Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031319\

Quantitation Report (Not Reviewed)

Data File : VU029984.D
Acq On : 11 Mar 2019 22:38
Operator : JC/SP
Sample : K1734-18RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF2L2

Quant Time: Mar 12 07:10:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 513639 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 486193 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 232823 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 174724 | 51.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 102.86% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 142267 | 51.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 103.74% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 238749 | 38.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 77.86% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 256567 | 100.79 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 100.79% | | | |
| 24) Chloroform-d | 4.65 | 84 | 299278 | 49.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.22% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 180929 | 51.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 102.78% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 657682 | 52.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 105.10% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 202335 | 52.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 105.64% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 598565 | 51.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.16% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 91163 | 49.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.26% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 216907 | 101.21 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 101.21% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 293489 | 49.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 99.72% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 239884 | 53.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 106.38% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 25743 | 6.559 | ug/L | 88 |
| 8) Chloroethane | 1.40 | 64 | 10990 | 4.272 | ug/L | 88 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 3192 | 0.946 | ug/L # | 44 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 20438 | 6.348 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 3780 | 1.270 | ug/L | 100 |
| 17) trans-1,2-Dichloroethene | 2.99 | 96 | 3752 | 1.070 | ug/L | 96 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 113762 | 28.503 | ug/L | 96 |
| 34) Trichloroethene | 6.18 | 95 | 488896 | 134.079 | ug/L | 99 |
| 35) Methylcyclohexane | 6.33 | 83 | 47003 | 7.949 | ug/L # | 21 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 3631 | 0.698 | ug/L | 88 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 23951 | 5.025 | ug/L | 92 |

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

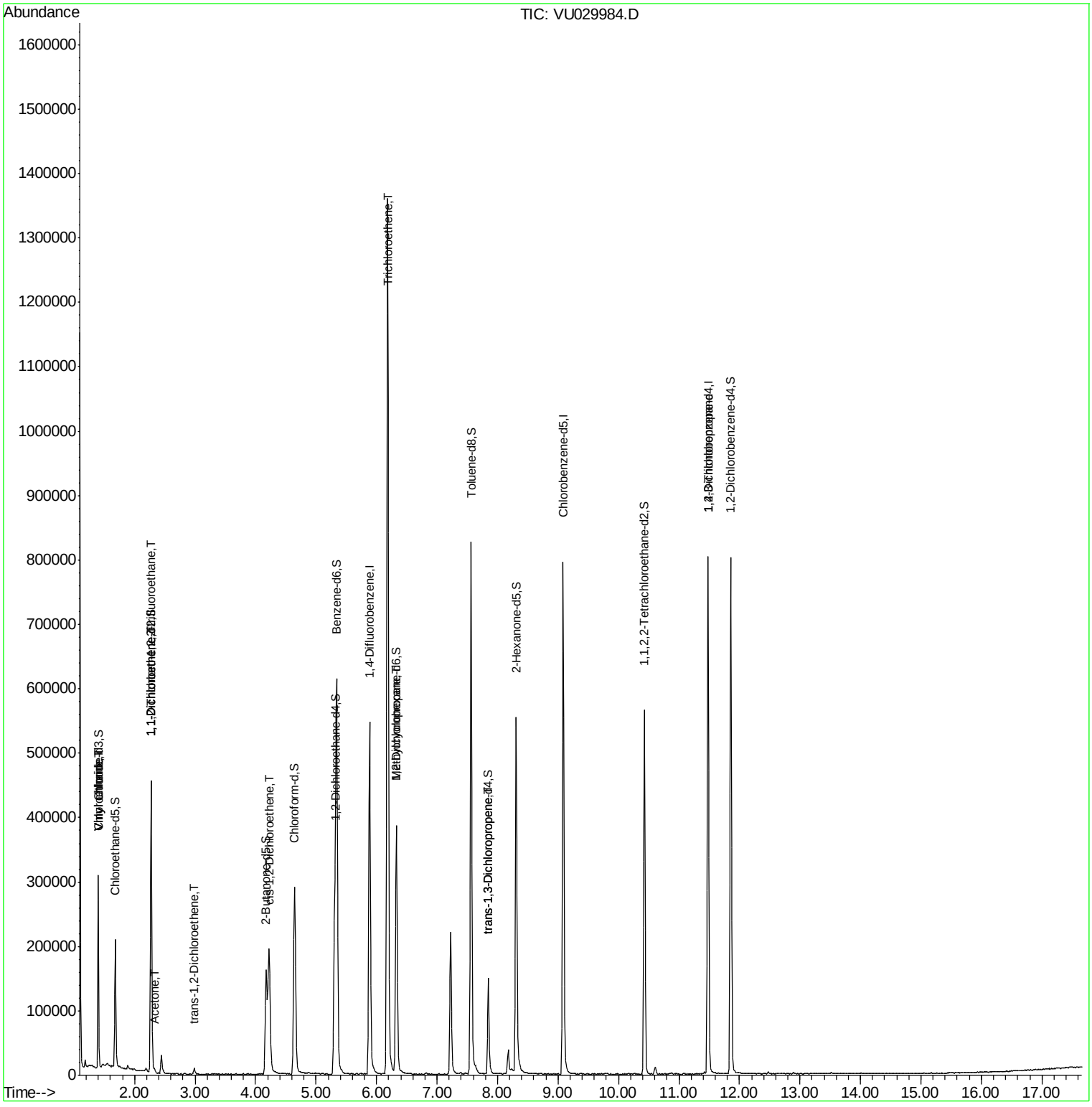
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031319\

