Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\

Quantitation Report (Not Reviewed)

Data File : VU028771.D
Acq On : 18 Dec 2018 15:46
Operator : MD/SY
Sample : J6471-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9H18

Quant Time: Dec 19 00:42:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 00:38:48 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 201499 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 190083 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 84375 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 80482 | 42.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 85.54% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 62416 | 44.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 88.50% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 102929 | 31.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 62.04% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 115782 | 76.61 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 76.61% | | | |
| 24) Chloroform-d | 4.64 | 84 | 123278 | 41.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 82.78% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 79351 | 40.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 80.82% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 277830 | 46.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.50% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 95864 | 44.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 89.82% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 244323 | 45.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.16% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 41915 | 42.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 85.88% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 91584 | 88.60 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 88.60% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 124062 | 44.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 89.48% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 89638 | 52.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.72% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 8) Chloroethane | 1.40 | 64 | 1163 | 0.909 | ug/L # | 1 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 943 | 0.673 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 814 | 0.613 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 1188 | 0.703 | ug/L | 86 |
| 27) 1,2-Dichloroethane | 5.34 | 62 | 1395 | 0.562 | ug/L # | 76 |
| 35) Methylcyclohexane | 6.33 | 83 | 19947 | 7.184 | ug/L # | 15 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2110 | 0.733 | ug/L # | 52 |
| 48) 2-Hexanone | 8.31 | 43 | 9755 | 3.735 | ug/L # | 67 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 10037 | 4.383 | ug/L | 93 |

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

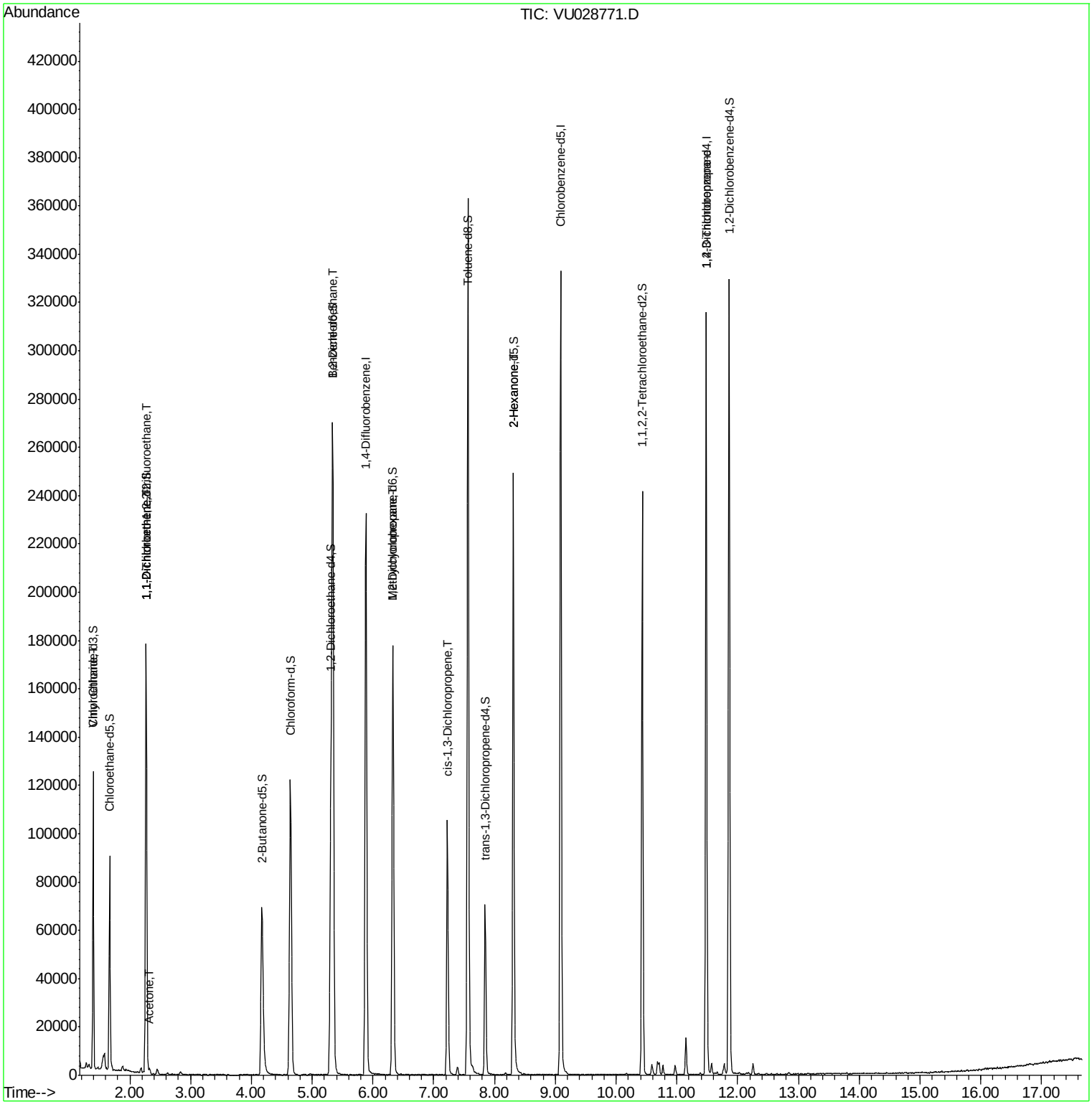
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\

