LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

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\82N042720W.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 | 1.638 | 3 | 15 | 71 | rBV | 3901215 | 15618680 | 100.00% | 23.028% |
| 2 | 2.770 | 349 | 367 | 397 | rBV | 733098 | 1496097 | 9.58% | 2.206% |
| 3 | 3.101 | 453 | 470 | 492 | rVB | 282083 | 605317 | 3.88% | 0.892% |
| 4 | 3.760 | 654 | 675 | 698 | rBV4 | 57538 | 181988 | 1.17% | 0.268% |
| 5 | 4.487 | 880 | 901 | 905 | rBV3 | 119709 | 317874 | 2.04% | 0.469% |
| 6 | 5.001 | 1034 | 1061 | 1090 | rBV2 | 177827 | 638671 | 4.09% | 0.942% |
| 7 | 5.519 | 1199 | 1222 | 1245 | rBV | 91353 | 285734 | 1.83% | 0.421% |
| 8 | 5.812 | 1294 | 1313 | 1323 | rBV3 | 76079 | 241649 | 1.55% | 0.356% |
| 9 | 6.021 | 1356 | 1378 | 1396 | rBV4 | 55880 | 178783 | 1.14% | 0.264% |
| 10 | 6.156 | 1396 | 1420 | 1451 | rVB3 | 46841 | 168040 | 1.08% | 0.248% |
| 11 | 6.323 | 1451 | 1472 | 1500 | rBV2 | 75747 | 237166 | 1.52% | 0.350% |
| 12 | 6.580 | 1532 | 1552 | 1573 | rBV | 408238 | 1246280 | 7.98% | 1.837% |
| 13 | 7.551 | 1835 | 1854 | 1860 | rBV2 | 74773 | 189310 | 1.21% | 0.279% |
| 14 | 7.619 | 1861 | 1875 | 1890 | rVV6 | 325728 | 968289 | 6.20% | 1.428% |
| 15 | 7.706 | 1891 | 1902 | 1922 | rVB3 | 122817 | 358097 | 2.29% | 0.528% |
| 16 | 7.837 | 1926 | 1943 | 1956 | rBV | 71450 | 176884 | 1.13% | 0.261% |
| 17 | 7.989 | 1974 | 1990 | 2005 | rBV | 103028 | 250686 | 1.61% | 0.370% |
| 18 | 8.124 | 2018 | 2032 | 2038 | rBV2 | 72188 | 169732 | 1.09% | 0.250% |
| 19 | 8.175 | 2039 | 2048 | 2068 | rVV4 | 134638 | 469789 | 3.01% | 0.693% |
| 20 | 8.548 | 2145 | 2164 | 2189 | rBV3 | 424322 | 1110546 | 7.11% | 1.637% |
| 21 | 8.828 | 2227 | 2251 | 2267 | rVB5 | 68779 | 213390 | 1.37% | 0.315% |
| 22 | 9.046 | 2291 | 2319 | 2332 | rBV2 | 183385 | 560864 | 3.59% | 0.827% |
| 23 | 9.487 | 2447 | 2456 | 2474 | rVB | 83207 | 162508 | 1.04% | 0.240% |
| 24 | 9.583 | 2475 | 2486 | 2492 | rBV | 111801 | 216032 | 1.38% | 0.319% |
| 25 | 10.059 | 2621 | 2634 | 2658 | rBV | 417626 | 793324 | 5.08% | 1.170% |
| 26 | 11.381 | 3031 | 3045 | 3061 | rBV | 384996 | 676326 | 4.33% | 0.997% |
| 27 | 11.484 | 3065 | 3077 | 3095 | rVV | 623278 | 1062886 | 6.81% | 1.567% |
| 28 | 11.593 | 3096 | 3111 | 3133 | rVV | 1475388 | 2858780 | 18.30% | 4.215% |
| 29 | 11.921 | 3196 | 3213 | 3232 | rBV | 645190 | 1078226 | 6.90% | 1.590% |
| 30 | 12.223 | 3295 | 3307 | 3322 | rBV | 369927 | 595826 | 3.81% | 0.878% |
| 31 | 12.377 | 3339 | 3355 | 3371 | rBV | 305196 | 511010 | 3.27% | 0.753% |
| 32 | 12.567 | 3399 | 3414 | 3423 | rBV | 1050872 | 1660355 | 10.63% | 2.448% |
| 33 | 12.631 | 3423 | 3434 | 3440 | rVV | 2420598 | 4092259 | 26.20% | 6.034% |
| 34 | 12.664 | 3440 | 3444 | 3451 | rVV | 1472438 | 2047380 | 13.11% | 3.019% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

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\82N042720W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.709 | 3451 | 3458 | 3479 | rVB | 1481691 | 2307889 | 14.78% | 3.403% |
| 36 | 12.866 | 3493 | 3507 | 3523 | rBV | 1690218 | 2676061 | 17.13% | 3.946% |
| 37 | 13.014 | 3537 | 3553 | 3578 | rBV | 5776815 | 9354886 | 59.90% | 13.793% |
| 38 | 13.210 | 3604 | 3614 | 3623 | rBV | 102700 | 156425 | 1.00% | 0.231% |
| 39 | 13.319 | 3637 | 3648 | 3649 | rBV | 414104 | 476801 | 3.05% | 0.703% |
| 40 | 13.348 | 3650 | 3657 | 3674 | rVB | 1362655 | 2223145 | 14.23% | 3.278% |
| 41 | 13.490 | 3688 | 3701 | 3702 | rBV | 202214 | 242441 | 1.55% | 0.357% |
| 42 | 13.519 | 3703 | 3710 | 3717 | rVV | 678368 | 1116558 | 7.15% | 1.646% |
| 43 | 13.561 | 3717 | 3723 | 3742 | rVV2 | 439195 | 827349 | 5.30% | 1.220% |
| 44 | 13.715 | 3760 | 3771 | 3780 | rBV | 151906 | 238880 | 1.53% | 0.352% |
| 45 | 13.779 | 3780 | 3791 | 3795 | rVV | 355393 | 547455 | 3.51% | 0.807% |
| 46 | 13.808 | 3796 | 3800 | 3808 | rVV | 308026 | 412628 | 2.64% | 0.608% |
| 47 | 13.863 | 3808 | 3817 | 3828 | rVV | 532663 | 827598 | 5.30% | 1.220% |
| 48 | 13.969 | 3841 | 3850 | 3864 | rVB2 | 330967 | 536765 | 3.44% | 0.791% |
| 49 | 14.104 | 3881 | 3892 | 3903 | rBV | 155843 | 245017 | 1.57% | 0.361% |
| 50 | 14.184 | 3903 | 3917 | 3923 | rBV | 364727 | 578935 | 3.71% | 0.854% |
| 51 | 14.223 | 3923 | 3929 | 3939 | rVB | 499095 | 749499 | 4.80% | 1.105% |
| 52 | 14.451 | 3990 | 4000 | 4010 | rBV | 306637 | 462622 | 2.96% | 0.682% |
| 53 | 14.567 | 4022 | 4036 | 4048 | rBV3 | 553266 | 1089772 | 6.98% | 1.607% |
| 54 | 15.104 | 4183 | 4203 | 4217 | rBV | 341054 | 597198 | 3.82% | 0.880% |
| 55 | 16.123 | 4508 | 4520 | 4536 | rVB | 216844 | 419740 | 2.69% | 0.619% |
| 56 | 16.313 | 4564 | 4579 | 4600 | rVB | 141261 | 298989 | 1.91% | 0.441% |

