Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121719\
Data File : VU036260.D
Acq On : 17 Dec 2019 15:43
Operator : JC/MD
Sample : K6281-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFQT3

Quant Time: Dec 18 03:44:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 18 01:23:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 234124 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 264234 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 107343 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 79531 | 3.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 77.20% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 80328 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 87205 | 2.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 58.60%# | | | |
| 20) 2-Butanone-d5 | 4.69 | 46 | 208836 | 54.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 108.14% | | | |
| 24) Chloroform-d | 5.11 | 84 | 152839 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.75 | 65 | 84532 | 4.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.20% | | | |
| 32) Benzene-d6 | 5.77 | 84 | 276836 | 4.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 83.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 90834 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.80% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 226574 | 3.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 72.60% | | | |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 37080 | 4.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 86.20% | | | |
| 46) 2-Hexanone-d5 | 8.68 | 63 | 145186 | 44.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 88.20% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84 | 91142 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 97313 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 94.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.62 | 62 | 25280 | 0.813 | ug/L | 91 |
| 13) Acetone | 2.68 | 43 | 12591 | 3.740 | ug/L | 92 |
| 16) Methylene chloride | 3.08 | 84 | 3415 | 0.134 | ug/L | 83 |
| 18) trans-1,2-Dichloroethene | 3.40 | 96 | 1818 | 0.100 | ug/L | 84 |
| 19) 1,1-Dichloroethane | 3.92 | 63 | 14583 | 0.434 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 26828 | 1.375 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.84 | 62 | 3010 | 0.140 | ug/L # | 94 |
| 33) Benzene | 5.82 | 78 | 34176 | 0.421 | ug/L | 100 |
| 34) Trichloroethene | 6.58 | 95 | 3946 | 0.188 | ug/L | 94 |
| 53) m,p-Xylene | 9.72 | 106 | 3307 | 0.098 | ug/L | 68 |

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

Quantitation Report (QT/LSC Reviewed)

