LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012769.D
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** PAR-E4-(0)

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_W\METHOD\82W090719S.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 | 2.148 | 35 | 40 | 50 | rBV2 | 7768 | 20003 | 1.85% | 0.309% |
| 2 | 2.349 | 64 | 73 | 82 | rBV | 37028 | 68498 | 6.32% | 1.059% |
| 3 | 4.915 | 480 | 494 | 510 | rBV3 | 17097 | 65685 | 6.06% | 1.015% |
| 4 | 5.434 | 566 | 579 | 590 | rBV4 | 8857 | 31831 | 2.94% | 0.492% |
| 5 | 5.927 | 652 | 660 | 672 | rVB5 | 10653 | 33197 | 3.06% | 0.513% |
| 6 | 7.543 | 915 | 925 | 937 | rBV3 | 6416 | 18920 | 1.75% | 0.293% |
| 7 | 7.884 | 971 | 981 | 985 | rBV | 143640 | 337663 | 31.17% | 5.220% |
| 8 | 7.945 | 985 | 991 | 1001 | rVB | 306816 | 668821 | 61.73% | 10.340% |
| 9 | 8.305 | 1039 | 1050 | 1061 | rBV | 142424 | 325608 | 30.05% | 5.034% |
| 10 | 8.842 | 1129 | 1138 | 1149 | rBV | 419211 | 843015 | 77.81% | 13.033% |
| 11 | 10.323 | 1373 | 1381 | 1388 | rBV | 609429 | 1083452 | 100.00% | 16.750% |
| 12 | 10.384 | 1388 | 1391 | 1400 | rVB | 14992 | 28013 | 2.59% | 0.433% |
| 13 | 10.707 | 1437 | 1444 | 1448 | rVB2 | 5543 | 11356 | 1.05% | 0.176% |
| 14 | 11.628 | 1587 | 1595 | 1607 | rBV | 541161 | 920008 | 84.91% | 14.223% |
| 15 | 12.615 | 1749 | 1757 | 1764 | rBV | 422729 | 740879 | 68.38% | 11.454% |
| 16 | 13.554 | 1904 | 1911 | 1920 | rBV | 459953 | 790580 | 72.97% | 12.222% |
| 17 | 13.749 | 1934 | 1943 | 1958 | rVB6 | 43584 | 178013 | 16.43% | 2.752% |
| 18 | 13.871 | 1960 | 1963 | 1967 | rBV4 | 8932 | 15118 | 1.40% | 0.234% |
| 19 | 13.926 | 1967 | 1972 | 1973 | rBV4 | 11295 | 16753 | 1.55% | 0.259% |
| 20 | 14.066 | 1985 | 1995 | 2004 | rBV4 | 28393 | 82103 | 7.58% | 1.269% |
| 21 | 14.523 | 2068 | 2070 | 2076 | rVB6 | 9834 | 10978 | 1.01% | 0.170% |
| 22 | 14.725 | 2099 | 2103 | 2106 | rVB | 20154 | 26304 | 2.43% | 0.407% |
| 23 | 15.340 | 2200 | 2204 | 2207 | rBV6 | 11453 | 21284 | 1.96% | 0.329% |
| 24 | 15.724 | 2259 | 2267 | 2275 | rVB6 | 37850 | 130215 | 12.02% | 2.013% |

