Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022819\

Quantitation Report (Not Reviewed)

Data File : VV009429.D
Acq On : 28 Feb 2019 17:48
Operator : SY/MD
Sample : K1599-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** CWJY6

Quant Time: Mar 01 03:54:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 101411 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 93775 | 5.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 44385 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 26192 | 4.95 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 99.00% | | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 22772 | 4.76 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.20% | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 47639 | 3.56 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 71.20% | | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 56019 | 55.77 | ug/L | | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 111.54% | | | | |
| 24) Chloroform-d | 4.41 | 84 | 51665 | 4.98 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.60% | | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 27598 | 5.39 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.80% | | | | |
| 32) Benzene-d6 | 5.10 | 84 | 109494 | 5.49 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 109.80% | | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 31721 | 5.23 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 104.60% | | | | |
| 41) Toluene-d8 | 7.36 | 98 | 110284 | 5.41 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 108.20% | | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 13527 | 5.04 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 100.80% | | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 49246 | 56.57 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 113.14% | | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 24804 | 5.26 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 105.20% | | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 38631 | 5.41 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 108.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 1189 | 0.180 | ug/L | | 92 |
| 5) Vinyl chloride | 1.32 | 62 | 2401 | 0.332 | ug/L | # | 1 |
| 8) Chloroethane | 1.60 | 64 | 578 | 0.120 | ug/L | # | 57 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 1923 | 0.289 | ug/L | # | 1 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 16507 | 2.294 | ug/L | | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 385294 | 57.329 | ug/L | | 98 |
| 27) 1,2-Dichloroethane | 5.11 | 62 | 755 | 0.111 | ug/L | # | 77 |
| 33) Benzene | 5.15 | 78 | 2154 | 0.090 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 329565 | 47.883 | ug/L | | 97 |
| 35) Methylcyclohexane | 6.12 | 83 | 7633 | 0.675 | ug/L | # | 18 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 4081 | 0.684 | ug/L | # | 88 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 1257 | 0.134 | ug/L | # | 72 |
| 42) Toluene | 7.43 | 91 | 4087 | 0.147 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 709 | 0.097 | ug/L | # | 28 |
| 47) Tetrachloroethene | 8.02 | 164 | 6301 | 1.166 | ug/L | | 97 |
| 49) Dibromochloromethane | 8.02 | 129 | 5997 | 1.079 | ug/L | # | 9 |
| 51) Chlorobenzene | 8.93 | 112 | 9141 | 0.505 | ug/L | | 95 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022819\

Quantitation Report (Not Reviewed)

Data File : VV009429.D
Acq On : 28 Feb 2019 17:48
Operator : SY/MD
Sample : K1599-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** CWJY6

Quant Time: Mar 01 03:54:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 1942 | 0.142 | ug/L | 86 |

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

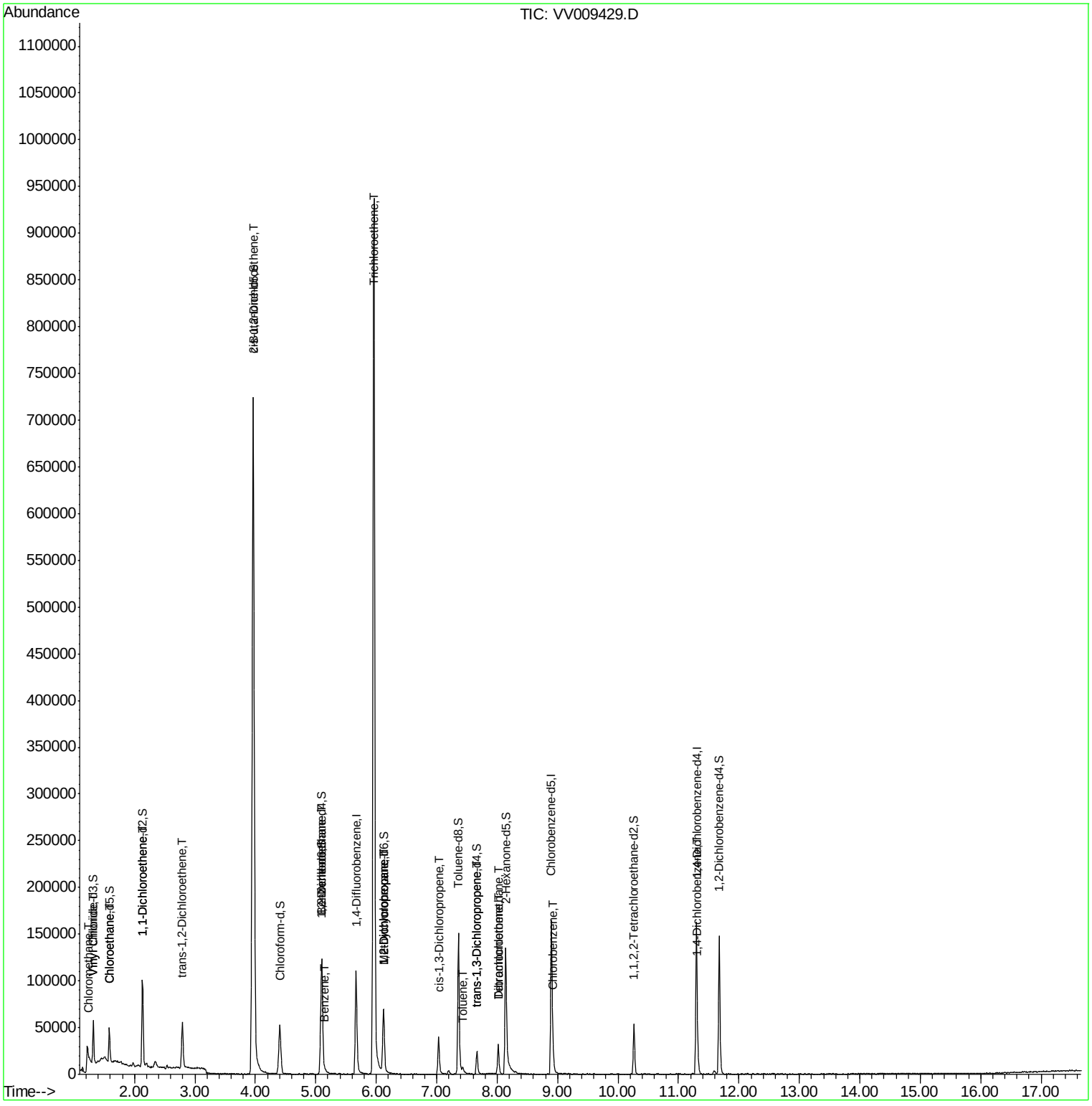
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022819\

