Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051719\

Quantitation Report (Not Reviewed)

Data File : VU032112.D
Acq On : 17 May 2019 19:52
Operator : JC/SP
Sample : K2850-03DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Quant Time: May 18 04:14:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 371350 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 375330 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 149658 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 122757 | 3.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 78.40% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 101962 | 3.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 76.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 170232 | 3.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 68.20% | | | |
| 20) 2-Butanone-d5 | 4.21 | 46 | 279880 | 45.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 91.14% | | | |
| 24) Chloroform-d | 4.64 | 84 | 231727 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 119209 | 4.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.00% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 461218 | 4.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 134024 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 80.00% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 385513 | 3.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 76.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 47450 | 3.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 78.80% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 232317 | 42.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 85.40% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 125326 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 148382 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.60% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 1.32 | 50 | 3184 | 0.179 | ug/L | 92 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 1713 | 0.115 | ug/L # | 1 |
| 13) Acetone | 2.34 | 43 | 3928 | 1.948 | ug/L | 82 |
| 16) Methylene chloride | 2.69 | 84 | 2063 | 0.116 | ug/L # | 83 |
| 17) Methyl tert-butyl Ether | 3.00 | 73 | 446098 | 12.724 | ug/L | 96 |
| 34) Trichloroethene | 6.18 | 95 | 5310 | 0.340 | ug/L | 84 |
| 35) Methylcyclohexane | 6.33 | 83 | 33363 | 1.482 | ug/L # | 20 |
| 37) 1,2-Dichloropropane | 6.32 | 63 | 15159 | 1.076 | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 2748 | 0.141 | ug/L | 92 |
| 47) Tetrachloroethene | 8.22 | 164 | 4832 | 0.413 | ug/L | 92 |
| 49) Dibromochloromethane | 8.22 | 129 | 4866 | 0.406 | ug/L # | 10 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 15202 | 1.699 | ug/L | 91 |

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

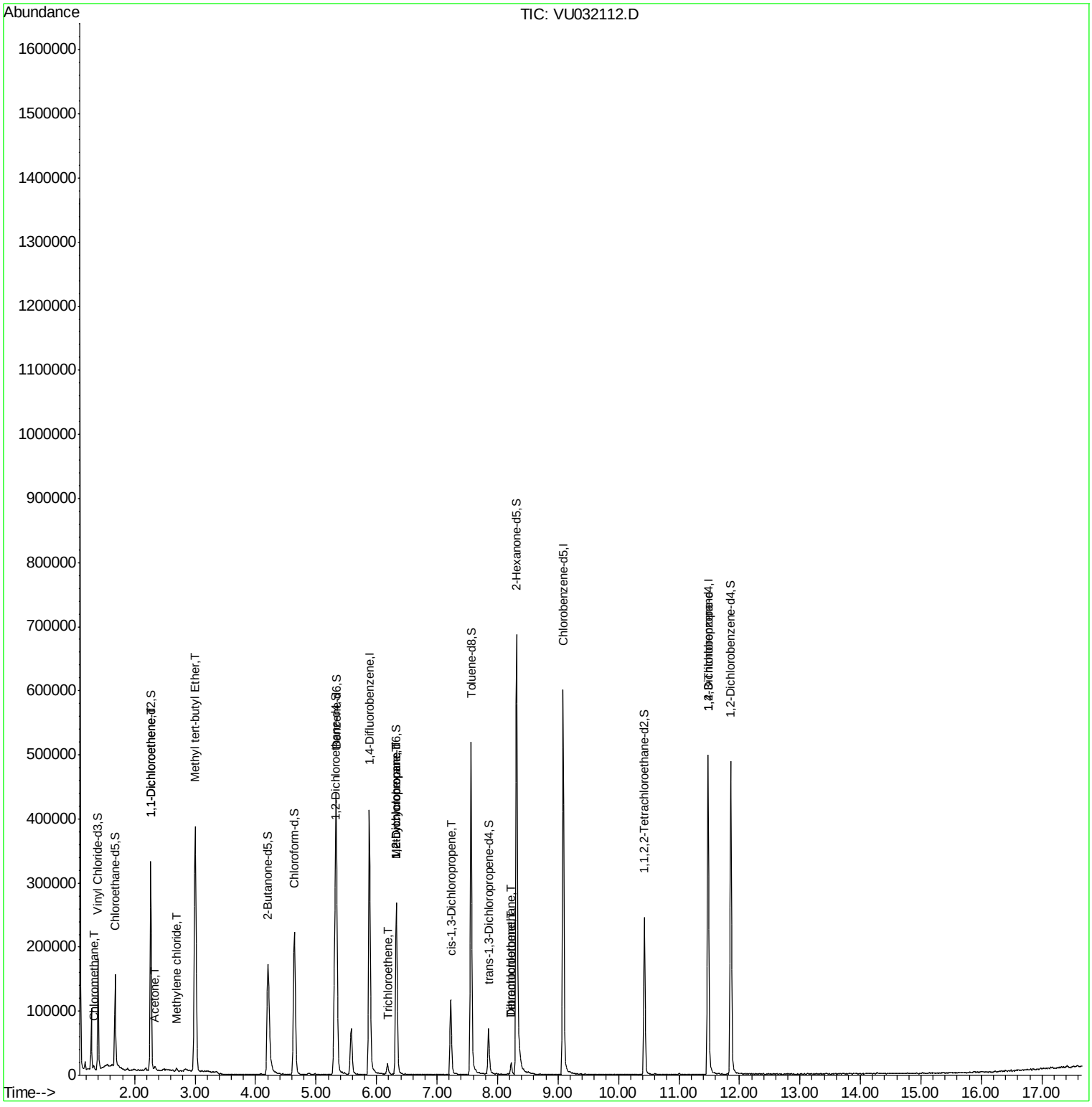
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051719\