Sum of corrected areas: 6468297

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
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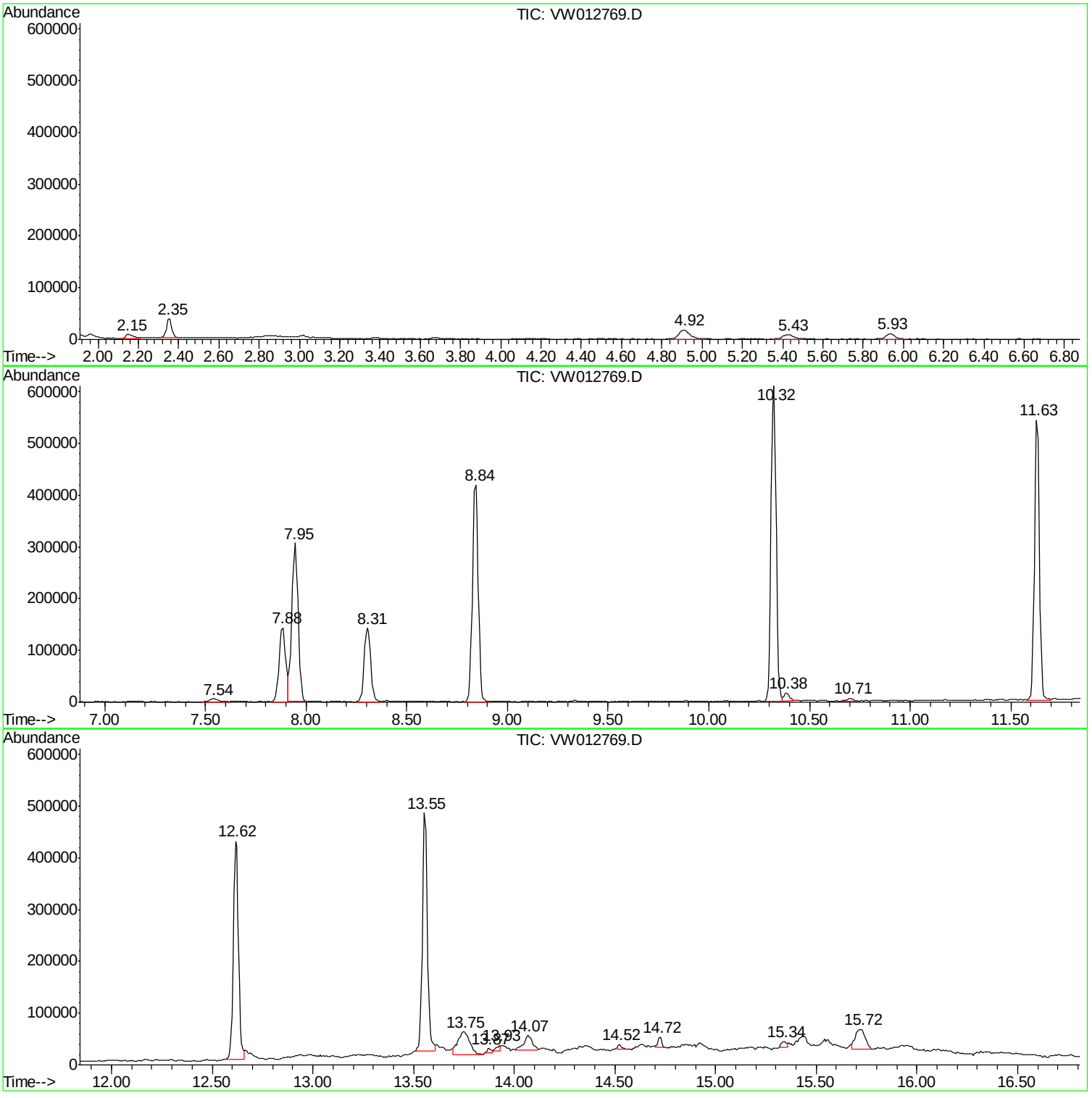
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.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 W\DATA\VW090819\
Data File : VW012769.D
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