Sum of corrected areas: 67825431

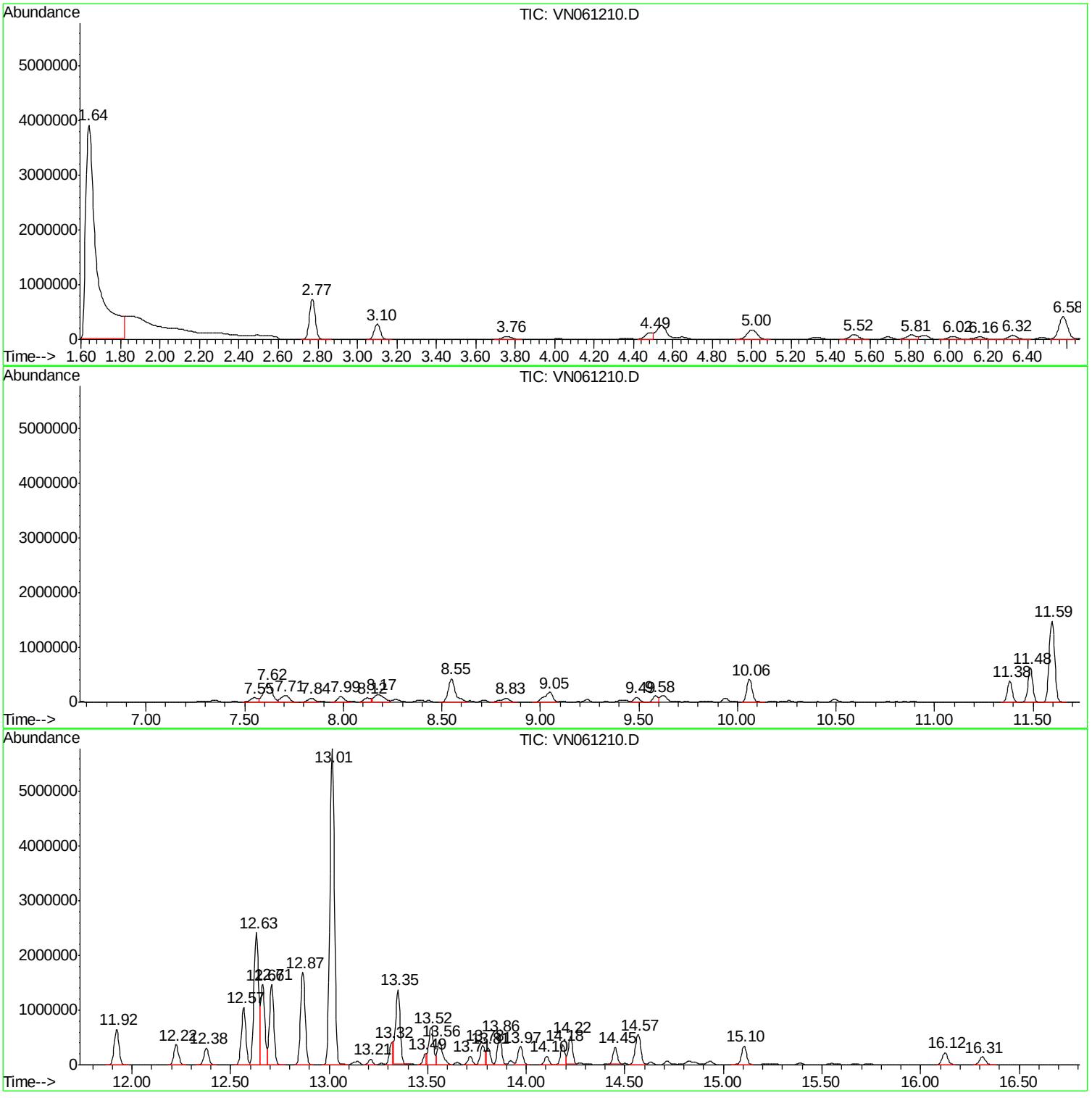
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.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\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

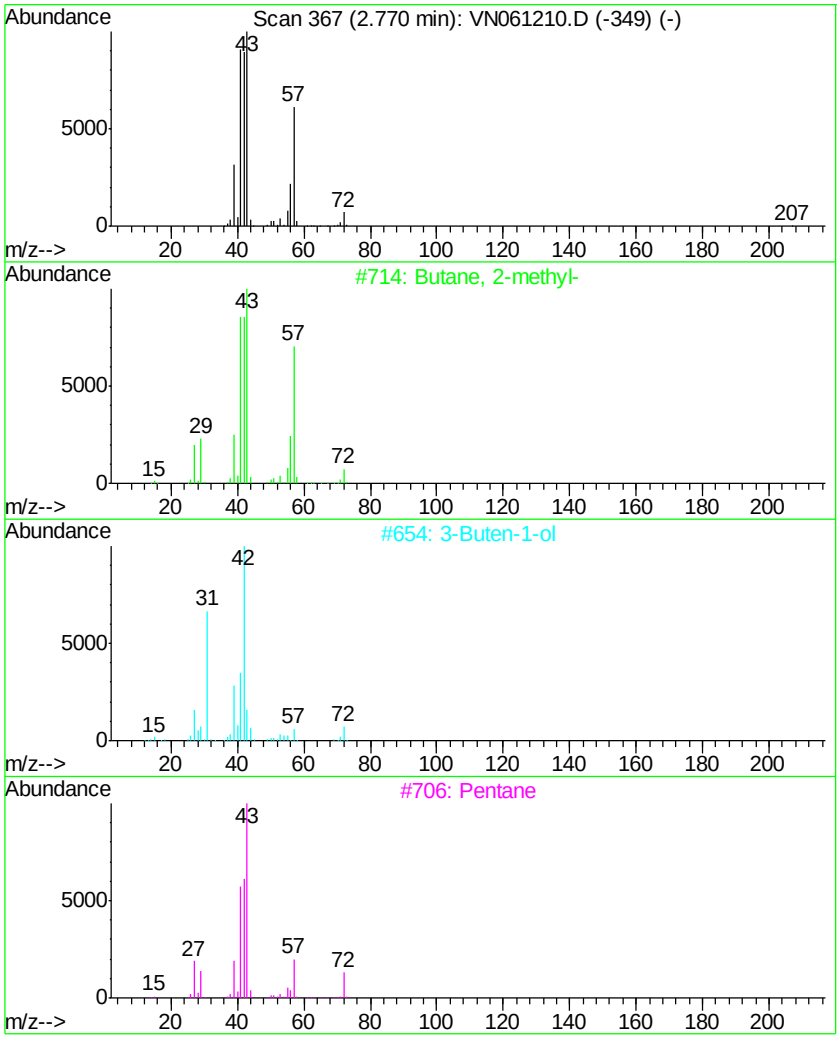
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

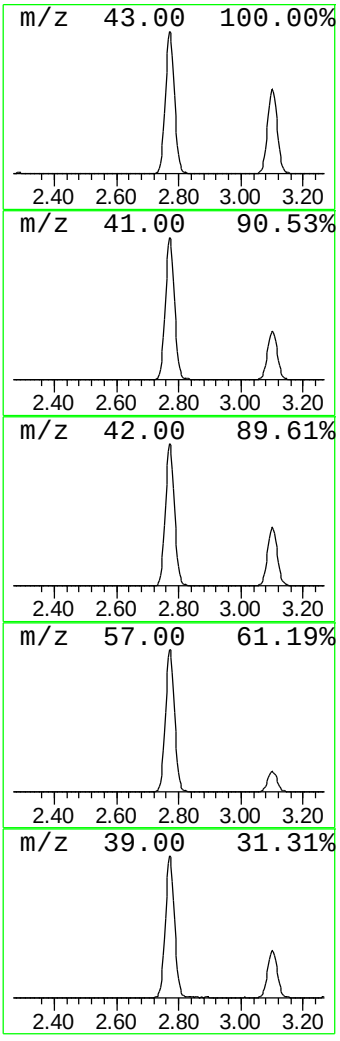
**********

Peak Number 2 Butane, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.77 | 77.25 ug/l | 1496100 | Pentafluorobenzene | 7.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 94 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 42 |
| 4 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 9 |
| 5 | 1-Butene | 56 | C4H8 | 000106-98-9 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

