Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\

Quantitation Report (Not Reviewed)

Data File : VU035346.D
Acq On : 22 Oct 2019 01:52
Operator : JC/SP
Sample : K5458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0K31

Quant Time: Oct 22 06:45:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 268009 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 269360 | 5.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 92259 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.62 | 65 | 111423 | 6.82 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 136.40%# | | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 101771 | 6.81 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 136.20%# | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.60 | 63 | 189637 | 6.28 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 125.60%# | | | | |
| 20) 2-Butanone-d5 | 4.70 | 46 | 256554 | 54.63 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 109.26% | | | | |
| 24) Chloroform-d | 5.11 | 84 | 187894 | 6.29 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 125.80%# | | | | |
| 26) 1,2-Dichloroethane-d4 | 5.75 | 65 | 103054 | 6.23 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 124.60% | | | | |
| 32) Benzene-d6 | 5.77 | 84 | 384139 | 6.24 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 124.80% | | | | |
| 36) 1,2-Dichloropropane-d6 | 6.74 | 67 | 120303 | 6.15 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 123.00% | | | | |
| 41) Toluene-d8 | 7.93 | 98 | 337798 | 5.73 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 114.60% | | | | |
| 43) trans-1,3-Dichloropropene- | 8.22 | 79 | 45132 | 4.76 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.20% | | | | |
| 46) 2-Hexanone-d5 | 8.69 | 63 | 202177 | 48.30 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 96.60% | | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 97295 | 5.58 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 111.60% | | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 101254 | 6.03 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 120.60%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.54 | 50 | 3702 | 0.164 | ug/L | | 98 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 59954 | 3.482 | ug/L | # | 78 |
| 13) Acetone | 2.67 | 43 | 5989 | 1.833 | ug/L | | 93 |
| 16) Methylene chloride | 3.08 | 84 | 2130 | 0.103 | ug/L | | 96 |
| 19) 1,1-Dichloroethane | 3.92 | 63 | 9163 | 0.273 | ug/L | | 93 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 61847 | 3.011 | ug/L | | 98 |
| 25) Chloroform | 5.14 | 83 | 7696 | 0.209 | ug/L | | 89 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 9040 | 0.287 | ug/L | | 98 |
| 31) Carbon tetrachloride | 5.57 | 117 | 3673 | 0.129 | ug/L | | 93 |
| 34) Trichloroethene | 6.58 | 95 | 247600 | 11.620 | ug/L | | 95 |
| 35) Methylcyclohexane | 6.74 | 83 | 28877 | 0.811 | ug/L | # | 19 |
| 39) cis-1,3-Dichloropropene | 7.60 | 75 | 3334 | 0.099 | ug/L | # | 52 |
| 47) Tetrachloroethene | 8.58 | 164 | 216636 | 12.204 | ug/L | | 98 |
| 48) 2-Hexanone | 8.74 | 43 | 10372 | 1.089 | ug/L | # | 83 |
| 49) Dibromochloromethane | 8.58 | 129 | 190894 | 10.081 | ug/L | # | 11 |
| 59) 1,2,3-Trichloropropane | 11.84 | 75 | 11915 | 0.850 | ug/L | | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\

Quantitation Report (Not Reviewed)

Data File : VU035346.D
Acq On : 22 Oct 2019 01:52
Operator : JC/SP
Sample : K5458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0K31

Quant Time: Oct 22 06:45:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

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

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

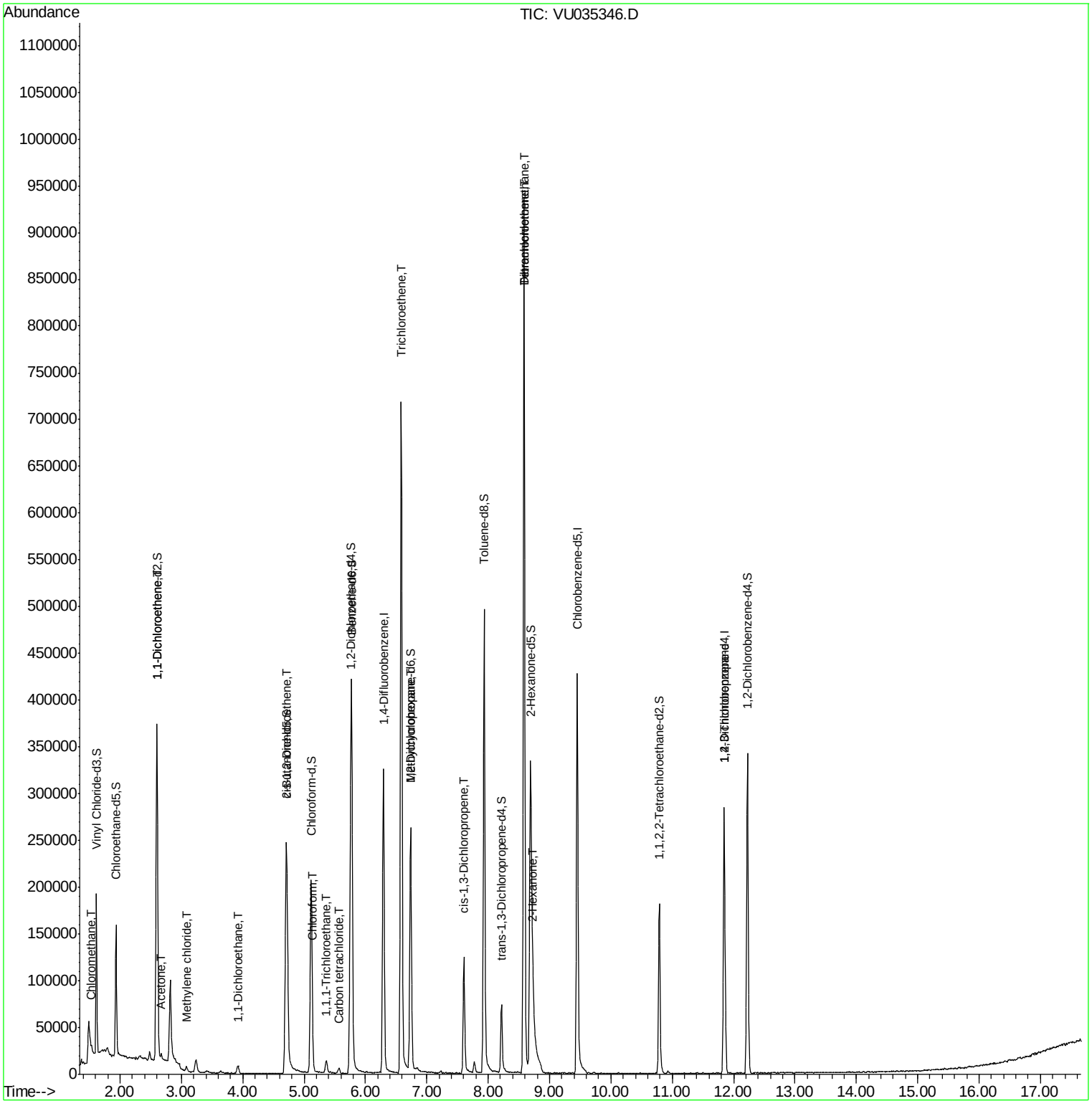
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\