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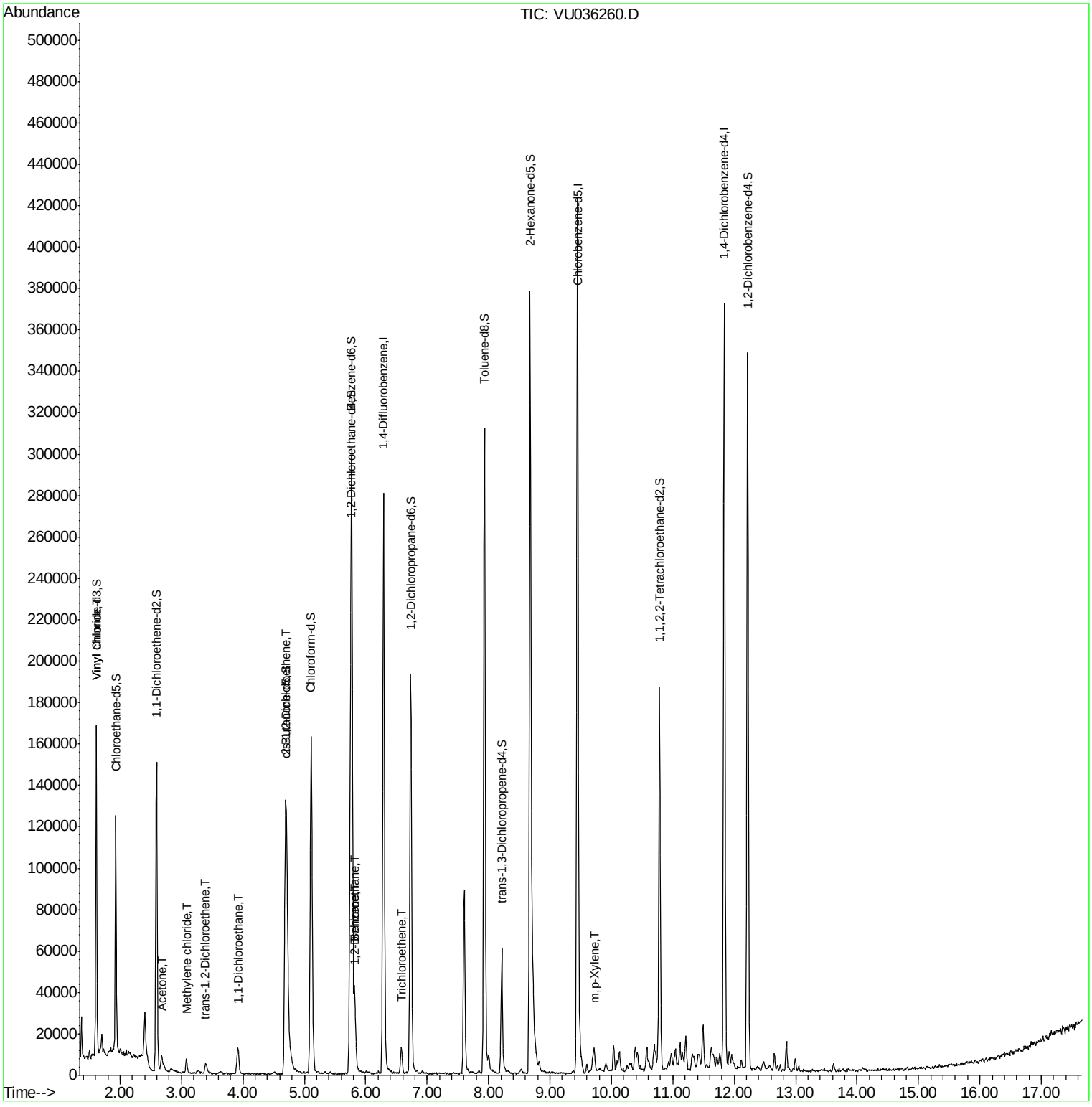
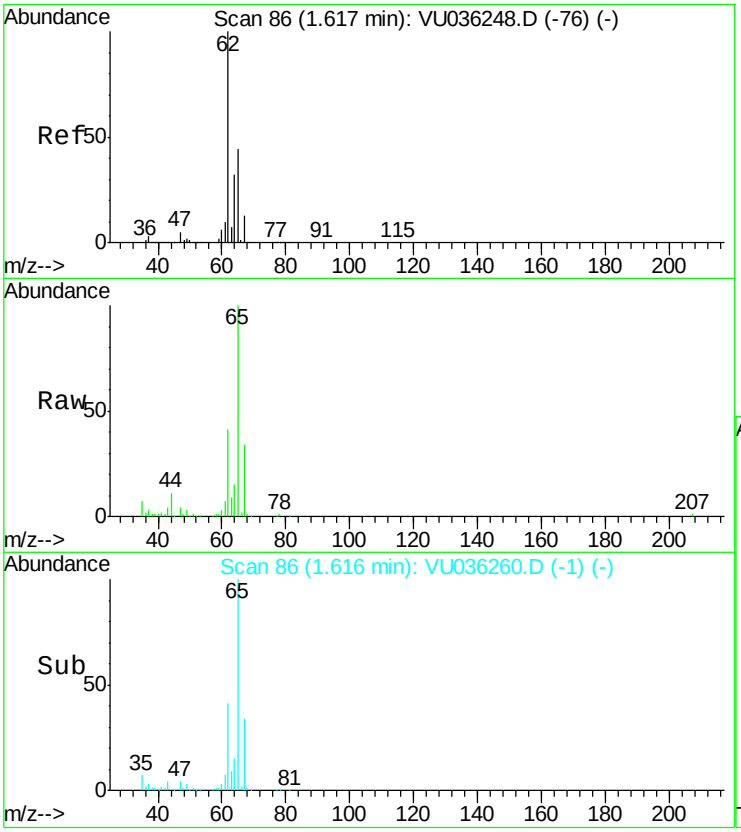
Acq On : 17 Dec 2019 15:43
Operator : JC/MD
Sample : K6281-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFQT3

Quant Time: Dec 18 03:44:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 18 01:23:38 2019
Response via : Initial Calibration



