Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\

Quantitation Report (Not Reviewed)

Data File : VU030505.D
Acq On : 27 Mar 2019 23:50
Operator : JC/SP
Sample : K2120-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF5D9

Quant Time: Mar 28 02:51:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 415391 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 390212 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 150258 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 153776 | 46.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 92.00% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 120446 | 45.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 90.92% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 213621 | 33.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 67.38% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 258172 | 82.15 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 82.15% | | | |
| 24) Chloroform-d | 4.64 | 84 | 250314 | 43.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 170270 | 45.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.36% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 515768 | 46.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.18% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 180065 | 47.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 94.06% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 445736 | 44.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 88.70% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 76472 | 42.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 84.96% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 161092 | 77.65 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 77.65% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 236264 | 43.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 86.24% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 142257 | 47.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.50% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 8) Chloroethane | 1.61 | 64 | 9881 | 3.601 | ug/L # | 52 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 1816 | 0.599 | ug/L # | 21 |
| 13) Acetone | 2.32 | 43 | 6087 | 1.915 | ug/L | 95 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 5067 | 1.449 | ug/L | 92 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 4019 | 0.742 | ug/L # | 61 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 3104 | 0.651 | ug/L | 95 |
| 48) 2-Hexanone | 8.36 | 43 | 5962 | 1.149 | ug/L # | 48 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 19956 | 4.349 | ug/L | 90 |

