LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

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\82N120221W.M
Title : SW846 8260

Signal : TIC: VN070249.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.036 | 1104 | 1136 | 1140 | rBV3 | 487465 | 1403781 | 1.78% | 0.134% |
| 2 | 5.581 | 1303 | 1339 | 1378 | rBV | 1143820 | 3978751 | 5.04% | 0.379% |
| 3 | 6.090 | 1500 | 1529 | 1559 | rBV3 | 636706 | 1997975 | 2.53% | 0.190% |
| 4 | 6.873 | 1790 | 1821 | 1846 | rBV6 | 228683 | 793934 | 1.01% | 0.076% |
| 5 | 7.026 | 1853 | 1878 | 1898 | rBV2 | 1561521 | 4686503 | 5.94% | 0.446% |
| 6 | 7.128 | 1899 | 1916 | 1937 | rVB2 | 1004129 | 2838830 | 3.60% | 0.270% |
| 7 | 7.833 | 2165 | 2179 | 2198 | rVB2 | 359583 | 962333 | 1.22% | 0.092% |
| 8 | 8.059 | 2223 | 2263 | 2286 | rBV4 | 6016992 | 19873310 | 25.18% | 1.892% |
| 9 | 8.163 | 2286 | 2302 | 2326 | rVB2 | 5089156 | 12901849 | 16.35% | 1.229% |
| 10 | 8.287 | 2327 | 2348 | 2366 | rBV | 7185312 | 16684218 | 21.14% | 1.589% |
| 11 | 8.434 | 2386 | 2403 | 2428 | rBV | 980702 | 2384136 | 3.02% | 0.227% |
| 12 | 8.609 | 2430 | 2468 | 2490 | rBV | 13519660 | 41979436 | 53.19% | 3.997% |
| 13 | 8.700 | 2491 | 2502 | 2524 | rVB2 | 1891475 | 4498564 | 5.70% | 0.428% |
| 14 | 8.818 | 2524 | 2546 | 2577 | rVB2 | 3222112 | 7202027 | 9.12% | 0.686% |
| 15 | 8.963 | 2578 | 2600 | 2627 | rBV4 | 4193035 | 11547137 | 14.63% | 1.100% |
| 16 | 9.121 | 2648 | 2659 | 2672 | rVB2 | 466923 | 890878 | 1.13% | 0.085% |
| 17 | 9.193 | 2672 | 2686 | 2695 | rBV | 761638 | 1538078 | 1.95% | 0.146% |
| 18 | 9.241 | 2697 | 2704 | 2748 | rVB3 | 635210 | 2088447 | 2.65% | 0.199% |
| 19 | 9.453 | 2749 | 2783 | 2794 | rBV2 | 11197788 | 28792950 | 36.48% | 2.742% |
| 20 | 9.507 | 2795 | 2803 | 2820 | rVV | 4745597 | 9047302 | 11.46% | 0.862% |
| 21 | 9.587 | 2820 | 2833 | 2841 | rVV | 1060826 | 2090719 | 2.65% | 0.199% |
| 22 | 9.636 | 2842 | 2851 | 2864 | rVV2 | 1806435 | 3415009 | 4.33% | 0.325% |
| 23 | 9.727 | 2864 | 2885 | 2902 | rVV3 | 2351208 | 5856372 | 7.42% | 0.558% |
| 24 | 9.877 | 2925 | 2941 | 2964 | rBV | 11634391 | 24800594 | 31.42% | 2.362% |
| 25 | 10.011 | 2966 | 2991 | 3004 | rBV | 15017427 | 33373056 | 42.28% | 3.178% |
| 26 | 10.076 | 3005 | 3015 | 3023 | rBV | 6859569 | 11947280 | 15.14% | 1.138% |
| 27 | 10.212 | 3046 | 3066 | 3093 | rBV2 | 10009025 | 24489248 | 31.03% | 2.332% |
| 28 | 10.317 | 3094 | 3105 | 3110 | rBV5 | 701742 | 1227086 | 1.55% | 0.117% |
| 29 | 10.365 | 3111 | 3123 | 3136 | rVB3 | 7079659 | 12904338 | 16.35% | 1.229% |
| 30 | 10.438 | 3136 | 3150 | 3175 | rBV3 | 9901234 | 23404753 | 29.65% | 2.229% |
| 31 | 10.558 | 3176 | 3195 | 3202 | rBV5 | 1989434 | 4623832 | 5.86% | 0.440% |
| 32 | 10.620 | 3203 | 3218 | 3233 | rVB4 | 8658082 | 19204349 | 24.33% | 1.829% |
| 33 | 10.682 | 3234 | 3241 | 3249 | rVB2 | 871286 | 1137535 | 1.44% | 0.108% |
| 34 | 10.725 | 3252 | 3257 | 3267 | rVB5 | 934699 | 1318509 | 1.67% | 0.126% |
| 35 | 10.781 | 3267 | 3278 | 3294 | rBV2 | 2986373 | 5893795 | 7.47% | 0.561% |
| 36 | 10.864 | 3295 | 3309 | 3334 | rBV7 | 5471737 | 15545157 | 19.70% | 1.480% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

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\82N120221W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.961 | 3336 | 3345 | 3357 | rVB3 | 2220894 | 4000214 | 5.07% | 0.381% |
| 38 | 11.049 | 3358 | 3378 | 3390 | rBV2 | 2885431 | 6122062 | 7.76% | 0.583% |
| 39 | 11.151 | 3391 | 3416 | 3432 | rBV3 | 3406534 | 11089608 | 14.05% | 1.056% |
| 40 | 11.218 | 3433 | 3441 | 3447 | rBV6 | 1689752 | 2604174 | 3.30% | 0.248% |
| 41 | 11.291 | 3462 | 3468 | 3478 | rVB | 3114035 | 4325664 | 5.48% | 0.412% |
| 42 | 11.344 | 3479 | 3488 | 3500 | rVB | 4624805 | 7381214 | 9.35% | 0.703% |
| 43 | 11.451 | 3519 | 3528 | 3537 | rVB3 | 2651252 | 3931044 | 4.98% | 0.374% |
| 44 | 11.524 | 3545 | 3555 | 3581 | rVB5 | 7655803 | 21303396 | 26.99% | 2.029% |
| 45 | 11.626 | 3581 | 3593 | 3616 | rBV | 6710085 | 12739636 | 16.14% | 1.213% |
| 46 | 11.744 | 3627 | 3637 | 3650 | rVB2 | 5326486 | 8864259 | 11.23% | 0.844% |
| 47 | 12.251 | 3814 | 3826 | 3841 | rBV4 | 4196461 | 8822451 | 11.18% | 0.840% |
| 48 | 12.913 | 4059 | 4073 | 4086 | rVB3 | 5698984 | 14232698 | 18.03% | 1.355% |
| 49 | 13.283 | 4204 | 4211 | 4227 | rVB2 | 4383227 | 7088673 | 8.98% | 0.675% |
| 50 | 13.637 | 4339 | 4343 | 4348 | rBV2 | 1638392 | 1836873 | 2.33% | 0.175% |
| 51 | 13.672 | 4349 | 4356 | 4373 | rVB2 | 7590090 | 11385822 | 14.43% | 1.084% |
| 52 | 13.745 | 4376 | 4383 | 4397 | rVB3 | 4052929 | 6327050 | 8.02% | 0.602% |
| 53 | 13.836 | 4407 | 4417 | 4425 | rBV | 8901027 | 14318087 | 18.14% | 1.363% |
| 54 | 13.876 | 4426 | 4432 | 4441 | rVB | 6496954 | 8998004 | 11.40% | 0.857% |
| 55 | 13.938 | 4442 | 4455 | 4466 | rVB2 | 6691140 | 15014469 | 19.02% | 1.430% |
| 56 | 13.997 | 4467 | 4477 | 4487 | rBV5 | 7345907 | 12768185 | 16.18% | 1.216% |
| 57 | 14.217 | 4547 | 4559 | 4570 | rBV2 | 30404314 | 49553445 | 62.78% | 4.719% |
| 58 | 14.326 | 4590 | 4600 | 4613 | rVB2 | 20822202 | 35061794 | 44.42% | 3.339% |
| 59 | 14.538 | 4673 | 4679 | 4696 | rVB | 23376086 | 37833328 | 47.93% | 3.603% |
| 60 | 14.619 | 4699 | 4709 | 4718 | rBV2 | 12613613 | 18778830 | 23.79% | 1.788% |
| 61 | 14.809 | 4770 | 4780 | 4792 | rBV3 | 19941525 | 37666401 | 47.72% | 3.587% |
| 62 | 14.927 | 4808 | 4824 | 4834 | rBV3 | 34468786 | 78927271 | 100.00% | 7.516% |
| 63 | 15.193 | 4901 | 4923 | 4933 | rBV5 | 26971214 | 62423848 | 79.09% | 5.944% |
| 64 | 15.311 | 4956 | 4967 | 4986 | rVB3 | 22079861 | 49523346 | 62.75% | 4.716% |
| 65 | 15.466 | 5014 | 5025 | 5033 | rBV4 | 12934077 | 23751219 | 30.09% | 2.262% |
| 66 | 15.611 | 5070 | 5079 | 5089 | rVB3 | 8714507 | 13900865 | 17.61% | 1.324% |
| 67 | 15.804 | 5137 | 5151 | 5167 | rBV | 15623178 | 34191718 | 43.32% | 3.256% |
| 68 | 16.614 | 5440 | 5453 | 5484 | rVB2 | 23414537 | 58059857 | 73.56% | 5.529% |