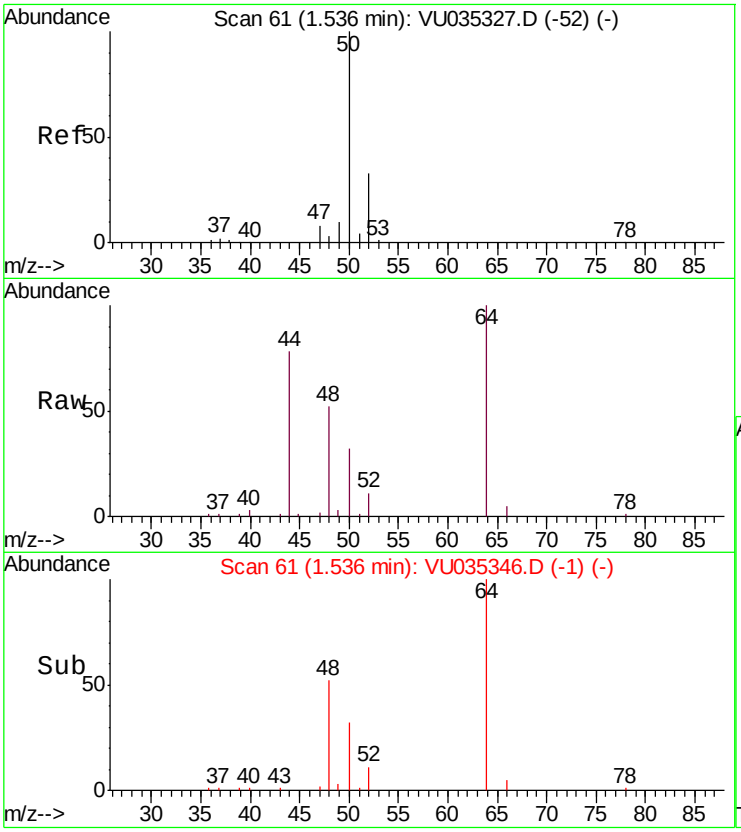
Quantitation Report (Not Reviewed)

Data File : VU035346.D
Acq On : 22 Oct 2019 01:52
Operator : JC/SP
Sample : K5458-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Quant Time: Oct 22 06:45:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration



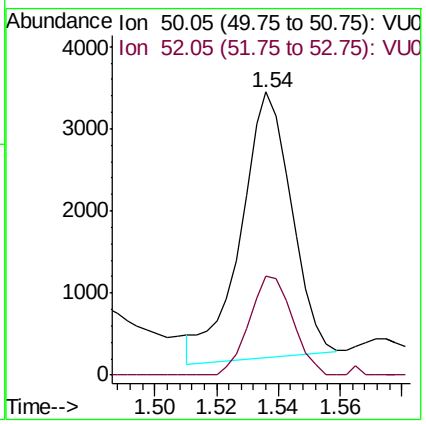


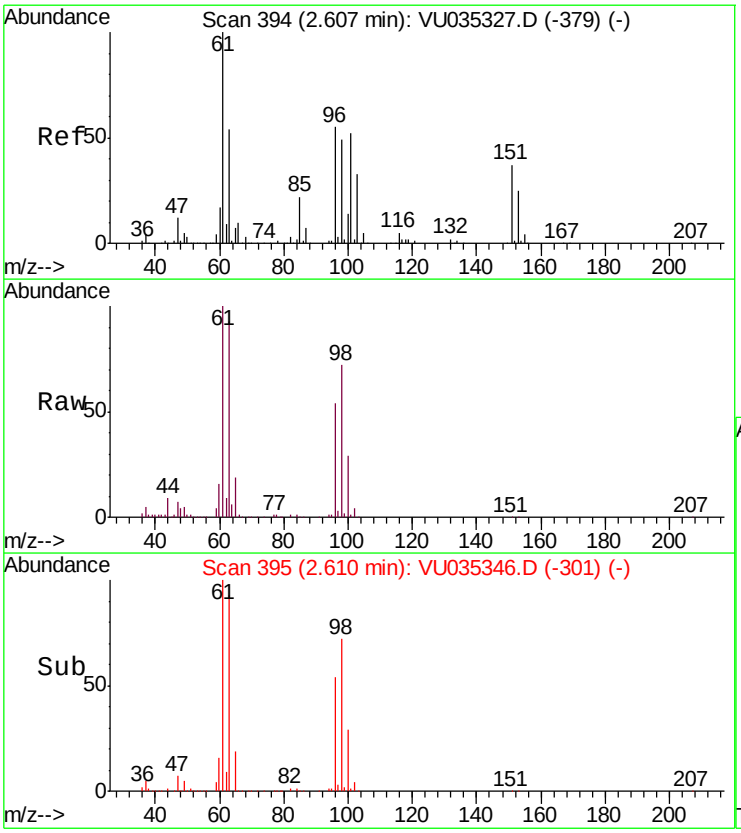

#3
Chloromethane
Concen: 0.164 ug/L
RT: 1.54 min Scan# 61
Delta R.T. -0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Tgt Ion: 50 Resp: 3702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 23.5 | 43.7 |