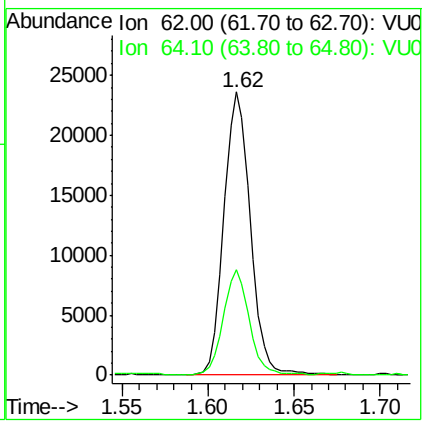


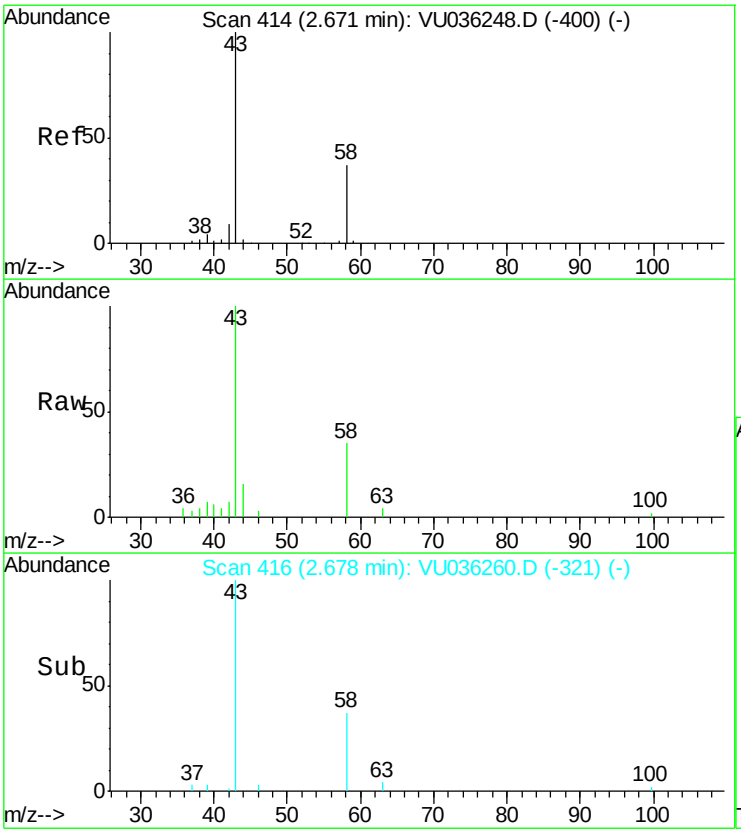

#5
Vinyl chloride
Concen: 0.813 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

**Instrument :** MSVOA_U
**ClientSampleId :** BFQT3

Tgt Ion: 62 Resp: 25280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.2 | 22.4 | 41.6 |

