Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
Data File : VX000787.D
Acq On : 11 Apr 2018 18:55
Operator : JC/MD
Sample : J2297-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RO-3-1

Quant Time: Apr 12 07:08:01 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.68 | 168 | 308230 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 430113 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 401744 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 239697 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.08 | 65 | 156349 | 40.23 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.46% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 131470 | 39.67 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 79.34% | | | | |
| 50) Toluene-d8 | 8.72 | 98 | 492457 | 39.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 79.82% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 201612 | 39.49 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.98% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.66 | 94 | 375 | Below Cal | | # | 39 |
| 6) Chloroethane | 1.61 | 64 | 3597 | 1.77 | ug/l | # | 52 |
| 10) Methyl Iodide | 2.53 | 142 | 152 | 8.28 | ug/l | # | 42 |
| 13) Acrolein | 2.29 | 56 | 78 | 0.23 | ug/l | # | 13 |
| 16) Acetone | 2.45 | 43 | 3434 | 2.56 | ug/l | | 95 |
| 20) Methylene Chloride | 2.86 | 84 | 7143 | 2.29 | ug/l | | 96 |
| 25) 2-Butanone | 4.73 | 43 | 1083 | 0.49 | ug/l | # | 83 |
| 29) Tetrahydrofuran | 5.20 | 42 | 667 | 0.47 | ug/l | # | 33 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 18057 | 3.81 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 26319 | 4.96 | ug/l | # | 15 |
| 43) Isopropyl Acetate | 6.48 | 43 | 2600 | 0.33 | ug/l | | 94 |
| 74) N-amyl acetate | 6.48 | 43 | 2622 | 0.38 | ug/l | # | 94 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 98542 | 23.84 | ug/l | # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 98542 | 65.57 | ug/l | # | 11 |
| 84) 1,2,4-Trimethylbenzene | 11.82 | 105 | 2825 | 0.21 | ug/l | | 99 |
| 95) Naphthalene | 13.84 | 128 | 9286 | 0.53 | ug/l | | 99 |

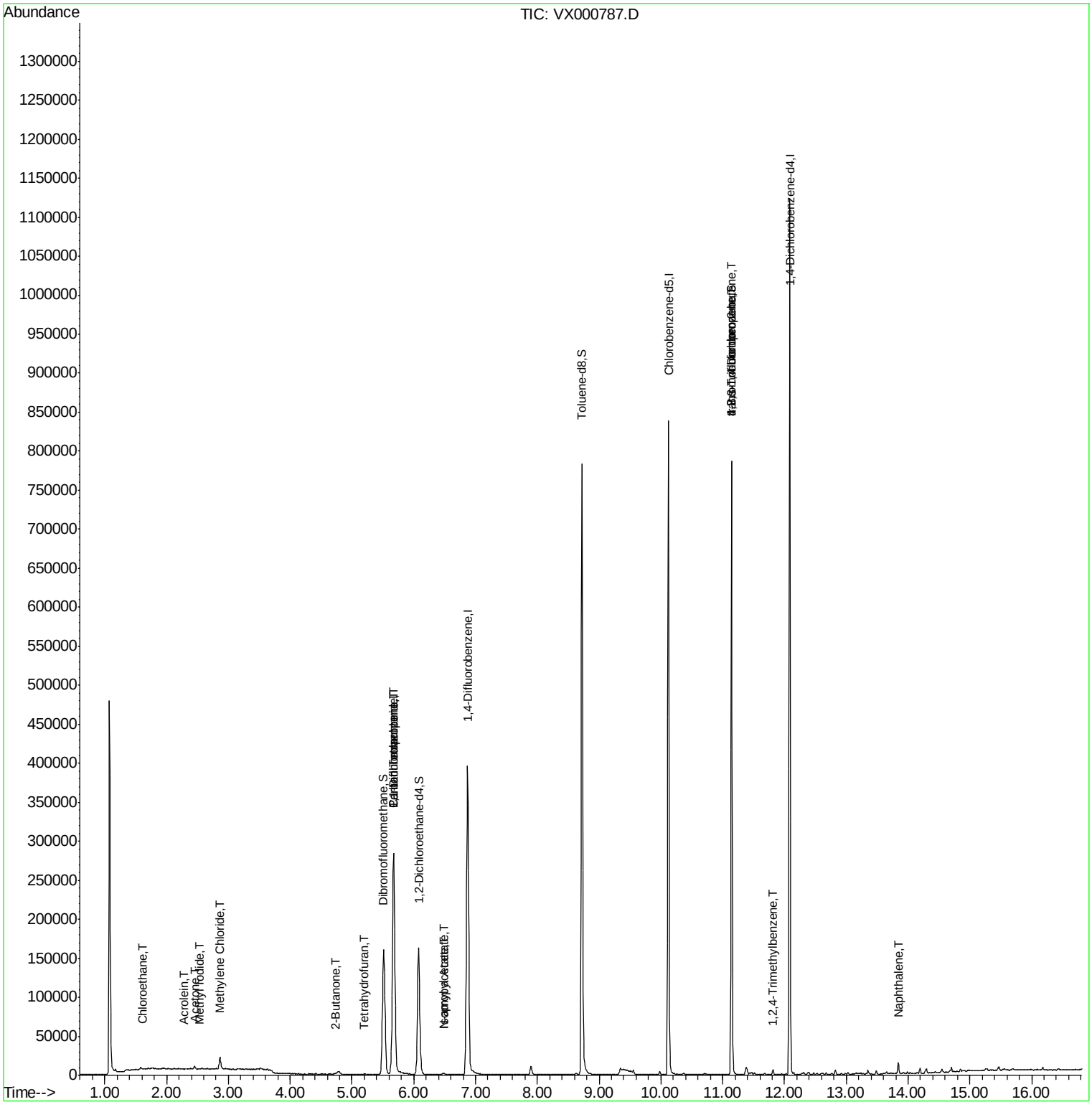
(#) = qualifier out of range (m) = manual integration (+) = signals summed

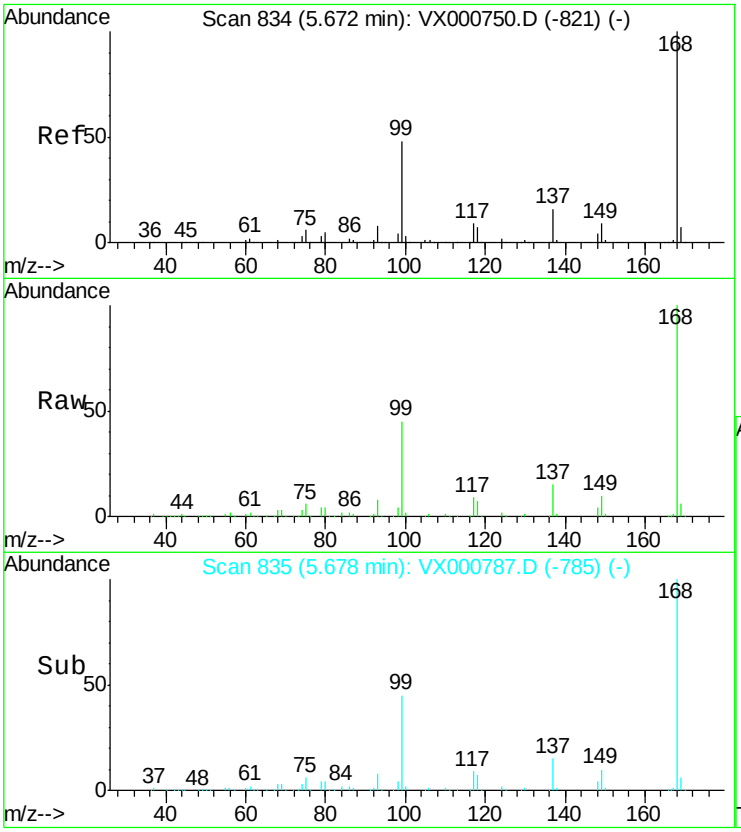
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
Data File : VX000787.D
Acq On : 11 Apr 2018 18:55
Operator : JC/MD
Sample : J2297-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Quant Time: Apr 12 07:08:01 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration



