LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR111620WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.369 | 4 | 9 | 17 | rVB | 6778 | 6955 | 2.02% | 0.209% |
| 2 | 1.559 | 51 | 68 | 87 | rBV3 | 10443 | 33554 | 9.75% | 1.009% |
| 3 | 1.687 | 99 | 108 | 117 | rVB2 | 36141 | 45070 | 13.09% | 1.355% |
| 4 | 1.896 | 165 | 173 | 179 | rBV3 | 6426 | 10149 | 2.95% | 0.305% |
| 5 | 2.025 | 206 | 213 | 223 | rBV | 25990 | 34864 | 10.13% | 1.049% |
| 6 | 2.115 | 229 | 241 | 253 | rBV2 | 9629 | 30292 | 8.80% | 0.911% |
| 7 | 2.687 | 409 | 419 | 437 | rVB | 51420 | 88515 | 25.71% | 2.662% |
| 8 | 2.816 | 446 | 459 | 486 | rVB | 186897 | 344275 | 100.00% | 10.354% |
| 9 | 4.687 | 1026 | 1041 | 1055 | rBV3 | 16188 | 37974 | 11.03% | 1.142% |
| 10 | 4.787 | 1055 | 1072 | 1084 | rBV | 93672 | 225338 | 65.45% | 6.777% |
| 11 | 5.182 | 1182 | 1195 | 1212 | rVB | 59162 | 128372 | 37.29% | 3.861% |
| 12 | 5.777 | 1372 | 1380 | 1387 | rBV2 | 3768 | 5104 | 1.48% | 0.153% |
| 13 | 5.861 | 1387 | 1406 | 1421 | rVV3 | 110063 | 285765 | 83.00% | 8.594% |
| 14 | 5.925 | 1421 | 1426 | 1446 | rVB | 16224 | 20964 | 6.09% | 0.630% |
| 15 | 6.372 | 1552 | 1565 | 1587 | rVB | 89174 | 160903 | 46.74% | 4.839% |
| 16 | 6.796 | 1681 | 1697 | 1714 | rBV2 | 74297 | 142050 | 41.26% | 4.272% |
| 17 | 7.636 | 1947 | 1958 | 1972 | rBV | 33170 | 57428 | 16.68% | 1.727% |
| 18 | 7.960 | 2045 | 2059 | 2072 | rBV | 119732 | 203219 | 59.03% | 6.112% |
| 19 | 8.028 | 2072 | 2080 | 2091 | rVB | 13783 | 22110 | 6.42% | 0.665% |
| 20 | 8.231 | 2133 | 2143 | 2157 | rVB2 | 21435 | 35263 | 10.24% | 1.061% |
| 21 | 8.684 | 2263 | 2284 | 2314 | rBV | 160343 | 316419 | 91.91% | 9.516% |
| 22 | 8.825 | 2320 | 2328 | 2338 | rVB4 | 2320 | 3954 | 1.15% | 0.119% |
| 23 | 8.951 | 2356 | 2367 | 2373 | rBV5 | 2964 | 5516 | 1.60% | 0.166% |
| 24 | 9.446 | 2509 | 2521 | 2538 | rBV | 121491 | 203210 | 59.03% | 6.111% |
| 25 | 9.597 | 2559 | 2568 | 2575 | rBV3 | 6364 | 9631 | 2.80% | 0.290% |
| 26 | 9.716 | 2594 | 2605 | 2616 | rBV2 | 8820 | 14863 | 4.32% | 0.447% |
| 27 | 10.118 | 2721 | 2730 | 2741 | rBV3 | 6265 | 9847 | 2.86% | 0.296% |
| 28 | 10.767 | 2921 | 2932 | 2944 | rBV | 58127 | 90790 | 26.37% | 2.730% |
| 29 | 10.896 | 2963 | 2972 | 2984 | rVB3 | 2751 | 4231 | 1.23% | 0.127% |
| 30 | 11.812 | 3246 | 3257 | 3270 | rVB | 110640 | 174761 | 50.76% | 5.256% |
| 31 | 12.192 | 3363 | 3375 | 3388 | rBV | 125298 | 196879 | 57.19% | 5.921% |
| 32 | 12.324 | 3408 | 3416 | 3425 | rVB5 | 3910 | 5431 | 1.58% | 0.163% |
| 33 | 12.767 | 3546 | 3554 | 3564 | rVB2 | 4173 | 6807 | 1.98% | 0.205% |
| 34 | 12.954 | 3598 | 3612 | 3619 | rBV9 | 6191 | 12170 | 3.53% | 0.366% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR111620WMA.M
Title : TRACE VOA SOM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.999 | 3619 | 3626 | 3632 | rVV2 | 4907 | 7004 | 2.03% | 0.211% |
| 36 | 13.041 | 3632 | 3639 | 3648 | rVB5 | 7499 | 10848 | 3.15% | 0.326% |
| 37 | 13.124 | 3657 | 3665 | 3678 | rVB4 | 8185 | 11841 | 3.44% | 0.356% |
| 38 | 13.423 | 3745 | 3758 | 3764 | rBV2 | 10715 | 16892 | 4.91% | 0.508% |
| 39 | 13.578 | 3794 | 3806 | 3812 | rVV4 | 7421 | 13231 | 3.84% | 0.398% |
| 40 | 13.616 | 3812 | 3818 | 3824 | rVV7 | 6280 | 9670 | 2.81% | 0.291% |
| 41 | 13.668 | 3828 | 3834 | 3841 | rVB6 | 4346 | 6879 | 2.00% | 0.207% |
| 42 | 13.716 | 3841 | 3849 | 3856 | rBV5 | 2965 | 4164 | 1.21% | 0.125% |
| 43 | 13.799 | 3865 | 3875 | 3883 | rBV4 | 3504 | 5077 | 1.47% | 0.153% |
| 44 | 13.970 | 3919 | 3928 | 3929 | rBV4 | 12250 | 14298 | 4.15% | 0.430% |
| 45 | 14.037 | 3942 | 3949 | 3956 | rVV2 | 11176 | 14804 | 4.30% | 0.445% |
| 46 | 14.082 | 3956 | 3963 | 3970 | rVV3 | 13688 | 17612 | 5.12% | 0.530% |
| 47 | 14.166 | 3981 | 3989 | 4008 | rVB4 | 18712 | 35426 | 10.29% | 1.065% |
| 48 | 14.439 | 4066 | 4074 | 4081 | rBV2 | 10519 | 14480 | 4.21% | 0.435% |
| 49 | 14.565 | 4105 | 4113 | 4121 | rBV7 | 6530 | 10394 | 3.02% | 0.313% |
| 50 | 14.661 | 4138 | 4143 | 4153 | rVB7 | 4266 | 6264 | 1.82% | 0.188% |
| 51 | 14.790 | 4176 | 4183 | 4191 | rBV10 | 4193 | 6016 | 1.75% | 0.181% |
| 52 | 14.928 | 4217 | 4226 | 4231 | rBV6 | 8700 | 13271 | 3.85% | 0.399% |
| 53 | 14.960 | 4231 | 4236 | 4243 | rVV5 | 6729 | 9083 | 2.64% | 0.273% |
| 54 | 15.008 | 4244 | 4251 | 4258 | rVV7 | 10134 | 15019 | 4.36% | 0.452% |
| 55 | 15.053 | 4258 | 4265 | 4276 | rVB10 | 6025 | 9172 | 2.66% | 0.276% |
| 56 | 15.131 | 4284 | 4289 | 4300 | rVB6 | 7127 | 10298 | 2.99% | 0.310% |
| 57 | 15.192 | 4300 | 4308 | 4322 | rVV6 | 7636 | 18197 | 5.29% | 0.547% |
| 58 | 15.259 | 4322 | 4329 | 4339 | rVB7 | 5080 | 7595 | 2.21% | 0.228% |
| 59 | 15.394 | 4362 | 4371 | 4381 | rBV4 | 7488 | 13026 | 3.78% | 0.392% |
| 60 | 15.494 | 4394 | 4402 | 4411 | rVB8 | 5608 | 9706 | 2.82% | 0.292% |
| 61 | 15.590 | 4424 | 4432 | 4436 | rBV8 | 2949 | 4426 | 1.29% | 0.133% |
| 62 | 15.745 | 4475 | 4480 | 4491 | rVB8 | 2067 | 3535 | 1.03% | 0.106% |
| 63 | 15.918 | 4523 | 4534 | 4545 | rBV9 | 7492 | 19309 | 5.61% | 0.581% |
| 64 | 16.249 | 4629 | 4637 | 4641 | rBV7 | 6598 | 9072 | 2.64% | 0.273% |
| 65 | 16.394 | 4675 | 4682 | 4689 | rBV6 | 4149 | 5806 | 1.69% | 0.175% |

