Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070820\
Data File : VU039351.D
Acq On : 08 Jul 2020 16:44
Operator : SY/MD
Sample : L3231-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4289

Quant Time: Jul 09 04:39:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.27 | 114 | 106956 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 100549 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 47802 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 32829 | 5.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 106.00% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 30712 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 96.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 49699 | 4.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 81.60% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 164505 | 58.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 116.00% | | | |
| 24) Chloroform-d | 5.08 | 84 | 71938 | 5.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 109.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 45636 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 110.20% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 142516 | 5.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 117.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.71 | 67 | 48346 | 5.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 113.60% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 125609 | 5.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 119.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 19329 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 103.00% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 121504 | 54.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 109.08% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76 | 84 | 45216 | 5.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 49389 | 5.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 115.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.61 | 62 | 27435 | 3.146 | ug/L # | 44 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 4559029 | 227.462 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 10626 | 1.509 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 16567 | 1.202 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 3639 | 0.461 | ug/L | 94 |
| 33) Benzene | 5.79 | 78 | 13717 | 0.456 | ug/L | 100 |

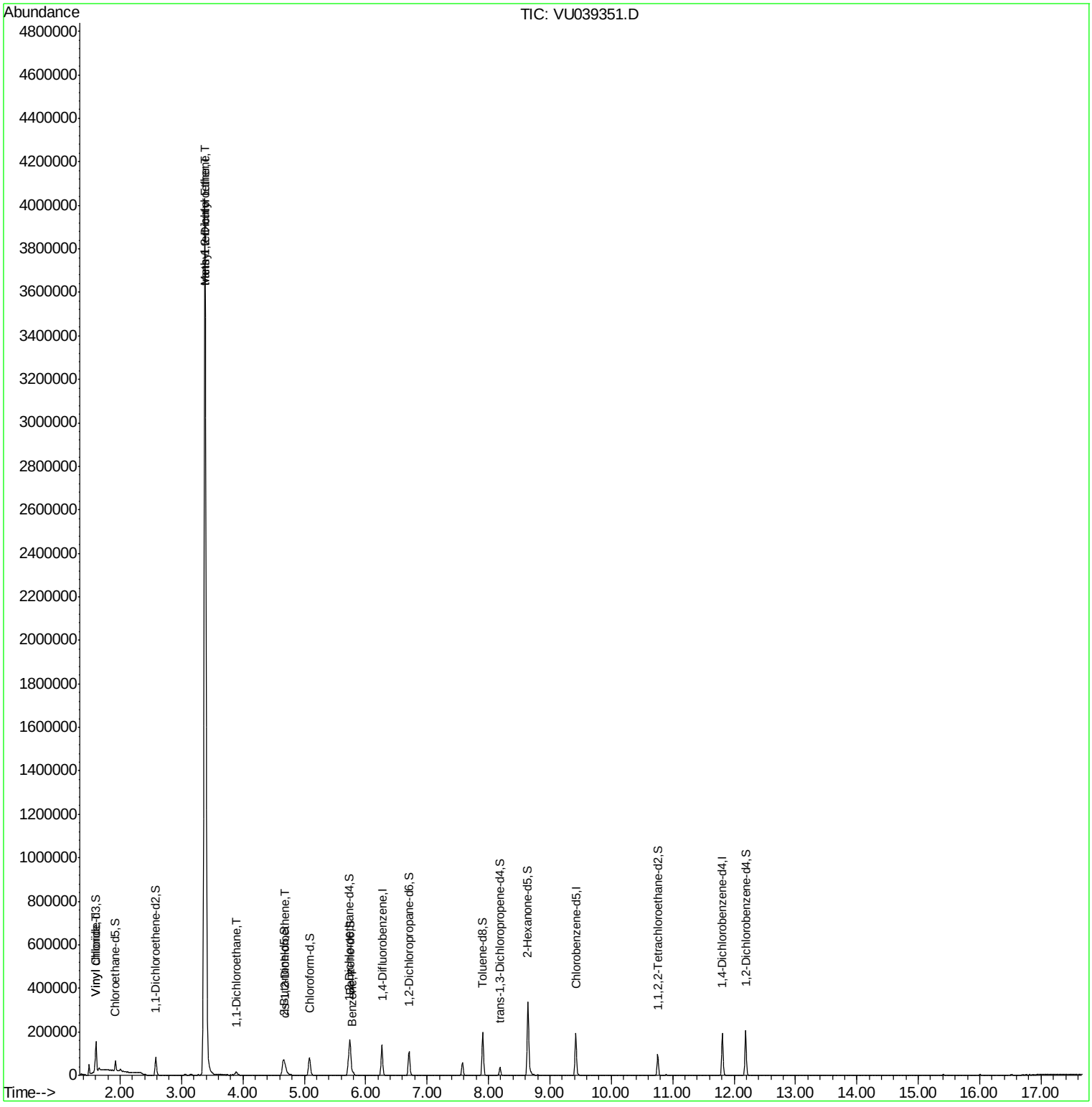
(#) = qualifier out of range (m) = manual integration (+) = signals summed