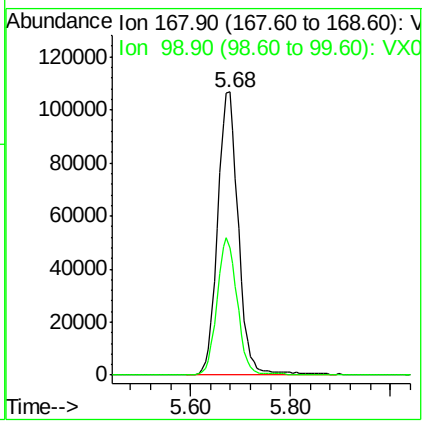


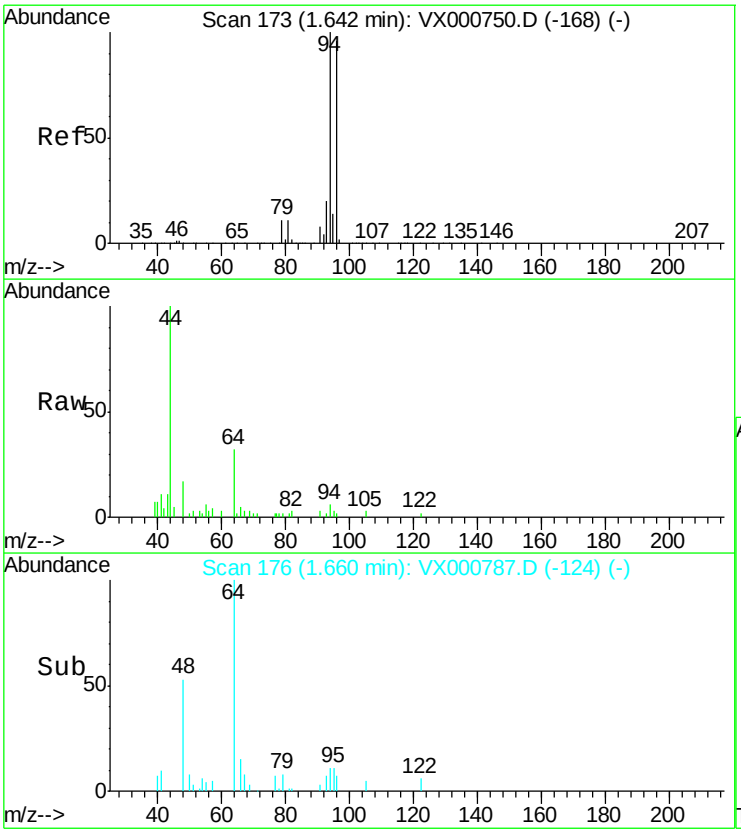

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion:168 Resp: 308230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 45.1 | 38.3 | 57.5 |

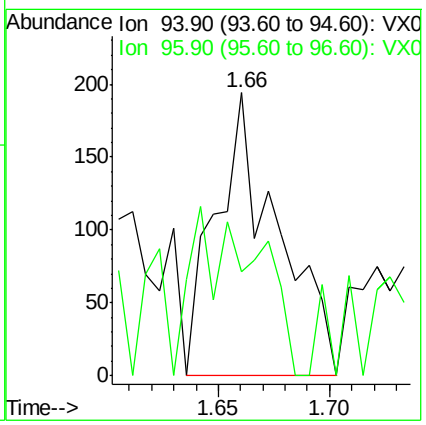


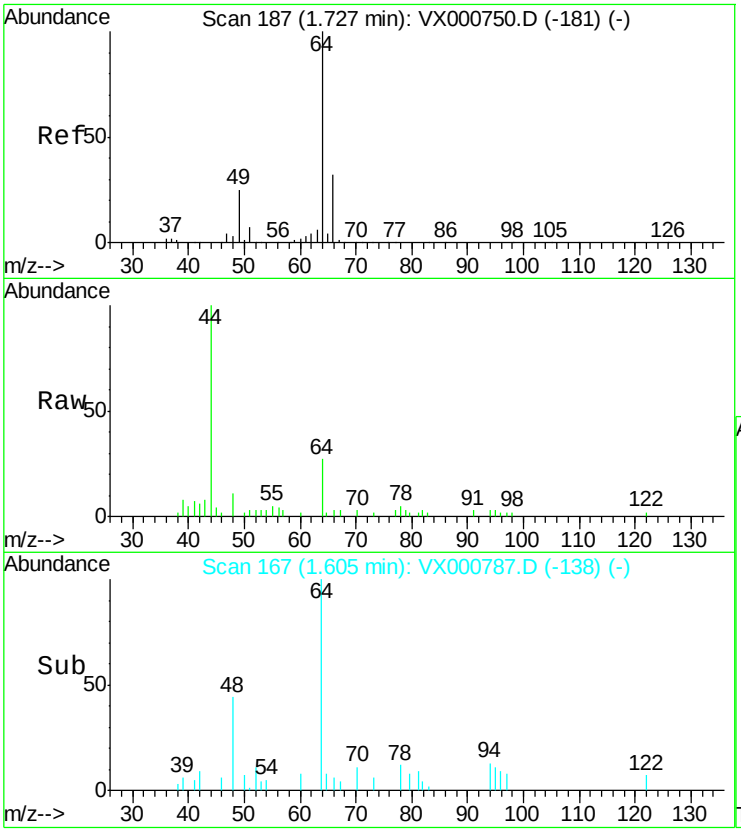




#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 94 Resp: 375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 36.6 | 77.0 | 115.6# |



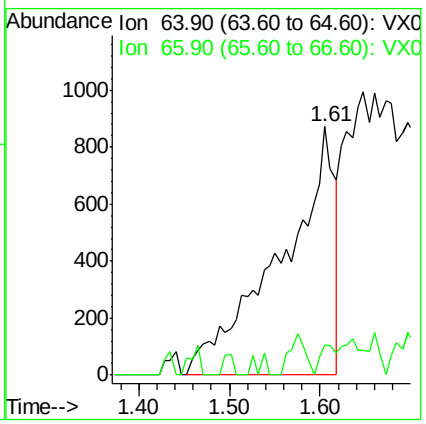


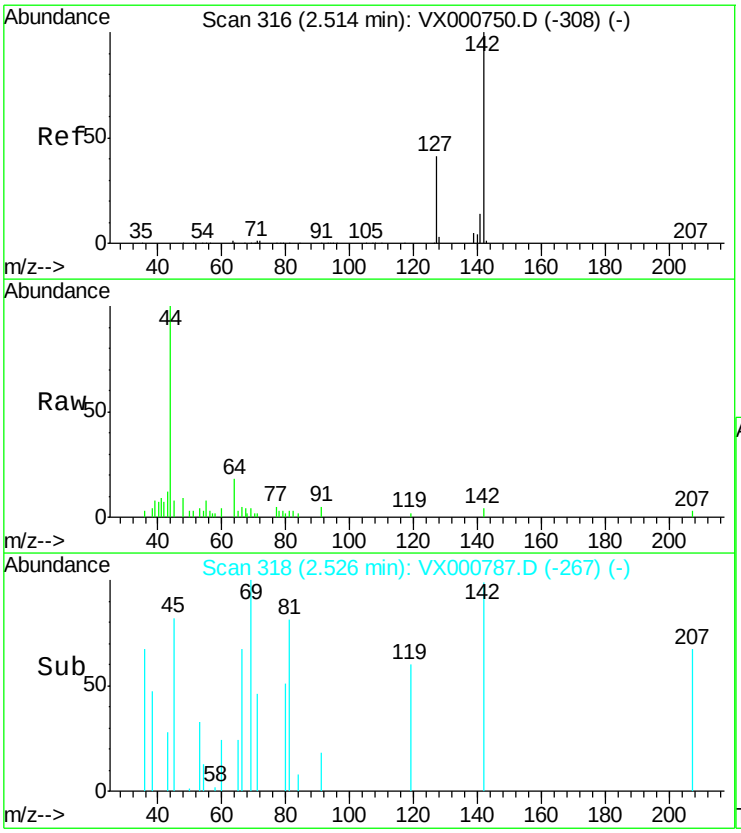

#6
Chloroethane
Concen: 1.77 ug/l
RT: 1.61 min Scan# 167
Delta R.T. -0.12 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 64 Resp: 3597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 4.9 | 25.3 | 37.9# |

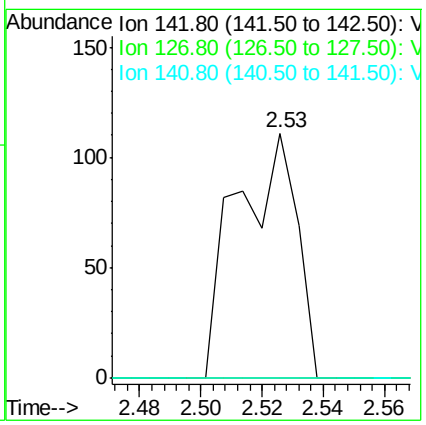


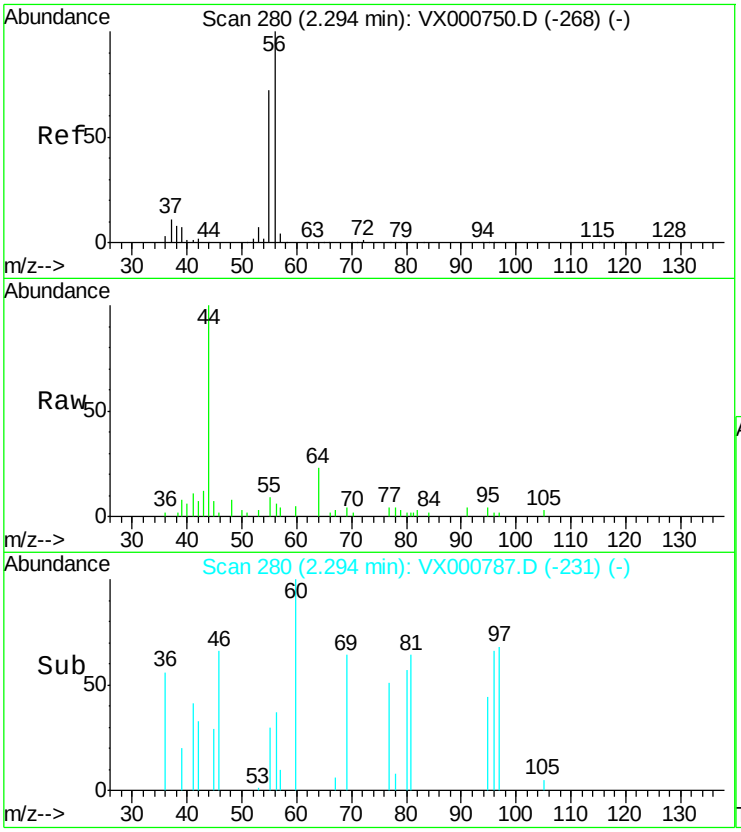




#10
Methyl Iodide
Concen: 8.28 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion:142 Resp: 152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 32.6 | 49.0# |
| 141 | 0.0 | 11.5 | 17.3# |



