Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061720\
Data File : VU038958.D
Acq On : 17 Jun 2020 20:44
Operator : SY/MD
Sample : L3040-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 18 04:12:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 261236 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 271046 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 119491 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 86912 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.80% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 75555 | 4.96 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 99.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 149991 | 4.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 81.60% | | | |
| 20) 2-Butanone-d5 | 4.71 | 46 | 384713 | 66.29 | ug/L | 0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 132.58%# | | | |
| 24) Chloroform-d | 5.10 | 84 | 188241 | 5.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 115638 | 5.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.20% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 360748 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.72 | 67 | 116132 | 5.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 106.00% | | | |
| 41) Toluene-d8 | 7.92 | 98 | 290779 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.60% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 48375 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 96.40% | | | |
| 46) 2-Hexanone-d5 | 8.66 | 63 | 313407 | 59.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 118.54% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84 | 108114 | 5.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 104.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.20 | 152 | 122519 | 5.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 109.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.62 | 62 | 9174 | 0.374 | ug/L # | 80 |
| 8) Chloroethane | 1.96 | 64 | 16111 | 1.034 | ug/L # | 55 |
| 12) 1,1-Dichloroethene | 2.60 | 96 | 1690 | 0.092 | ug/L # | 1 |
| 13) Acetone | 2.70 | 43 | 6151 | 1.555 | ug/L | 86 |
| 16) Methylene chloride | 3.08 | 84 | 2516 | 0.119 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 3.40 | 73 | 10460 | 0.217 | ug/L # | 85 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 11797 | 0.612 | ug/L | 86 |
| 22) cis-1,2-Dichloroethene | 4.71 | 96 | 2405888 | 121.514 | ug/L | 99 |
| 34) Trichloroethene | 6.57 | 95 | 164238 | 7.995 | ug/L | 96 |
| 35) Methylcyclohexane | 6.72 | 83 | 28444 | 0.873 | ug/L # | 19 |
| 37) 1,2-Dichloropropane | 6.72 | 63 | 13872 | 0.656 | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene | 7.59 | 75 | 3598 | 0.116 | ug/L # | 72 |
| 47) Tetrachloroethene | 8.57 | 164 | 39751 | 2.497 | ug/L | 96 |
| 48) 2-Hexanone | 8.66 | 43 | 40288 | 3.650 | ug/L # | 67 |
| 49) Dibromochloromethane | 8.57 | 129 | 38248 | 2.034 | ug/L # | 10 |
| 59) 1,2,3-Trichloropropane | 11.82 | 75 | 15049 | 0.923 | ug/L | 89 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061720\
Data File : VU038958.D
Acq On : 17 Jun 2020 20:44
Operator : SY/MD
Sample : L3040-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 18 04:12:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

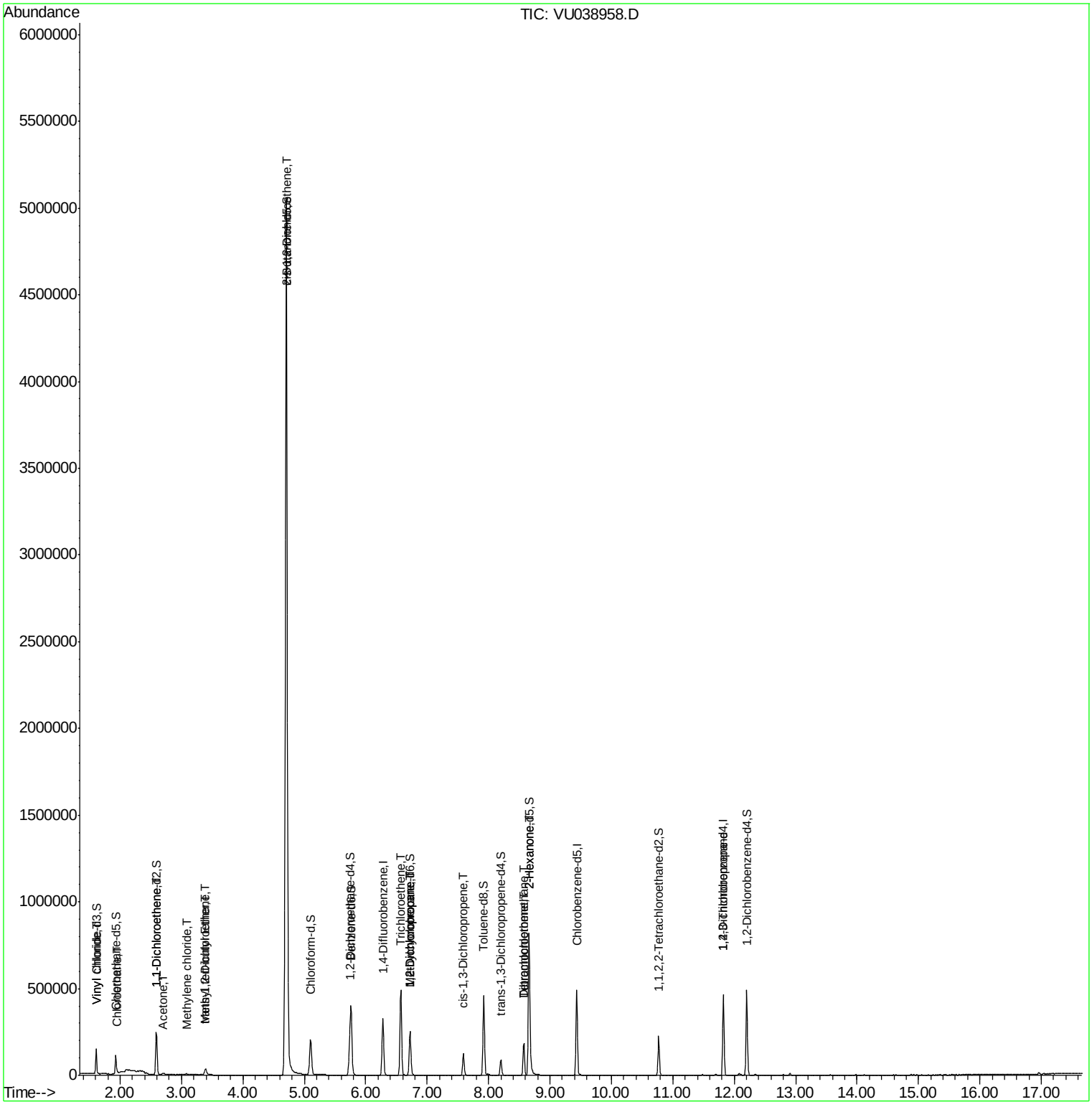
(#) = qualifier out of range (m) = manual integration (+) = signals summed

