LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 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\82N122721W.M
Title : SW846 8260

Signal : TIC: VN070471.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.234 | 79 | 91 | 106 | rBV4 | 195323 | 562450 | 3.54% | 0.377% |
| 2 | 2.446 | 159 | 170 | 188 | rVB | 435478 | 702675 | 4.42% | 0.471% |
| 3 | 3.143 | 408 | 430 | 471 | rBV | 4813071 | 11197692 | 70.48% | 7.503% |
| 4 | 3.516 | 550 | 569 | 606 | rVB3 | 1049460 | 2710073 | 17.06% | 1.816% |
| 5 | 3.717 | 628 | 644 | 669 | rVB2 | 203519 | 495673 | 3.12% | 0.332% |
| 6 | 3.891 | 684 | 709 | 727 | rBV2 | 126381 | 352804 | 2.22% | 0.236% |
| 7 | 3.990 | 727 | 746 | 780 | rVB3 | 378409 | 1047624 | 6.59% | 0.702% |
| 8 | 4.956 | 1075 | 1106 | 1125 | rBV9 | 69119 | 294184 | 1.85% | 0.197% |
| 9 | 5.082 | 1125 | 1153 | 1160 | rBV2 | 533756 | 1669422 | 10.51% | 1.119% |
| 10 | 5.618 | 1313 | 1353 | 1393 | rBV | 879054 | 3053032 | 19.22% | 2.046% |
| 11 | 5.932 | 1442 | 1470 | 1505 | rBV3 | 124404 | 411831 | 2.59% | 0.276% |
| 12 | 6.117 | 1509 | 1539 | 1567 | rBV3 | 171101 | 531997 | 3.35% | 0.356% |
| 13 | 6.286 | 1576 | 1602 | 1622 | rBV5 | 89634 | 285125 | 1.79% | 0.191% |
| 14 | 6.466 | 1653 | 1669 | 1697 | rVB2 | 264802 | 798348 | 5.02% | 0.535% |
| 15 | 6.608 | 1697 | 1722 | 1738 | rBV3 | 258441 | 805106 | 5.07% | 0.539% |
| 16 | 6.699 | 1741 | 1756 | 1778 | rVV3 | 141924 | 434595 | 2.74% | 0.291% |
| 17 | 6.898 | 1812 | 1830 | 1861 | rVB5 | 152378 | 458673 | 2.89% | 0.307% |
| 18 | 7.045 | 1862 | 1885 | 1900 | rBV2 | 243129 | 716345 | 4.51% | 0.480% |
| 19 | 7.147 | 1901 | 1923 | 1945 | rBV | 1707657 | 4915248 | 30.94% | 3.294% |
| 20 | 7.844 | 2167 | 2183 | 2203 | rVB2 | 366340 | 908359 | 5.72% | 0.609% |
| 21 | 8.021 | 2225 | 2249 | 2258 | rBV | 647056 | 1594530 | 10.04% | 1.068% |
| 22 | 8.086 | 2259 | 2273 | 2291 | rVV4 | 1936282 | 5104496 | 32.13% | 3.420% |
| 23 | 8.172 | 2292 | 2305 | 2331 | rVB | 674549 | 1778526 | 11.19% | 1.192% |
| 24 | 8.295 | 2331 | 2351 | 2368 | rBV2 | 483546 | 1125061 | 7.08% | 0.754% |
| 25 | 8.437 | 2386 | 2404 | 2428 | rBV2 | 797184 | 1872609 | 11.79% | 1.255% |
| 26 | 8.614 | 2434 | 2470 | 2493 | rBV | 1704938 | 5610093 | 35.31% | 3.759% |
| 27 | 8.705 | 2494 | 2504 | 2526 | rVB4 | 181684 | 433428 | 2.73% | 0.290% |
| 28 | 8.823 | 2527 | 2548 | 2572 | rVB5 | 91325 | 325639 | 2.05% | 0.218% |
| 29 | 8.965 | 2579 | 2601 | 2629 | rBV | 2317907 | 5148206 | 32.40% | 3.450% |
| 30 | 9.242 | 2696 | 2704 | 2726 | rVB2 | 121534 | 261670 | 1.65% | 0.175% |
| 31 | 9.456 | 2748 | 2784 | 2796 | rBV4 | 638184 | 1915067 | 12.05% | 1.283% |
| 32 | 9.507 | 2797 | 2803 | 2820 | rVB2 | 217039 | 398989 | 2.51% | 0.267% |
| 33 | 9.639 | 2842 | 2852 | 2867 | rVB4 | 143661 | 272166 | 1.71% | 0.182% |
| 34 | 9.802 | 2899 | 2913 | 2917 | rBV6 | 87325 | 161566 | 1.02% | 0.108% |
| 35 | 9.880 | 2930 | 2942 | 2961 | rVB | 671443 | 1369452 | 8.62% | 0.918% |
| 36 | 9.971 | 2962 | 2976 | 2981 | rBV | 268500 | 467958 | 2.95% | 0.314% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 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\82N122721W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.014 | 2982 | 2992 | 3007 | rVB2 | 755514 | 1527276 | 9.61% | 1.023% |
| 38 | 10.207 | 3045 | 3064 | 3092 | rBV7 | 224526 | 734385 | 4.62% | 0.492% |
| 39 | 10.320 | 3093 | 3106 | 3116 | rBV3 | 204913 | 393541 | 2.48% | 0.264% |
| 40 | 10.365 | 3117 | 3123 | 3134 | rVB4 | 140553 | 234194 | 1.47% | 0.157% |
| 41 | 10.438 | 3134 | 3150 | 3168 | rBV | 2946861 | 5566846 | 35.04% | 3.730% |
| 42 | 10.623 | 3205 | 3219 | 3235 | rVB | 91686 | 262568 | 1.65% | 0.176% |
| 43 | 10.867 | 3295 | 3310 | 3327 | rVB7 | 116879 | 313656 | 1.97% | 0.210% |
| 44 | 11.741 | 3619 | 3636 | 3657 | rBV | 2799964 | 5101949 | 32.11% | 3.419% |
| 45 | 11.843 | 3658 | 3674 | 3697 | rVV | 6322562 | 10966562 | 69.02% | 7.349% |
| 46 | 11.956 | 3700 | 3716 | 3742 | rVB | 4300015 | 7605481 | 47.87% | 5.096% |
| 47 | 12.278 | 3812 | 3836 | 3856 | rBV | 938242 | 1694094 | 10.66% | 1.135% |
| 48 | 12.575 | 3935 | 3947 | 3963 | rBV | 403604 | 671685 | 4.23% | 0.450% |
| 49 | 12.728 | 3988 | 4004 | 4027 | rBV | 2088399 | 3709616 | 23.35% | 2.486% |
| 50 | 12.919 | 4060 | 4075 | 4087 | rBV | 900145 | 1458199 | 9.18% | 0.977% |
| 51 | 12.983 | 4088 | 4099 | 4100 | rVV | 308852 | 366788 | 2.31% | 0.246% |
| 52 | 13.013 | 4102 | 4110 | 4120 | rVV | 1196429 | 2018139 | 12.70% | 1.352% |
| 53 | 13.055 | 4120 | 4126 | 4142 | rVB | 429252 | 689410 | 4.34% | 0.462% |
| 54 | 13.219 | 4170 | 4187 | 4212 | rBV | 4027902 | 6834315 | 43.01% | 4.580% |
| 55 | 13.367 | 4225 | 4242 | 4272 | rVV | 9717393 | 15888529 | 100.00% | 10.647% |
| 56 | 13.493 | 4276 | 4289 | 4302 | rVB5 | 76860 | 180005 | 1.13% | 0.121% |
| 57 | 13.672 | 4341 | 4356 | 4360 | rBV | 2371109 | 3659089 | 23.03% | 2.452% |
| 58 | 13.836 | 4403 | 4417 | 4420 | rBV | 405092 | 550845 | 3.47% | 0.369% |
| 59 | 13.873 | 4421 | 4431 | 4444 | rVB | 2927826 | 4819095 | 30.33% | 3.229% |
| 60 | 14.061 | 4488 | 4501 | 4514 | rBV2 | 409733 | 738113 | 4.65% | 0.495% |
| 61 | 14.128 | 4514 | 4526 | 4532 | rBV | 599826 | 1007913 | 6.34% | 0.675% |
| 62 | 14.214 | 4547 | 4558 | 4571 | rVB | 1019109 | 1627400 | 10.24% | 1.091% |
| 63 | 14.276 | 4571 | 4581 | 4588 | rVV | 143634 | 220757 | 1.39% | 0.148% |
| 64 | 14.324 | 4588 | 4599 | 4618 | rVB3 | 794611 | 1362756 | 8.58% | 0.913% |
| 65 | 14.455 | 4636 | 4648 | 4661 | rVB | 263359 | 425218 | 2.68% | 0.285% |
| 66 | 14.536 | 4663 | 4678 | 4685 | rBV | 592501 | 982164 | 6.18% | 0.658% |
| 67 | 14.576 | 4685 | 4693 | 4704 | rVB | 854030 | 1301234 | 8.19% | 0.872% |
| 68 | 14.807 | 4767 | 4779 | 4790 | rBV | 471136 | 786324 | 4.95% | 0.527% |
| 69 | 14.927 | 4805 | 4824 | 4837 | rBV3 | 1143073 | 2428833 | 15.29% | 1.628% |
| 70 | 14.989 | 4838 | 4847 | 4862 | rVB4 | 112506 | 231631 | 1.46% | 0.155% |
| 71 | 15.080 | 4868 | 4881 | 4898 | rBV5 | 168042 | 322578 | 2.03% | 0.216% |
| 72 | 15.190 | 4901 | 4922 | 4950 | rVV4 | 190301 | 650931 | 4.10% | 0.436% |
| 73 | 15.308 | 4952 | 4966 | 4982 | rVB5 | 156982 | 375710 | 2.36% | 0.252% |
| 74 | 15.504 | 5024 | 5039 | 5057 | rVB | 599395 | 1157267 | 7.28% | 0.775% |
| 75 | 15.606 | 5065 | 5077 | 5090 | rBV4 | 87416 | 177361 | 1.12% | 0.119% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 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\82N122721W.M
Title : SW846 8260

