Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
Data File : VV012378.D
Acq On : 23 Aug 2019 21:51
Operator : SY/MD
Sample : K4500-06
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GANK0

**Manual Integrations APPROVED**
MMDadoda
8/27/2019 9:49:43 AM

Quant Time: Aug 26 08:45:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 246698 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 243775 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 92620 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 68193 | 5.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 110.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 47347 | 5.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 104.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 87654 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 80.00% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 112858 | 33.96 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 67.92% | | | |
| 24) Chloroform-d | 4.40 | 84 | 128116 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 68819 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 100.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 287754 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 88016 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 234143 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 27257 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 80.00% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 77568 | 36.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 73.36% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 49764 | 4.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 83.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 80934 | 5.25 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.19 | 43 | 85665 | 59.591 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 9931 | 0.675 | ug/L | 88 |
| 21) 2-Butanone | 4.02 | 43 | 16250m | 4.813 | ug/L | |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 133855 | 8.339 | ug/L | 98 |
| 34) Trichloroethene | 5.96 | 95 | 54809 | 3.267 | ug/L | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 337691 | 24.947 | ug/L | 97 |

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

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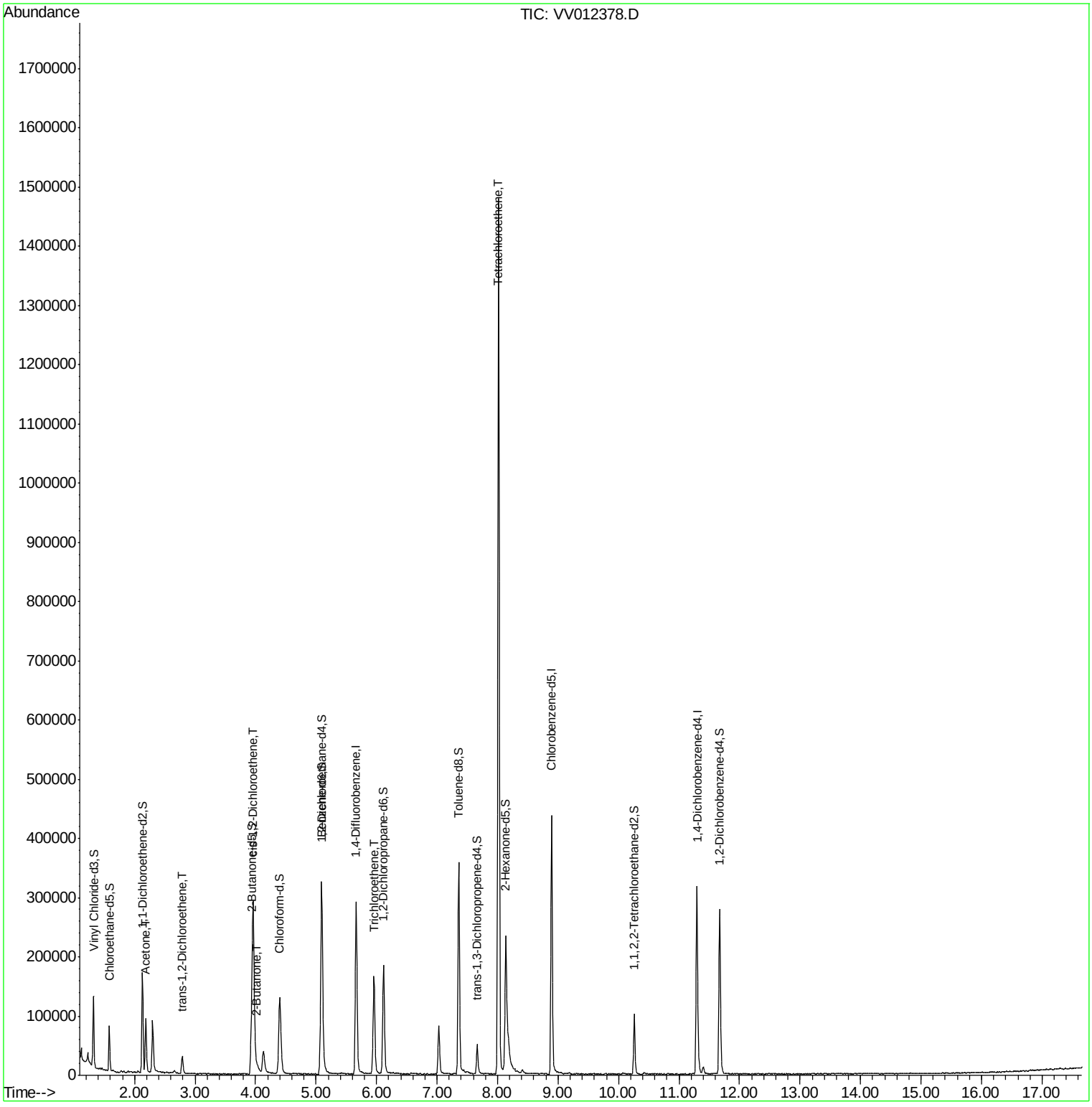
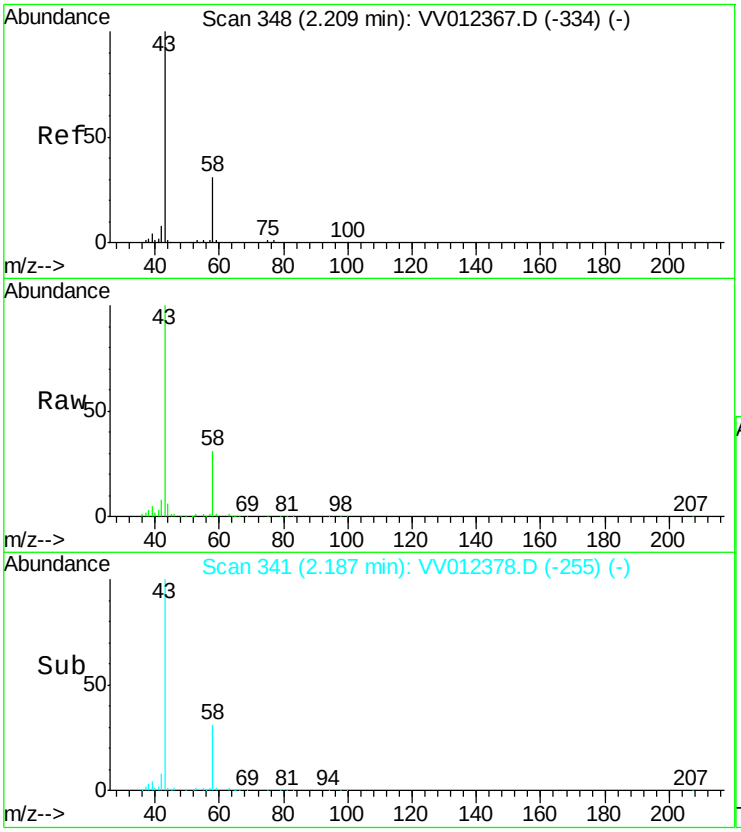
**Instrument :**
MSVOA_V
**ClientSampleId :**
GANK0