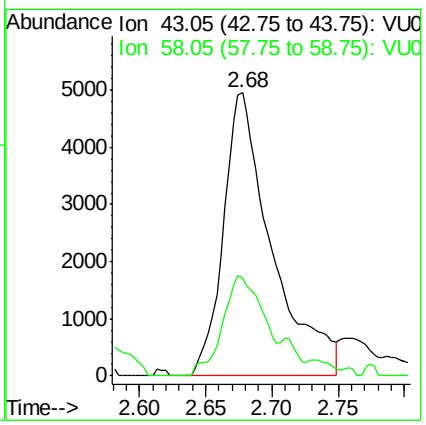


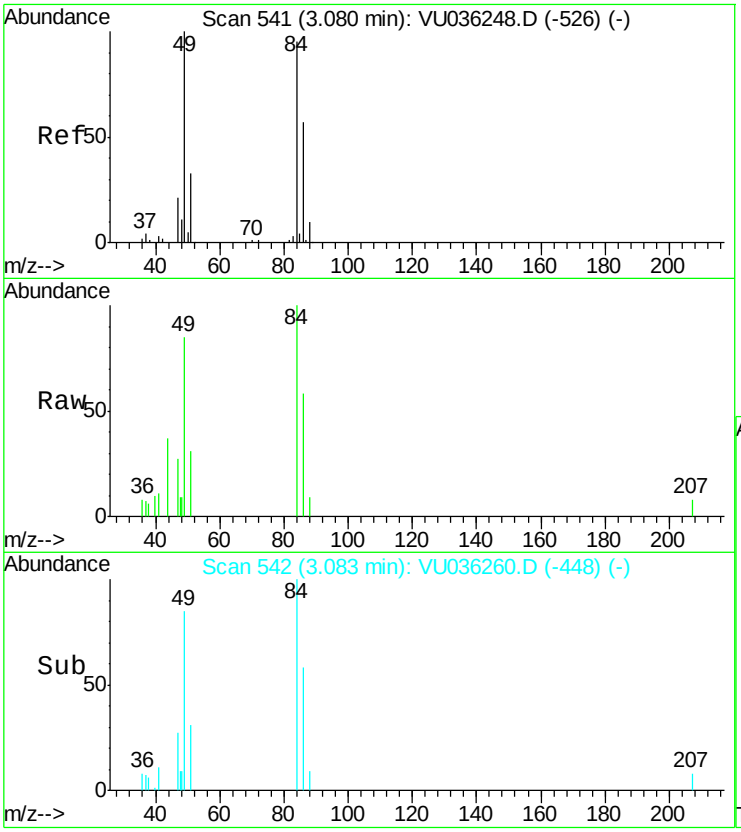




#13
Acetone
Concen: 3.740 ug/L
RT: 2.68 min Scan# 416
Delta R.T. 0.01 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 43 Resp: 12591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 0.0 | 67.6 |



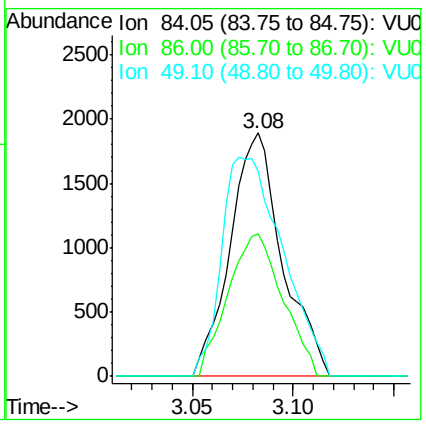


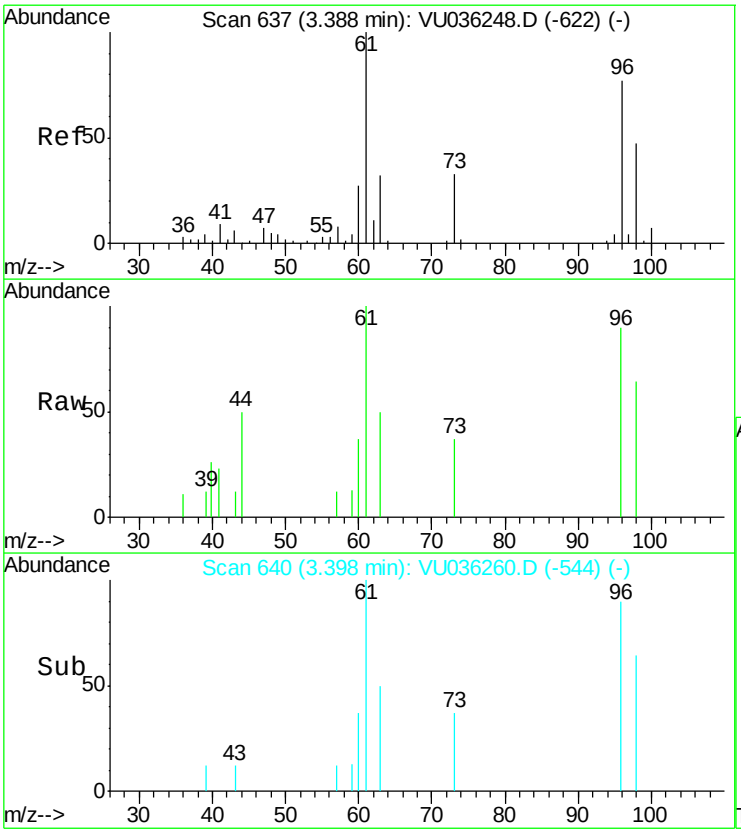

#16
Methylene chloride
Concen: 0.134 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

**Instrument :** MSVOA_U
**ClientSampleId :** BFQT3

Tgt Ion: 84 Resp: 3415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 58.4 | 43.0 | 79.8 |
| 49 | 84.5 | 77.3 | 143.5 |

