Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072519\

Quantitation Report (Not Reviewed)

Data File : VU033434.D
Acq On : 26 Jul 2019 00:55
Operator : JC/SP
Sample : K3976-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0CA1

Quant Time: Jul 26 05:55:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 274094 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 281167 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152 | 121419 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 123962 | 59.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 119.48% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 108832 | 61.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 122.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.25 | 63 | 165241 | 43.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 87.82% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 148432 | 112.90 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 112.90% | | | |
| 24) Chloroform-d | 4.62 | 84 | 184292 | 53.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 106.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 130621 | 58.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 117.14% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 397757 | 57.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 115.34% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 126595 | 57.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 114.60% | | | |
| 41) Toluene-d8 | 7.55 | 98 | 351643 | 54.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 108.12% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 54687 | 50.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 100.94% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 105871 | 106.29 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 106.29% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 185786 | 55.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 111.12% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 133758 | 61.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 123.54%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.25 | 101 | 1510 | 0.808 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.25 | 96 | 1244 | 0.680 | ug/L # | 1 |
| 13) Acetone | 2.31 | 43 | 2811 | 1.711 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.98 | 73 | 5302 | 0.908 | ug/L # | 89 |
| 25) Chloroform | 4.65 | 83 | 15564 | 4.026 | ug/L | 100 |
| 34) Trichloroethene | 6.17 | 95 | 9529 | 4.444 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.31 | 63 | 13602 | 6.117 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.21 | 75 | 3419 | 1.003 | ug/L # | 66 |
| 44) trans-1,3-Dichloropropene | 7.84 | 75 | 2451 | 0.797 | ug/L | 92 |
| 46) Tetrachloroethene | 8.21 | 164 | 2522 | 1.519 | ug/L | 92 |
| 49) Dibromochloromethane | 8.21 | 129 | 2548 | 1.086 | ug/L # | 11 |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 14670 | 5.068 | ug/L # | 87 |

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

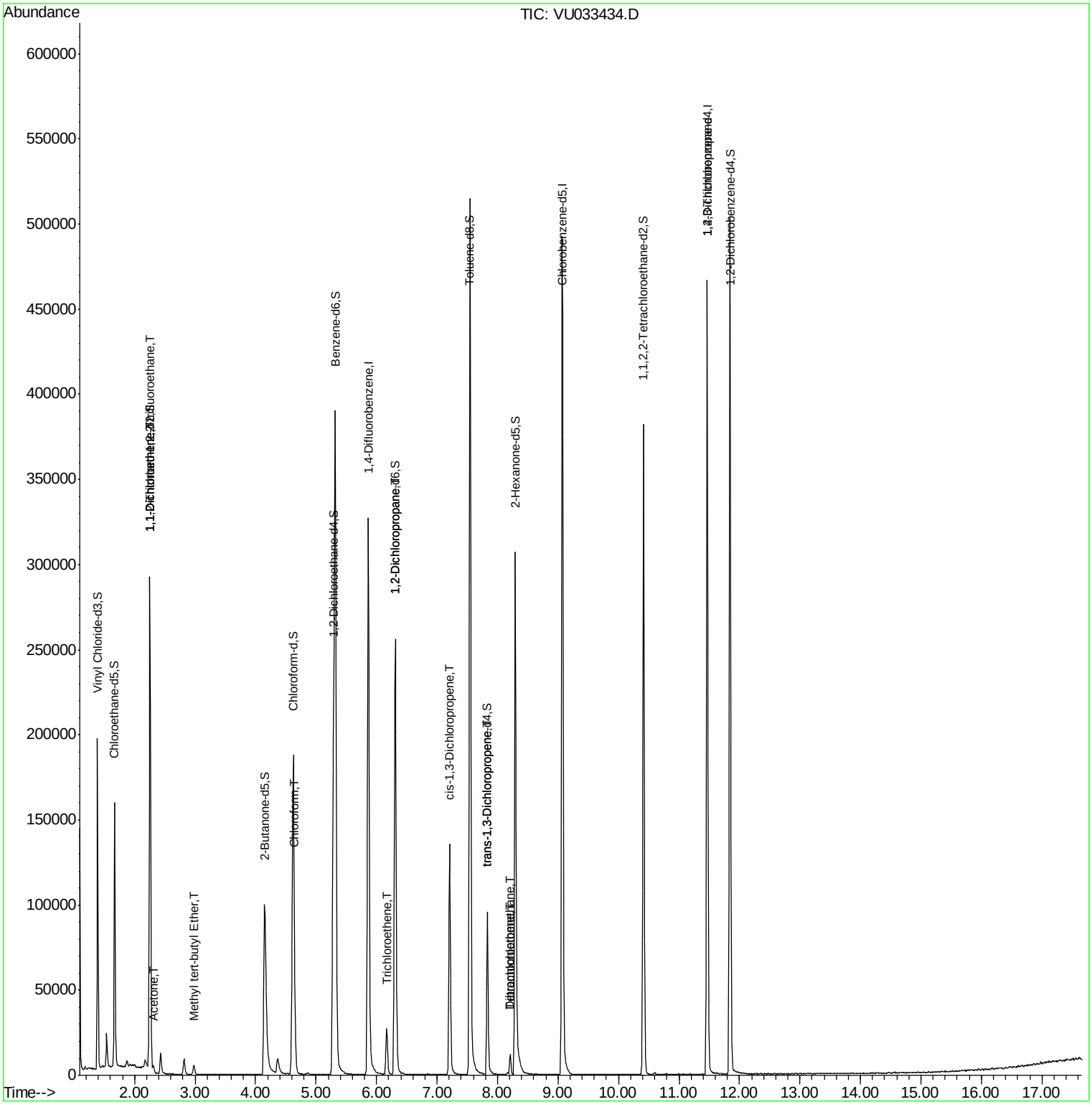
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072519\