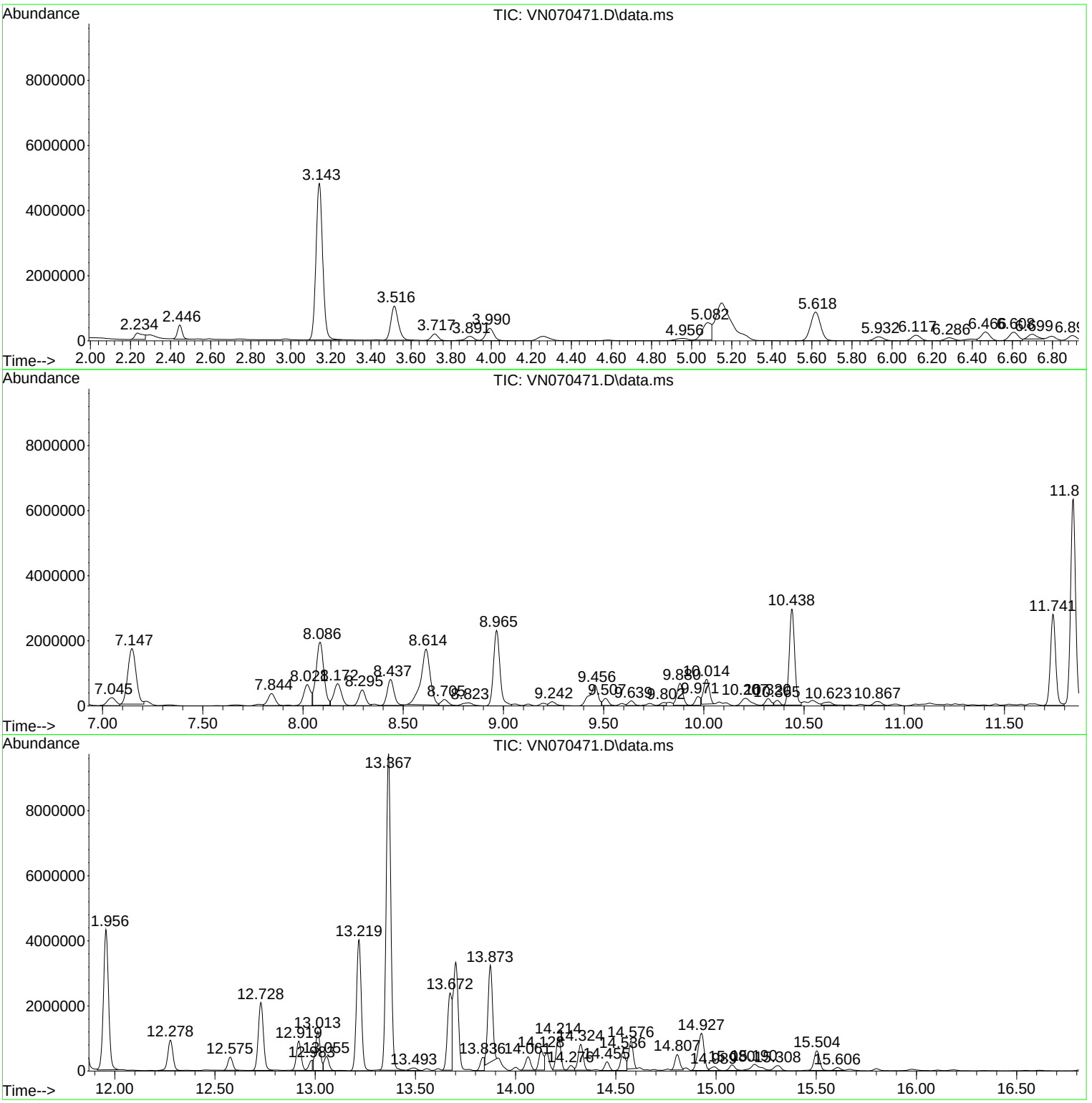
Sum of corrected areas: 149233169

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

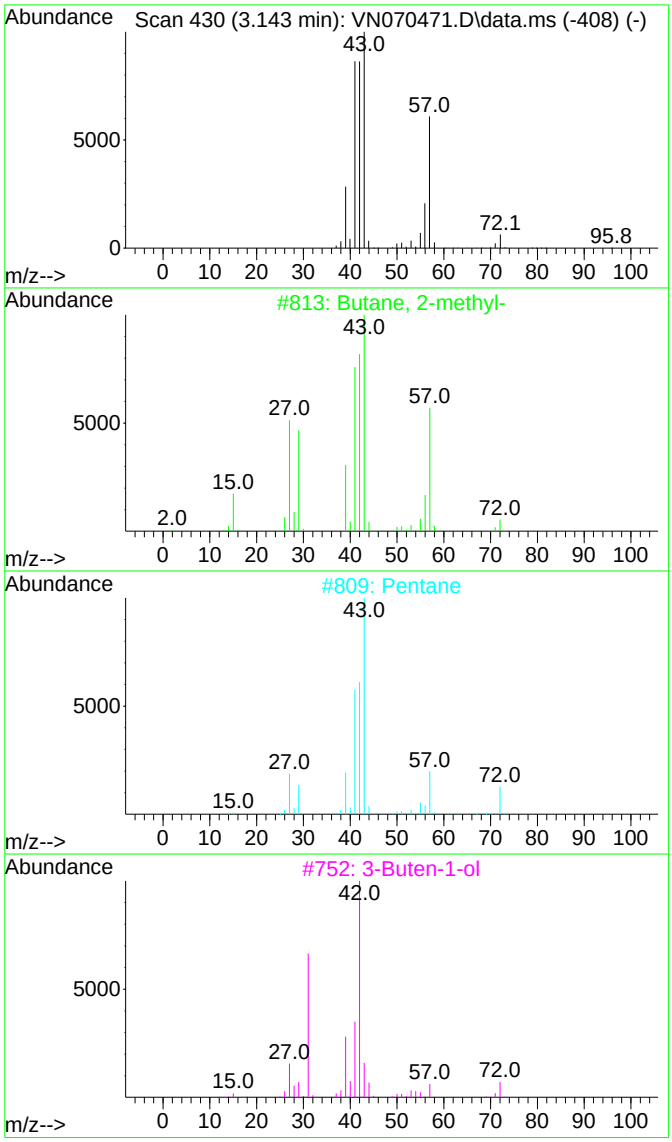
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

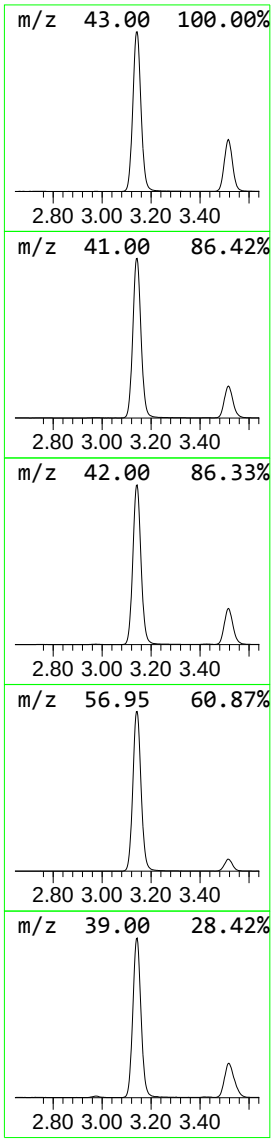
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.143 | 109.69 ug/l | 11197700 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 90 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 3 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 28 |
| 4 | 1-Butene | 56 | C4H8 | 000106-98-9 | 9 |
| 5 | Methane, isocyanato- | 57 | C2H3NO | 000624-83-9 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