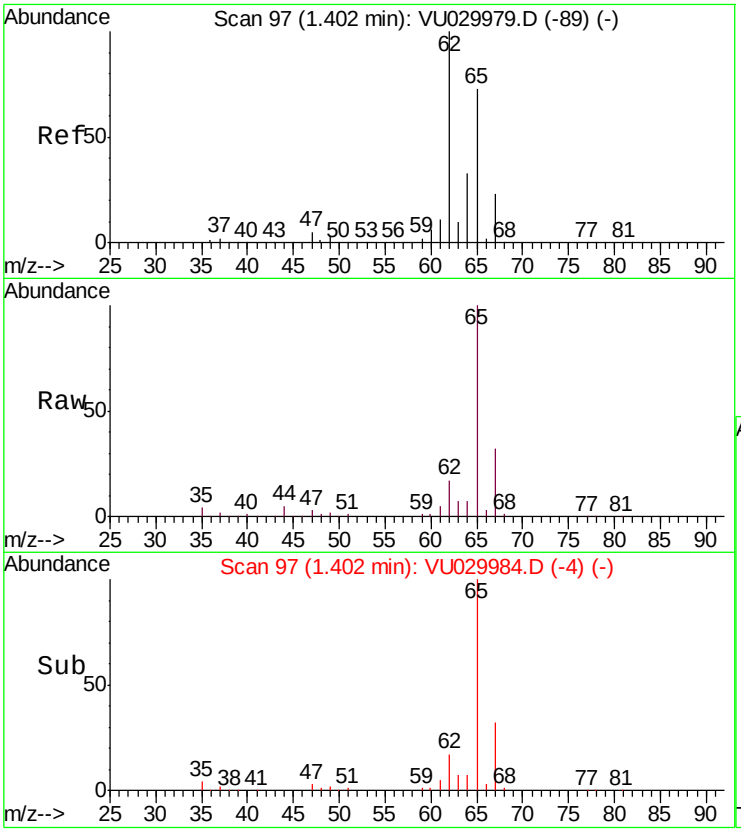
Quantitation Report (Not Reviewed)

Data File : VU029984.D
Acq On : 11 Mar 2019 22:38
Operator : JC/SP
Sample : K1734-18RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF2L2

Quant Time: Mar 12 07:10:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration



