Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 26 15:55:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 15:50:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 497946 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 497791 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 250692 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 183196 | 35.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 71.88% | | | |
| 7) Chloroethane-d5 | 1.63 | 69 | 150627 | 38.23 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 76.46% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.22 | 63 | 296207 | 34.31 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.62% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 439867 | 112.59 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 112.59% | | | |
| 24) Chloroform-d | 4.62 | 84 | 362883 | 48.97 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.94% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.28 | 65 | 256861 | 47.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.30% | | | |
| 32) Benzene-d6 | 5.31 | 84 | 781287 | 50.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.28% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 275659 | 51.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 102.24% | | | |
| 41) Toluene-d8 | 7.54 | 98 | 748407 | 50.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.96% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 122488 | 47.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.84% | | | |
| 47) 2-Hexanone-d5 | 8.30 | 63 | 321464 | 118.68 | ug/L | 0.01 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 118.68% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 417734 | 55.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 111.66% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 296584 | 56.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 112.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) Methyl Acetate | 2.61 | 43 | 5224 | 0.861 | ug/L # | 78 |
| 29) Cyclohexane | 4.95 | 56 | 8756 | 1.066 | ug/L # | 88 |
| 35) Methylcyclohexane | 6.39 | 83 | 94179 | 13.016 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 8.02 | 97 | 74851 | 18.178 | ug/L # | 16 |
| 46) Tetrachloroethene | 8.20 | 164 | 3395 | 1.132 | ug/L | 78 |
| 48) 2-Hexanone | 8.31 | 43 | 140826 | 18.372 | ug/L # | 40 |
| 52) Ethylbenzene | 9.23 | 91 | 218960 | 10.421 | ug/L | 98 |
| 53) m,p-Xylene | 9.36 | 106 | 191406 | 25.720 | ug/L | 97 |
| 54) o-xylene | 9.76 | 106 | 27363 | 3.717 | ug/L | 98 |
| 56) Isopropylbenzene | 10.15 | 105 | 249674 | 12.580 | ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.43 | 83 | 12865 | 1.627 | ug/L # | 71 |
| 69) Naphthalene | 13.72 | 128 | 162611 | 10.269 | ug/L # | 85 |

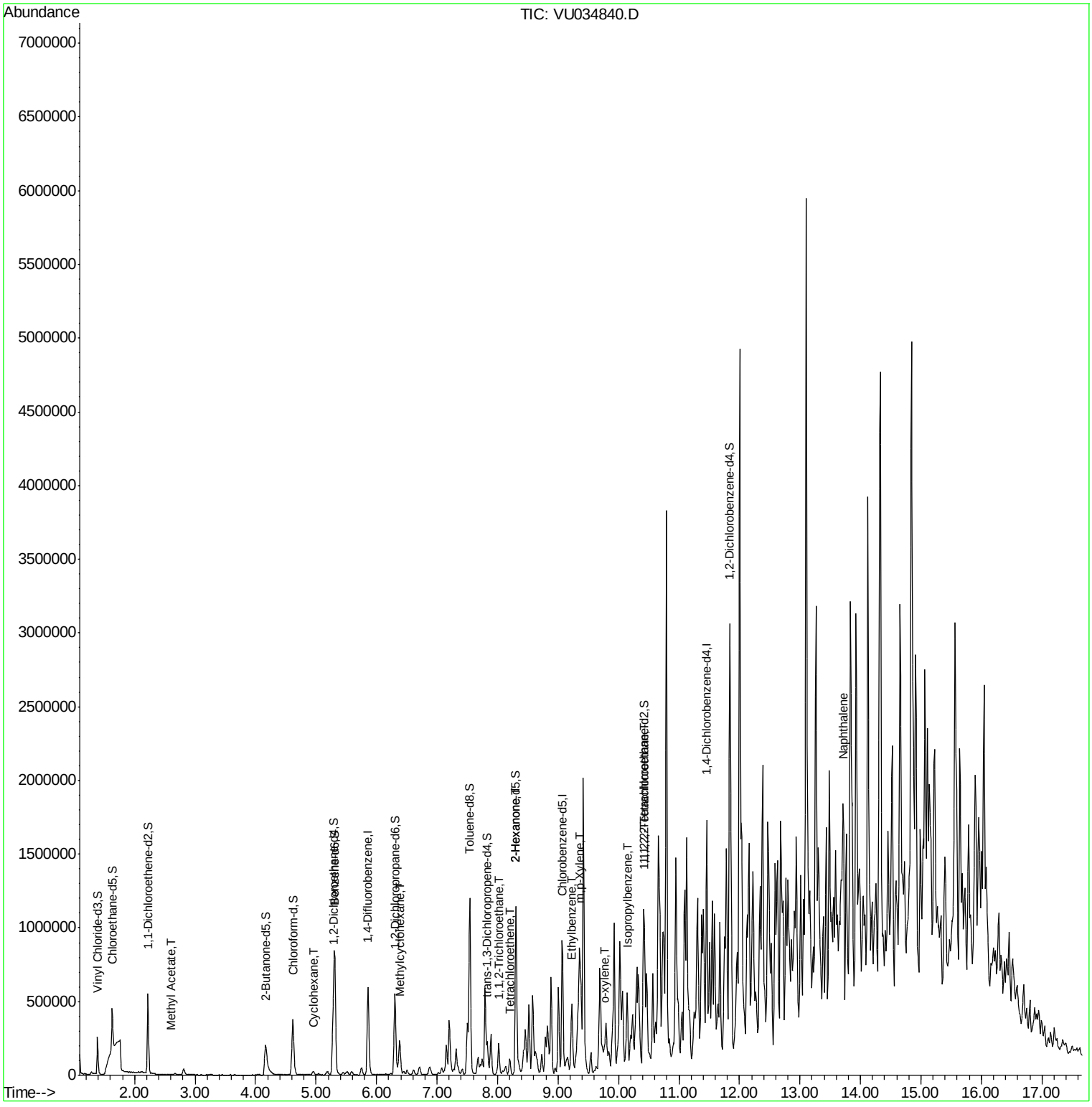
(#) = qualifier out of range (m) = manual integration (+) = signals summed

