LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

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_X\Method\82X112222W.M
Title : SW846 8260

Signal : TIC: VX033043.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.246 | 22 | 26 | 42 | rBV | 138247 | 228617 | 14.18% | 3.757% |
| 2 | 1.374 | 42 | 47 | 54 | rVB | 19265 | 23009 | 1.43% | 0.378% |
| 3 | 1.752 | 105 | 109 | 121 | rVB | 29312 | 39375 | 2.44% | 0.647% |
| 4 | 2.221 | 180 | 186 | 194 | rVB | 20638 | 32310 | 2.00% | 0.531% |
| 5 | 2.752 | 264 | 273 | 283 | rBV2 | 9422 | 28833 | 1.79% | 0.474% |
| 6 | 2.867 | 284 | 292 | 302 | rVV | 23783 | 53923 | 3.34% | 0.886% |
| 7 | 2.989 | 302 | 312 | 325 | rVV2 | 24702 | 97996 | 6.08% | 1.610% |
| 8 | 3.111 | 325 | 332 | 342 | rVB | 42411 | 97822 | 6.07% | 1.608% |
| 9 | 3.758 | 426 | 438 | 447 | rBV4 | 11492 | 35592 | 2.21% | 0.585% |
| 10 | 4.306 | 518 | 528 | 539 | rBV3 | 21185 | 62159 | 3.86% | 1.022% |
| 11 | 5.385 | 693 | 705 | 714 | rBV2 | 62440 | 184517 | 11.44% | 3.032% |
| 12 | 5.471 | 714 | 719 | 724 | rVV3 | 11033 | 29599 | 1.84% | 0.486% |
| 13 | 5.556 | 724 | 733 | 745 | rVB | 131855 | 374964 | 23.26% | 6.162% |
| 14 | 5.958 | 787 | 799 | 804 | rBV | 69295 | 179200 | 11.11% | 2.945% |
| 15 | 6.038 | 804 | 812 | 828 | rVB | 609228 | 1612364 | 100.00% | 26.497% |
| 16 | 6.202 | 830 | 839 | 844 | rBV4 | 7029 | 19943 | 1.24% | 0.328% |
| 17 | 6.763 | 919 | 931 | 941 | rBV | 204494 | 484736 | 30.06% | 7.966% |
| 18 | 8.647 | 1234 | 1240 | 1248 | rBV | 326453 | 505580 | 31.36% | 8.309% |
| 19 | 8.720 | 1248 | 1252 | 1260 | rVB | 12117 | 19223 | 1.19% | 0.316% |
| 20 | 8.958 | 1282 | 1291 | 1299 | rVB | 16690 | 26928 | 1.67% | 0.443% |
| 21 | 9.049 | 1299 | 1306 | 1313 | rBV | 17713 | 28080 | 1.74% | 0.461% |
| 22 | 9.458 | 1364 | 1373 | 1385 | rVB2 | 20637 | 34407 | 2.13% | 0.565% |
| 23 | 10.055 | 1465 | 1471 | 1483 | rVB | 407782 | 564737 | 35.03% | 9.281% |
| 24 | 10.195 | 1489 | 1494 | 1503 | rBV | 104655 | 136183 | 8.45% | 2.238% |
| 25 | 10.964 | 1613 | 1620 | 1625 | rBV | 33529 | 42688 | 2.65% | 0.702% |
| 26 | 11.079 | 1634 | 1639 | 1649 | rBV | 275610 | 353601 | 21.93% | 5.811% |
| 27 | 11.305 | 1670 | 1676 | 1685 | rBV | 30759 | 39448 | 2.45% | 0.648% |
| 28 | 12.024 | 1788 | 1794 | 1802 | rBV | 428388 | 544401 | 33.76% | 8.947% |
| 29 | 12.244 | 1825 | 1830 | 1836 | rBV | 98761 | 124357 | 7.71% | 2.044% |
| 30 | 12.701 | 1900 | 1905 | 1913 | rVB | 28540 | 37308 | 2.31% | 0.613% |
| 31 | 13.292 | 1997 | 2002 | 2007 | rVB2 | 13481 | 17653 | 1.09% | 0.290% |
| 32 | 13.774 | 2075 | 2081 | 2091 | rBV | 19144 | 25489 | 1.58% | 0.419% |

