Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
Data File : VX000486.D
Acq On : 28 Mar 2018 14:09
Operator : JC/MD
Sample : J1754-14 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Quant Time: Mar 29 04:09:26 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.68 | 168 | 98652 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 174652 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 169955 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 85429 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.08 | 65 | 71938 | 55.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.72% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 56589 | 51.42 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.84% | | | |
| 50) Toluene-d8 | 8.73 | 98 | 222832 | 48.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.78% | | | |
| 62) 4-Bromofluorobenzene | 11.15 | 95 | 74216 | 39.95 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 79.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.72 | 64 | 208 | Below Cal | # | 44 |
| 8) Diethyl Ether | 2.19 | 74 | 467 | 0.60 | ug/l | 75 |
| 10) Methyl Iodide | 2.52 | 142 | 95 | 4.35 | ug/l # | 37 |
| 11) Tert butyl alcohol | 3.09 | 59 | 182 | 0.41 | ug/l # | 72 |
| 13) Acrolein | 2.53 | 56 | 20 | 14.71 | ug/l # | 1 |
| 16) Acetone | 2.45 | 43 | 10035 | 9.37 | ug/l | 98 |
| 17) Carbon Disulfide | 2.57 | 76 | 623 | 0.23 | ug/l # | 59 |
| 20) Methylene Chloride | 2.86 | 84 | 1770 | 1.43 | ug/l # | 84 |
| 25) 2-Butanone | 4.73 | 43 | 1611 | 1.34 | ug/l # | 82 |
| 29) Tetrahydrofuran | 5.19 | 42 | 555 | 0.75 | ug/l # | 45 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 7684 | 4.70 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 9790 | 5.70 | ug/l # | 14 |
| 43) Isopropyl Acetate | 6.48 | 43 | 2171 | 0.65 | ug/l # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.66 | 43 | 1215 | 0.47 | ug/l # | 81 |
| 60) Dibromochloromethane | 9.60 | 129 | 27 | 4.13 | ug/l # | 12 |
| 74) N-amyl acetate | 6.48 | 43 | 2171 | Below Cal | # | 86 |
| 76) 1,2,3-Trichloropropane | 11.15 | 75 | 42371 | 23.08 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75 | 42371 | 74.72 | ug/l # | 9 |
| 95) Naphthalene | 13.84 | 128 | 3984 | 0.57 | ug/l # | 94 |

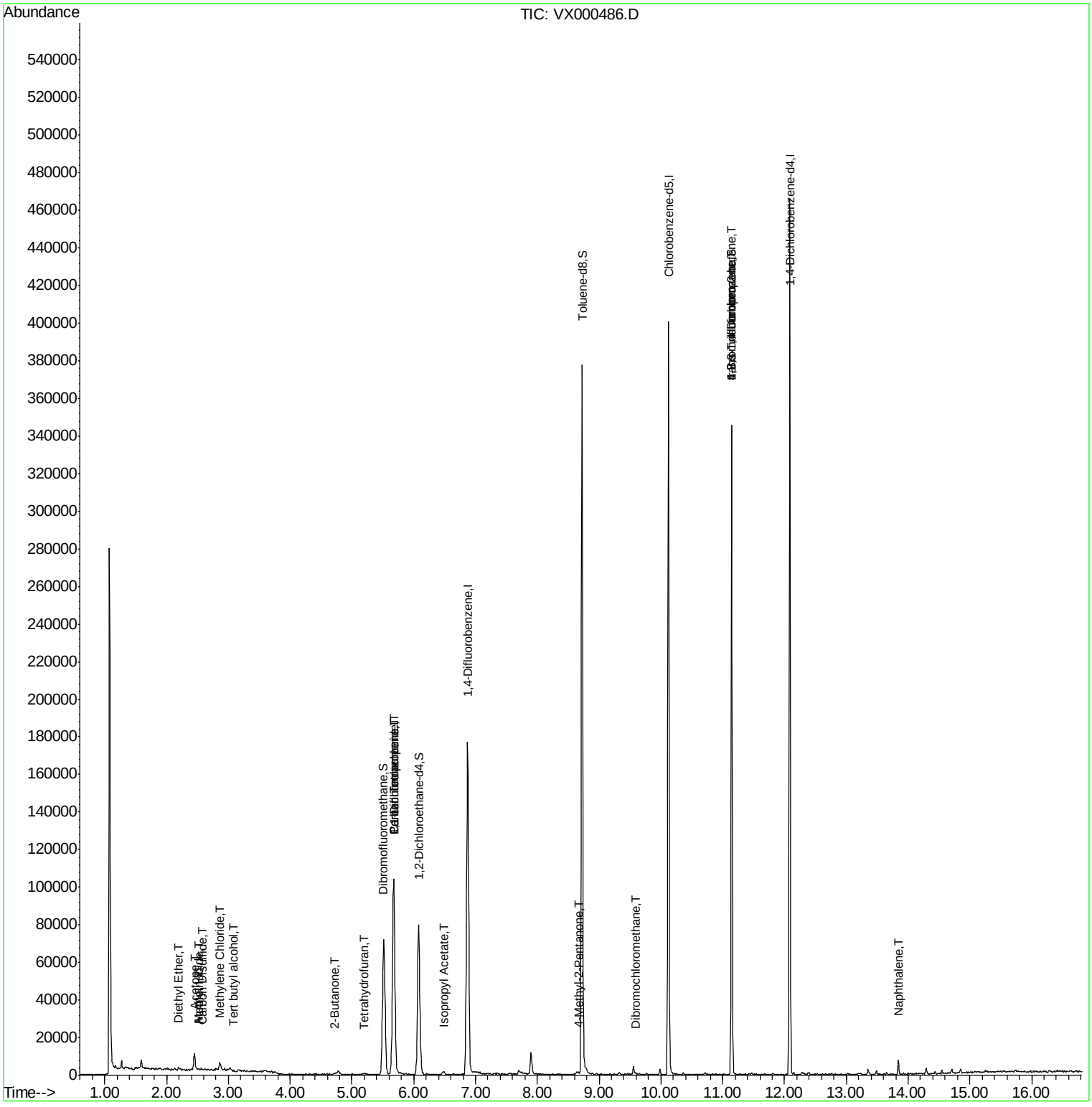
(#) = qualifier out of range (m) = manual integration (+) = signals summed

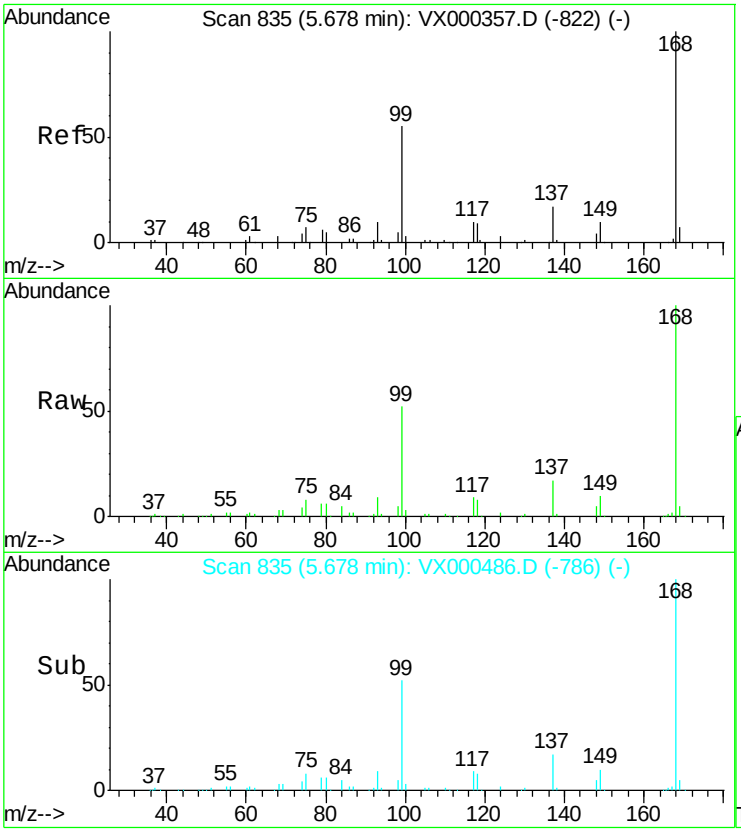
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
Data File : VX000486.D
Acq On : 28 Mar 2018 14:09
Operator : JC/MD
Sample : J1754-14 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Quant Time: Mar 29 04:09:26 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration



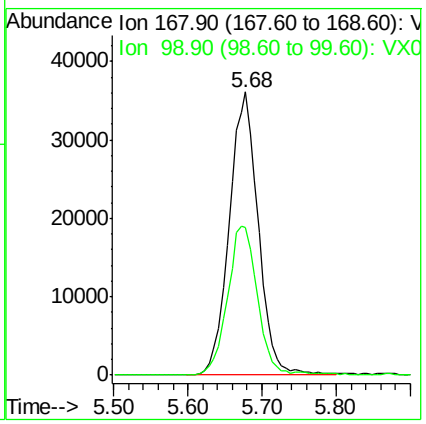


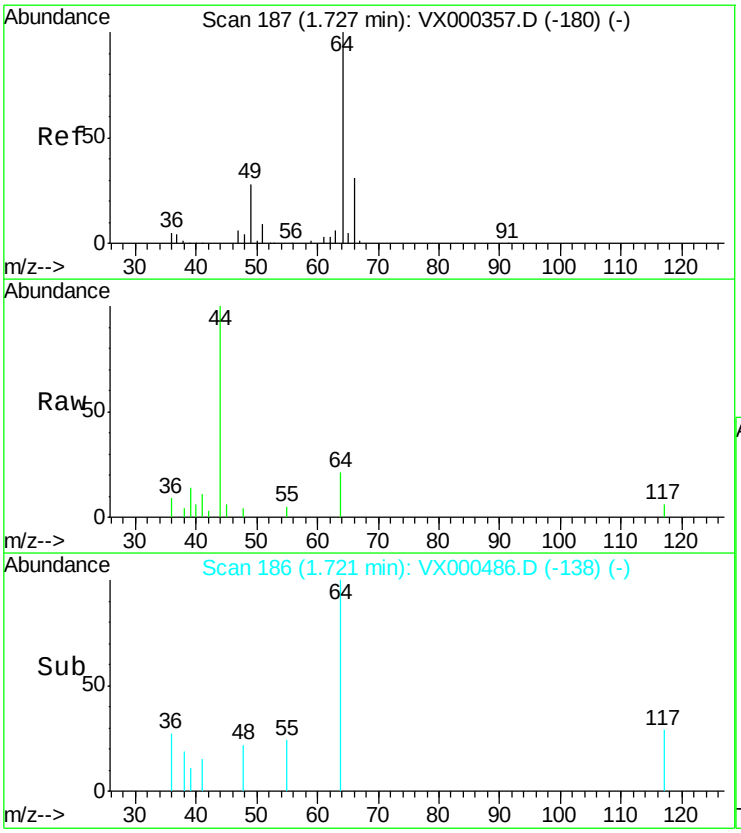

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion:168 Resp: 98652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.3 | 45.8 | 68.6 |