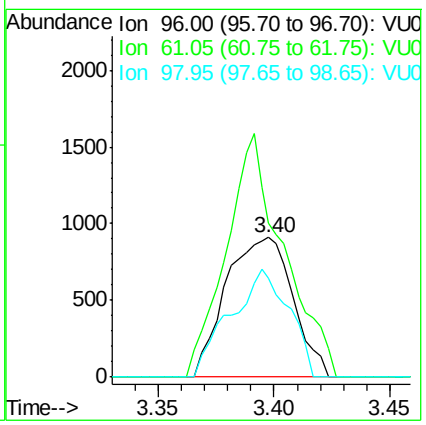


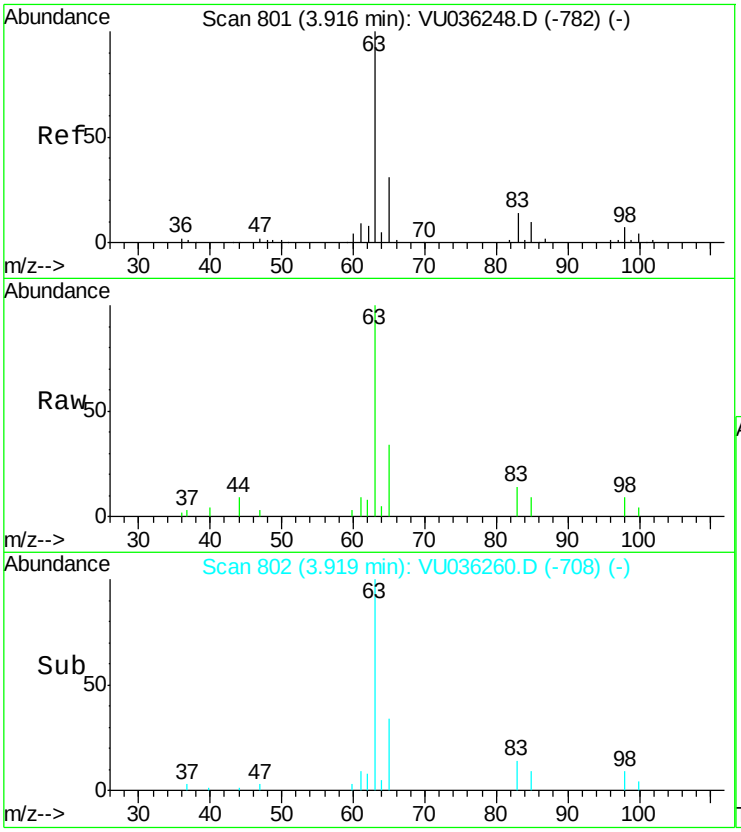




#18
trans-1,2-Dichloroethene
Concen: 0.100 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 96 Resp: 1818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 110.5 | 94.8 | 176.2 |
| 98 | 70.8 | 46.8 | 86.8 |