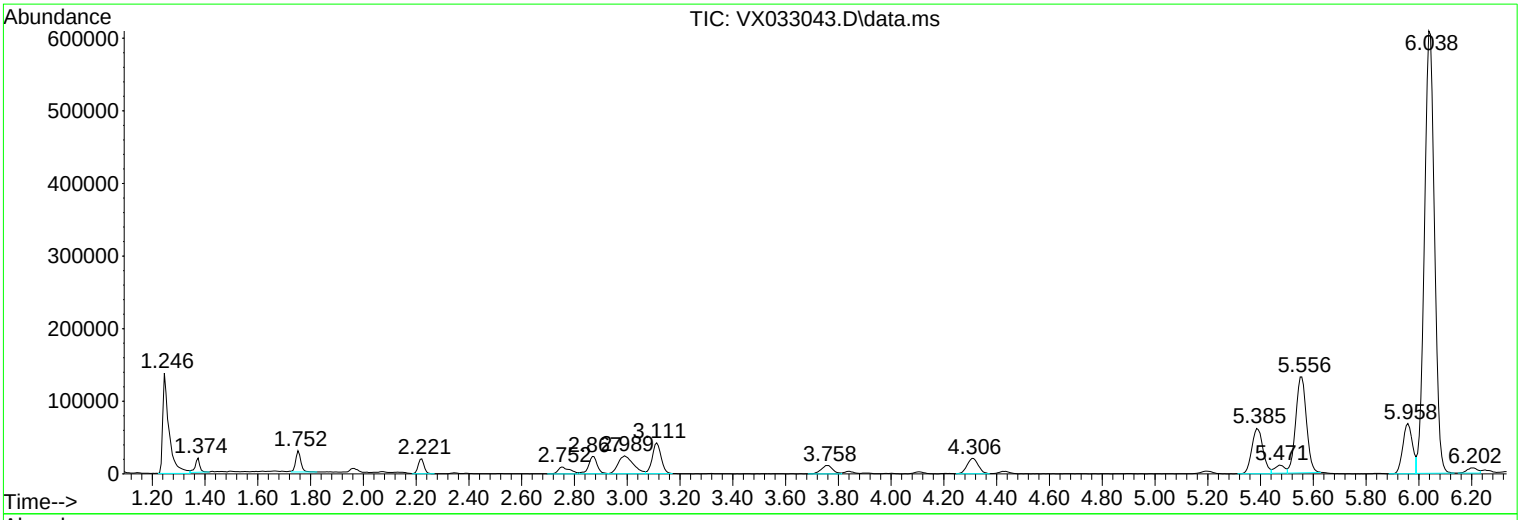
Sum of corrected areas: 6085042

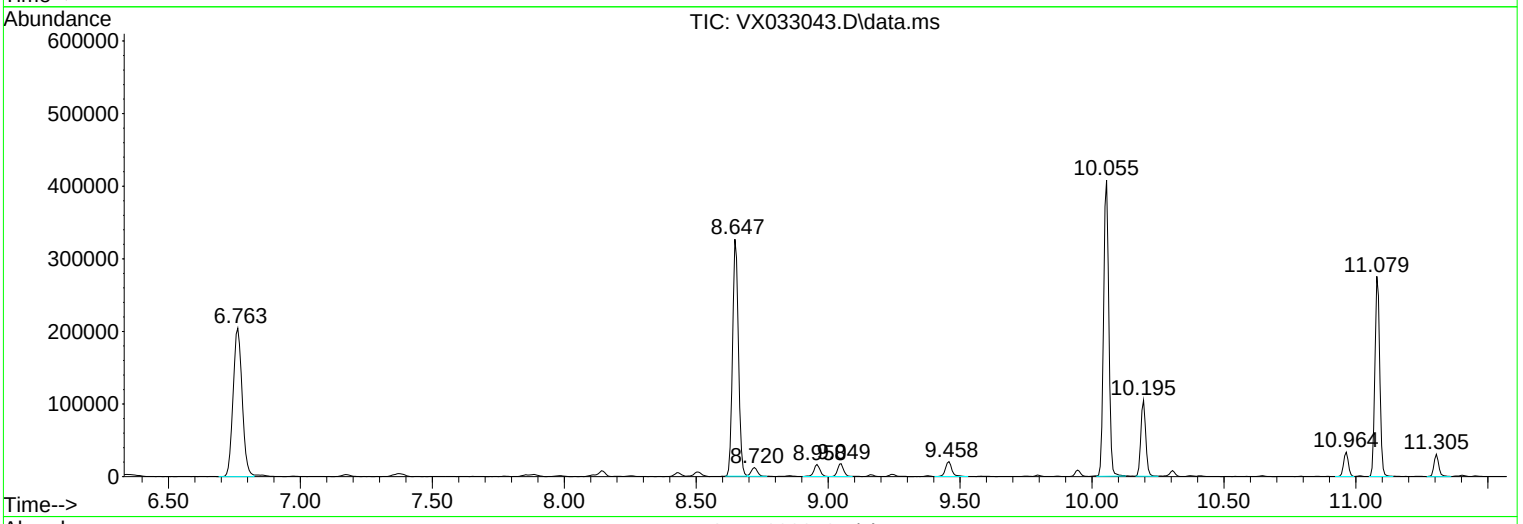