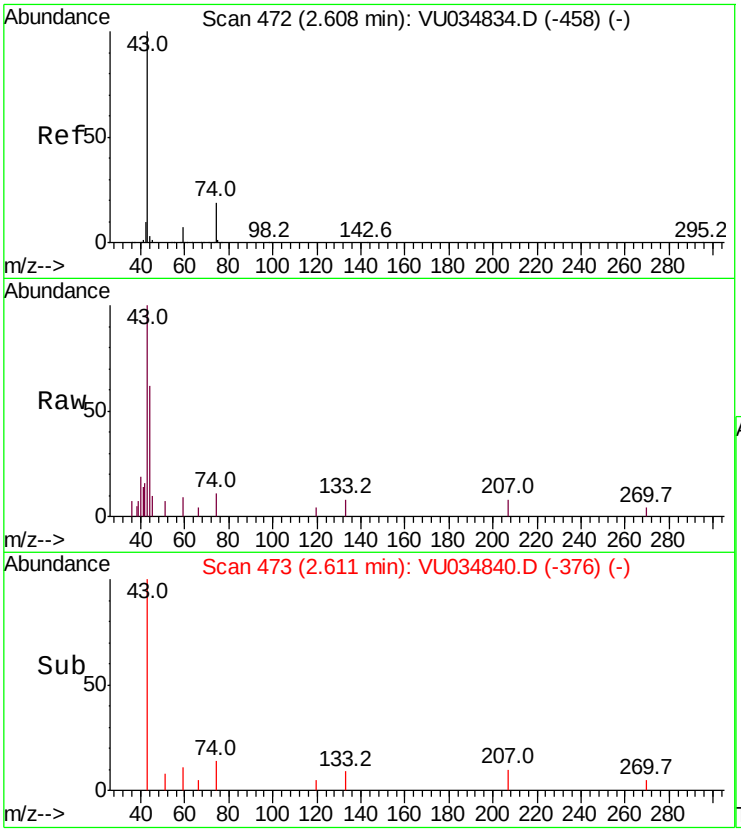
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034840.D
Acq On : 26 Sep 2019 12:48
Operator : JC/SP
Sample : K4984-08
Misc : 6.22g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 26 15:55:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 15:50:26 2019
Response via : Initial Calibration