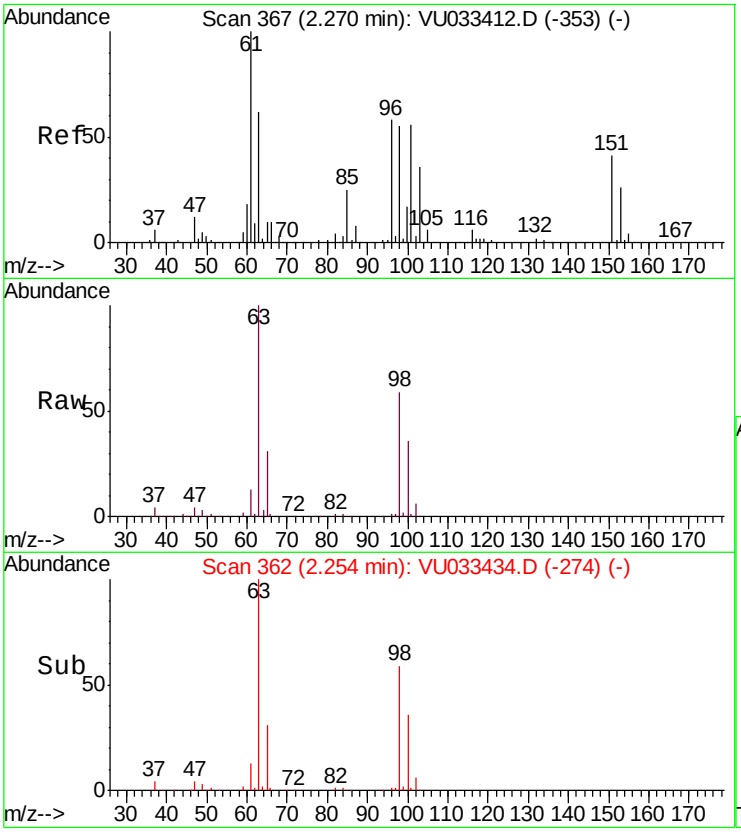
Quantitation Report (Not Reviewed)

Data File : VU033434.D
Acq On : 26 Jul 2019 00:55
Operator : JC/SP
Sample : K3976-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0CA1

Quant Time: Jul 26 05:55:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration



