Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033118\
Data File : VX000591.D
Acq On : 31 Mar 2018 14:28
Operator : JC/MD
Sample : J2142-08 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :**

Quant Time: Apr 02 05:16:55 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 | 5.67 | 168 | 128255 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 218183 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 216692 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 114228 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.08 | 65 | 86654 | 51.76 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.52% | | | |
| 35) Dibromofluoromethane | 5.52 | 113 | 65620 | 47.73 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.46% | | | |
| 50) Toluene-d8 | 8.73 | 98 | 271414 | 47.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.34% | | | |
| 62) 4-Bromofluorobenzene | 11.15 | 95 | 97502 | 41.70 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 83.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.65 | 94 | 463 | 0.292 | ug/l # | 42 |
| 6) Chloroethane | 1.73 | 64 | 210 | Below Cal | # | 44 |
| 10) Methyl Iodide | 2.53 | 142 | 372 | 4.493 | ug/l # | 57 |
| 11) Tert butyl alcohol | 3.07 | 59 | 290 | 0.504 | ug/l # | 72 |
| 13) Acrolein | 2.30 | 56 | 131 | 15.249 | ug/l # | 66 |
| 14) Allyl chloride | 2.71 | 41 | 86 | Below Cal | # | 53 |
| 16) Acetone | 2.45 | 43 | 6347 | 4.557 | ug/l | 93 |
| 20) Methylene Chloride | 2.87 | 84 | 1592 | 0.990 | ug/l # | 78 |
| 25) 2-Butanone | 4.73 | 43 | 969 | 0.619 | ug/l # | 49 |
| 31) Cyclohexane | 5.67 | 56 | 3309 | 1.567 | ug/l # | 49 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 10187 | 4.984 | ug/l # | 51 |
| 37) Ethyl Acetate | 4.73 | 43 | 969 | 0.347 | ug/l # | 69 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 13045 | 6.084 | ug/l # | 16 |
| 43) Isopropyl Acetate | 6.47 | 43 | 1358 | 0.327 | ug/l # | 65 |
| 74) N-amyl acetate | 6.47 | 43 | 1358 | Below Cal | # | 64 |
| 76) 1,2,3-Trichloropropane | 11.15 | 75 | 56817 | 23.144 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75 | 56817 | 74.932 | ug/l # | 9 |
| 95) Naphthalene | 13.84 | 128 | 22746 | 2.437 | ug/l | 100 |

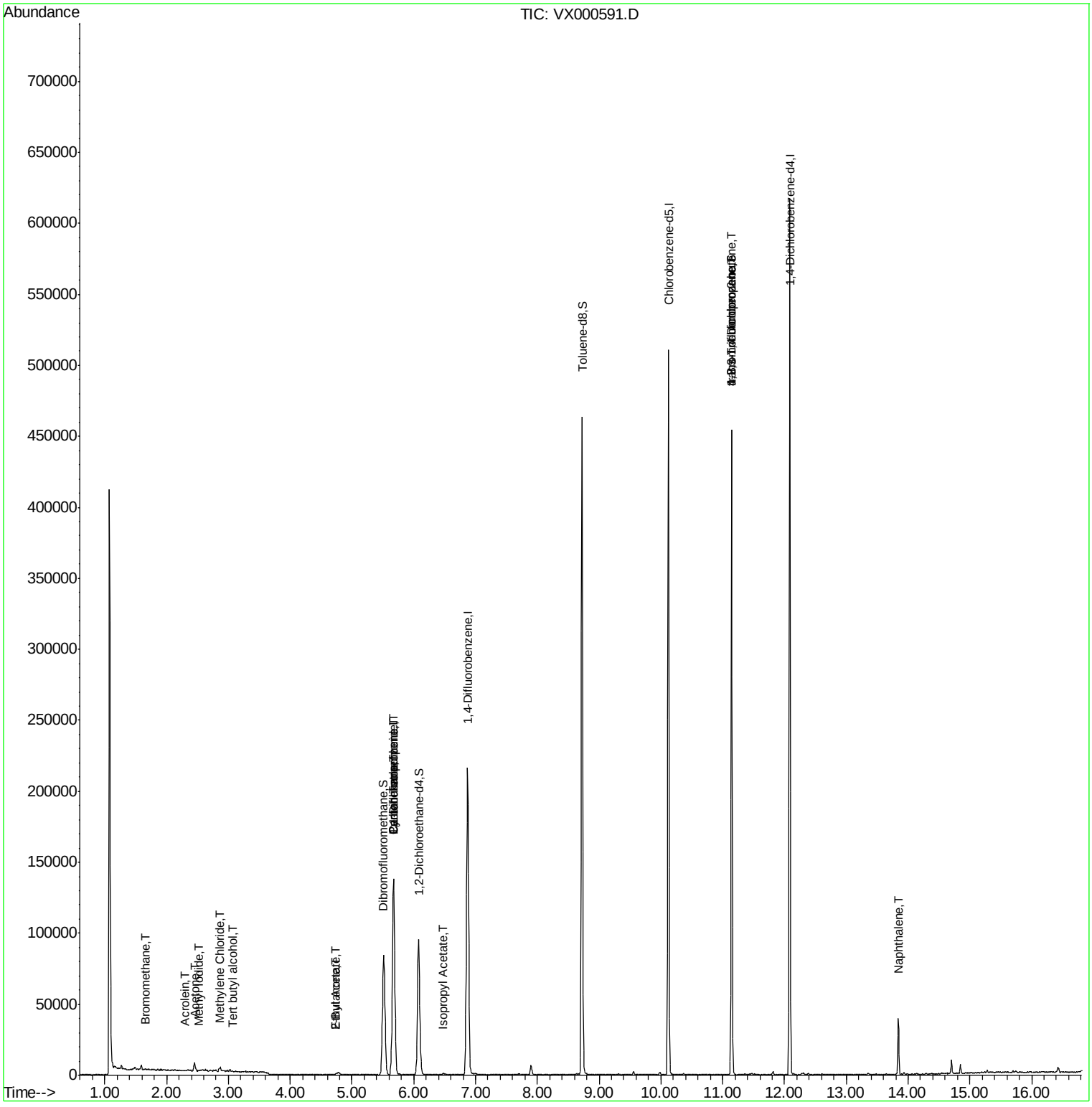
(#) = qualifier out of range (m) = manual integration (+) = signals summed

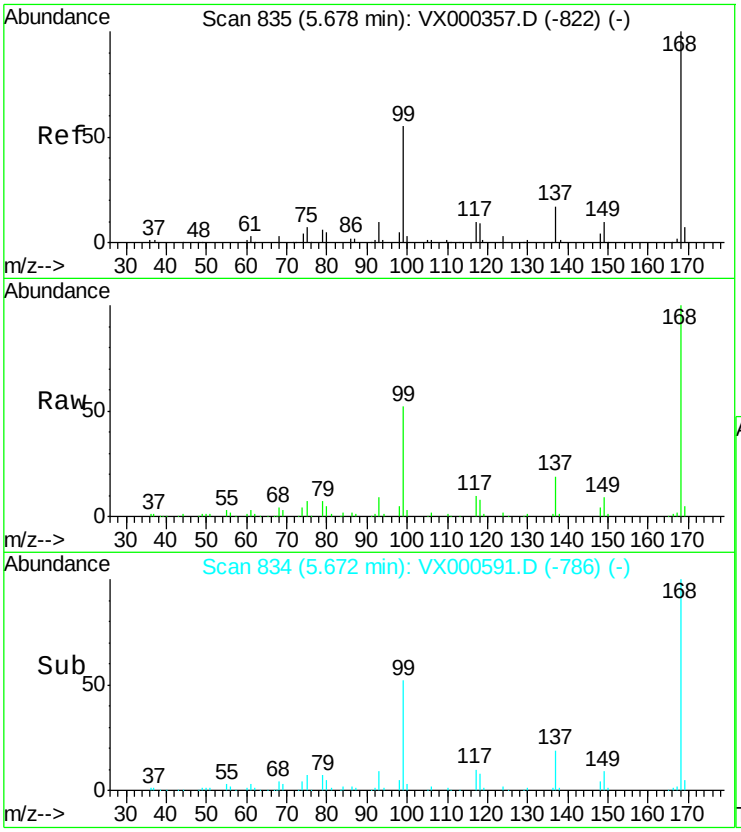
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033118\
Data File : VX000591.D
Acq On : 31 Mar 2018 14:28
Operator : JC/MD
Sample : J2142-08 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Apr 02 05:16:55 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



