Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101218\

Quantitation Report (Not Reviewed)

Data File : VU027640.D
Acq On : 12 Oct 2018 22:00
Operator : MD/SY
Sample : J5405-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Y0

Quant Time: Oct 13 04:11:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 13 04:07:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 161143 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 149325 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 56140 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 53152 | 41.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 83.82% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 43819 | 44.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 89.70% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.28 | 63 | 75576 | 31.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 63.54% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 108881 | 106.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 106.35% | | | |
| 24) Chloroform-d | 4.65 | 84 | 99052 | 48.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.66% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 69221 | 48.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.40% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 196170 | 45.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.68% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 71871 | 49.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 98.06% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 155552 | 40.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 81.32% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 28216 | 39.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 79.90% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 69111 | 93.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 93.35% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 92656 | 48.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 96.66% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 54501 | 49.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.24% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.32 | 43 | 3976 | 4.735 | ug/L | 92 |
| 35) Methylcyclohexane | 6.33 | 83 | 15331 | 7.477 | ug/L # | 15 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 7497 | 5.273 | ug/L # | 89 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 1624 | 0.777 | ug/L # | 53 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1195 | 0.616 | ug/L | 93 |
| 48) 2-Hexanone | 8.31 | 43 | 9606 | 5.844 | ug/L # | 69 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 7693 | 4.780 | ug/L | 96 |

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

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Quantitation Report (Not Reviewed)