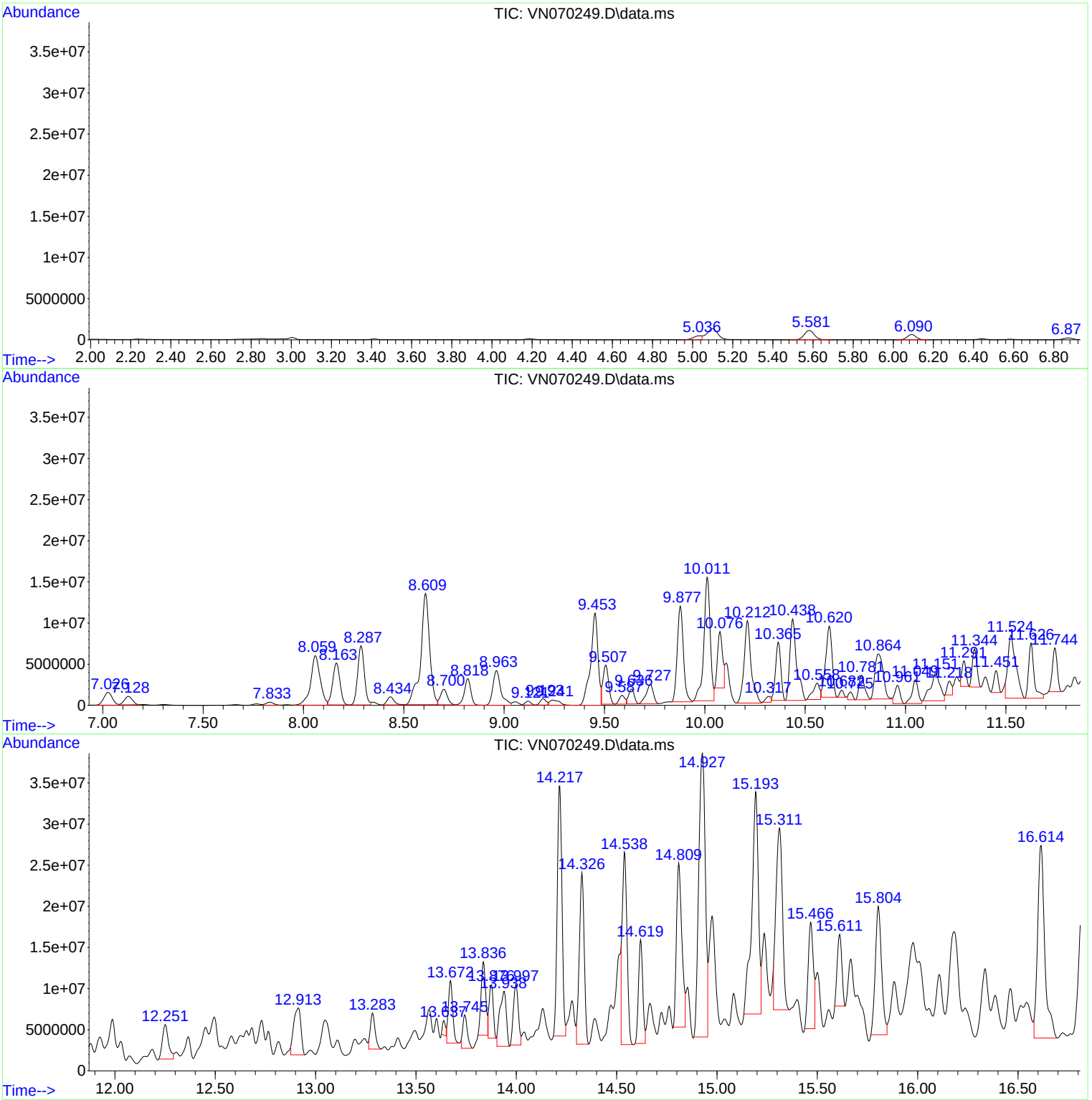
Sum of corrected areas: 1050147576

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

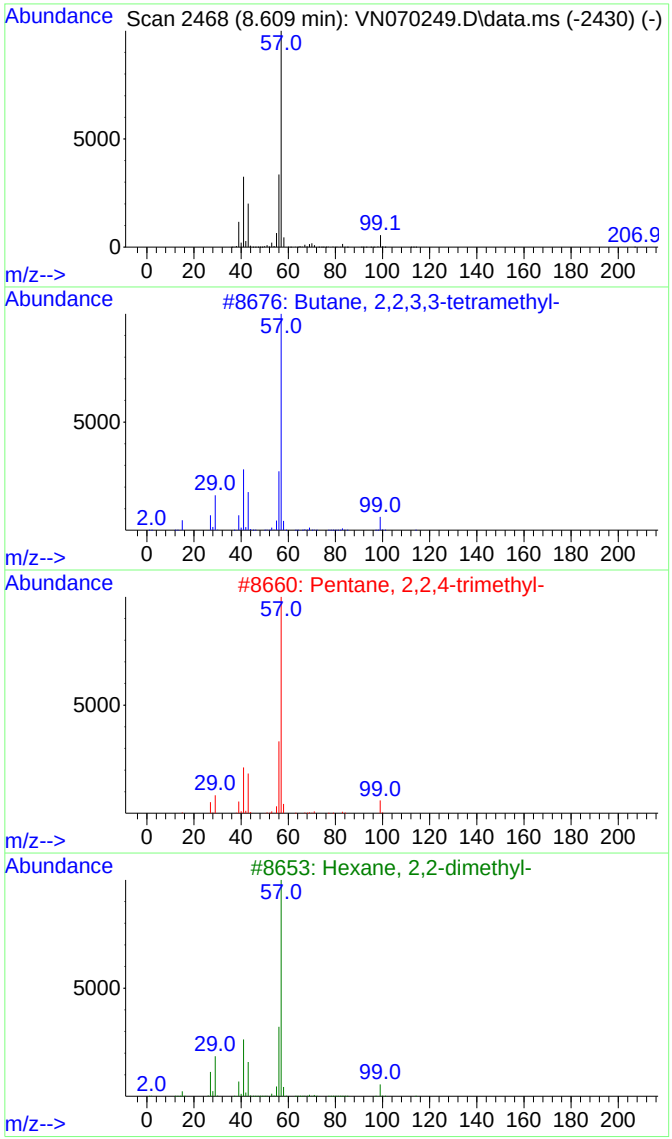
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

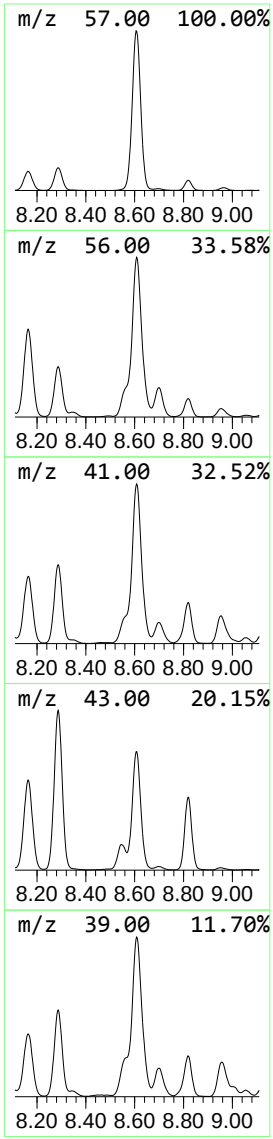
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.609 | 181.77 ug/l | 41979400 | 1,4-Difluorobenzene | 8.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 72 |
| 2 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 72 |
| 3 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 59 |
| 4 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 59 |
| 5 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