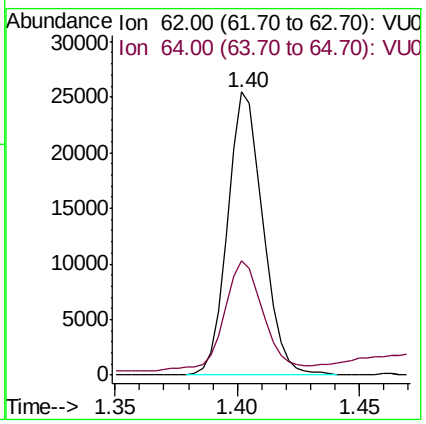


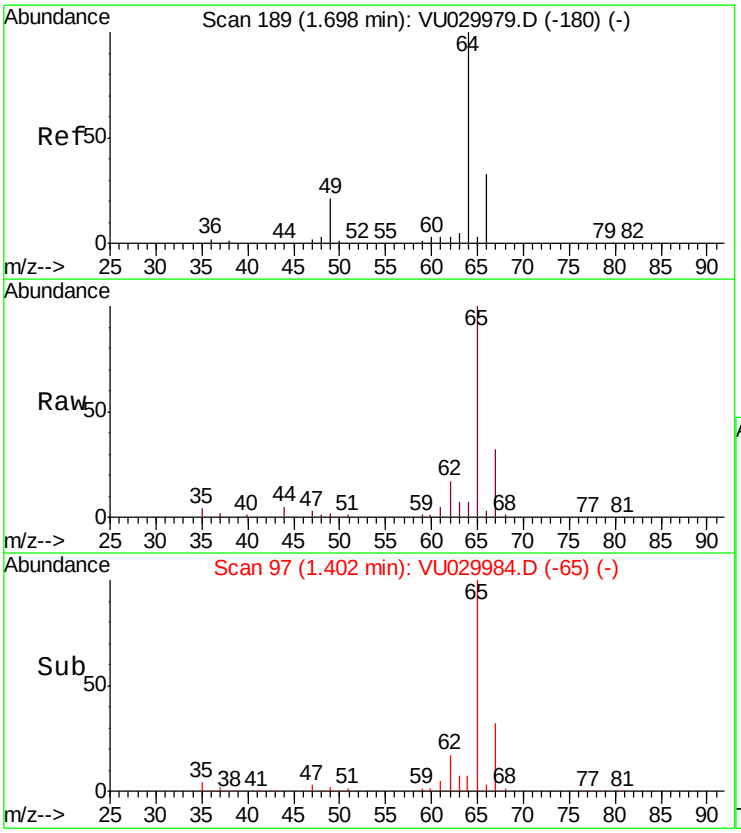

#5
Vinyl chloride
Concen: 6.559 ug/L
RT: 1.40 min Scan# 97
Delta R.T. -0.00 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2L2

Tgt Ion: 62 Resp: 25743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 40.6 | 23.6 | 43.8 |

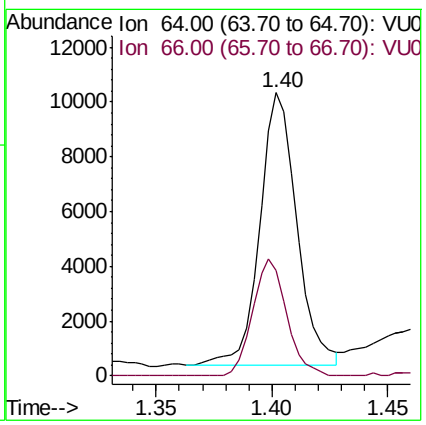


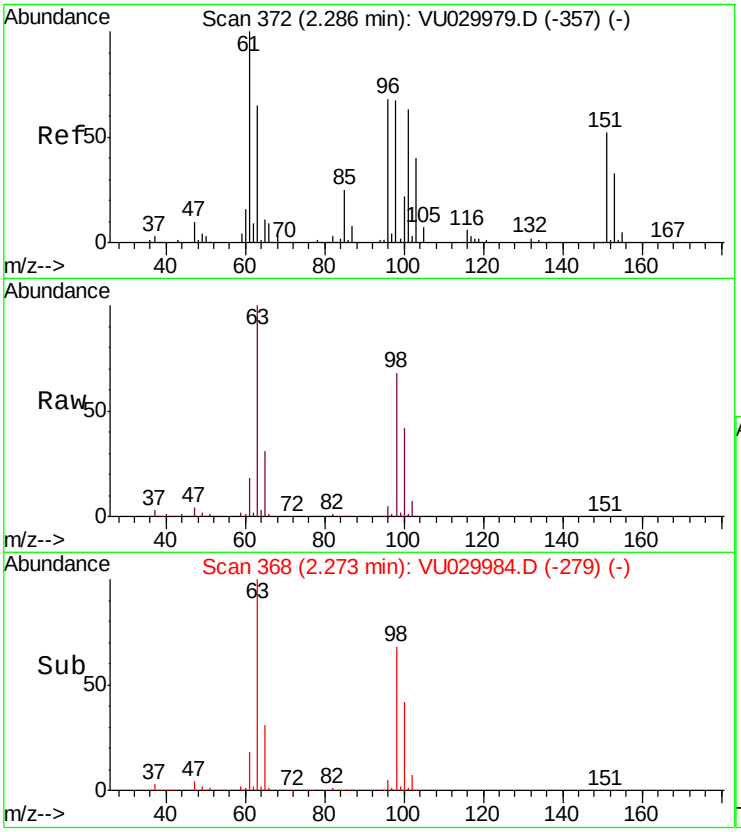




#8
Chloroethane
Concen: 4.272 ug/L
RT: 1.40 min Scan# 97
Delta R.T. -0.30 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

Tgt Ion: 64 Resp: 10990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.2 | 21.3 | 39.6 |