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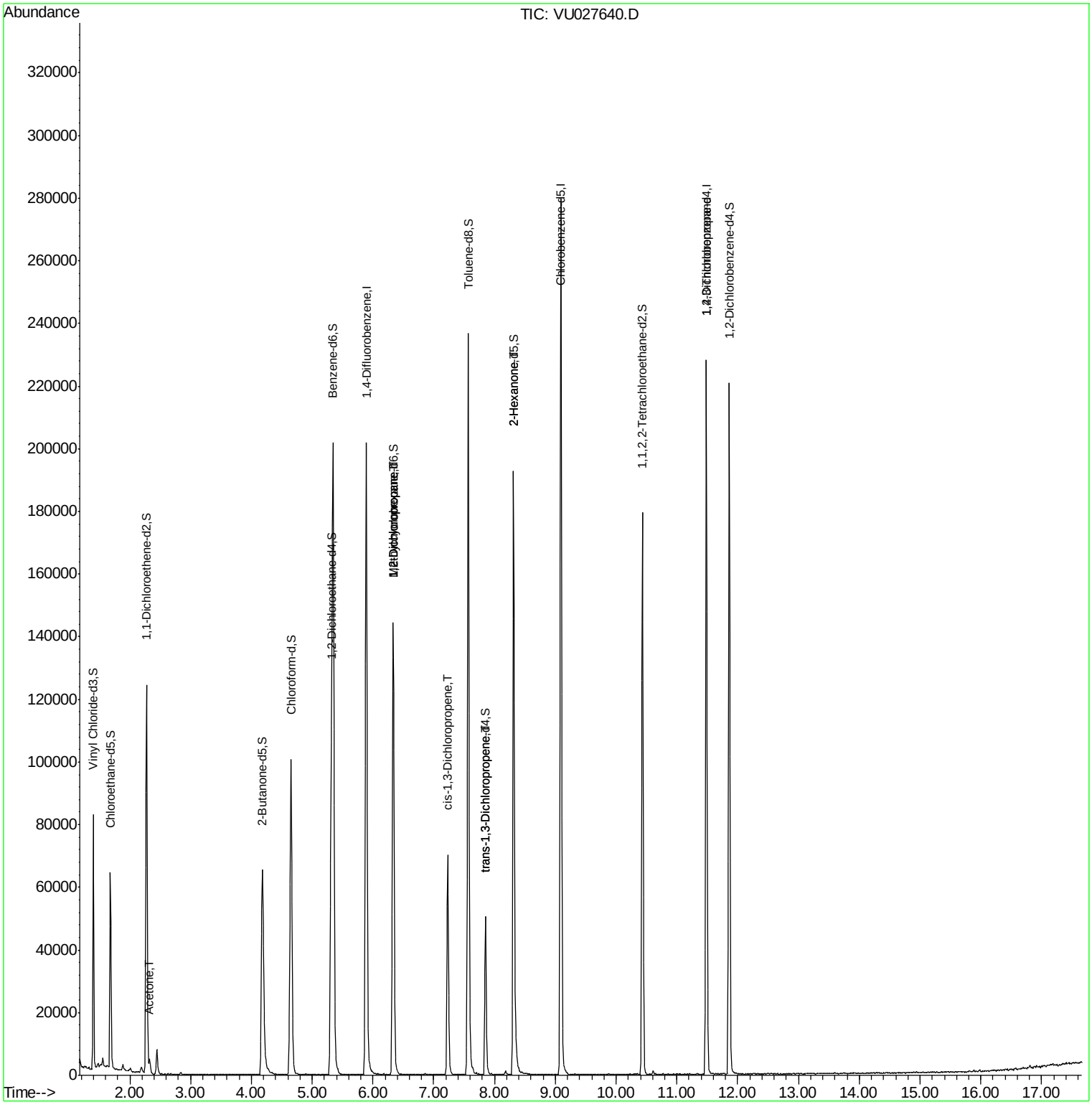
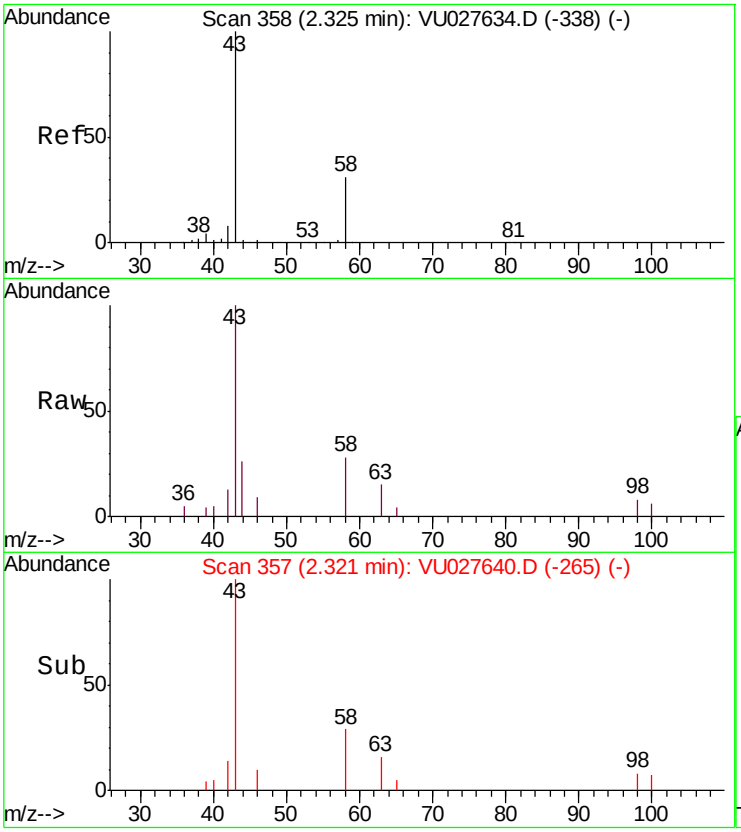
Acq On : 12 Oct 2018 22:00
Operator : MD/SY
Sample : J5405-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Y0

Quant Time: Oct 13 04:11:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 13 04:07:45 2018
Response via : Initial Calibration