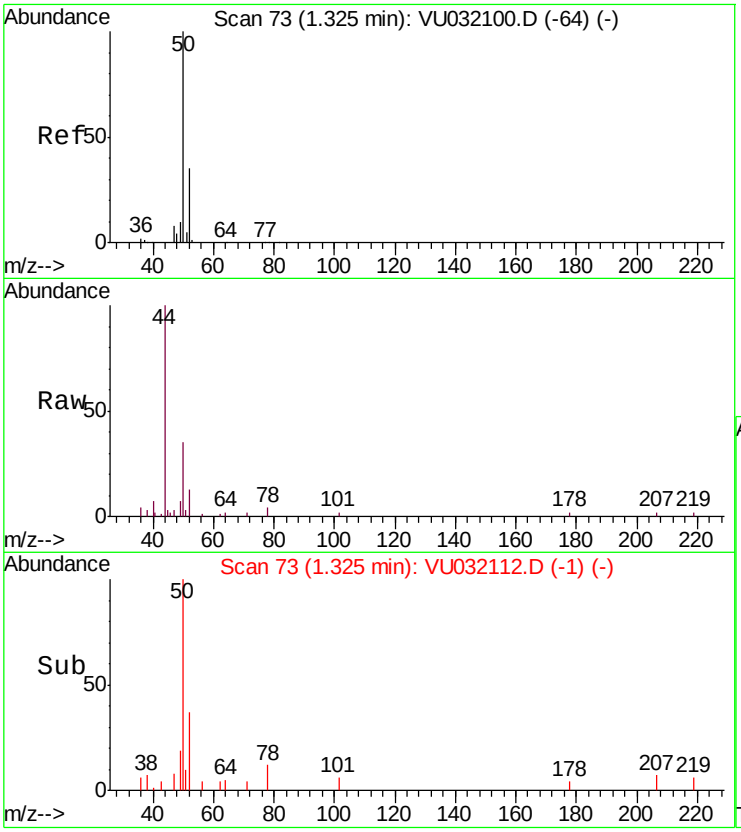
Quantitation Report (Not Reviewed)

Data File : VU032112.D
Acq On : 17 May 2019 19:52
Operator : JC/SP
Sample : K2850-03DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Quant Time: May 18 04:14:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration