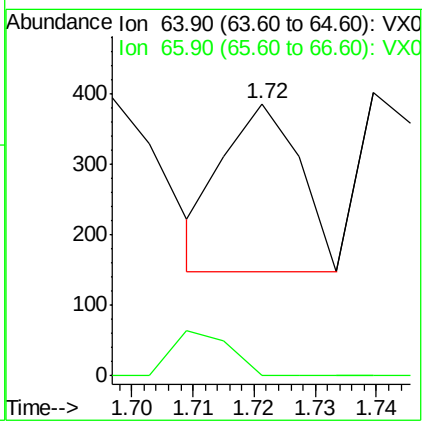


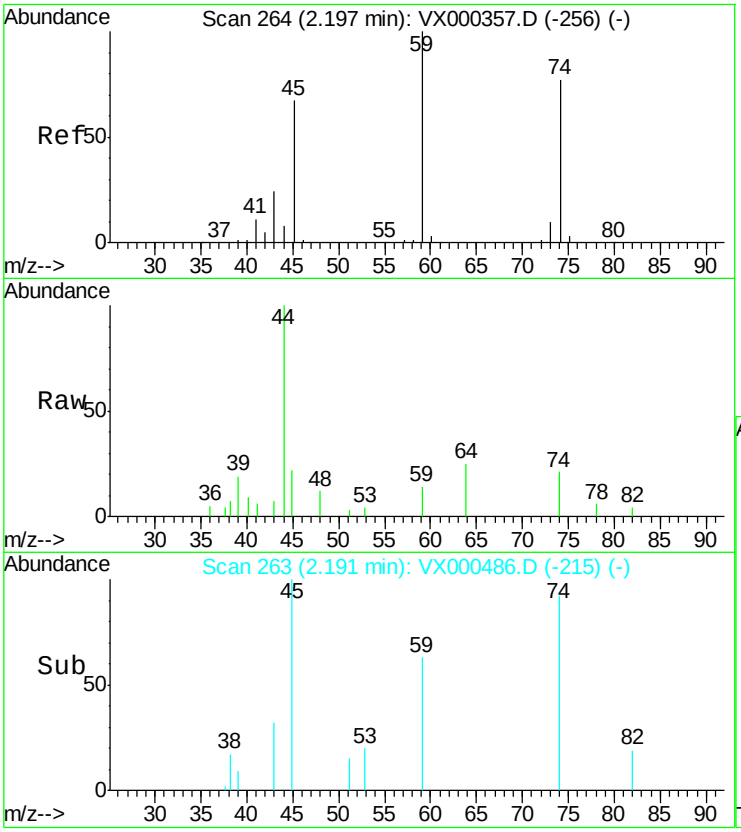




#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 64 Resp: 208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 24.8 | 37.2# |



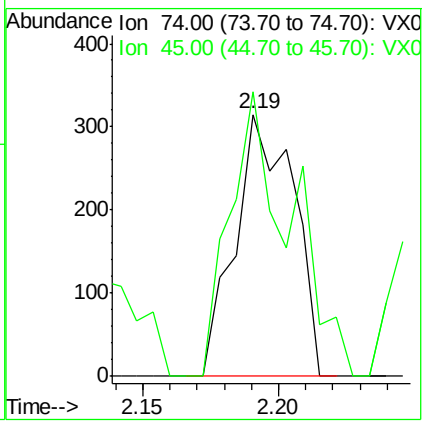


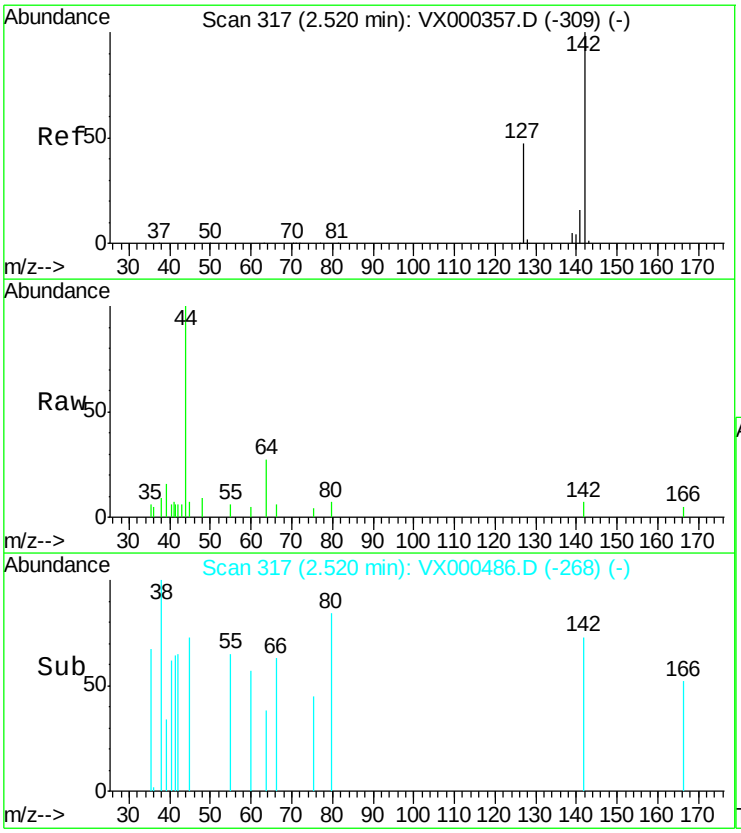

#8
Diethyl Ether
Concen: 0.60 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 74 Resp: 467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 114.1 | 45.1 | 135.3 |

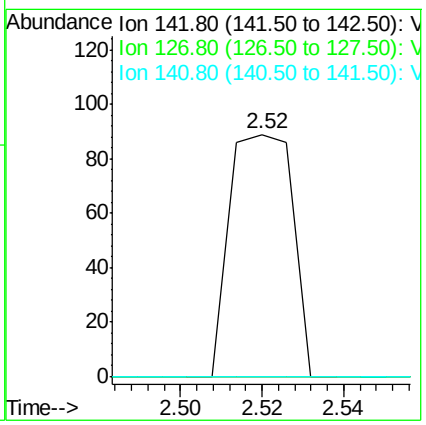


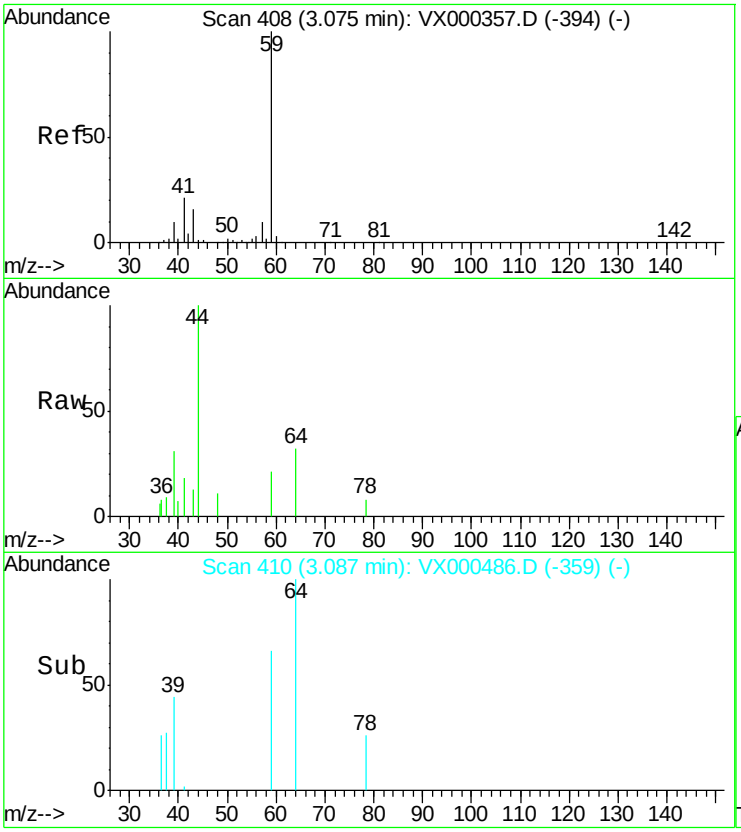




#10
Methyl Iodide
Concen: 4.35 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion:142 Resp: 95

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 39.2 | 58.8# |
| 141 | 0.0 | 11.7 | 17.5# |



