Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041019\
Data File : VU030985.D
Acq On : 10 Apr 2019 03:32
Operator : JC/SP
Sample : K2248-17DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** E3YD2DL

Quant Time: Apr 10 04:36:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 10 04:30:45 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 211205 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 214533 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 82913 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 62731 | 3.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 77.80% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 61940 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 101656 | 3.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 61.60% | | | |
| 20) 2-Butanone-d5 | 4.19 | 46 | 255247 | 61.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 122.74% | | | |
| 24) Chloroform-d | 4.64 | 84 | 114277 | 4.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 83.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 79305 | 5.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 109.20% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 234152 | 4.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 87754 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.60% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 174256 | 3.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 69.20%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 26036 | 3.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 74.00% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 147379 | 48.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 96.32% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 75530 | 5.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 111.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 68210 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 85231 | 3.373 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 2998 | 0.195 | ug/L # | 1 |
| 16) Methylene chloride | 2.69 | 84 | 3458 | 0.192 | ug/L | 94 |
| 18) trans-1,2-Dichloroethene | 2.97 | 96 | 2133 | 0.131 | ug/L | 86 |
| 19) 1,1-Dichloroethane | 3.44 | 63 | 253535 | 7.367 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96 | 154602 | 8.911 | ug/L | 98 |
| 25) Chloroform | 4.67 | 83 | 21586 | 0.688 | ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.91 | 97 | 45032 | 1.648 | ug/L | 98 |
| 31) Carbon tetrachloride | 4.91 | 117 | 5708 | 0.249 | ug/L | 97 |
| 35) Methylcyclohexane | 6.32 | 83 | 18506 | 0.638 | ug/L # | 14 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 9706 | 0.486 | ug/L # | 91 |
| 48) 2-Hexanone | 8.37 | 43 | 12889 | 1.493 | ug/L # | 92 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 10626 | 0.952 | ug/L # | 88 |

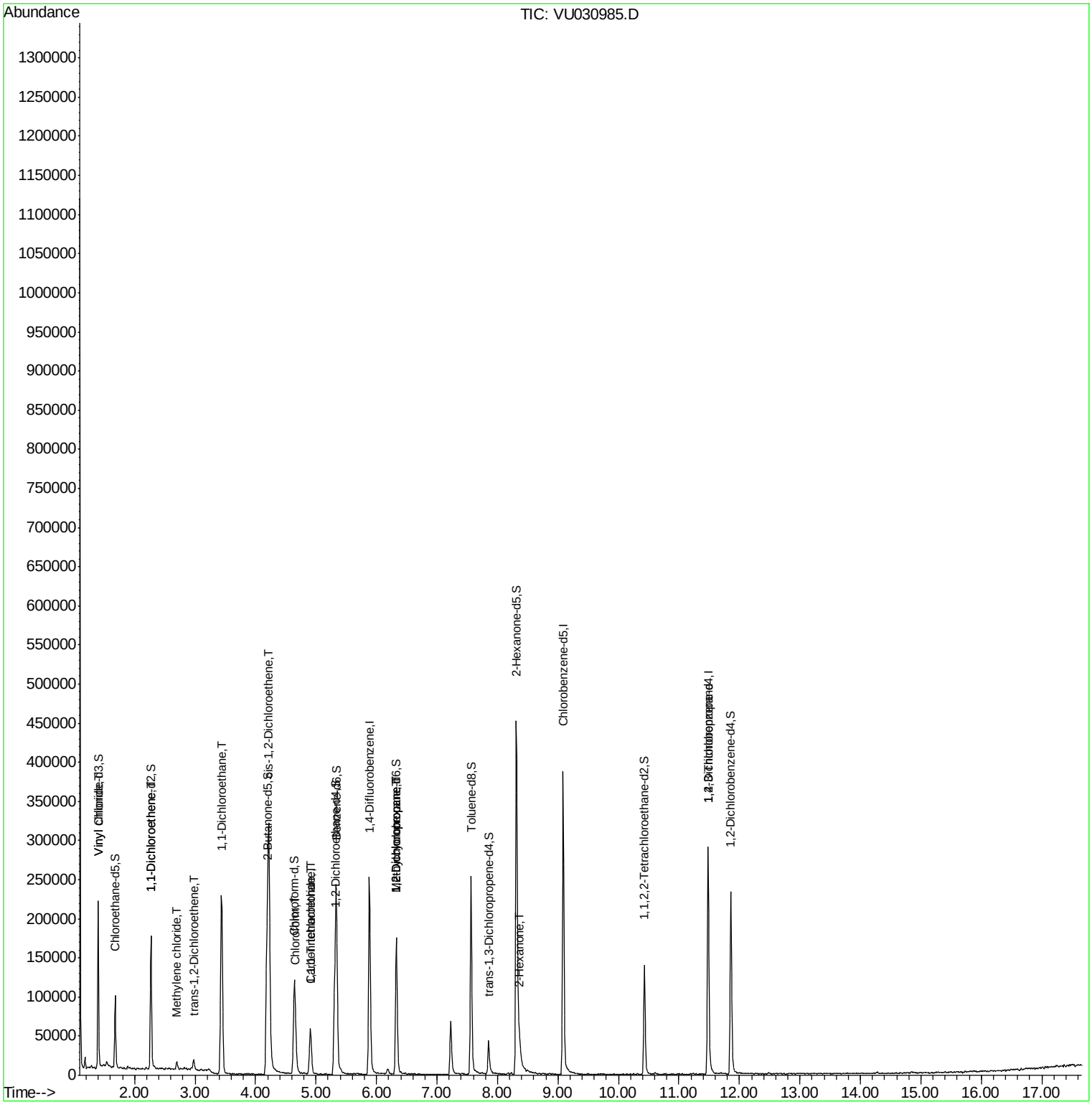
(#) = qualifier out of range (m) = manual integration (+) = signals summed