Sum of corrected areas: 3325088

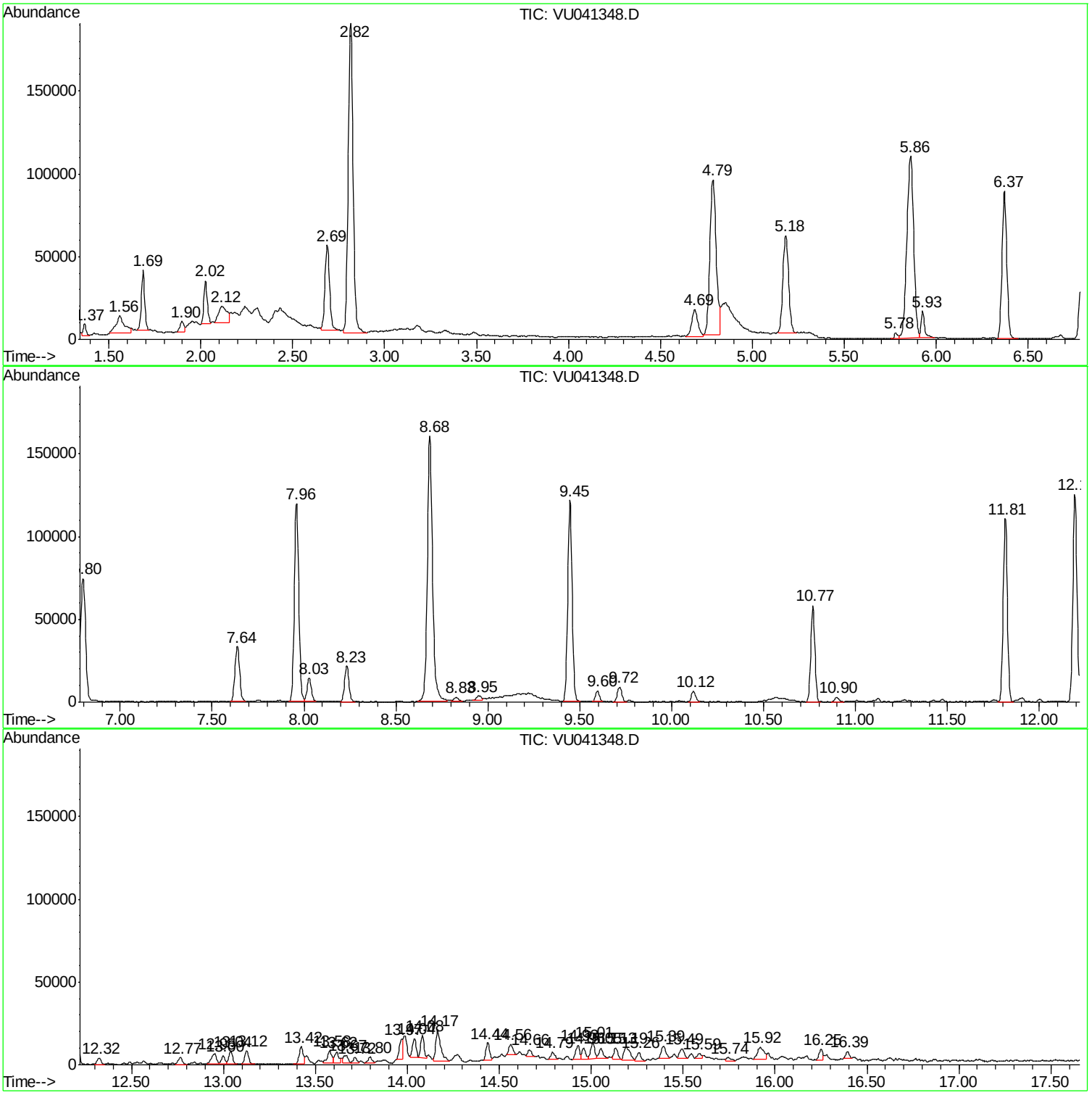
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