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

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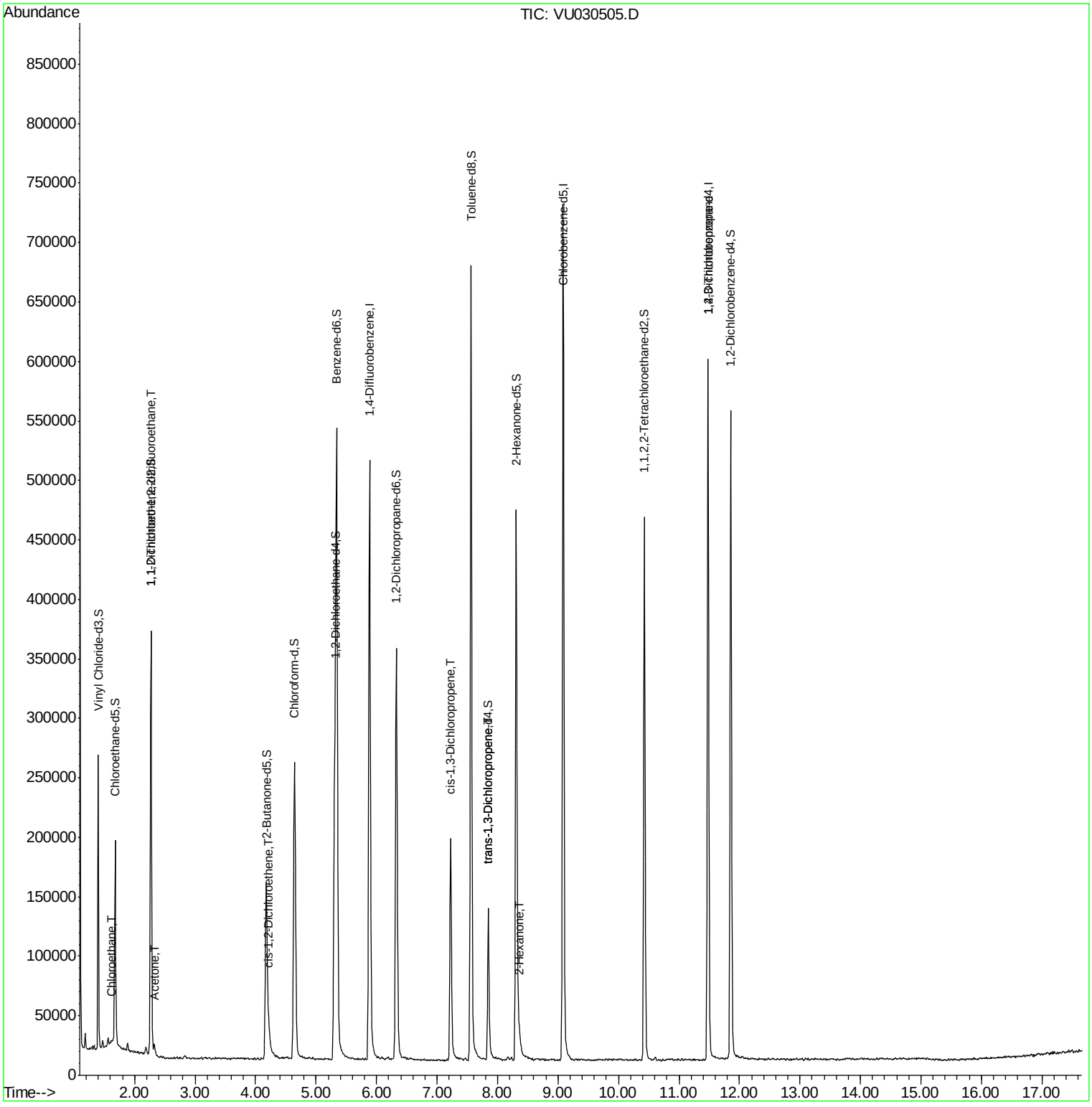
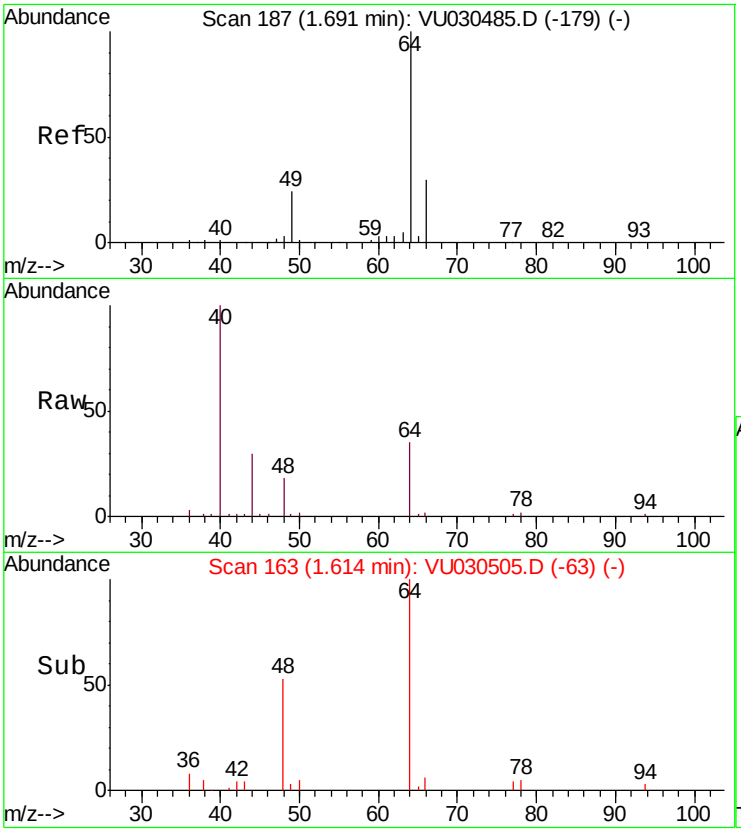
Operator : JC/SP
Sample : K2120-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF5D9

Quant Time: Mar 28 02:51:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration