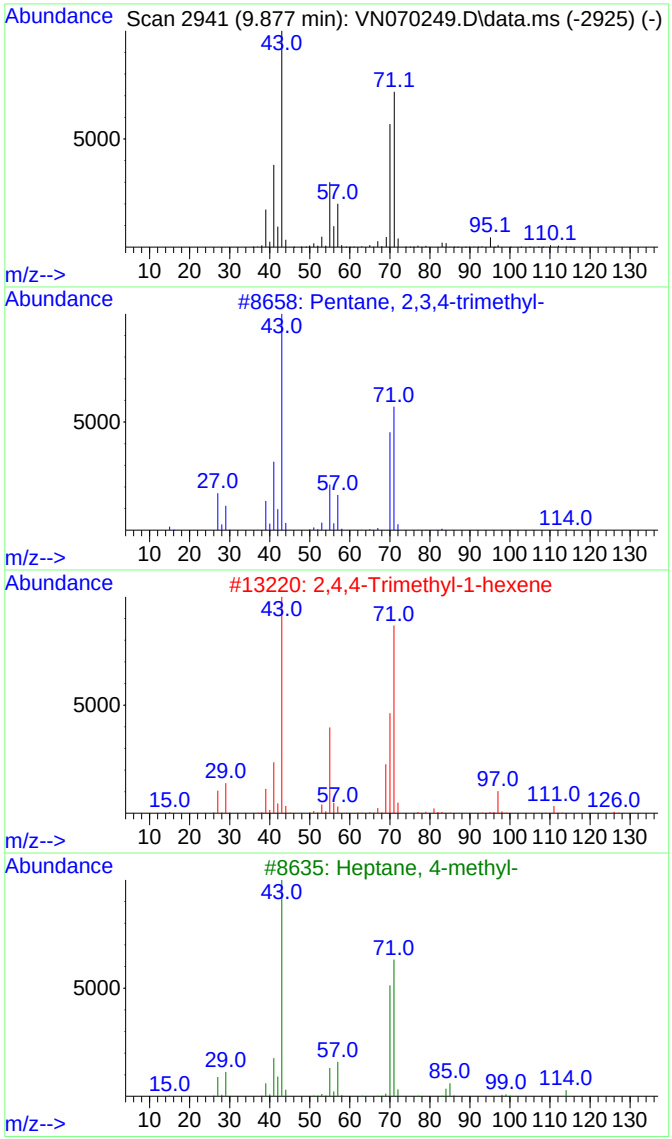
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

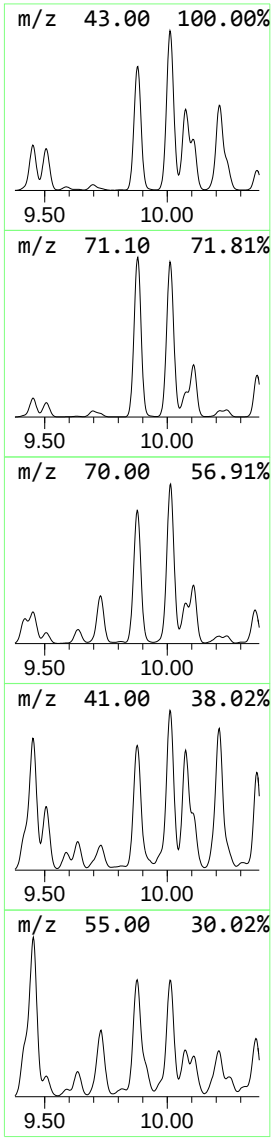
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.877 | 107.39 ug/l | 24800600 | 1,4-Difluorobenzene | 8.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 80 |
| 2 | 2,4,4-Trimethyl-1-hexene | 126 | C9H18 | 051174-12-0 | 78 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 72 |
| 4 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 72 |
| 5 | Hexane, 3,3,4-trimethyl- | 128 | C9H20 | 016747-31-2 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

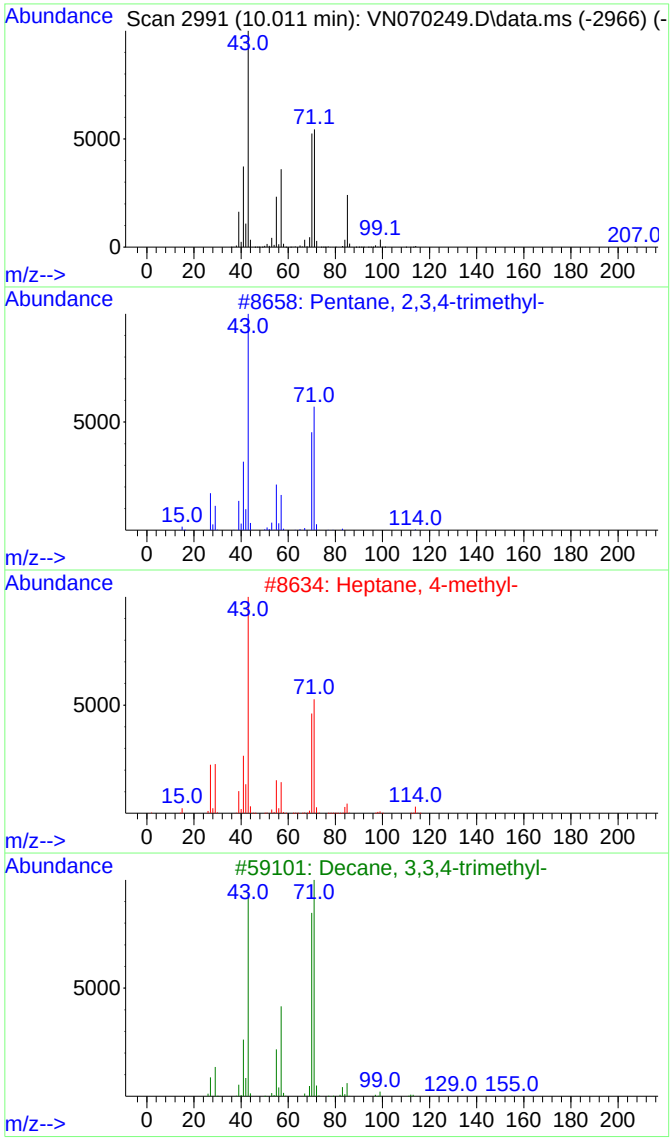
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

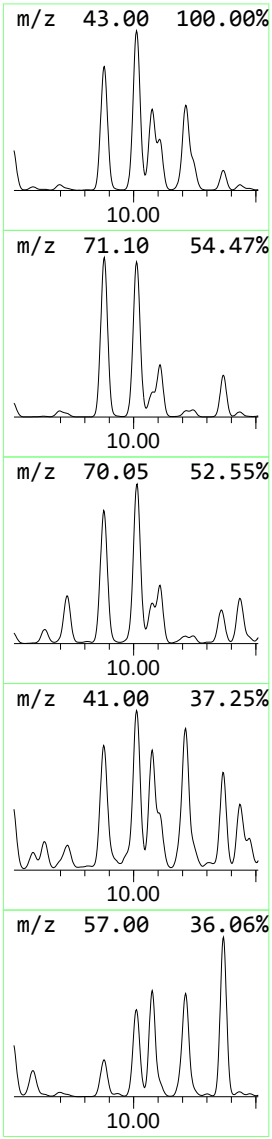
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Heptane, 4-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.011 | 144.51 ug/l | 33373100 | 1,4-Difluorobenzene | 8.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 76 |
| 2 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 64 |
| 3 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 59 |
| 4 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 59 |
| 5 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

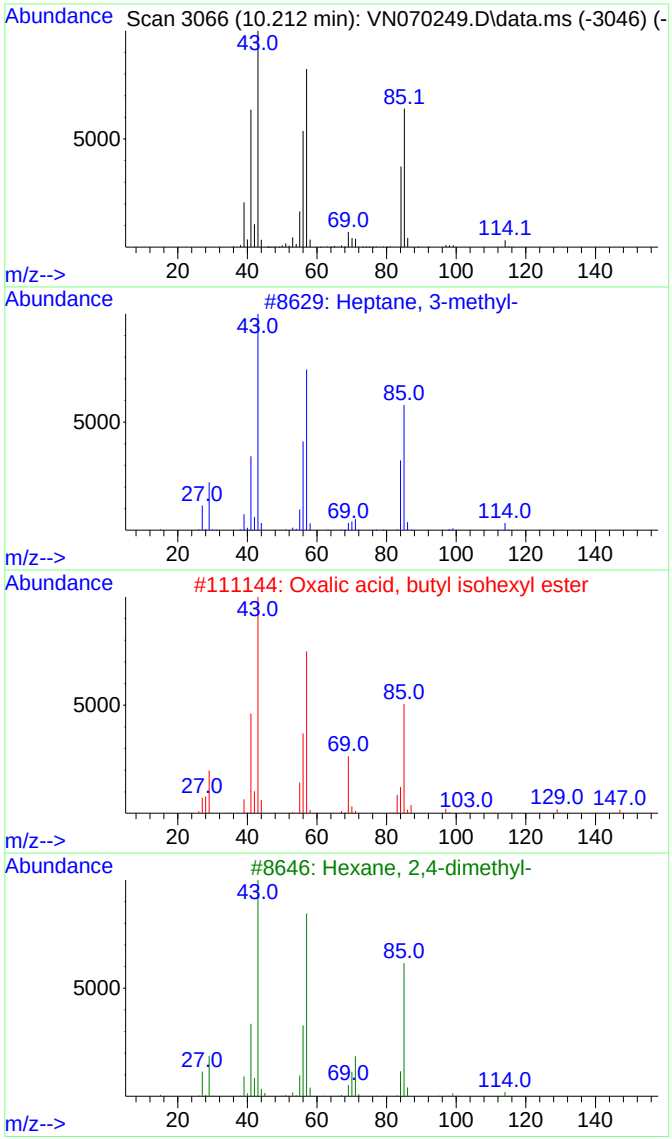
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