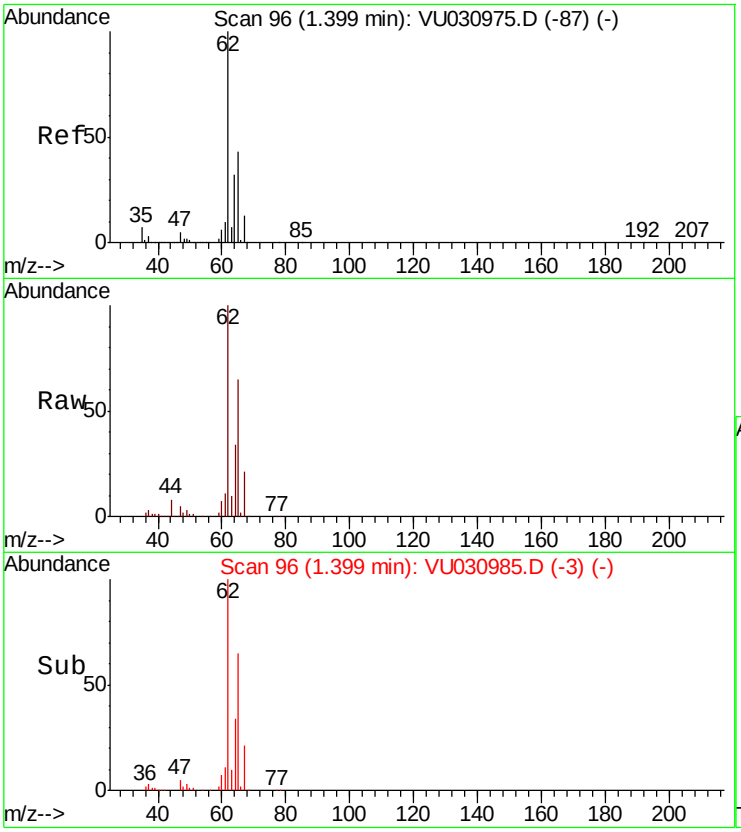
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041019\
Data File : VU030985.D
Acq On : 10 Apr 2019 03:32
Operator : JC/SP
Sample : K2248-17DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** E3YD2DL

Quant Time: Apr 10 04:36:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 10 04:30:45 2019
Response via : Initial Calibration



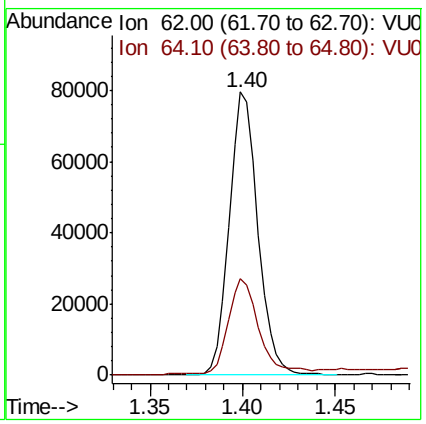


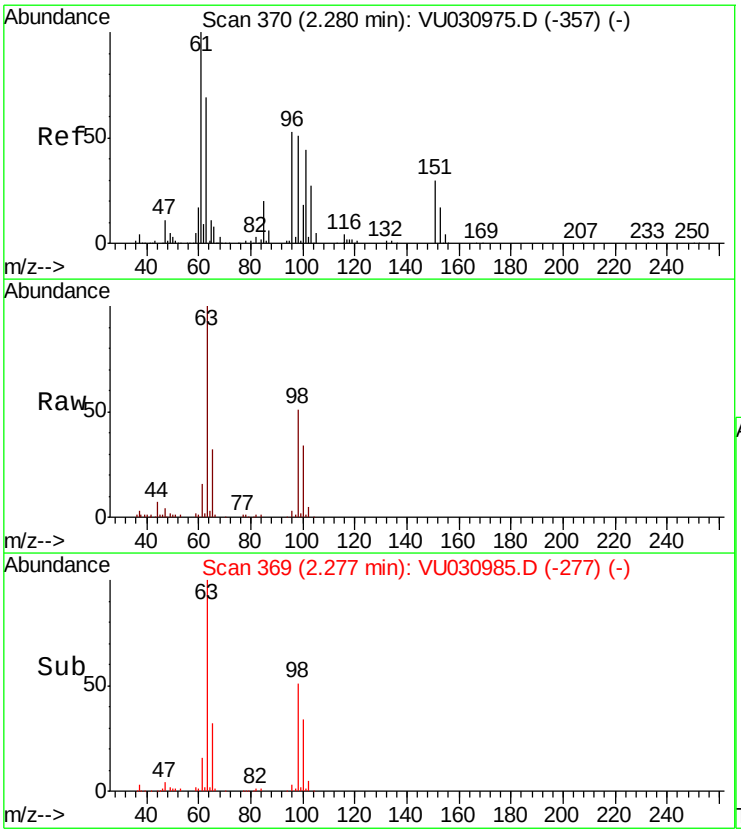

#5
Vinyl chloride
Concen: 3.373 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :** MSVOA_U
**ClientSampleId :** E3YD2DL