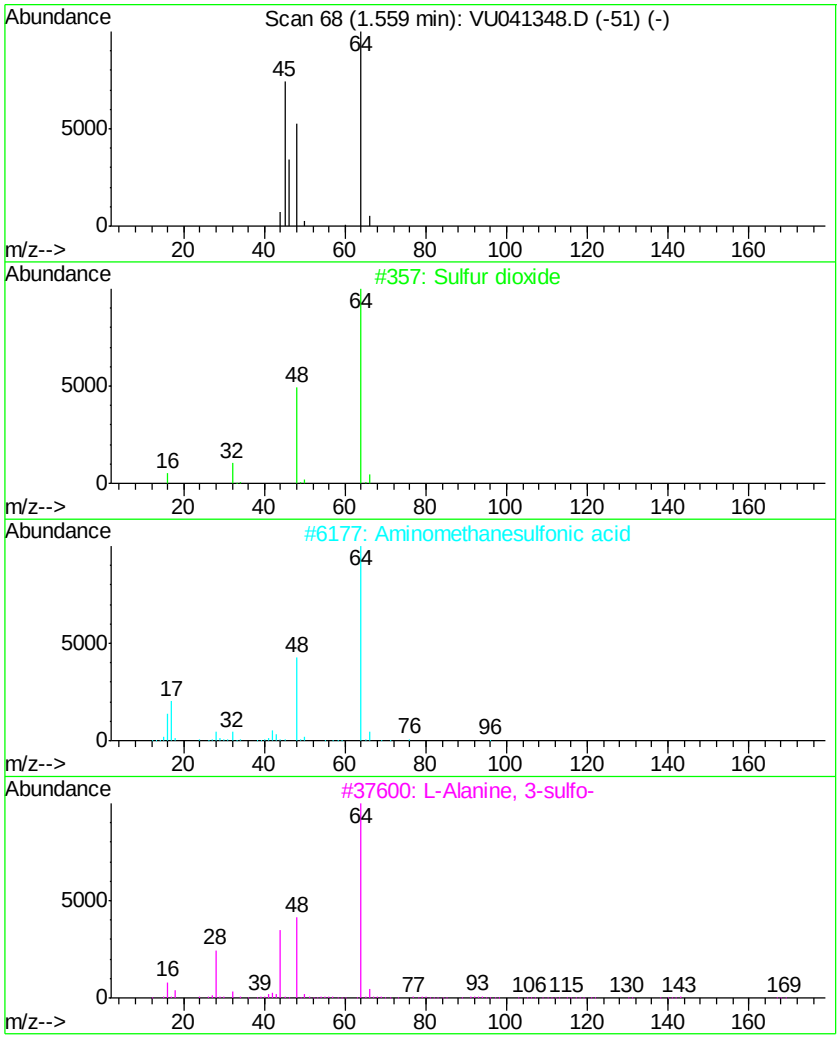
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

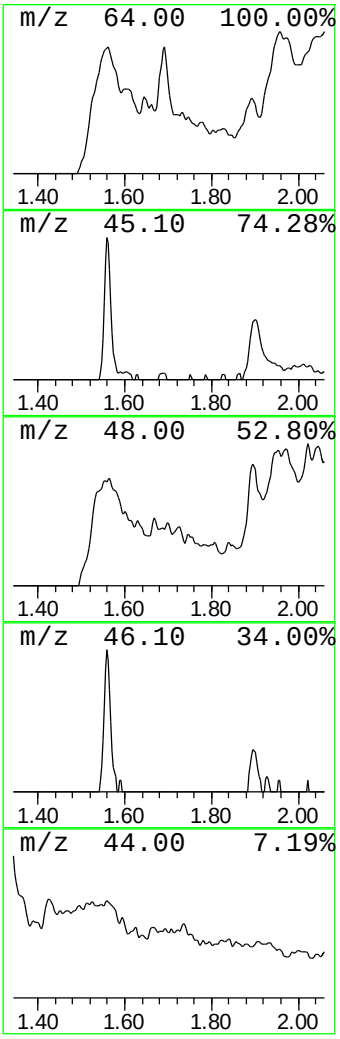
**********

Peak Number 1 unknown-01 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.56 | 1.04 ug/L | 33554 | 1,4-Difluorobenzene | 6.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 45 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 5 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 7 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

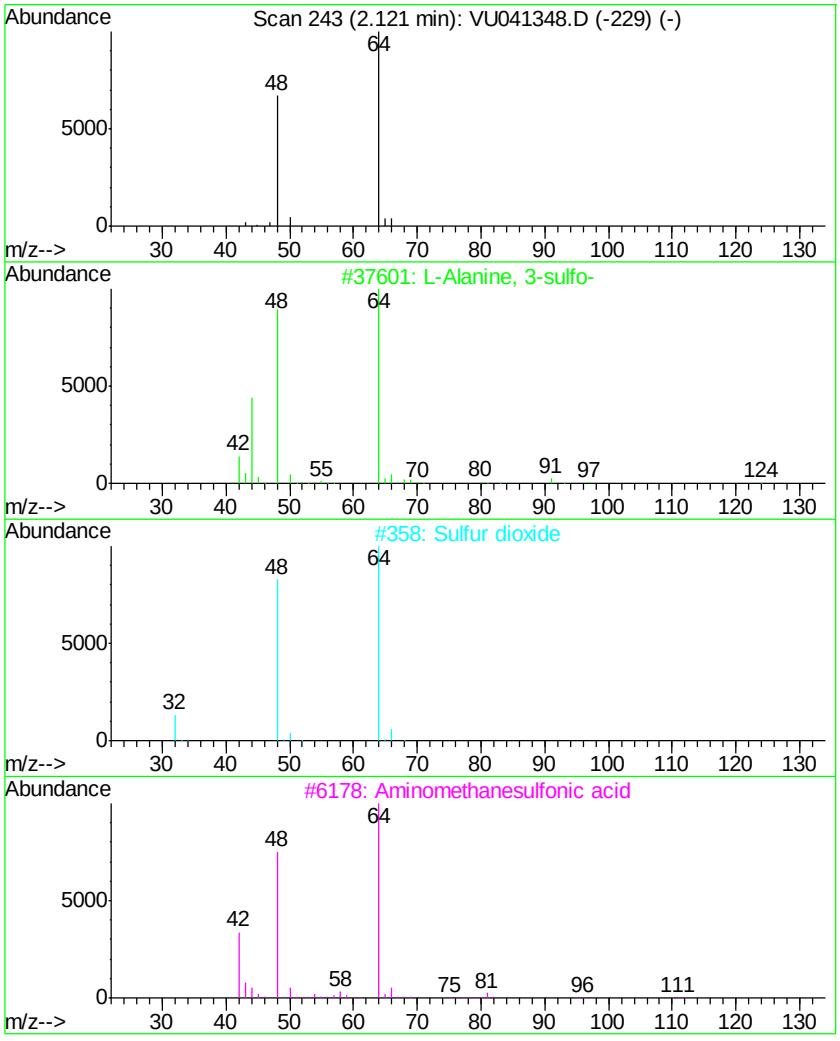
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