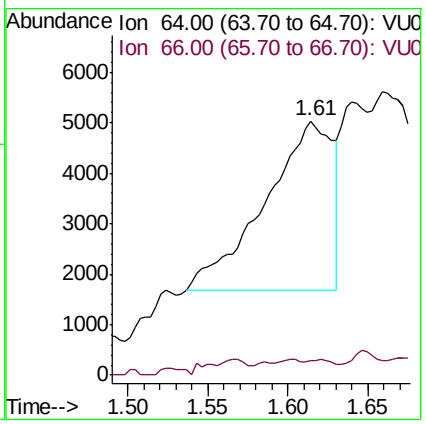


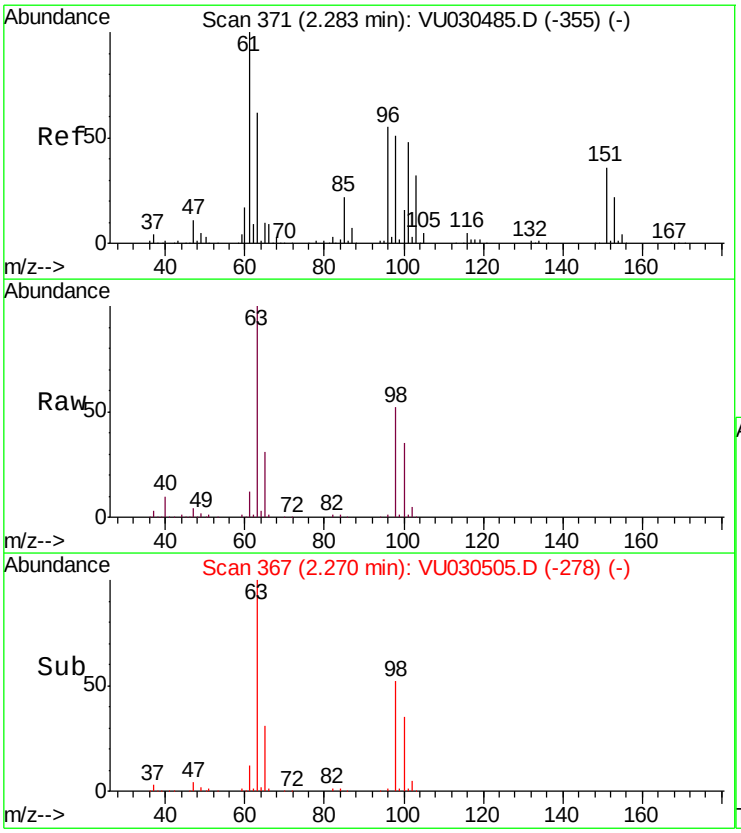

#8
Chloroethane
Concen: 3.601 ug/L
RT: 1.61 min Scan# 163
Delta R.T. -0.08 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF5D9

Tgt Ion: 64 Resp: 9881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 5.5 | 22.5 | 41.7# |