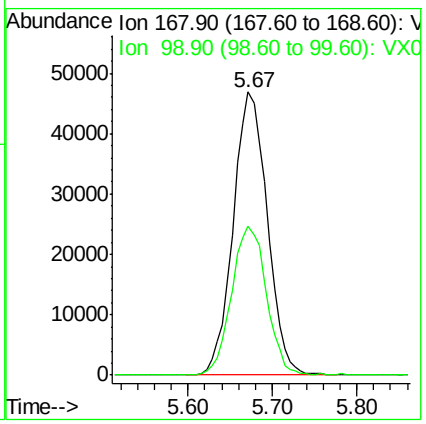


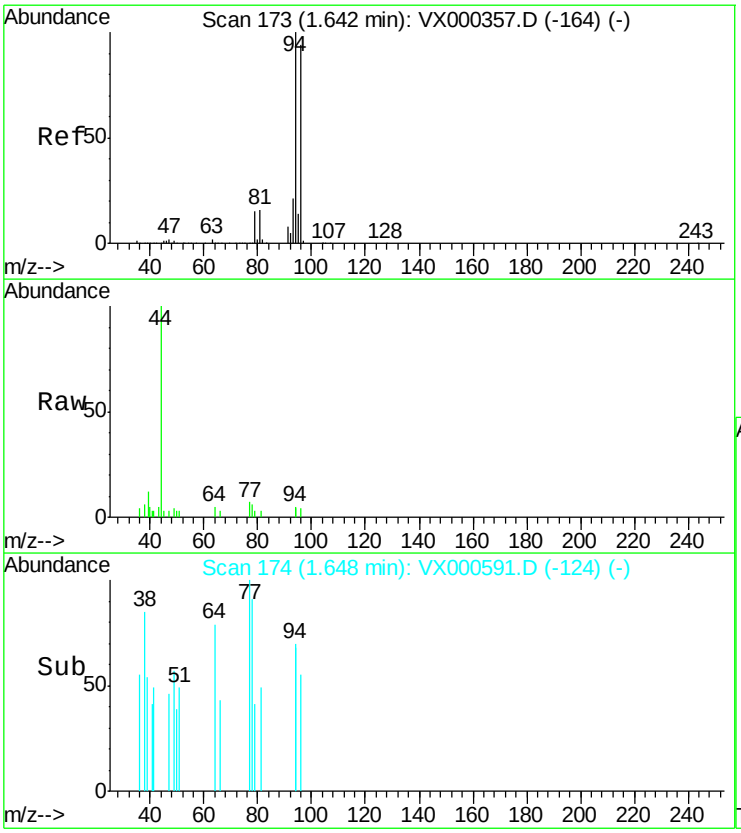

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:168 Resp: 128255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.5 | 45.8 | 68.6 |

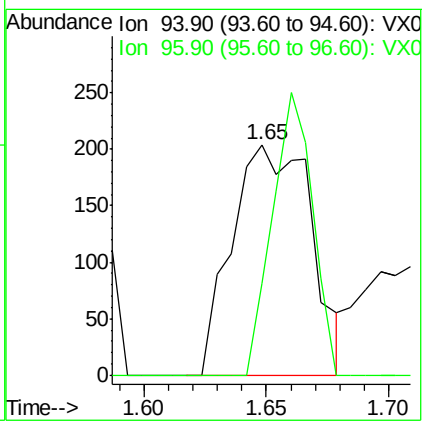


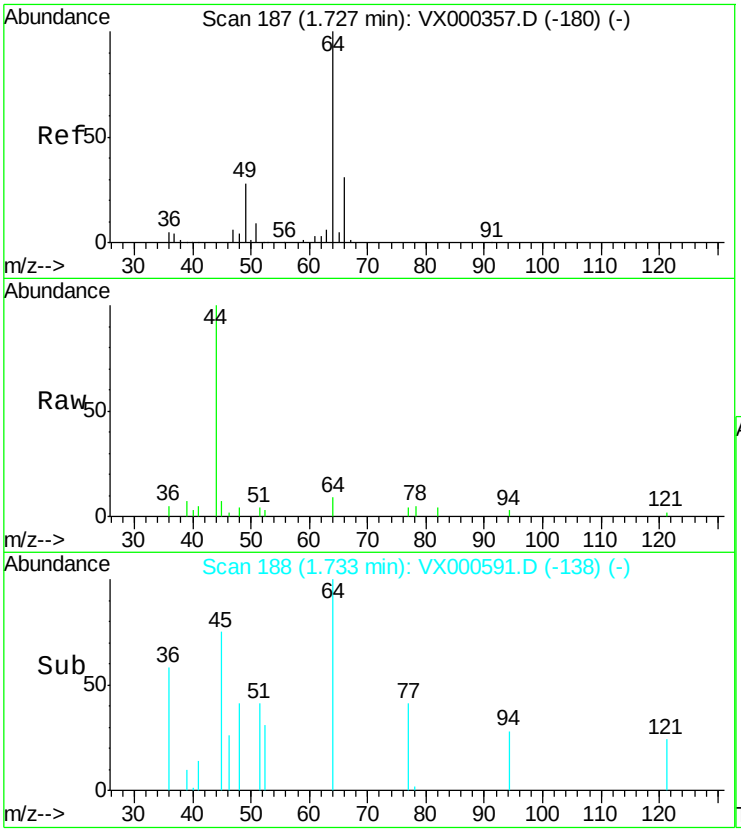




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 94 Resp: 463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 40.2 | 77.7 | 116.5# |



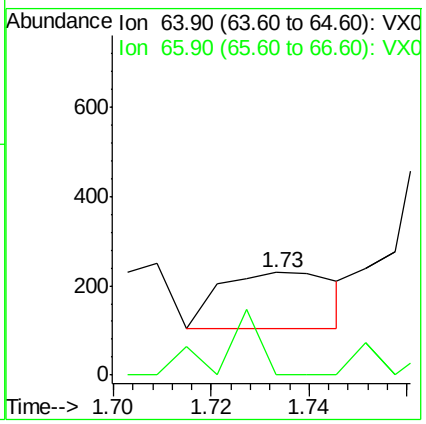


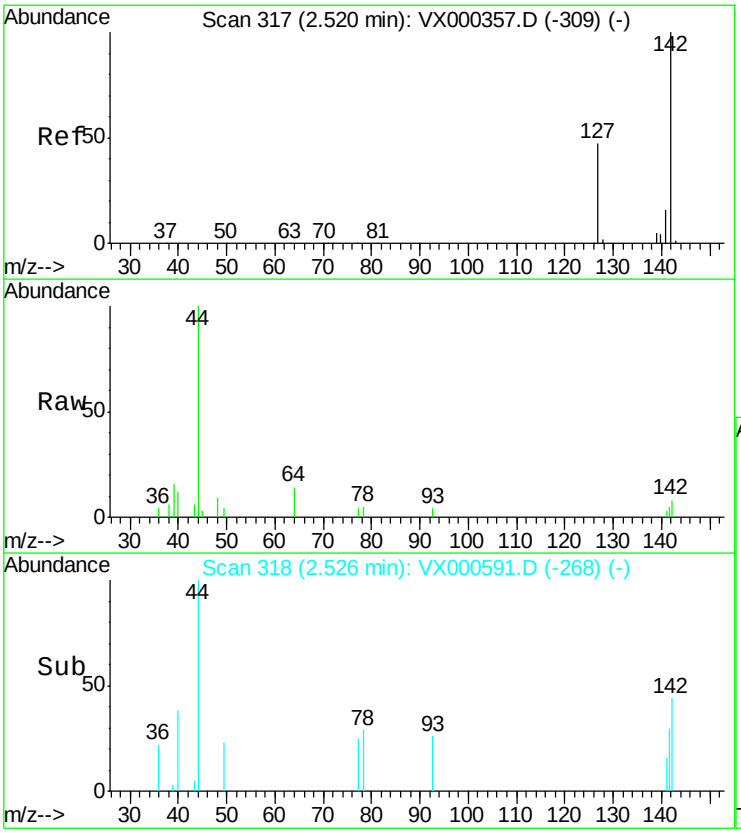

#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 64 Resp: 210

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

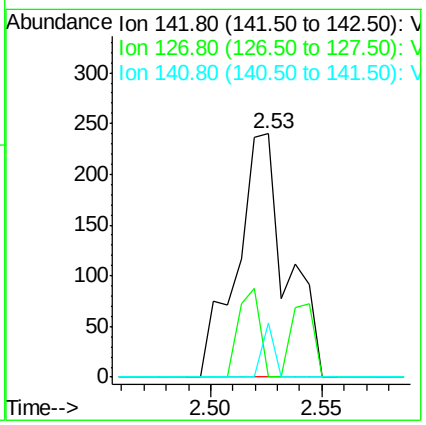


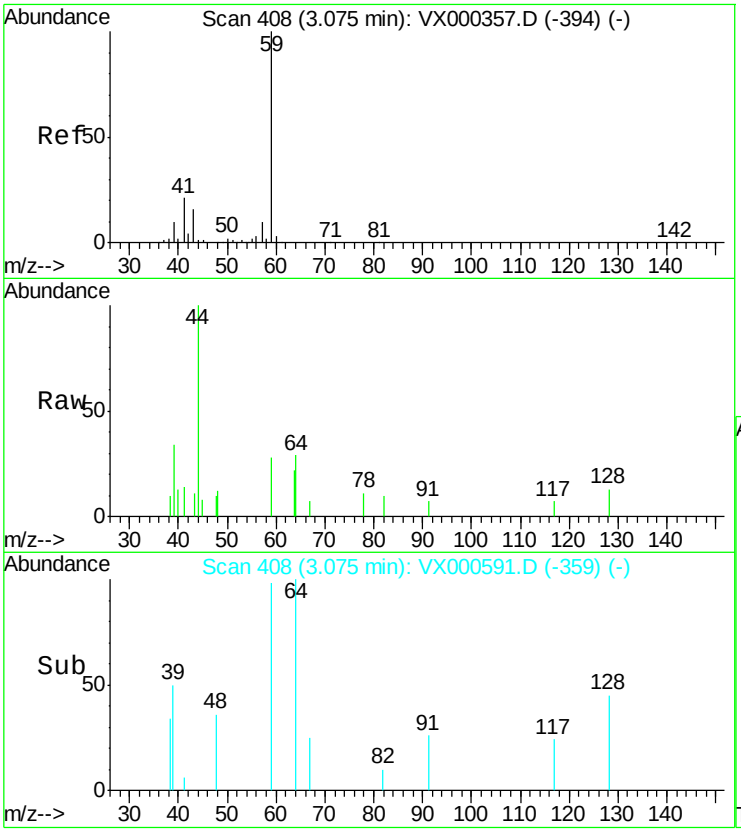




#10
Methyl Iodide
Concen: 4.493 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion:142 Resp: 372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 15.6 | 39.2 | 58.8# |
| 141 | 5.1 | 11.7 | 17.5# |