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

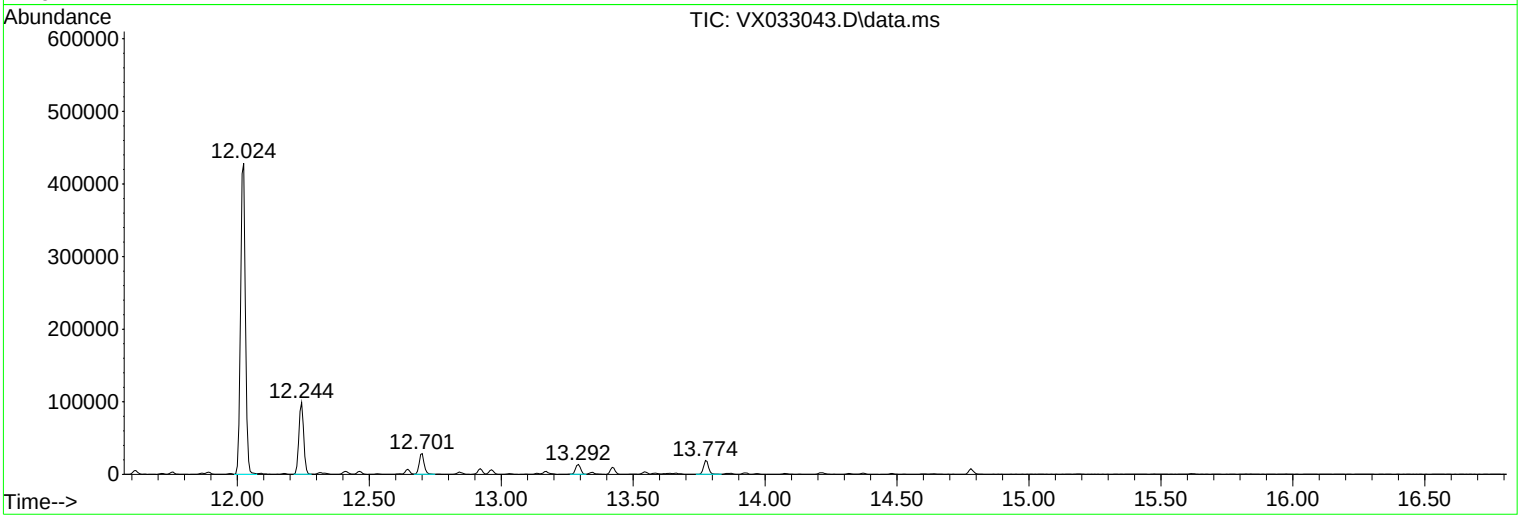
**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

