Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR092618\
Data File : VR025866.D
Acq On : 26 Sep 2018 17:37
Operator : SY/MD
Sample : J5011-11DL2 100X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :**

Quant Time: Sep 27 07:51:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 07:50:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 355060 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 290927 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 92200 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.15 | 65 | 96969 | 3.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 76.20% | | | |
| 7) Chloroethane-d5 | 2.63 | 69 | 88747 | 4.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 88.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.63 | 63 | 186701 | 3.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 60.80% | | | |
| 20) 2-Butanone-d5 | 6.59 | 46 | 197478 | 58.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 116.54% | | | |
| 24) Chloroform-d | 7.20 | 84 | 222649 | 4.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 83.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 105031 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.40% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 434661 | 4.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 133134 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.40% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 364486 | 3.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 75.00% | | | |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 26255 | 3.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 64.40% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 143684 | 52.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.56% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 53136 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.51 | 152 | 67763 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 86.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 2.16 | 62 | 14249 | 0.374 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 3.65 | 96 | 18328 | 0.598 | ug/L # | 1 |
| 13) Acetone | 3.70 | 43 | 2929 | 1.310 | ug/L | 87 |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 42526 | 0.600 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 130686 | 3.744 | ug/L # | 97 |
| 29) 1,1,1-Trichloroethane | 7.43 | 97 | 128182 | 2.181 | ug/L | 95 |
| 34) Trichloroethene | 8.71 | 95 | 662864 | 16.353 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 8.90 | 63 | 15966 | 0.469 | ug/L # | 93 |
| 45) 1,1,2-Trichloroethane | 10.45 | 97 | 1038 | 0.073 | ug/L # | 65 |
| 47) Tetrachloroethene | 10.51 | 164 | 12512 | 0.540 | ug/L | 96 |
| 48) 2-Hexanone | 10.59 | 43 | 19931 | 2.556 | ug/L # | 73 |
| 49) Dibromochloromethane | 10.51 | 129 | 12447 | 0.837 | ug/L # | 11 |
| 65) 1,2-Dichlorobenzene | 13.53 | 146 | 3239 | 0.100 | ug/L | 90 |

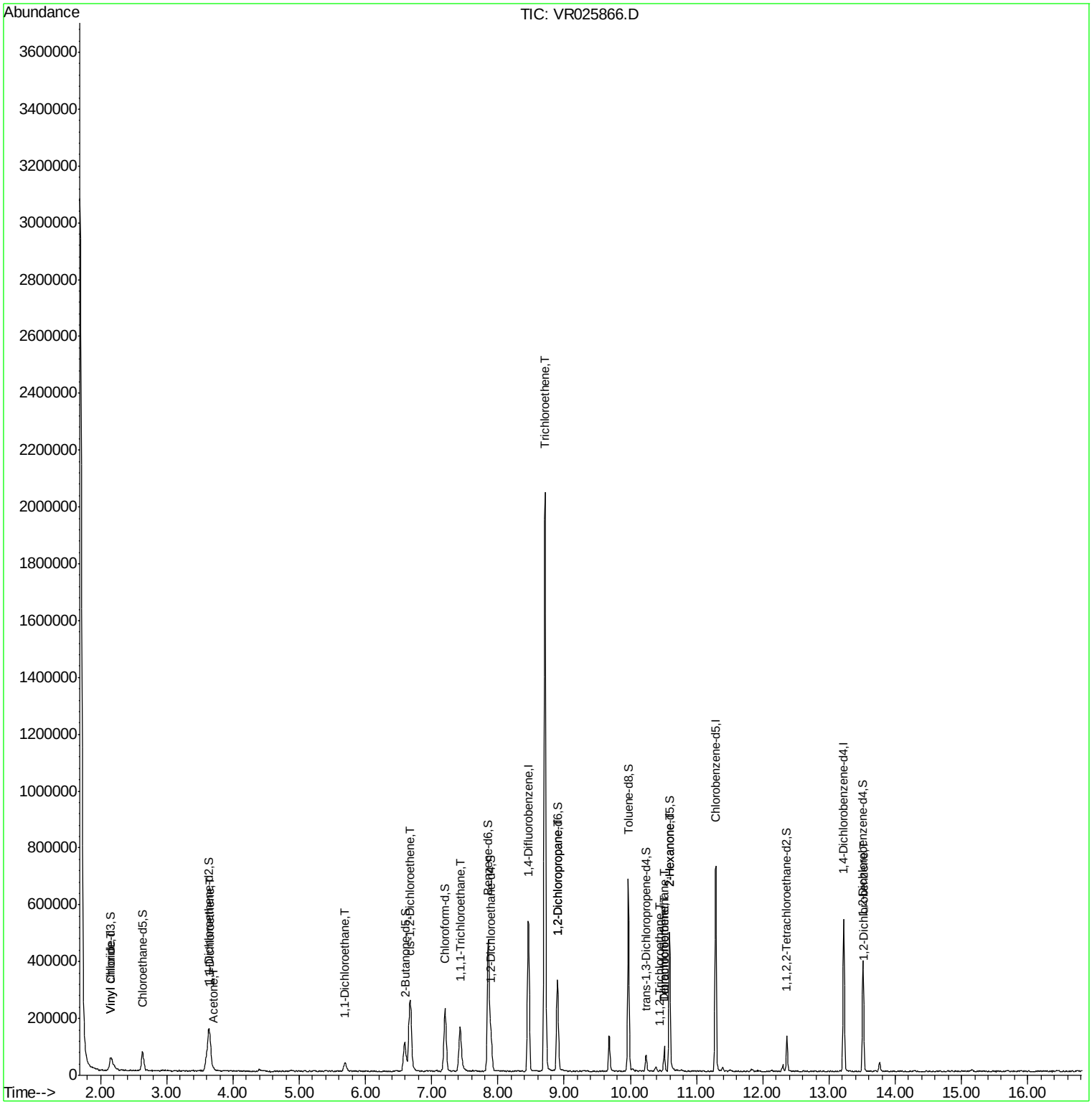
(#) = qualifier out of range (m) = manual integration (+) = signals summed