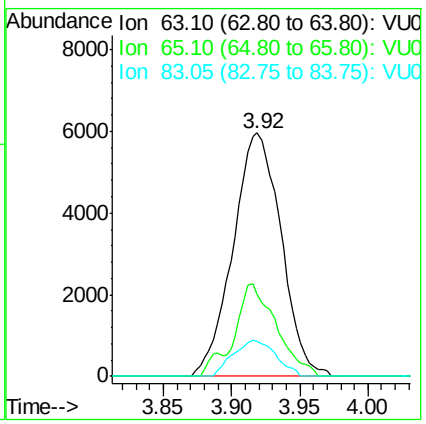


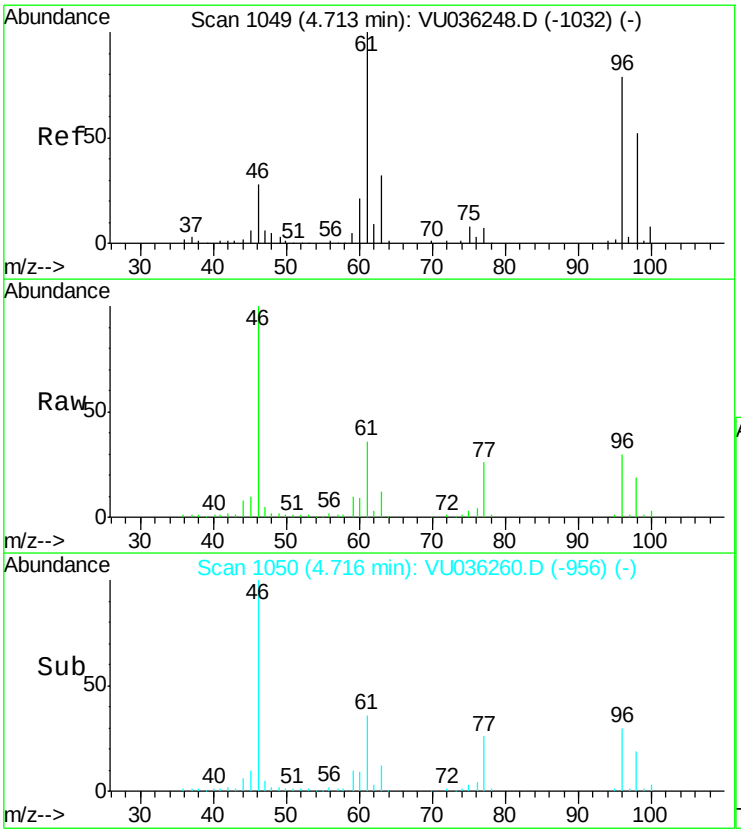

#19
1,1-Dichloroethane
Concen: 0.434 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

**Instrument :** MSVOA_U
**ClientSampleId :** BFQT3

Tgt Ion: 63 Resp: 14583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.0 | 22.6 | 42.0 |
| 83 | 14.5 | 9.7 | 18.1 |

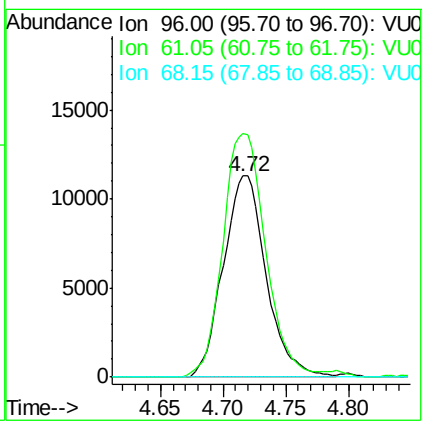


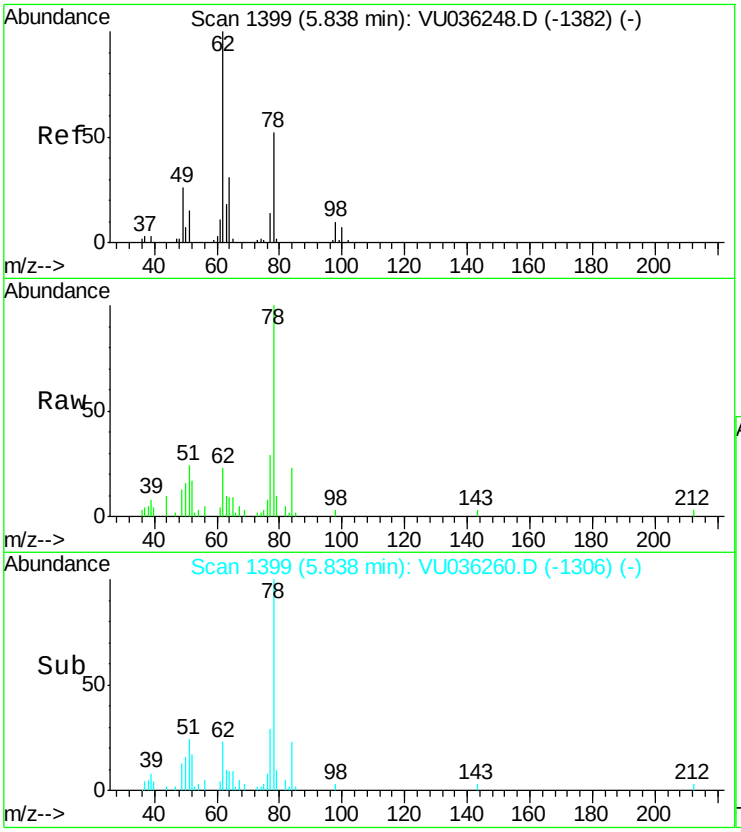




#22
cis-1,2-Dichloroethene
Concen: 1.375 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 96 Resp: 26828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 121.1 | 86.7 | 161.1 |
| 68 | 0.0 | 0.0 | 0.0 |