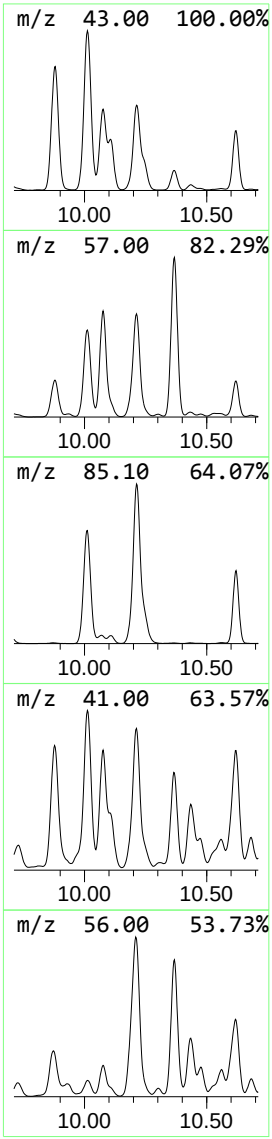
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Heptane, 3-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.212 | 106.04 ug/l | 24489200 | 1,4-Difluorobenzene | 8.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 91 |
| 2 | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 78 |
| 3 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 64 |
| 4 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 59 |
| 5 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

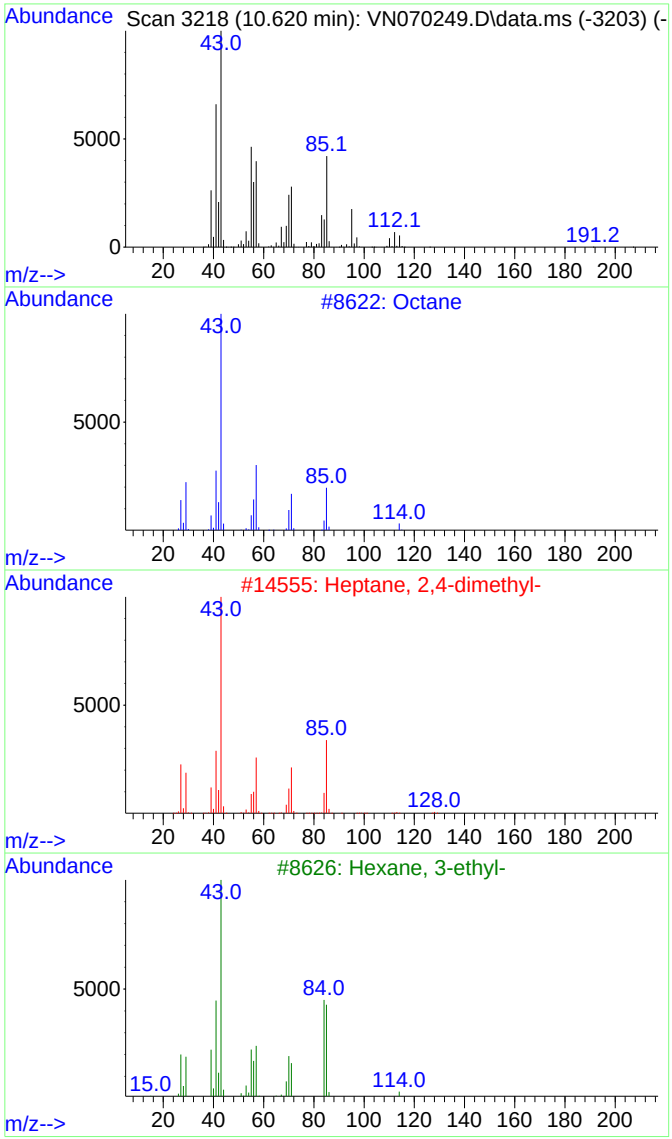
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

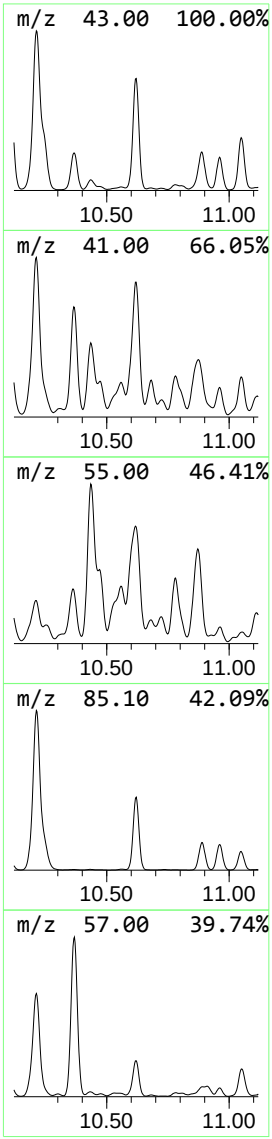
**********

Peak Number 5 Octane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.620 | 108.33 ug/l | 19204300 | Chlorobenzene-d5 | 11.746 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 72 |
| 2 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 47 |
| 3 | Hexane, 3-ethyl- | 114 | C8H18 | 000619-99-8 | 46 |
| 4 | 1-Octene | 112 | C8H16 | 000111-66-0 | 43 |
| 5 | 3-Octene, (E)- | 112 | C8H16 | 014919-01-8 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

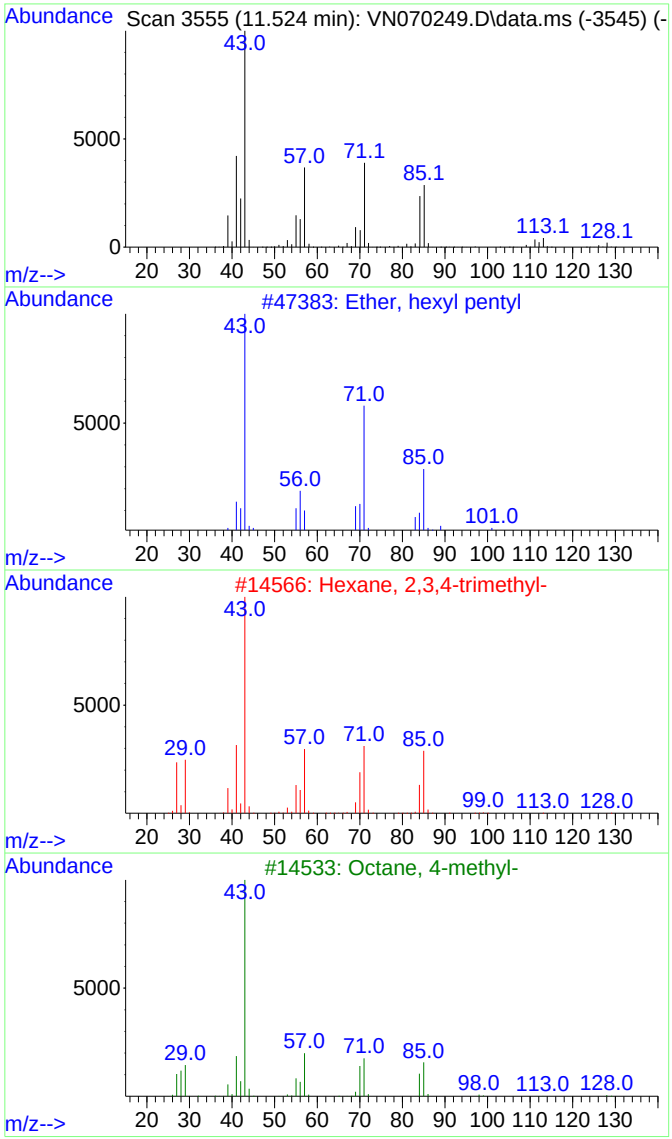
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