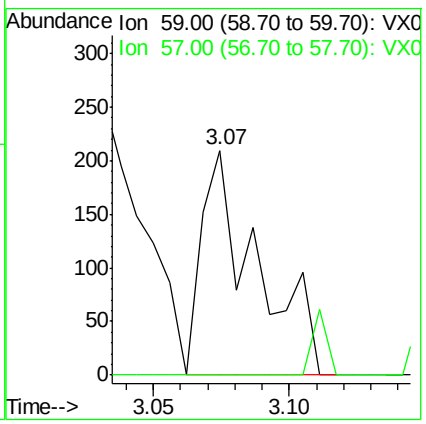


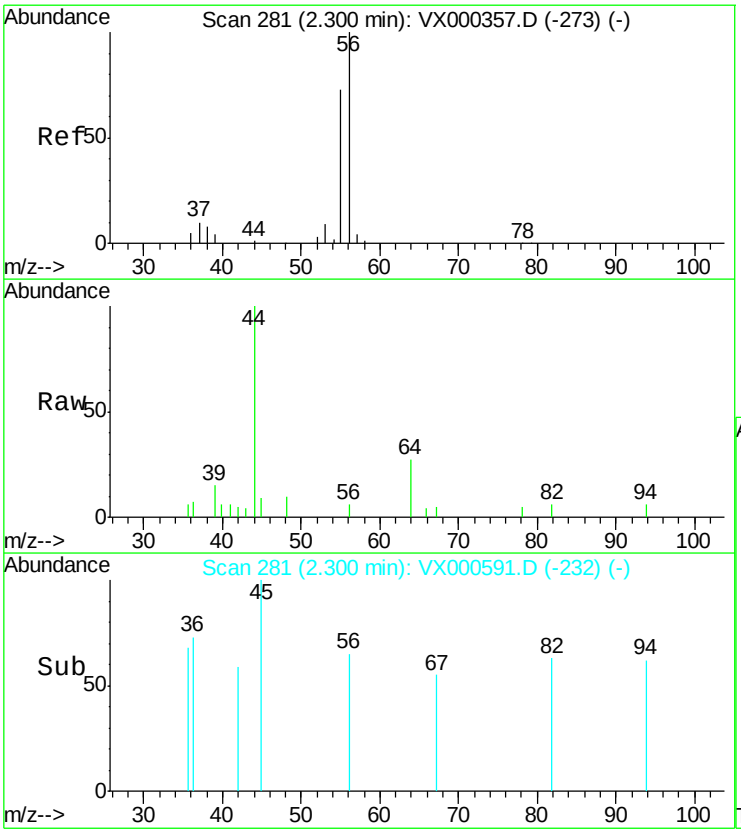

#11
Tert butyl alcohol
Concen: 0.504 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 59 Resp: 290

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

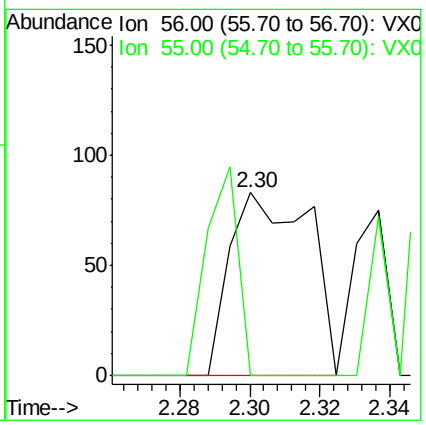


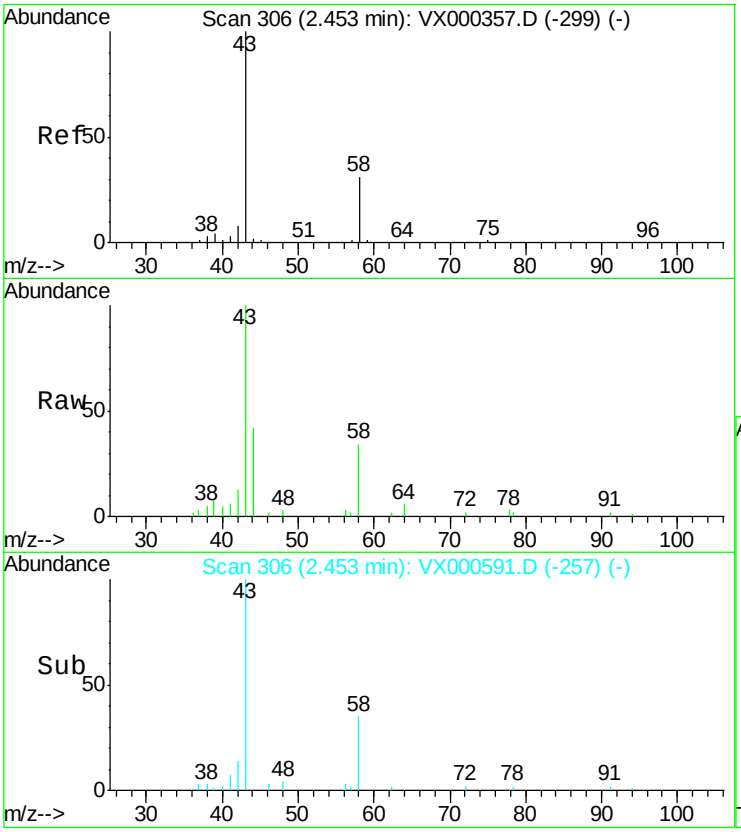




#13
Acrolein
Concen: 15.249 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 56 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 45.0 | 58.8 | 88.2# |



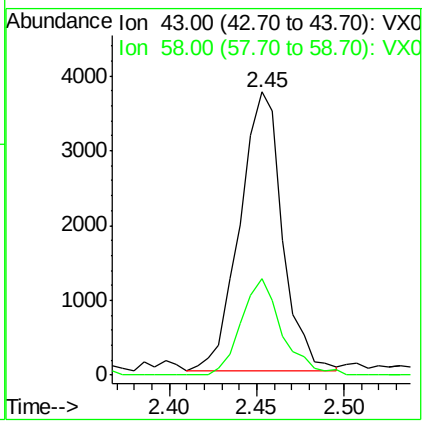


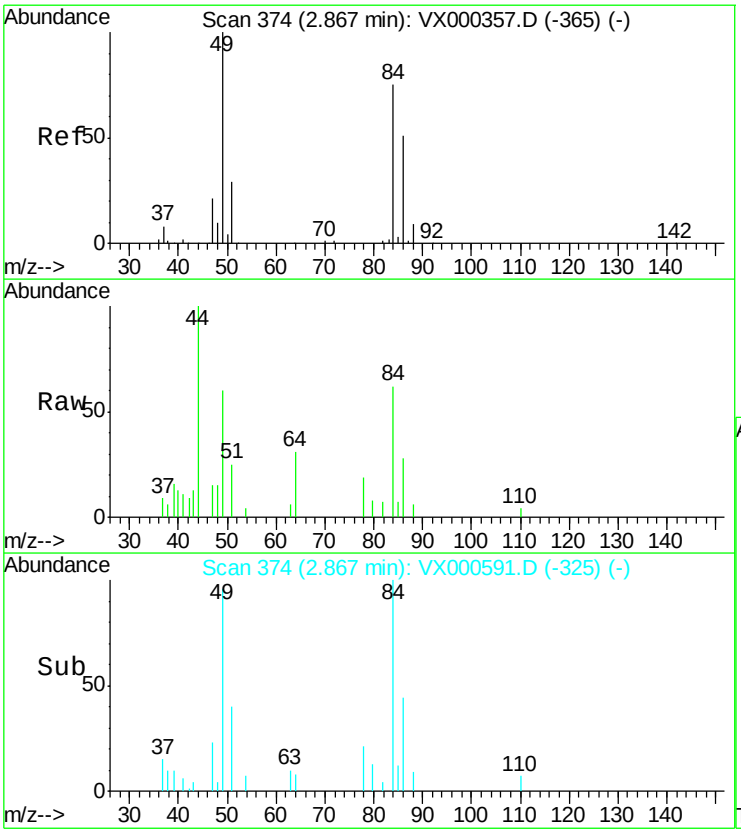

#16
Acetone
Concen: 4.557 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 6347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.6 | 24.7 | 37.1 |