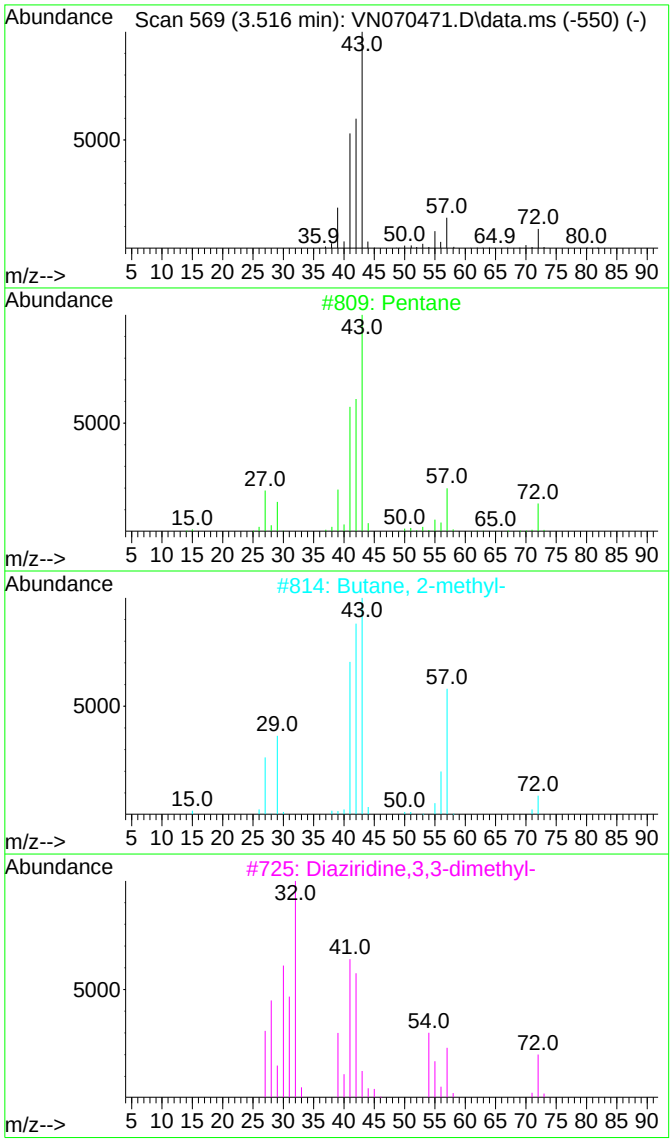
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

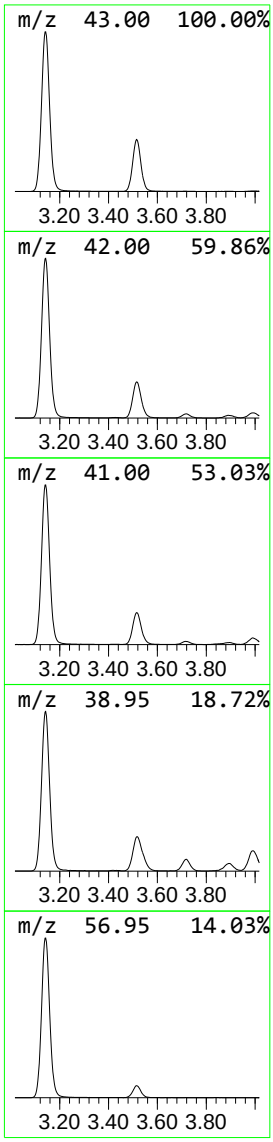
**********

Peak Number 2 Pentane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.516 | 26.55 ug/l | 2710070 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 90 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 64 |
| 3 | Diaziridine,3,3-dimethyl- | 72 | C3H8N2 | 004901-76-2 | 9 |
| 4 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 9 |
| 5 | Methyl glyoxal | 72 | C3H4O2 | 000078-98-8 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

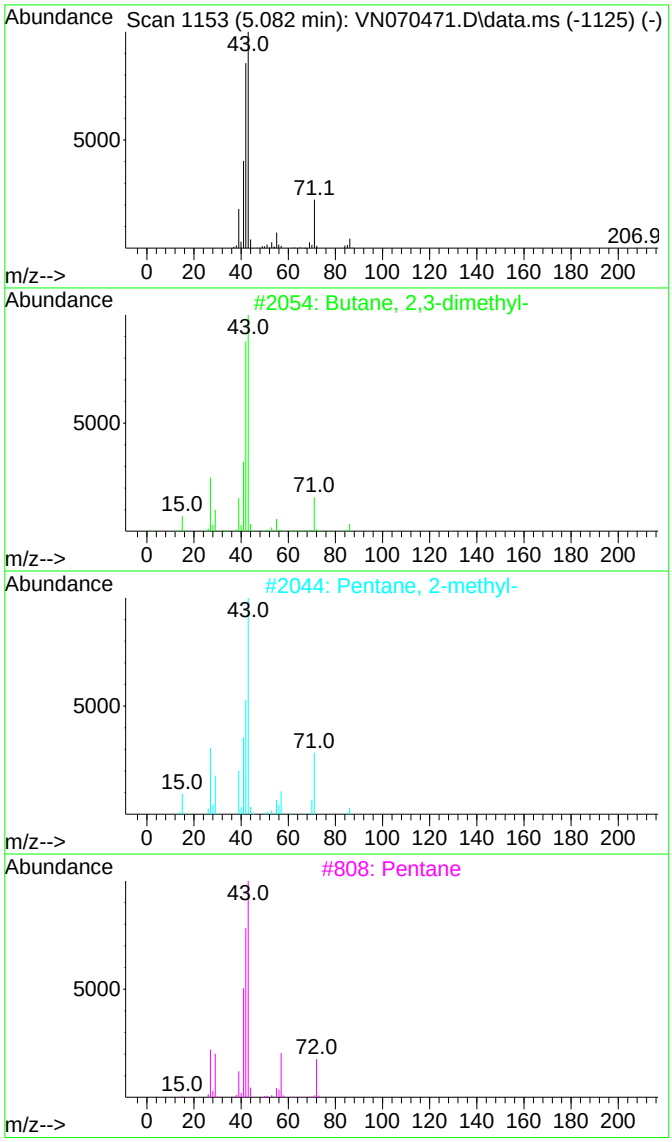
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

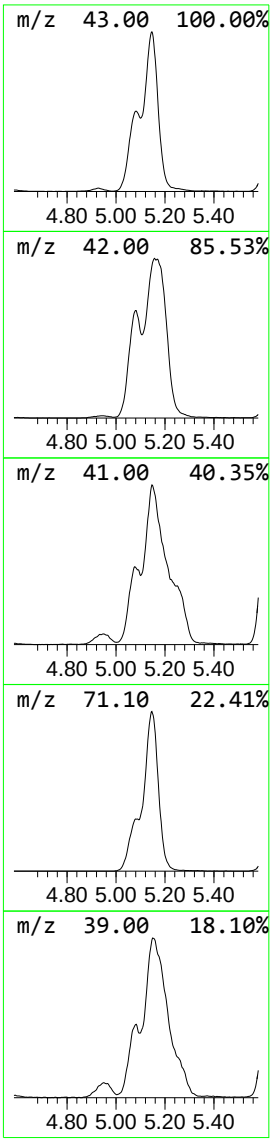
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.082 | 16.35 ug/l | 1669420 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 91 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 50 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 45 |
| 4 | Tetrahydrofuran | 72 | C4H8O | 000109-99-9 | 38 |
| 5 | Butanal, 2-ethyl- | 100 | C6H12O | 000097-96-1 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

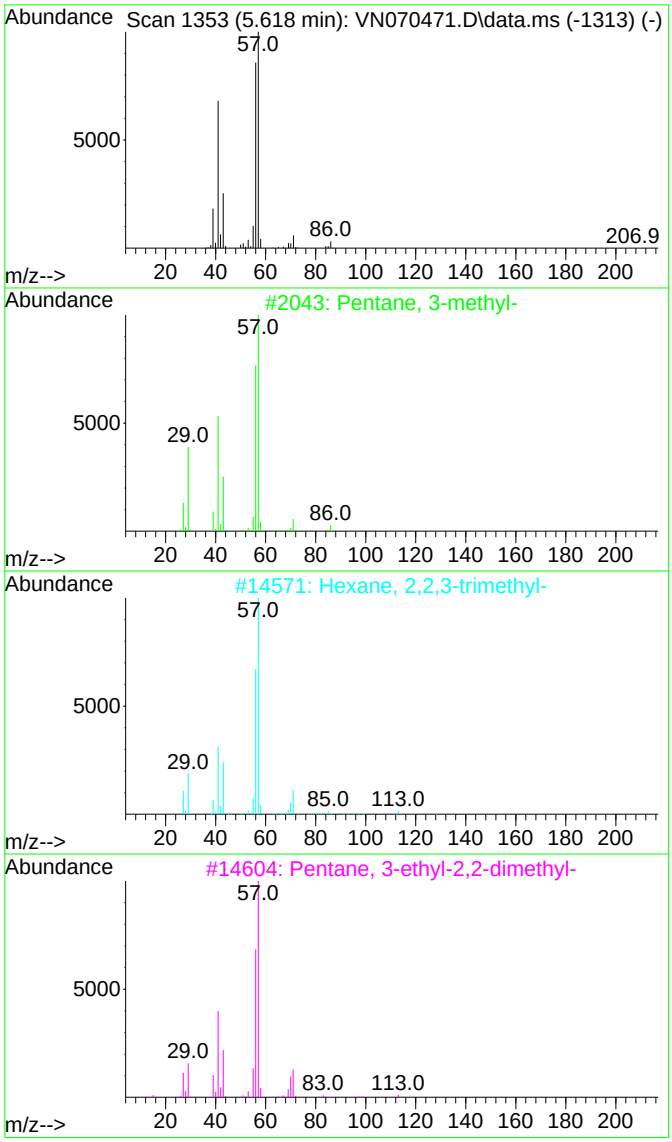
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

