Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
Data File : VV007032.D
Acq On : 16 Aug 2018 00:33
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Quant Time: Aug 16 02:50:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 16 02:48:57 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 211354 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 206452 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 95012 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 93468 | 6.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 137.00%# | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 74789 | 6.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 129.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 162274 | 6.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 126.80%# | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 248718 | 63.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 126.78% | | | |
| 24) Chloroform-d | 4.41 | 84 | 181606 | 6.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 131.20%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 89003 | 6.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 127.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 351578 | 6.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 132.60%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 114387 | 6.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 126.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 321155 | 7.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 142.40%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 38123 | 6.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 120.80% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 158900 | 61.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 123.20% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 88311 | 6.25 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 125.00%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 102762 | 6.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 124.40%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 108826 | 5.287 | ug/L | 100 |
| 3) Chloromethane | 1.25 | 50 | 101489 | 5.124 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 107968 | 5.274 | ug/L | 98 |
| 6) Bromomethane | 1.54 | 94 | 25225 | 5.677 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 67288 | 5.417 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 142092 | 5.454 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 83648 | 5.351 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 81959 | 5.400 | ug/L | 95 |
| 13) Acetone | 2.21 | 43 | 125857 | 62.298 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 249450 | 4.979 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 35106 | 6.174 | ug/L | 91 |
| 16) Methylene chloride | 2.54 | 84 | 89528 | 4.892 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 201154 | 5.528 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 88864 | 5.468 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 159347 | 5.431 | ug/L | 97 |
| 21) 2-Butanone | 4.05 | 43 | 265396 | 60.505 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 96806 | 5.249 | ug/L | 100 |

Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
Data File : VV007032.D
Acq On : 16 Aug 2018 00:33
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Quant Time: Aug 16 02:50:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 16 02:48:57 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 44000 | 5.854 | ug/L | | 91 |
| 25) Chloroform | 4.43 | 83 | 177556 | 5.531 | ug/L | | 97 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 111659 | 5.578 | ug/L | | 96 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 153196 | 5.565 | ug/L | | 98 |
| 30) Cyclohexane | 4.73 | 56 | 137476 | 4.798 | ug/L | | 98 |
| 31) Carbon tetrachloride | 4.87 | 117 | 125515 | 5.437 | ug/L | | 98 |
| 33) Benzene | 5.15 | 78 | 394408 | 5.514 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 91459 | 5.333 | ug/L | | 95 |
| 35) Methylcyclohexane | 6.18 | 83 | 137102 | 4.980 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 102811 | 5.251 | ug/L | | 98 |
| 38) Bromodichloromethane | 6.56 | 83 | 121064 | 5.442 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 117955 | 4.987 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 601046 | 56.834 | ug/L | | 99 |
| 42) Toluene | 7.44 | 91 | 393364 | 5.723 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 104344 | 5.375 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 71160 | 5.587 | ug/L | | 94 |
| 47) Tetrachloroethene | 8.02 | 164 | 75539 | 5.432 | ug/L | | 97 |
| 48) 2-Hexanone | 8.20 | 43 | 464705 | 62.303 | ug/L | | 99 |
| 49) Dibromochloromethane | 8.30 | 129 | 78411 | 5.869 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 61711 | 5.736 | ug/L | # | 92 |
| 51) Chlorobenzene | 8.93 | 112 | 236696 | 5.403 | ug/L | | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 364173 | 5.306 | ug/L | | 99 |
| 53) m,p-xylene | 9.19 | 106 | 137279 | 5.366 | ug/L | | 98 |
| 54) o-xylene | 9.59 | 106 | 127608 | 5.264 | ug/L | | 100 |
| 55) Styrene | 9.61 | 104 | 227038 | 5.556 | ug/L | | 98 |
| 56) Isopropylbenzene | 9.98 | 105 | 340435 | 5.353 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 88220 | 5.699 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 63593 | 5.803 | ug/L | | 98 |
| 61) Bromoform | 9.78 | 173 | 43211 | 6.005 | ug/L | | 98 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 164082 | 5.337 | ug/L | | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 168643 | 5.352 | ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 168170 | 5.561 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 11508 | 5.360 | ug/L | | 95 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 121852 | 5.237 | ug/L | | 98 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 85531 | 5.008 | ug/L | | 99 |
| 69) Naphthalene | 13.56 | 128 | 111872 | 4.562 | ug/L | | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 85511 | 5.195 | ug/L | | 98 |

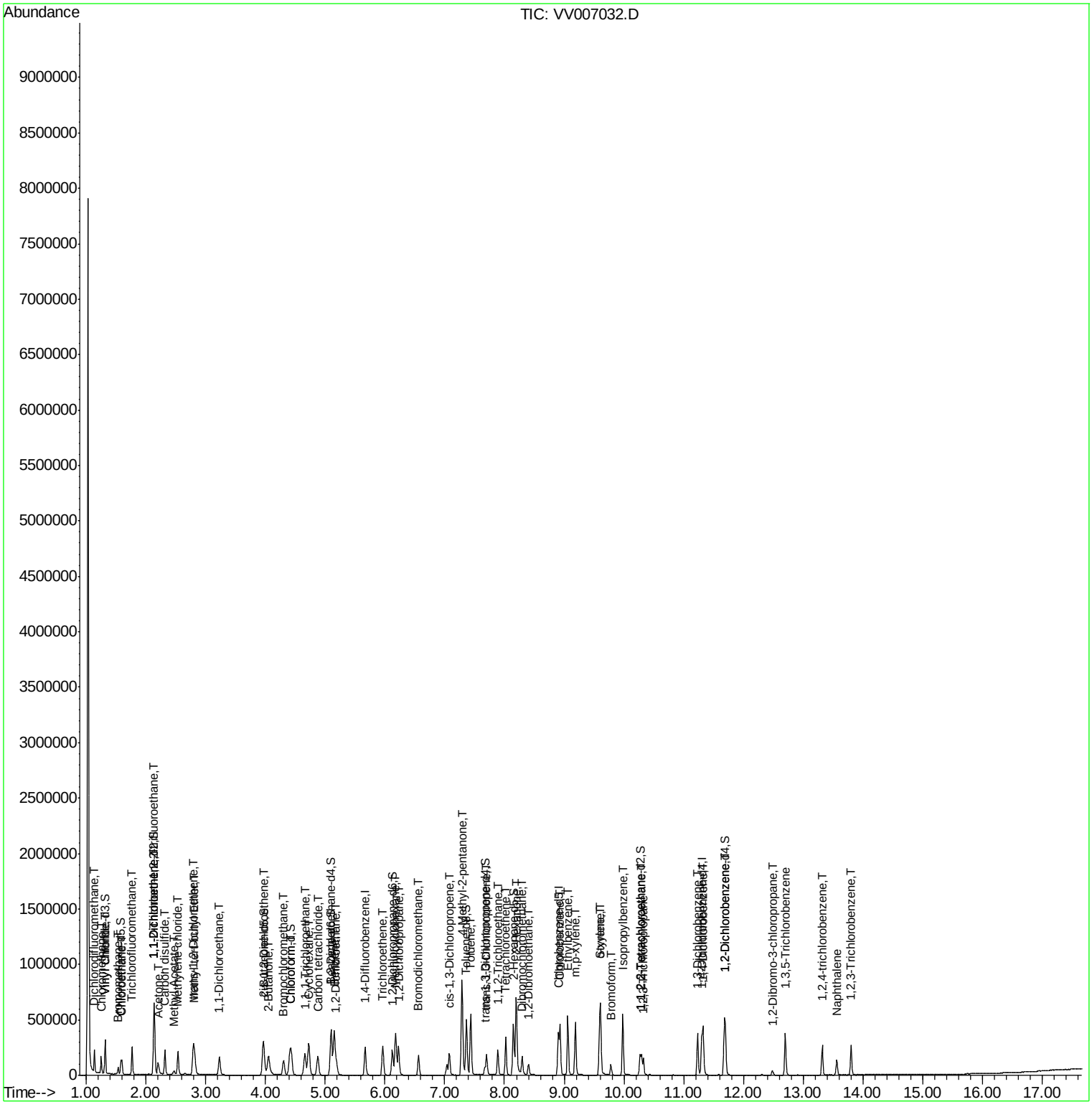
(#) = qualifier out of range (m) = manual integration (+) = signals summed

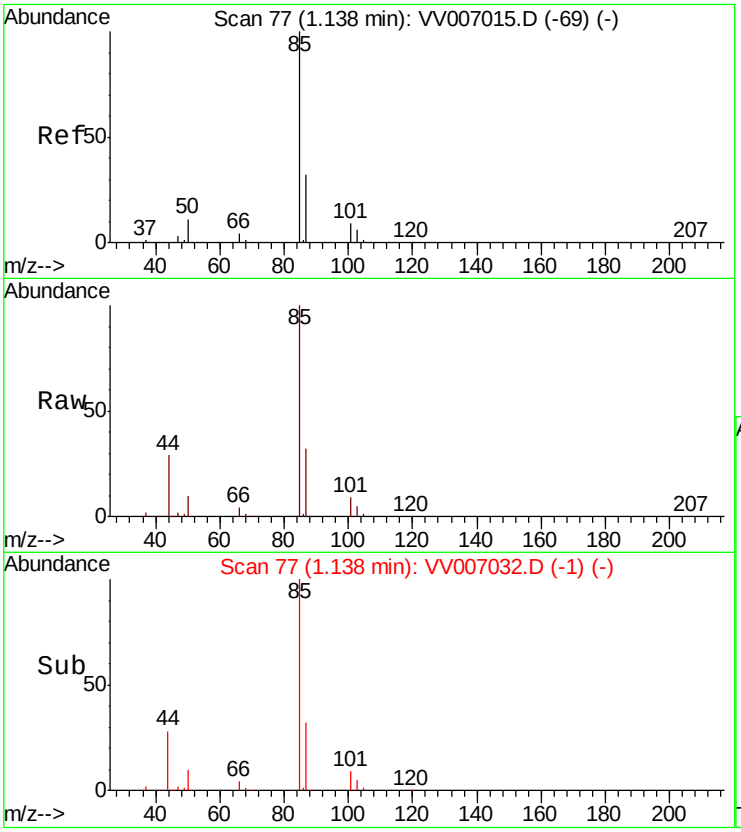
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
Data File : VV007032.D
Acq On : 16 Aug 2018 00:33
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Quant Time: Aug 16 02:50:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 16 02:48:57 2018
Response via : Initial Calibration



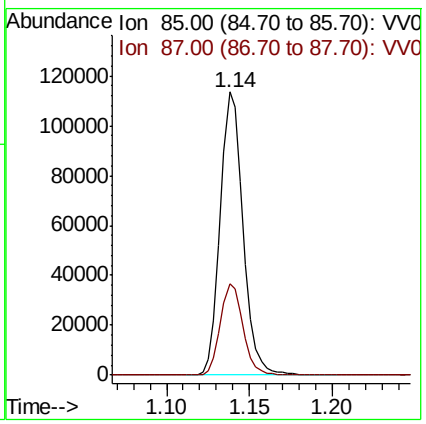


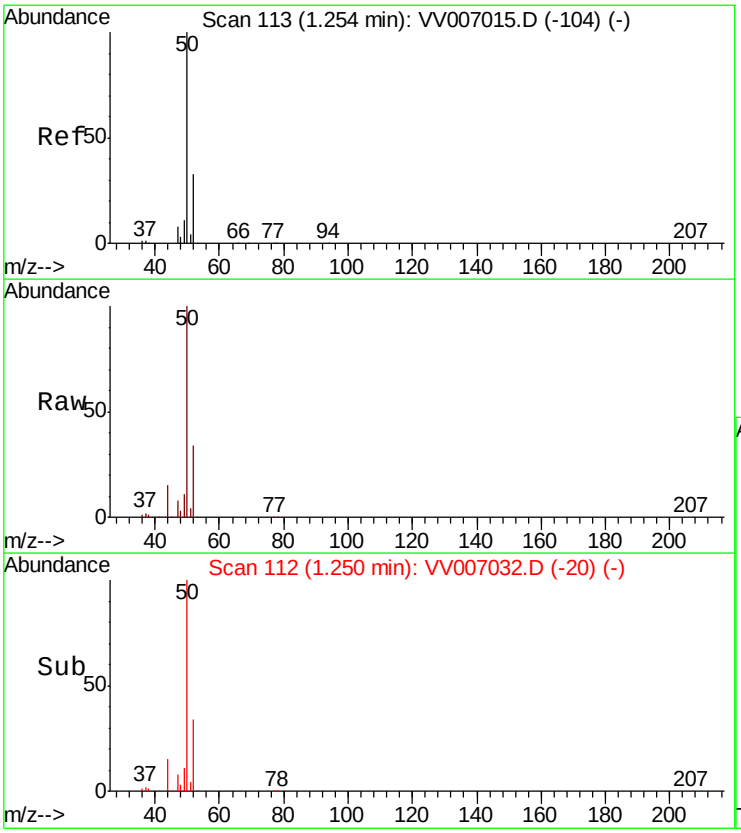

#2
Dichlorodifluoromethane
Concen: 5.287 ug/L
RT: 1.14 min Scan# 77
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 85 Resp: 108826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 25.4 | 38.2 |

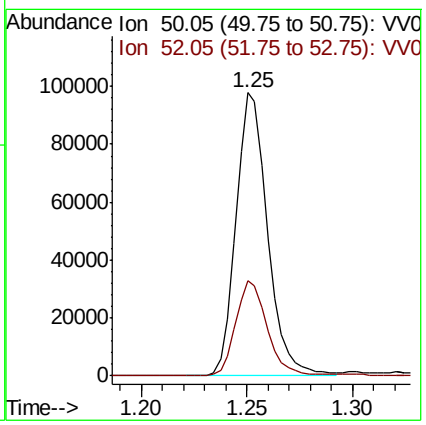


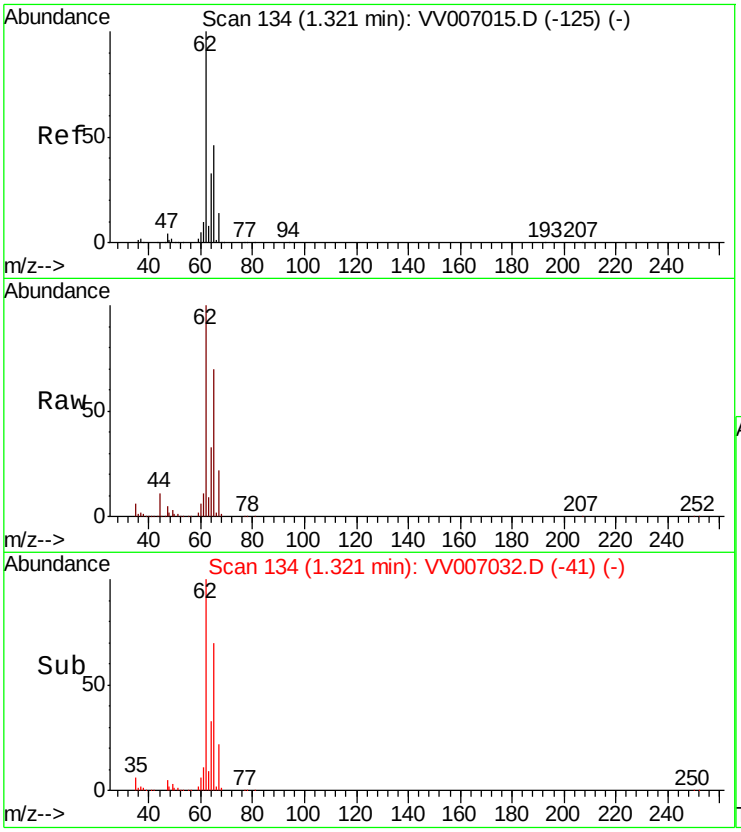




#3
Chloromethane
Concen: 5.124 ug/L
RT: 1.25 min Scan# 112
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 50 Resp: 101489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 23.6 | 43.8 |



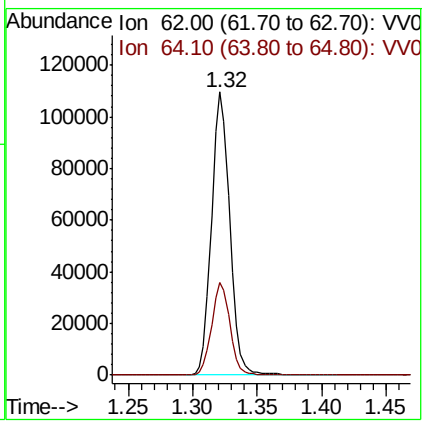


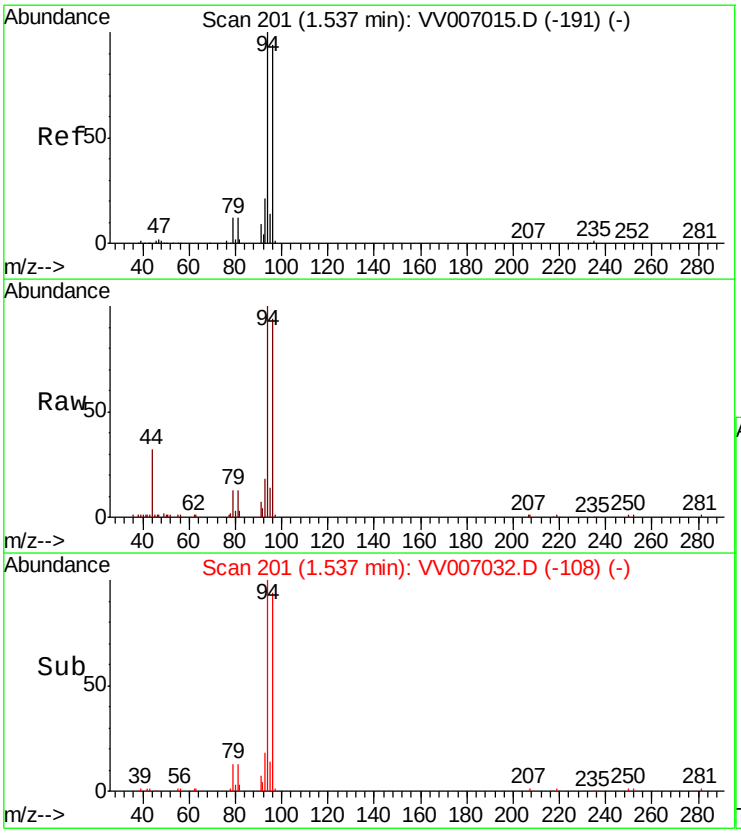

#5
Vinyl chloride
Concen: 5.274 ug/L
RT: 1.32 min Scan# 134
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 62 Resp: 107968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 23.5 | 43.7 |