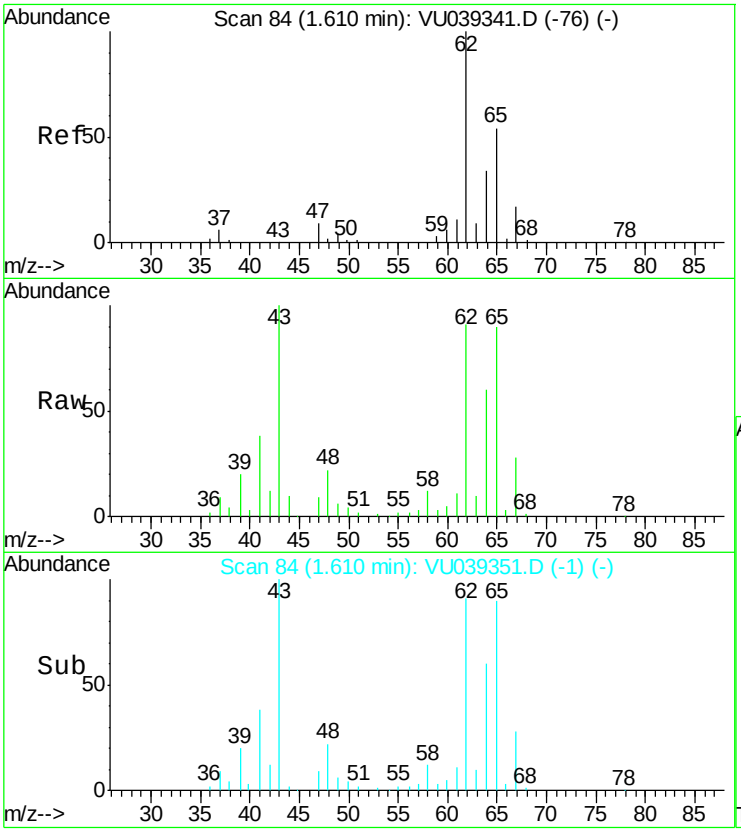
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
Data File : VU039351.D
Acq On : 08 Jul 2020 16:44
Operator : SY/MD
Sample : L3231-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4289

Quant Time: Jul 09 04:39:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration



