LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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: VN069914.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 | 80 | 91 | 103 | rBV | 220952 | 520355 | 6.12% | 0.968% |
| 2 | 2.446 | 162 | 170 | 182 | rVB | 123961 | 187557 | 2.21% | 0.349% |
| 3 | 3.143 | 414 | 430 | 454 | rVB | 502120 | 1141620 | 13.43% | 2.123% |
| 4 | 4.256 | 825 | 845 | 881 | rVB5 | 41912 | 178452 | 2.10% | 0.332% |
| 5 | 5.082 | 1120 | 1153 | 1171 | rBV4 | 143992 | 575835 | 6.77% | 1.071% |
| 6 | 5.374 | 1237 | 1262 | 1292 | rBV3 | 136497 | 510891 | 6.01% | 0.950% |
| 7 | 5.618 | 1328 | 1353 | 1382 | rVB4 | 139350 | 480034 | 5.65% | 0.893% |
| 8 | 6.498 | 1660 | 1681 | 1704 | rVB2 | 41286 | 128804 | 1.51% | 0.240% |
| 9 | 7.147 | 1900 | 1923 | 1943 | rBV3 | 211488 | 627926 | 7.39% | 1.168% |
| 10 | 8.021 | 2226 | 2249 | 2260 | rBV | 964477 | 2295715 | 27.00% | 4.269% |
| 11 | 8.086 | 2261 | 2273 | 2298 | rVB | 1724784 | 4026804 | 47.36% | 7.489% |
| 12 | 8.437 | 2384 | 2404 | 2427 | rBV | 1099521 | 2562705 | 30.14% | 4.766% |
| 13 | 8.536 | 2428 | 2441 | 2460 | rVV3 | 130009 | 310145 | 3.65% | 0.577% |
| 14 | 8.968 | 2582 | 2602 | 2642 | rBV | 2701186 | 5742776 | 67.55% | 10.680% |
| 15 | 9.971 | 2960 | 2976 | 2990 | rBV2 | 146796 | 290102 | 3.41% | 0.540% |
| 16 | 10.202 | 3042 | 3062 | 3067 | rBV2 | 94626 | 175659 | 2.07% | 0.327% |
| 17 | 10.441 | 3132 | 3151 | 3181 | rBV | 4420996 | 8237657 | 96.89% | 15.320% |
| 18 | 10.550 | 3182 | 3192 | 3213 | rVV2 | 127281 | 291350 | 3.43% | 0.542% |
| 19 | 10.642 | 3213 | 3226 | 3240 | rVV3 | 85061 | 161693 | 1.90% | 0.301% |
| 20 | 10.717 | 3241 | 3254 | 3271 | rVB2 | 67090 | 122855 | 1.45% | 0.228% |
| 21 | 11.130 | 3399 | 3408 | 3422 | rVB | 88521 | 157497 | 1.85% | 0.293% |
| 22 | 11.623 | 3575 | 3592 | 3618 | rBV7 | 51563 | 157922 | 1.86% | 0.294% |
| 23 | 11.744 | 3618 | 3637 | 3671 | rBV | 4684846 | 8501915 | 100.00% | 15.811% |
| 24 | 12.731 | 3988 | 4005 | 4037 | rBV | 3577782 | 6398713 | 75.26% | 11.900% |
| 25 | 13.675 | 4340 | 4357 | 4383 | rBV | 3899290 | 6886510 | 81.00% | 12.807% |
| 26 | 13.876 | 4411 | 4432 | 4463 | rVB | 1693881 | 2967851 | 34.91% | 5.519% |
| 27 | 14.329 | 4590 | 4601 | 4616 | rVB2 | 76238 | 132307 | 1.56% | 0.246% |