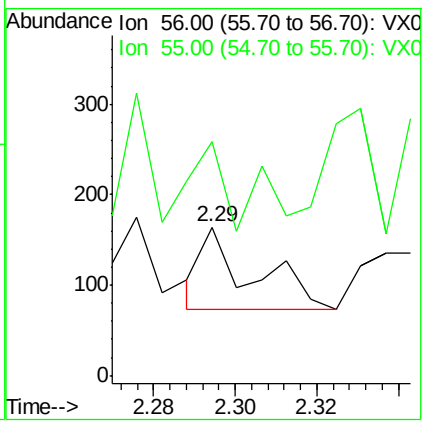


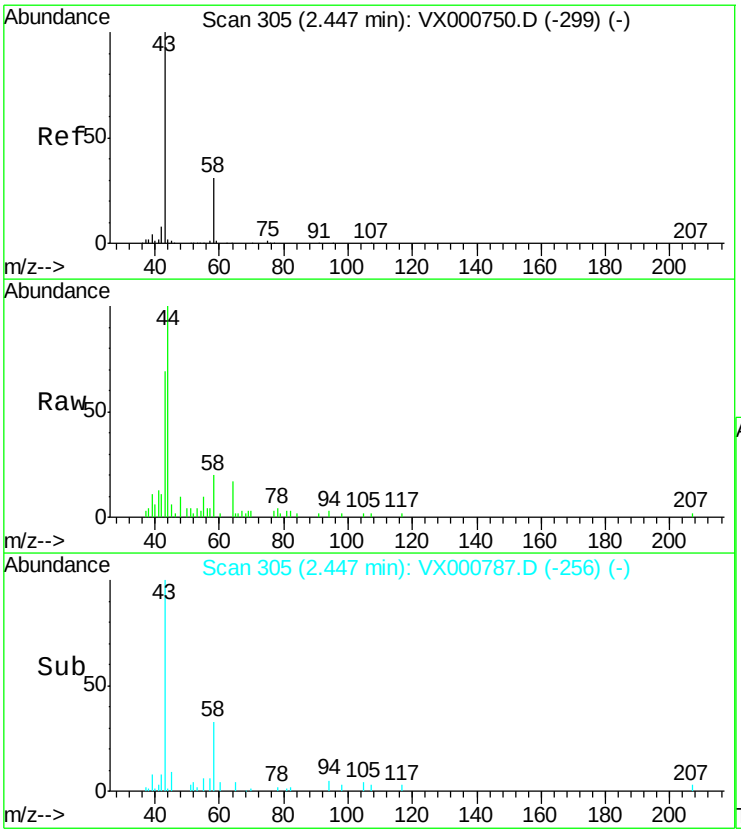

#13
Acrolein
Concen: 0.23 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 56 Resp: 78

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.7 | 88.1# |

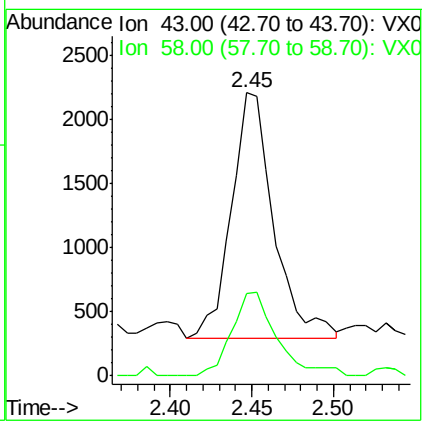


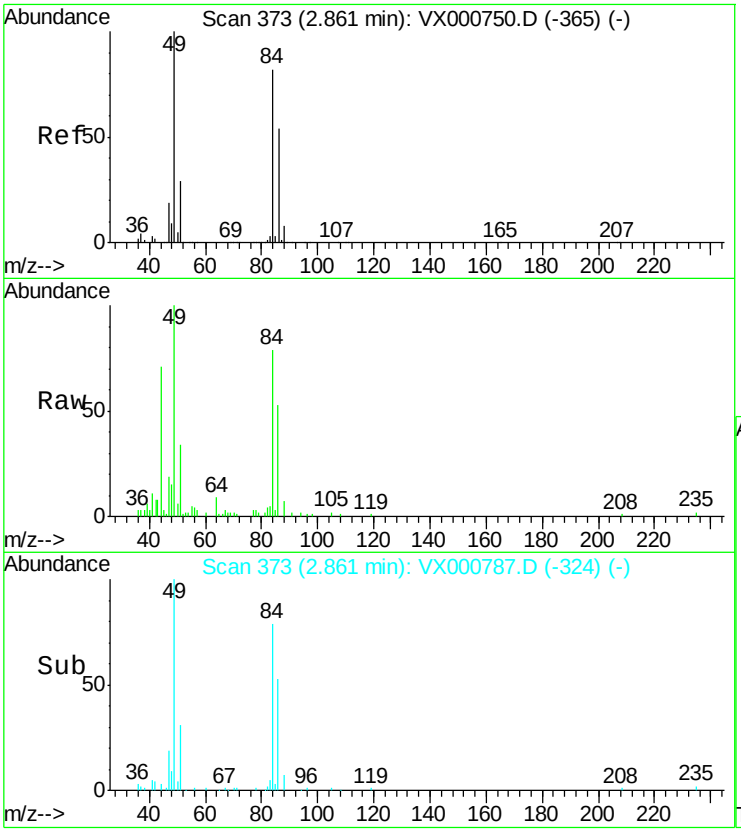




#16
Acetone
Concen: 2.56 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 43 Resp: 3434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.8 | 24.6 | 37.0 |



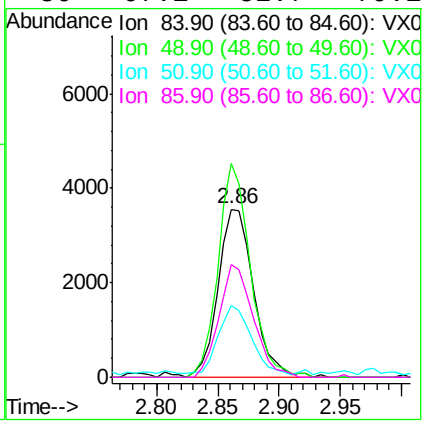


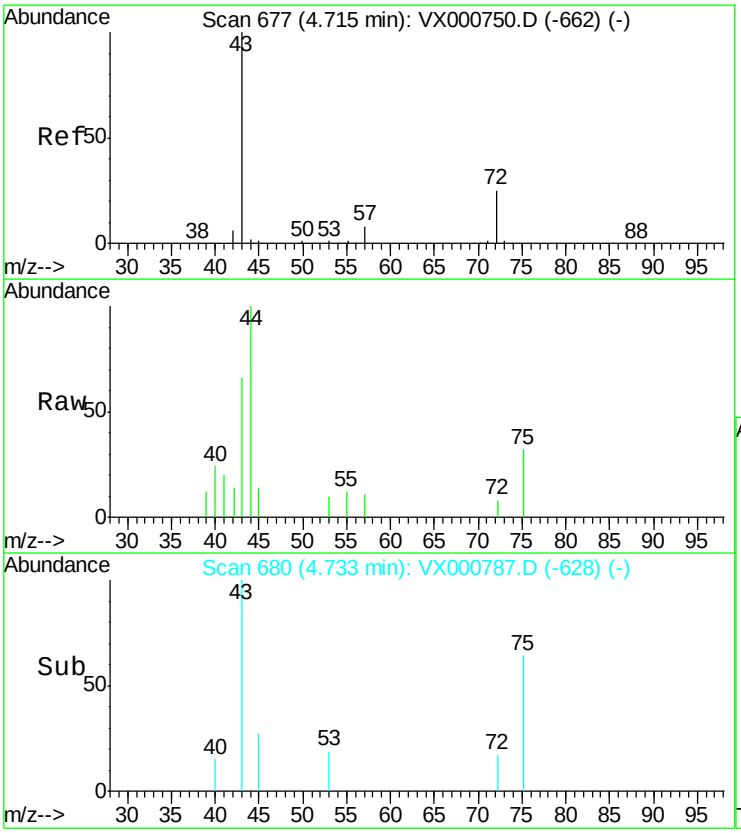

#20
Methylene Chloride
Concen: 2.29 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 84 Resp: 7143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.9 | 98.1 | 147.1 |
| 51 | 40.2 | 28.9 | 43.3 |
| 86 | 67.1 | 52.7 | 79.1 |