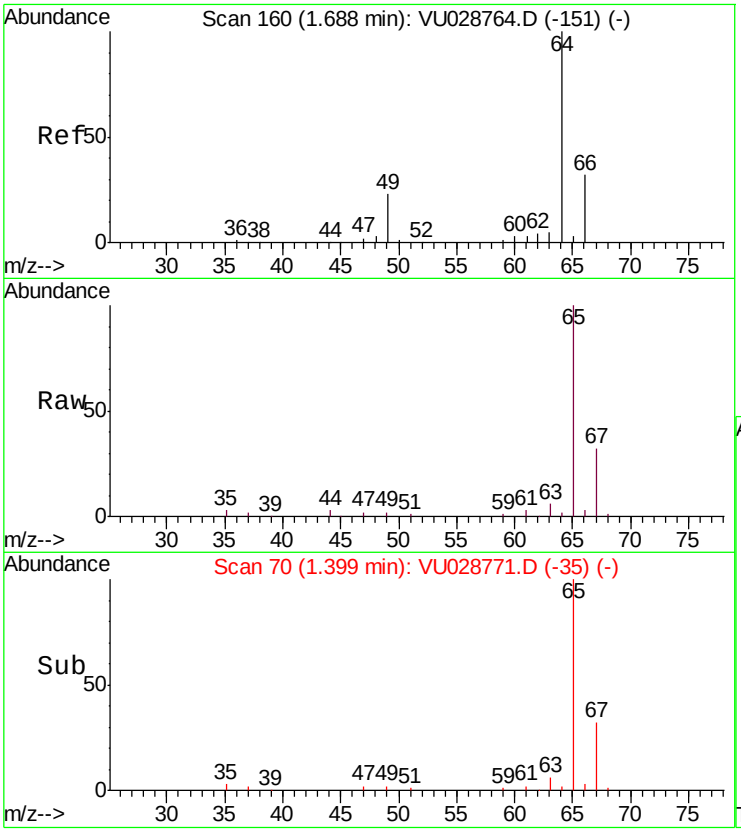
Quantitation Report (Not Reviewed)

Data File : VU028771.D
Acq On : 18 Dec 2018 15:46
Operator : MD/SY
Sample : J6471-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9H18

Quant Time: Dec 19 00:42:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 00:38:48 2018
Response via : Initial Calibration



