Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111518\
Data File : VU028174.D
Acq On : 15 Nov 2018 16:15
Operator : MD/SY
Sample : J5943-16RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H0FN2RE

Quant Time: Nov 26 08:59:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 174235 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 165648 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 76227 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 54592 | 3.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 75.60% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 47696 | 4.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 83.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.28 | 63 | 80825 | 2.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 59.80%# | | | |
| 20) 2-Butanone-d5 | 4.20 | 46 | 120940 | 28.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 57.68% | | | |
| 24) Chloroform-d | 4.65 | 84 | 101680 | 4.42 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 60147 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.80% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 206234 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 77015 | 4.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.60% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 182352 | 4.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 82.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 24911 | 4.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 82.20% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 155467 | 44.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 89.72% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 58243 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 62718 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 5) Vinyl chloride | 1.40 | 62 | 28225 | 1.512 | ug/L | 96 |
| 13) Acetone | 2.32 | 43 | 15633 | 5.535 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.98 | 96 | 3748 | 0.304 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 4.23 | 96 | 21654 | 1.595 | ug/L | 98 |
| 30) Cyclohexane | 5.00 | 56 | 3968 | 0.151 | ug/L | 98 |
| 33) Benzene | 5.39 | 78 | 12242 | 0.219 | ug/L | 100 |

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

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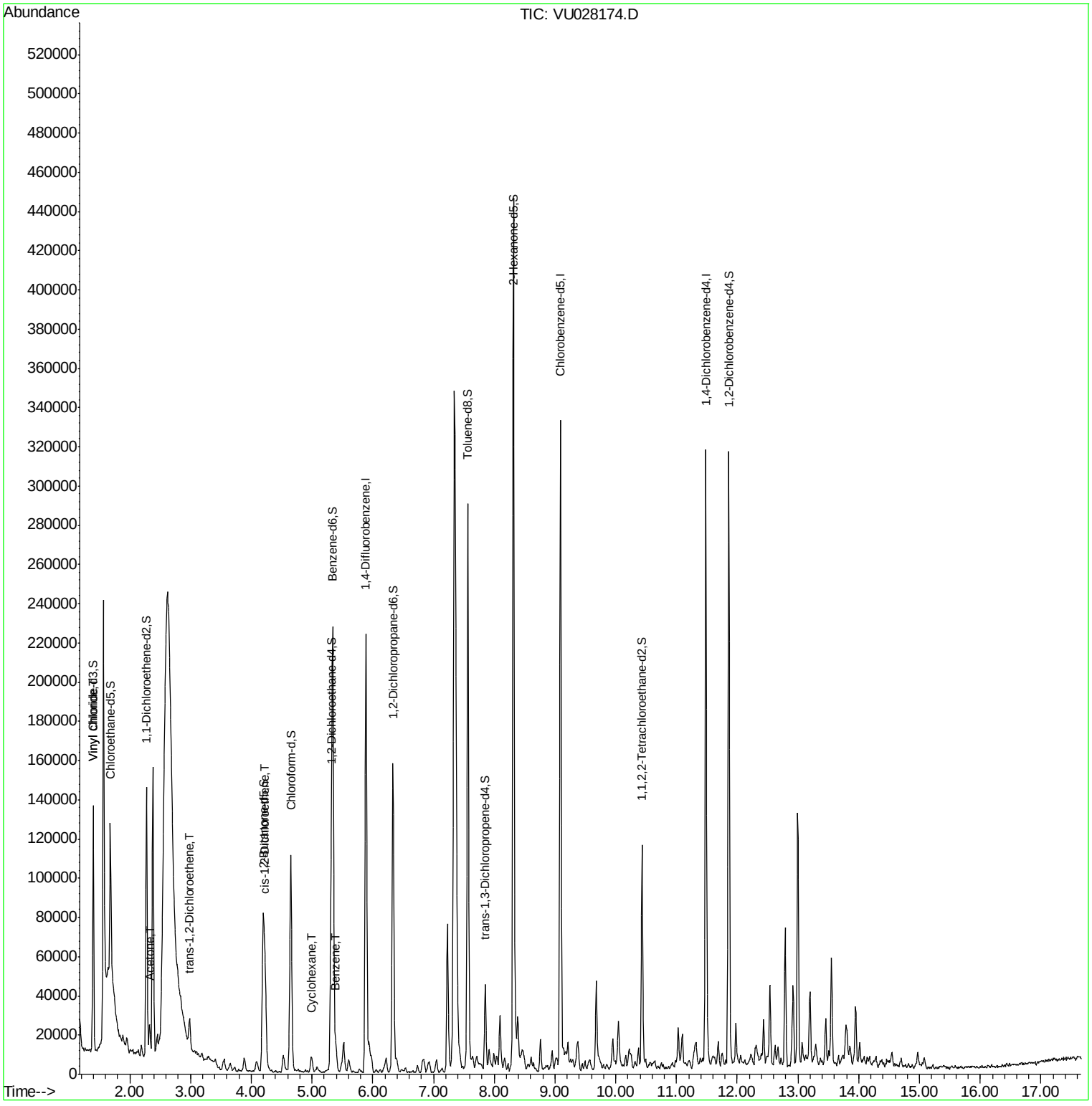
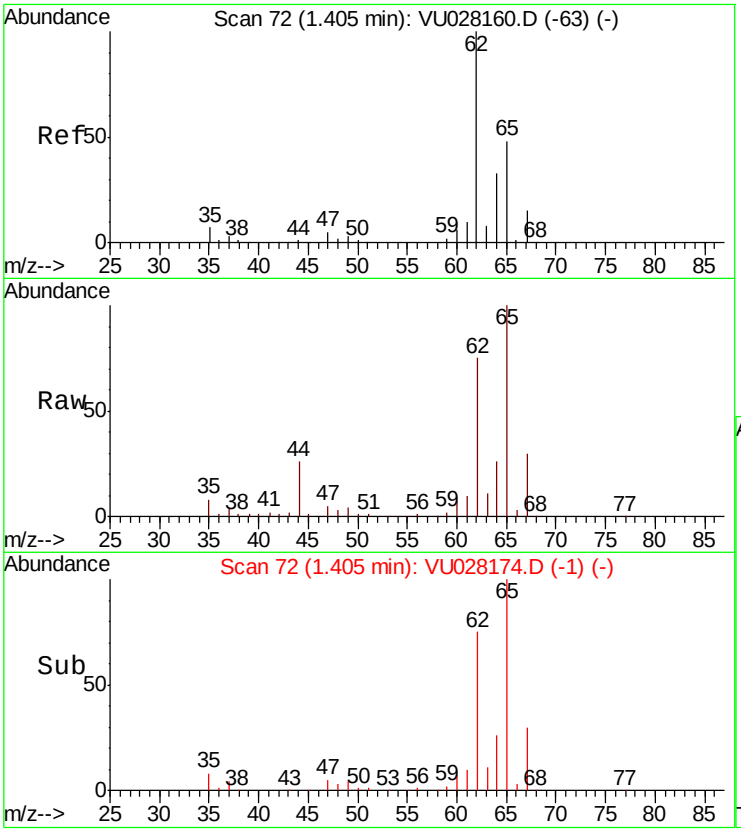


