Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002772.D
Acq On : 21 Jun 2018 05:38
Operator : JC/MD
Sample : PB110408ZHE#11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Jun 21 07:42:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 217335 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 310051 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 290517 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 165926 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 150385 | 45.53 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.06% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 120785 | 48.81 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.62% | | | | |
| 50) Toluene-d8 | 8.72 | 98 | 446589 | 47.53 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.06% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 156710 | 44.02 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.04% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.66 | 94 | 1085 | 0.63 | ug/l | | 100 |
| 6) Chloroethane | 1.57 | 64 | 9793 | 5.22 | ug/l | # | 49 |
| 8) Diethyl Ether | 2.19 | 74 | 484 | 0.28 | ug/l | | 96 |
| 10) Methyl Iodide | 2.51 | 142 | 716 | 5.37 | ug/l | # | 86 |
| 11) Tert butyl alcohol | 3.03 | 59 | 2005 | 2.94 | ug/l | # | 91 |
| 13) Acrolein | 2.28 | 56 | 120 | 7.23 | ug/l | # | 38 |
| 16) Acetone | 2.45 | 43 | 10726 | 7.36 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.57 | 76 | 1215 | 0.21 | ug/l | # | 70 |
| 18) Methyl Acetate | 2.78 | 43 | 23593 | 6.08 | ug/l | | 94 |
| 20) Methylene Chloride | 2.86 | 84 | 11596 | 3.88 | ug/l | | 95 |
| 25) 2-Butanone | 4.72 | 43 | 2048 | 1.07 | ug/l | | 94 |
| 29) Tetrahydrofuran | 5.17 | 42 | 803 | 0.64 | ug/l | # | 91 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 15078 | 4.58 | ug/l | # | 50 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 20221 | 6.17 | ug/l | # | 16 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1192 | 0.30 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.44 | 75 | 19 | 2.40 | ug/l | # | 43 |
| 54) cis-1,3-Dichloropropene | 9.11 | 75 | 20 | 3.22 | ug/l | # | 32 |
| 60) Dibromochloromethane | 9.34 | 129 | 50 | 3.78 | ug/l | # | 11 |
| 65) Chlorobenzene | 10.14 | 112 | 3651 | 0.51 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 82827 | 26.45 | ug/l | # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 82827 | 81.75 | ug/l | # | 7 |

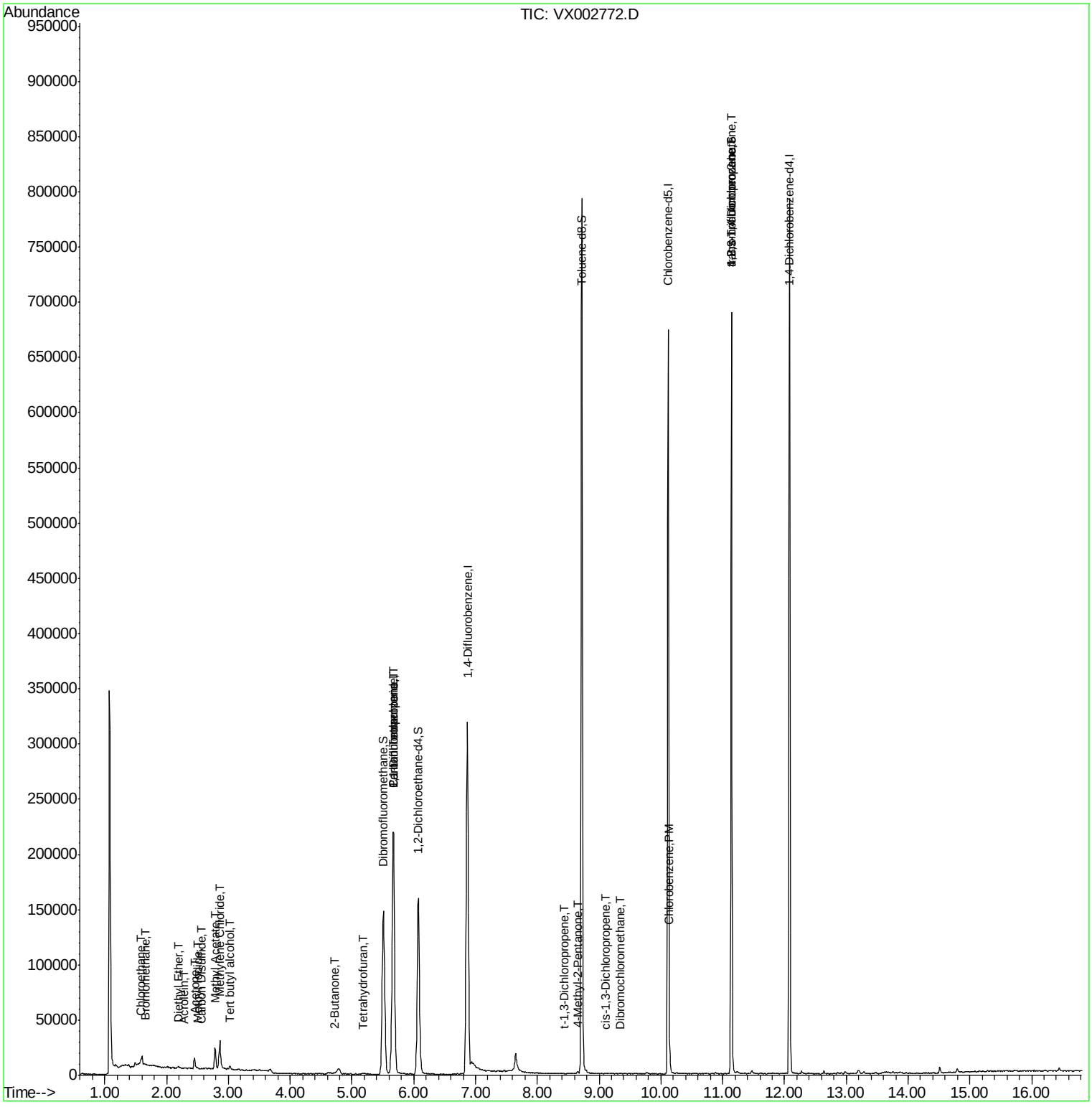
(#) = qualifier out of range (m) = manual integration (+) = signals summed

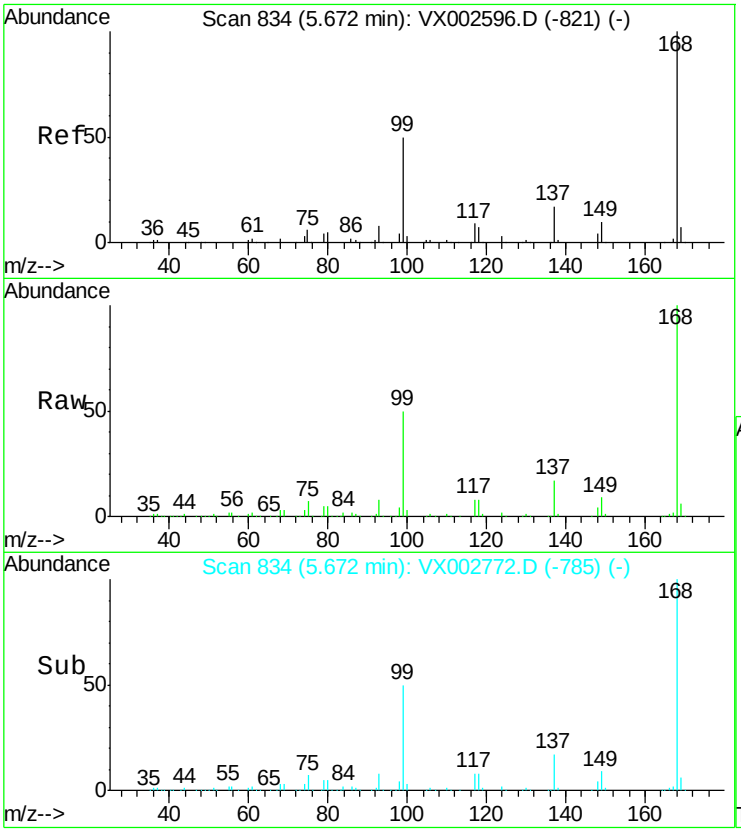
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002772.D
Acq On : 21 Jun 2018 05:38
Operator : JC/MD
Sample : PB110408ZHE#11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Jun 21 07:42:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration



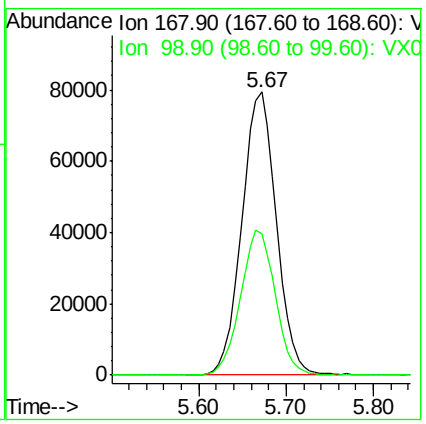


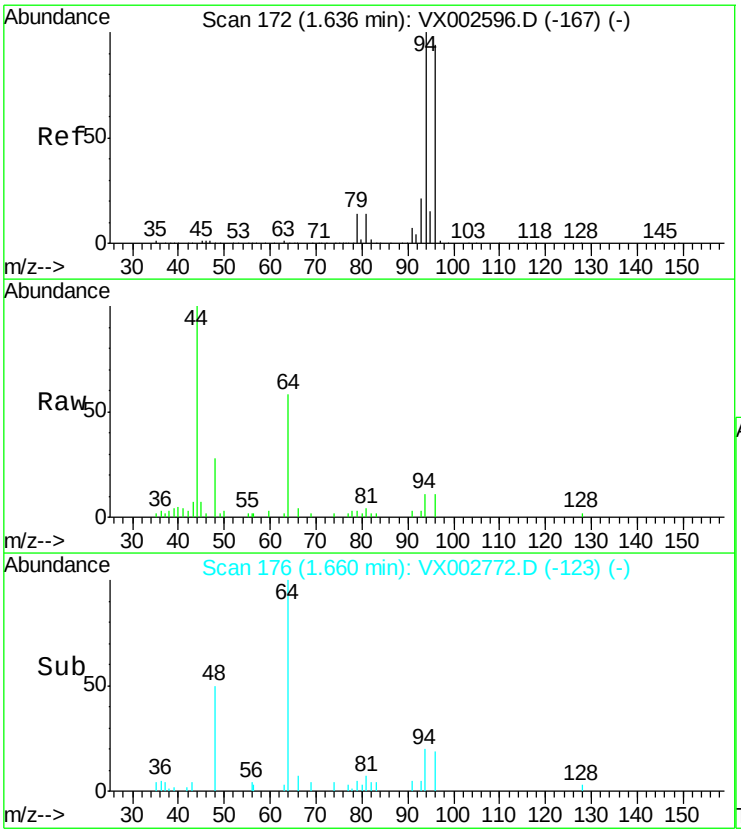

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:168 Resp: 217335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.8 | 39.3 | 58.9 |