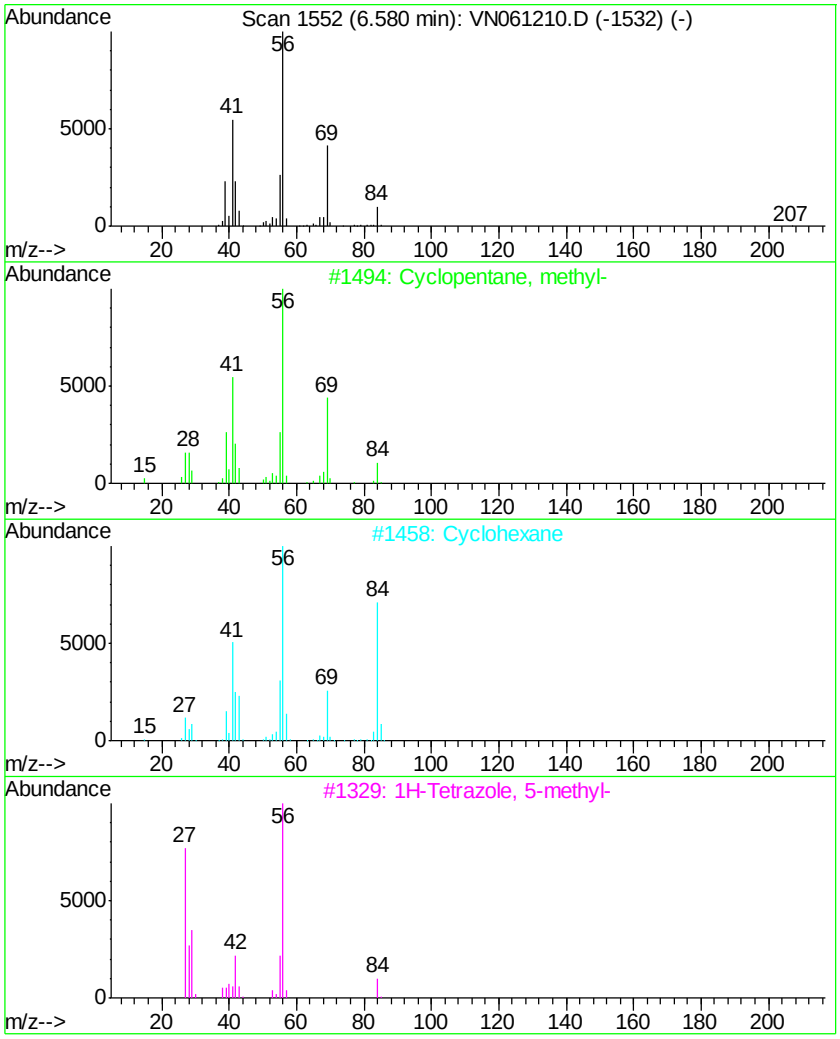
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

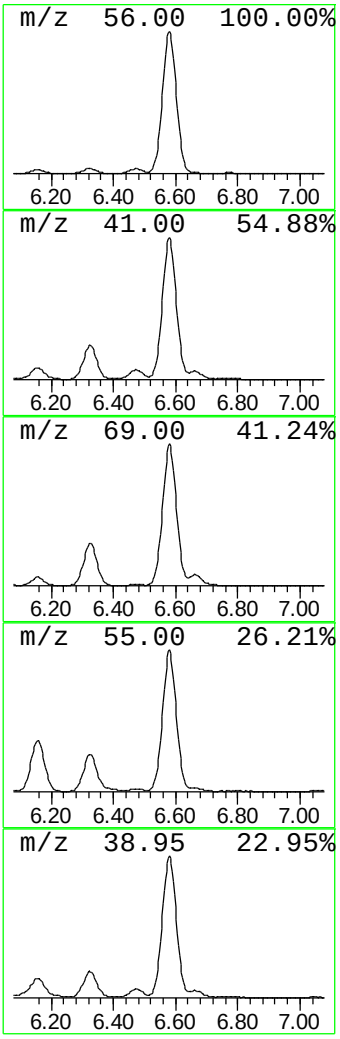
**********

Peak Number 3 Cyclopentane, methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.58 | 64.35 ug/l | 1246280 | Pentafluorobenzene | 7.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |
| 5 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

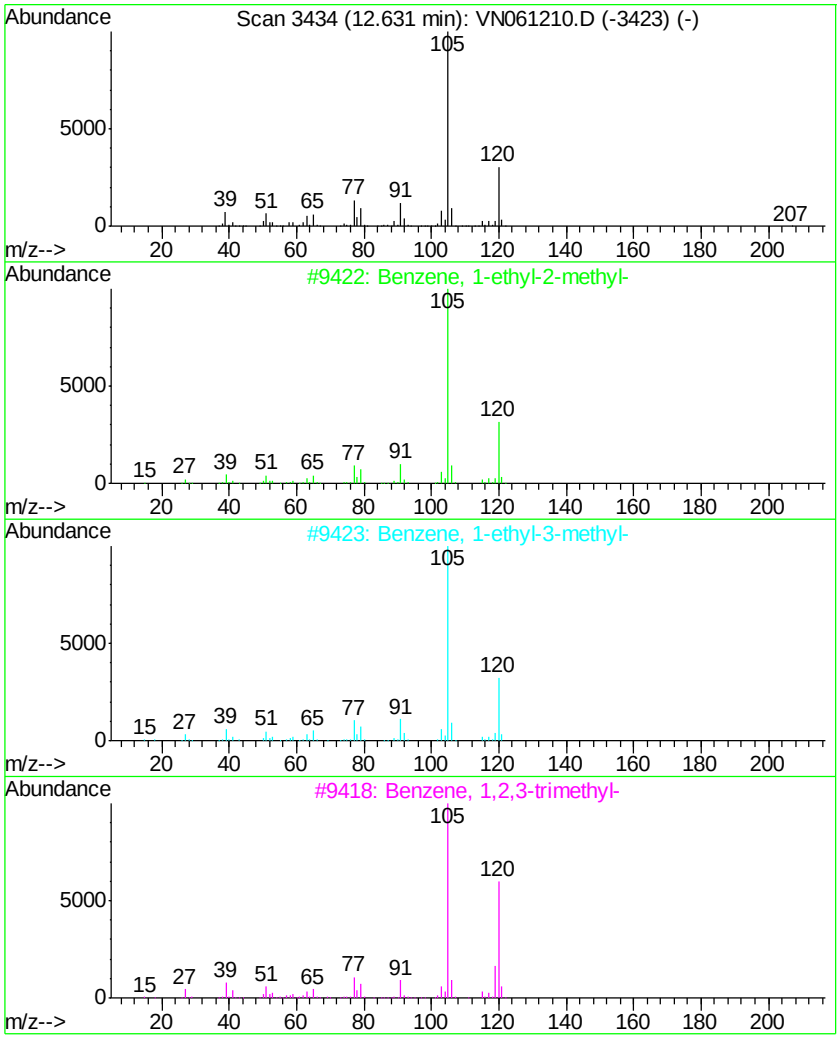
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

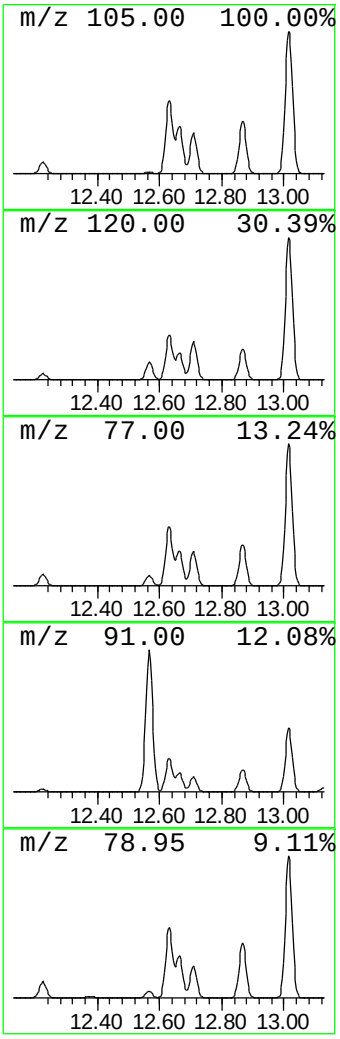
**********

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.63 | 429.14 ug/l | 4092260 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

