Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082219\

Quantitation Report (Not Reviewed)

Data File : VV012355.D
Acq On : 22 Aug 2019 18:20
Operator : SY/MD
Sample : K4485-16
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F2B94

Quant Time: Aug 23 07:00:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 190073 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 180762 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 85732 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 101689 | 113.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 226.00%# | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 27806 | 43.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 86.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 63165 | 35.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 71.32% | | | |
| 21) 2-Butanone-d5 | 3.95 | 46 | 78983 | 112.60 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 112.60% | | | |
| 24) Chloroform-d | 4.40 | 84 | 126312 | 49.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.76% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 91826 | 52.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.12% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 229462 | 47.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 62155 | 47.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.36% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 222311 | 47.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.64% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 36738 | 45.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 91.52% | | | |
| 47) 2-Hexanone-d5 | 8.13 | 63 | 47973 | 89.17 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 89.17% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 88255 | 47.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 95.08% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 93764 | 49.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 6932814 | 7552.120 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 6518 | 8.525 | ug/L # | 1 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 454453 | 392.792 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 9820577 | 7627.760 | ug/L | 99 |
| 33) Benzene | 5.14 | 78 | 6192 | 1.359 | ug/L | 100 |
| 35) Methylcyclohexane | 6.12 | 83 | 19256 | 9.543 | ug/L # | 20 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 8871 | 8.588 | ug/L # | 82 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 2589 | 1.350 | ug/L | 91 |
| 42) Toluene | 7.43 | 91 | 3158 | 0.614 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 1857 | 1.016 | ug/L # | 68 |
| 48) 2-Hexanone | 8.18 | 43 | 1889 | 1.802 | ug/L # | 94 |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 7108 | 4.829 | ug/L # | 85 |

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

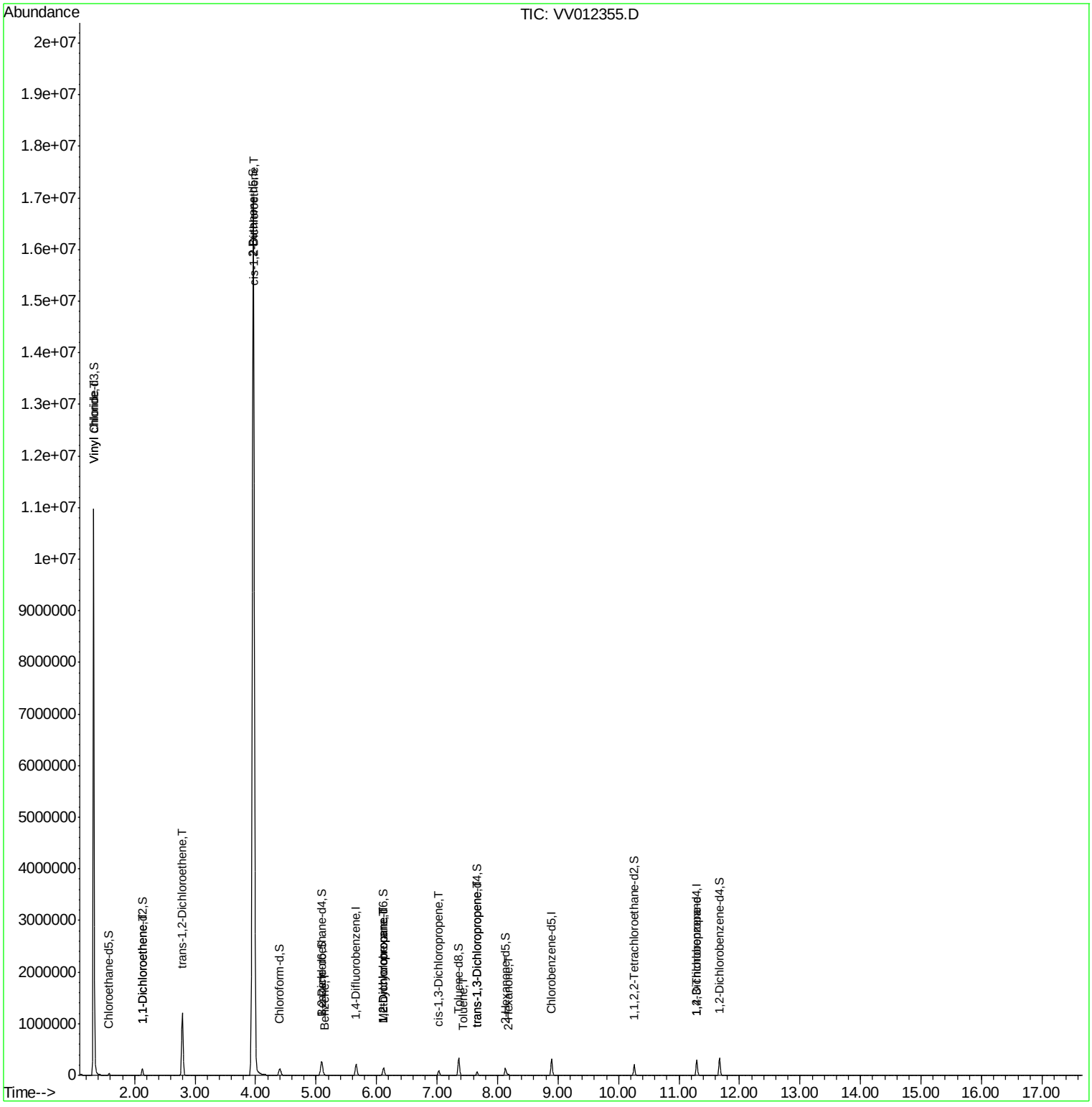
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082219\

