Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

Quantitation Report (Not Reviewed)

Data File : VU029860.D
Acq On : 07 Mar 2019 18:15
Operator : JC/SP
Sample : K1734-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1G6

Quant Time: Mar 08 04:35:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 479924 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 462103 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 217793 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 136708 | 38.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.74% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 117129 | 37.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 74.92% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 191590 | 27.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 55.74%# | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 219824 | 102.72 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.72% | | | |
| 24) Chloroform-d | 4.64 | 84 | 268779 | 47.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.24% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 166328 | 46.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.12% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 565197 | 48.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.22% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 179899 | 51.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 102.84% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 515671 | 43.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 86.92% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 78517 | 42.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 84.62% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 174866 | 89.76 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 89.76% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 270633 | 45.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 91.56% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 215225 | 45.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.72% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 1.32 | 50 | 2787 | 0.965 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 2025 | 0.606 | ug/L # | 17 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 2033 | 0.640 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 6948 | 3.038 | ug/L | 98 |
| 25) Chloroform | 4.67 | 83 | 3201 | 0.566 | ug/L | 84 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 4489 | 0.895 | ug/L # | 61 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 3197 | 0.676 | ug/L # | 79 |
| 48) 2-Hexanone | 8.36 | 43 | 4732 | 1.239 | ug/L # | 75 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 21998 | 4.961 | ug/L | 93 |

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

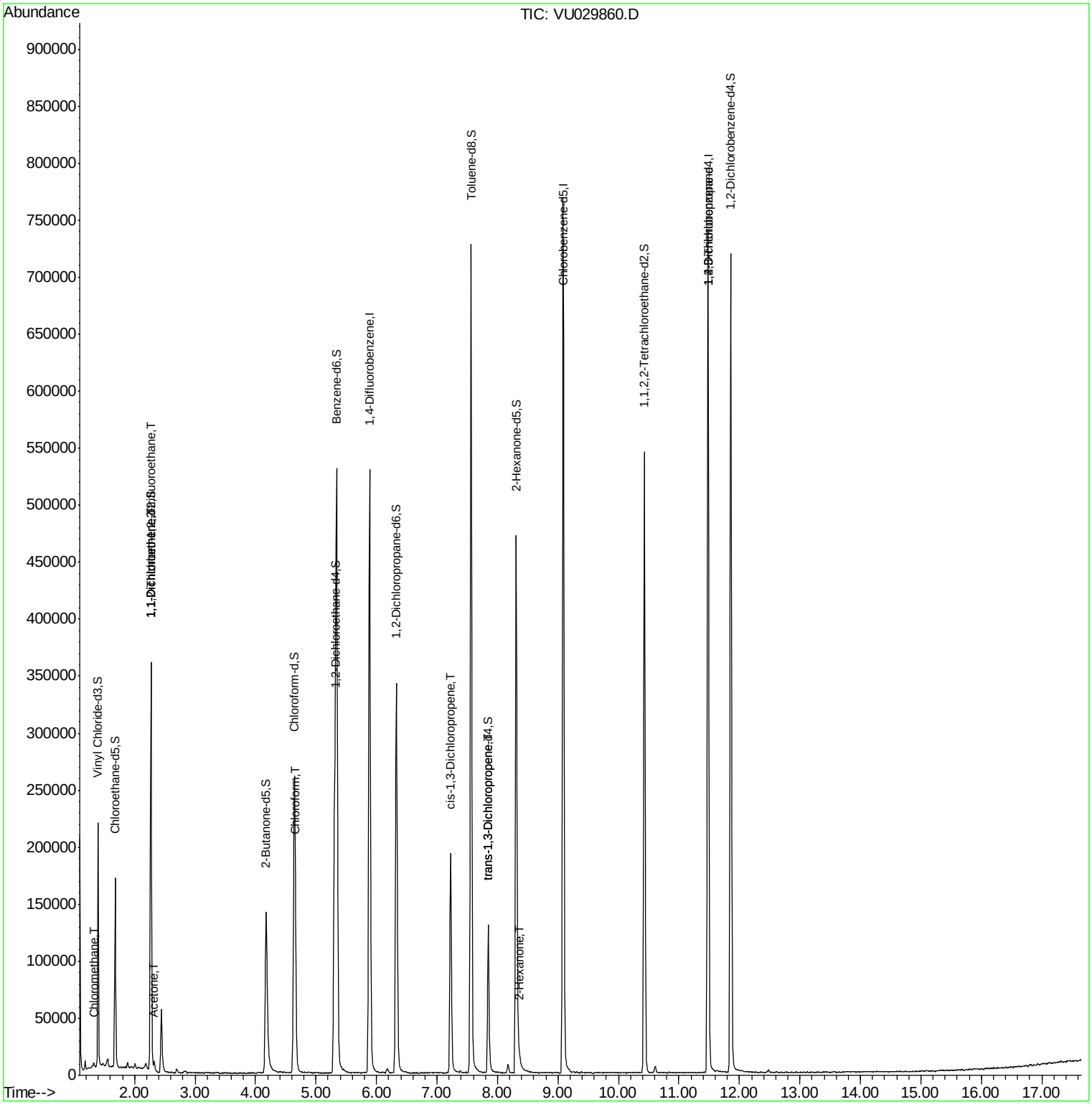
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

