Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050318\

Quantitation Report (Not Reviewed)

Data File : VX001369.D
Acq On : 03 May 2018 19:45
Operator : JC/MD
Sample : J2713-08 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TP-2

Quant Time: May 04 07:16:16 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 149666 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 210936 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 191292 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 95779 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.08 | 65 | 80281 | 38.75 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 77.50% | | | | |
| 35) Dibromofluoromethane | 5.52 | 113 | 66674 | 36.69 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 73.38% | | | | |
| 50) Toluene-d8 | 8.73 | 98 | 249179 | 38.38 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.76% | | | | |
| 62) 4-Bromofluorobenzene | 11.15 | 95 | 80914 | 31.16 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 62.32% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.66 | 94 | 368 | Below Cal | | # | 48 |
| 10) Methyl Iodide | 2.51 | 142 | 417 | 4.54 | ug/l | # | 87 |
| 11) Tert butyl alcohol | 3.03 | 59 | 1025 | 2.88 | ug/l | # | 86 |
| 13) Acrolein | 2.30 | 56 | 75 | 0.37 | ug/l | # | 1 |
| 15) Acrylonitrile | 3.16 | 53 | 268 | 0.32 | ug/l | # | 46 |
| 16) Acetone | 2.45 | 43 | 3313 | 3.75 | ug/l | | 90 |
| 18) Methyl Acetate | 2.79 | 43 | 3946 | 1.89 | ug/l | | 97 |
| 25) 2-Butanone | 4.74 | 43 | 808 | 0.68 | ug/l | | 99 |
| 29) Tetrahydrofuran | 5.18 | 42 | 638 | 0.87 | ug/l | # | 47 |
| 30) Chloroform | 5.21 | 83 | 668 | 0.22 | ug/l | # | 71 |
| 31) Cyclohexane | 5.67 | 56 | 2680 | 1.05 | ug/l | # | 10 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 9341 | 3.84 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 12923 | 5.07 | ug/l | # | 19 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 41597 | 23.49 | ug/l | # | 40 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 41597 | 74.15 | ug/l | # | 6 |
| 95) Naphthalene | 13.84 | 128 | 6749 | 0.96 | ug/l | | 98 |

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

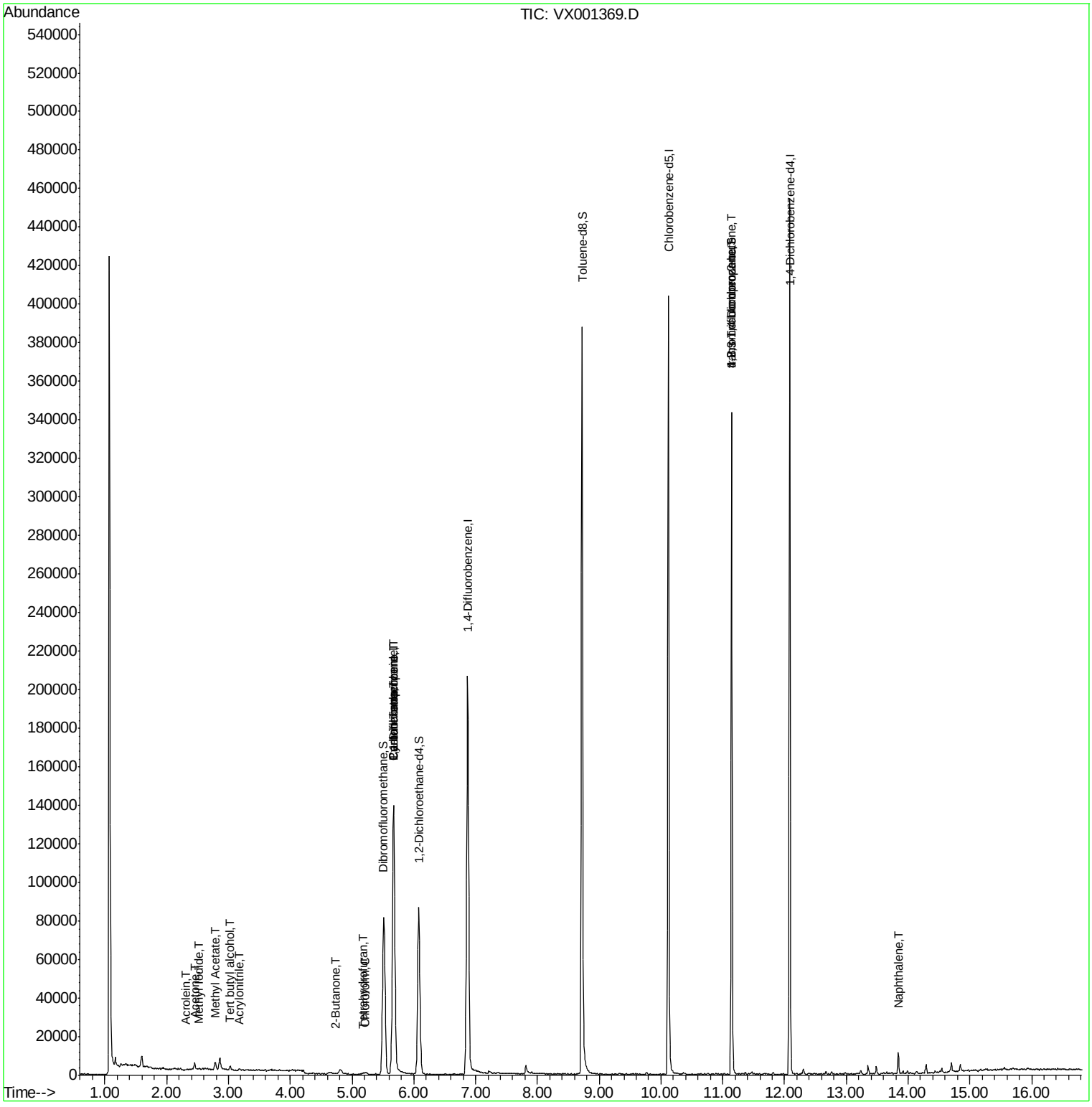
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050318\