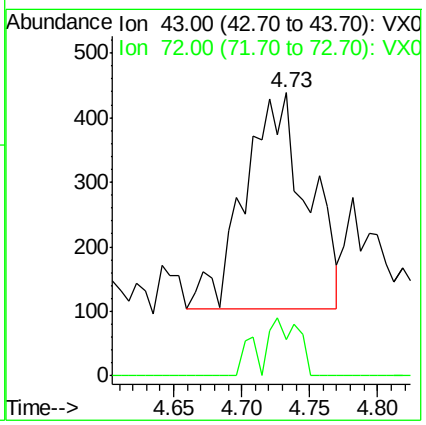


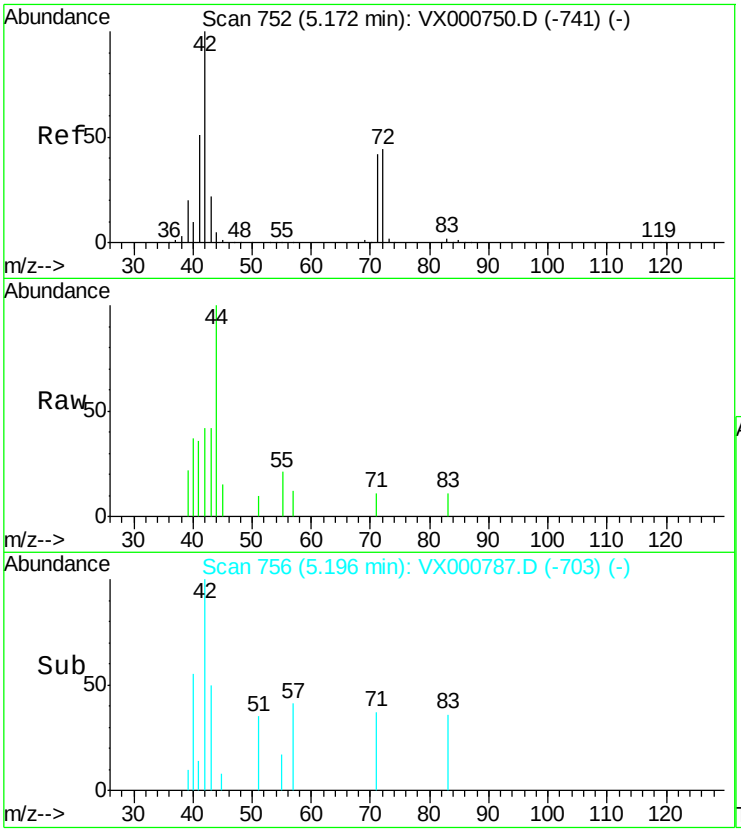




#25
2-Butanone
Concen: 0.49 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 43 Resp: 1083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 16.8 | 20.3 | 30.5# |



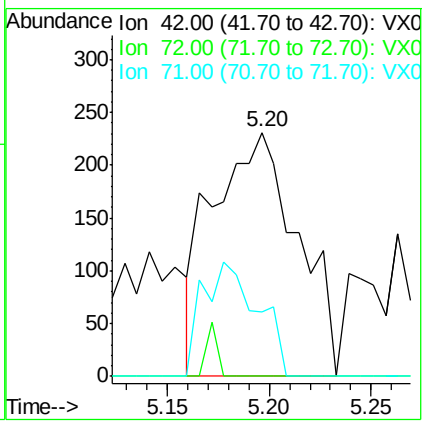


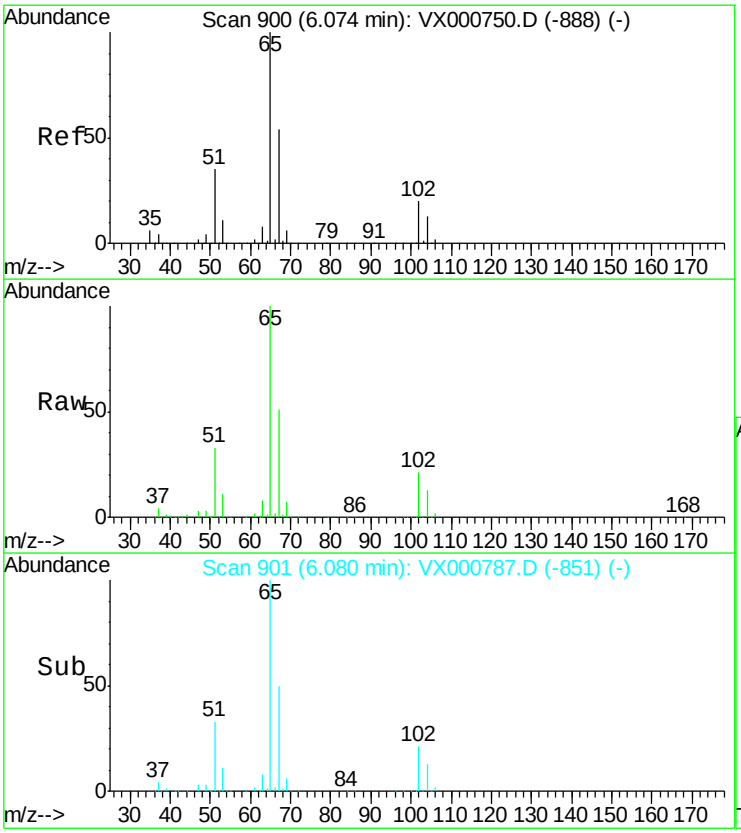

#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 42 Resp: 667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 35.1 | 52.7# |
| 71 | 0.0 | 32.8 | 49.2# |

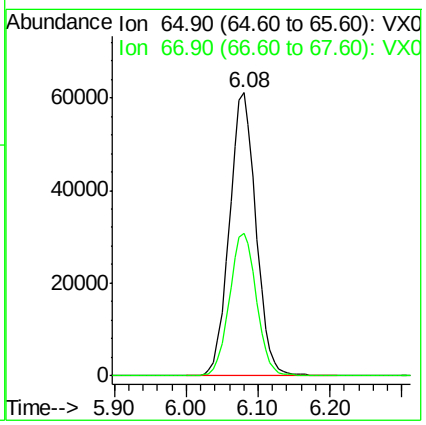


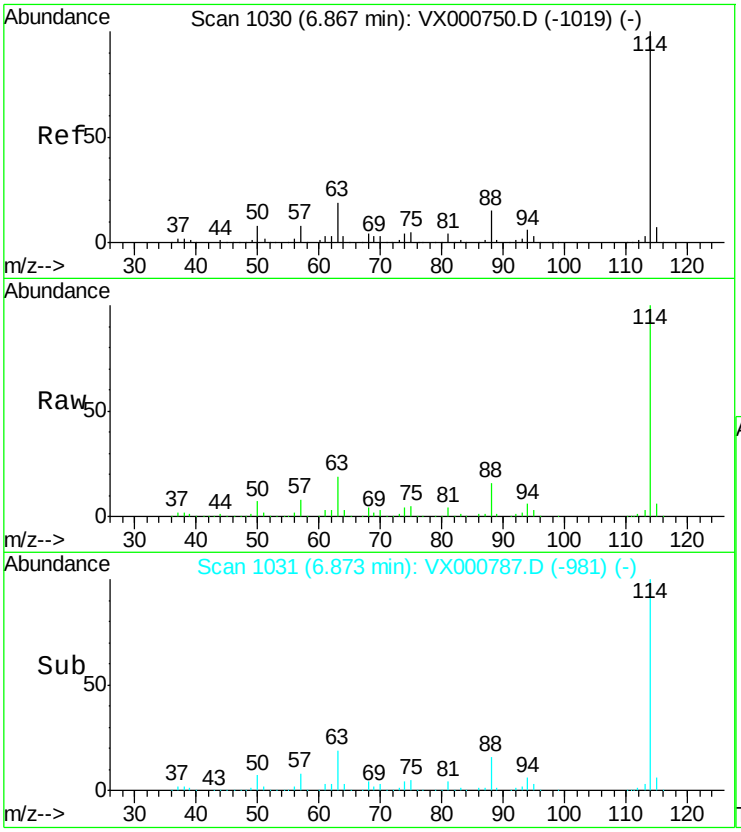




#33
1,2-Dichloroethane-d4
Concen: 40.23 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 65 Resp: 156349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 103.8 |