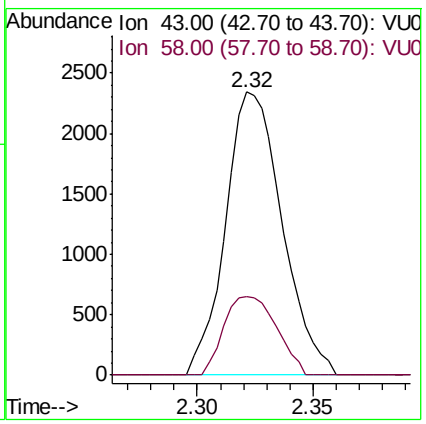


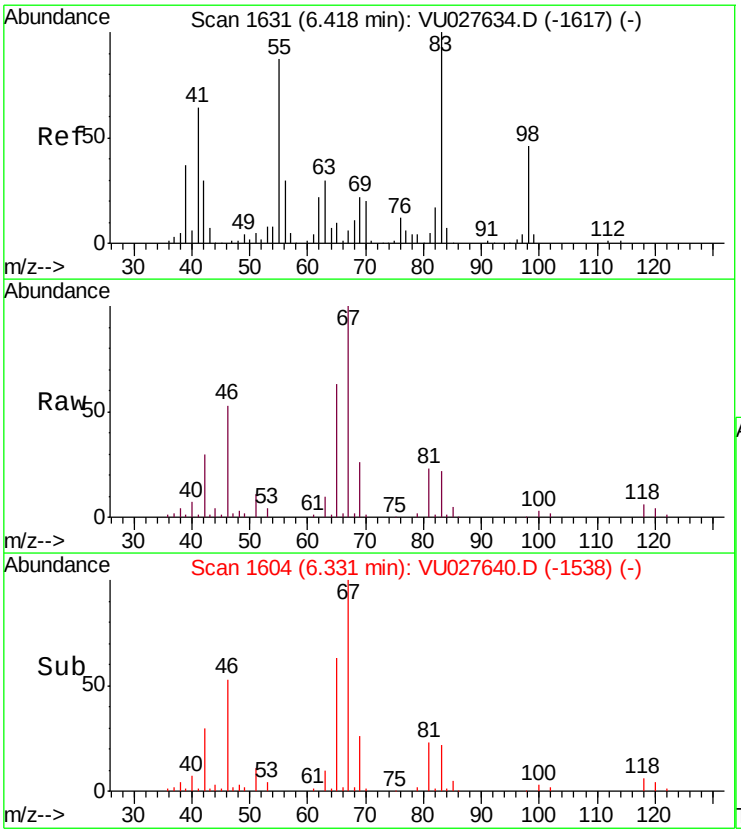

#13
Acetone
Concen: 4.735 ug/L
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

**Instrument :** MSVOA_U
**ClientSampleId :** C08Y0

Tgt Ion: 43 Resp: 3976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.0 | 0.0 | 60.8 |

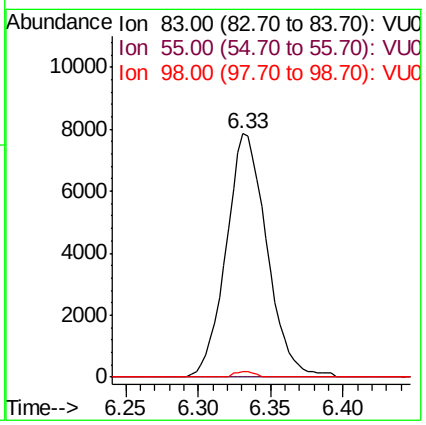


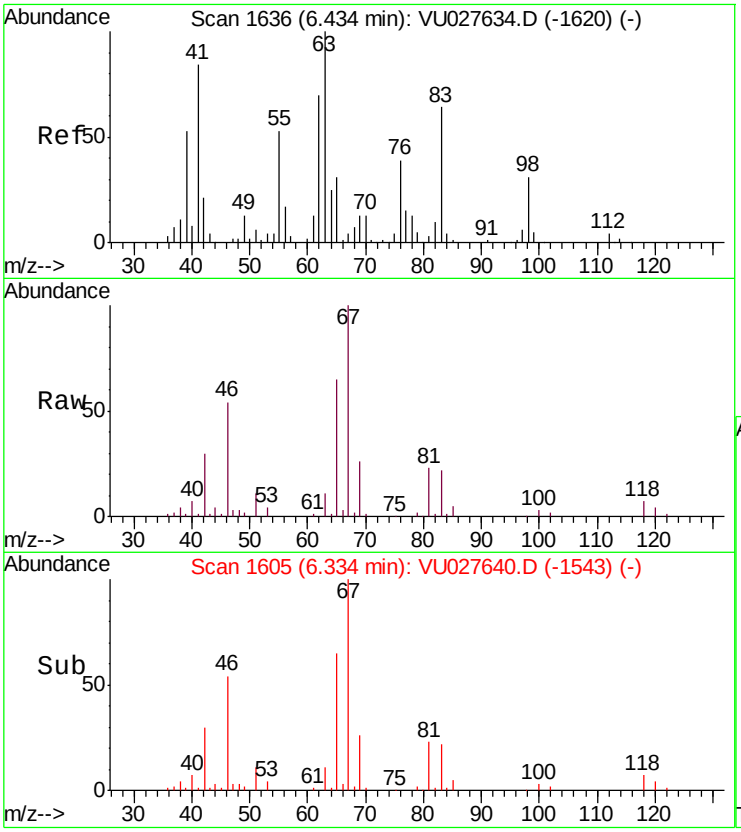




#35
Methylcyclohexane
Concen: 7.477 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