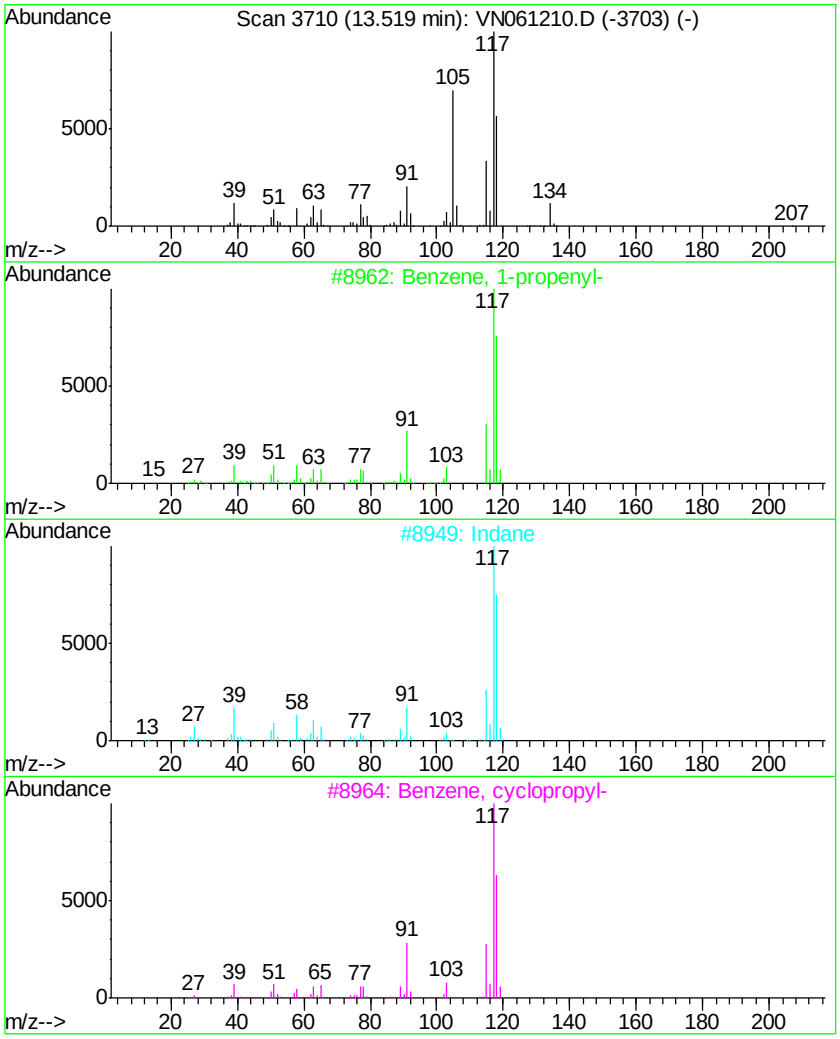
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

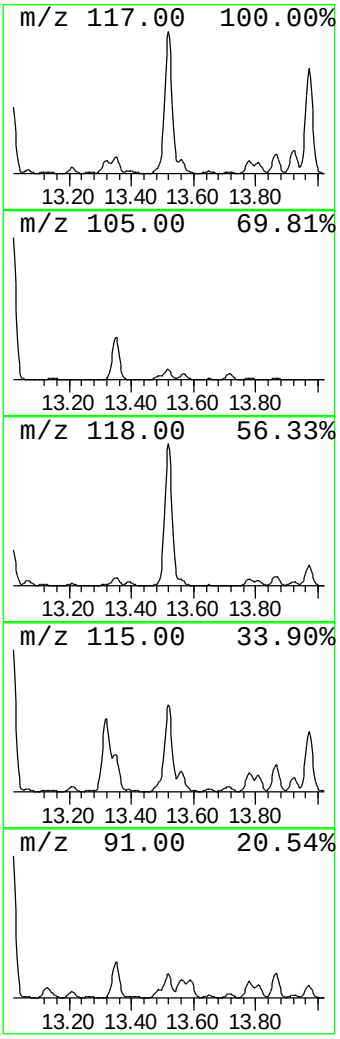
**********

Peak Number 6 Benzene, 1-propenyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.52 | 117.09 ug/l | 1116560 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 70 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 70 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 70 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 70 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

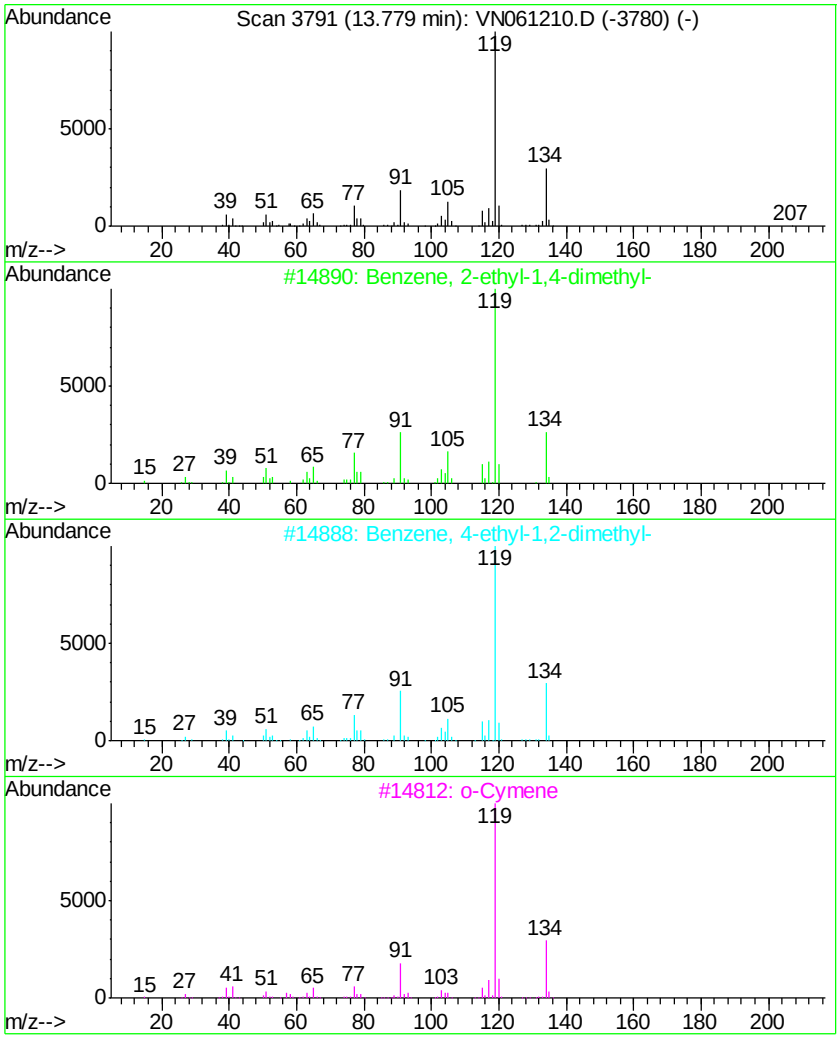
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