**Manual Integrations APPROVED**
MMDadoda
8/27/2019 9:49:43 AM

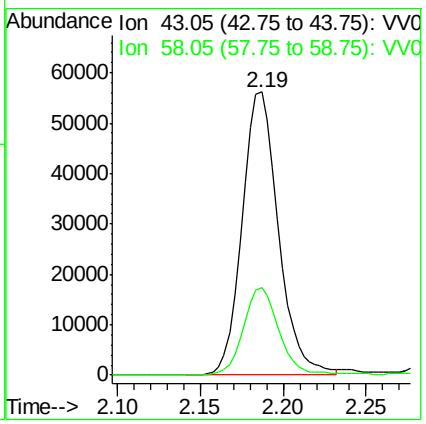





#13
Acetone
Concen: 59.591 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.02 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

Tgt Ion: 43 Resp: 85665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 0.0 | 62.8 |




**Instrument :**
MSVOA_V
**ClientSampleId :**
GANK0

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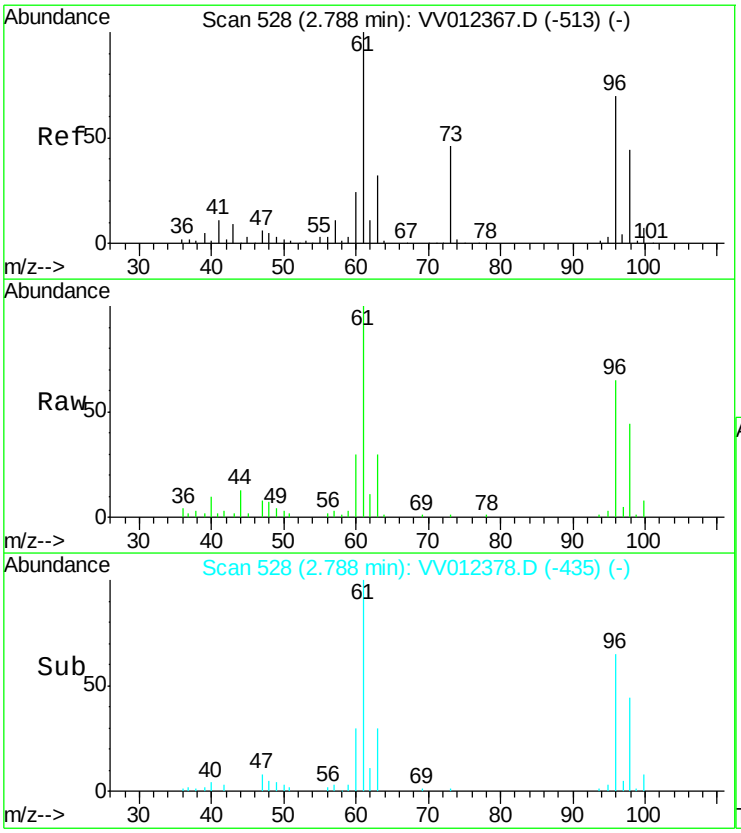
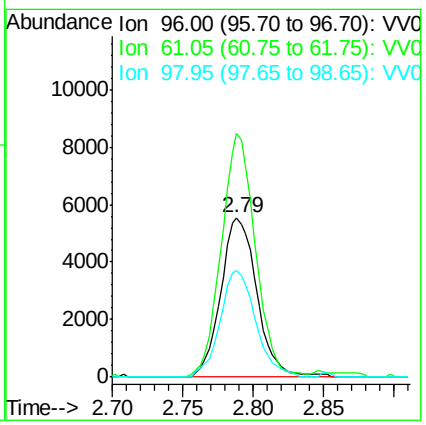
MMDadoda
8/27/2019 9:49:43 AM

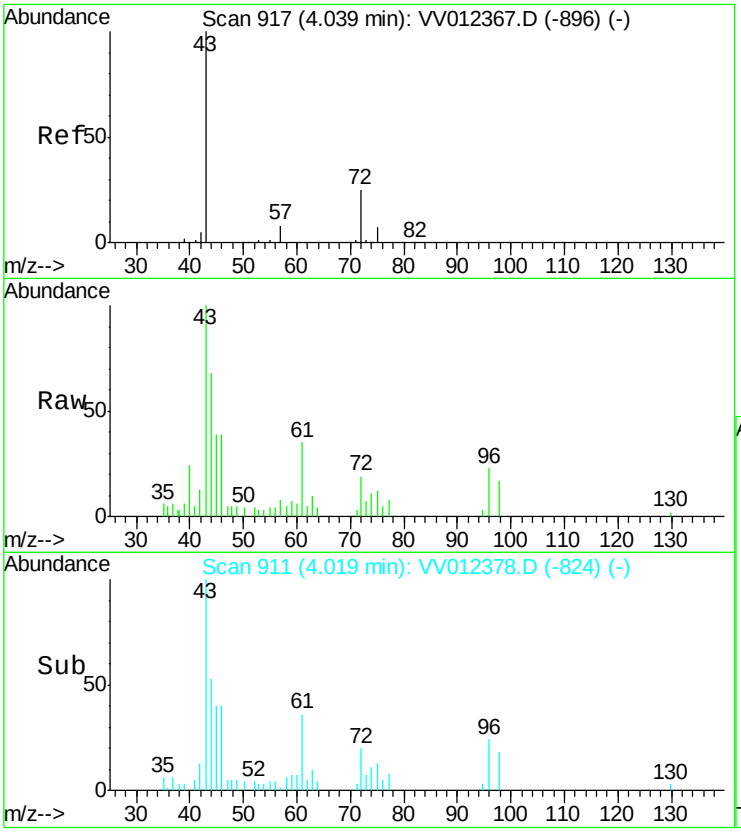



#18
trans-1,2-Dichloroethene
Concen: 0.675 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

Tgt Ion: 96 Resp: 9931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.9 | 96.0 | 178.4 |
| 98 | 66.7 | 42.1 | 78.3 |

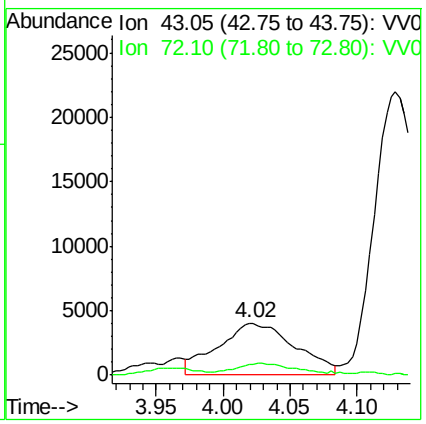





#21
2-Butanone
Concen: 4.813 ug/L m
RT: 4.02 min Scan# 911
Delta R.T. -0.02 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