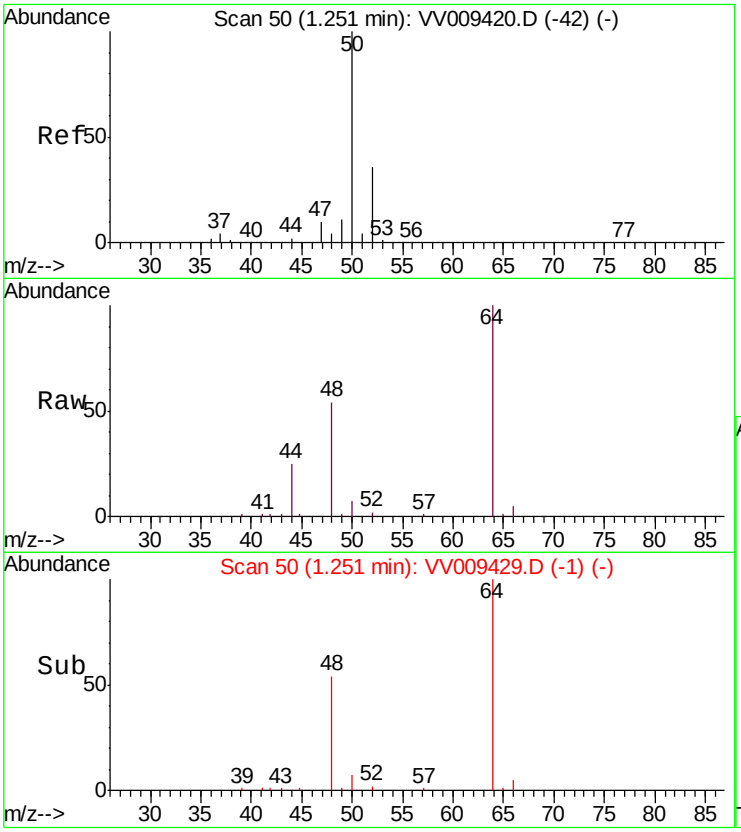
Quantitation Report (Not Reviewed)

Data File : VV009429.D
Acq On : 28 Feb 2019 17:48
Operator : SY/MD
Sample : K1599-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** CWJY6

Quant Time: Mar 01 03:54:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration



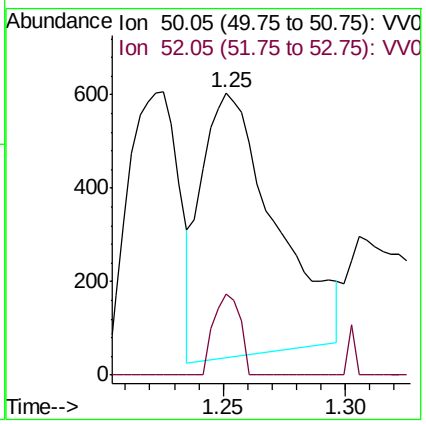


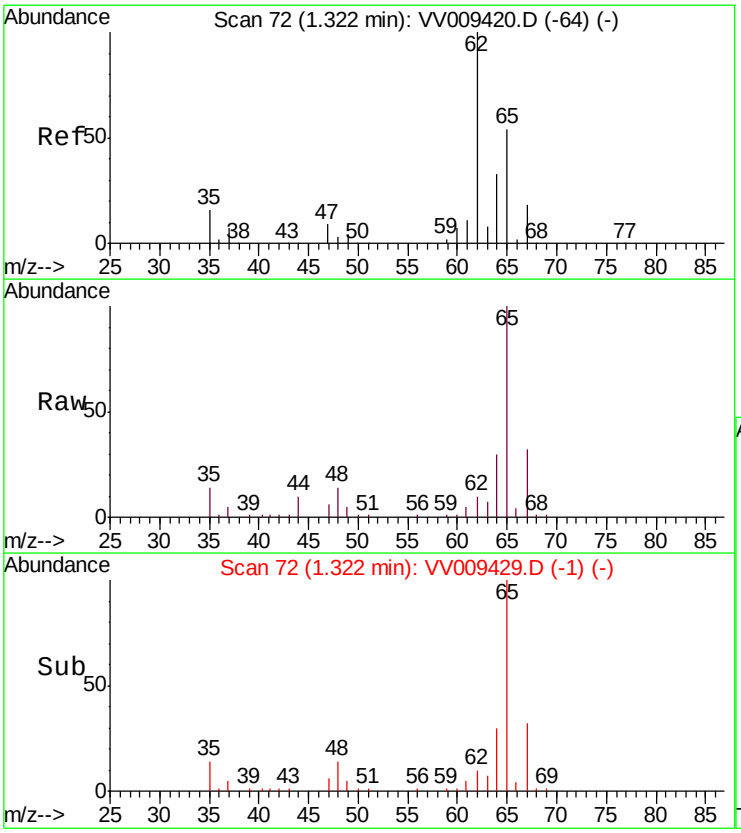

#3
Chloromethane
Concen: 0.180 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 50 Resp: 1189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.8 | 23.5 | 43.7 |

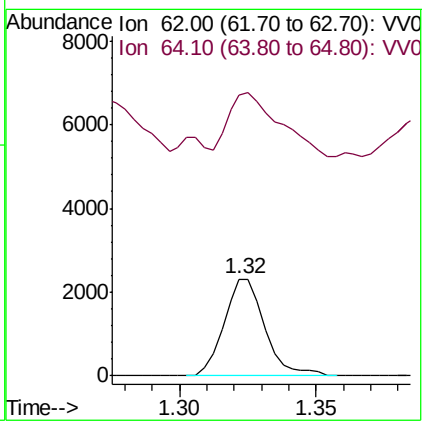


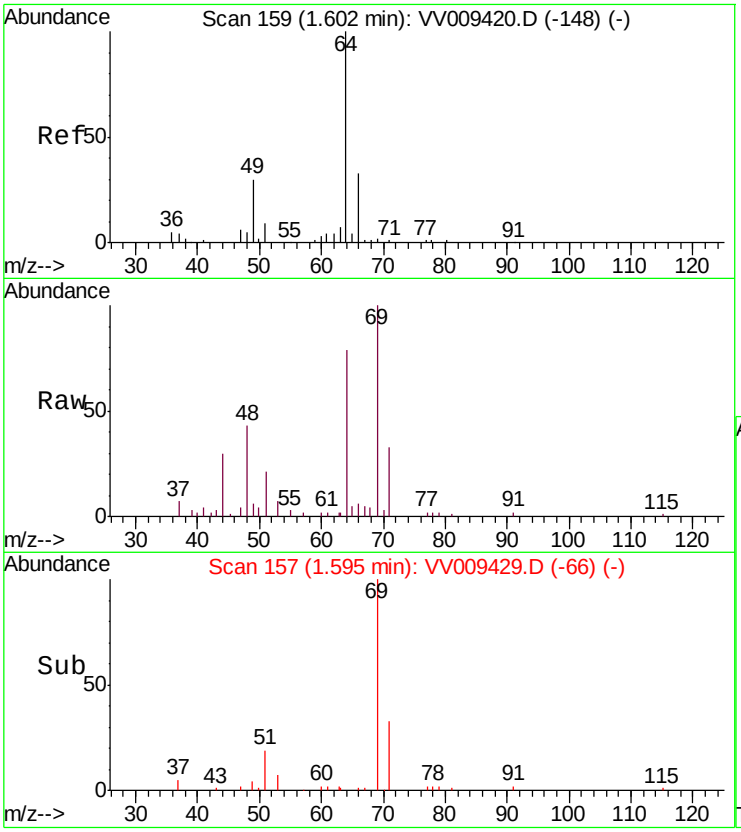




#5
Vinyl chloride
Concen: 0.332 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 62 Resp: 2401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 290.4 | 21.6 | 40.0# |