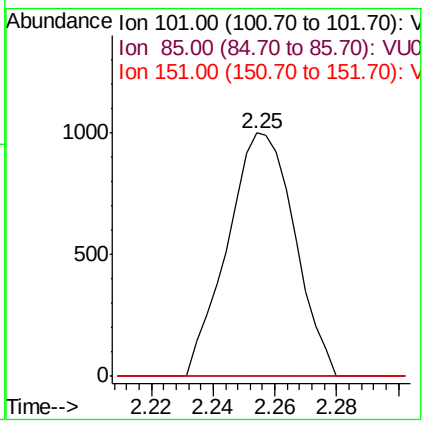


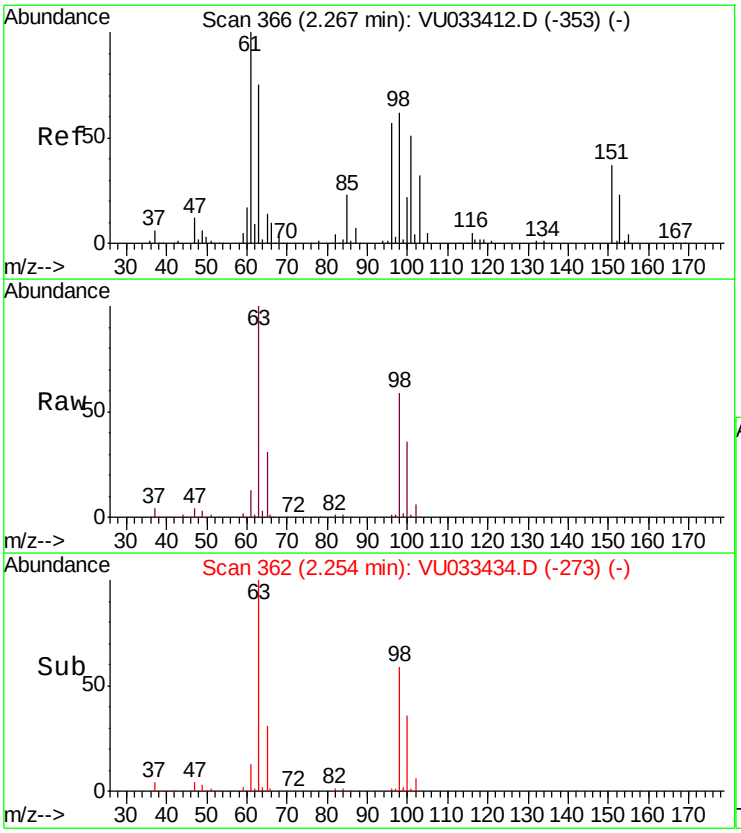

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.808 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.02 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0CA1

Tgt Ion:101 Resp: 1510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.8 | 53.8# |
| 151 | 0.0 | 56.7 | 85.1# |

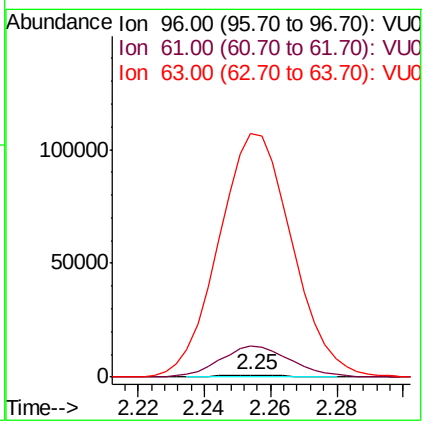


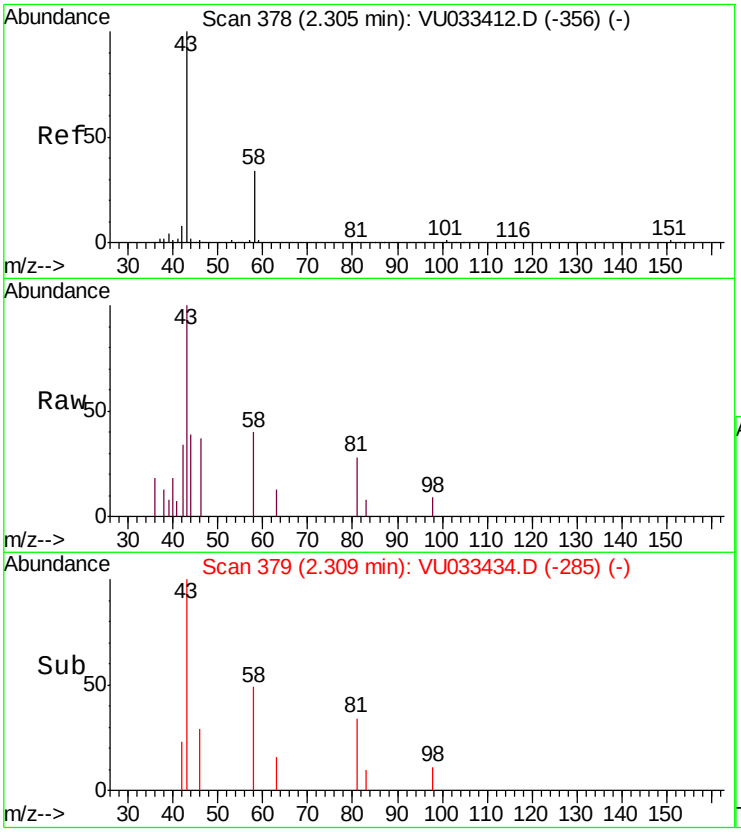




#12
1,1-Dichloroethene
Concen: 0.680 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.01 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion: 96 Resp: 1244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1685.4 | 126.1 | 234.1# |
| 63 | 13226.2 | 96.8 | 179.8# |