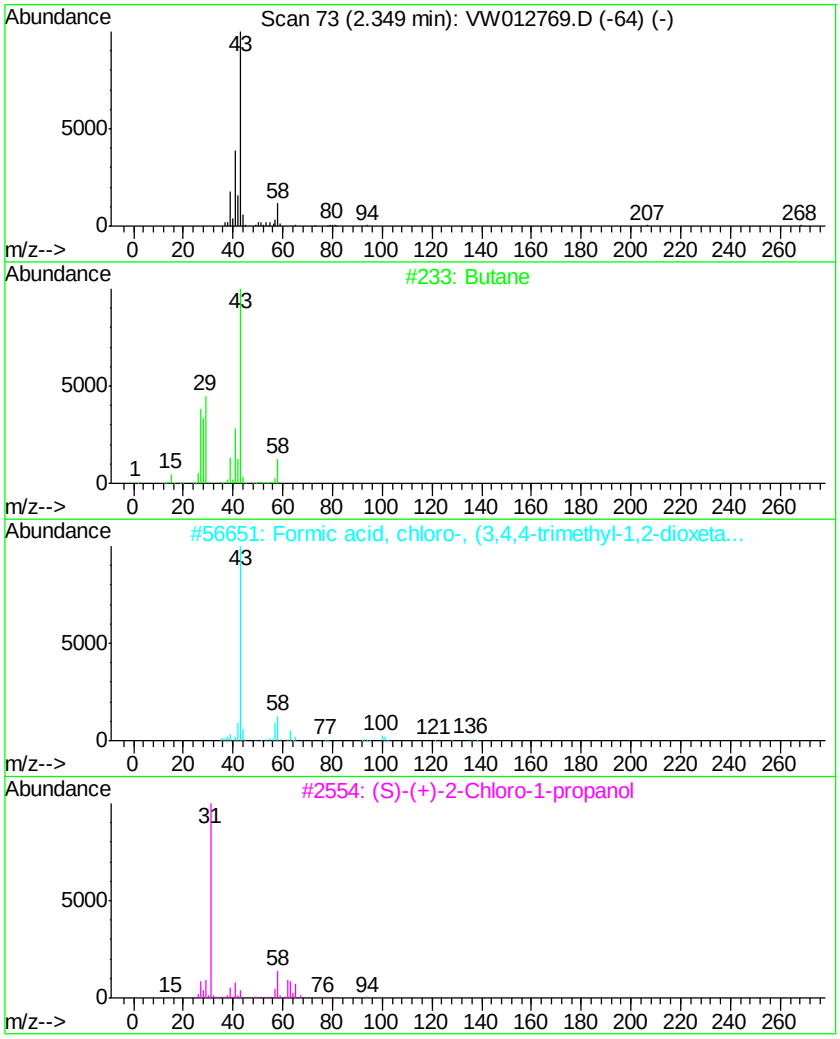
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

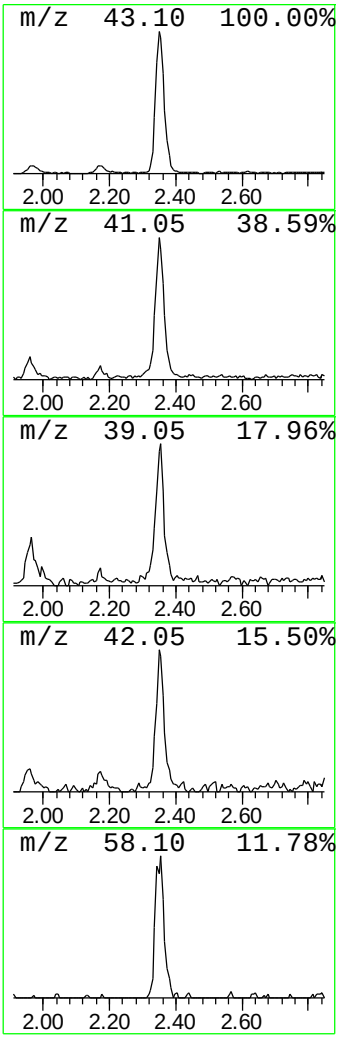
**********

Peak Number 1 Butane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.35 | 5.12 ug/l | 68498 | Pentafluorobenzene | 7.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane | 58 | C4H10 | 000106-97-8 | 64 |
| 2 | Formic acid, chloro-, (3,4,4-tri... | 194 | C7H11ClO4 | 107323-92-2 | 38 |
| 3 | (S)-(+)-2-Chloro-1-propanol | 94 | C3H7ClO | 019210-21-0 | 9 |
| 4 | Isobutane | 58 | C4H10 | 000075-28-5 | 9 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 9 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012769.D
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