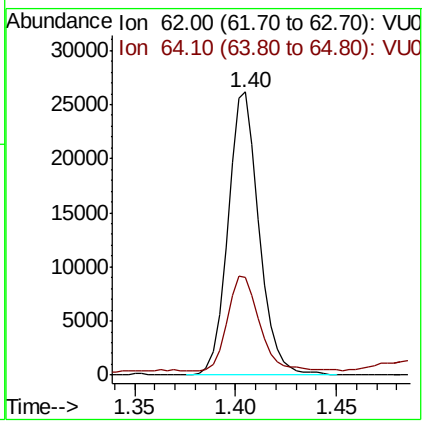


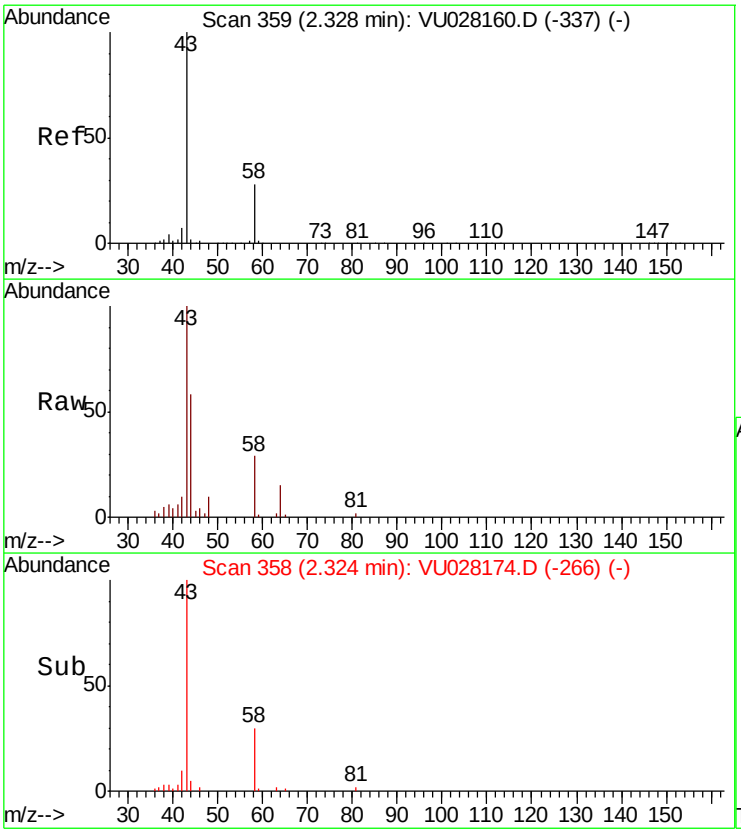

#5
Vinyl chloride
Concen: 1.512 ug/L
RT: 1.40 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FN2RE

Tgt Ion: 62 Resp: 28225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.5 | 22.7 | 42.3 |

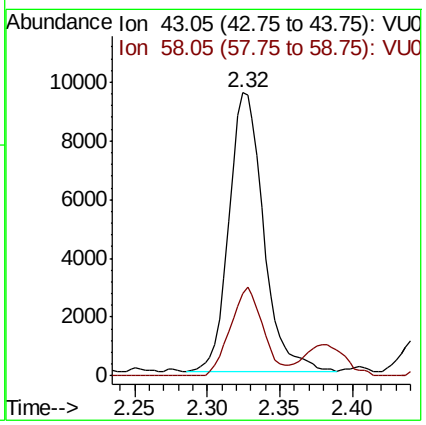


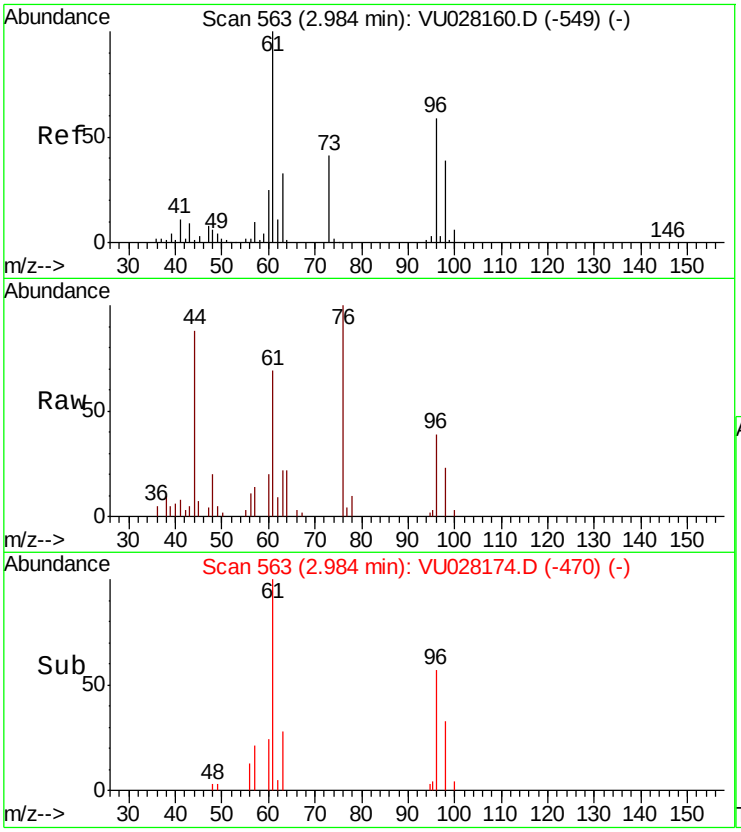




#13
Acetone
Concen: 5.535 ug/L
RT: 2.32 min Scan# 358
Delta R.T. -0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Tgt Ion: 43 Resp: 15633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 0.0 | 61.6 |