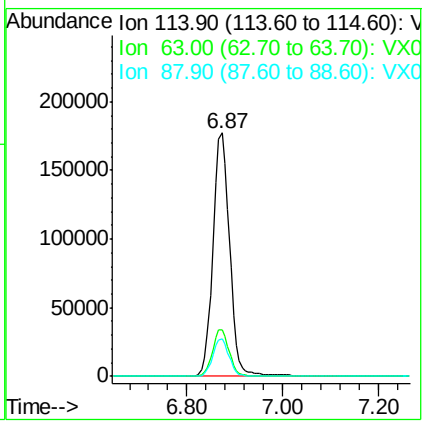


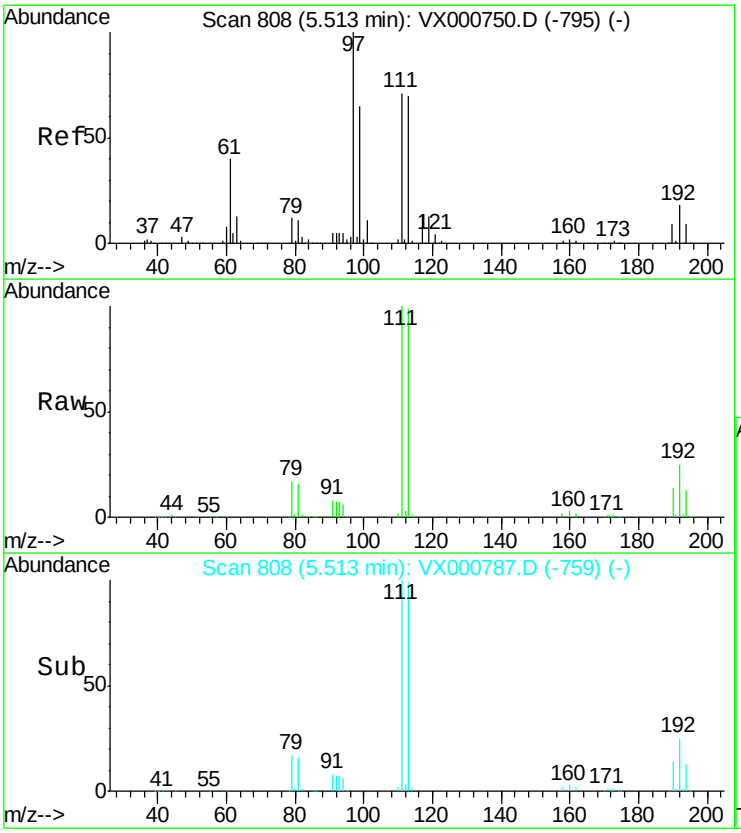

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :** MSVOA_X
**ClientSampleId :** RO-3-1

Tgt Ion:114 Resp: 430113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.9 | 0.0 | 38.4 |
| 88 | 15.6 | 0.0 | 31.0 |

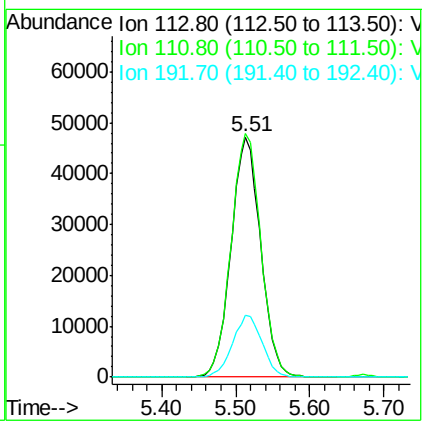


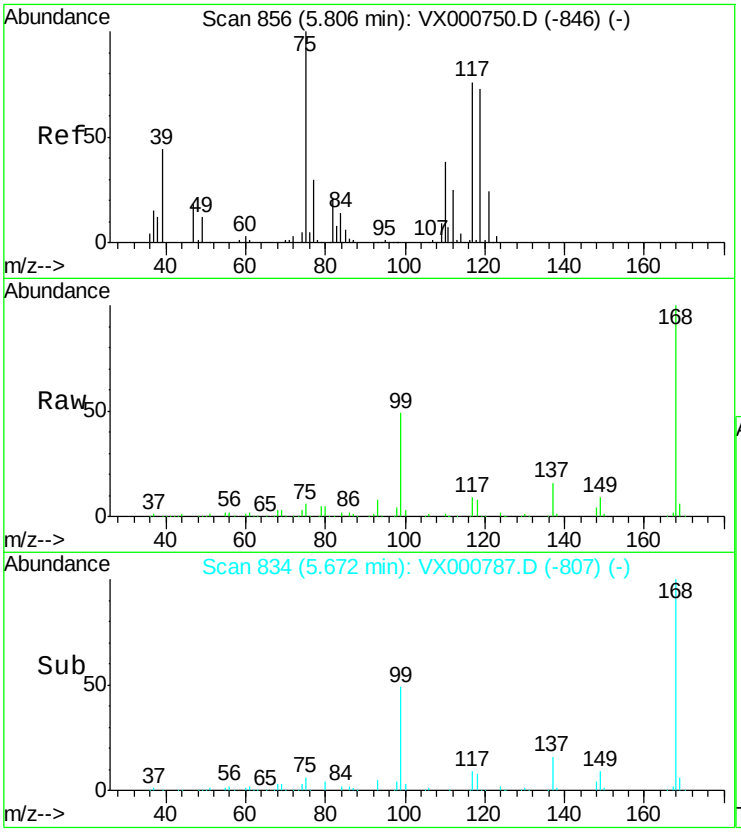




#35
Dibromofluoromethane
Concen: 39.67 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion:113 Resp: 131470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 81.5 | 122.3 |
| 192 | 25.8 | 20.4 | 30.6 |



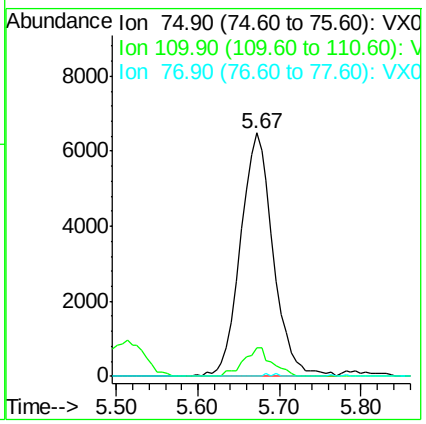


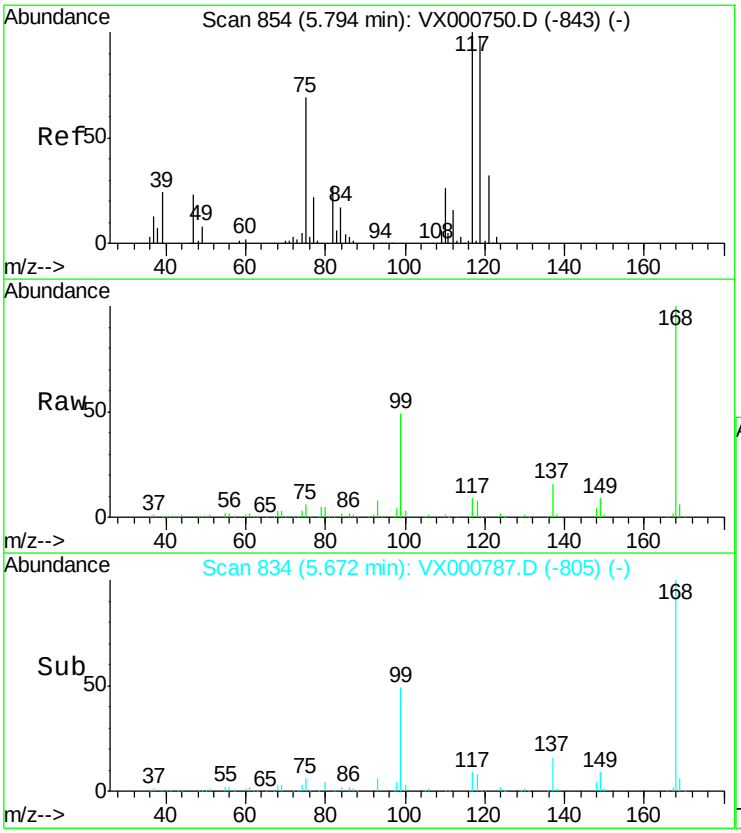

#36
1,1-Dichloropropene
Concen: 3.81 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 75 Resp: 18057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.2 | 19.2 | 57.6# |
| 77 | 0.0 | 25.4 | 38.2# |