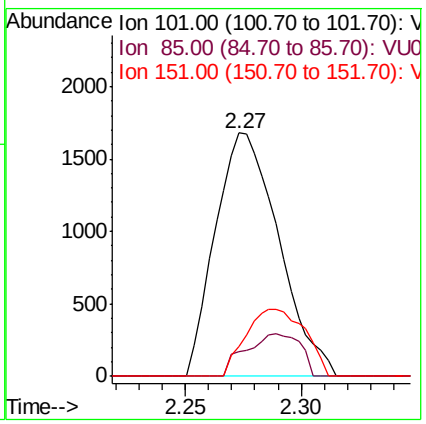


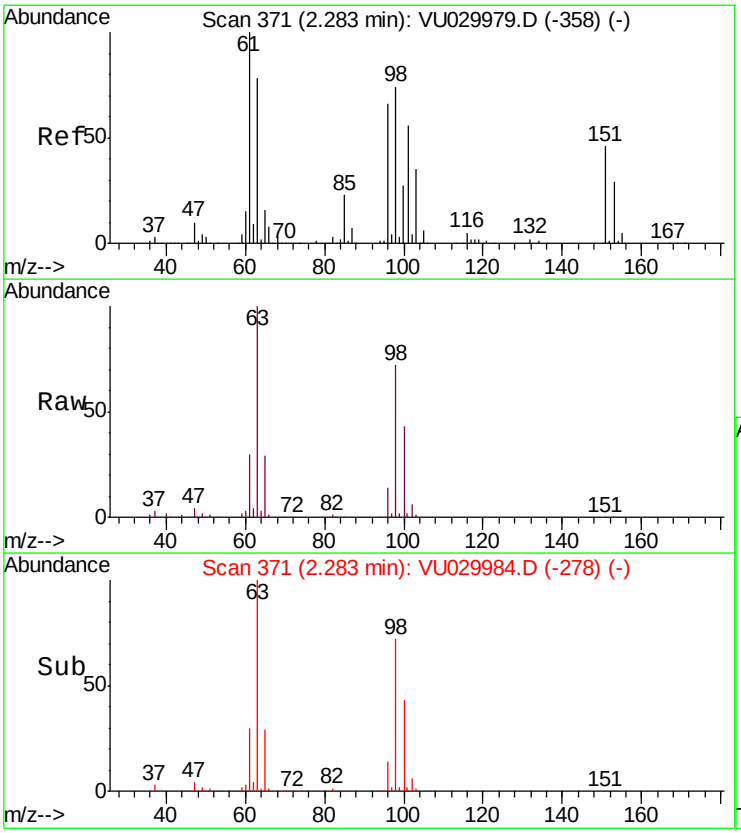

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.946 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2L2

Tgt Ion:101 Resp: 3192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 15.0 | 33.0 | 49.4# |
| 151 | 25.7 | 66.1 | 99.1# |

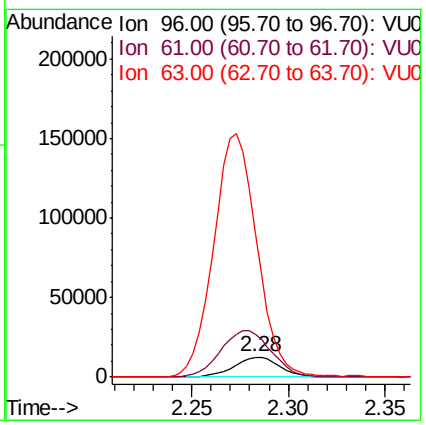


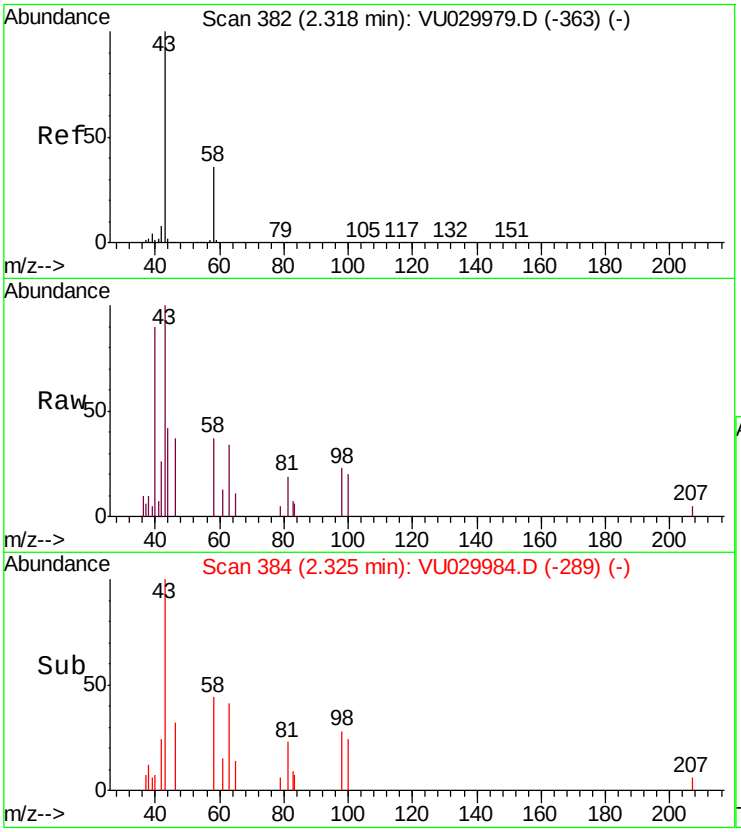




#12
1,1-Dichloroethene
Concen: 6.348 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