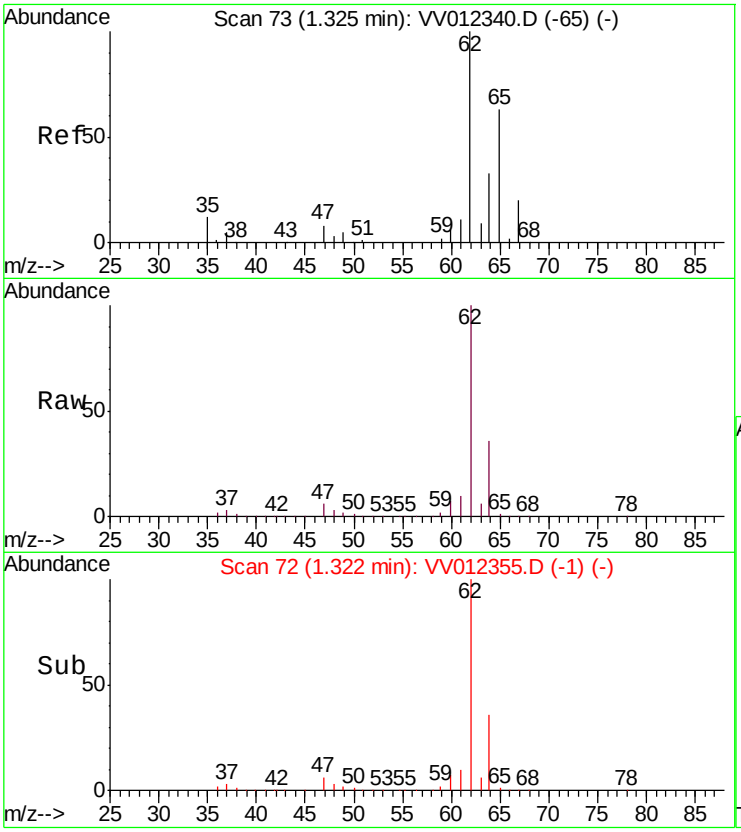
Quantitation Report (Not Reviewed)

Data File : VV012355.D
Acq On : 22 Aug 2019 18:20
Operator : SY/MD
Sample : K4485-16
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
F2B94

Quant Time: Aug 23 07:00:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration



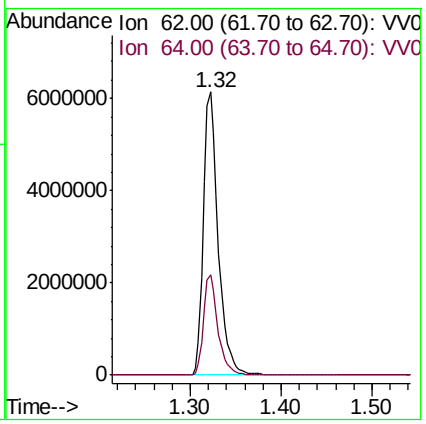


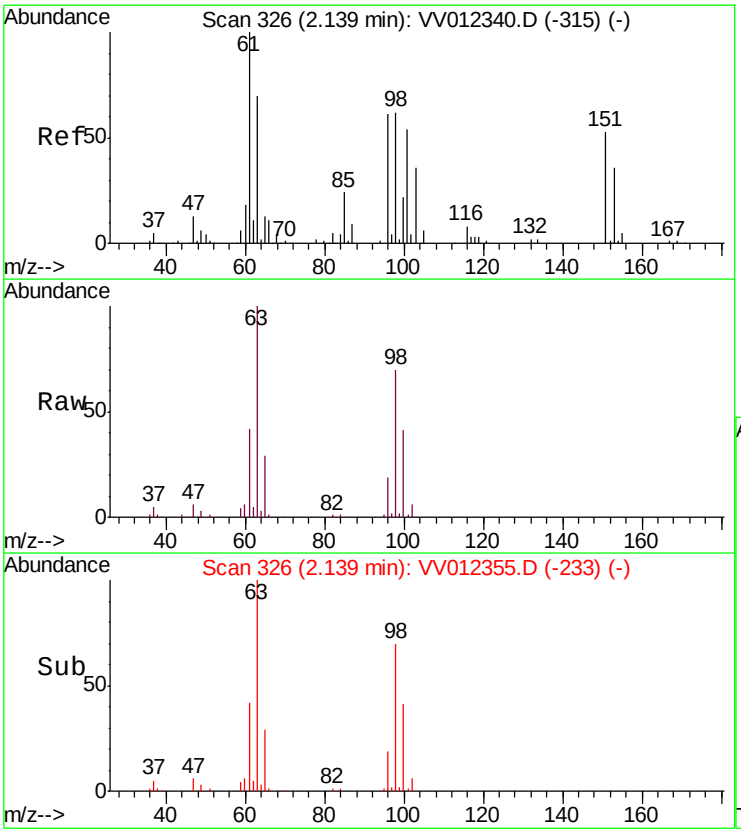

#5
Vinyl chloride
Concen: 7552.120 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :**
MSVOA_V
**ClientSampleId :**
F2B94