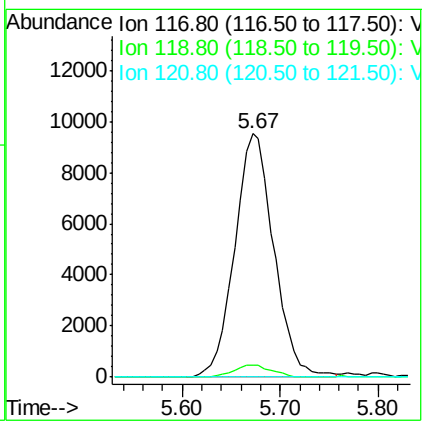


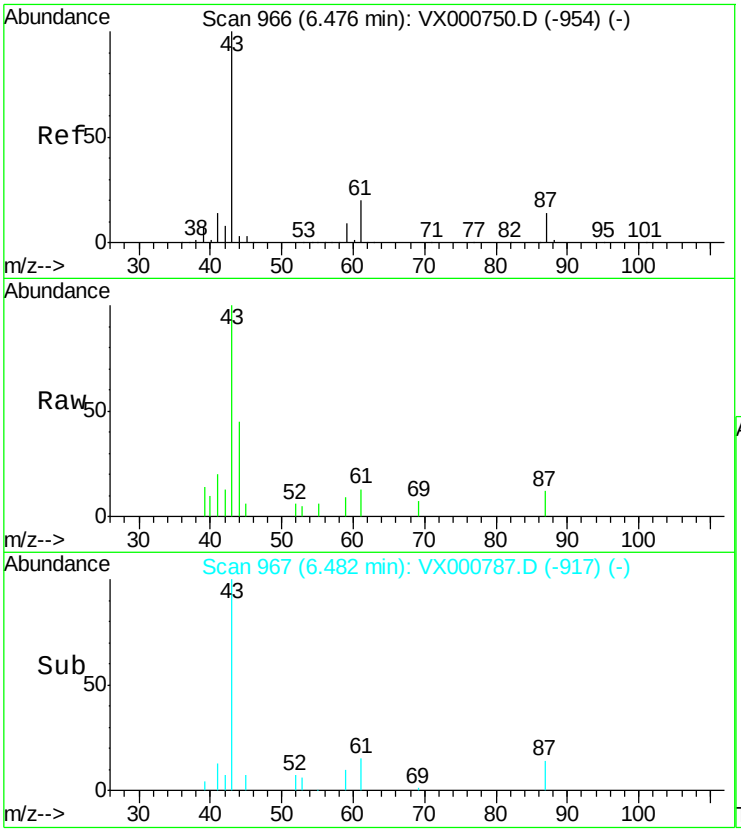




#38
Carbon Tetrachloride
Concen: 4.96 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion:117 Resp: 26319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.9 | 78.4 | 117.6# |
| 121 | 0.0 | 25.4 | 38.0# |



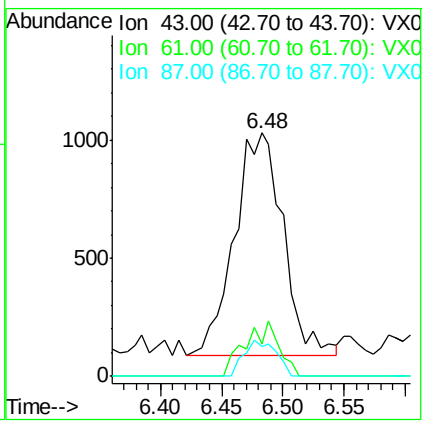


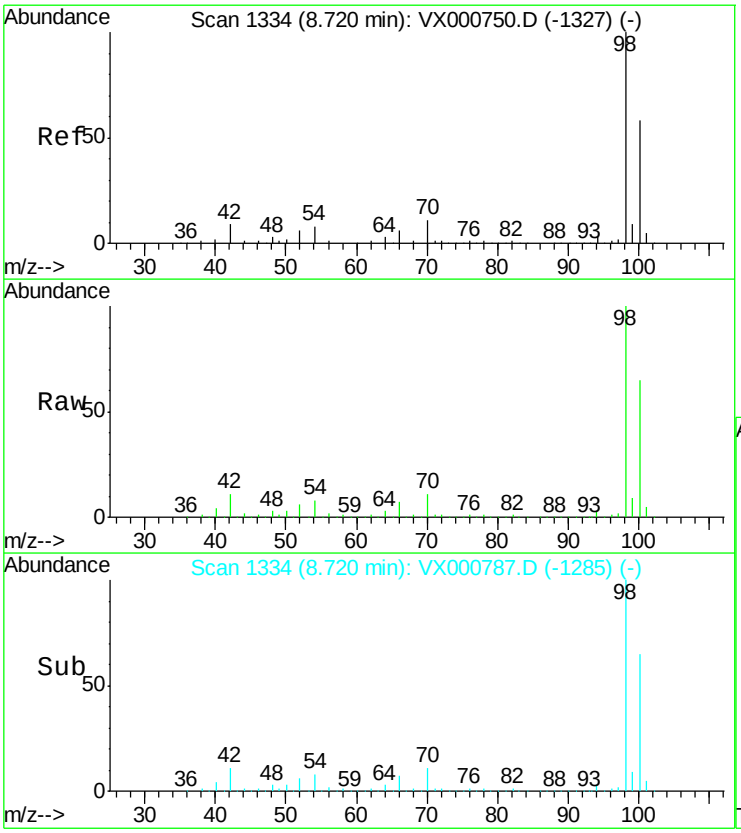

#43
Isopropyl Acetate
Concen: 0.33 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 43 Resp: 2600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.0 | 15.6 | 23.4 |
| 87 | 10.7 | 10.7 | 16.1 |

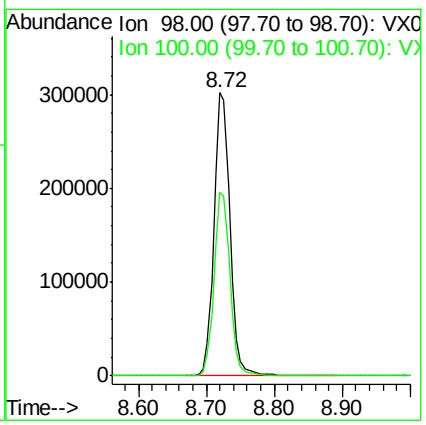


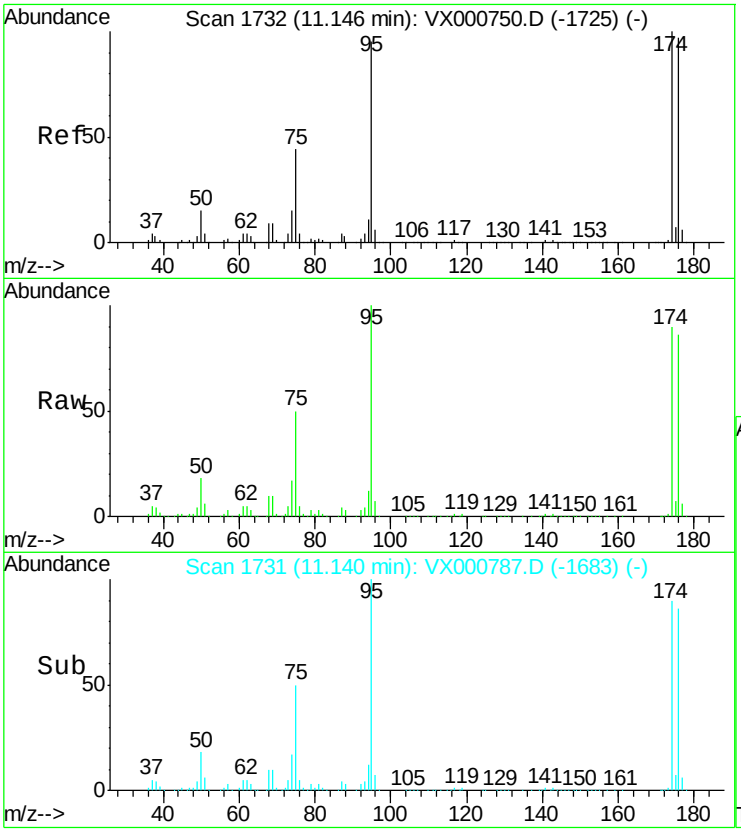




#50
Toluene-d8
Concen: 39.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 98 Resp: 492457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.6 | 79.0 |



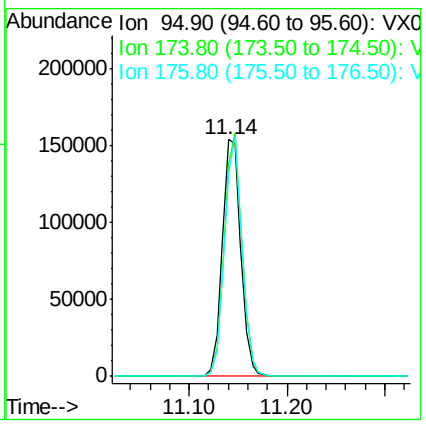


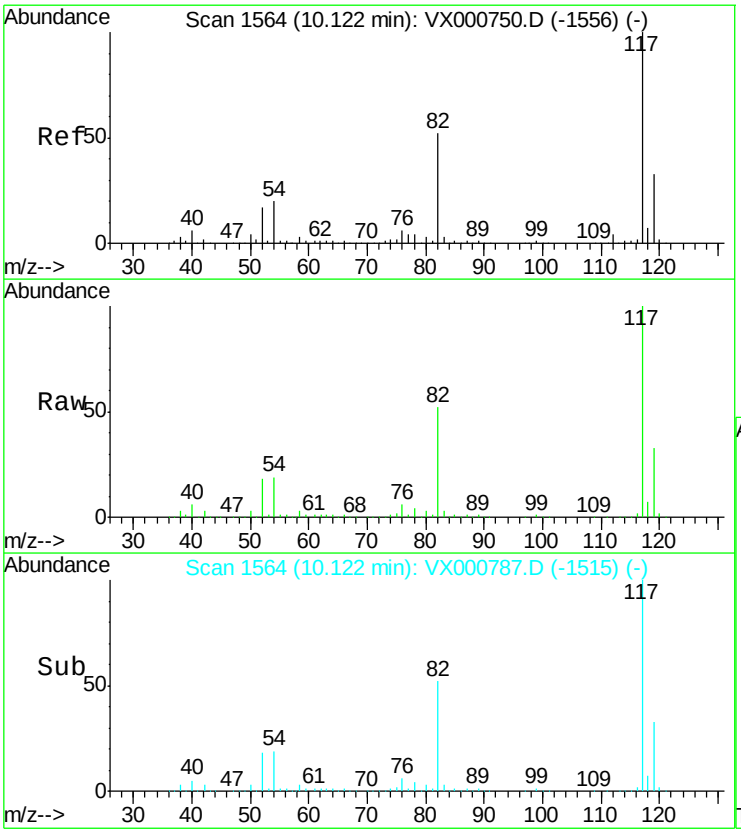

#62
4-Bromofluorobenzene
Concen: 39.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 95 Resp: 201612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.3 | 0.0 | 198.4 |
| 176 | 96.0 | 0.0 | 194.4 |