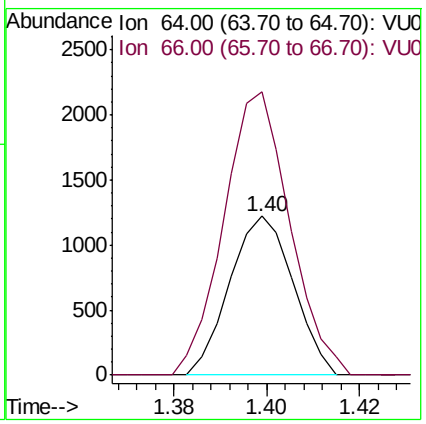


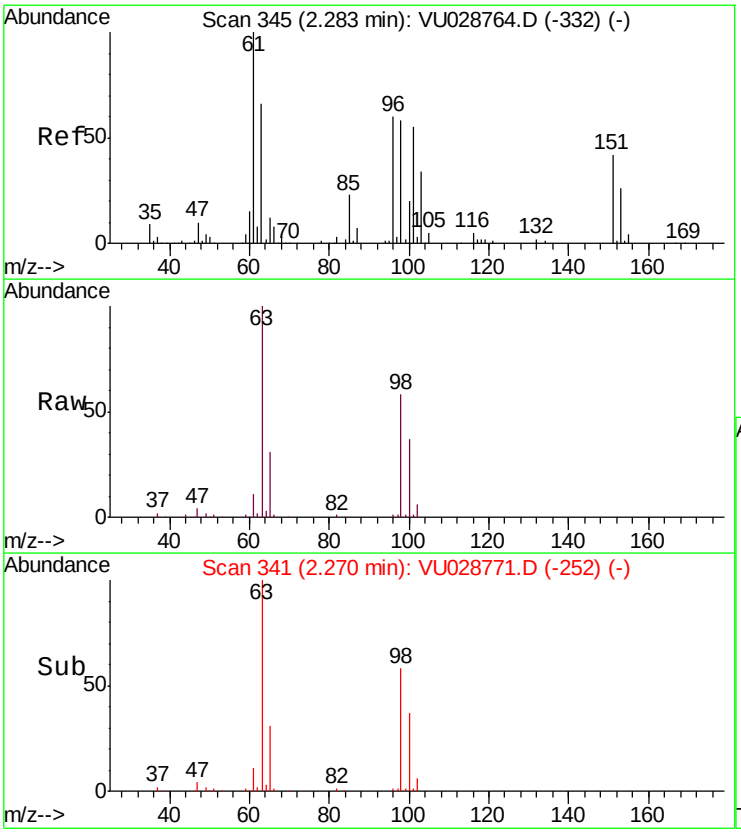

#8
Chloroethane
Concen: 0.909 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

**Instrument :** MSVOA_U
**ClientSampleId :** F9H18

Tgt Ion: 64 Resp: 1163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 178.1 | 22.4 | 41.6# |