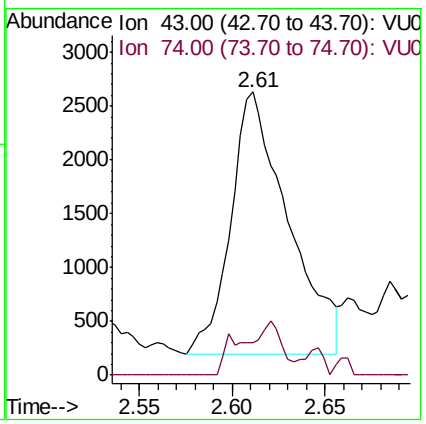


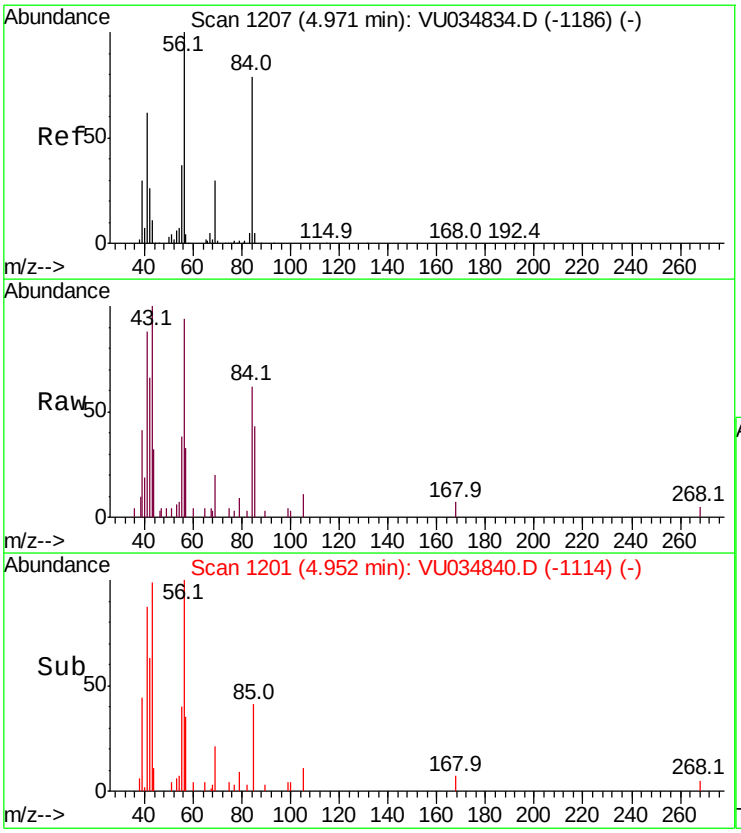

#15
Methyl Acetate
Concen: 0.861 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion: 43 Resp: 5224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 8.2 | 14.4 | 21.6# |

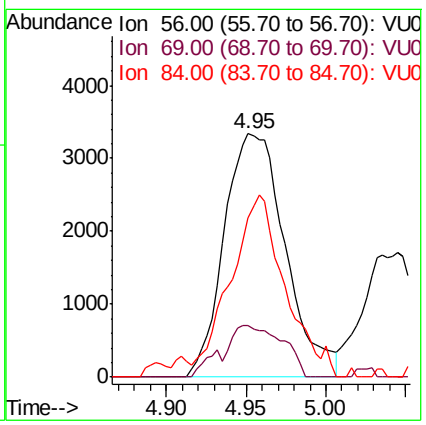


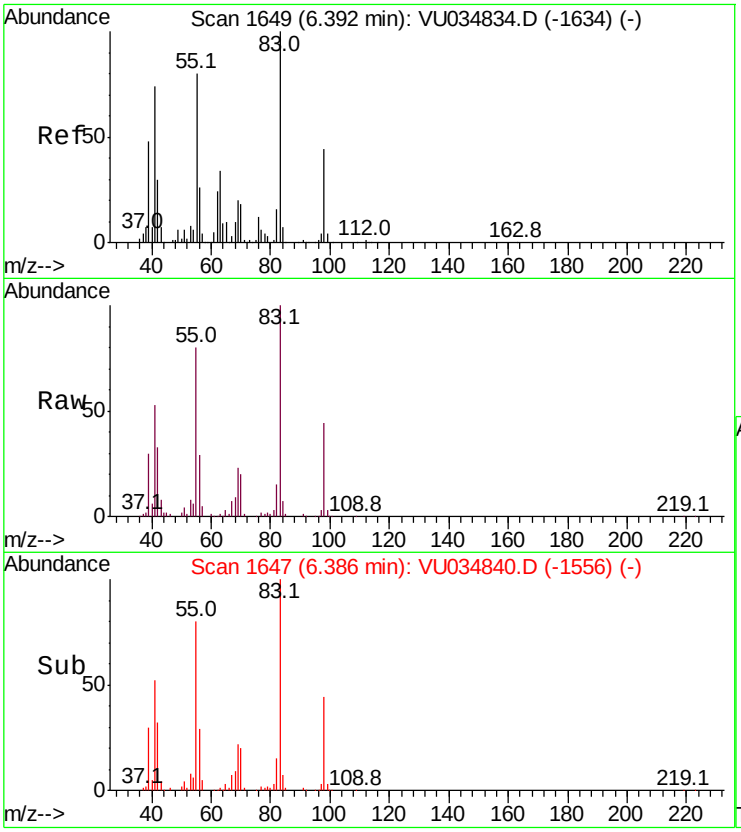




#29
Cyclohexane
Concen: 1.066 ug/L
RT: 4.95 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion: 56 Resp: 8756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 17.7 | 21.7 | 32.5# |
| 84 | 65.5 | 58.8 | 88.2 |