Tgt Ion: 62 Resp: 6932814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 35.6 | 23.5 | 43.7 |

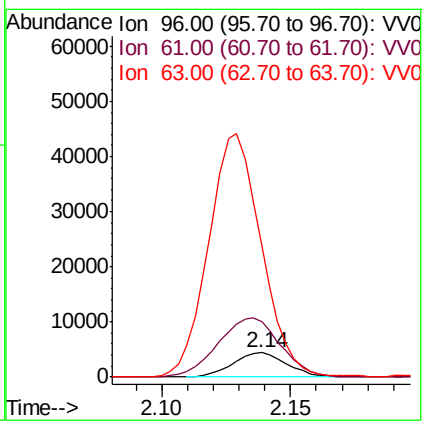


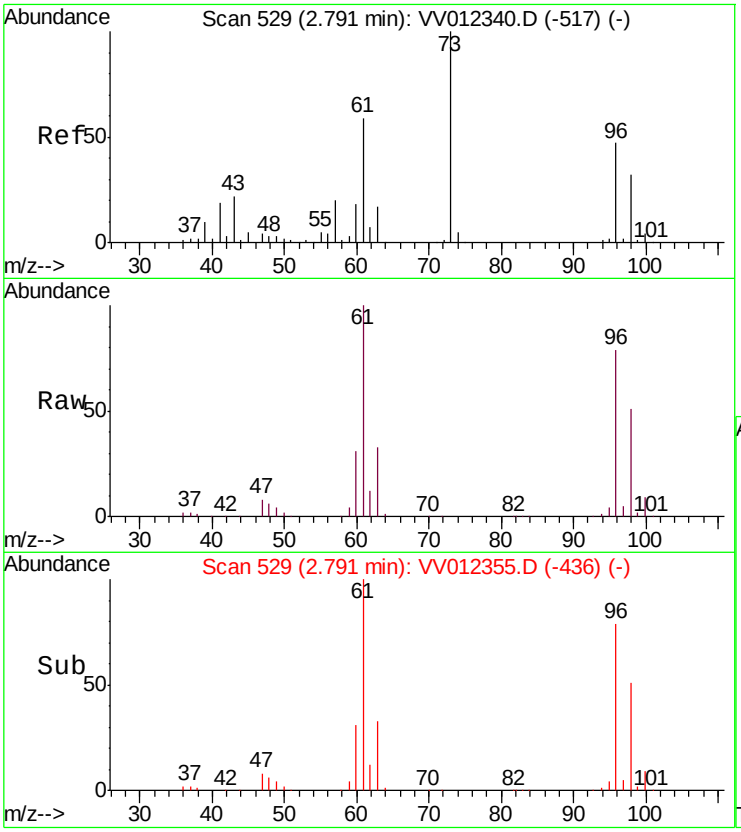




#12
1,1-Dichloroethene
Concen: 8.525 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 96 Resp: 6518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 223.5 | 122.6 | 227.8 |
| 63 | 533.4 | 98.6 | 183.2# |