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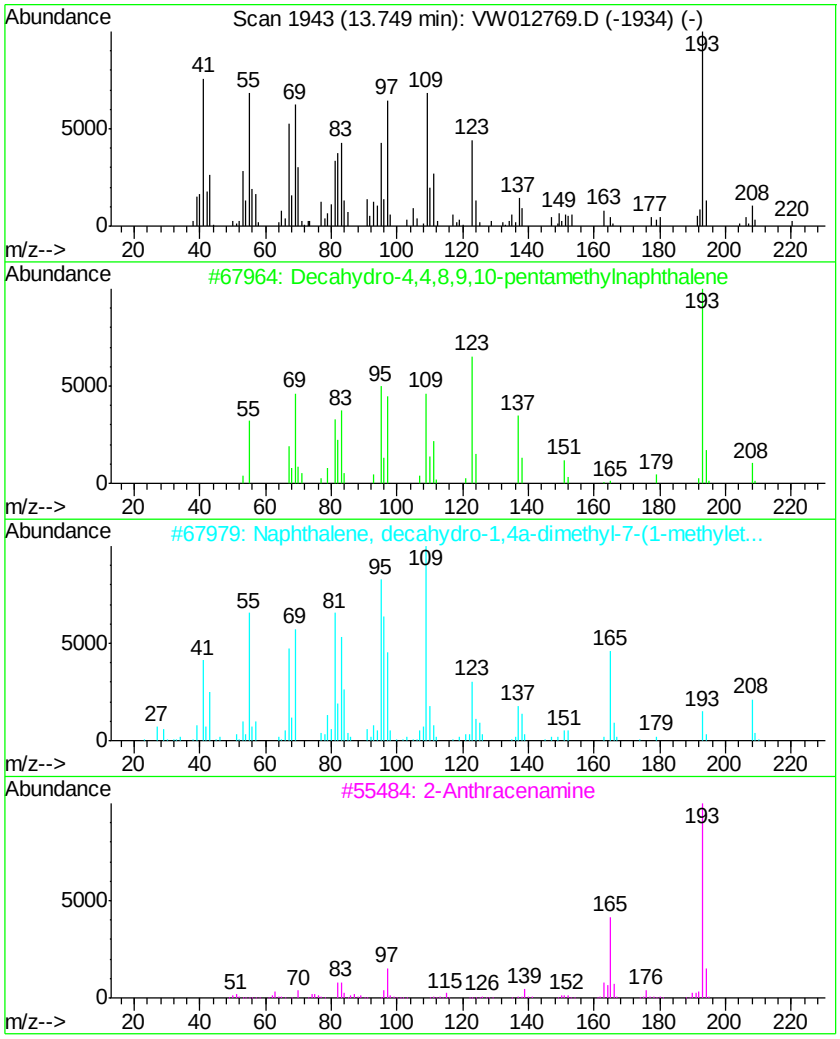
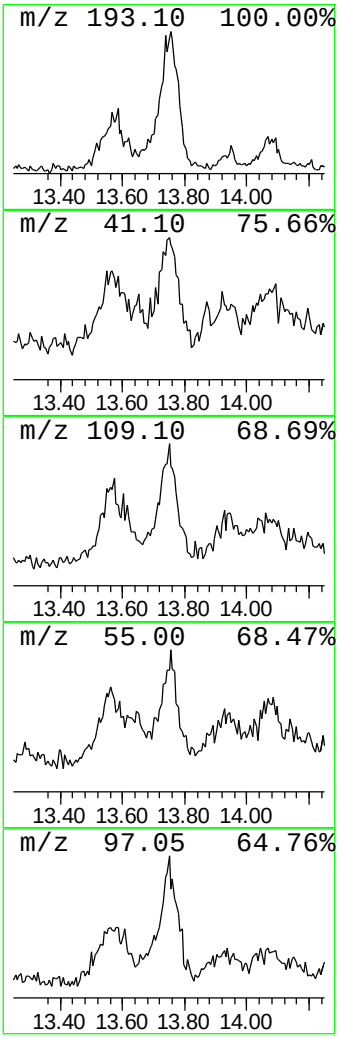
Peak Number 2 Decahydro-4,4,8,9,10-pentam... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 11.26 ug/l | 178013 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 70 |
| 2 | Naphthalene, decahydro-1,4a-dime... | 208 | C15H28 | 030824-81-8 | 38 |
| 3 | 2-Anthracenamine | 193 | C14H11N | 000613-13-8 | 25 |
| 4 | n-Octylidencyclohexane | 194 | C14H26 | 137595-12-1 | 25 |
| 5 | Cyclohexene, 3,3,5-trimethyl- | 124 | C9H16 | 000503-45-7 | 25 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012769.D
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