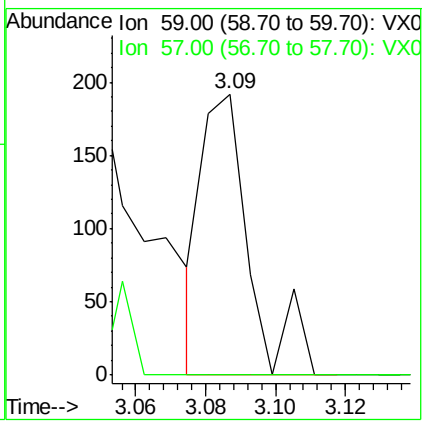


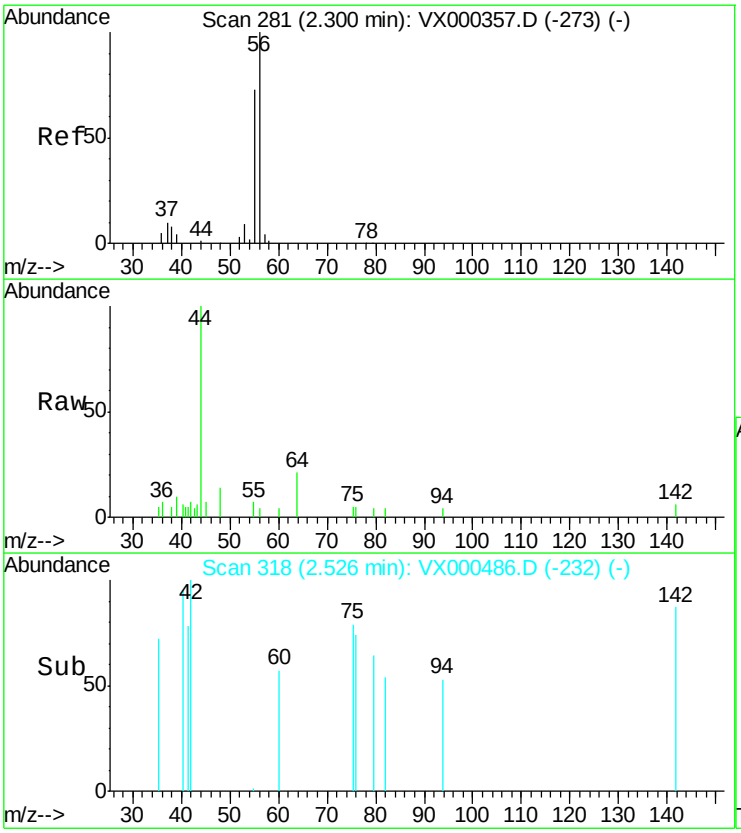

#11
Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Tgt Ion: 59 Resp: 182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.4 | 12.6# |

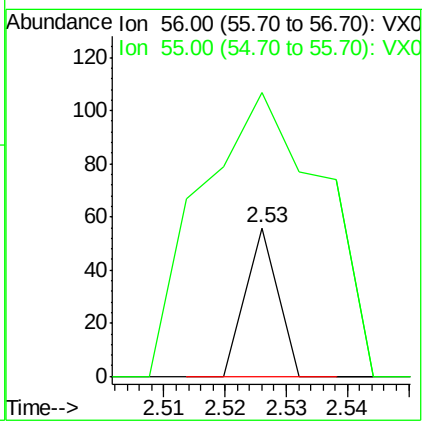


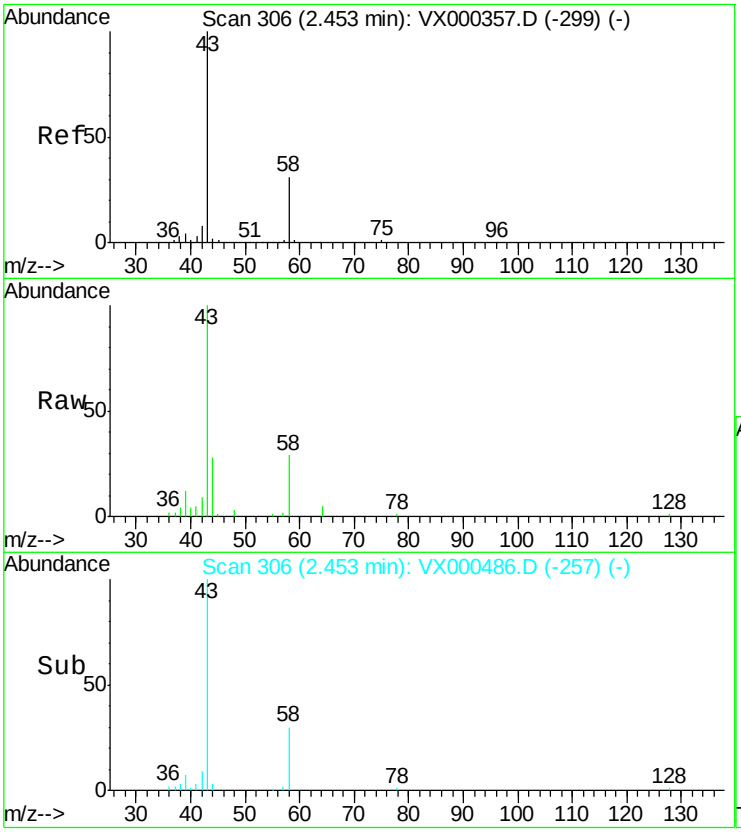




#13
Acrolein
Concen: 14.71 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.23 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 56 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 740.0 | 58.8 | 88.2# |



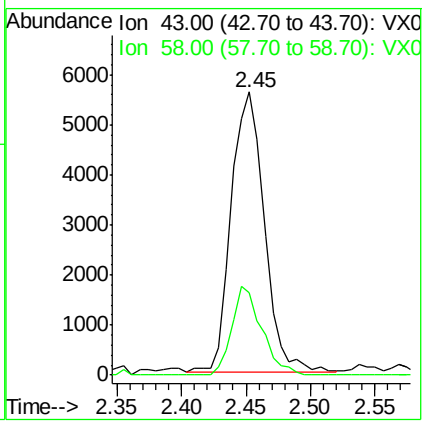


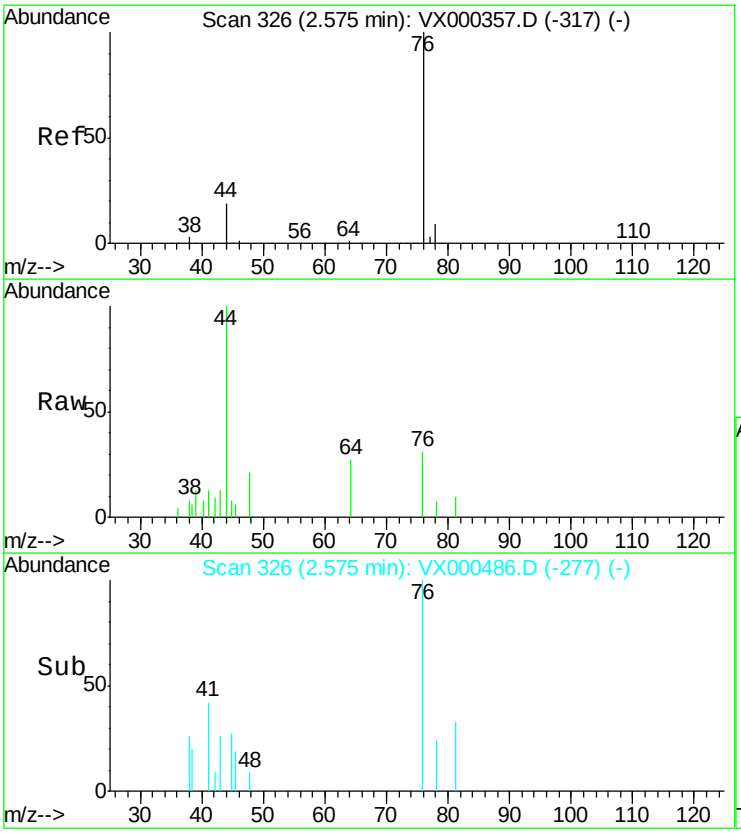

#16
Acetone
Concen: 9.37 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 43 Resp: 10035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 24.7 | 37.1 |

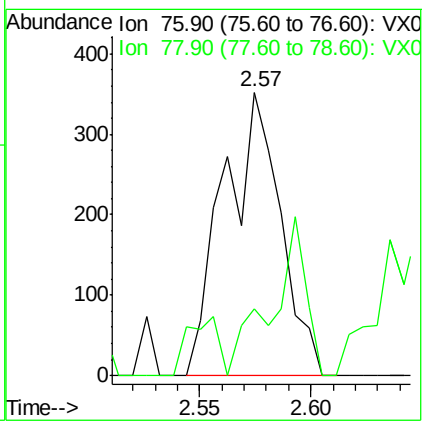


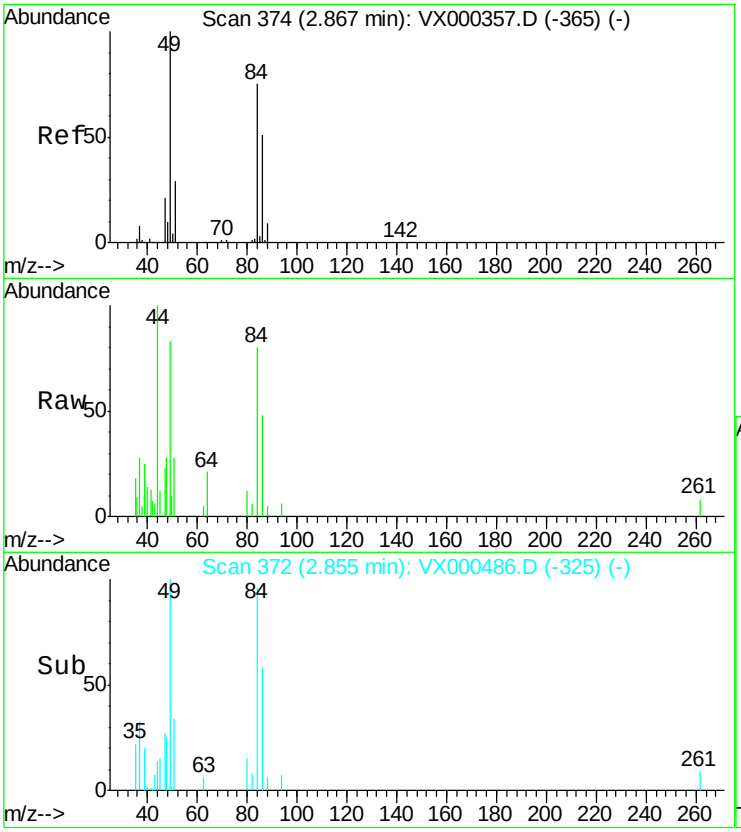




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 76 Resp: 623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 23.6 | 7.0 | 10.6# |



