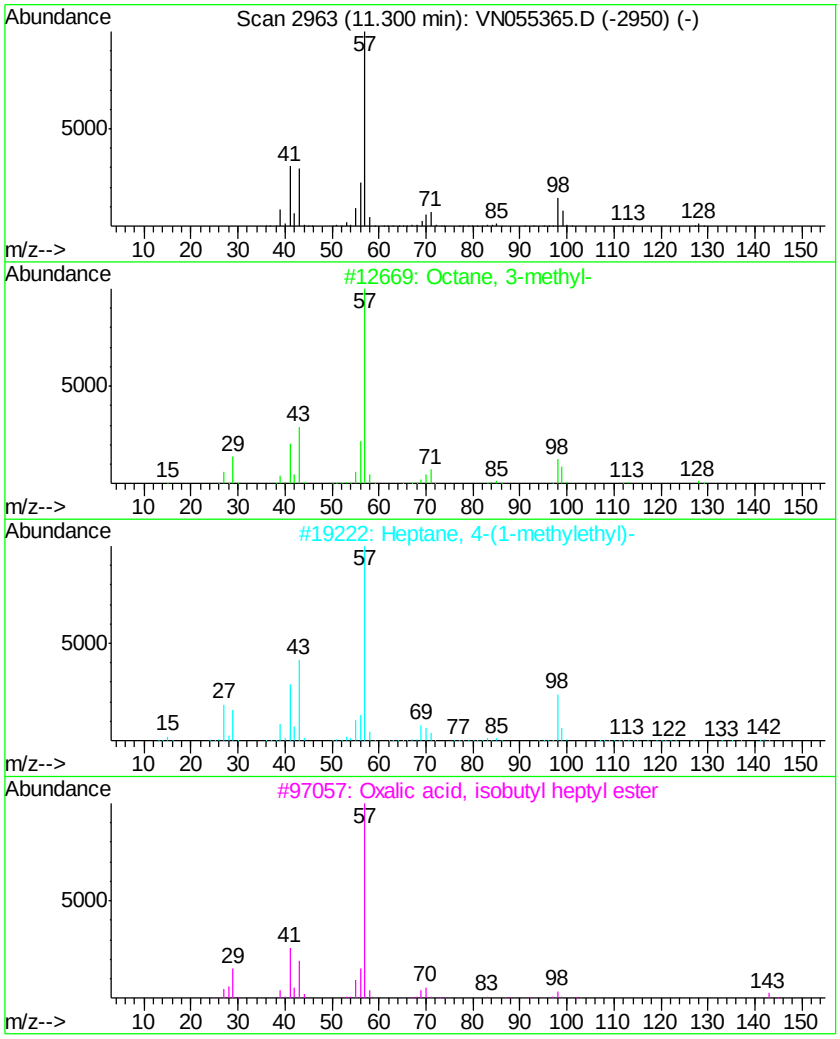
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

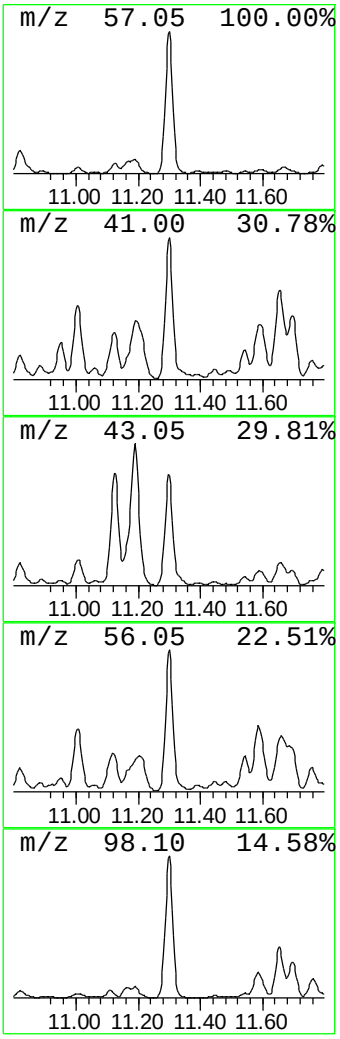
**********

Peak Number 3 Octane, 3-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.30 | 173.96 ug/l | 6719950 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 91 |
| 2 | Heptane, 4-(1-methylethyl)- | 142 | C10H22 | 052896-87-4 | 72 |
| 3 | Oxalic acid, isobutyl heptyl ester | 244 | C13H24O4 | 1000309-37-2 | 64 |
| 4 | Undecane, 6-methyl- | 170 | C12H26 | 017302-33-9 | 59 |
| 5 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 58 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