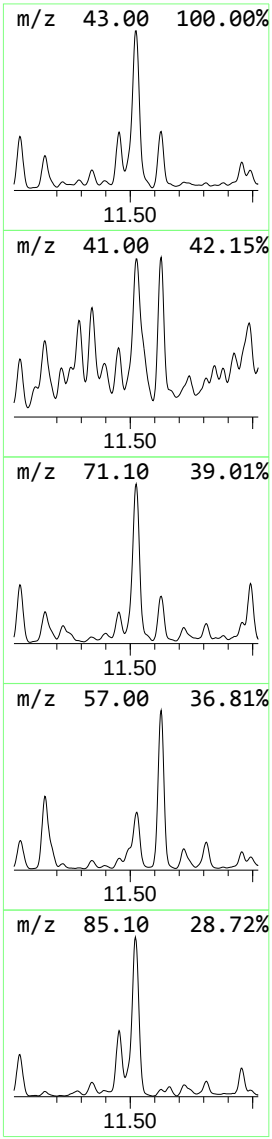
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Ether, hexyl pentyl Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.524 | 120.17 ug/l | 21303400 | Chlorobenzene-d5 | 11.746 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ether, hexyl pentyl | 172 | C11H24O | 032357-83-8 | 59 |
| 2 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 59 |
| 3 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 53 |
| 4 | 1-Butanol, 2-ethyl- | 102 | C6H14O | 000097-95-0 | 50 |
| 5 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

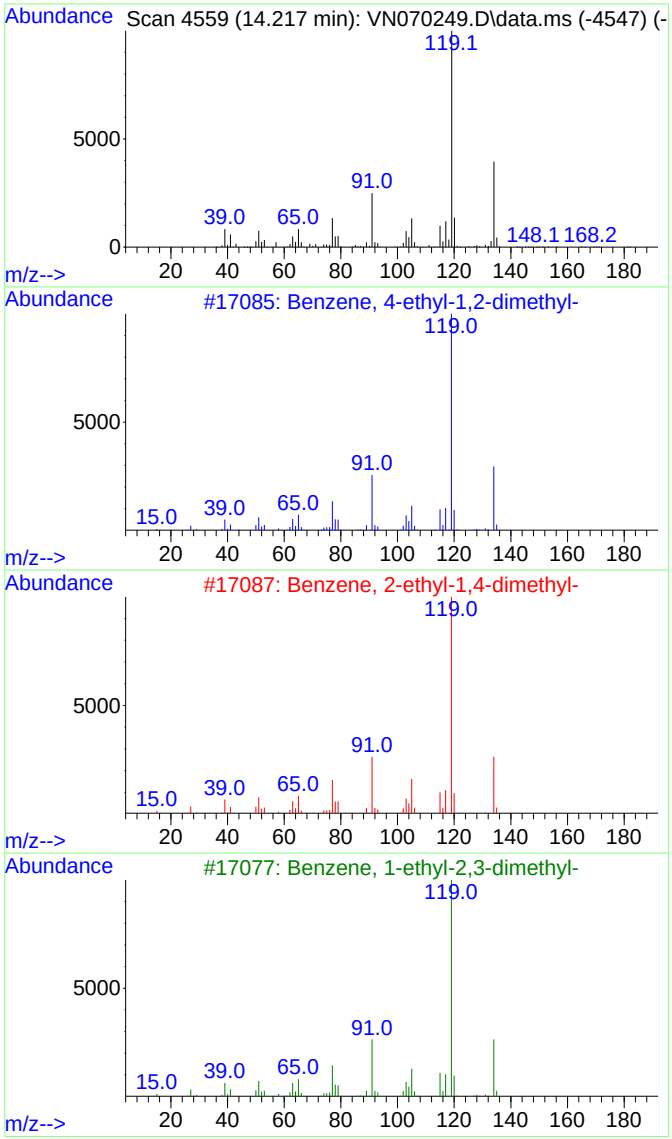
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

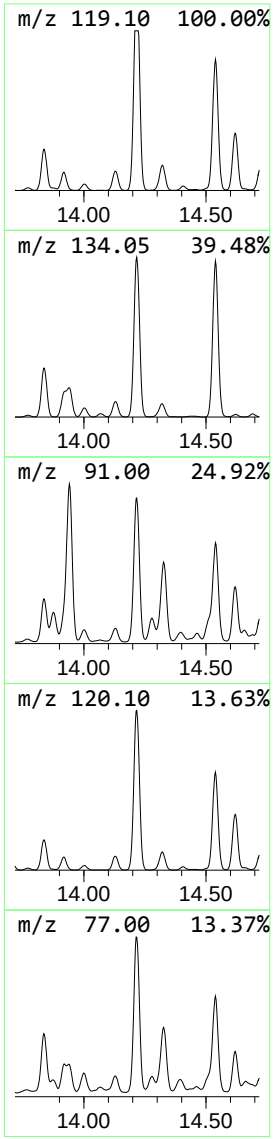
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.217 | 217.61 ug/l | 49553400 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 97 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

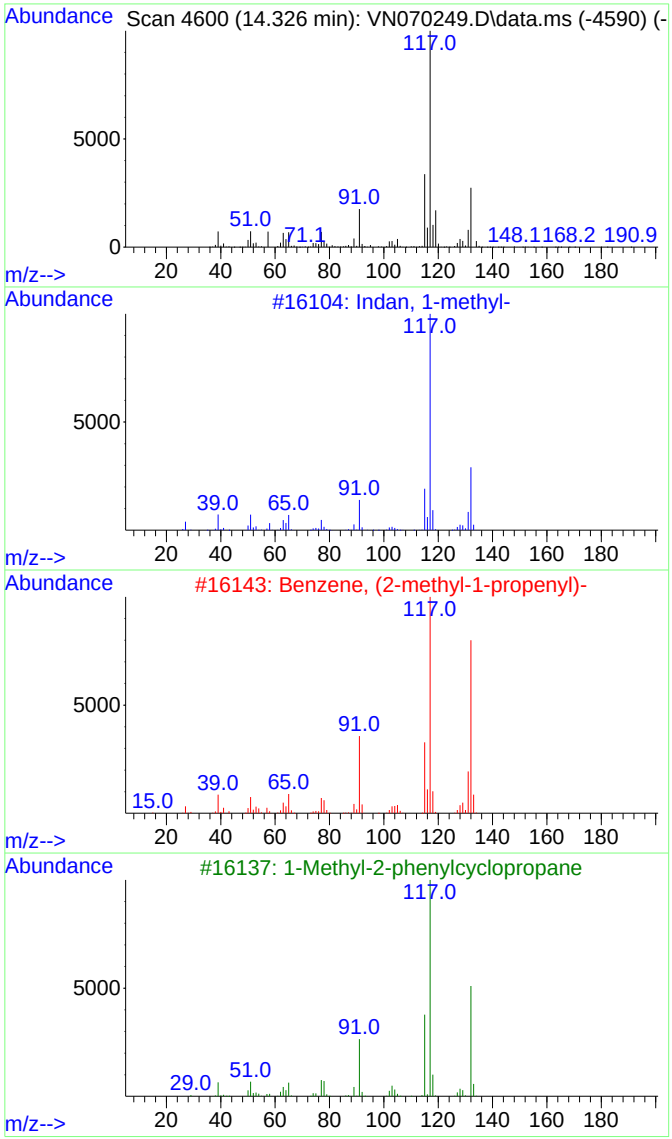
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

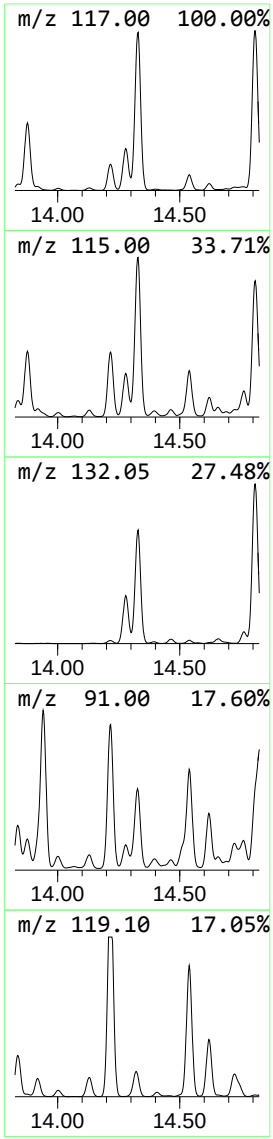
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Indan, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.326 | 153.97 ug/l | 35061800 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 87 |
| 3 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 81 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 81 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