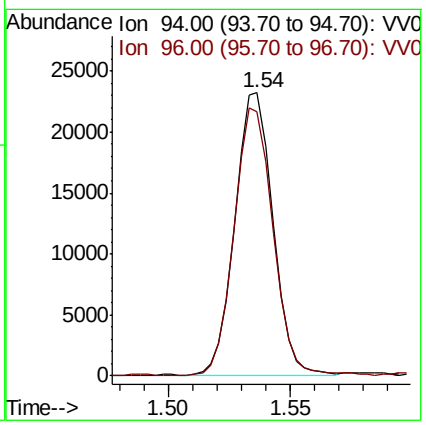


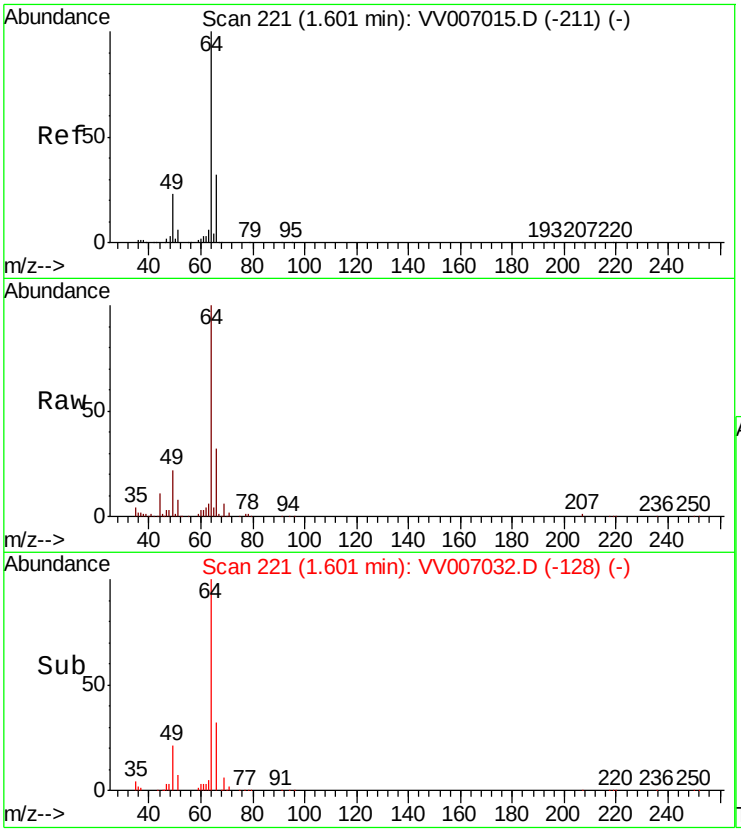




#6
Bromomethane
Concen: 5.677 ug/L
RT: 1.54 min Scan# 201
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 94 Resp: 25225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 65.0 | 120.6 |



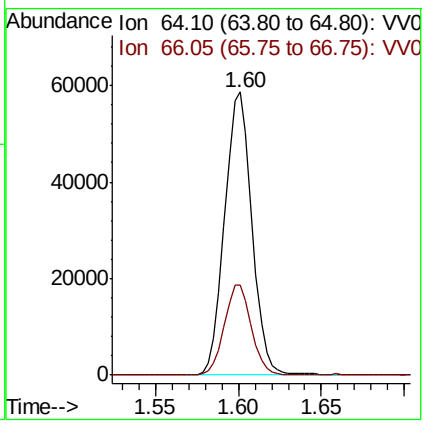


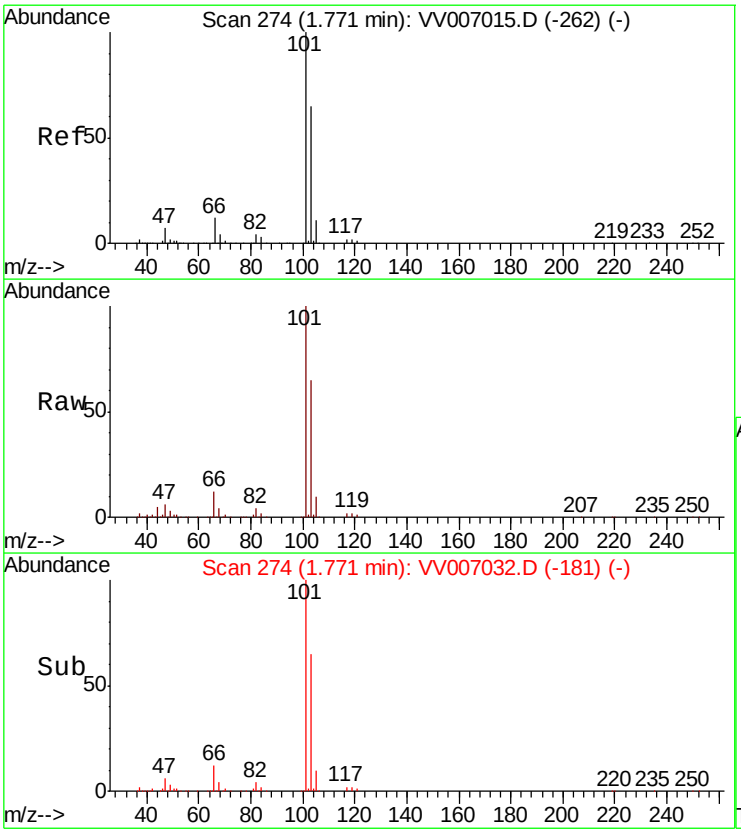

#8
Chloroethane
Concen: 5.417 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 64 Resp: 67288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 22.6 | 42.0 |

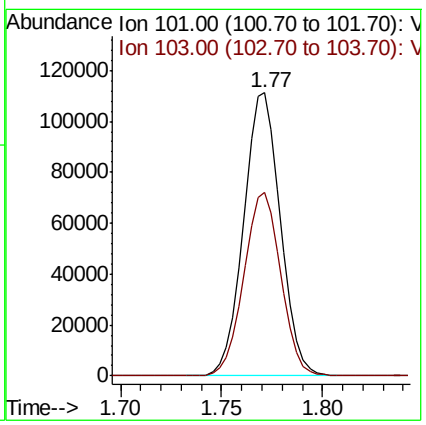


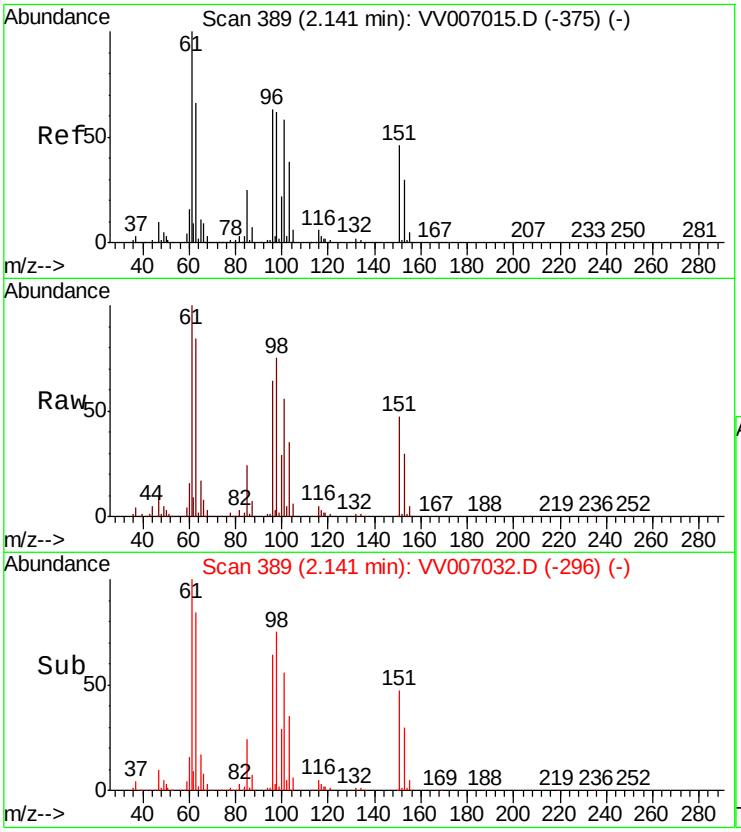




#9
Trichlorofluoromethane
Concen: 5.454 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:101 Resp: 142092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 52.7 | 79.1 |



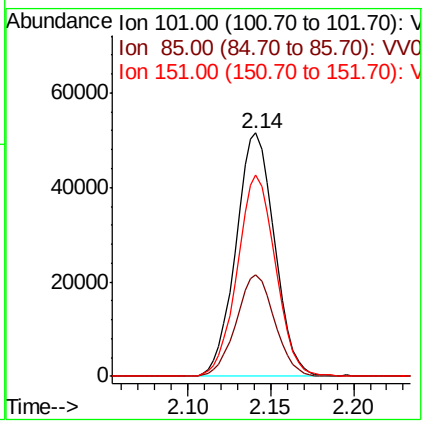


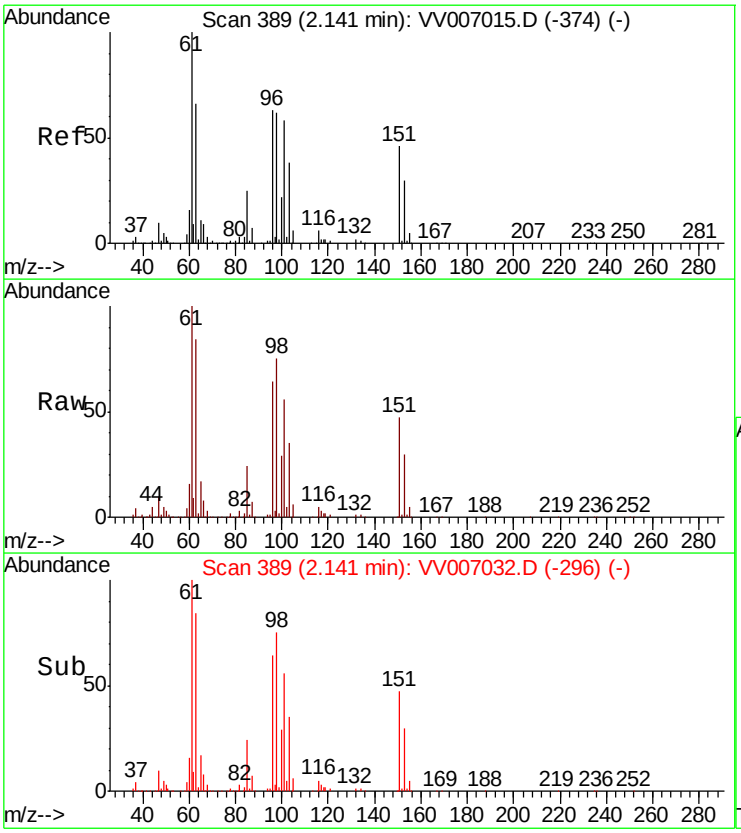

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.351 ug/L
RT: 2.14 min Scan# 389
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:101 Resp: 83648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.3 | 33.9 | 50.9 |
| 151 | 82.0 | 64.1 | 96.1 |

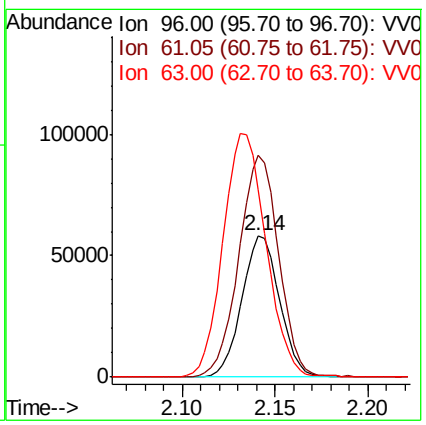


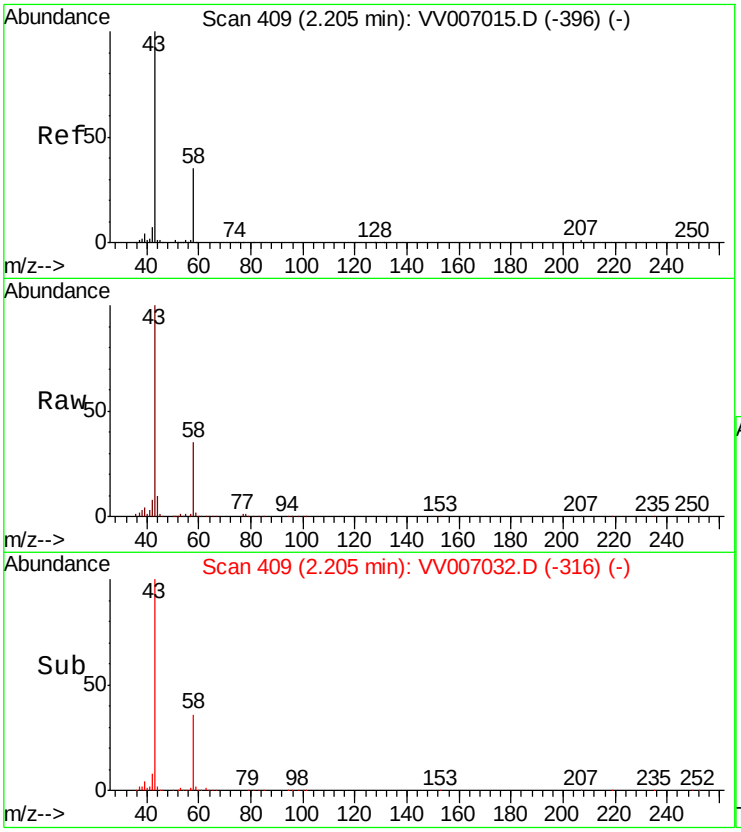




#12
1,1-Dichloroethene
Concen: 5.400 ug/L
RT: 2.14 min Scan# 389
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 96 Resp: 81959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 111.6 | 207.4 |
| 63 | 132.3 | 84.9 | 157.7 |



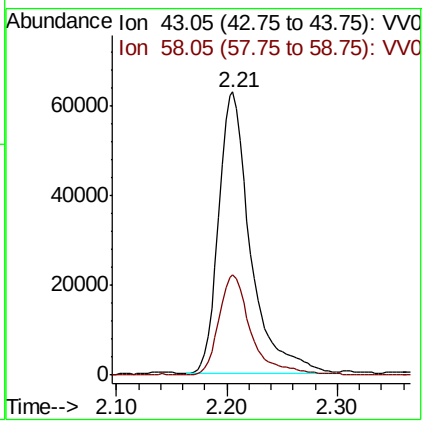


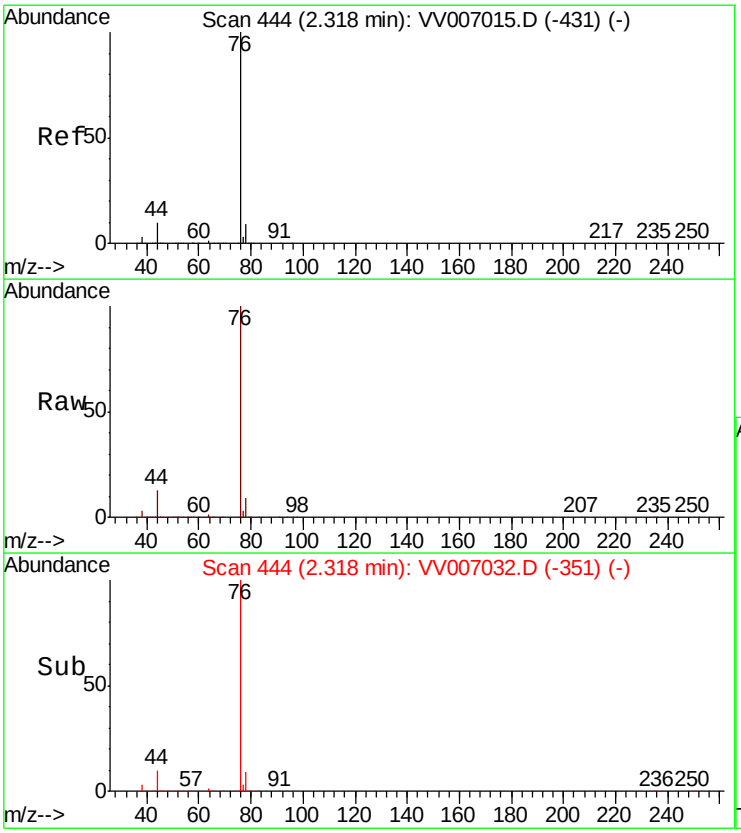

#13
Acetone
Concen: 62.298 ug/L
RT: 2.21 min Scan# 409
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 43 Resp: 125857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.1 | 0.0 | 71.4 |

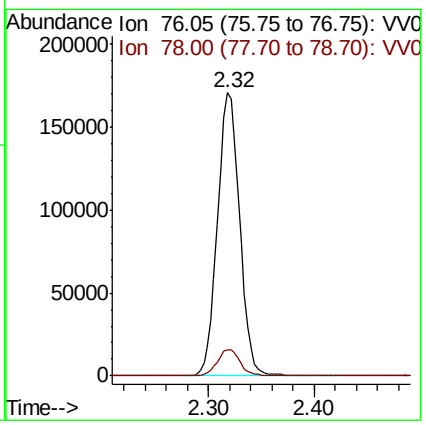


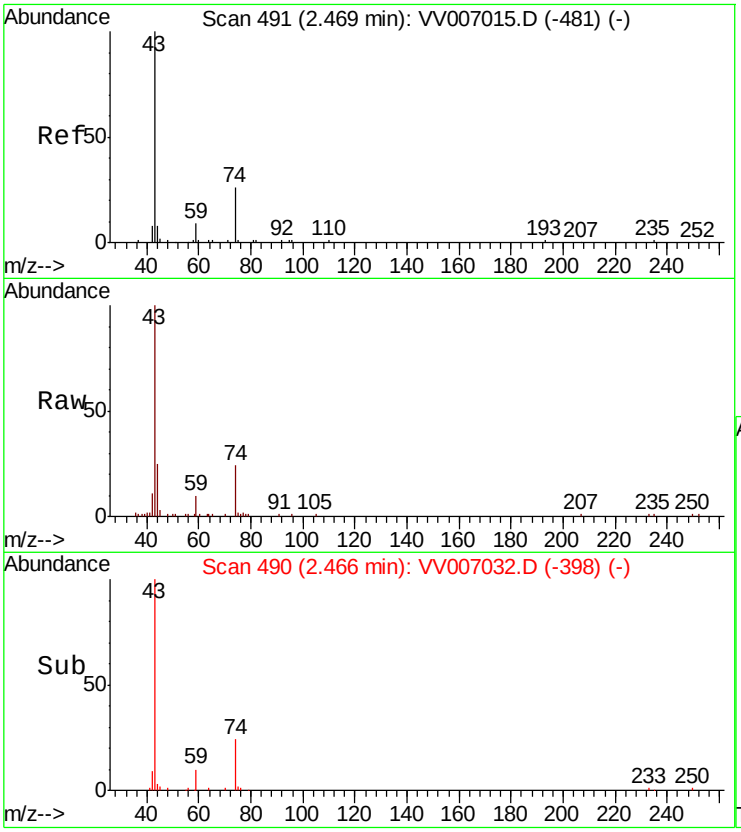




#14
Carbon disulfide
Concen: 4.979 ug/L
RT: 2.32 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 76 Resp: 249450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.6 | 11.4 |



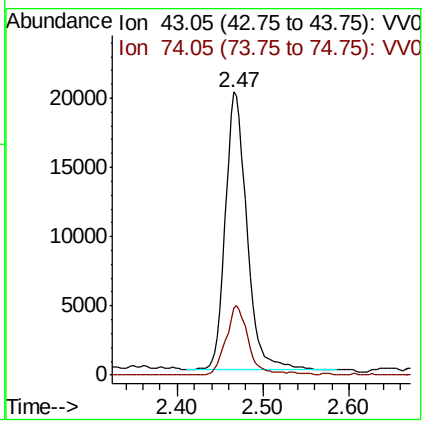


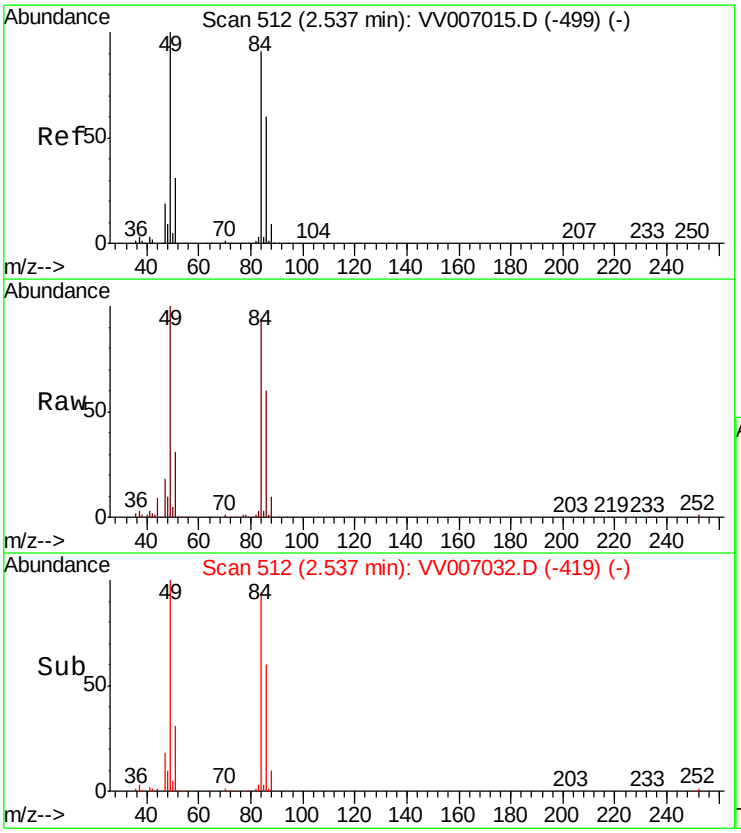

#15
Methyl Acetate
Concen: 6.174 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 43 Resp: 35106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.8 | 24.6 | 37.0 |