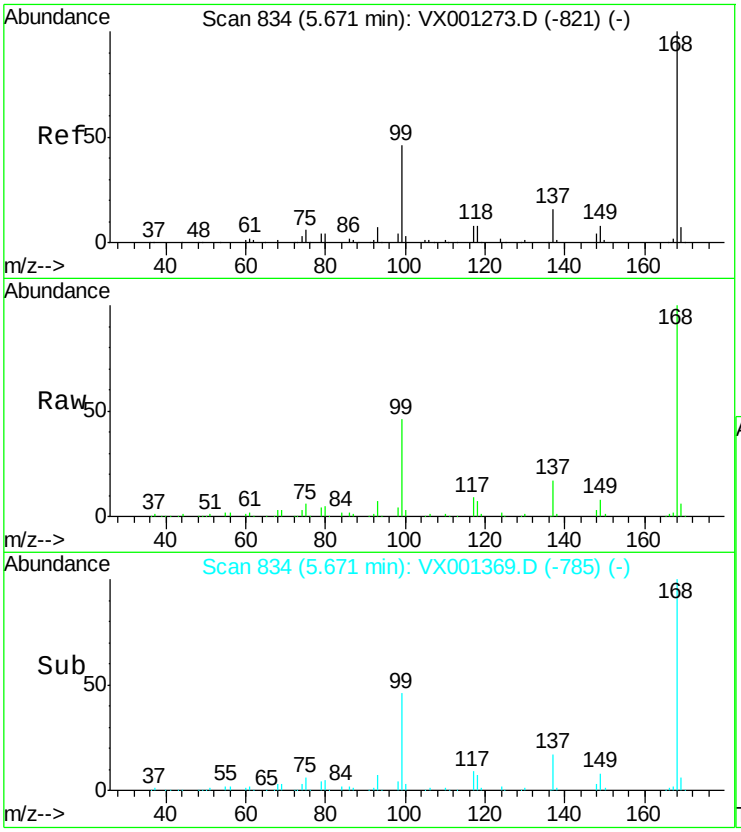
Quantitation Report (Not Reviewed)

Data File : VX001369.D
Acq On : 03 May 2018 19:45
Operator : JC/MD
Sample : J2713-08 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TP-2

Quant Time: May 04 07:16:16 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration



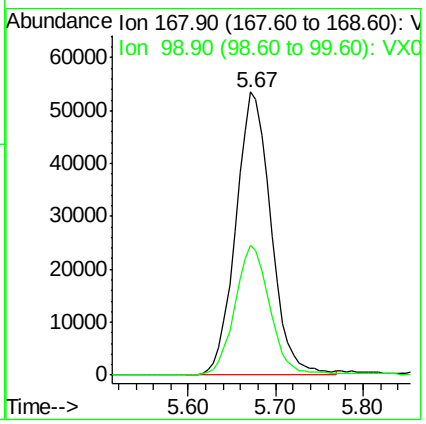


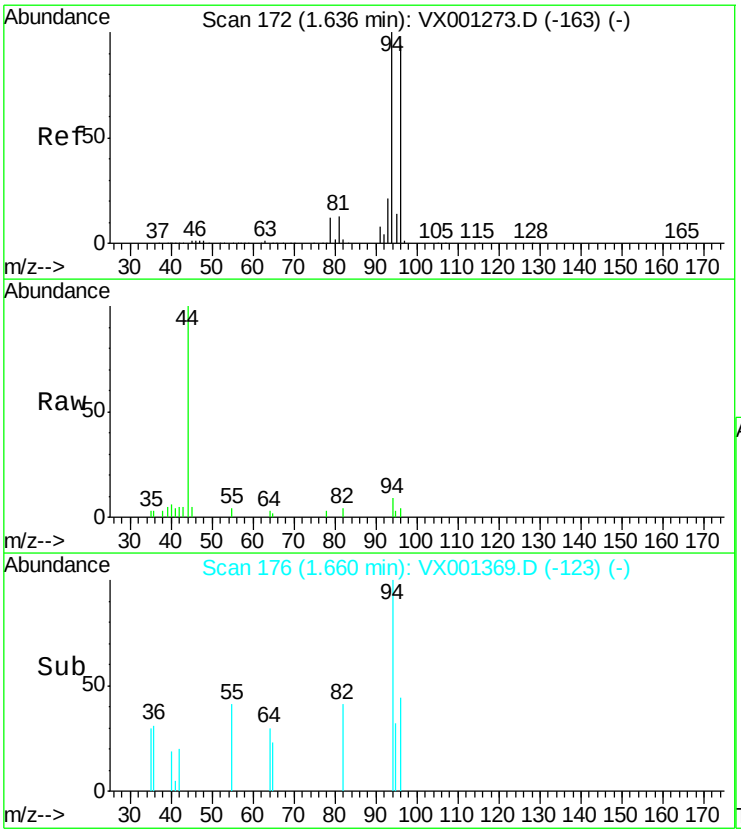

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion:168 Resp: 149666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 45.8 | 36.5 | 54.7 |

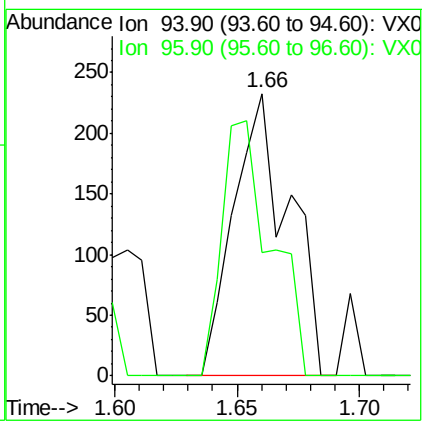


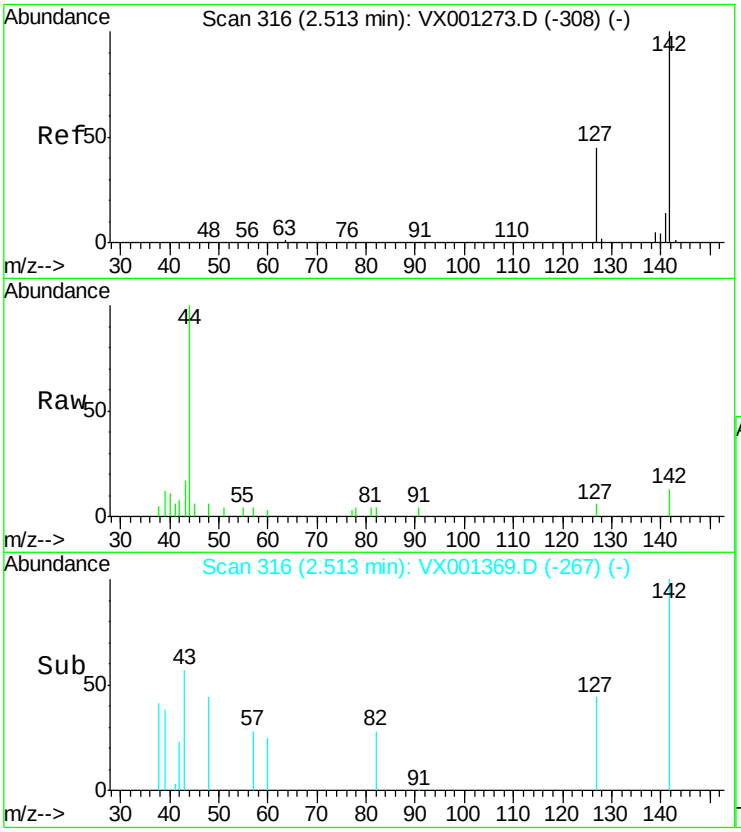




#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 94 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 43.8 | 75.6 | 113.4# |