Tgt Ion: 62 Resp: 85231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 22.5 | 41.9 |

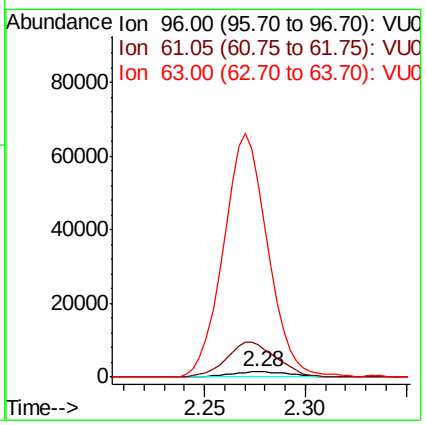


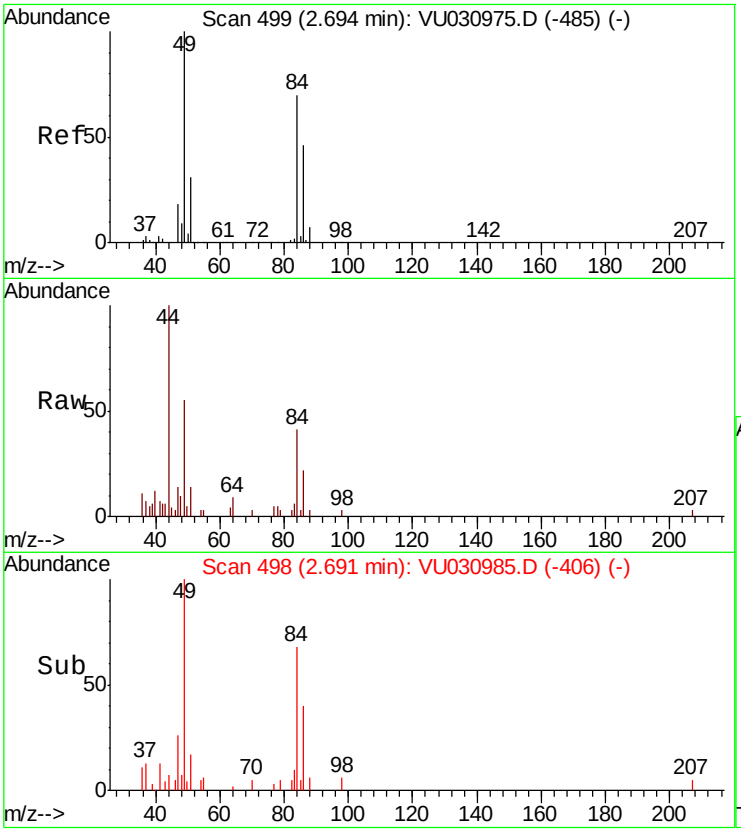




#12
1,1-Dichloroethene
Concen: 0.195 ug/L
RT: 2.28 min Scan# 369
Delta R.T. -0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 96 Resp: 2998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 587.6 | 136.9 | 254.3# |
| 63 | 3591.3 | 107.7 | 200.1# |



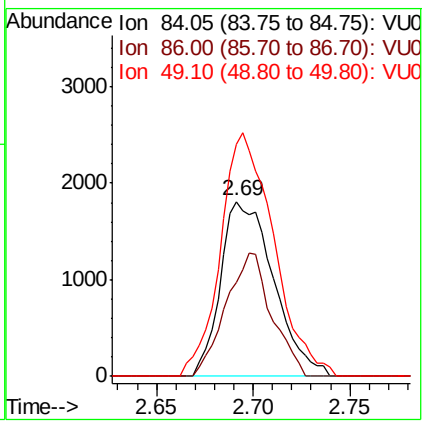


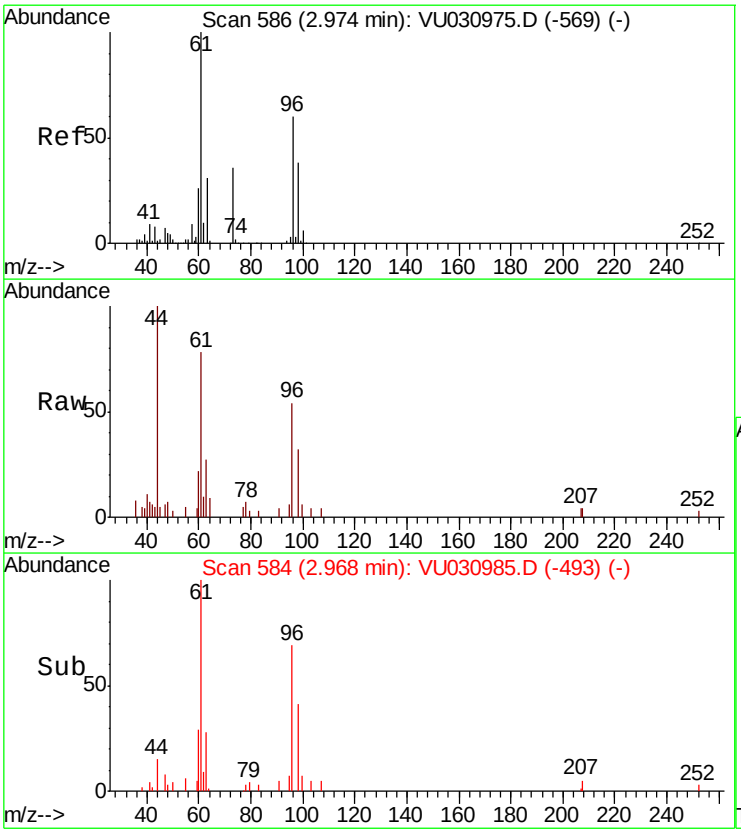

#16
Methylene chloride
Concen: 0.192 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :** MSVOA_U
**ClientSampleId :** E3YD2DL