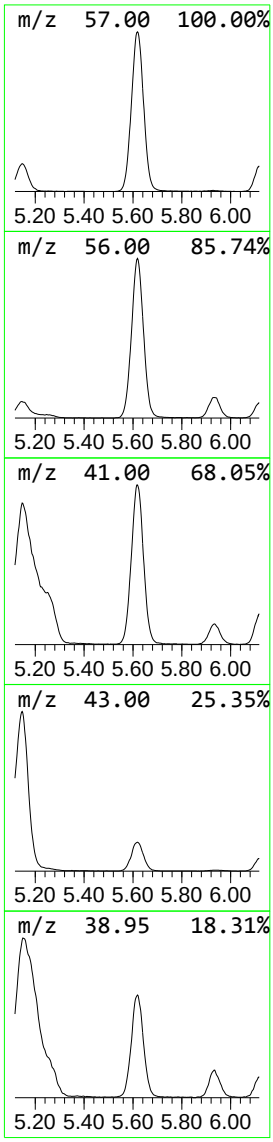
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Pentane, 3-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.618 | 29.91 ug/l | 3053030 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 64 |
| 4 | Butyl isocyanatoacetate | 157 | C7H11NO3 | 017046-22-9 | 40 |
| 5 | Pentane, 2,2,3-trimethyl- | 114 | C8H18 | 000564-02-3 | 39 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

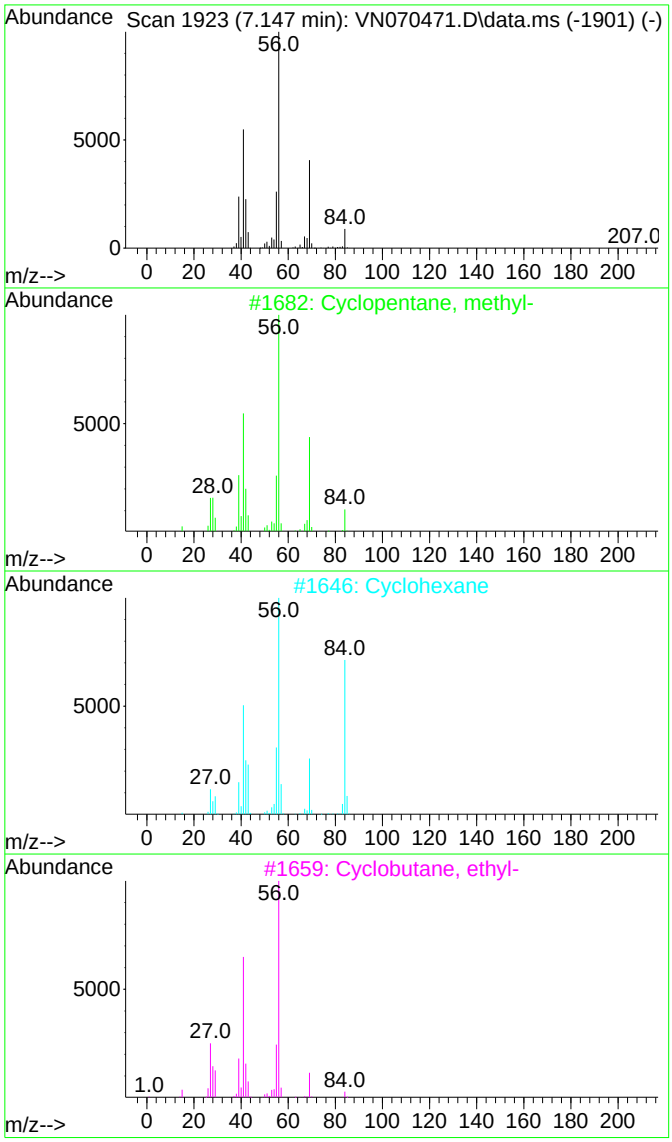
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

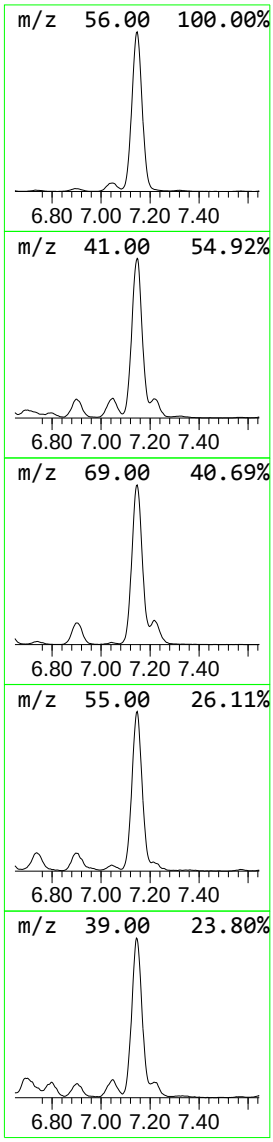
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Cyclopentane, methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.147 | 48.15 ug/l | 4915250 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 83 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 4 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 53 |
| 5 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

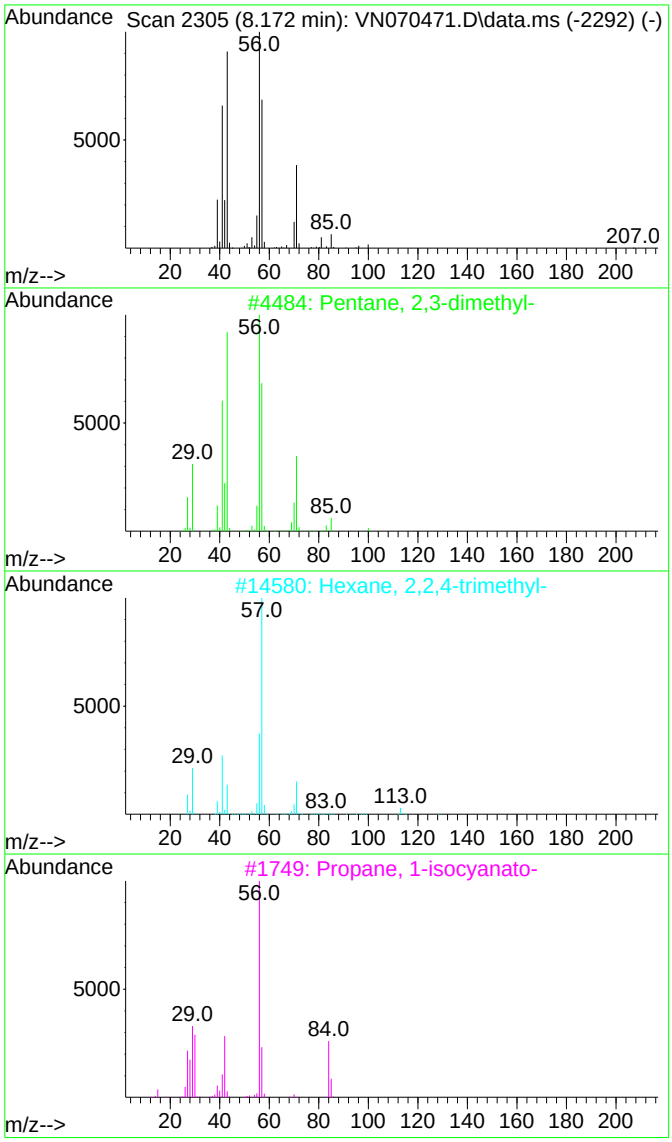
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