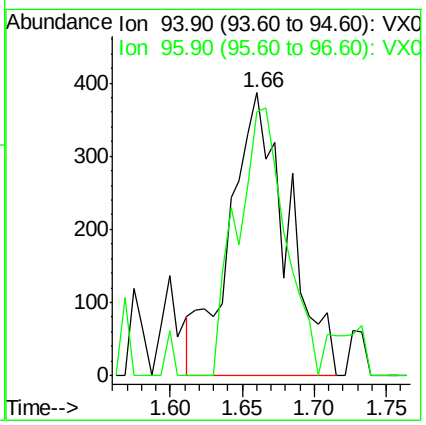


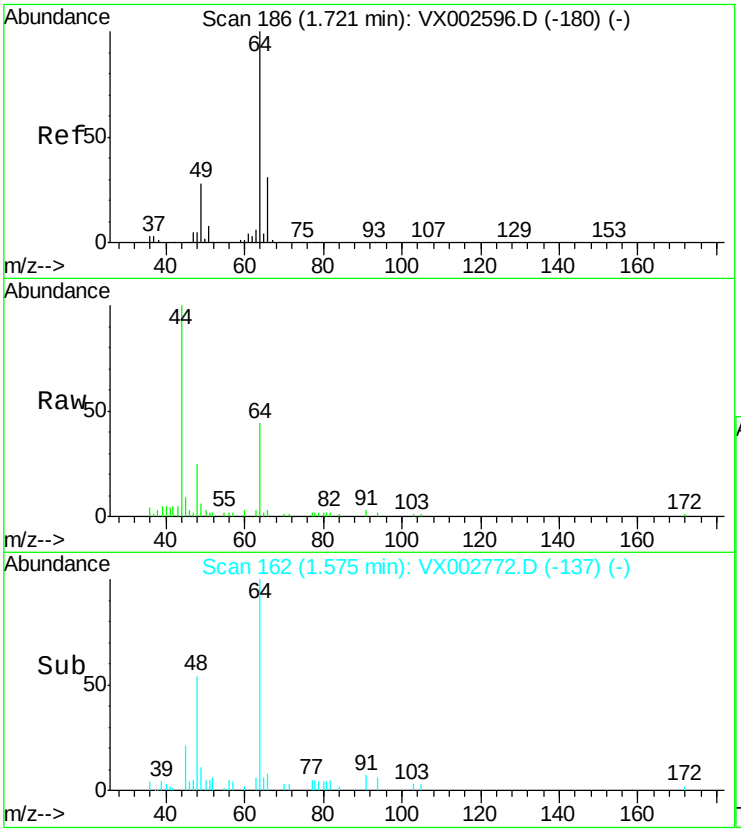




#5
Bromomethane
Concen: 0.63 ug/l
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 94 Resp: 1085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.3 | 74.9 | 112.3 |



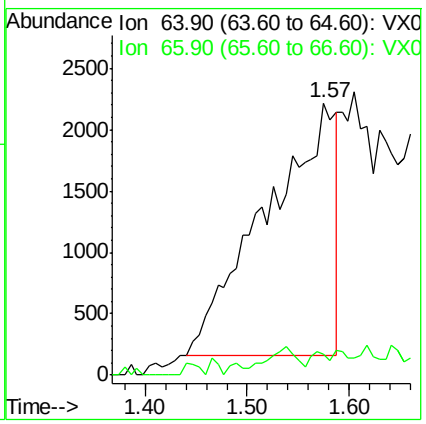


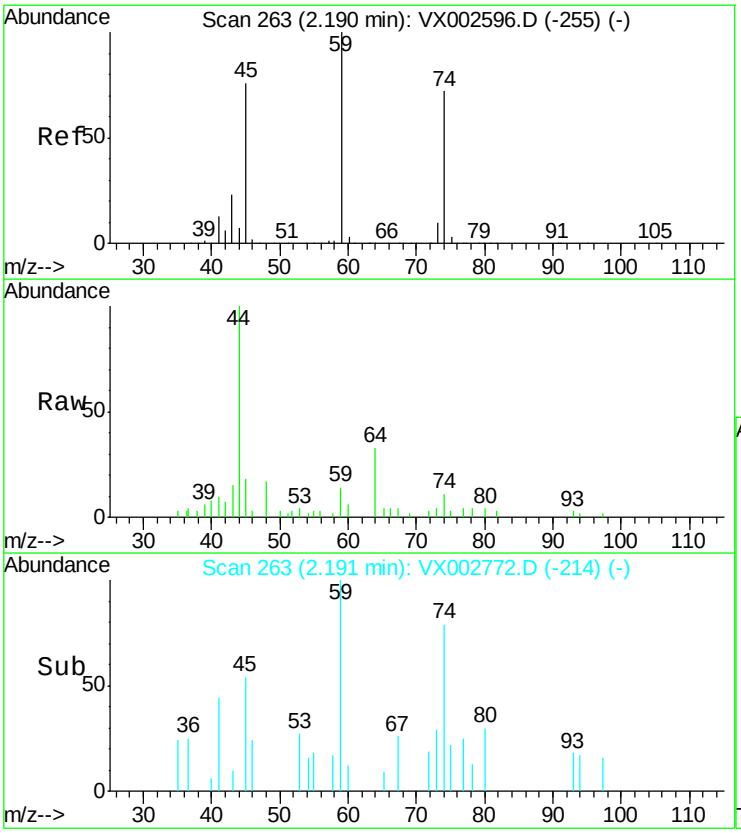

#6
Chloroethane
Concen: 5.22 ug/l
RT: 1.57 min Scan# 162
Delta R.T. -0.15 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 64 Resp: 9793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 3.6 | 25.5 | 38.3# |

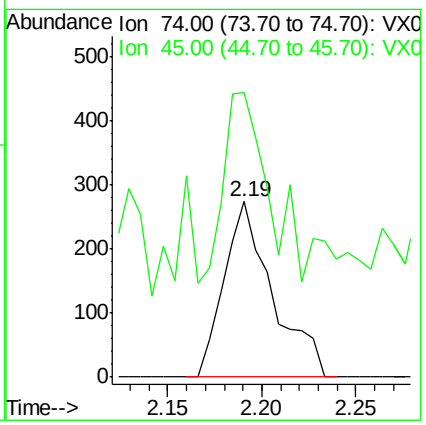


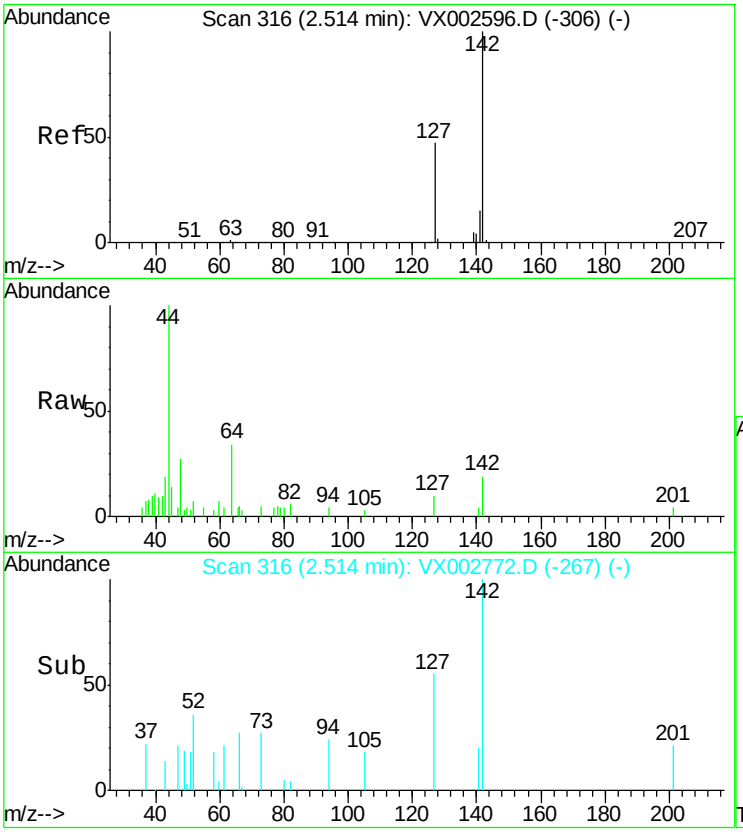




#8
Diethyl Ether
Concen: 0.28 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 74 Resp: 484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.5 | 53.1 | 159.4 |



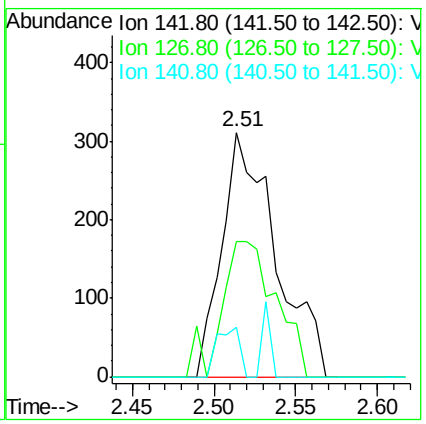


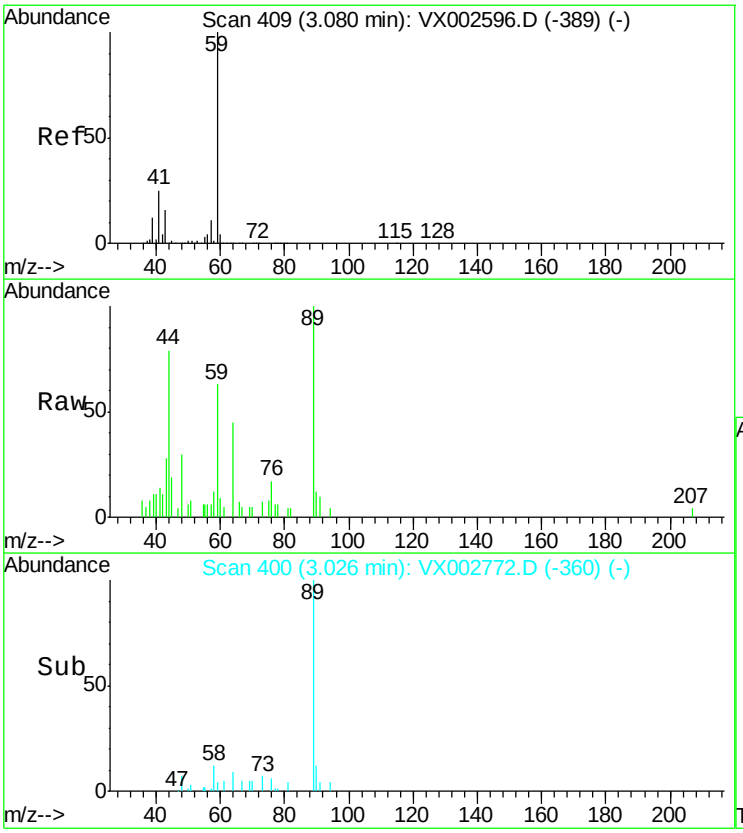

#10
Methyl Iodide
Concen: 5.37 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:142 Resp: 716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 55.4 | 36.6 | 55.0# |
| 141 | 8.8 | 11.3 | 16.9# |