Tgt Ion: 96 Resp: 20438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 215.4 | 110.4 | 205.0# |
| 63 | 715.7 | 86.5 | 160.7# |



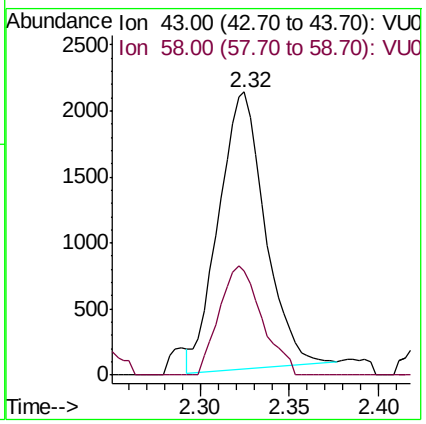


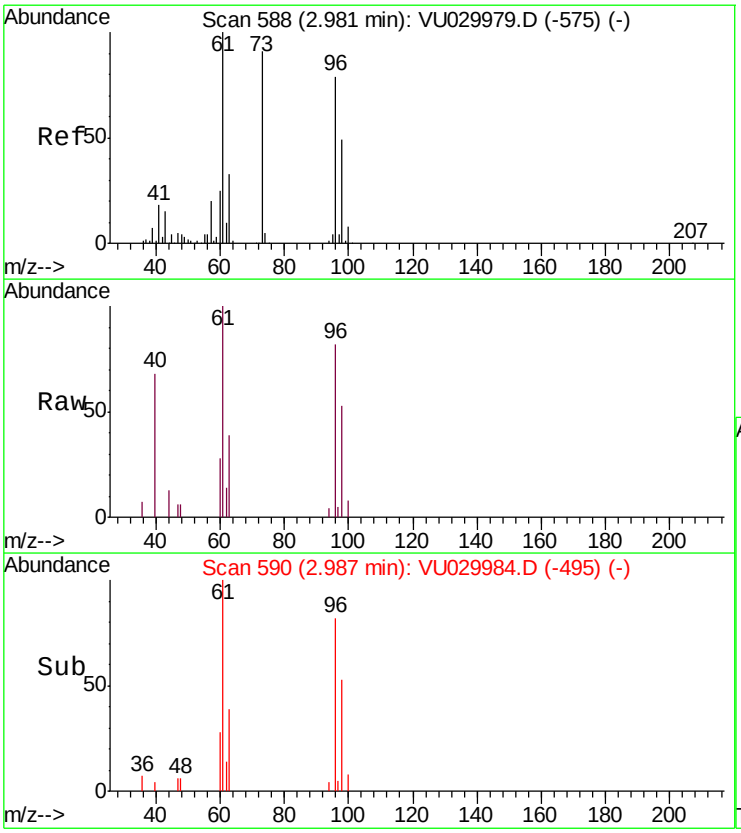

#13
Acetone
Concen: 1.270 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2L2

Tgt Ion: 43 Resp: 3780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.3 | 0.0 | 73.0 |