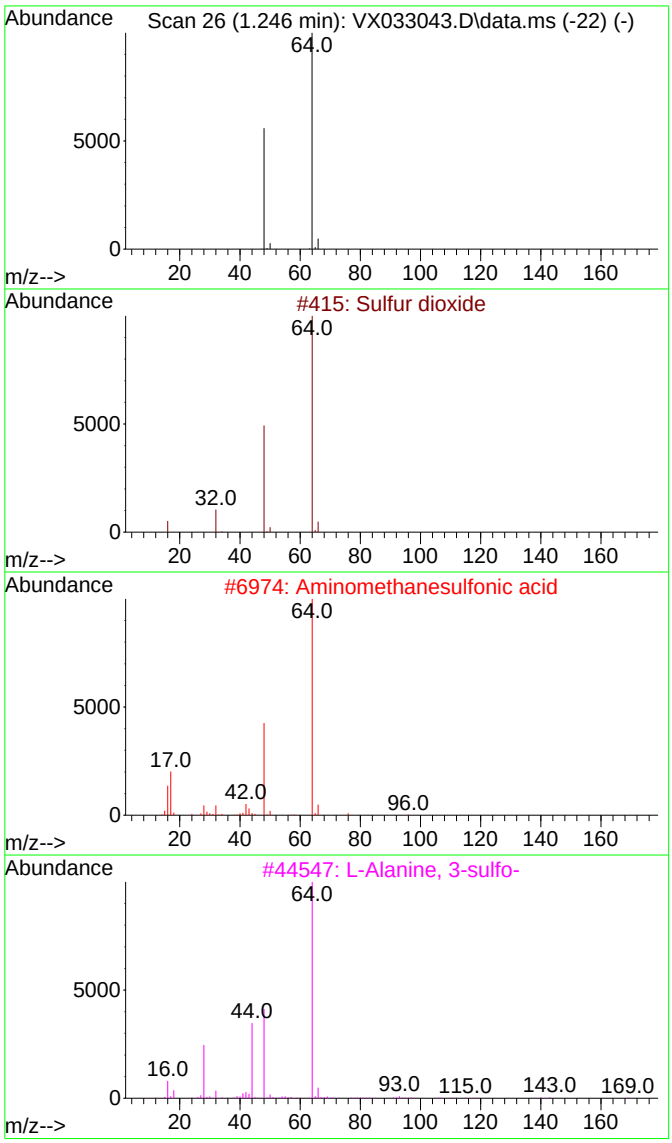
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

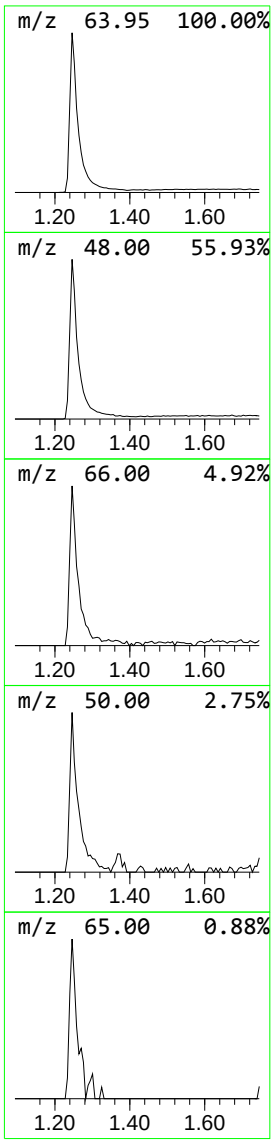
**********

Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.246 | 30.49 ug/l | 228617 | Pentafluorobenzene | 5.556 |

| 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 | 74 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 4 |
| 5 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