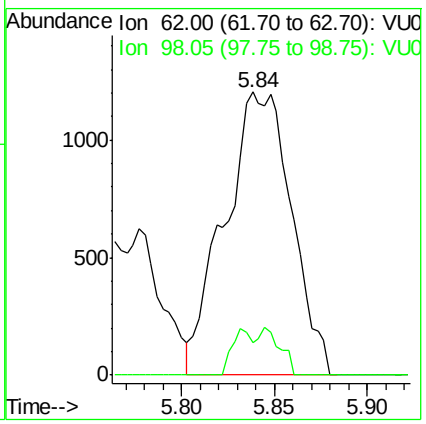


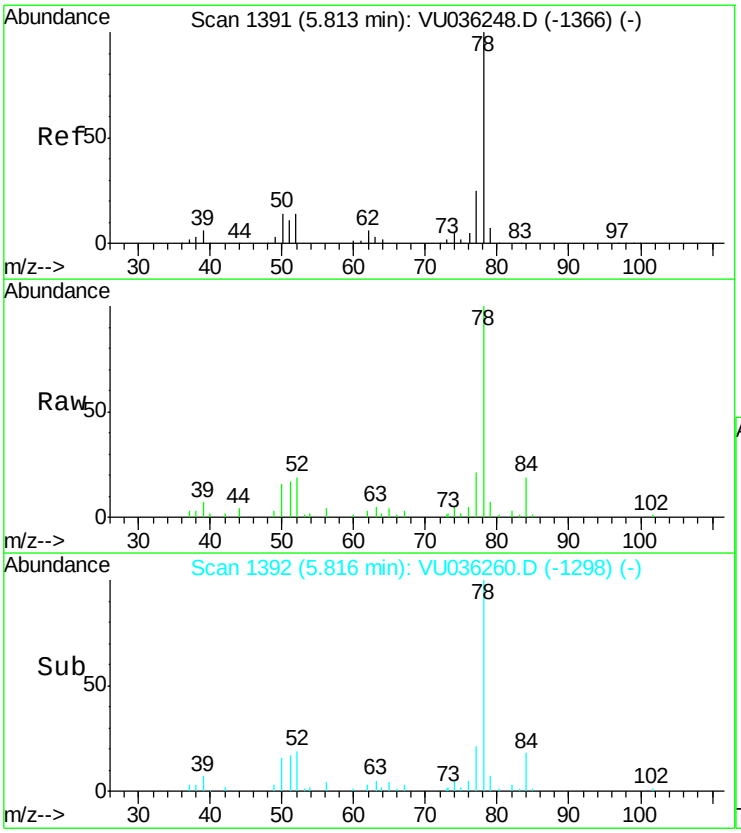

#27
1,2-Dichloroethane
Concen: 0.140 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFQT3

Tgt Ion: 62 Resp: 3010

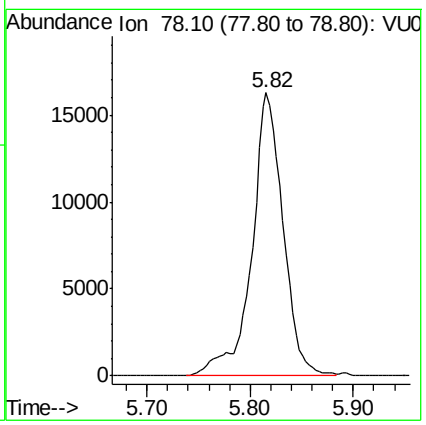
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.4 | 7.3 | 10.9# |