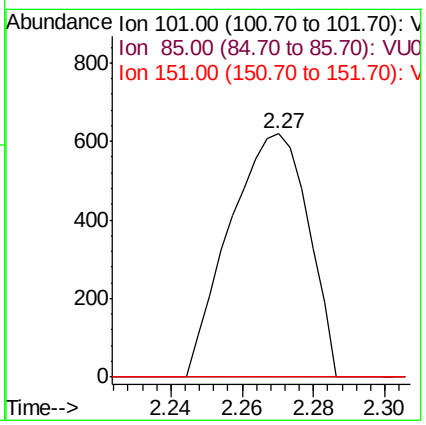


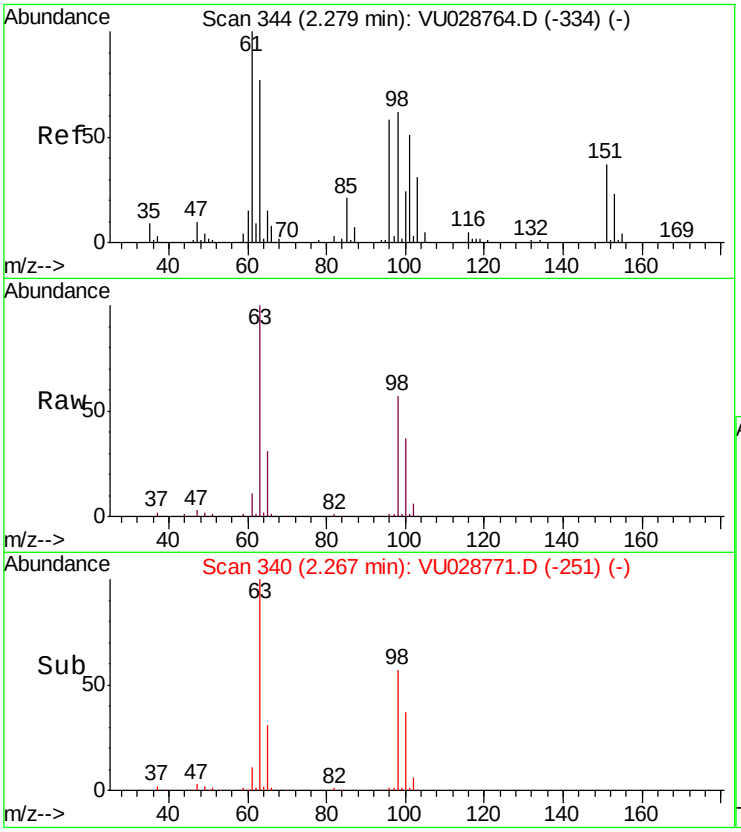




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.673 ug/L
RT: 2.27 min Scan# 341
Delta R.T. -0.01 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

Tgt Ion:101 Resp: 943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.8 | 55.2# |
| 151 | 0.0 | 55.8 | 83.8# |