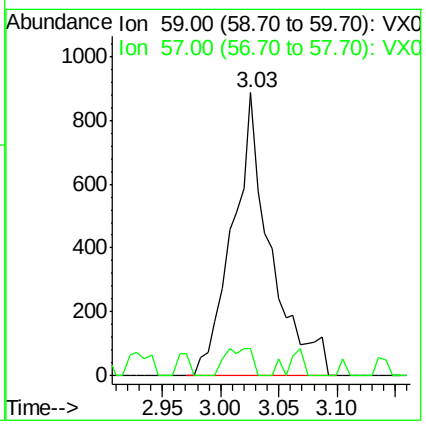


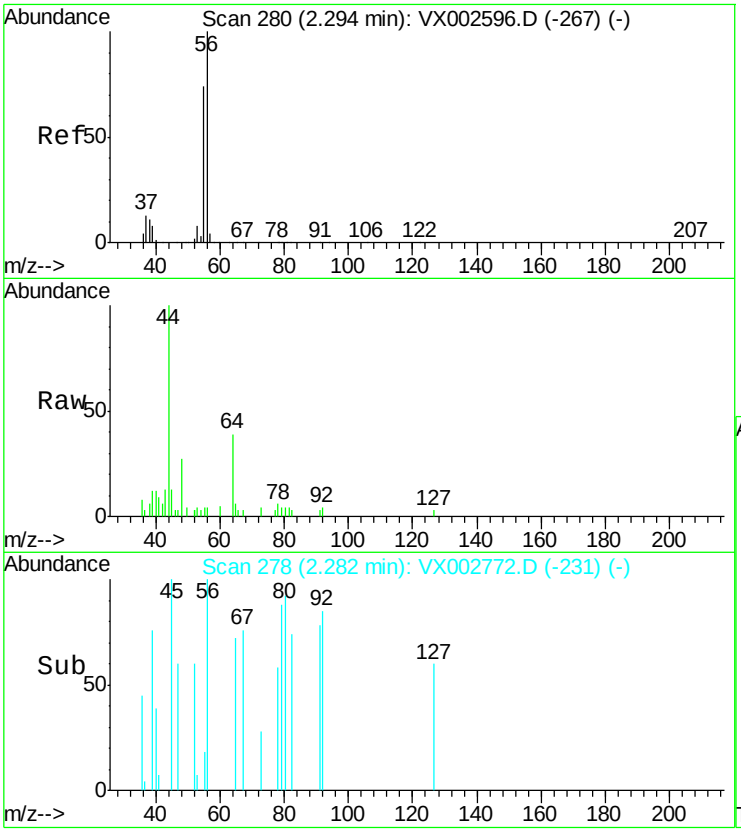




#11
Tert butyl alcohol
Concen: 2.94 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 59 Resp: 2005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.8 | 8.2 | 12.2# |



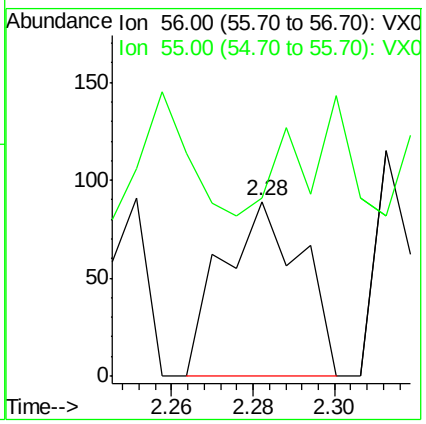


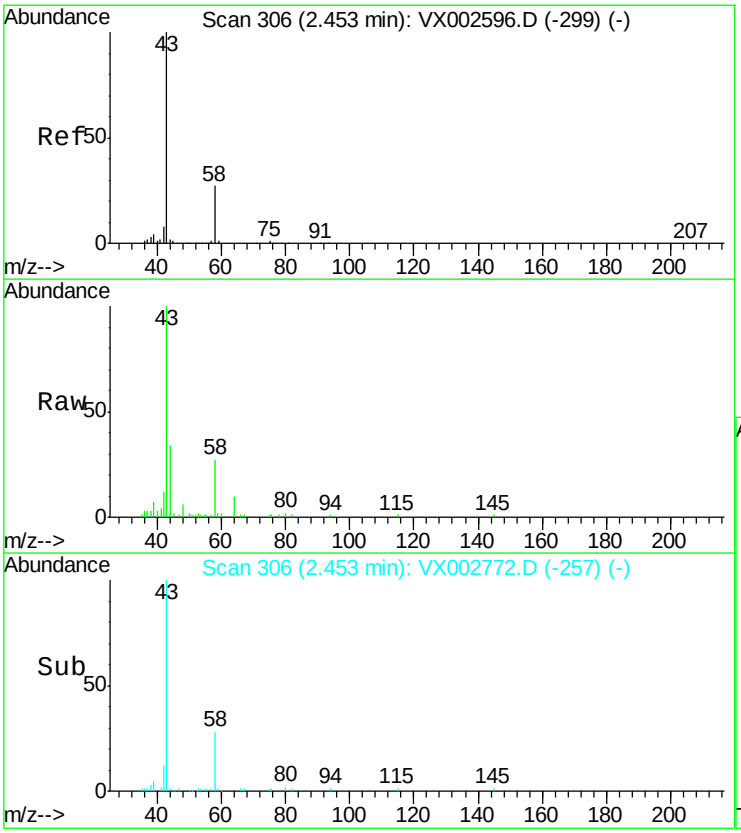

#13
Acrolein
Concen: 7.23 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 56 Resp: 120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 20.0 | 57.0 | 85.4# |

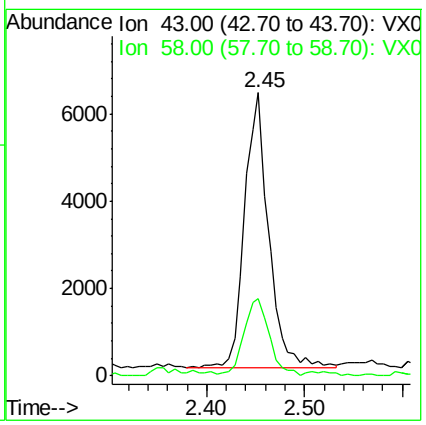


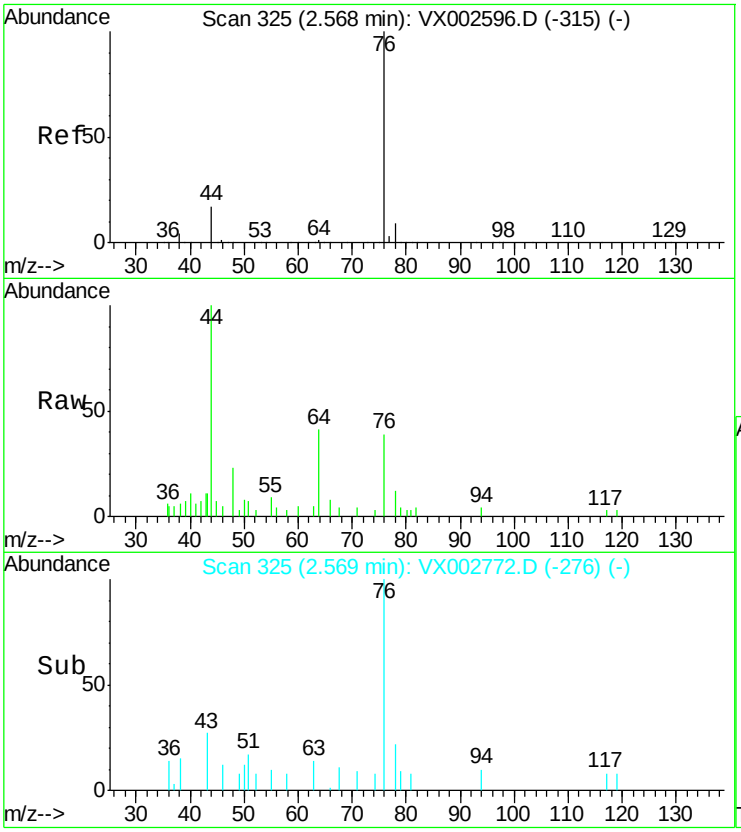




#16
Acetone
Concen: 7.36 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 43 Resp: 10726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.4 | 22.1 | 33.1 |



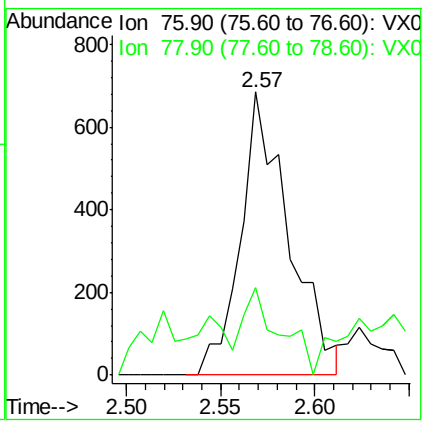


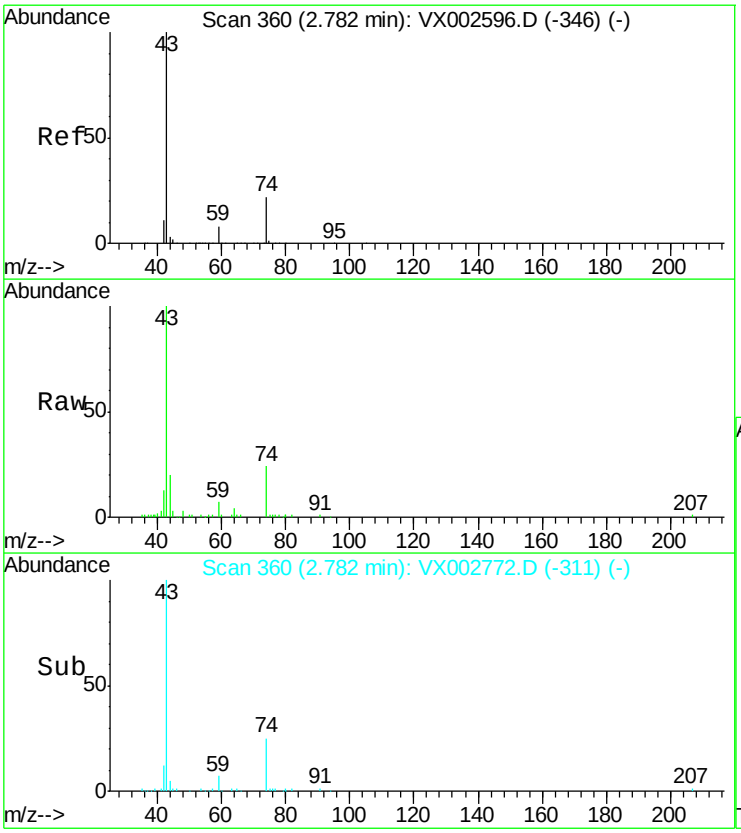

#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 76 Resp: 1215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 19.3 | 6.9 | 10.3# |