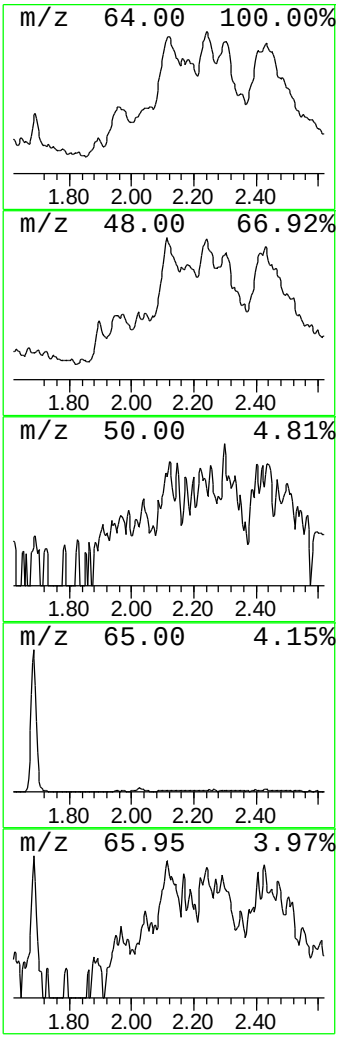
**********

Peak Number 2 L-Alanine, 3-sulfo- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.12 | 0.94 ug/L | 30292 | 1,4-Difluorobenzene | 6.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 74 |
| 2 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 74 |
| 3 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 5 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 7 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

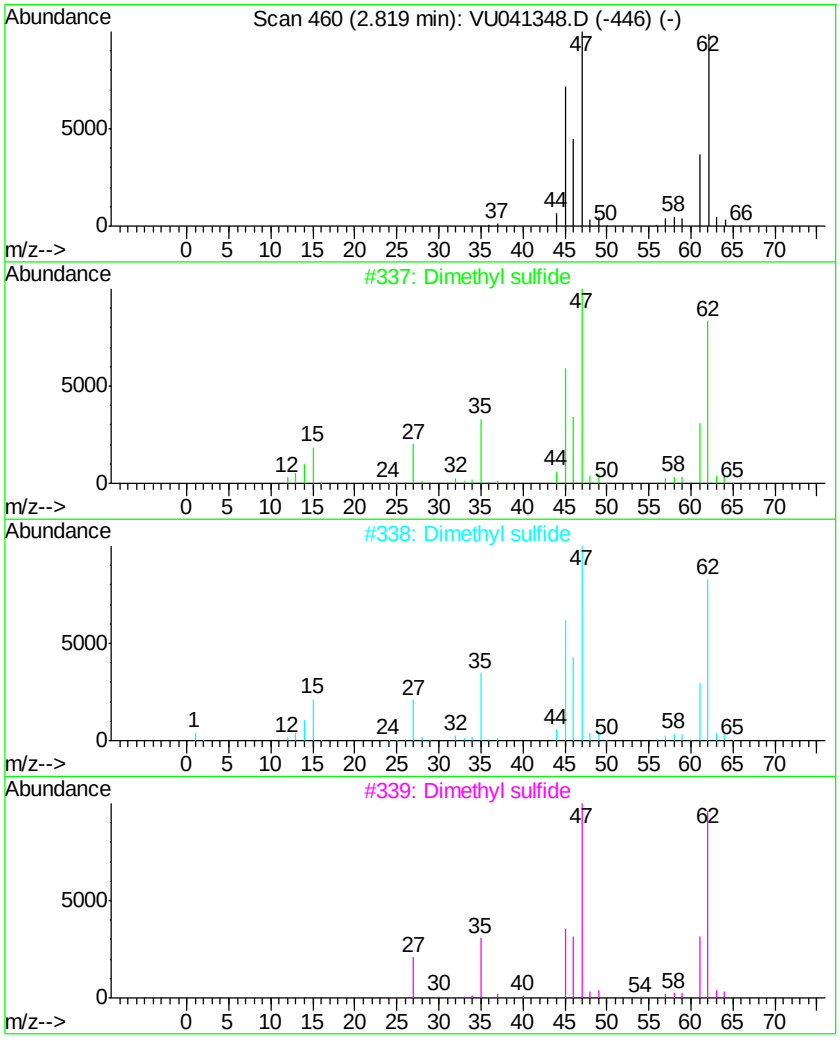
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

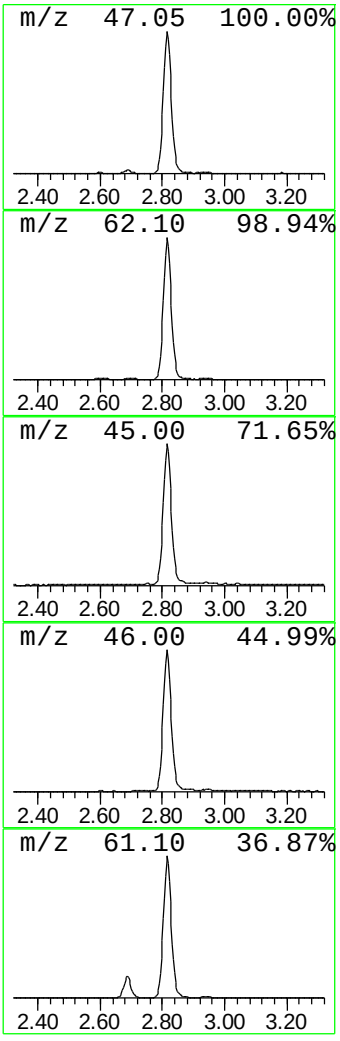
**********

Peak Number 3 Dimethyl sulfide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.82 | 10.70 ug/L | 344275 | 1,4-Difluorobenzene | 6.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 94 |
| 2 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 94 |
| 3 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 4 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 91 |
| 5 | Borane-methyl sulfide complex | 76 | C2H9BS | 013292-87-0 | 83 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