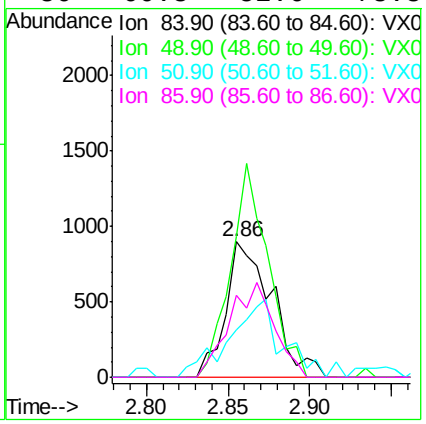


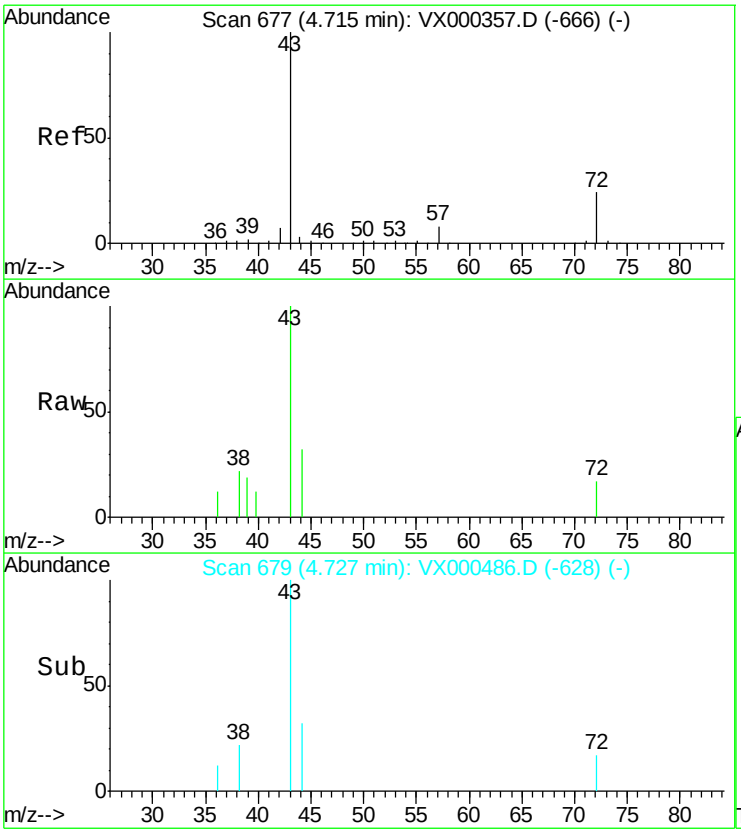

#20
Methylene Chloride
Concen: 1.43 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Tgt Ion: 84 Resp: 1770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 104.0 | 100.6 | 151.0 |
| 51 | 27.3 | 31.6 | 47.4# |
| 86 | 60.3 | 52.6 | 78.8 |

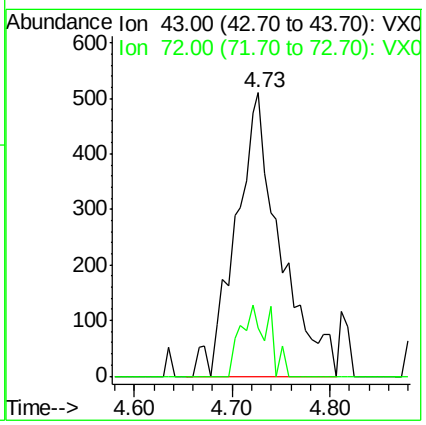


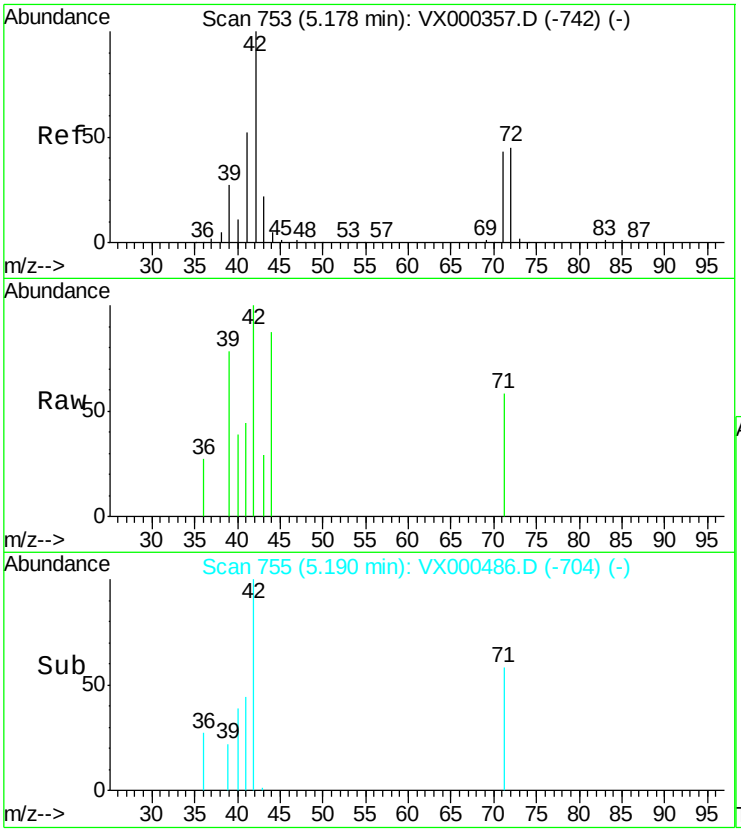




#25
2-Butanone
Concen: 1.34 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 43 Resp: 1611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.1 | 21.0 | 31.6# |



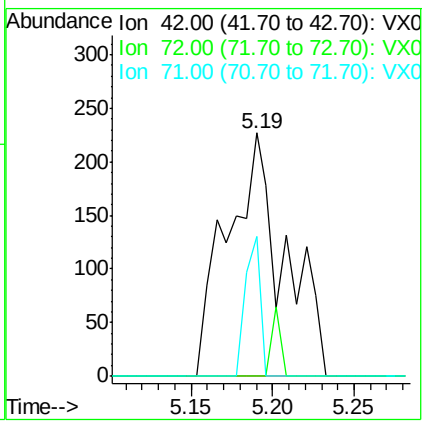


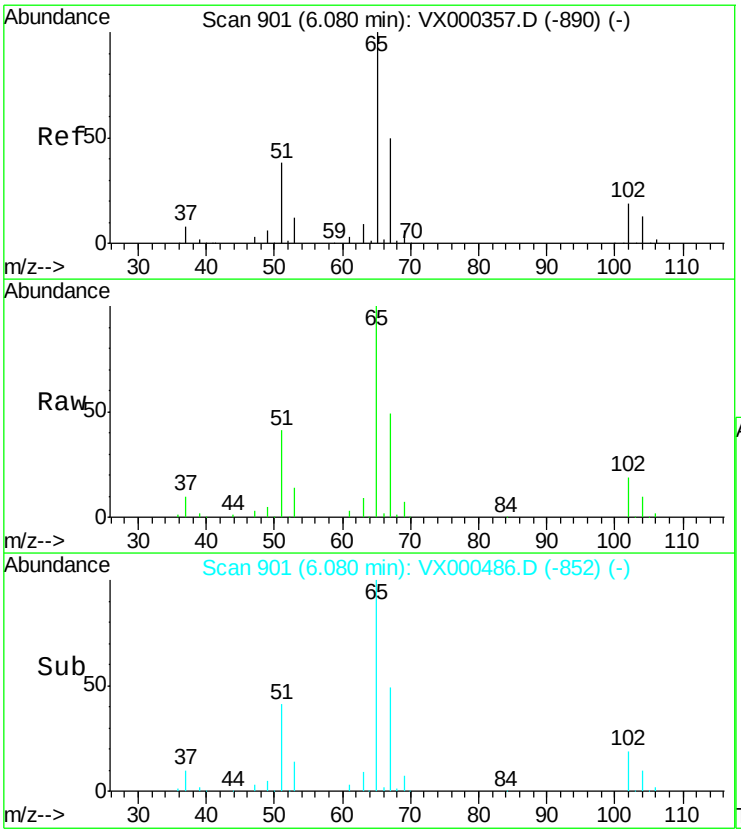

#29
Tetrahydrofuran
Concen: 0.75 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Tgt Ion: 42 Resp: 555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 4.3 | 37.9 | 56.9# |
| 71 | 15.0 | 34.4 | 51.6# |

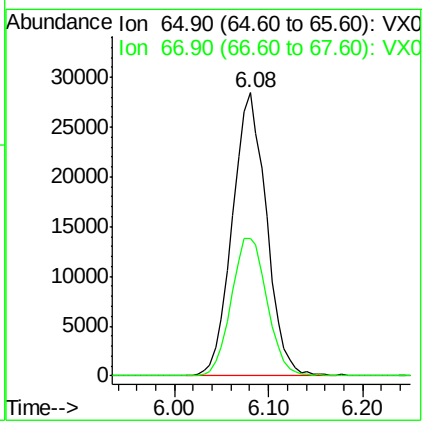


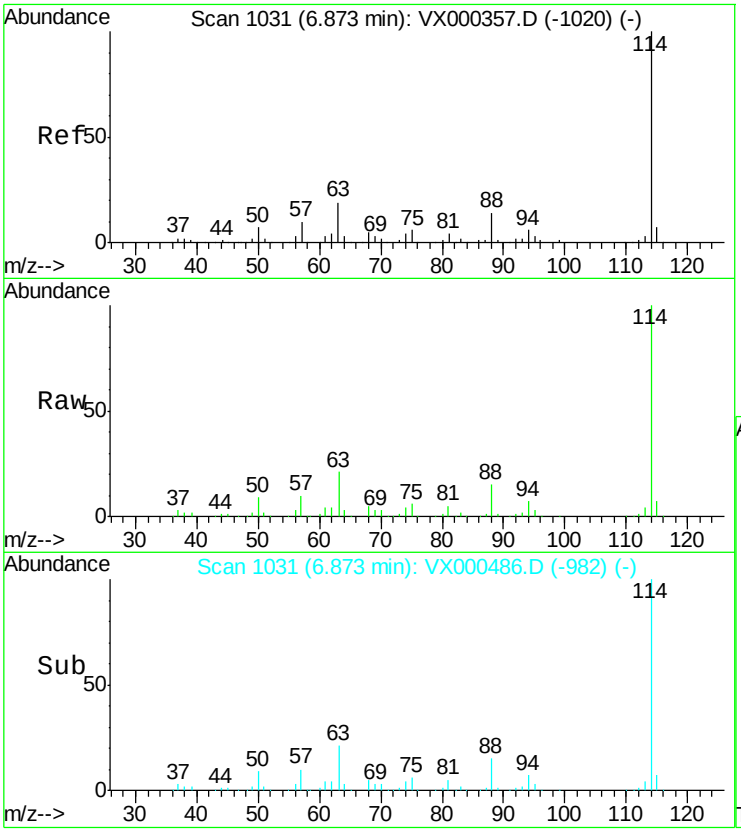




#33
1,2-Dichloroethane-d4
Concen: 55.86 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 65 Resp: 71938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 103.2 |