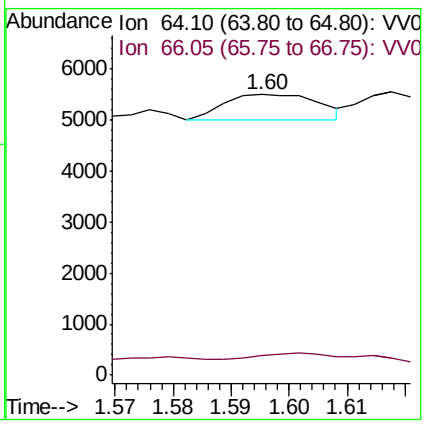


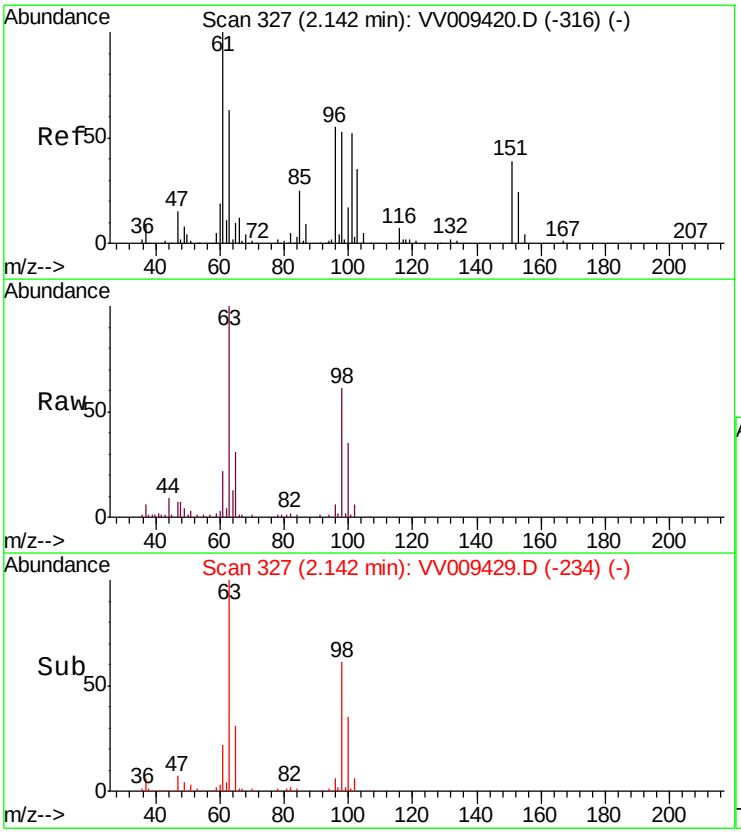

#8
Chloroethane
Concen: 0.120 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.01 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 64 Resp: 578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 7.0 | 21.3 | 39.5# |

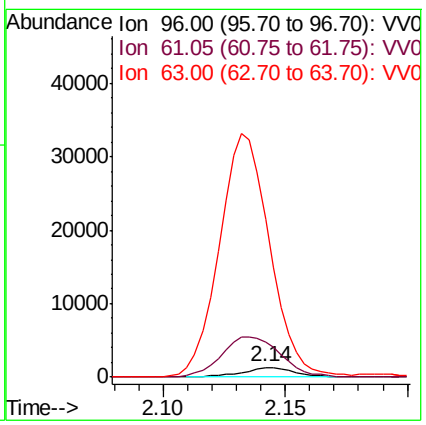


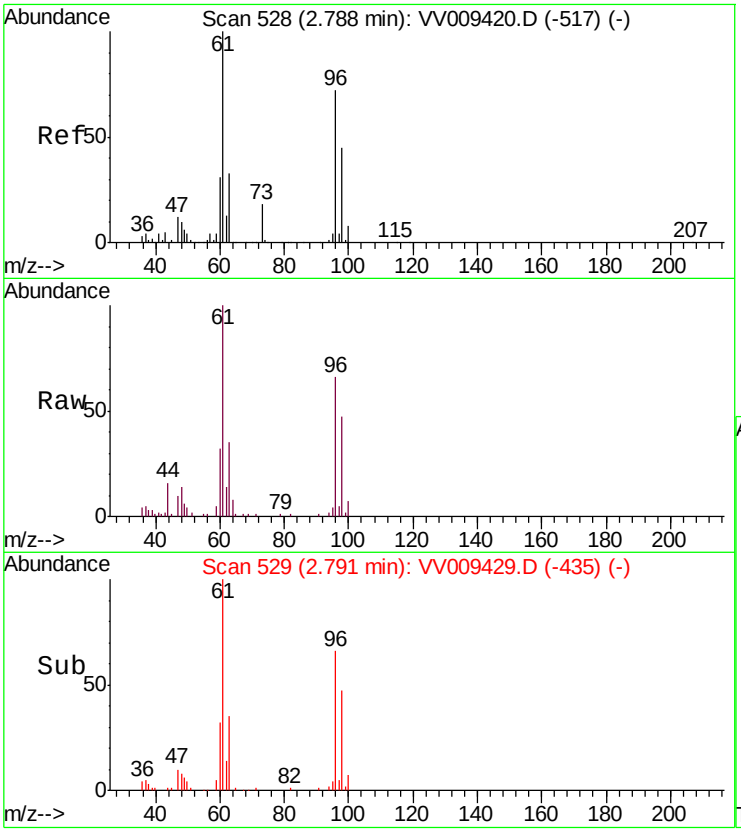




#12
1,1-Dichloroethene
Concen: 0.289 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 96 Resp: 1923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 370.5 | 123.1 | 228.5# |
| 63 | 1676.0 | 82.9 | 153.9# |