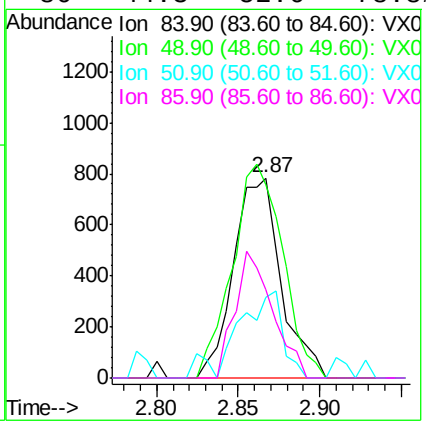


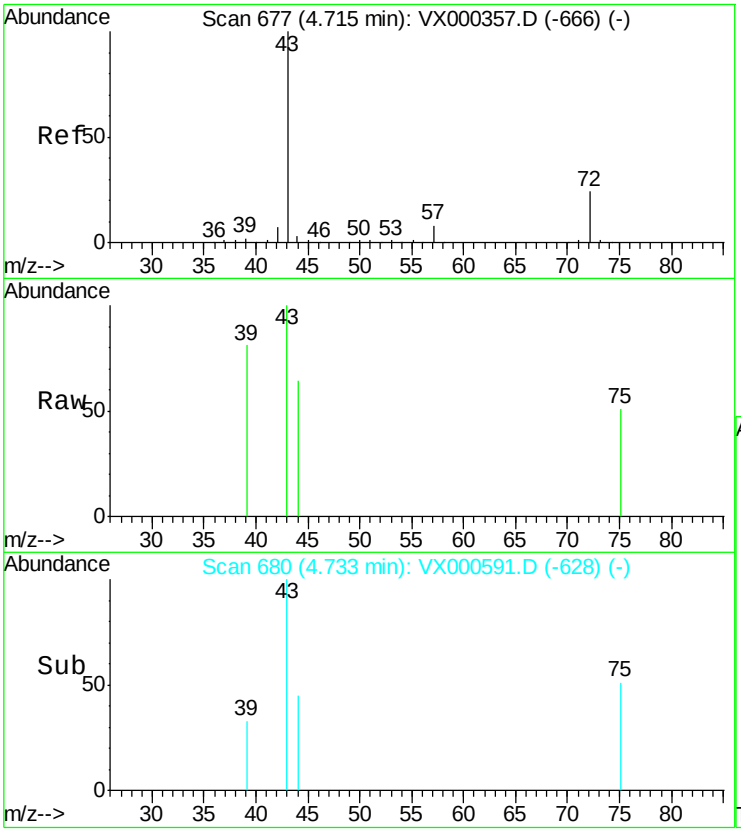




#20
Methylene Chloride
Concen: 0.990 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 84 Resp: 1592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 96.2 | 100.6 | 151.0# |
| 51 | 40.3 | 31.6 | 47.4 |
| 86 | 44.3 | 52.6 | 78.8# |



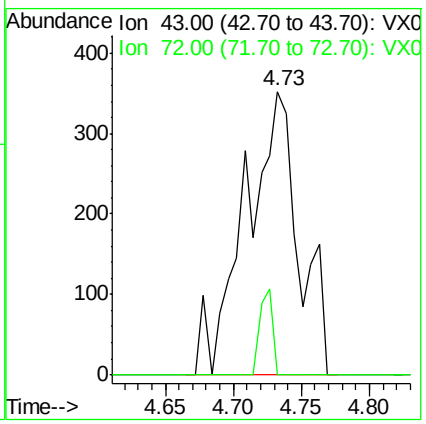


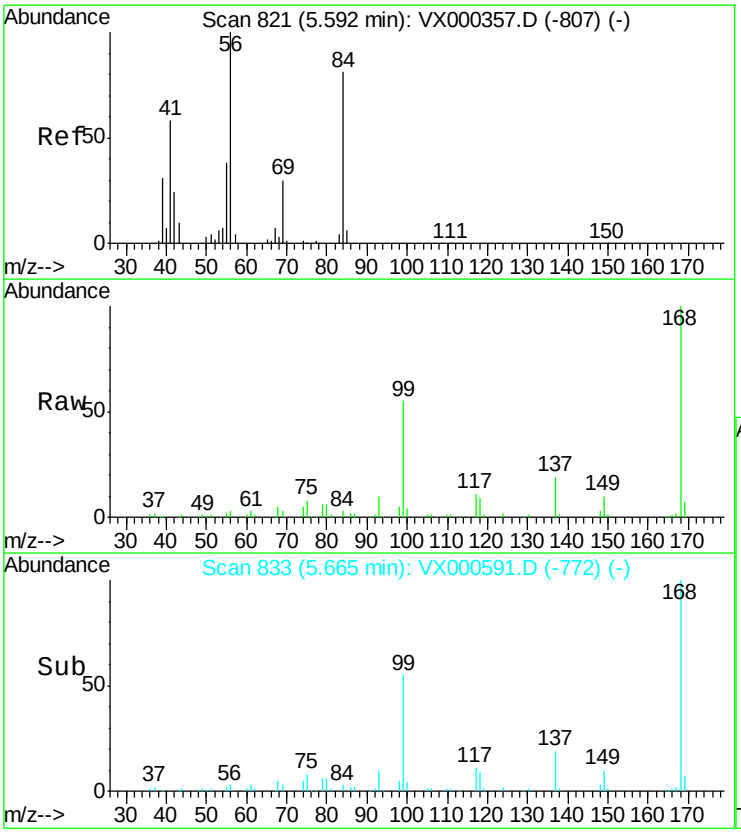

#25
2-Butanone
Concen: 0.619 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :** MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 21.0 | 31.6# |

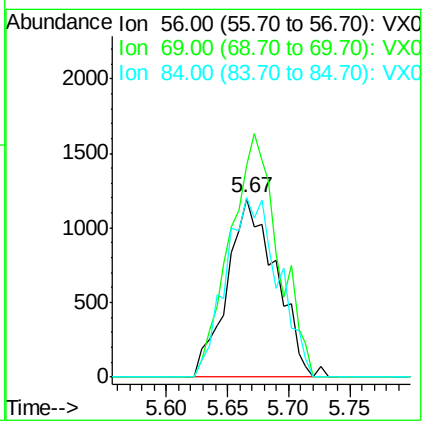


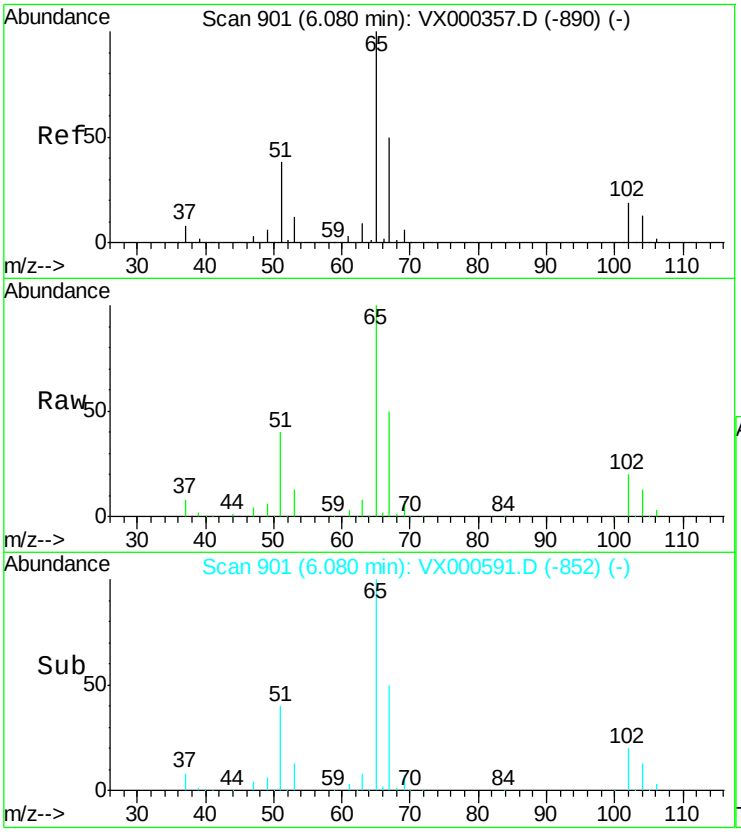




#31
Cyclohexane
Concen: 1.567 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 56 Resp: 3309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 118.9 | 23.4 | 35.0# |
| 84 | 101.0 | 71.0 | 106.4 |



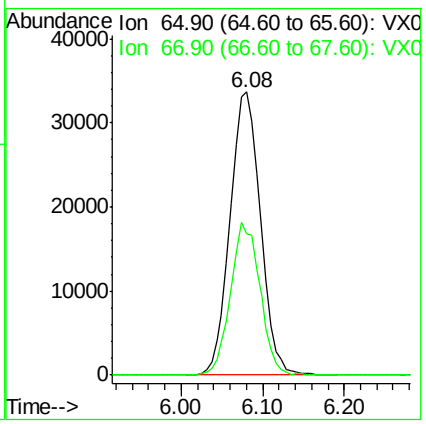


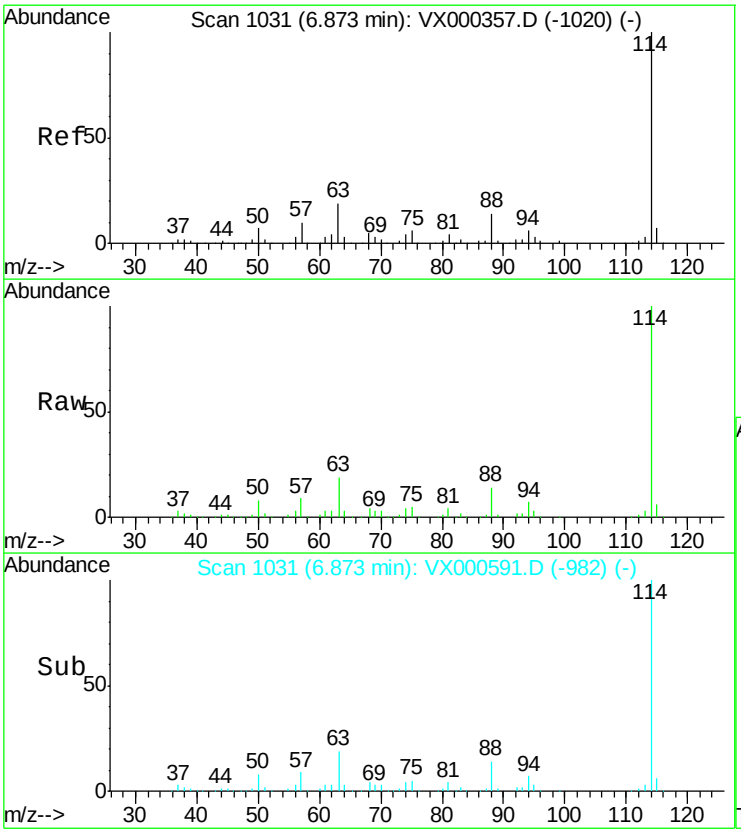

#33
1,2-Dichloroethane-d4
Concen: 51.759 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 65 Resp: 86654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 103.2 |