Sum of corrected areas: 53771650

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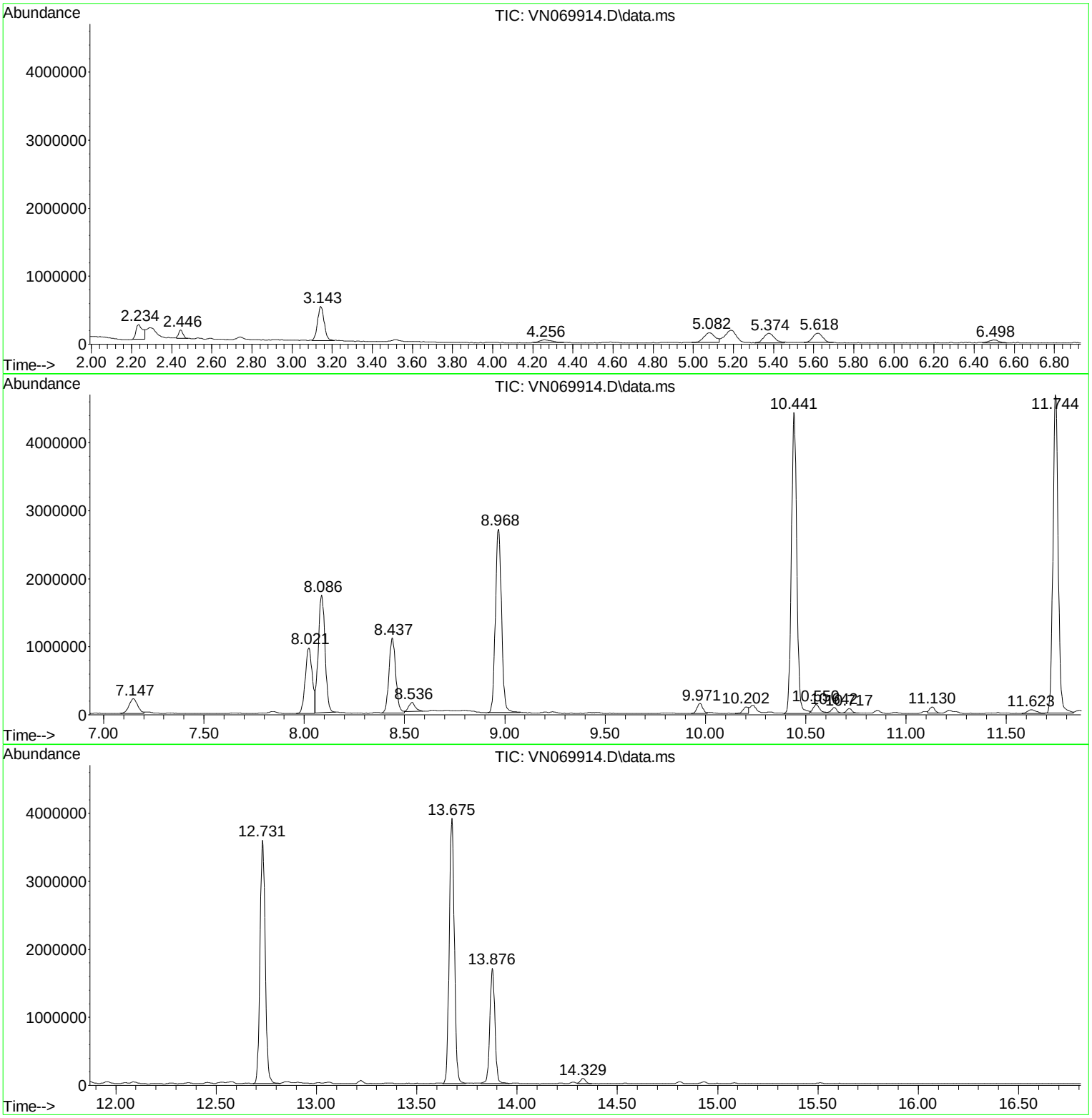
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
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Quant Title : SW846 8260

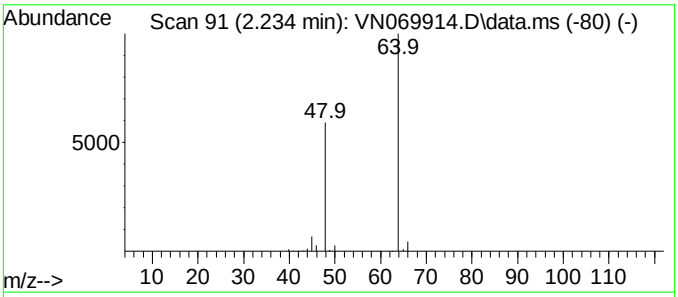
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