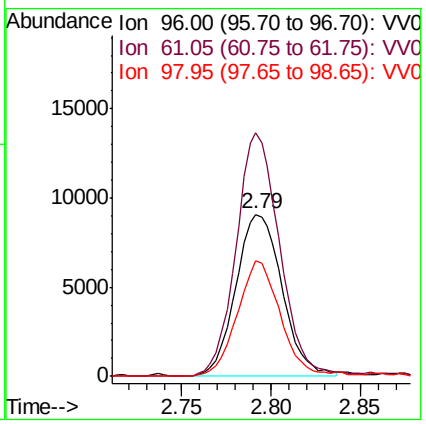


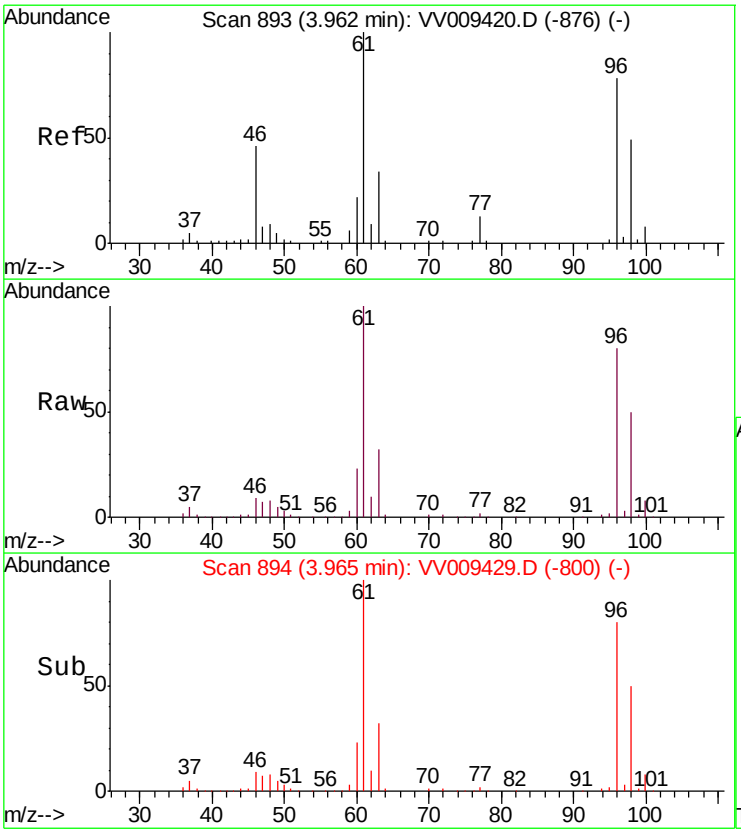

#18
trans-1,2-Dichloroethene
Concen: 2.294 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 96 Resp: 16507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.6 | 106.0 | 196.8 |
| 98 | 71.3 | 48.2 | 89.4 |

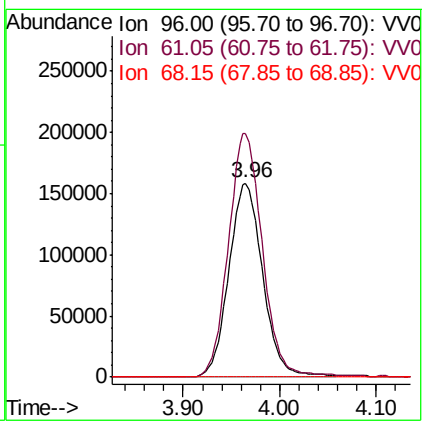


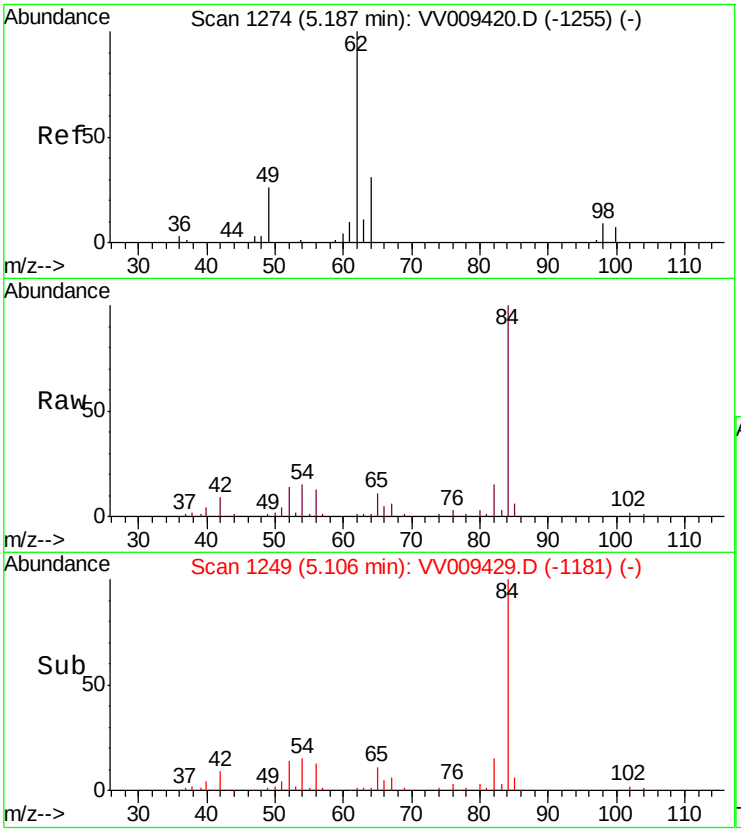




#22
cis-1,2-Dichloroethene
Concen: 57.329 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 96 Resp: 385294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 125.4 | 86.0 | 159.8 |
| 68 | 0.0 | 0.0 | 0.0 |



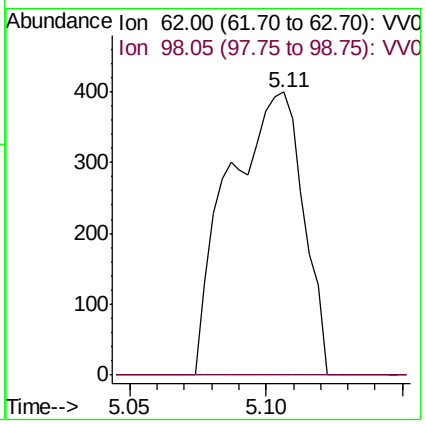


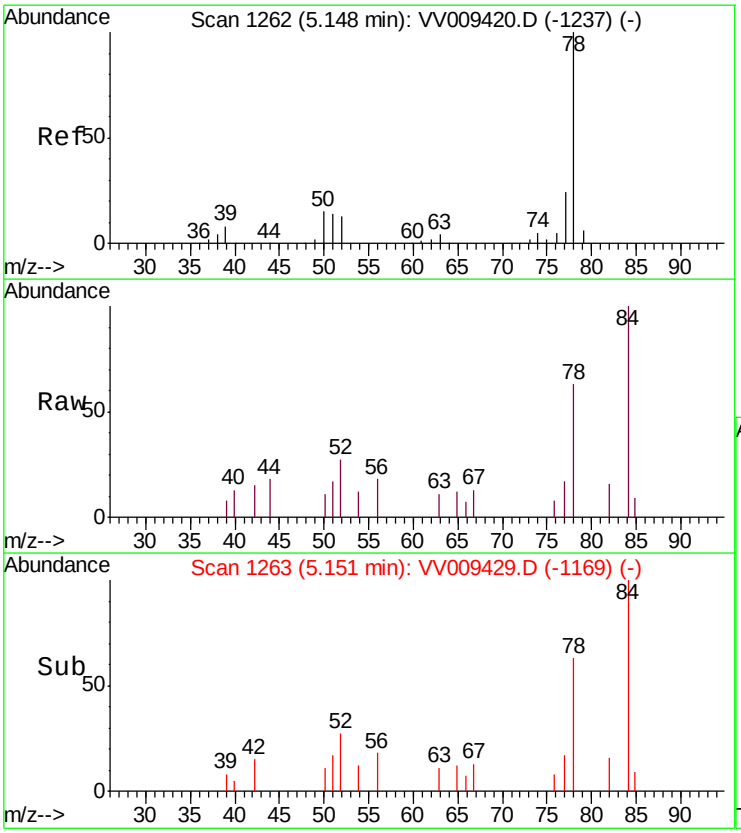

#27
1,2-Dichloroethane
Concen: 0.111 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.08 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 62 Resp: 755