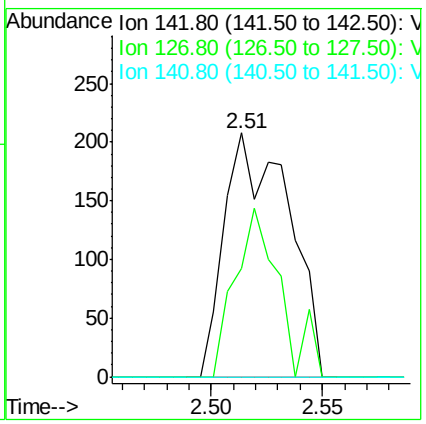


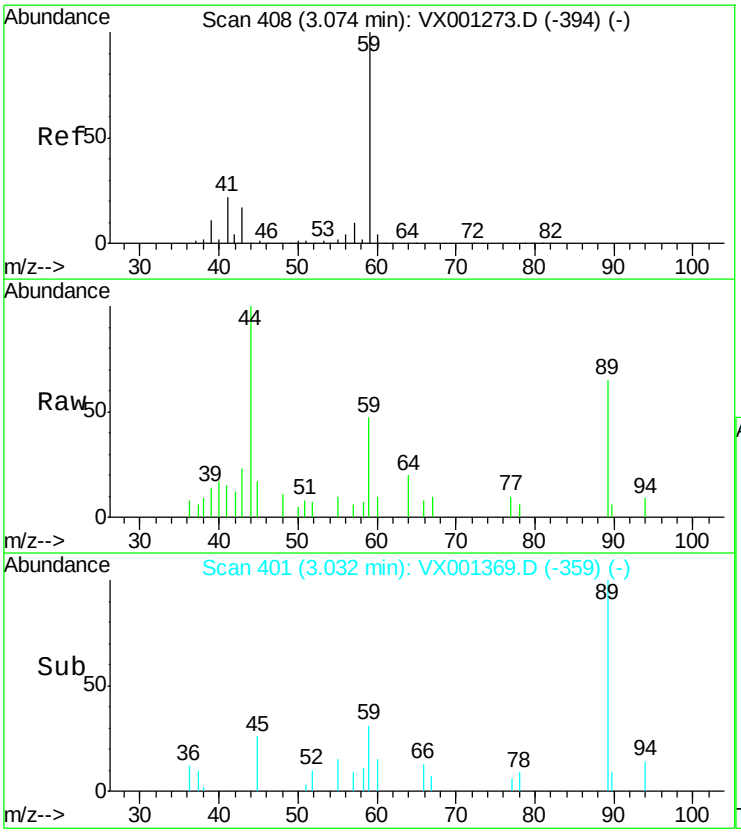

#10
Methyl Iodide
Concen: 4.54 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion:142 Resp: 417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.4 | 35.7 | 53.5 |
| 141 | 0.0 | 11.4 | 17.0# |

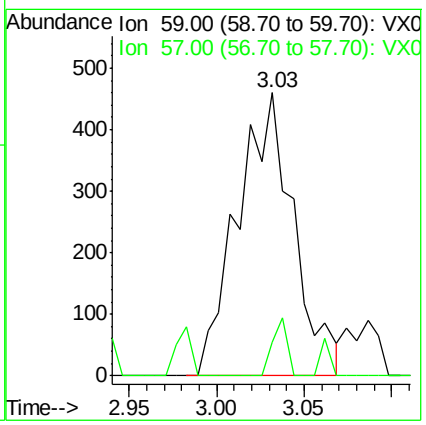


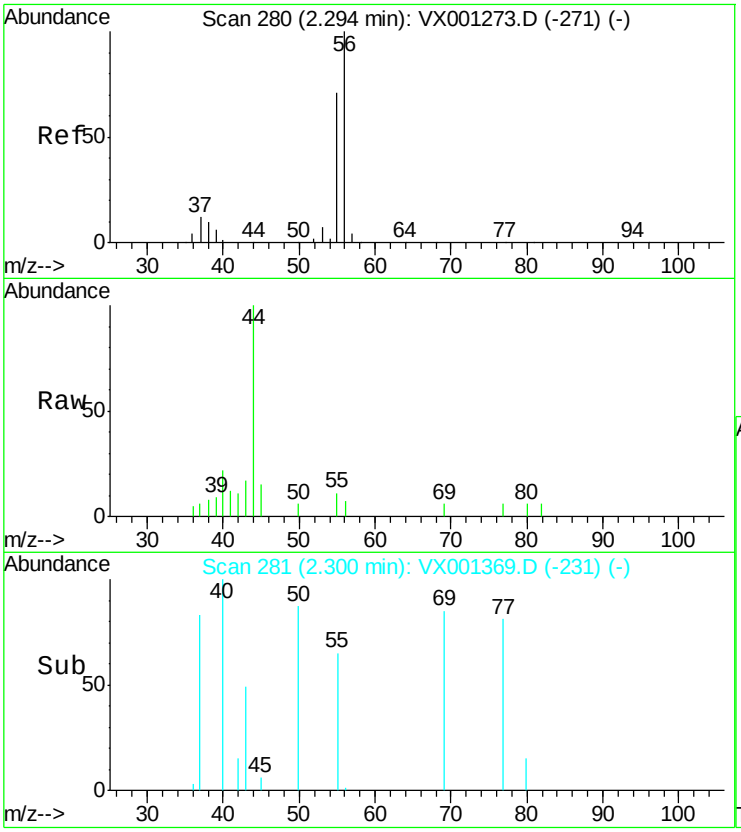




#11
Tert butyl alcohol
Concen: 2.88 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 59 Resp: 1025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.3 | 8.6 | 12.8# |



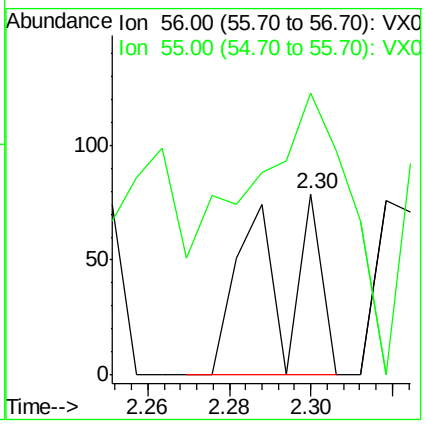


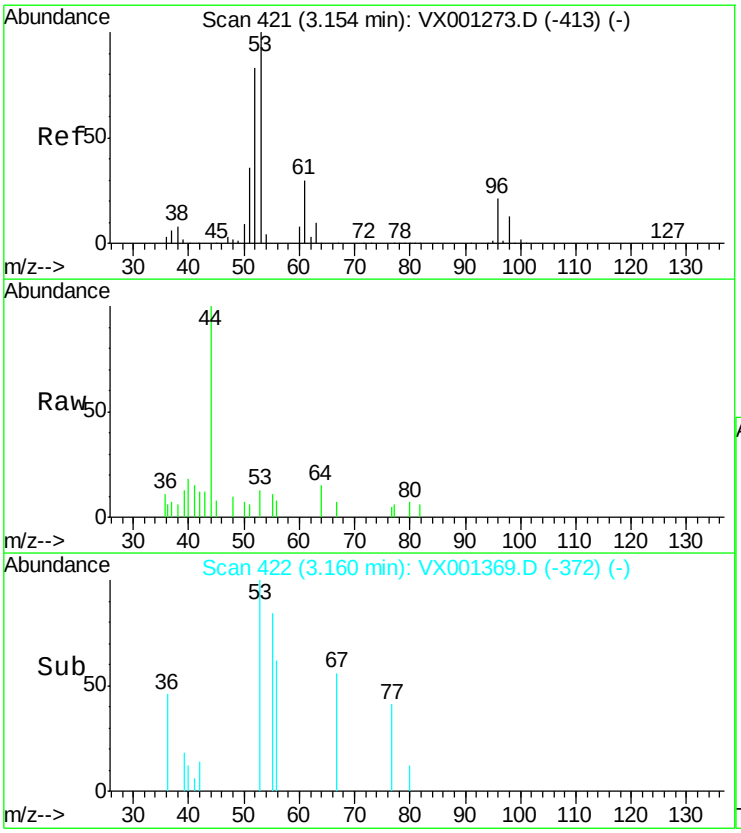

#13
Acrolein
Concen: 0.37 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 56 Resp: 75