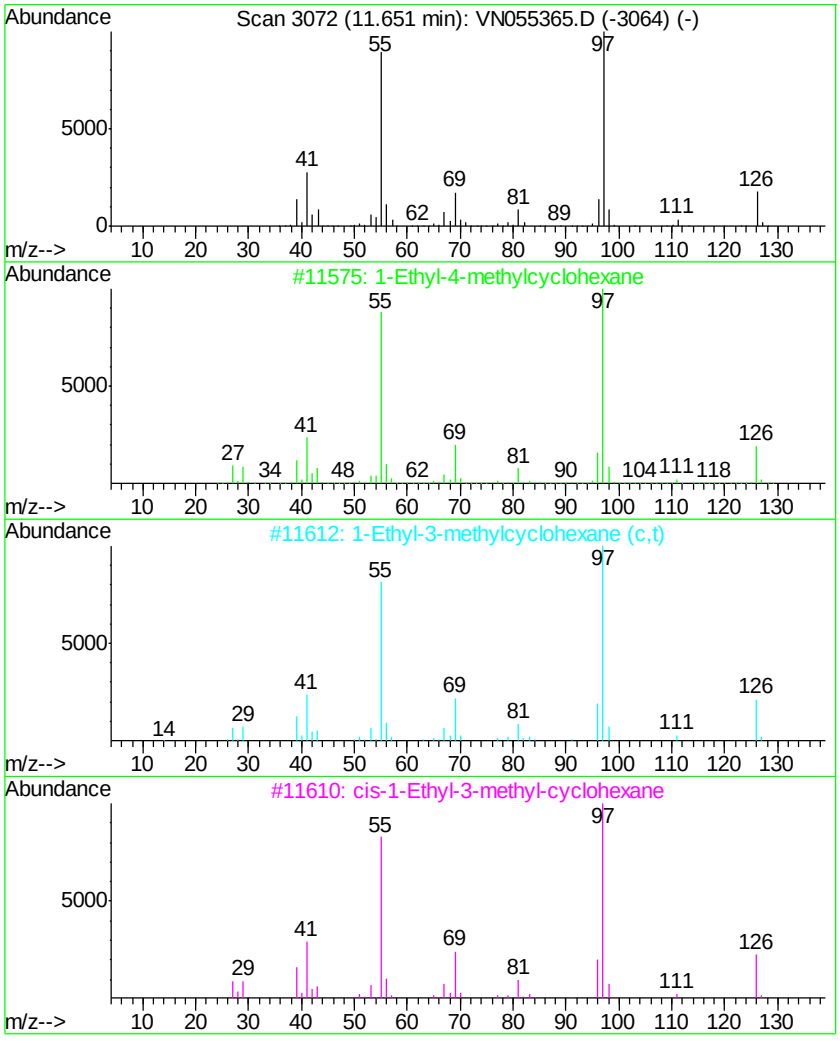
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

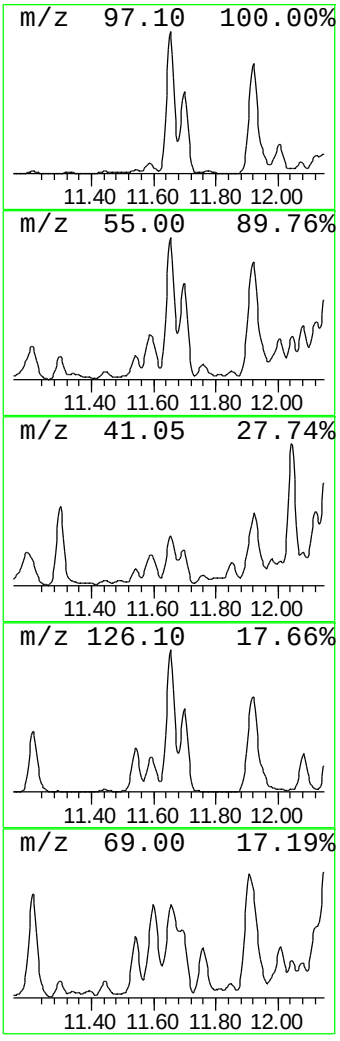
**********

Peak Number 4 1-Ethyl-4-methylcyclohexane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.65 | 158.09 ug/l | 6106810 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Ethyl-4-methylcyclohexane | 126 | C9H18 | 003728-56-1 | 95 |
| 2 | 1-Ethyl-3-methylcyclohexane (c,t) | 126 | C9H18 | 003728-55-0 | 90 |
| 3 | cis-1-Ethyl-3-methyl-cyclohexane | 126 | C9H18 | 019489-10-2 | 90 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 86 |
| 5 | 3,5-Dimethyl-3-heptene | 126 | C9H18 | 059643-68-4 | 74 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