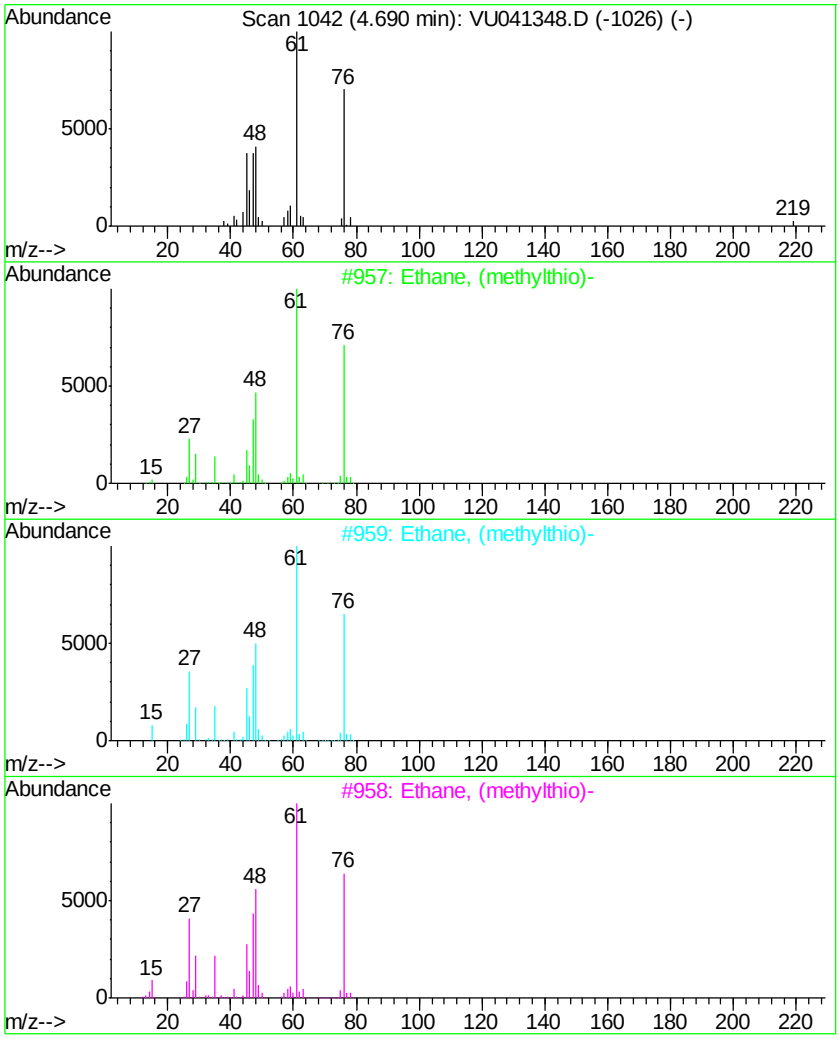
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

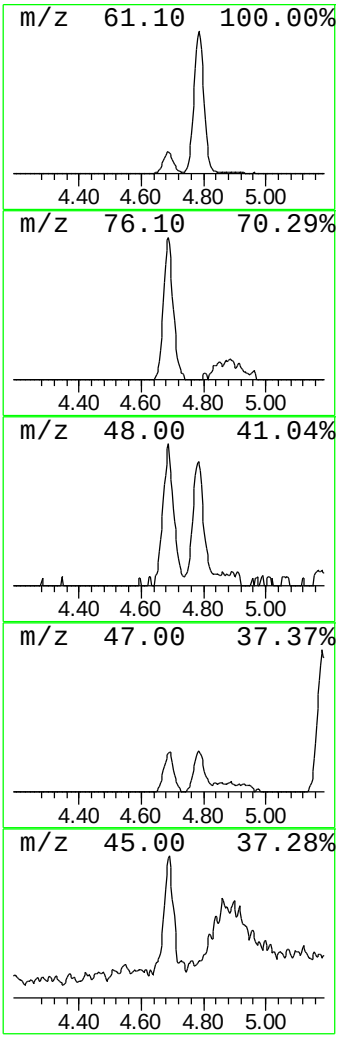
**********

Peak Number 4 Ethane, (methylthio)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.69 | 1.18 ug/L | 37974 | 1,4-Difluorobenzene | 6.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 91 |
| 2 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 91 |
| 3 | Ethane, (methylthio)- | 76 | C3H8S | 000624-89-5 | 91 |
| 4 | Trimethylphosphine | 76 | C3H9P | 000594-09-2 | 59 |
| 5 | 3-(Methylthio)propyl 2,2,2-trifl... | 202 | C6H9F3O2S | 1000367-07-4 | 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