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 229.3 | 57.2 | 85.8# |

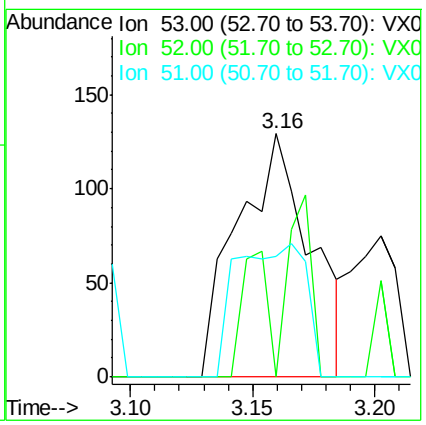


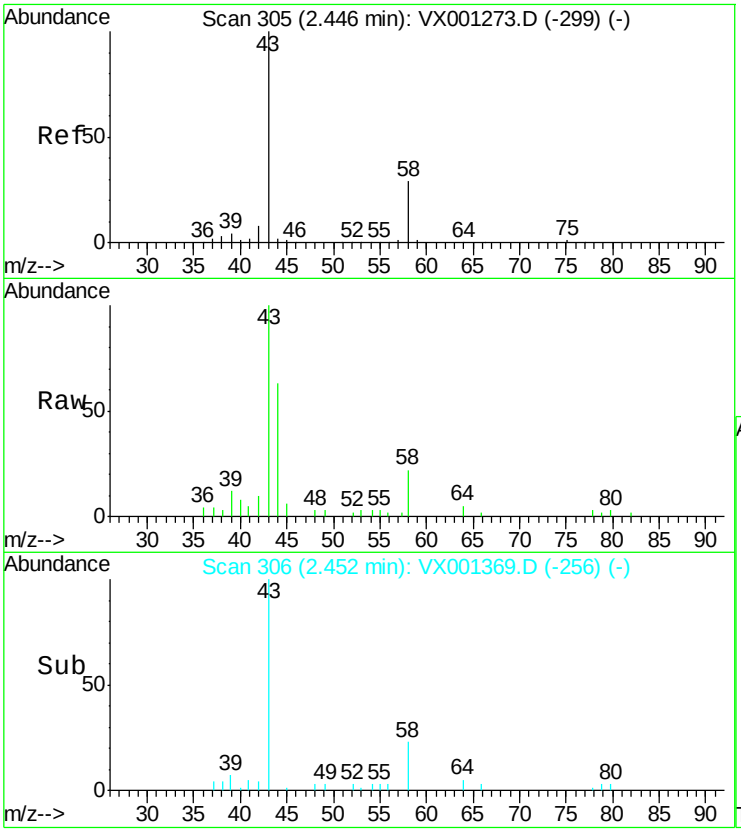




#15
Acrylonitrile
Concen: 0.32 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 53 Resp: 268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 23.9 | 67.0 | 100.4# |
| 51 | 52.6 | 29.9 | 44.9# |



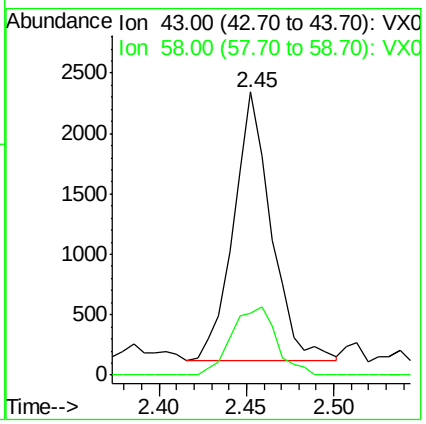


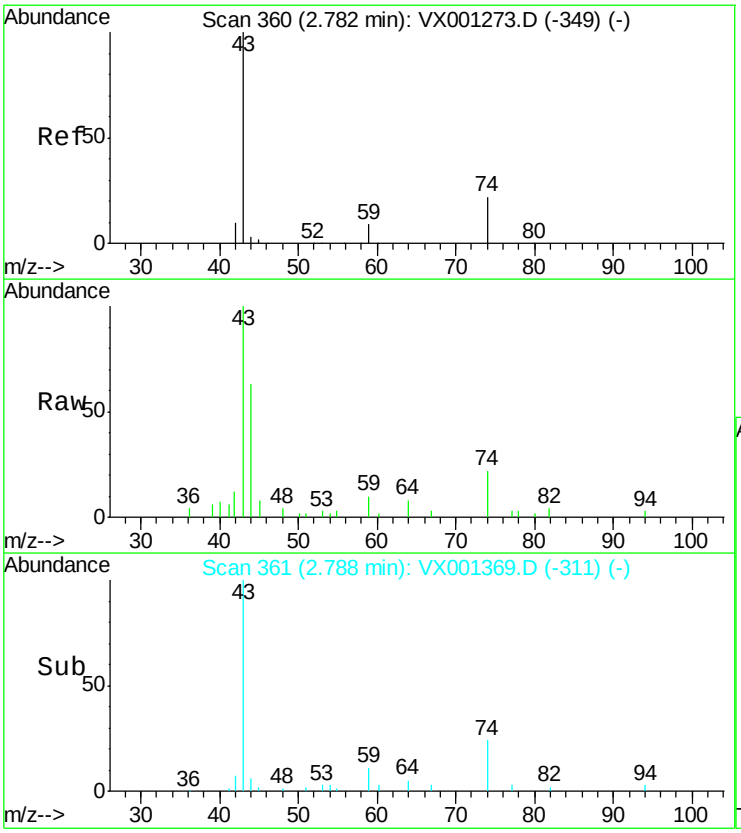

#16
Acetone
Concen: 3.75 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 43 Resp: 3313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.3 | 22.8 | 34.2 |