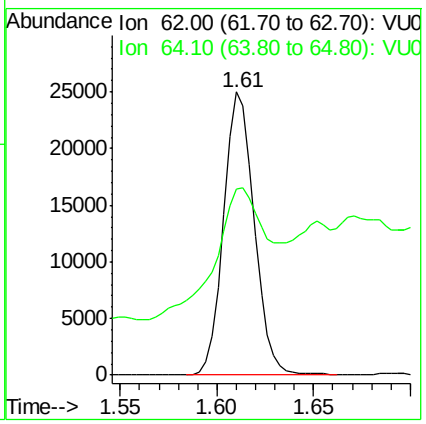


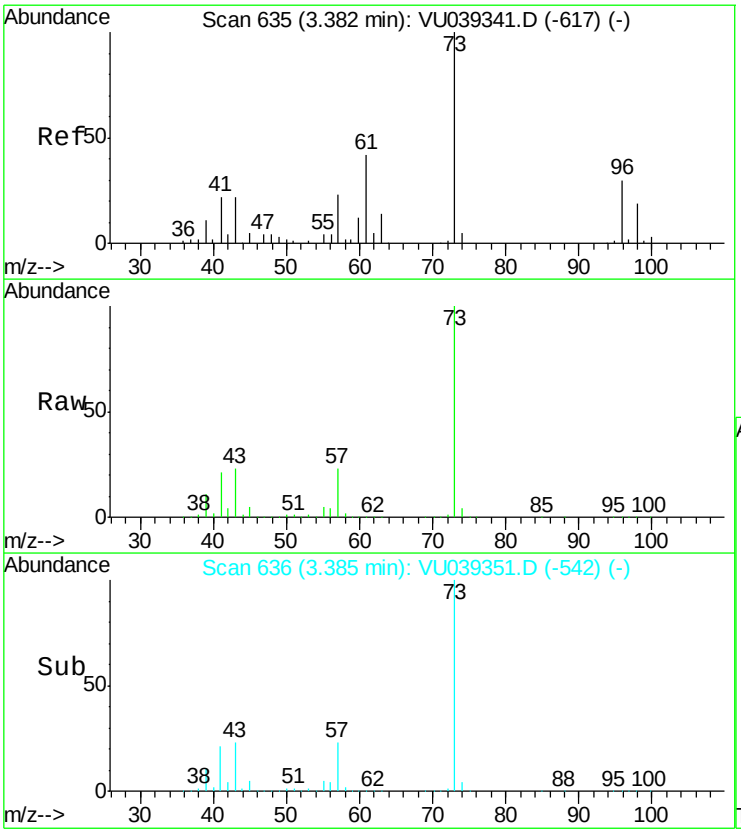

#5
Vinyl chloride
Concen: 3.146 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4289

Tgt Ion: 62 Resp: 27435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 65.8 | 23.7 | 44.1# |

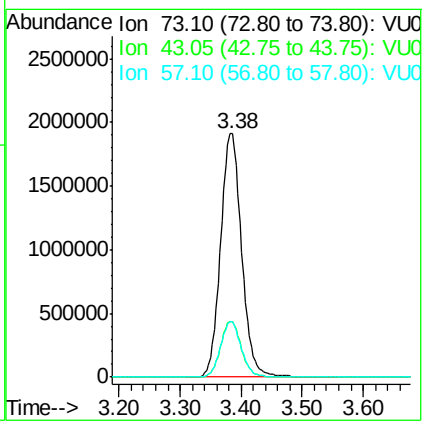


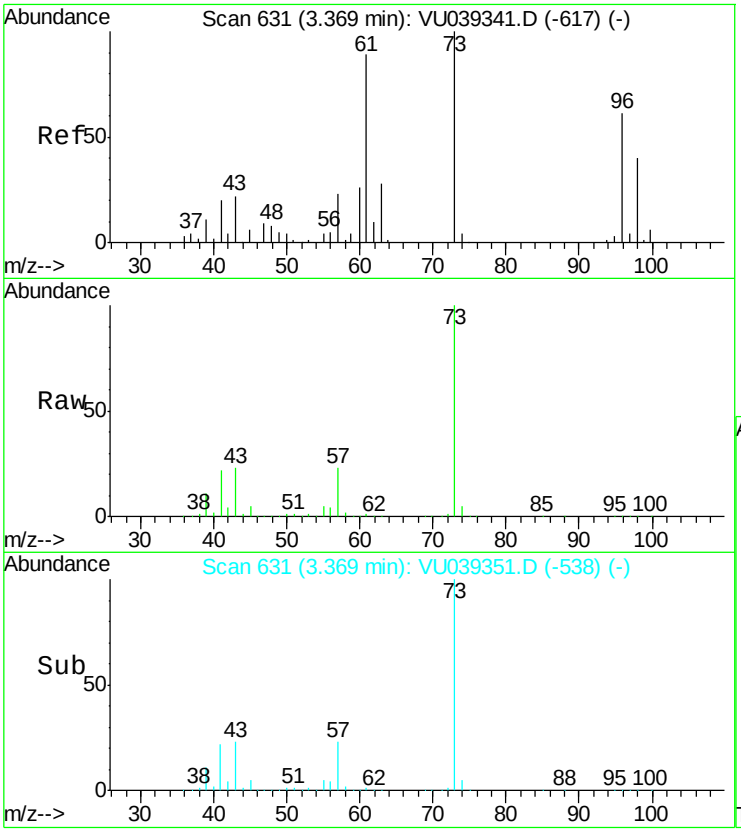




#17
Methyl tert-butyl Ether
Concen: 227.462 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

Tgt Ion: 73 Resp: 4559029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.6 | 18.6 | 28.0 |
| 57 | 22.5 | 17.9 | 26.9 |



