Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081618\

Quantitation Report (Not Reviewed)

Data File : VV007043.D
Acq On : 16 Aug 2018 15:07
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Quant Time: Aug 17 01:15:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 17 01:13:44 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 233030 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 227586 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 103971 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 66336 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.20% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 54997 | 4.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 128711 | 4.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 91.20% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 143075 | 33.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 66.14% | | | |
| 24) Chloroform-d | 4.41 | 84 | 133728 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 64581 | 4.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 256468 | 4.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 82781 | 4.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 82.80% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 236017 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 28579 | 4.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 82.20% | | | |
| 46) 2-Hexanone-d5 | 8.15 | 63 | 91472 | 32.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 64.34% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 59882 | 3.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 76.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 74071 | 4.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 82.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 113646 | 5.008 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 115006 | 5.266 | ug/L | 96 |
| 5) Vinyl chloride | 1.32 | 62 | 111698 | 4.949 | ug/L | 95 |
| 6) Bromomethane | 1.54 | 94 | 31519 | 6.433 | ug/L | 100 |
| 8) Chloroethane | 1.60 | 64 | 68147 | 4.976 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 147805 | 5.146 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 89794 | 5.209 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 84236 | 5.034 | ug/L | 94 |
| 13) Acetone | 2.21 | 43 | 91102 | 40.900 | ug/L | 97 |
| 14) Carbon disulfide | 2.32 | 76 | 250099 | 4.527 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 27867 | 4.445 | ug/L | 99 |
| 16) Methylene chloride | 2.54 | 84 | 95813 | 4.749 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 198608 | 4.950 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 92007 | 5.135 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 162086 | 5.011 | ug/L | 98 |
| 21) 2-Butanone | 4.05 | 43 | 201068 | 41.576 | ug/L | 93 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 99154 | 4.877 | ug/L | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081618\

Quantitation Report (Not Reviewed)

Data File : VV007043.D
Acq On : 16 Aug 2018 15:07
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Quant Time: Aug 17 01:15:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 17 01:13:44 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 44861 | 5.413 | ug/L | | 91 |
| 25) Chloroform | 4.43 | 83 | 184188 | 5.204 | ug/L | | 100 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 110304 | 4.997 | ug/L | | 98 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 156086 | 5.143 | ug/L | | 98 |
| 30) Cyclohexane | 4.73 | 56 | 139929 | 4.430 | ug/L | | 99 |
| 31) Carbon tetrachloride | 4.88 | 117 | 131589 | 5.171 | ug/L | | 100 |
| 33) Benzene | 5.15 | 78 | 404900 | 5.135 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 93411 | 4.941 | ug/L | | 94 |
| 35) Methylcyclohexane | 6.18 | 83 | 139227 | 4.587 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 109415 | 5.070 | ug/L | | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 123512 | 5.037 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 125218 | 4.803 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 545425 | 46.785 | ug/L | | 99 |
| 42) Toluene | 7.44 | 91 | 406047 | 5.359 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 104128 | 4.866 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 70708 | 5.036 | ug/L | | 96 |
| 47) Tetrachloroethene | 8.02 | 164 | 79177 | 5.165 | ug/L | | 97 |
| 48) 2-Hexanone | 8.20 | 43 | 402871 | 48.998 | ug/L | | 97 |
| 49) Dibromochloromethane | 8.30 | 129 | 77972 | 5.294 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 60540 | 5.105 | ug/L | # | 97 |
| 51) Chlorobenzene | 8.93 | 112 | 246635 | 5.107 | ug/L | | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 376863 | 4.981 | ug/L | | 99 |
| 53) m,p-xylene | 9.19 | 106 | 145175 | 5.148 | ug/L | | 98 |
| 54) o-xylene | 9.59 | 106 | 138280 | 5.175 | ug/L | | 97 |
| 55) Styrene | 9.61 | 104 | 239056 | 5.307 | ug/L | | 97 |
| 56) Isopropylbenzene | 9.98 | 105 | 355718 | 5.074 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 86332 | 5.059 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 60058 | 4.971 | ug/L | | 98 |
| 61) Bromoform | 9.78 | 173 | 41513 | 5.272 | ug/L | | 98 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 169211 | 5.029 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 174134 | 5.050 | ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 172268 | 5.206 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 10798 | 4.596 | ug/L | | 93 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 129276 | 5.077 | ug/L | | 98 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 88394 | 4.730 | ug/L | | 98 |
| 69) Naphthalene | 13.56 | 128 | 109595 | 4.084 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 87083 | 4.834 | ug/L | | 99 |

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

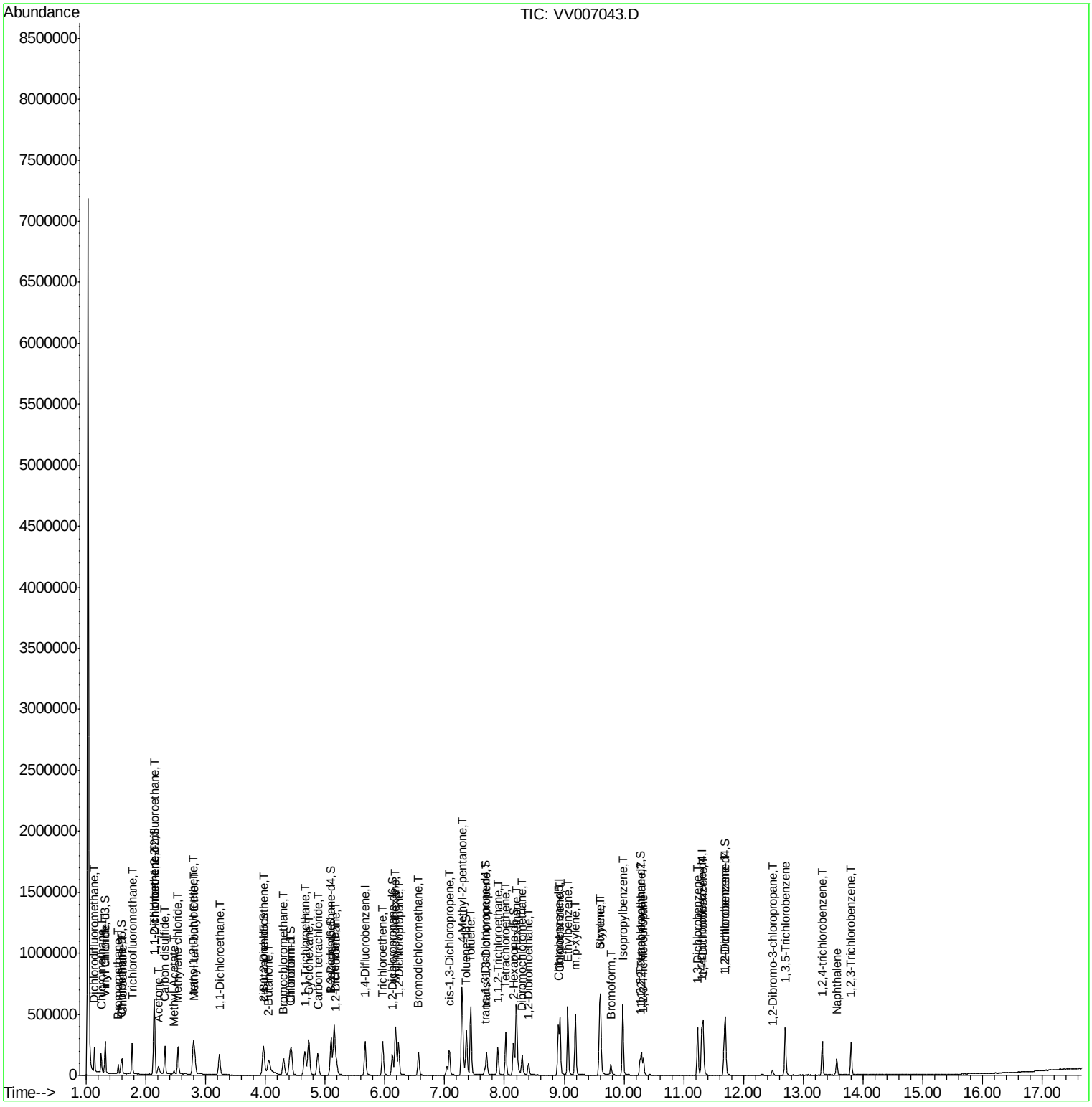
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081618\

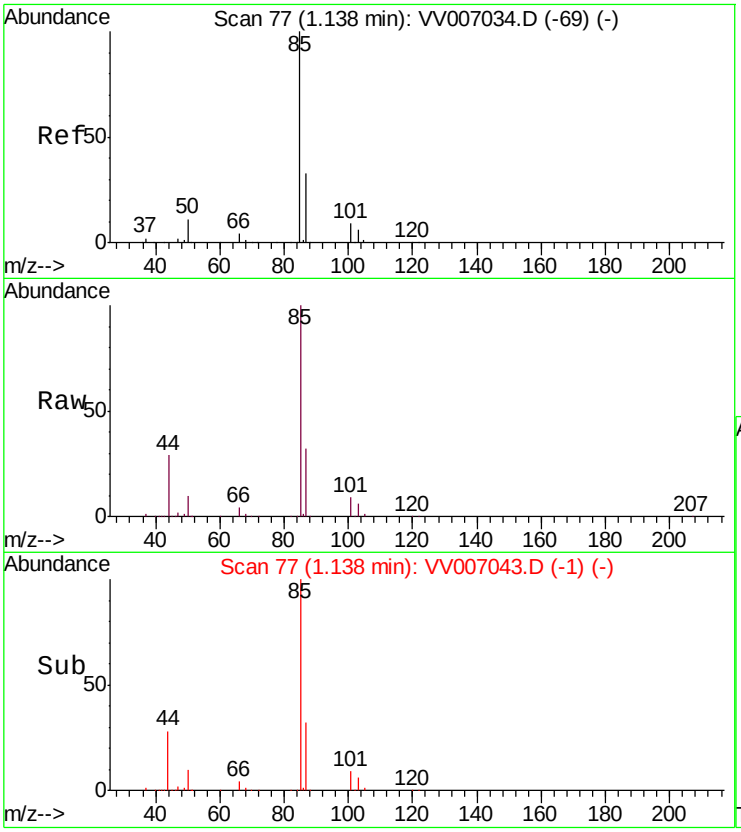
Quantitation Report (Not Reviewed)

Data File : VV007043.D
Acq On : 16 Aug 2018 15:07
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Quant Time: Aug 17 01:15:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 17 01:13:44 2018
Response via : Initial Calibration



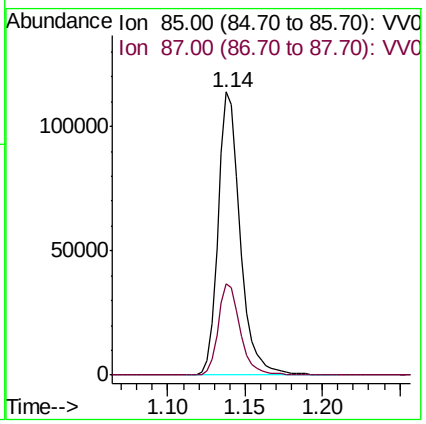


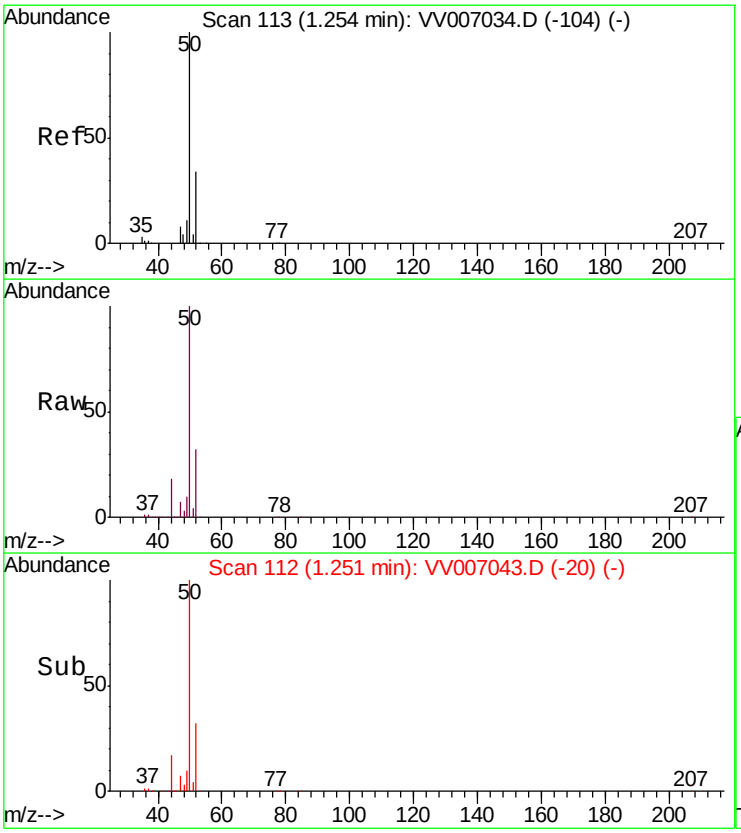

#2
Dichlorodifluoromethane
Concen: 5.008 ug/L
RT: 1.14 min Scan# 77
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 85 Resp: 113646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 25.4 | 38.2 |

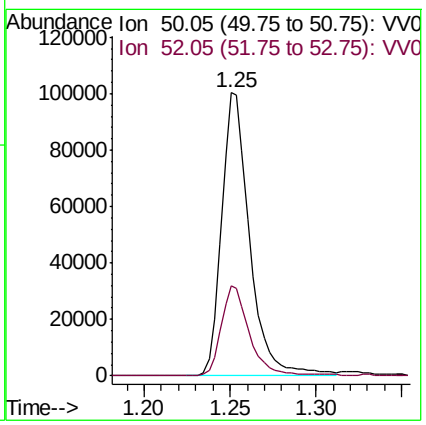


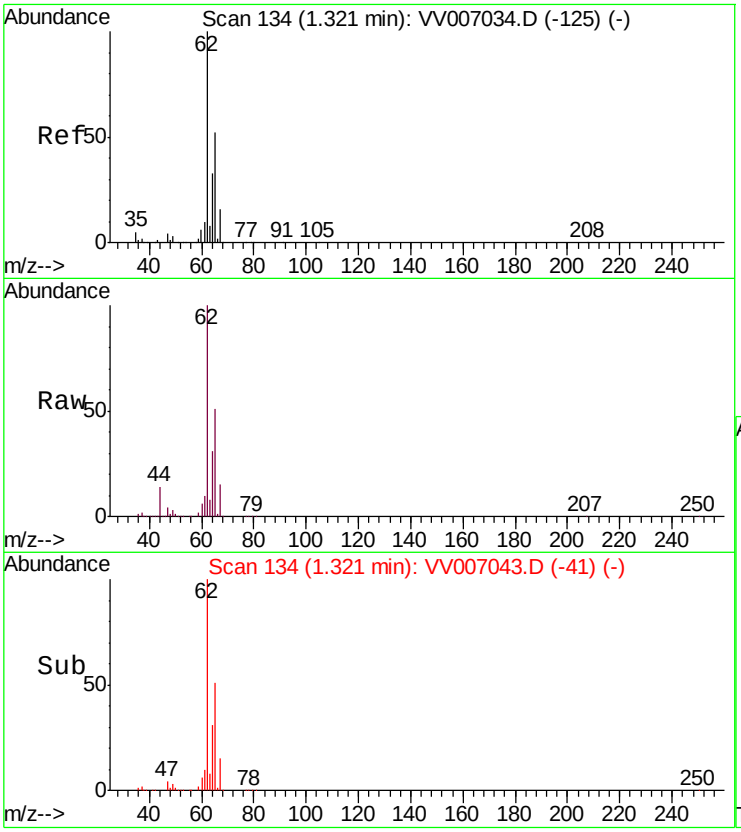




#3
Chloromethane
Concen: 5.266 ug/L
RT: 1.25 min Scan# 112
Delta R.T. -0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 50 Resp: 115006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 23.6 | 43.8 |



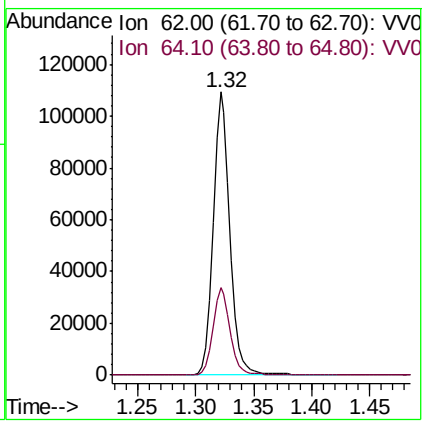


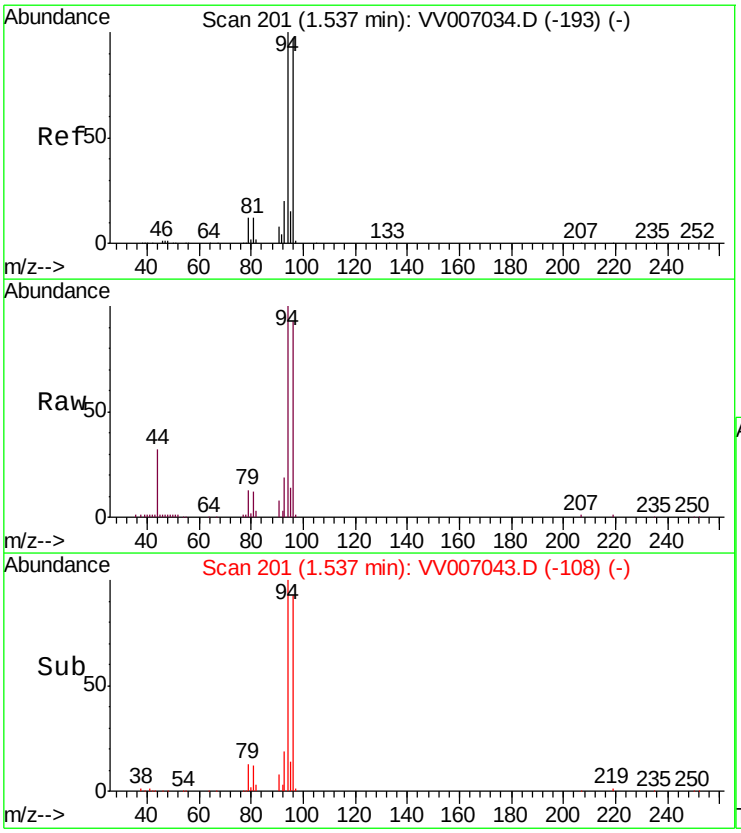

#5
Vinyl chloride
Concen: 4.949 ug/L
RT: 1.32 min Scan# 134
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 62 Resp: 111698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 23.5 | 43.7 |