Tgt Ion: 43 Resp: 16250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.9 | 12.2 | 36.6 |




**Instrument :**
MSVOA_V
**ClientSampleId :**
GANK0

**Manual Integrations APPROVED**
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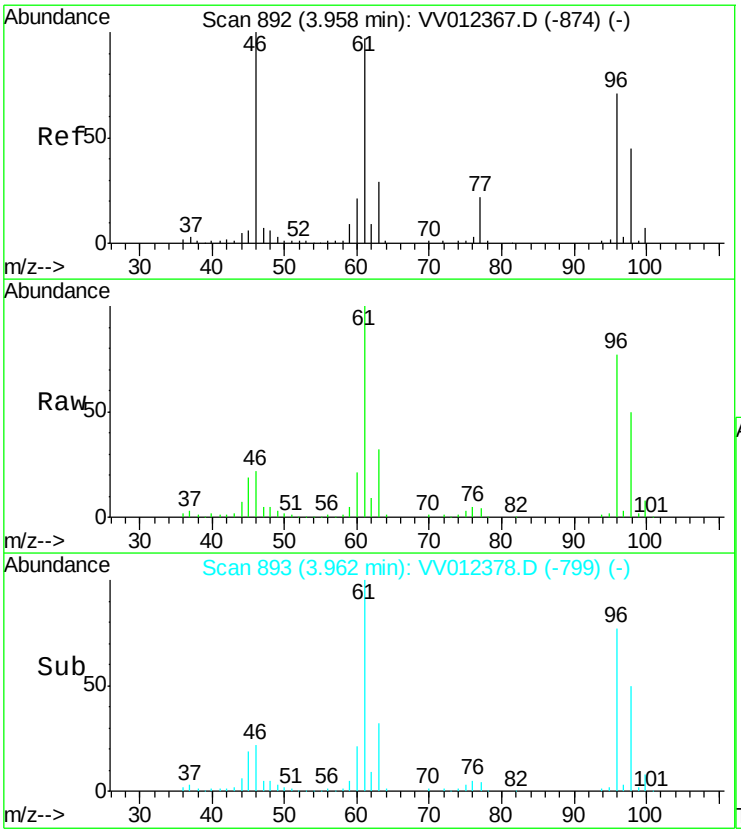
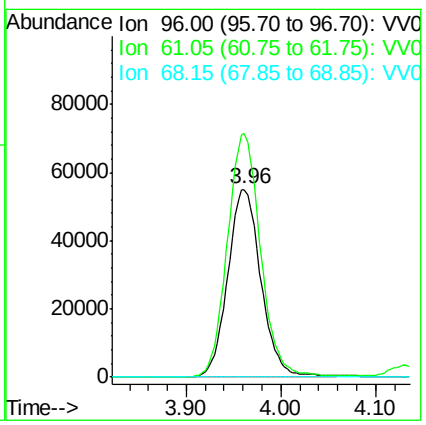
8/27/2019 9:49:43 AM