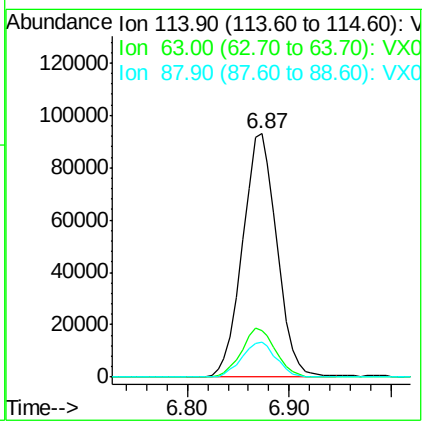


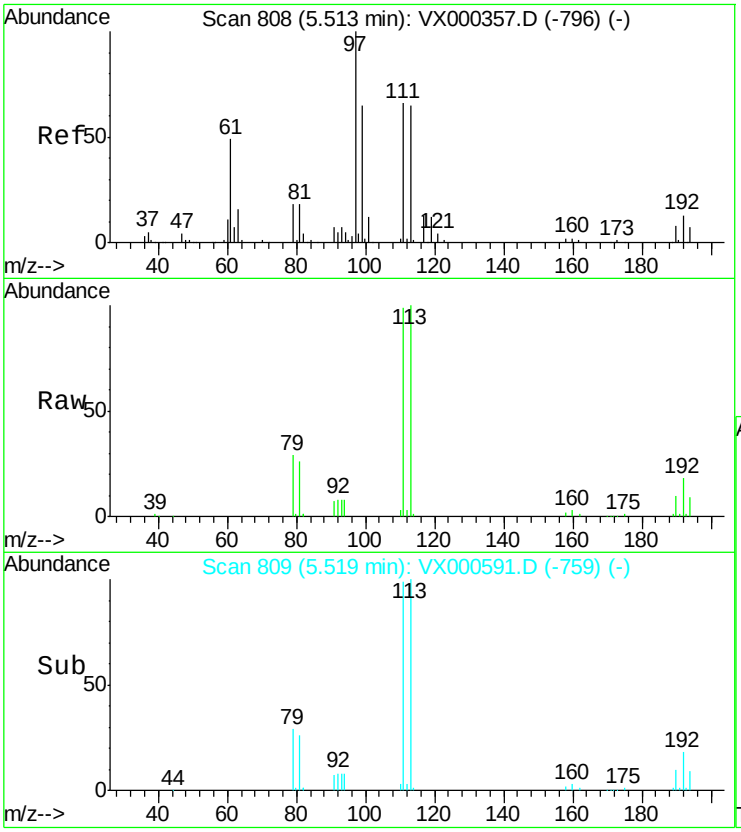




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion:114 Resp: 218183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.8 | 0.0 | 38.4 |
| 88 | 14.2 | 0.0 | 27.0 |



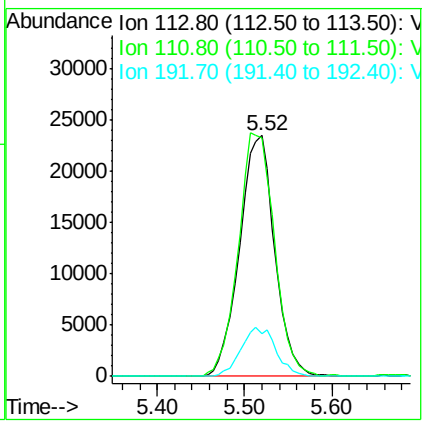


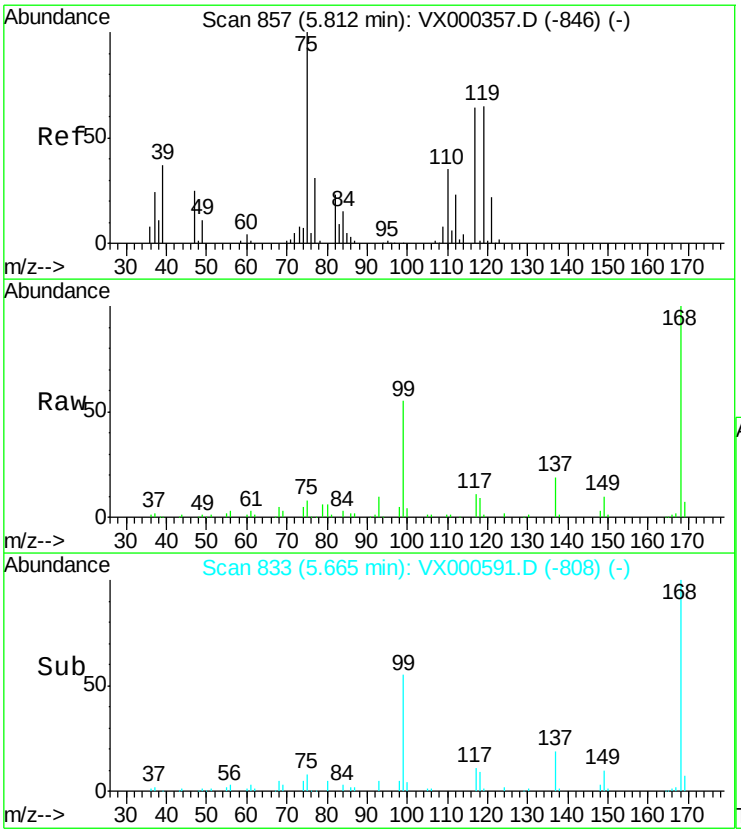

#35
Dibromofluoromethane
Concen: 47.733 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:113 Resp: 65620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 82.4 | 123.6 |
| 192 | 20.2 | 15.8 | 23.6 |

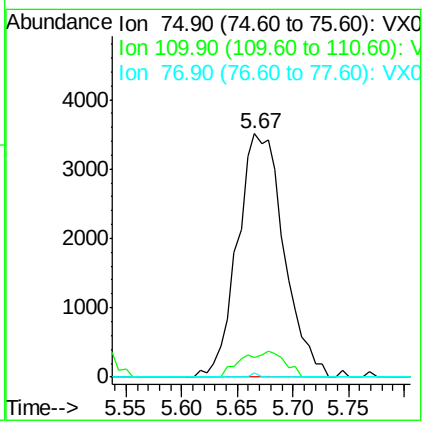


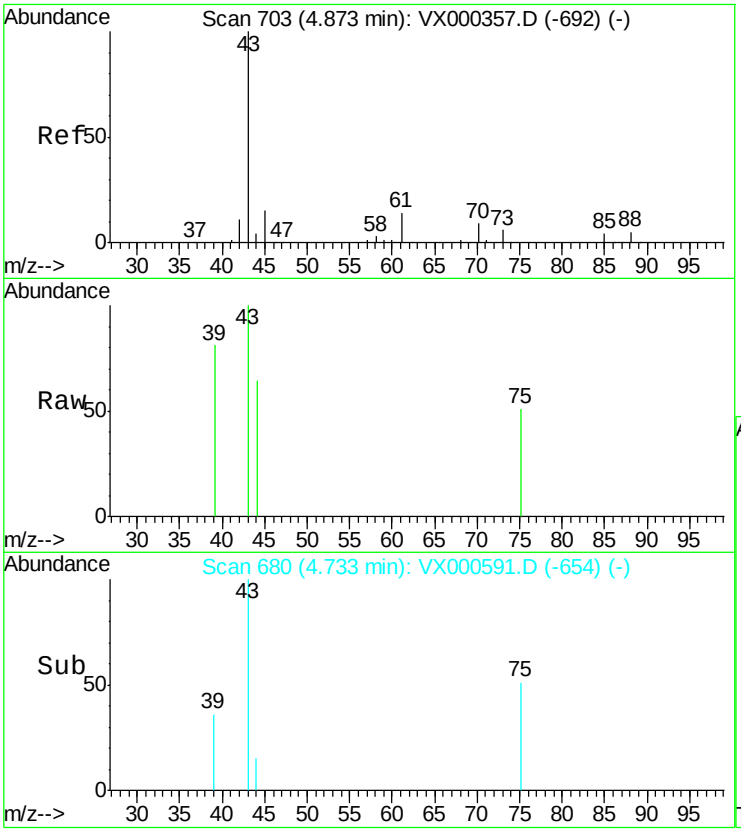




#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.15 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 75 Resp: 10187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.0 | 17.9 | 53.7# |
| 77 | 0.2 | 24.0 | 36.0# |