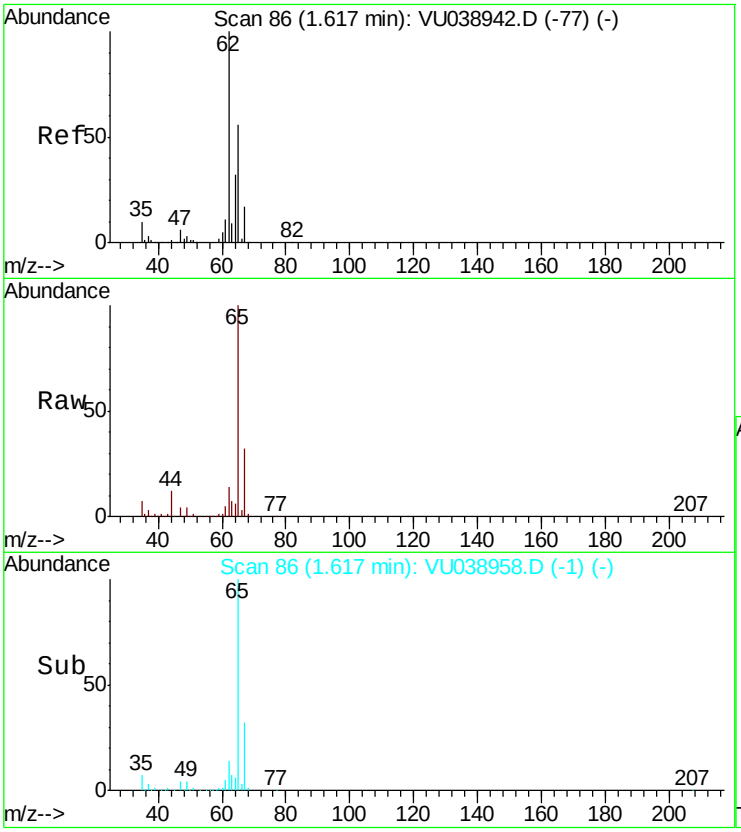
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
Data File : VU038958.D
Acq On : 17 Jun 2020 20:44
Operator : SY/MD
Sample : L3040-14
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 18 04:12:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration



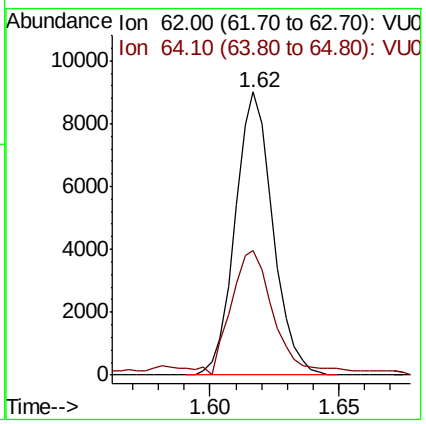


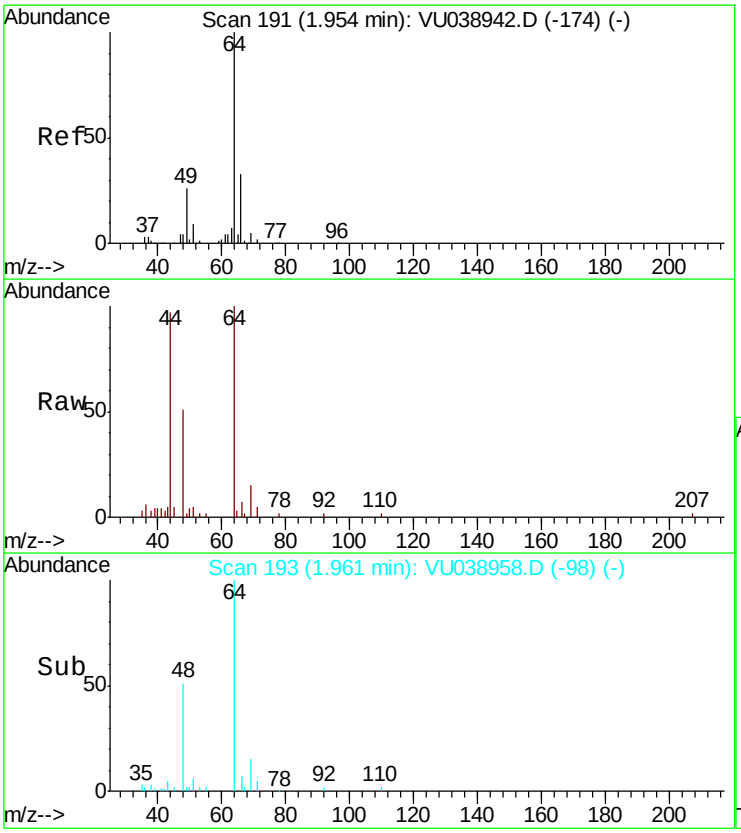

#5
Vinyl chloride
Concen: 0.374 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 62 Resp: 9174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 44.2 | 23.1 | 42.9# |