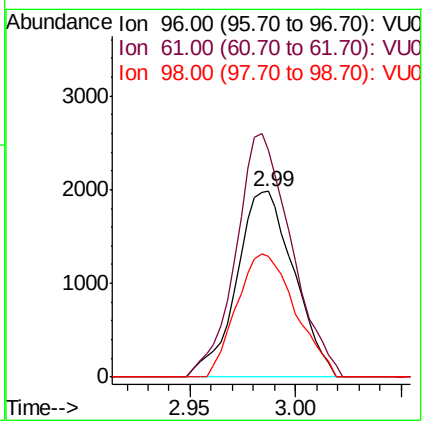


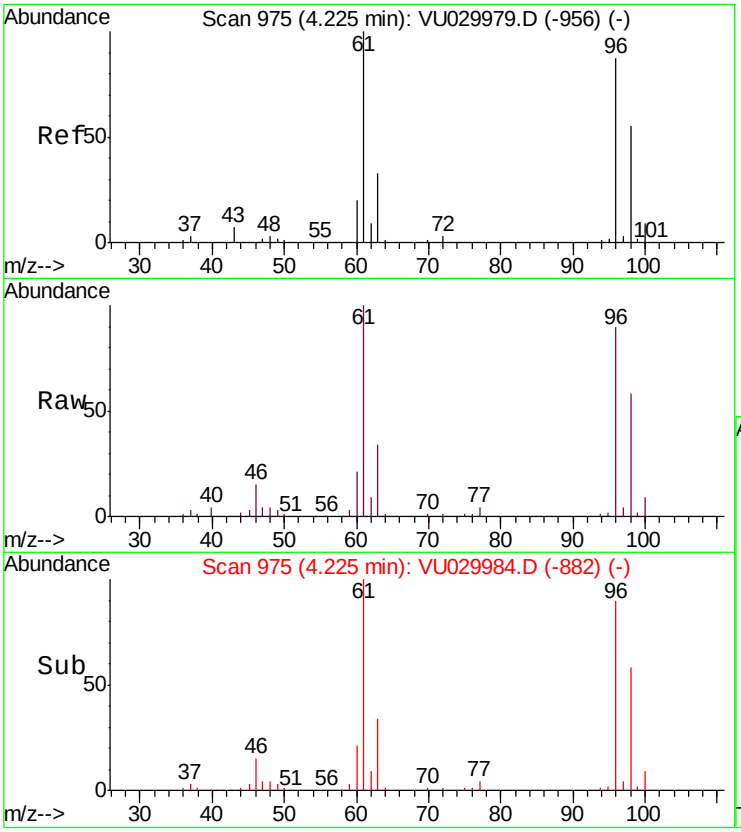




#17
trans-1,2-Dichloroethene
Concen: 1.070 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

Tgt Ion: 96 Resp: 3752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.5 | 89.4 | 166.0 |
| 98 | 65.2 | 43.3 | 80.5 |



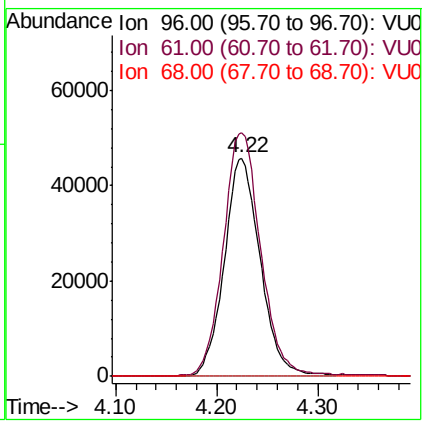


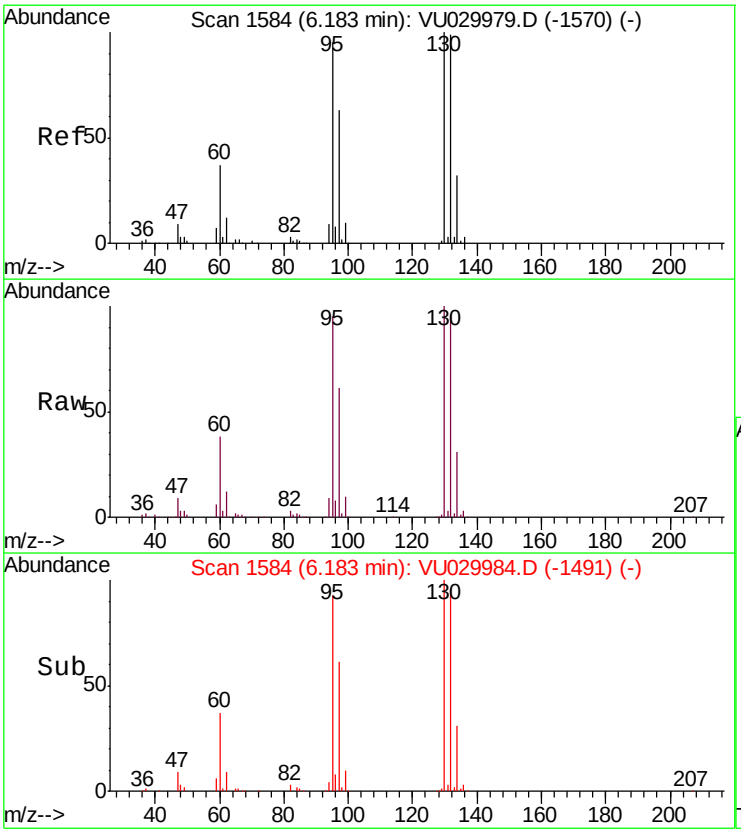

#20
cis-1,2-Dichloroethene
Concen: 28.503 ug/L
RT: 4.22 min Scan# 975
Delta R.T. -0.00 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2L2

Tgt Ion: 96 Resp: 113762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 111.5 | 80.8 | 150.2 |
| 68 | 0.0 | 0.0 | 0.0 |