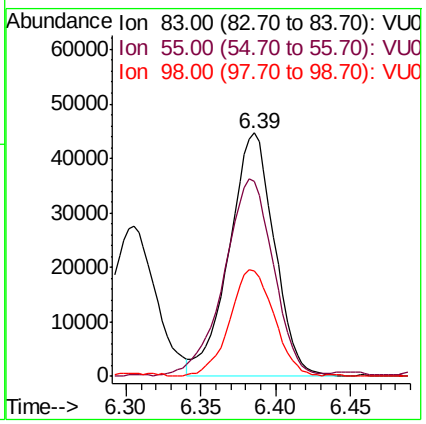


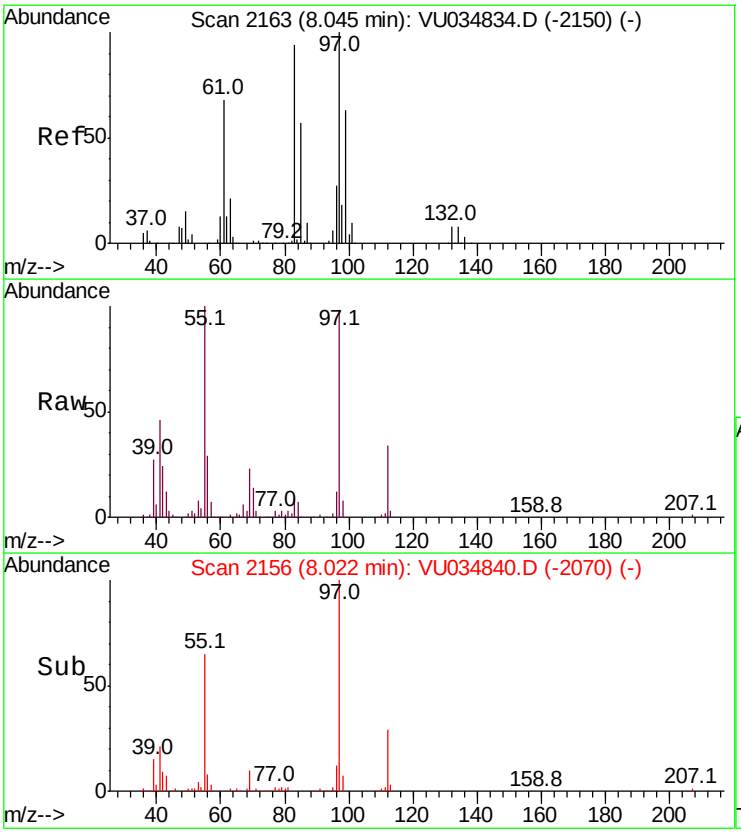

#35
Methylcyclohexane
Concen: 13.016 ug/L
RT: 6.39 min Scan# 1647
Delta R.T. -0.01 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion: 83 Resp: 94179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 87.2 | 71.6 | 107.4 |
| 98 | 42.9 | 35.7 | 53.5 |

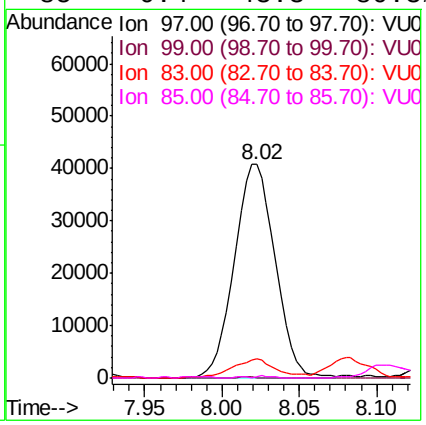


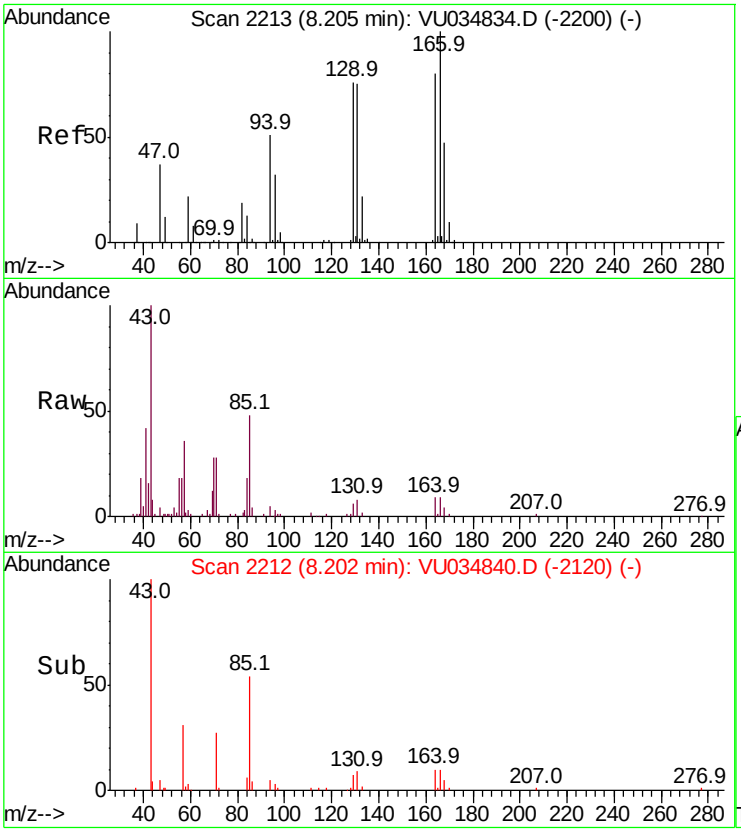




#45
1,1,2-Trichloroethane
Concen: 18.178 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.02 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion: 97 Resp: 74851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 43.6 | 81.0# |
| 83 | 9.2 | 66.9 | 124.3# |
| 85 | 0.4 | 43.3 | 80.3# |