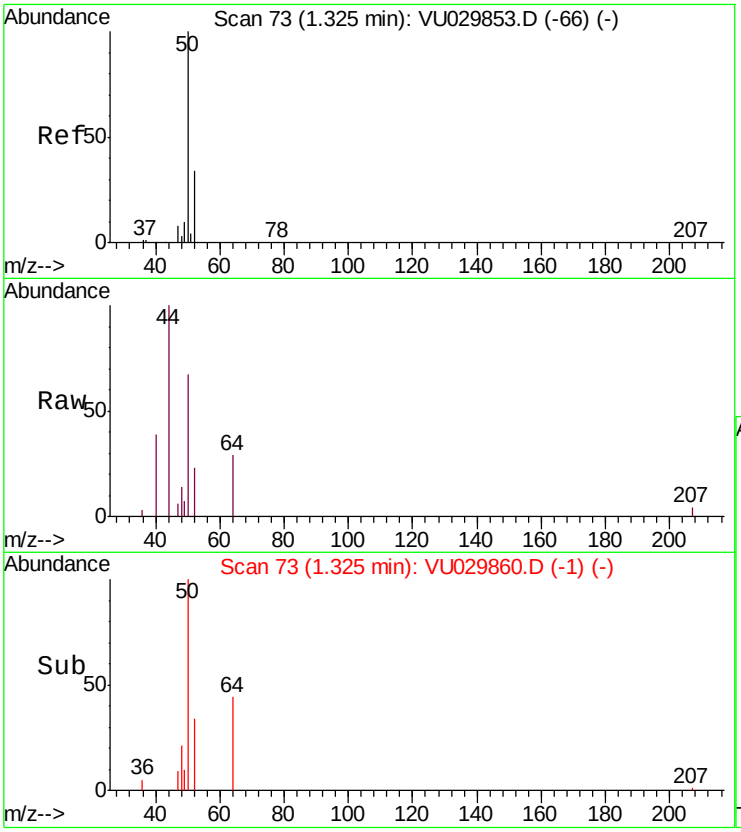
Quantitation Report (Not Reviewed)

Data File : VU029860.D
Acq On : 07 Mar 2019 18:15
Operator : JC/SP
Sample : K1734-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF1G6

Quant Time: Mar 08 04:35:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration