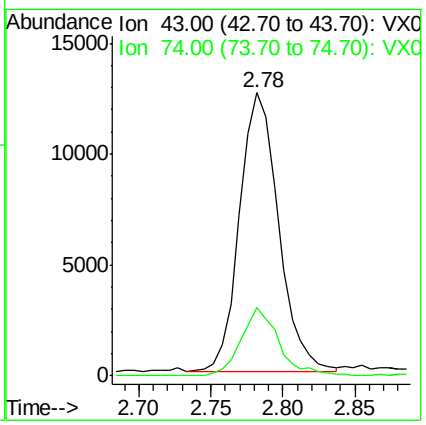


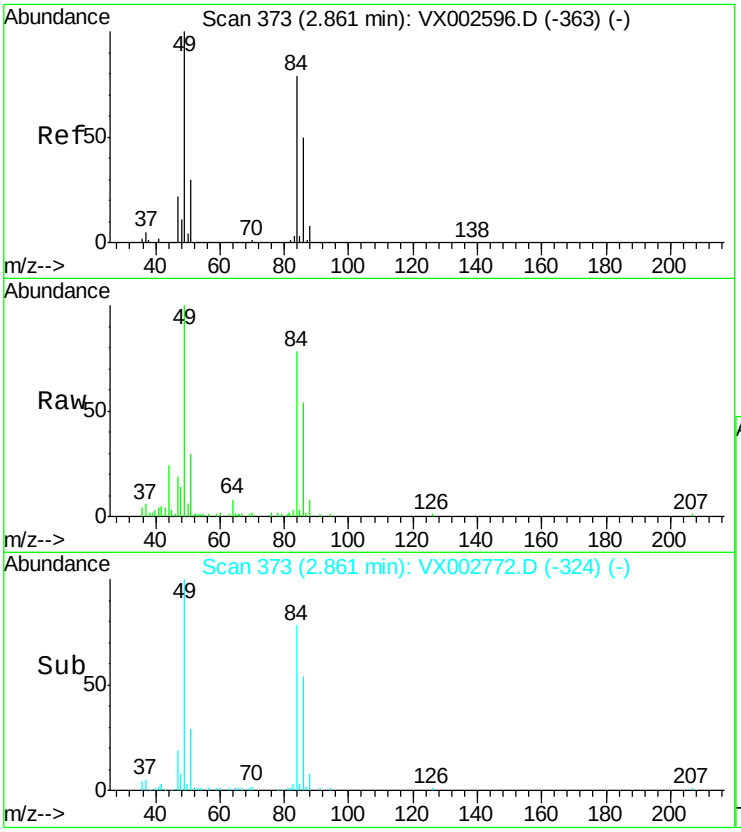




#18
Methyl Acetate
Concen: 6.08 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 43 Resp: 23593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 16.7 | 25.1 |



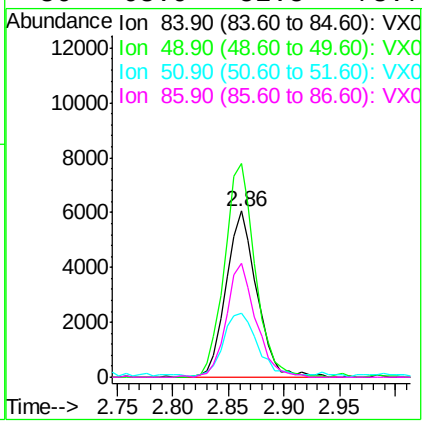


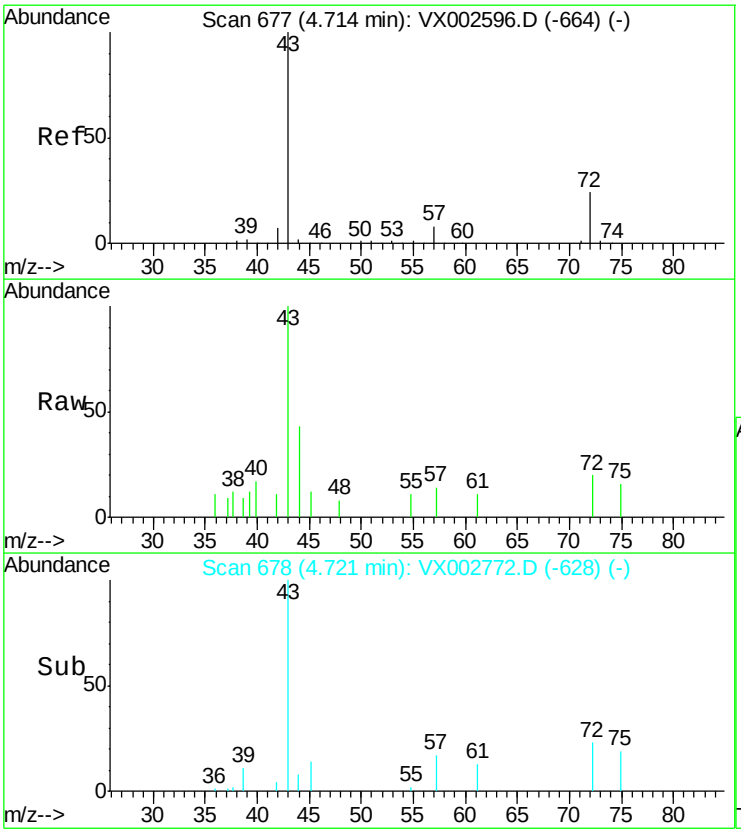

#20
Methylene Chloride
Concen: 3.88 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 84 Resp: 11596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.6 | 107.8 | 161.6 |
| 51 | 37.5 | 32.8 | 49.2 |
| 86 | 68.9 | 52.5 | 78.7 |

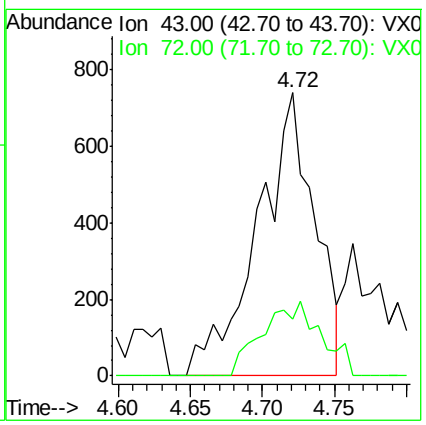


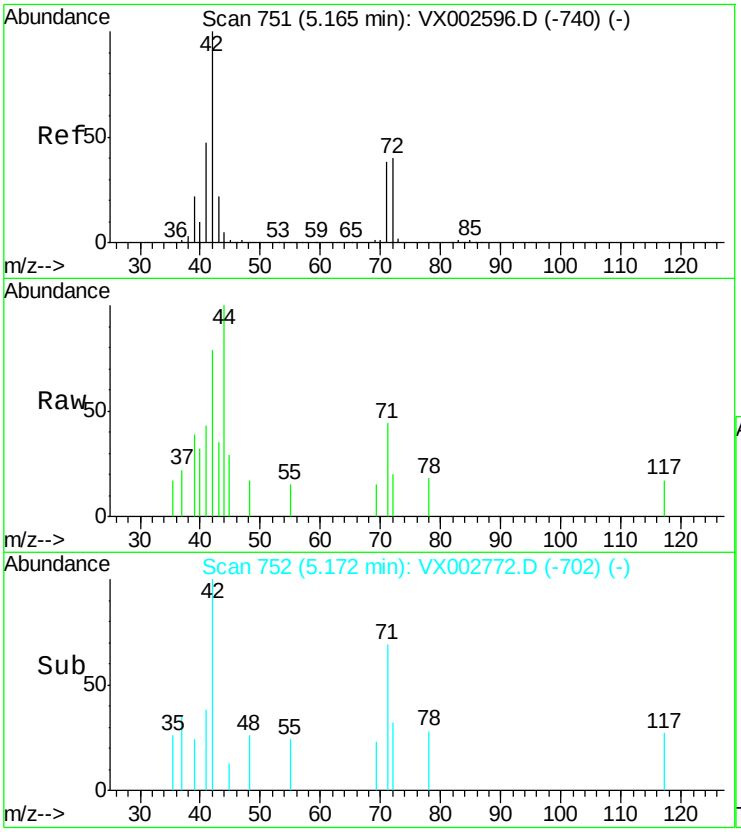




#25
2-Butanone
Concen: 1.07 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 43 Resp: 2048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.1 | 18.5 | 27.7 |



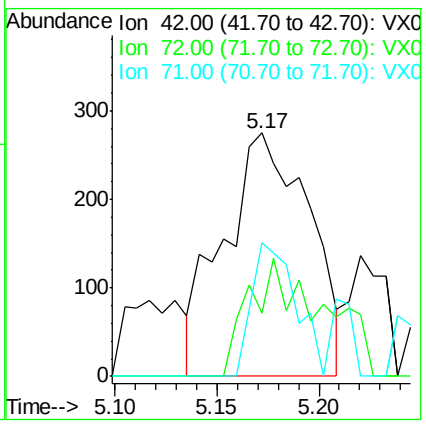


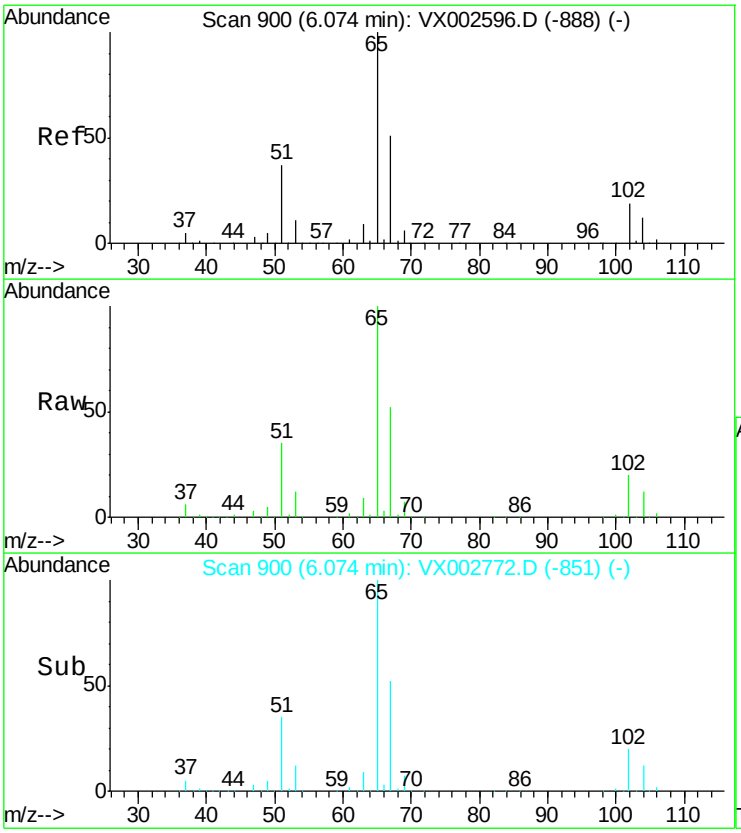

#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 42 Resp: 803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.7 | 32.0 | 48.0 |
| 71 | 28.5 | 30.1 | 45.1# |