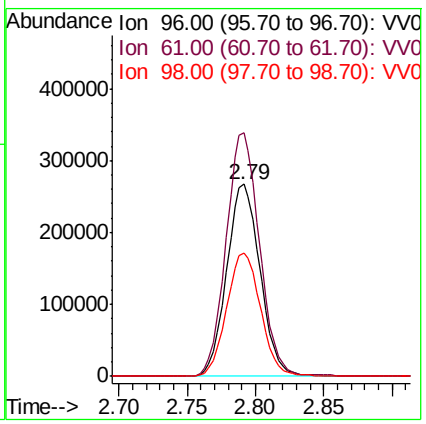


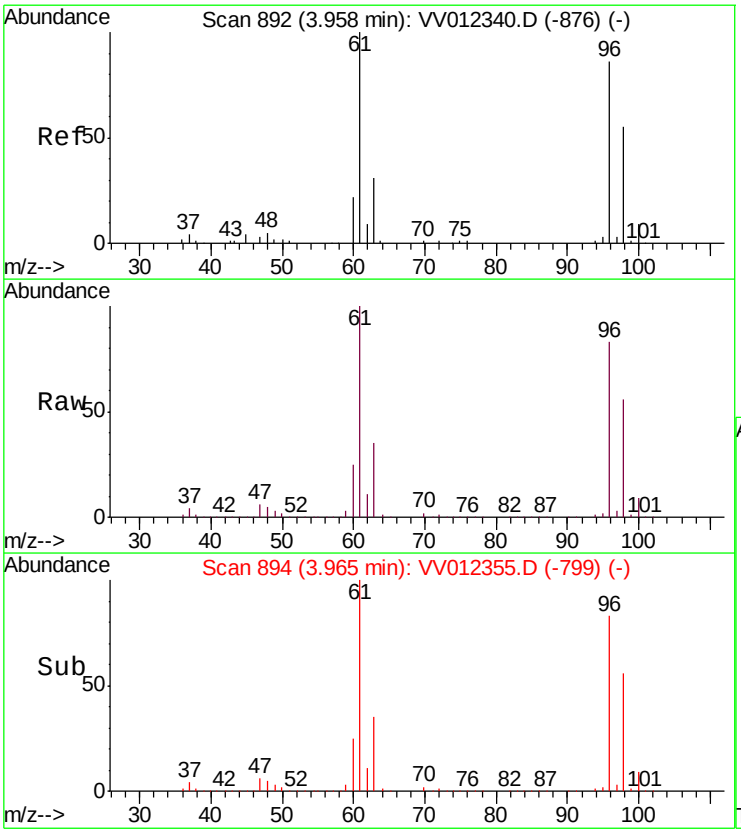

#17
trans-1,2-Dichloroethene
Concen: 392.792 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :**
MSVOA_V
**ClientSampleId :**
F2B94

Tgt Ion: 96 Resp: 454453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.8 | 87.0 | 161.6 |
| 98 | 64.5 | 43.8 | 81.4 |

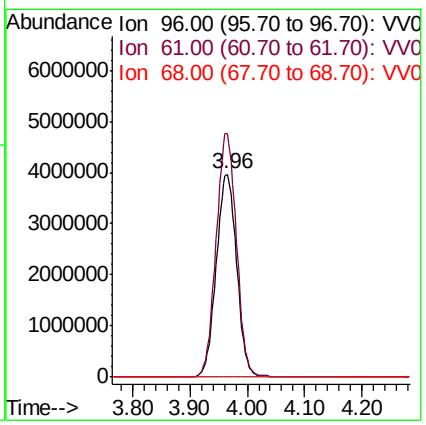


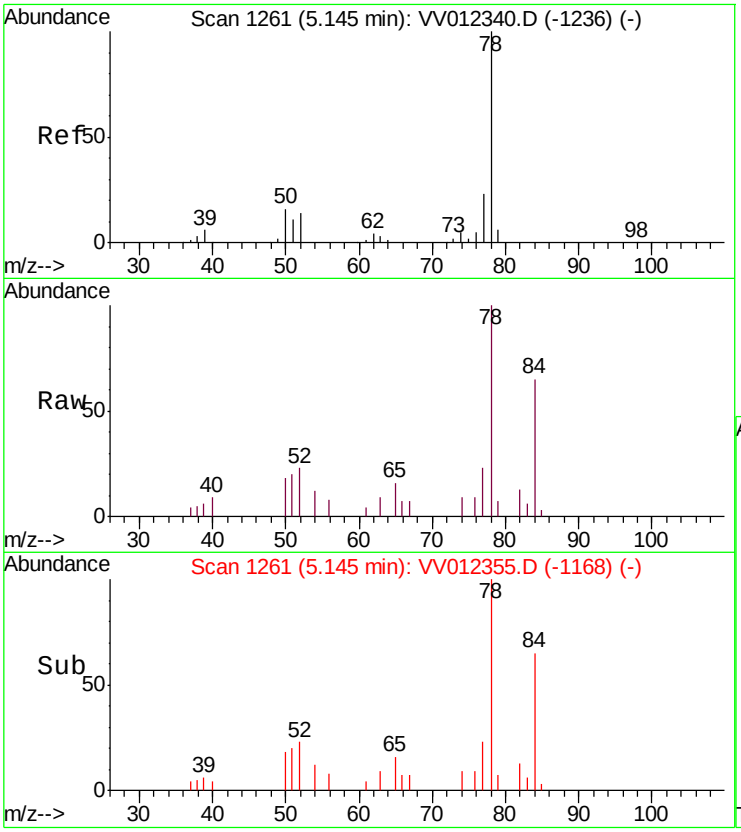




#20
cis-1,2-Dichloroethene
Concen: 7627.760 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 96 Resp: 9820577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.8 | 84.4 | 156.7 |
| 68 | 0.0 | 0.0 | 0.0 |