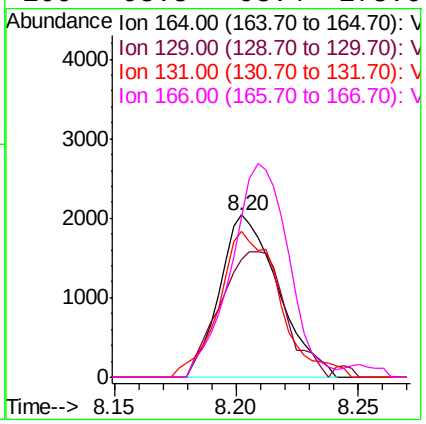


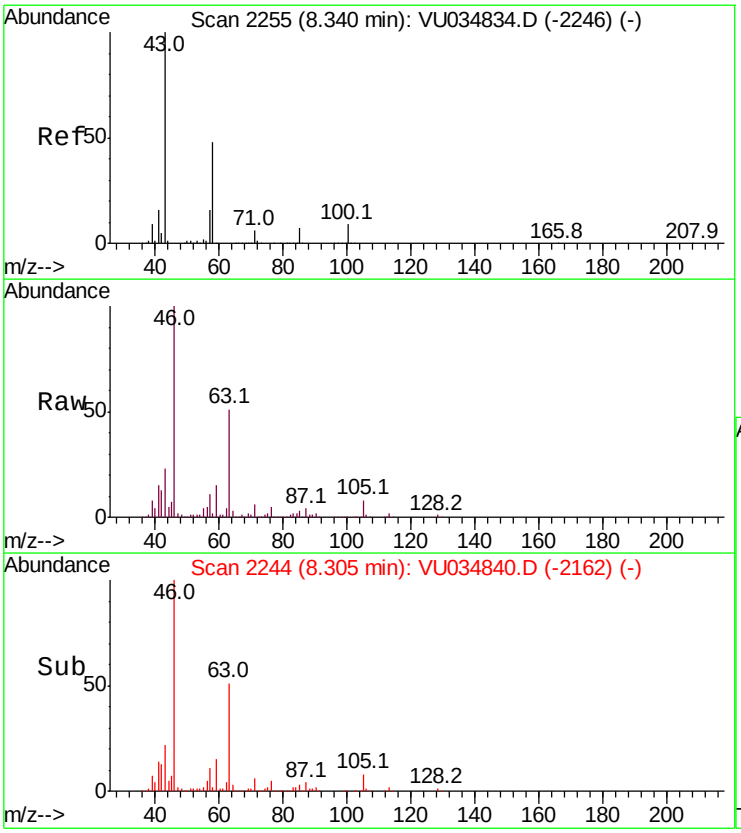

#46
Tetrachloroethene
Concen: 1.132 ug/L
RT: 8.20 min Scan# 2212
Delta R.T. -0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion:164 Resp: 3395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 72.9 | 71.9 | 133.5 |
| 131 | 90.3 | 66.3 | 123.1 |
| 166 | 98.8 | 93.4 | 173.6 |

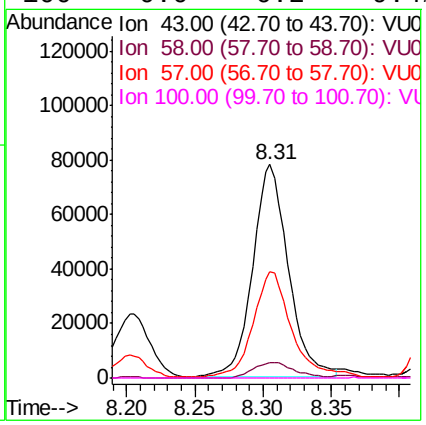


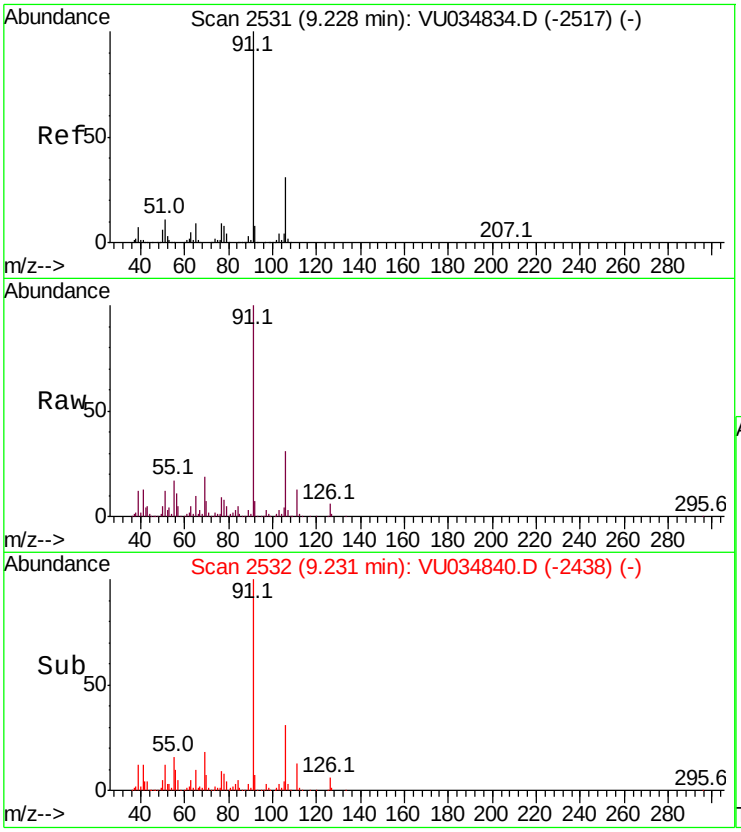




#48
2-Hexanone
Concen: 18.372 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.04 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion: 43 Resp: 140826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 8.5 | 35.3 | 52.9# |
| 57 | 53.7 | 12.1 | 18.1# |
| 100 | 0.0 | 6.2 | 9.4# |