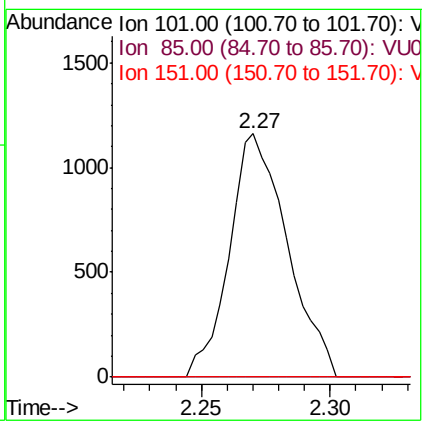


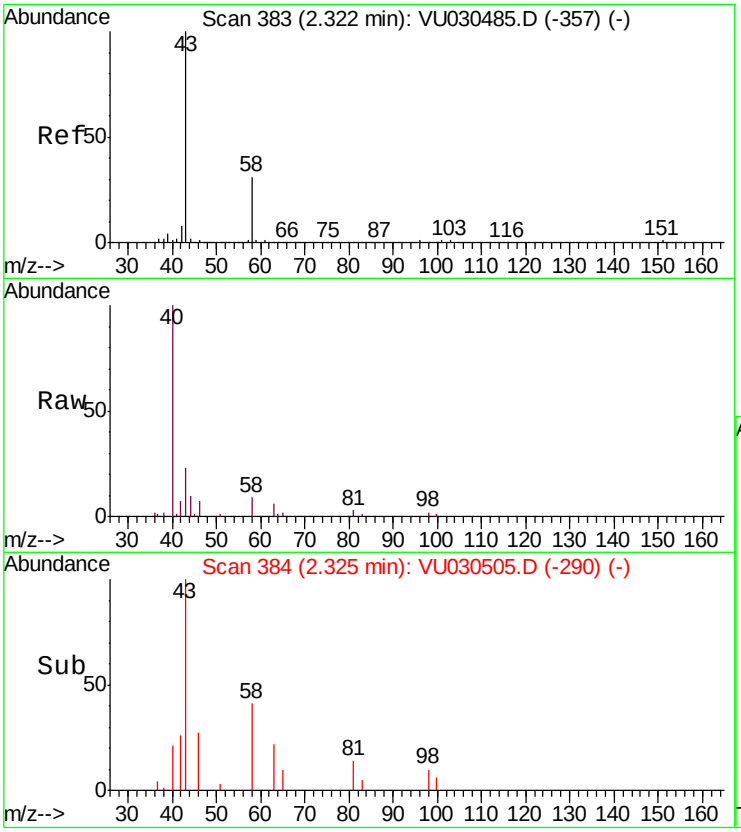




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.599 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

Tgt Ion:101 Resp: 1816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 34.8 | 52.2# |
| 151 | 0.0 | 56.6 | 85.0# |



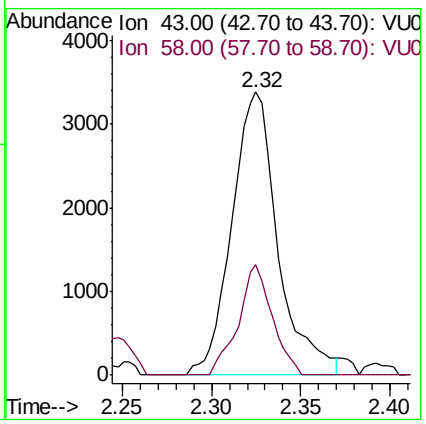


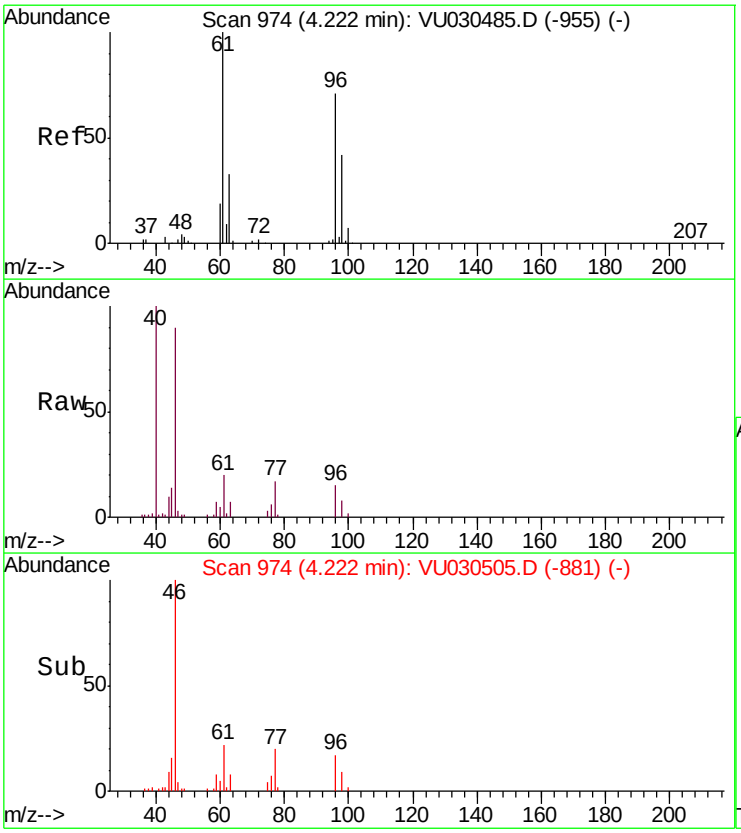

#13
Acetone
Concen: 1.915 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

**Instrument :** MSVOA_U
**ClientSampleId :** BF5D9

Tgt Ion: 43 Resp: 6087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 0.0 | 62.8 |