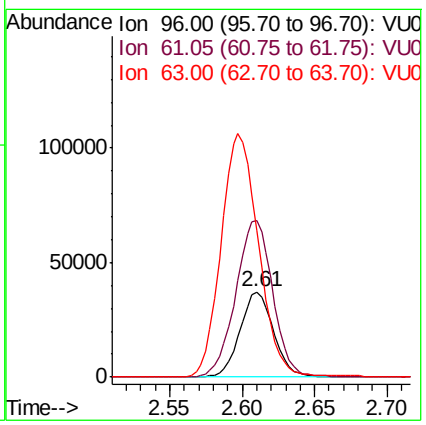


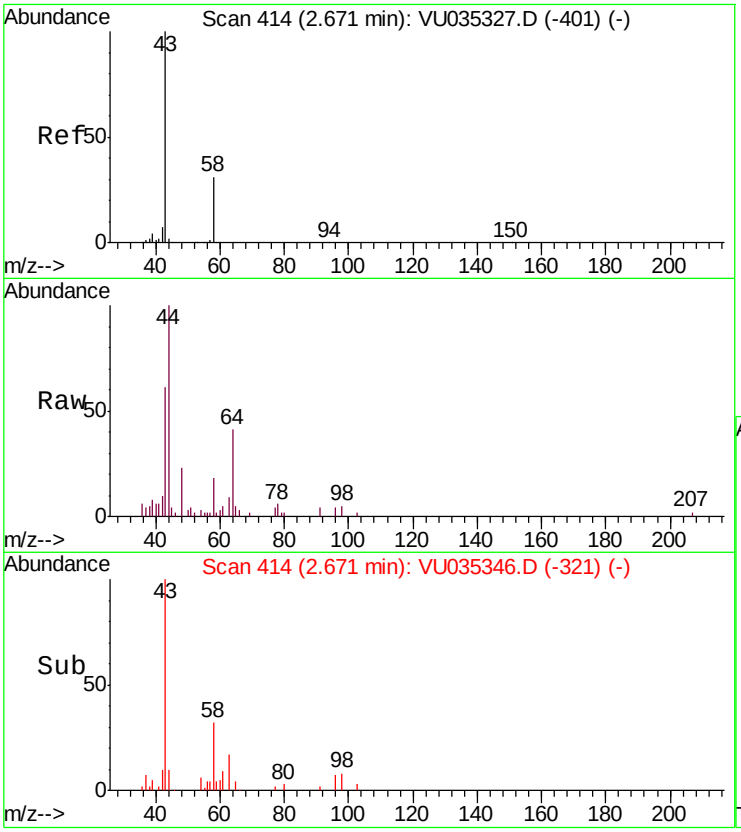




#12
1,1-Dichloroethene
Concen: 3.482 ug/L
RT: 2.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 96 Resp: 59954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.7 | 120.6 | 224.0 |
| 63 | 171.4 | 86.8 | 161.2# |



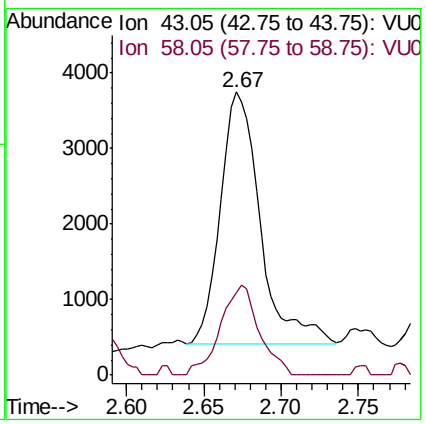


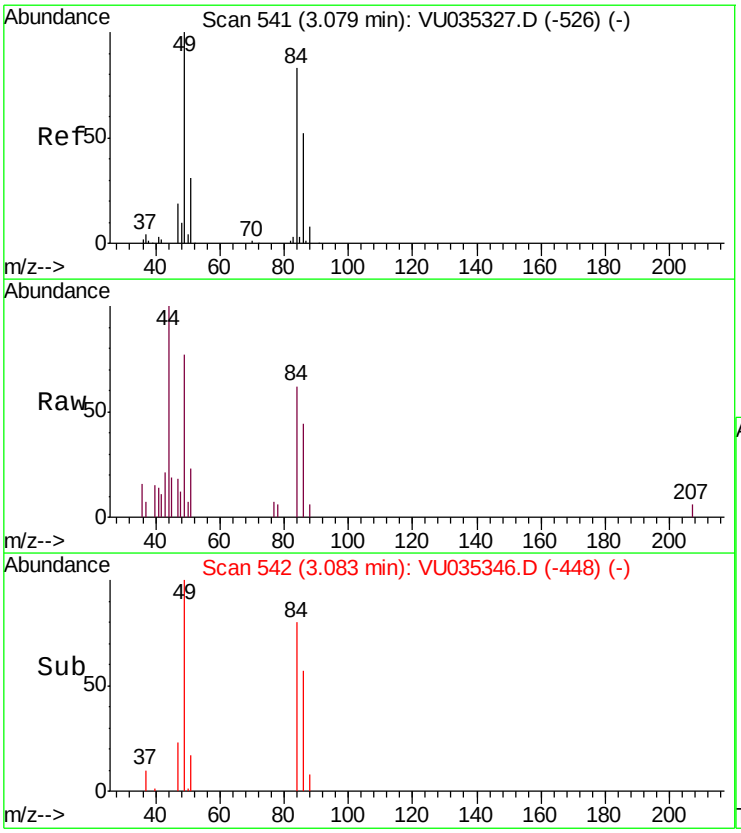

#13
Acetone
Concen: 1.833 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Tgt Ion: 43 Resp: 5989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.7 | 0.0 | 61.8 |