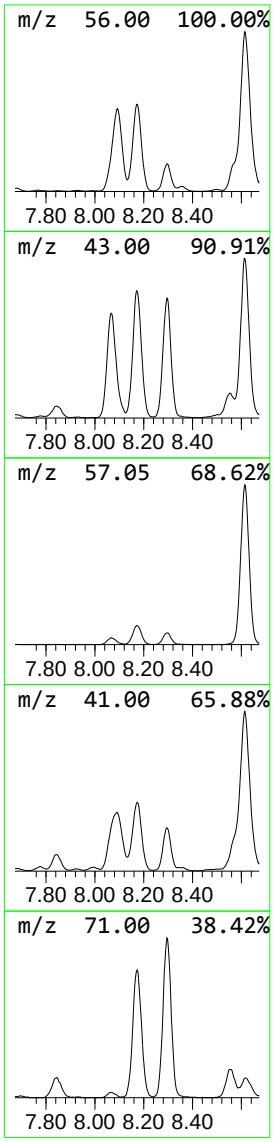
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.172 | 17.42 ug/l | 1778530 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 42 |
| 3 | Propane, 1-isocyanato- | 85 | C4H7NO | 000110-78-1 | 38 |
| 4 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 38 |
| 5 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 37 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

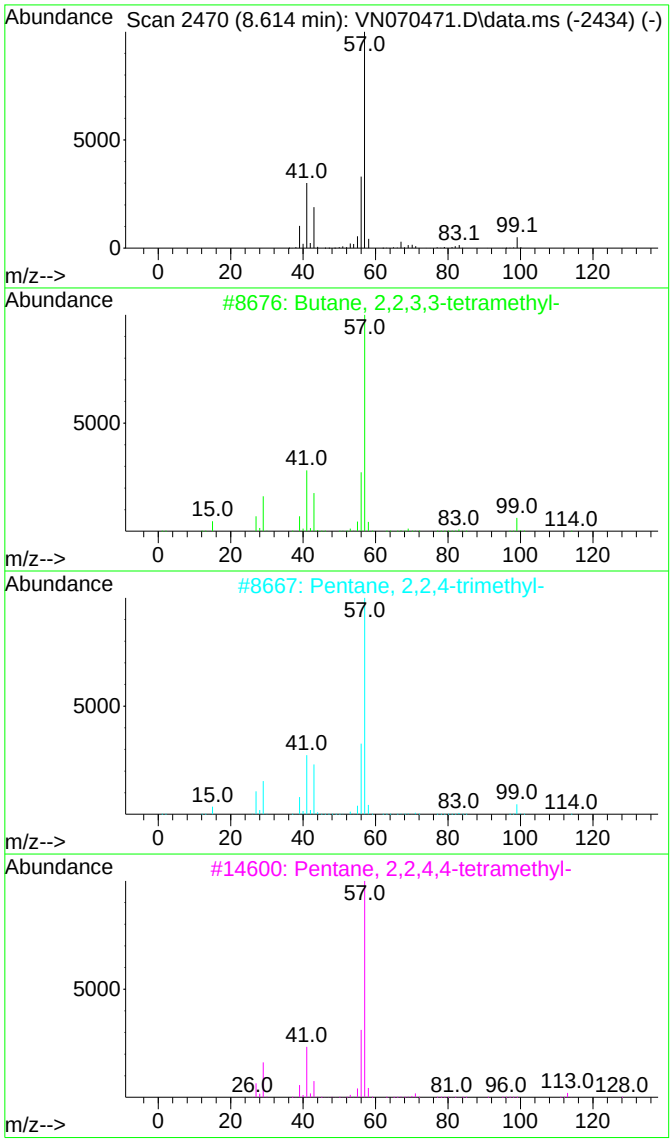
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

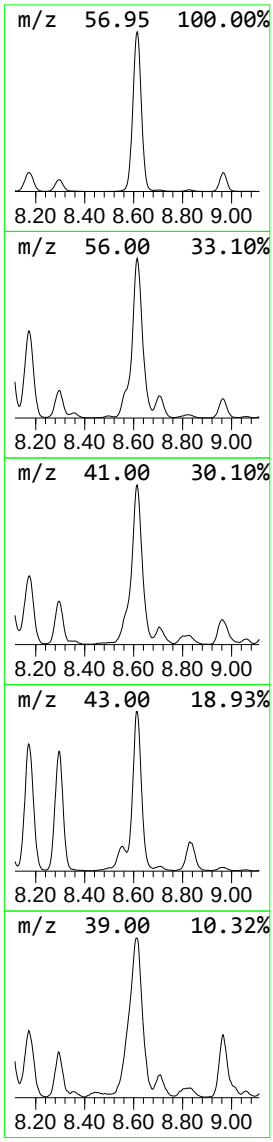
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.614 | 54.49 ug/l | 5610090 | 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 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 59 |
| 4 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 59 |
| 5 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

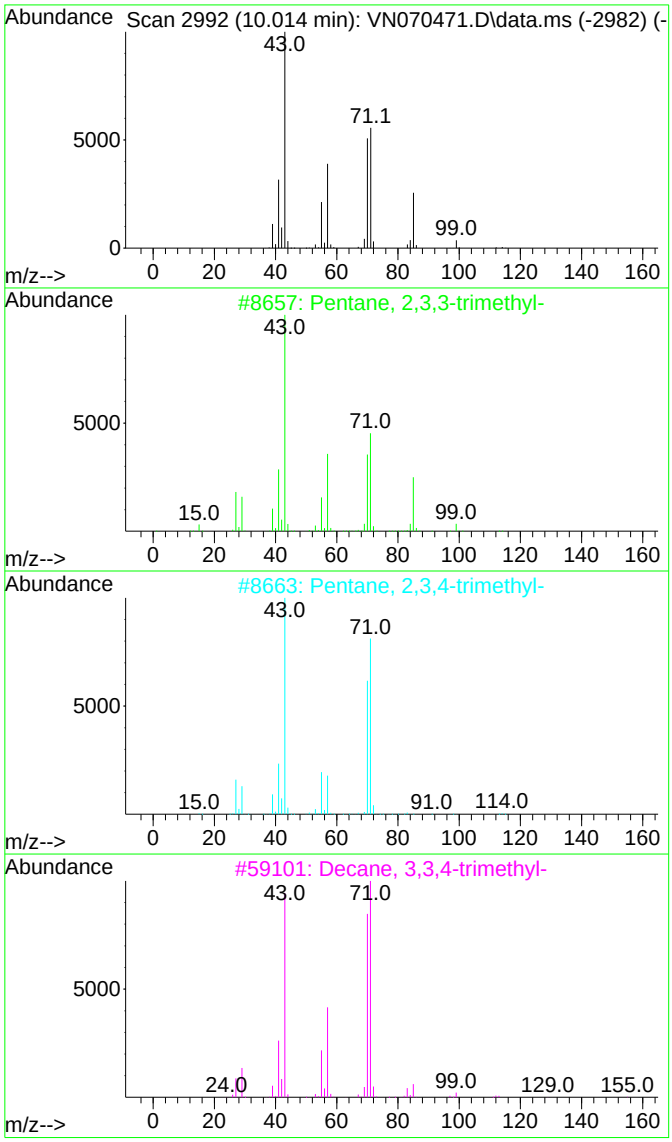
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

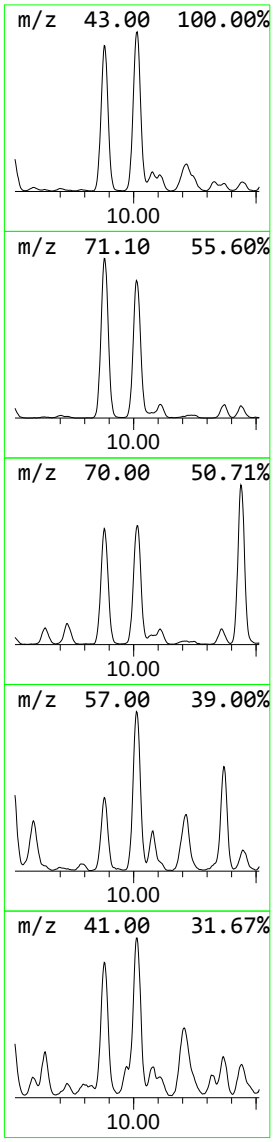
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.014 | 14.83 ug/l | 1527280 | 1,4-Difluorobenzene | 8.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,3-trimethyl- | 114 | C8H18 | 000560-21-4 | 72 |
| 2 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 72 |
| 3 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 53 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 50 |
| 5 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