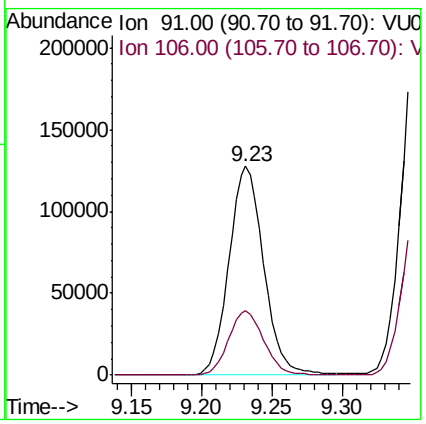


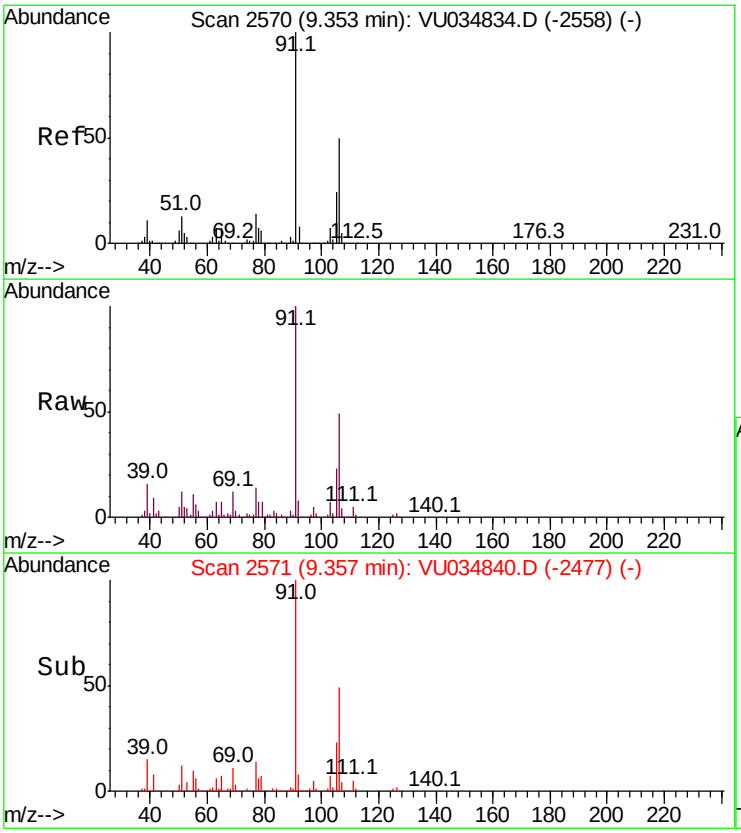

#52
Ethylbenzene
Concen: 10.421 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion: 91 Resp: 218960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 20.6 | 38.4 |