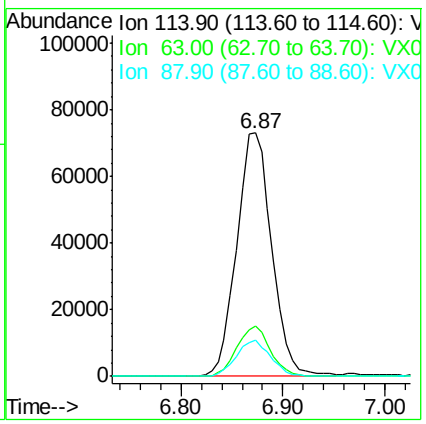


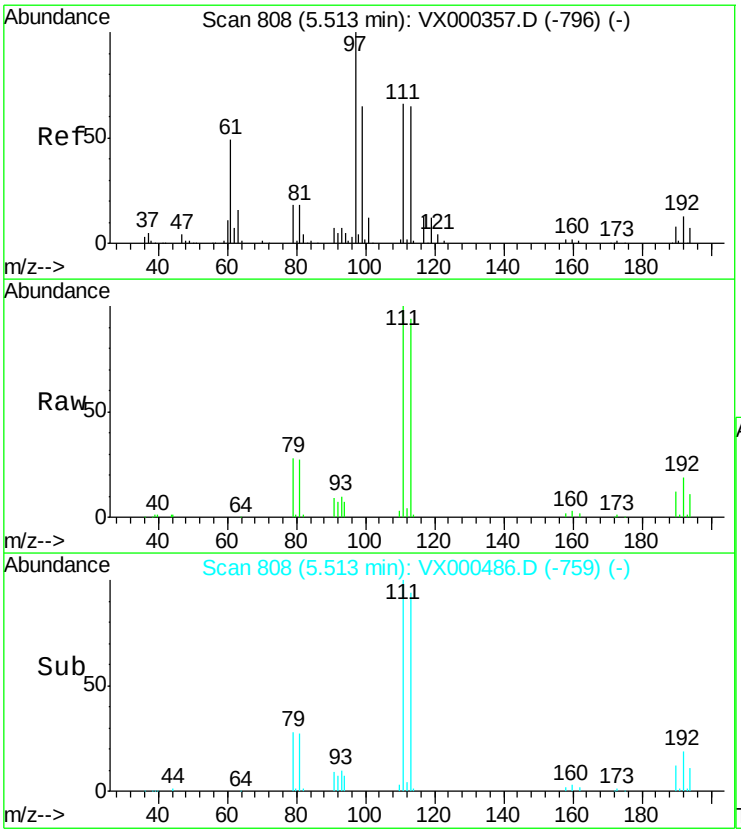

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion:114 Resp: 174652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 38.4 |
| 88 | 14.6 | 0.0 | 27.0 |

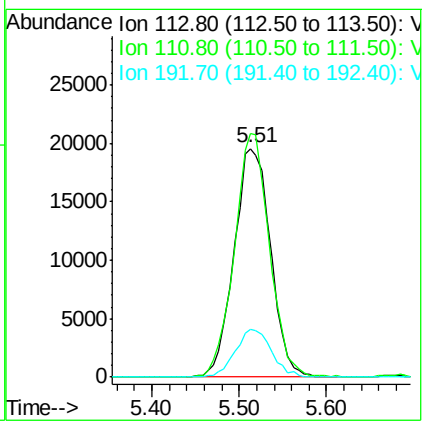


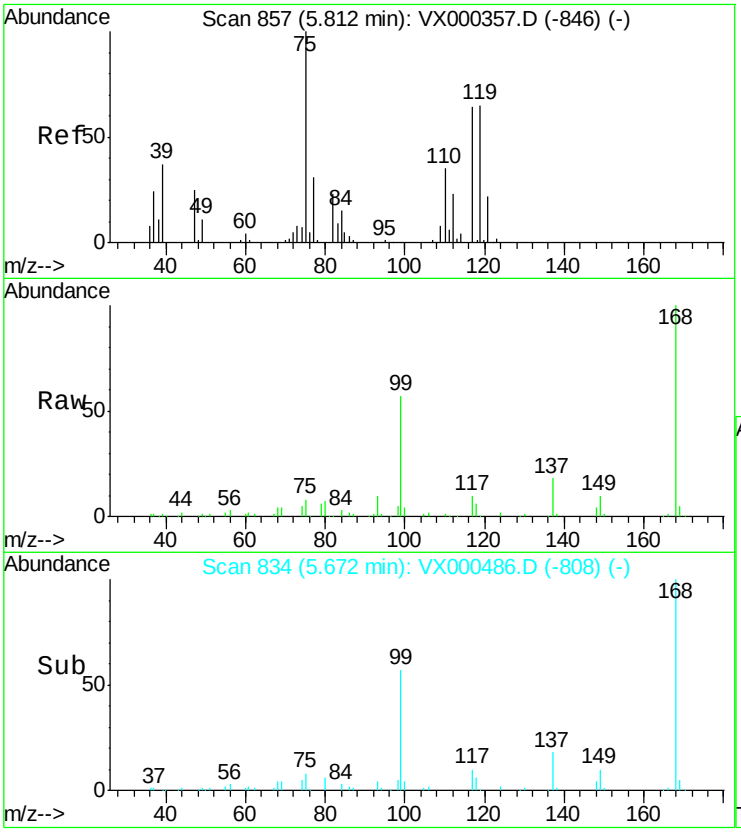




#35
Dibromofluoromethane
Concen: 51.42 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion:113 Resp: 56589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 82.4 | 123.6 |
| 192 | 20.7 | 15.8 | 23.6 |



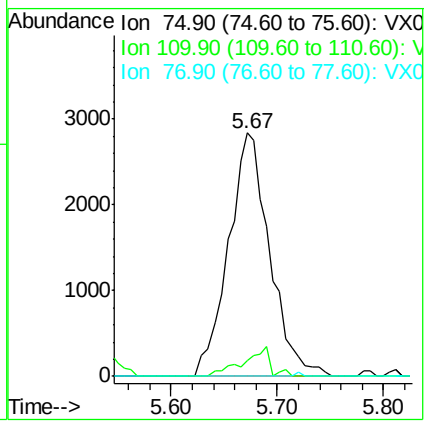


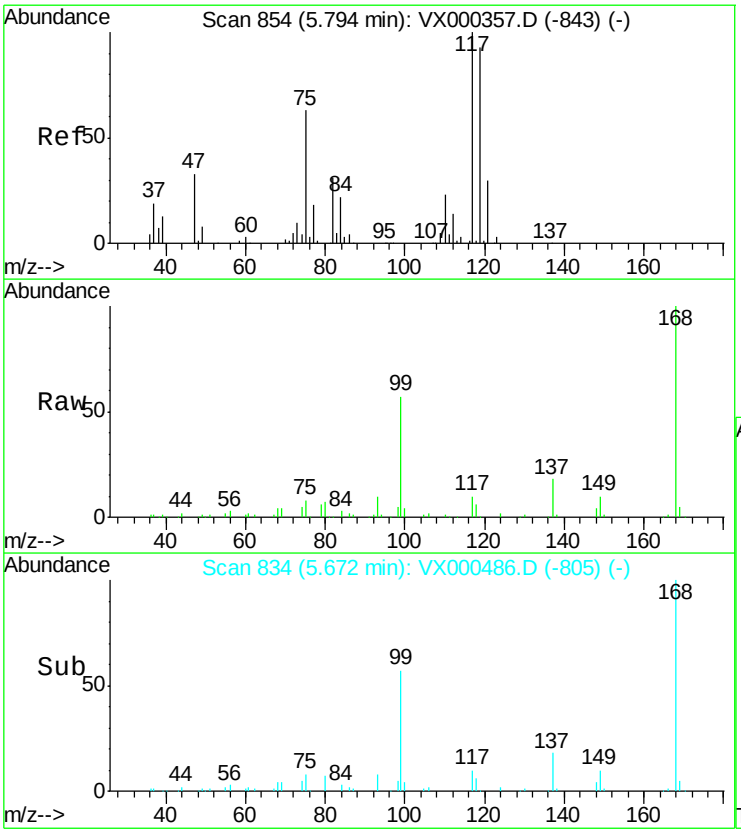

#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.14 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 75 Resp: 7684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.7 | 17.9 | 53.7# |
| 77 | 0.0 | 24.0 | 36.0# |