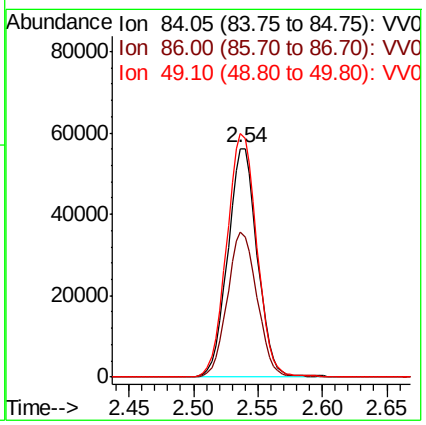


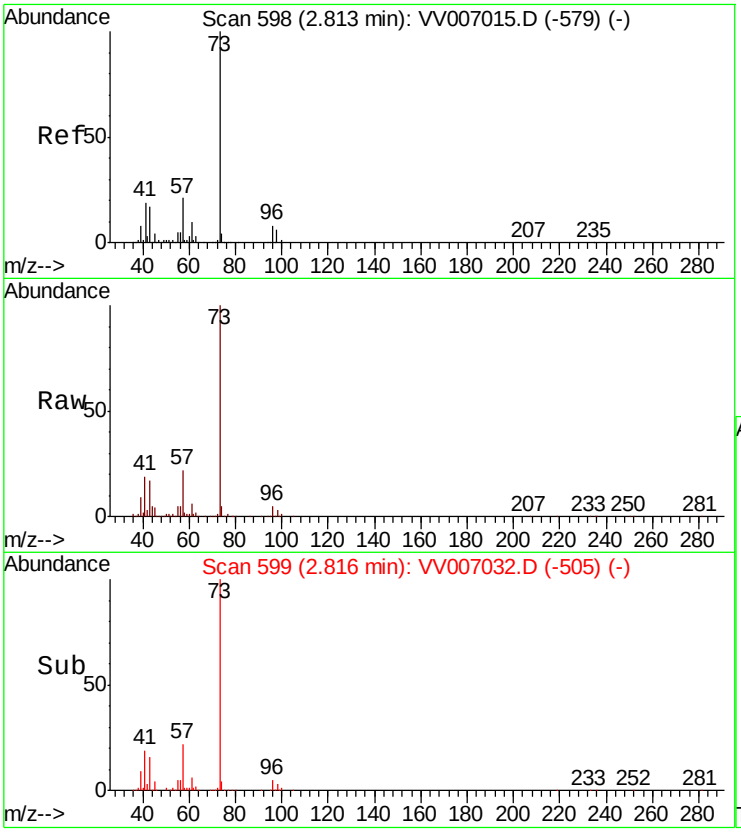




#16
Methylene chloride
Concen: 4.892 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 84 Resp: 89528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.6 | 45.7 | 84.9 |
| 49 | 106.6 | 78.8 | 146.4 |



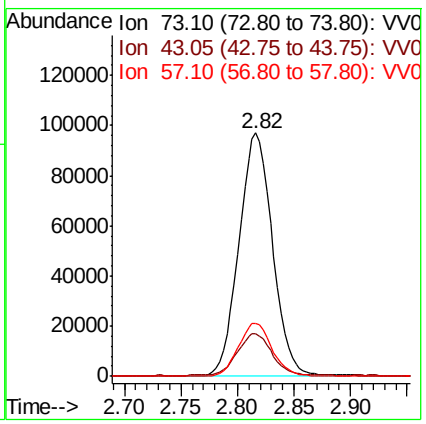


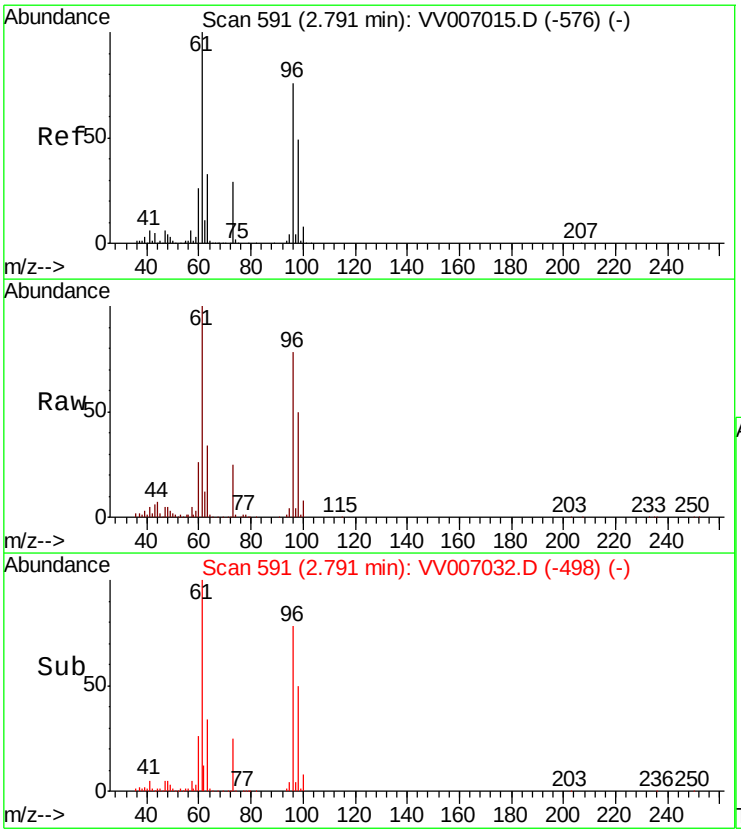

#17
Methyl tert-butyl Ether
Concen: 5.528 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 73 Resp: 201154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.5 | 14.4 | 21.6 |
| 57 | 22.0 | 17.9 | 26.9 |

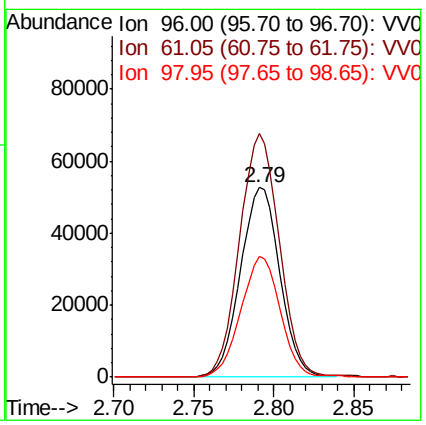


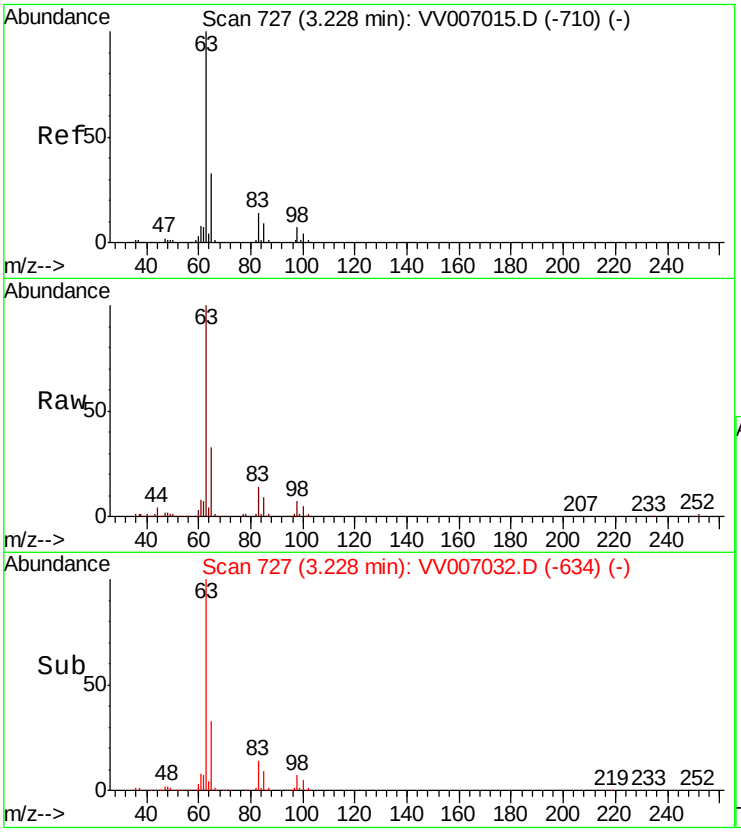




#18
trans-1,2-Dichloroethene
Concen: 5.468 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 96 Resp: 88864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.7 | 91.1 | 169.3 |
| 98 | 63.7 | 43.5 | 80.9 |



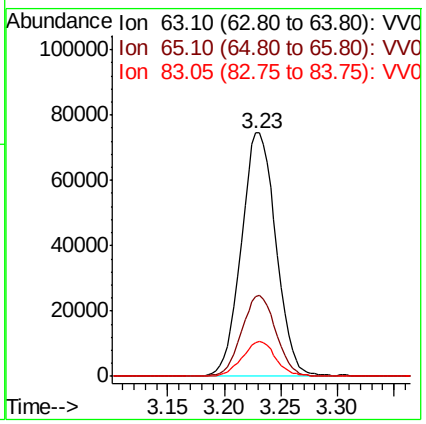


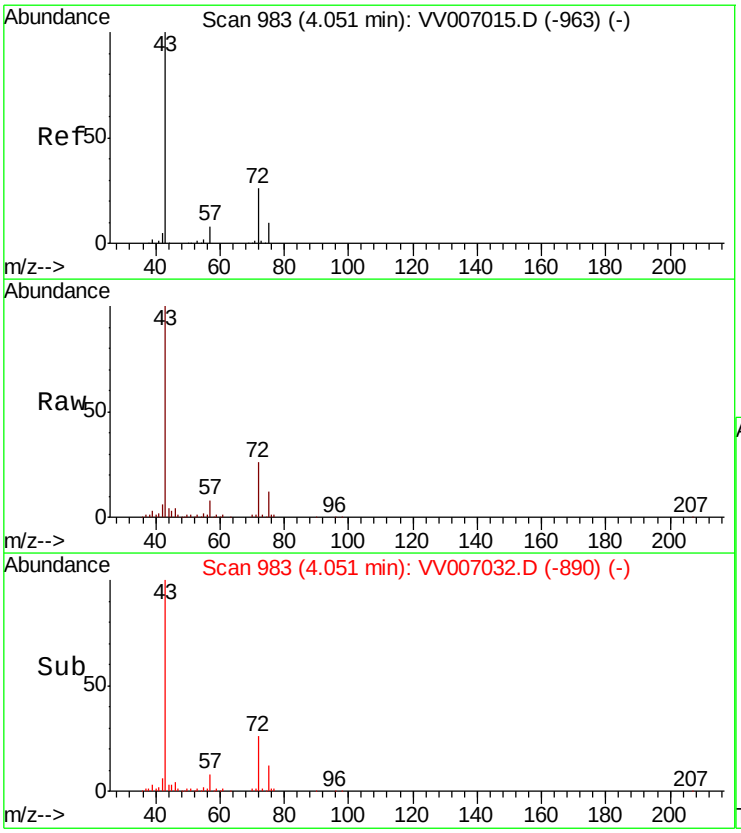

#19
1,1-Dichloroethane
Concen: 5.431 ug/L
RT: 3.23 min Scan# 727
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 63 Resp: 159347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.8 | 21.7 | 40.3 |
| 83 | 14.0 | 10.0 | 18.6 |

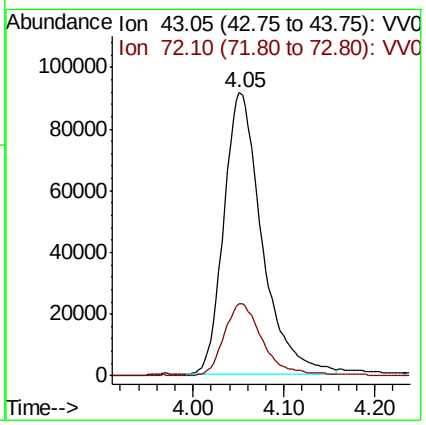


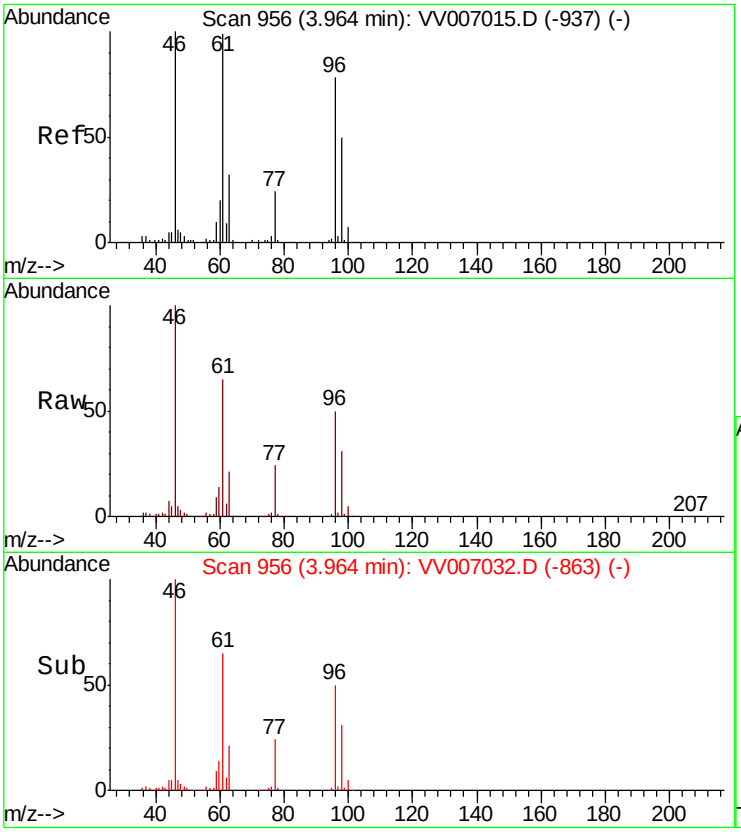




#21
2-Butanone
Concen: 60.505 ug/L
RT: 4.05 min Scan# 983
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 43 Resp: 265396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.7 | 12.4 | 37.2 |



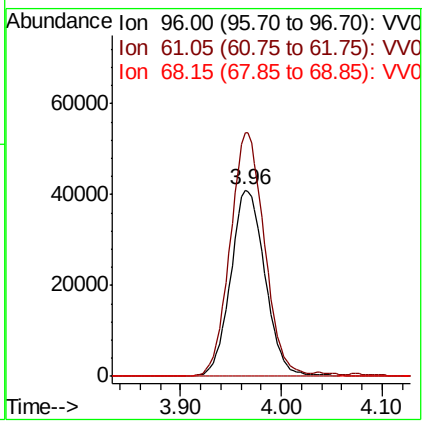


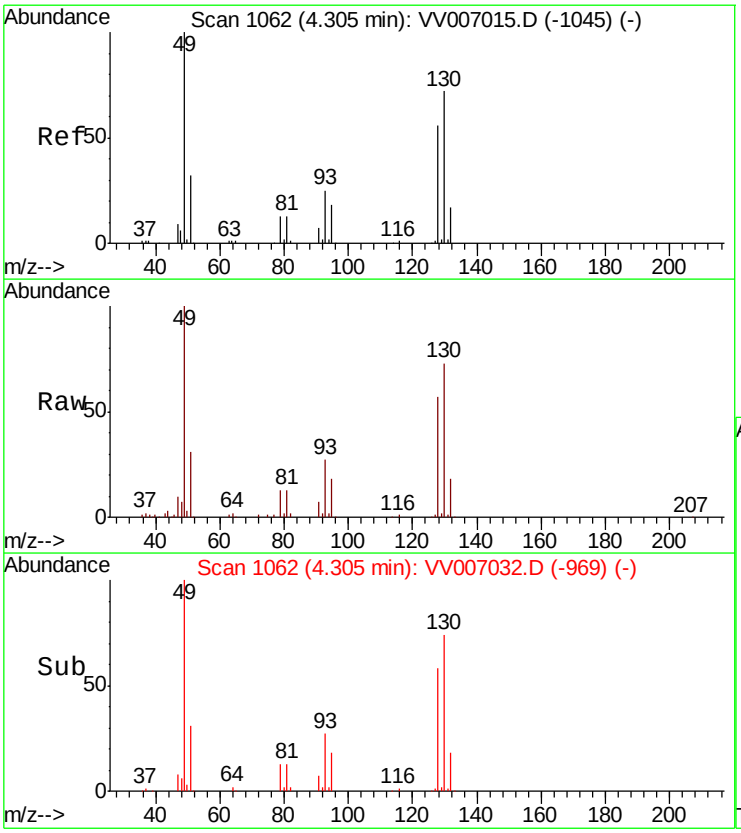

#22
cis-1,2-Dichloroethene
Concen: 5.249 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 96 Resp: 96806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.7 | 91.1 | 169.1 |
| 68 | 0.0 | 0.0 | 0.0 |

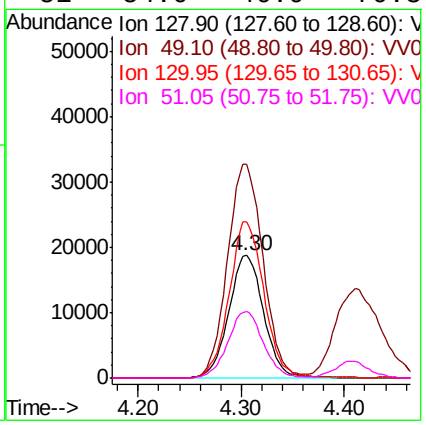


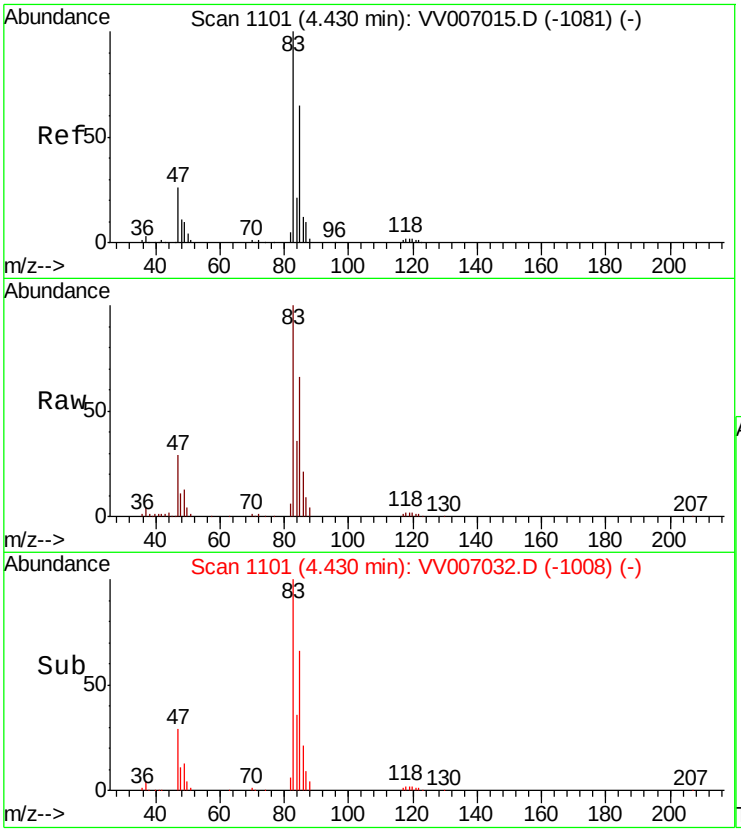




#23
Bromochloromethane
Concen: 5.854 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:128 Resp: 44000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 174.2 | 138.6 | 257.4 |
| 130 | 127.7 | 90.0 | 167.2 |
| 51 | 54.0 | 46.9 | 70.3 |