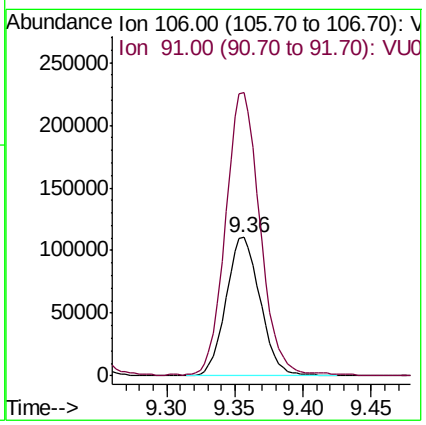


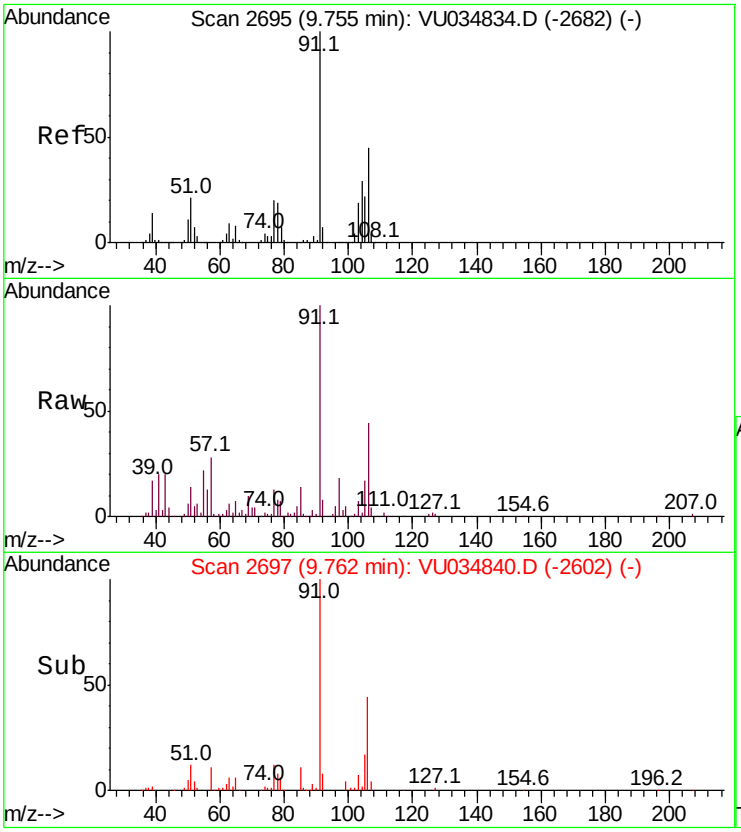




#53
m,p-Xylene
Concen: 25.720 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion:106 Resp: 191406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.6 | 146.9 | 272.7 |



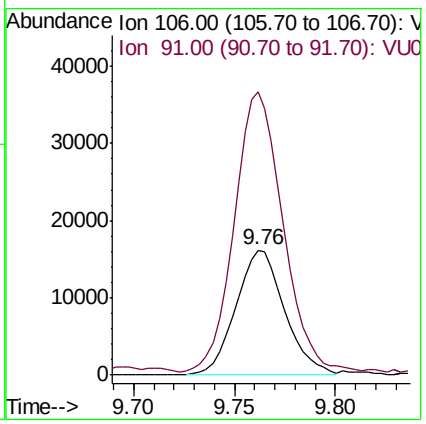


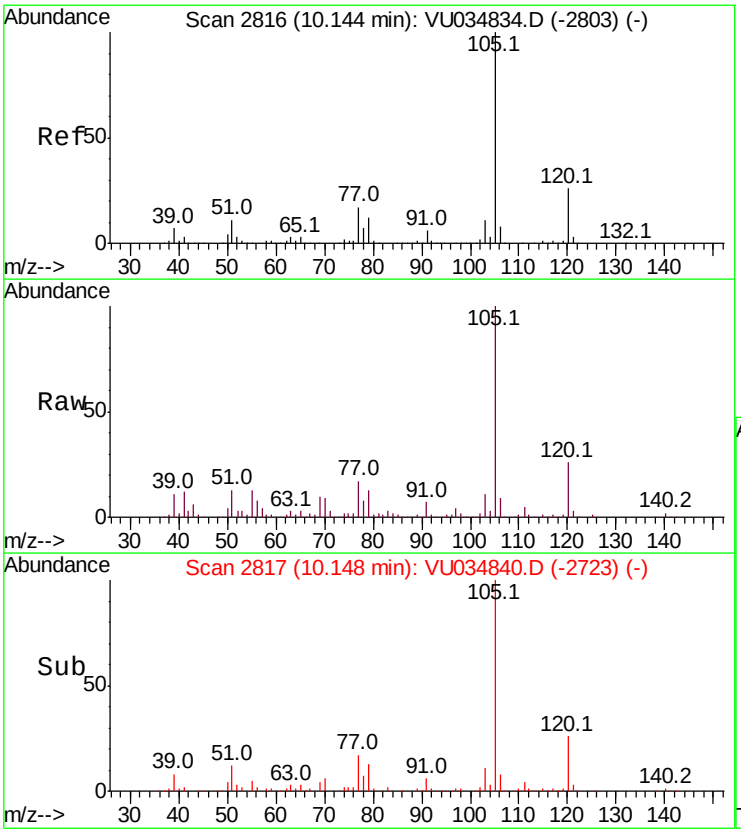

#54
o-xylene
Concen: 3.717 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.01 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion:106 Resp: 27363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.2 | 155.6 | 289.0 |