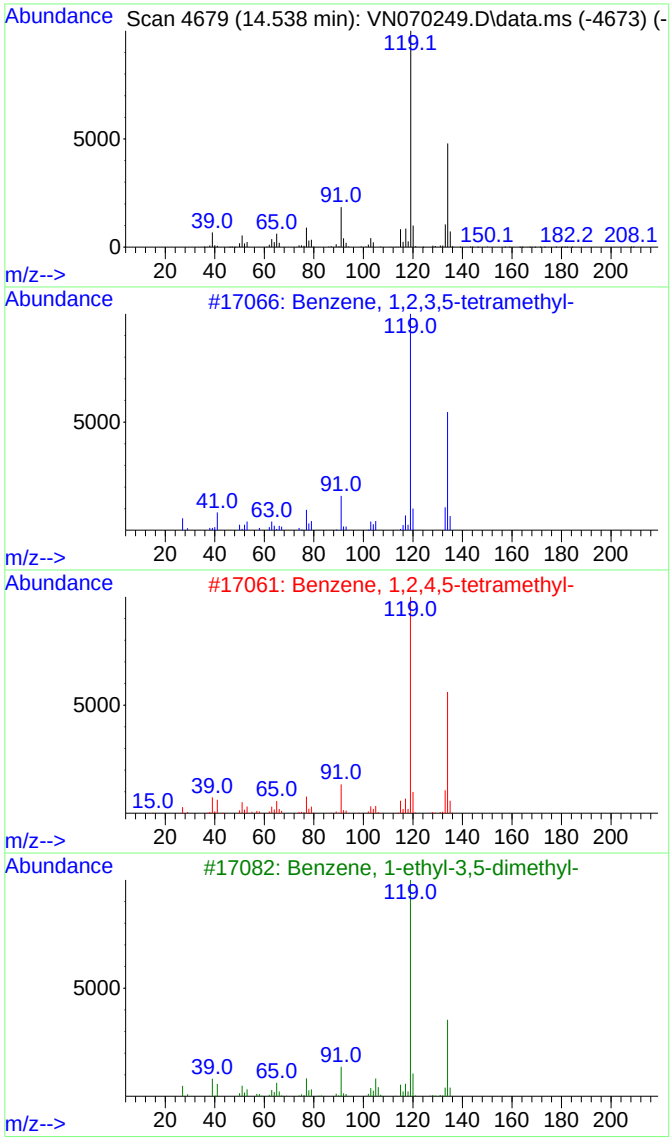
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

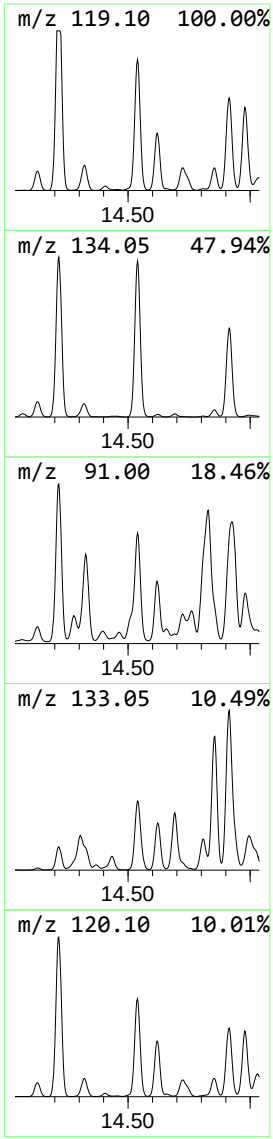
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.538 | 166.14 ug/l | 37833300 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 3 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 93 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

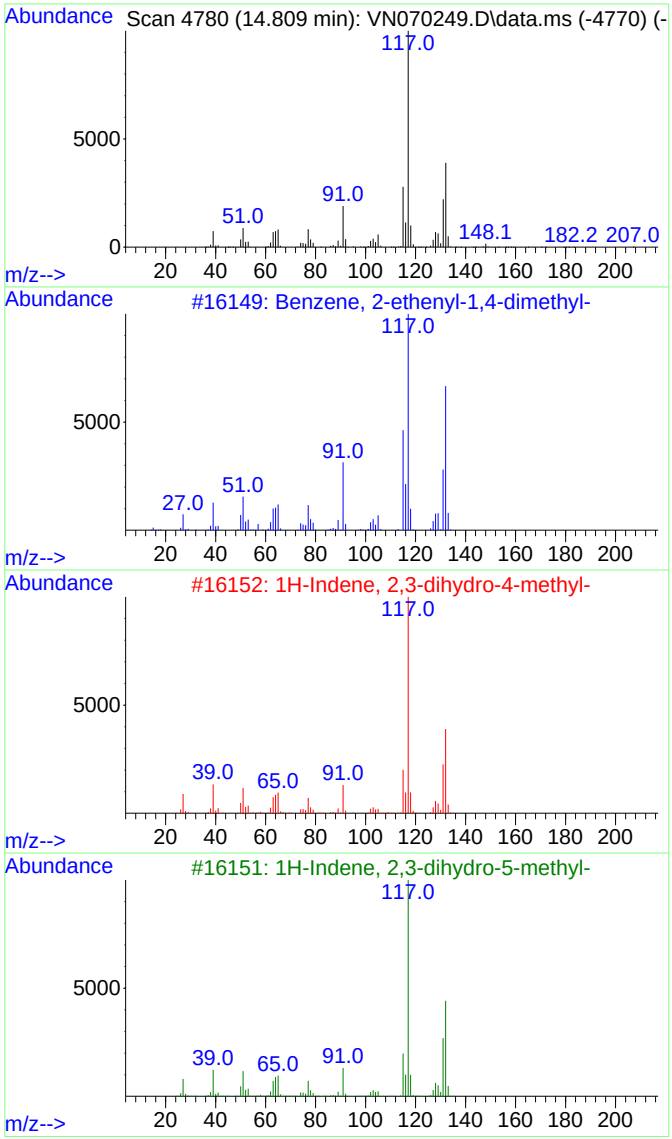
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

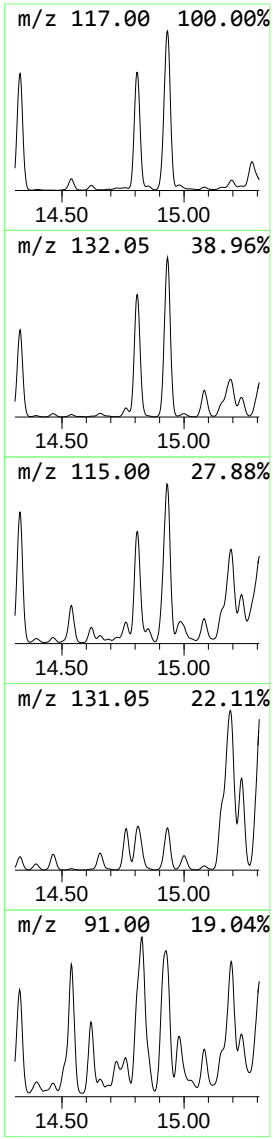
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.809 | 165.41 ug/l | 37666400 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 94 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 94 |
| 5 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

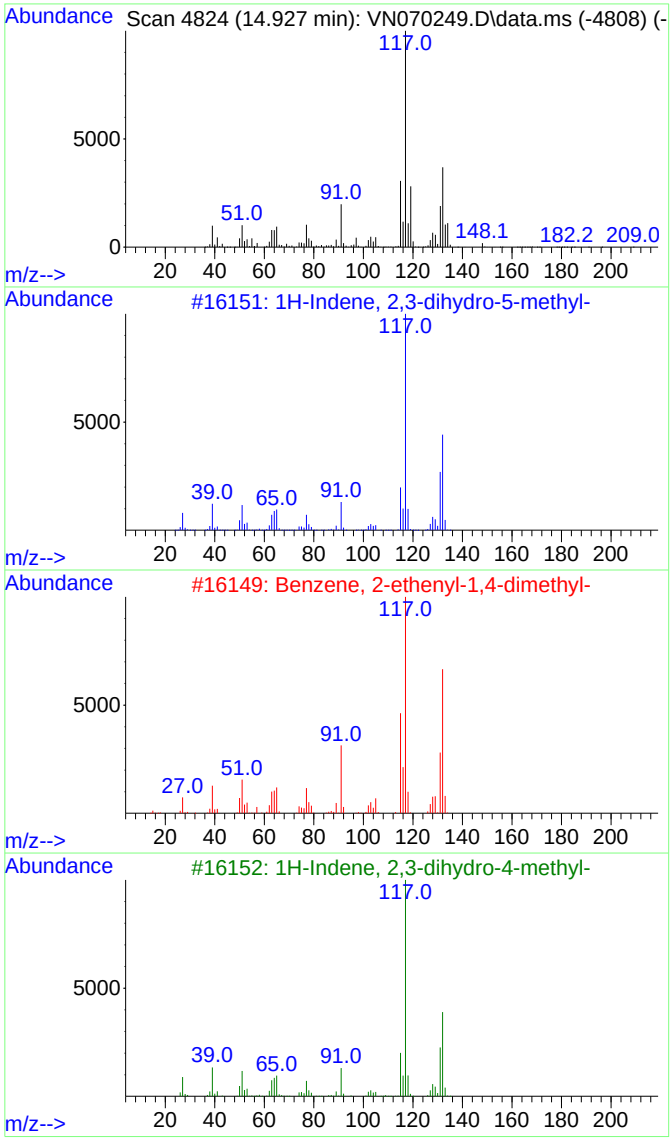
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