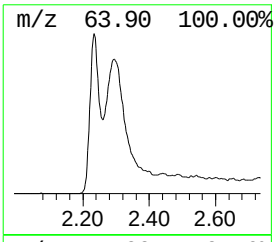
**********

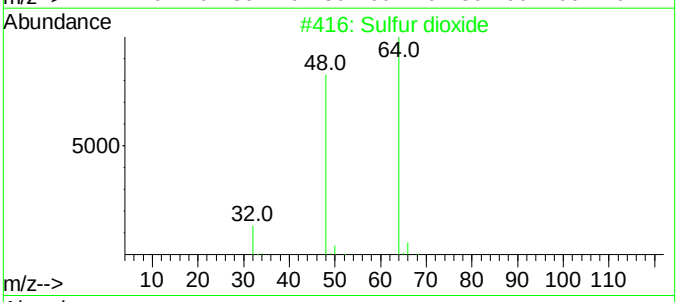
Peak Number 1 Sulfur dioxide Concentration Rank 5

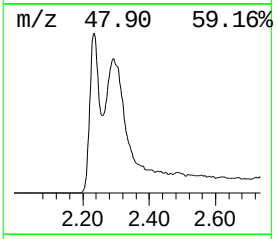
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.234 | 6.46 ug/l | 520355 | Pentafluorobenzene | 8.086 |

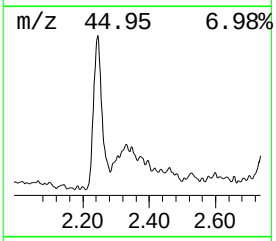
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 83 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 3 | Ethene, 1,2-difluoro- | 64 | C2H2F2 | 001691-13-0 | 5 |
| 4 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 4 |
| 5 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 3 |

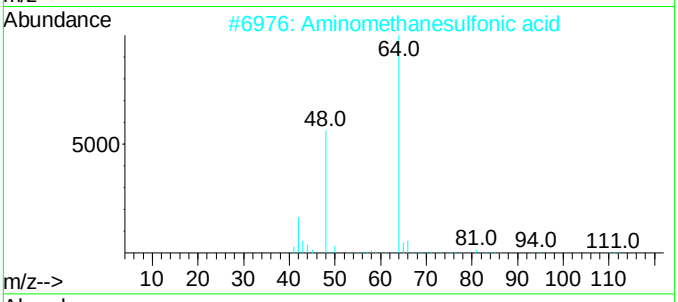


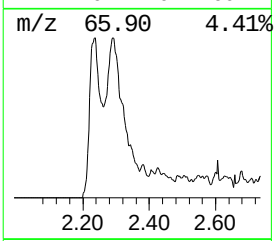



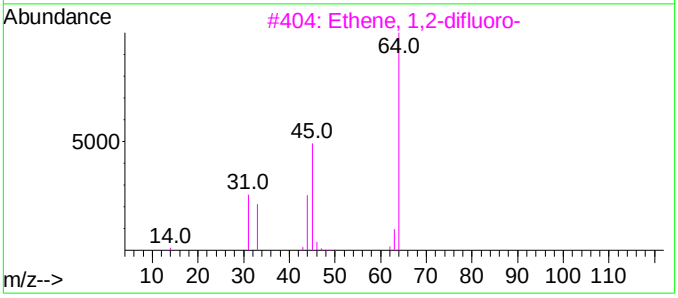



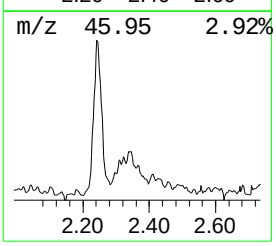



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Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