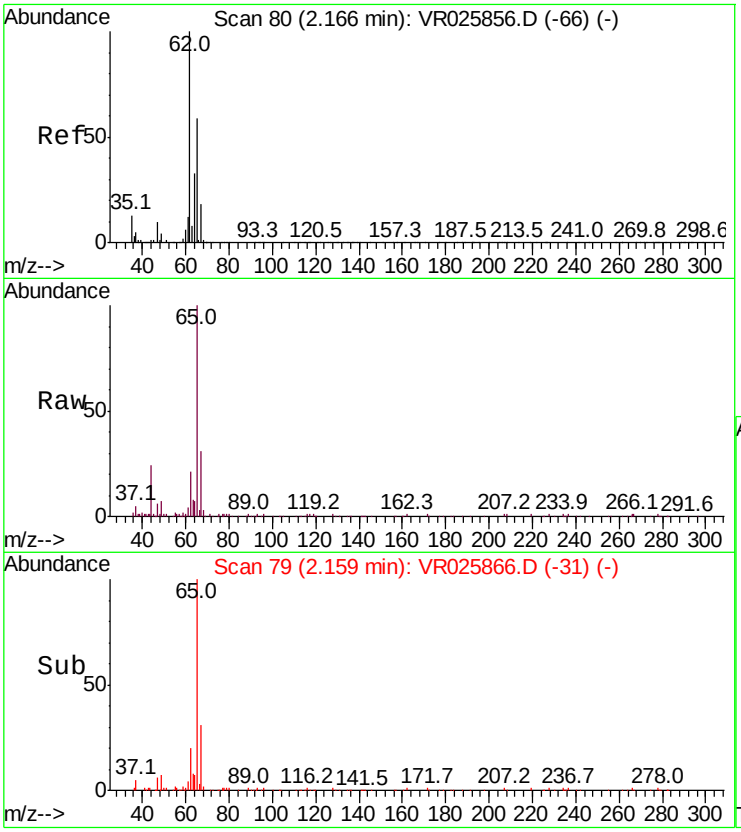
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR092618\
Data File : VR025866.D
Acq On : 26 Sep 2018 17:37
Operator : SY/MD
Sample : J5011-11DL2 100X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_R
**ClientSampleId :**

Quant Time: Sep 27 07:51:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 07:50:08 2018
Response via : Initial Calibration



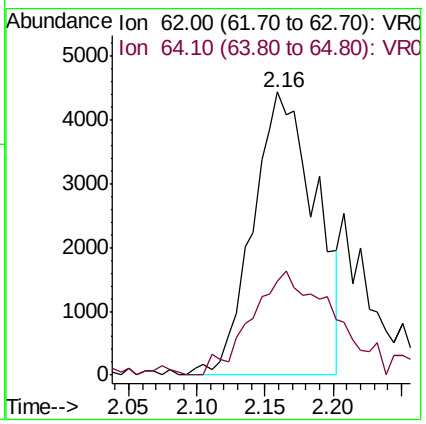


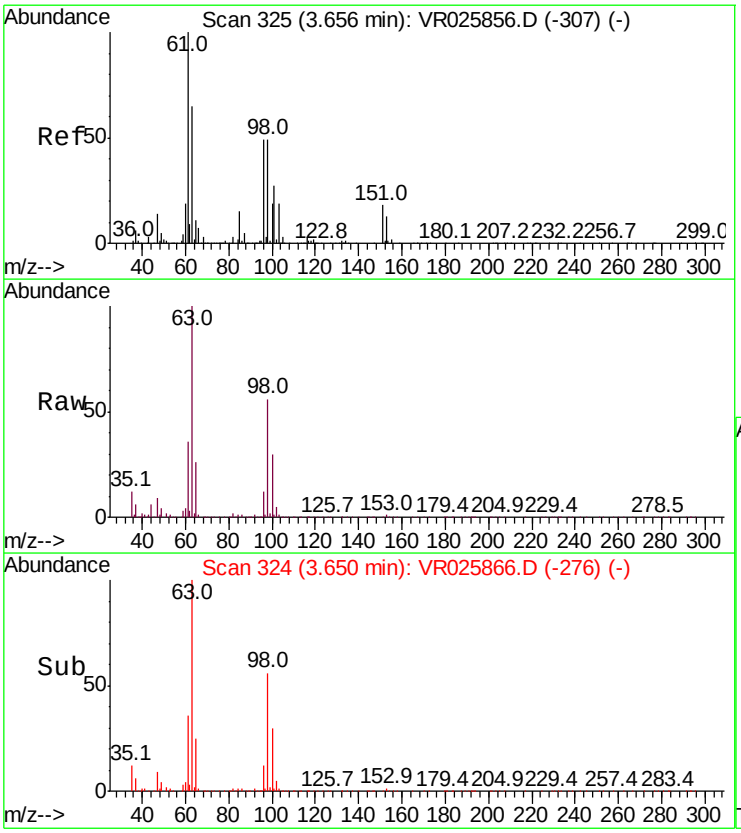

#5
Vinyl chloride
Concen: 0.374 ug/L
RT: 2.16 min Scan# 79
Delta R.T. -0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 62 Resp: 14249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.1 | 23.5 | 43.7 |

