Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101220\
Data File : VV018854.D
Acq On : 12 Oct 2020 14:10
Operator : SY/MD
Sample : L4289-04DL 40X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AG7DL

Quant Time: Oct 13 01:10:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 13 01:02:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 332834 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 327894 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 156292 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 139844 | 46.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 92.48% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 109612 | 45.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 90.06% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 199142 | 34.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.32% | | | |
| 21) 2-Butanone-d5 | 3.90 | 46 | 170410 | 91.77 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 91.77% | | | |
| 24) Chloroform-d | 4.38 | 84 | 233679 | 43.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 154966 | 42.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.70% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 436654 | 41.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 82.76% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 153623 | 44.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 89.30% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 423961 | 45.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.52% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 69963 | 41.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 83.20% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 92289 | 76.53 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 76.53% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 144416 | 36.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 72.98% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 155415 | 44.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 89.86% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 37710 | 12.832 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1751 | 0.732 | ug/L # | 19 |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 74090 | 28.832 | ug/L | 99 |
| 25) Chloroform | 4.40 | 83 | 4766 | 0.973 | ug/L | 84 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 4638 | 1.149 | ug/L # | 56 |
| 48) 2-Hexanone | 8.16 | 43 | 16009 | 5.461 | ug/L # | 74 |
| 59) 1,2,3-Trichloropropane | 11.27 | 75 | 18777 | 5.522 | ug/L | 89 |

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

Quantitation Report (Not Reviewed)