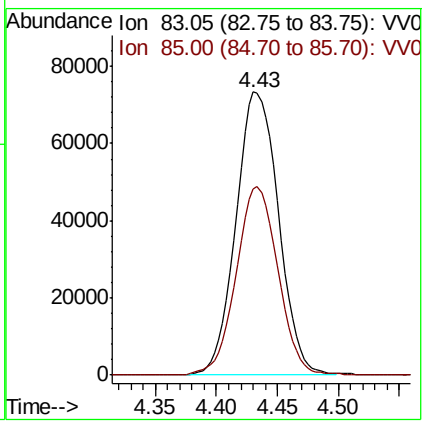


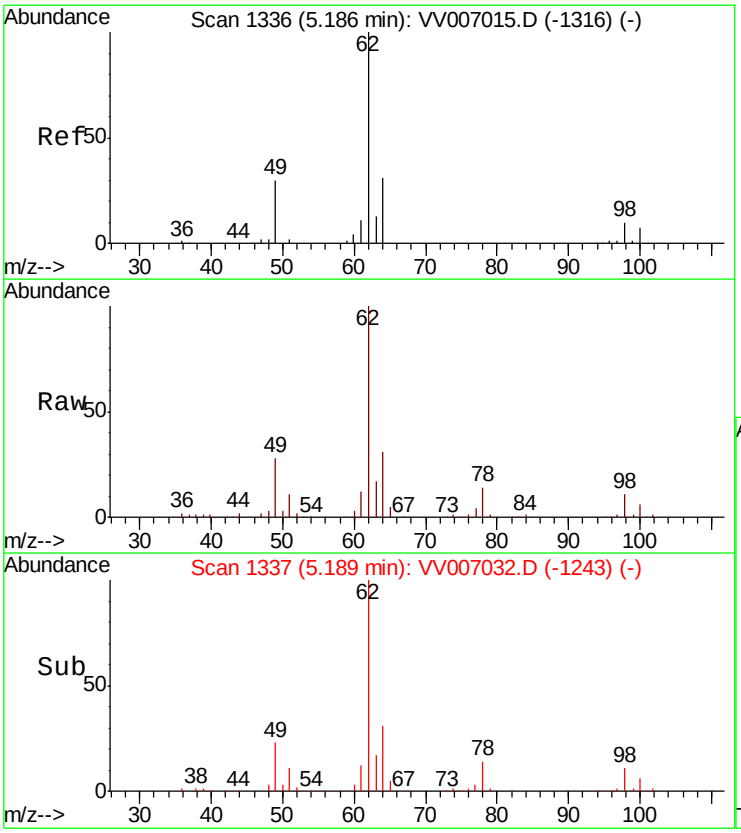

#25
Chloroform
Concen: 5.531 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 83 Resp: 177556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 44.7 | 82.9 |

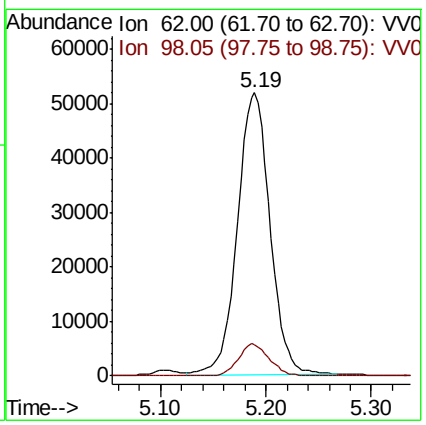


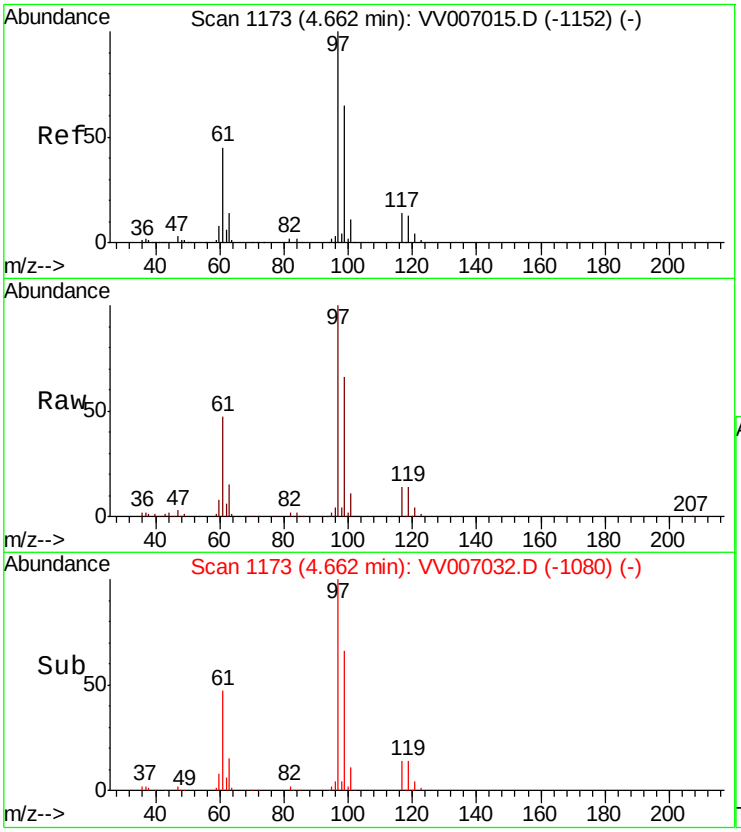




#27
1,2-Dichloroethane
Concen: 5.578 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 62 Resp: 111659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.9 | 7.6 | 11.4 |



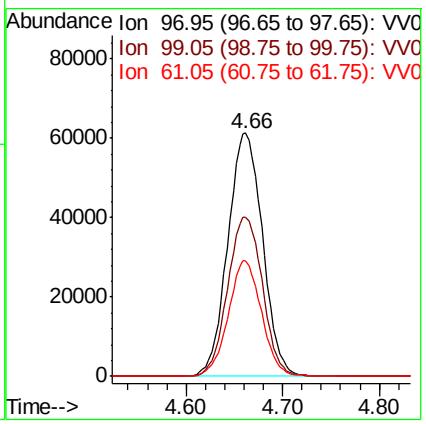


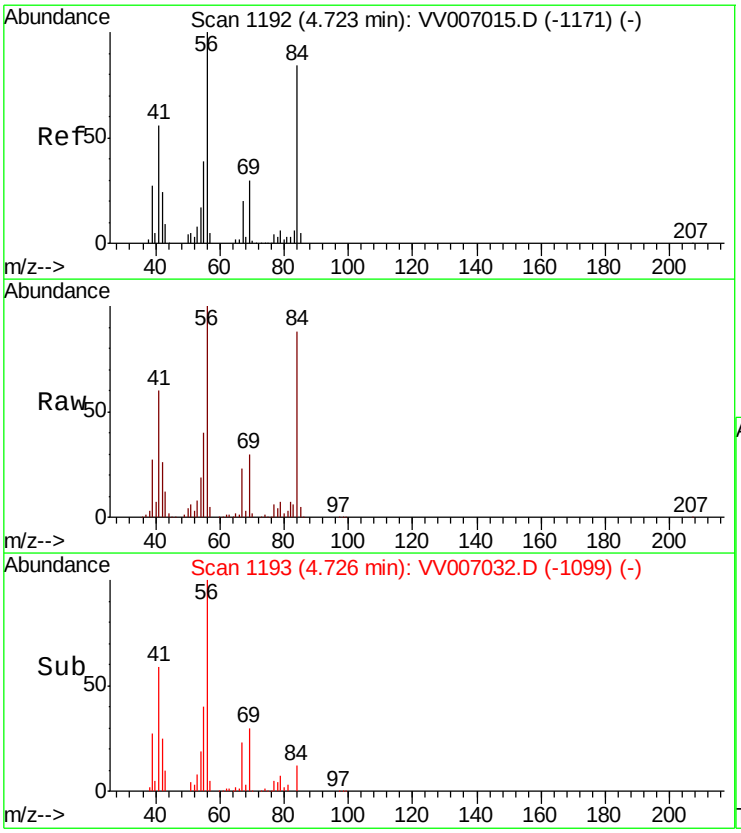

#29
1,1,1-Trichloroethane
Concen: 5.565 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 97 Resp: 153196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.6 | 51.0 | 76.6 |
| 61 | 45.4 | 36.6 | 54.8 |

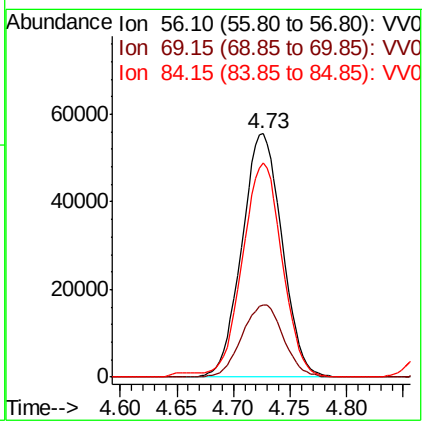


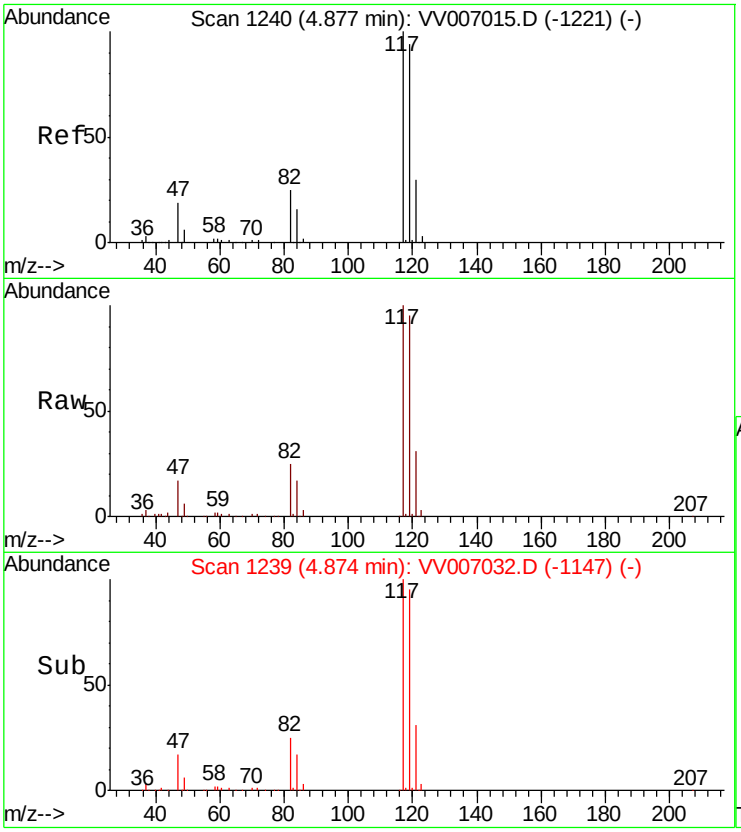




#30
Cyclohexane
Concen: 4.798 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 56 Resp: 137476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.7 | 23.8 | 35.6 |
| 84 | 86.5 | 67.9 | 101.9 |



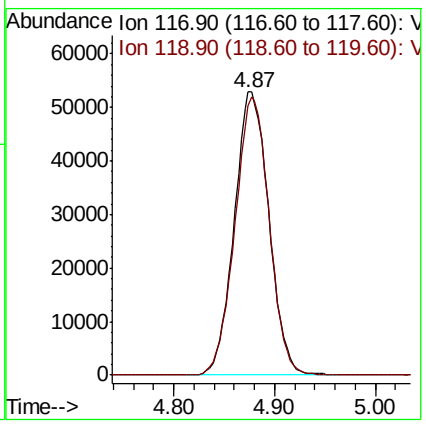


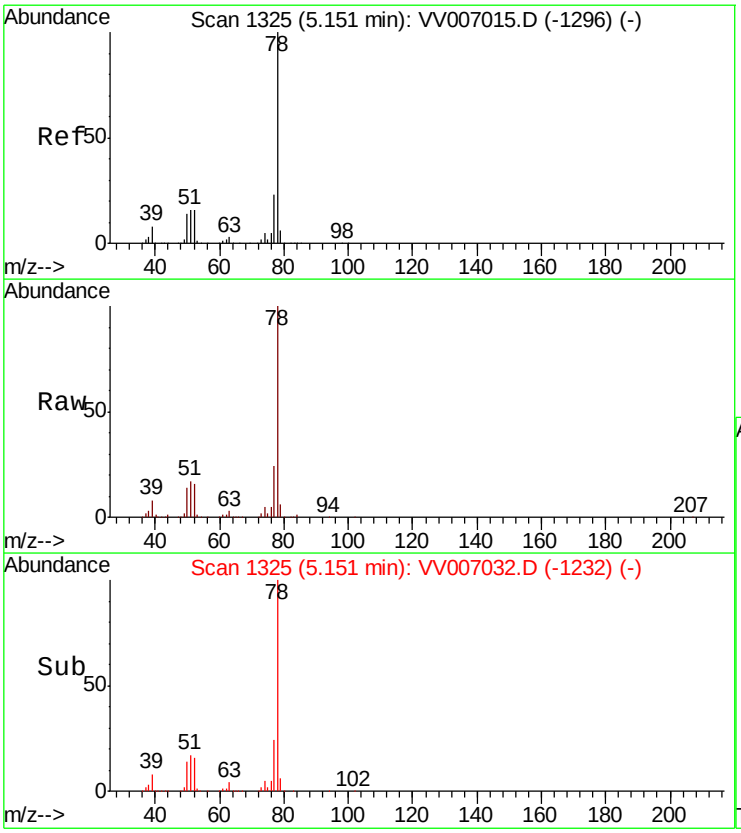

#31
Carbon tetrachloride
Concen: 5.437 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:117 Resp: 125515

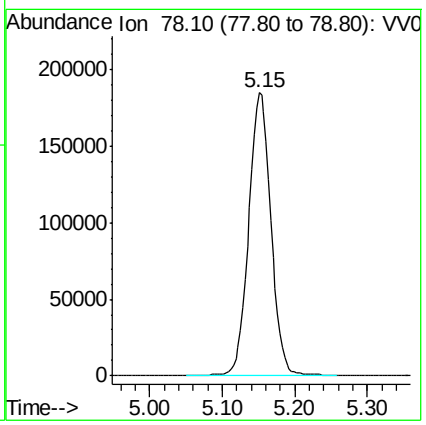
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 76.2 | 114.4 |

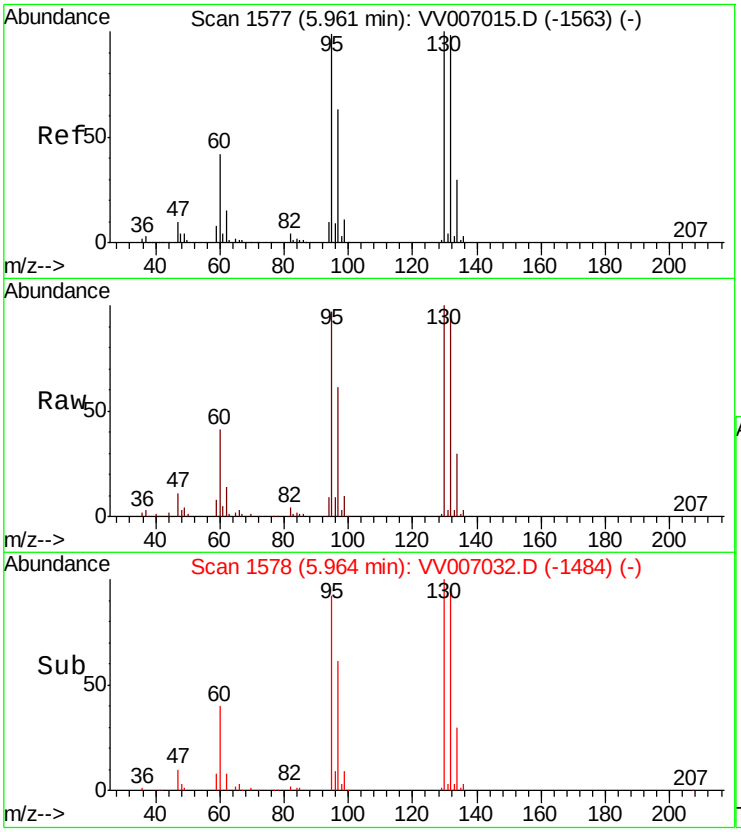



#33
Benzene
Concen: 5.514 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 78 Resp: 394408



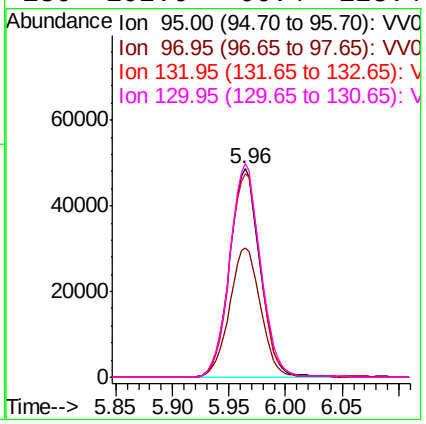


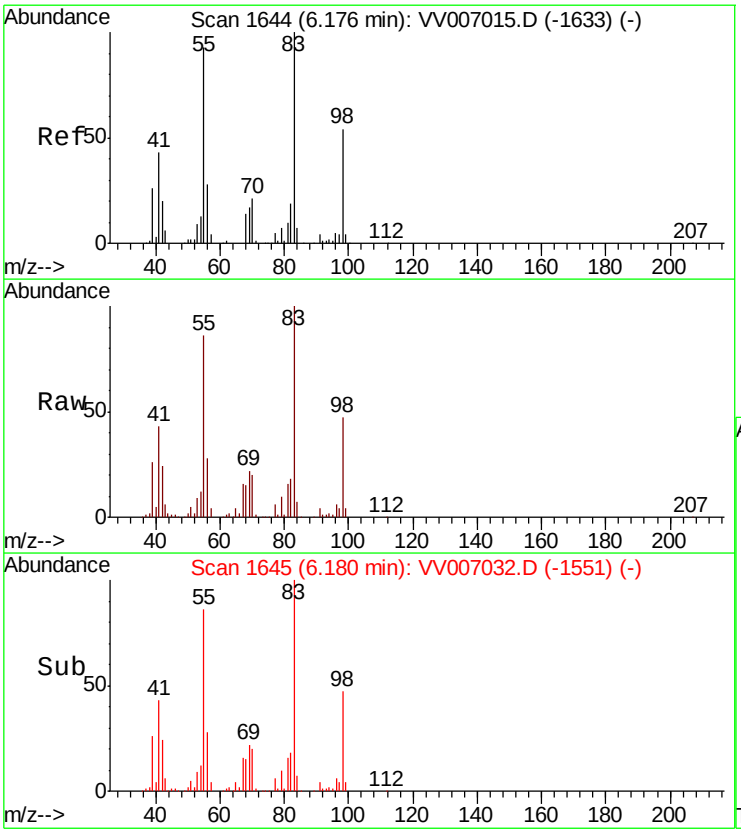

#34
Trichloroethene
Concen: 5.333 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 95 Resp: 91459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 62.3 | 44.8 | 83.2 |
| 132 | 98.0 | 65.5 | 121.6 |
| 130 | 102.6 | 66.4 | 123.4 |