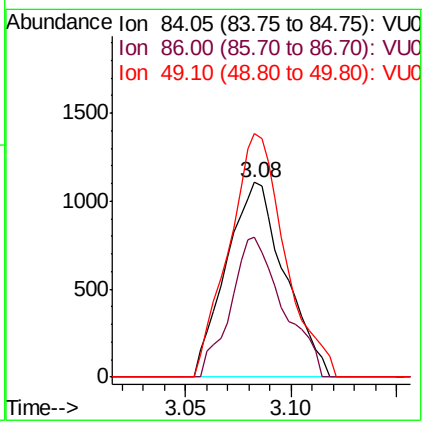


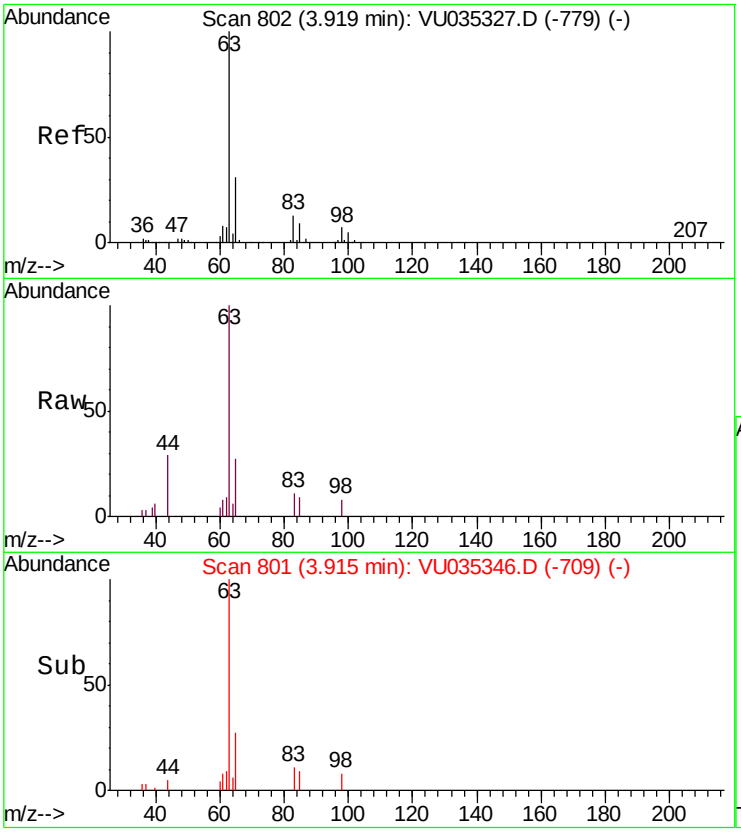




#16
Methylene chloride
Concen: 0.103 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 84 Resp: 2130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 71.8 | 45.4 | 84.2 |
| 49 | 124.9 | 86.8 | 161.2 |



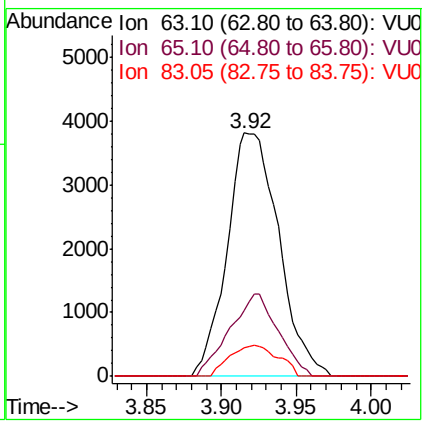


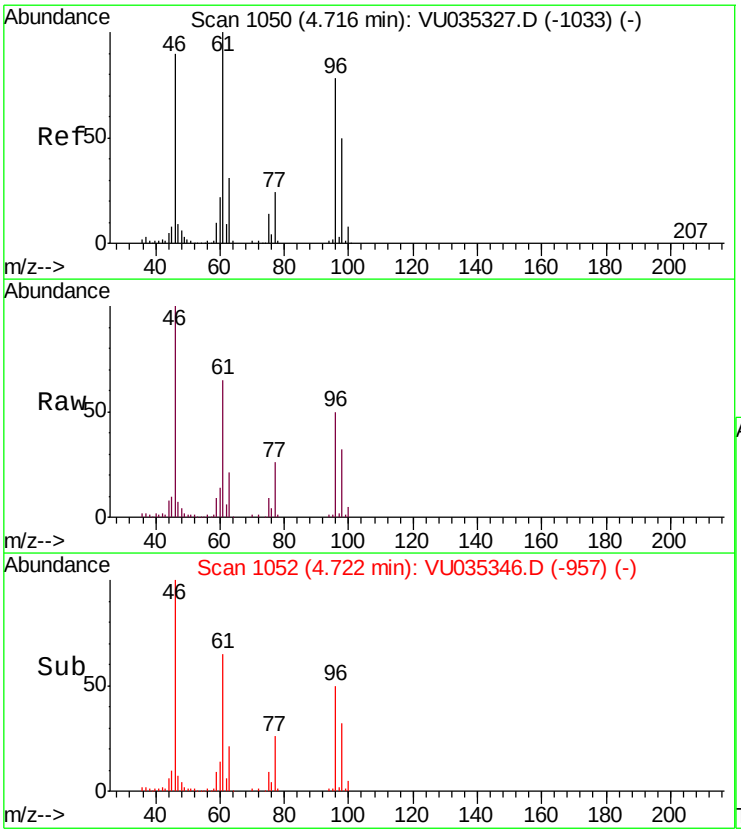

#19
1,1-Dichloroethane
Concen: 0.273 ug/L
RT: 3.92 min Scan# 801
Delta R.T. -0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :** MSVOA_U
**ClientSampleId :** C0K31

Tgt Ion: 63 Resp: 9163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.1 | 22.4 | 41.6 |
| 83 | 11.5 | 9.3 | 17.3 |

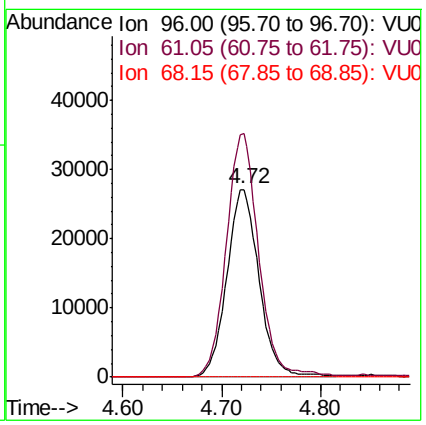


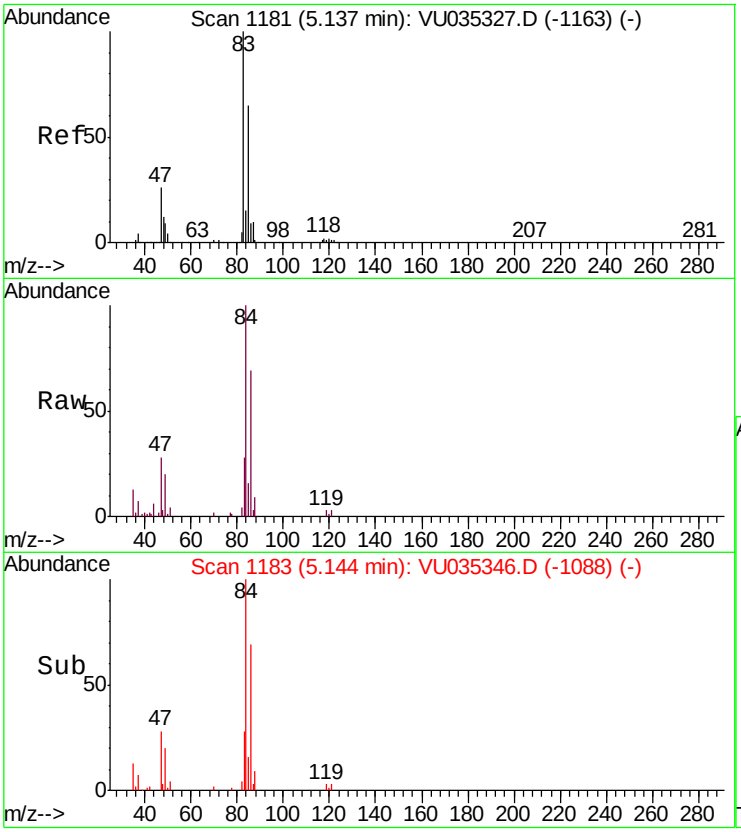




#22
cis-1,2-Dichloroethene
Concen: 3.011 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 96 Resp: 61847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.0 | 89.7 | 166.5 |
| 68 | 0.0 | 0.0 | 0.0 |