Tgt Ion: 84 Resp: 3458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 53.7 | 43.4 | 80.6 |
| 49 | 144.8 | 98.5 | 182.9 |

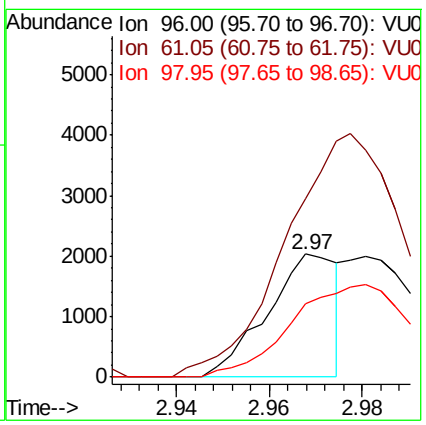


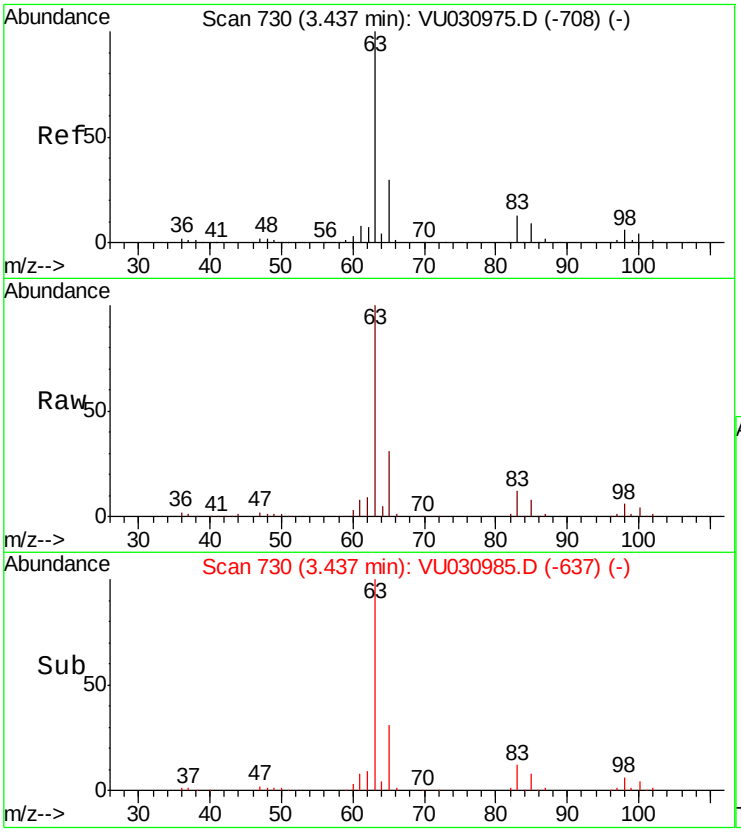




#18
trans-1,2-Dichloroethene
Concen: 0.131 ug/L
RT: 2.97 min Scan# 584
Delta R.T. -0.01 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 96 Resp: 2133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 116.8 | 216.8 |
| 98 | 59.4 | 46.8 | 87.0 |