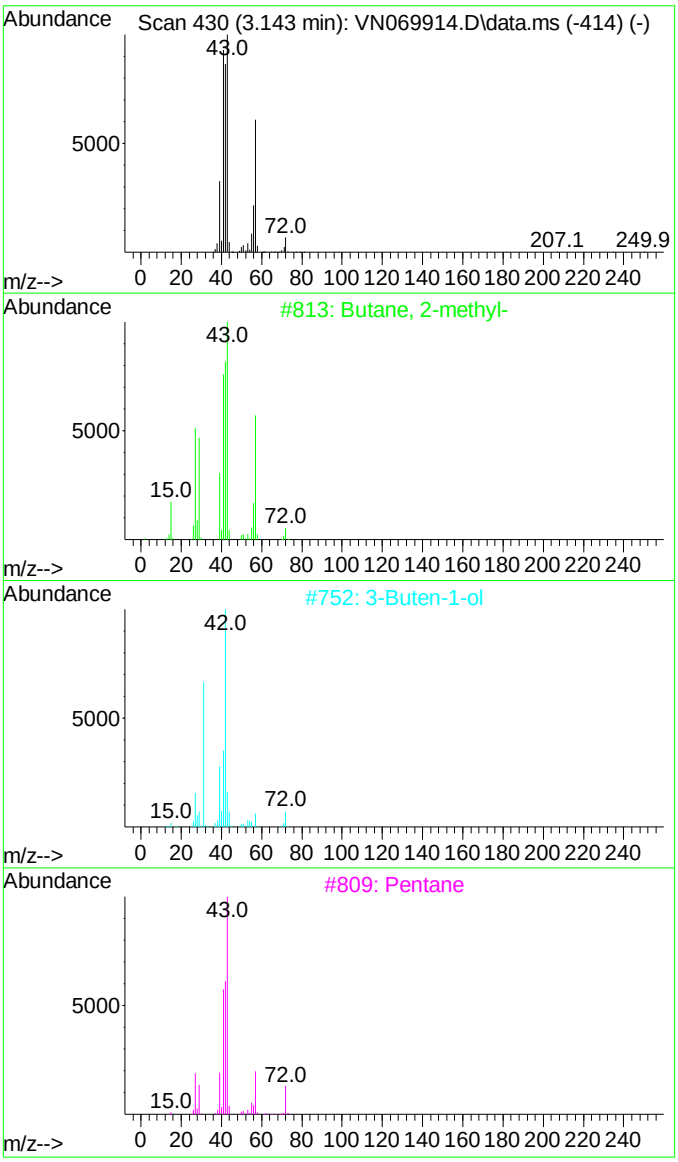
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

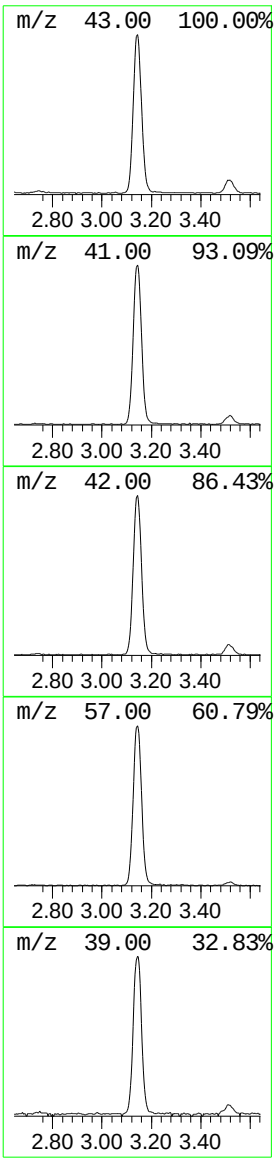
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.143 | 14.18 ug/l | 1141620 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 87 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 42 |
| 4 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 38 |
| 5 | 2,5-Furandione, dihydro-3-methyl- | 114 | C5H6O3 | 004100-80-5 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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