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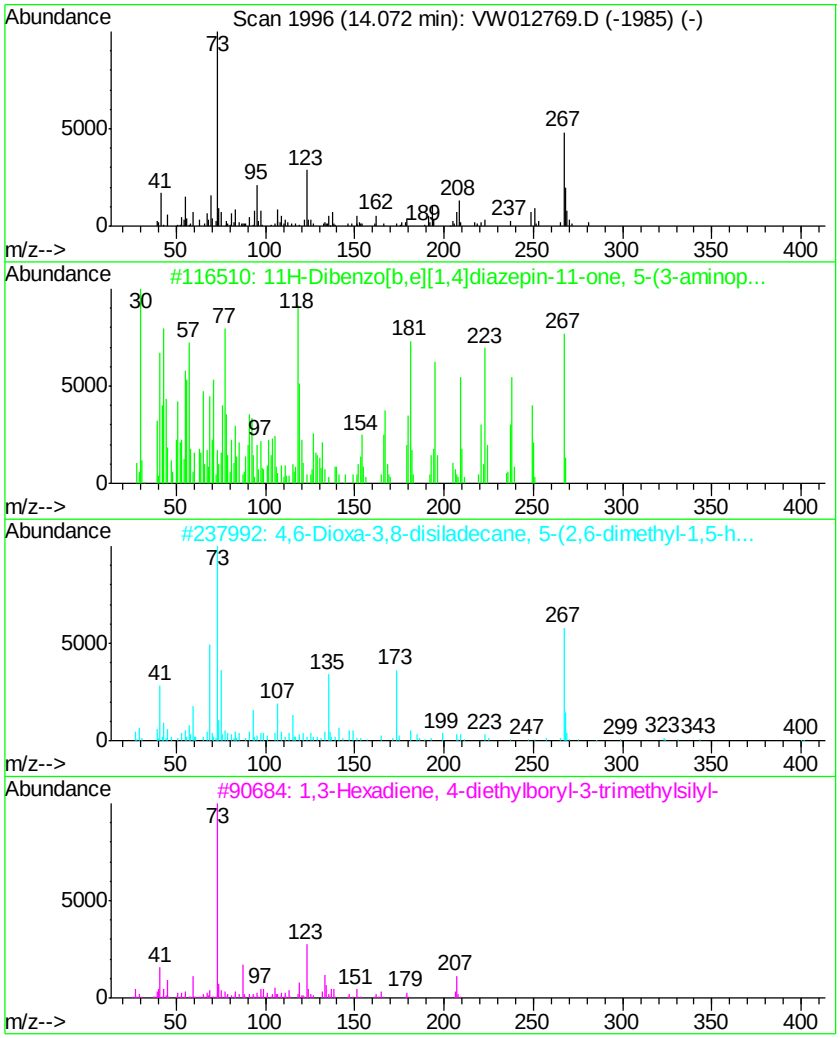
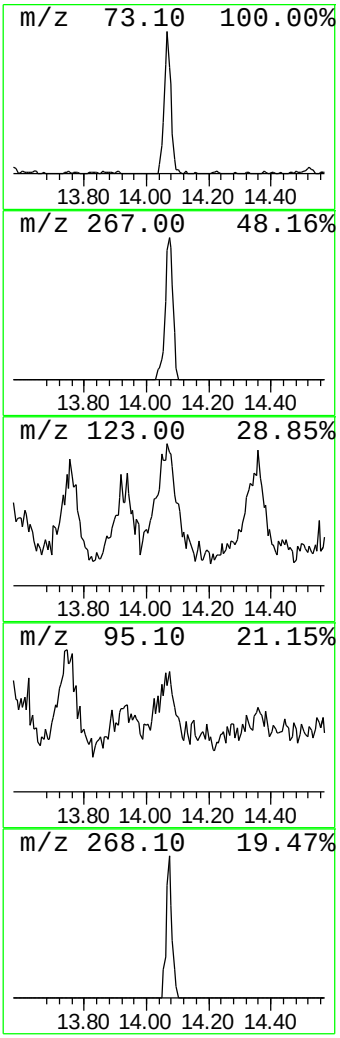
Peak Number 3 unknown14.07 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.07 | 5.19 ug/l | 82103 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Dibenzo[b,e][1,4]diazepin-11... | 267 | C16H17N3O | 013450-73-2 | 25 |
| 2 | 4,6-Dioxa-3,8-disiladecane, 5-(2... | 532 | C32H60O2Si2 | 109629-49-4 | 17 |
| 3 | 1,3-Hexadiene, 4-diethylboryl-3-... | 236 | C14H29BSi | 1000155-03-7 | 12 |
| 4 | Silane, (2-ethyl-5,5-dimethyl-4-... | 208 | C13H24Si | 095798-05-3 | 9 |
| 5 | Silane, trimethyl[[p-(trimethyls... | 268 | C13H24O2Si2 | 018401-58-6 | 9 |