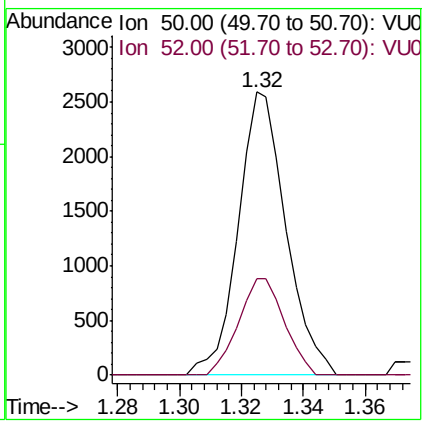


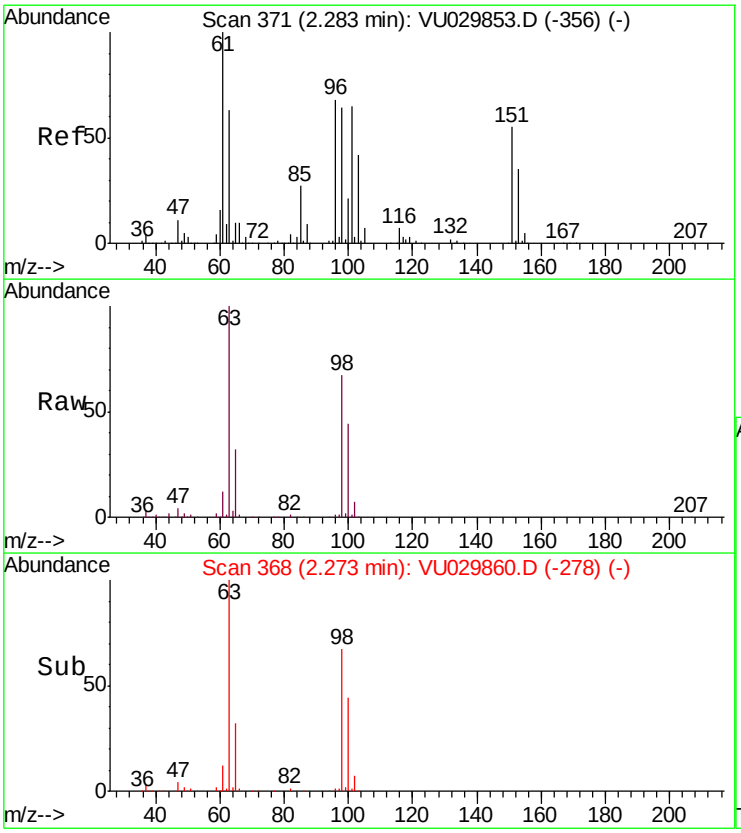

#3
Chloromethane
Concen: 0.965 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF1G6

Tgt Ion: 50 Resp: 2787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.0 | 23.9 | 44.3 |

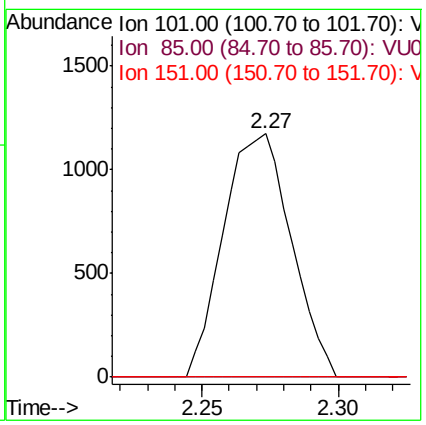


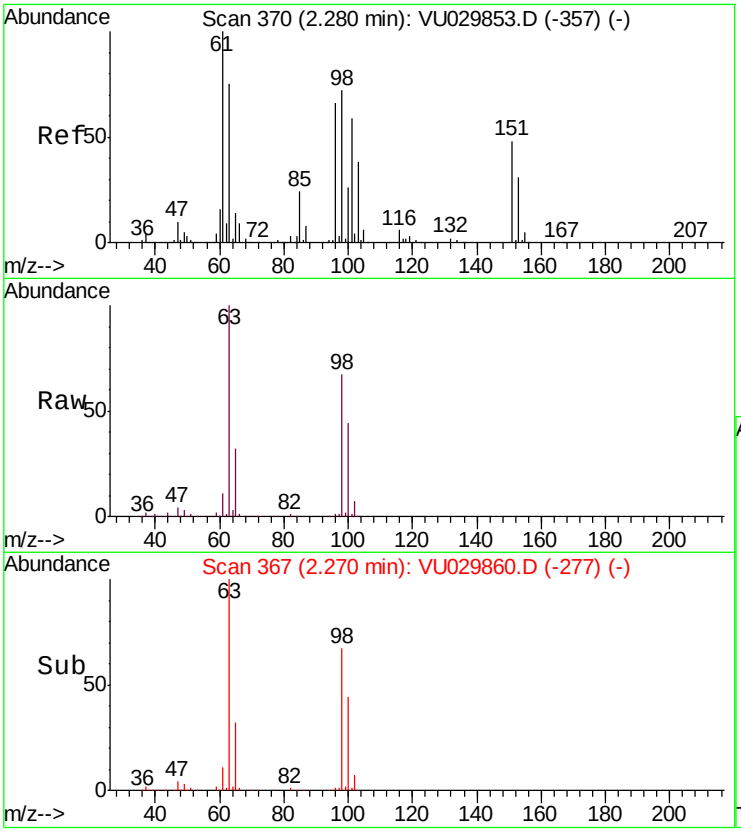




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.606 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

Tgt Ion:101 Resp: 2025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.0 | 49.6# |
| 151 | 0.0 | 65.7 | 98.5# |