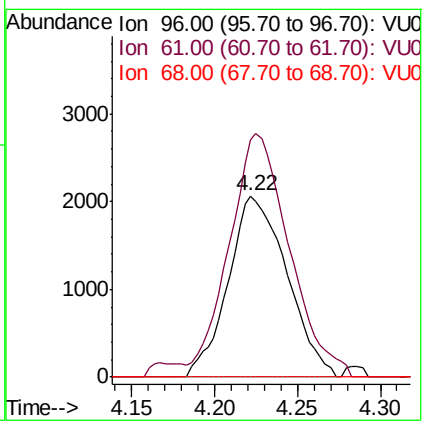


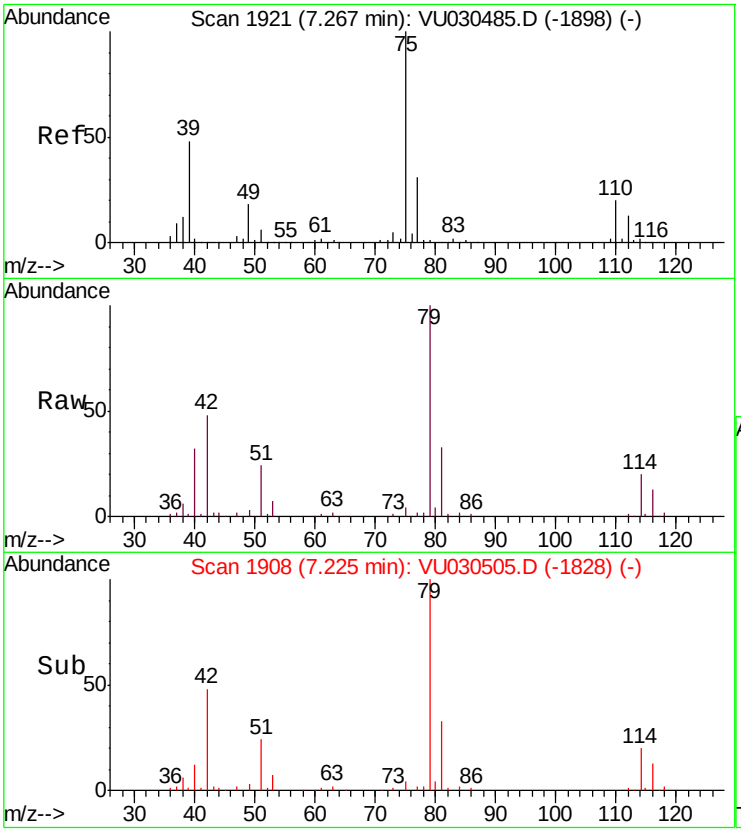




#20
cis-1,2-Dichloroethene
Concen: 1.449 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

Tgt Ion: 96 Resp: 5067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.4 | 98.4 | 182.8 |
| 68 | 0.0 | 0.0 | 0.0 |