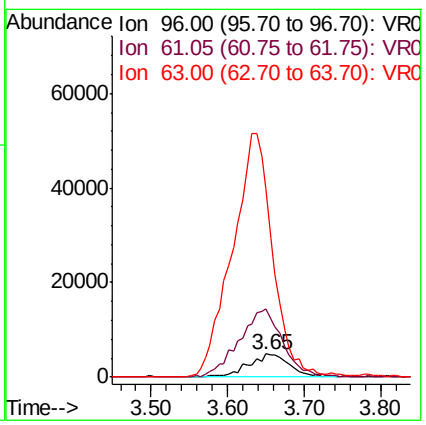


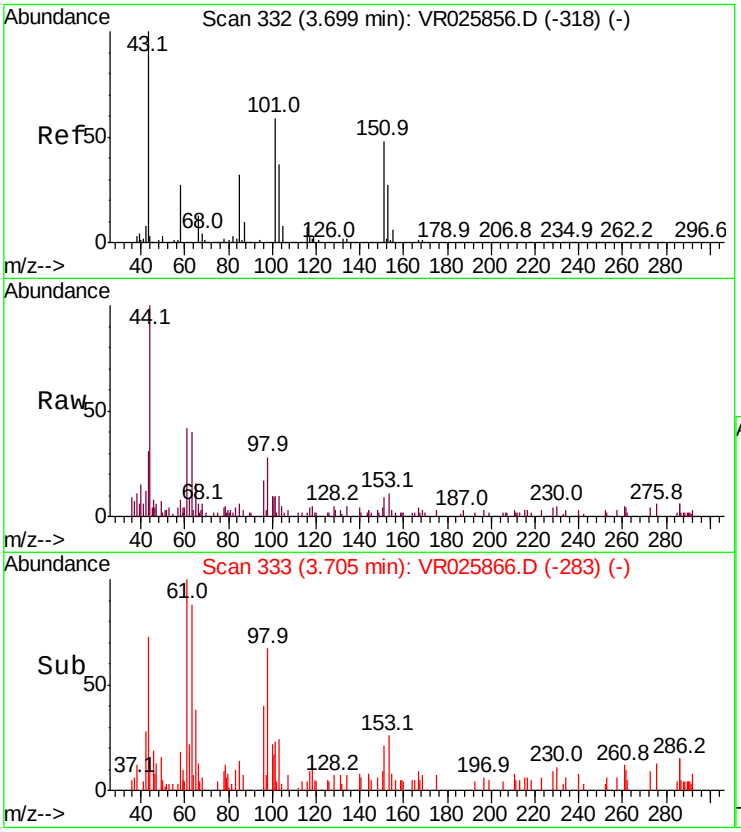




#12
1,1-Dichloroethene
Concen: 0.598 ug/L
RT: 3.65 min Scan# 324
Delta R.T. -0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion: 96 Resp: 18328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 296.6 | 145.0 | 269.4# |
| 63 | 816.5 | 123.8 | 230.0# |



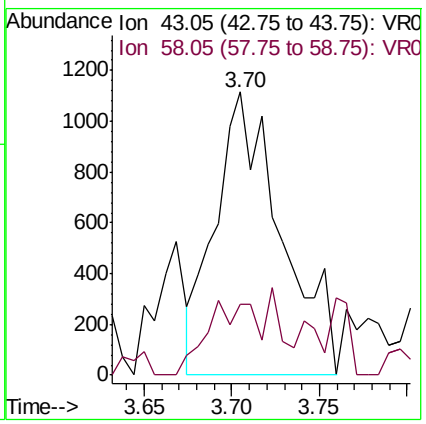


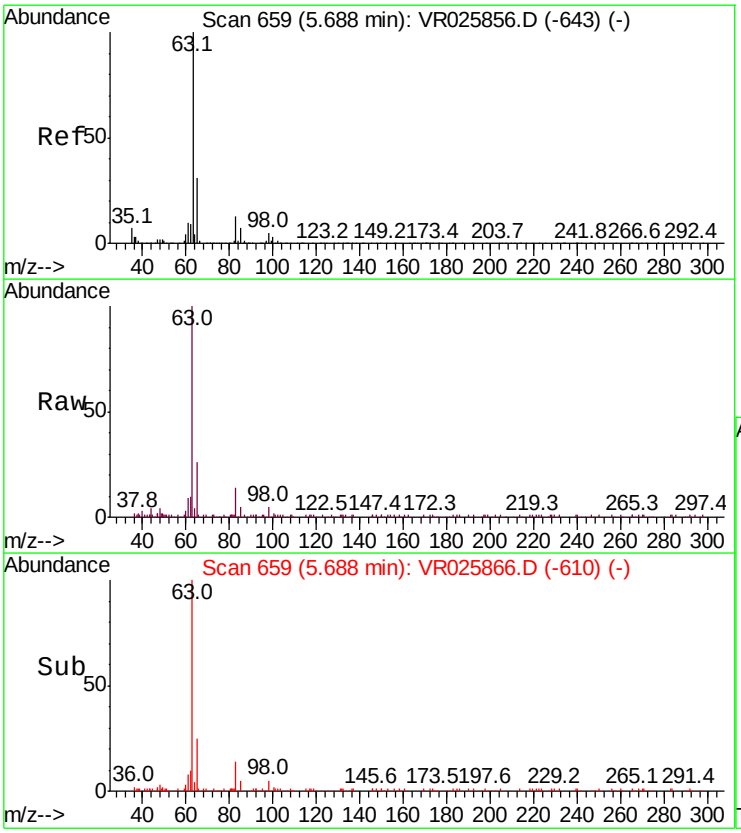

#13
Acetone
Concen: 1.310 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 43 Resp: 2929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.3 | 0.0 | 51.4 |