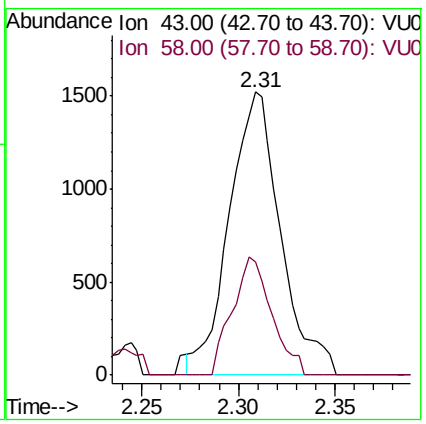


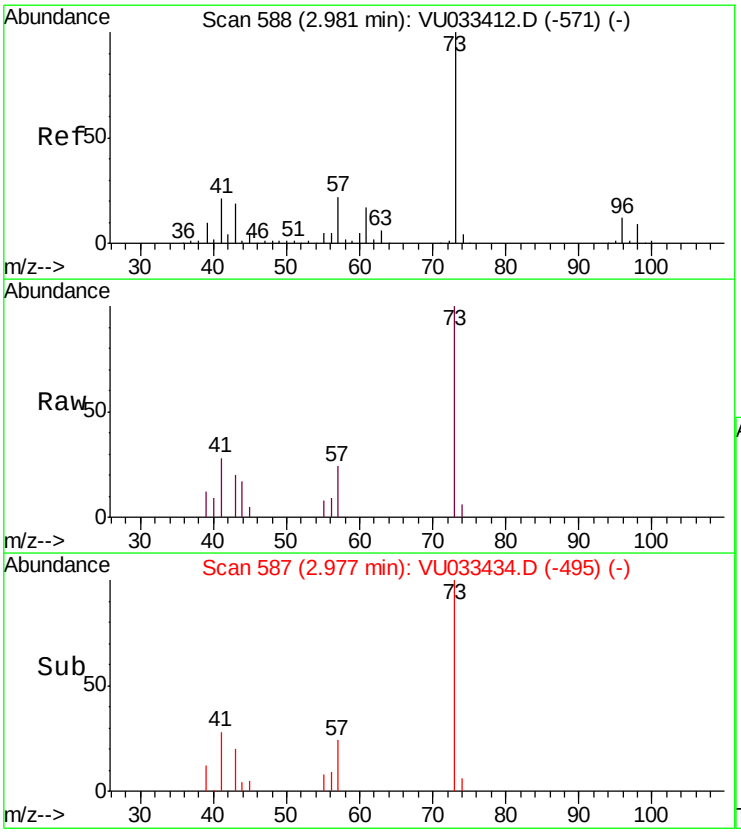

#13
Acetone
Concen: 1.711 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :** MSVOA_U
**ClientSampleId :** C0CA1

Tgt Ion: 43 Resp: 2811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 0.0 | 65.4 |

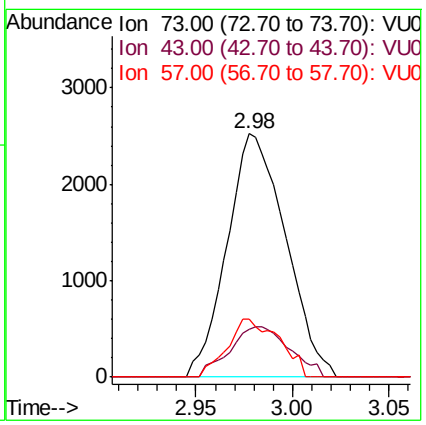


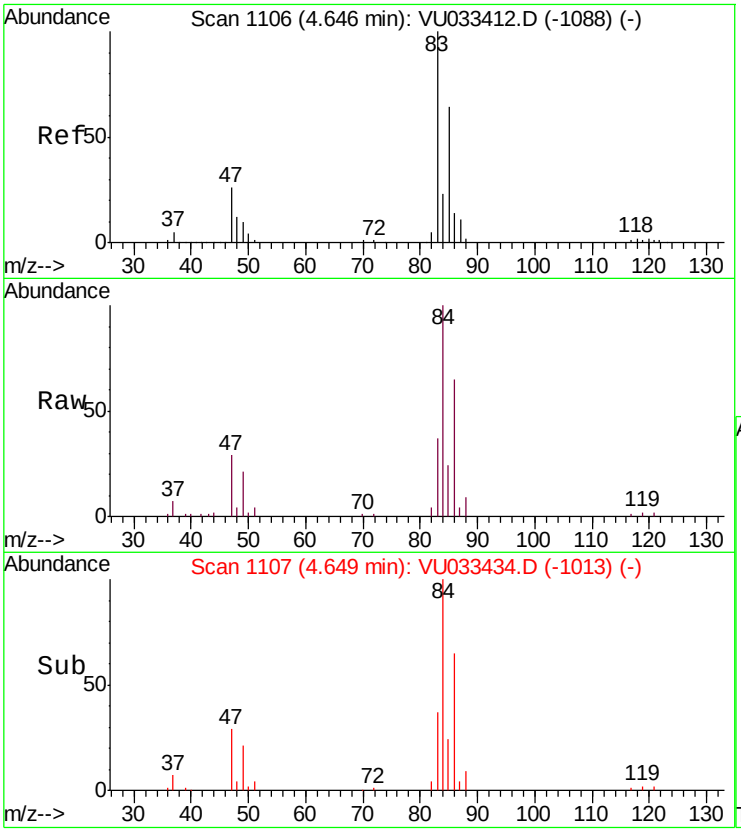




#18
Methyl tert-butyl Ether
Concen: 0.908 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion: 73 Resp: 5302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 20.7 | 15.7 | 23.5 |
| 57 | 13.4 | 17.8 | 26.6# |