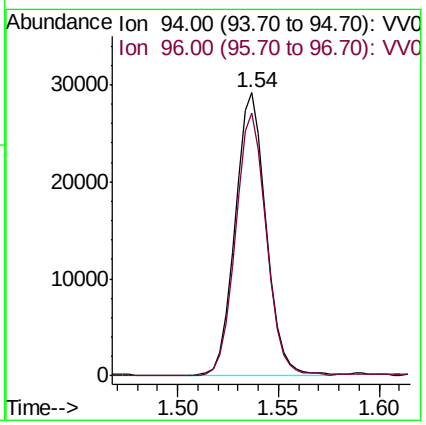


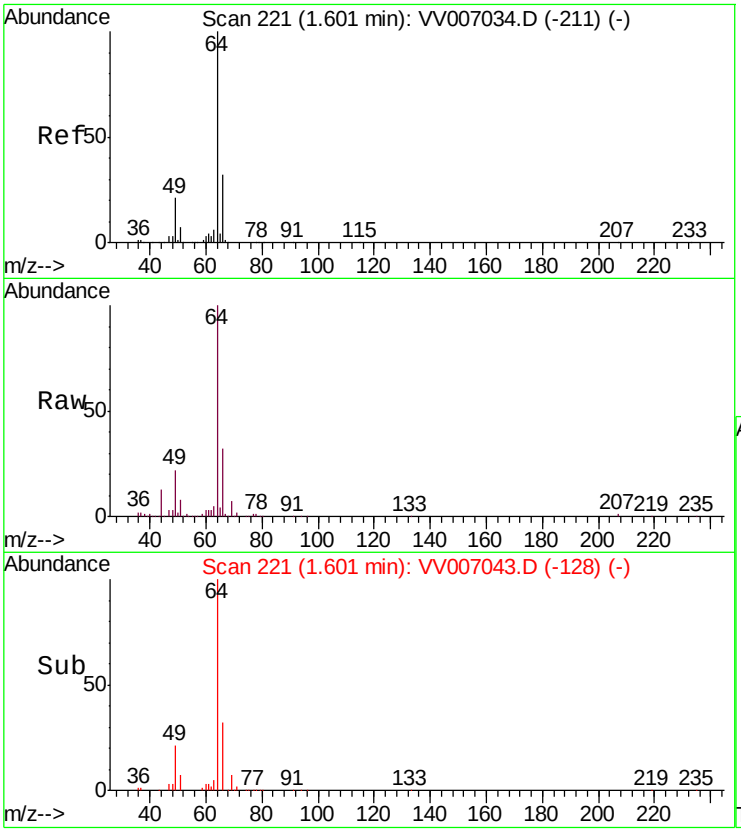




#6
Bromomethane
Concen: 6.433 ug/L
RT: 1.54 min Scan# 201
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 94 Resp: 31519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 65.0 | 120.6 |



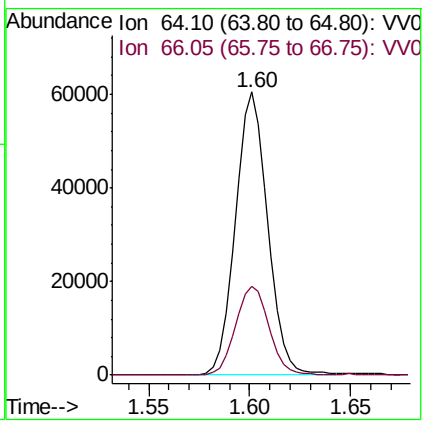


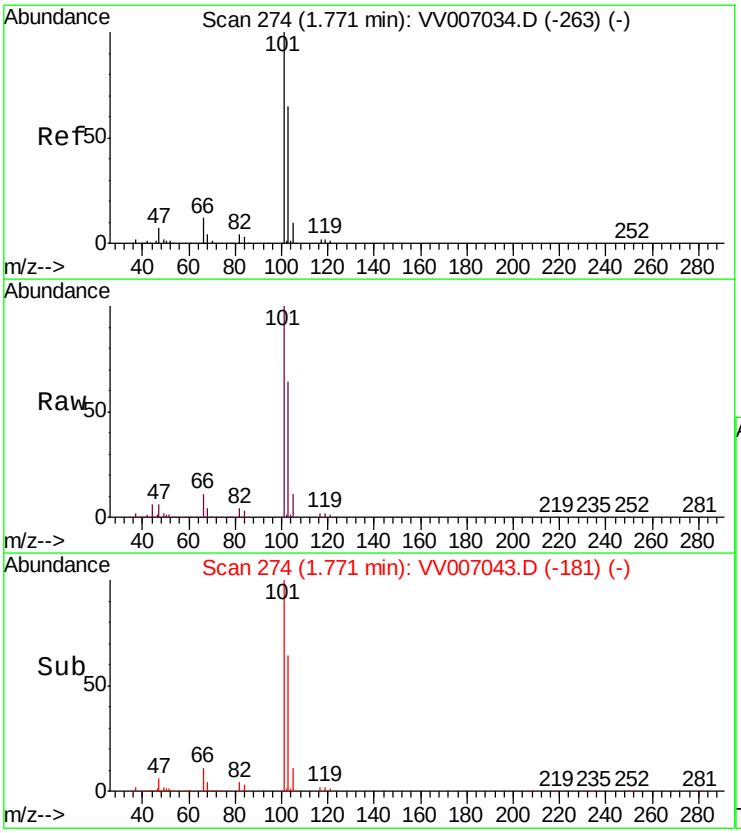

#8
Chloroethane
Concen: 4.976 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 64 Resp: 68147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 22.6 | 42.0 |

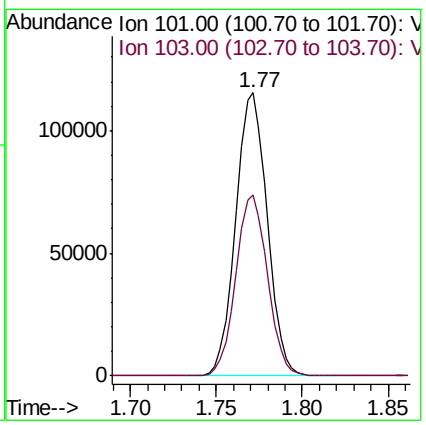


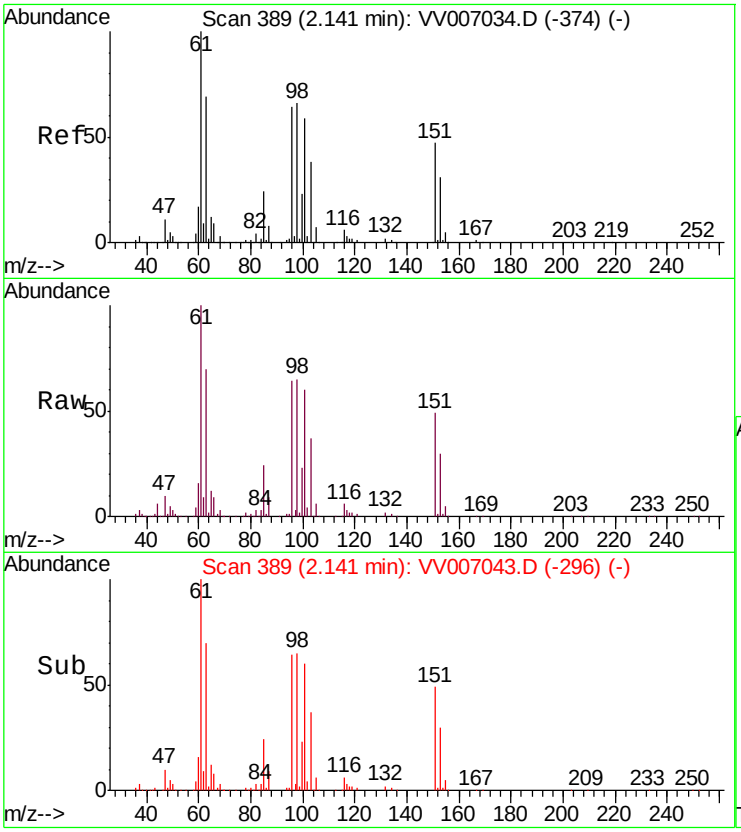




#9
Trichlorofluoromethane
Concen: 5.146 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:101 Resp: 147805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 52.7 | 79.1 |



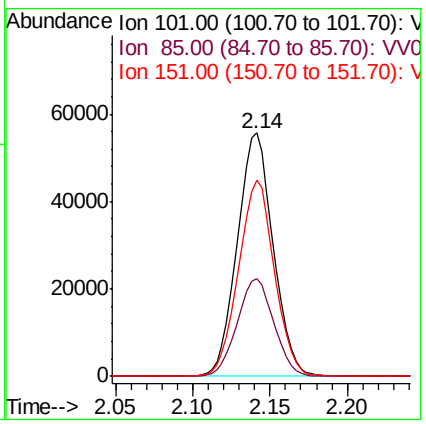


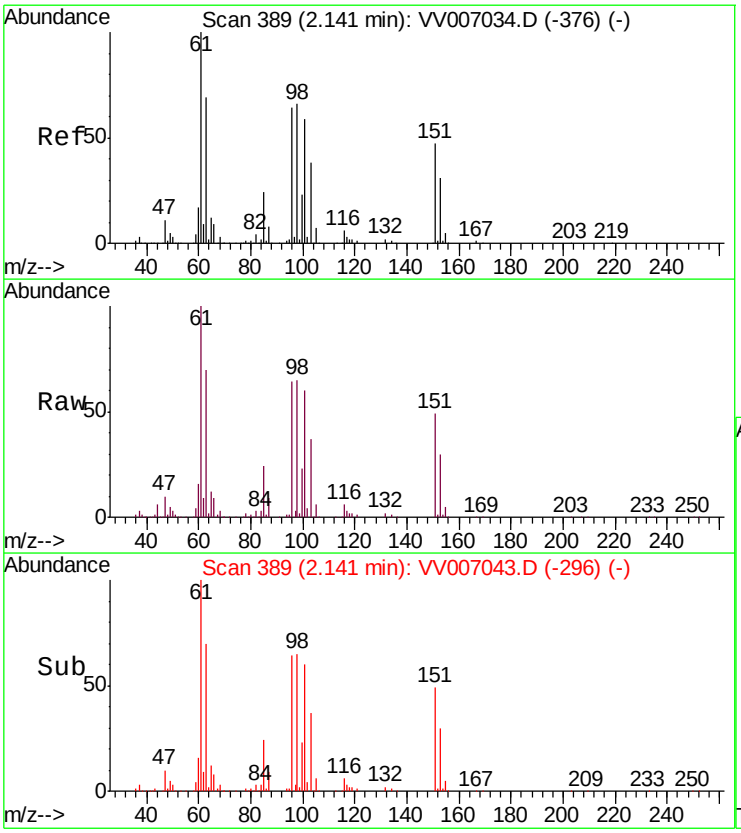

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.209 ug/L
RT: 2.14 min Scan# 389
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion:101 Resp: 89794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 40.8 | 33.9 | 50.9 |
| 151 | 80.6 | 64.1 | 96.1 |

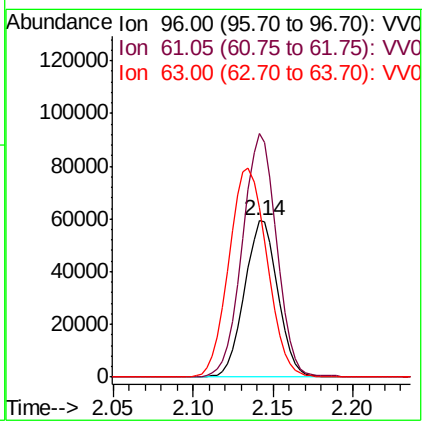


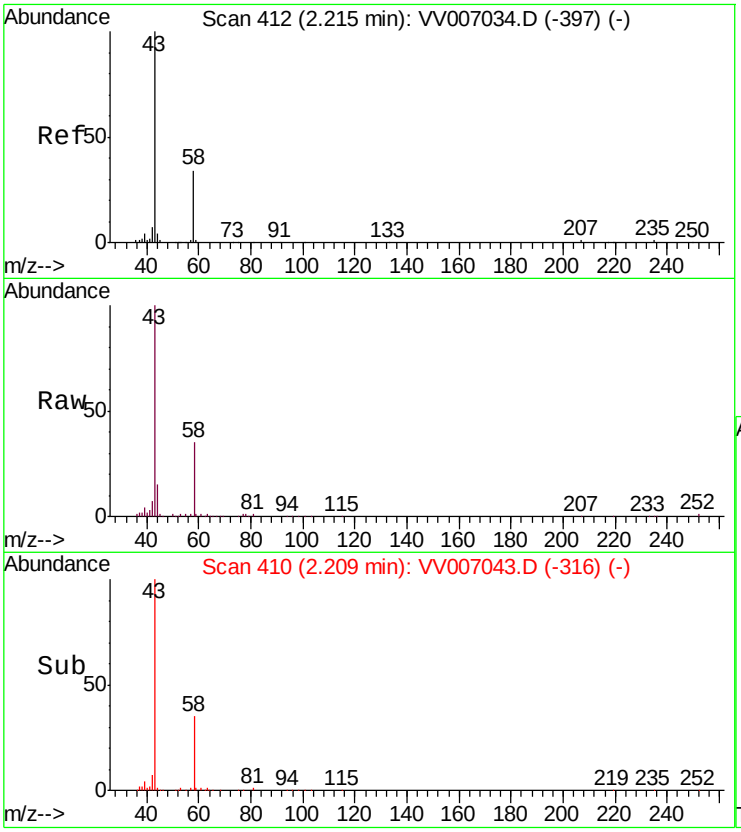




#12
1,1-Dichloroethene
Concen: 5.034 ug/L
RT: 2.14 min Scan# 389
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 96 Resp: 84236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.1 | 111.6 | 207.4 |
| 63 | 108.8 | 84.9 | 157.7 |



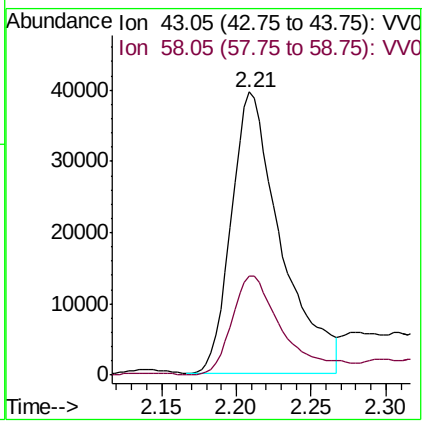


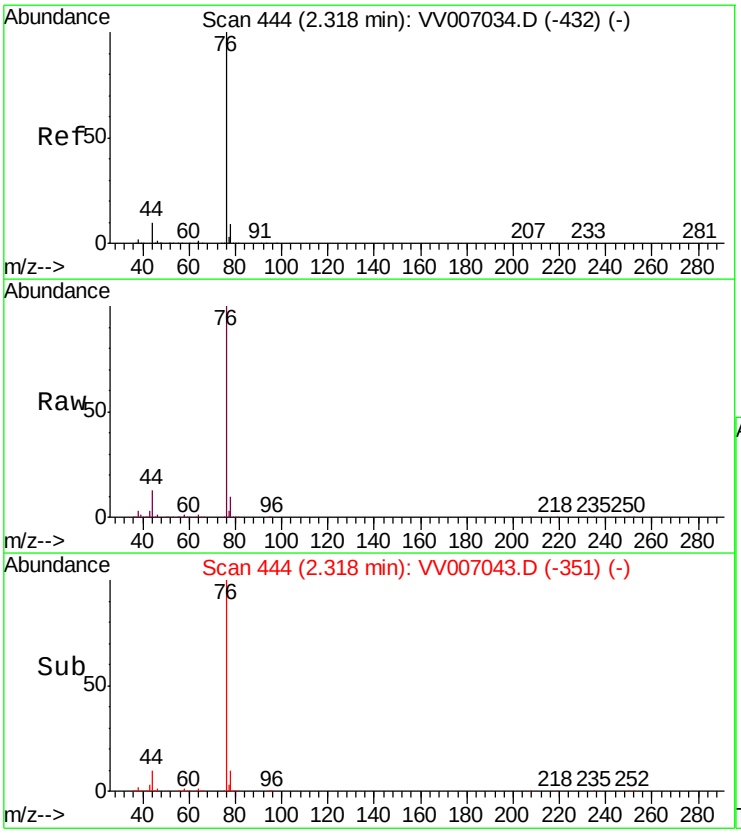

#13
Acetone
Concen: 40.900 ug/L
RT: 2.21 min Scan# 410
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 43 Resp: 91102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 0.0 | 71.4 |

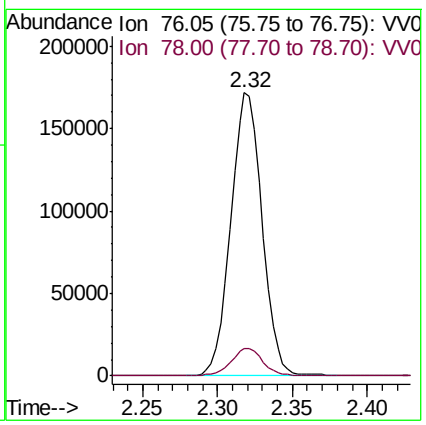


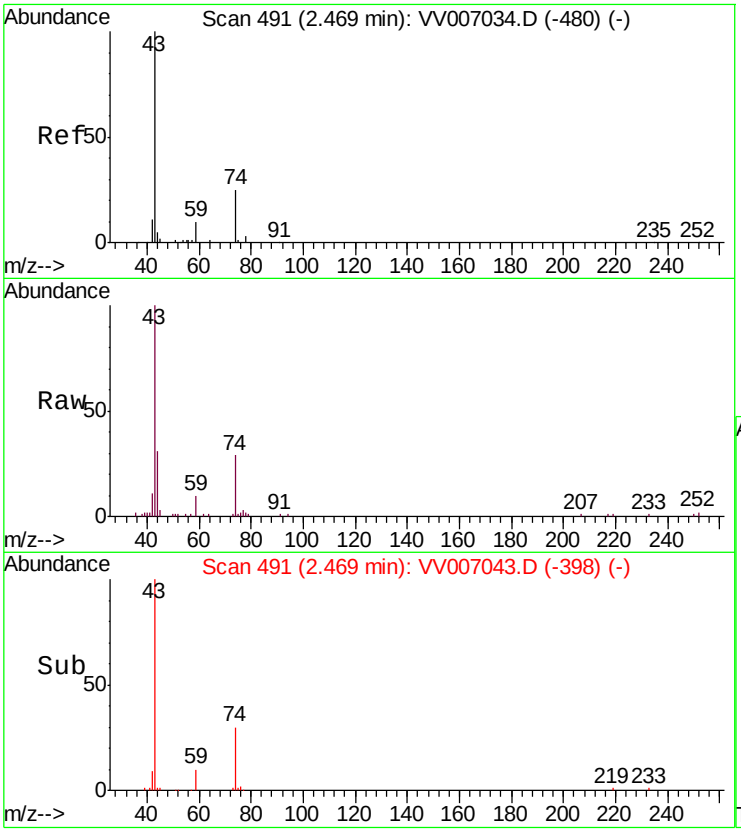




#14
Carbon disulfide
Concen: 4.527 ug/L
RT: 2.32 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 76 Resp: 250099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.9 | 7.6 | 11.4 |



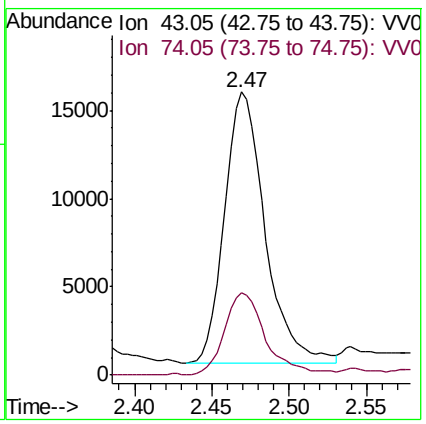


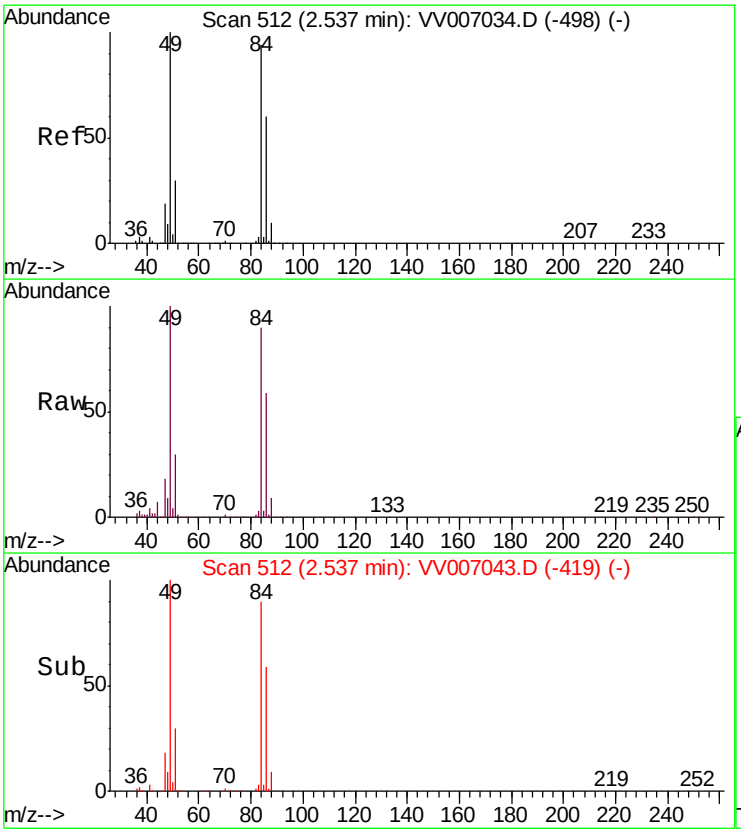

#15
Methyl Acetate
Concen: 4.445 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 43 Resp: 27867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 30.5 | 24.6 | 37.0 |