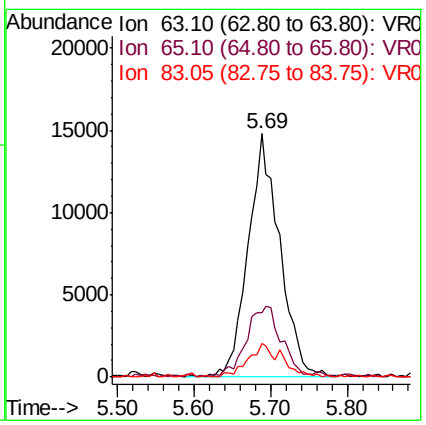


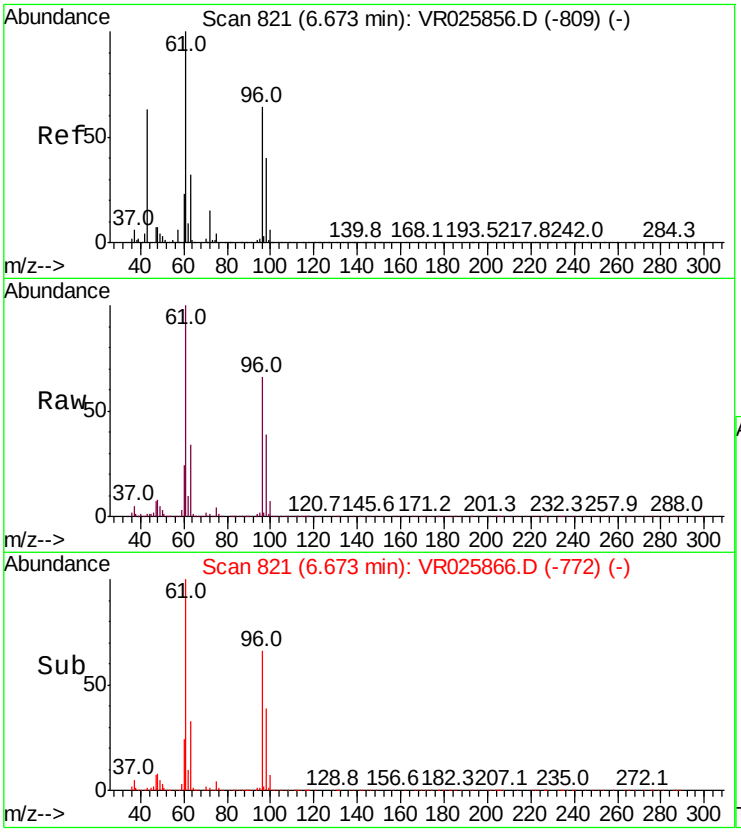




#19
1,1-Dichloroethane
Concen: 0.600 ug/L
RT: 5.69 min Scan# 659
Delta R.T. 0.00 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion: 63 Resp: 42526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 26.3 | 21.1 | 39.1 |
| 83 | 13.6 | 8.9 | 16.5 |