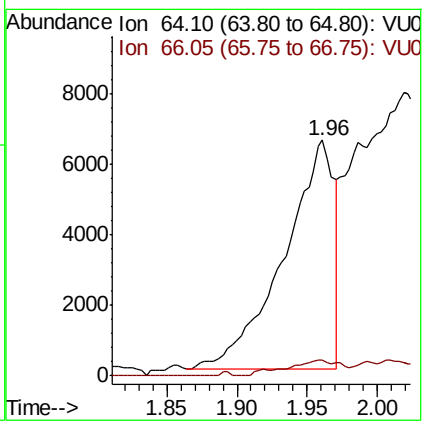


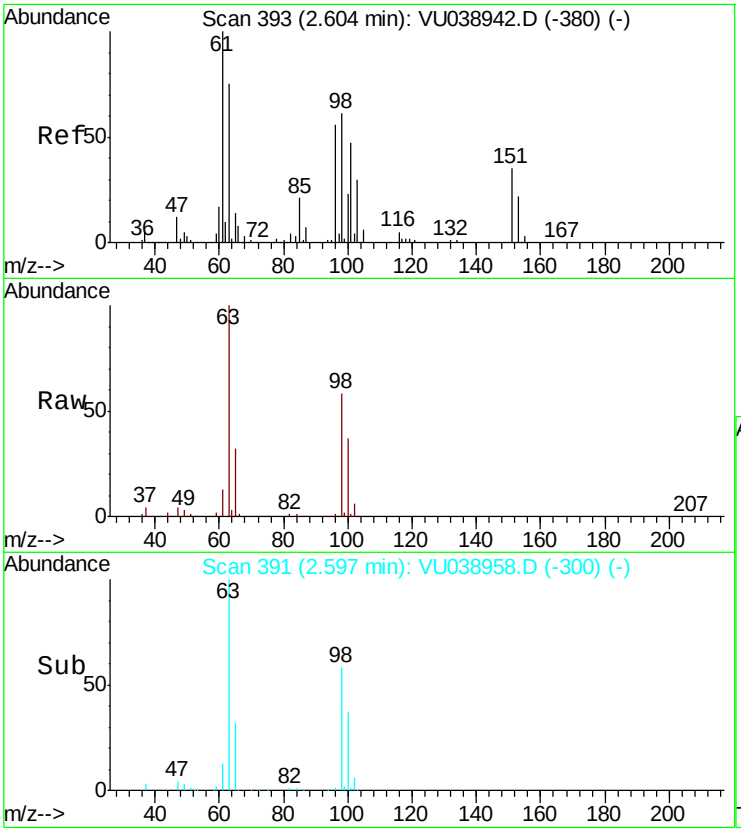




#8
Chloroethane
Concen: 1.034 ug/L
RT: 1.96 min Scan# 193
Delta R.T. 0.01 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 64 Resp: 16111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 6.5 | 22.1 | 41.1# |



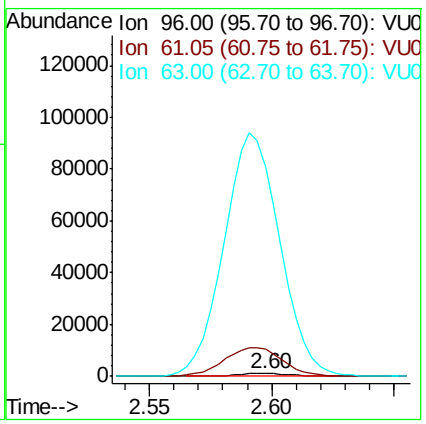


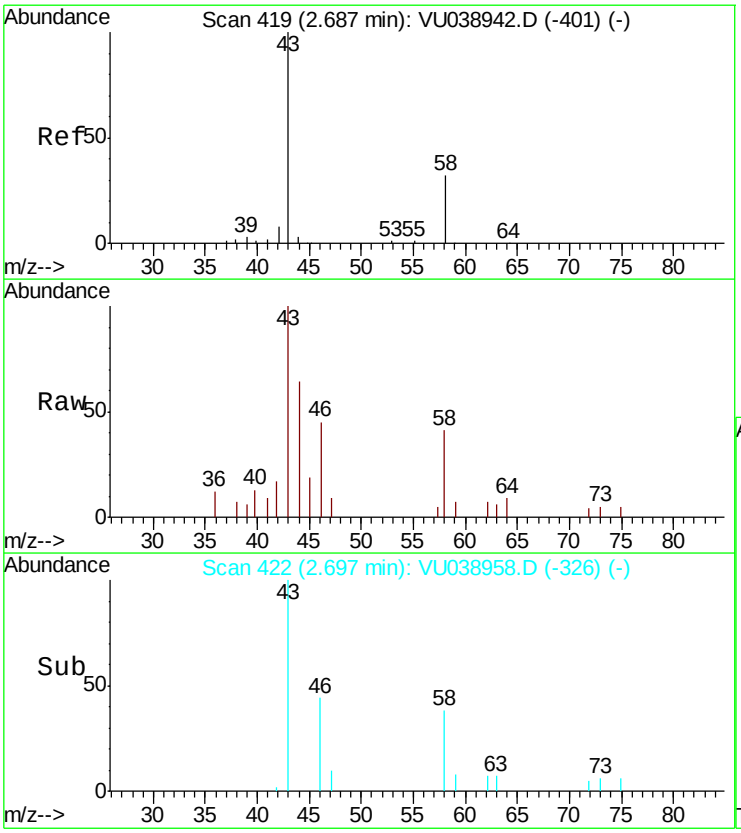

#12
1,1-Dichloroethene
Concen: 0.092 ug/L
RT: 2.60 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 96 Resp: 1690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 987.5 | 120.3 | 223.5# |
| 63 | 7681.2 | 78.7 | 146.1# |

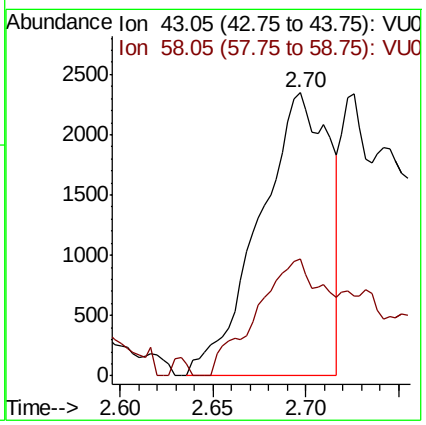


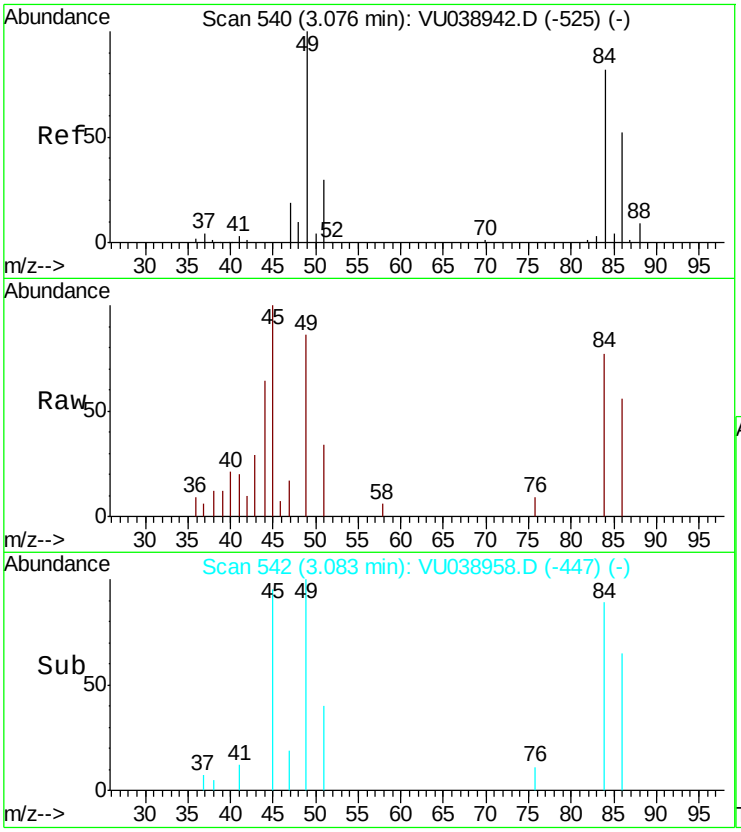




#13
Acetone
Concen: 1.555 ug/L
RT: 2.70 min Scan# 422
Delta R.T. 0.01 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 43 Resp: 6151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.6 | 0.0 | 65.0 |