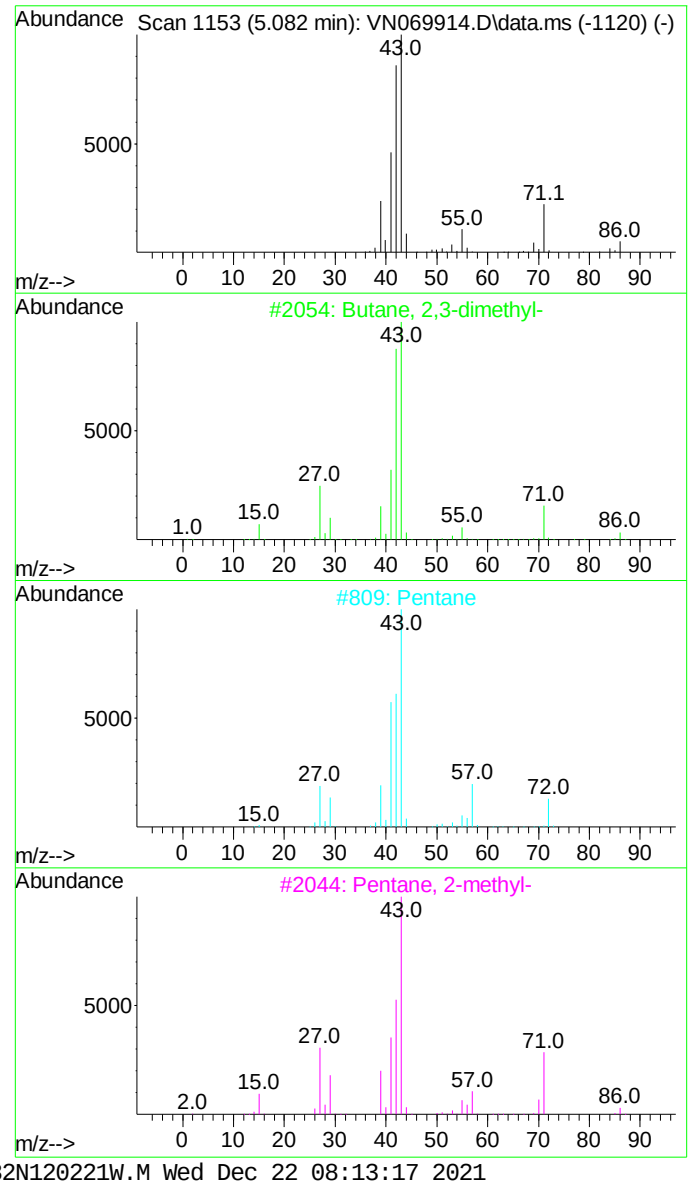
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

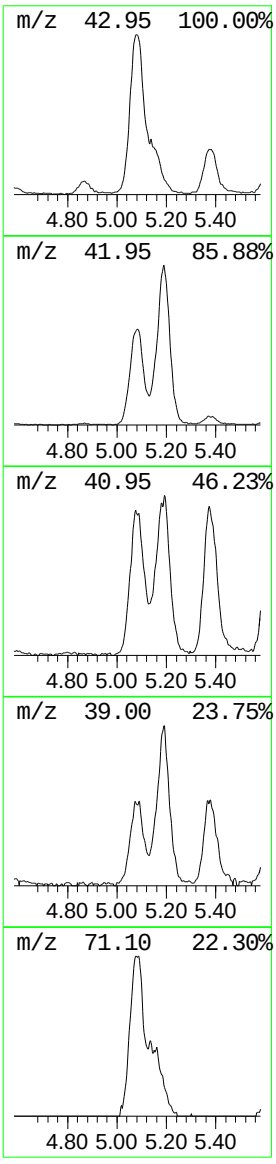
**********

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.082 | 7.15 ug/l | 575835 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 86 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 3 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 17 |
| 4 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 9 |
| 5 | 1-Hexene, 4,5-dimethyl- | 112 | C8H16 | 016106-59-5 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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