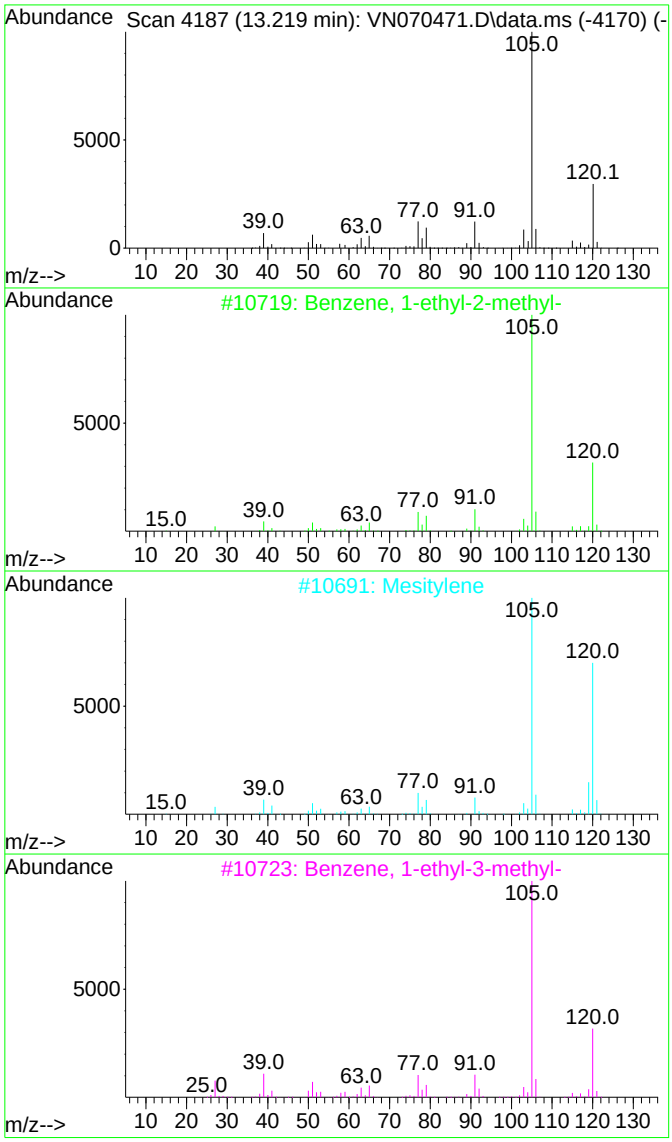
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

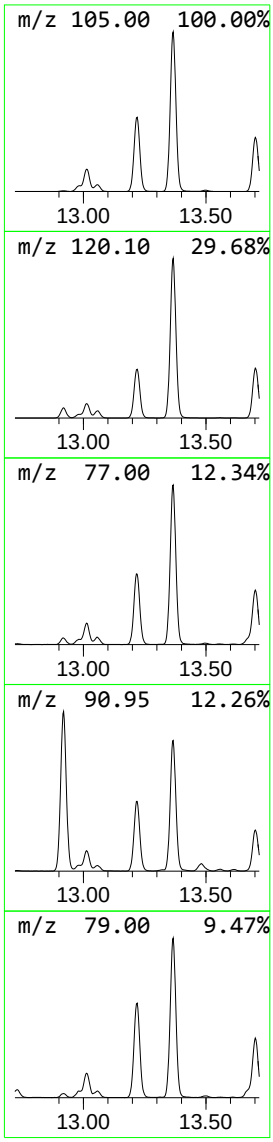
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.219 | 93.39 ug/l | 6834320 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 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 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

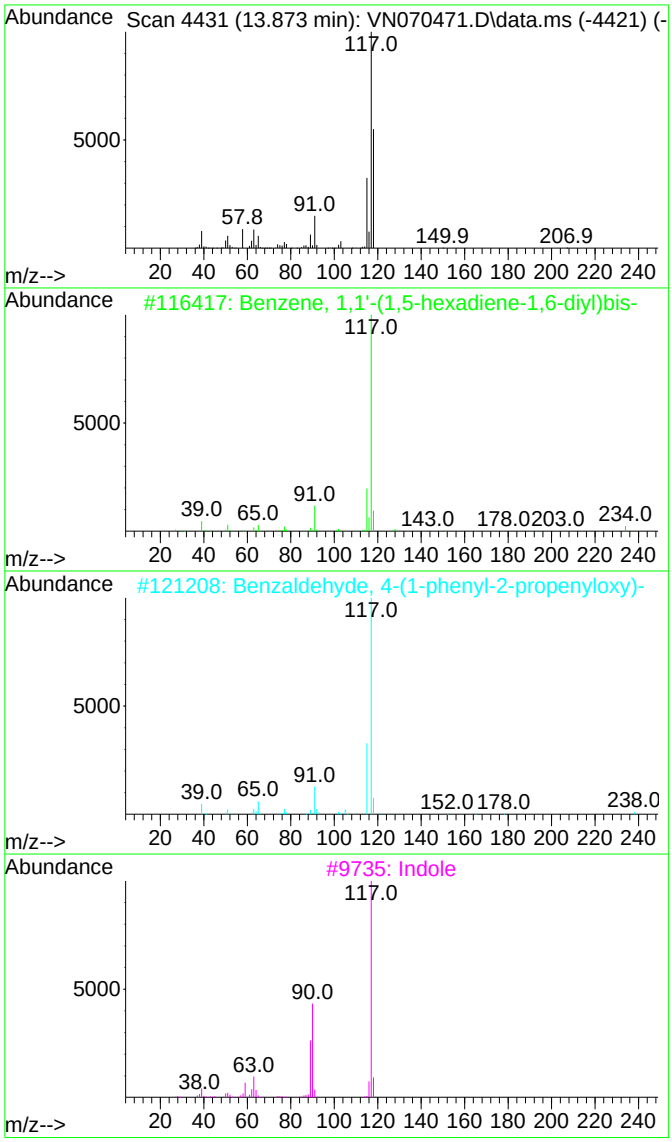
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

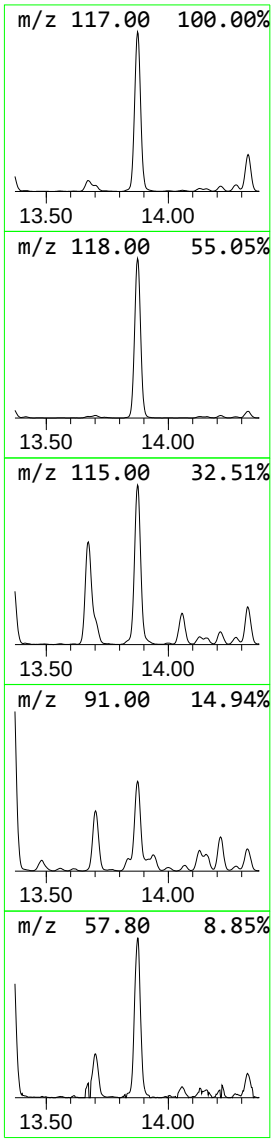
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.873 | 65.85 ug/l | 4819100 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 | C18H18 | 004439-45-6 | 59 |
| 2 | Benzaldehyde, 4-(1-phenyl-2-prop... | 238 | C16H14O2 | 1000277-56-1 | 53 |
| 3 | Indole | 117 | C8H7N | 000120-72-9 | 49 |
| 4 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 45 |
| 5 | 4-Ethynylaniline | 117 | C8H7N | 014235-81-5 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

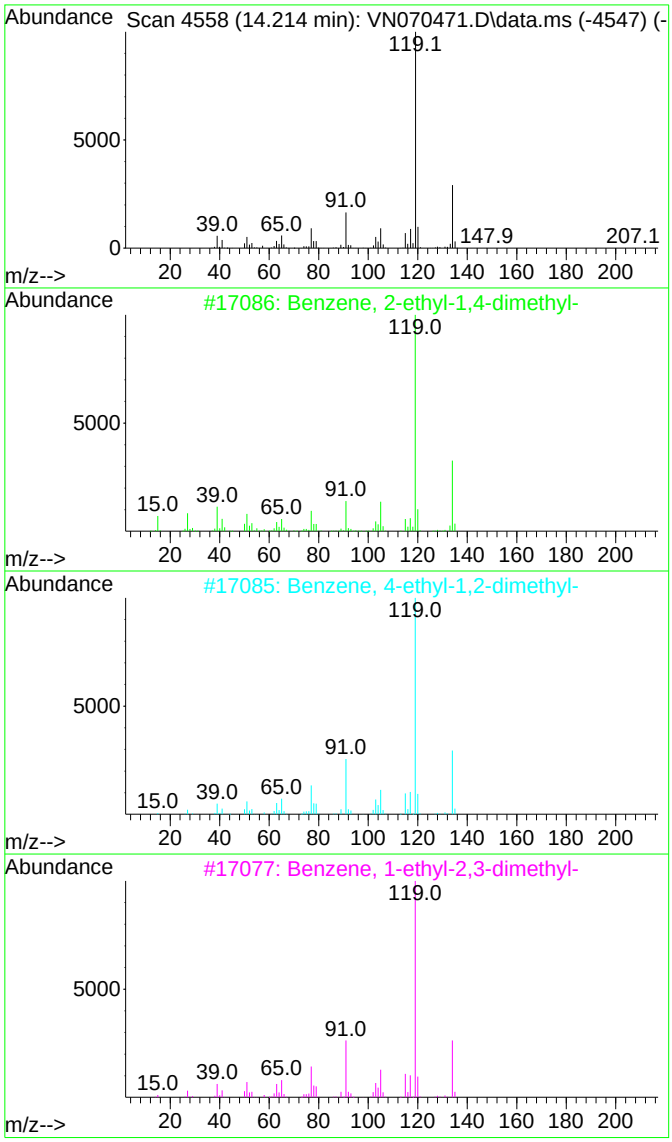
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