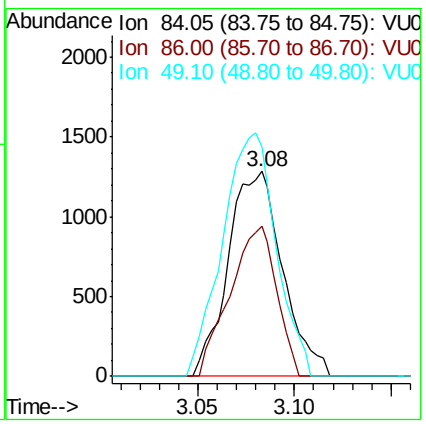


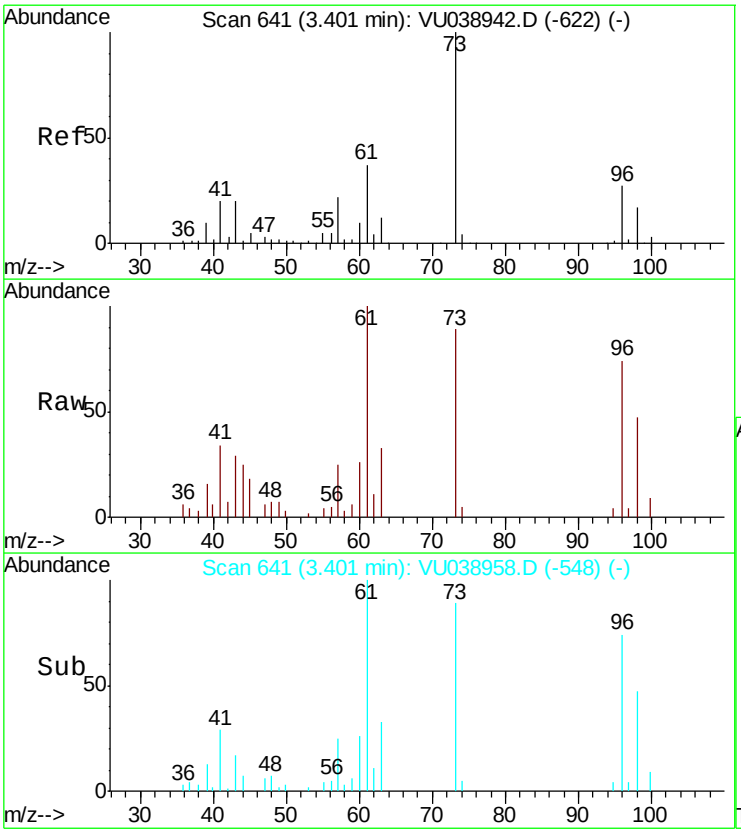

#16
Methylene chloride
Concen: 0.119 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.01 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 84 Resp: 2516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 73.1 | 45.1 | 83.7 |
| 49 | 111.8 | 83.7 | 155.4 |

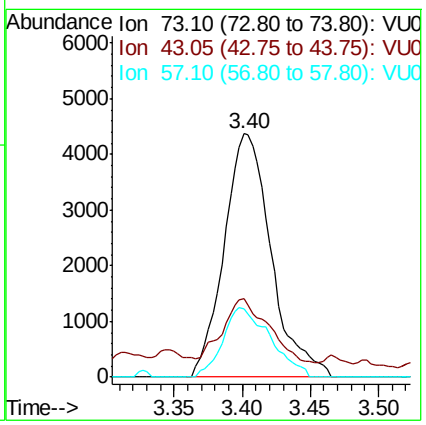


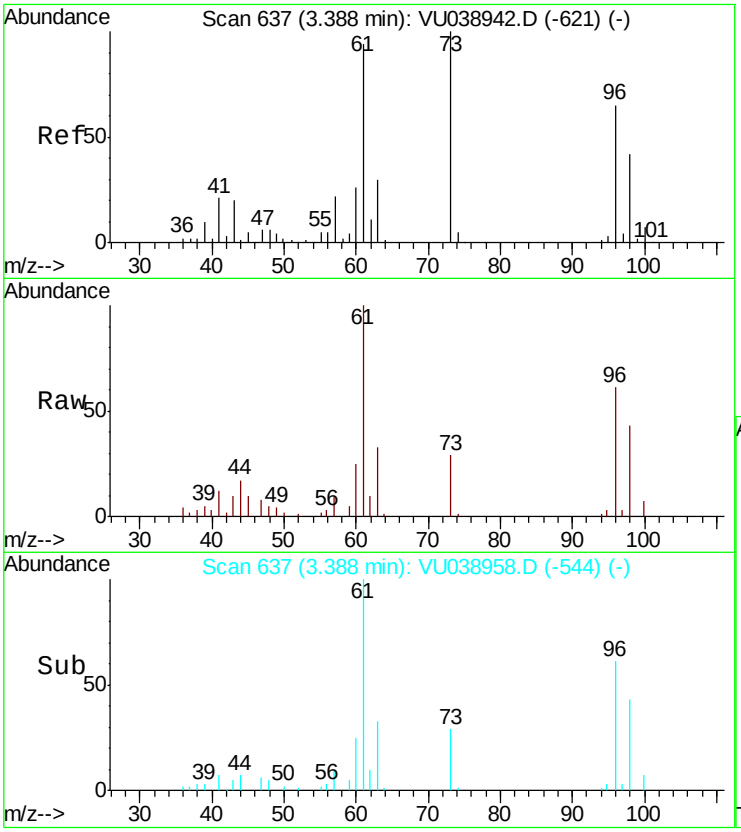




#17
Methyl tert-butyl Ether
Concen: 0.217 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 73 Resp: 10460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 28.7 | 17.0 | 25.4# |
| 57 | 28.8 | 17.7 | 26.5# |