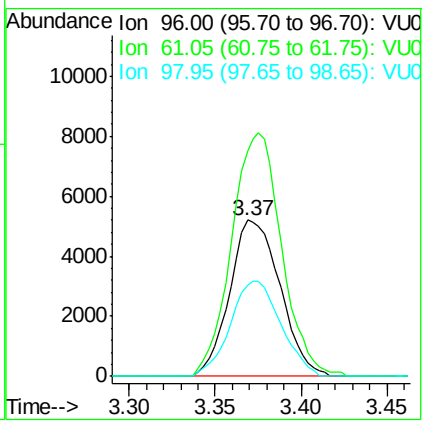


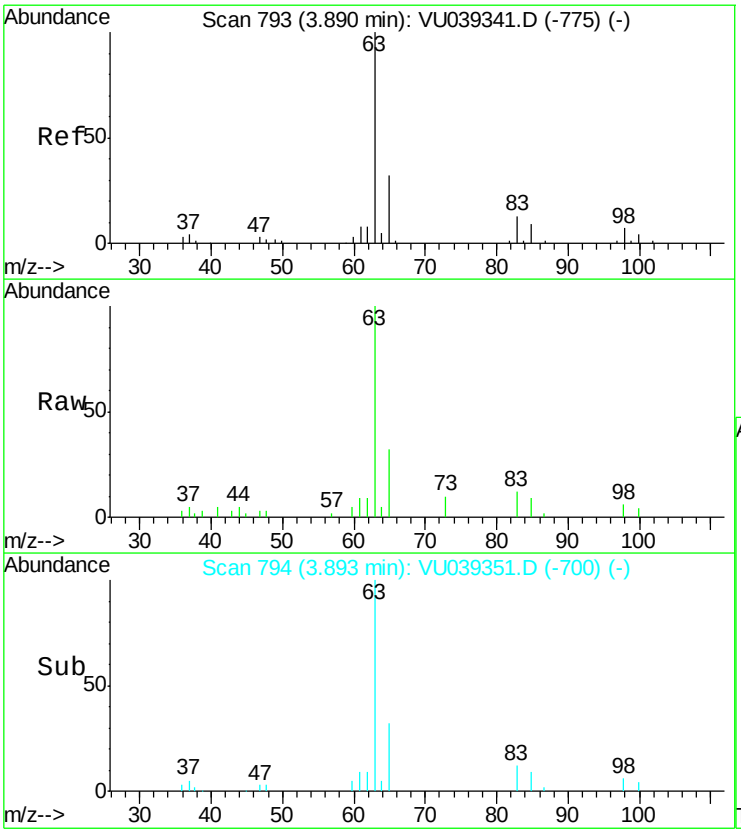

#18
trans-1,2-Dichloroethene
Concen: 1.509 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4289

Tgt Ion: 96 Resp: 10626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.6 | 102.1 | 189.5 |
| 98 | 58.8 | 42.5 | 78.9 |