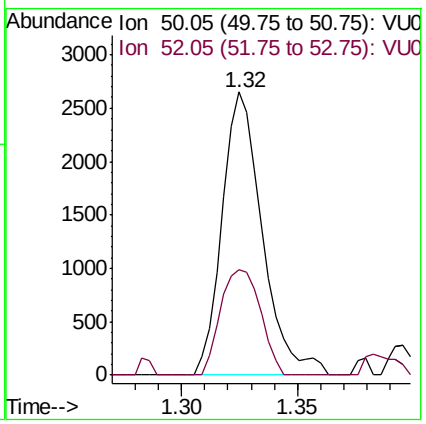


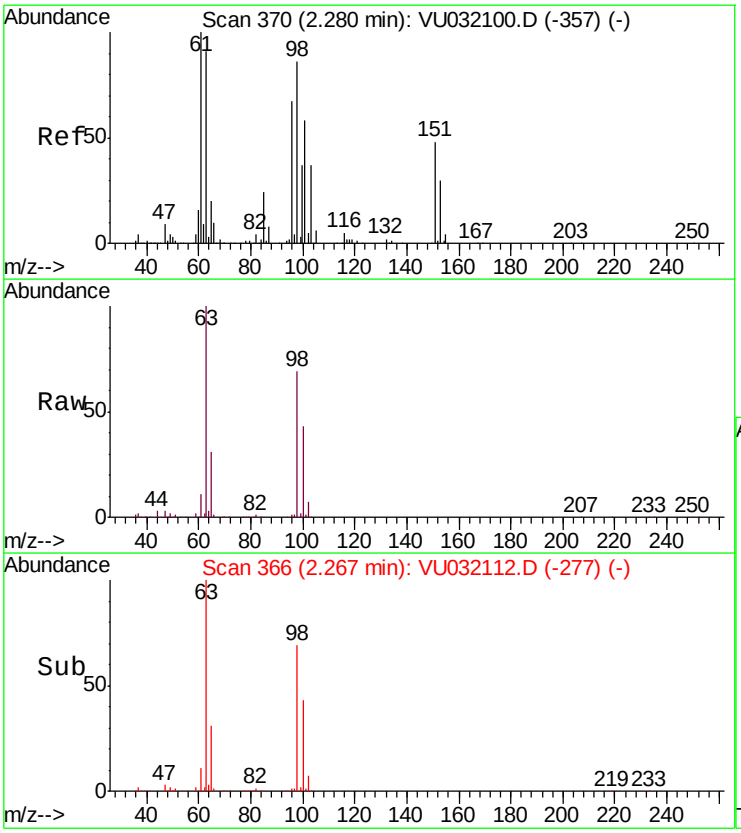

#3
Chloromethane
Concen: 0.179 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9W03DL

Tgt Ion: 50 Resp: 3184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.5 | 23.2 | 43.0 |

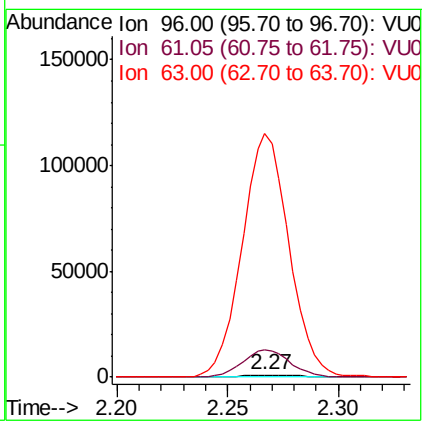


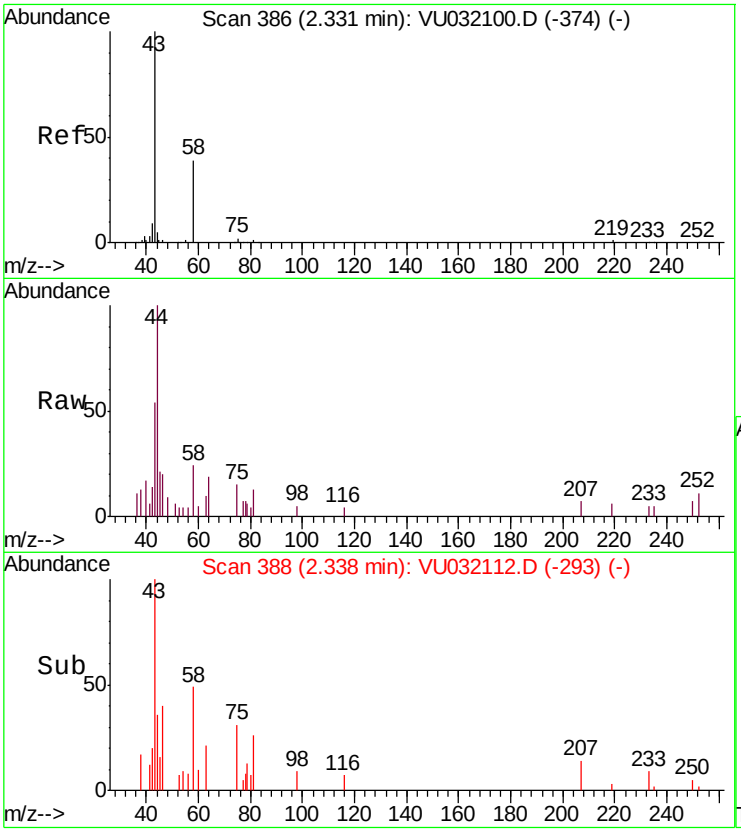




#12
1,1-Dichloroethene
Concen: 0.115 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion: 96 Resp: 1713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1314.6 | 111.7 | 207.5# |
| 63 | 11699.2 | 152.2 | 282.6# |