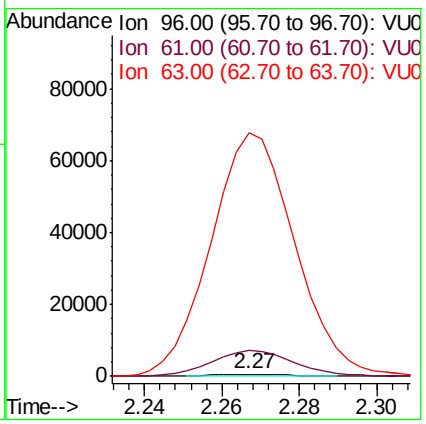


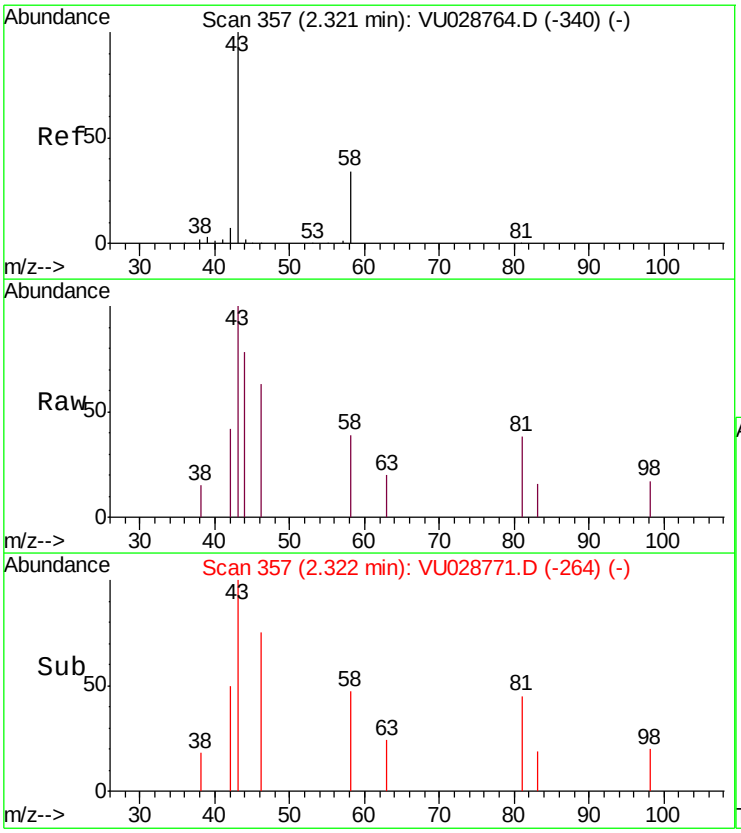

#12
1,1-Dichloroethene
Concen: 0.613 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.01 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

**Instrument :** MSVOA_U
**ClientSampleId :** F9H18

Tgt Ion: 96 Resp: 814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1194.7 | 143.2 | 266.0# |
| 63 | 11234.5 | 130.1 | 241.7# |

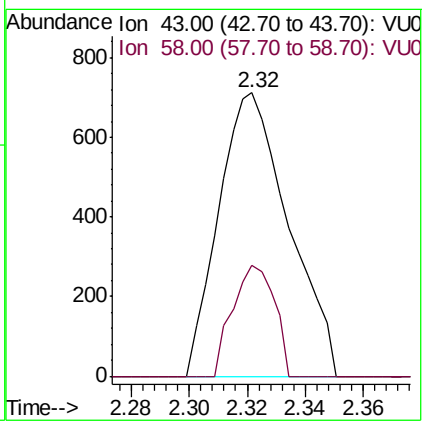


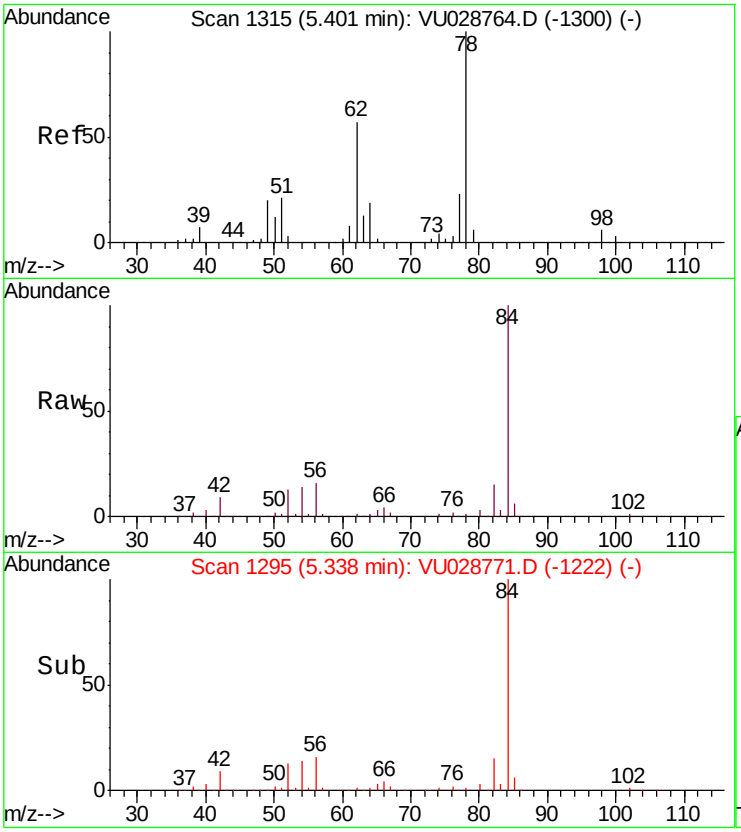




#13
Acetone
Concen: 0.703 ug/L
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

Tgt Ion: 43 Resp: 1188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.4 | 0.0 | 62.0 |