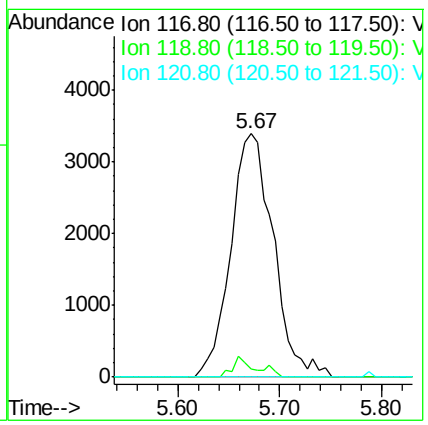


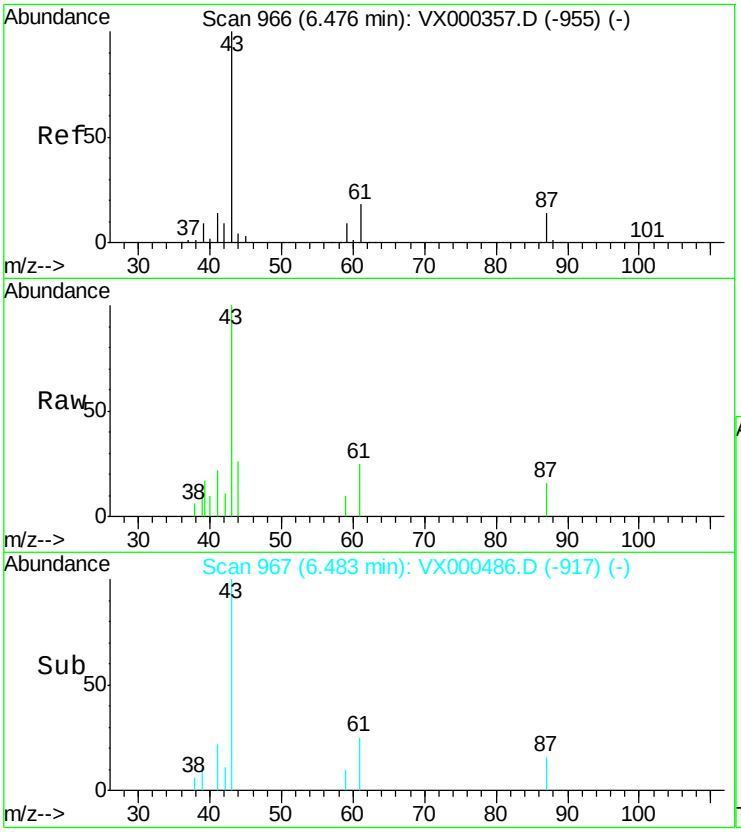




#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion:117 Resp: 9790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.3 | 77.4 | 116.2# |
| 121 | 0.0 | 24.8 | 37.2# |



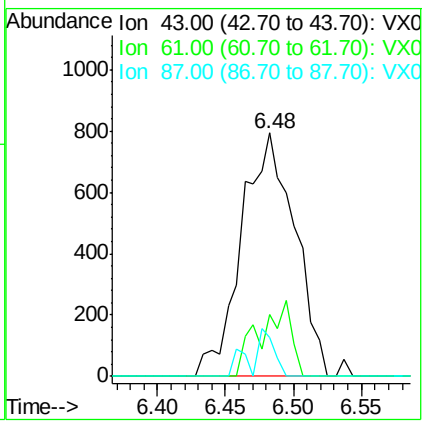


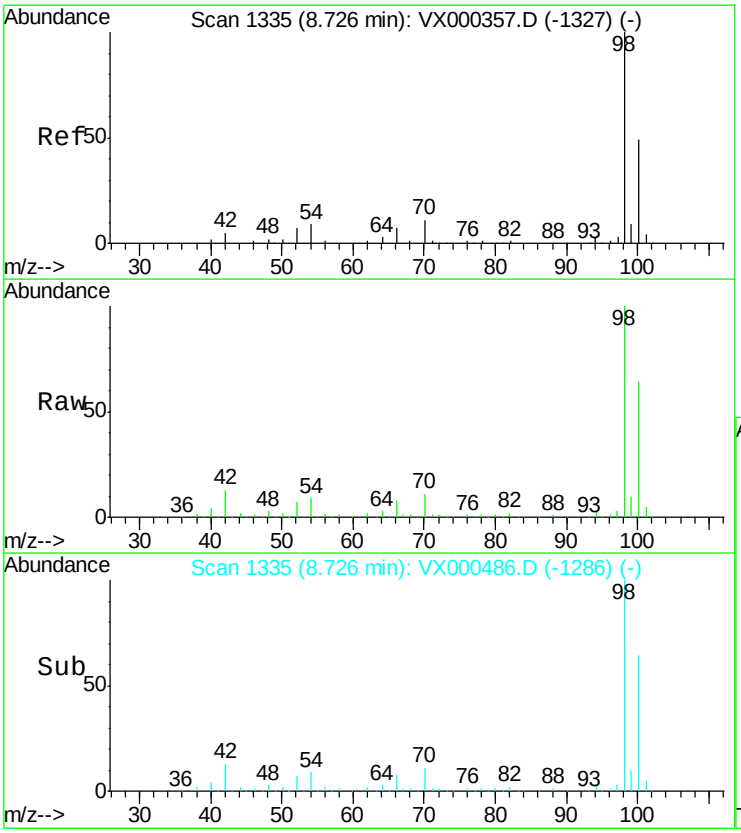

#43
Isopropyl Acetate
Concen: 0.65 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Tgt Ion: 43 Resp: 2171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 6.5 | 14.4 | 21.6# |
| 87 | 8.6 | 11.0 | 16.4# |

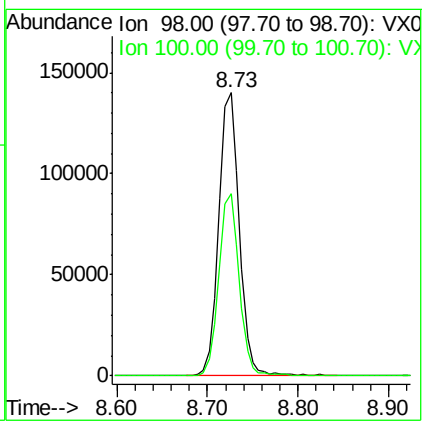


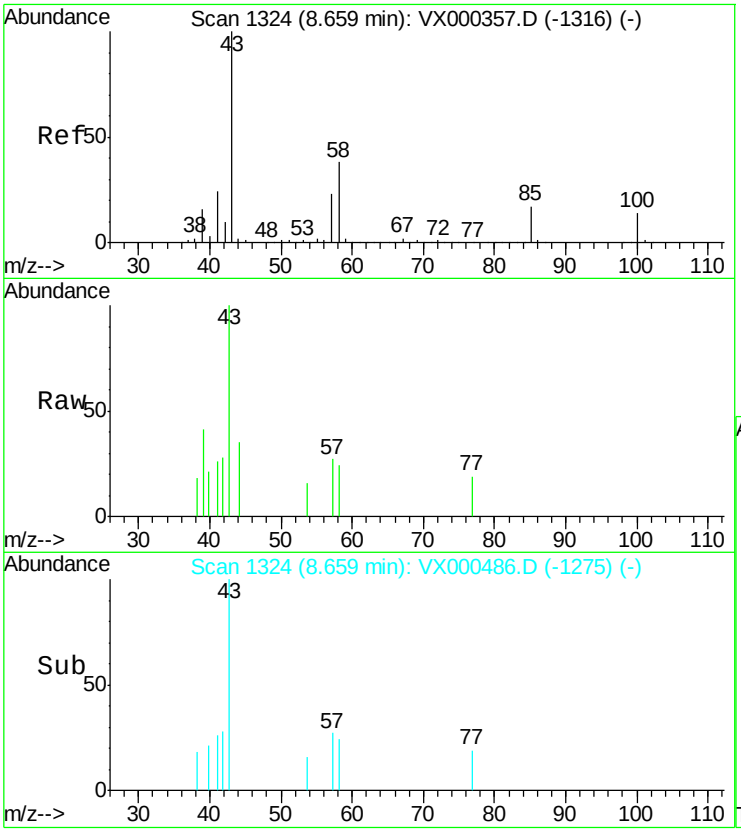




#50
Toluene-d8
Concen: 48.89 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 98 Resp: 222832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 51.2 | 76.8 |



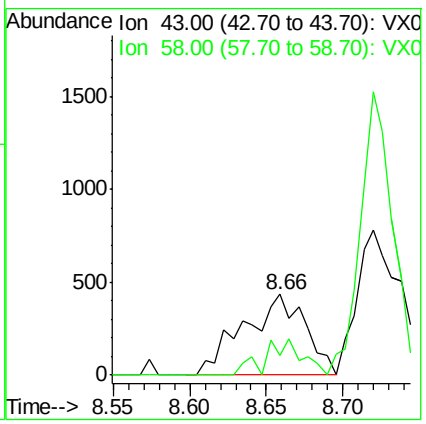


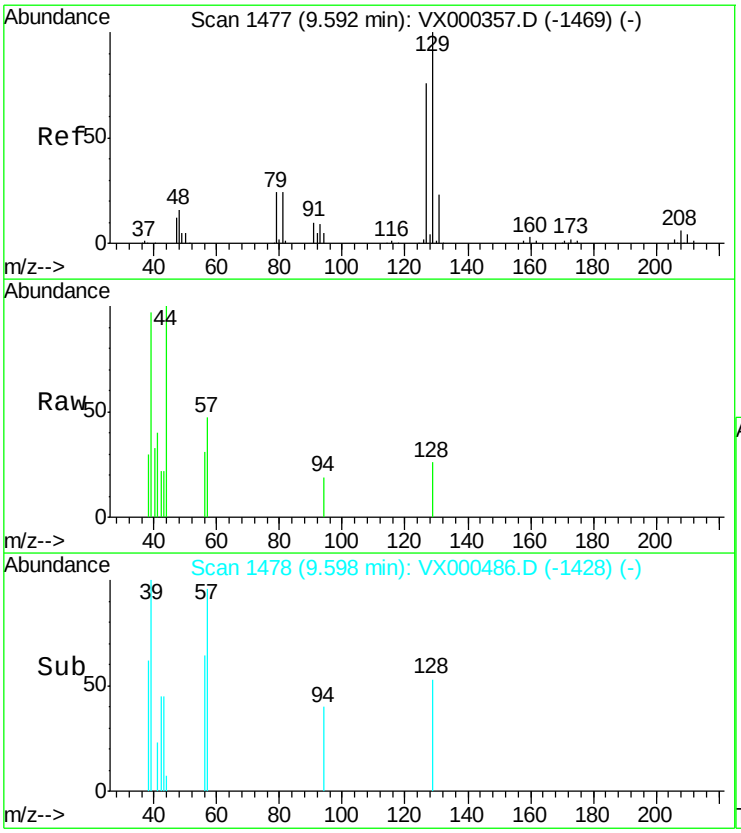

#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 43 Resp: 1215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 30.3 | 45.5# |