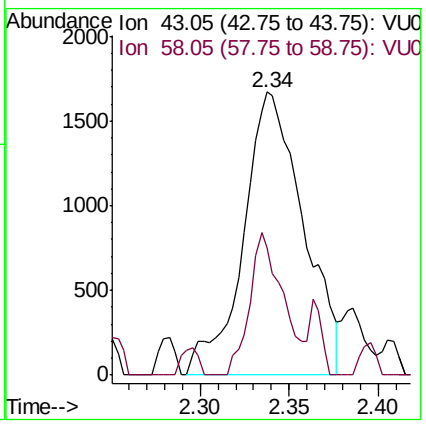


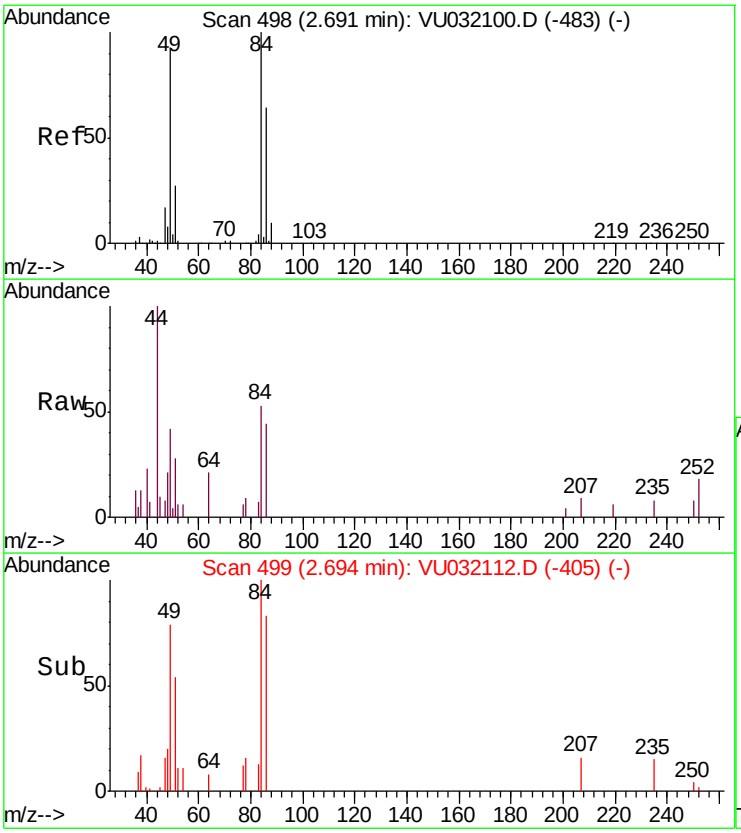

#13
Acetone
Concen: 1.948 ug/L
RT: 2.34 min Scan# 388
Delta R.T. 0.01 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Tgt Ion: 43 Resp: 3928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 0.0 | 78.8 |

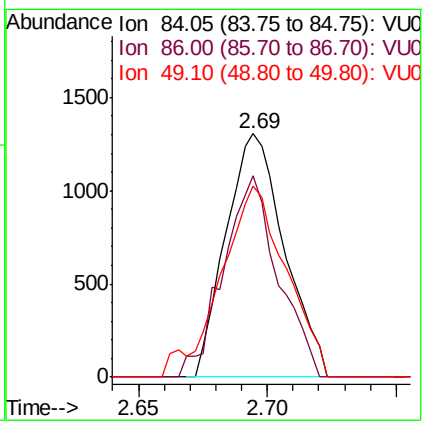


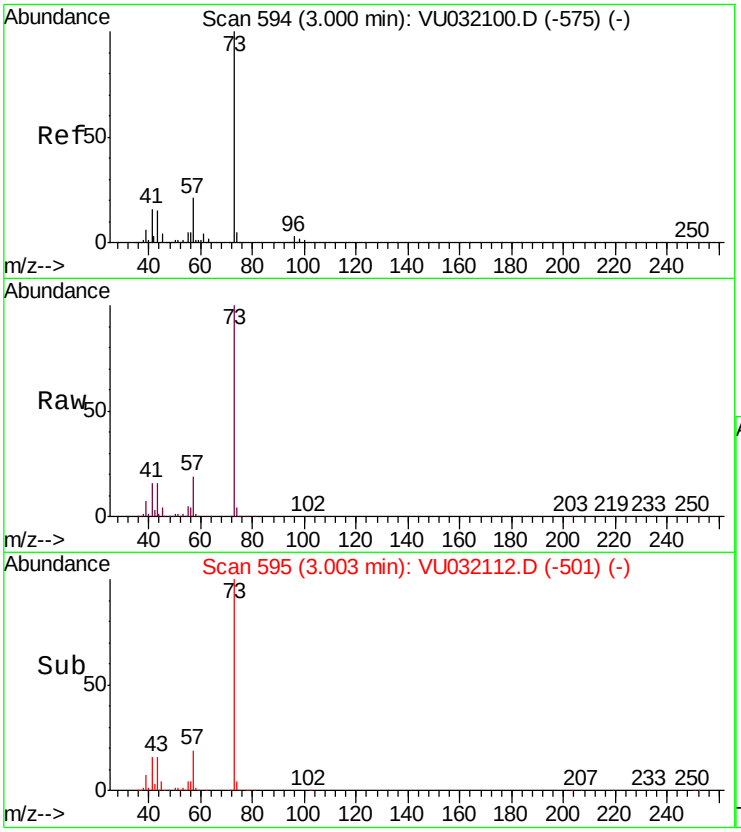




#16
Methylene chloride
Concen: 0.116 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion: 84 Resp: 2063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 82.7 | 43.1 | 80.1# |
| 49 | 86.4 | 67.7 | 125.7 |