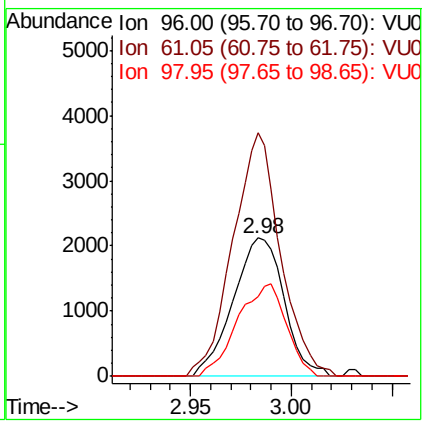


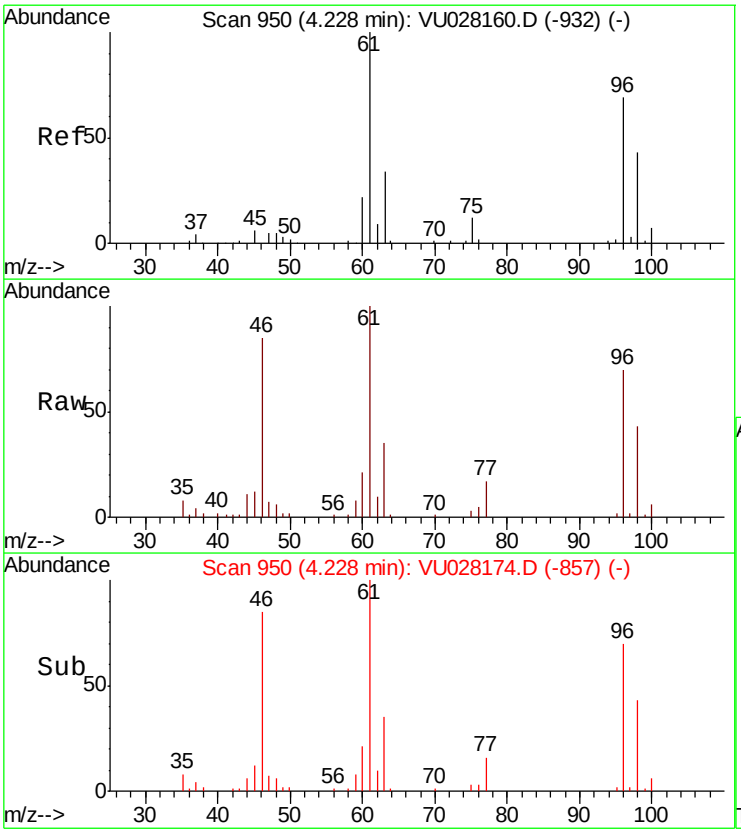

#18
trans-1,2-Dichloroethene
Concen: 0.304 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FN2RE

Tgt Ion: 96 Resp: 3748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.8 | 118.5 | 220.1 |
| 98 | 57.3 | 44.9 | 83.5 |