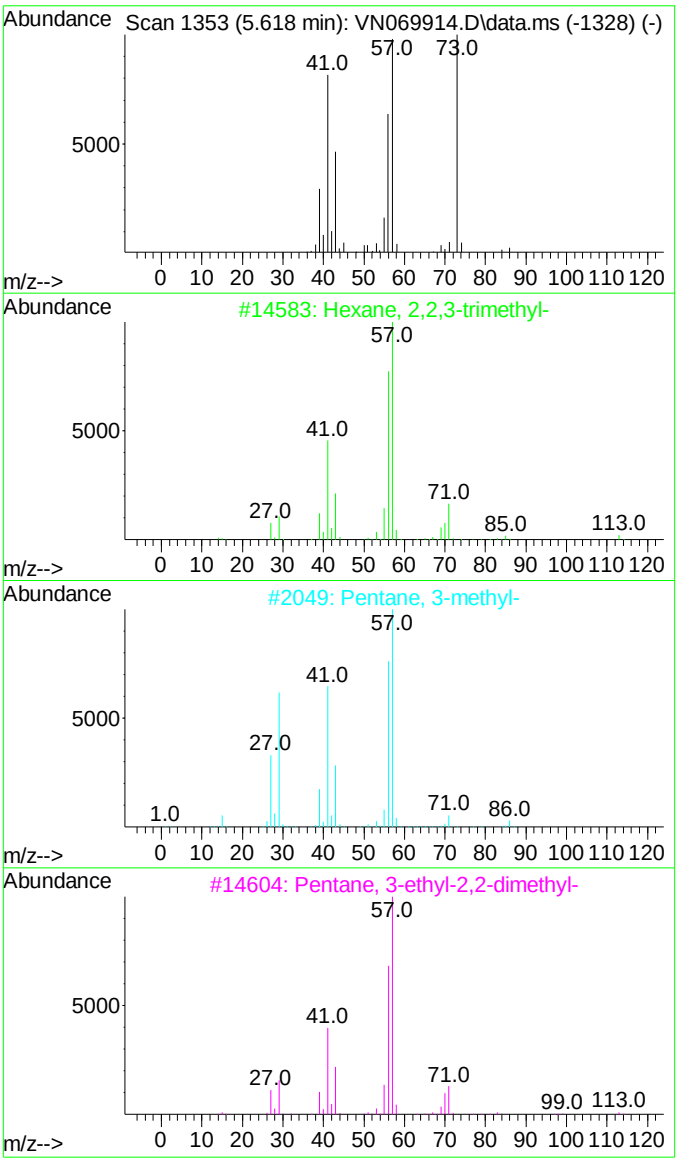
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

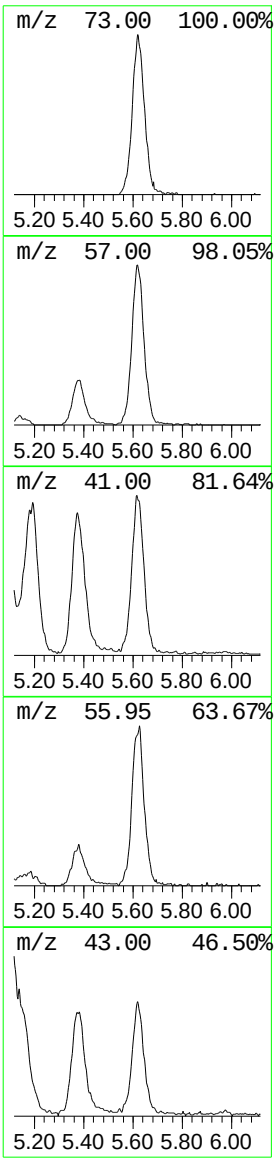
**********

Peak Number 4 Hexane, 2,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.618 | 5.96 ug/l | 480034 | Pentafluorobenzene | 8.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 59 |
| 2 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 50 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 42 |
| 4 | Propane, 2-cyclopropyl- | 84 | C6H12 | 003638-35-5 | 38 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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

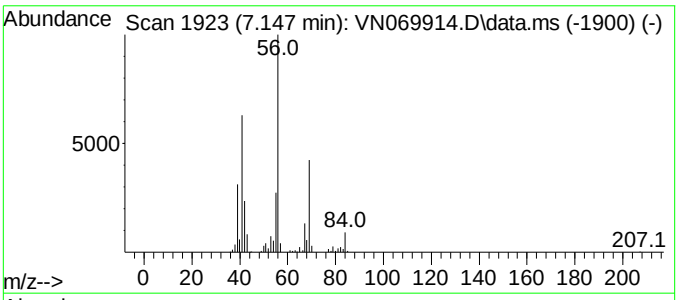
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