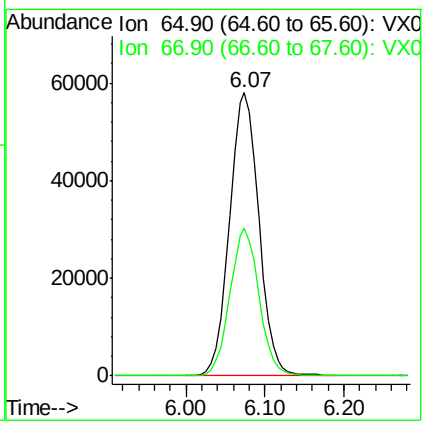


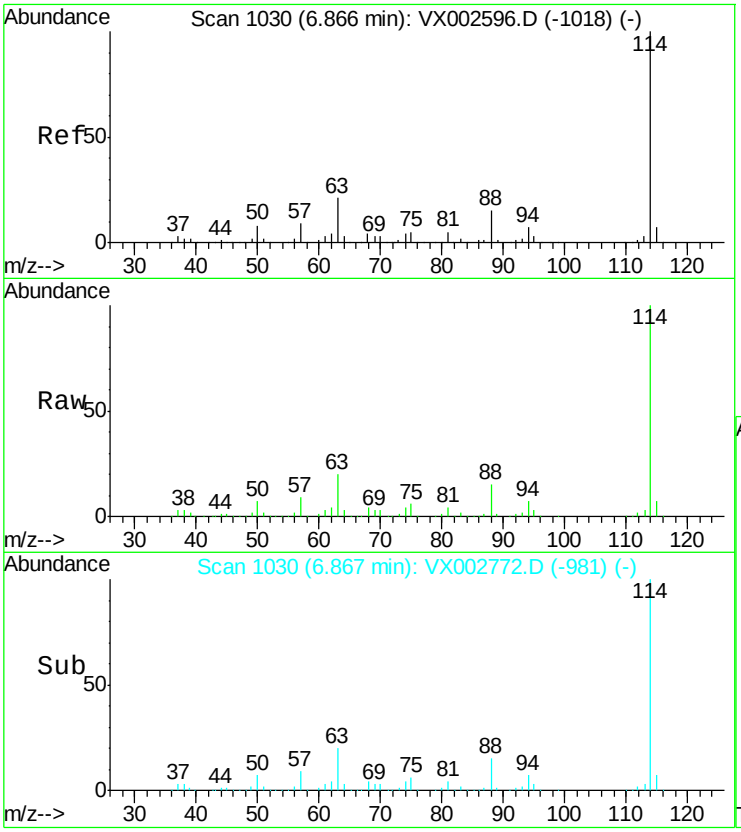




#33
1,2-Dichloroethane-d4
Concen: 45.53 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 65 Resp: 150385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 102.6 |



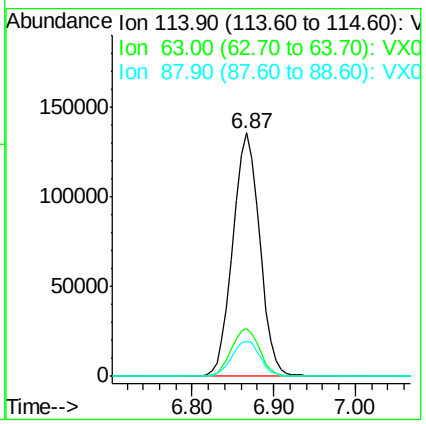


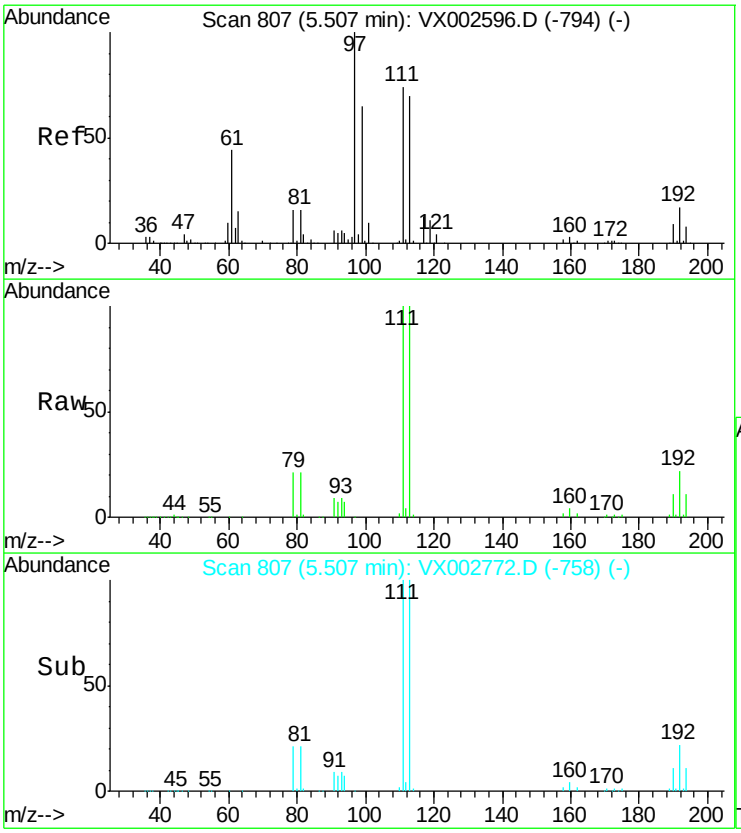

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:114 Resp: 310051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 41.4 |
| 88 | 14.6 | 0.0 | 30.0 |

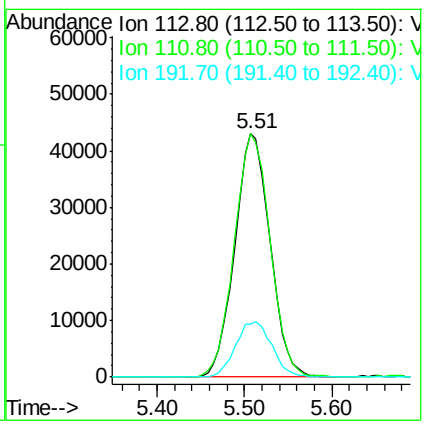


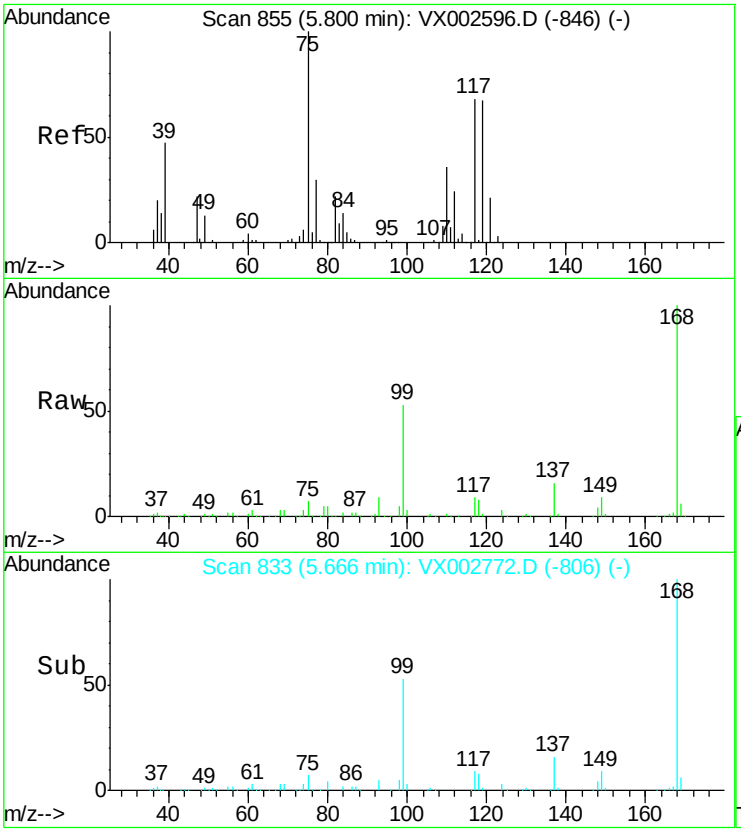




#35
Dibromofluoromethane
Concen: 48.81 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion:113 Resp: 120785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 81.4 | 122.0 |
| 192 | 23.6 | 19.1 | 28.7 |