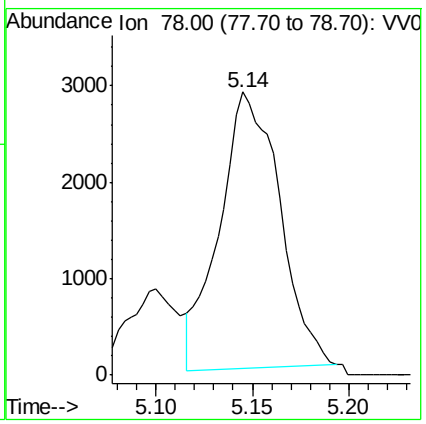


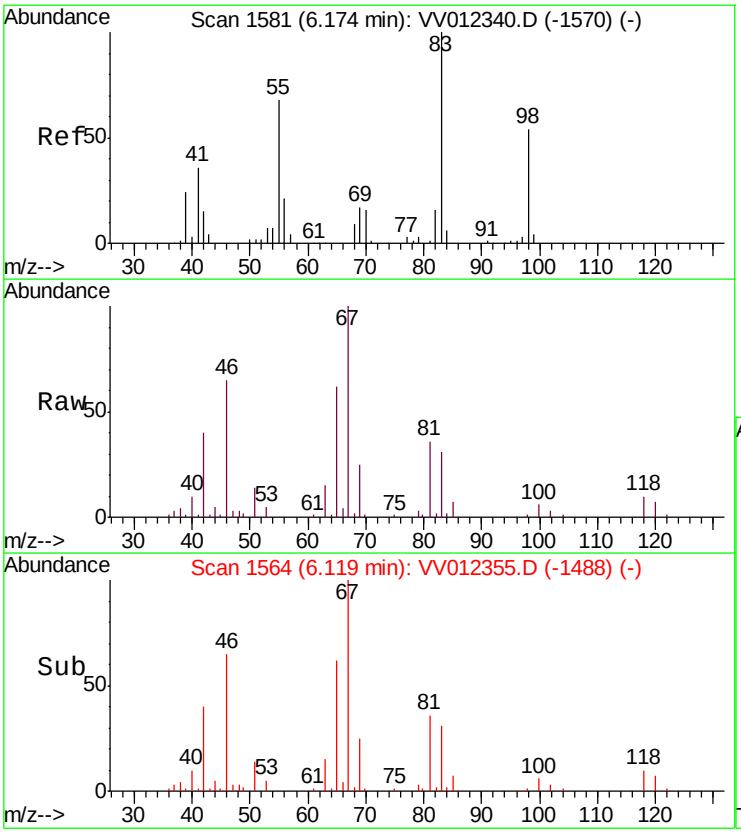



#33
Benzene
Concen: 1.359 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :**
MSVOA_V
**ClientSampleId :**
F2B94

Tgt Ion: 78 Resp: 6192

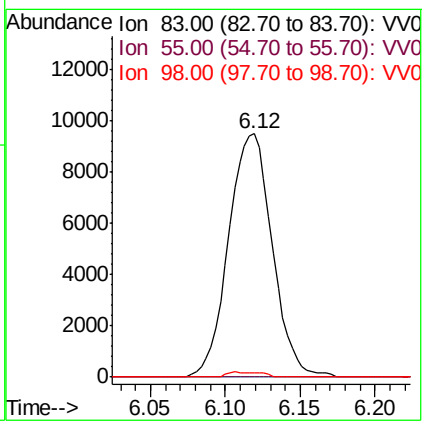


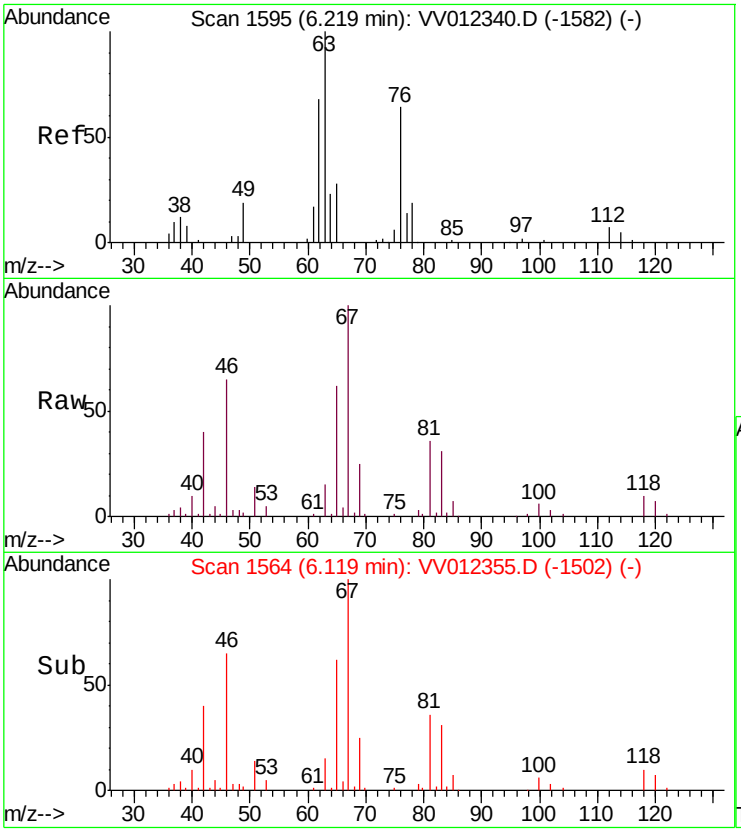




#35
Methylcyclohexane
Concen: 9.543 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 83 Resp: 19256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 56.2 | 84.4# |
| 98 | 0.8 | 42.2 | 63.4# |