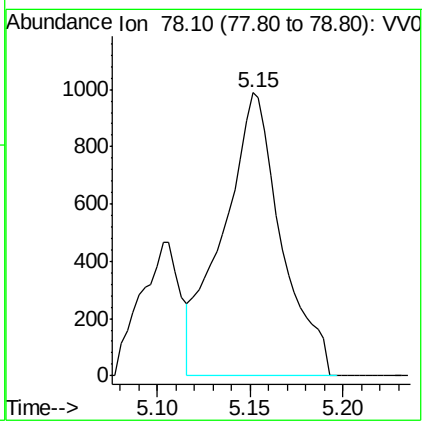
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.6 | 10.0# |

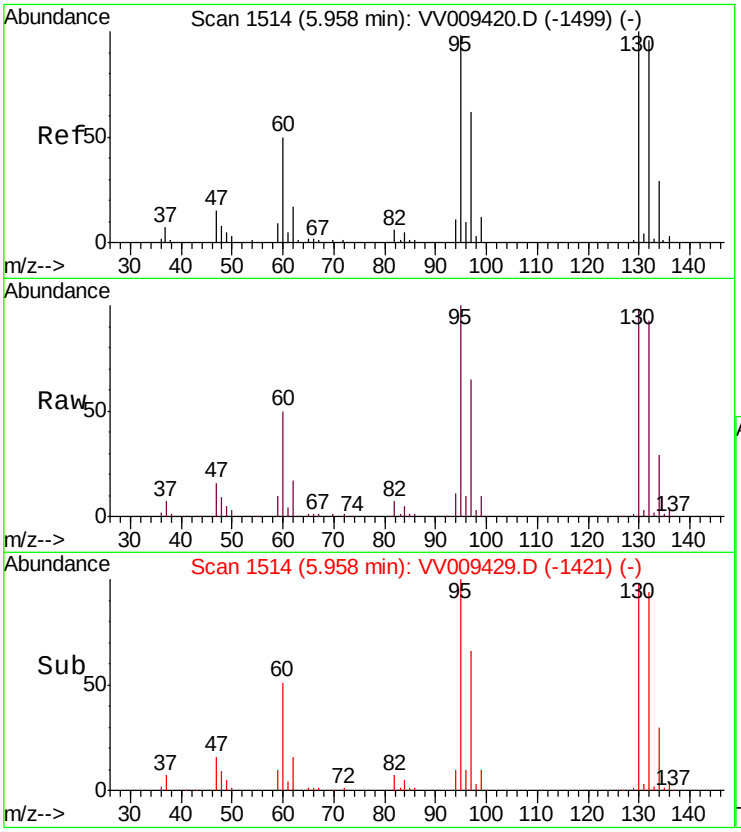



#33
Benzene
Concen: 0.090 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 78 Resp: 2154



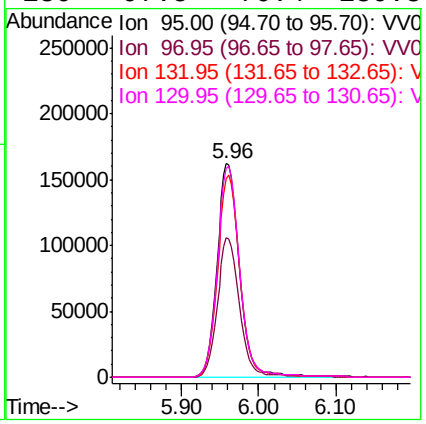


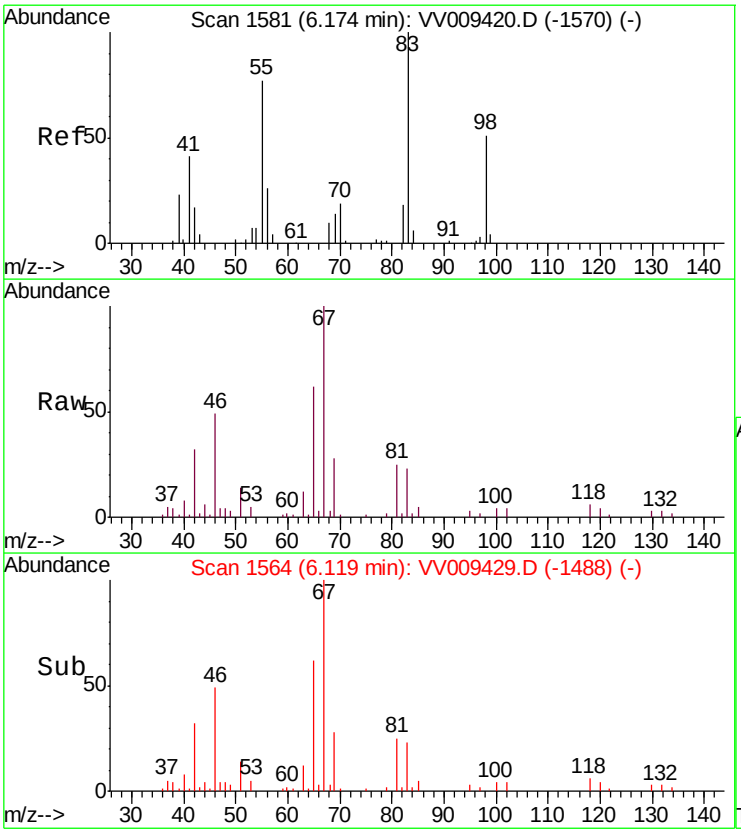

#34
Trichloroethene
Concen: 47.883 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 95 Resp: 329565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.4 | 44.2 | 82.2 |
| 132 | 93.0 | 67.8 | 126.0 |
| 130 | 97.5 | 70.4 | 130.8 |