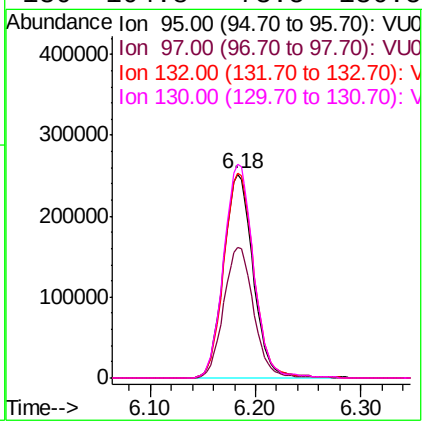


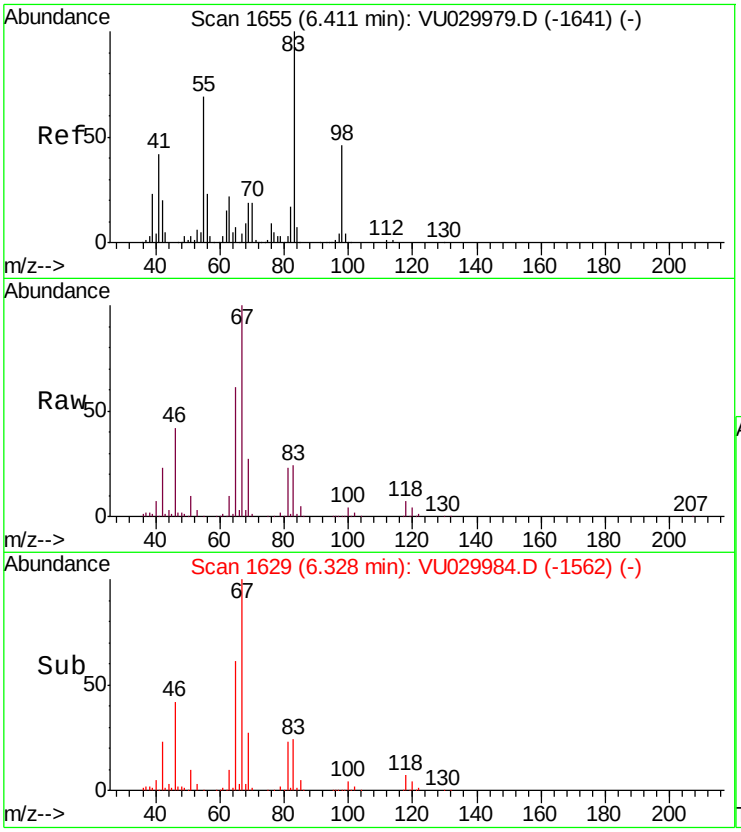




#34
Trichloroethene
Concen: 134.079 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

Tgt Ion: 95 Resp: 488896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 45.5 | 84.5 |
| 132 | 100.5 | 71.5 | 132.7 |
| 130 | 104.8 | 73.5 | 136.5 |