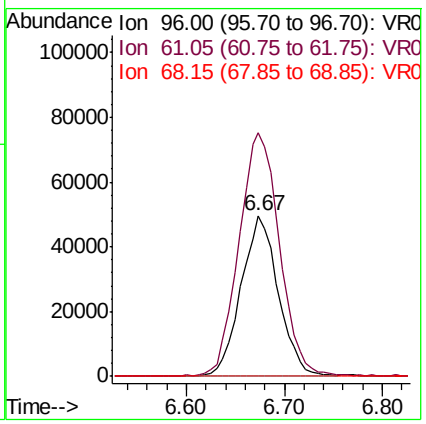


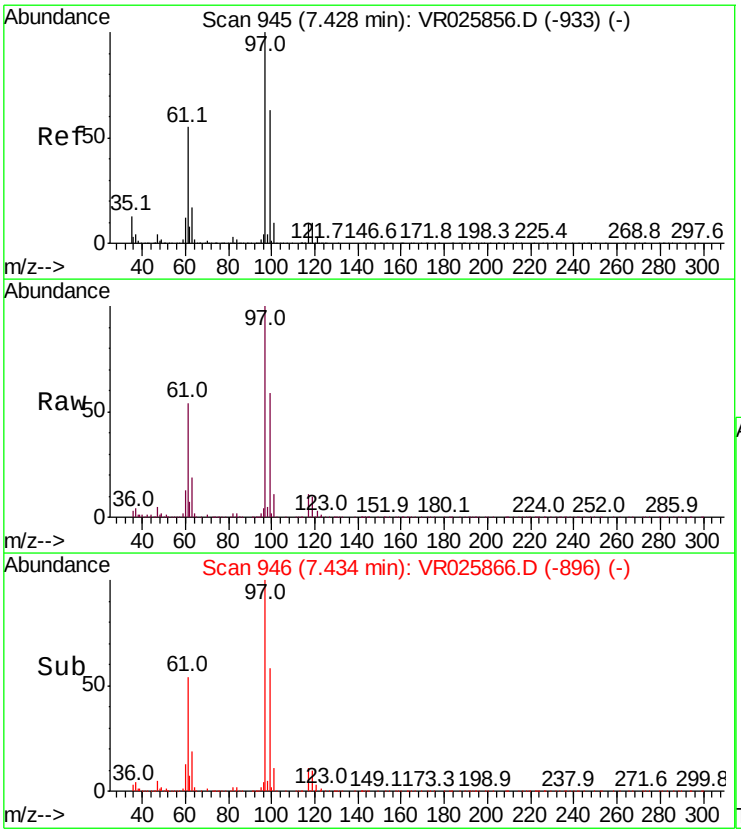

#22
cis-1,2-Dichloroethene
Concen: 3.744 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :** MSVOA_R
**ClientSampleId :**

Tgt Ion: 96 Resp: 130686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.8 | 108.7 | 201.9 |
| 68 | 0.3 | 0.1 | 0.1# |

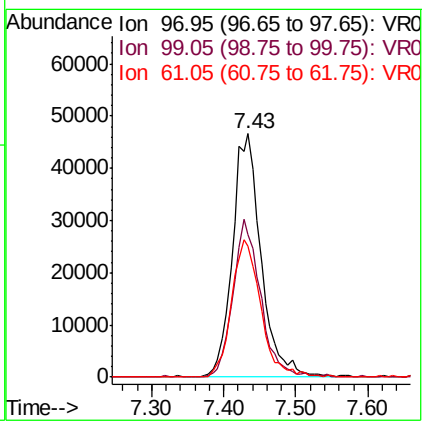


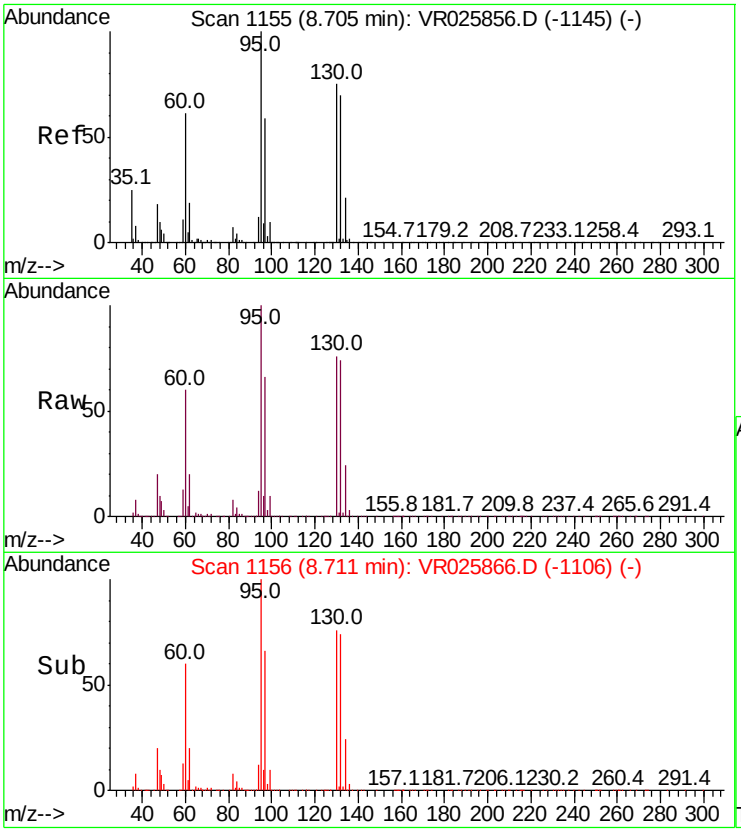




#29
1,1,1-Trichloroethane
Concen: 2.181 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion: 97 Resp: 128182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.1 | 51.0 | 76.6 |
| 61 | 57.6 | 41.6 | 62.4 |