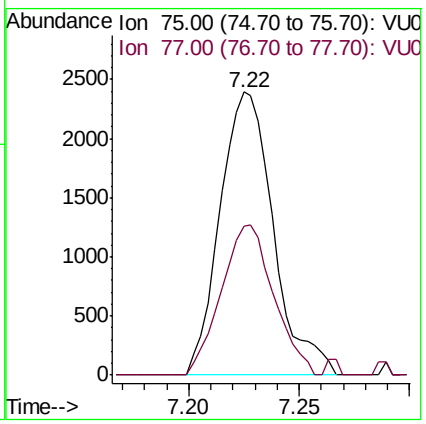


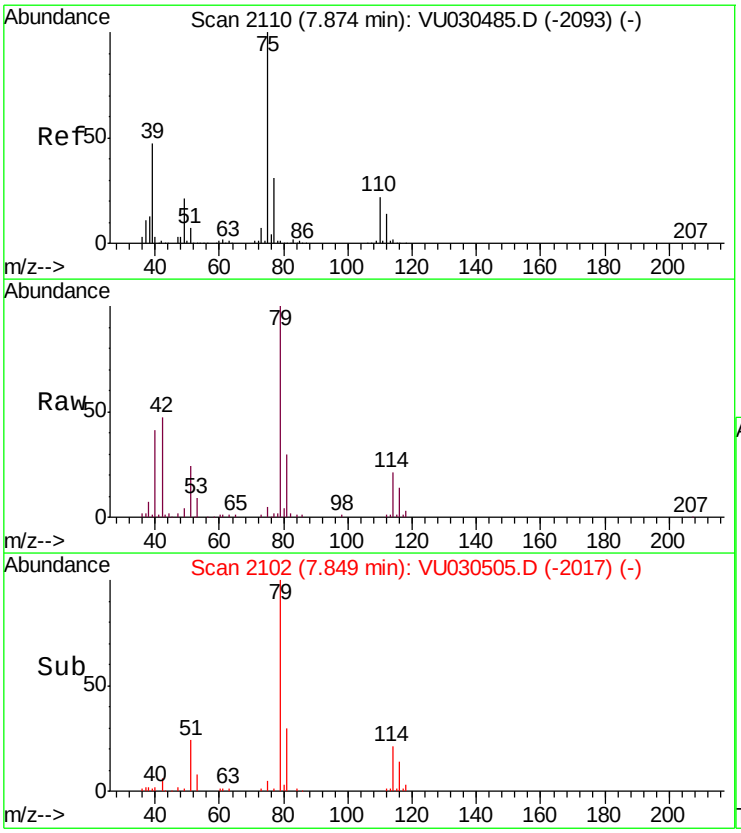

#39
cis-1,3-Dichloropropene
Concen: 0.742 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF5D9

Tgt Ion: 75 Resp: 4019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 52.7 | 21.8 | 40.6# |