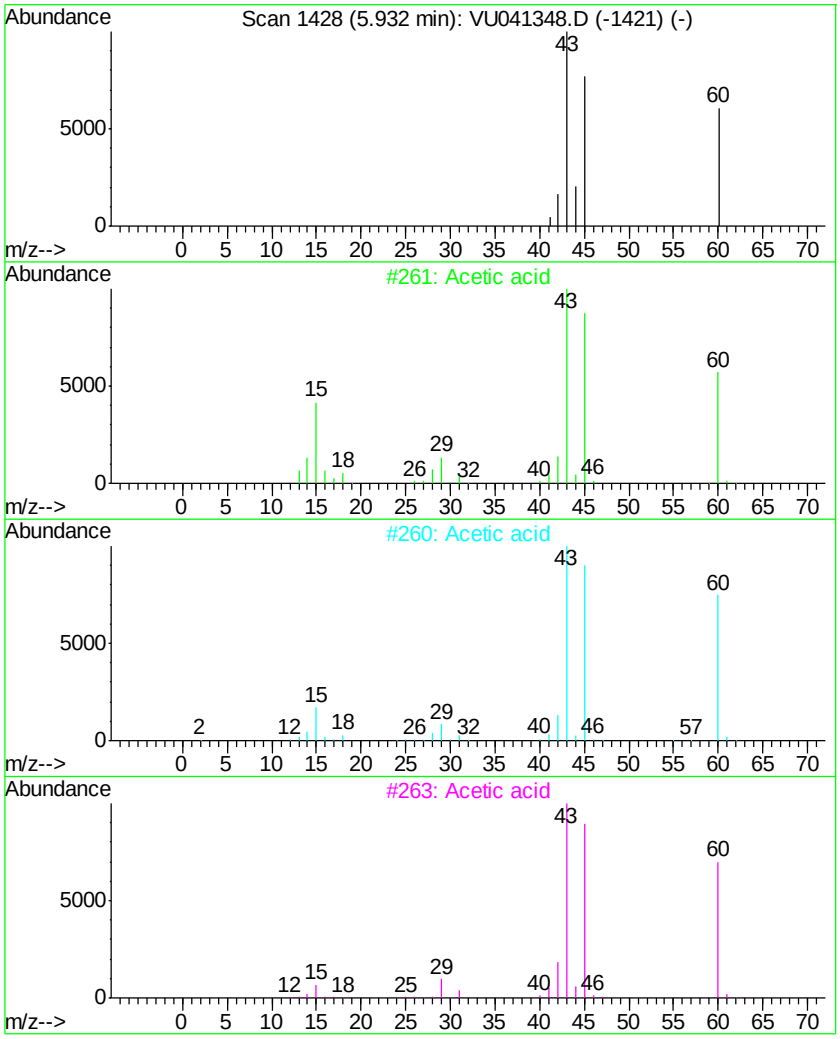
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

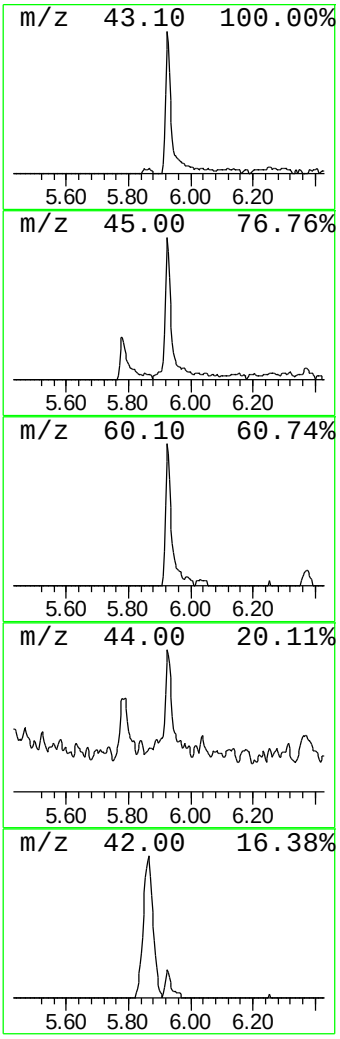
**********

Peak Number 5 Acetic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 0.65 ug/L | 20964 | 1,4-Difluorobenzene | 6.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid | 60 | C2H4O2 | 000064-19-7 | 83 |
| 2 | Acetic acid | 60 | C2H4O2 | 000064-19-7 | 83 |
| 3 | Acetic acid | 60 | C2H4O2 | 000064-19-7 | 83 |
| 4 | Acetic acid | 60 | C2H4O2 | 000064-19-7 | 83 |
| 5 | Formic acid hydrazide | 60 | CH4N2O | 000624-84-0 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

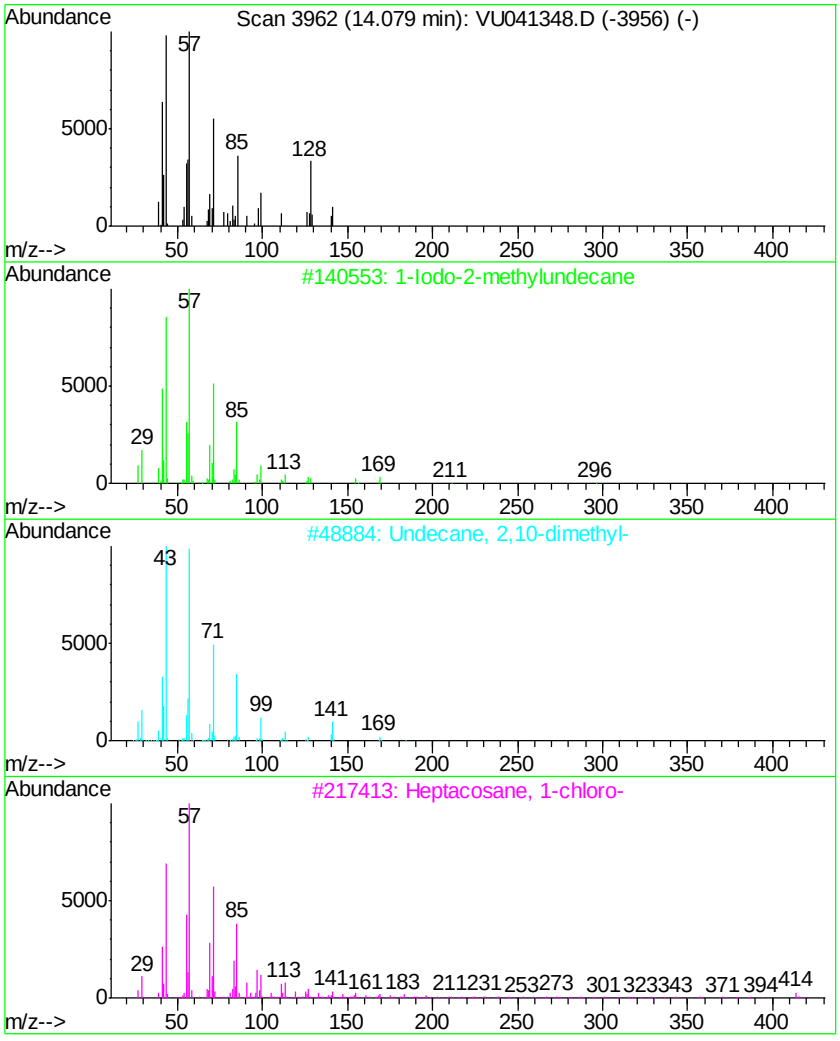
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