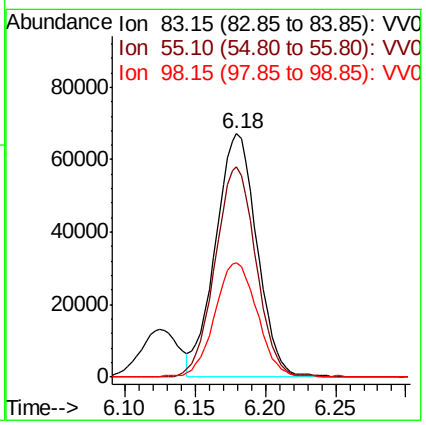


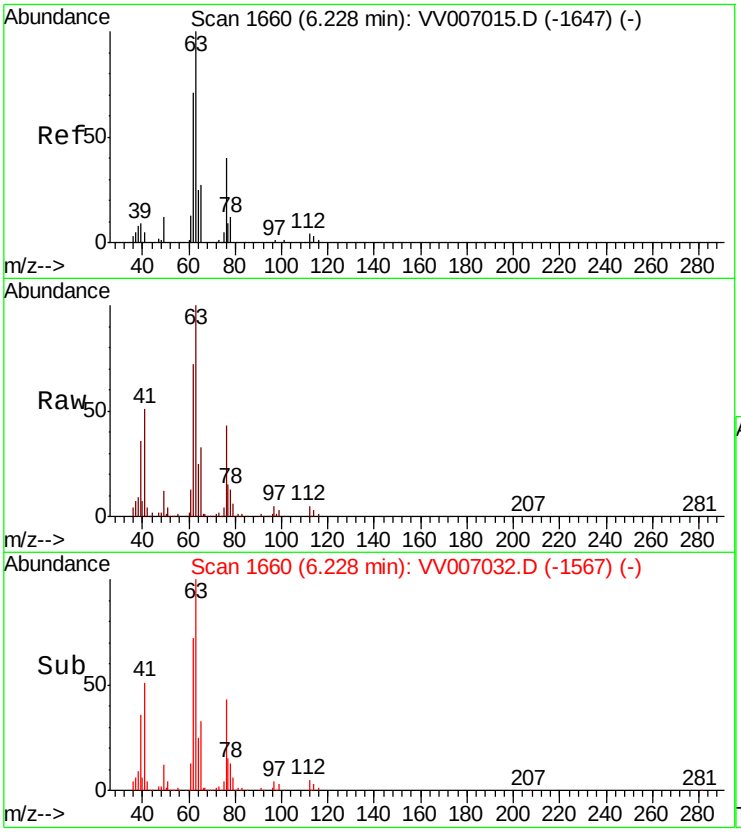




#35
Methylcyclohexane
Concen: 4.980 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 83 Resp: 137102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.7 | 68.1 | 102.1 |
| 98 | 48.5 | 37.9 | 56.9 |



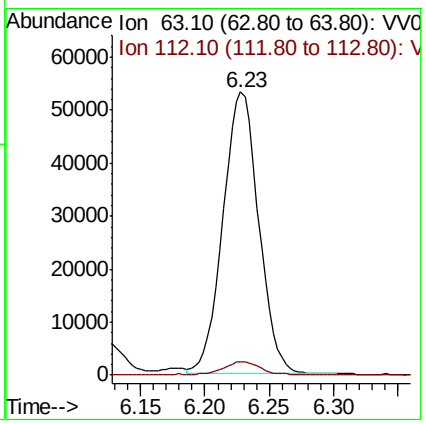


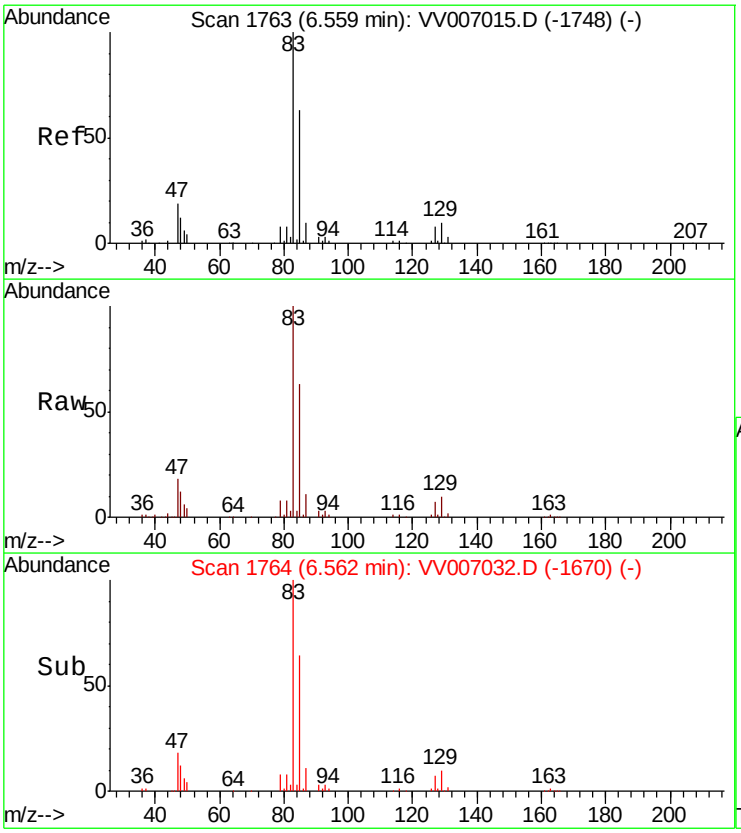

#37
1,2-Dichloropropane
Concen: 5.251 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 63 Resp: 102811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.0 | 3.5 | 5.3 |

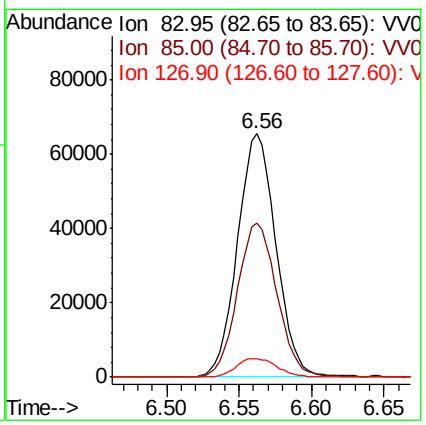


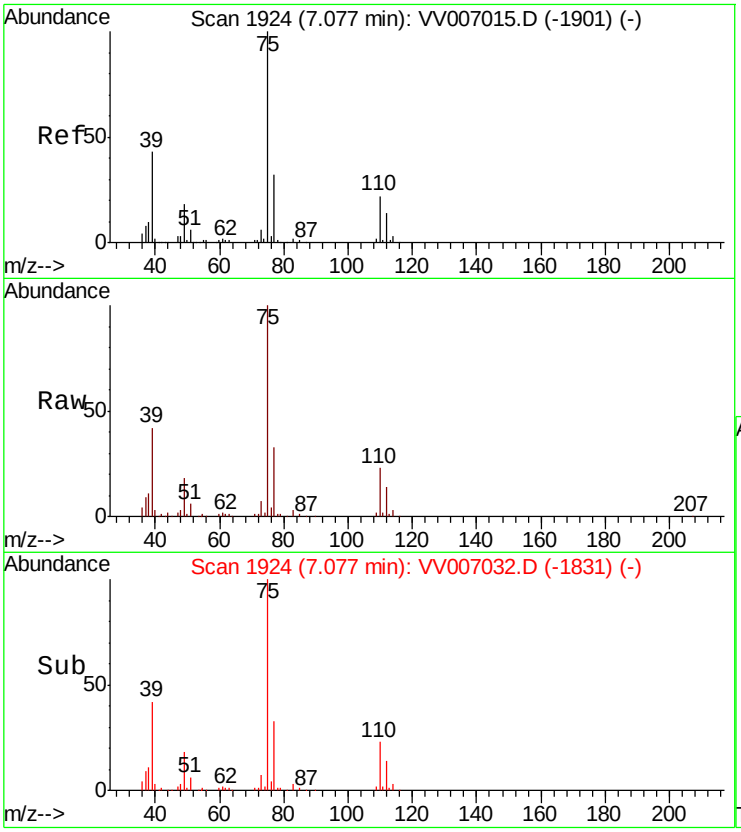




#38
Bromodichloromethane
Concen: 5.442 ug/L
RT: 6.56 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 83 Resp: 121064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 43.8 | 81.4 |
| 127 | 7.5 | 6.6 | 10.0 |



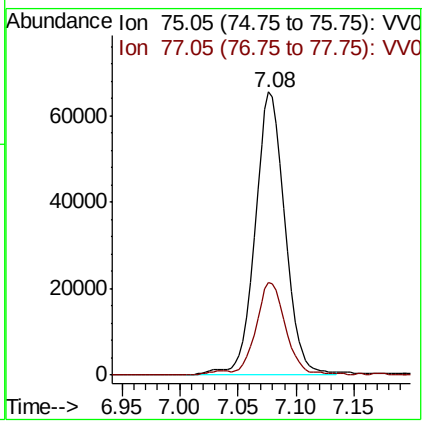


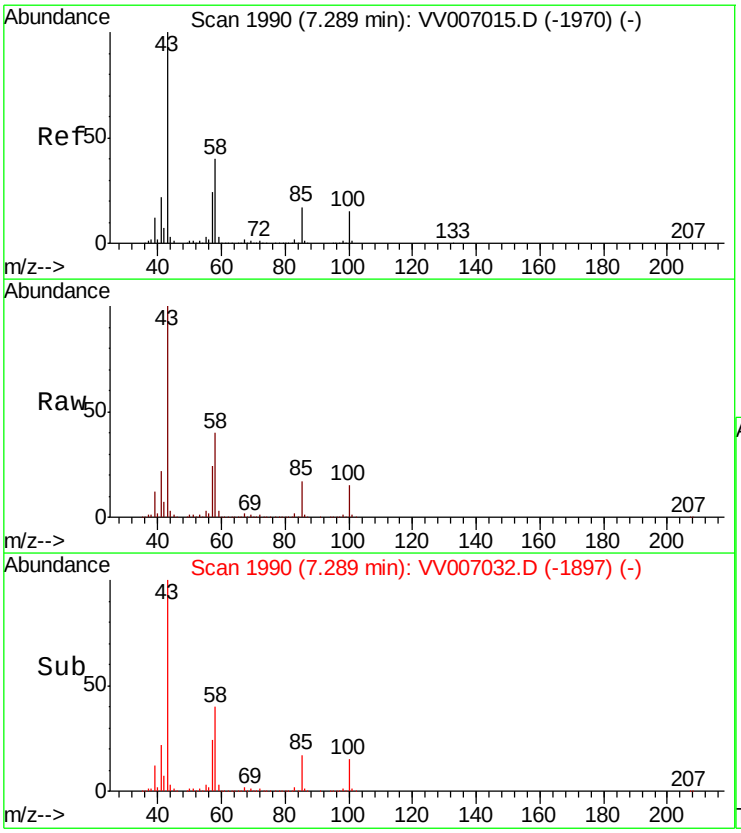

#39
cis-1,3-Dichloropropene
Concen: 4.987 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 75 Resp: 117955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 22.0 | 40.8 |

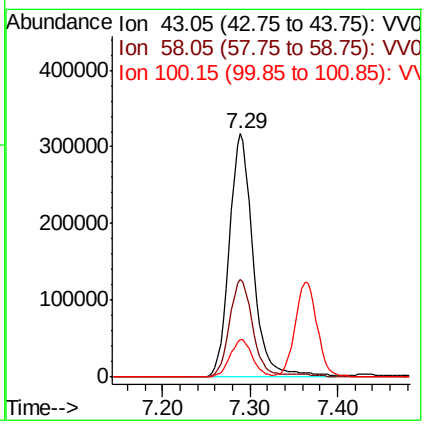


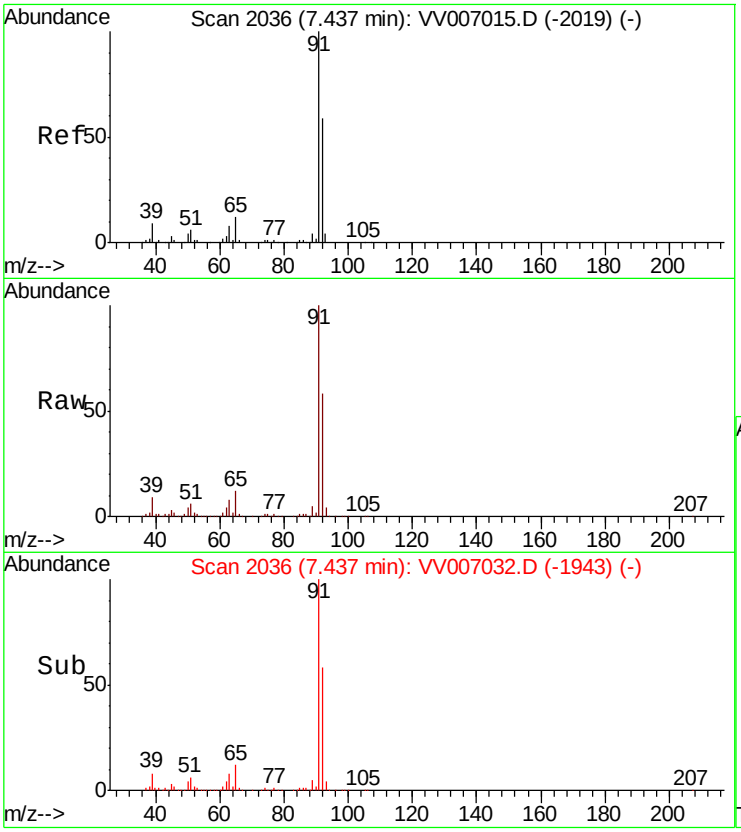




#40
4-Methyl-2-pentanone
Concen: 56.834 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 43 Resp: 601046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.1 | 30.7 | 46.1 |
| 100 | 14.5 | 11.2 | 16.8 |



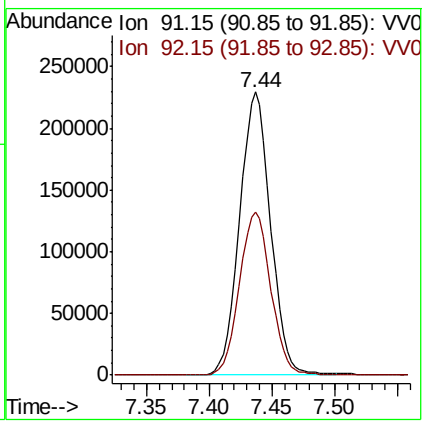


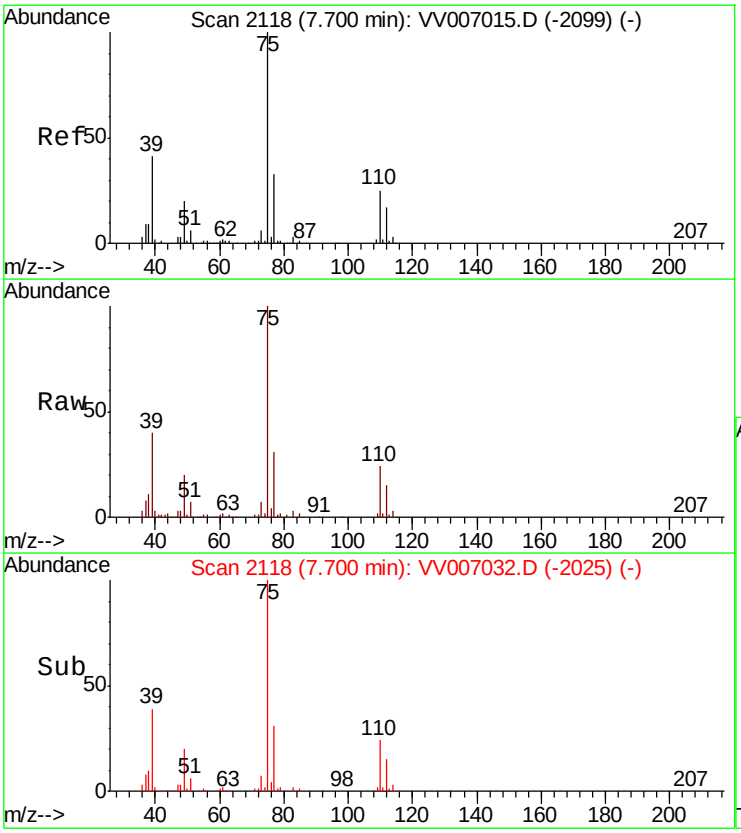

#42
Toluene
Concen: 5.723 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 91 Resp: 393364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 40.2 | 74.6 |

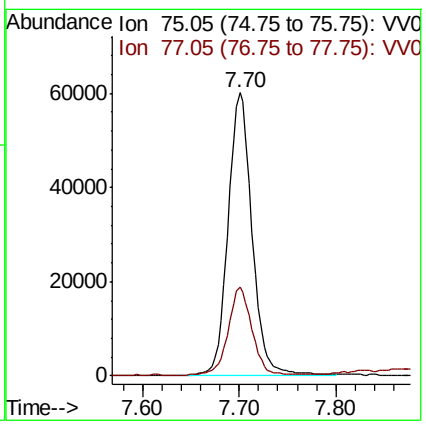


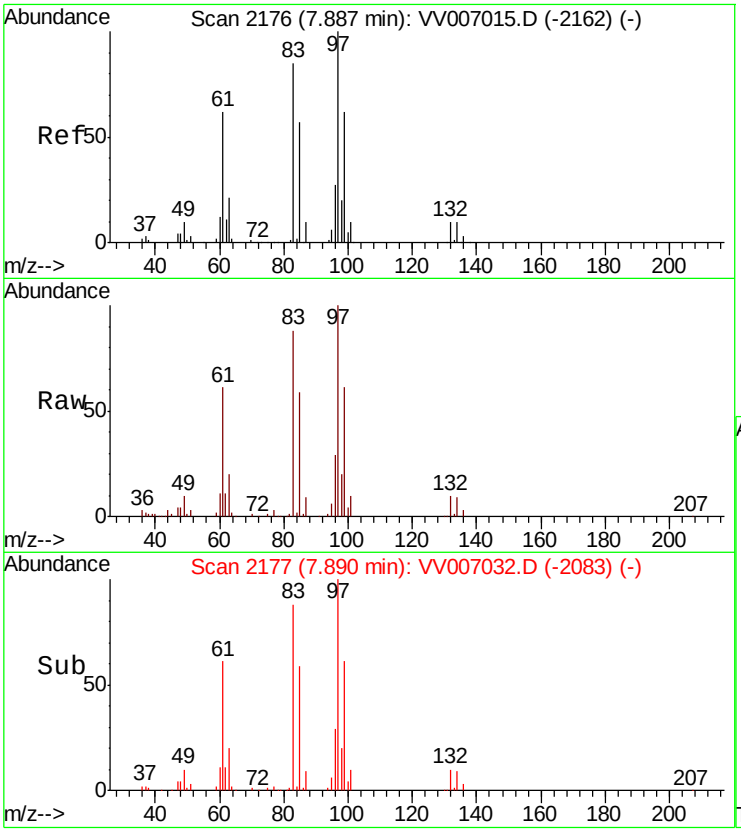




#44
trans-1,3-Dichloropropene
Concen: 5.375 ug/L
RT: 7.70 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 75 Resp: 104344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 22.3 | 41.3 |