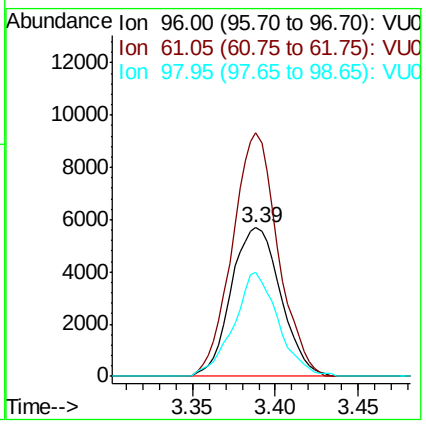


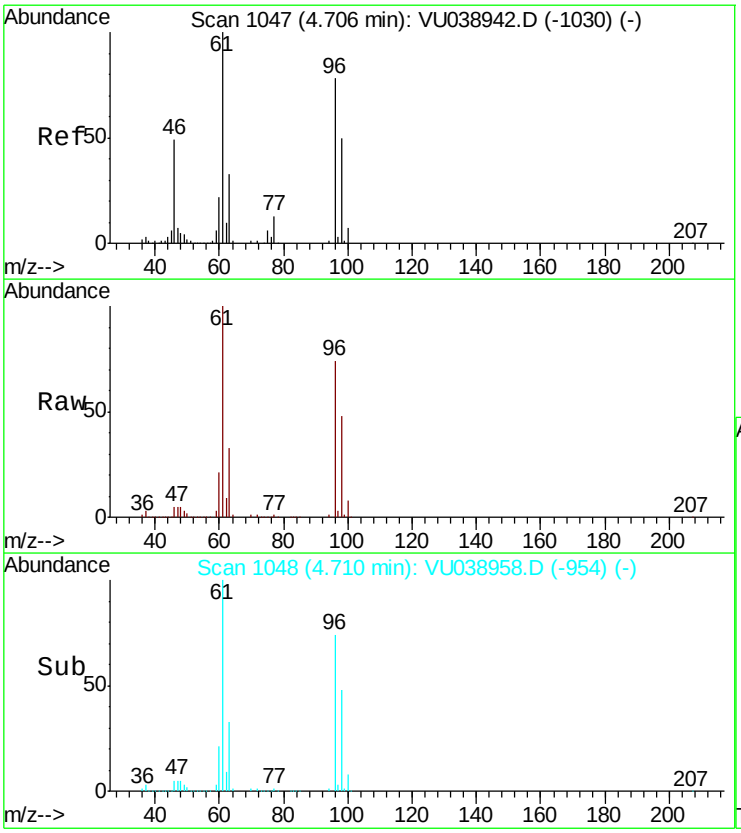

#18
trans-1,2-Dichloroethene
Concen: 0.612 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 96 Resp: 11797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.0 | 100.3 | 186.3 |
| 98 | 69.9 | 45.4 | 84.2 |

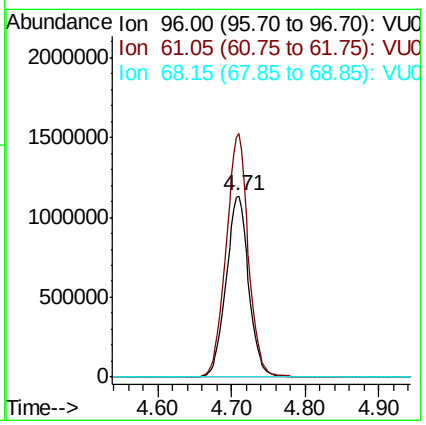


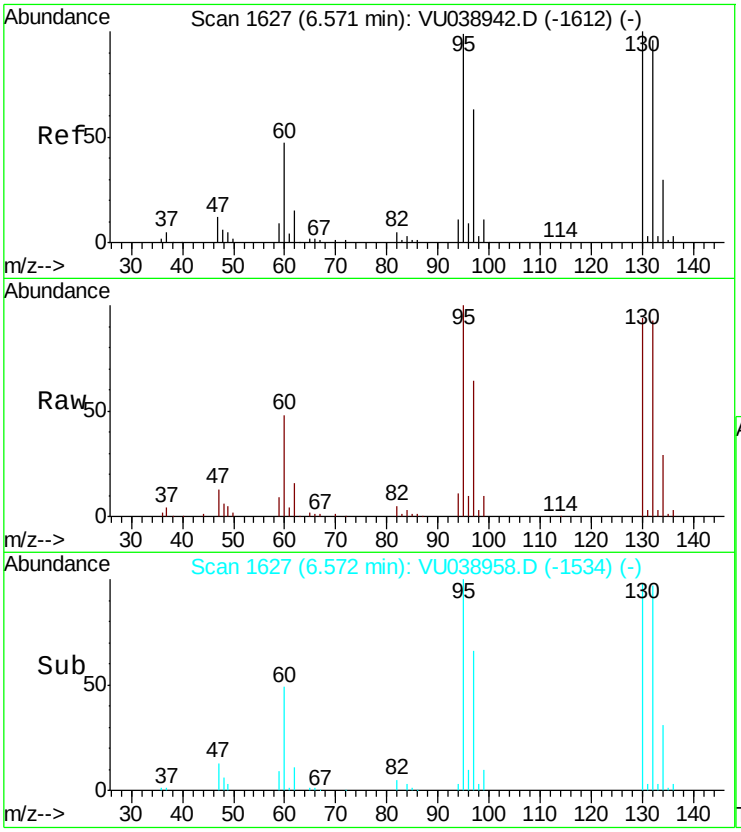




#22
cis-1,2-Dichloroethene
Concen: 121.514 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 96 Resp: 2405888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 93.7 | 173.9 |
| 68 | 0.0 | 0.0 | 0.0 |