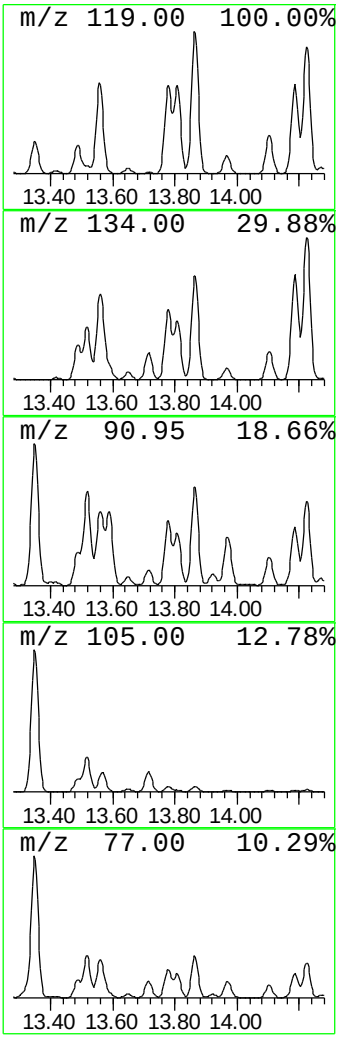
**********

Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.78 | 57.41 ug/l | 547455 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

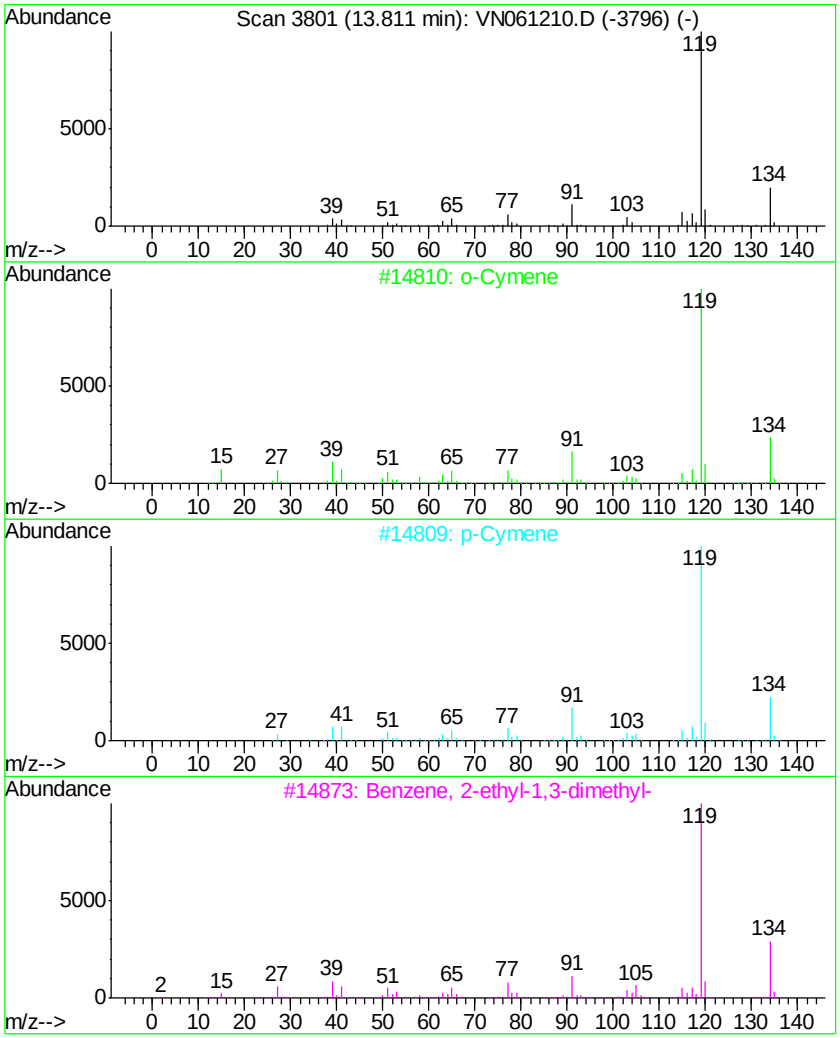
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

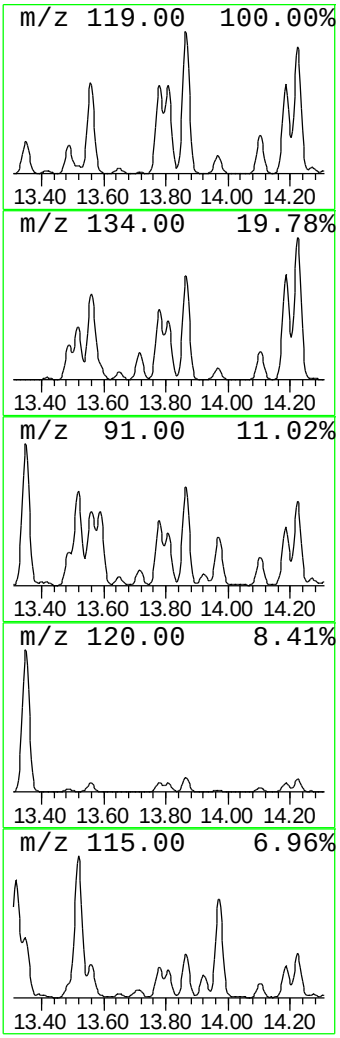
**********

Peak Number 8 o-Cymene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.81 | 43.27 ug/l | 412628 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

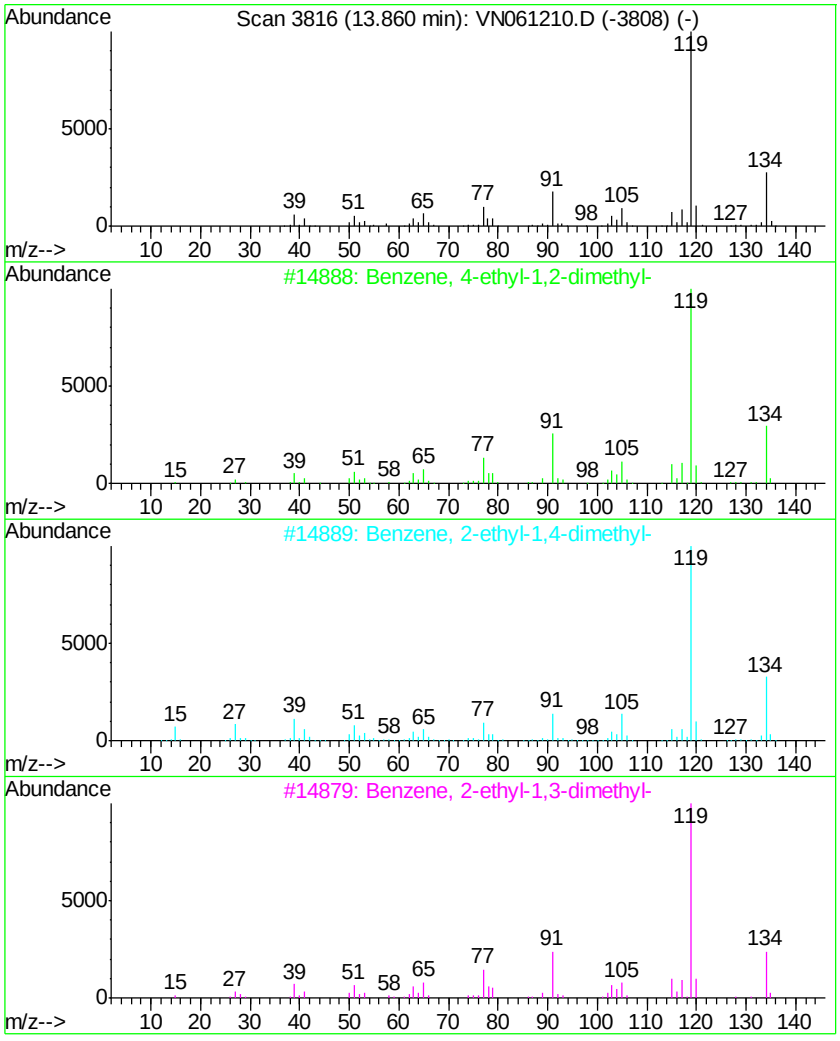
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