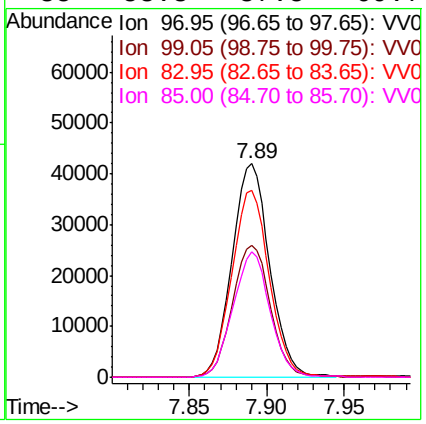


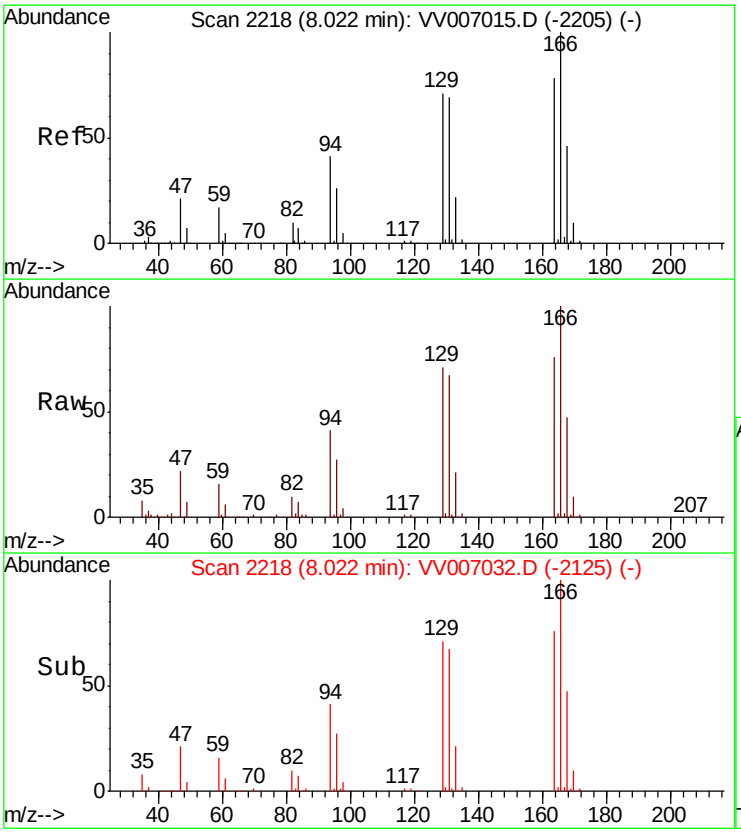

#45
1,1,2-Trichloroethane
Concen: 5.587 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion: 97 Resp: 71160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.4 | 40.6 | 75.4 |
| 83 | 87.5 | 58.0 | 107.8 |
| 85 | 58.8 | 37.5 | 69.7 |

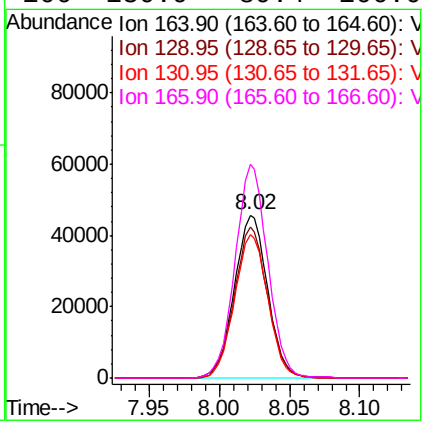


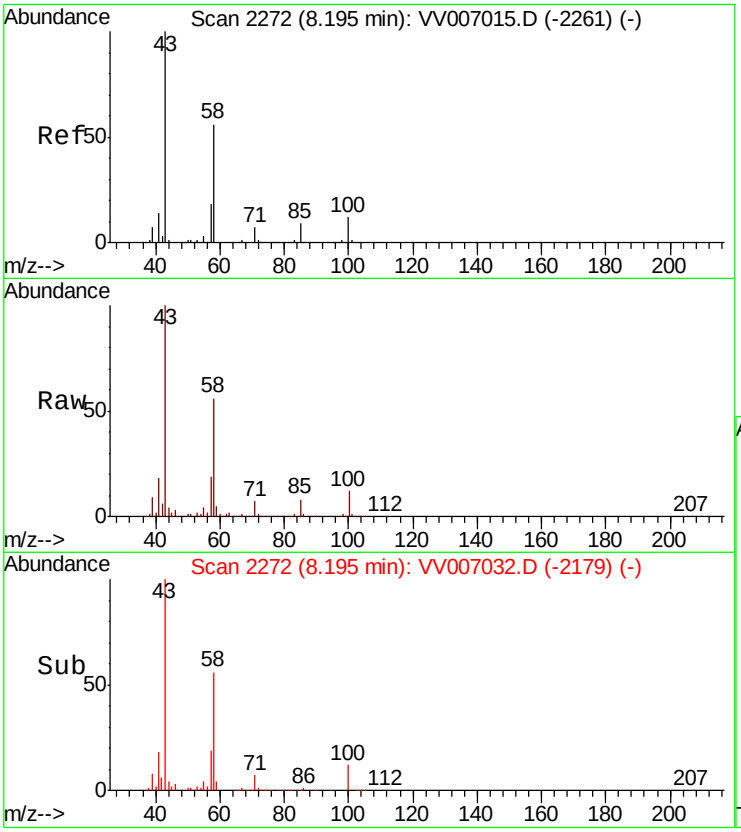




#47
Tetrachloroethene
Concen: 5.432 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:164 Resp: 75539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 92.9 | 65.9 | 122.3 |
| 131 | 87.7 | 64.2 | 119.2 |
| 166 | 130.9 | 89.4 | 166.0 |



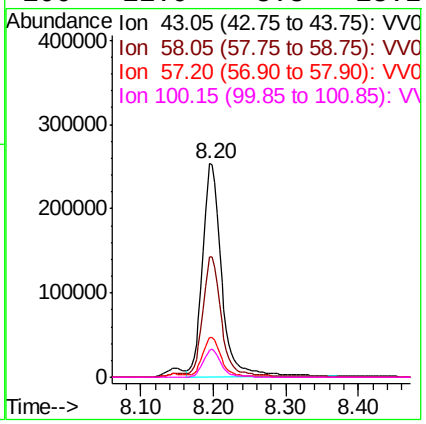


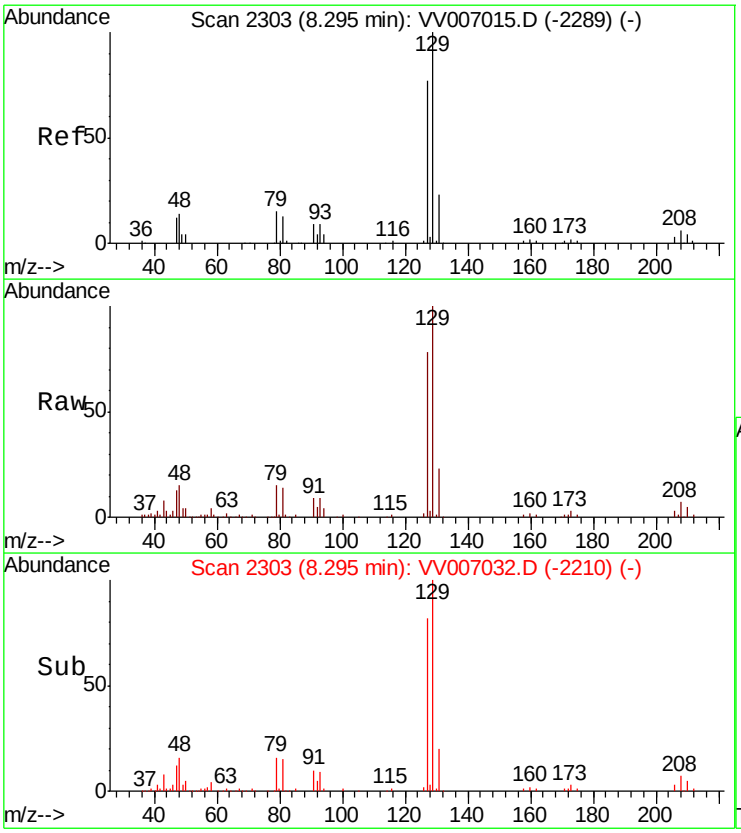

#48
2-Hexanone
Concen: 62.303 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 43 Resp: 464705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.4 | 44.2 | 66.2 |
| 57 | 18.6 | 14.8 | 22.2 |
| 100 | 11.9 | 8.8 | 13.2 |

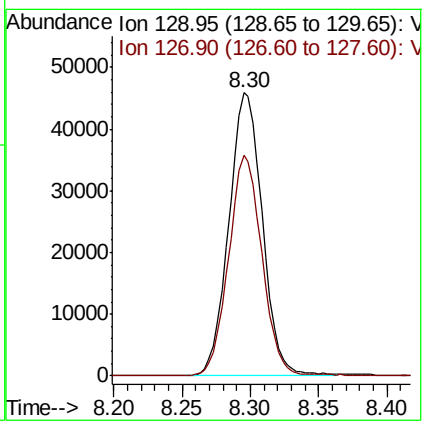


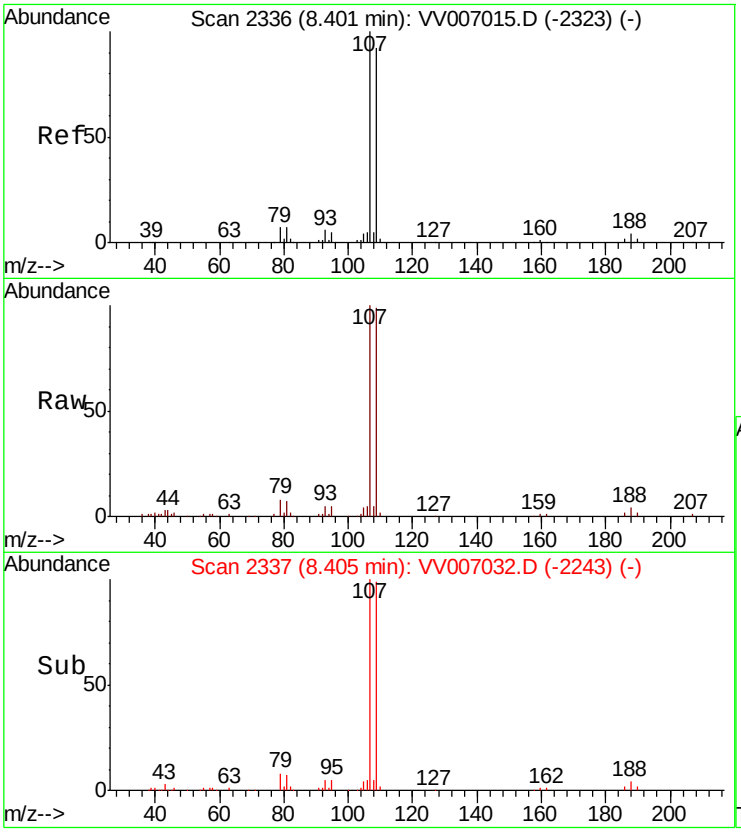




#49
Dibromochloromethane
Concen: 5.869 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:129 Resp: 78411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 53.3 | 98.9 |



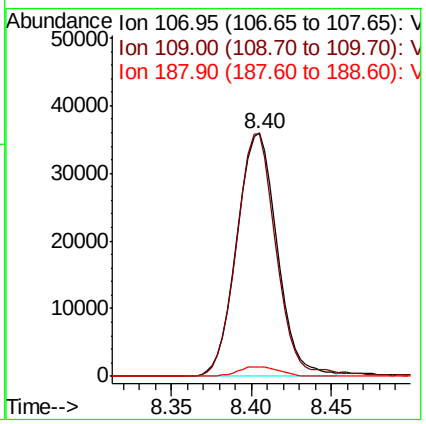


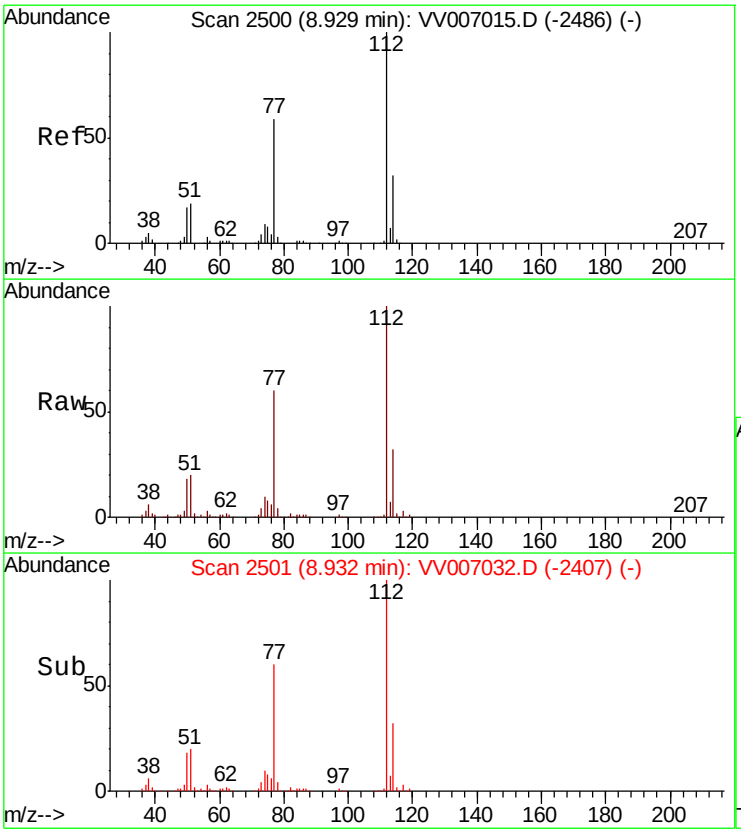

#50
1,2-Dibromoethane
Concen: 5.736 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion:107 Resp: 61711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 99.4 | 64.1 | 119.1 |
| 188 | 3.9 | 4.0 | 6.0# |

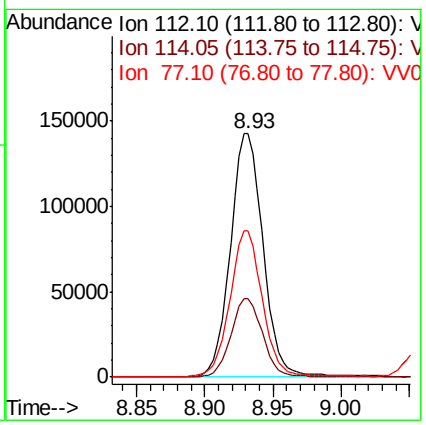


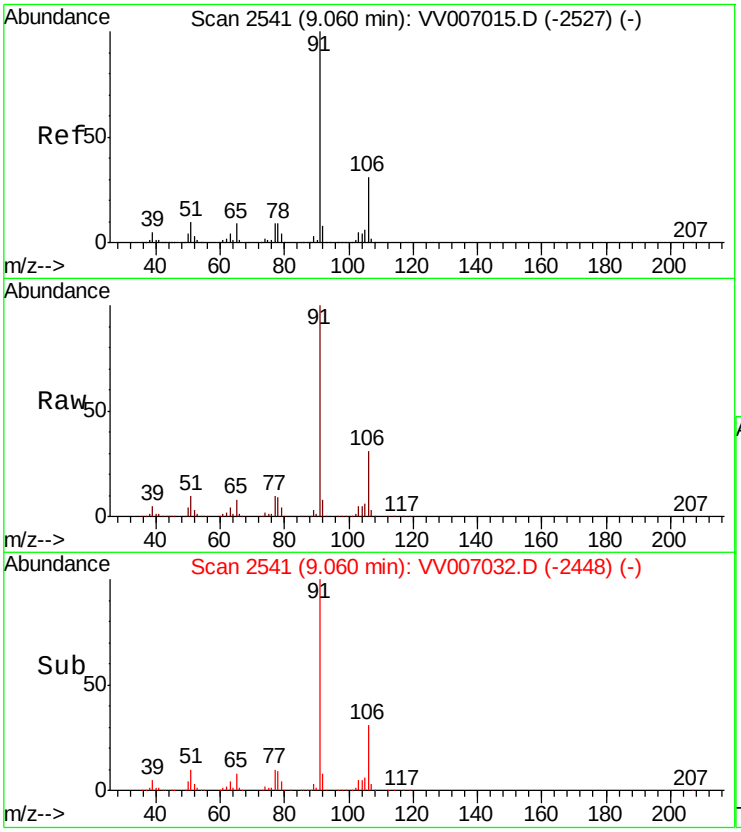




#51
Chlorobenzene
Concen: 5.403 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:112 Resp: 236696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 21.8 | 40.6 |
| 77 | 60.0 | 48.0 | 72.0 |



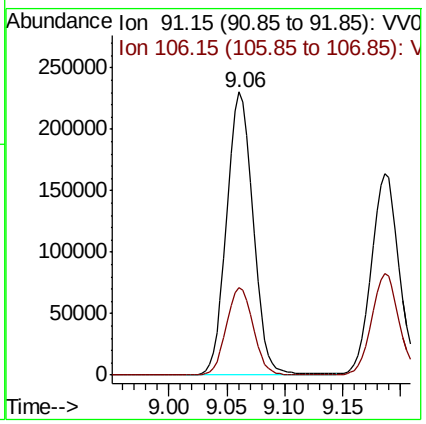


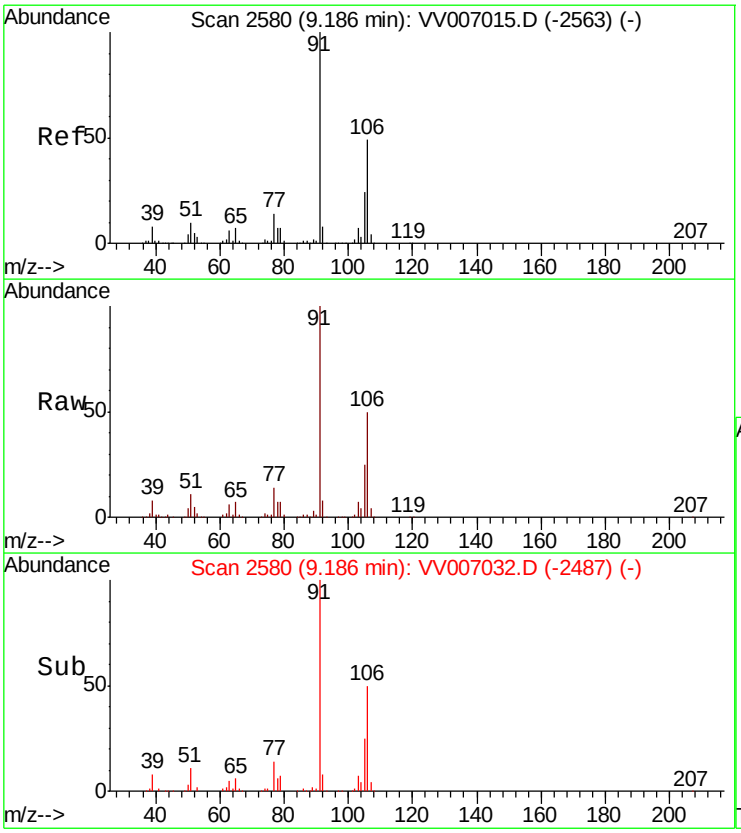

#52
Ethylbenzene
Concen: 5.306 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 91 Resp: 364173