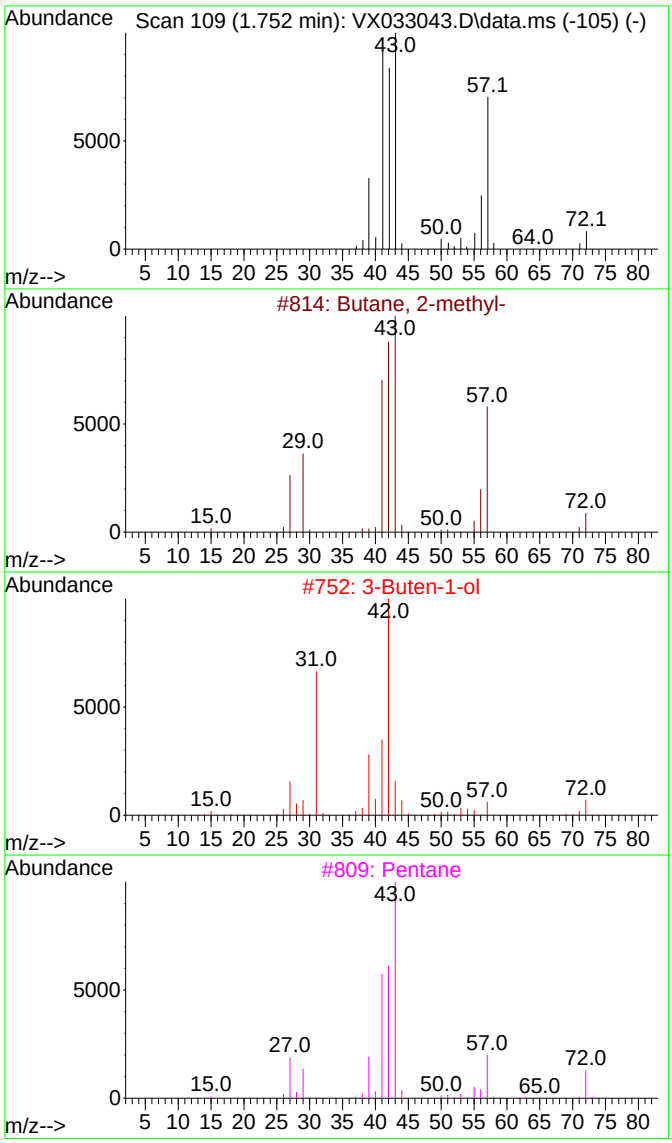
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

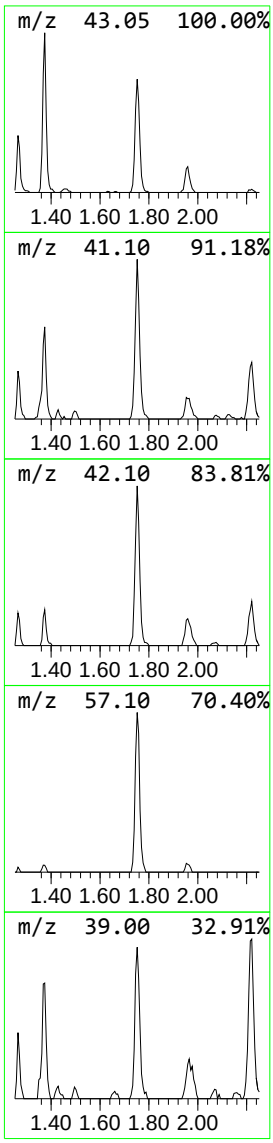
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Butane, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.752 | 5.25 ug/l | 39375 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 86 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 4 | 2(3H)-Furanone, dihydro-4-methyl- | 100 | C5H8O2 | 001679-49-8 | 33 |
| 5 | 1-Butene | 56 | C4H8 | 000106-98-9 | 14 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