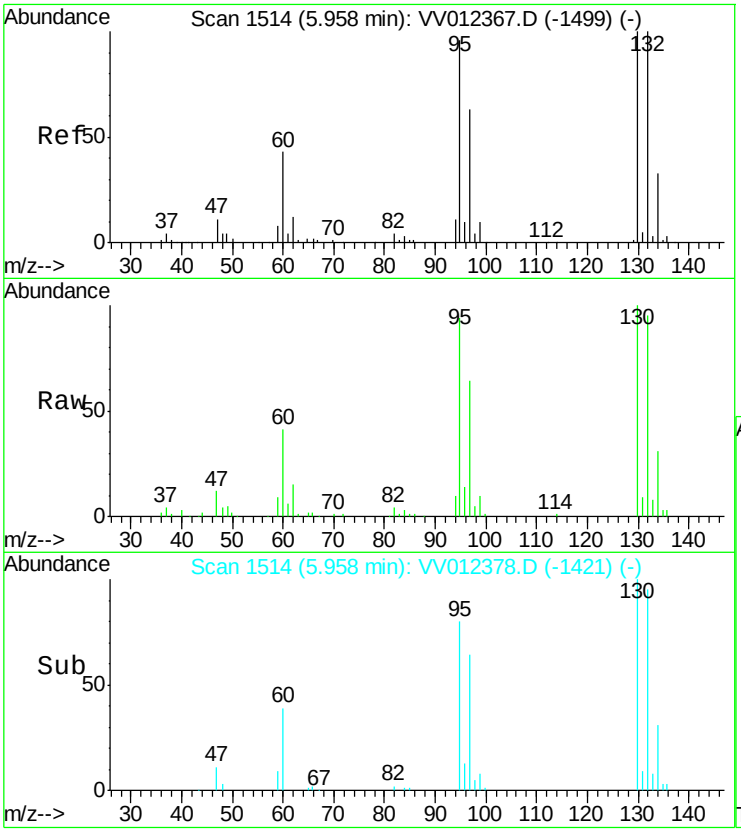



#22
cis-1,2-Dichloroethene
Concen: 8.339 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

Tgt Ion: 96 Resp: 133855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.0 | 89.4 | 166.0 |
| 68 | 0.0 | 0.0 | 0.0 |

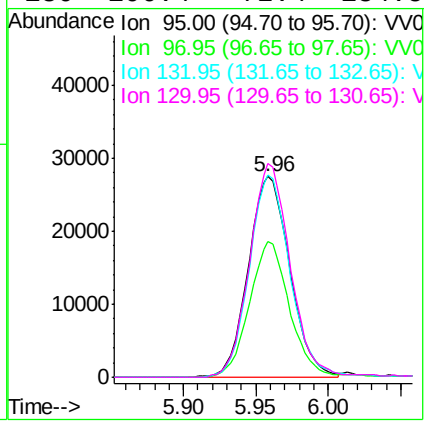





#34
Trichloroethene
Concen: 3.267 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

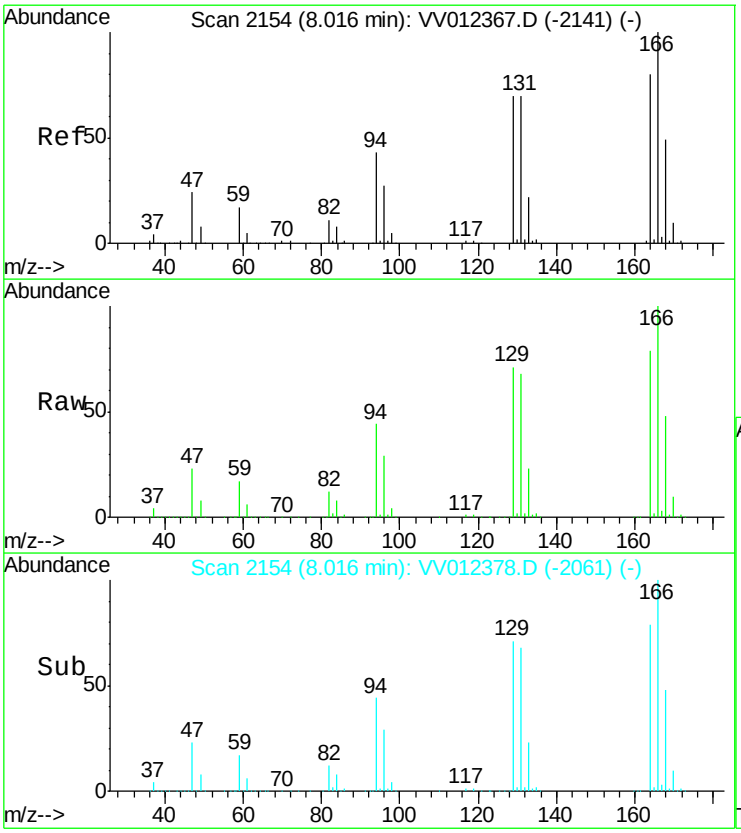
Tgt Ion: 95 Resp: 54809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.8 | 46.3 | 86.1 |
| 132 | 100.8 | 70.3 | 130.7 |
| 130 | 106.4 | 72.4 | 134.5 |




**Instrument :**
MSVOA_V
**ClientSampleId :**
GANK0

**Manual Integrations APPROVED**
MMDadoda
8/27/2019 9:49:43 AM




#47
Tetrachloroethene
Concen: 24.947 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012378.D
Acq: 23 Aug 2019 21:51

Tgt Ion:164 Resp: 337691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.4 | 60.6 | 112.6 |
| 131 | 86.7 | 58.8 | 109.2 |
| 166 | 126.9 | 87.6 | 162.8 |