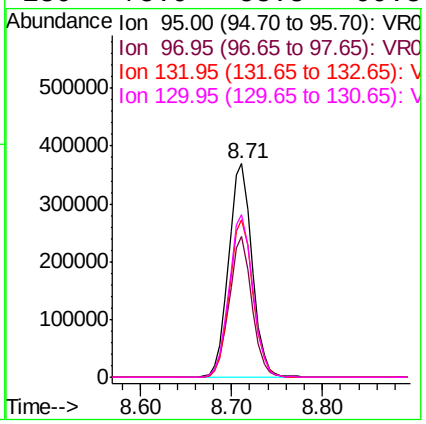


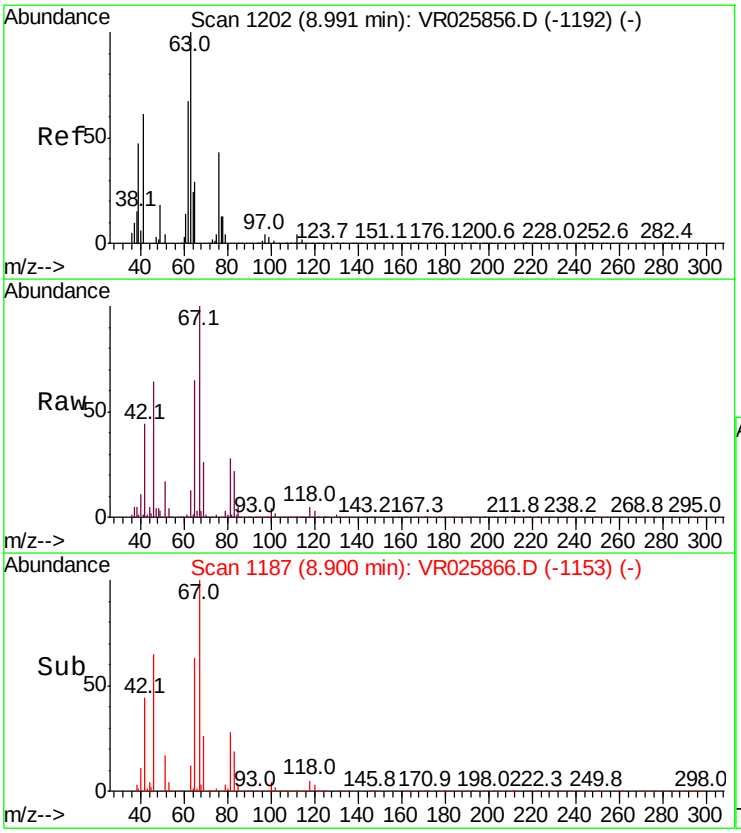

#34
Trichloroethene
Concen: 16.353 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 95 Resp: 662864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 66.2 | 43.9 | 81.5 |
| 132 | 73.5 | 53.3 | 98.9 |
| 130 | 75.9 | 53.8 | 99.8 |

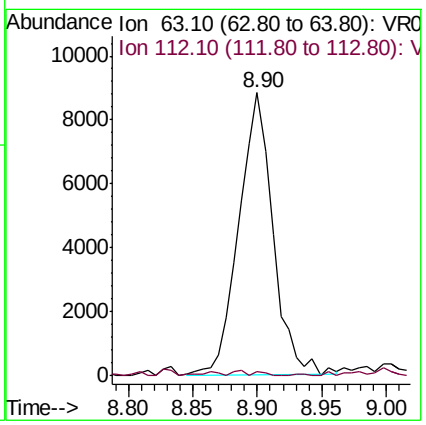


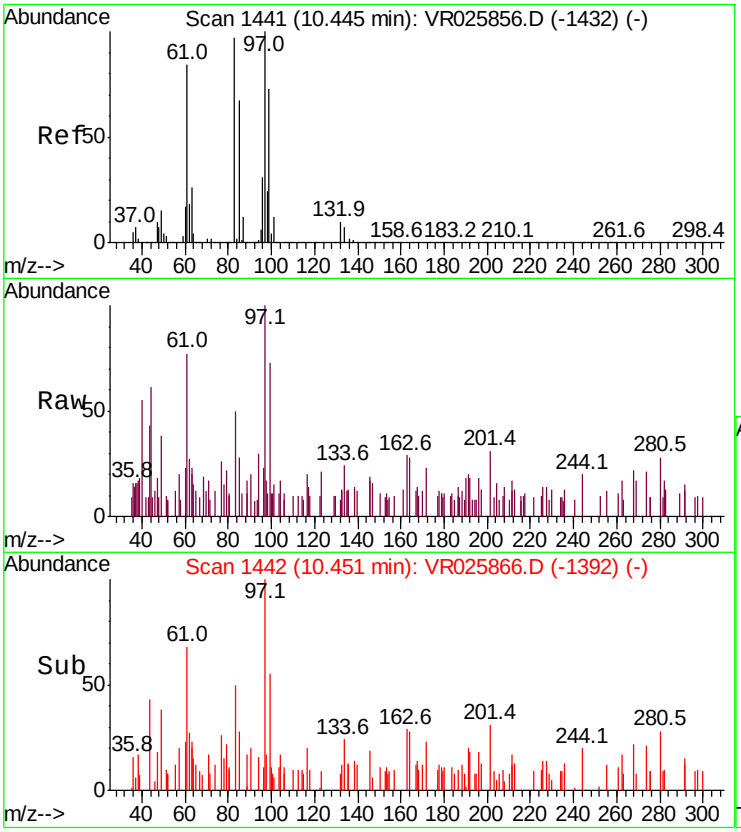




#37
1,2-Dichloropropane
Concen: 0.469 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.09 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion: 63 Resp: 15966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.7 | 2.5 | 3.7# |