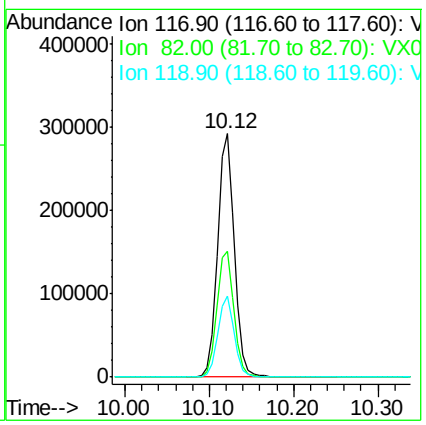


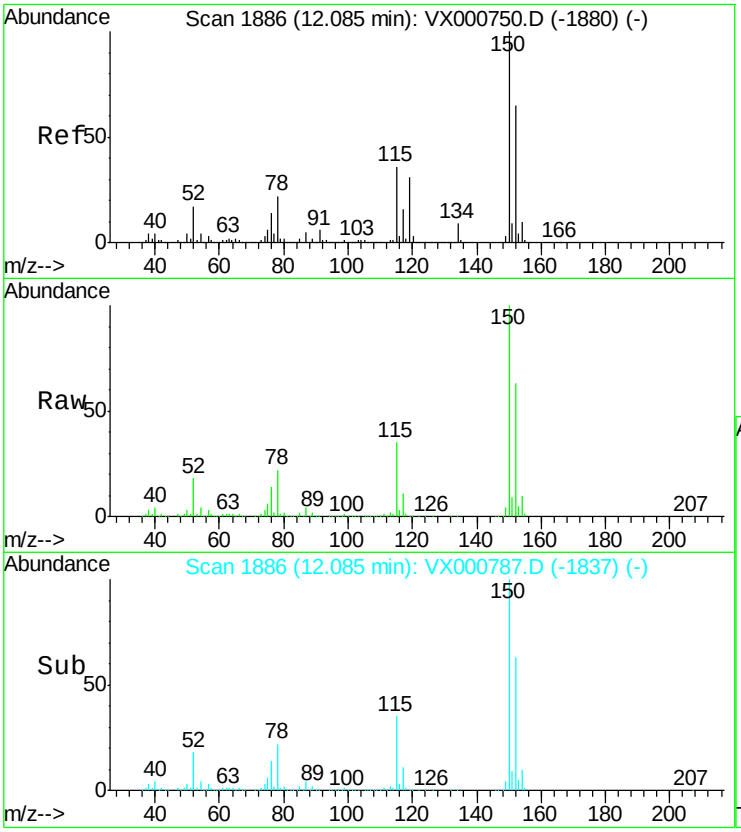




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion:117 Resp: 401744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.6 | 41.9 | 62.9 |
| 119 | 33.0 | 26.0 | 39.0 |



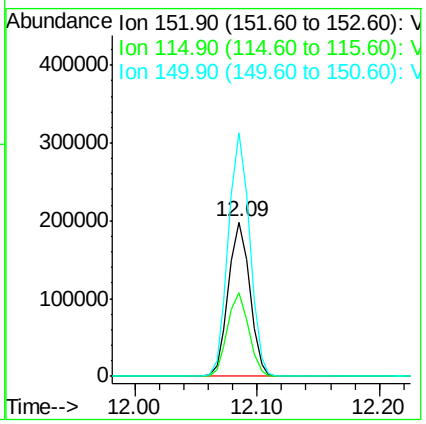


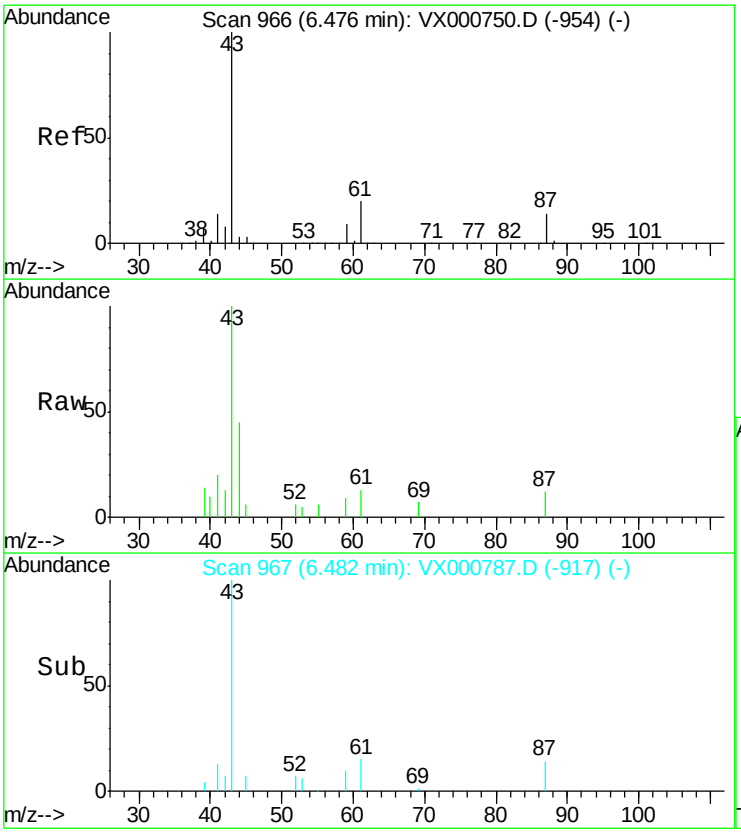

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :** MSVOA_X
**ClientSampleId :** RO-3-1

Tgt Ion:152 Resp: 239697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.8 | 37.9 | 113.7 |
| 150 | 157.0 | 0.0 | 348.0 |

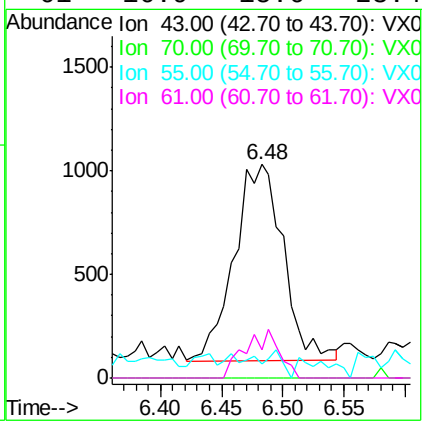


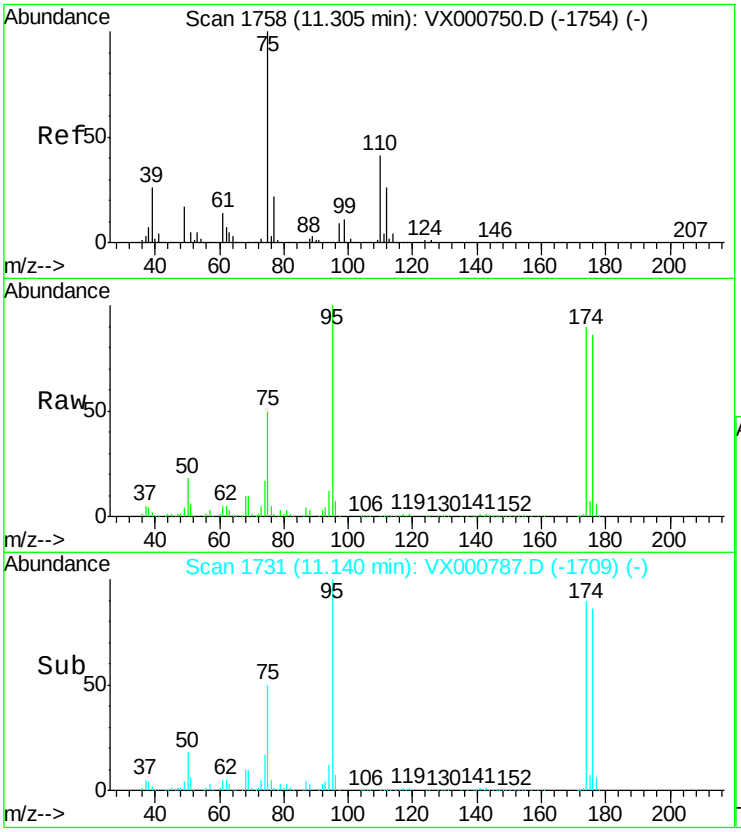




#74
N-amyl acetate
Concen: 0.38 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 43 Resp: 2622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 0.0 | 0.0 |
| 55 | 4.1 | 0.0 | 0.0# |
| 61 | 16.9 | 15.6 | 23.4 |