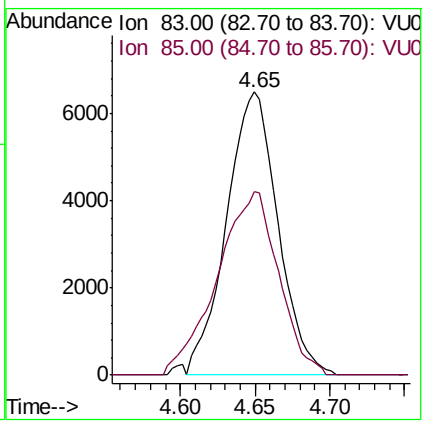


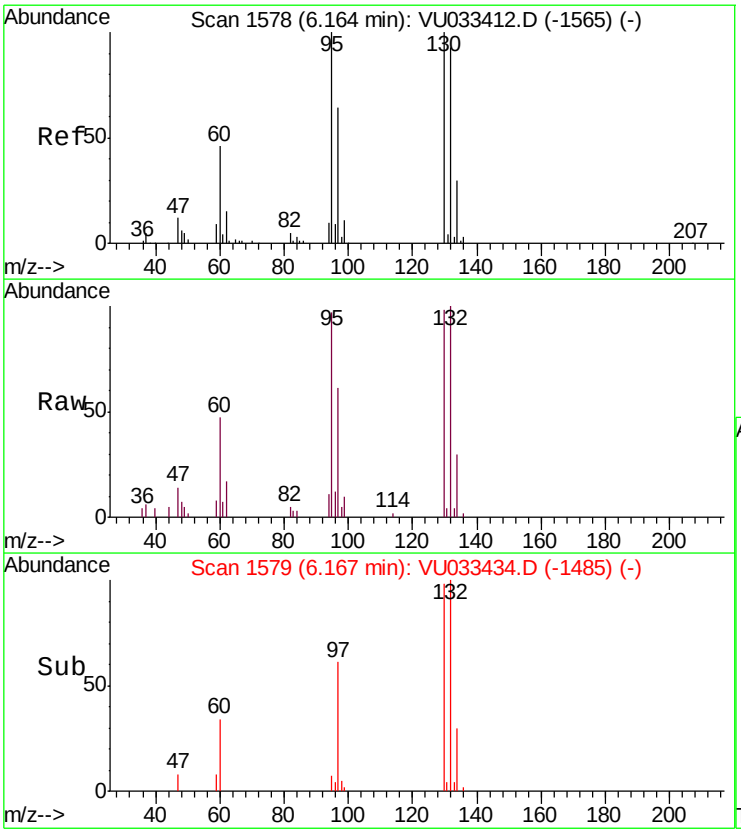

#25
Chloroform
Concen: 4.026 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0CA1

Tgt Ion: 83 Resp: 15564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 45.4 | 84.4 |

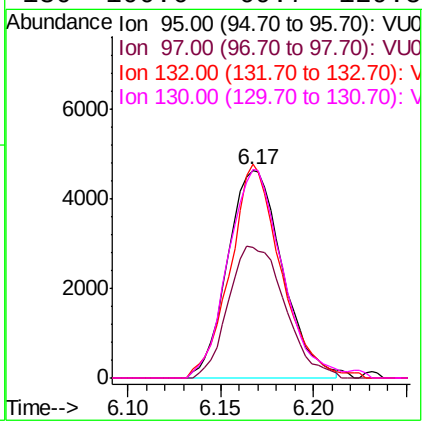


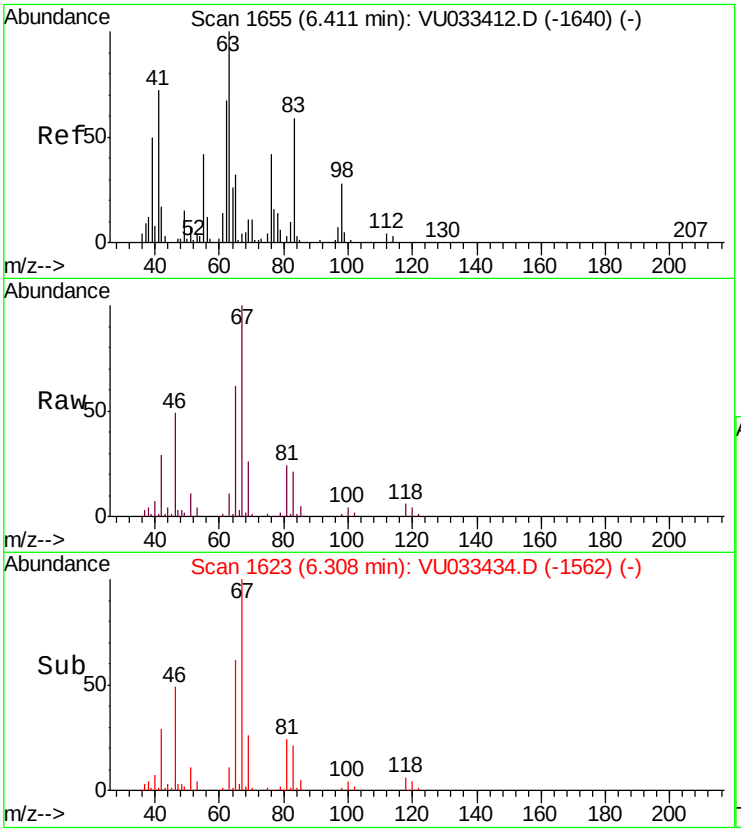




#34
Trichloroethene
Concen: 4.444 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion: 95 Resp: 9529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.1 | 43.8 | 81.4 |
| 132 | 102.7 | 65.5 | 121.6 |
| 130 | 100.6 | 69.7 | 129.5 |