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

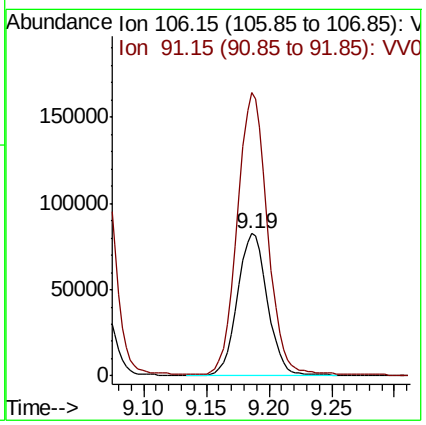


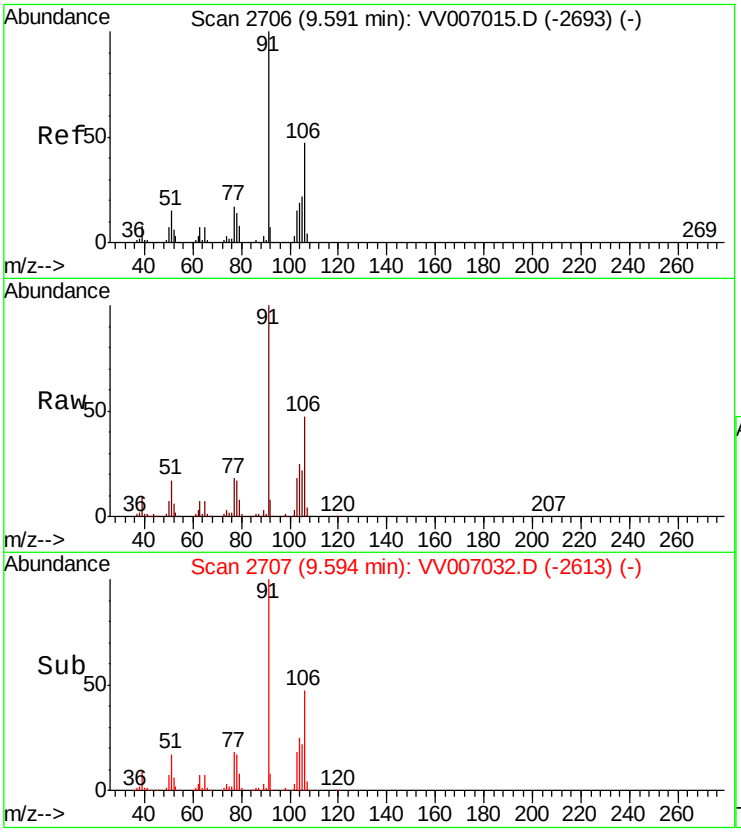




#53
m,p-xylene
Concen: 5.366 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:106 Resp: 137279

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



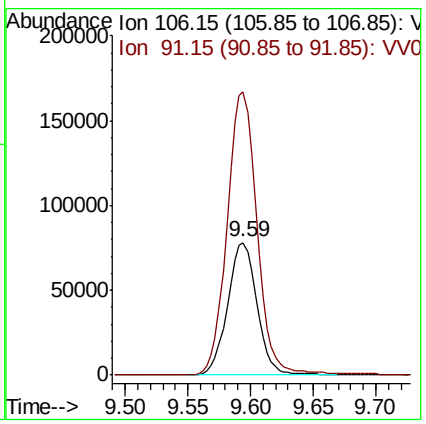


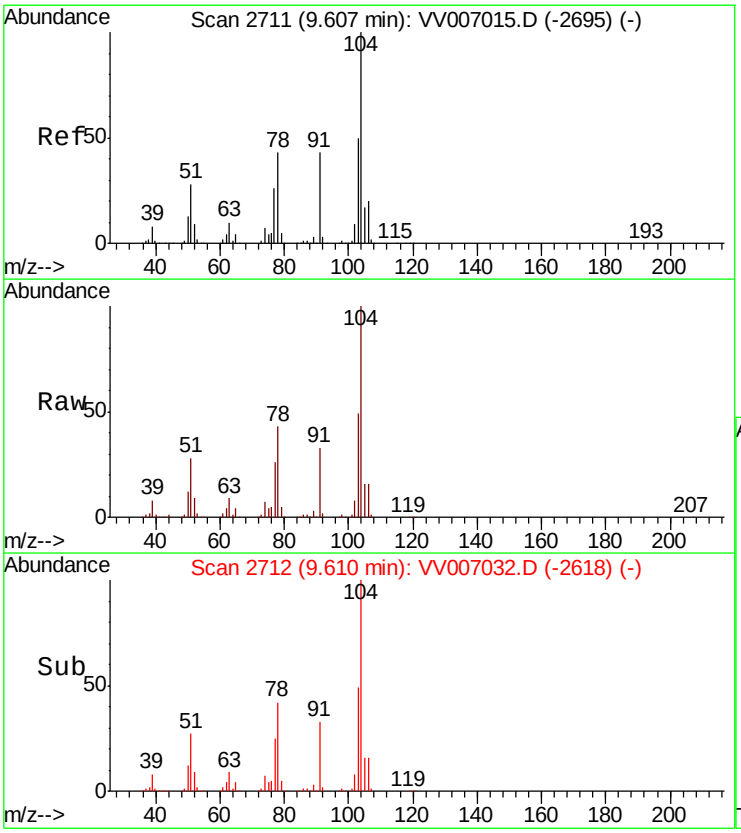

#54
o-xylene
Concen: 5.264 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:106 Resp: 127608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.9 | 149.8 | 278.2 |

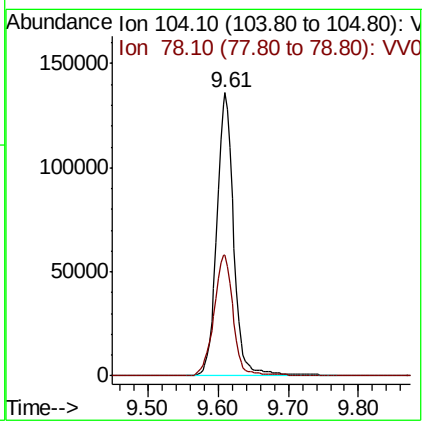


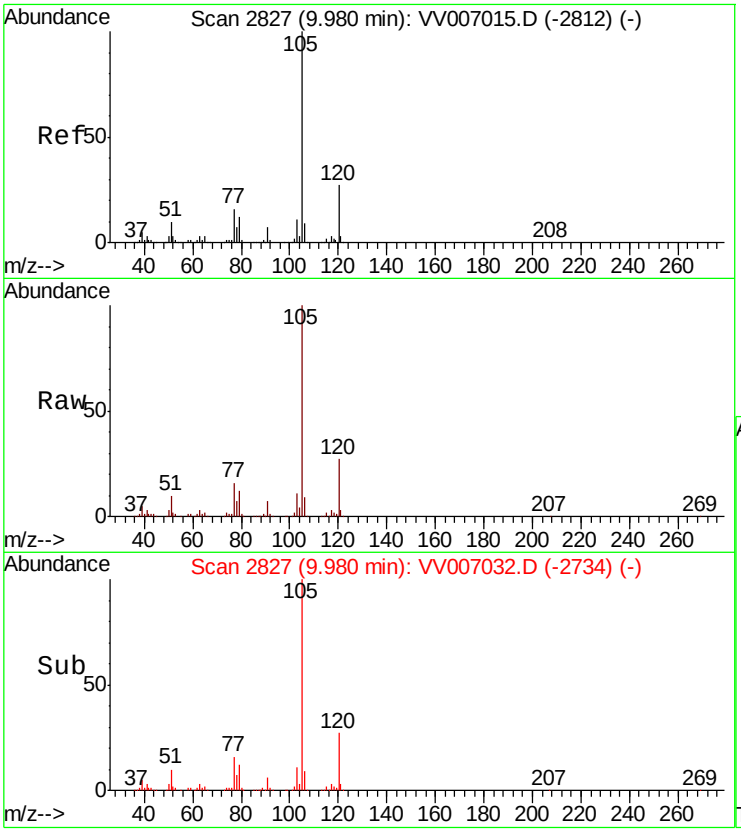




#55
Styrene
Concen: 5.556 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:104 Resp: 227038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.5 | 30.4 | 56.5 |



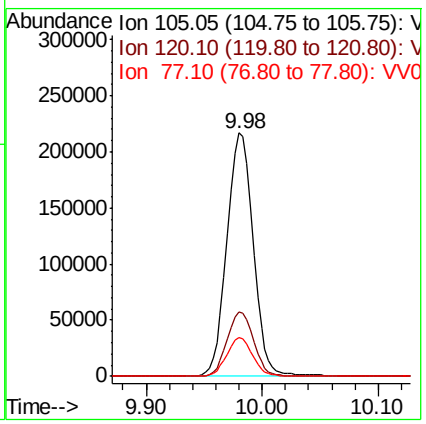


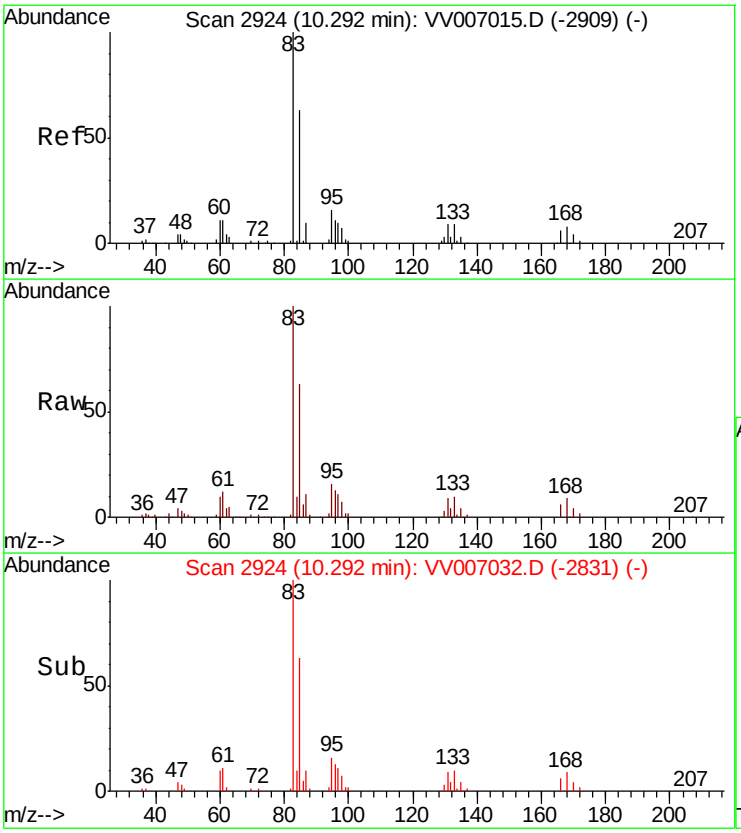

#56
Isopropylbenzene
Concen: 5.353 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:105 Resp: 340435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 21.1 | 31.7 |
| 77 | 15.8 | 13.0 | 19.4 |

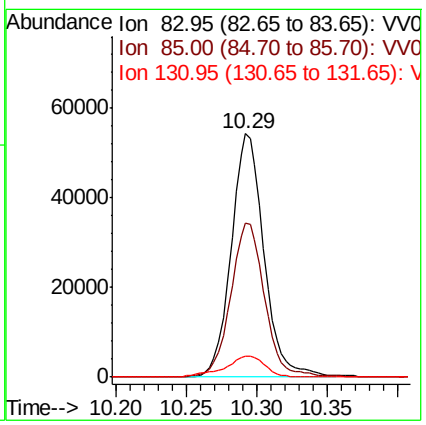


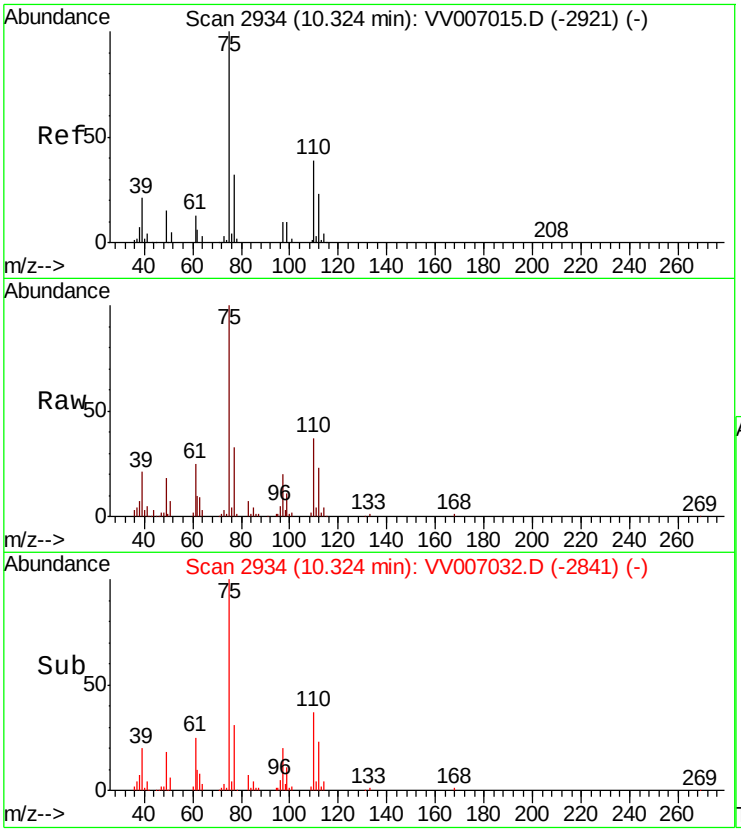




#58
1,1,2,2-Tetrachloroethane
Concen: 5.699 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 83 Resp: 88220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 43.0 | 79.8 |
| 131 | 8.7 | 7.4 | 11.2 |



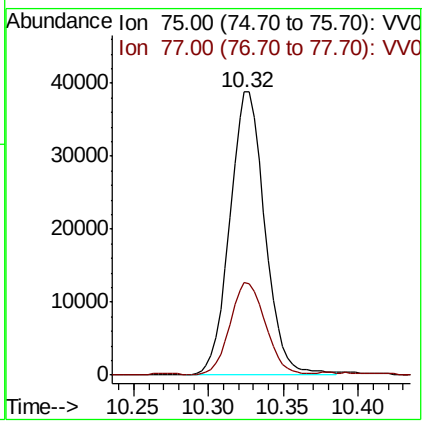


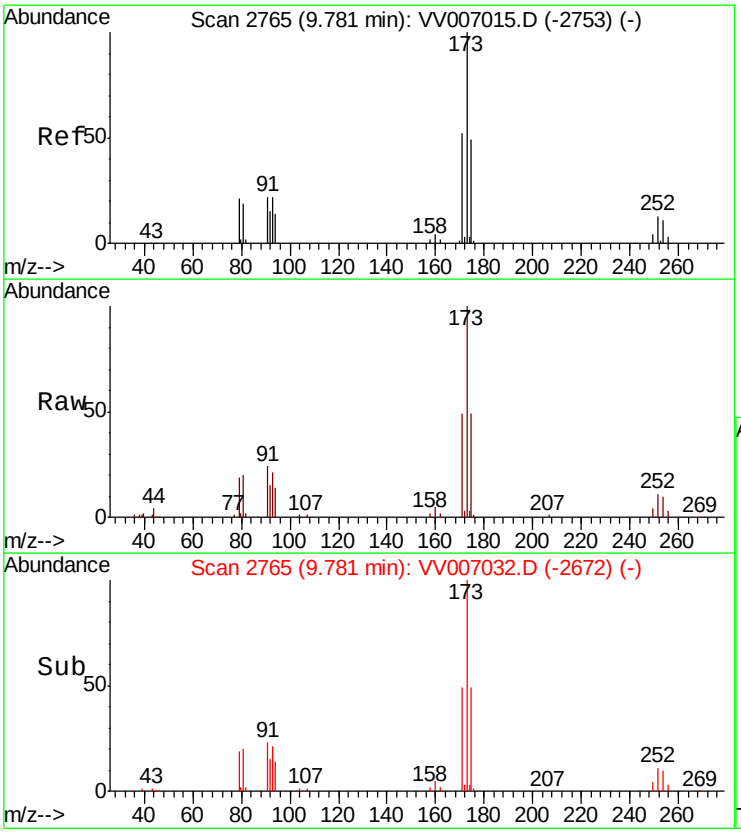

#59
1,2,3-Trichloropropane
Concen: 5.803 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion: 75 Resp: 63593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.4 | 38.0 |

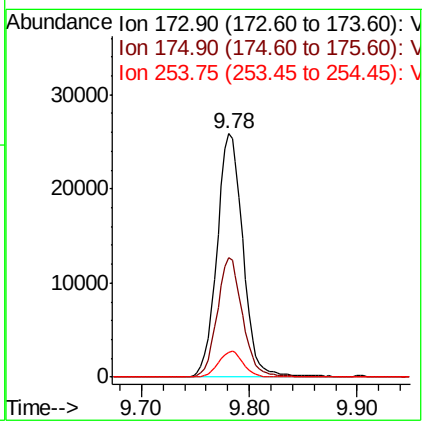


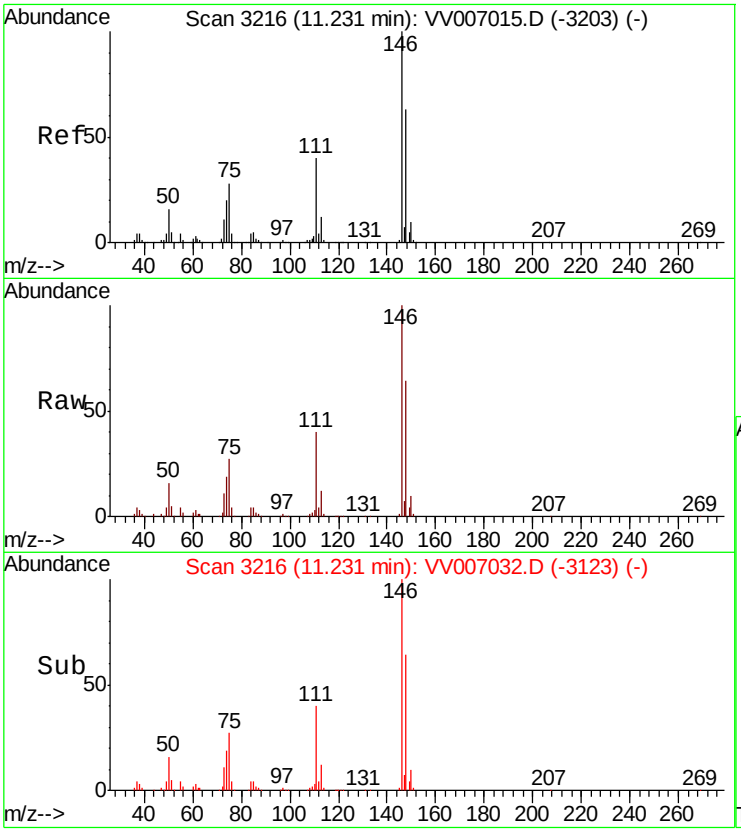




#61
Bromoform
Concen: 6.005 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:173 Resp: 43211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 39.3 | 58.9 |
| 254 | 9.9 | 8.3 | 12.5 |