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Data File : VW012769.D
Acq On : 08 Sep 2019 15:10
Operator : SY/VA
Sample : K4603-06
Misc : 3.28G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

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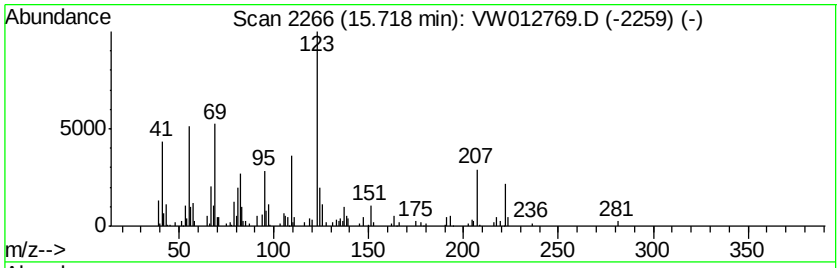
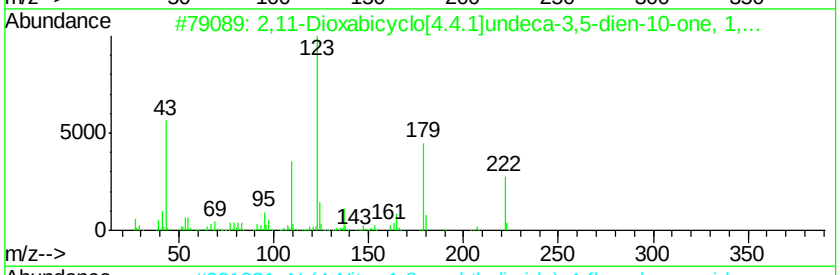
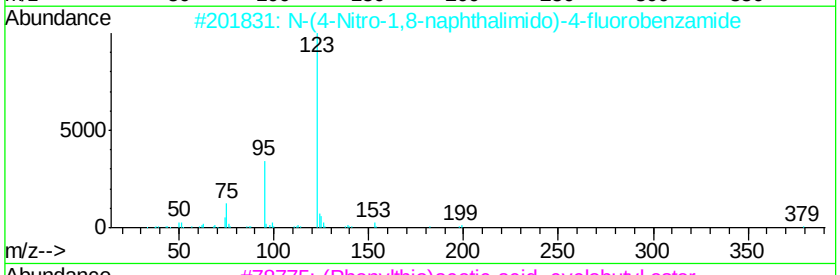
Peak Number 4 unknown15.72 Concentration Rank 2