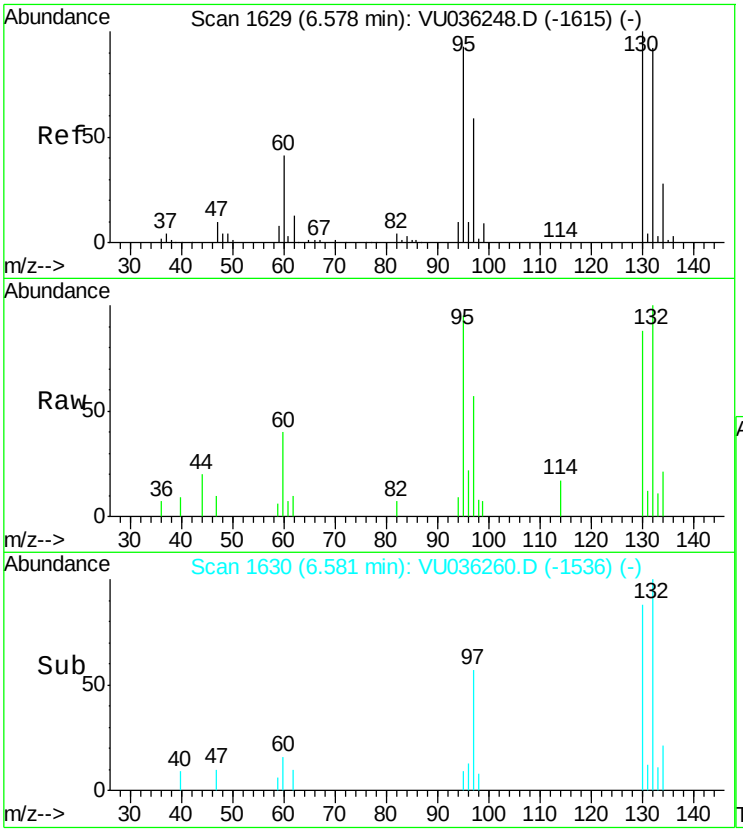



#33
Benzene
Concen: 0.421 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 78 Resp: 34176



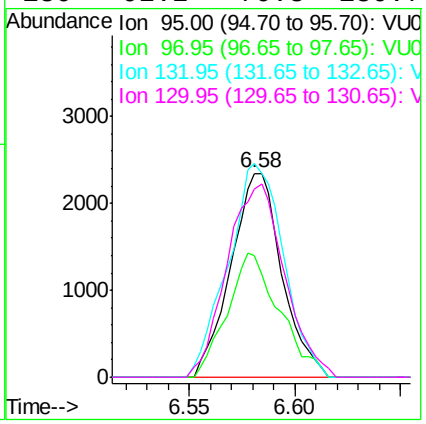


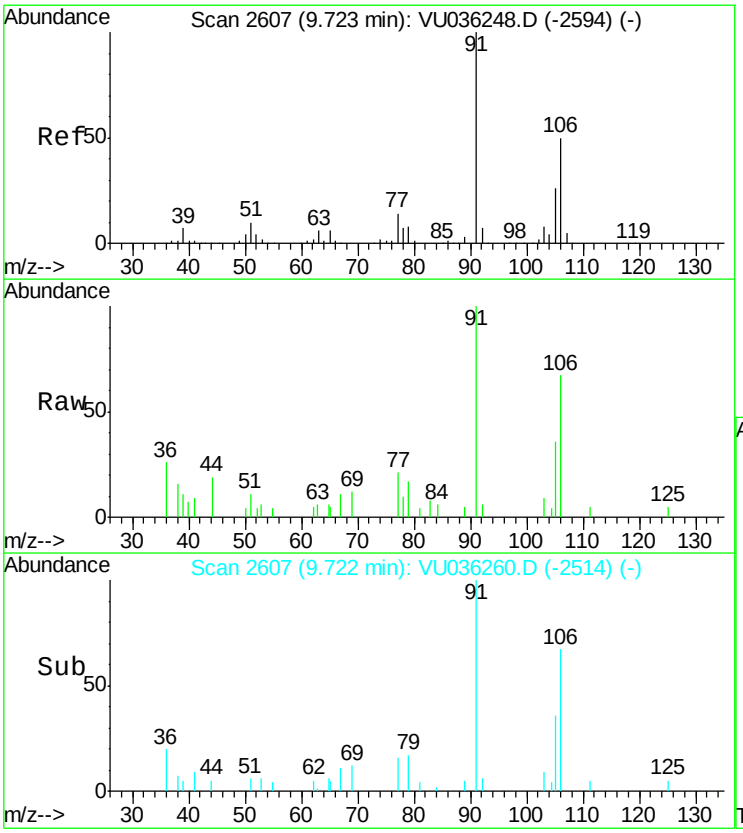

#34
Trichloroethene
Concen: 0.188 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFQT3

Tgt Ion: 95 Resp: 3946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 59.5 | 43.6 | 81.0 |
| 132 | 104.8 | 69.6 | 129.2 |
| 130 | 92.2 | 70.3 | 130.7 |




#53
m,p-Xylene
Concen: 0.098 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion:106 Resp: 3307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 150.1 | 138.7 | 257.7 |