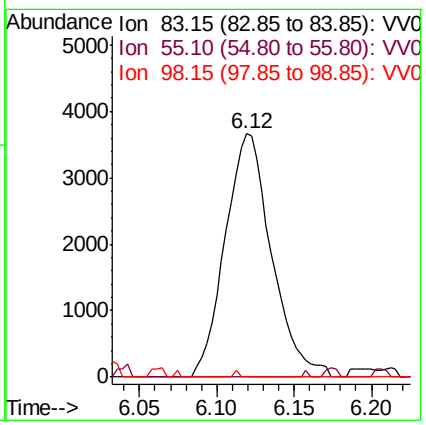


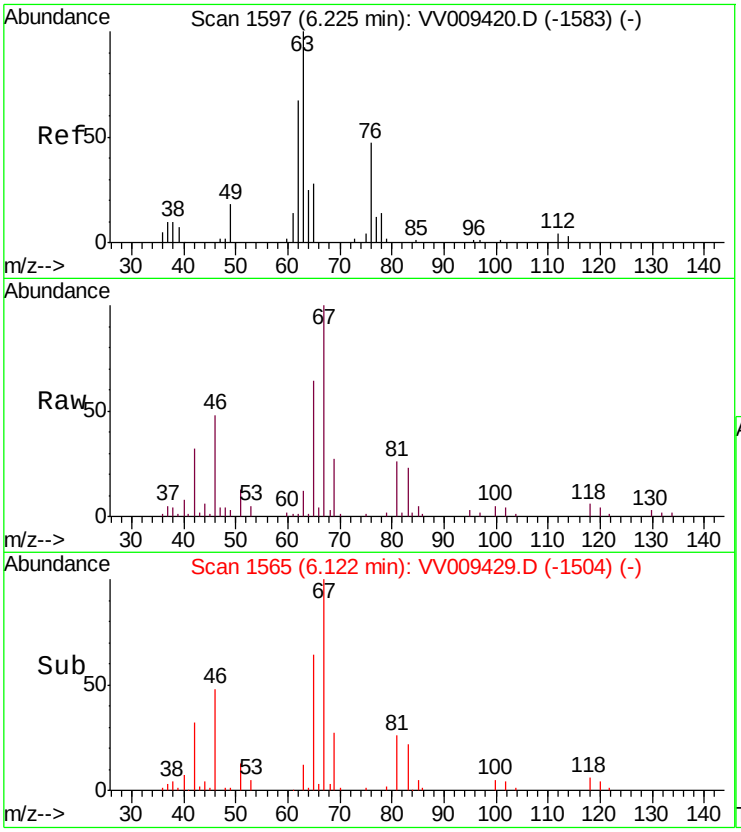




#35
Methylcyclohexane
Concen: 0.675 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 83 Resp: 7633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.2 | 59.8 | 89.8# |
| 98 | 0.0 | 39.9 | 59.9# |



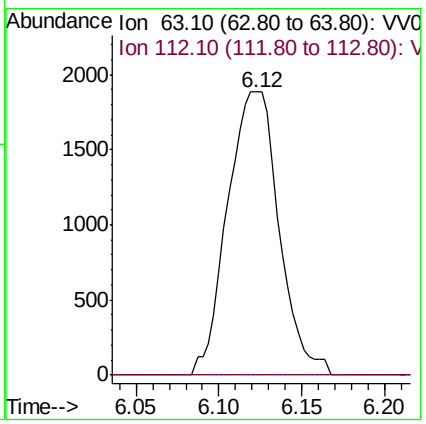


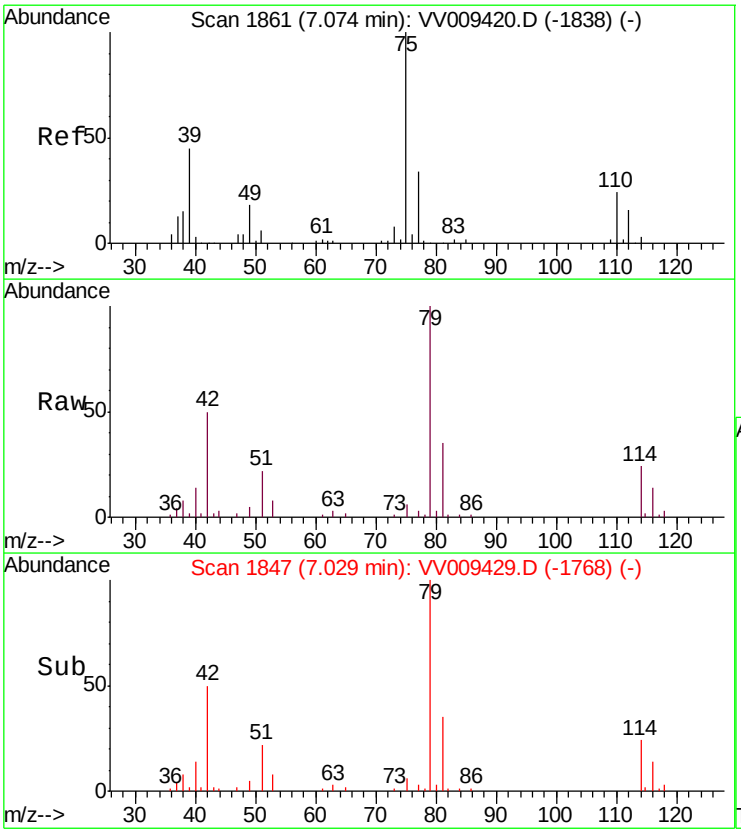

#37
1,2-Dichloropropane
Concen: 0.684 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :** MSVOA_V
**ClientSampleId :** CWJY6

Tgt Ion: 63 Resp: 4081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.1 | 4.7# |

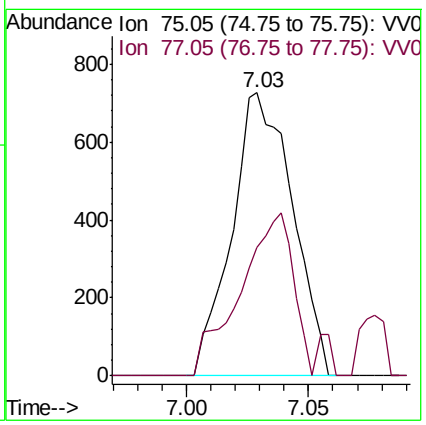


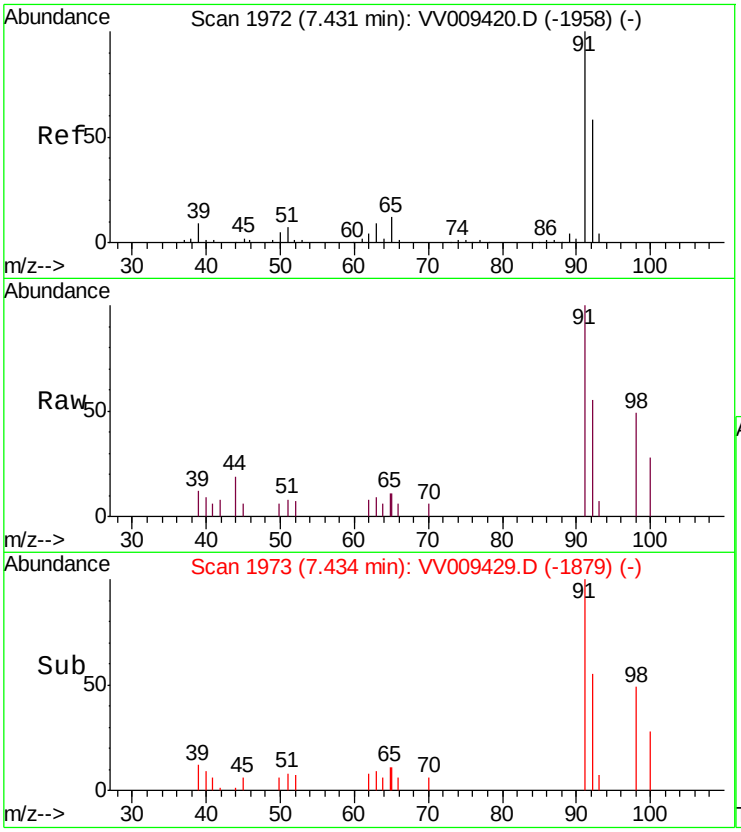




#39
cis-1,3-Dichloropropene
Concen: 0.134 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 75 Resp: 1257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.3 | 21.1 | 39.1# |