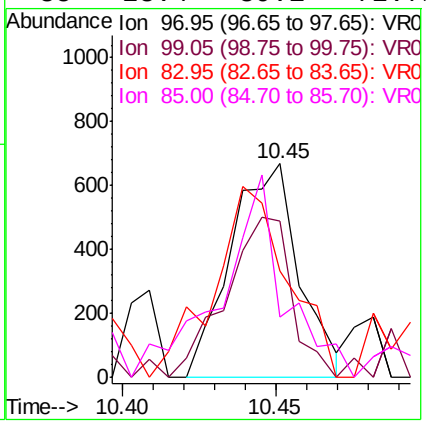


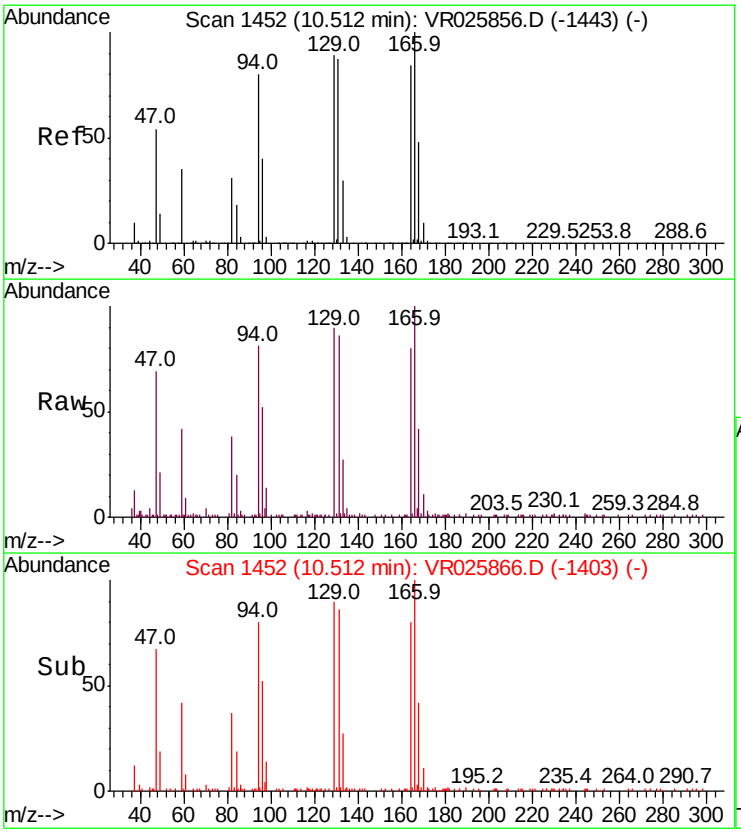

#45
1,1,2-Trichloroethane
Concen: 0.073 ug/L
RT: 10.45 min Scan# 1442
Delta R.T. 0.01 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 97 Resp: 1038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 72.9 | 39.6 | 73.6 |
| 83 | 49.6 | 62.2 | 115.6# |
| 85 | 28.4 | 39.1 | 72.7# |

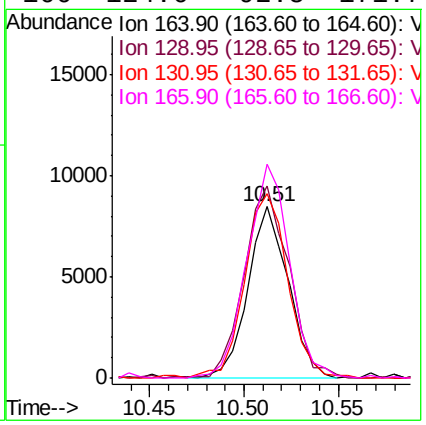


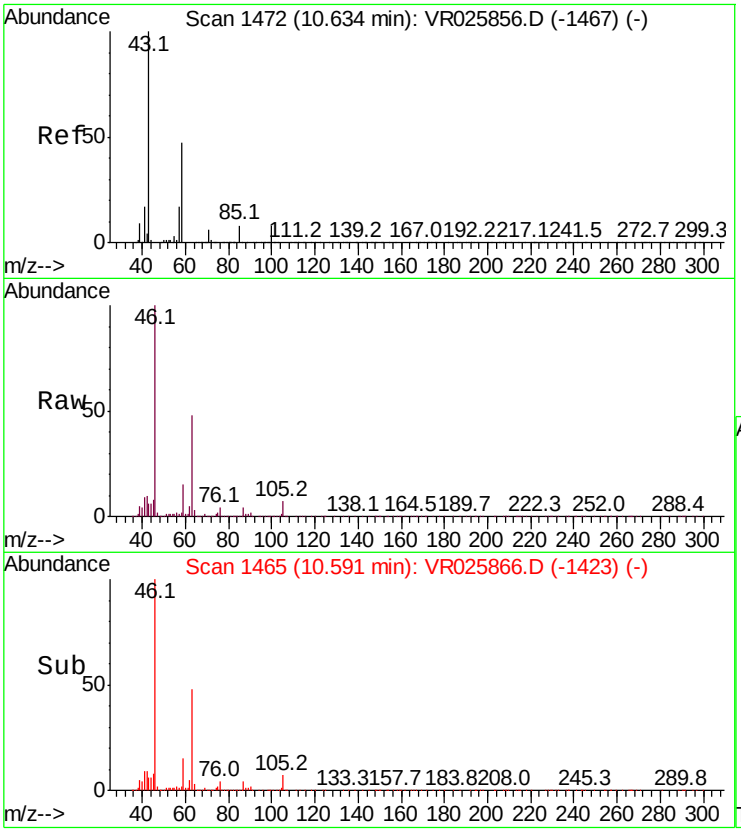




#47
Tetrachloroethene
Concen: 0.540 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion:164 Resp: 12512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 112.3 | 80.8 | 150.2 |
| 131 | 107.7 | 74.5 | 138.3 |
| 166 | 124.6 | 92.5 | 171.7 |