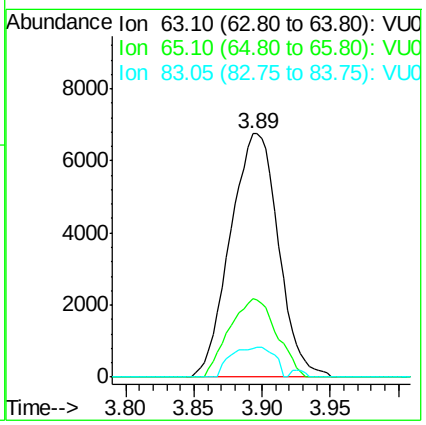


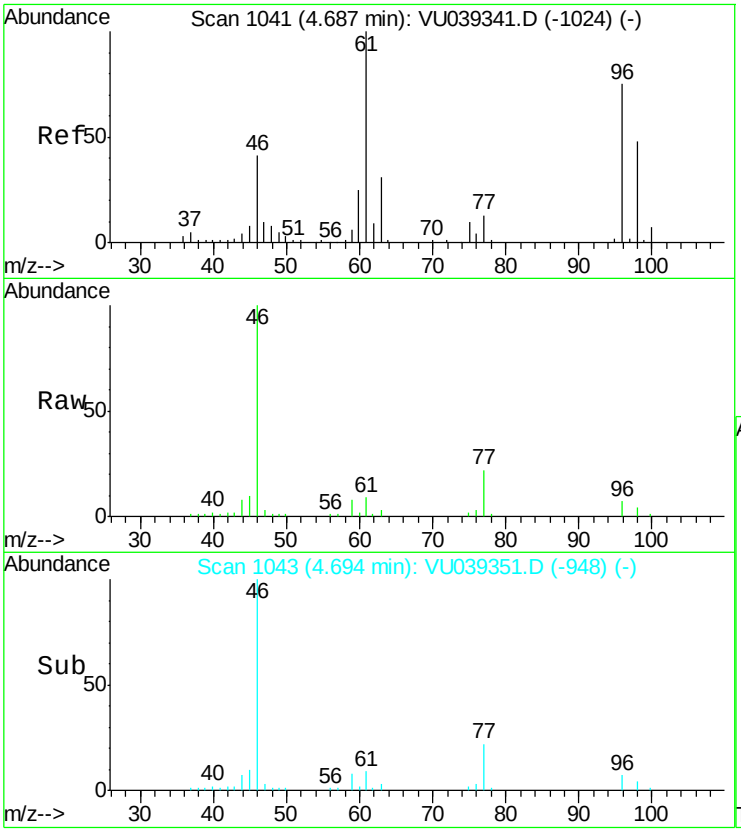




#19
1,1-Dichloroethane
Concen: 1.202 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

Tgt Ion: 63 Resp: 16567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.0 | 23.0 | 42.6 |
| 83 | 11.7 | 9.6 | 17.8 |



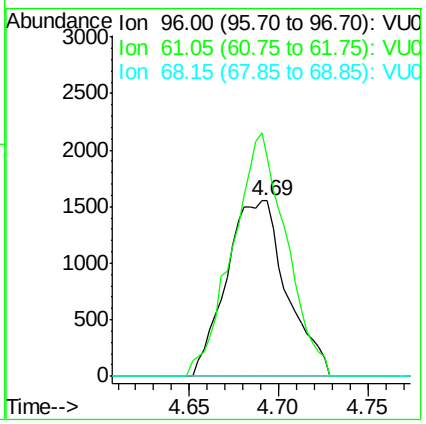


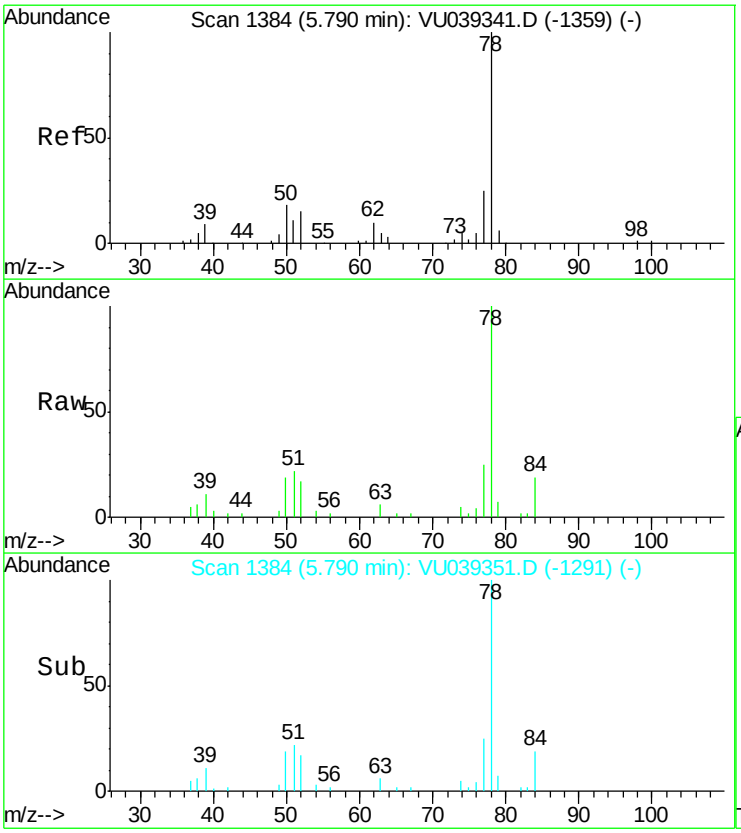

#22
cis-1,2-Dichloroethene
Concen: 0.461 ug/L
RT: 4.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4289

Tgt Ion: 96 Resp: 3639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 125.2 | 92.8 | 172.4 |
| 68 | 0.0 | 0.0 | 0.0 |




#33
Benzene
Concen: 0.456 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

Tgt Ion: 78 Resp: 13717