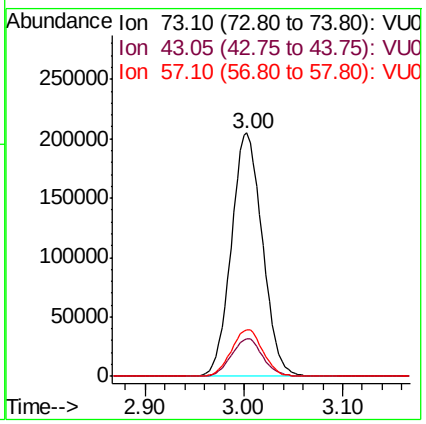


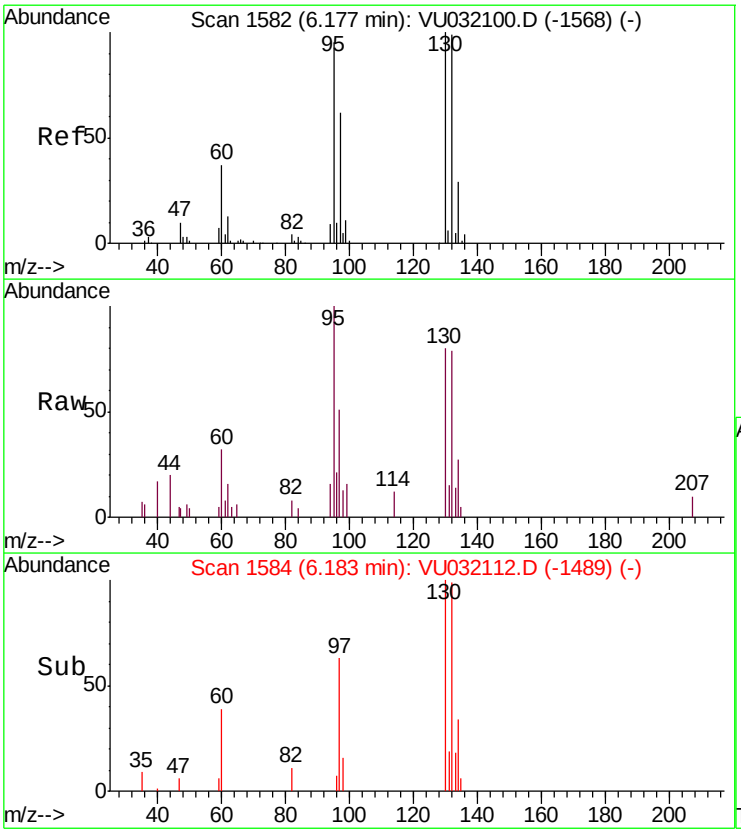

#17
Methyl tert-butyl Ether
Concen: 12.724 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Tgt Ion: 73 Resp: 446098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 15.6 | 13.0 | 19.6 |
| 57 | 19.5 | 17.9 | 26.9 |

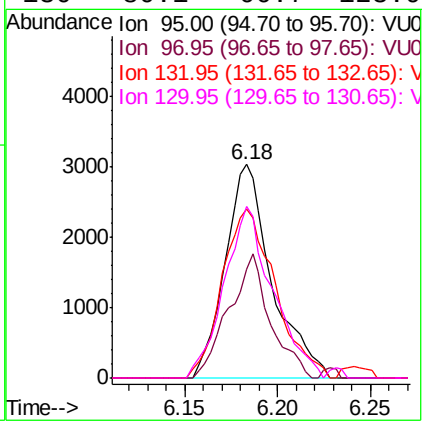


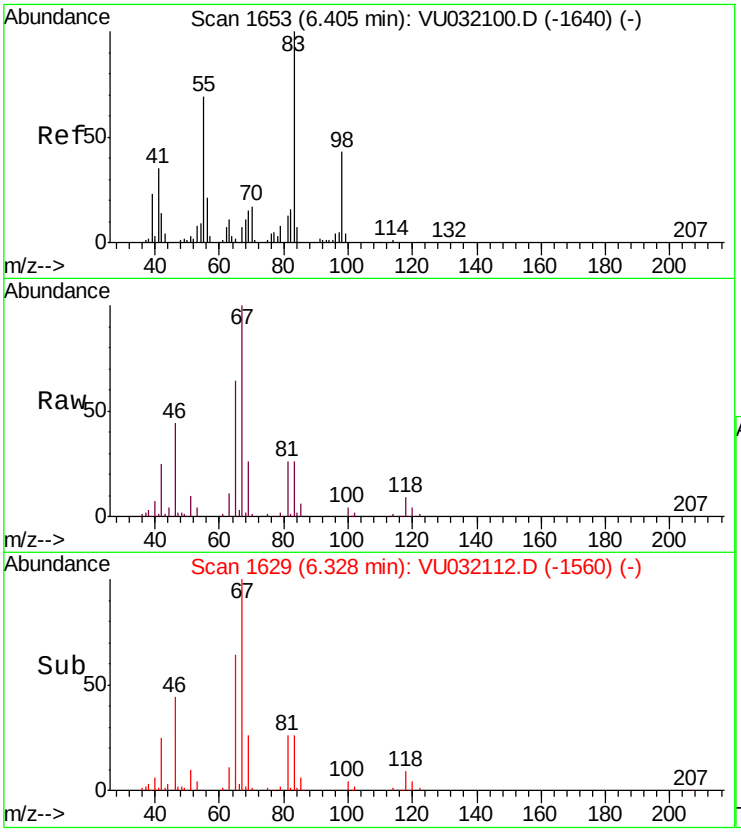




#34
Trichloroethene
Concen: 0.340 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion: 95 Resp: 5310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 50.8 | 45.2 | 84.0 |
| 132 | 79.2 | 66.1 | 122.7 |
| 130 | 80.1 | 66.7 | 123.9 |