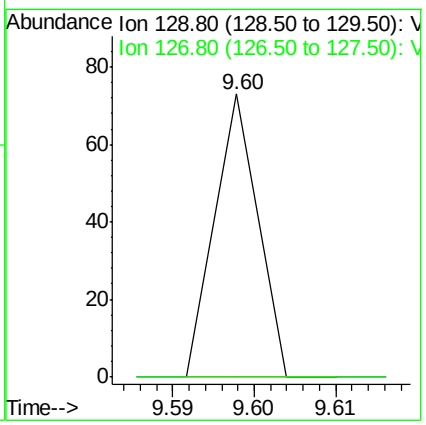


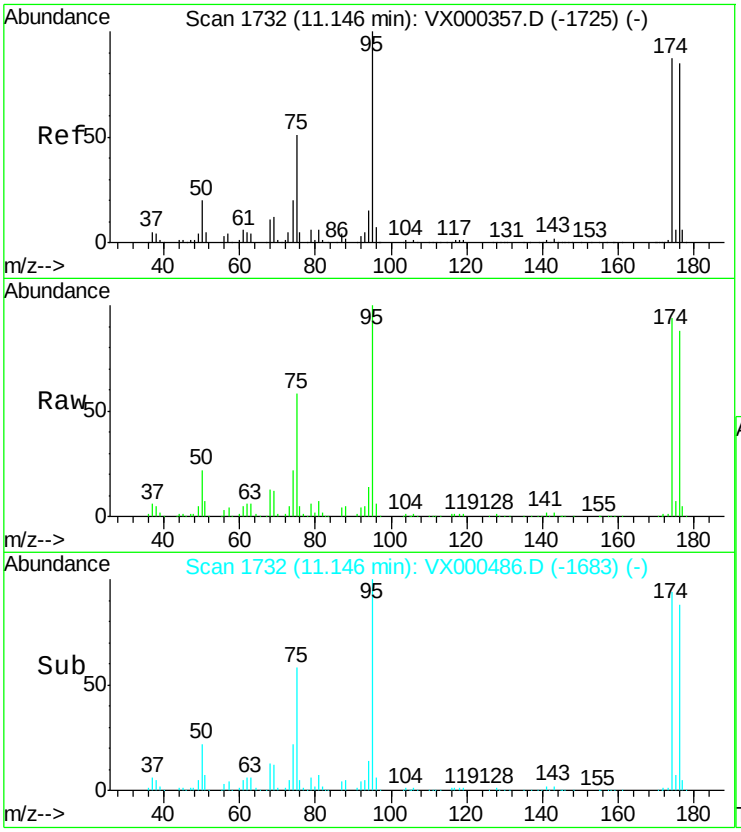




#60
Dibromochloromethane
Concen: 4.13 ug/l
RT: 9.60 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion:129 Resp: 27

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 37.9 | 113.6# |



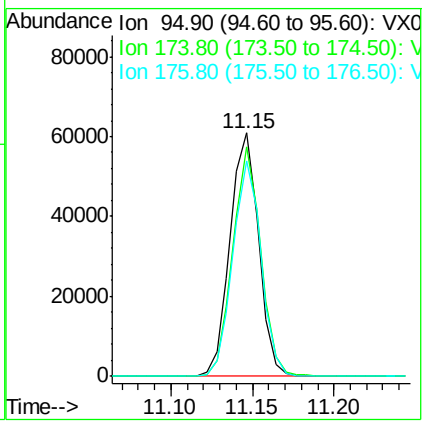


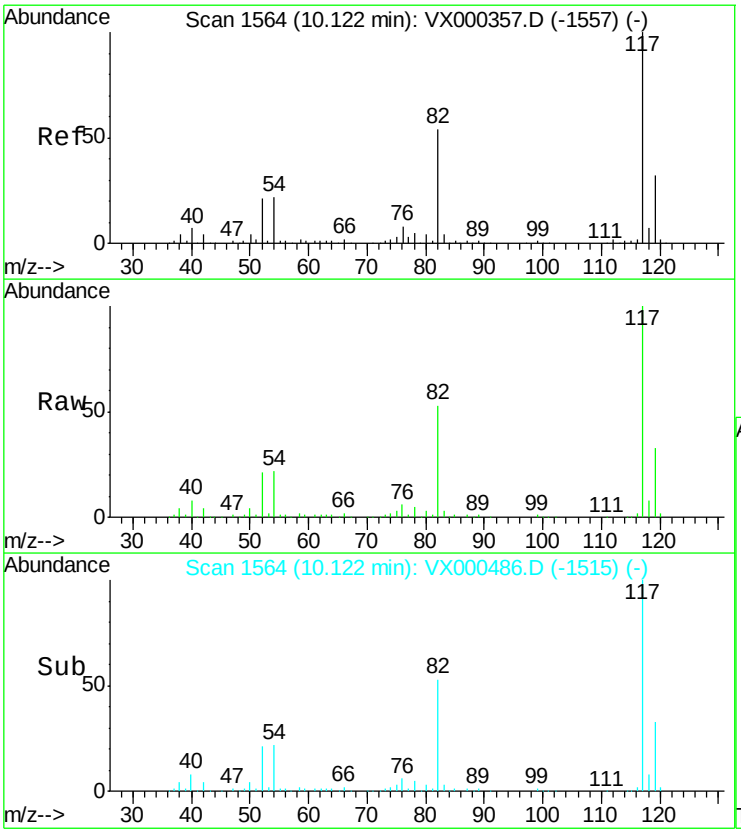

#62
4-Bromofluorobenzene
Concen: 39.95 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 95 Resp: 74216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.0 | 0.0 | 173.6 |
| 176 | 87.7 | 0.0 | 164.6 |

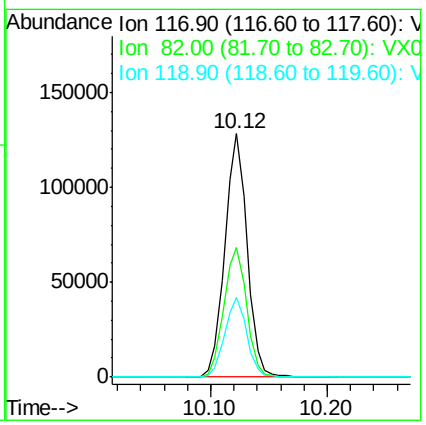


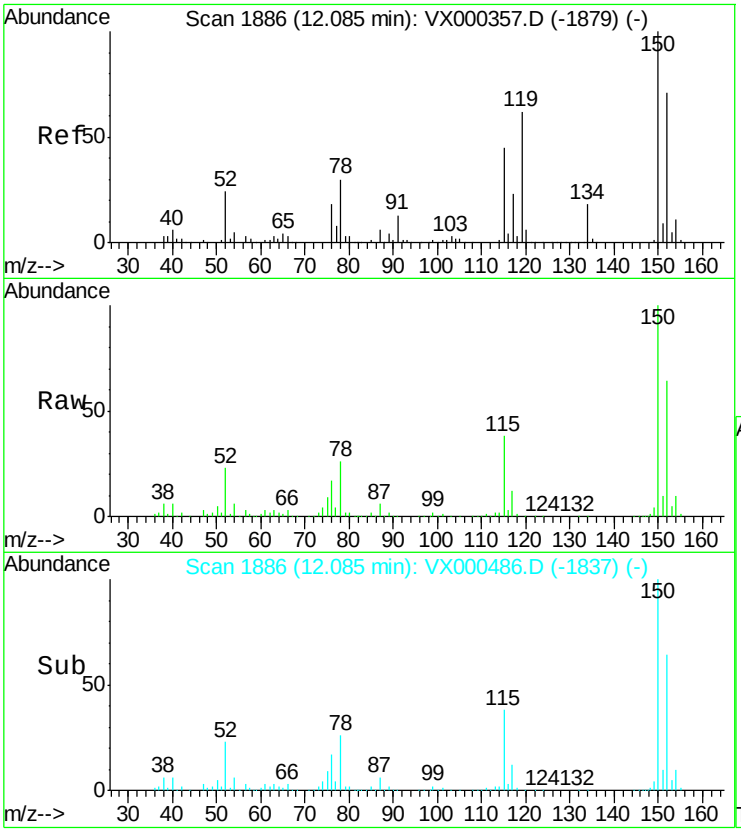




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion:117 Resp: 169955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.2 | 43.8 | 65.8 |
| 119 | 32.9 | 24.9 | 37.3 |



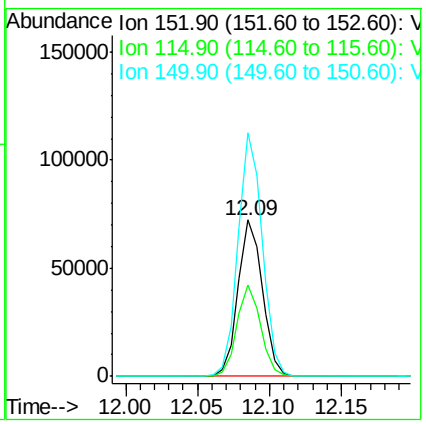


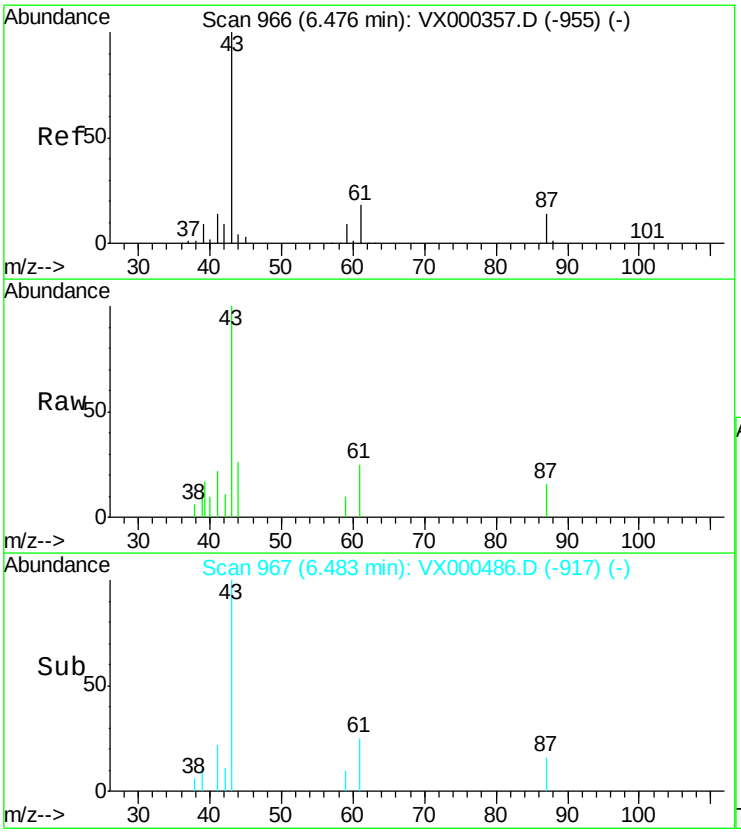

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :** MSVOA_X
**ClientSampleId :** CL-02-032718-B