Tgt Ion: 83 Resp: 15331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 69.9 | 104.9# |
| 98 | 1.1 | 37.1 | 55.7# |



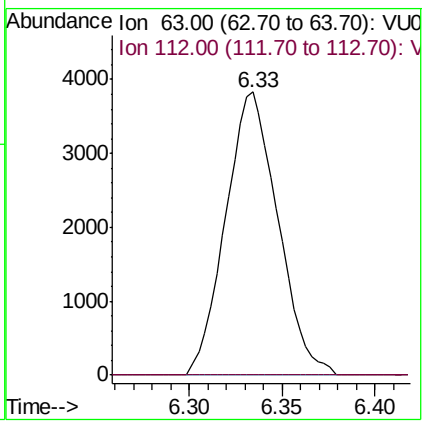


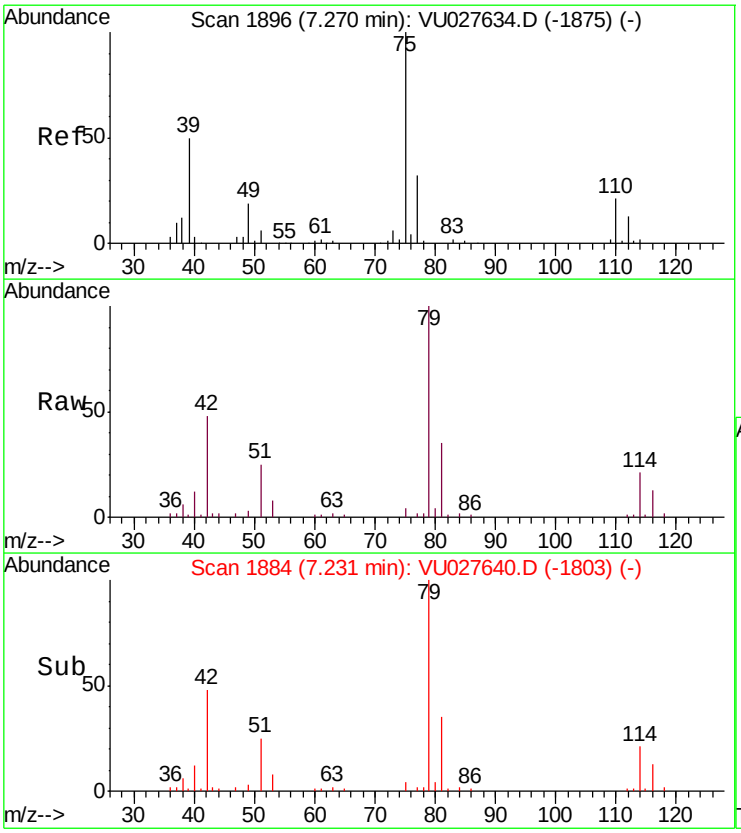

#37
1,2-Dichloropropane
Concen: 5.273 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

**Instrument :** MSVOA_U
**ClientSampleId :** C08Y0

Tgt Ion: 63 Resp: 7497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.9 | 4.3# |