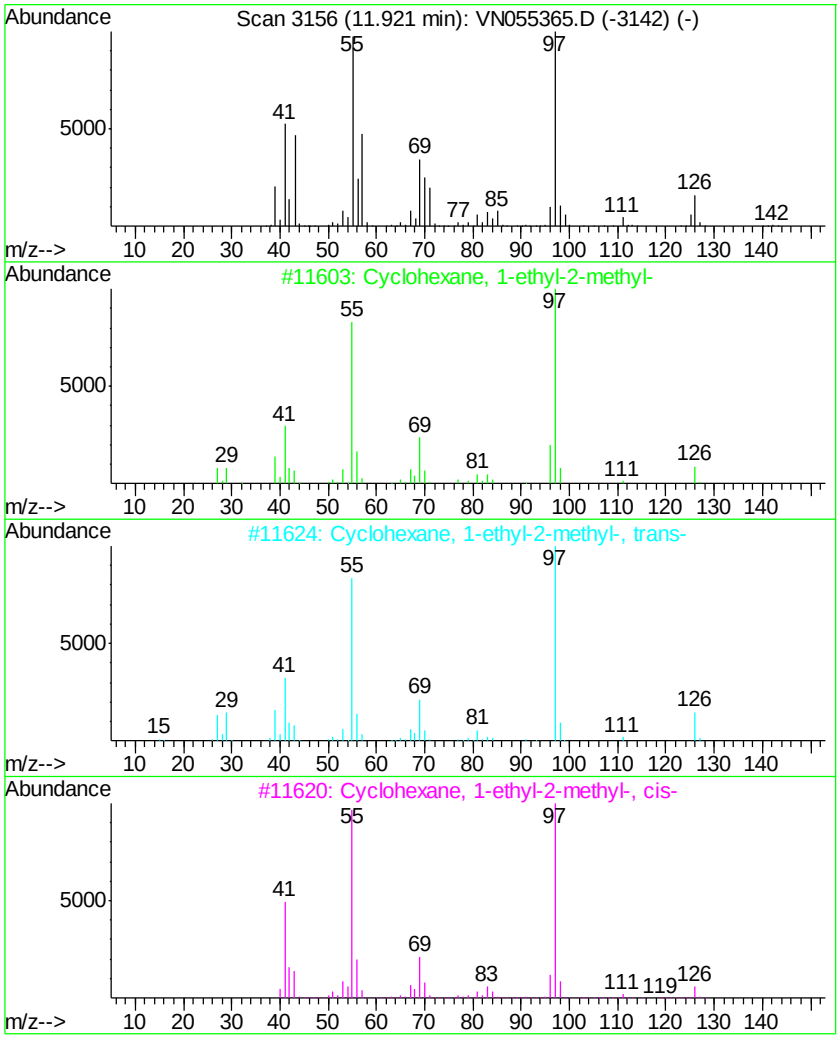
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

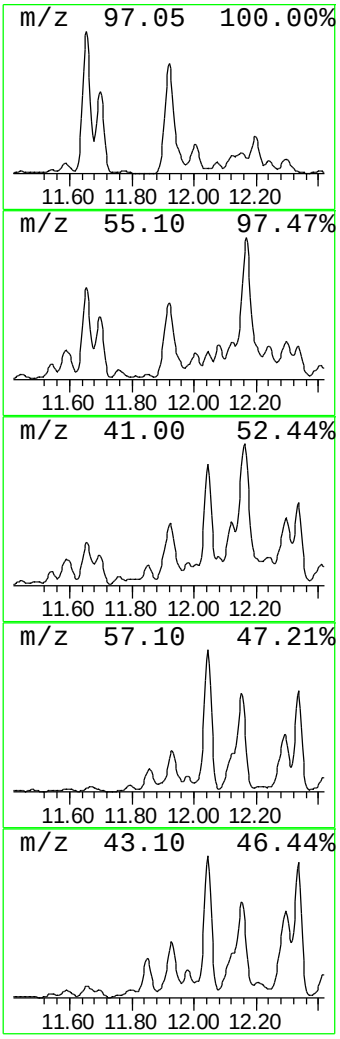
**********

Peak Number 5 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.92 | 262.51 ug/l | 10140700 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 64 |
| 2 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-78-8 | 58 |
| 3 | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18 | 004923-77-7 | 53 |
| 4 | 3,5-Dimethyl-3-heptene | 126 | C9H18 | 059643-68-4 | 52 |
| 5 | 2-Pyrazoline, 5-ethyl-1,4-dimethyl- | 126 | C7H14N2 | 014339-23-2 | 49 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