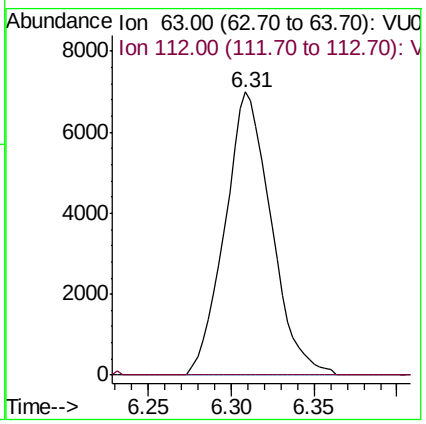


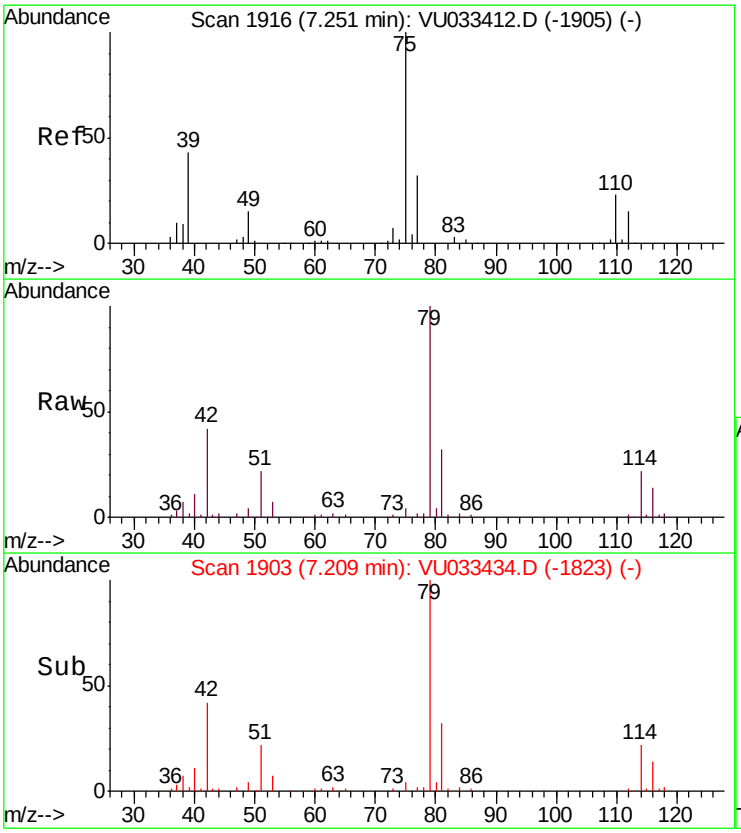

#37
1,2-Dichloropropane
Concen: 6.117 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :** MSVOA_U
**ClientSampleId :** C0CA1

Tgt Ion: 63 Resp: 13602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.2 | 4.8# |