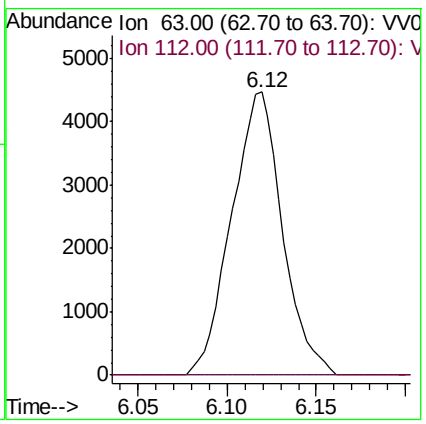


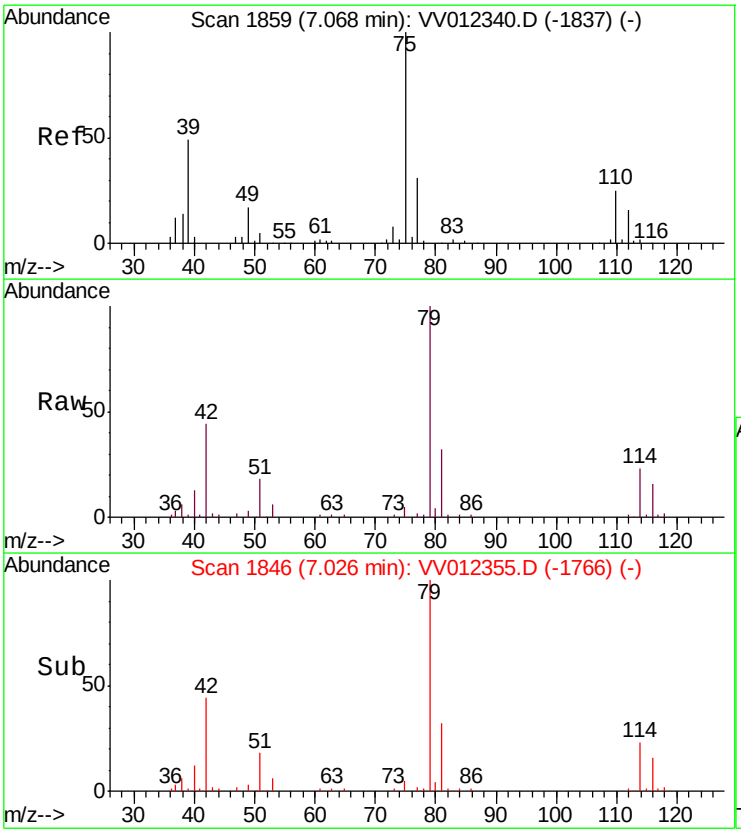

#37
1,2-Dichloropropane
Concen: 8.588 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :** MSVOA_V
**ClientSampleId :** F2B94

Tgt Ion: 63 Resp: 8871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 4.7 | 7.1# |