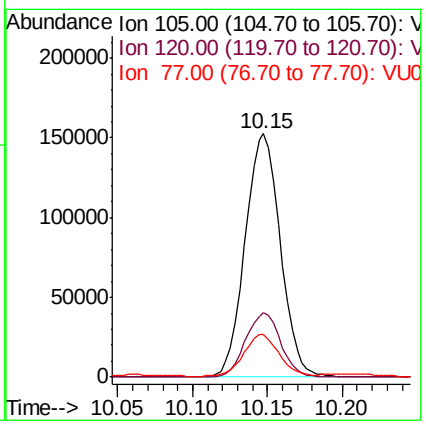


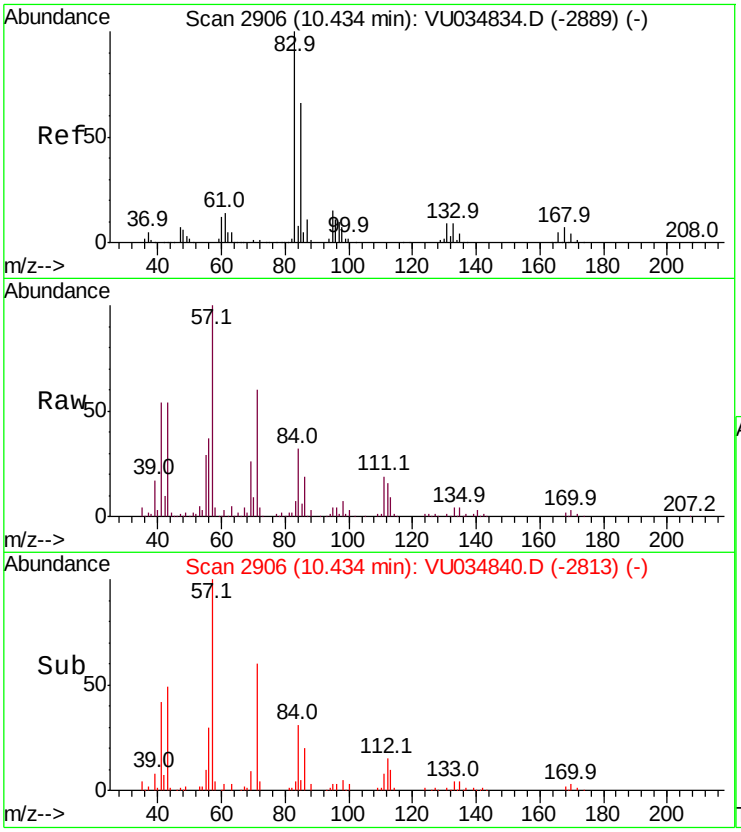




#56
Isopropylbenzene
Concen: 12.580 ug/L
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion:105 Resp: 249674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 20.4 | 30.6 |
| 77 | 16.9 | 14.2 | 21.4 |



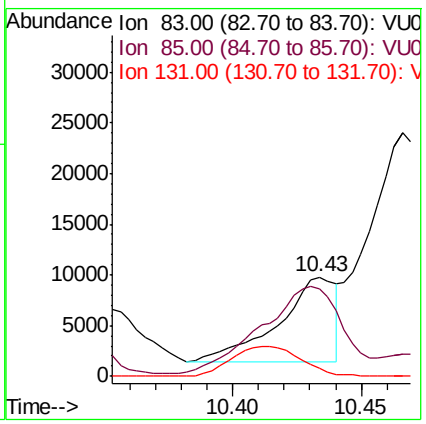


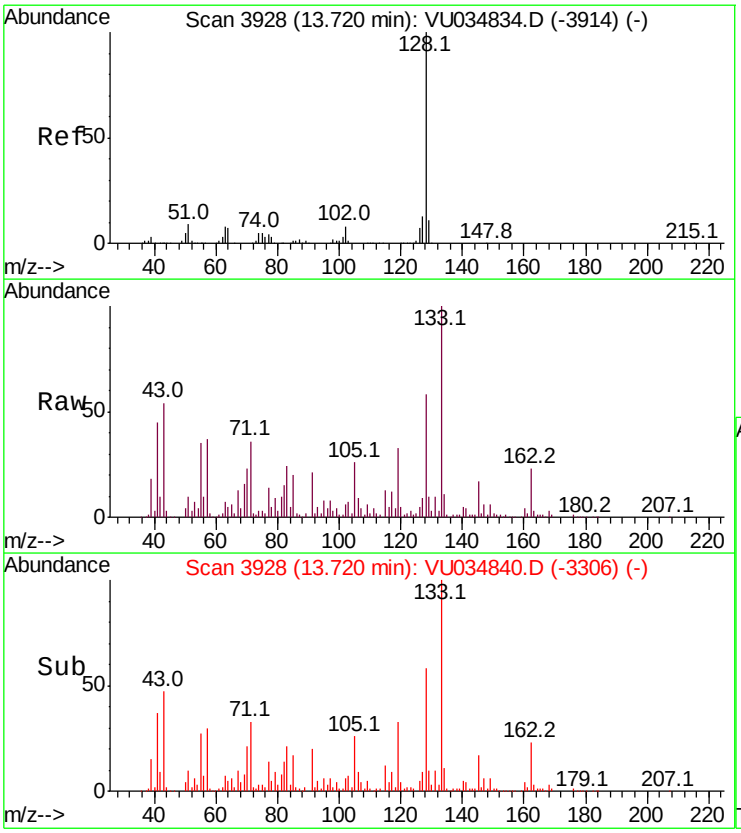

#58
1,1,2,2-Tetrachloroethane
Concen: 1.627 ug/L
RT: 10.43 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

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

Tgt Ion: 83 Resp: 12865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 88.9 | 44.6 | 82.8# |
| 131 | 7.7 | 6.6 | 10.0 |




#69
Naphthalene
Concen: 10.269 ug/L
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034840.D
Acq: 26 Sep 2019 12:48

Tgt Ion:128 Resp: 162611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.8 | 16.2 |
| 129 | 22.4 | 8.6 | 12.8# |