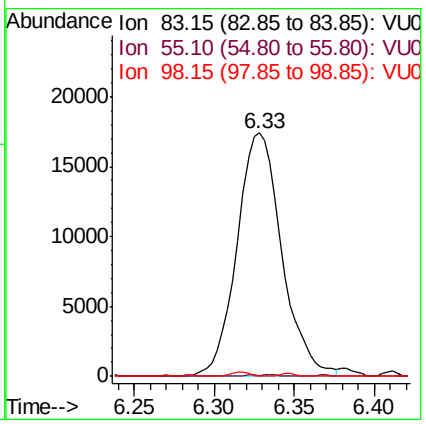


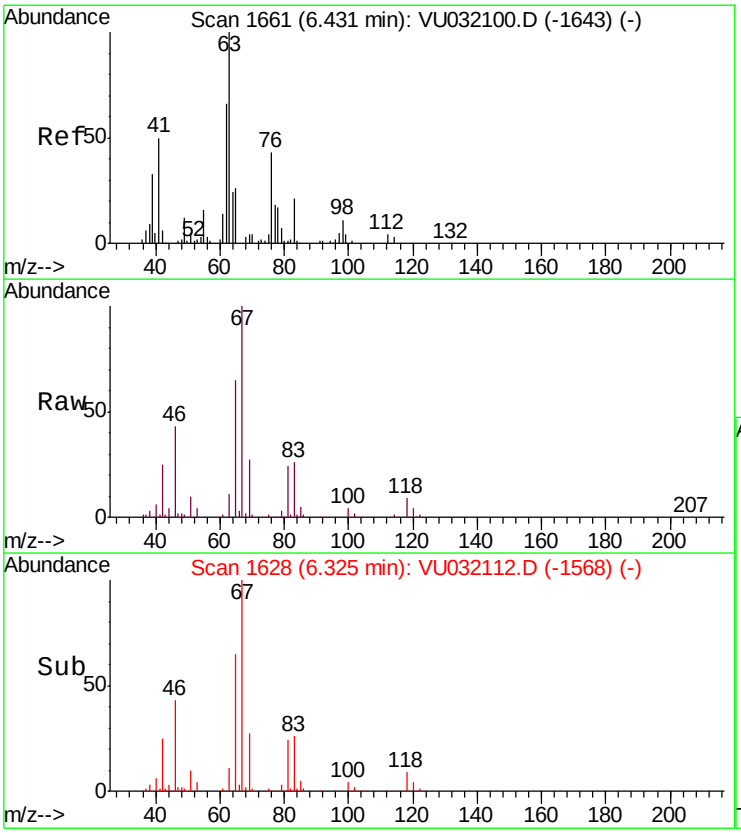

#35
Methylcyclohexane
Concen: 1.482 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Tgt Ion: 83 Resp: 33363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.2 | 59.7 | 89.5# |
| 98 | 0.6 | 36.8 | 55.2# |