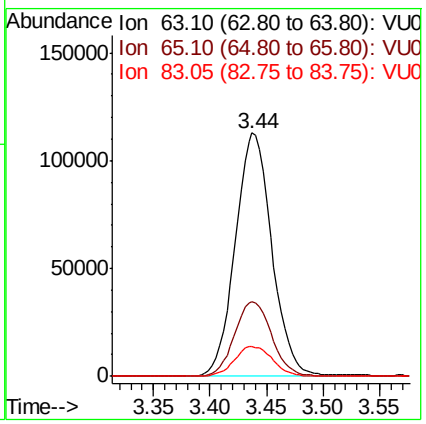


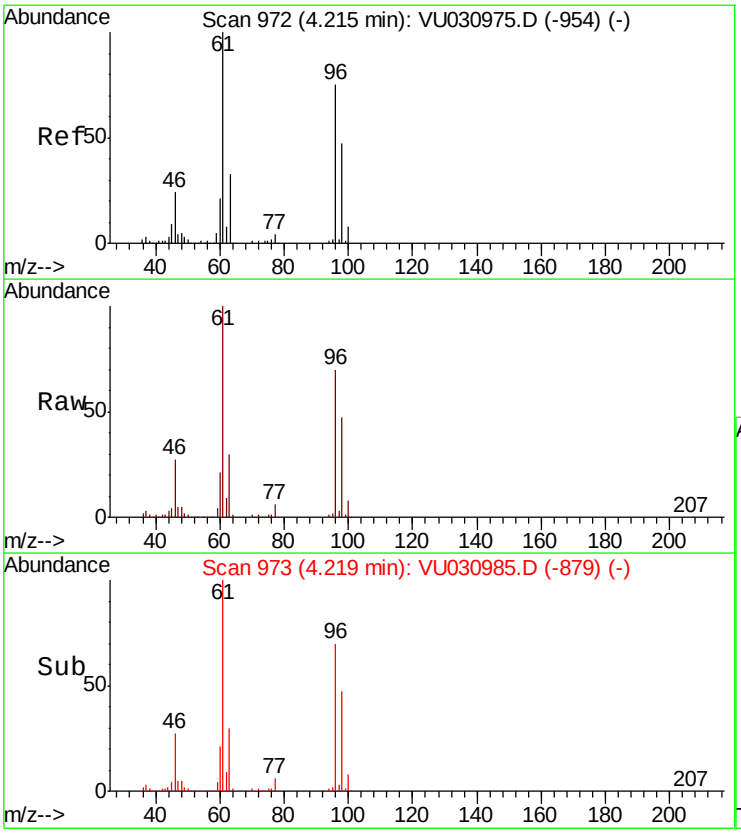

#19
1,1-Dichloroethane
Concen: 7.367 ug/L
RT: 3.44 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
E3YD2DL

Tgt Ion: 63 Resp: 253535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 21.6 | 40.0 |
| 83 | 12.1 | 9.1 | 16.9 |

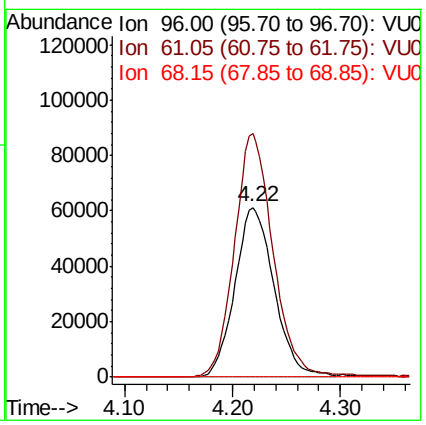


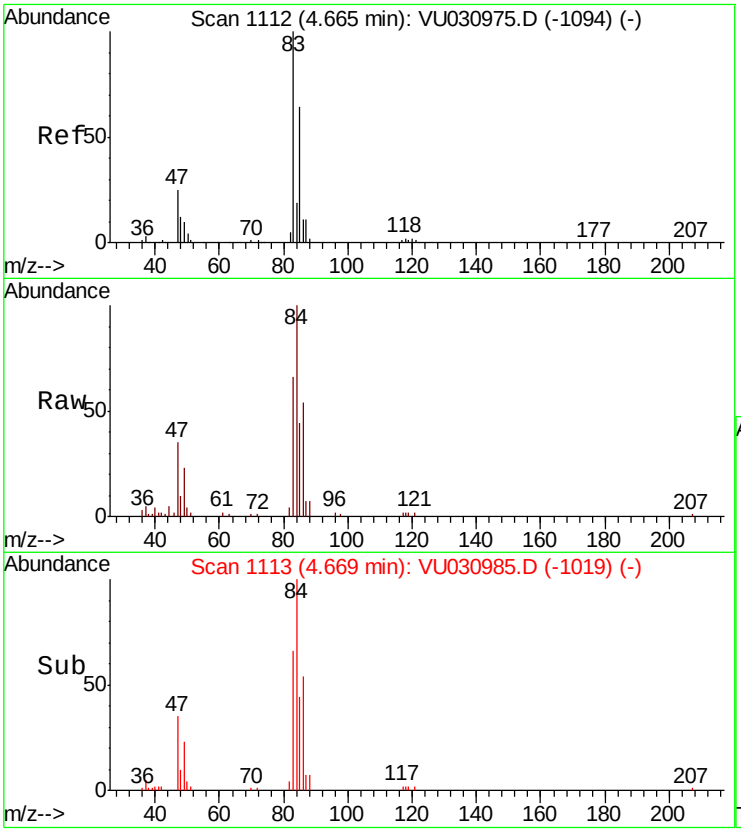




#22
cis-1,2-Dichloroethene
Concen: 8.911 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 96 Resp: 154602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.6 | 98.9 | 183.7 |
| 68 | 0.0 | 0.0 | 0.0 |