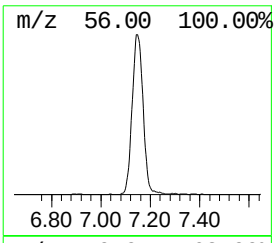
**********

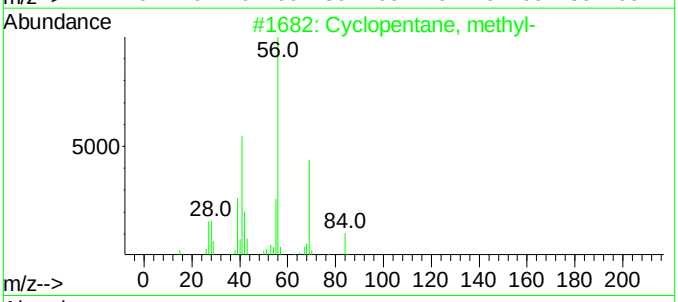
Peak Number 5 Cyclopentane, methyl- Concentration Rank 3

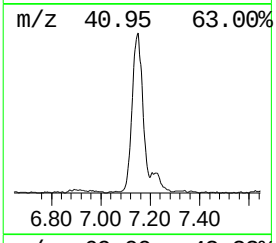
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.147 | 7.80 ug/l | 627926 | Pentafluorobenzene | 8.086 |

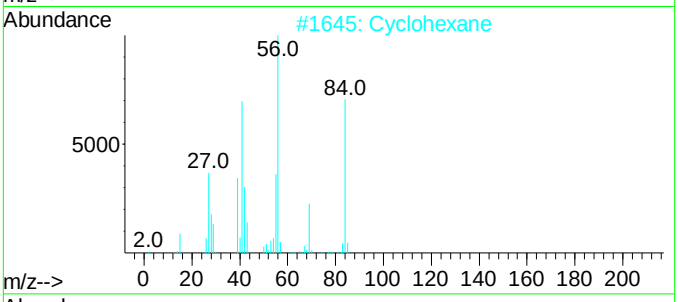
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 80 |
| 3 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 80 |
| 4 | Propane, 2-cyclopropyl- | 84 | C6H12 | 003638-35-5 | 59 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 59 |

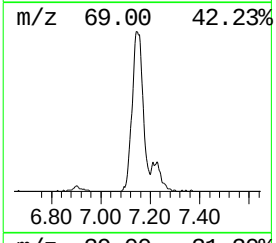


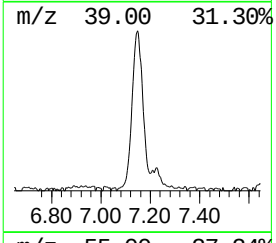



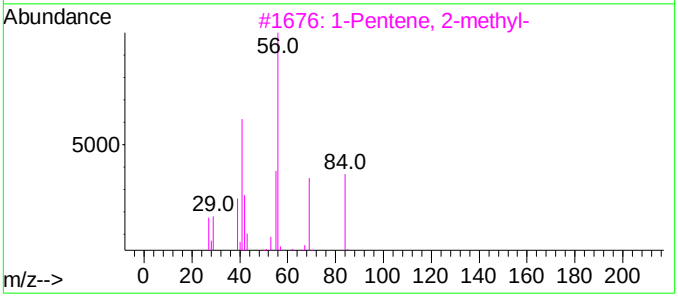



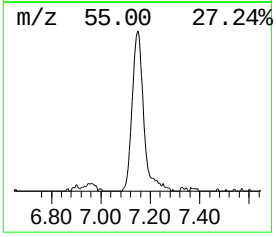



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ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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

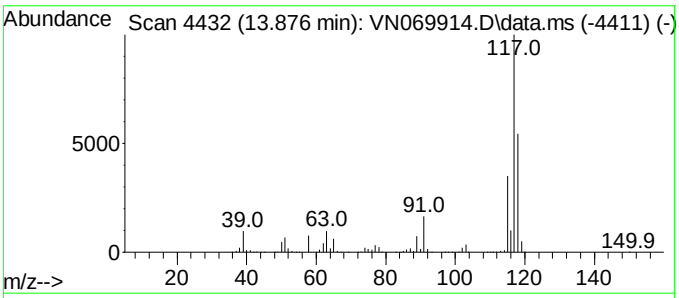
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