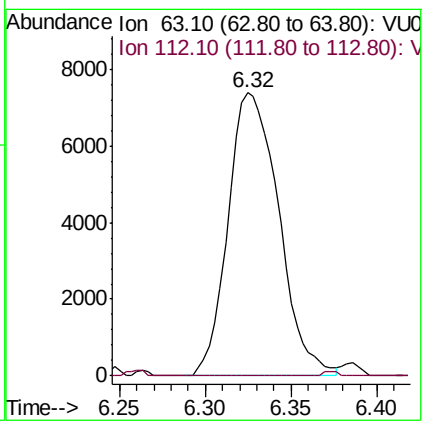


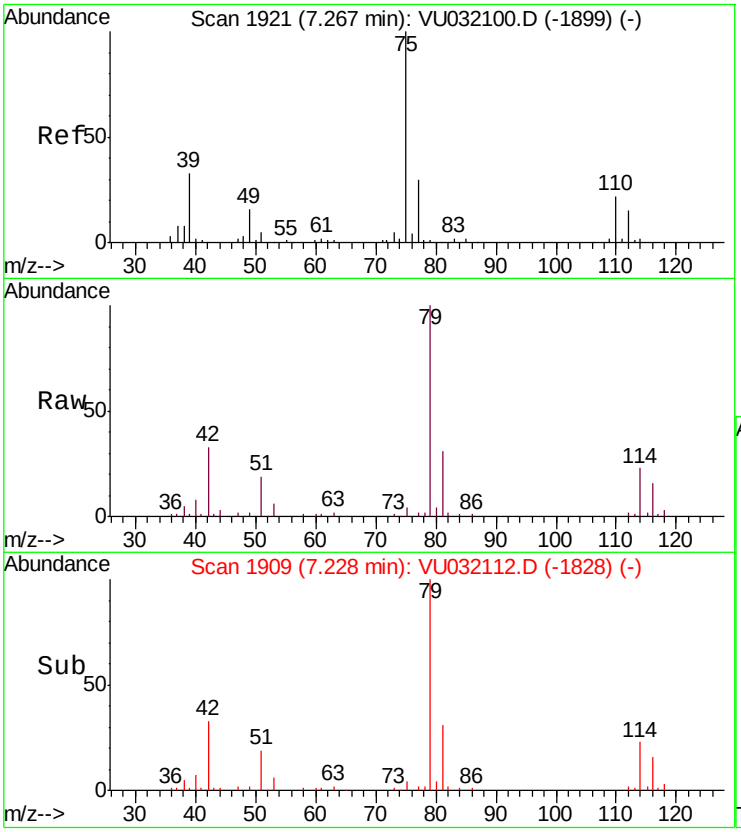




#37
1,2-Dichloropropane
Concen: 1.076 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion: 63 Resp: 15159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.4 | 3.8 | 5.6# |



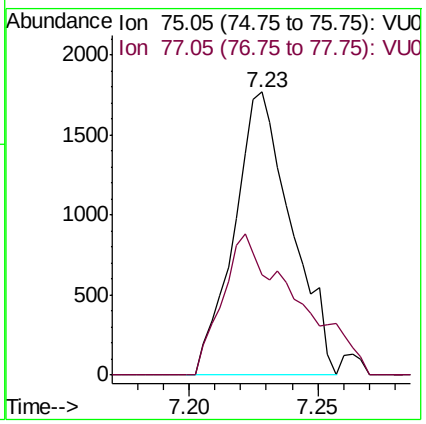


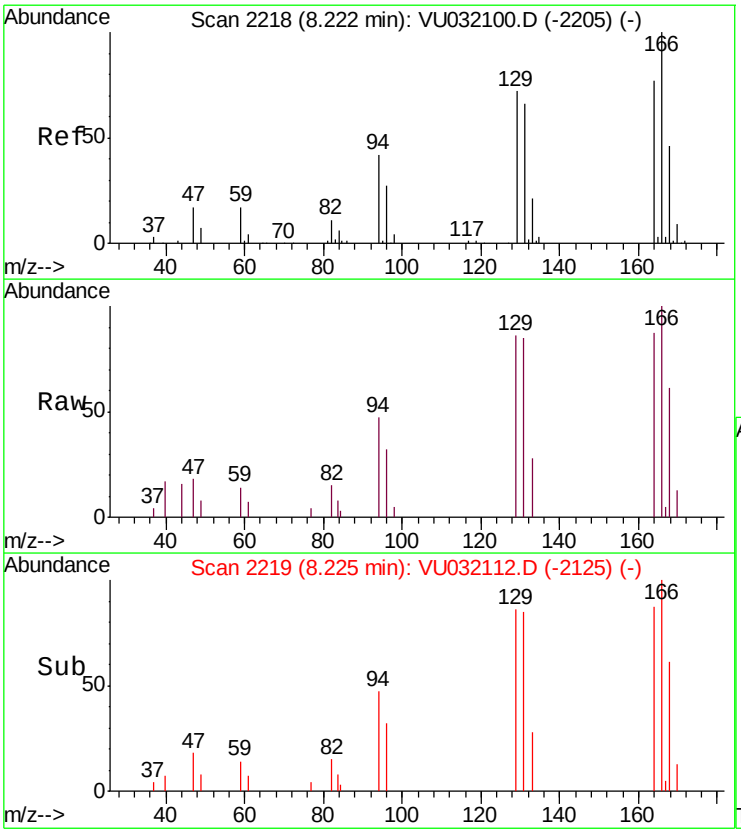

#39
cis-1,3-Dichloropropene
Concen: 0.141 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9W03DL

Tgt Ion: 75 Resp: 2748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.3 | 21.7 | 40.3 |