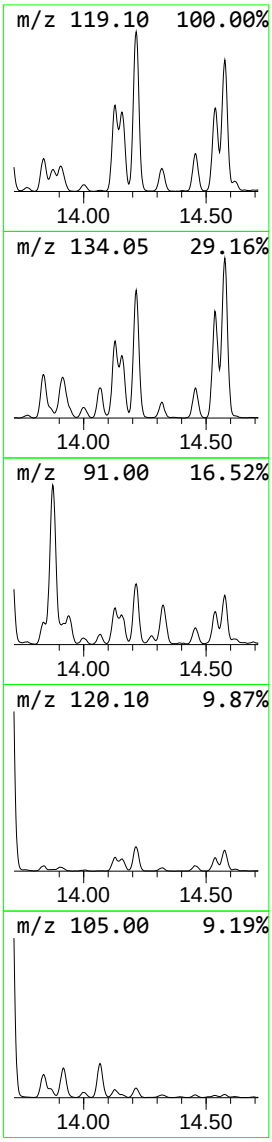
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.214 | 22.24 ug/l | 1627400 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

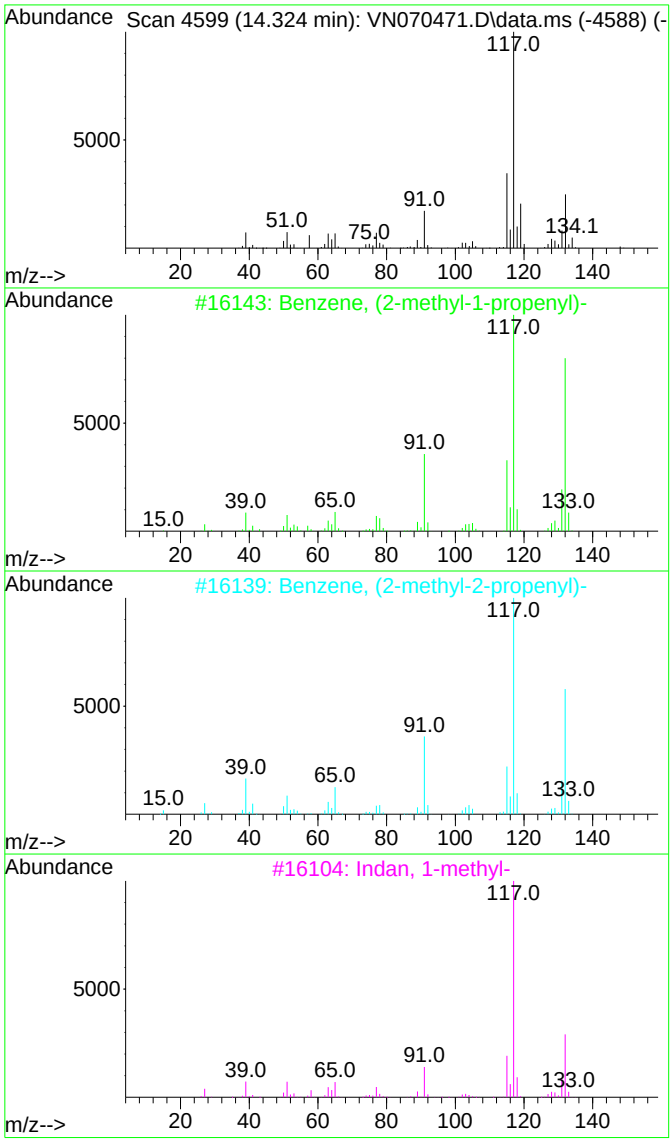
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

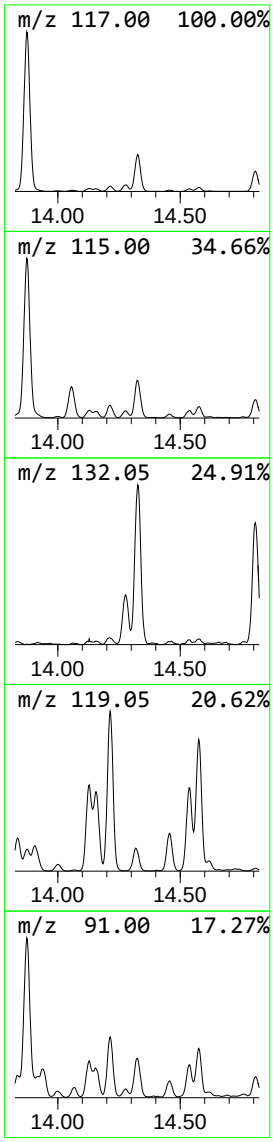
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, (2-methyl-1-propen... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.324 | 18.62 ug/l | 1362760 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 80 |
| 2 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 80 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 76 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

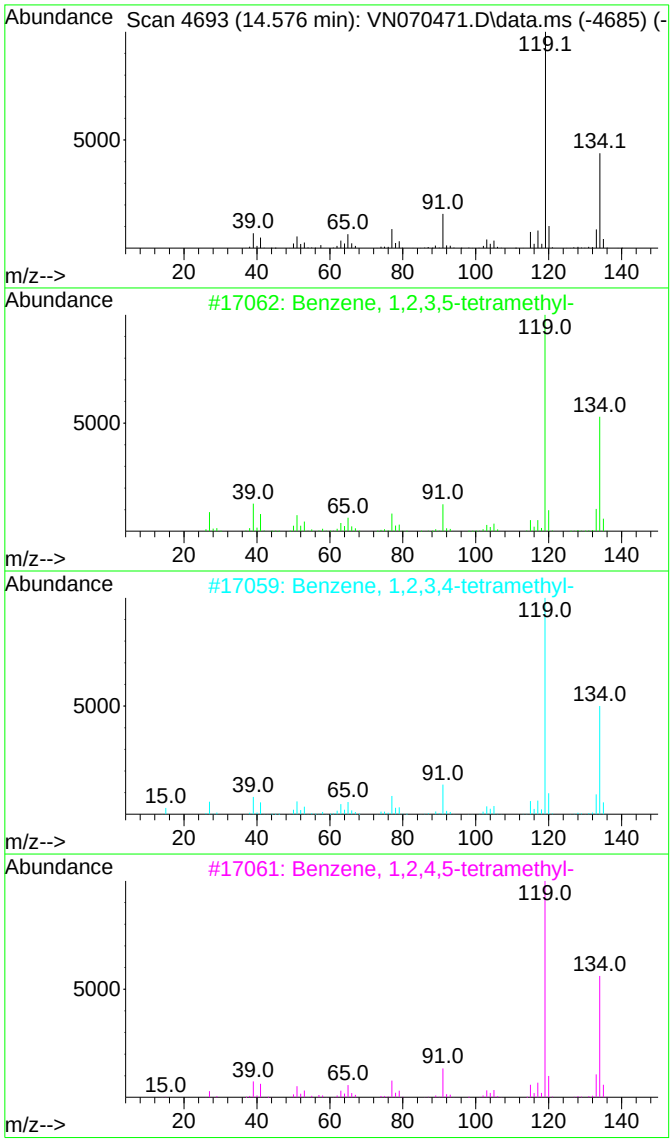
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

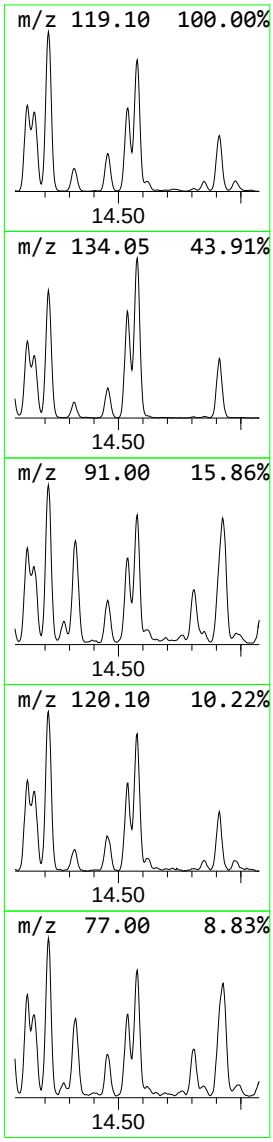
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.576 | 17.78 ug/l | 1301230 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 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 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