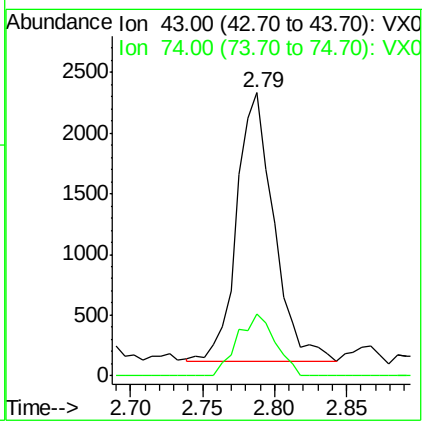


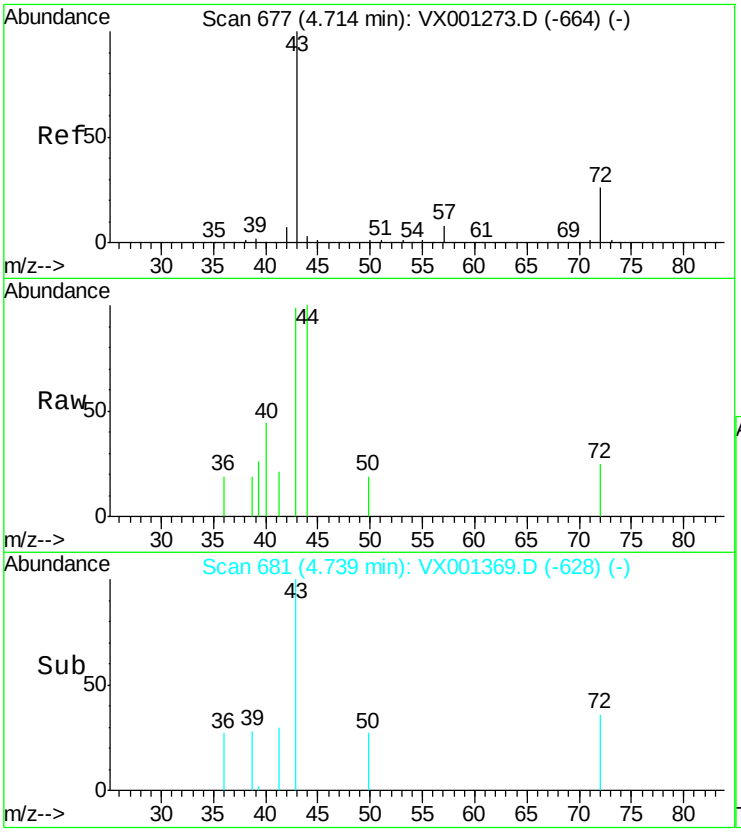




#18
Methyl Acetate
Concen: 1.89 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 43 Resp: 3946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 17.8 | 26.6 |



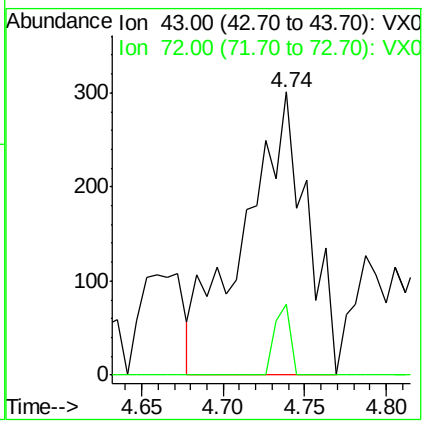


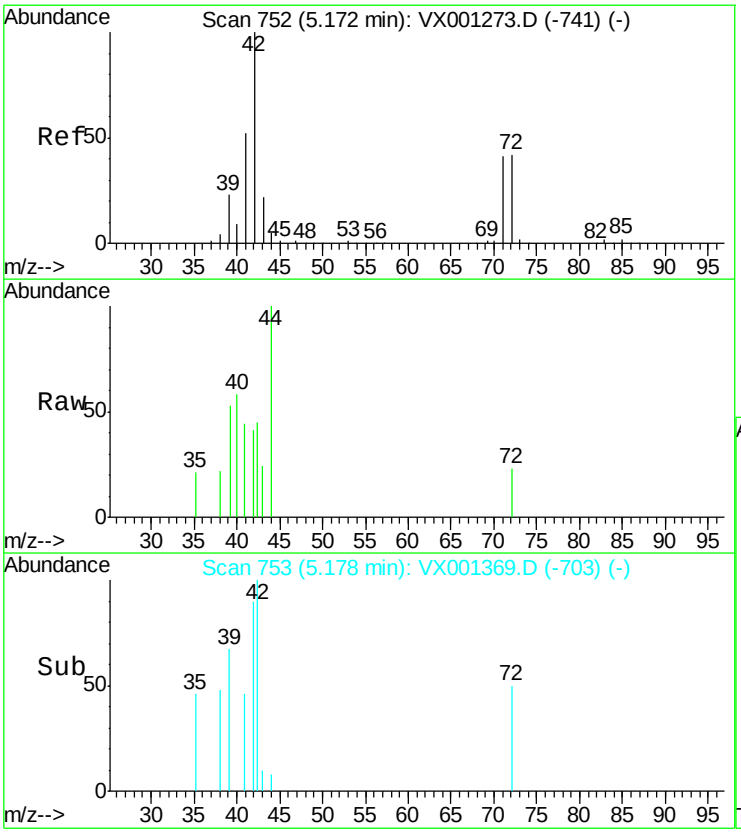

#25
2-Butanone
Concen: 0.68 ug/l
RT: 4.74 min Scan# 681
Delta R.T. 0.02 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 43 Resp: 808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.9 | 20.5 | 30.7 |

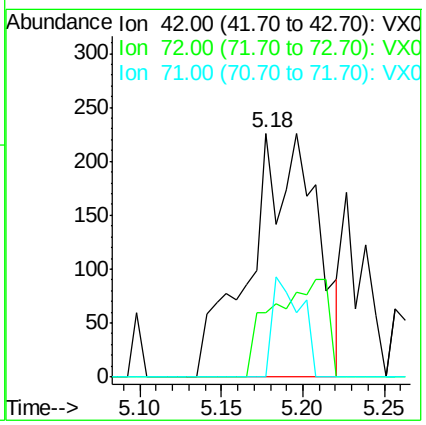


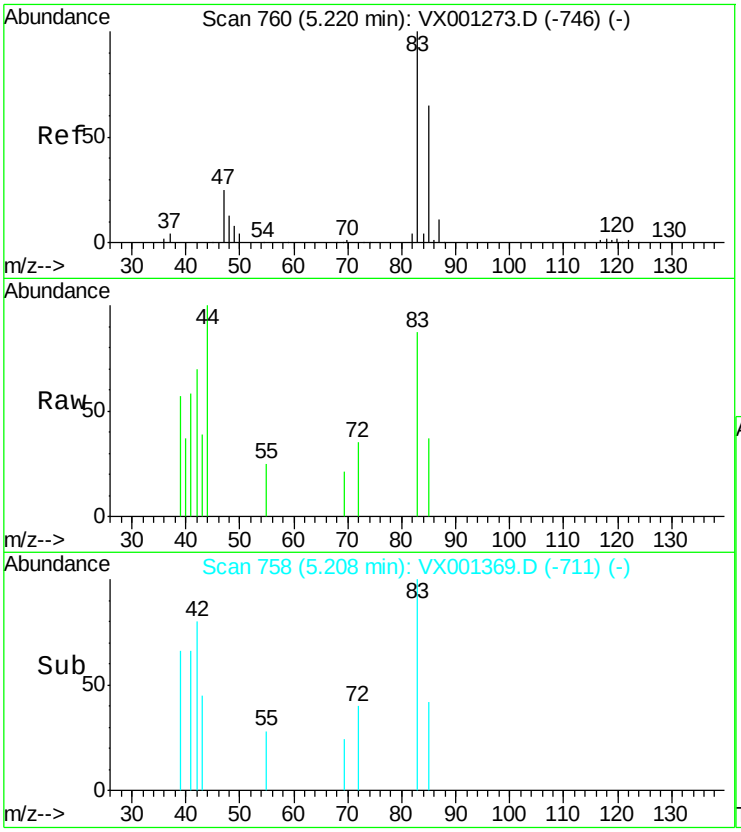




#29
Tetrahydrofuran
Concen: 0.87 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 42 Resp: 638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.6 | 52.0# |
| 71 | 17.4 | 32.7 | 49.1# |