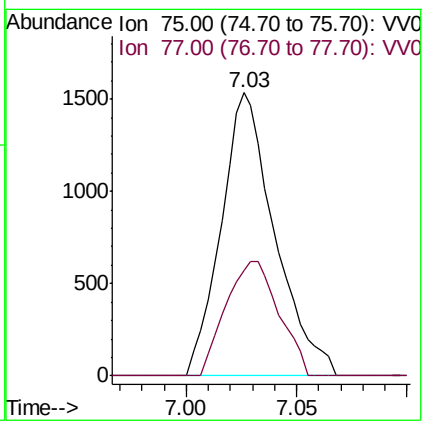


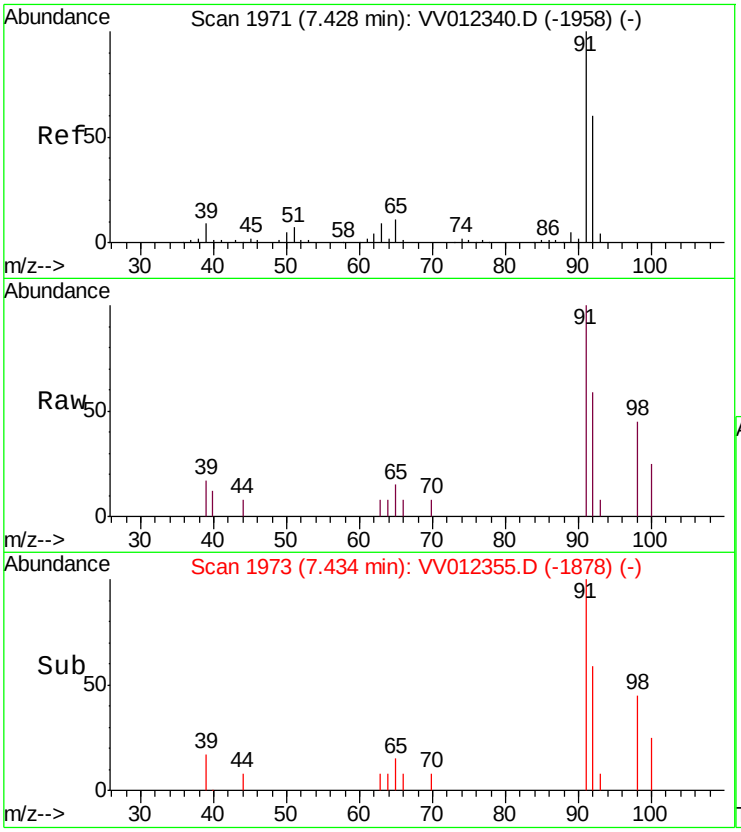




#39
cis-1,3-Dichloropropene
Concen: 1.350 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 75 Resp: 2589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.1 | 22.5 | 41.7 |



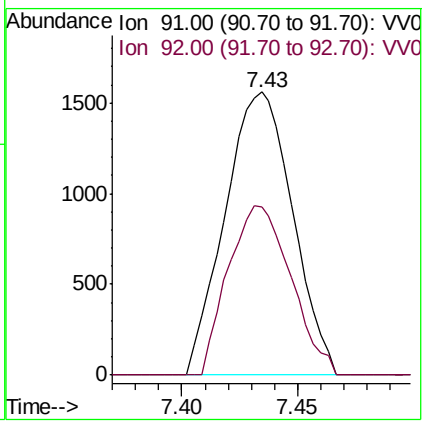


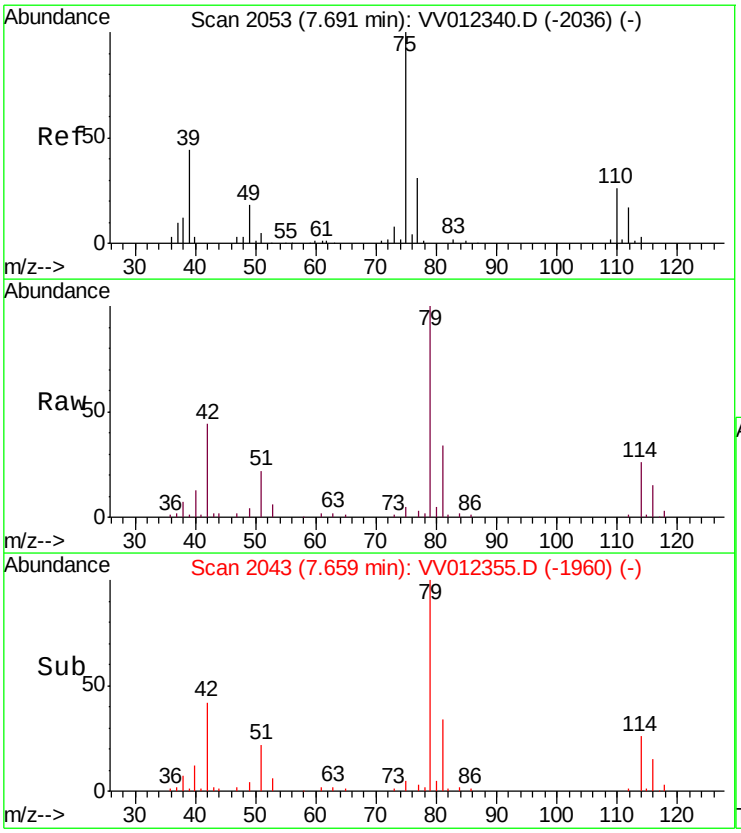

#42
Toluene
Concen: 0.614 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :**
MSVOA_V
**ClientSampleId :**
F2B94

Tgt Ion: 91 Resp: 3158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.4 | 42.4 | 78.6 |