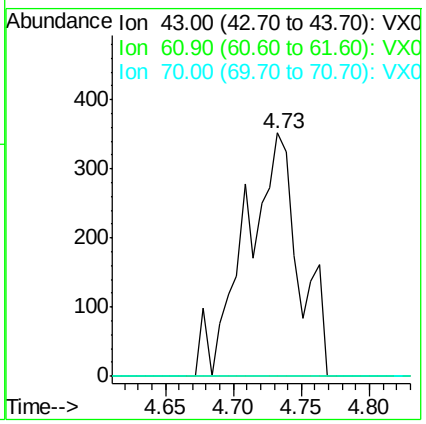


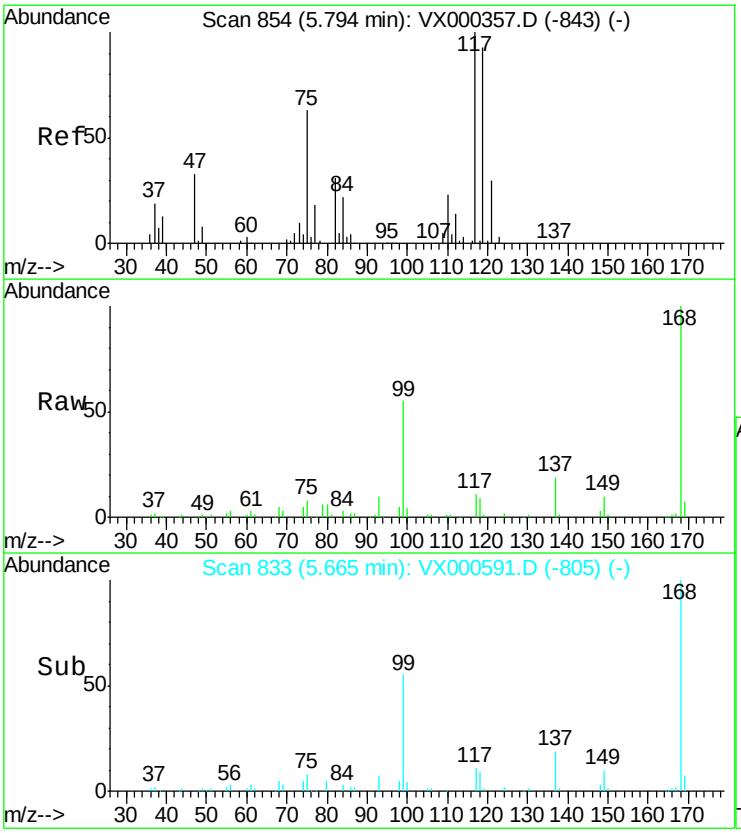

#37
Ethyl Acetate
Concen: 0.347 ug/l
RT: 4.73 min Scan# 680
Delta R.T. -0.14 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.1 | 16.7# |
| 70 | 0.0 | 7.7 | 11.5# |

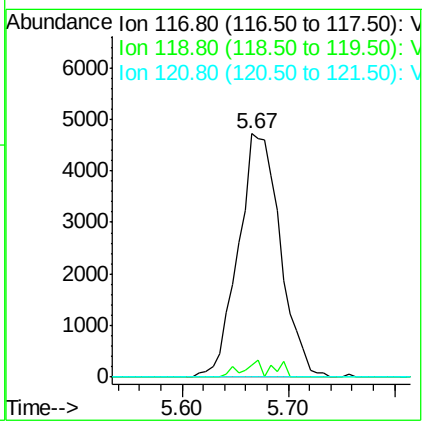


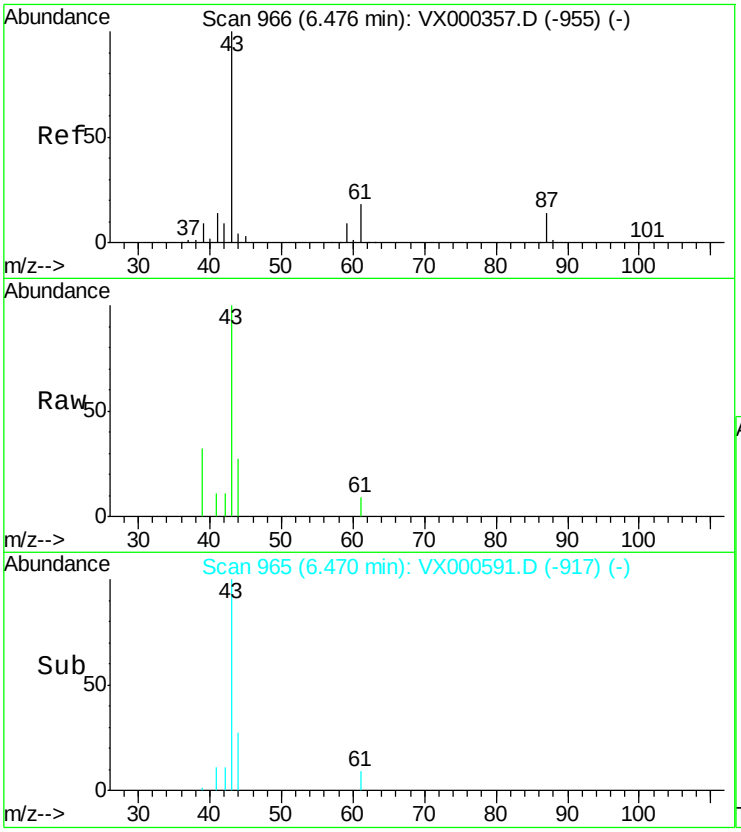




#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion:117 Resp: 13045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.0 | 77.4 | 116.2# |
| 121 | 0.0 | 24.8 | 37.2# |



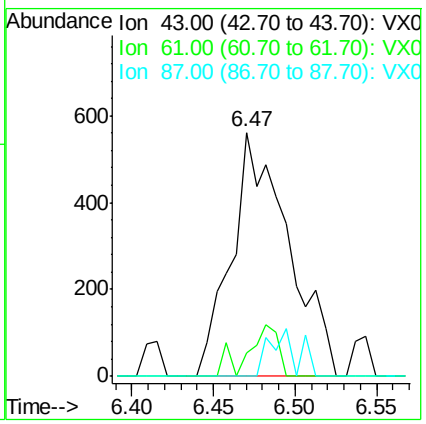


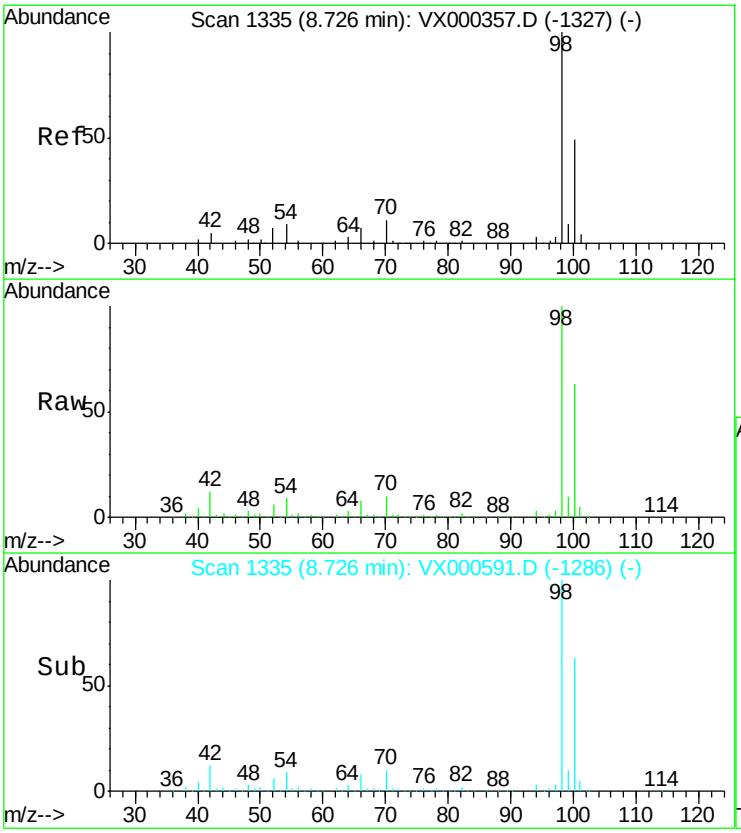

#43
Isopropyl Acetate
Concen: 0.327 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 1358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 2.1 | 14.4 | 21.6# |
| 87 | 0.0 | 11.0 | 16.4# |