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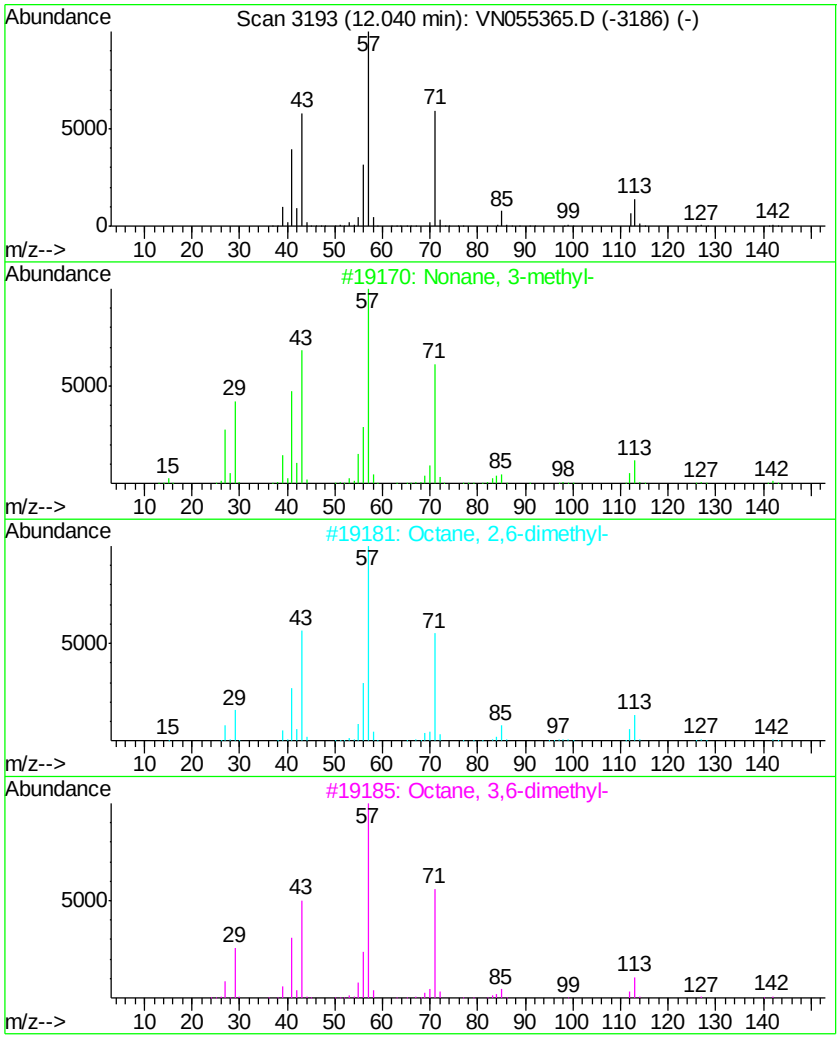
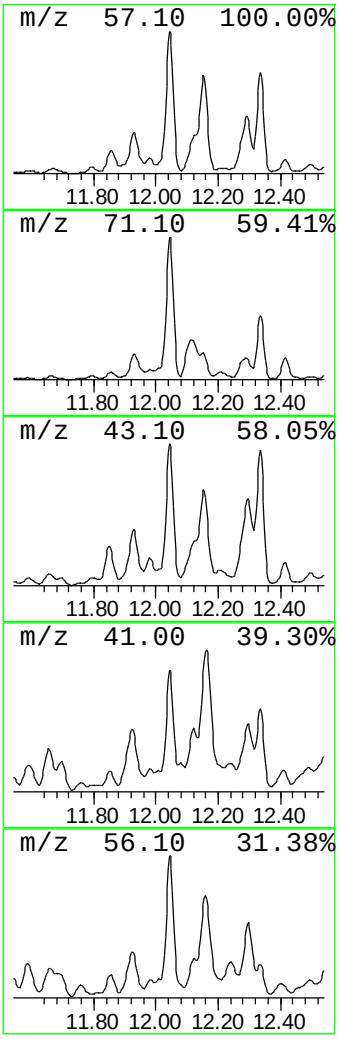
Peak Number 6 Nonane, 3-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.04 | 216.51 ug/l | 8363640 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 91 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 87 |
| 3 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 87 |
| 4 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 64 |
| 5 | Decane, 2,6,7-trimethyl- | 184 | C13H28 | 062108-25-2 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