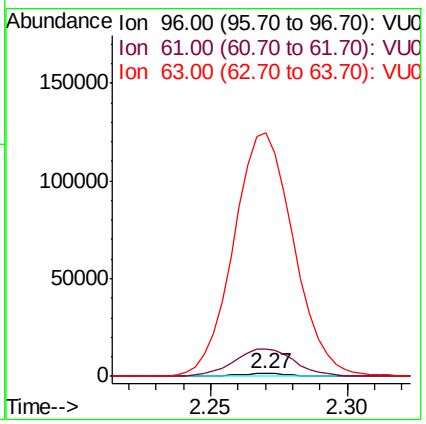


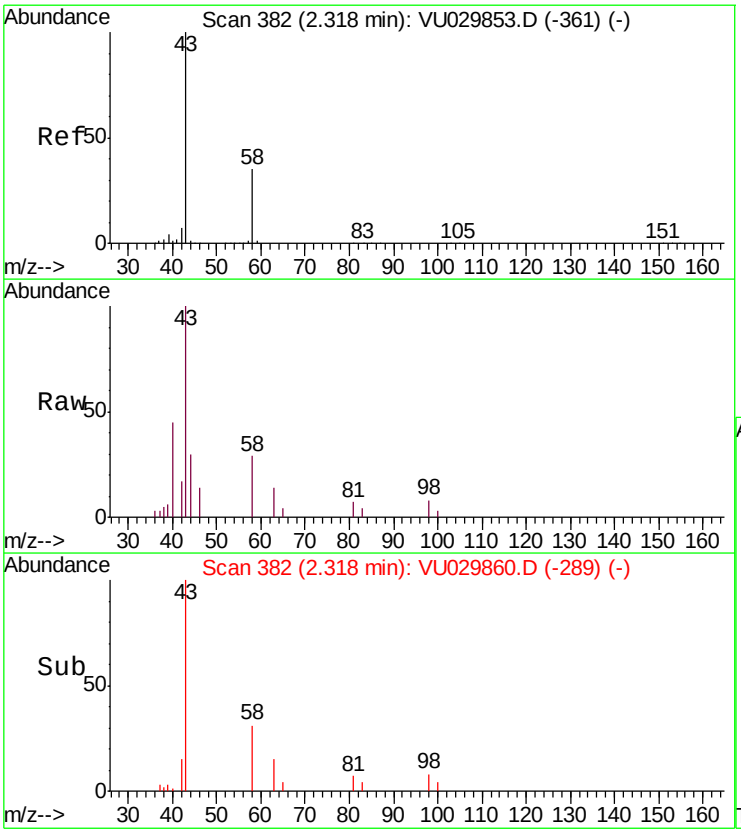

#12
1,1-Dichloroethene
Concen: 0.640 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

**Instrument :** MSVOA_U
**ClientSampleId :** BF1G6

Tgt Ion: 96 Resp: 2033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 992.7 | 114.0 | 211.8# |
| 63 | 8696.2 | 98.7 | 183.3# |