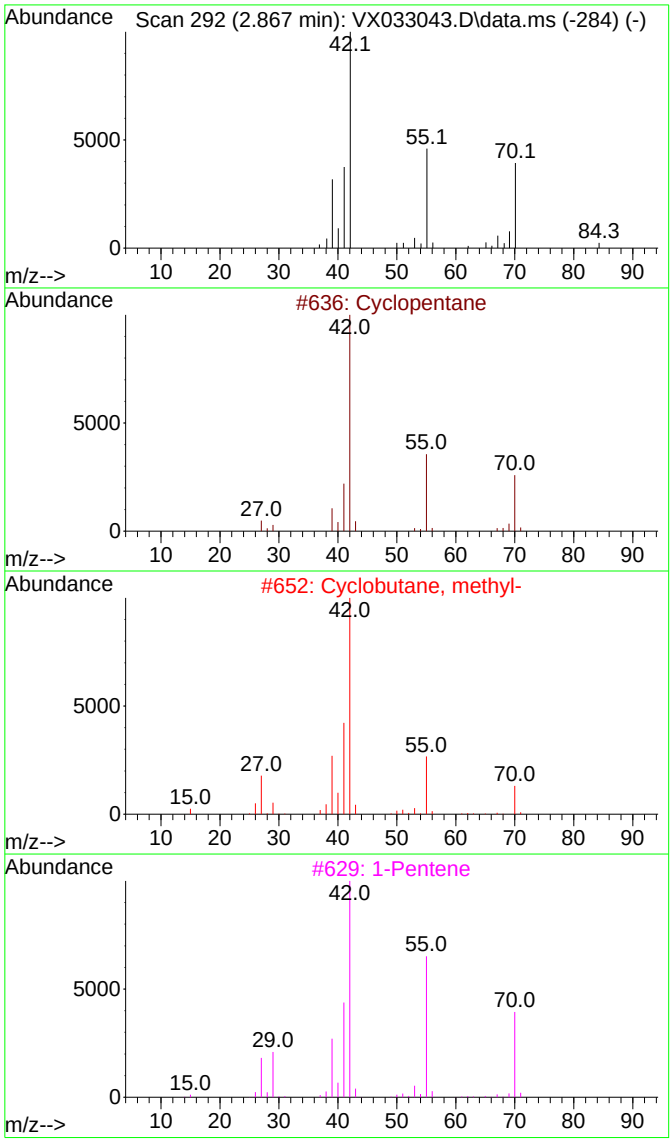
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

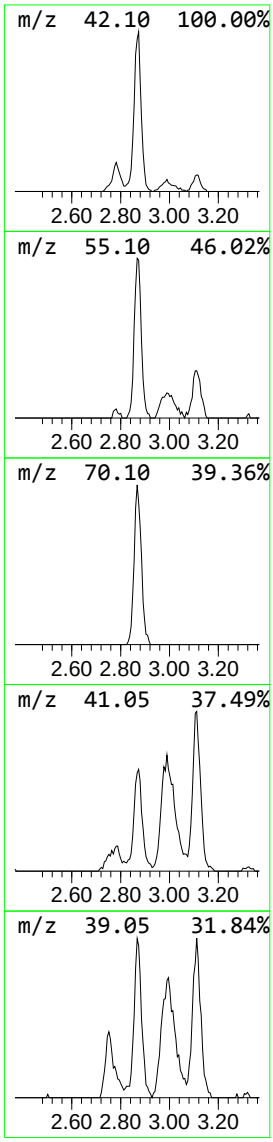
**********

Peak Number 3 Cyclopentane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.867 | 7.19 ug/l | 53923 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 80 |
| 2 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 80 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 80 |
| 4 | 1-Pentanol | 88 | C5H12O | 000071-41-0 | 40 |
| 5 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