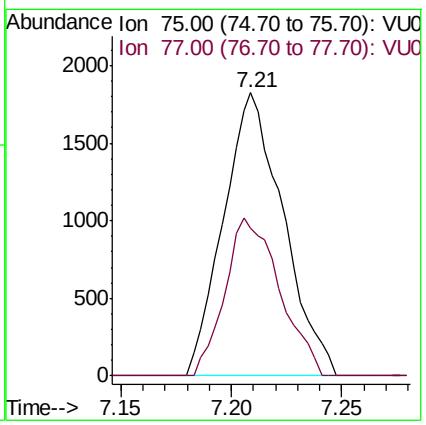


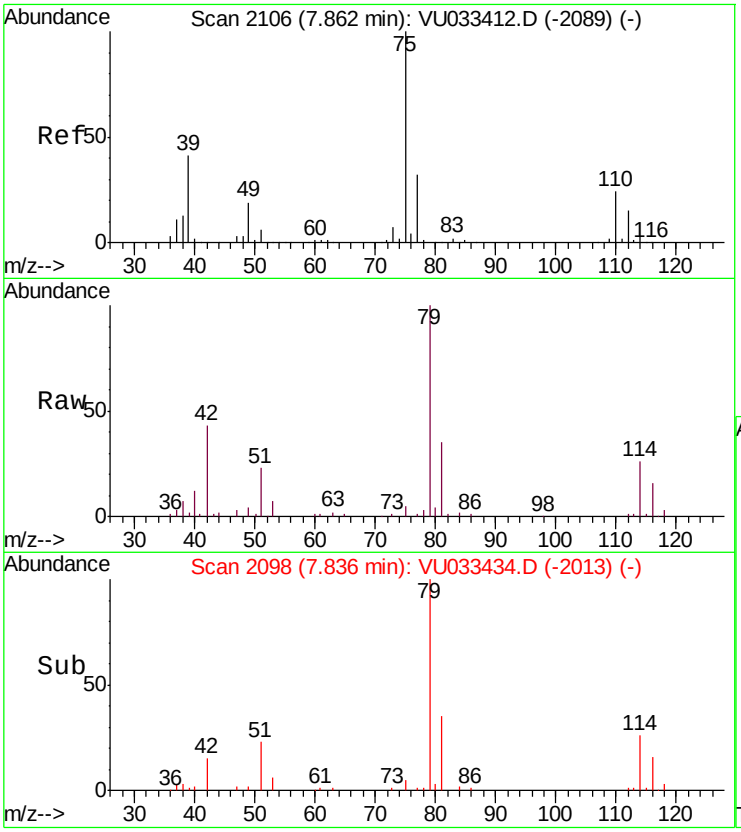




#39
cis-1,3-Dichloropropene
Concen: 1.003 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion: 75 Resp: 3419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 52.4 | 23.1 | 42.9# |



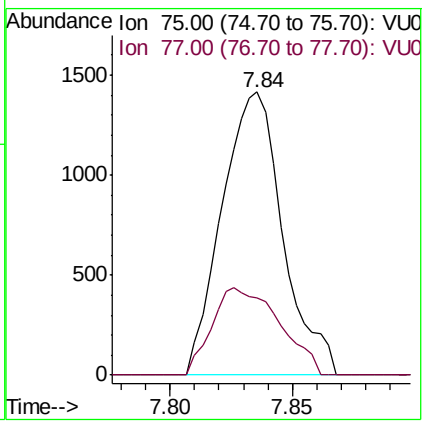


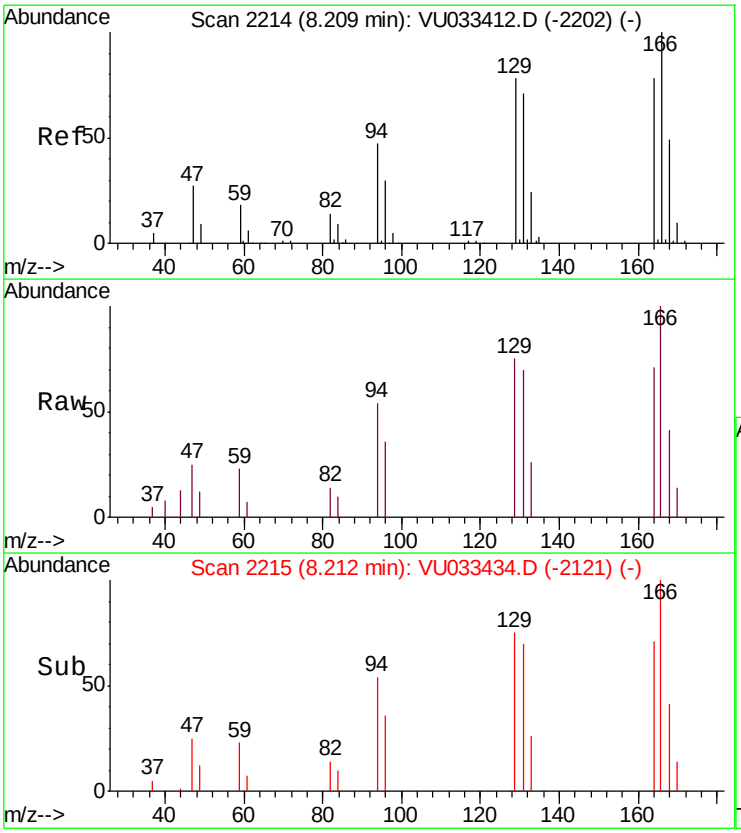

#44
trans-1,3-Dichloropropene
Concen: 0.797 ug/L
RT: 7.84 min Scan# 2098
Delta R.T. -0.03 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0CA1

Tgt Ion: 75 Resp: 2451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.4 | 22.4 | 41.6 |