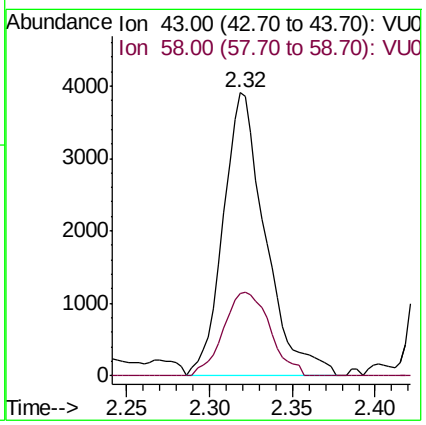


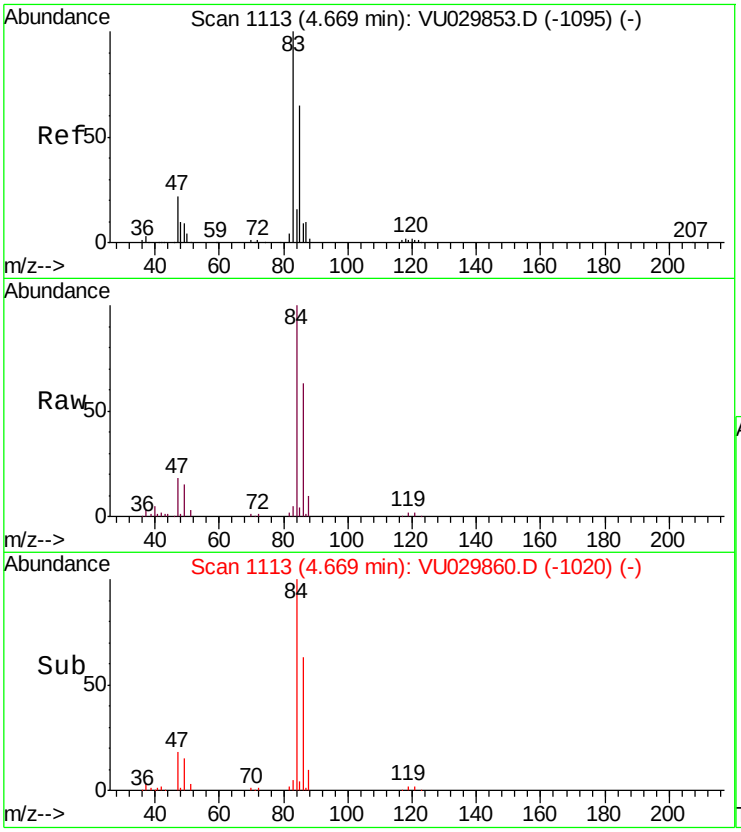




#13
Acetone
Concen: 3.038 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

Tgt Ion: 43 Resp: 6948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.5 | 0.0 | 66.8 |



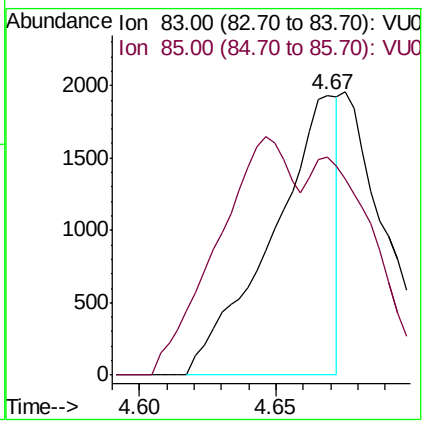


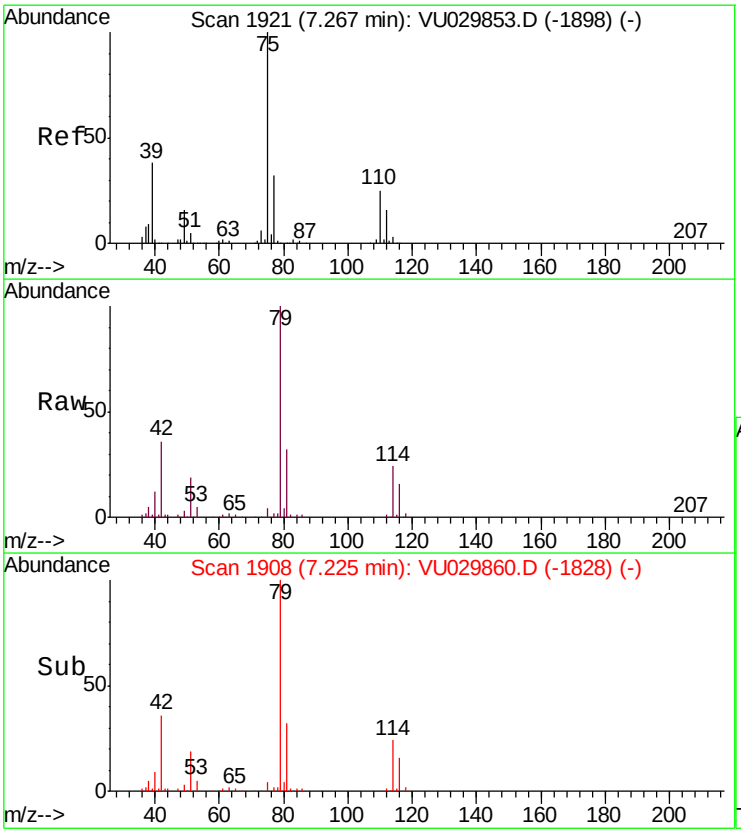

#25
Chloroform
Concen: 0.566 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF1G6

Tgt Ion: 83 Resp: 3201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 77.7 | 45.4 | 84.2 |