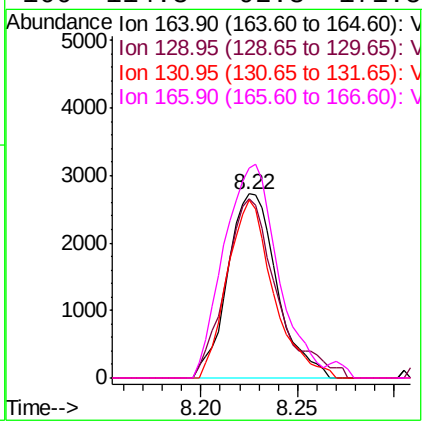


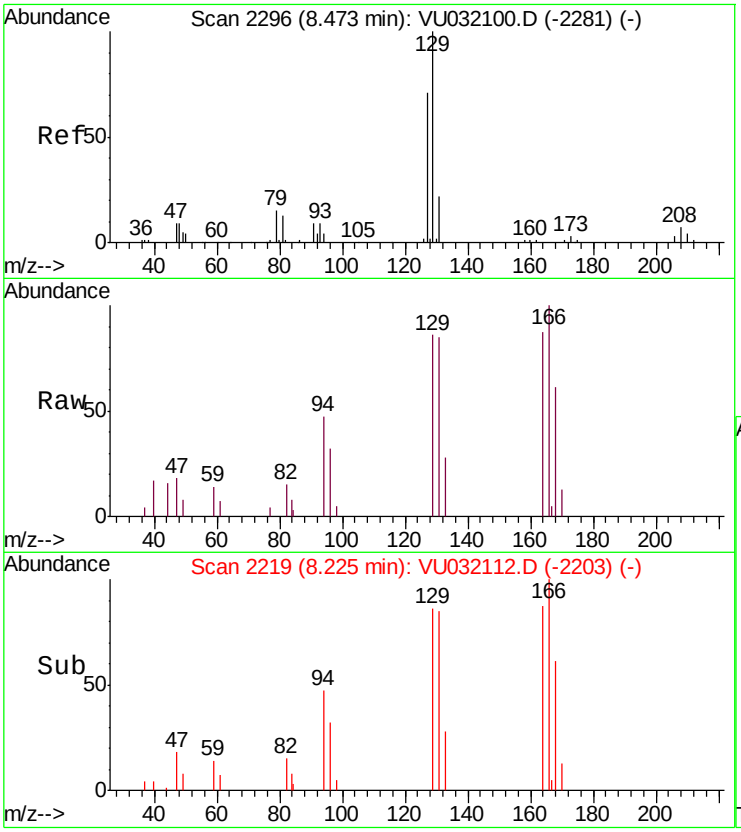




#47
Tetrachloroethene
Concen: 0.413 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion:164 Resp: 4832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 97.8 | 70.3 | 130.5 |
| 131 | 97.1 | 64.5 | 119.9 |
| 166 | 114.3 | 92.3 | 171.5 |



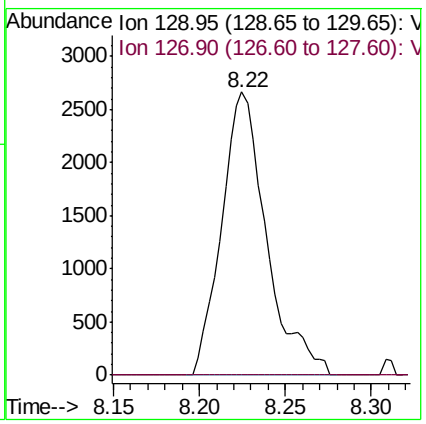


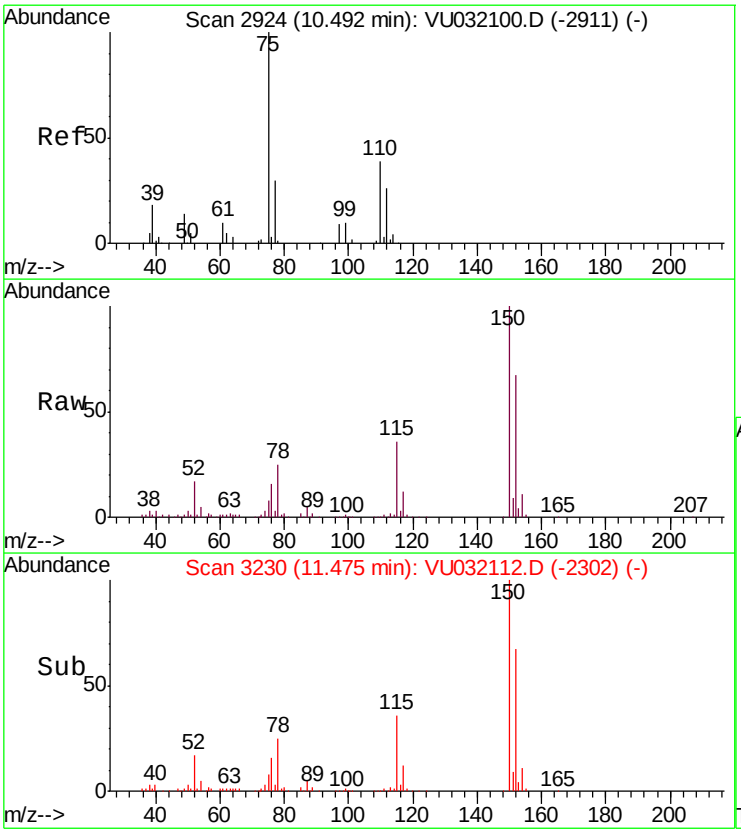

#49
Dibromochloromethane
Concen: 0.406 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

**Instrument :** MSVOA_U
**ClientSampleId :** F9W03DL

Tgt Ion:129 Resp: 4866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 55.2 | 102.6# |




#59
1,2,3-Trichloropropane
Concen: 1.699 ug/L
RT: 11.48 min Scan# 3230
Delta R.T. 0.98 min
Lab File: VU032112.D
Acq: 17 May 2019 19:52

Tgt Ion: 75 Resp: 15202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.8 | 26.2 | 39.2 |