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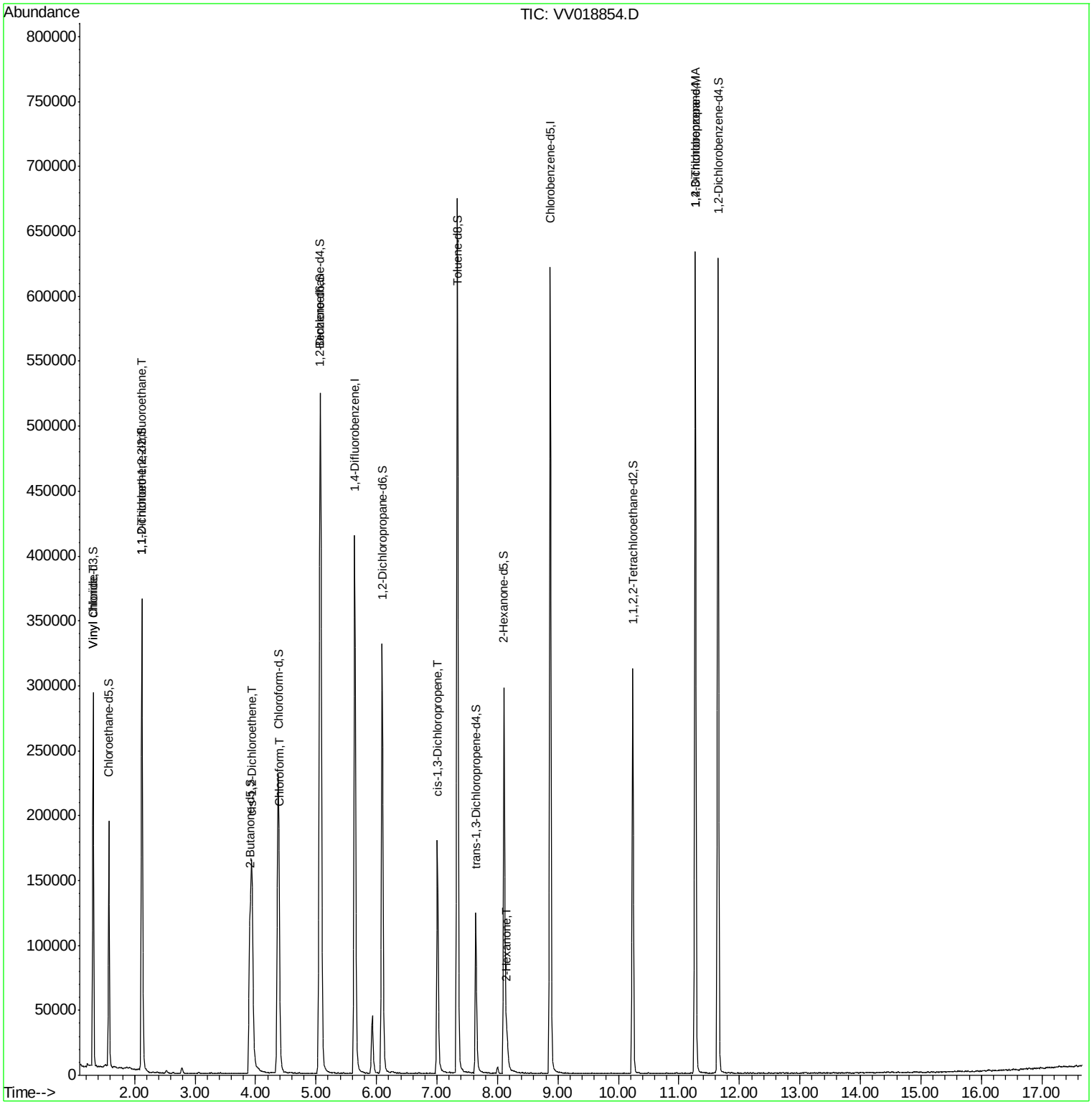
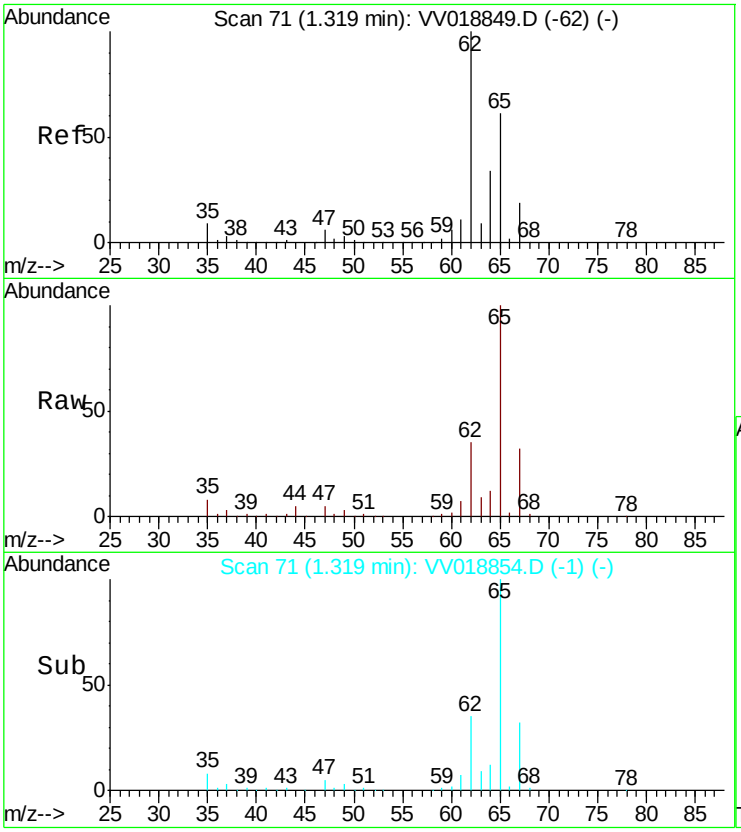
Data File : VV018854.D
Acq On : 12 Oct 2020 14:10
Operator : SY/MD
Sample : L4289-04DL 40X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AG7DL

Quant Time: Oct 13 01:10:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 13 01:02:26 2020
Response via : Initial Calibration