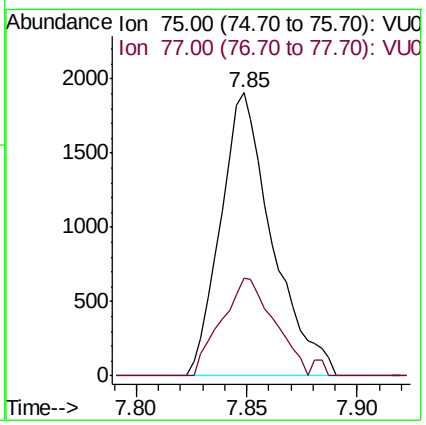


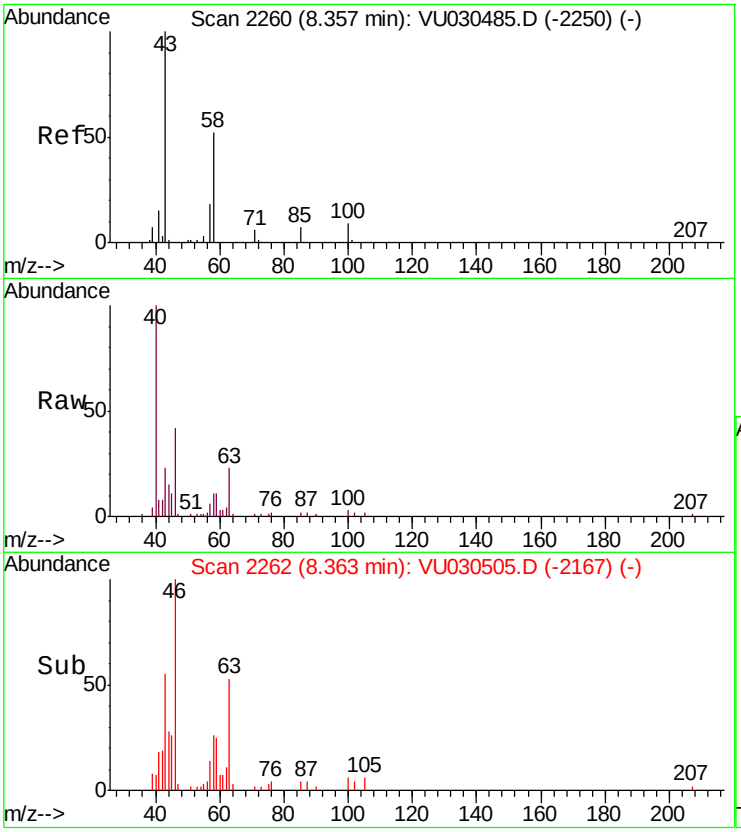




#44
trans-1,3-Dichloropropene
Concen: 0.651 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

Tgt Ion: 75 Resp: 3104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.3 | 22.0 | 40.8 |



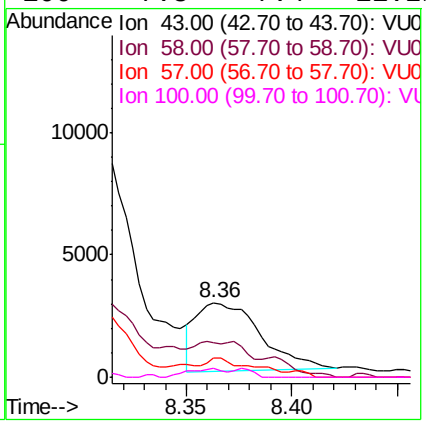


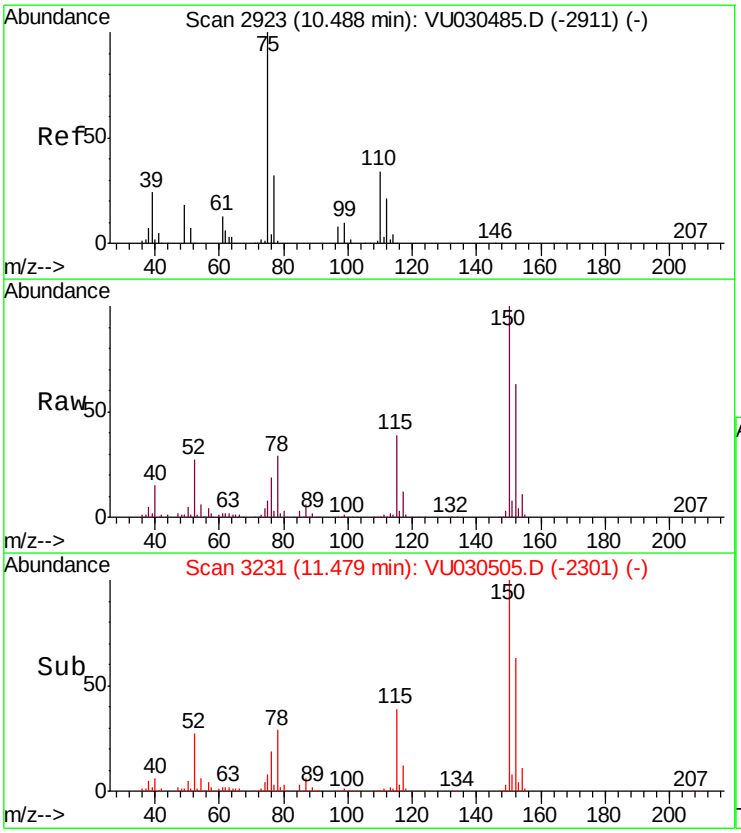

#48
2-Hexanone
Concen: 1.149 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

**Instrument :** MSVOA_U
**ClientSampleId :** BF5D9

Tgt Ion: 43 Resp: 5962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 4.0 | 42.5 | 63.7# |
| 57 | 6.0 | 15.0 | 22.6# |
| 100 | 7.3 | 7.4 | 11.2# |




#59
1,2,3-Trichloropropane
Concen: 4.349 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030505.D
Acq: 27 Mar 2019 23:50

Tgt Ion: 75 Resp: 19956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.5 | 25.4 | 38.2 |