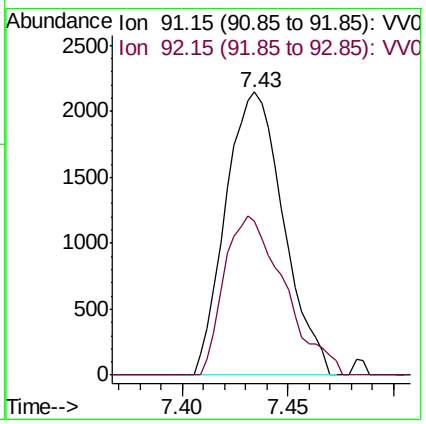


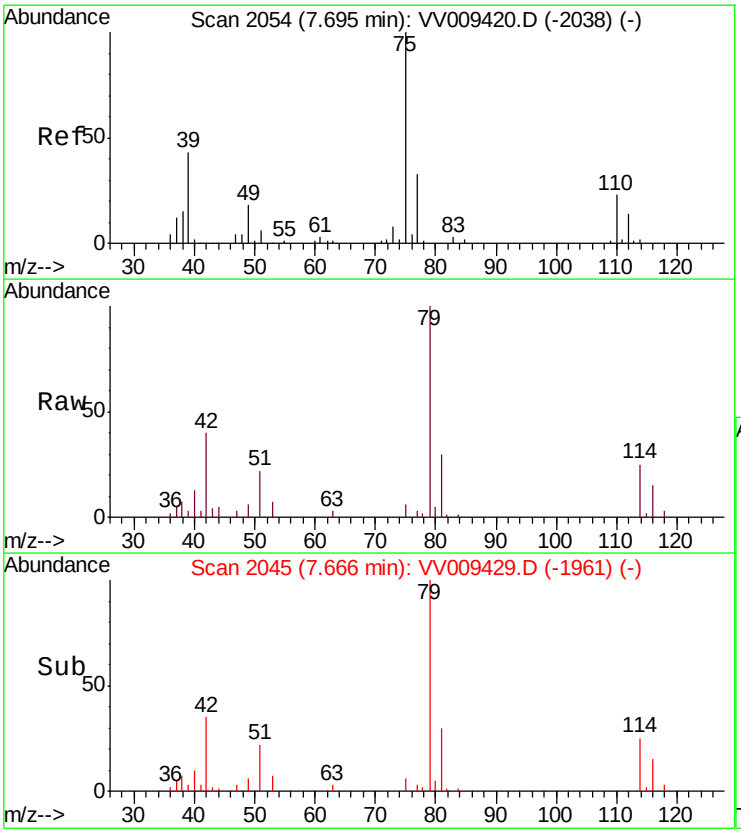

#42
Toluene
Concen: 0.147 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion: 91 Resp: 4087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 39.8 | 73.8 |

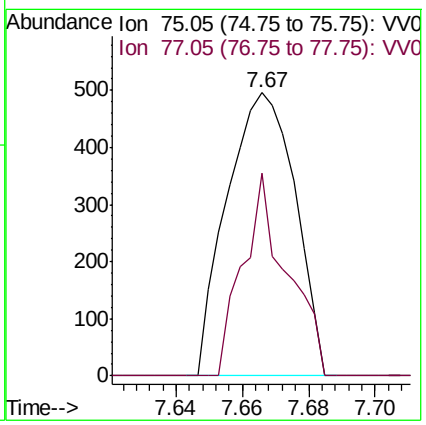


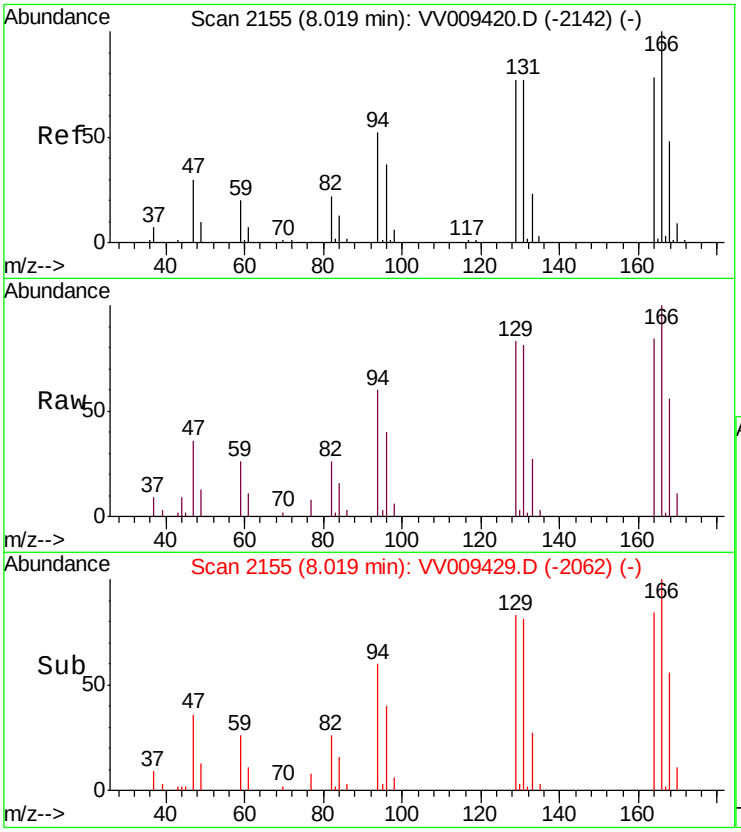




#44
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion: 75 Resp: 709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 71.6 | 22.2 | 41.2# |



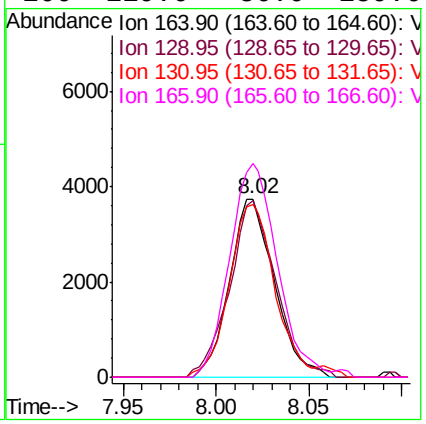


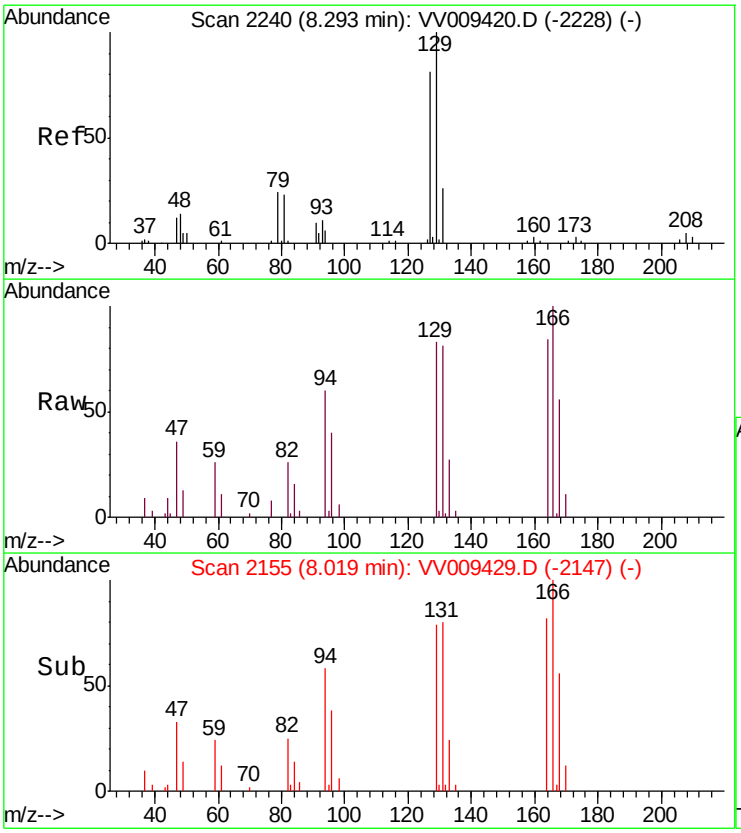

#47
Tetrachloroethene
Concen: 1.166 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :**
MSVOA_V
**ClientSampleId :**
CWJY6