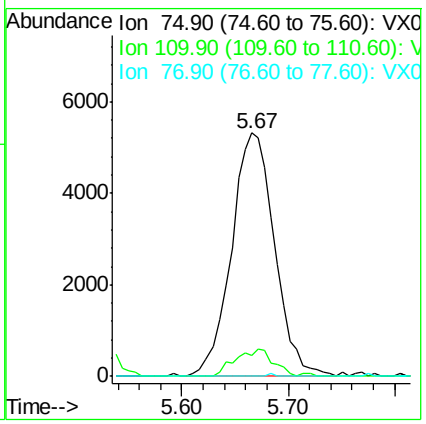


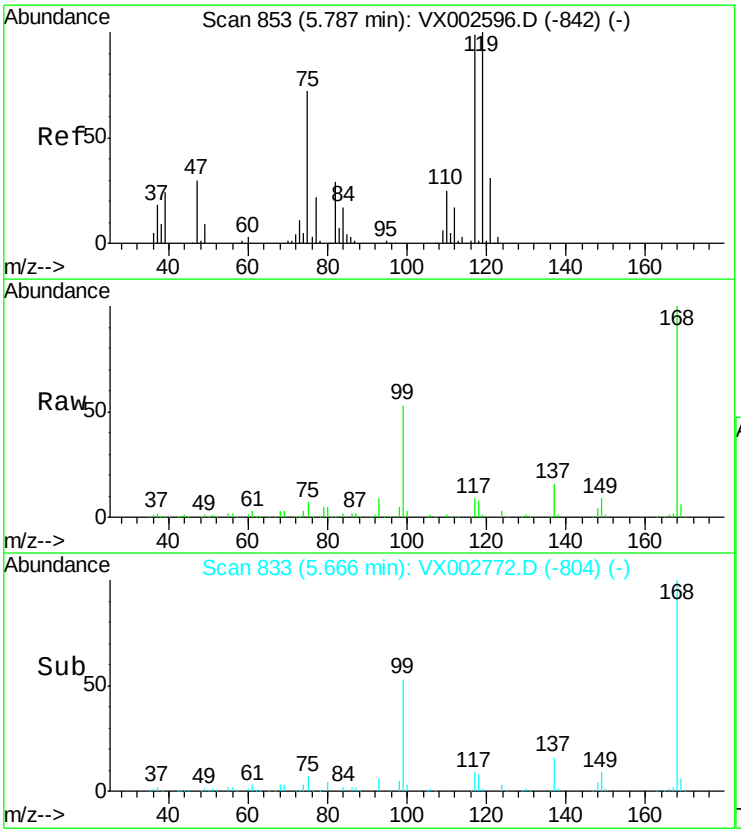

#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 75 Resp: 15078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.9 | 18.1 | 54.4# |
| 77 | 0.2 | 24.3 | 36.5# |

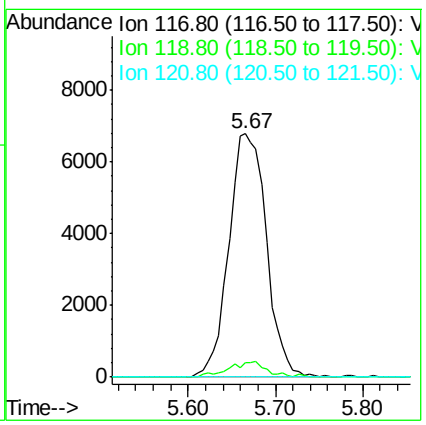


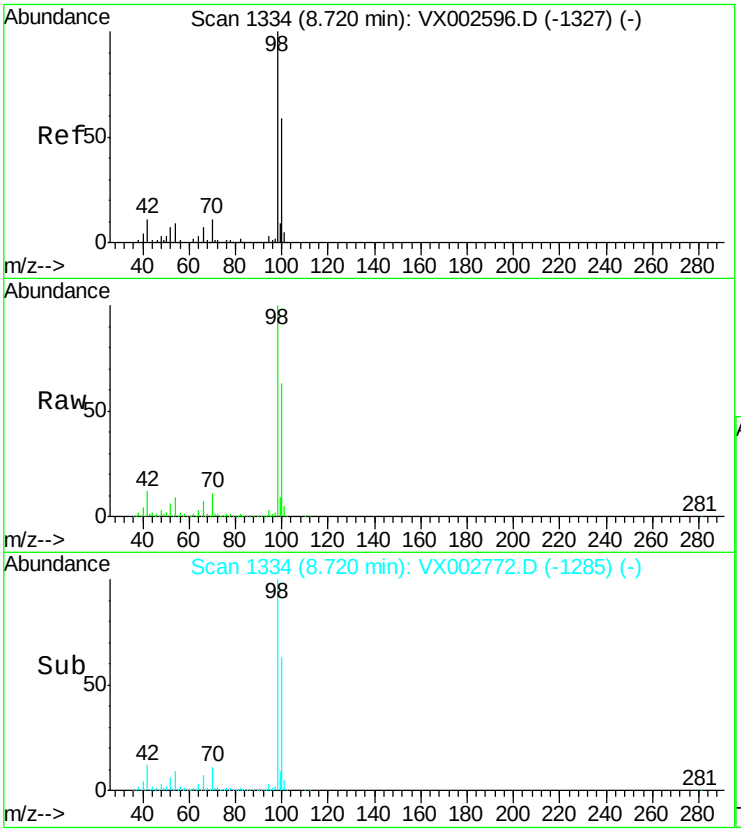




#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion:117 Resp: 20221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.1 | 77.4 | 116.0# |
| 121 | 0.0 | 24.4 | 36.6# |



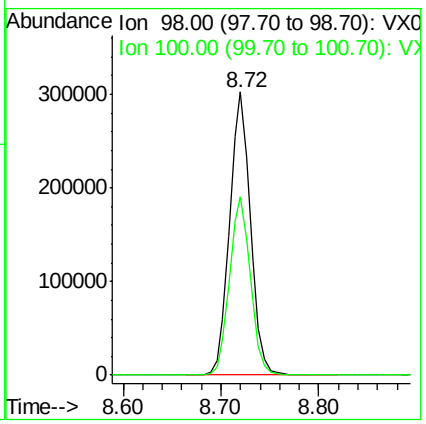


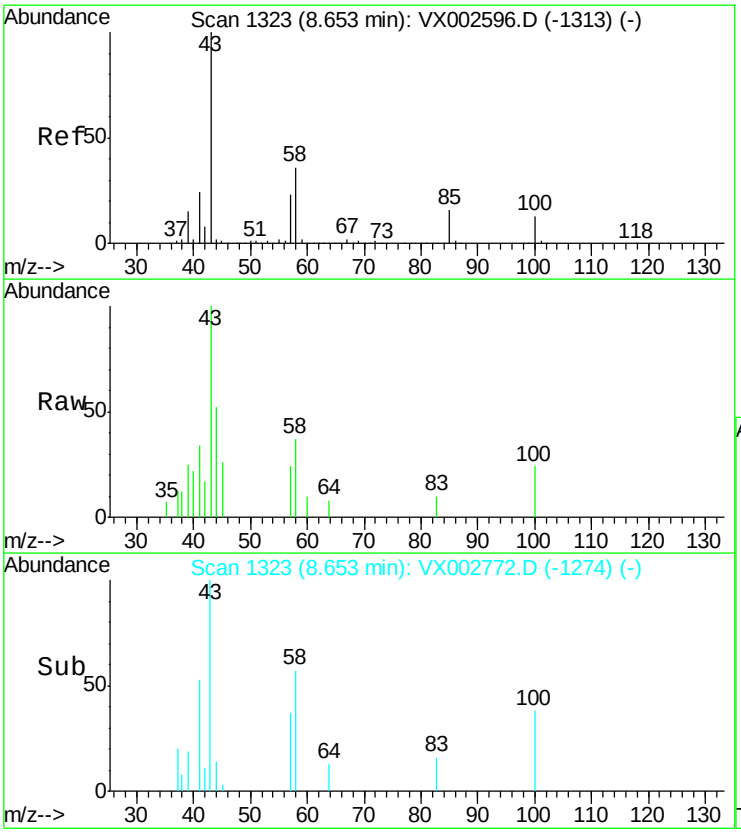

#50
Toluene-d8
Concen: 47.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 98 Resp: 446589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.2 | 50.9 | 76.3 |

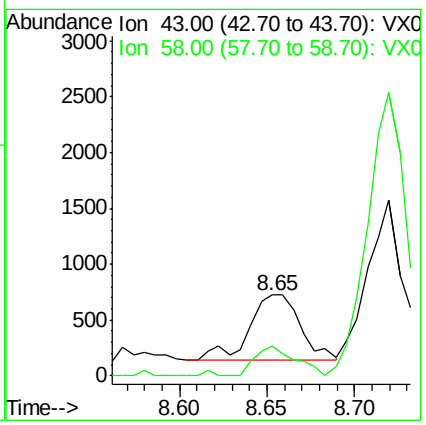


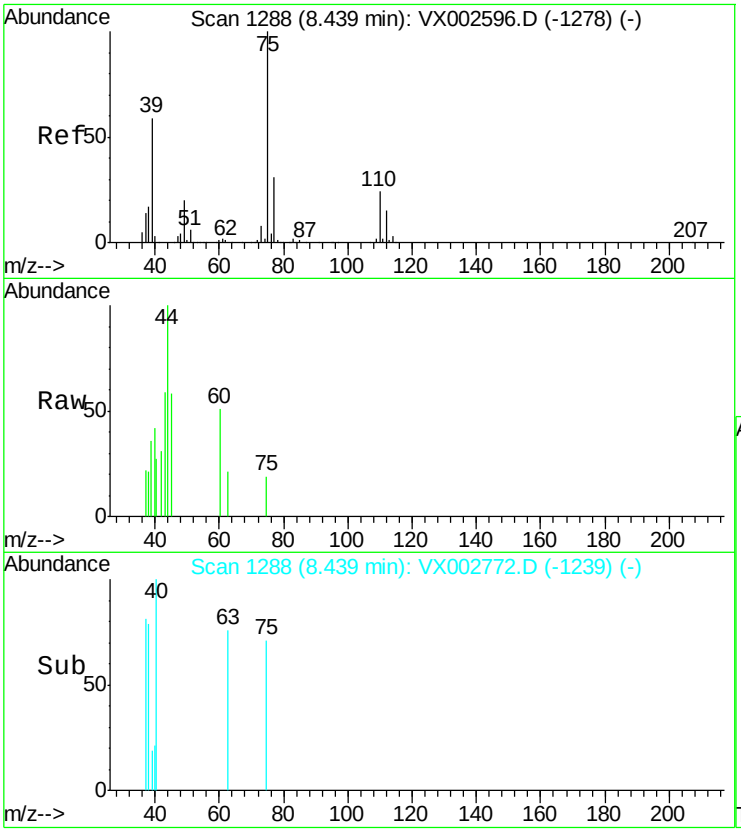




#51
4-Methyl-2-Pentanone
Concen: 0.30 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 43 Resp: 1192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 28.6 | 42.8 |