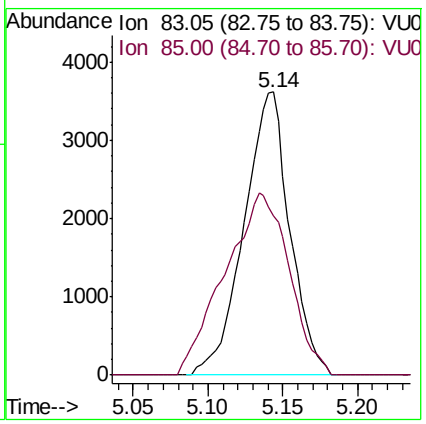


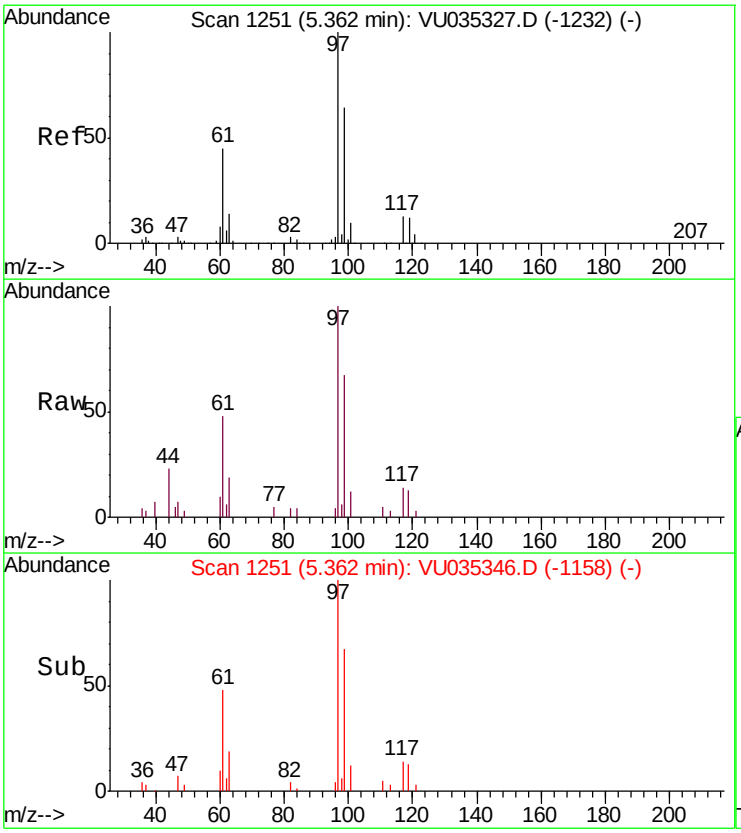

#25
Chloroform
Concen: 0.209 ug/L
RT: 5.14 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Tgt Ion: 83 Resp: 7696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.2 | 45.1 | 83.9 |

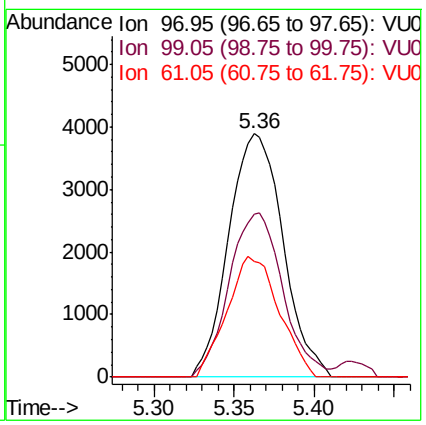


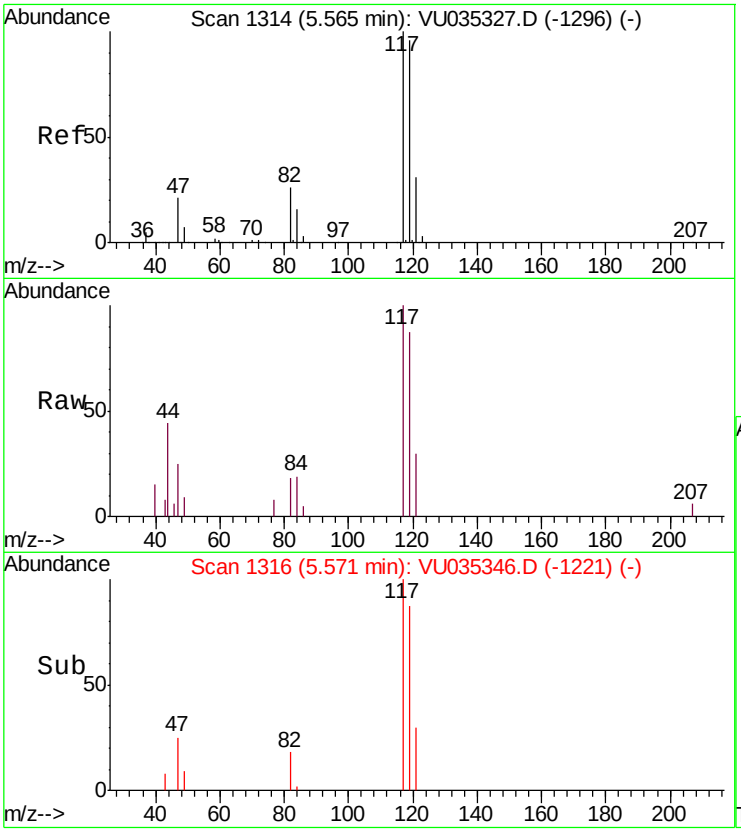




#29
1,1,1-Trichloroethane
Concen: 0.287 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 97 Resp: 9040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 67.0 | 52.6 | 79.0 |
| 61 | 47.3 | 37.0 | 55.4 |