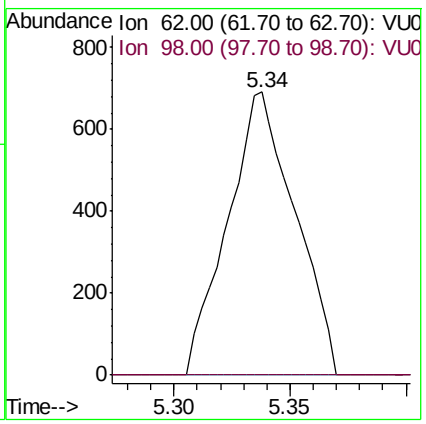


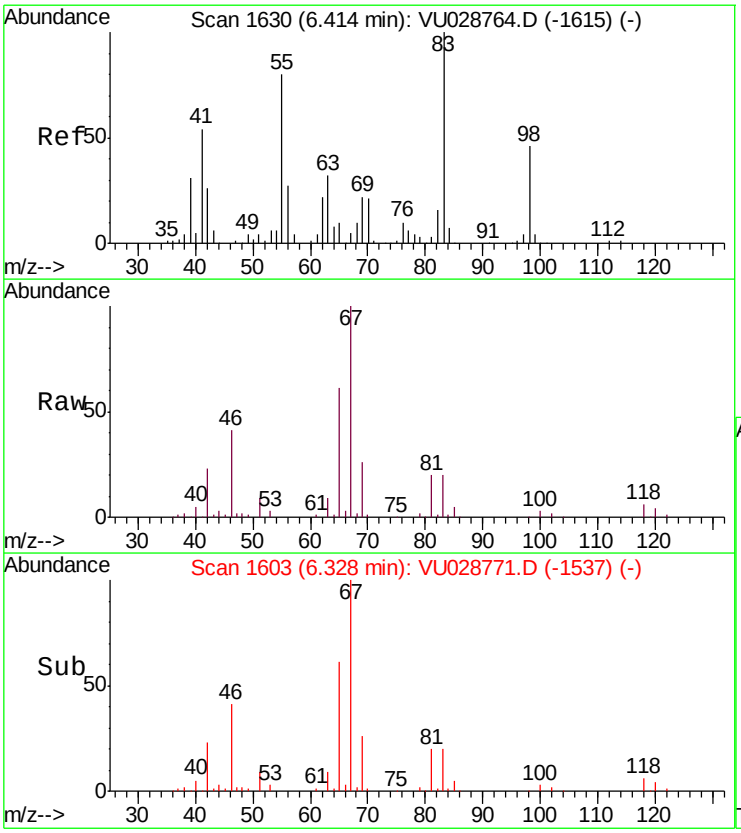

#27
1,2-Dichloroethane
Concen: 0.562 ug/L
RT: 5.34 min Scan# 1295
Delta R.T. -0.06 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9H18

Tgt Ion: 62 Resp: 1395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.7 | 10.1# |