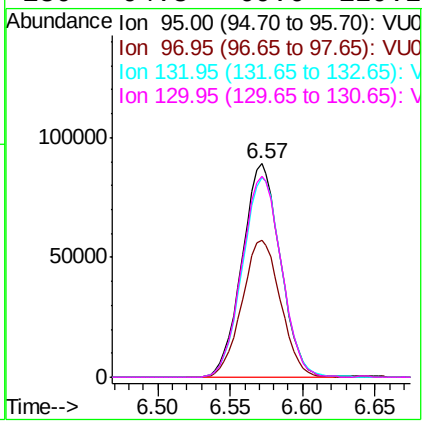


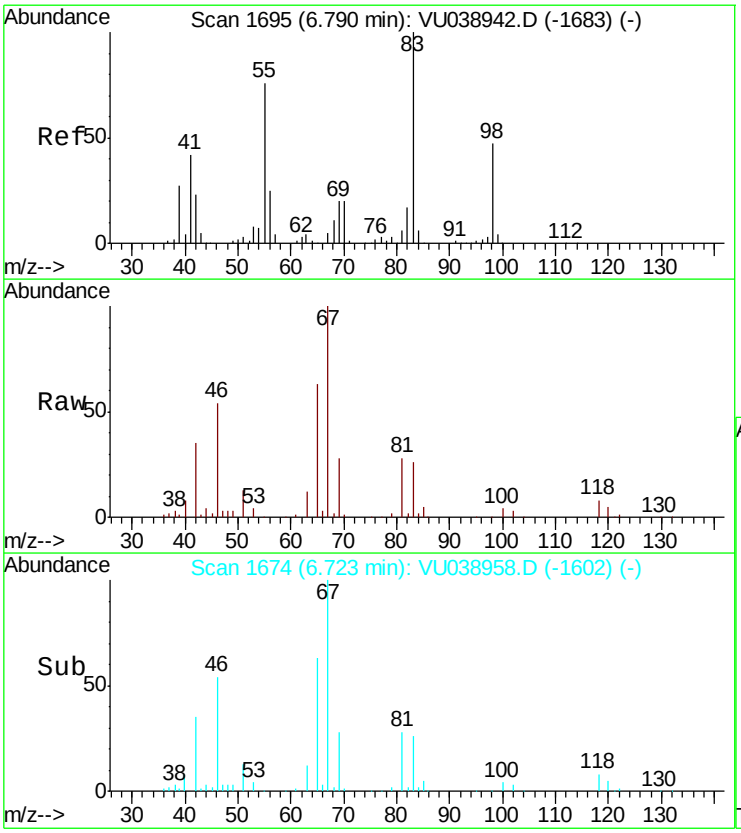

#34
Trichloroethene
Concen: 7.995 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 95 Resp: 164238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.9 | 45.4 | 84.4 |
| 132 | 93.3 | 68.4 | 127.0 |
| 130 | 94.3 | 69.6 | 129.2 |

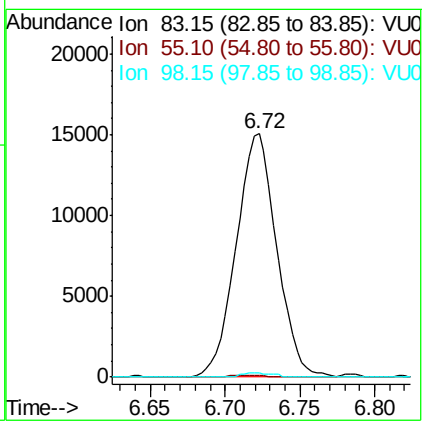


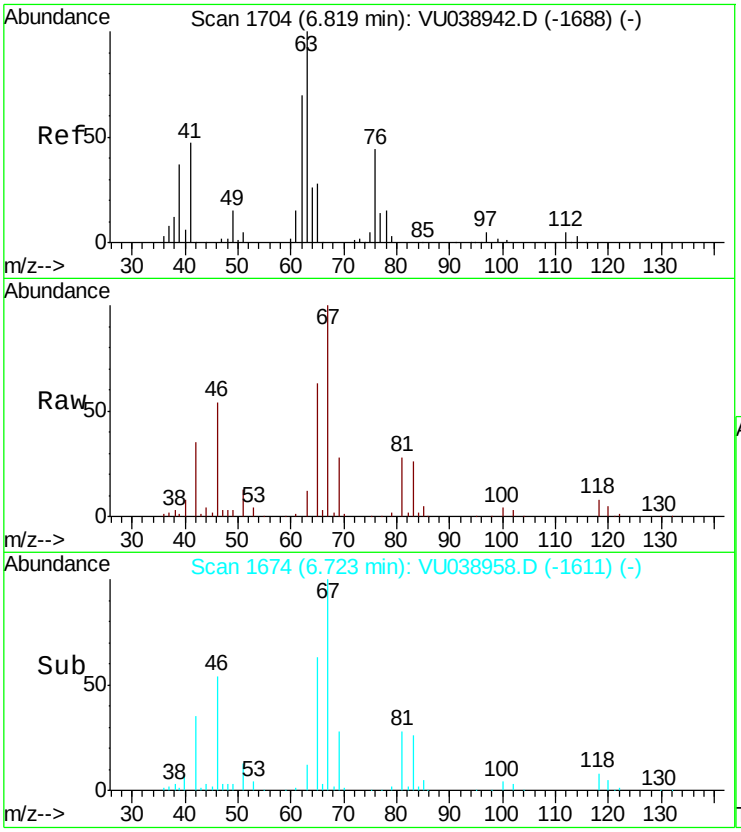




#35
Methylcyclohexane
Concen: 0.873 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 83 Resp: 28444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.7 | 61.8 | 92.8# |
| 98 | 1.3 | 39.3 | 58.9# |