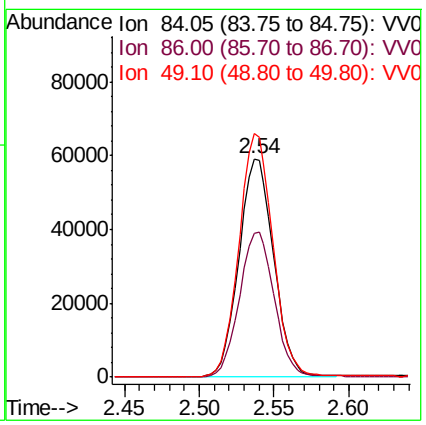


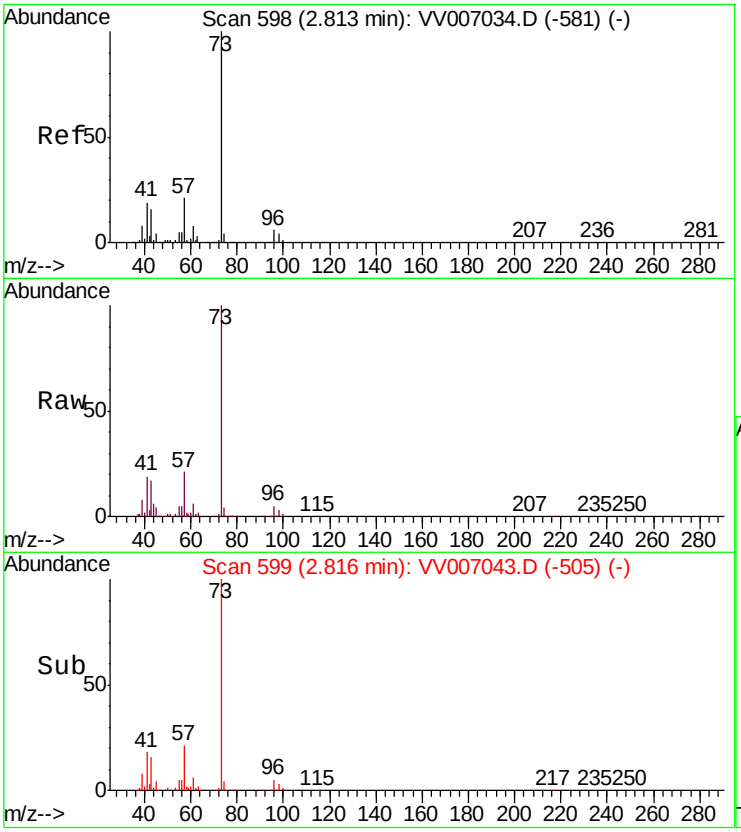




#16
Methylene chloride
Concen: 4.749 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 84 Resp: 95813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 66.0 | 45.7 | 84.9 |
| 49 | 111.6 | 78.8 | 146.4 |



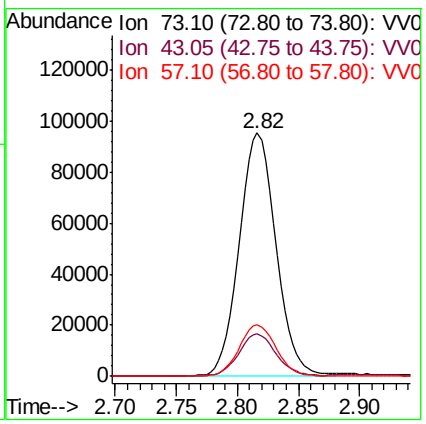


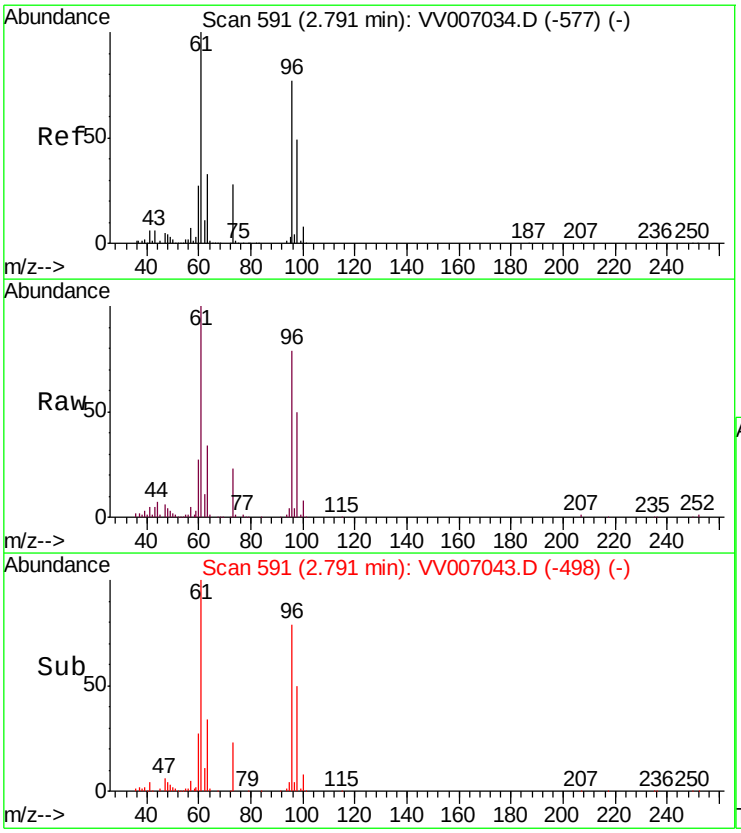

#17
Methyl tert-butyl Ether
Concen: 4.950 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 73 Resp: 198608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.2 | 14.4 | 21.6 |
| 57 | 21.4 | 17.9 | 26.9 |

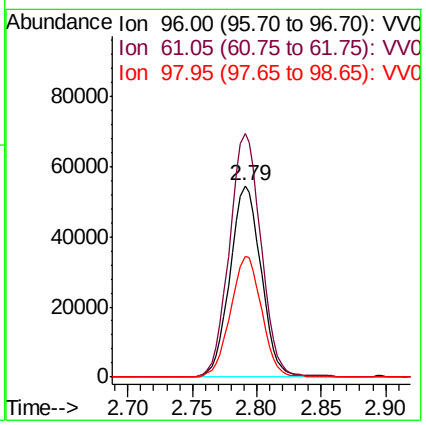


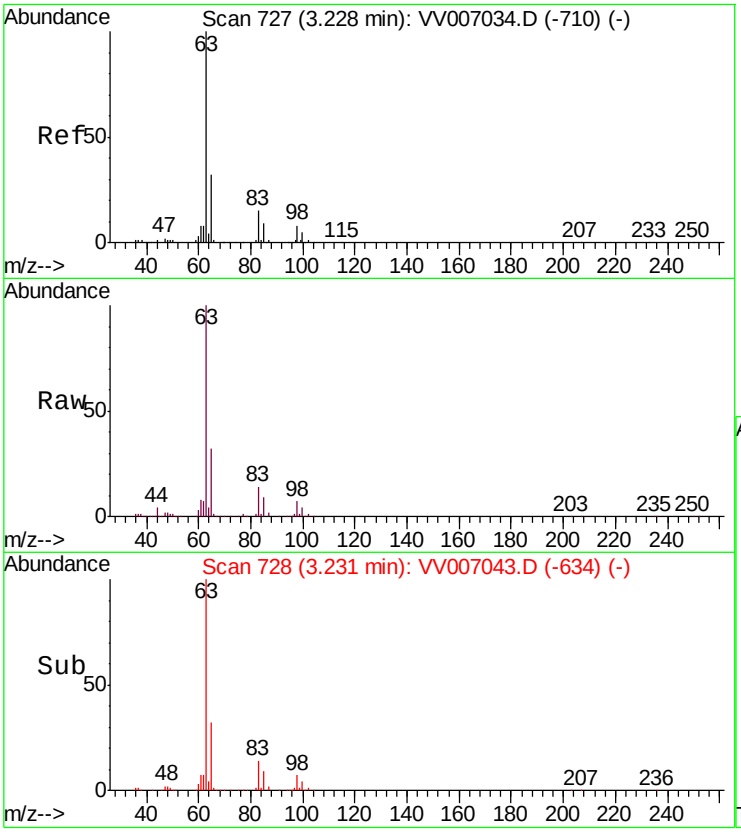




#18
trans-1,2-Dichloroethene
Concen: 5.135 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 96 Resp: 92007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 127.2 | 91.1 | 169.3 |
| 98 | 63.0 | 43.5 | 80.9 |



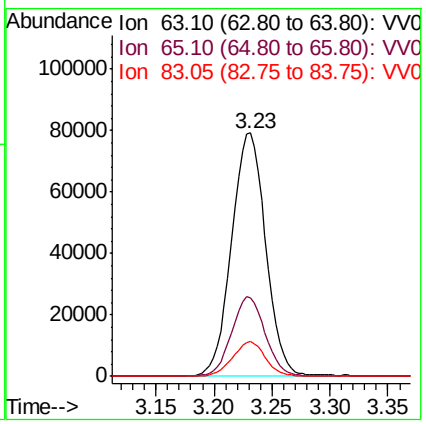


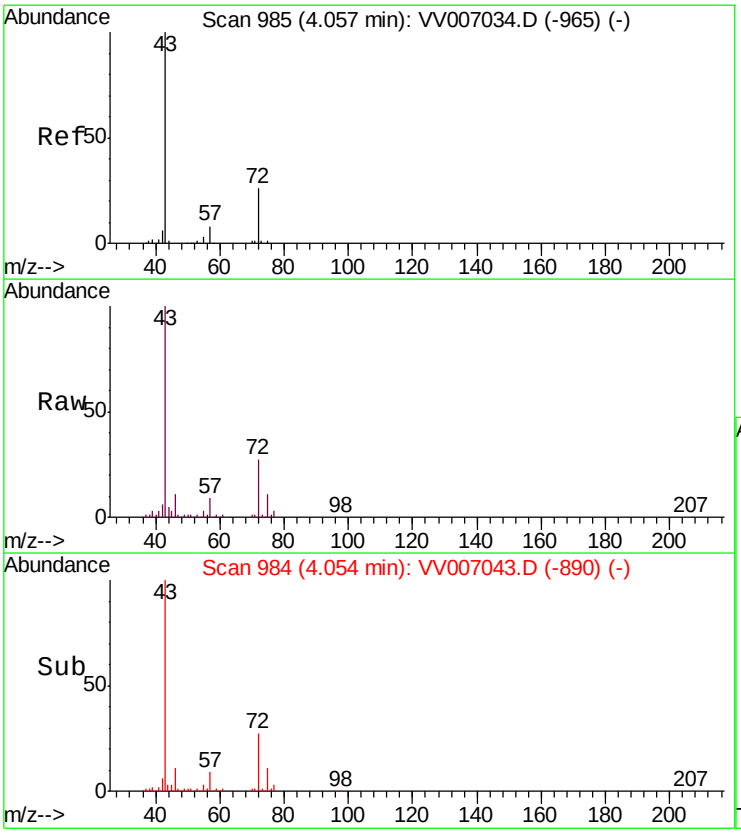

#19
1,1-Dichloroethane
Concen: 5.011 ug/L
RT: 3.23 min Scan# 728
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 63 Resp: 162086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 21.7 | 40.3 |
| 83 | 14.1 | 10.0 | 18.6 |

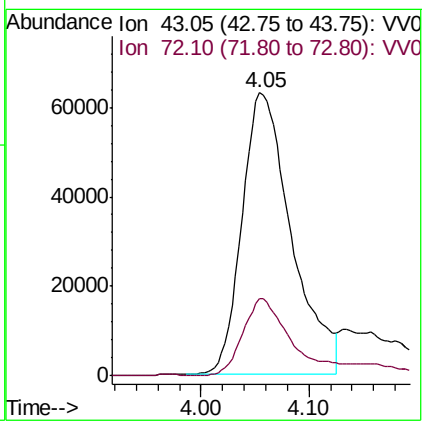


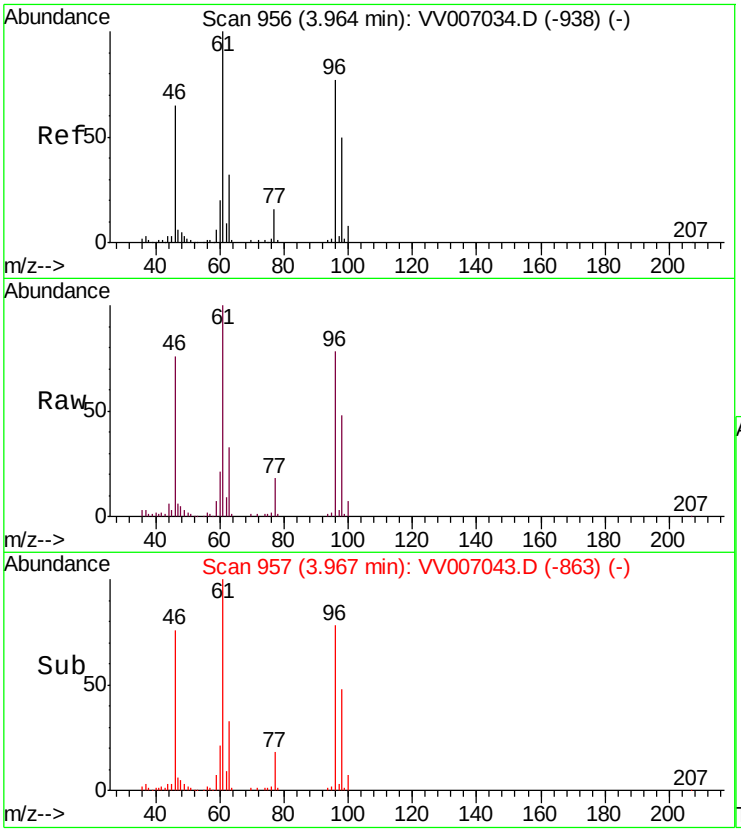




#21
2-Butanone
Concen: 41.576 ug/L
RT: 4.05 min Scan# 984
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 43 Resp: 201068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.2 | 12.4 | 37.2 |



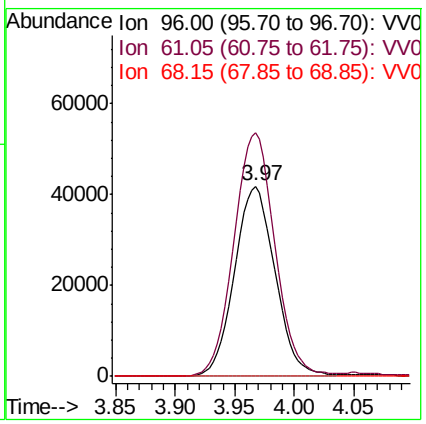


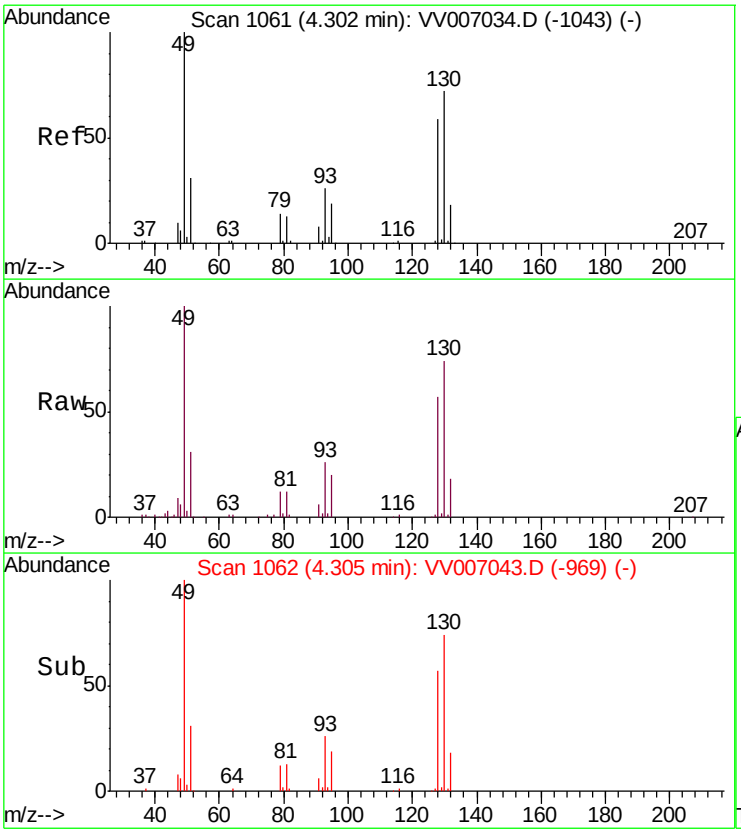

#22
cis-1,2-Dichloroethene
Concen: 4.877 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 96 Resp: 99154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.2 | 91.1 | 169.1 |
| 68 | 0.0 | 0.0 | 0.0 |

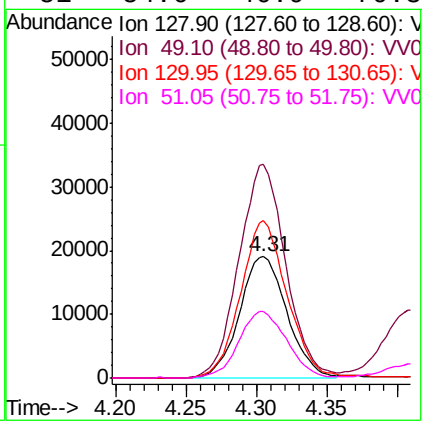


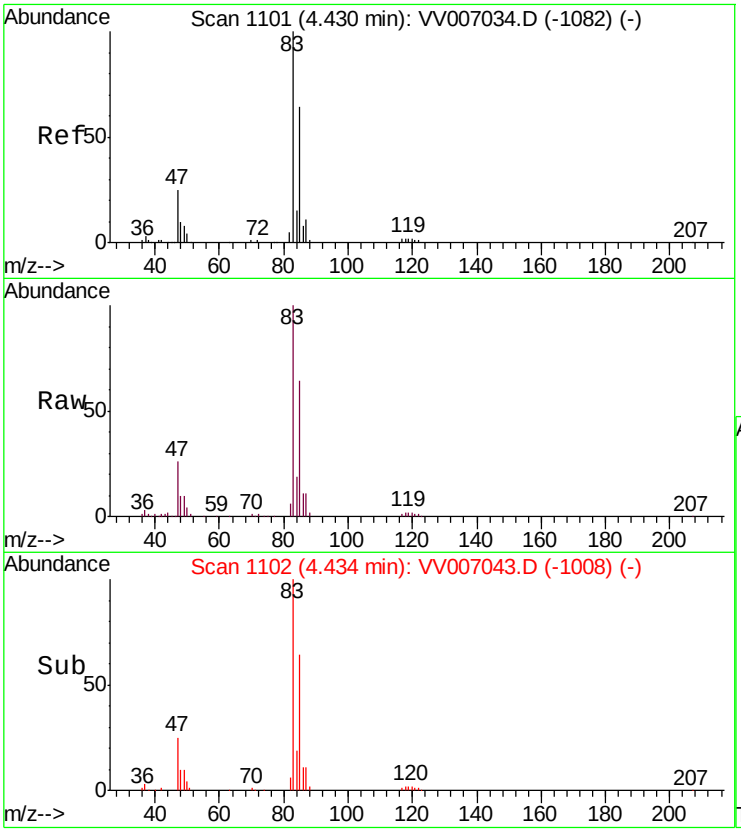




#23
Bromochloromethane
Concen: 5.413 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:128 Resp: 44861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 176.5 | 138.6 | 257.4 |
| 130 | 130.5 | 90.0 | 167.2 |
| 51 | 54.6 | 46.9 | 70.3 |