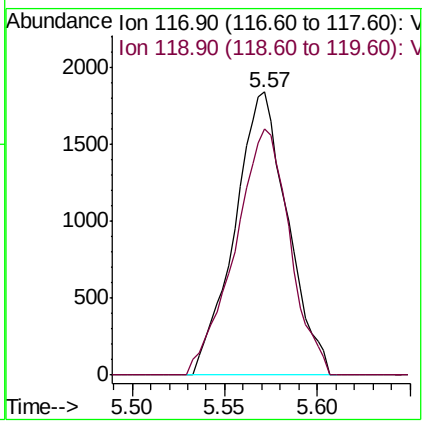


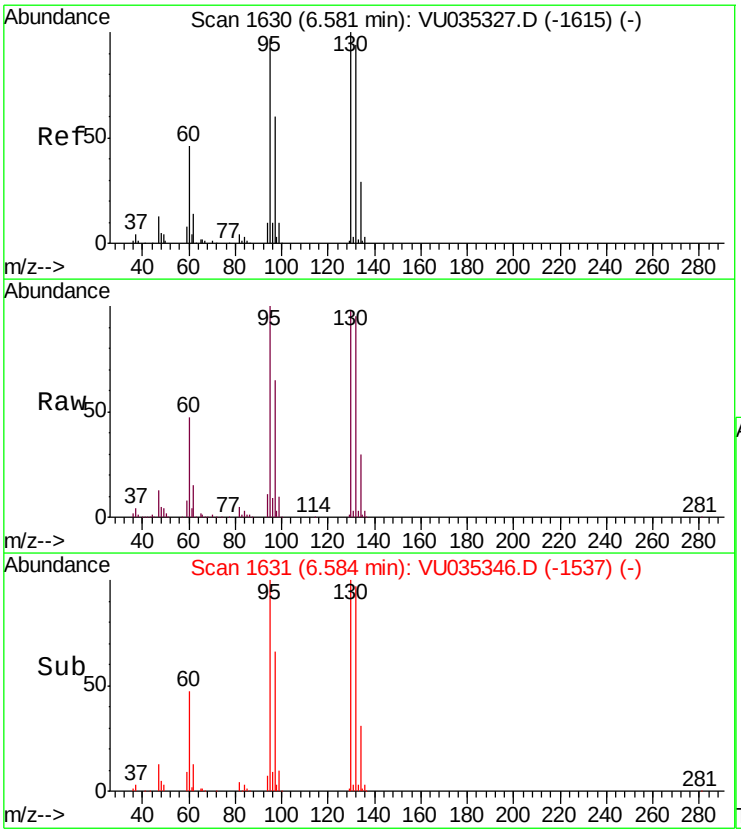

#31
Carbon tetrachloride
Concen: 0.129 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Tgt Ion:117 Resp: 3673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.5 | 77.4 | 116.0 |

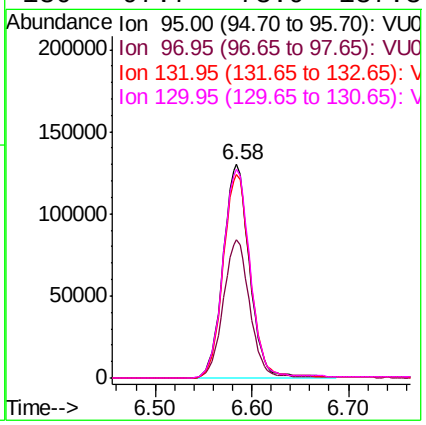


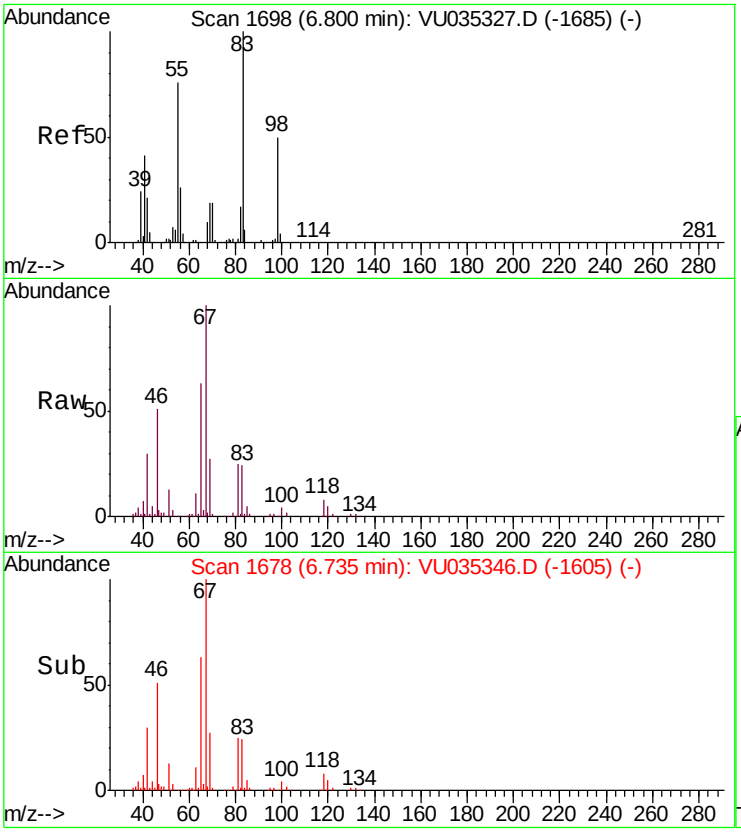




#34
Trichloroethene
Concen: 11.620 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 95 Resp: 247600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.5 | 46.6 | 86.6 |
| 132 | 95.3 | 68.7 | 127.7 |
| 130 | 97.7 | 73.9 | 137.3 |