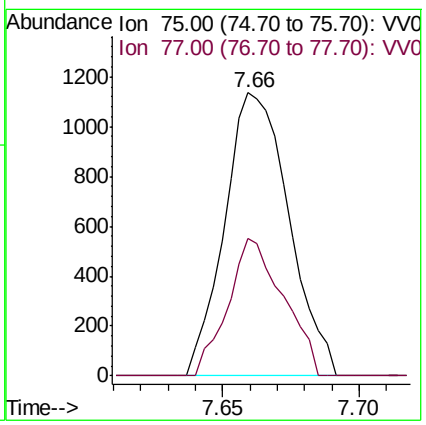


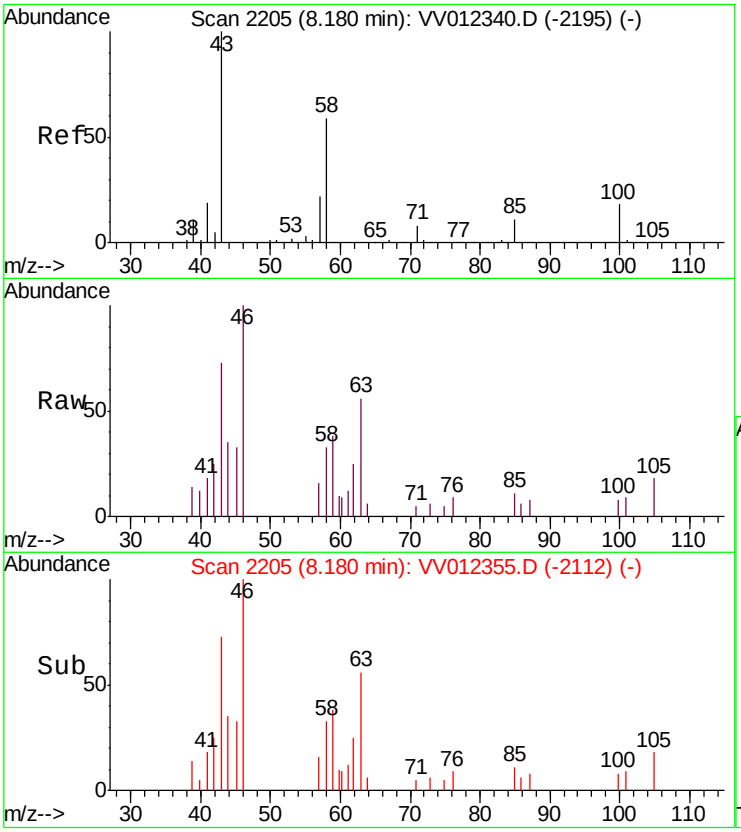




#44
trans-1,3-Dichloropropene
Concen: 1.016 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 75 Resp: 1857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 48.8 | 21.7 | 40.3# |



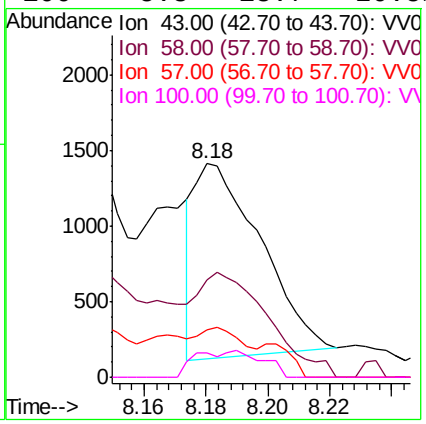


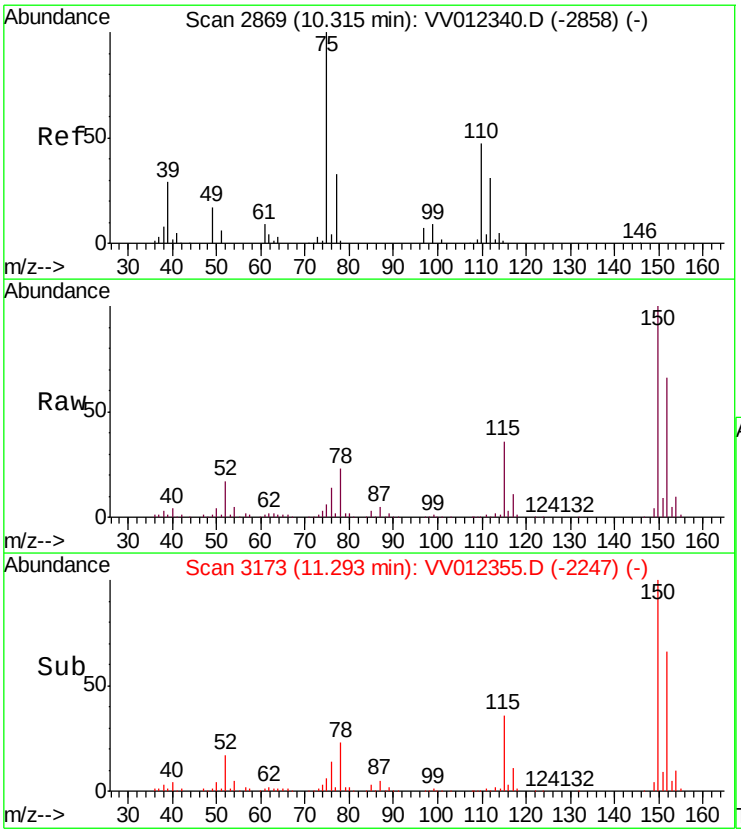

#48
2-Hexanone
Concen: 1.802 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

**Instrument :** MSVOA_V
**ClientSampleId :** F2B94

Tgt Ion: 43 Resp: 1889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 57.1 | 45.7 | 68.5 |
| 57 | 19.1 | 16.8 | 25.2 |
| 100 | 5.8 | 13.7 | 20.5# |




#59
1,2,3-Trichloropropane
Concen: 4.829 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.98 min
Lab File: VV012355.D
Acq: 22 Aug 2019 18:20

Tgt Ion: 75 Resp: 7108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.8 | 26.8 | 40.2# |