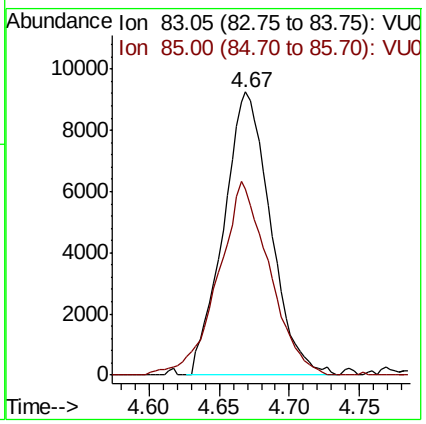


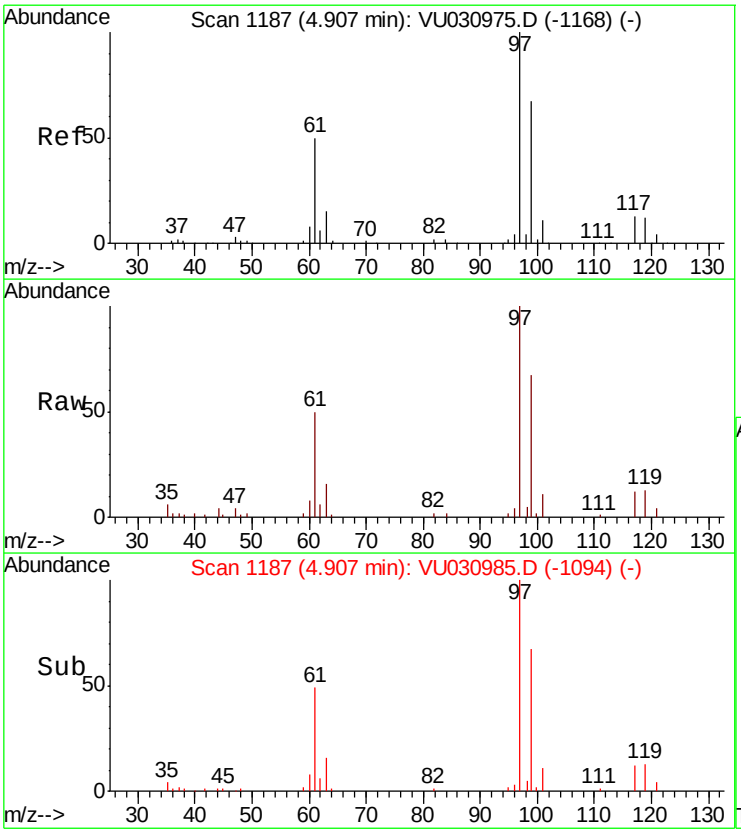

#25
Chloroform
Concen: 0.688 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
E3YD2DL

Tgt Ion: 83 Resp: 21586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 44.2 | 82.2 |

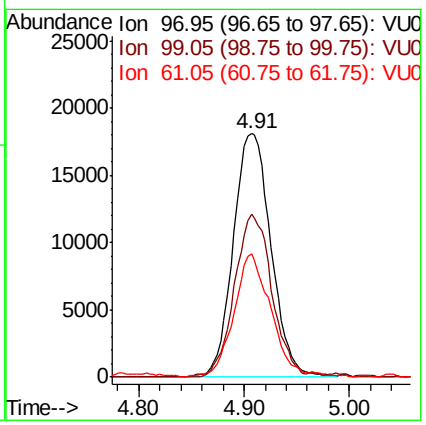


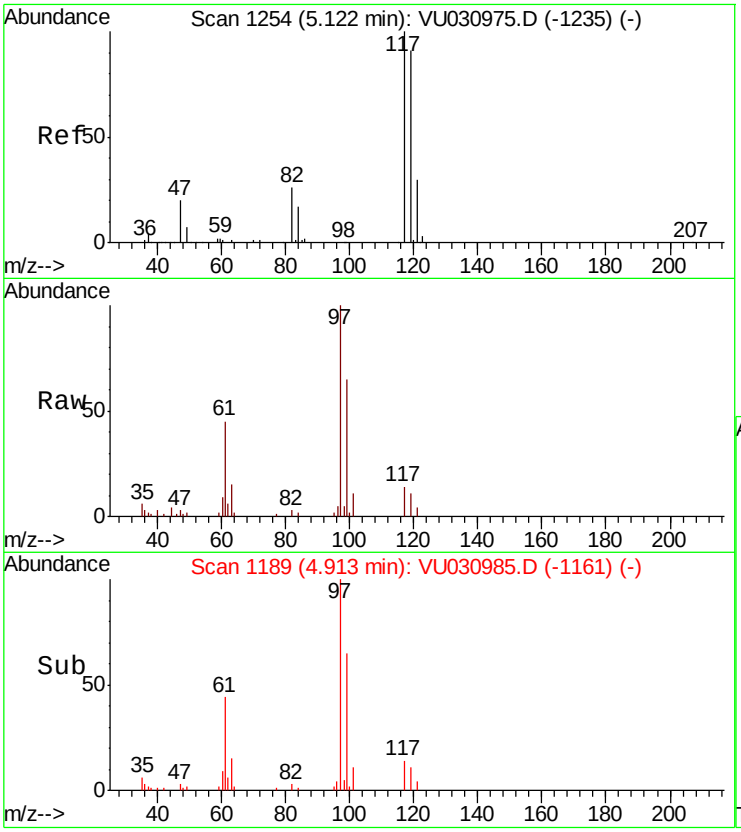




#29
1,1,1-Trichloroethane
Concen: 1.648 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 97 Resp: 45032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.8 | 51.8 | 77.6 |
| 61 | 49.1 | 38.1 | 57.1 |