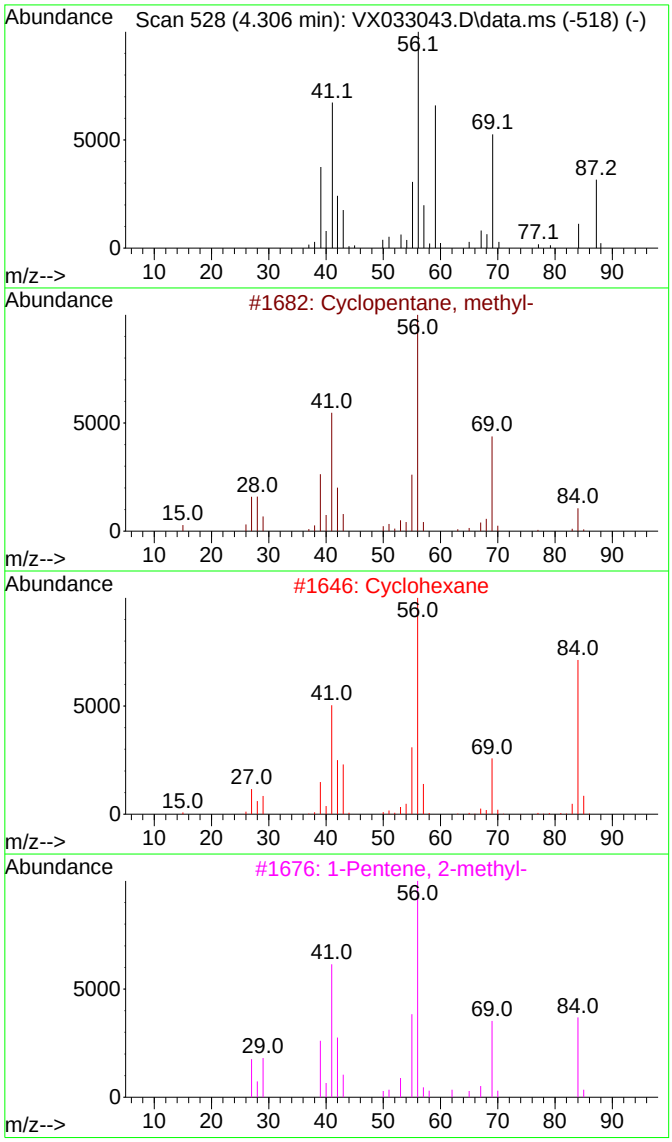
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

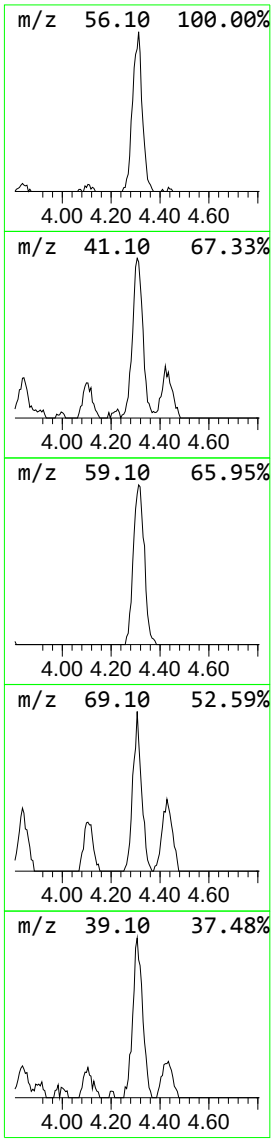
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.306 | 8.29 ug/l | 62159 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 64 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 52 |
| 3 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 47 |
| 4 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 47 |
| 5 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