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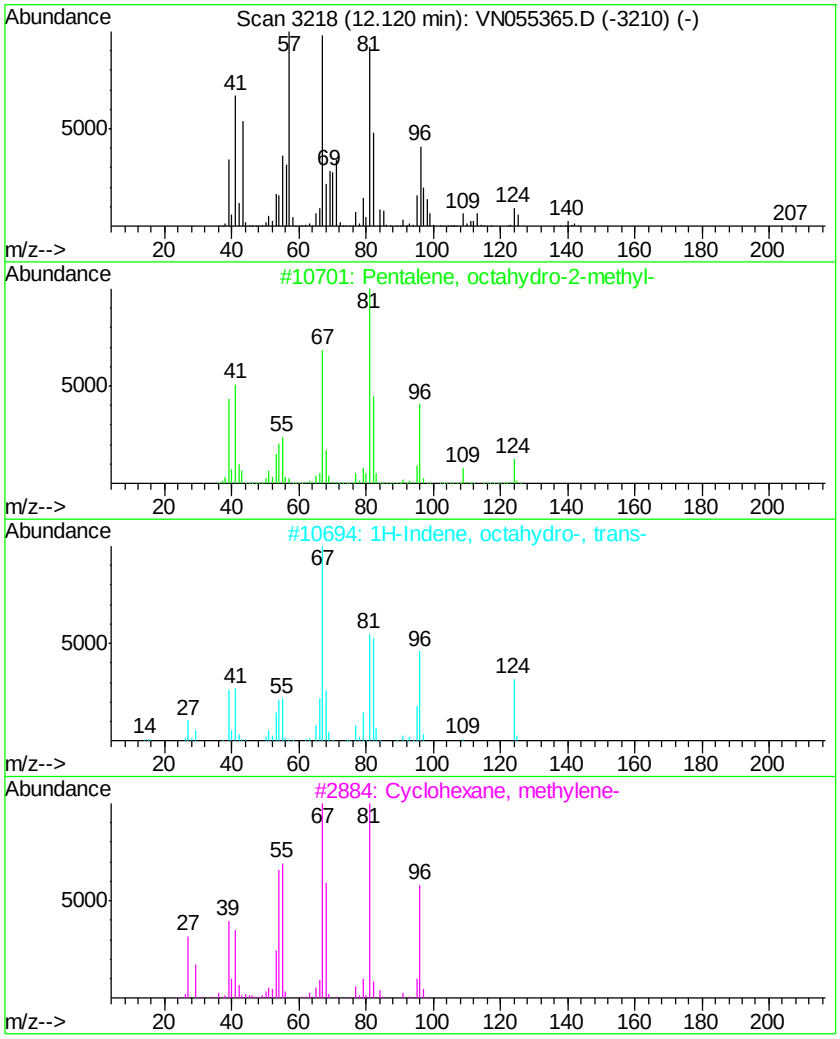
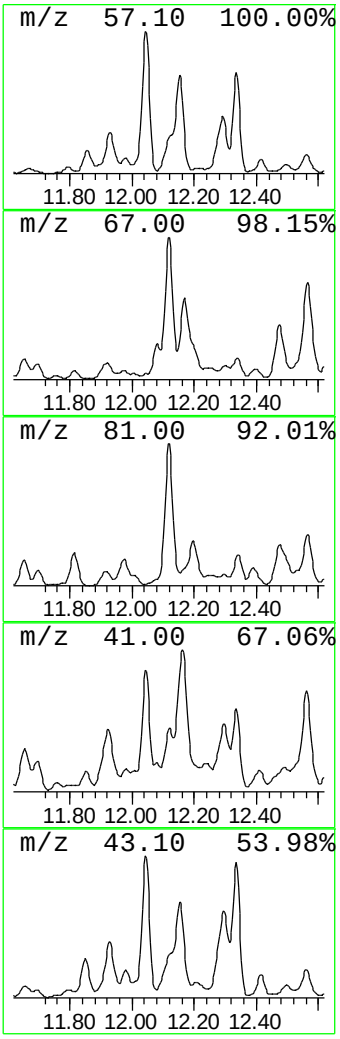
Peak Number 7 Pentalene, octahydro-2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.12 | 148.00 ug/l | 5717220 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 64 |
| 2 | 1H-Indene, octahydro-, trans- | 124 | C9H16 | 003296-50-2 | 49 |
| 3 | Cyclohexane, methylene- | 96 | C7H12 | 001192-37-6 | 49 |
| 4 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 49 |
| 5 | 7-Methyl-8-oxabicyclo[4.3.0]nonane | 140 | C9H16O | 1000216-87-6 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