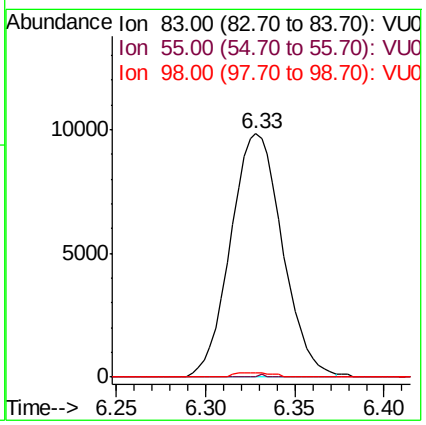


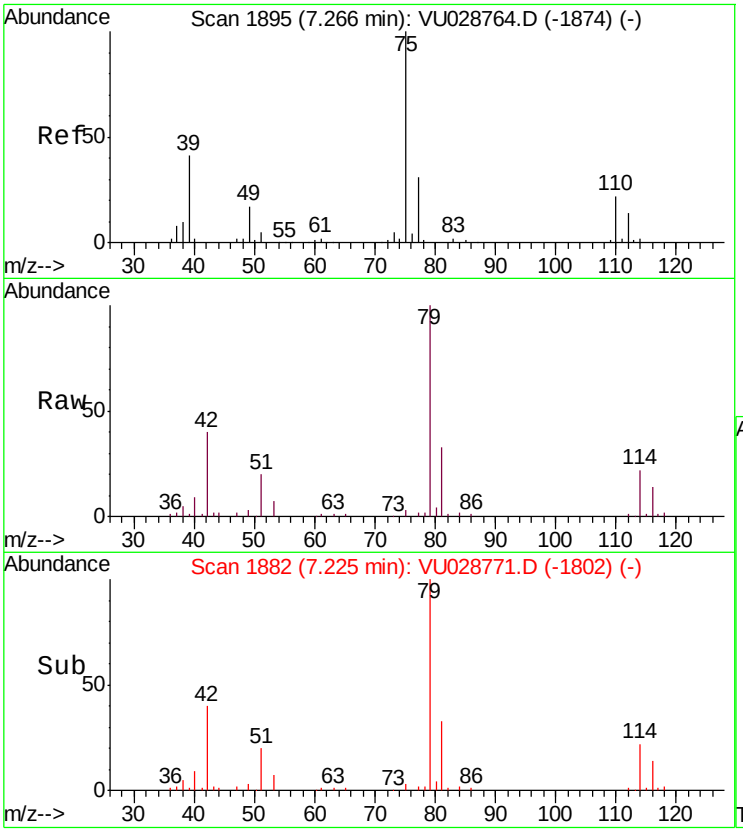




#35
Methylcyclohexane
Concen: 7.184 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

Tgt Ion: 83 Resp: 19947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 70.1 | 105.1# |
| 98 | 1.3 | 34.4 | 51.6# |



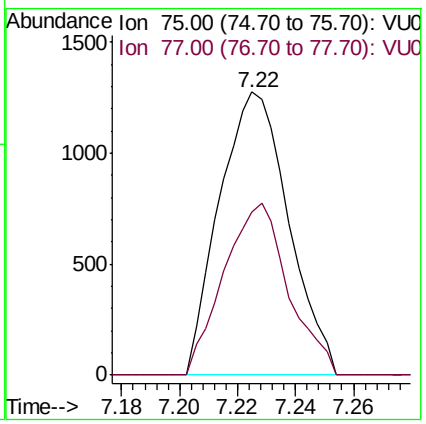


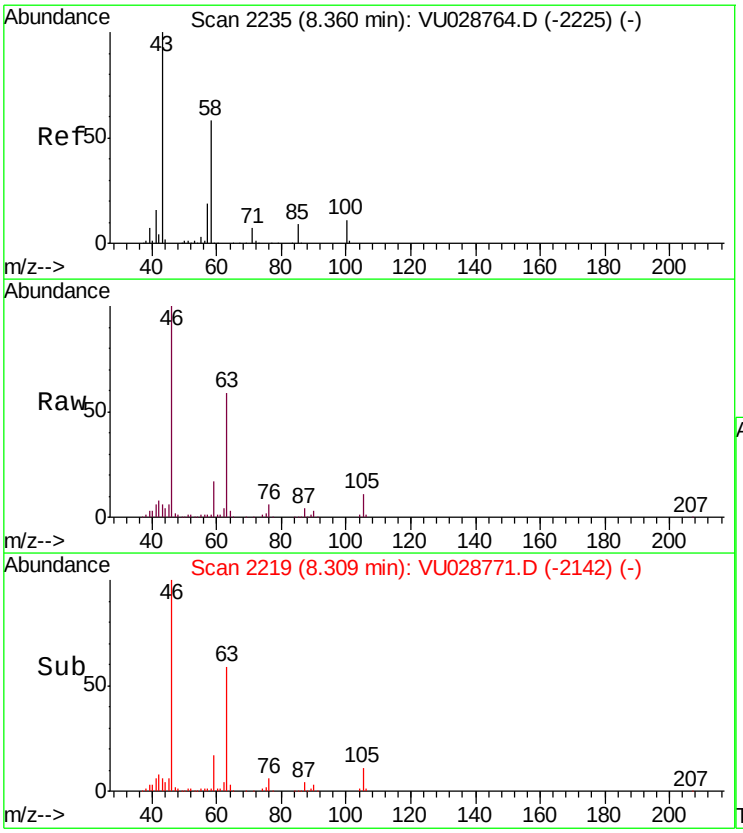

#39
cis-1,3-Dichloropropene
Concen: 0.733 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9H18