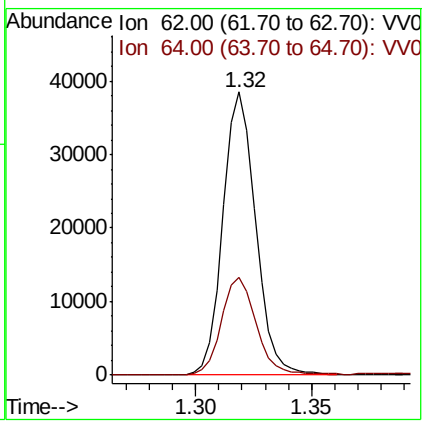


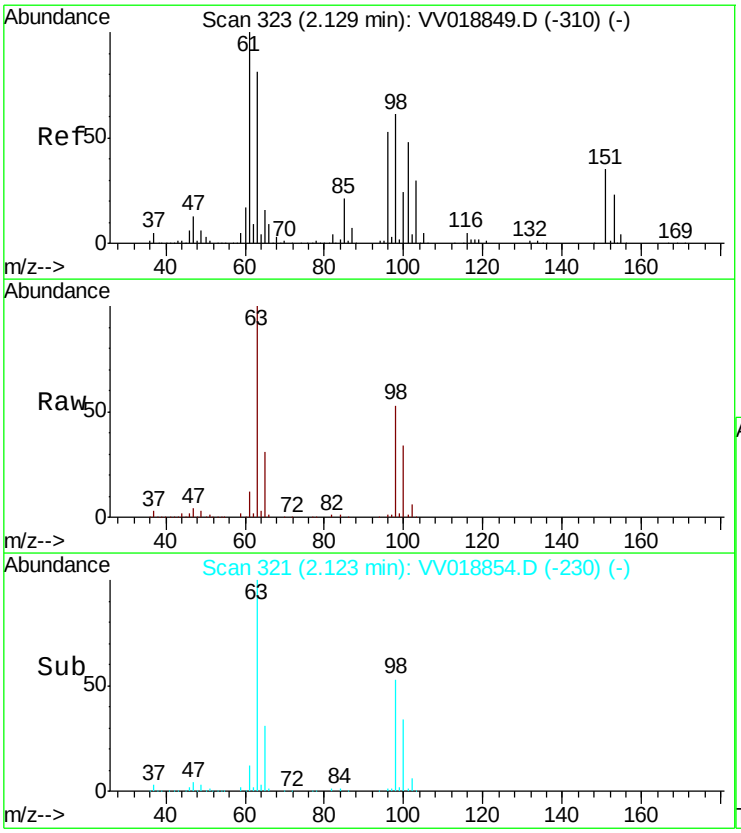

#5
Vinyl chloride
Concen: 12.832 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AG7DL

Tgt Ion: 62 Resp: 37710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.6 | 23.2 | 43.0 |