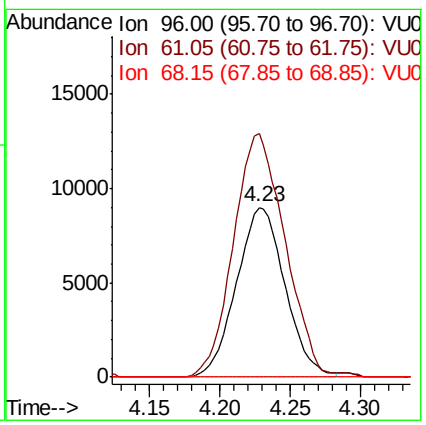


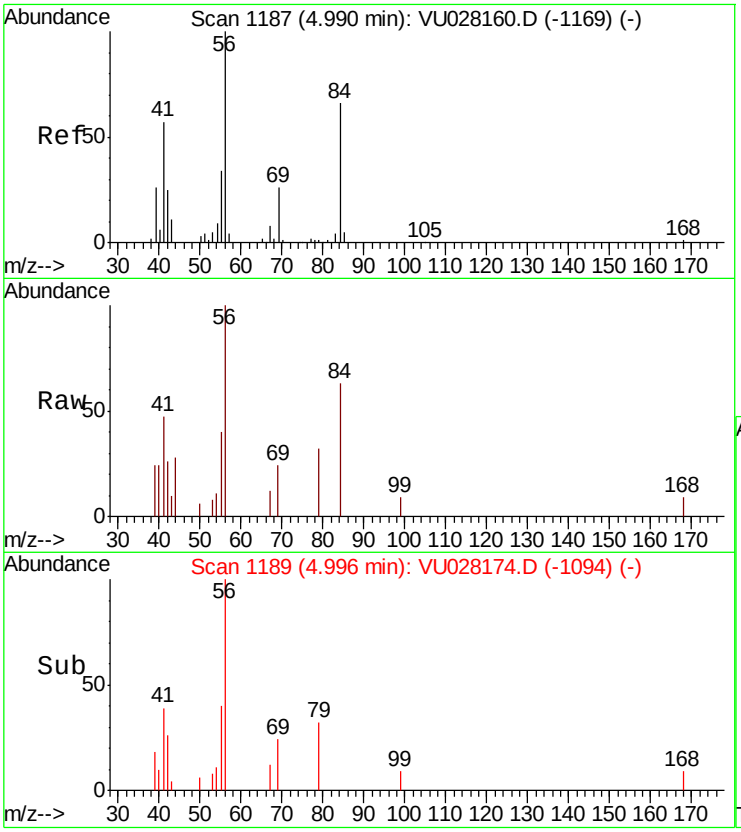




#22
cis-1,2-Dichloroethene
Concen: 1.595 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Tgt Ion: 96 Resp: 21654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.4 | 101.8 | 189.0 |
| 68 | 0.0 | 0.0 | 0.0 |



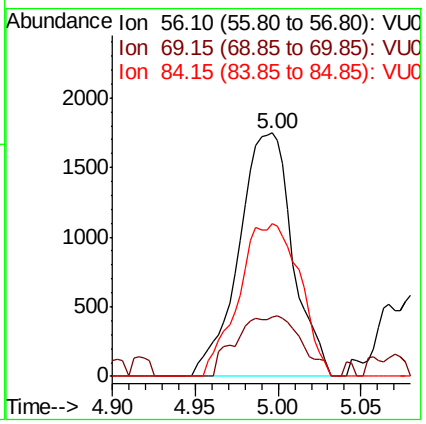


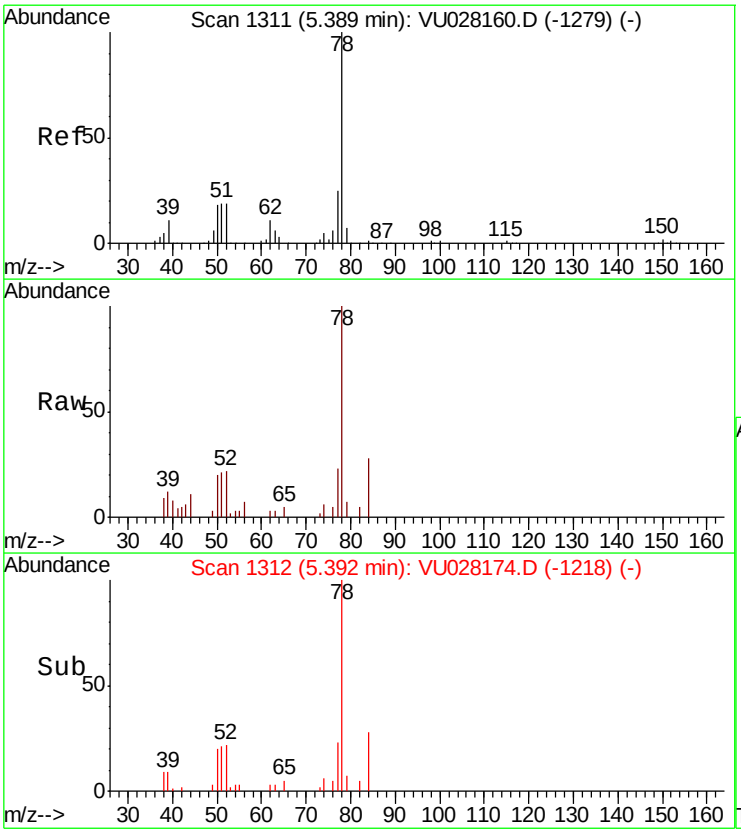

#30
Cyclohexane
Concen: 0.151 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

**Instrument :** MSVOA_U
**ClientSampleId :** H0FN2RE

Tgt Ion: 56 Resp: 3968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.9 | 22.6 | 33.8 |
| 84 | 70.7 | 57.7 | 86.5 |




#33
Benzene
Concen: 0.219 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Tgt Ion: 78 Resp: 12242