Tgt Ion: 75 Resp: 2110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 57.6 | 21.8 | 40.6# |

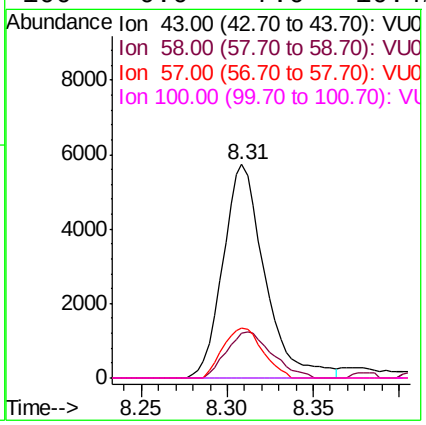


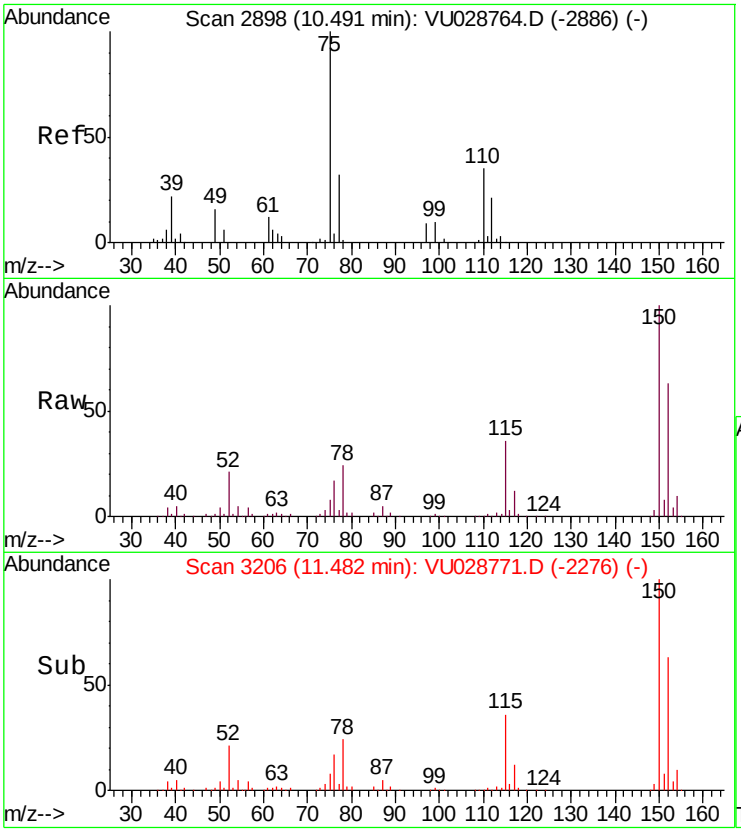




#48
2-Hexanone
Concen: 3.735 ug/L
RT: 8.31 min Scan# 2219
Delta R.T. -0.05 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

Tgt Ion: 43 Resp: 9755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.2 | 41.6 | 62.4# |
| 57 | 22.2 | 13.8 | 20.6# |
| 100 | 0.0 | 7.0 | 10.4# |






#59
1,2,3-Trichloropropane
Concen: 4.383 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028771.D
Acq: 18 Dec 2018 15:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9H18

Tgt Ion: 75 Resp: 10037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.5 | 25.4 | 38.2 |