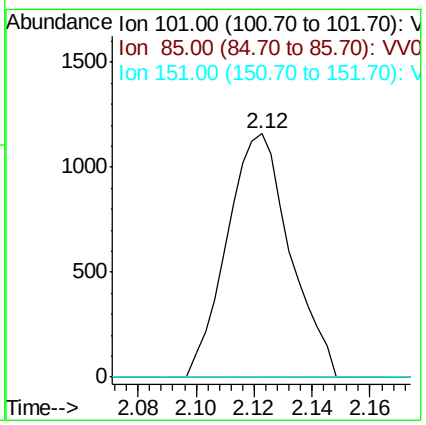


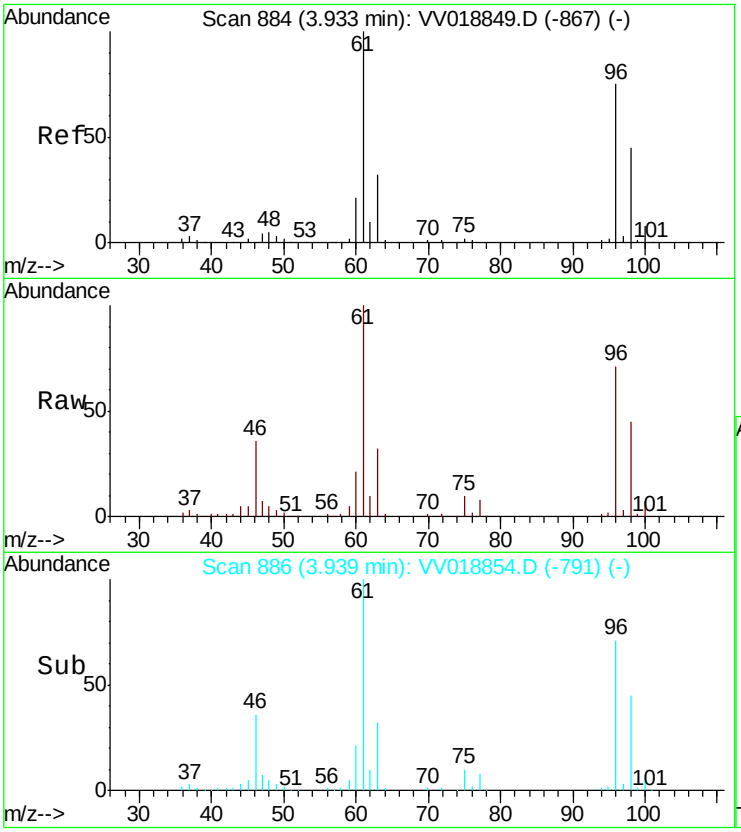




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.732 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

Tgt Ion:101 Resp: 1751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.9 | 53.9# |
| 151 | 0.0 | 59.8 | 89.8# |



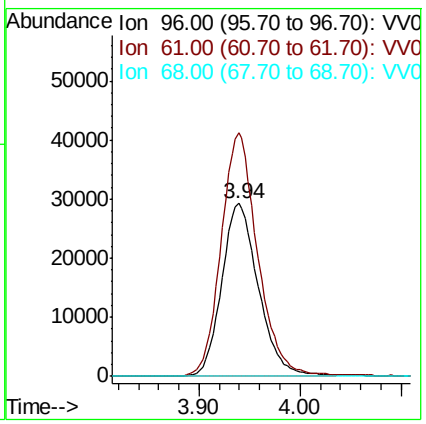


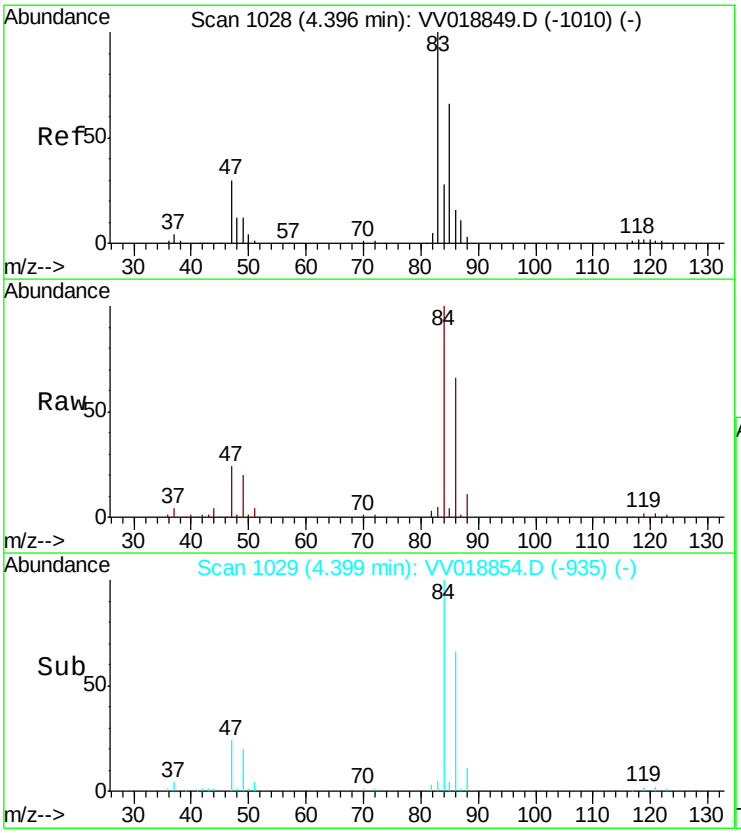

#20
cis-1,2-Dichloroethene
Concen: 28.832 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AG7DL

Tgt Ion: 96 Resp: 74090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.7 | 97.3 | 180.7 |
| 68 | 0.0 | 0.0 | 0.0 |