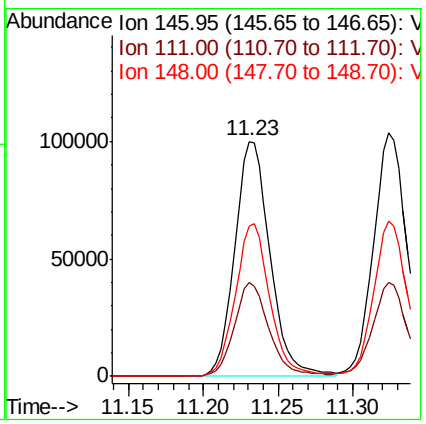


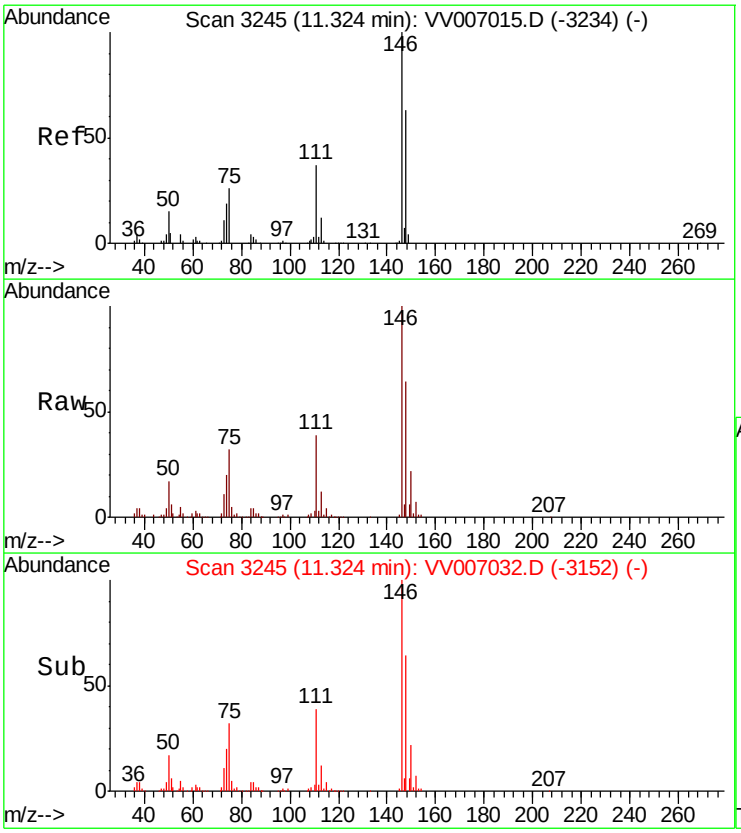

#62
1,3-Dichlorobenzene
Concen: 5.337 ug/L
RT: 11.23 min Scan# 3216
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:146 Resp: 164082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 28.1 | 52.3 |
| 148 | 64.0 | 44.2 | 82.2 |

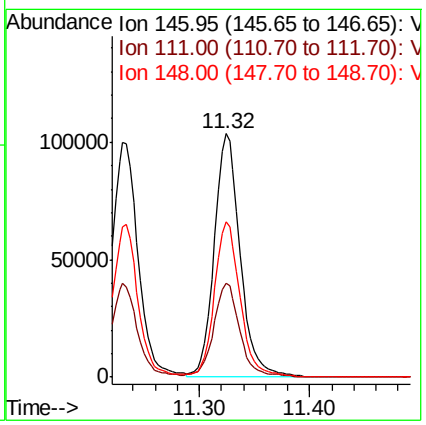


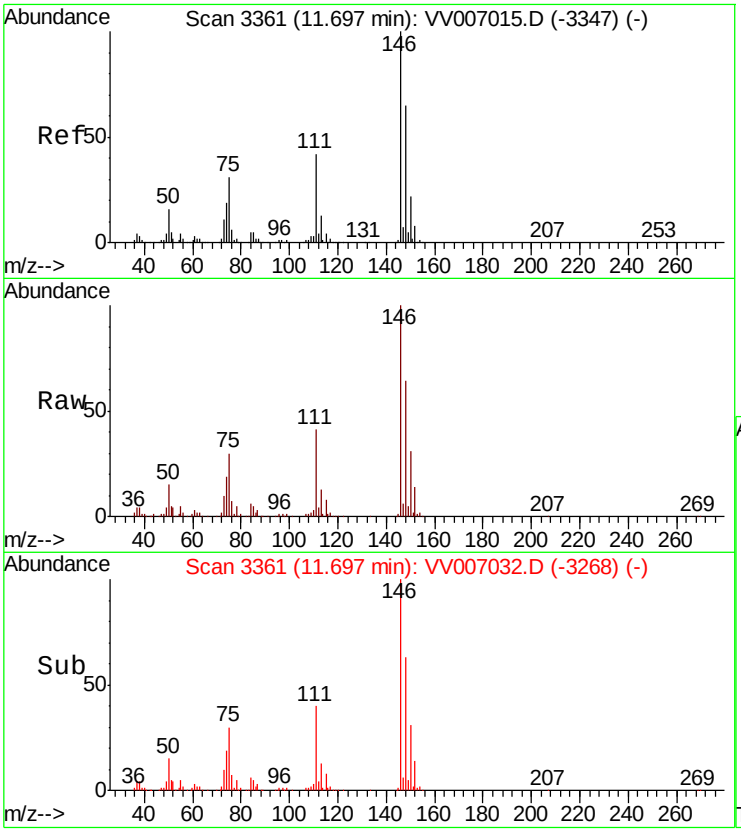




#63
1,4-Dichlorobenzene
Concen: 5.352 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:146 Resp: 168643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 26.6 | 49.4 |
| 148 | 63.6 | 46.4 | 86.2 |



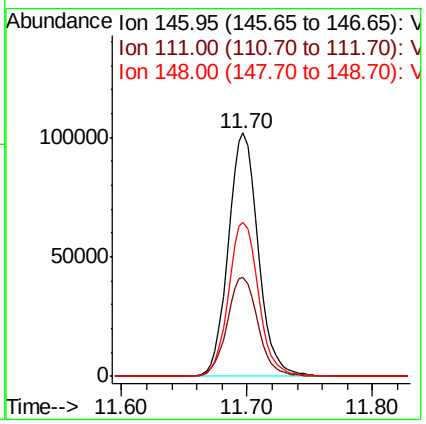


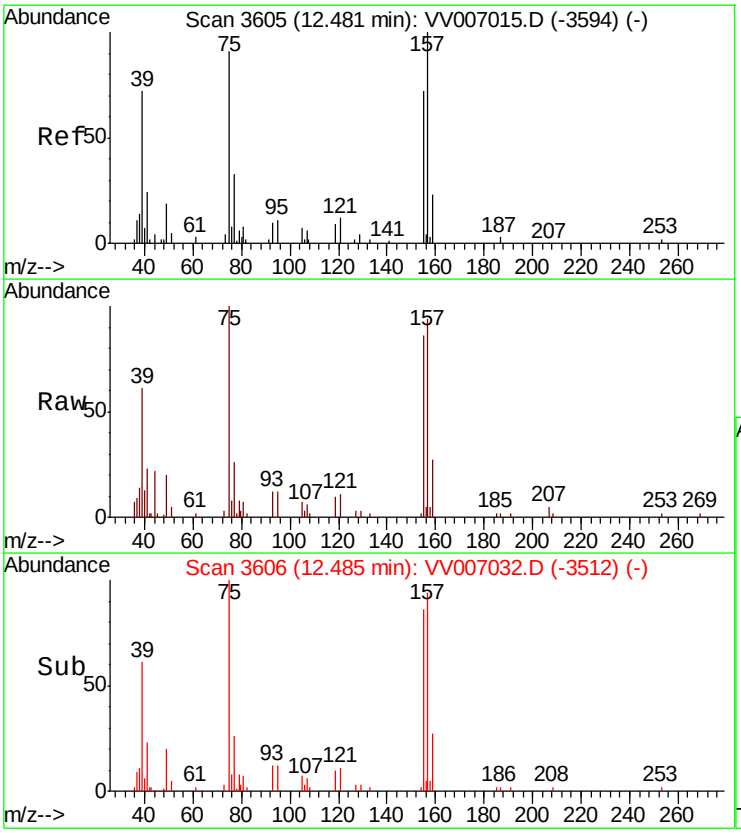

#65
1,2-Dichlorobenzene
Concen: 5.561 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00588

Tgt Ion:146 Resp: 168170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 33.0 | 49.6 |
| 148 | 63.5 | 50.6 | 75.8 |

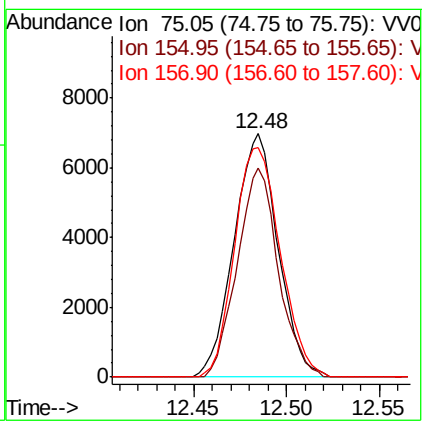


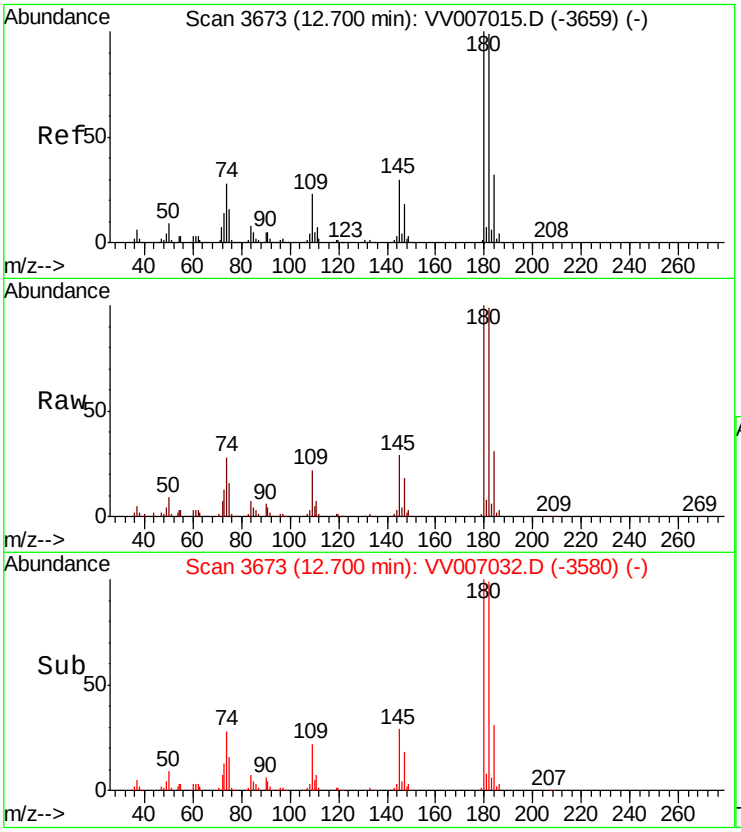




#66
1,2-Dibromo-3-chloropropane
Concen: 5.360 ug/L
RT: 12.48 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 75 Resp: 11508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.9 | 62.6 | 94.0 |
| 157 | 94.0 | 77.0 | 115.6 |



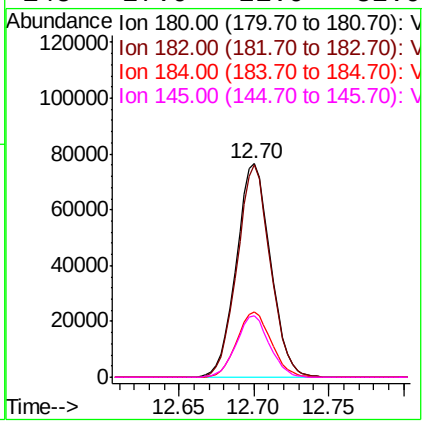


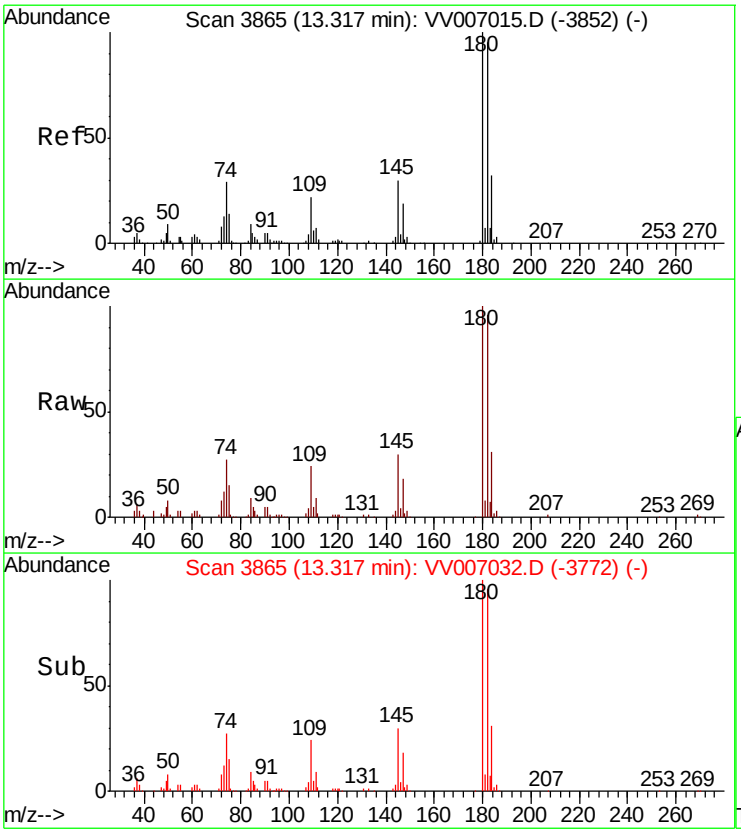

#67
1,3,5-Trichlorobenzene
Concen: 5.237 ug/L
RT: 12.70 min Scan# 3673
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion:180 Resp: 121852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 75.1 | 112.7 |
| 184 | 31.0 | 23.8 | 35.8 |
| 145 | 27.9 | 21.9 | 32.9 |

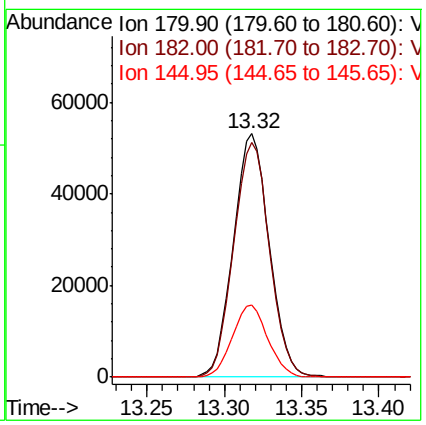


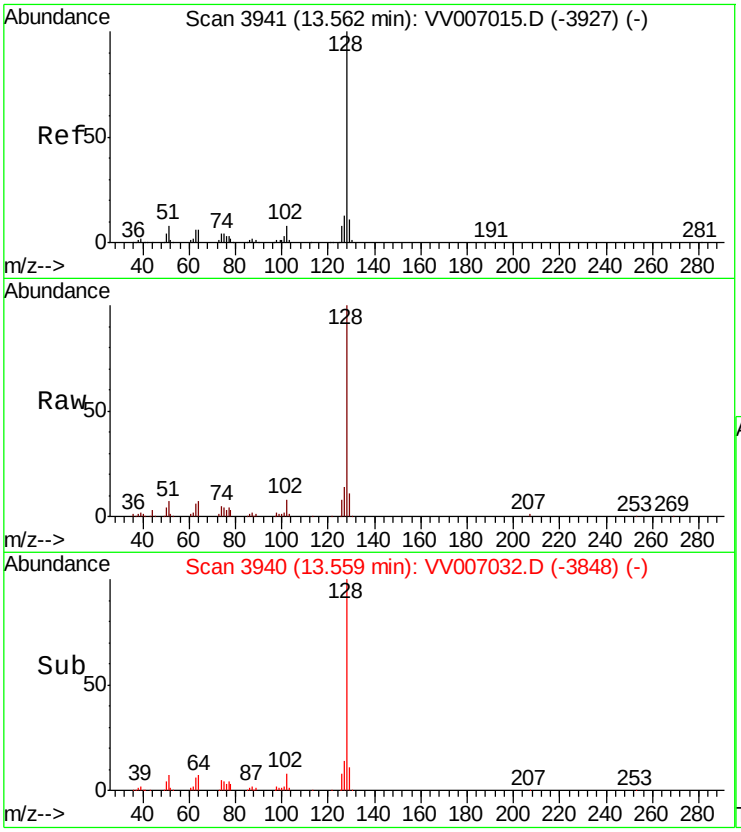




#68
1,2,4-trichlorobenzene
Concen: 5.008 ug/L
RT: 13.32 min Scan# 3865
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:180 Resp: 85531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 76.5 | 114.7 |
| 145 | 29.2 | 23.6 | 35.4 |



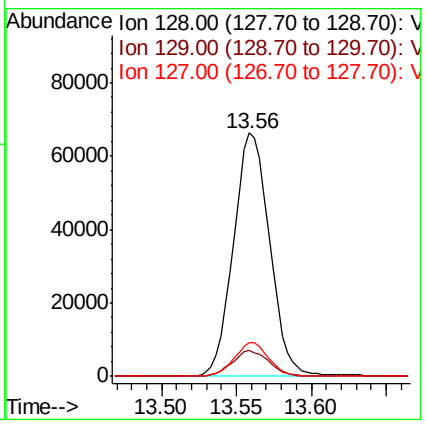


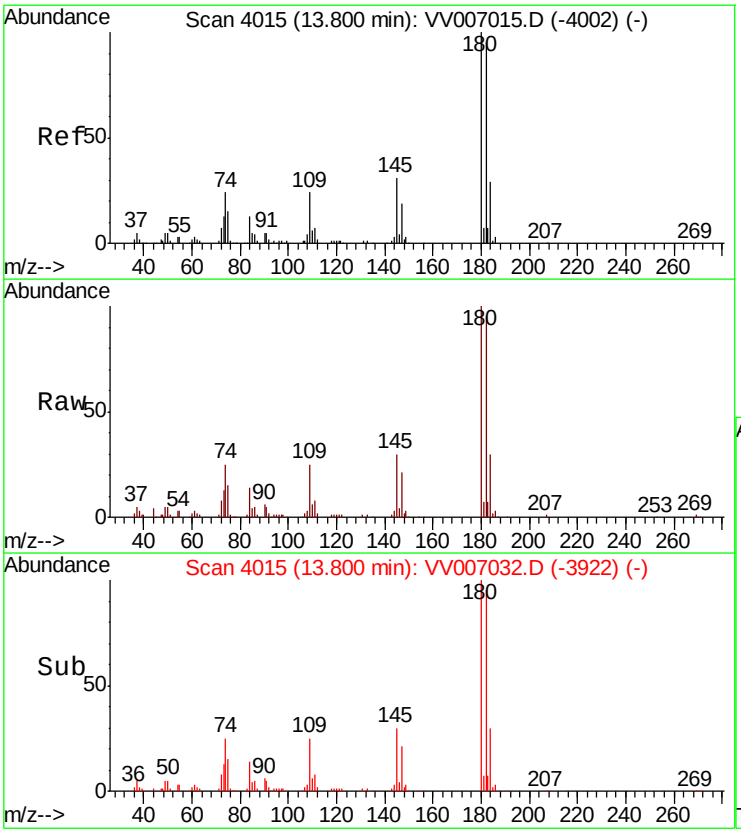

#69
Naphthalene
Concen: 4.562 ug/L
RT: 13.56 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00588

Tgt Ion:128 Resp: 111872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.5 | 12.7 |
| 127 | 13.2 | 10.6 | 16.0 |




#70
1,2,3-Trichlorobenzene
Concen: 5.195 ug/L
RT: 13.80 min Scan# 4015
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion:180 Resp: 85511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 76.1 | 114.1 |
| 145 | 29.2 | 24.6 | 36.8 |