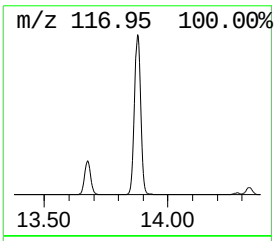
**********

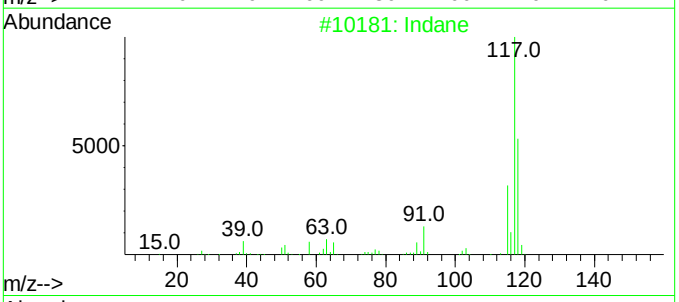
Peak Number 6 Indane Concentration Rank 1

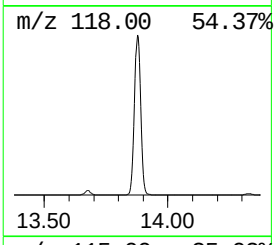
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.876 | 21.55 ug/l | 2967850 | 1,4-Dichlorobenzene-d4 | 13.675 |

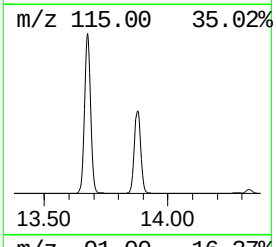
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 83 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 74 |
| 4 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 68 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 68 |

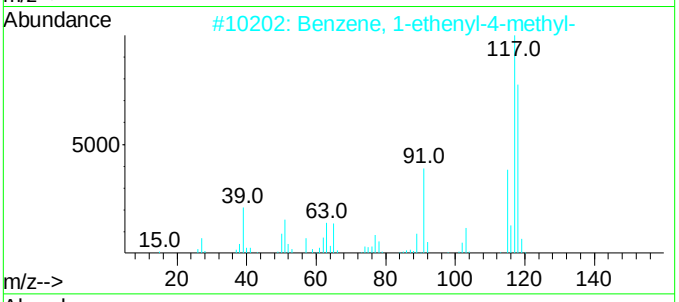


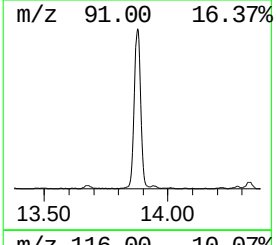



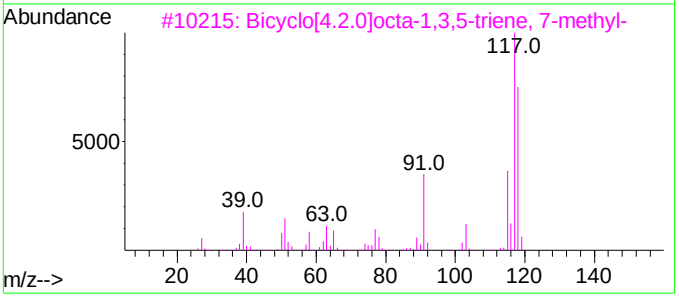



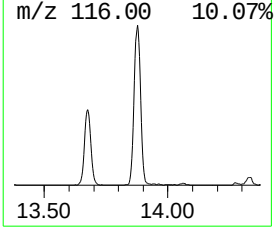



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069914.D
Acq On : 9 Dec 2021 16:21
Operator : JC/MD
Sample : M4940-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-24

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 |
| Sulfur dioxide | 2.234 | 6.5 | ug/l | 520355 | 1 | 8.086 | 4026800 | 50.0 |
| Butane, 2-methyl- | 3.143 | 14.2 | ug/l | 1141620 | 1 | 8.086 | 4026800 | 50.0 |
| Butane, 2,3-dim... | 5.082 | 7.2 | ug/l | 575835 | 1 | 8.086 | 4026800 | 50.0 |
| Hexane, 2,2,3-t... | 5.618 | 6.0 | ug/l | 480034 | 1 | 8.086 | 4026800 | 50.0 |
| Cyclopentane, m... | 7.147 | 7.8 | ug/l | 627926 | 1 | 8.086 | 4026800 | 50.0 |
| Indane | 13.876 | 21.6 | ug/l | 2967850 | 4 | 13.675 | 6886510 | 50.0 |