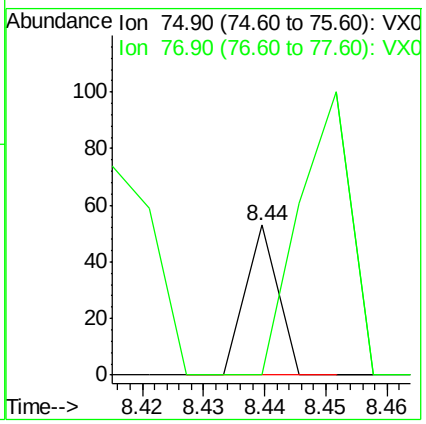


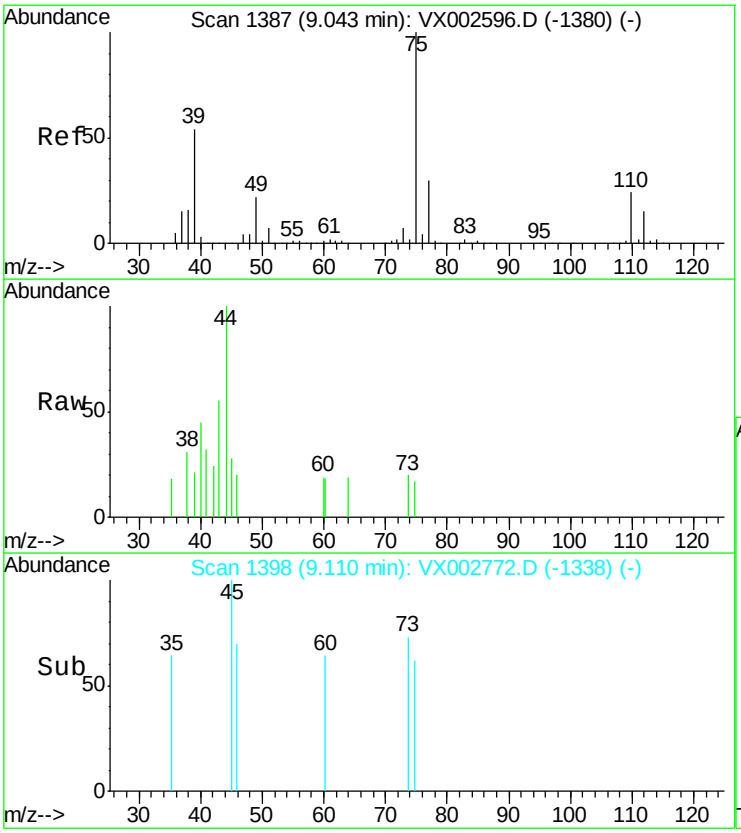

#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 75 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.2# |

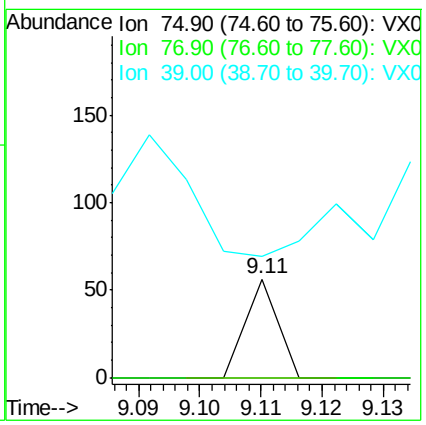


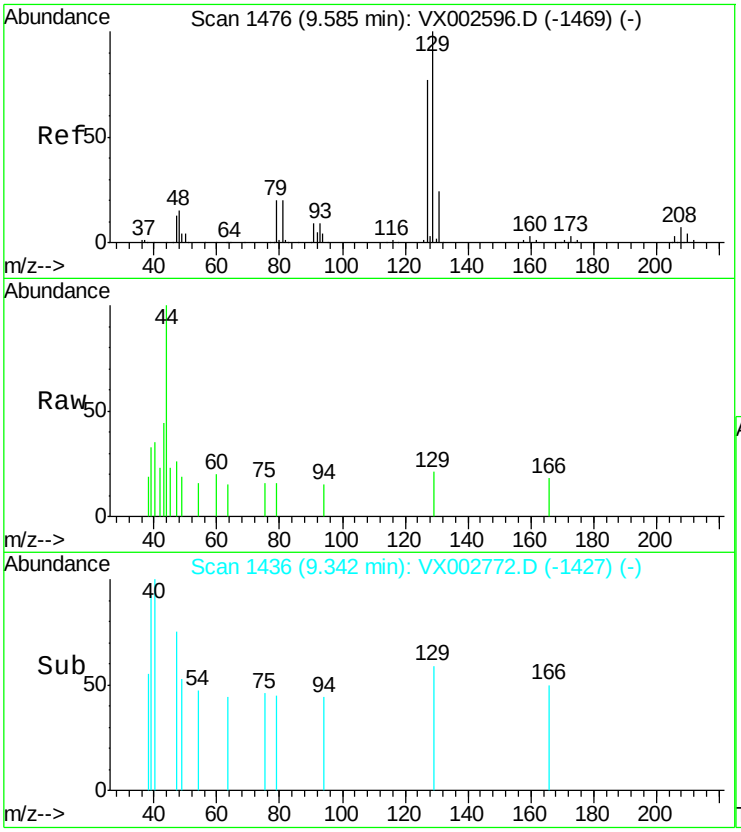




#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.11 min Scan# 1398
Delta R.T. 0.07 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 75 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 24.8 | 37.2# |
| 39 | 0.0 | 42.4 | 63.6# |



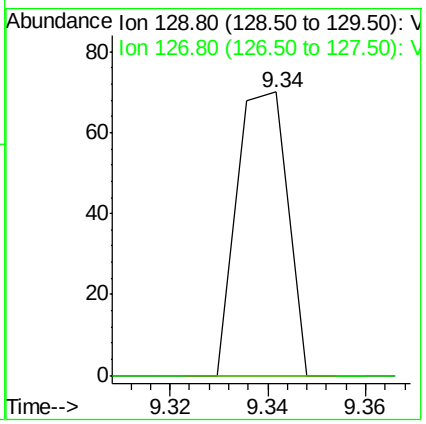


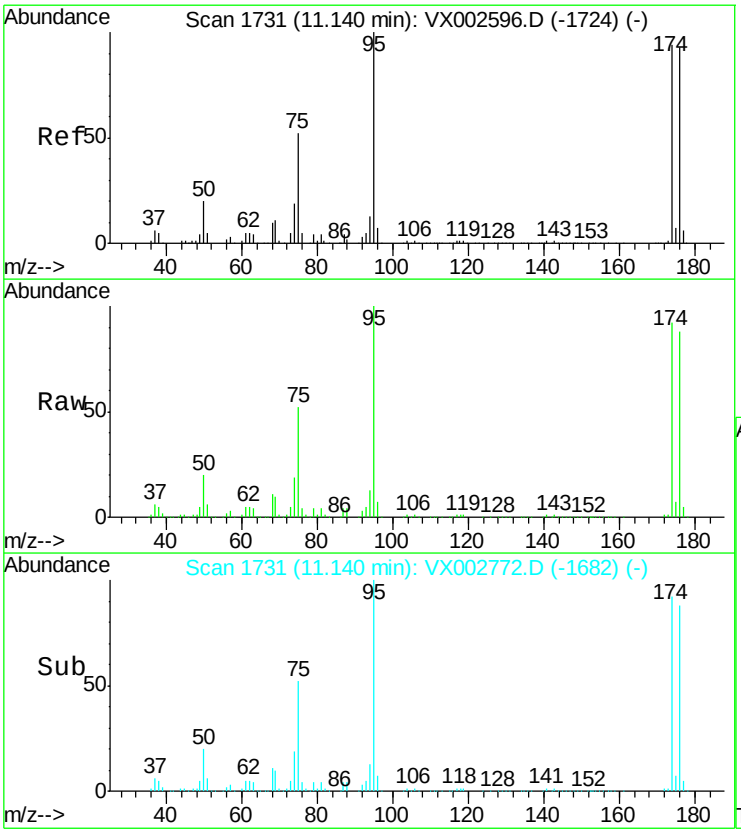

#60
Dibromochloromethane
Concen: 3.78 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:129 Resp: 50

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.5 | 115.3# |

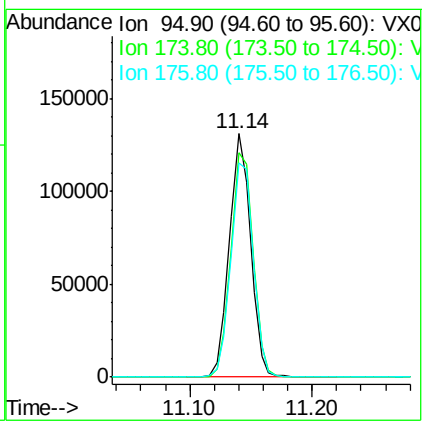


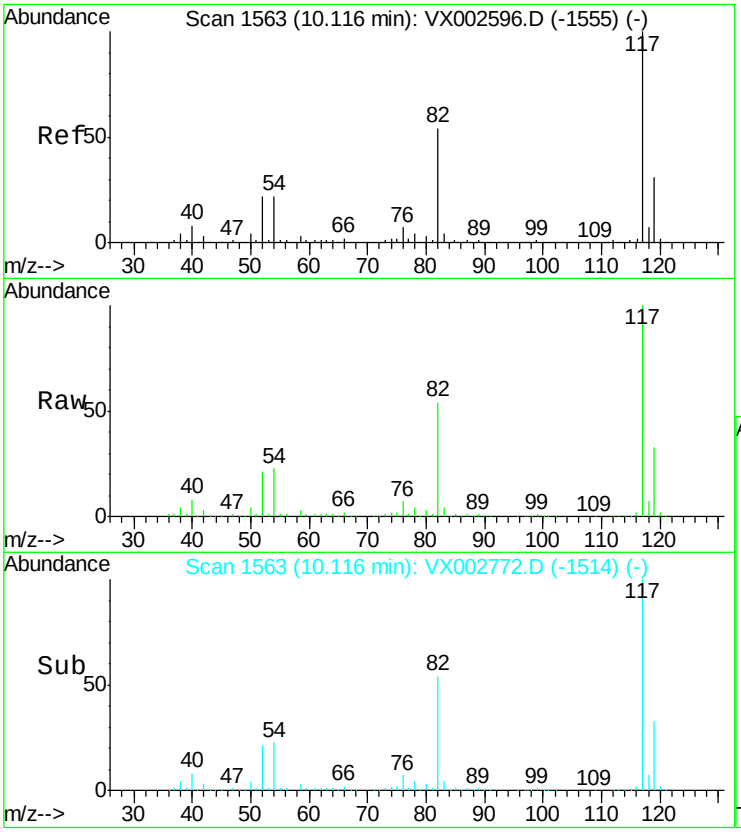




#62
4-Bromofluorobenzene
Concen: 44.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 95 Resp: 156710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 97.0 | 0.0 | 187.4 |
| 176 | 93.3 | 0.0 | 181.0 |