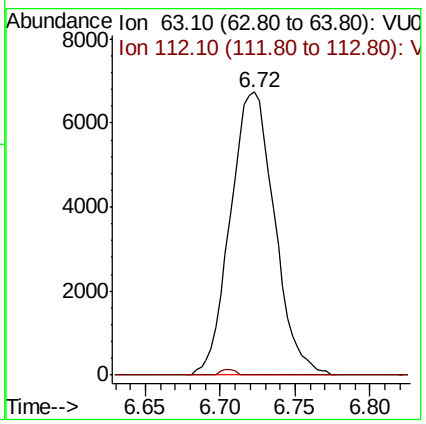


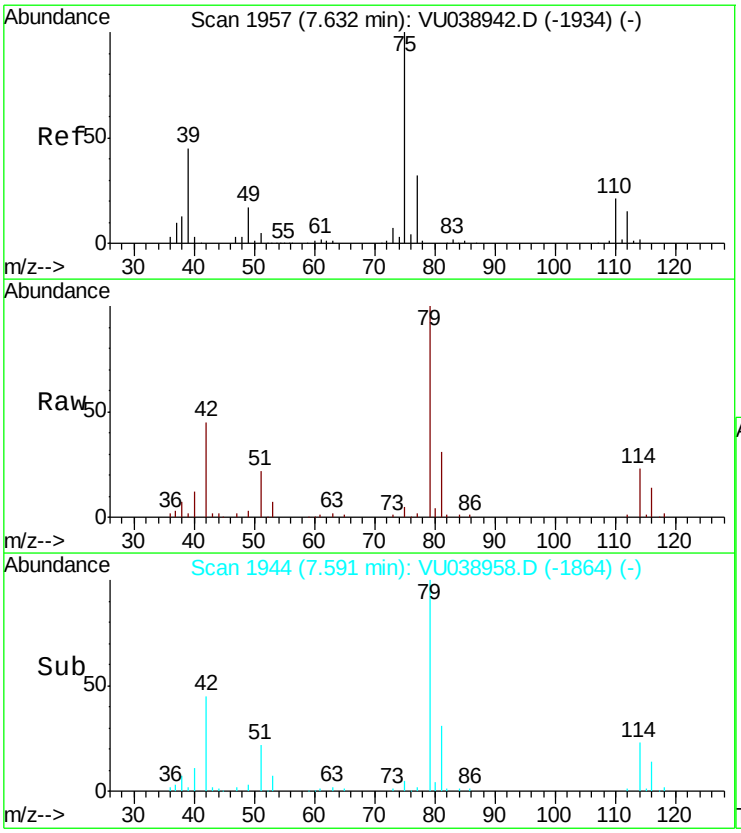

#37
1,2-Dichloropropane
Concen: 0.656 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion: 63 Resp: 13872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.7 | 3.9 | 5.9# |

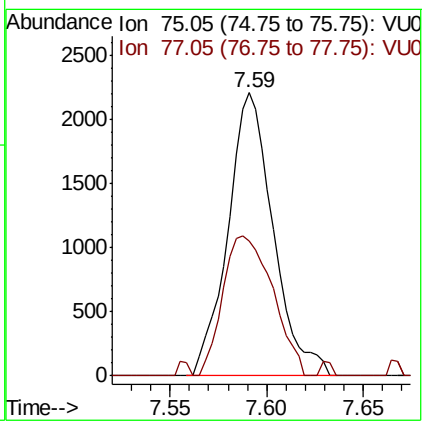


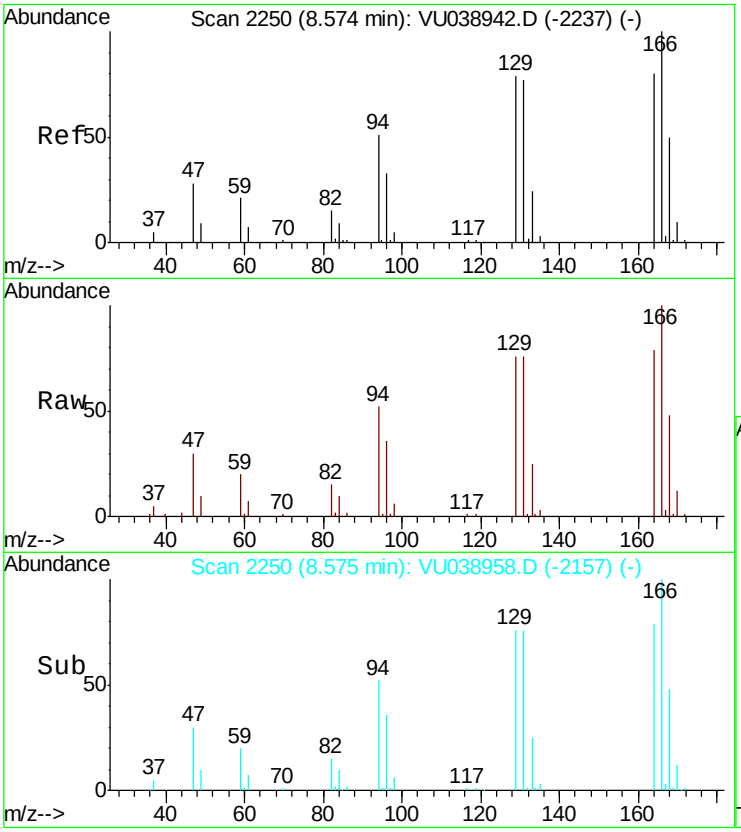




#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 75 Resp: 3598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 47.8 | 22.4 | 41.6# |



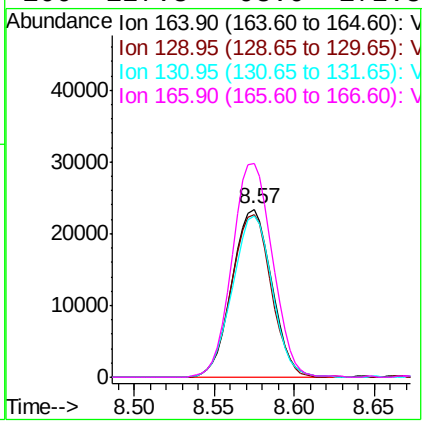


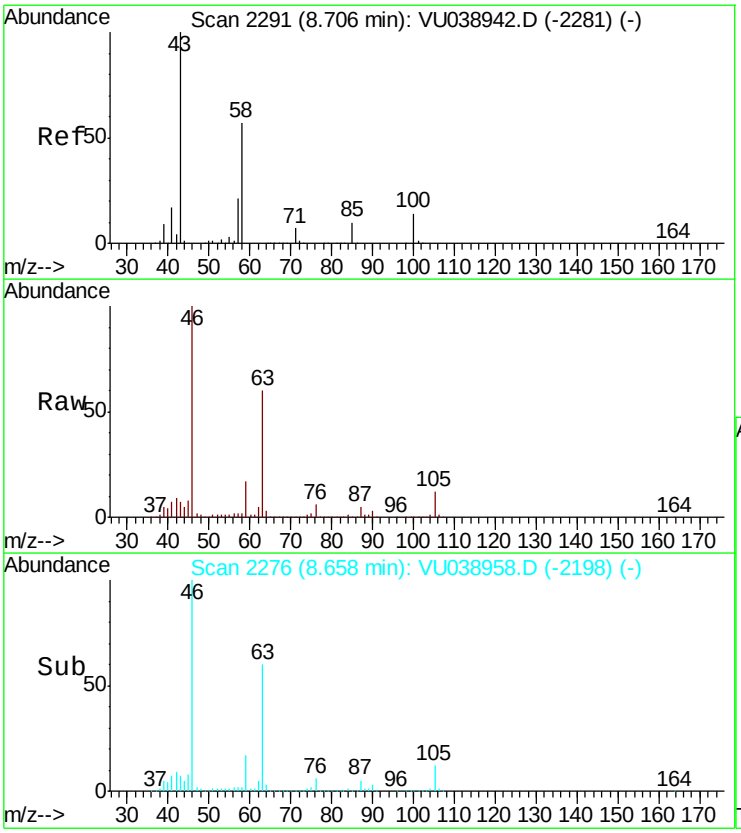

#47
Tetrachloroethene
Concen: 2.497 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