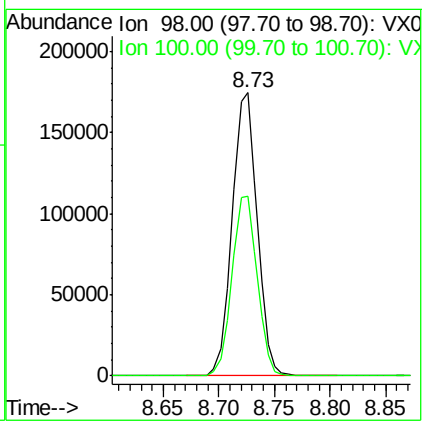


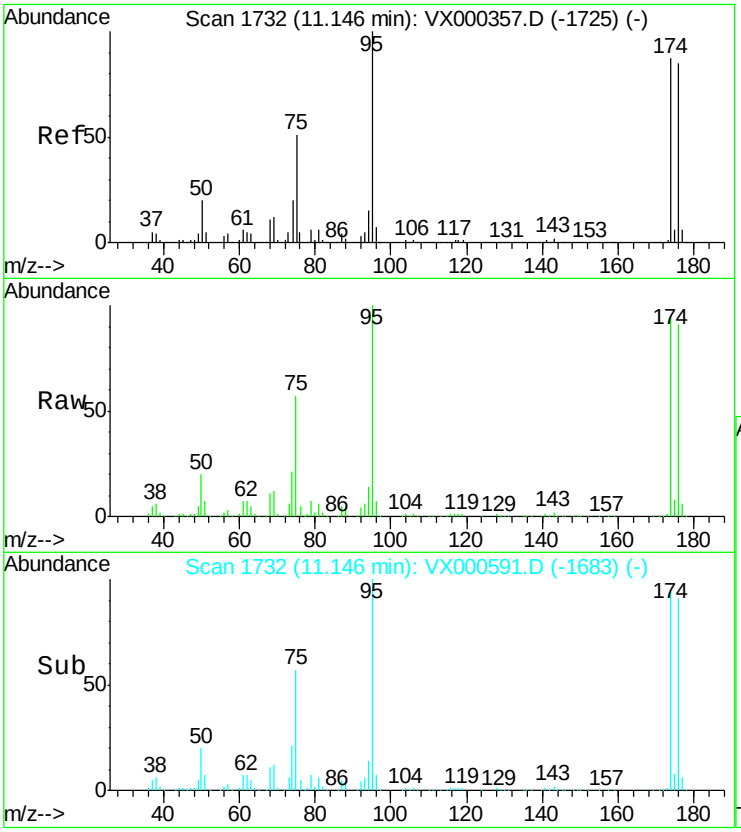




#50
Toluene-d8
Concen: 47.669 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 98 Resp: 271414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 51.2 | 76.8 |



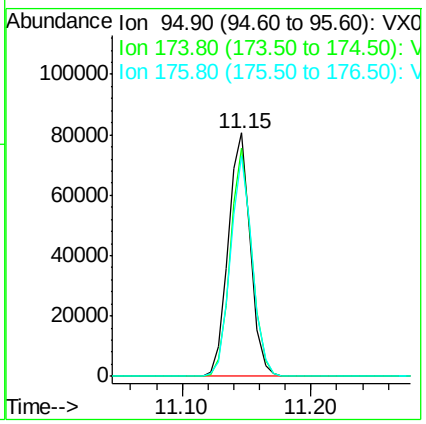


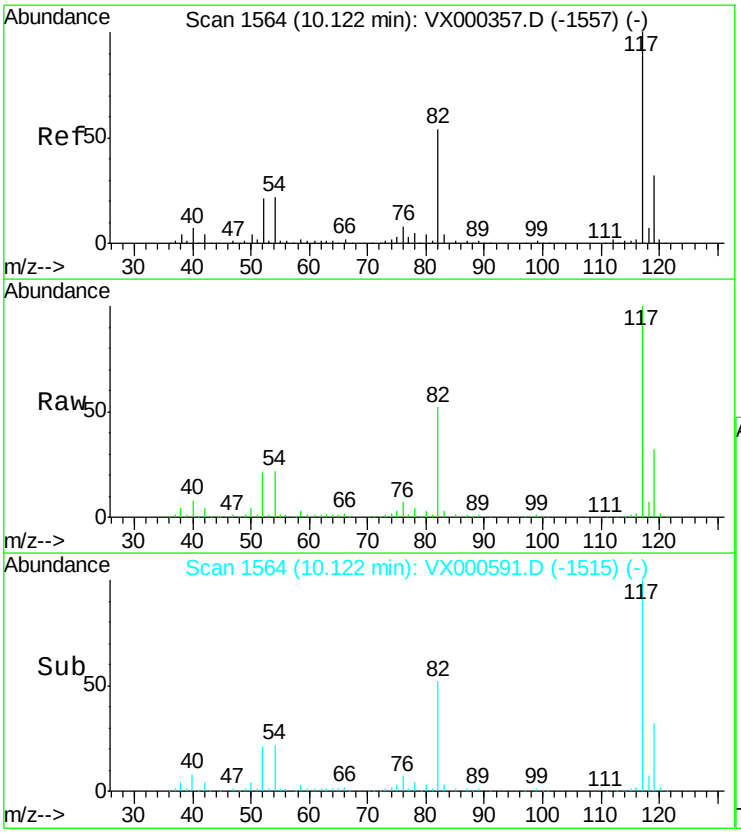

#62
4-Bromofluorobenzene
Concen: 41.695 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 95 Resp: 97502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.7 | 0.0 | 173.6 |
| 176 | 88.7 | 0.0 | 164.6 |

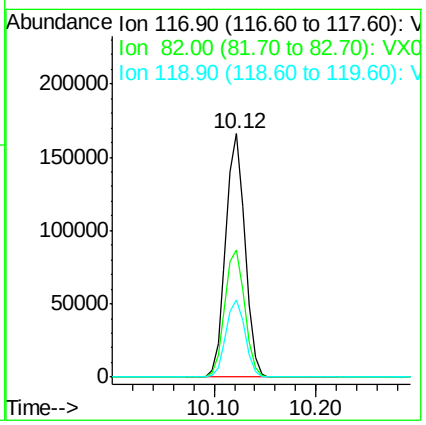


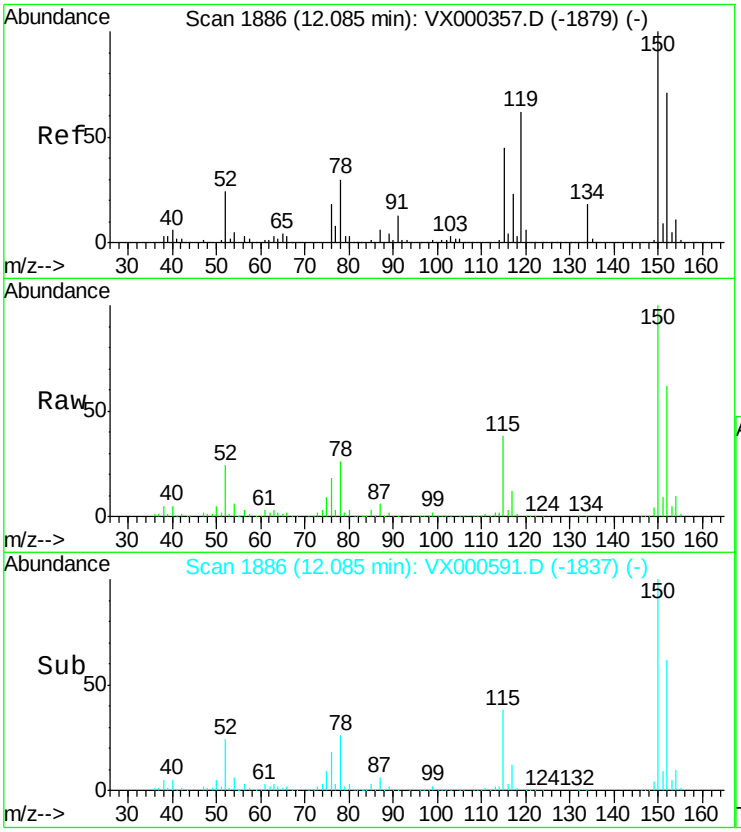




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion:117 Resp: 216692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.3 | 43.8 | 65.8 |
| 119 | 32.0 | 24.9 | 37.3 |



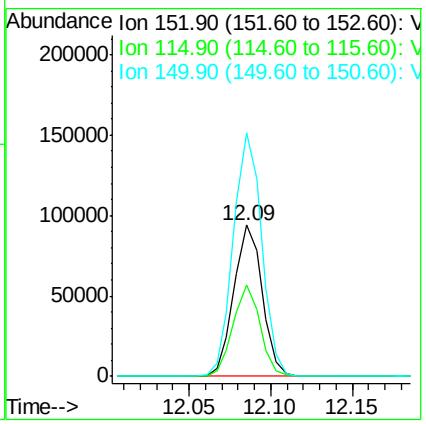


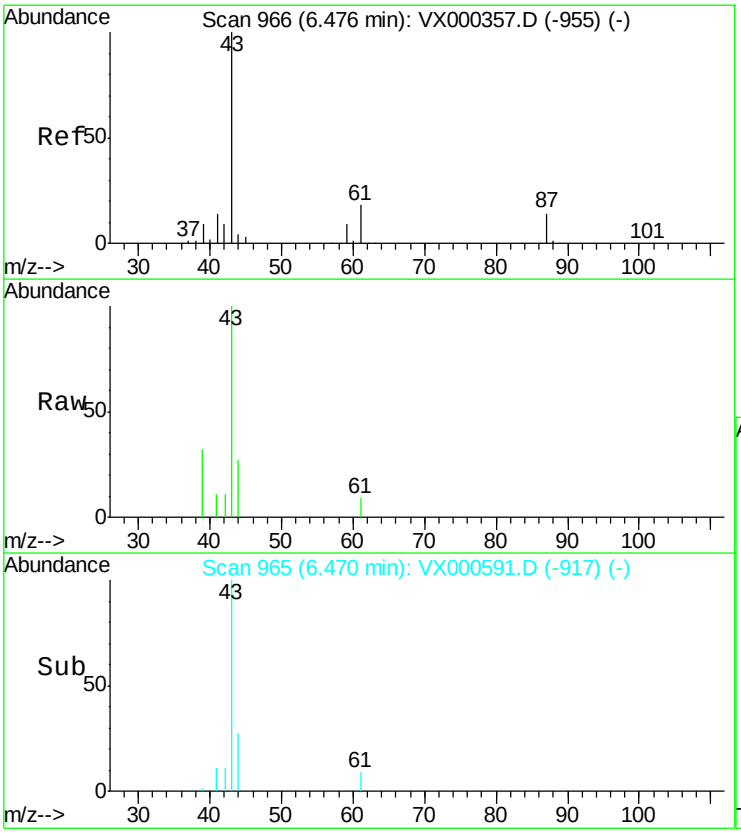

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:152 Resp: 114228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.5 | 39.8 | 119.3 |
| 150 | 160.9 | 0.0 | 344.4 |