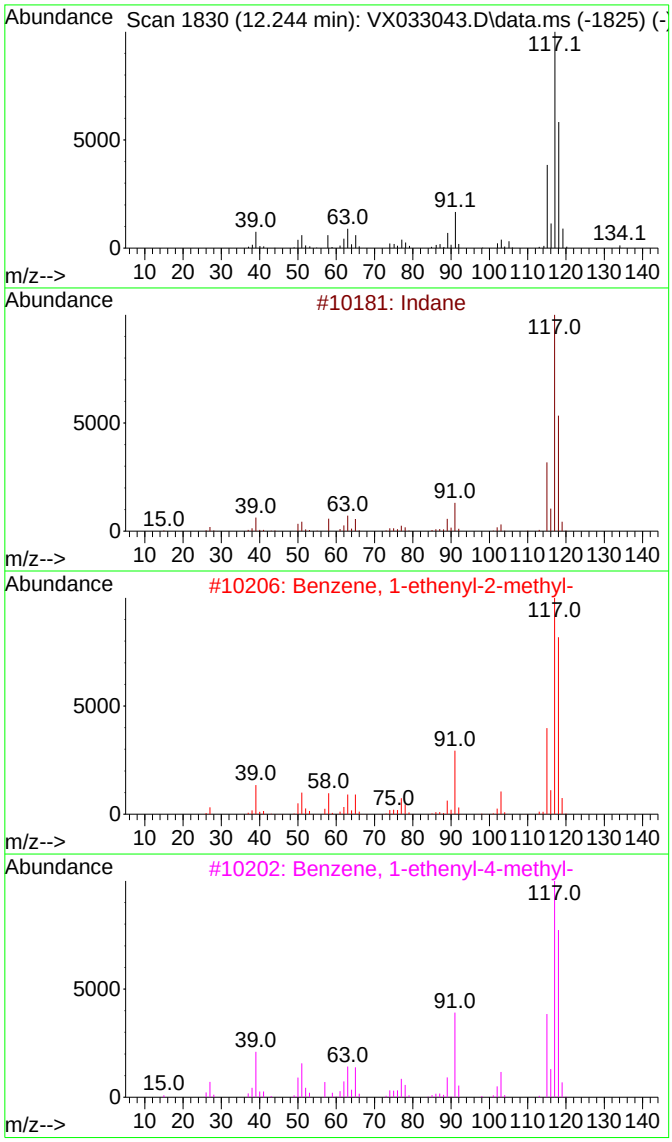
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260

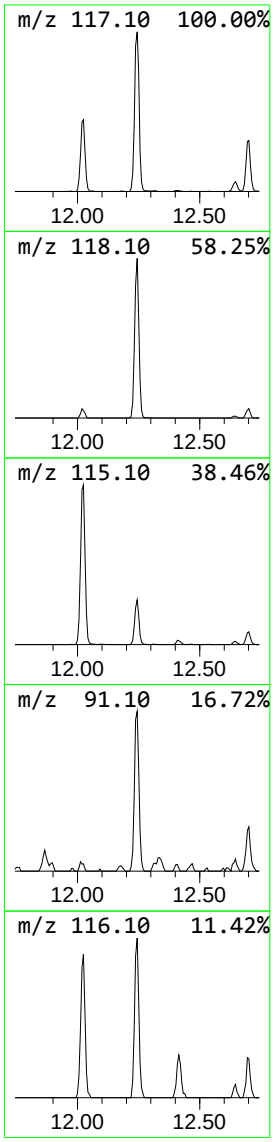
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Indane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.244 | 11.42 ug/l | 124357 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 76 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 68 |
| 4 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 68 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 62 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033043.D
Acq On : 24 Nov 2022 06:50
Operator : JC/MD
Sample : N5741-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-35

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.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 | 1.246 | 30.5 | ug/l | 228617 | 1 | 5.556 | 374964 | 50.0 |
| Butane, 2-methyl- | 1.752 | 5.3 | ug/l | 39375 | 1 | 5.556 | 374964 | 50.0 |
| Cyclopentane | 2.867 | 7.2 | ug/l | 53923 | 1 | 5.556 | 374964 | 50.0 |
| Cyclopentane, m... | 4.306 | 8.3 | ug/l | 62159 | 1 | 5.556 | 374964 | 50.0 |
| Indane | 12.244 | 11.4 | ug/l | 124357 | 4 | 12.024 | 544401 | 50.0 |