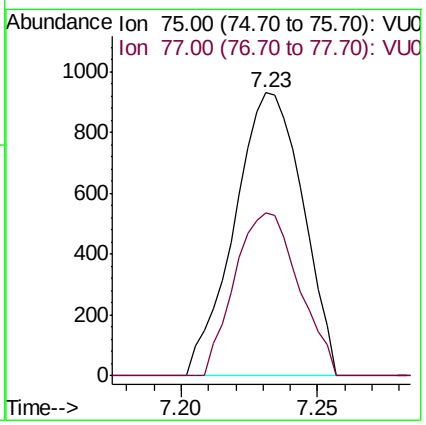


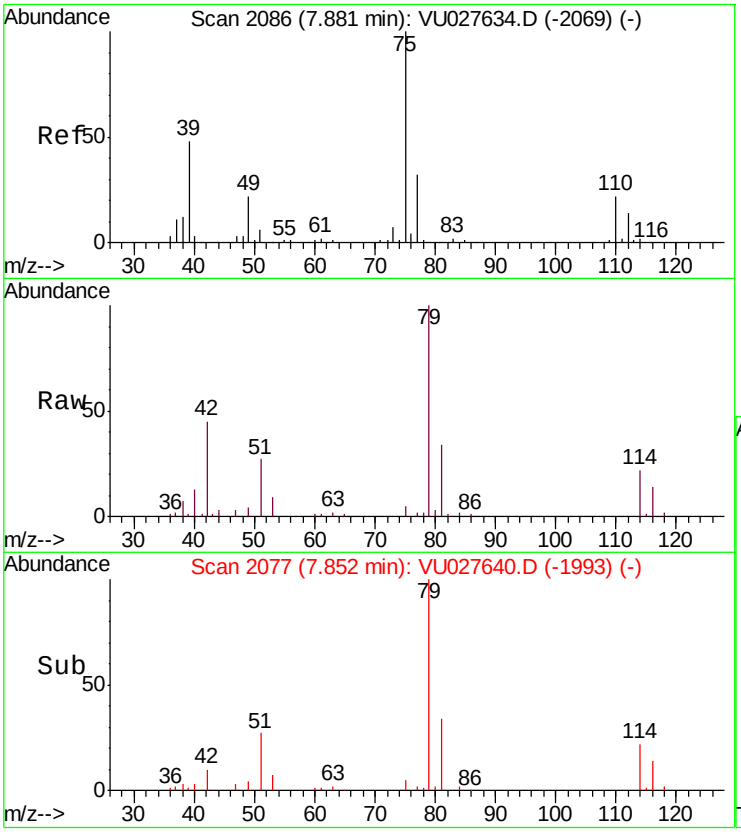




#39
cis-1,3-Dichloropropene
Concen: 0.777 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

Tgt Ion: 75 Resp: 1624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 57.8 | 22.1 | 41.1# |