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

Tgt Ion:164 Resp: 39751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 97.2 | 66.1 | 122.8 |
| 131 | 96.3 | 65.7 | 122.1 |
| 166 | 127.3 | 93.0 | 172.8 |

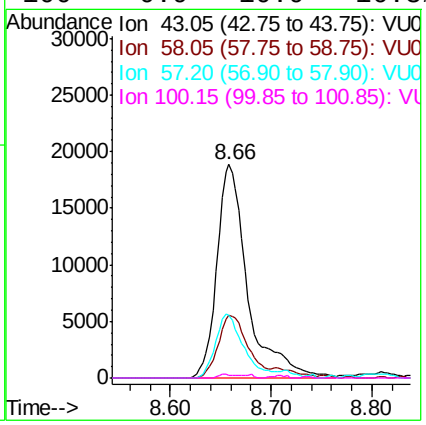


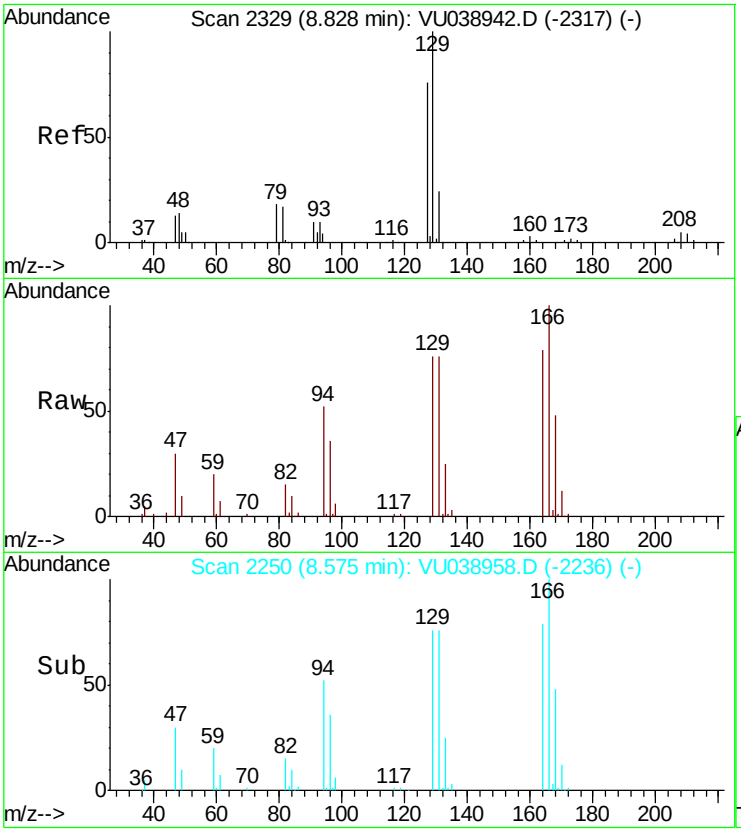




#48
2-Hexanone
Concen: 3.650 ug/L
RT: 8.66 min Scan# 2276
Delta R.T. -0.05 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 43 Resp: 40288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 45.2 | 67.8# |
| 57 | 27.2 | 16.1 | 24.1# |
| 100 | 0.9 | 10.9 | 16.3# |



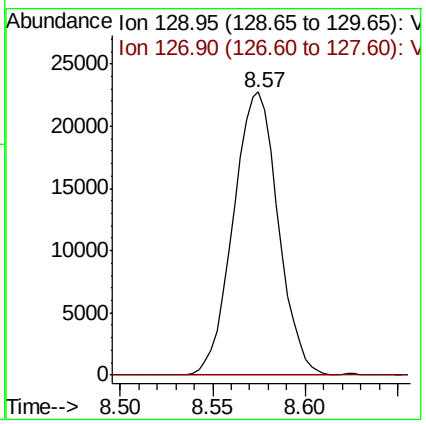


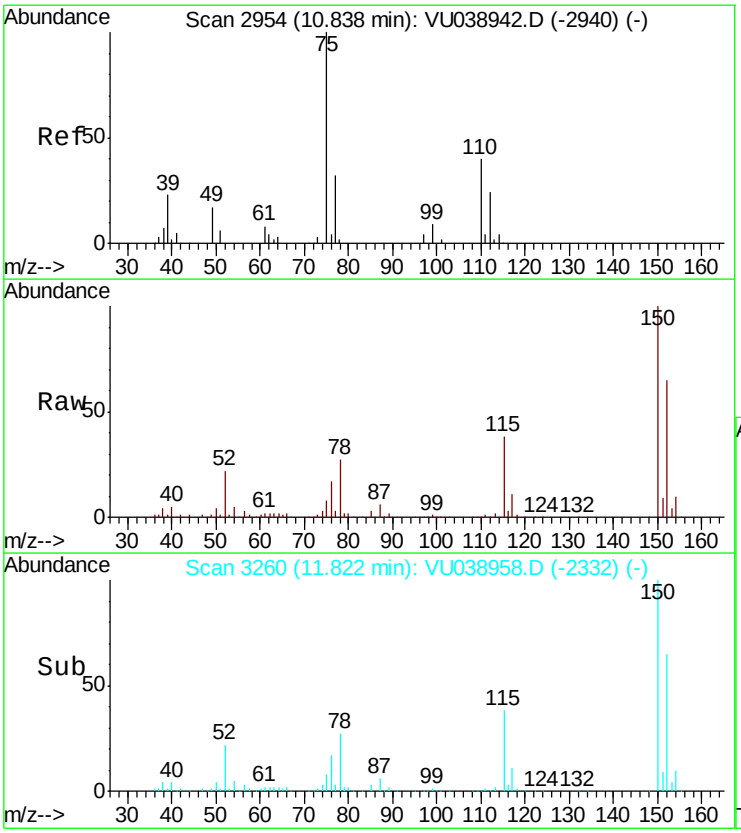

#49
Dibromochloromethane
Concen: 2.034 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.25 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion:129 Resp: 38248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 54.9 | 101.9# |

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




#59
1,2,3-Trichloropropane
Concen: 0.923 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU038958.D
Acq: 17 Jun 2020 20:44

Tgt Ion: 75 Resp: 15049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.7 | 25.4 | 38.0 |