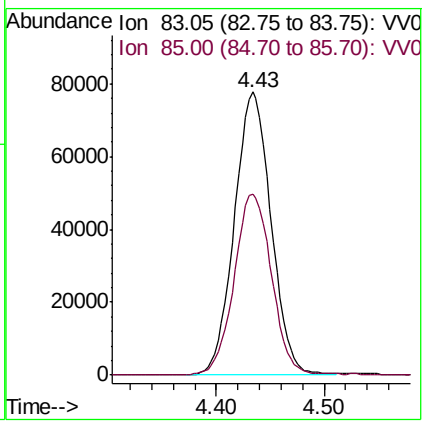


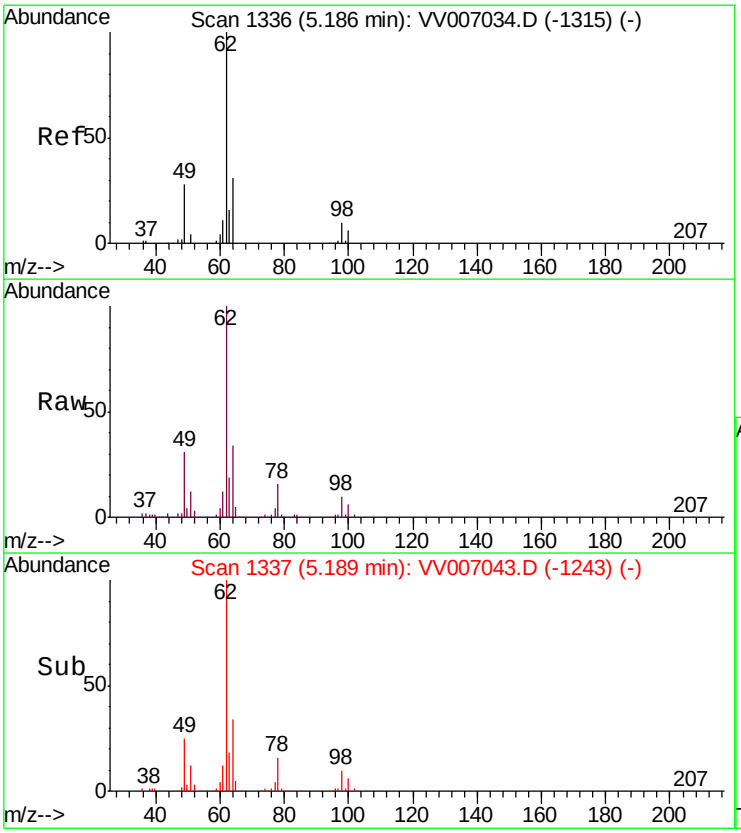

#25
Chloroform
Concen: 5.204 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 83 Resp: 184188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 44.7 | 82.9 |

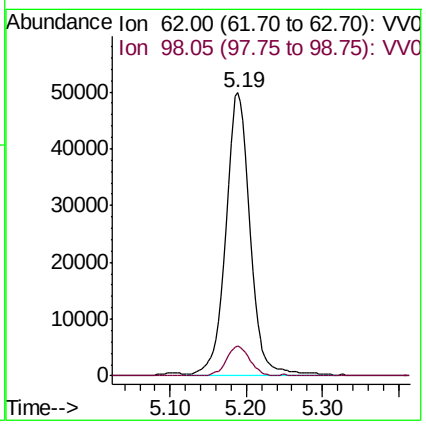


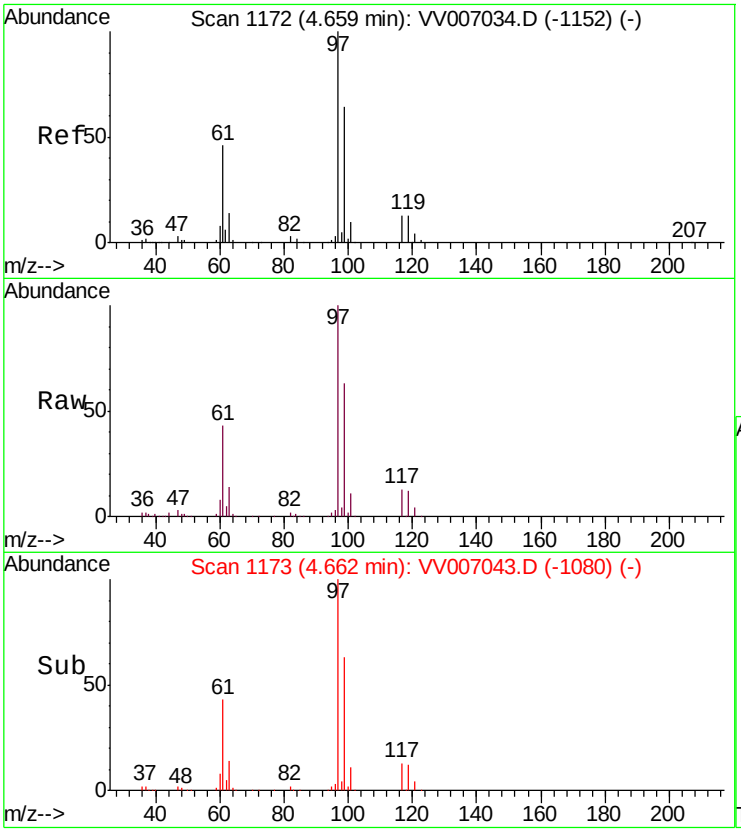




#27
1,2-Dichloroethane
Concen: 4.997 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 62 Resp: 110304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.4 | 7.6 | 11.4 |



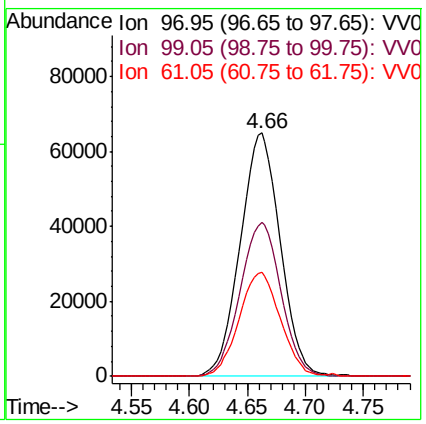


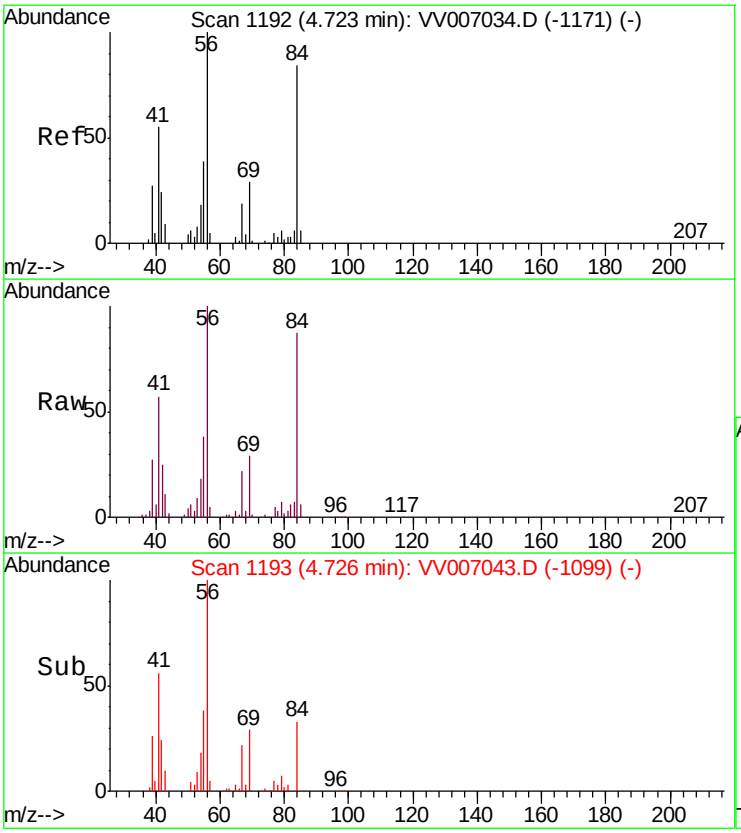

#29
1,1,1-Trichloroethane
Concen: 5.143 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 97 Resp: 156086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 51.0 | 76.6 |
| 61 | 44.1 | 36.6 | 54.8 |

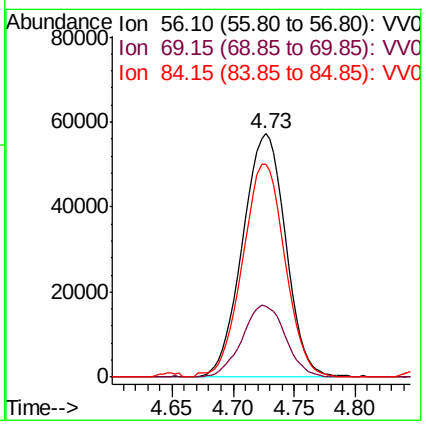


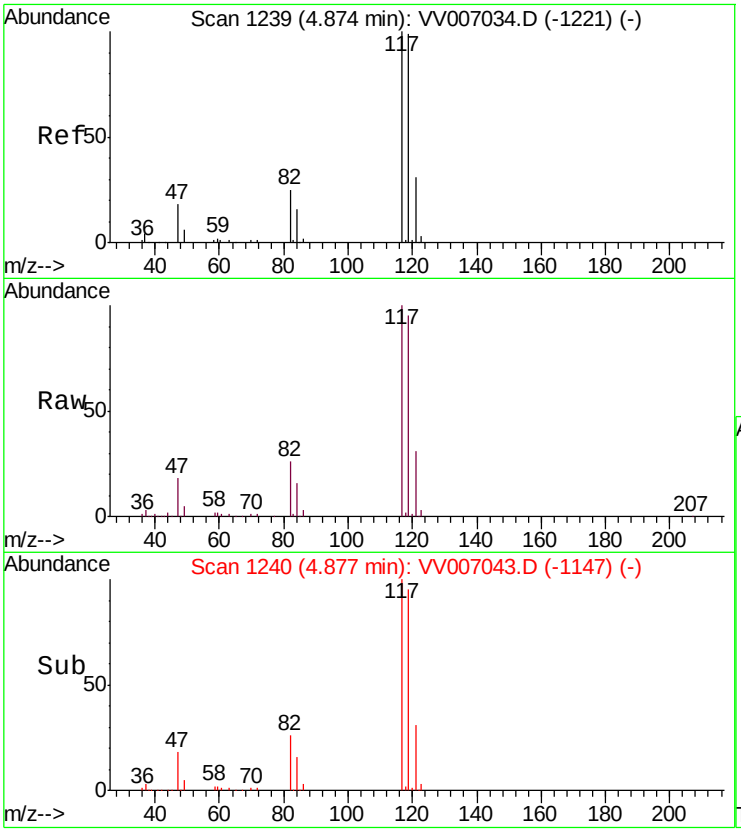




#30
Cyclohexane
Concen: 4.430 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 56 Resp: 139929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 23.8 | 35.6 |
| 84 | 86.5 | 67.9 | 101.9 |



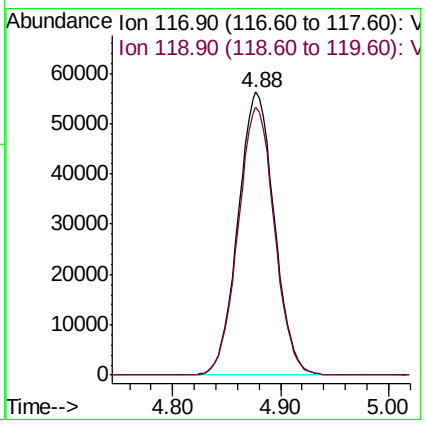


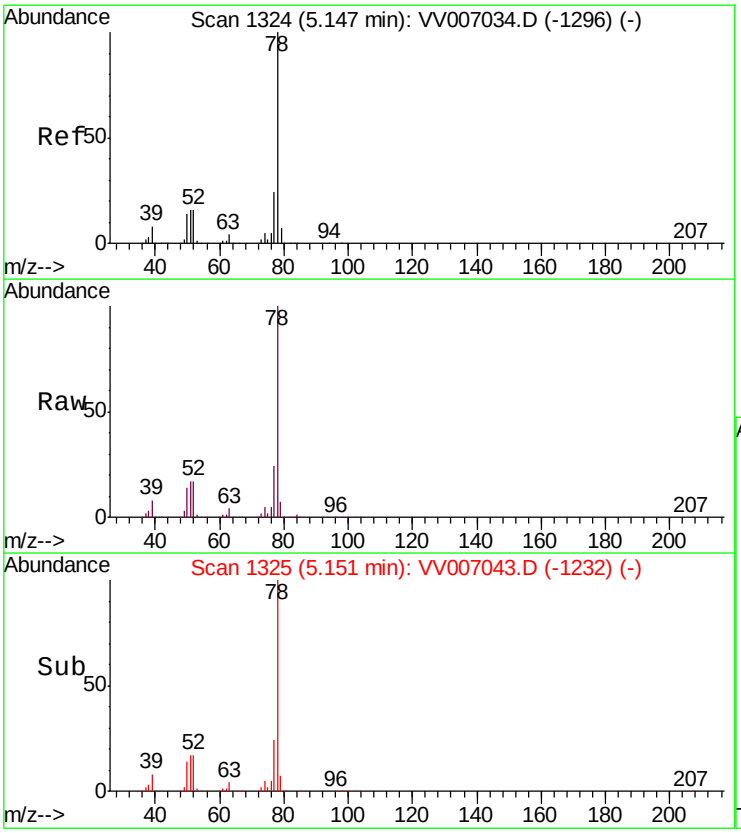

#31
Carbon tetrachloride
Concen: 5.171 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion:117 Resp: 131589

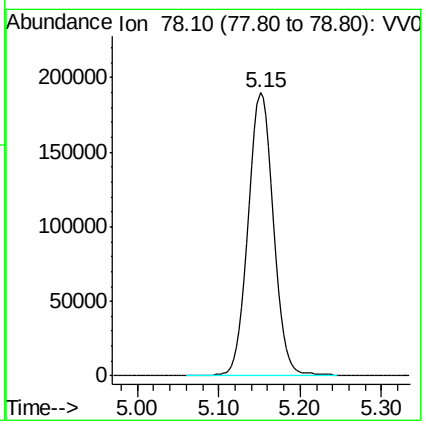
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 76.2 | 114.4 |

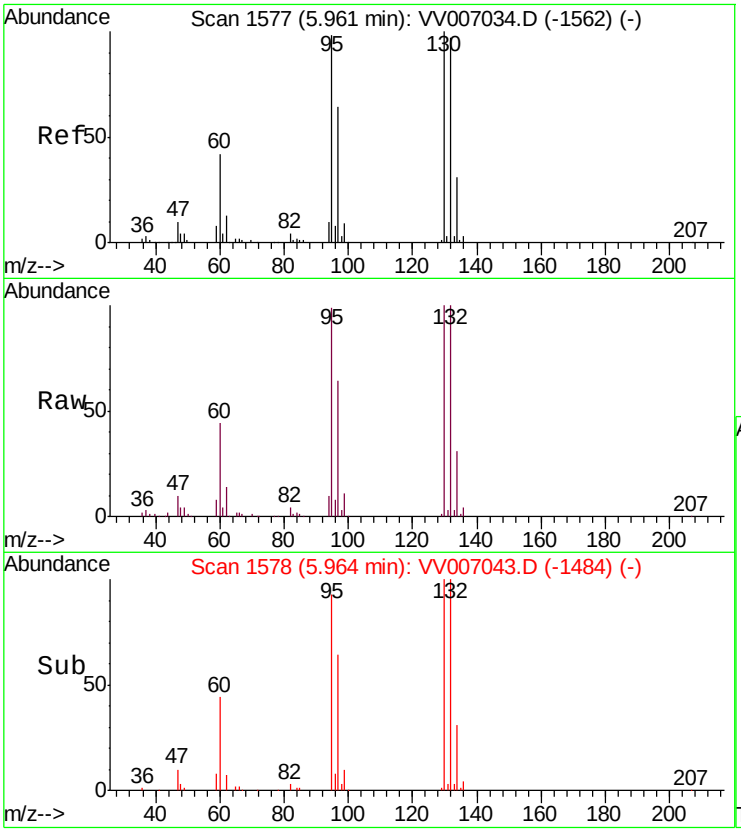



#33
Benzene
Concen: 5.135 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 78 Resp: 404900



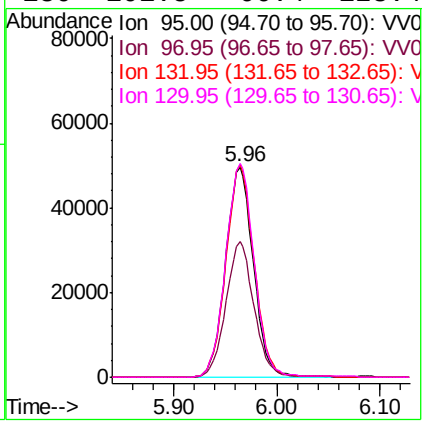


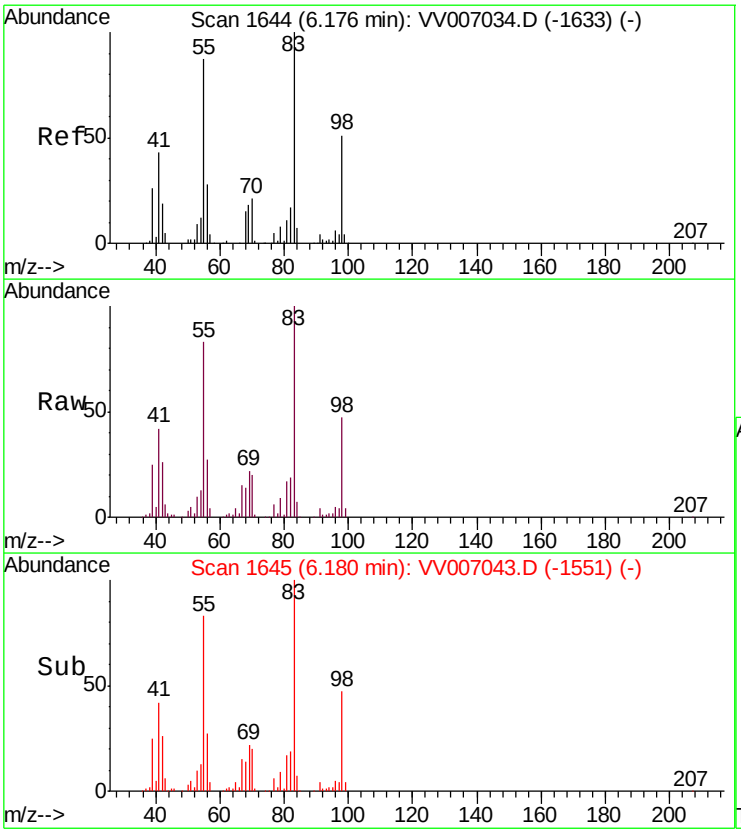

#34
Trichloroethene
Concen: 4.941 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 95 Resp: 93411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.5 | 44.8 | 83.2 |
| 132 | 101.2 | 65.5 | 121.6 |
| 130 | 101.5 | 66.4 | 123.4 |