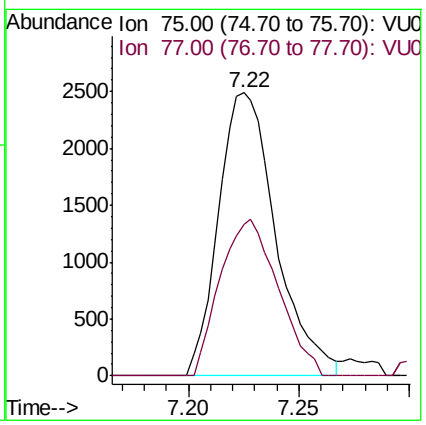


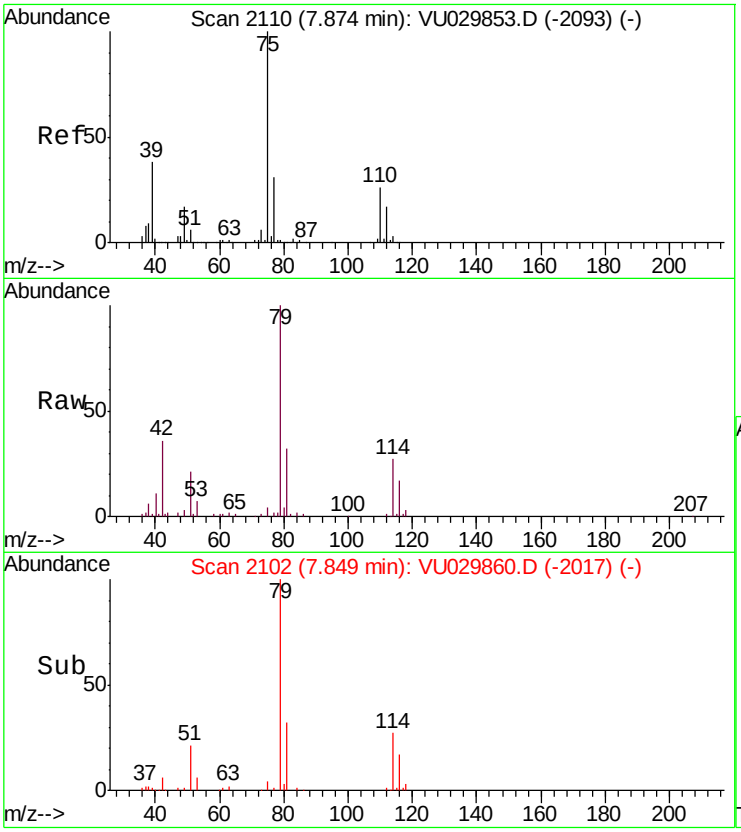




#39
cis-1,3-Dichloropropene
Concen: 0.895 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

Tgt Ion: 75 Resp: 4489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 53.7 | 22.3 | 41.5# |