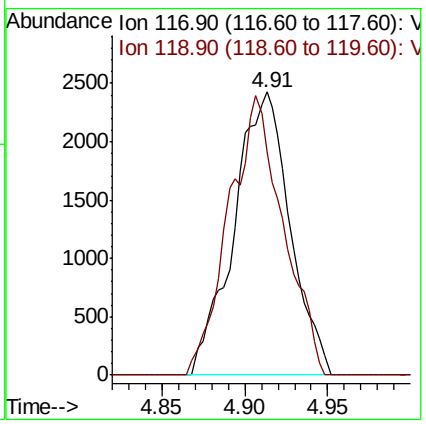


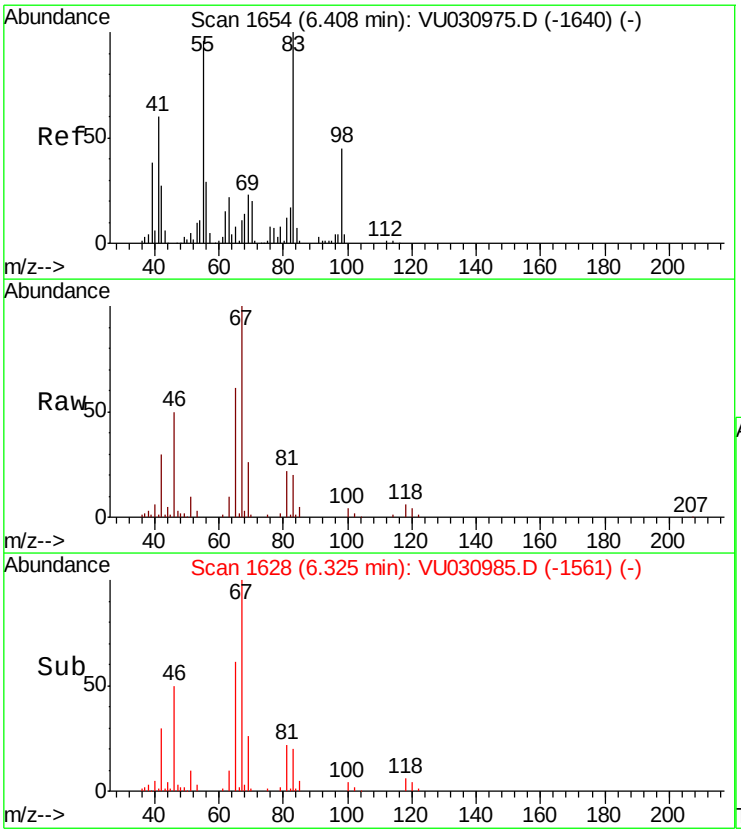

#31
Carbon tetrachloride
Concen: 0.249 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.21 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
E3YD2DL

Tgt Ion:117 Resp: 5708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 73.7 | 110.5 |

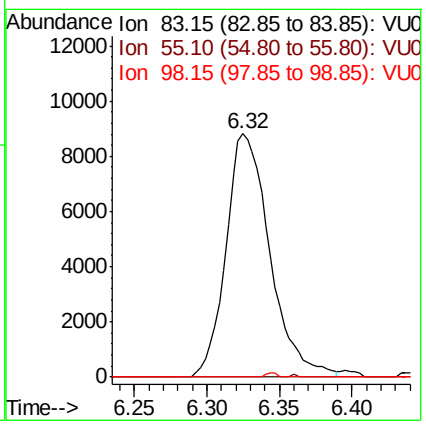


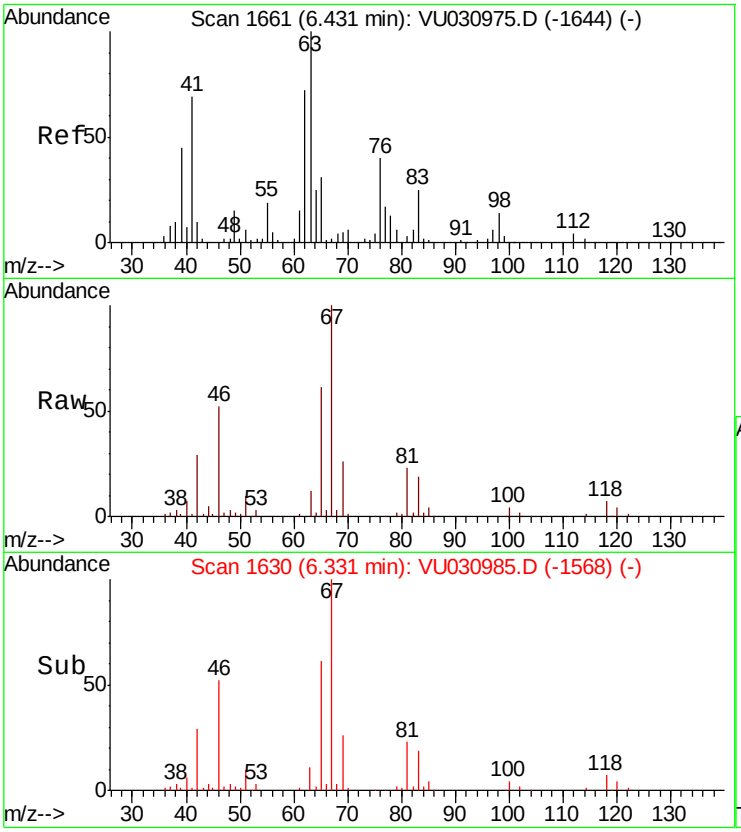




#35
Methylcyclohexane
Concen: 0.638 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 83 Resp: 18506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.1 | 72.6 | 108.8# |
| 98 | 0.4 | 35.0 | 52.6# |