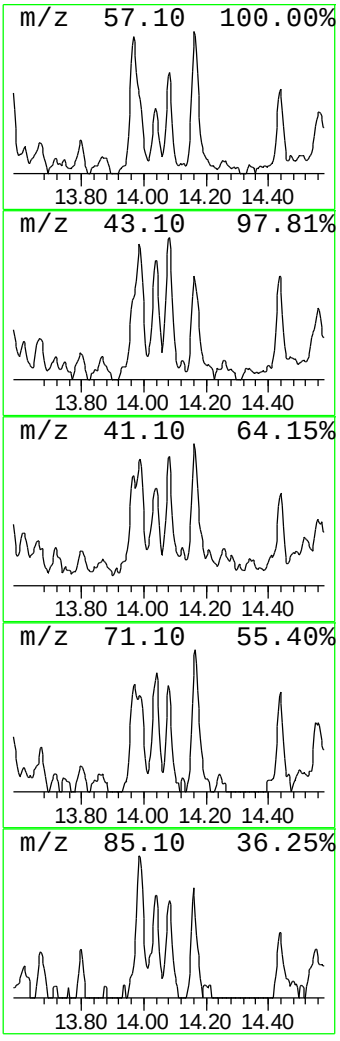
**********

Peak Number 7 1-Iodo-2-methylundecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.08 | 0.50 ug/L | 17612 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 59 |
| 2 | Undecane, 2,10-dimethyl- | 184 | C13H28 | 017301-27-8 | 59 |
| 3 | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 50 |
| 4 | Sulfurous acid, dodecyl 2-propyl... | 292 | C15H32O3S | 1000309-12-3 | 50 |
| 5 | Dotriacontane | 451 | C32H66 | 000544-85-4 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

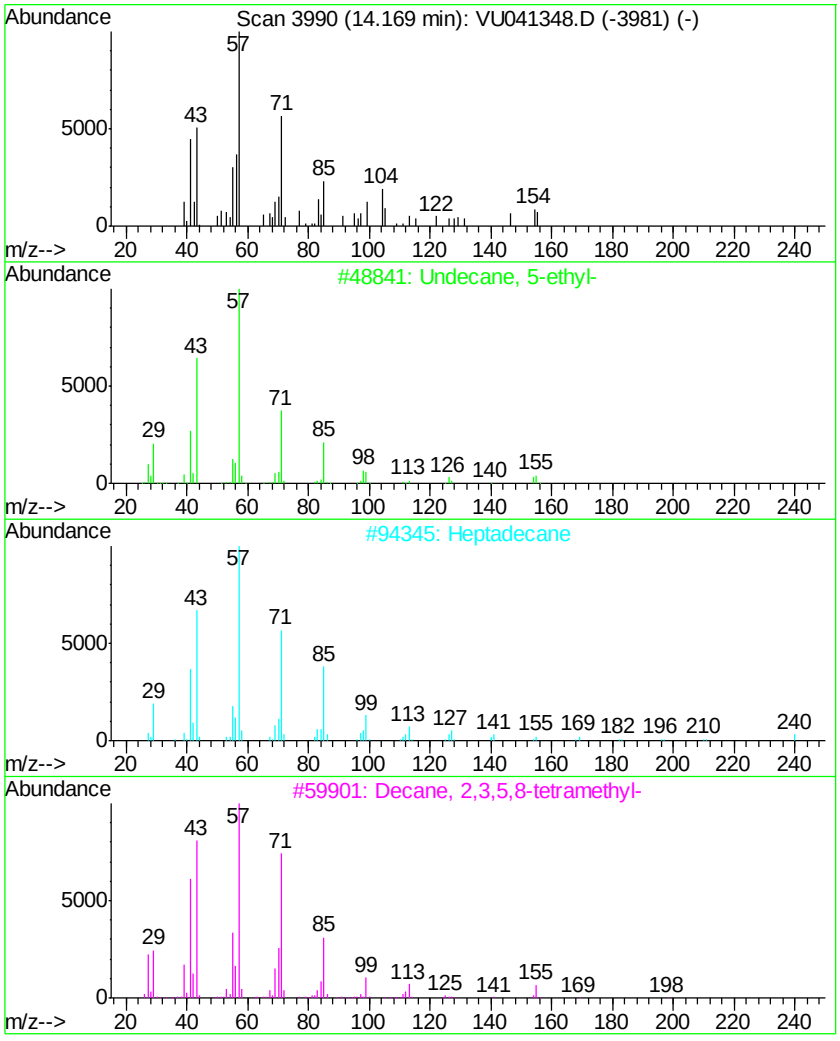
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