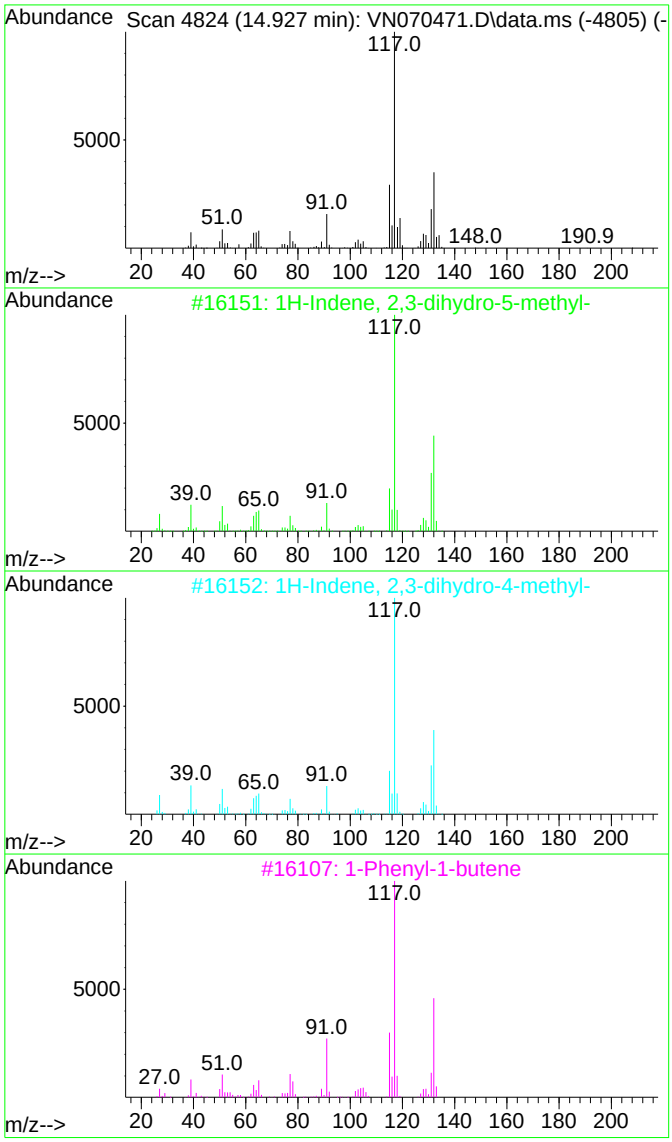
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

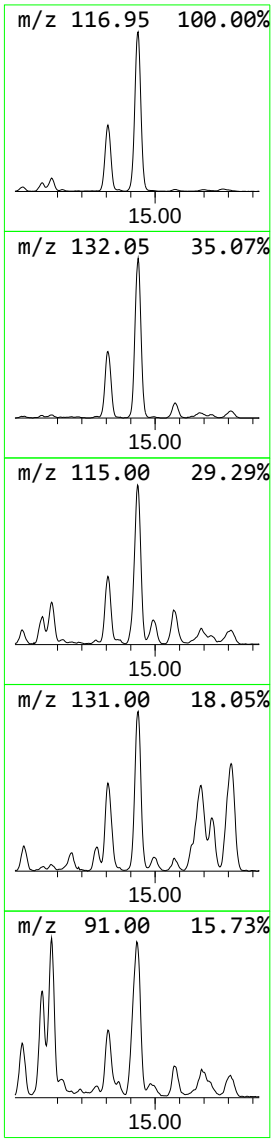
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.927 | 33.19 ug/l | 2428830 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 93 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 93 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 91 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

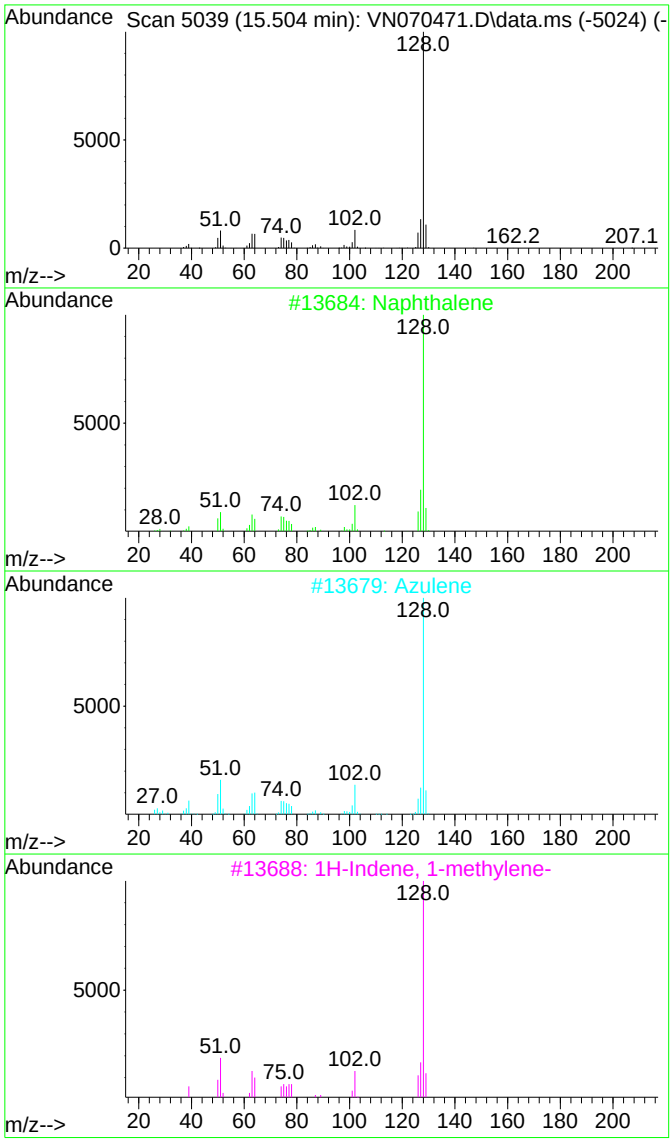
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

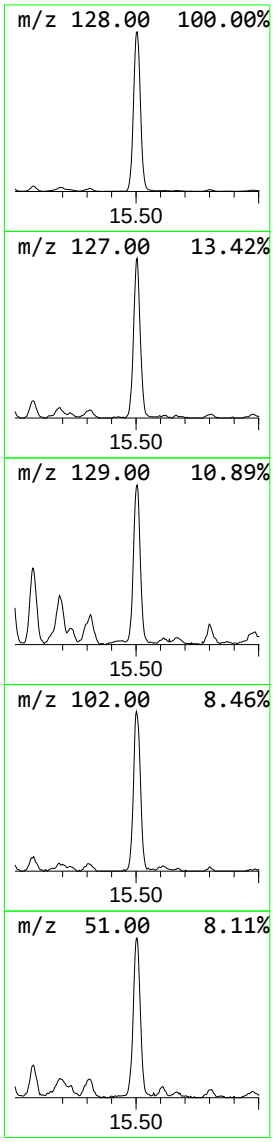
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Azulene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.504 | 15.81 ug/l | 1157270 | 1,4-Dichlorobenzene-d4 | 13.672 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 97 |
| 2 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 3 | 1H-Indene, 1-methylene- | 128 | C10H8 | 002471-84-3 | 91 |
| 4 | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 74 |
| 5 | 4-Fluorothiophenol | 128 | C6H5FS | 000371-42-6 | 56 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070471.D
Acq On : 4 Jan 2022 18:24
Operator : JC/MD
Sample : M5251-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.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-methyl- | 3.143 | 109.7 | ug/l | 11197700 | 1 | 8.086 | 5104500 | 50.0 |
| Pentane | 3.516 | 26.6 | ug/l | 2710070 | 1 | 8.086 | 5104500 | 50.0 |
| Butane, 2,3-dim... | 5.082 | 16.4 | ug/l | 1669420 | 1 | 8.086 | 5104500 | 50.0 |
| Pentane, 3-methyl- | 5.618 | 29.9 | ug/l | 3053030 | 1 | 8.086 | 5104500 | 50.0 |
| Cyclopentane, m... | 7.147 | 48.1 | ug/l | 4915250 | 1 | 8.086 | 5104500 | 50.0 |
| Pentane, 2,3-di... | 8.172 | 17.4 | ug/l | 1778530 | 1 | 8.086 | 5104500 | 50.0 |
| Butane, 2,2,3,3... | 8.614 | 54.5 | ug/l | 5610090 | 2 | 8.965 | 5148210 | 50.0 |
| Pentane, 2,3,3-... | 10.014 | 14.8 | ug/l | 1527280 | 2 | 8.965 | 5148210 | 50.0 |
| Benzene, 1-ethy... | 13.219 | 93.4 | ug/l | 6834320 | 4 | 13.672 | 3659090 | 50.0 |
| Benzene, 1,1'-(... | 13.873 | 65.8 | ug/l | 4819100 | 4 | 13.672 | 3659090 | 50.0 |
| Benzene, 2-ethy... | 14.214 | 22.2 | ug/l | 1627400 | 4 | 13.672 | 3659090 | 50.0 |
| Benzene, (2-met... | 14.324 | 18.6 | ug/l | 1362760 | 4 | 13.672 | 3659090 | 50.0 |
| Benzene, 1,2,3,... | 14.576 | 17.8 | ug/l | 1301230 | 4 | 13.672 | 3659090 | 50.0 |
| 1H-Indene, 2,3-... | 14.927 | 33.2 | ug/l | 2428830 | 4 | 13.672 | 3659090 | 50.0 |
| Azulene | 15.504 | 15.8 | ug/l | 1157270 | 4 | 13.672 | 3659090 | 50.0 |