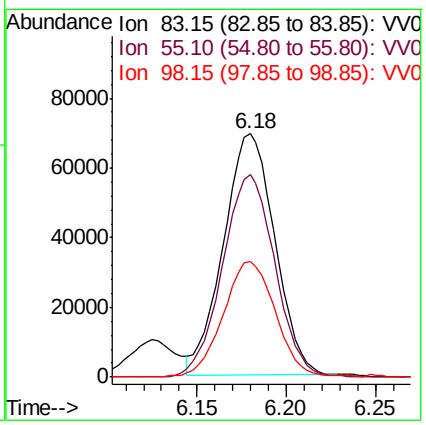


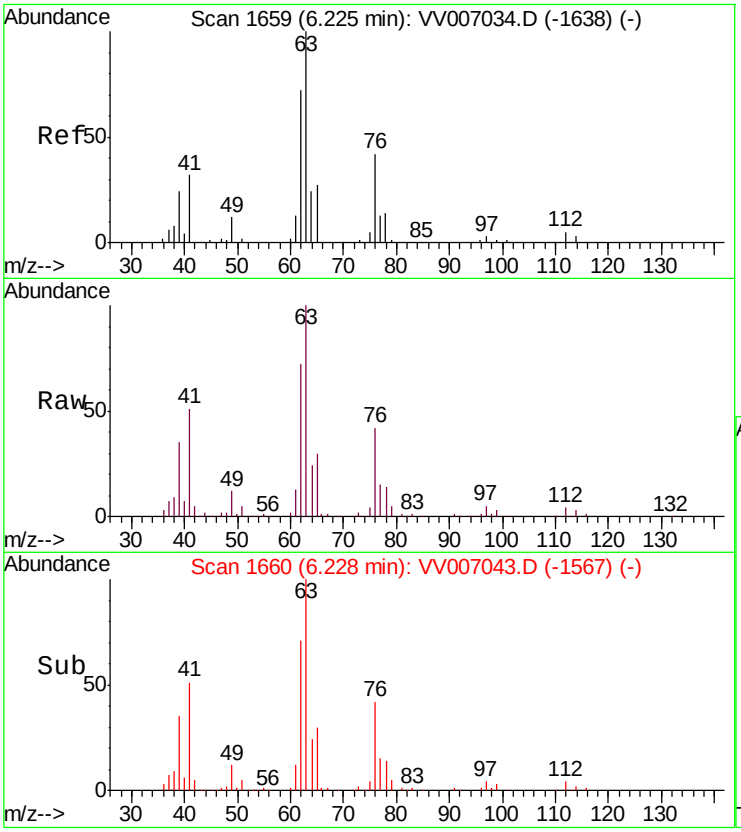




#35
Methylcyclohexane
Concen: 4.587 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 83 Resp: 139227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.6 | 68.1 | 102.1 |
| 98 | 48.6 | 37.9 | 56.9 |



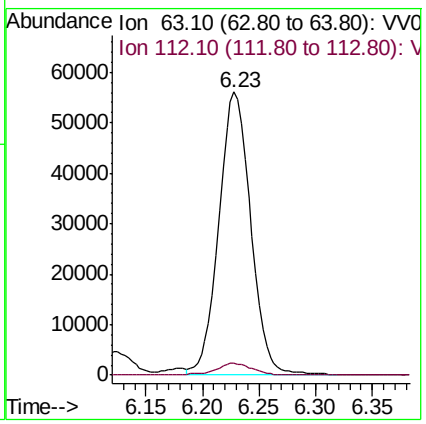


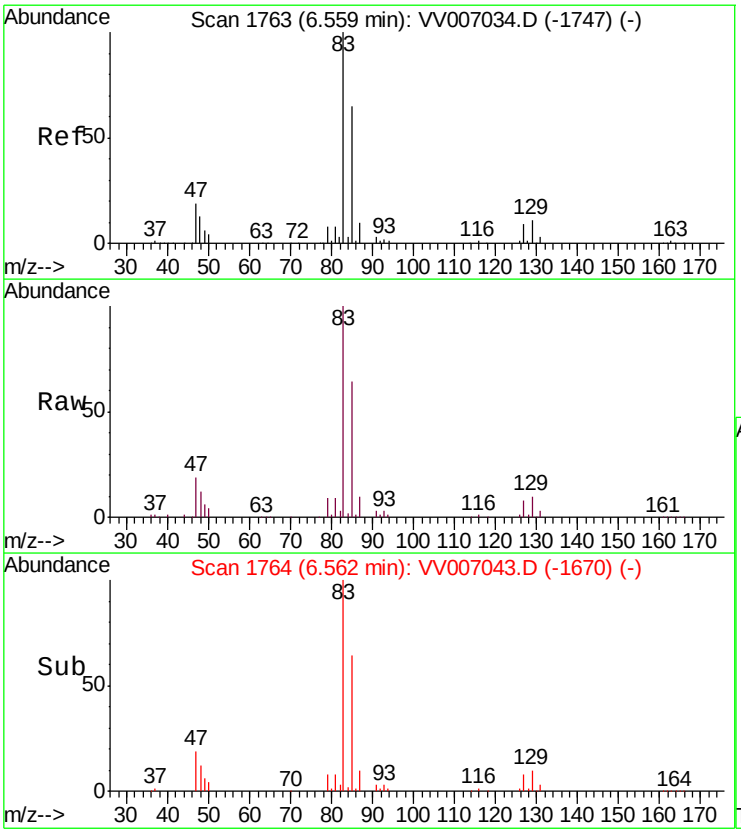

#37
1,2-Dichloropropane
Concen: 5.070 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 63 Resp: 109415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.7 | 3.5 | 5.3 |

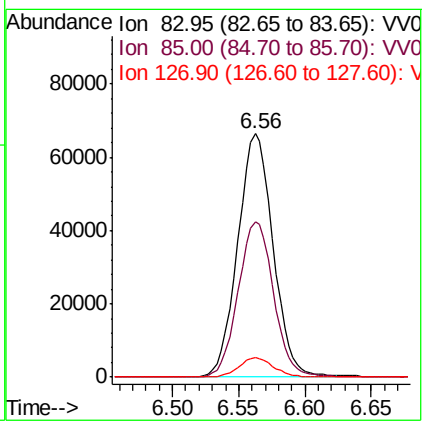


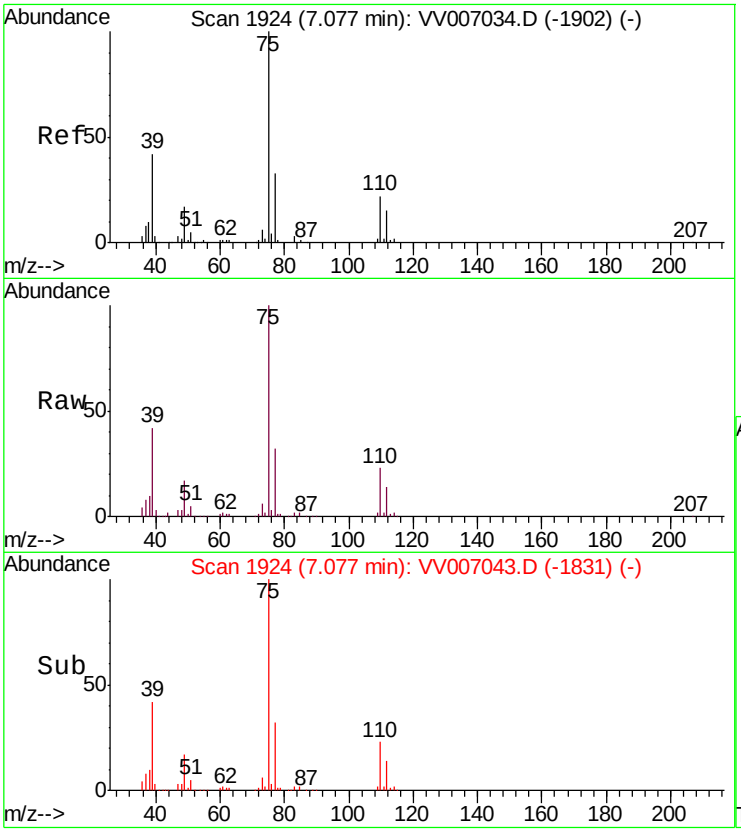




#38
Bromodichloromethane
Concen: 5.037 ug/L
RT: 6.56 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 83 Resp: 123512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.0 | 43.8 | 81.4 |
| 127 | 8.0 | 6.6 | 10.0 |



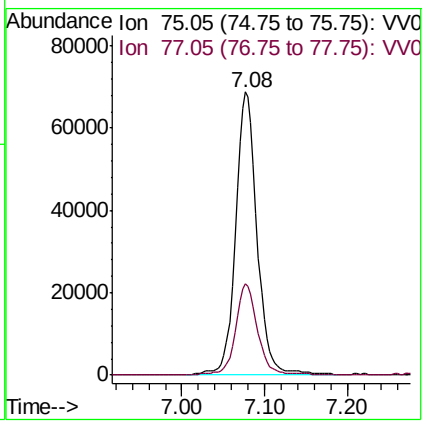


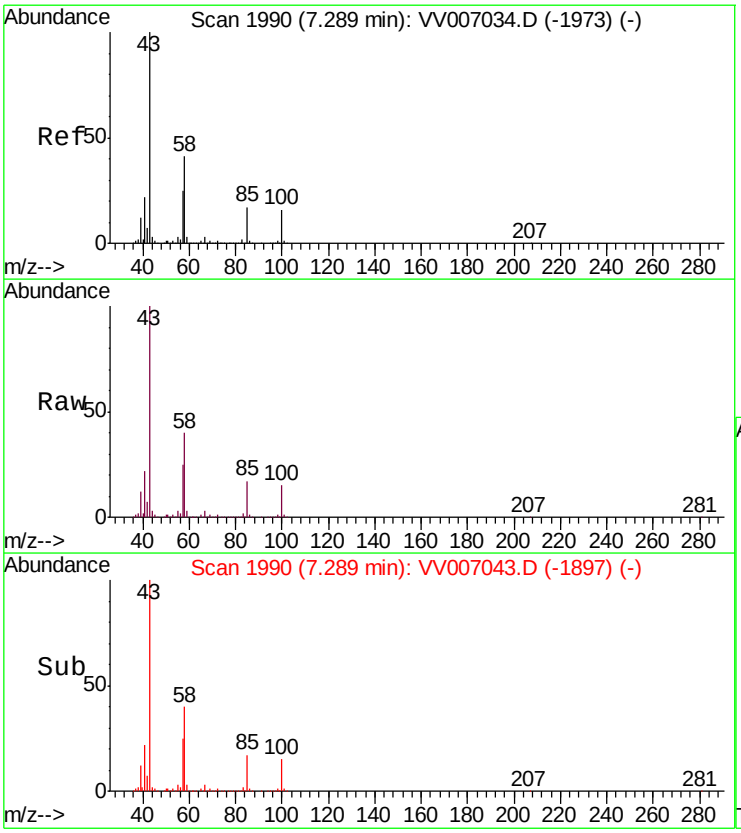

#39
cis-1,3-Dichloropropene
Concen: 4.803 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion: 75 Resp: 125218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 22.0 | 40.8 |

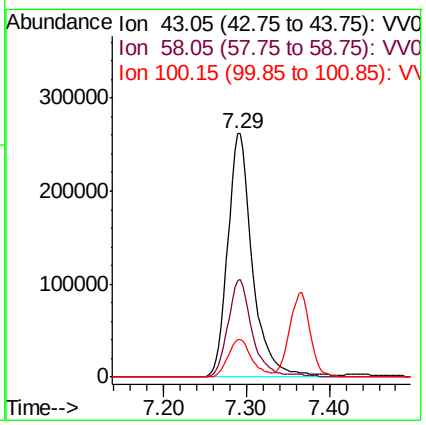


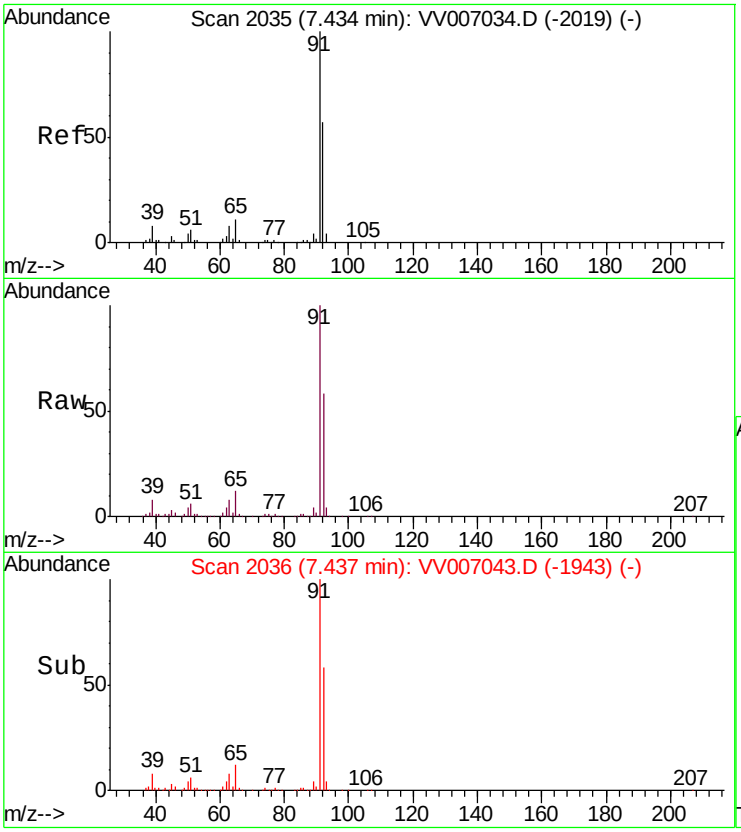




#40
4-Methyl-2-pentanone
Concen: 46.785 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 43 Resp: 545425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.0 | 30.7 | 46.1 |
| 100 | 14.9 | 11.2 | 16.8 |



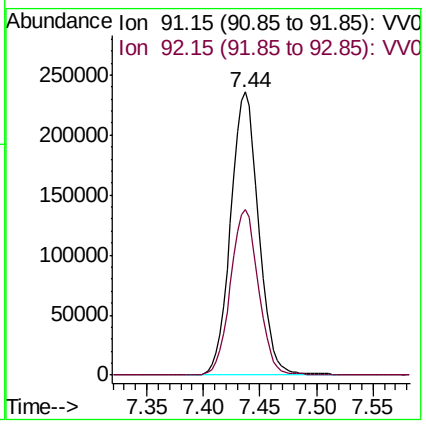


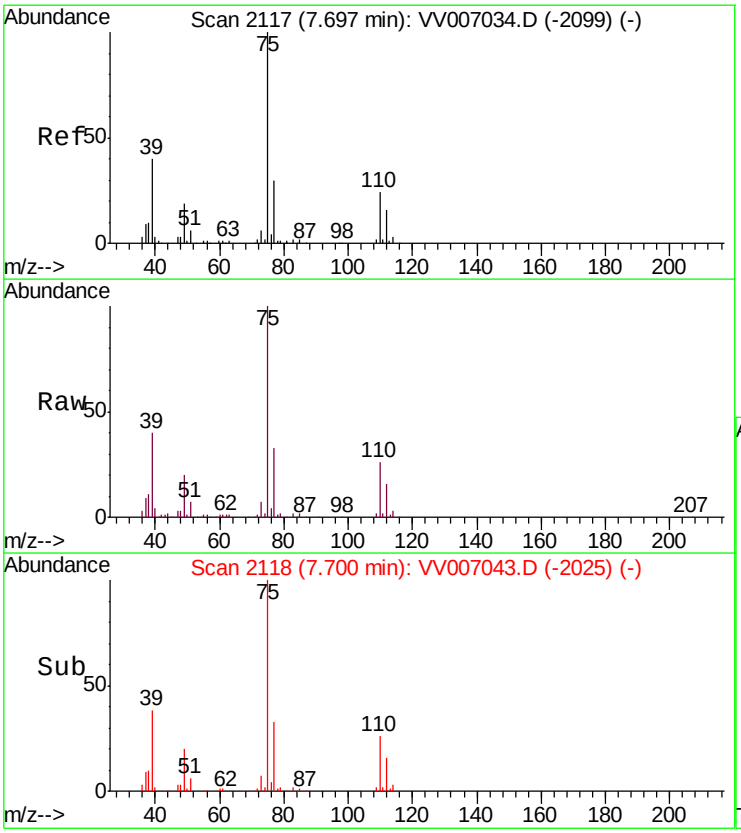

#42
Toluene
Concen: 5.359 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 91 Resp: 406047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.3 | 40.2 | 74.6 |

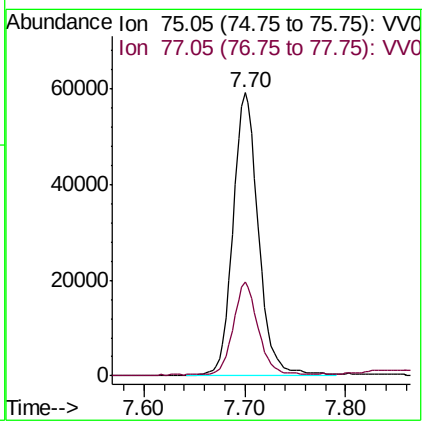


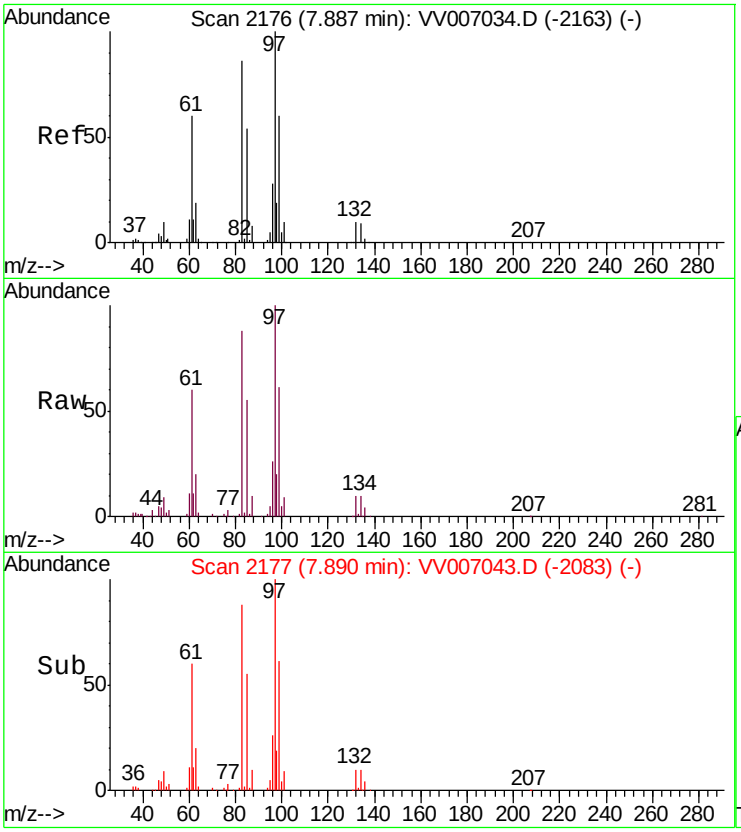




#44
trans-1,3-Dichloropropene
Concen: 4.866 ug/L
RT: 7.70 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 75 Resp: 104128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 22.3 | 41.3 |