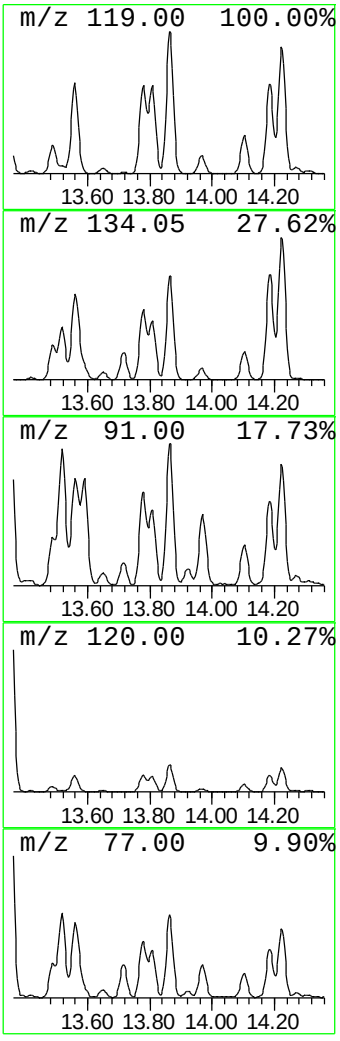
**********

Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 86.79 ug/l | 827598 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

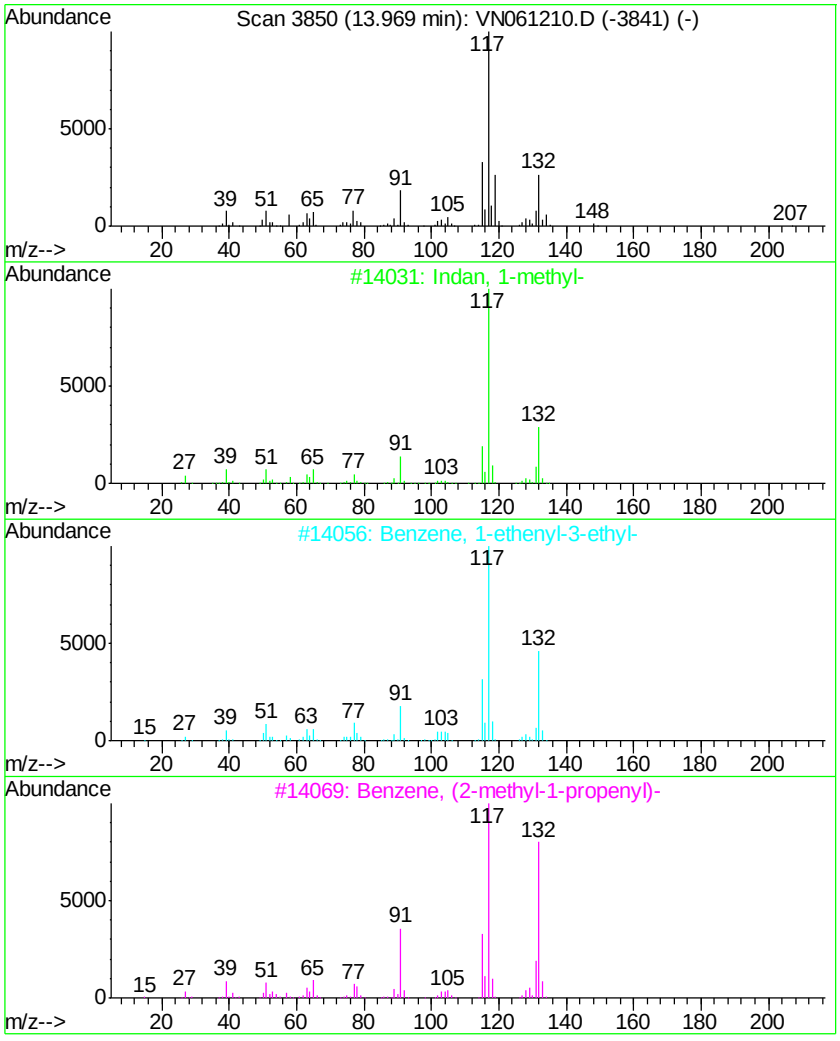
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

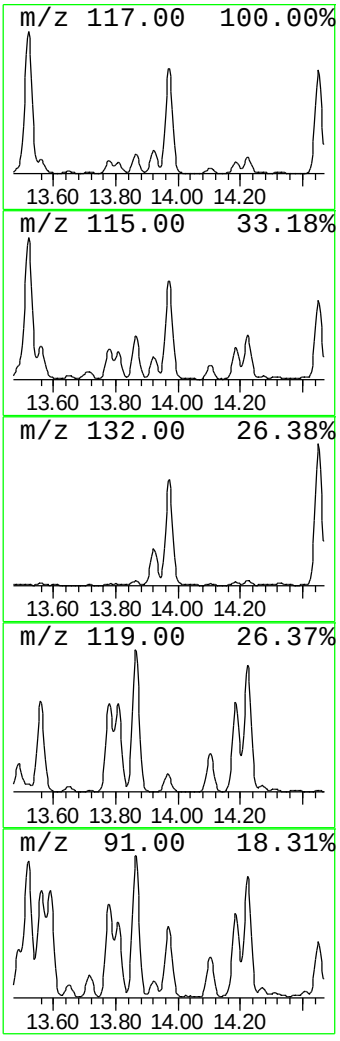
**********

Peak Number 10 Indan, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 56.29 ug/l | 536765 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 81 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 81 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 76 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 76 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

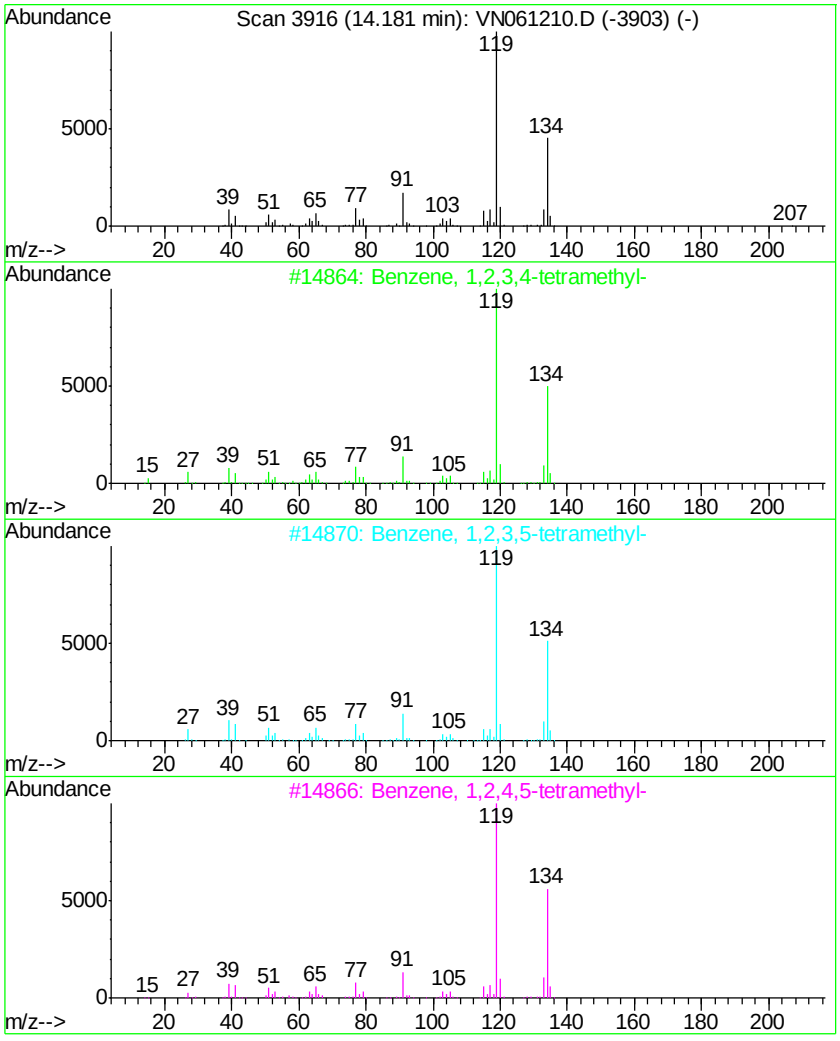
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