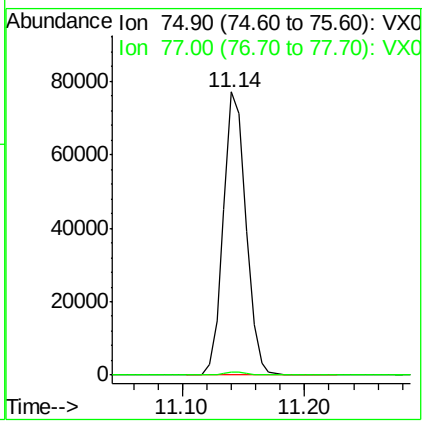


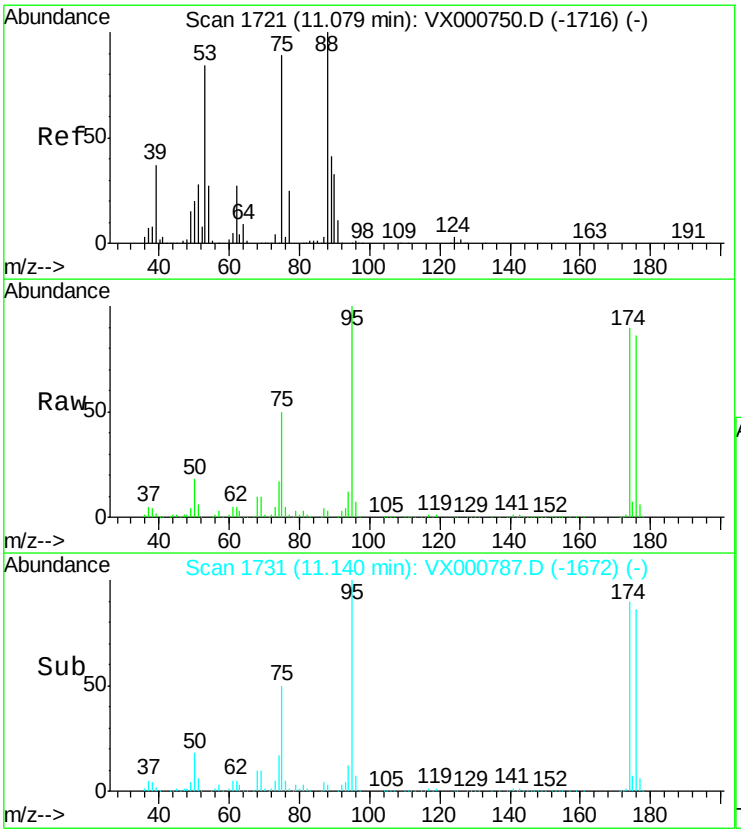

#76
1,2,3-Trichloropropane
Concen: 23.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion: 75 Resp: 98542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 20.5 | 61.5# |

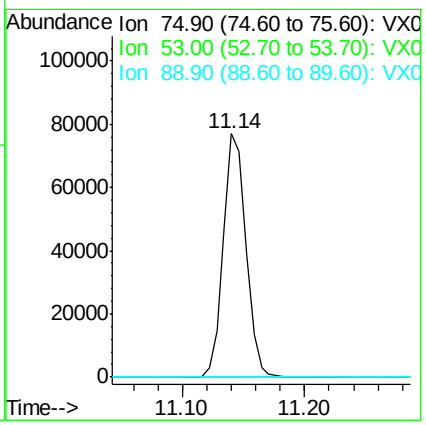


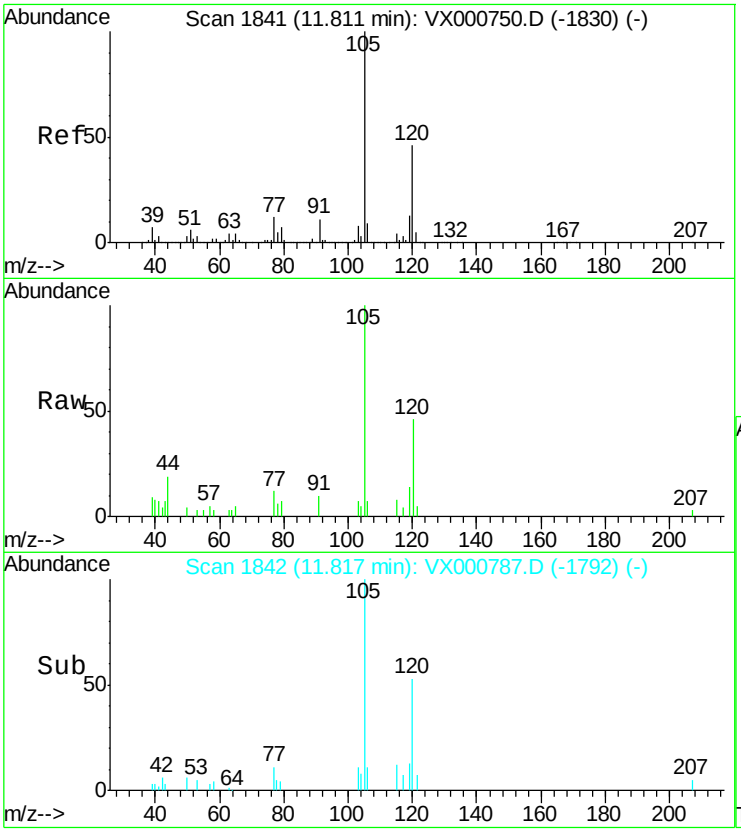




#81
trans-1,4-Dichloro-2-butene
Concen: 65.57 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion: 75 Resp: 98542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 75.4 | 113.0# |
| 89 | 0.0 | 40.9 | 61.3# |



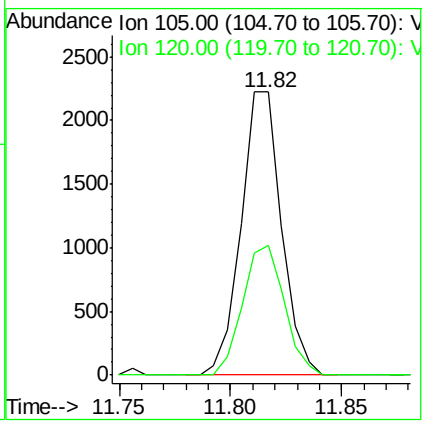


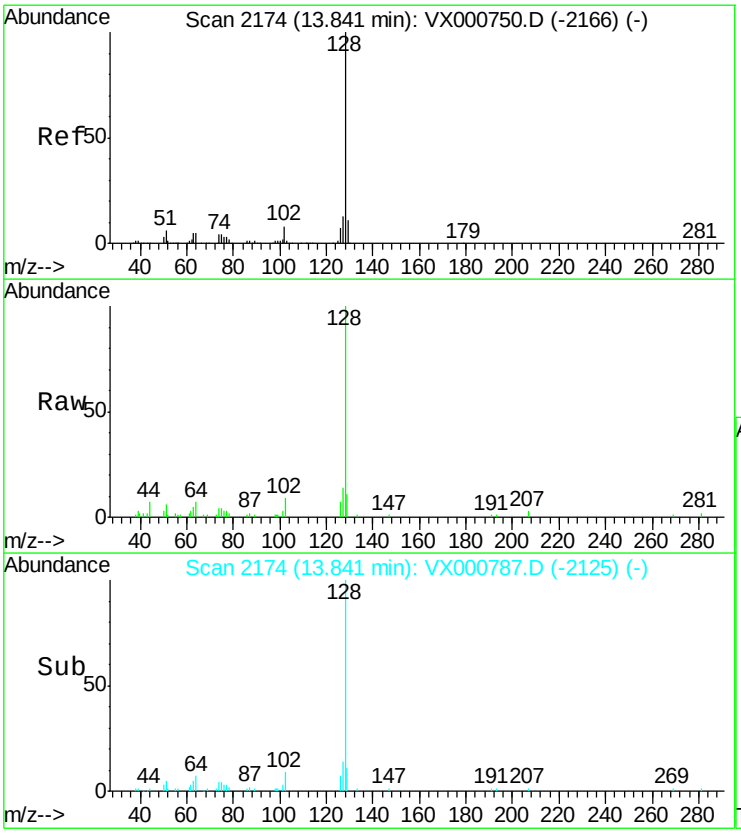

#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
RO-3-1

Tgt Ion:105 Resp: 2825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.9 | 23.1 | 69.3 |




#95
Naphthalene
Concen: 0.53 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000787.D
Acq: 11 Apr 2018 18:55

Tgt Ion:128 Resp: 9286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.4 | 15.6 |
| 129 | 10.6 | 8.7 | 13.1 |