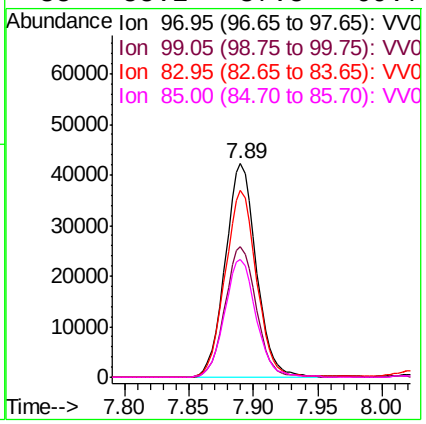


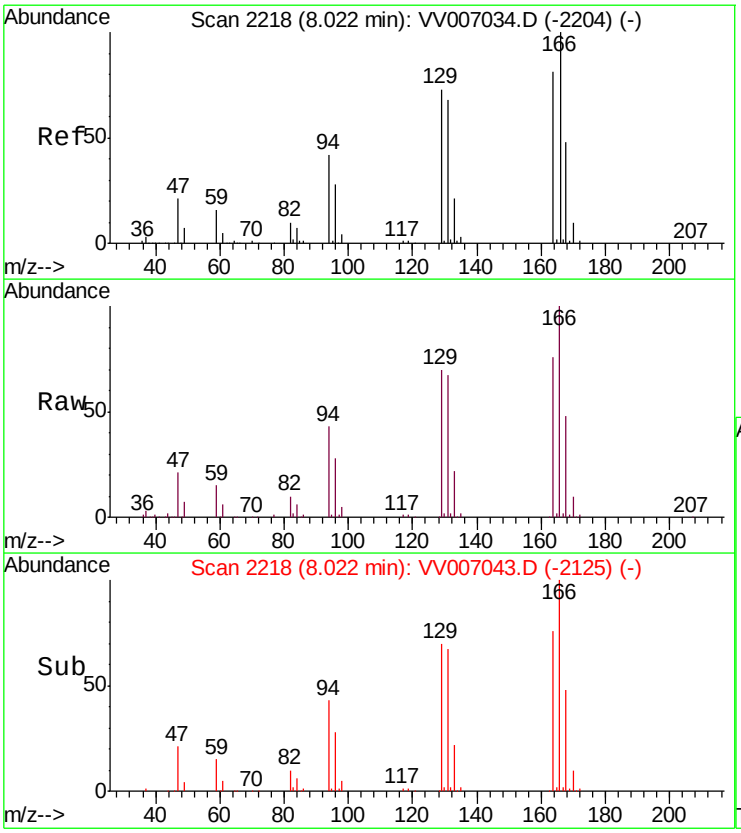

#45
1,1,2-Trichloroethane
Concen: 5.036 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 97 Resp: 70708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.9 | 40.6 | 75.4 |
| 83 | 87.8 | 58.0 | 107.8 |
| 85 | 55.2 | 37.5 | 69.7 |

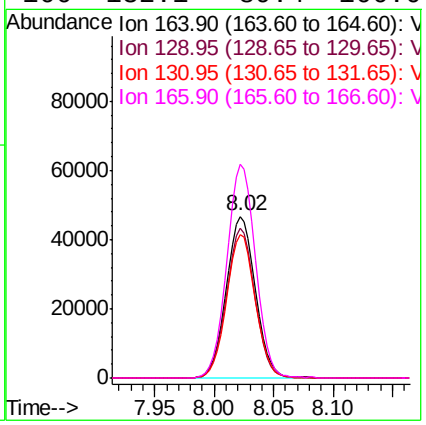


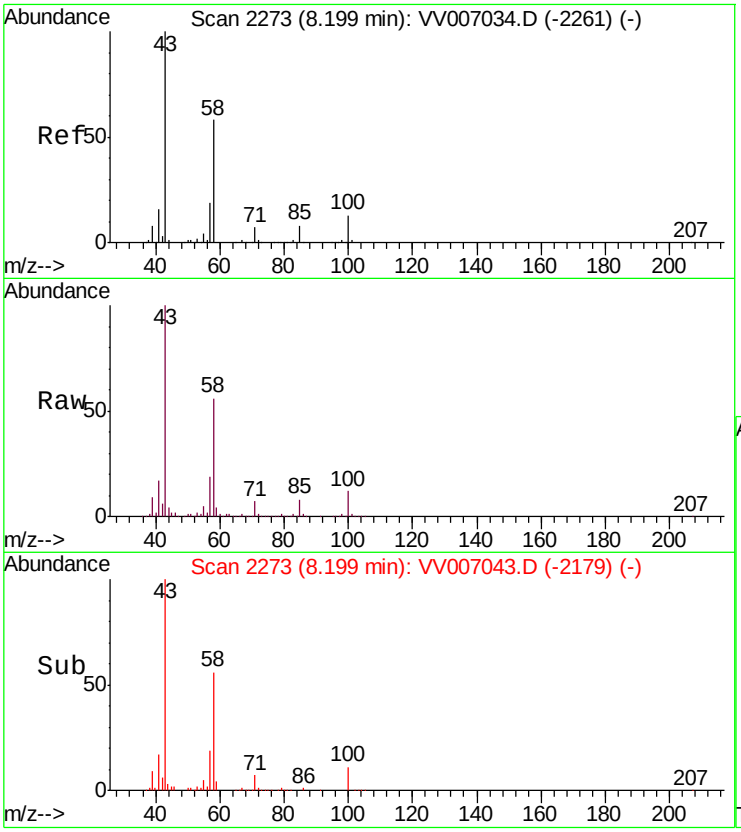




#47
Tetrachloroethene
Concen: 5.165 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:164 Resp: 79177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.0 | 65.9 | 122.3 |
| 131 | 88.6 | 64.2 | 119.2 |
| 166 | 132.1 | 89.4 | 166.0 |



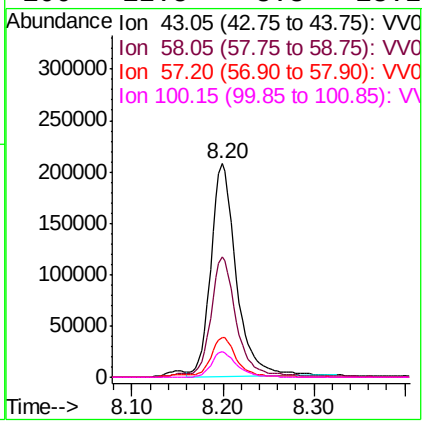


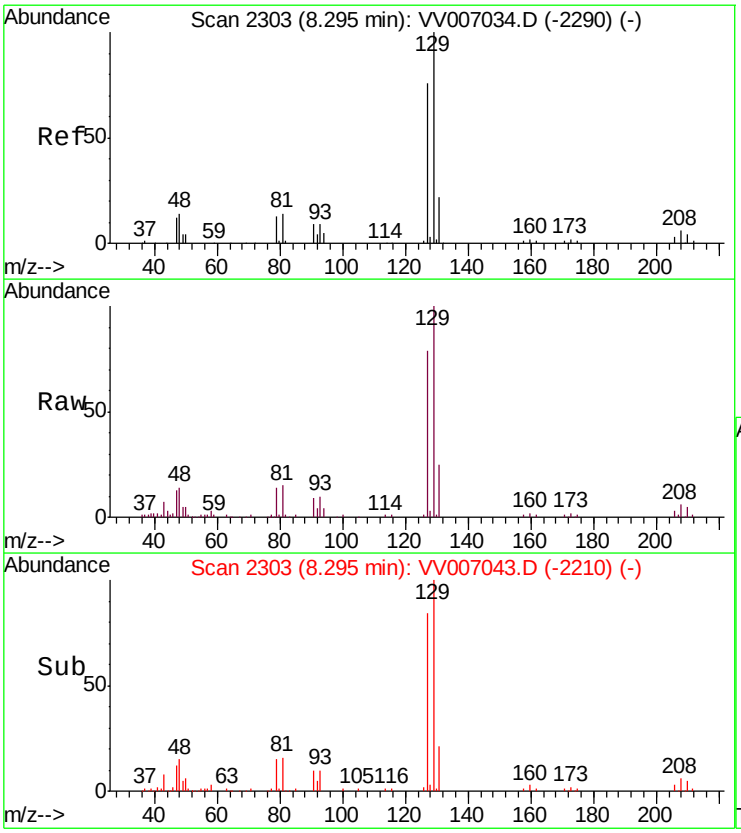

#48
2-Hexanone
Concen: 48.998 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 43 Resp: 402871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.1 | 44.2 | 66.2 |
| 57 | 19.3 | 14.8 | 22.2 |
| 100 | 12.5 | 8.8 | 13.2 |

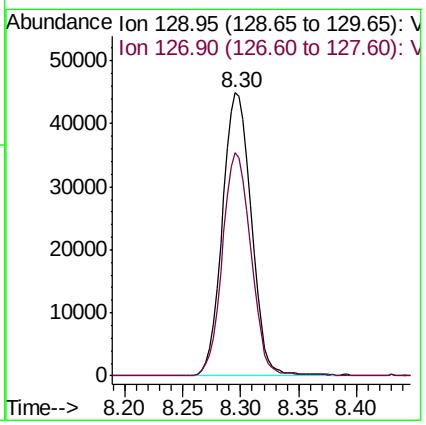


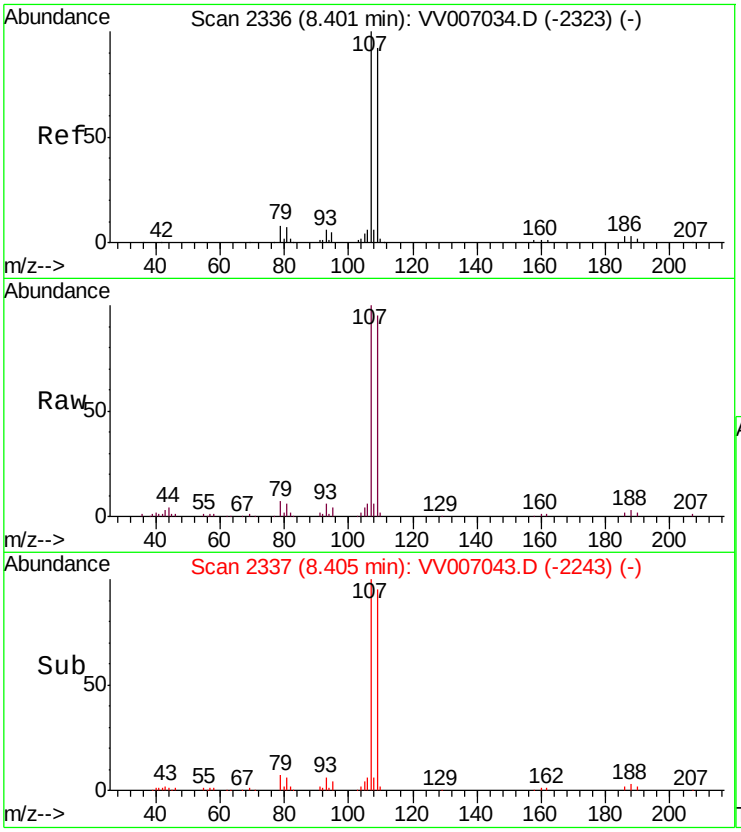




#49
Dibromochloromethane
Concen: 5.294 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:129 Resp: 77972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.9 | 53.3 | 98.9 |



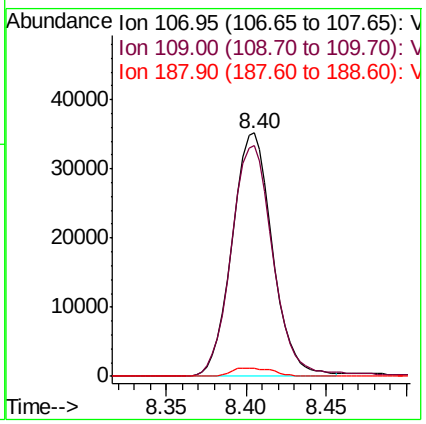


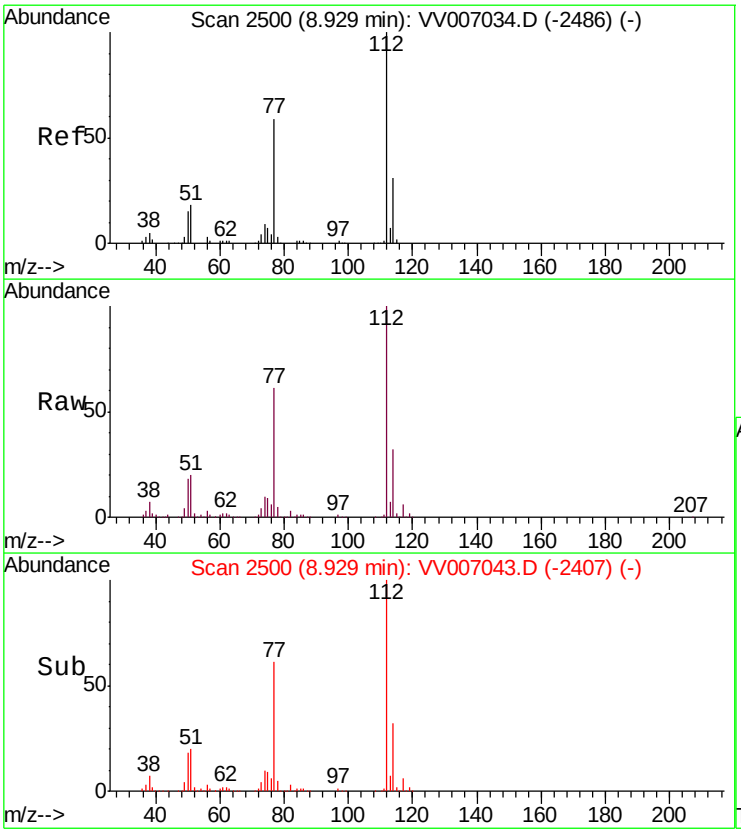

#50
1,2-Dibromoethane
Concen: 5.105 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion:107 Resp: 60540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 64.1 | 119.1 |
| 188 | 3.1 | 4.0 | 6.0# |

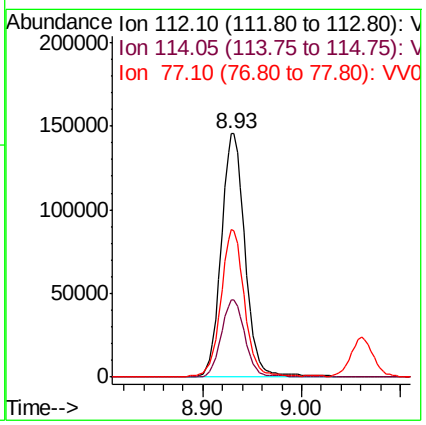


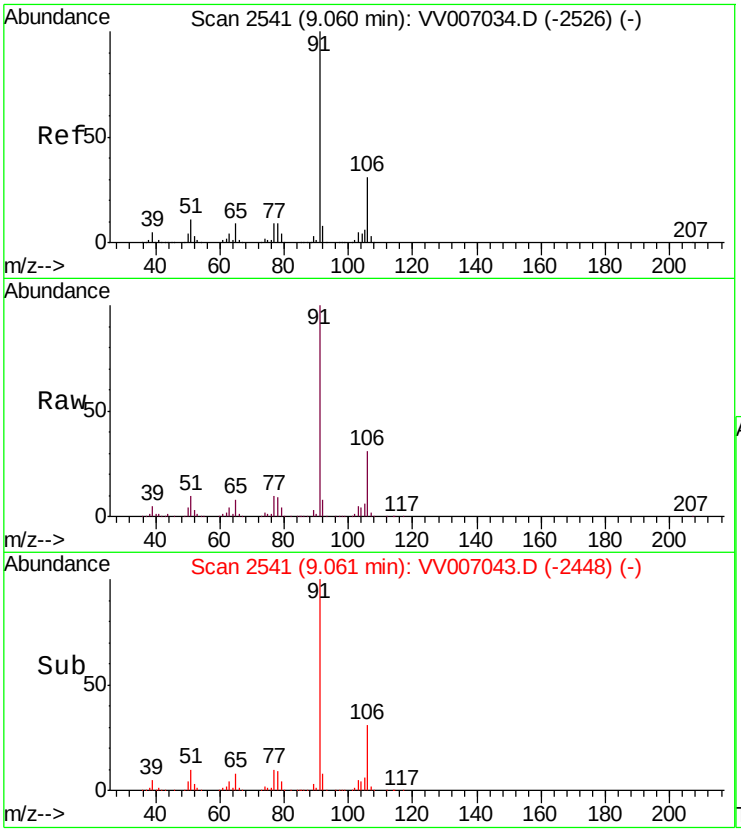




#51
Chlorobenzene
Concen: 5.107 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:112 Resp: 246635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 21.8 | 40.6 |
| 77 | 60.8 | 48.0 | 72.0 |



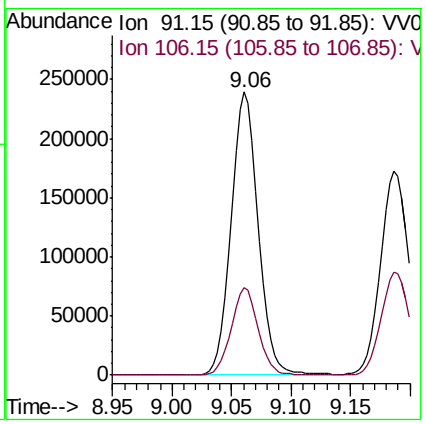


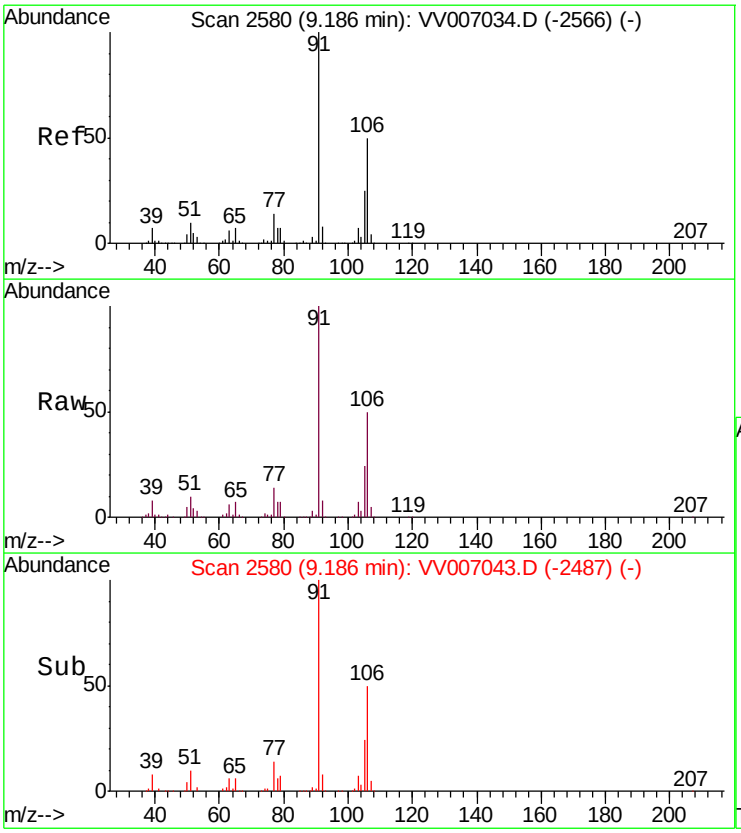

#52
Ethylbenzene
Concen: 4.981 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 91 Resp: 376863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 21.3 | 39.5 |