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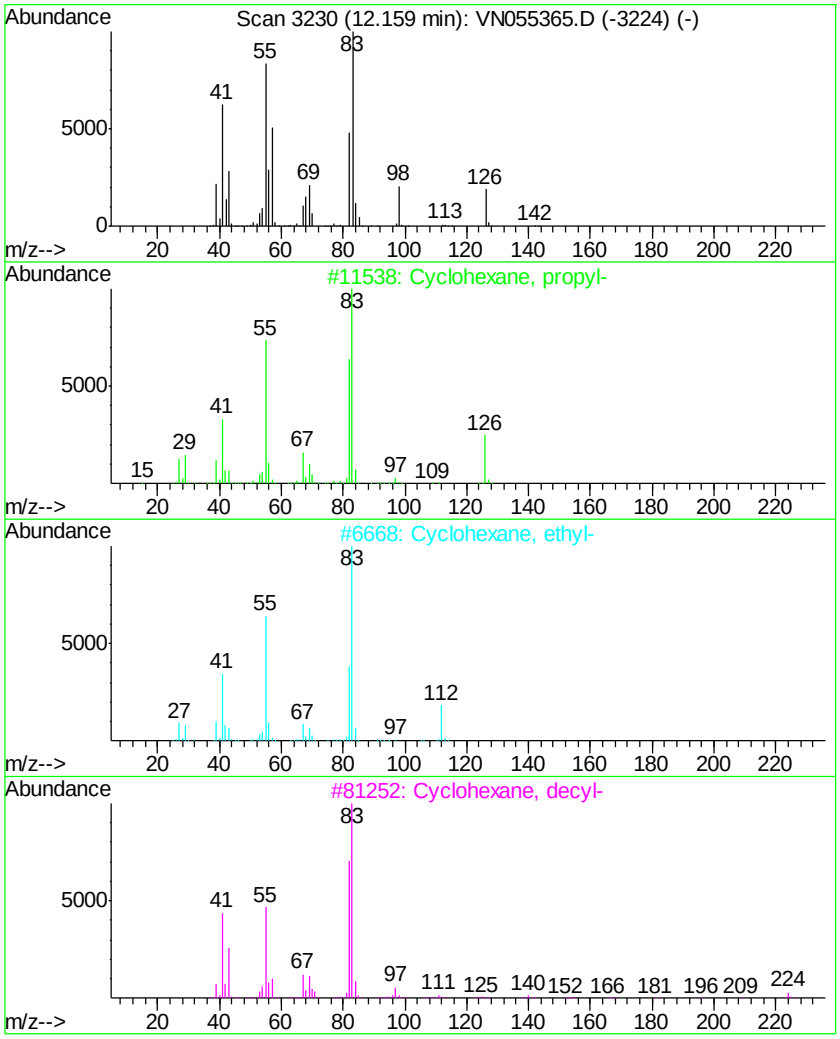
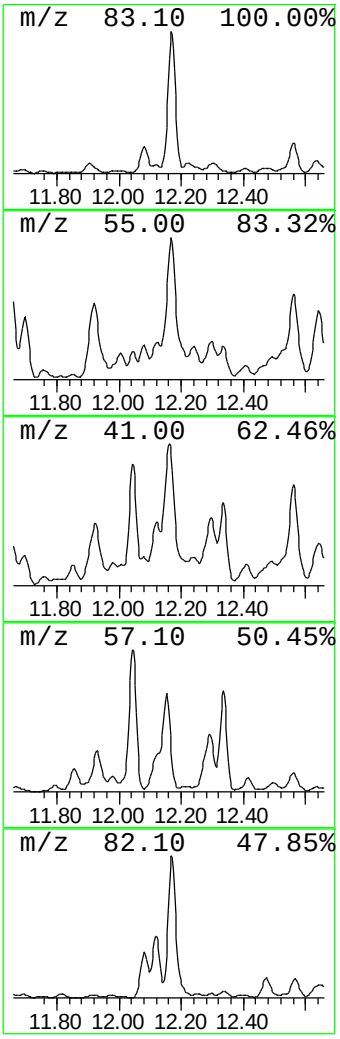
Peak Number 8 Cyclohexane, propyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.16 | 363.50 ug/l | 14041700 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 81 |
| 2 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 64 |
| 3 | Cyclohexane, decyl- | 224 | C16H32 | 001795-16-0 | 53 |
| 4 | Cycloheptanone, 4-methyl-, (R)- | 126 | C8H14O | 013609-59-1 | 52 |
| 5 | Oxalic acid, cyclohexyl dodecyl ... | 340 | C20H36O4 | 1000309-31-4 | 50 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

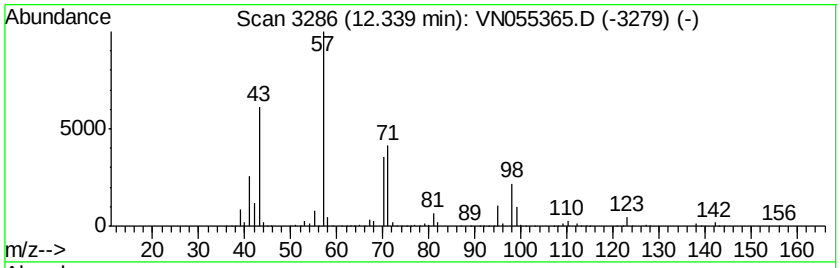
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