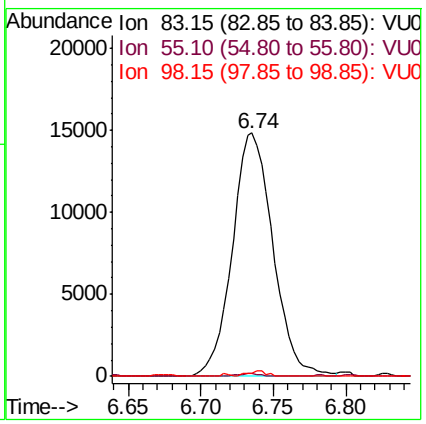


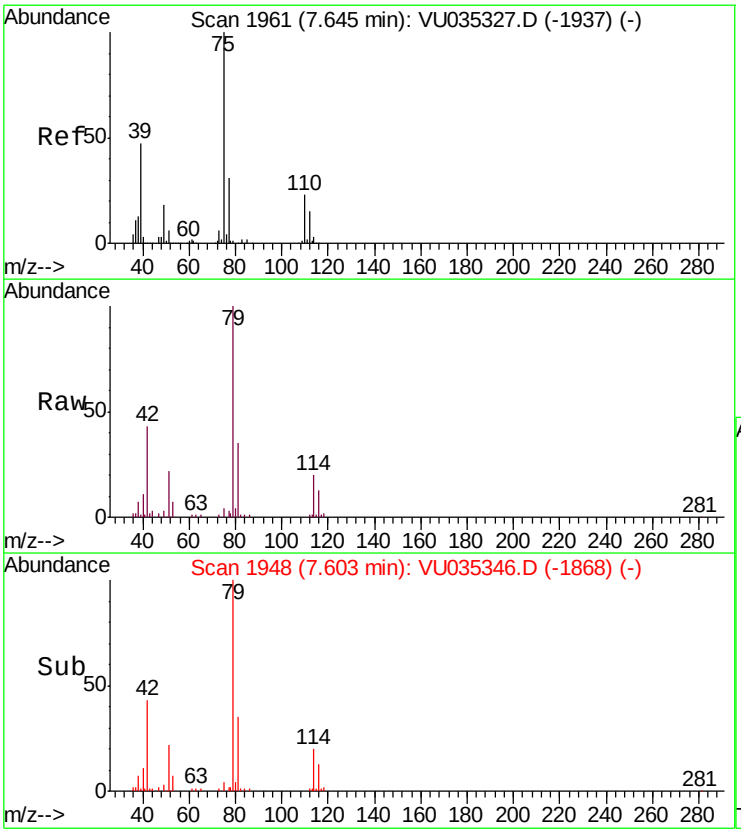

#35
Methylcyclohexane
Concen: 0.811 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0K31

Tgt Ion: 83 Resp: 28877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.6 | 60.4 | 90.6# |
| 98 | 1.0 | 39.5 | 59.3# |

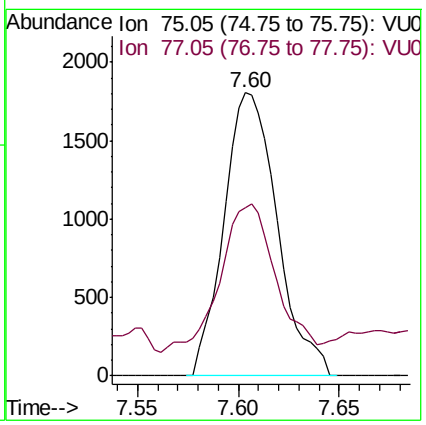


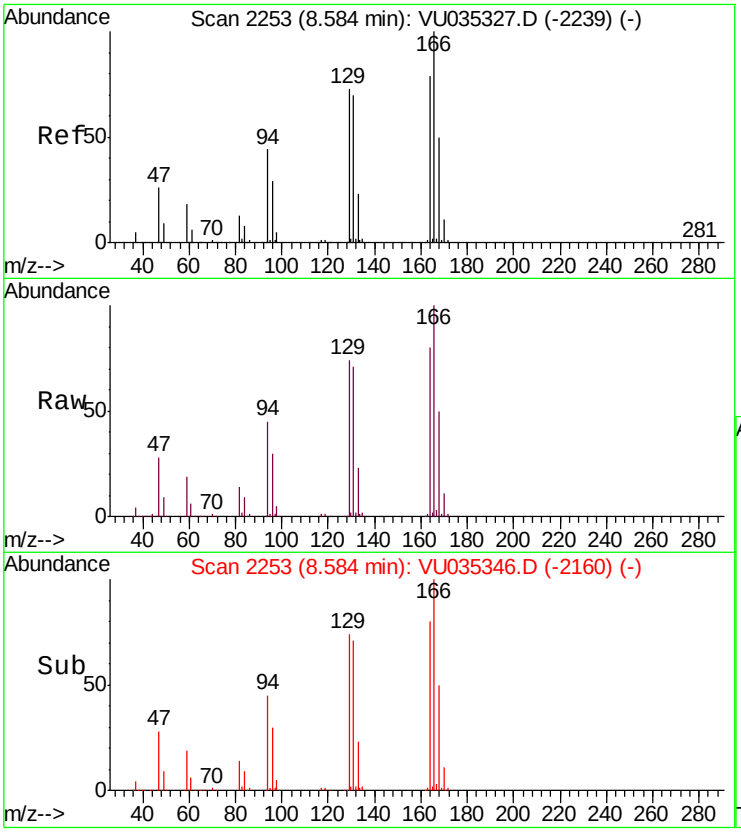




#39
cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 75 Resp: 3334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 59.4 | 22.7 | 42.1# |



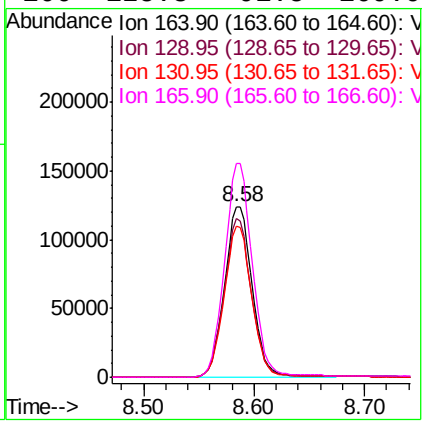


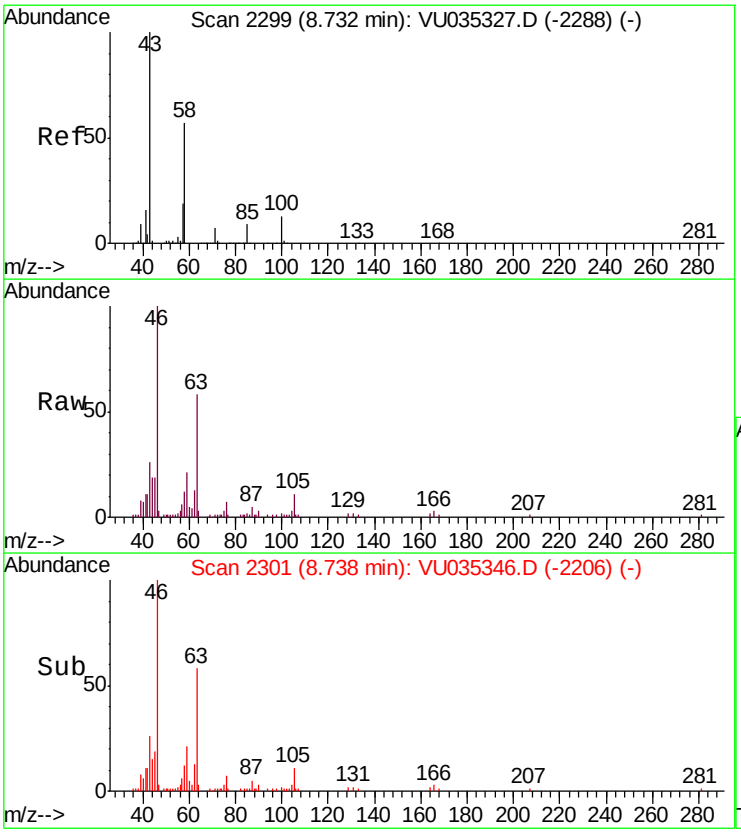

#47
Tetrachloroethene
Concen: 12.204 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :** MSVOA_U
**ClientSampleId :** C0K31