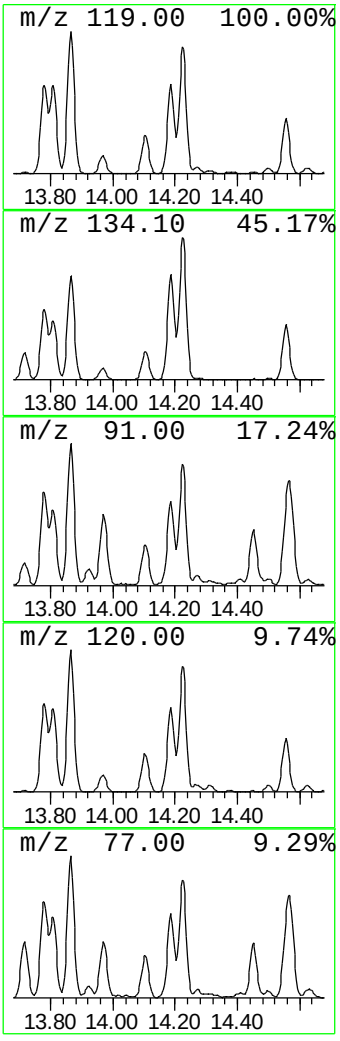
**********

Peak Number 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.18 | 60.71 ug/l | 578935 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

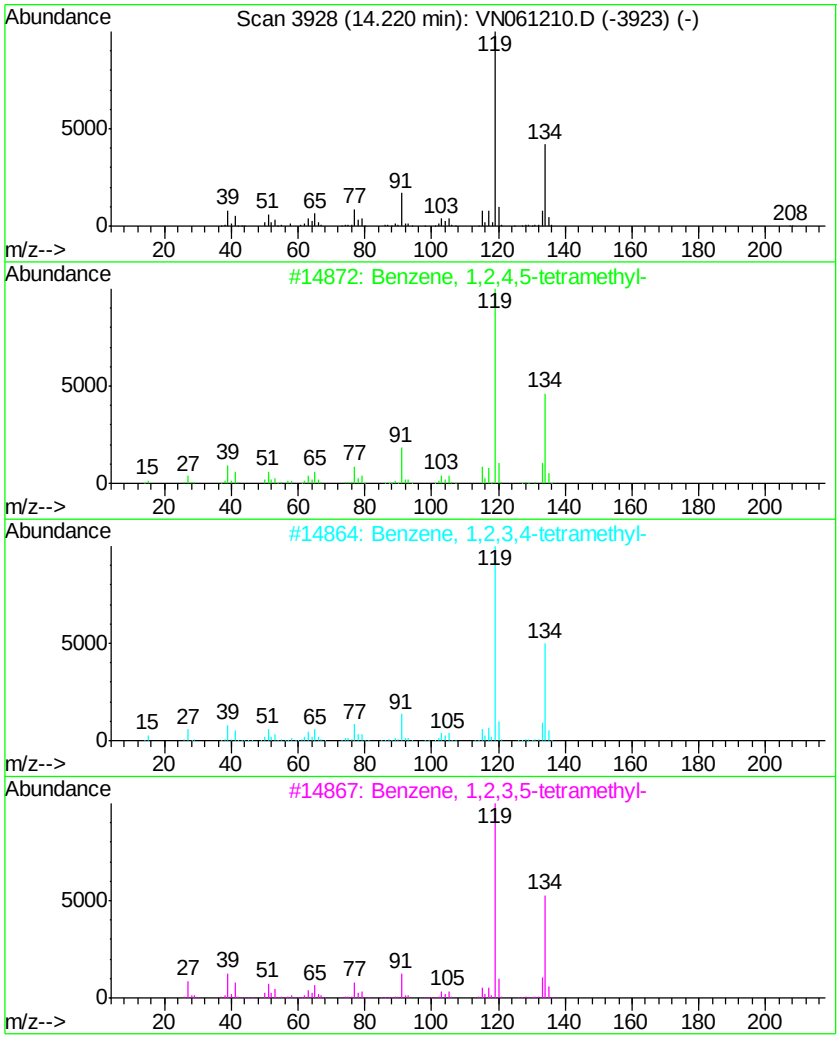
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

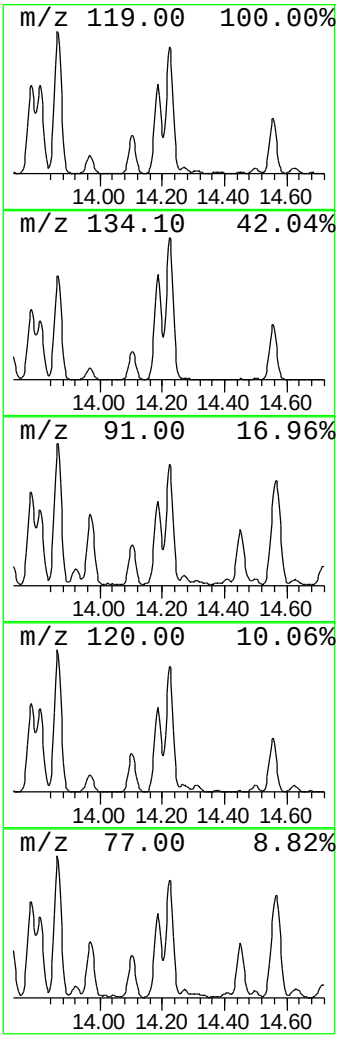
**********

Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.22 | 78.60 ug/l | 749499 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

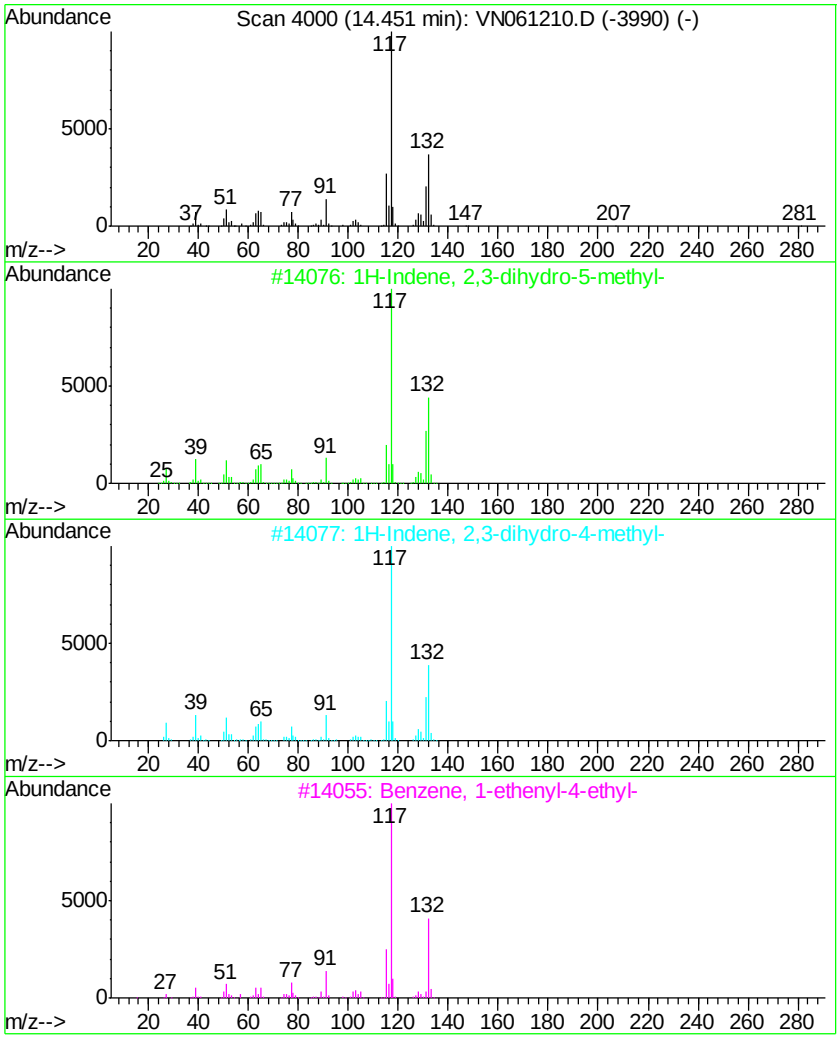
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