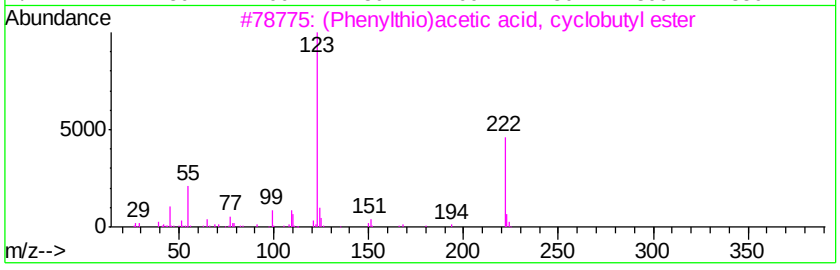
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.72 | 8.24 ug/l | 130215 | 1,4-Dichlorobenzene-d4 | 13.55 |

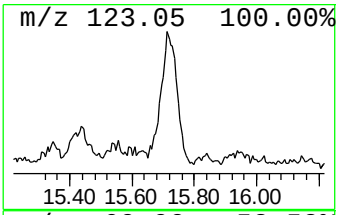
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3 | 070412-52-1 | 43 |
| 2 | N-(4-Nitro-1,8-naphthalimido)-4-... | 379 | C19H10FN3O5 | 300690-90-8 | 38 |
| 3 | (Phenylthio)acetic acid, cyclobu... | 222 | C12H14O2S | 1000299-95-5 | 38 |
| 4 | 3-Fluorobenzoic acid, propargyl ... | 178 | C10H7FO2 | 1000325-53-9 | 38 |
| 5 | trans-Chrysanthemal | 152 | C10H16O | 020104-05-6 | 35 |

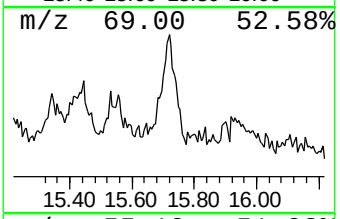


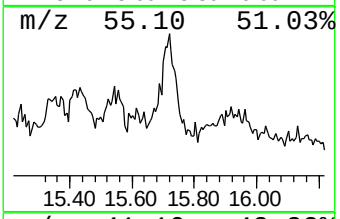



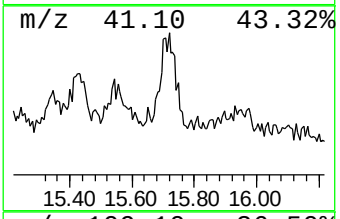



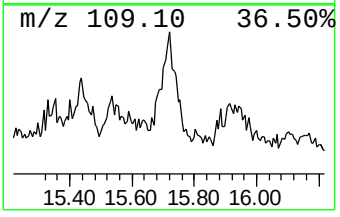



Tentatively Identified Compound (LSC) summary

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Misc : 3.28G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

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**ClientSampleId :** PAR-E4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.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 | 2.35 | 5.1 | ug/l | 68498 | 1 | 7.95 | 668821 | 50.0 |
| Decahydro-4,4,8,9... | 13.75 | 11.3 | ug/l | 178013 | 4 | 13.55 | 790580 | 50.0 |
| unknown14.07 | 14.07 | 5.2 | ug/l | 82103 | 4 | 13.55 | 790580 | 50.0 |
| unknown15.72 | 15.72 | 8.2 | ug/l | 130215 | 4 | 13.55 | 790580 | 50.0 |