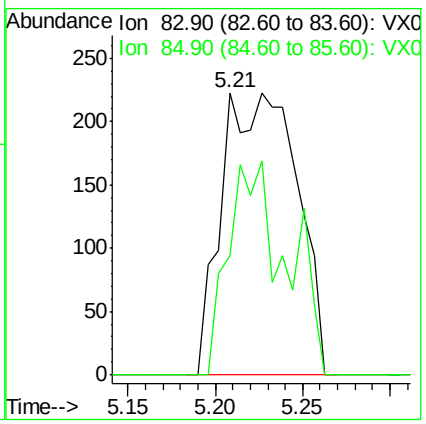


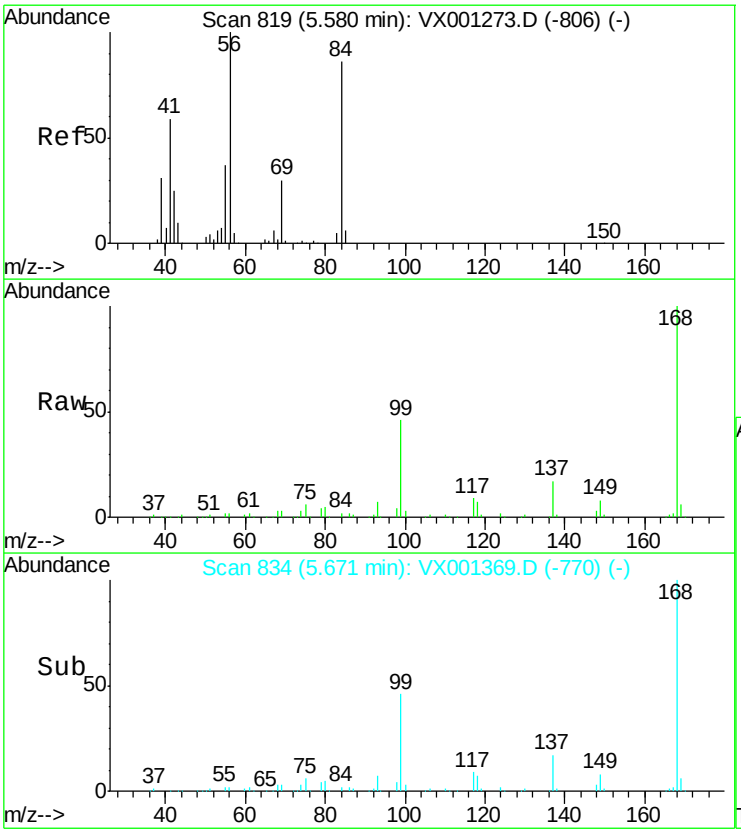

#30
Chloroform
Concen: 0.22 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 83 Resp: 668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 42.2 | 52.2 | 78.2# |

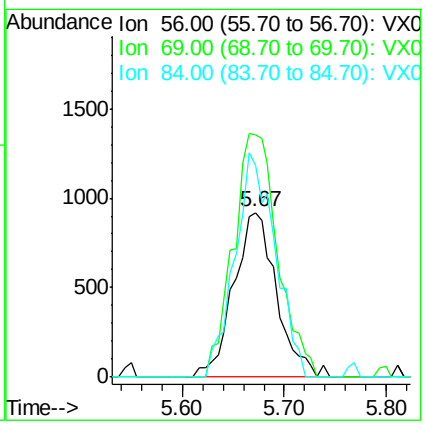


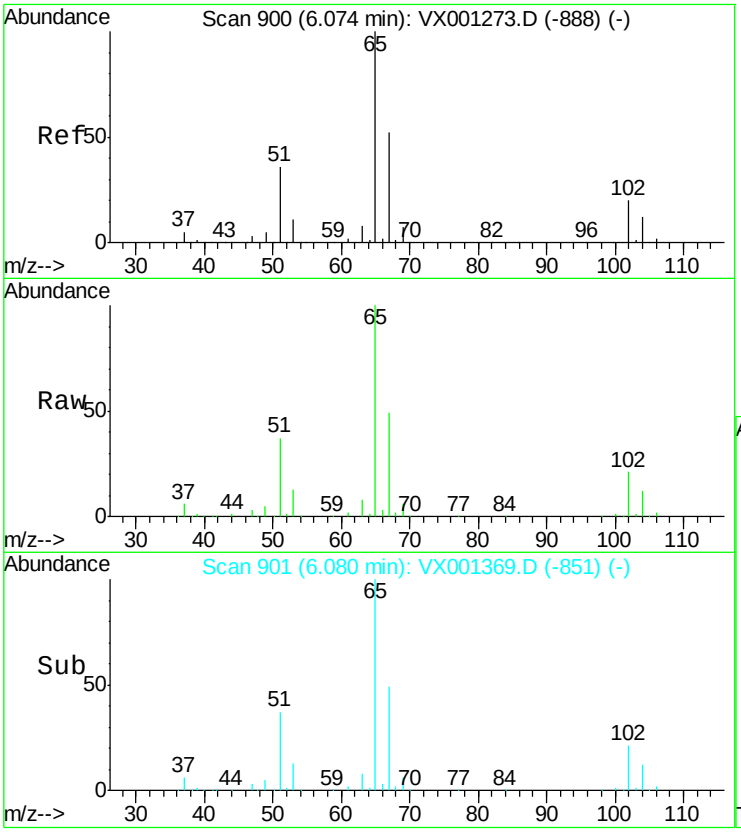




#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 56 Resp: 2680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 147.1 | 24.0 | 36.0# |
| 84 | 128.6 | 69.0 | 103.4# |