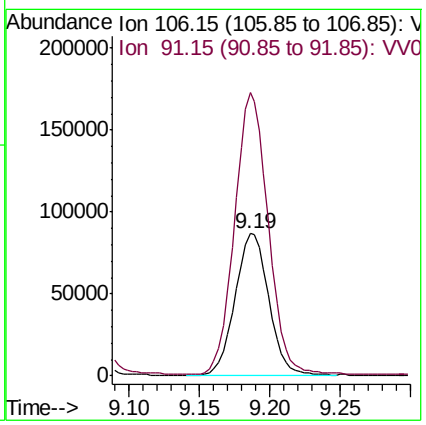


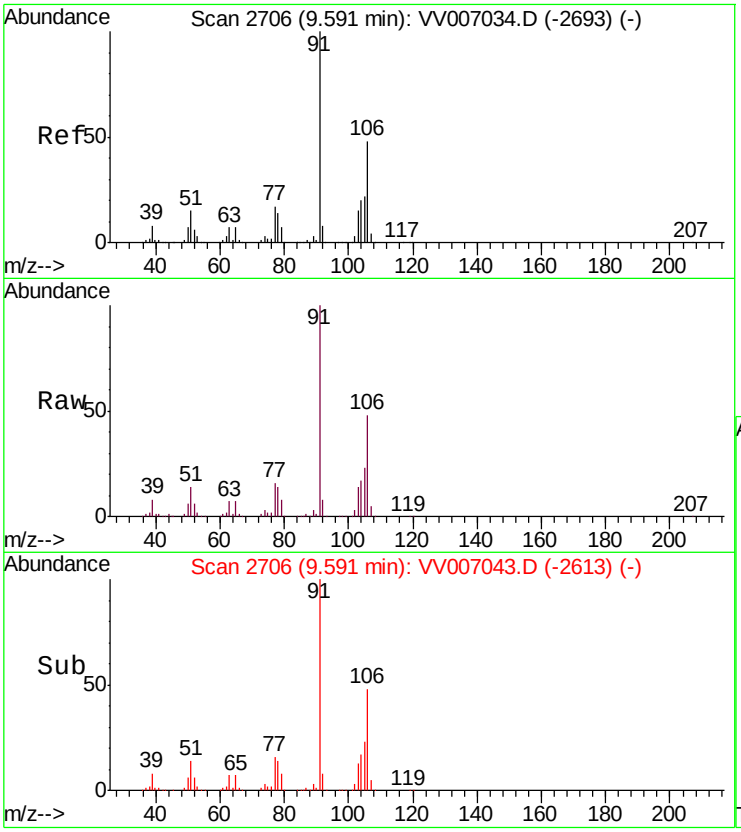




#53
m,p-xylene
Concen: 5.148 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:106 Resp: 145175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 198.8 | 141.6 | 263.0 |



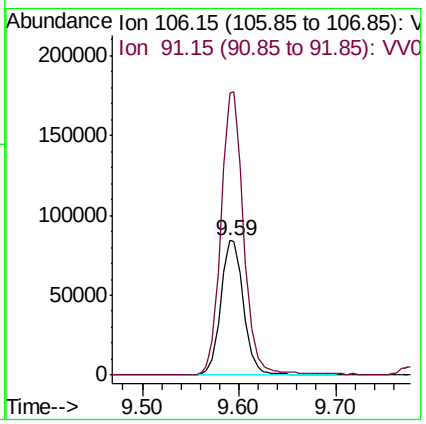


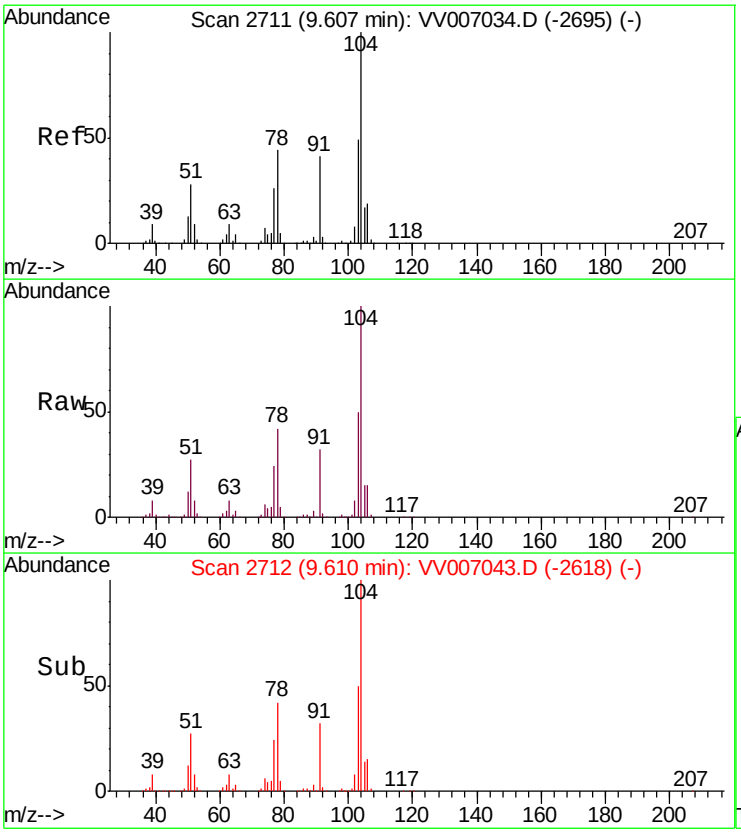

#54
o-xylene
Concen: 5.175 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion:106 Resp: 138280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.7 | 149.8 | 278.2 |

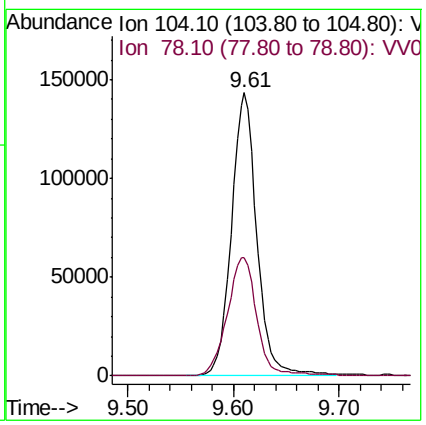


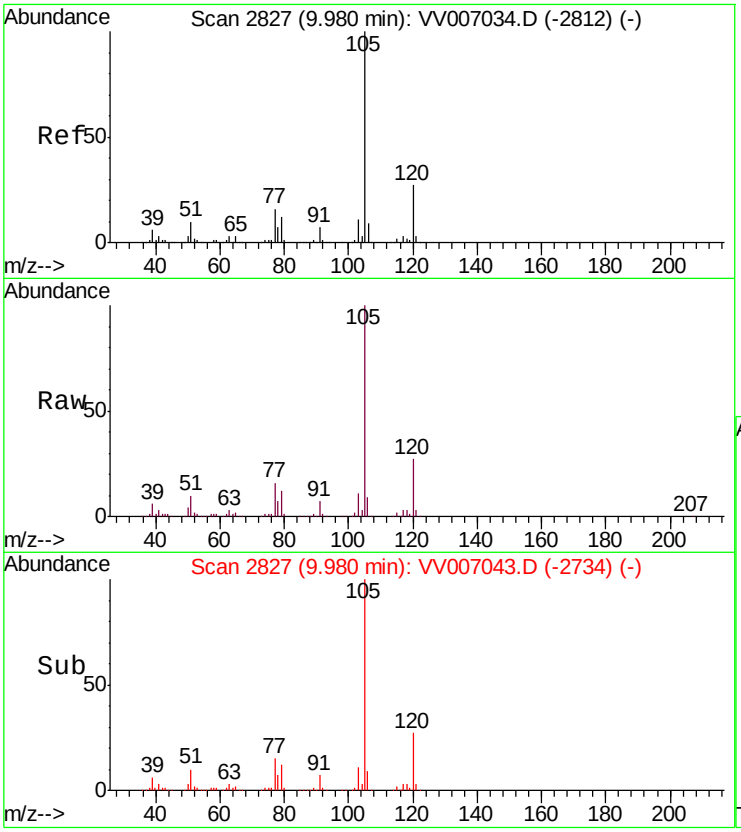




#55
Styrene
Concen: 5.307 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:104 Resp: 239056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 41.8 | 30.4 | 56.5 |



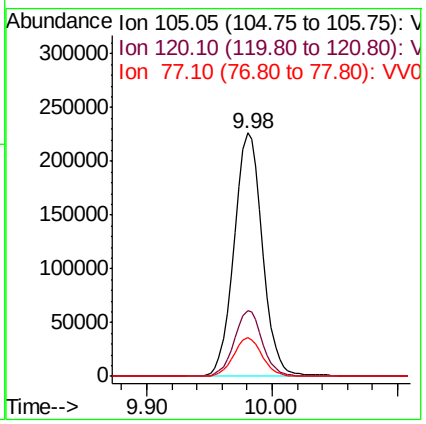


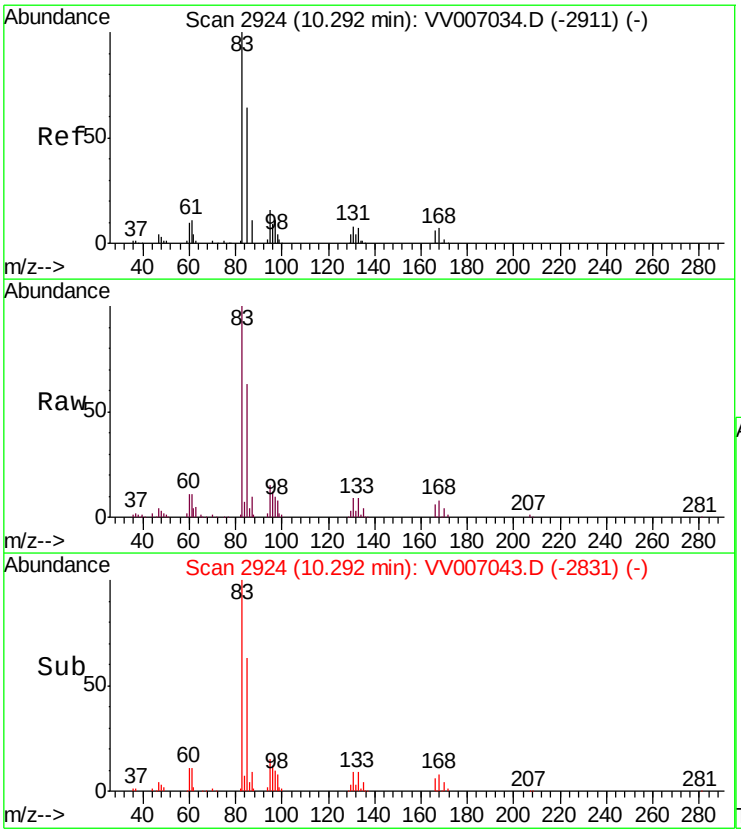

#56
Isopropylbenzene
Concen: 5.074 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00562

Tgt Ion:105 Resp: 355718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.9 | 21.1 | 31.7 |
| 77 | 16.0 | 13.0 | 19.4 |

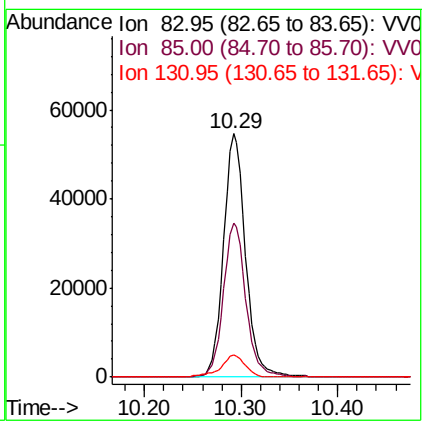


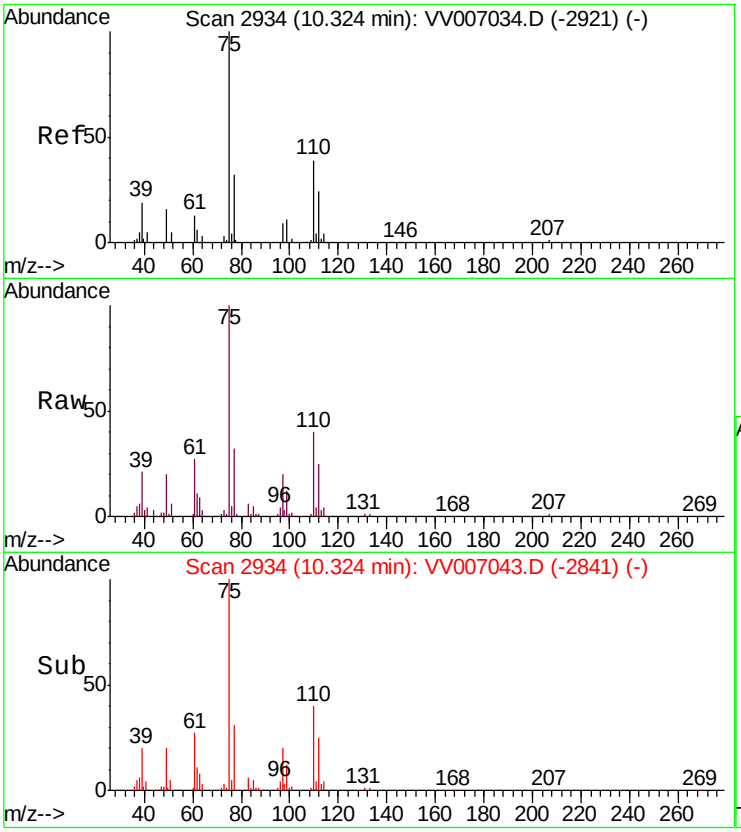




#58
1,1,2,2-Tetrachloroethane
Concen: 5.059 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 83 Resp: 86332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 43.0 | 79.8 |
| 131 | 9.0 | 7.4 | 11.2 |



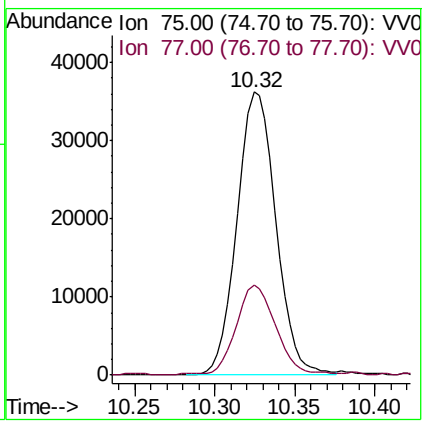


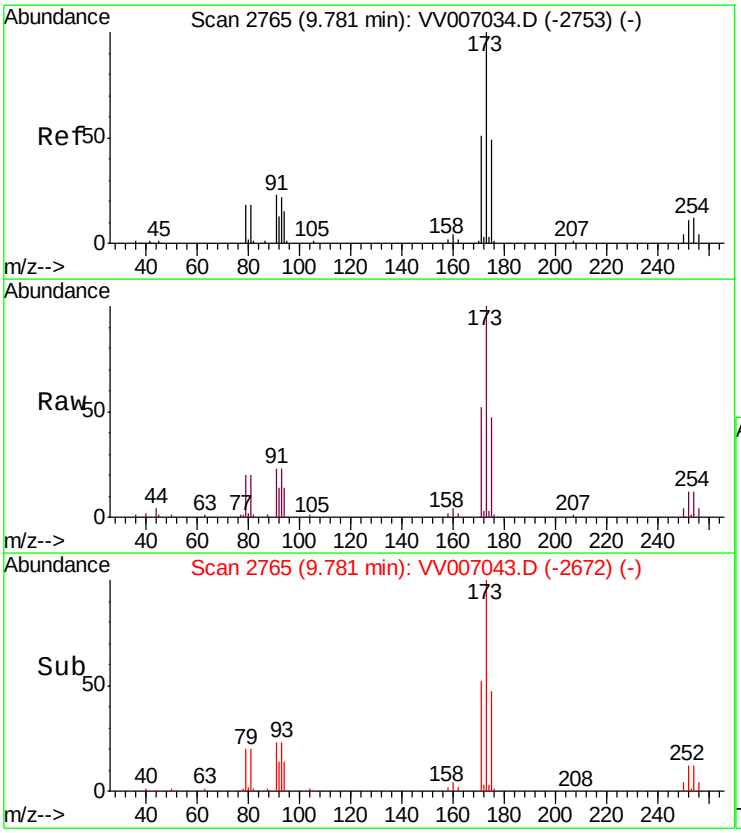

#59
1,2,3-Trichloropropane
Concen: 4.971 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion: 75 Resp: 60058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.4 | 38.0 |

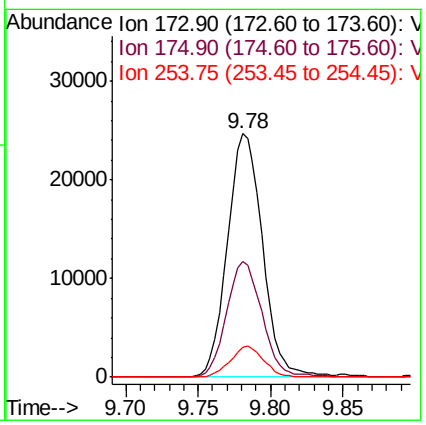


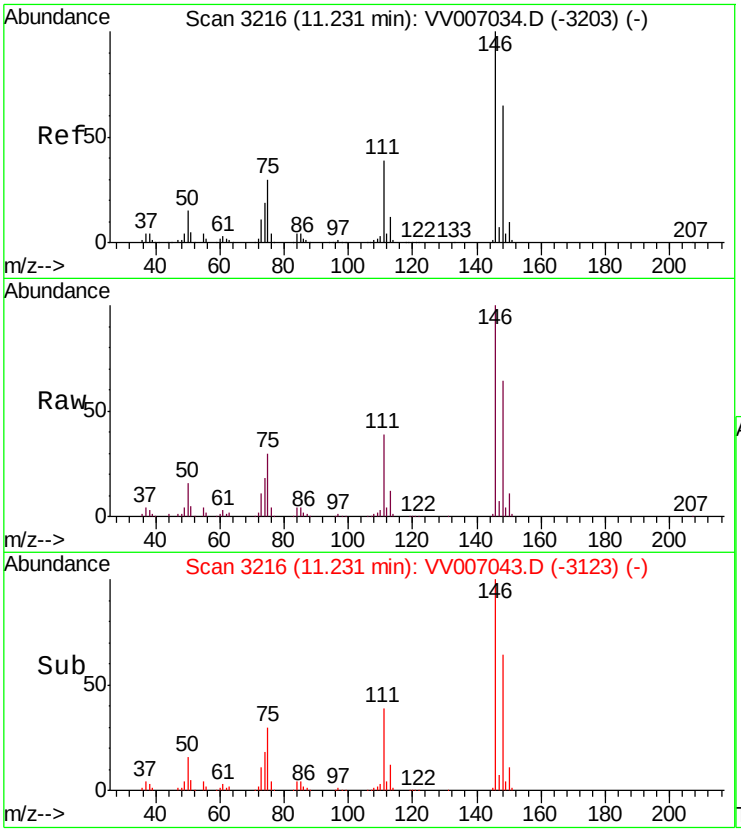




#61
Bromoform
Concen: 5.272 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:173 Resp: 41513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 39.3 | 58.9 |
| 254 | 11.9 | 8.3 | 12.5 |