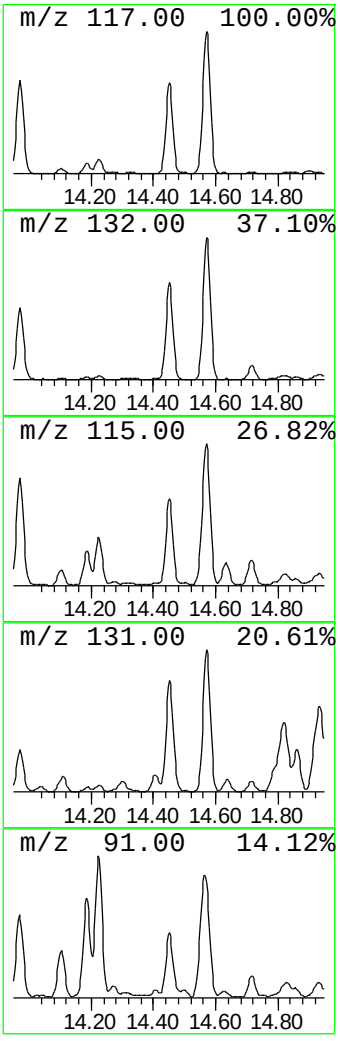
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.45 | 48.51 ug/l | 462622 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260

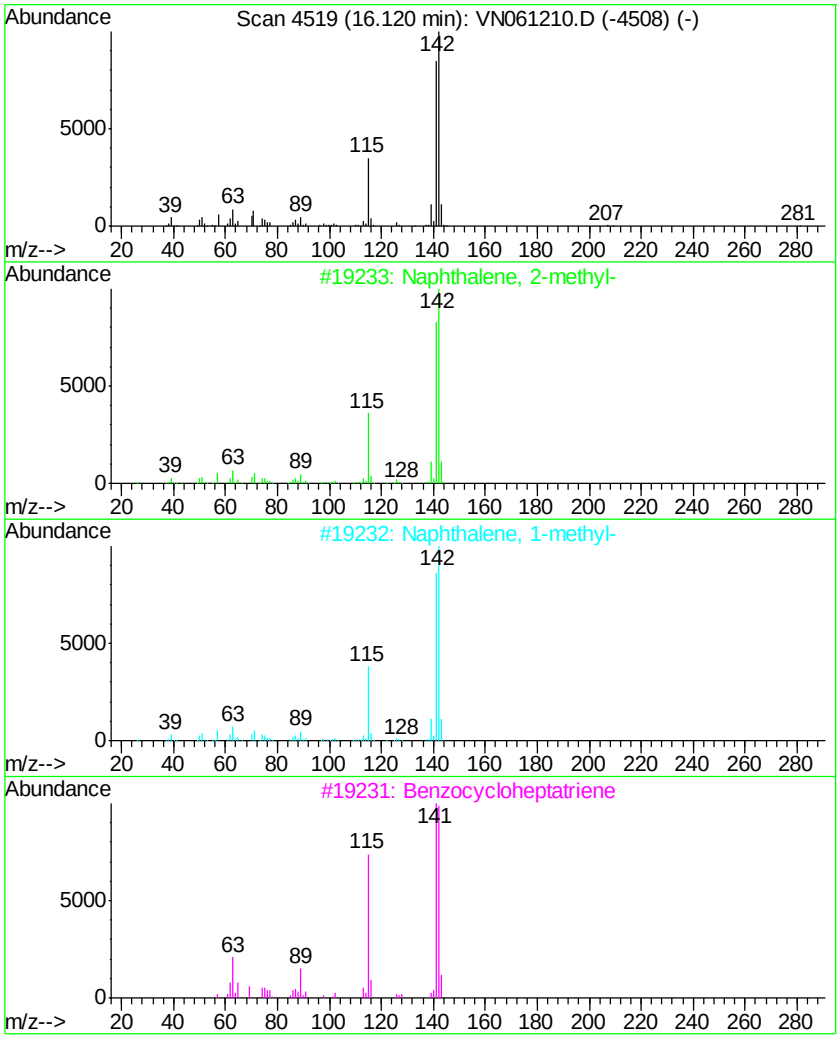
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

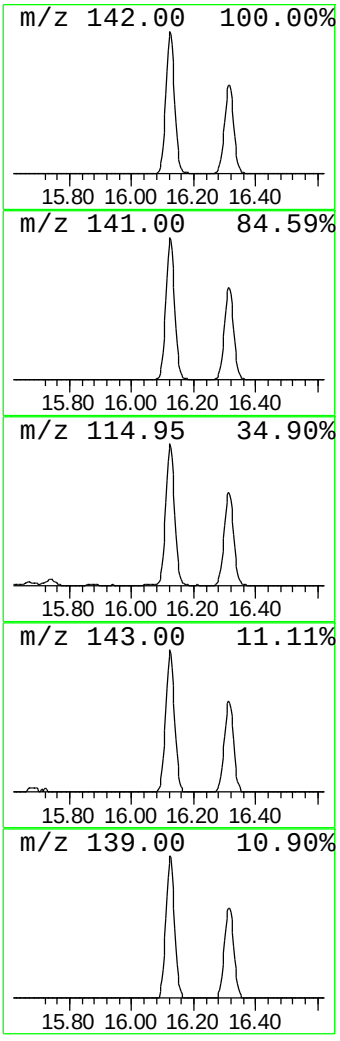
**********

Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.12 | 44.02 ug/l | 419740 | 1,4-Dichlorobenzene-d4 | 13.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 90 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.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 |
| Butane, 2-methyl- | 2.77 | 77.3 | ug/l | 1496100 | 1 | 7.63 | 968289 | 50.0 |
| Cyclopentane, met... | 6.58 | 64.3 | ug/l | 1246280 | 1 | 7.63 | 968289 | 50.0 |
| Benzene, 1-ethyl-... | 12.63 | 429.1 | ug/l | 4092260 | 4 | 13.32 | 476801 | 50.0 |
| Benzene, 1-propenyl- | 13.52 | 117.1 | ug/l | 1116560 | 4 | 13.32 | 476801 | 50.0 |
| Benzene, 2-ethyl-... | 13.78 | 57.4 | ug/l | 547455 | 4 | 13.32 | 476801 | 50.0 |
| o-Cymene | 13.81 | 43.3 | ug/l | 412628 | 4 | 13.32 | 476801 | 50.0 |
| Benzene, 4-ethyl-... | 13.86 | 86.8 | ug/l | 827598 | 4 | 13.32 | 476801 | 50.0 |
| Indan, 1-methyl- | 13.97 | 56.3 | ug/l | 536765 | 4 | 13.32 | 476801 | 50.0 |
| Benzene, 1,2,3,4-... | 14.18 | 60.7 | ug/l | 578935 | 4 | 13.32 | 476801 | 50.0 |
| Benzene, 1,2,4,5-... | 14.22 | 78.6 | ug/l | 749499 | 4 | 13.32 | 476801 | 50.0 |
| 1H-Indene, 2,3-di... | 14.45 | 48.5 | ug/l | 462622 | 4 | 13.32 | 476801 | 50.0 |
| Naphthalene, 1-me... | 16.12 | 44.0 | ug/l | 419740 | 4 | 13.32 | 476801 | 50.0 |