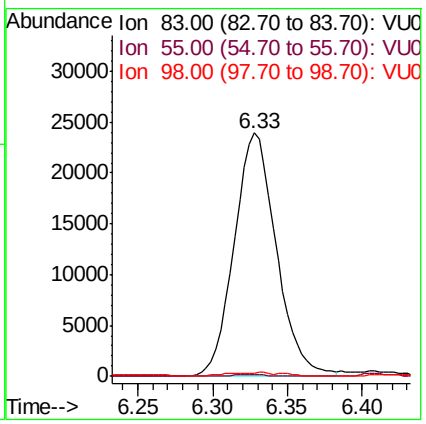


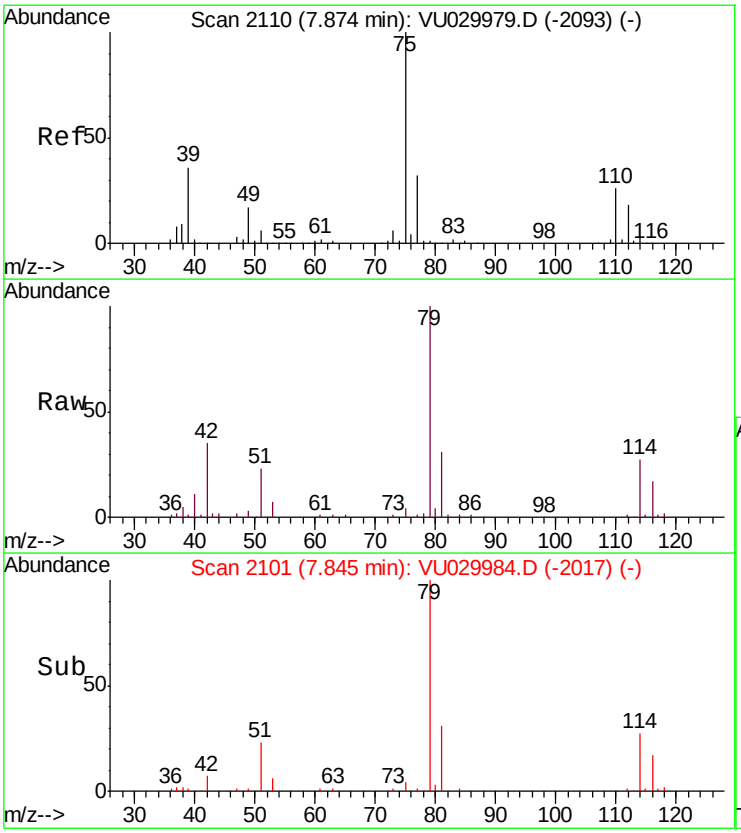

#35
Methylcyclohexane
Concen: 7.949 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :** MSVOA_U
**ClientSampleId :** BF2L2

Tgt Ion: 83 Resp: 47003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.2 | 56.6 | 84.8# |
| 98 | 0.7 | 37.8 | 56.6# |

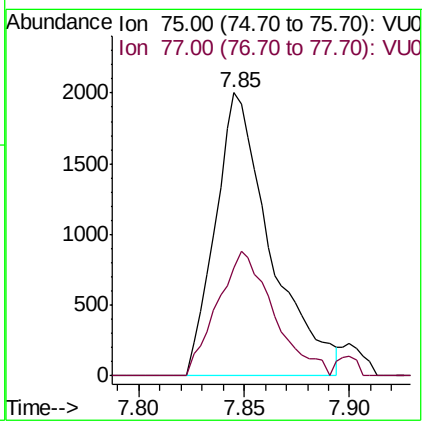


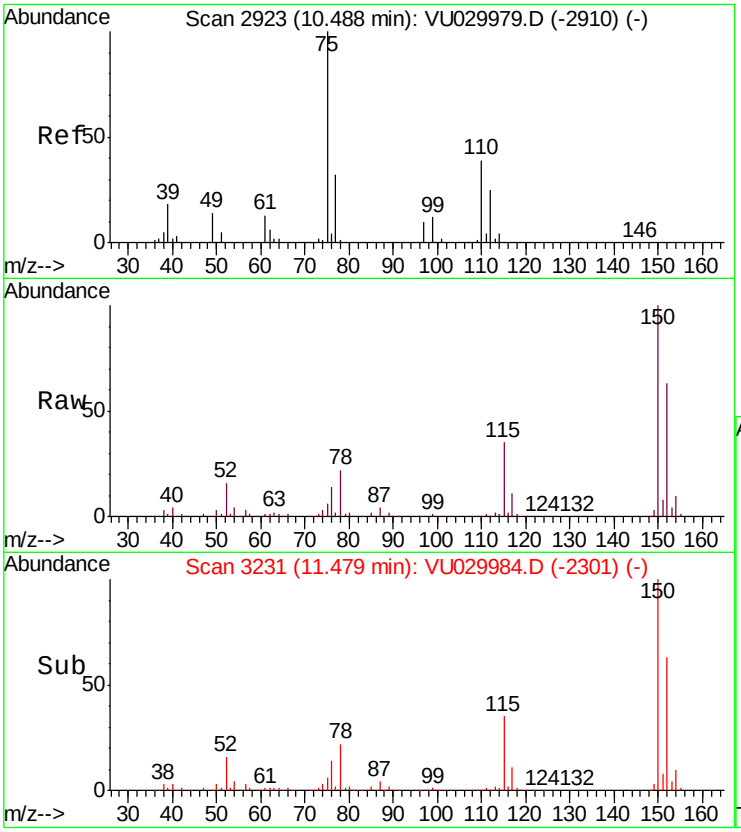




#44
trans-1,3-Dichloropropene
Concen: 0.698 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

Tgt Ion: 75 Resp: 3631

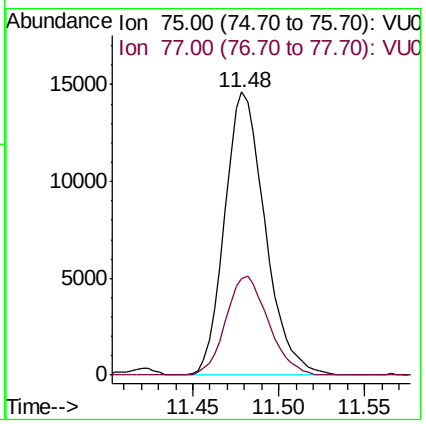
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.2 | 21.9 | 40.7 |






#59
1,2,3-Trichloropropane
Concen: 5.025 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029984.D
Acq: 11 Mar 2019 22:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF2L2

Tgt Ion: 75 Resp: 23951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.5 | 25.8 | 38.8 |