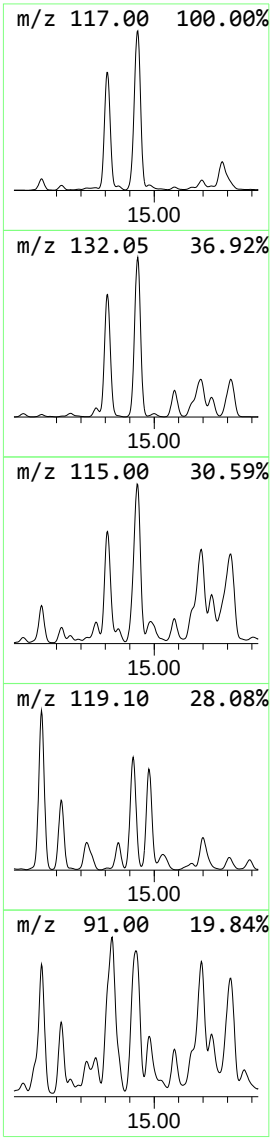
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.927 | 346.60 ug/l | 78927300 | 1,4-Dichlorobenzene-d4 | 13.675 |

| 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 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 81 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 81 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

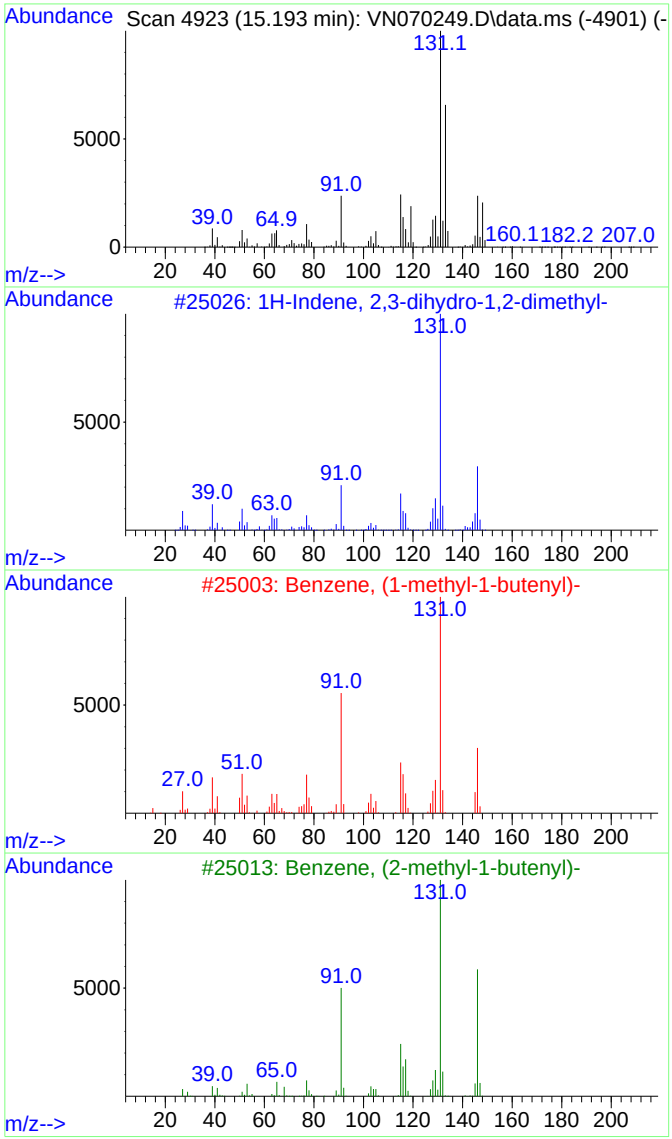
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

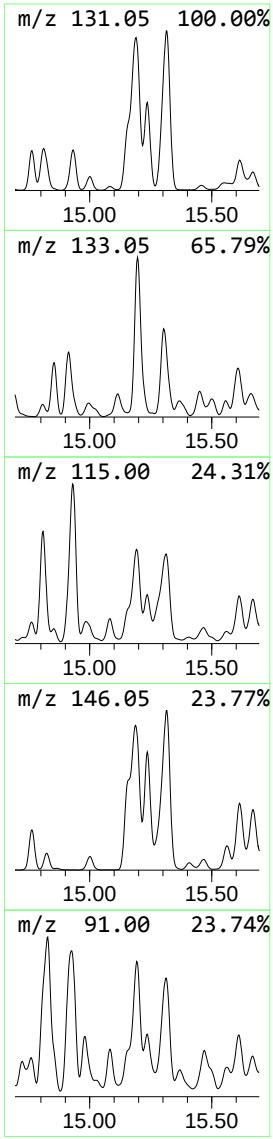
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.193 | 274.13 ug/l | 62423800 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 93 |
| 2 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 92 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 92 |
| 4 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 91 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

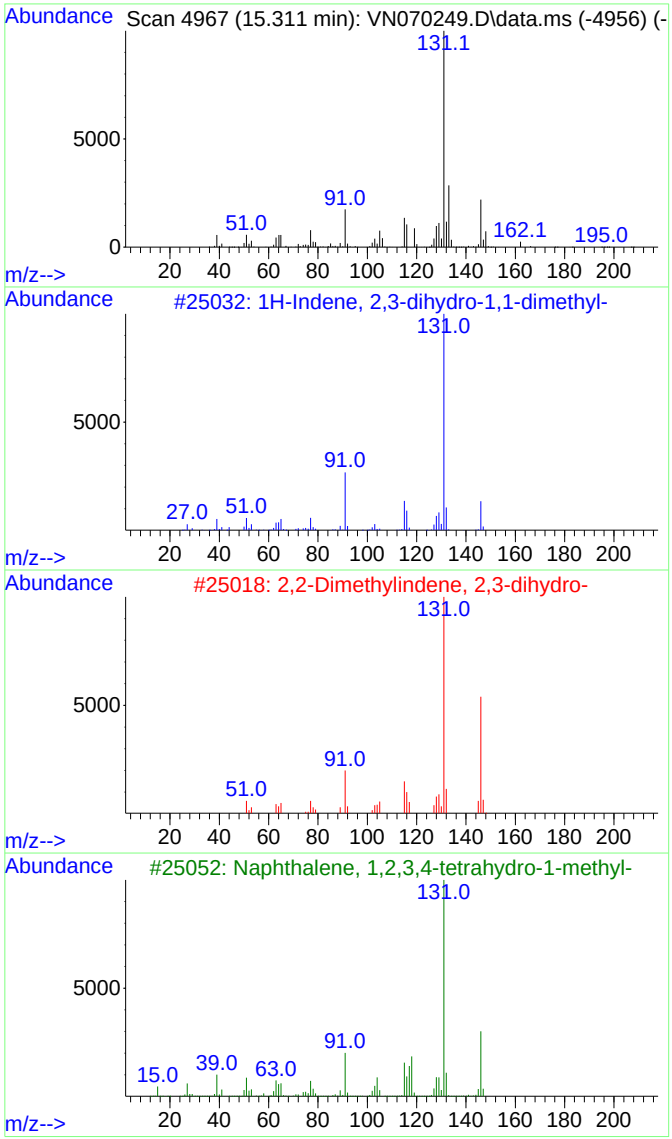
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

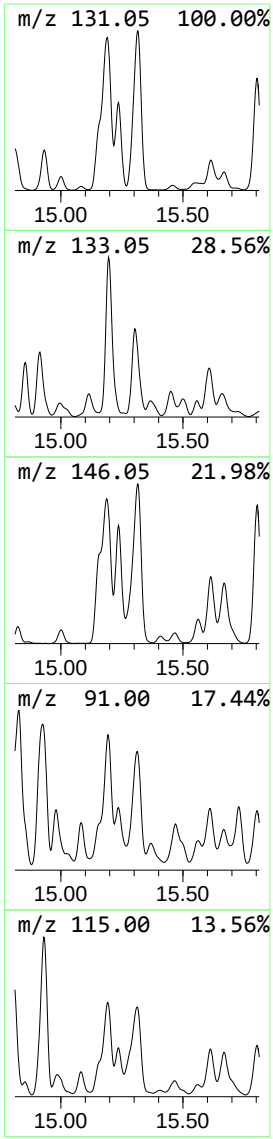
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.311 | 217.48 ug/l | 49523300 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 81 |
| 2 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 81 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 81 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 81 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