Tgt Ion:164 Resp: 6301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 99.2 | 69.3 | 128.7 |
| 131 | 97.1 | 64.0 | 118.8 |
| 166 | 119.6 | 86.0 | 159.6 |

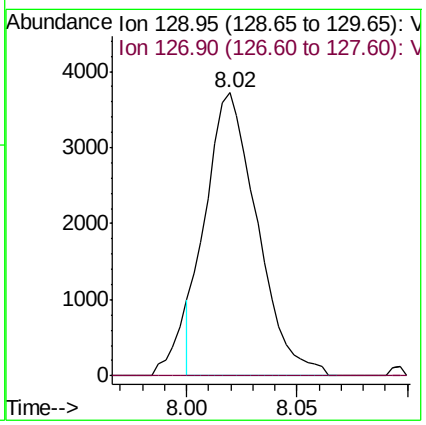


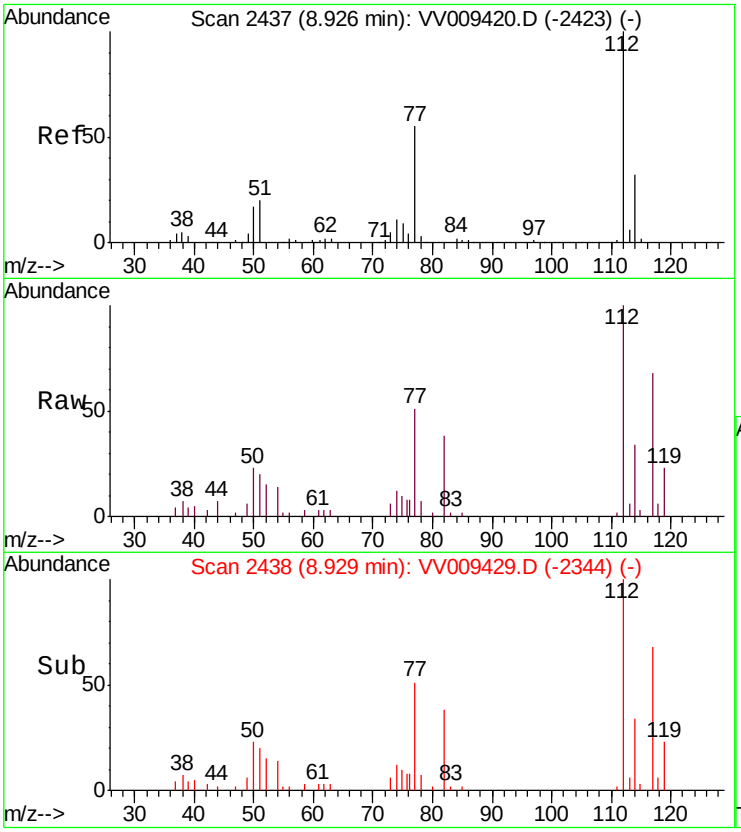




#49
Dibromochloromethane
Concen: 1.079 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion:129 Resp: 5997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 56.6 | 105.2# |



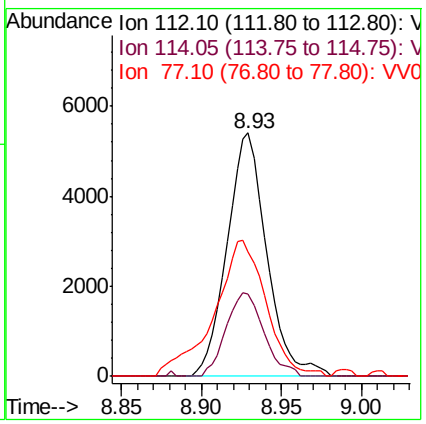


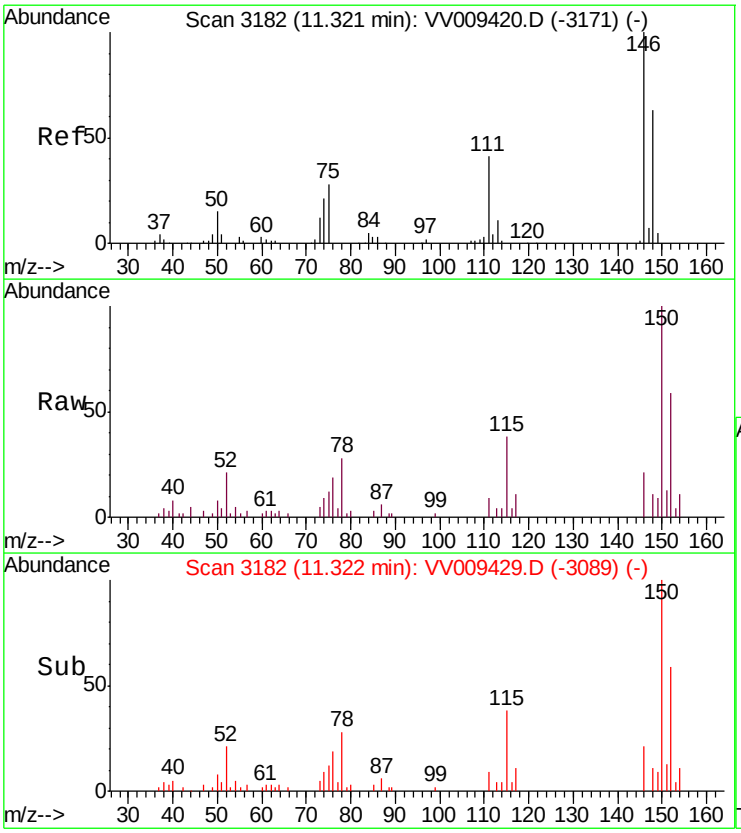

#51
Chlorobenzene
Concen: 0.505 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

**Instrument :** MSVOA_V
**ClientSampleId :** CWJY6

Tgt Ion:112 Resp: 9141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.7 | 23.2 | 43.2 |
| 77 | 51.2 | 45.7 | 68.5 |




#63
1,4-Dichlorobenzene
Concen: 0.142 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV009429.D
Acq: 28 Feb 2019 17:48

Tgt Ion:146 Resp: 1942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 27.2 | 50.4 |
| 148 | 52.3 | 45.7 | 84.9 |