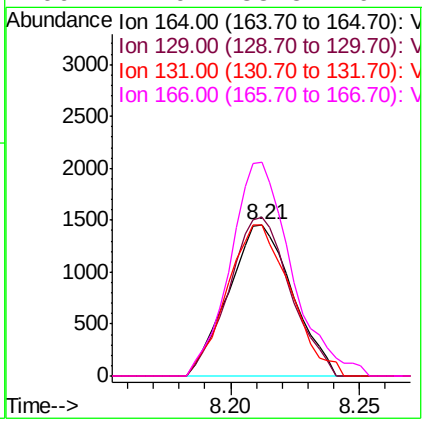


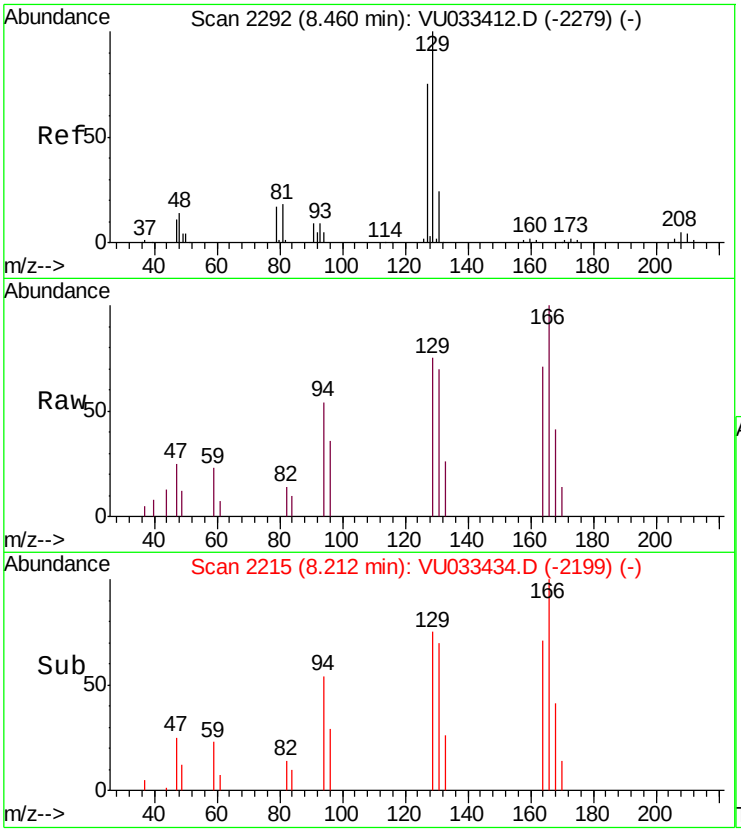




#46
Tetrachloroethene
Concen: 1.519 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion:164 Resp: 2522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 105.1 | 69.6 | 129.2 |
| 131 | 99.4 | 65.7 | 122.1 |
| 166 | 141.0 | 88.5 | 164.4 |



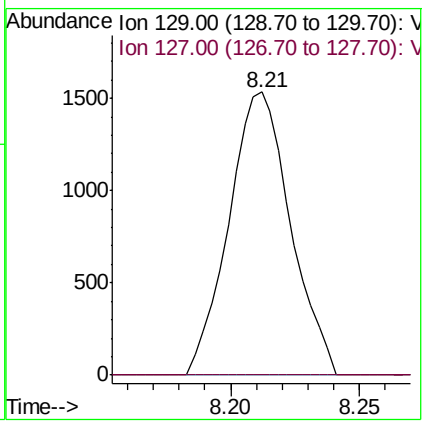


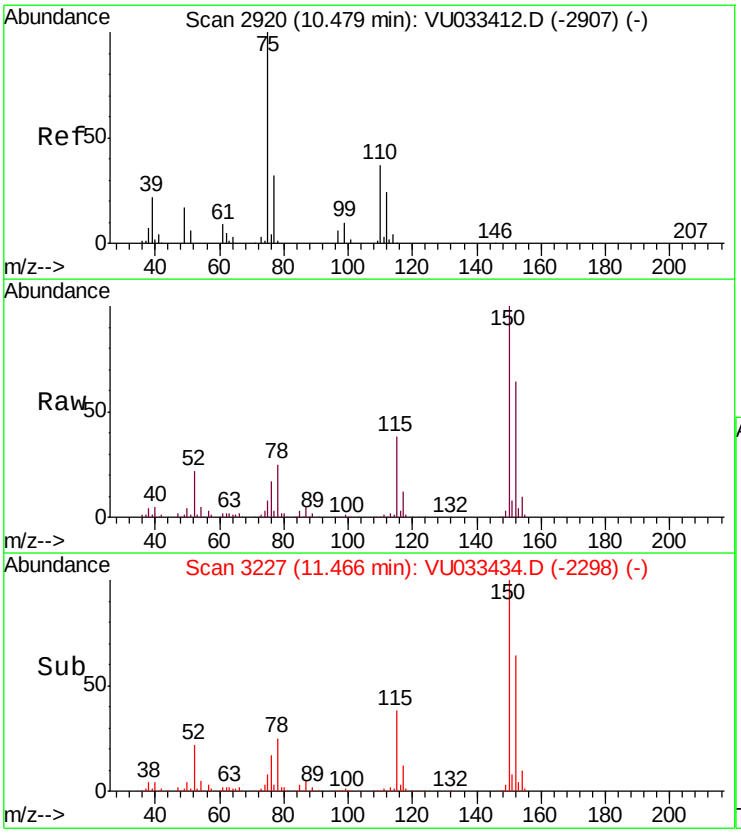

#49
Dibromochloromethane
Concen: 1.086 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. -0.25 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0CA1

Tgt Ion:129 Resp: 2548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 54.3 | 100.9# |




#59
1,2,3-Trichloropropane
Concen: 5.068 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033434.D
Acq: 26 Jul 2019 00:55

Tgt Ion: 75 Resp: 14670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.5 | 26.0 | 39.0# |