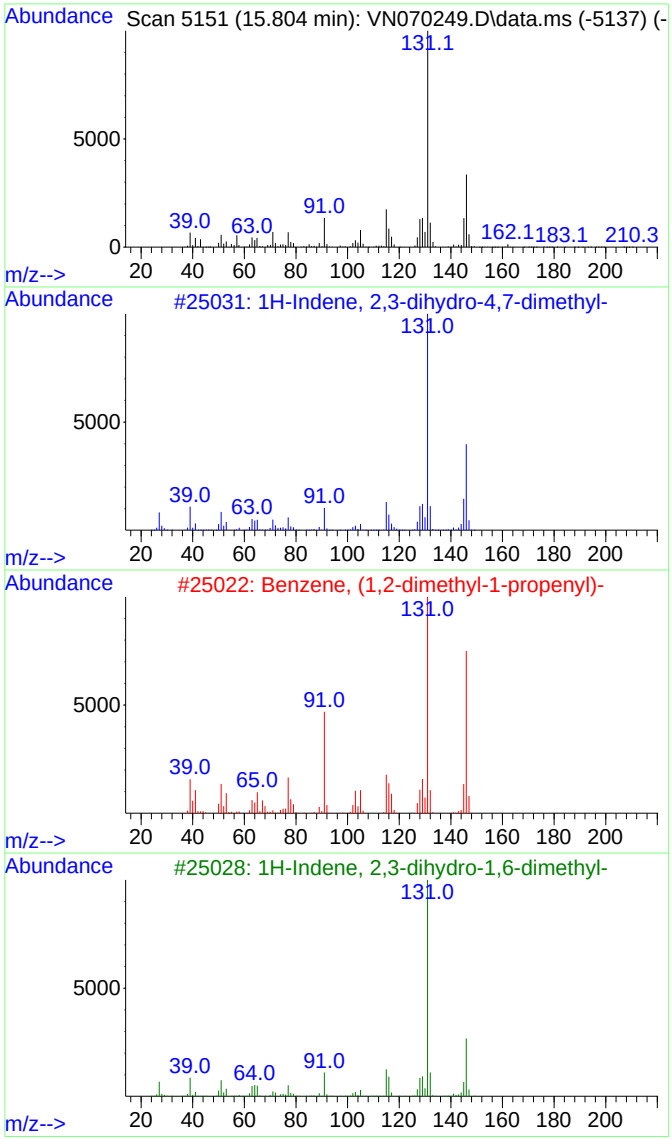
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

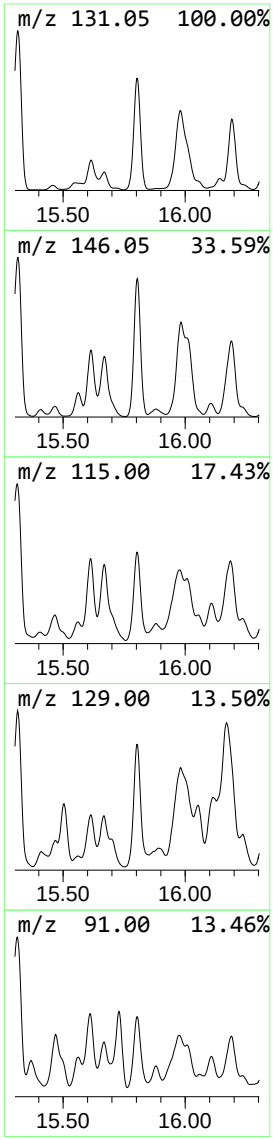
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.804 | 150.15 ug/l | 34191700 | 1,4-Dichlorobenzene-d4 | 13.675 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 97 |
| 2 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 94 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |
| 5 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

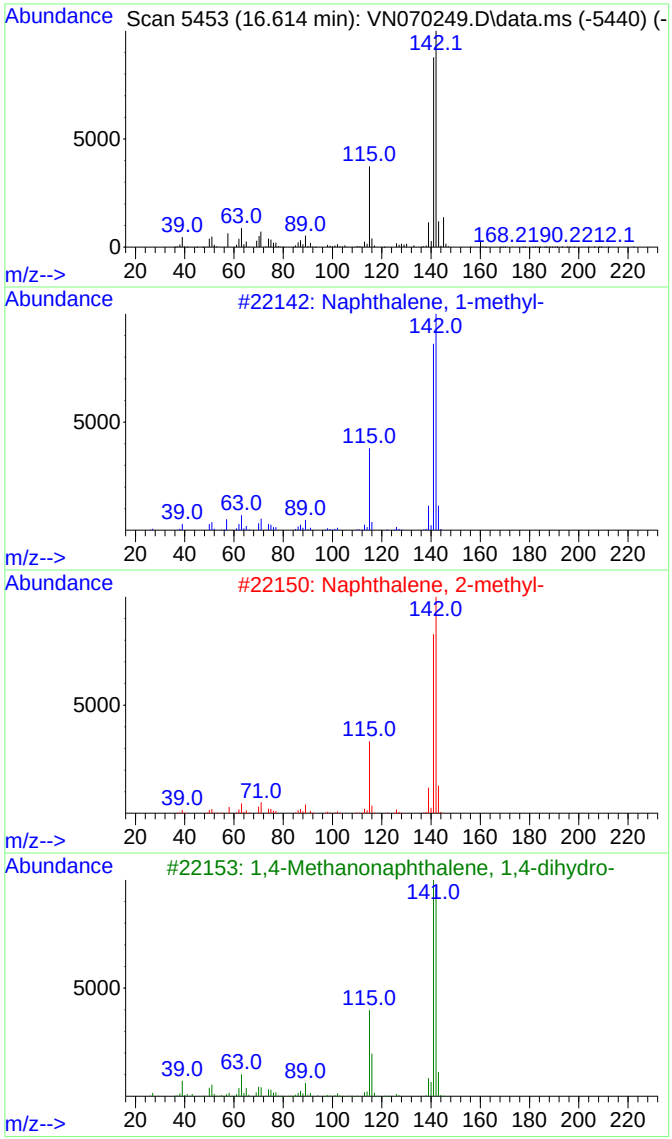
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

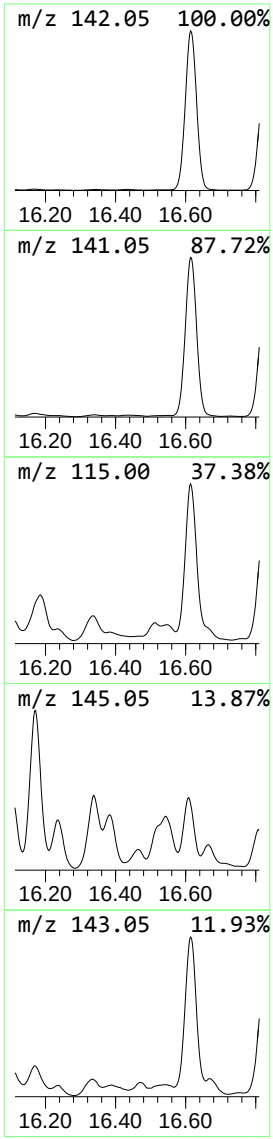
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.614 | 254.97 ug/l | 58059900 | 1,4-Dichlorobenzene-d4 | 13.675 |

| 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 | 93 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
Data File : VN070249.D
Acq On : 20 Dec 2021 18:52
Operator : JC/MD
Sample : M5044-06
Misc : 5.82g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
DA-6-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2,2,3,3... | 8.609 | 181.8 | ug/l | 41979400 | 2 | 8.965 | 11547100 | 50.0 |
| Pentane, 2,3,4-... | 9.877 | 107.4 | ug/l | 24800600 | 2 | 8.965 | 11547100 | 50.0 |
| Heptane, 4-methyl- | 10.011 | 144.5 | ug/l | 33373100 | 2 | 8.965 | 11547100 | 50.0 |
| Heptane, 3-methyl- | 10.212 | 106.0 | ug/l | 24489200 | 2 | 8.965 | 11547100 | 50.0 |
| Octane | 10.620 | 108.3 | ug/l | 19204300 | 3 | 11.746 | 8864260 | 50.0 |
| Ether, hexyl pe... | 11.524 | 120.2 | ug/l | 21303400 | 3 | 11.746 | 8864260 | 50.0 |
| Benzene, 4-ethy... | 14.217 | 217.6 | ug/l | 49553400 | 4 | 13.675 | 11385800 | 50.0 |
| Indan, 1-methyl- | 14.326 | 154.0 | ug/l | 35061800 | 4 | 13.675 | 11385800 | 50.0 |
| Benzene, 1,2,3,... | 14.538 | 166.1 | ug/l | 37833300 | 4 | 13.675 | 11385800 | 50.0 |
| Benzene, 2-ethe... | 14.809 | 165.4 | ug/l | 37666400 | 4 | 13.675 | 11385800 | 50.0 |
| 1H-Indene, 2,3-... | 14.927 | 346.6 | ug/l | 78927300 | 4 | 13.675 | 11385800 | 50.0 |
| 1H-Indene, 2,3-... | 15.193 | 274.1 | ug/l | 62423800 | 4 | 13.675 | 11385800 | 50.0 |
| 1H-Indene, 2,3-... | 15.311 | 217.5 | ug/l | 49523300 | 4 | 13.675 | 11385800 | 50.0 |
| 1H-Indene, 2,3-... | 15.804 | 150.2 | ug/l | 34191700 | 4 | 13.675 | 11385800 | 50.0 |
| 1,4-Methanonaph... | 16.614 | 255.0 | ug/l | 58059900 | 4 | 13.675 | 11385800 | 50.0 |