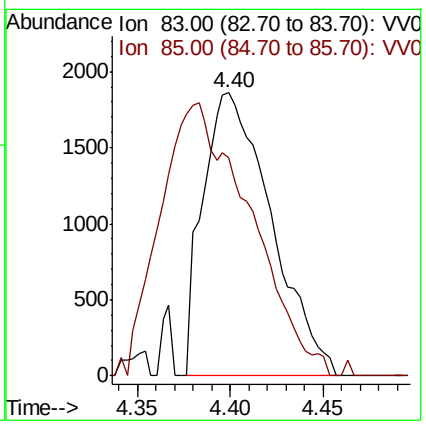


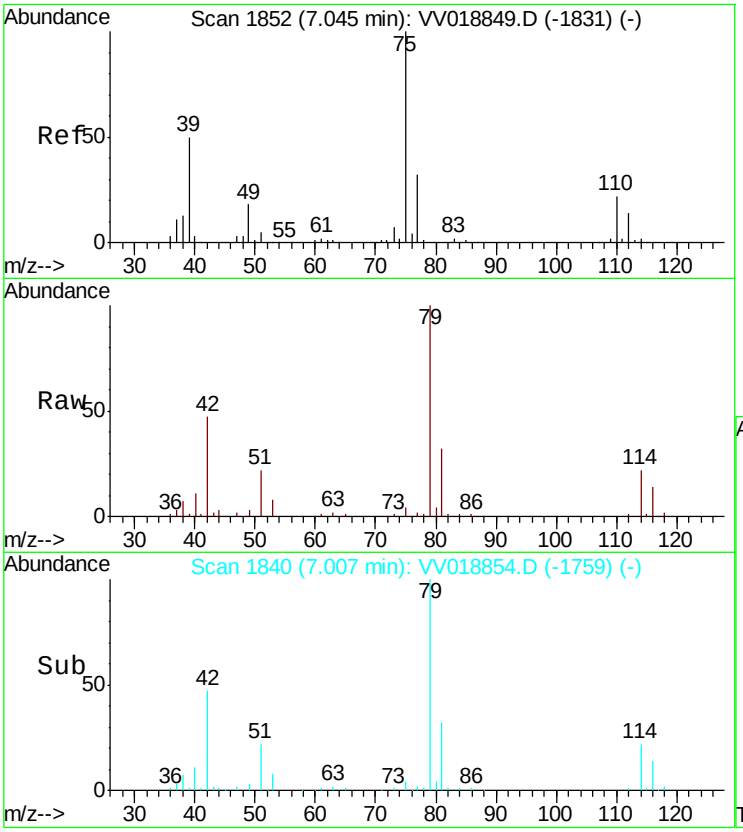




#25
Chloroform
Concen: 0.973 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

Tgt Ion: 83 Resp: 4766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 77.0 | 45.0 | 83.6 |