Tgt Ion:152 Resp: 85429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 39.8 | 119.3 |
| 150 | 154.0 | 0.0 | 344.4 |

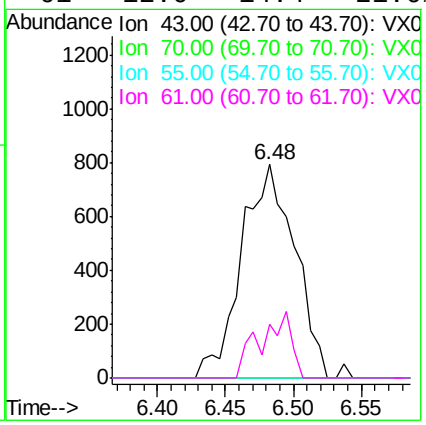


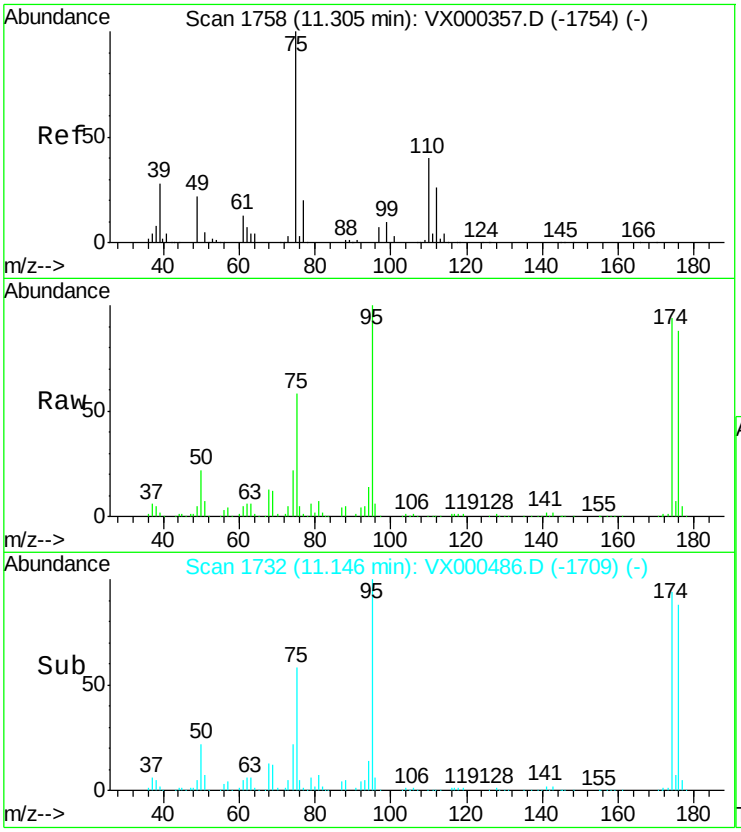




#74
N-amyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 43 Resp: 2171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 0.0 | 0.0 |
| 55 | 0.0 | 0.0 | 0.0 |
| 61 | 12.0 | 14.4 | 21.6# |



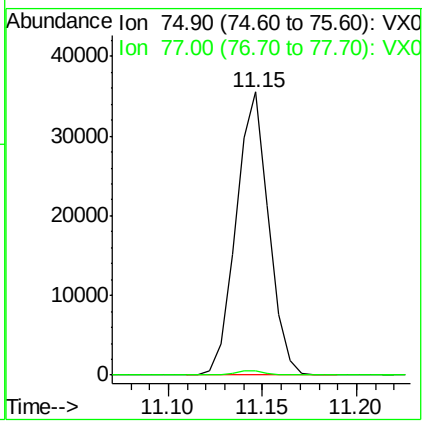


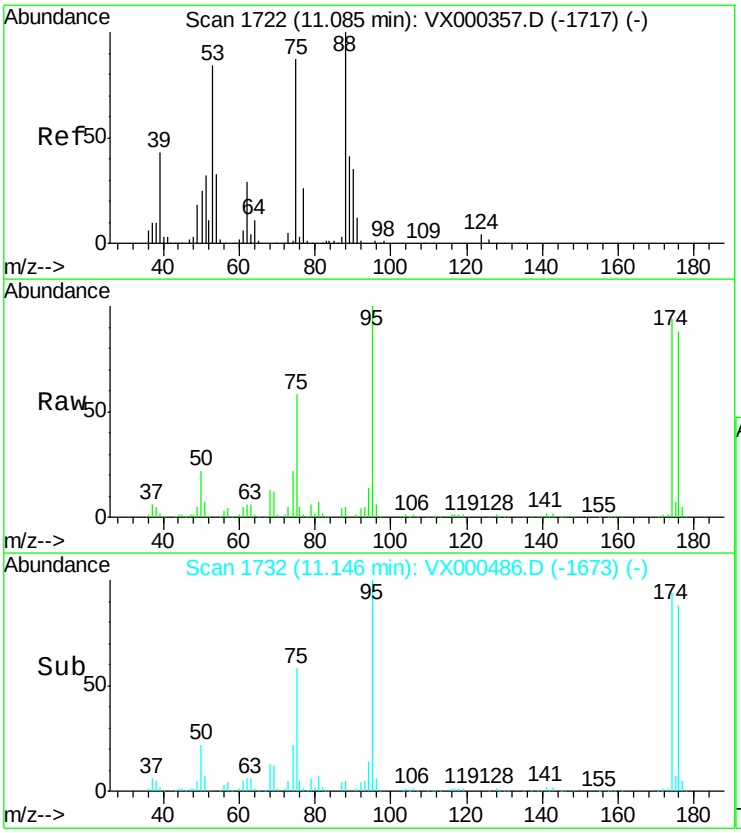

#76
1,2,3-Trichloropropane
Concen: 23.08 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion: 75 Resp: 42371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 21.4 | 64.2# |

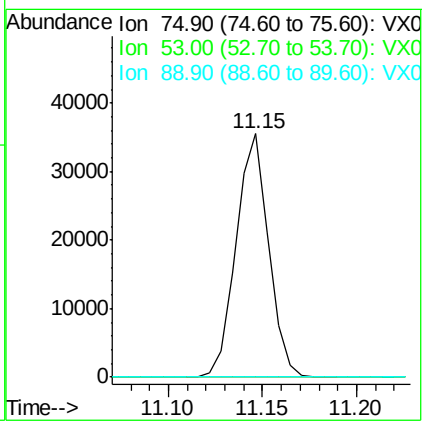


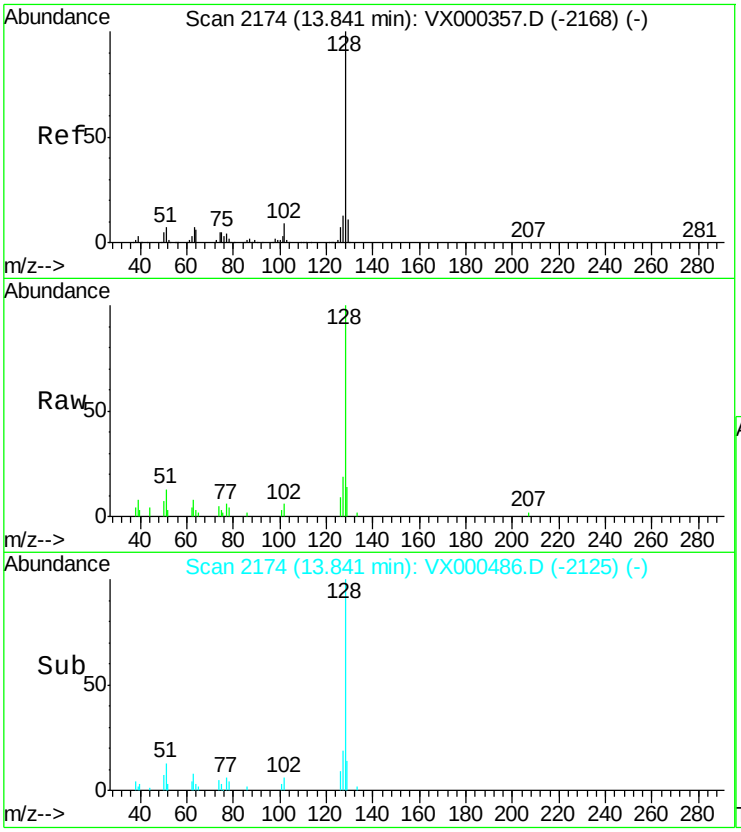




#81
trans-1,4-Dichloro-2-butene
Concen: 74.72 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

Tgt Ion: 75 Resp: 42371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.7 | 121.1# |
| 89 | 0.0 | 39.4 | 59.0# |






#95
Naphthalene
Concen: 0.57 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000486.D
Acq: 28 Mar 2018 14:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
CL-02-032718-B

Tgt Ion:128 Resp: 3984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 10.6 | 15.8 |
| 129 | 15.3 | 8.9 | 13.3# |