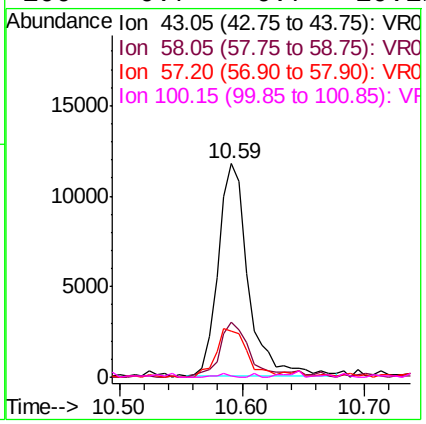


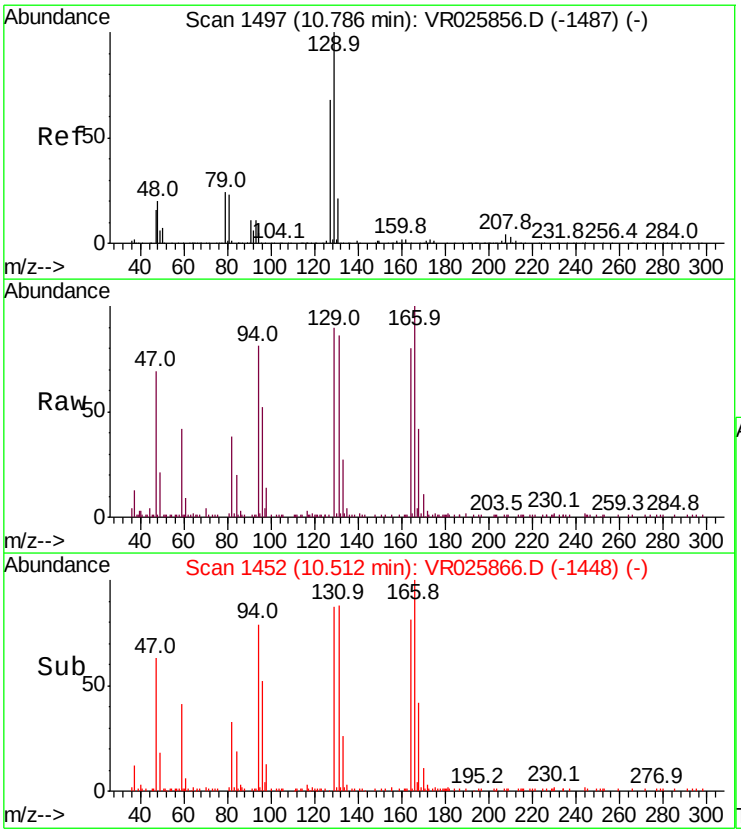

#48
2-Hexanone
Concen: 2.556 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 43 Resp: 19931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.9 | 39.5 | 59.3# |
| 57 | 23.6 | 14.6 | 21.8# |
| 100 | 0.7 | 6.7 | 10.1# |

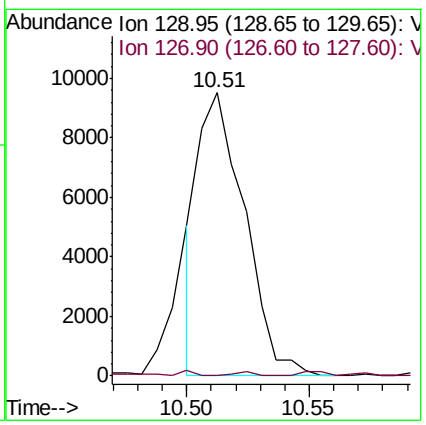


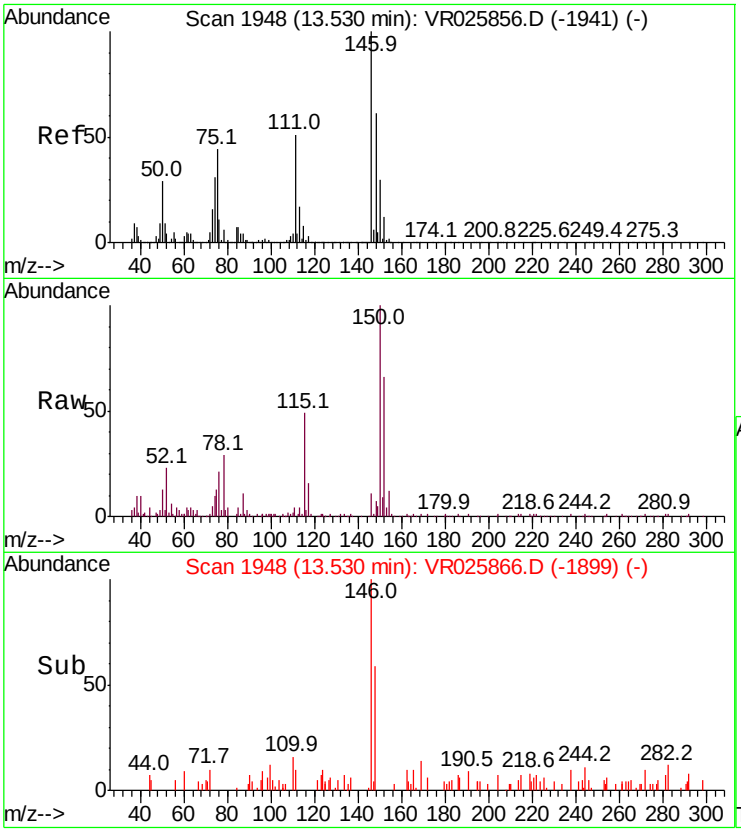




#49
Dibromochloromethane
Concen: 0.837 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

Tgt Ion:129 Resp: 12447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 54.1 | 100.5# |






#65
1,2-Dichlorobenzene
Concen: 0.100 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR025866.D
Acq: 26 Sep 2018 17:37

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion:146 Resp: 3239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 39.4 | 59.0 |
| 148 | 60.5 | 53.5 | 80.3 |