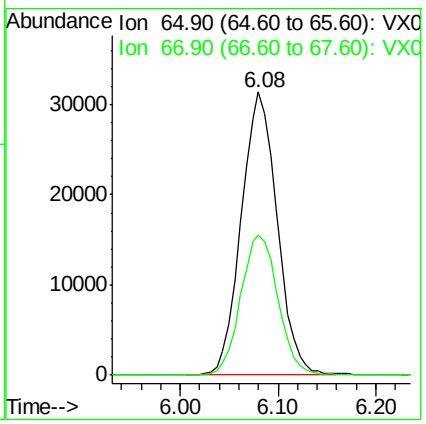


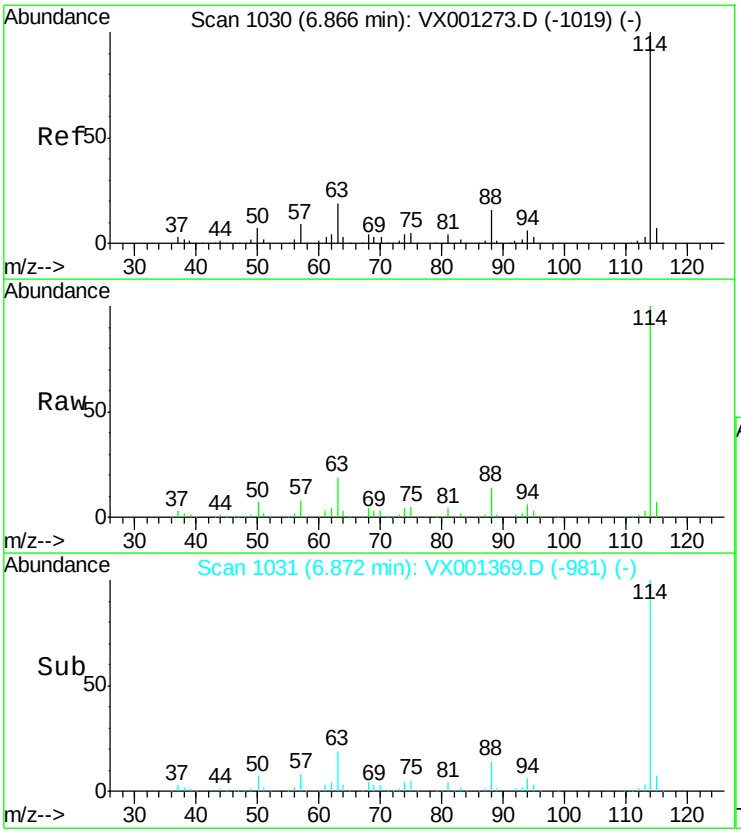

#33
1,2-Dichloroethane-d4
Concen: 38.75 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 65 Resp: 80281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 102.8 |

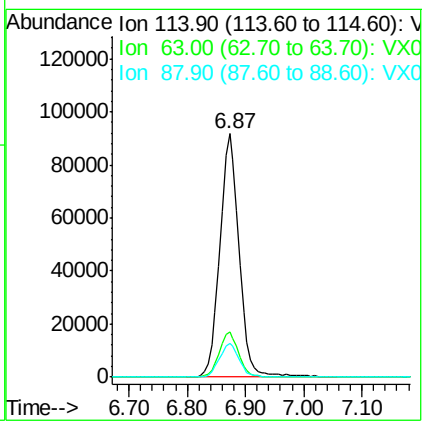


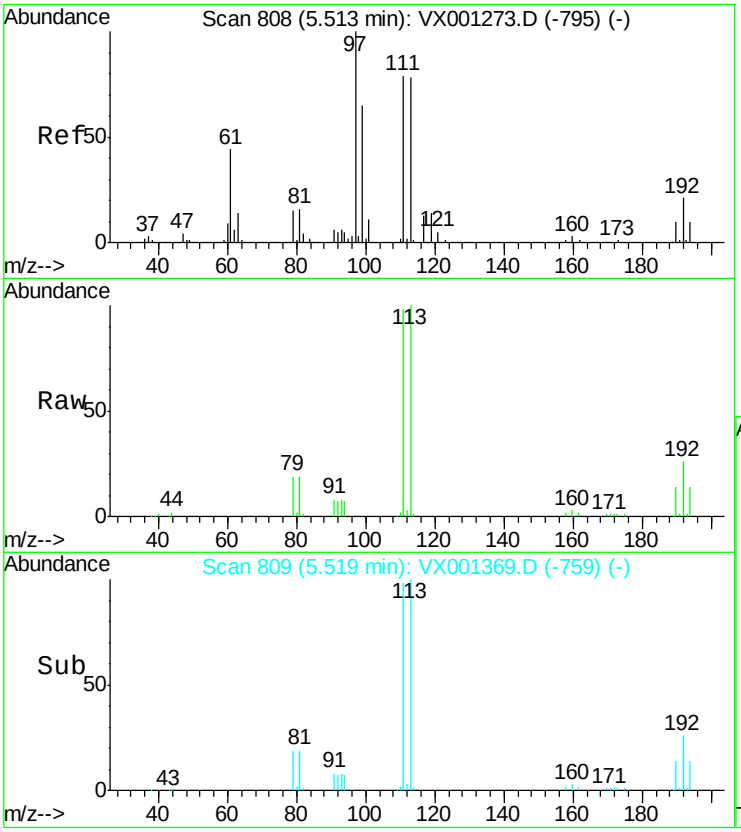




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion:114 Resp: 210936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 38.8 |
| 88 | 14.1 | 0.0 | 32.2 |



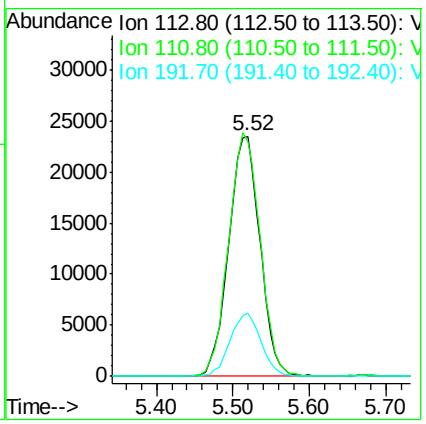


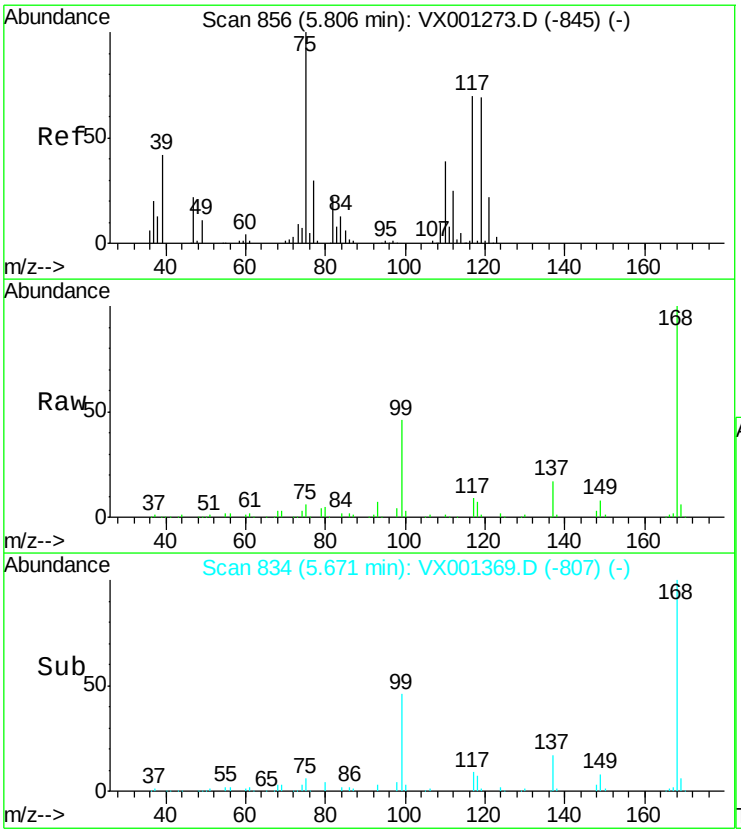

#35
Dibromofluoromethane
Concen: 36.69 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion:113 Resp: 66674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 81.2 | 121.8 |
| 192 | 25.8 | 20.7 | 31.1 |