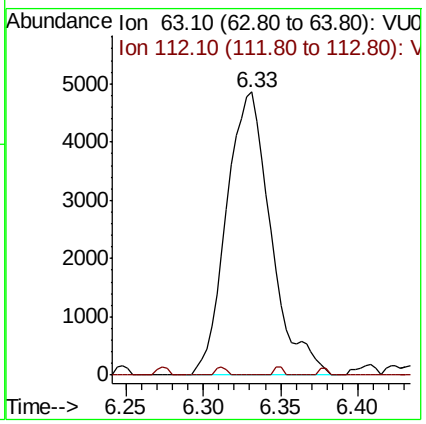


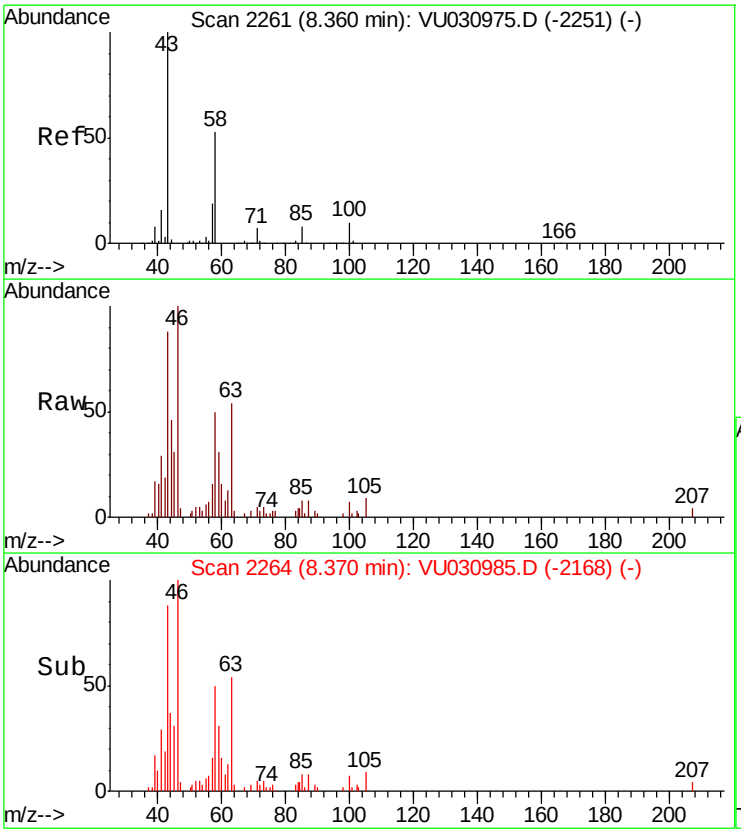

#37
1,2-Dichloropropane
Concen: 0.486 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :** MSVOA_U
**ClientSampleId :** E3YD2DL

Tgt Ion: 63 Resp: 9706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.5 | 2.8 | 4.2# |

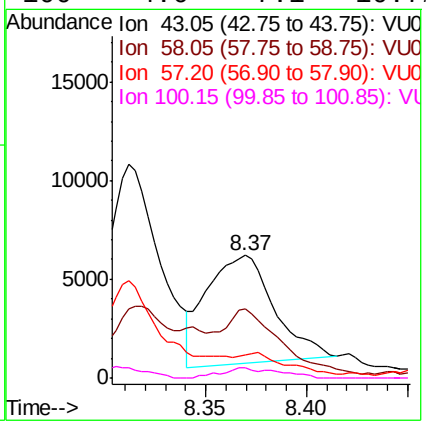


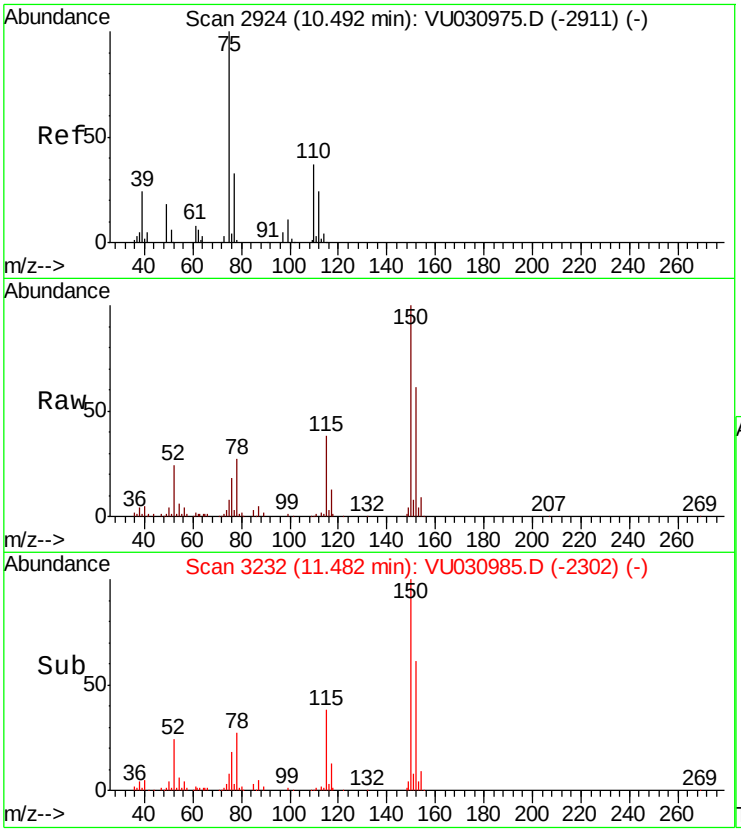




#48
2-Hexanone
Concen: 1.493 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

Tgt Ion: 43 Resp: 12889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.8 | 42.5 | 63.7 |
| 57 | 12.0 | 13.9 | 20.9# |
| 100 | 4.6 | 7.1 | 10.7# |






#59
1,2,3-Trichloropropane
Concen: 0.952 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030985.D
Acq: 10 Apr 2019 03:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
E3YD2DL

Tgt Ion: 75 Resp: 10626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.5 | 25.6 | 38.4# |