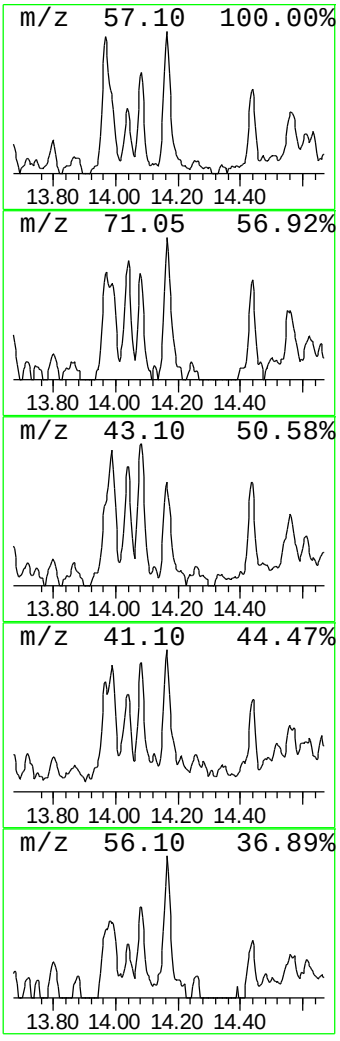
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.17 | 1.01 ug/L | 35426 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 5-ethyl- | 184 | C13H28 | 017453-94-0 | 59 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 53 |
| 3 | Decane, 2,3,5,8-tetramethyl- | 198 | C14H30 | 192823-15-7 | 52 |
| 4 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 50 |
| 5 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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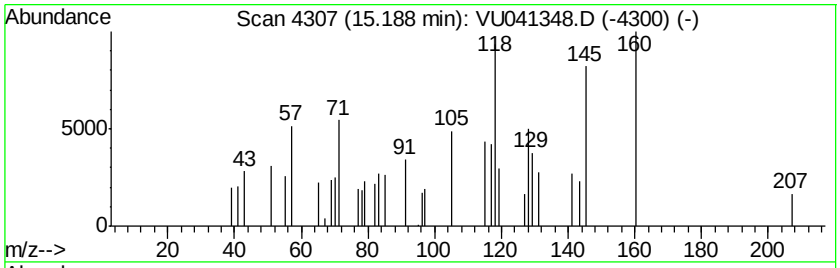
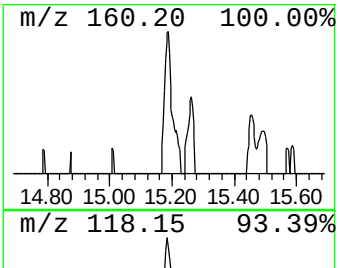
Peak Number 9 unknown-02 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.19 | 0.52 ug/L | 18197 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 35 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 35 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 35 |
| 4 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 27 |
| 5 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 27 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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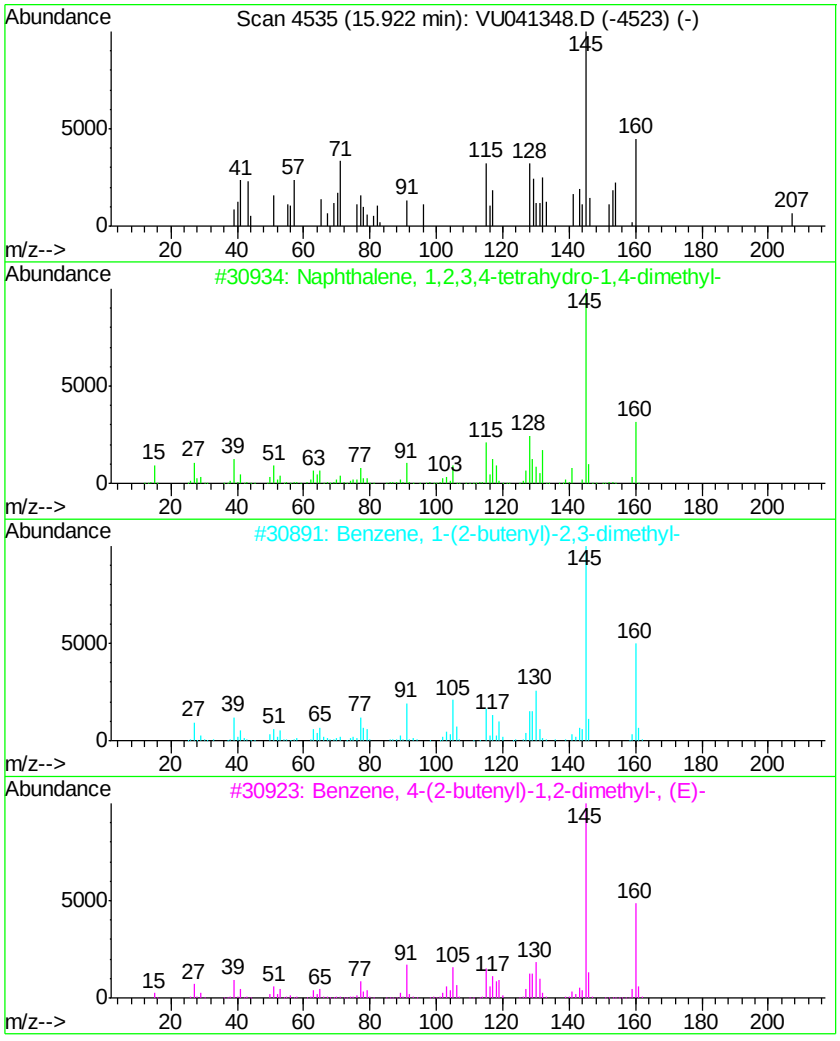
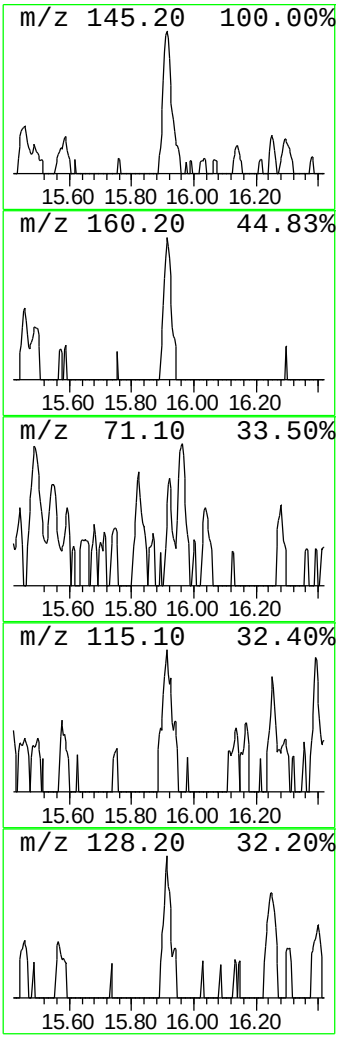
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 0.55 ug/L | 19309 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 93 |
| 2 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 70 |
| 3 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 58 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 58 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041348.D
Acq On : 19 Nov 2020 17:13
Operator : SY/MD
Sample : L4790-06DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4398DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 1.56 | 1.0 | ug/L | 33554 | 1 | 6.37 | 160903 | 5.0 |
| L-Alanine, 3-sulfo- | 2.12 | 0.9 | ug/L | 30292 | 1 | 6.37 | 160903 | 5.0 |
| Dimethyl sulfide | 2.82 | 10.7 | ug/L | 344275 | 1 | 6.37 | 160903 | 5.0 |
| Ethane, (methylth... | 4.69 | 1.2 | ug/L | 37974 | 1 | 6.37 | 160903 | 5.0 |
| Acetic acid | 5.93 | 0.7 | ug/L | 20964 | 1 | 6.37 | 160903 | 5.0 |
| 1-Iodo-2-methylun... | 14.08 | 0.5 | ug/L | 17612 | 3 | 11.82 | 174761 | 5.0 |
| (DEL) Alkane: Str... | 14.17 | 1.0 | ug/L | 35426 | 3 | 11.82 | 174761 | 5.0 |
| unknown-02 | 15.19 | 0.5 | ug/L | 18197 | 3 | 11.82 | 174761 | 5.0 |
| Naphthalene, 1,2,... | 15.92 | 0.6 | ug/L | 19309 | 3 | 11.82 | 174761 | 5.0 |