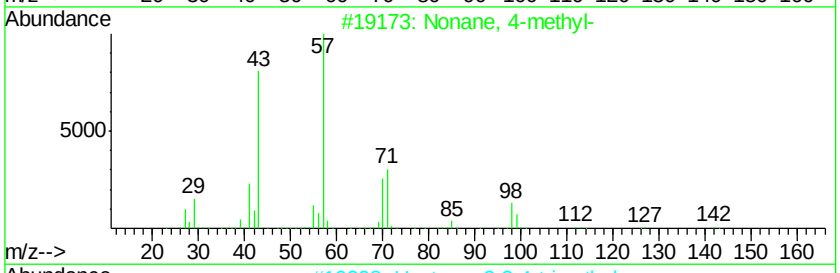
**********

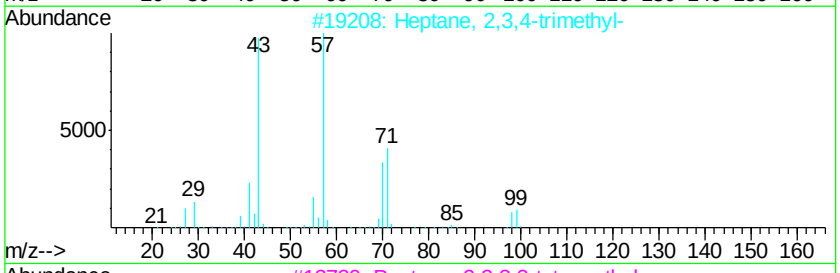
Peak Number 9 Nonane, 4-methyl- Concentration Rank 3

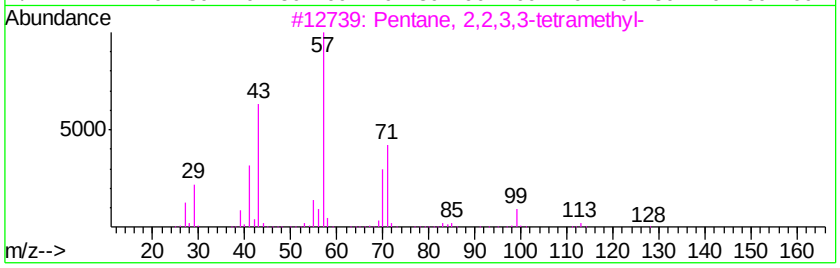
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.34 | 235.89 ug/l | 9112340 | Chlorobenzene-d5 | 11.41 |

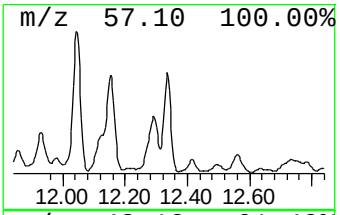
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 72 |
| 2 | Heptane, 2,3,4-trimethyl- | 142 | C10H22 | 052896-95-4 | 59 |
| 3 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 50 |
| 4 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 50 |
| 5 | Octane, 2,7-dimethyl- | 142 | C10H22 | 001072-16-8 | 47 |

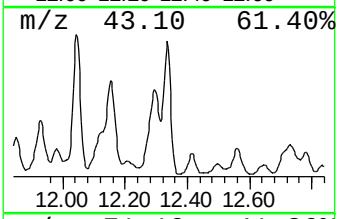


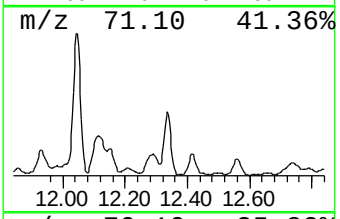



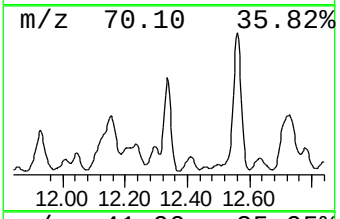



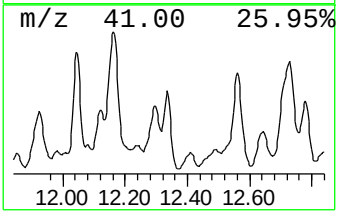



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
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Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
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**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