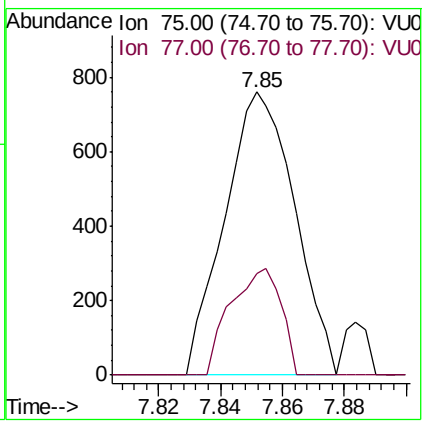


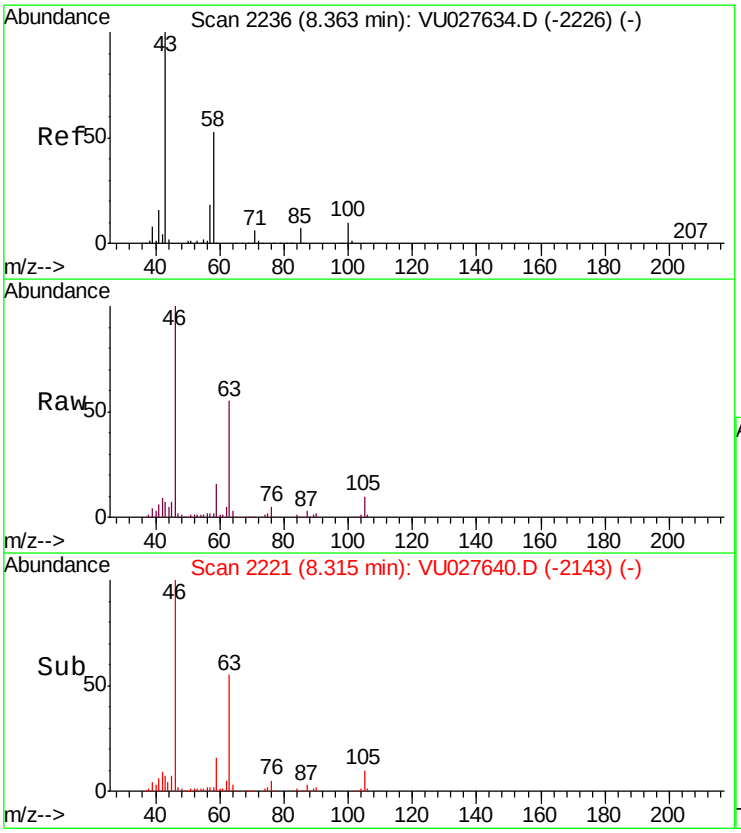

#44
trans-1,3-Dichloropropene
Concen: 0.616 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

**Instrument :** MSVOA_U
**ClientSampleId :** C08Y0

Tgt Ion: 75 Resp: 1195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.8 | 22.2 | 41.2 |

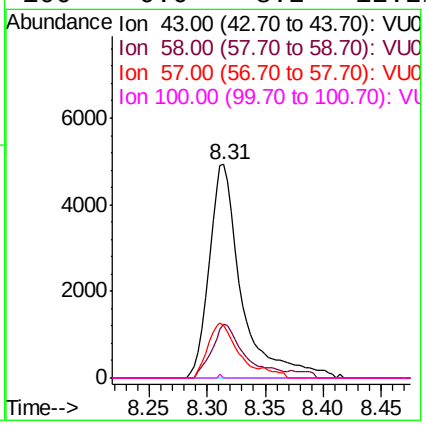


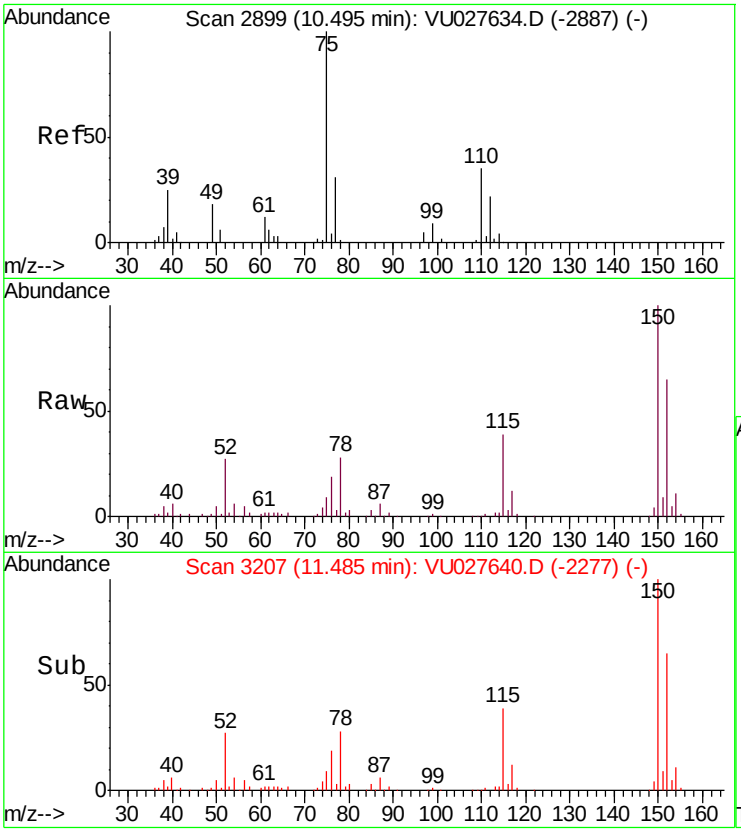




#48
2-Hexanone
Concen: 5.844 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

Tgt Ion: 43 Resp: 9606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.6 | 42.7 | 64.1# |
| 57 | 23.1 | 14.5 | 21.7# |
| 100 | 0.0 | 8.2 | 12.2# |






#59
1,2,3-Trichloropropane
Concen: 4.780 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027640.D
Acq: 12 Oct 2018 22:00

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Y0

Tgt Ion: 75 Resp: 7693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 25.7 | 38.5 |