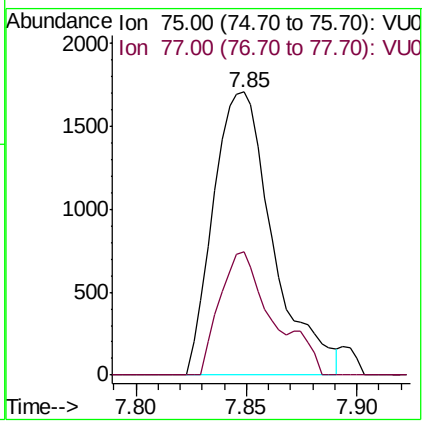


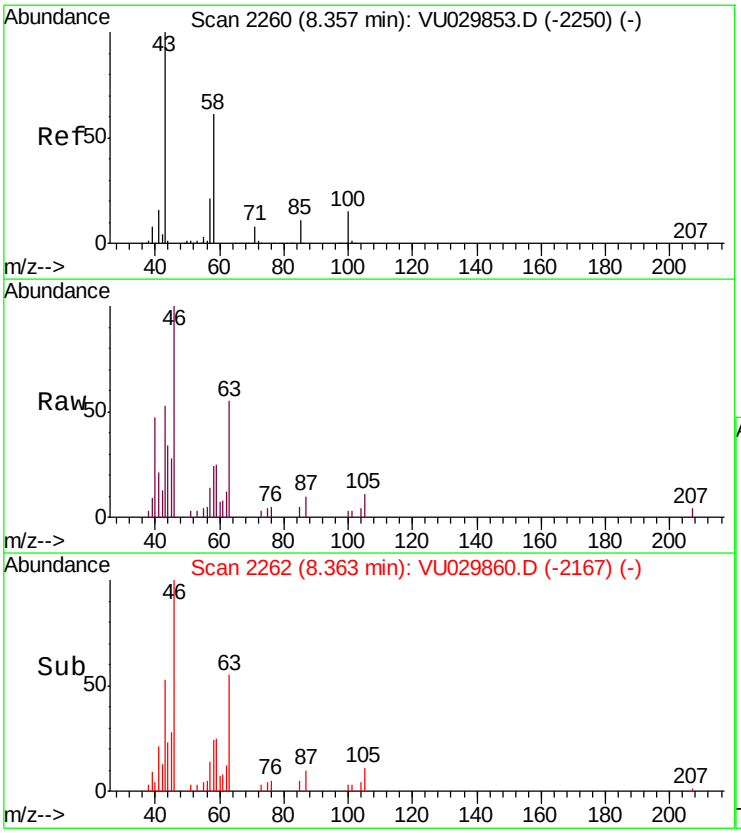

#44
trans-1,3-Dichloropropene
Concen: 0.676 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF1G6

Tgt Ion: 75 Resp: 3197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.5 | 22.1 | 41.1# |

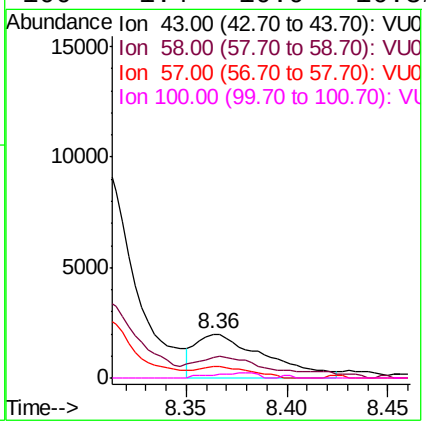


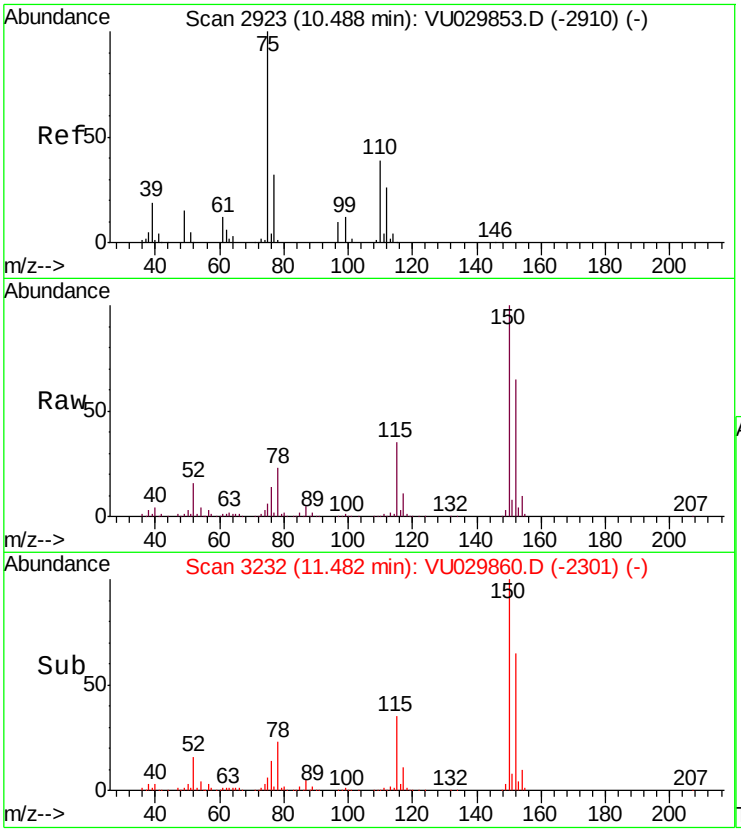




#48
2-Hexanone
Concen: 1.239 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

Tgt Ion: 43 Resp: 4732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.7 | 46.4 | 69.6# |
| 57 | 19.8 | 15.7 | 23.5 |
| 100 | 1.4 | 10.9 | 16.3# |






#59
1,2,3-Trichloropropane
Concen: 4.961 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029860.D
Acq: 07 Mar 2019 18:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF1G6

Tgt Ion: 75 Resp: 21998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.1 | 25.7 | 38.5 |