Tgt Ion:164 Resp: 216636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.0 | 65.2 | 121.0 |
| 131 | 88.9 | 62.9 | 116.9 |
| 166 | 125.3 | 91.5 | 169.9 |

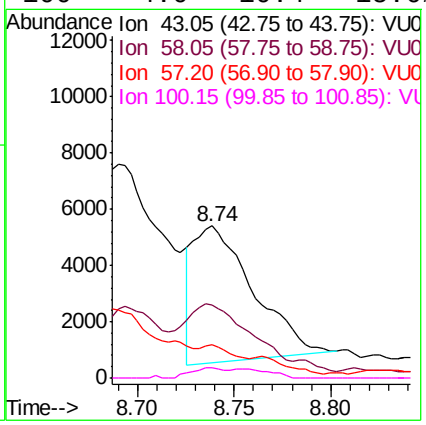


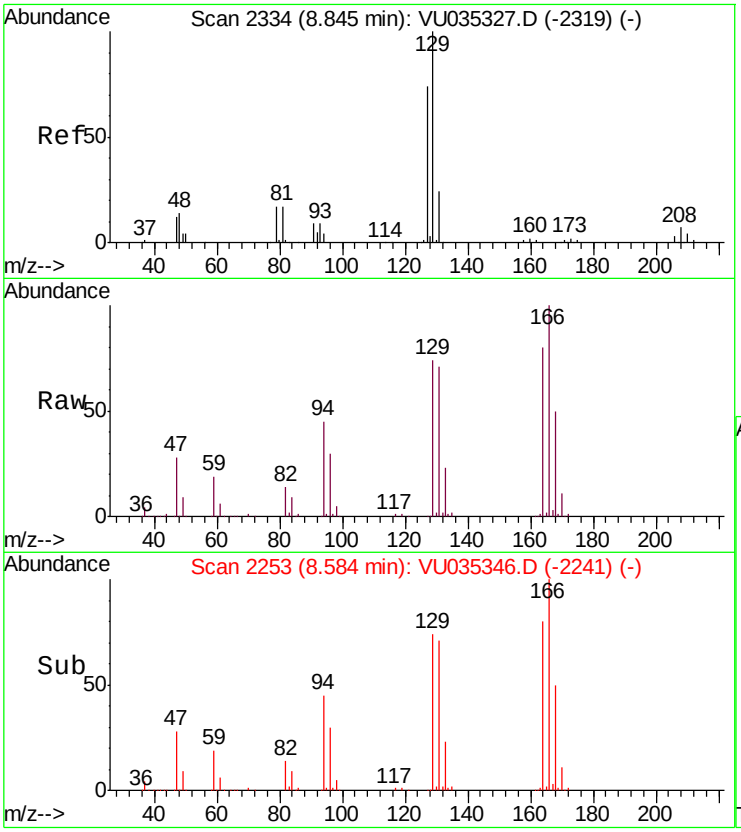




#48
2-Hexanone
Concen: 1.089 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 43 Resp: 10372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.8 | 45.1 | 67.7 |
| 57 | 4.8 | 16.0 | 24.0# |
| 100 | 4.0 | 10.4 | 15.6# |



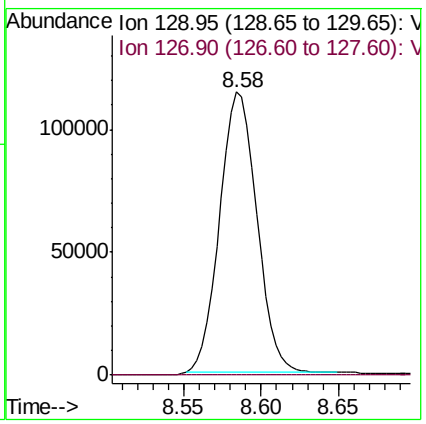


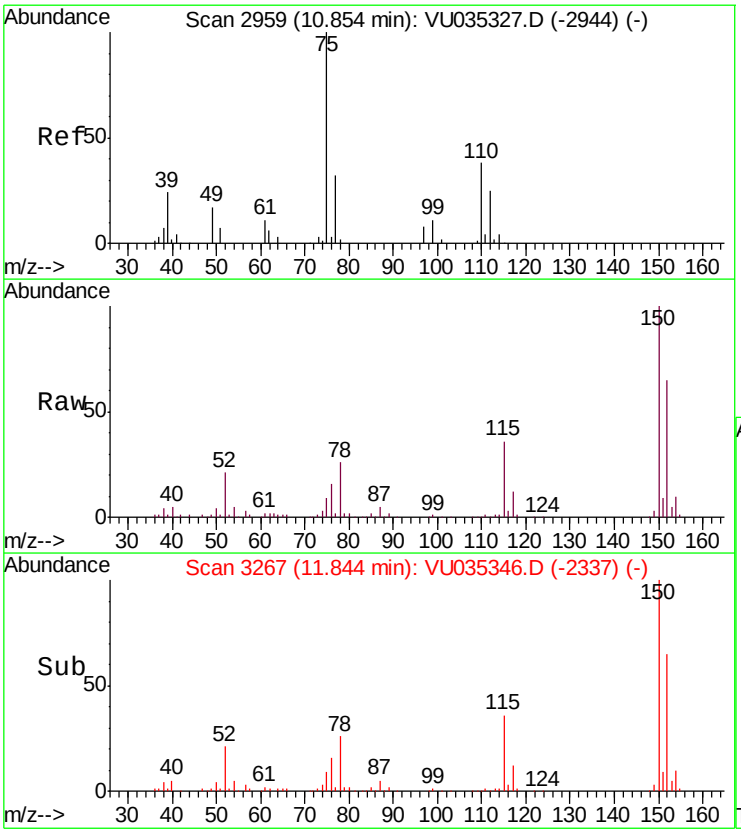

#49
Dibromochloromethane
Concen: 10.081 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

**Instrument :** MSVOA_U
**ClientSampleId :** C0K31

Tgt Ion:129 Resp: 190894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.1 | 53.8 | 99.8# |




#59
1,2,3-Trichloropropane
Concen: 0.850 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035346.D
Acq: 22 Oct 2019 01:52

Tgt Ion: 75 Resp: 11915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 26.2 | 39.2 |