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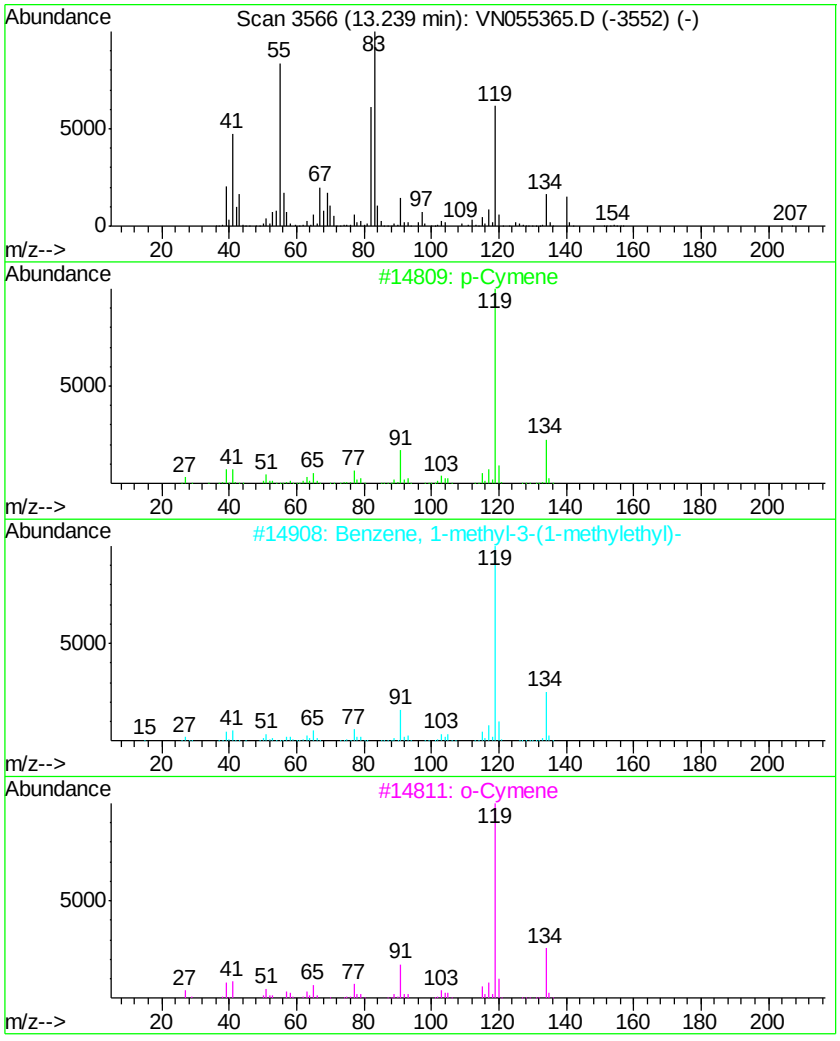
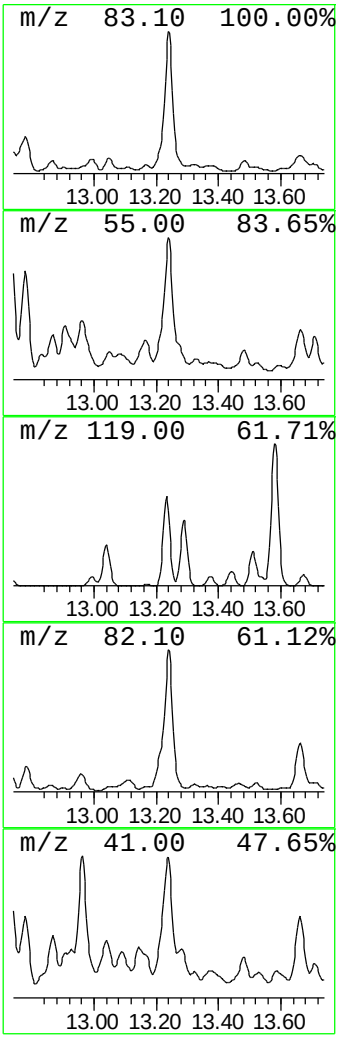
Peak Number 10 p-Cymene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.24 | 154.50 ug/l | 17943100 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 78 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 74 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 70 |
| 4 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 60 |
| 5 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 55 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055365.D
Acq On : 2 May 2019 22:37
Operator : JC/SP
Sample : K2658-01 10X
Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EP1-SB-W2(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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, 1,1,... | 11.00 | 110.5 | ug/l | 4268940 | 3 | 11.41 | 1931490 | 50.0 |
| Octane, 4-methyl- | 11.19 | 163.2 | ug/l | 6304980 | 3 | 11.41 | 1931490 | 50.0 |
| Octane, 3-methyl- | 11.30 | 174.0 | ug/l | 6719950 | 3 | 11.41 | 1931490 | 50.0 |
| 1-Ethyl-4-methylc... | 11.65 | 158.1 | ug/l | 6106810 | 3 | 11.41 | 1931490 | 50.0 |
| Cyclohexane, 1-et... | 11.92 | 262.5 | ug/l | 10140700 | 3 | 11.41 | 1931490 | 50.0 |
| Nonane, 3-methyl- | 12.04 | 216.5 | ug/l | 8363640 | 3 | 11.41 | 1931490 | 50.0 |
| Pentalene, octahy... | 12.12 | 148.0 | ug/l | 5717220 | 3 | 11.41 | 1931490 | 50.0 |
| Cyclohexane, propyl- | 12.16 | 363.5 | ug/l | 14041700 | 3 | 11.41 | 1931490 | 50.0 |
| Nonane, 4-methyl- | 12.34 | 235.9 | ug/l | 9112340 | 3 | 11.41 | 1931490 | 50.0 |
| p-Cymene | 13.24 | 154.5 | ug/l | 17943100 | 4 | 13.35 | 5806770 | 50.0 |