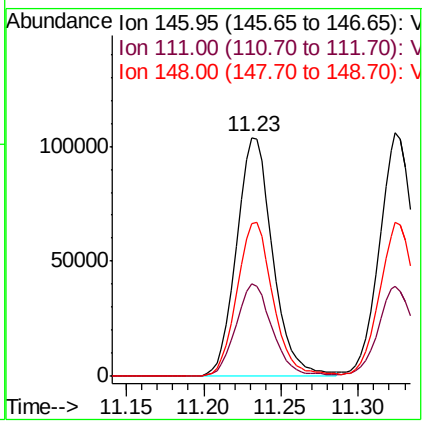


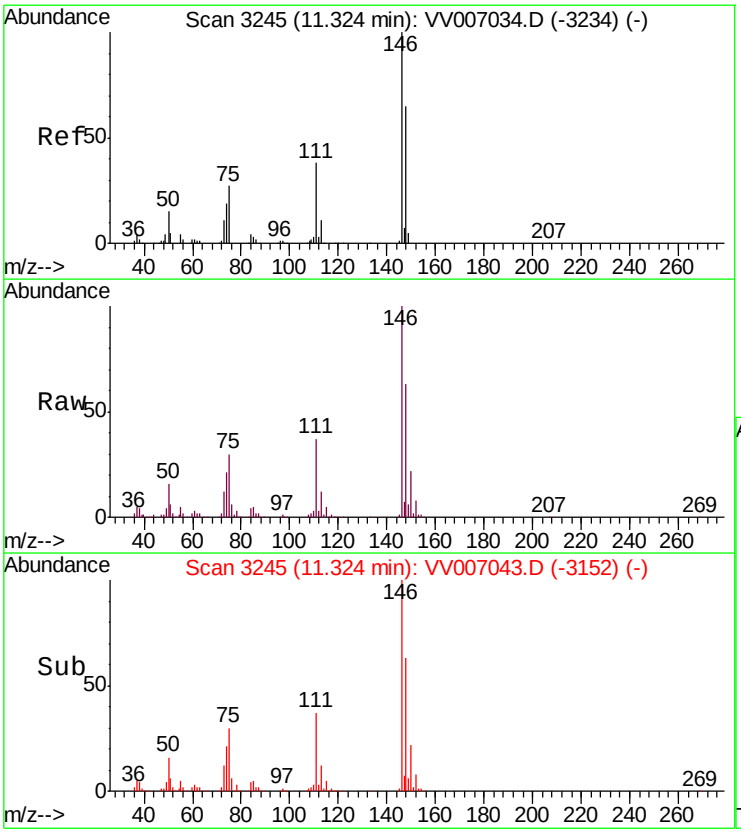

#62
1,3-Dichlorobenzene
Concen: 5.029 ug/L
RT: 11.23 min Scan# 3216
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion:146 Resp: 169211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.5 | 28.1 | 52.3 |
| 148 | 63.9 | 44.2 | 82.2 |

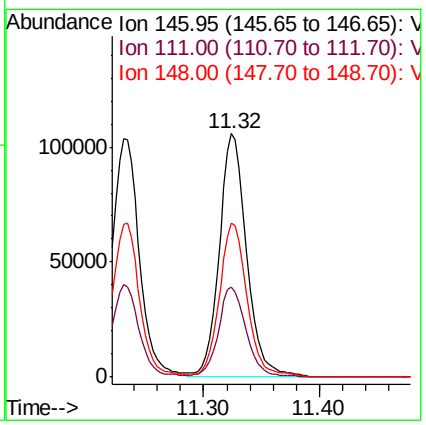


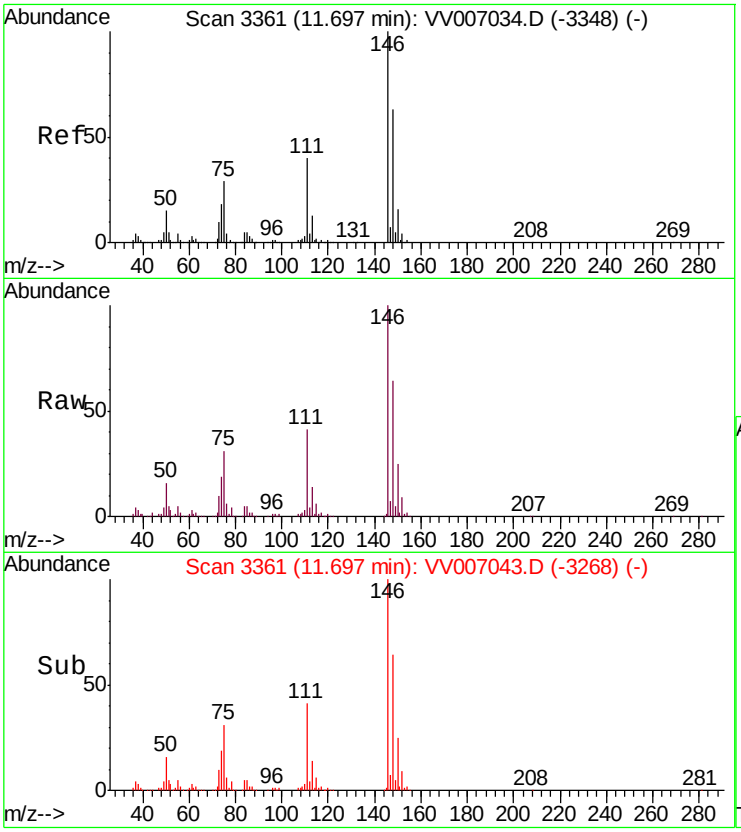




#63
1,4-Dichlorobenzene
Concen: 5.050 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:146 Resp: 174134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.0 | 26.6 | 49.4 |
| 148 | 63.0 | 46.4 | 86.2 |



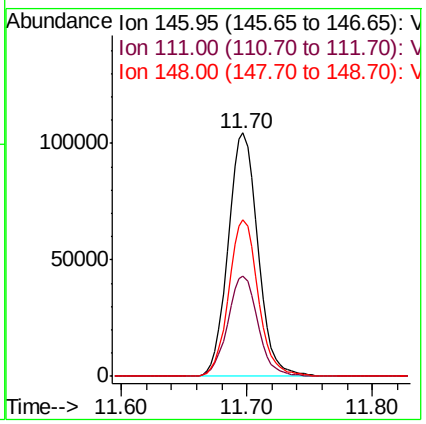


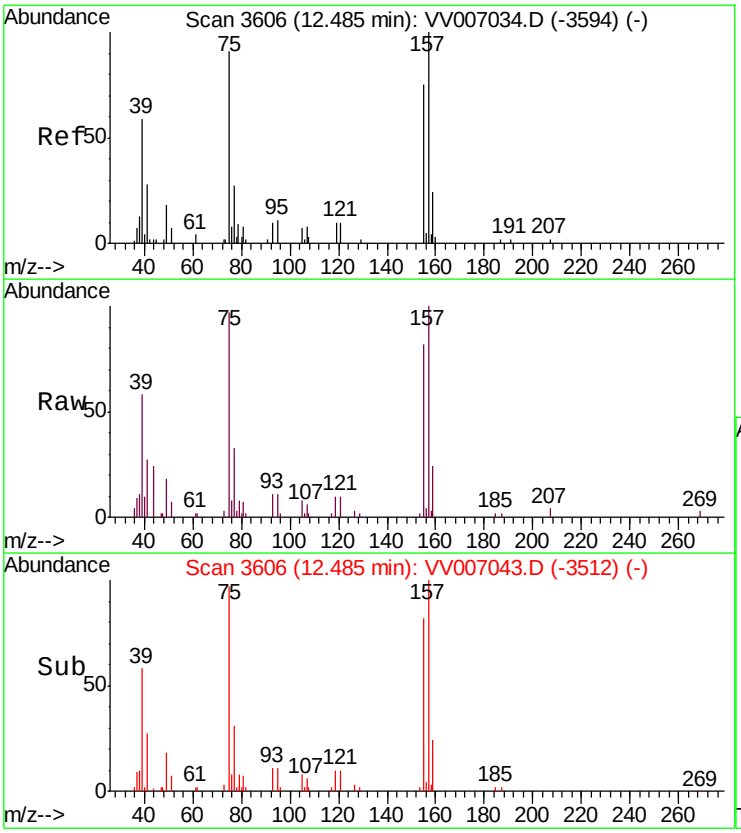

#65
1,2-Dichlorobenzene
Concen: 5.206 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion:146 Resp: 172268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 33.0 | 49.6 |
| 148 | 64.3 | 50.6 | 75.8 |

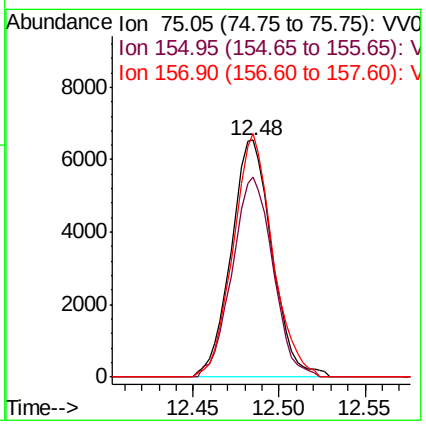


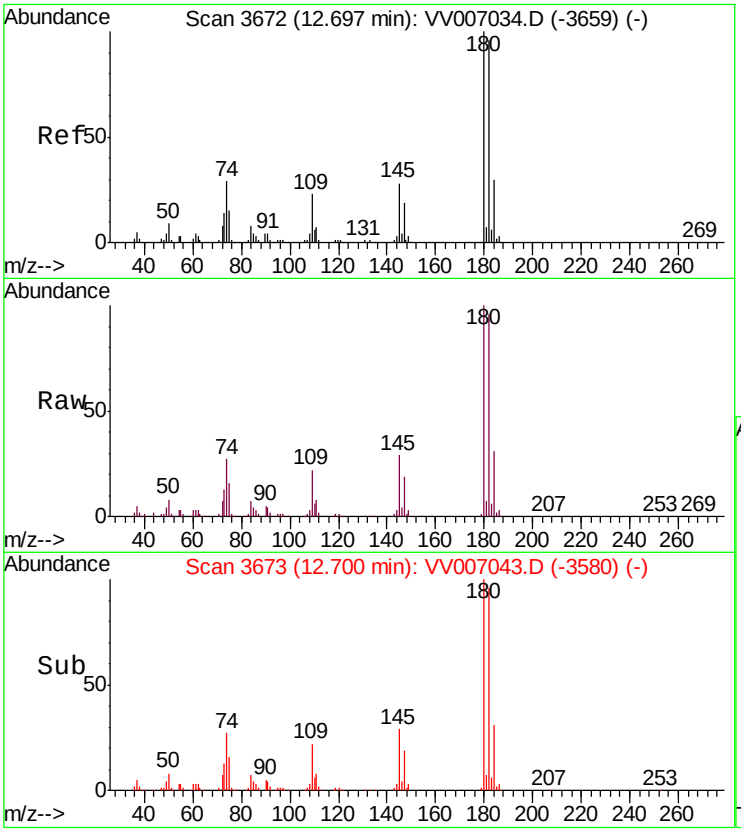




#66
1,2-Dibromo-3-chloropropane
Concen: 4.596 ug/L
RT: 12.48 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion: 75 Resp: 10798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.3 | 62.6 | 94.0 |
| 157 | 102.7 | 77.0 | 115.6 |



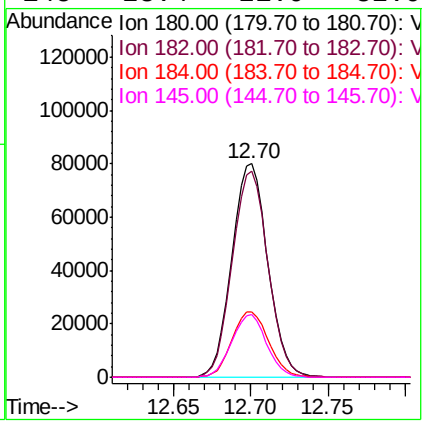


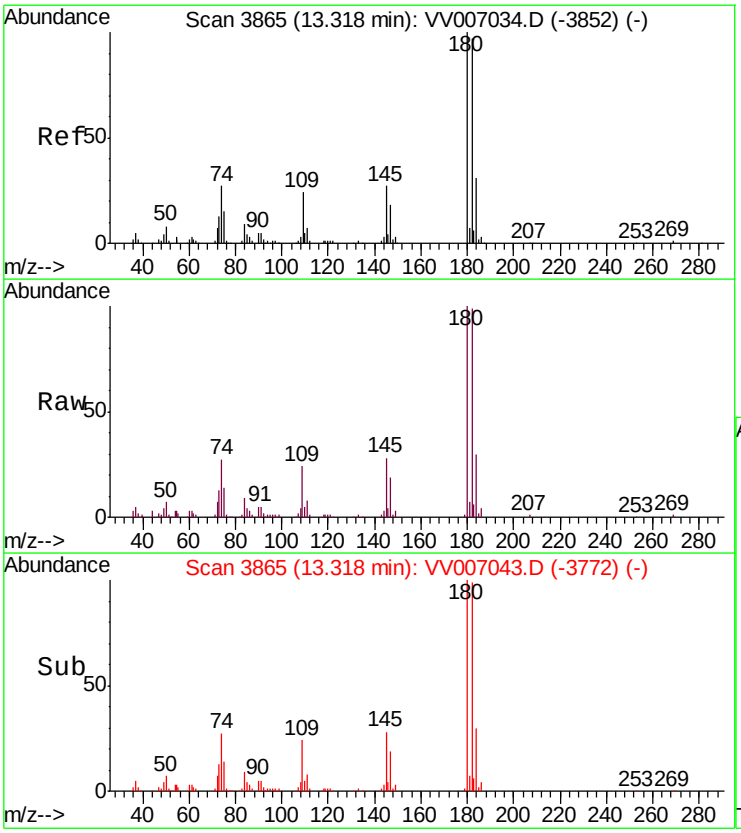

#67
1,3,5-Trichlorobenzene
Concen: 5.077 ug/L
RT: 12.70 min Scan# 3673
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion:180 Resp: 129276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 75.1 | 112.7 |
| 184 | 31.3 | 23.8 | 35.8 |
| 145 | 28.4 | 21.9 | 32.9 |

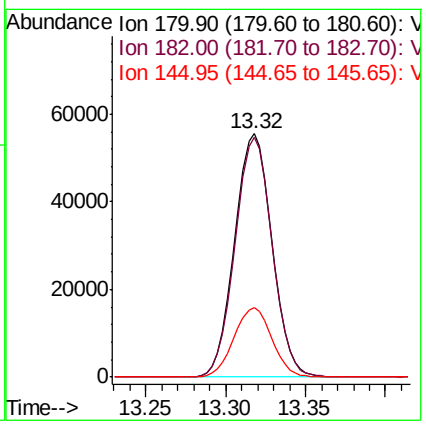


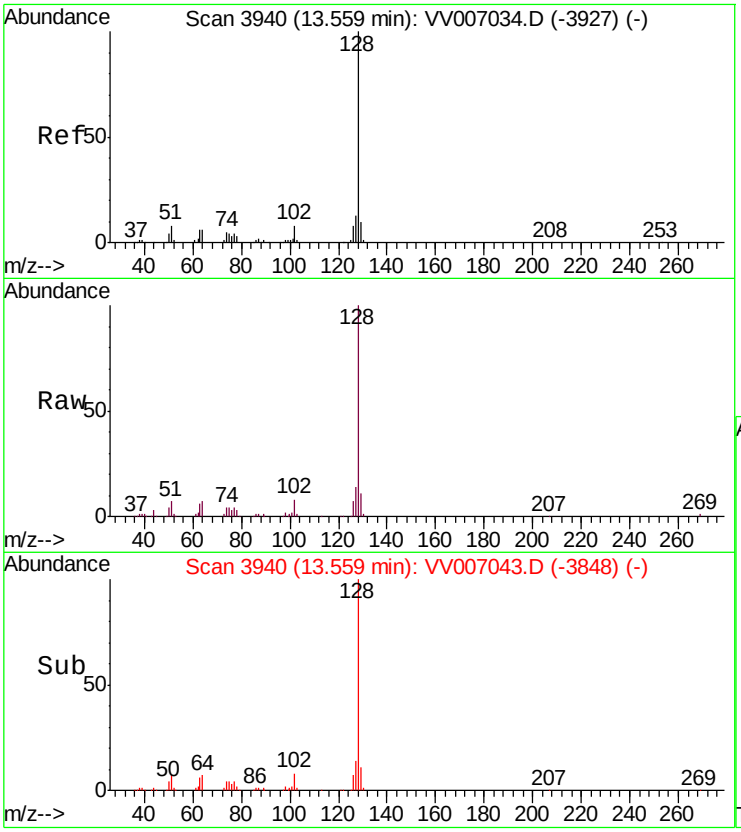




#68
1,2,4-trichlorobenzene
Concen: 4.730 ug/L
RT: 13.32 min Scan# 3865
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:180 Resp: 88394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.7 | 76.5 | 114.7 |
| 145 | 28.8 | 23.6 | 35.4 |



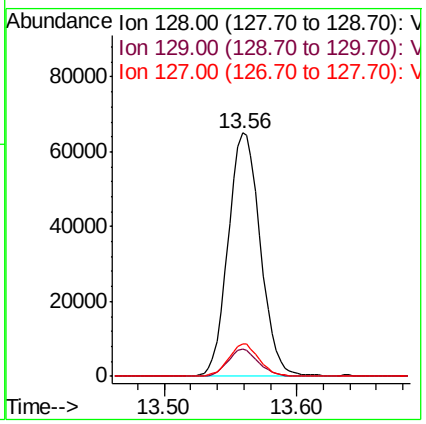


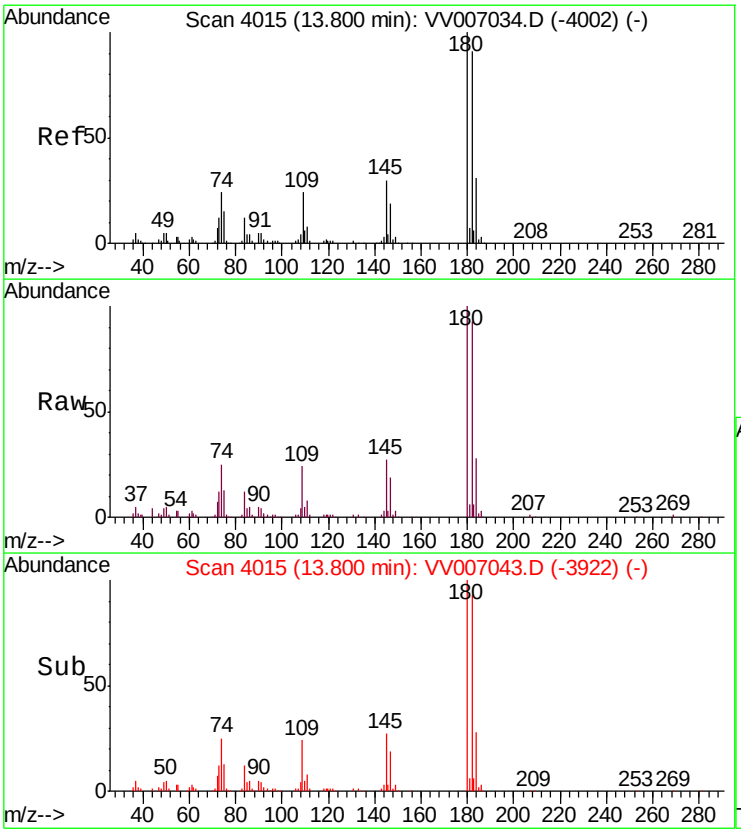

#69
Naphthalene
Concen: 4.084 ug/L
RT: 13.56 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00562

Tgt Ion:128 Resp: 109595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.5 | 12.7 |
| 127 | 12.7 | 10.6 | 16.0 |




#70
1,2,3-Trichlorobenzene
Concen: 4.834 ug/L
RT: 13.80 min Scan# 4015
Delta R.T. 0.00 min
Lab File: VV007043.D
Acq: 16 Aug 2018 15:07

Tgt Ion:180 Resp: 87083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 76.1 | 114.1 |
| 145 | 29.9 | 24.6 | 36.8 |