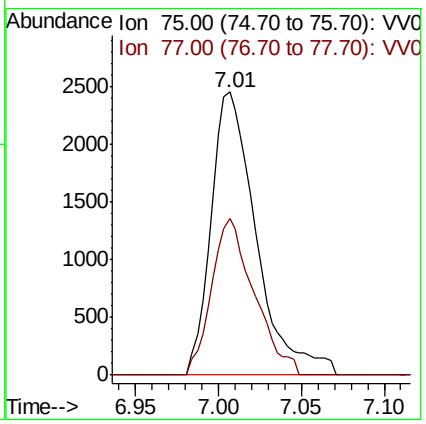


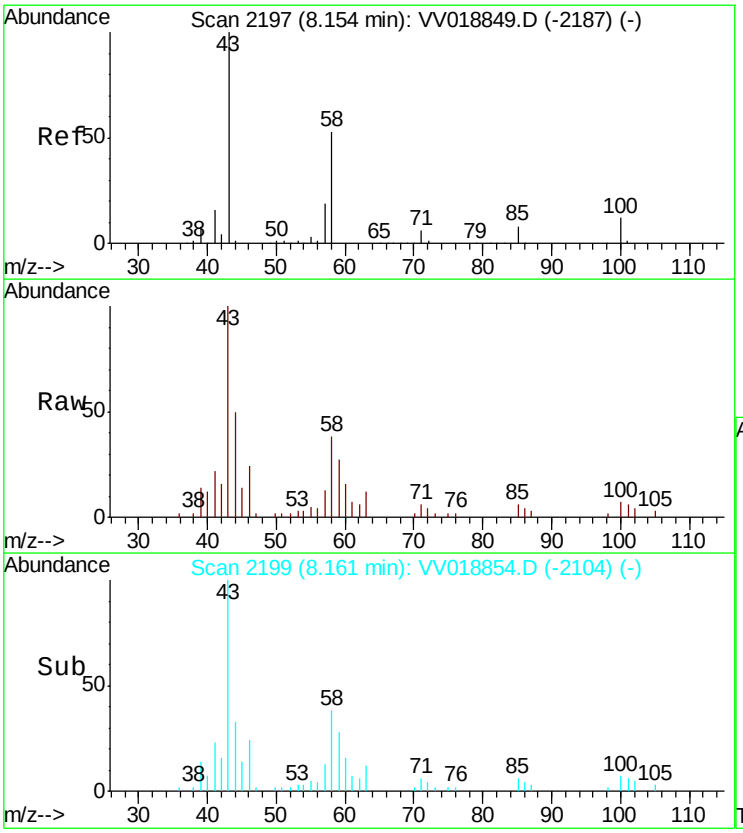

#39
cis-1,3-Dichloropropene
Concen: 1.149 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AG7DL

Tgt Ion: 75 Resp: 4638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 55.5 | 21.8 | 40.6# |

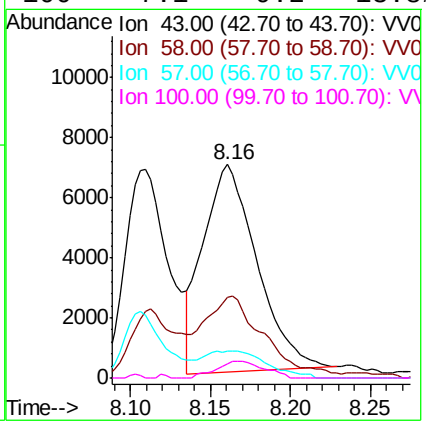


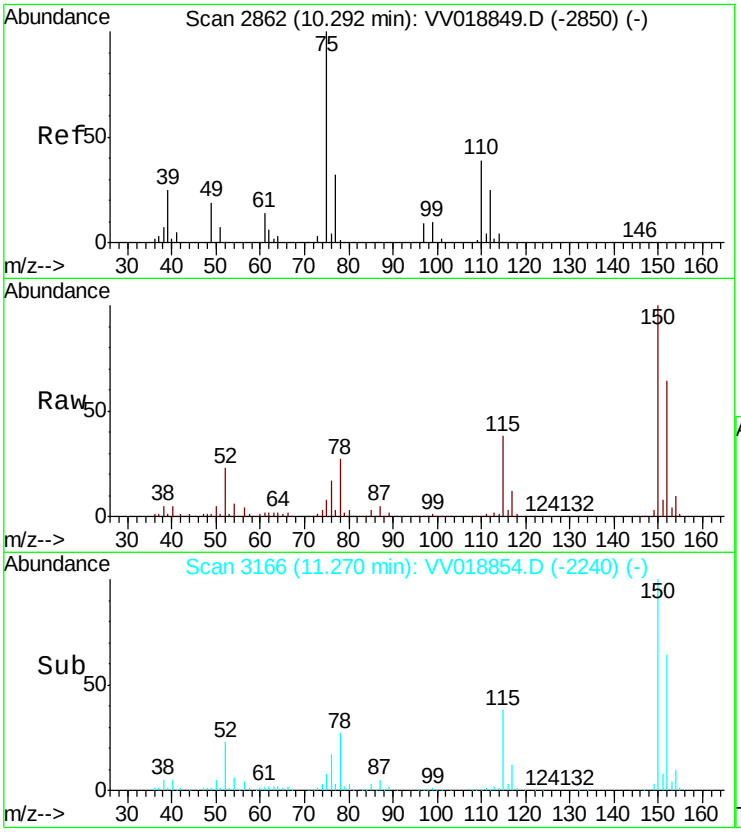




#48
2-Hexanone
Concen: 5.461 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

Tgt Ion: 43 Resp: 16009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.1 | 41.8 | 62.8# |
| 57 | 1.2 | 14.9 | 22.3# |
| 100 | 7.1 | 9.2 | 13.8# |






#59
1,2,3-Trichloropropane
Concen: 5.522 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018854.D
Acq: 12 Oct 2020 14:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AG7DL

Tgt Ion: 75 Resp: 18777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.5 | 25.9 | 38.9 |