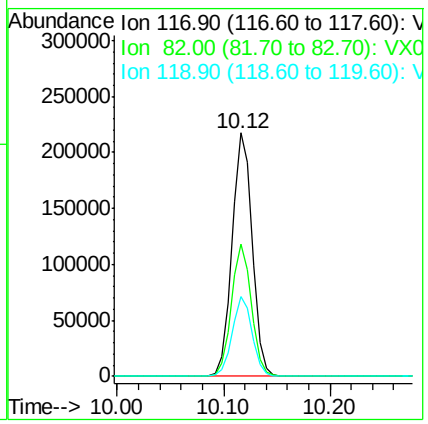


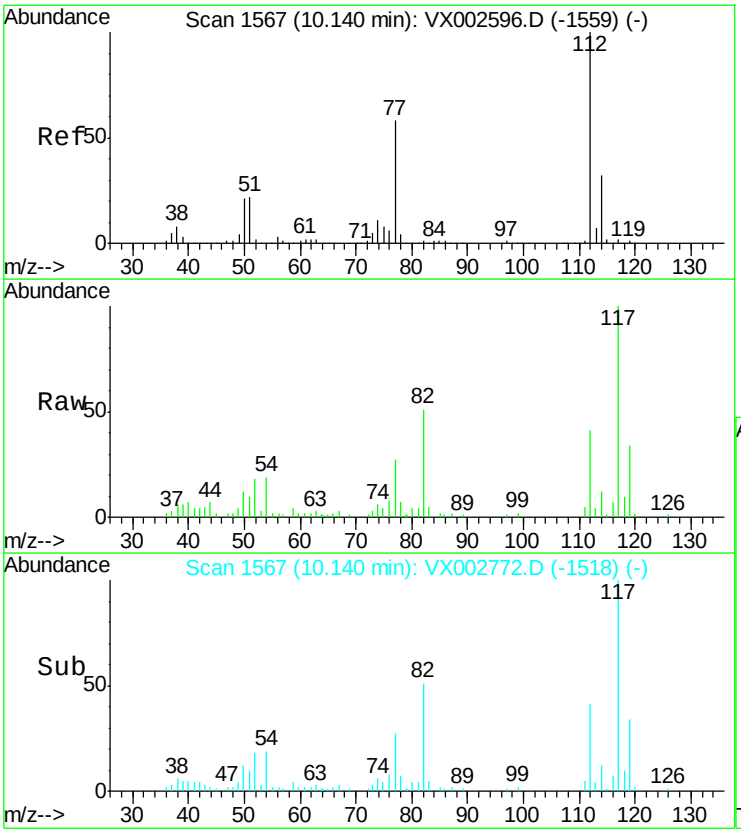

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:117 Resp: 290517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 45.0 | 67.4 |
| 119 | 32.8 | 25.8 | 38.6 |

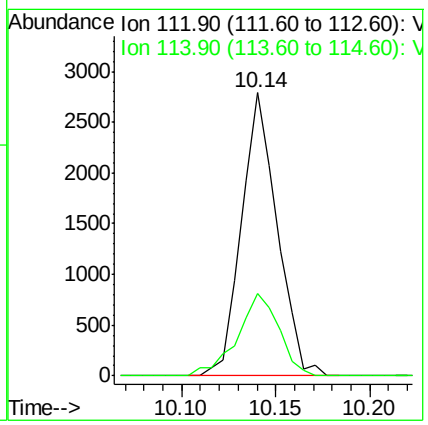


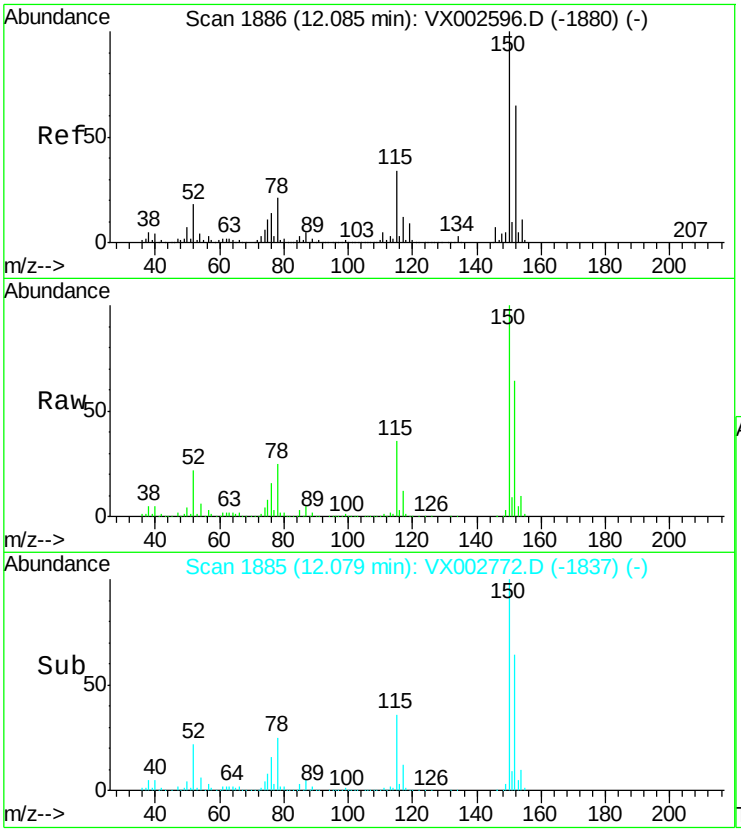




#65
Chlorobenzene
Concen: 0.51 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion:112 Resp: 3651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.2 | 25.3 | 37.9 |



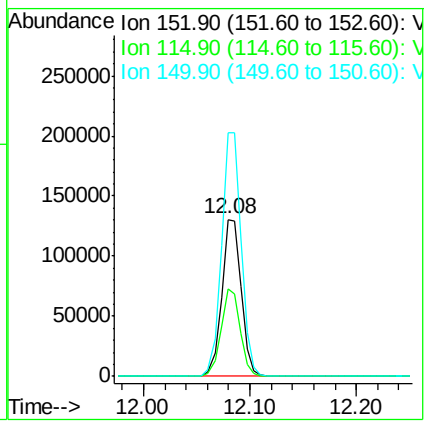


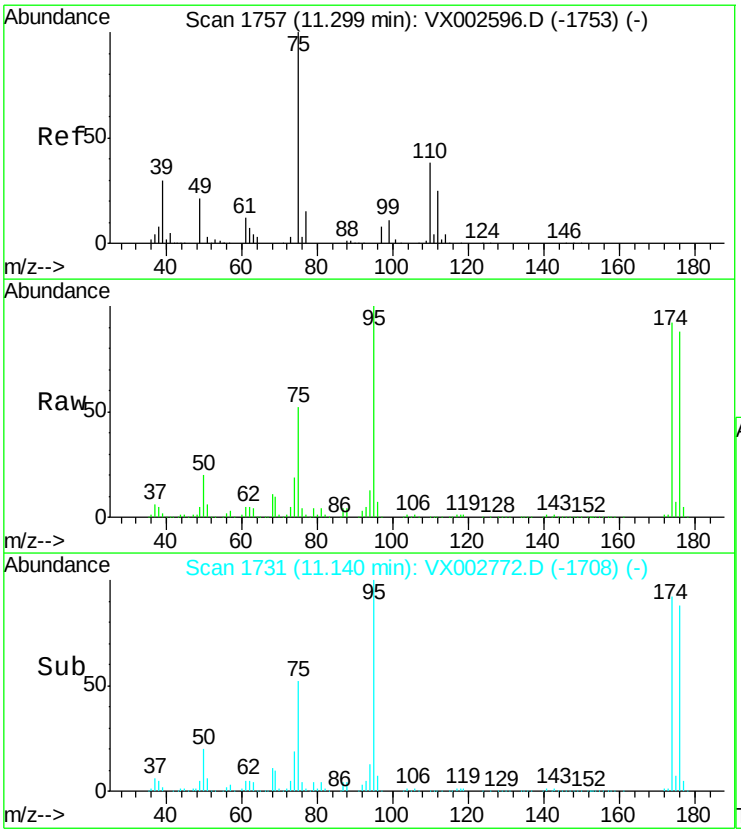

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion:152 Resp: 165926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.6 | 40.1 | 120.2 |
| 150 | 157.1 | 0.0 | 347.2 |

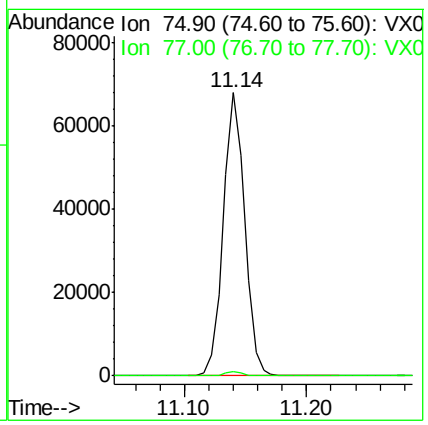


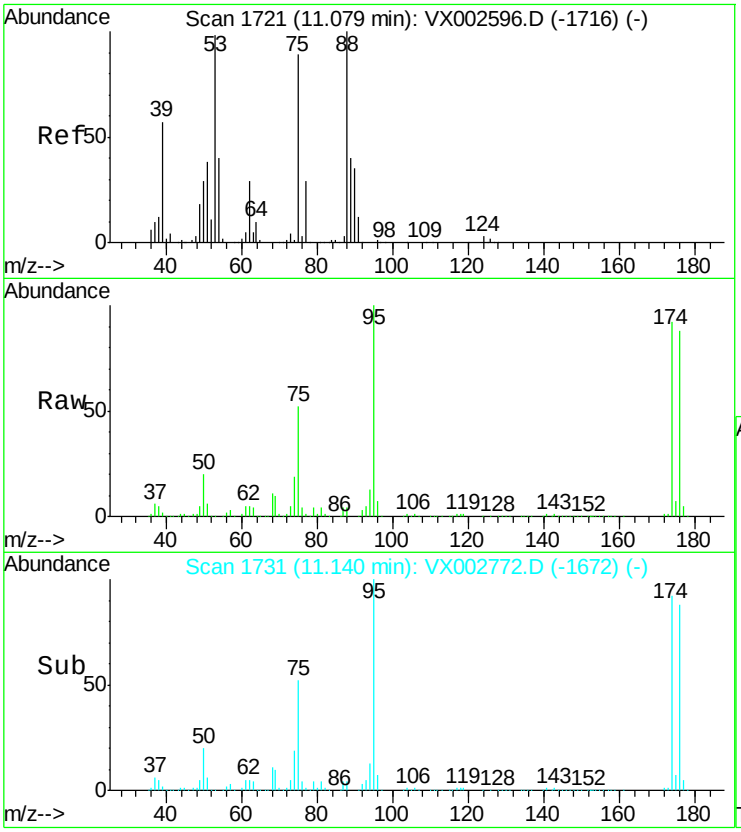




#76
1,2,3-Trichloropropane
Concen: 26.45 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

Tgt Ion: 75 Resp: 82827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 22.8 | 68.3# |






#81
trans-1,4-Dichloro-2-butene
Concen: 81.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002772.D
Acq: 21 Jun 2018 05:38

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

Tgt Ion: 75 Resp: 82827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 86.8 | 130.2# |
| 89 | 0.0 | 38.2 | 57.2# |