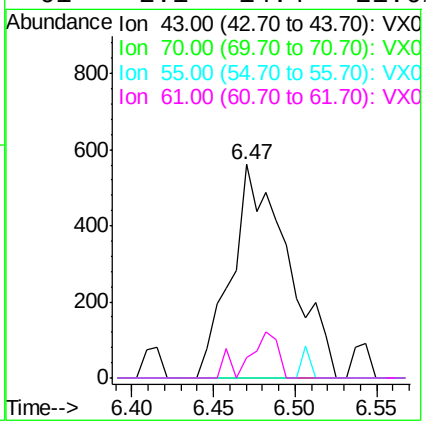


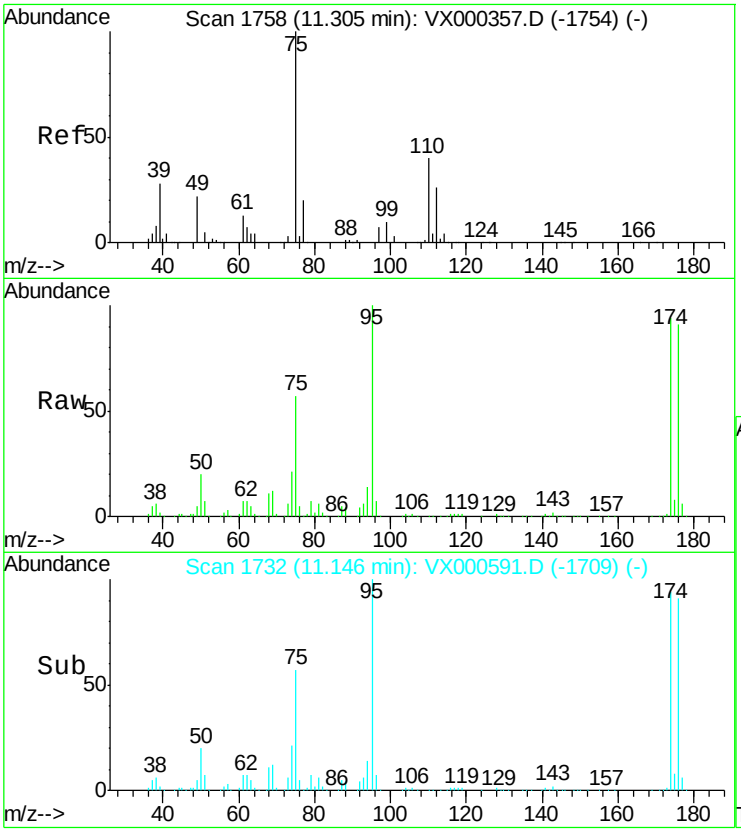




#74
N-amyl acetate
Concen: Below Cal
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 43 Resp: 1358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 0.0 | 0.0 |
| 55 | 0.0 | 0.0 | 0.0 |
| 61 | 2.1 | 14.4 | 21.6# |



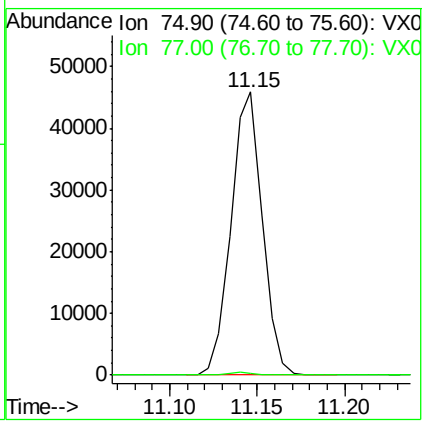


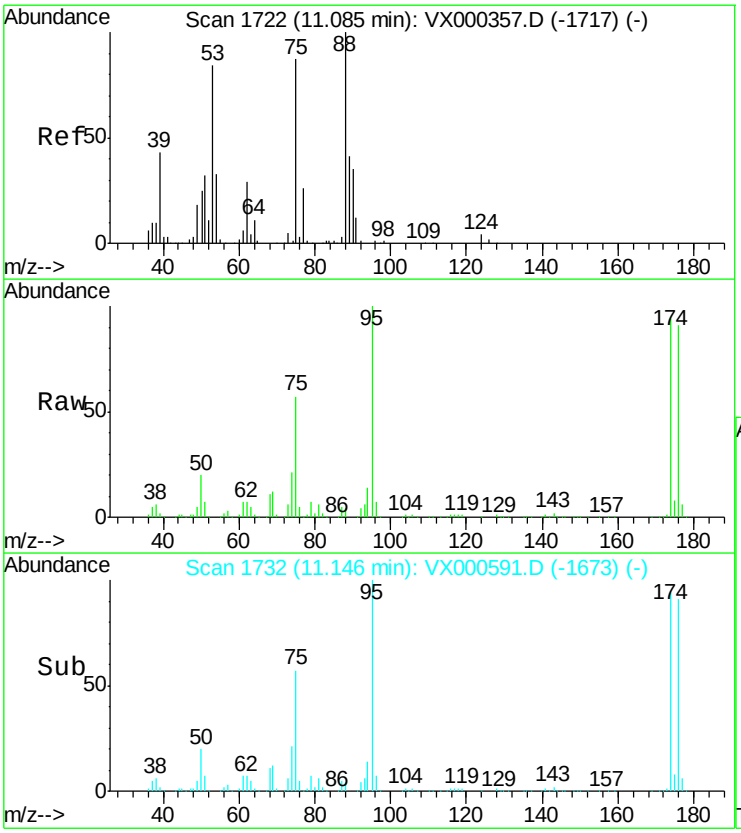

#76
1,2,3-Trichloropropane
Concen: 23.144 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 56817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.0 | 21.4 | 64.2# |

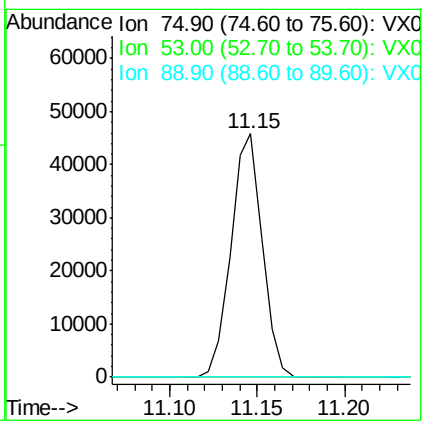


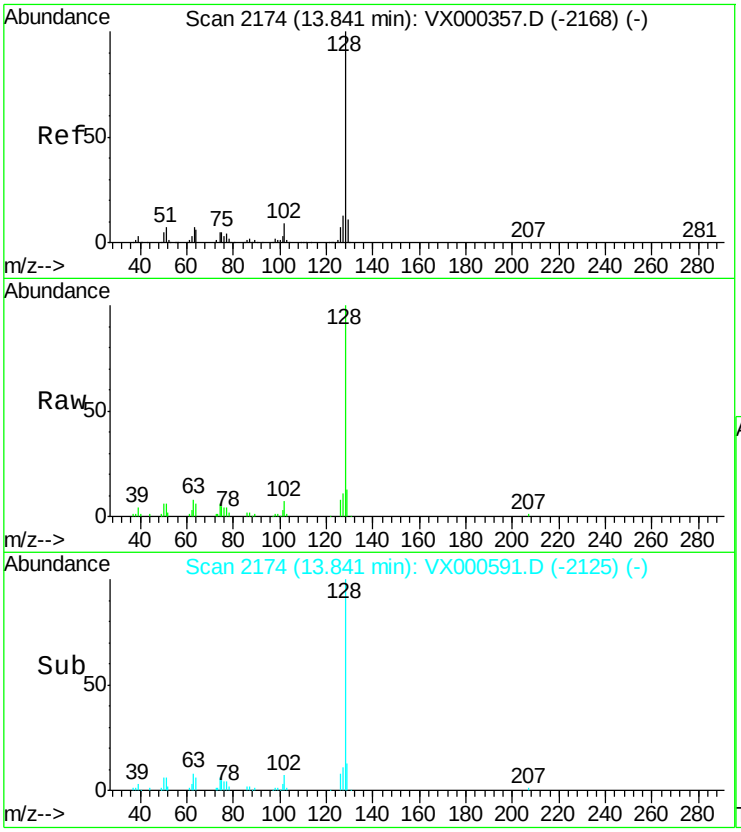




#81
trans-1,4-Dichloro-2-butene
Concen: 74.932 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

Tgt Ion: 75 Resp: 56817

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






#95
Naphthalene
Concen: 2.437 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000591.D
Acq: 31 Mar 2018 14:28

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:128 Resp: 22746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.6 | 15.8 |
| 129 | 10.8 | 8.9 | 13.3 |