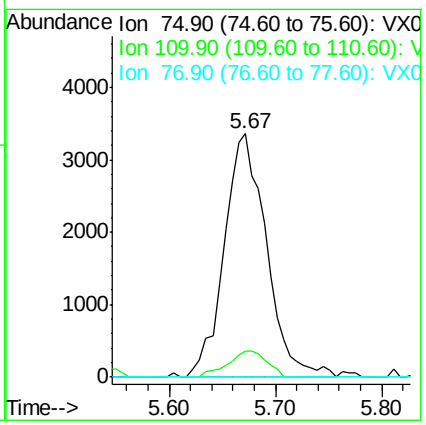


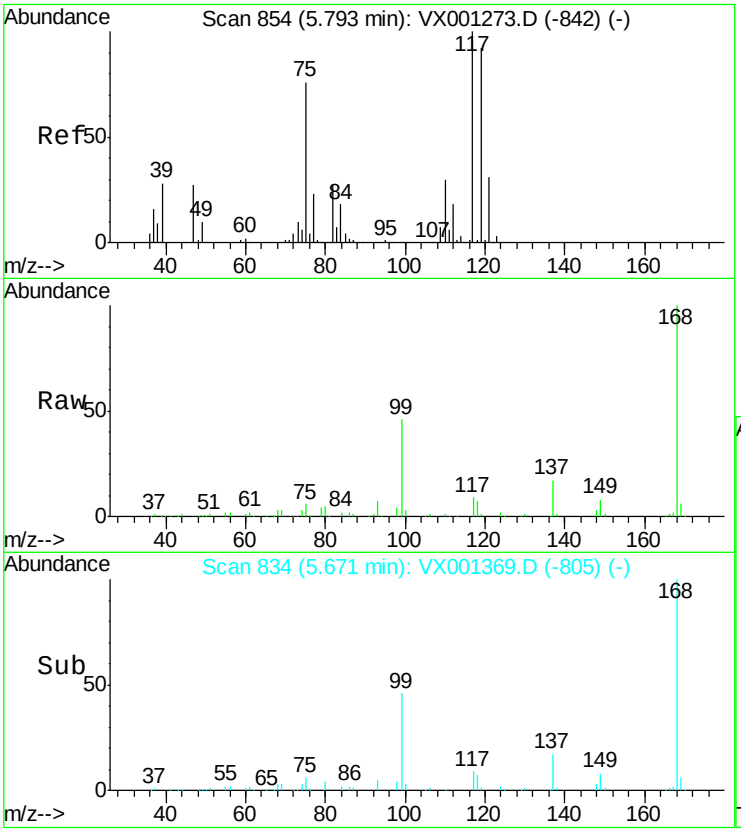




#36
1,1-Dichloropropene
Concen: 3.84 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 75 Resp: 9341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.9 | 18.9 | 56.9# |
| 77 | 0.0 | 24.2 | 36.2# |



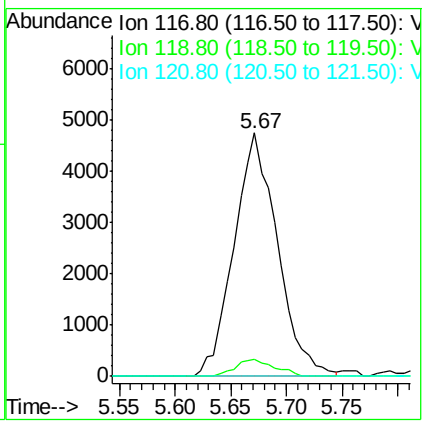


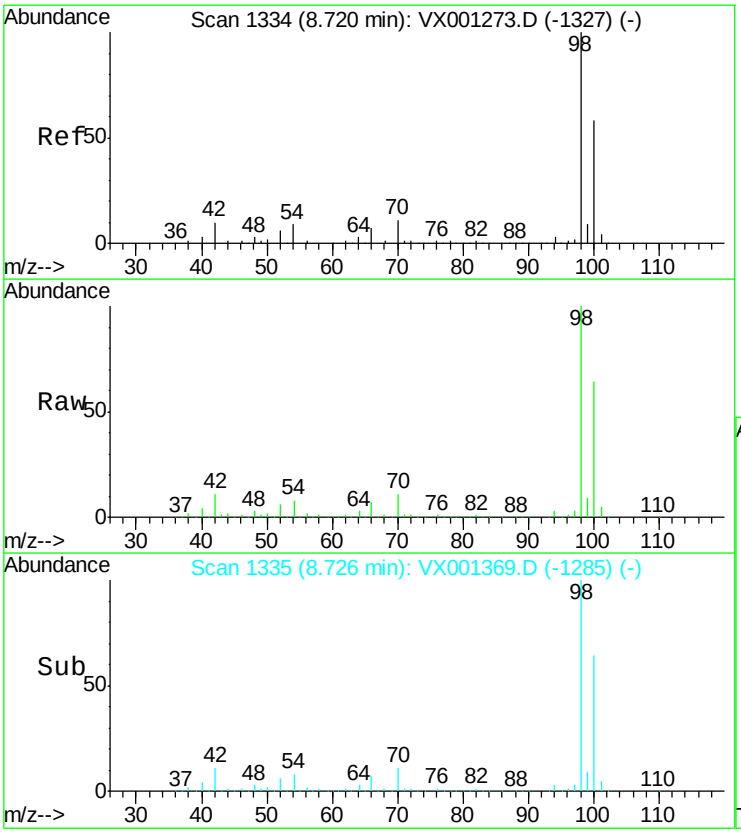

#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :** MSVOA_X
**ClientSampleId :** TP-2

Tgt Ion:117 Resp: 12923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.1 | 73.4 | 110.2# |
| 121 | 0.0 | 25.0 | 37.4# |

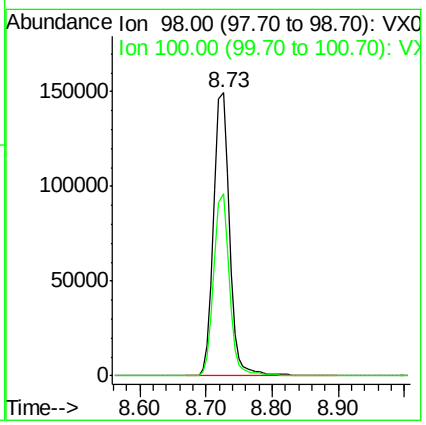


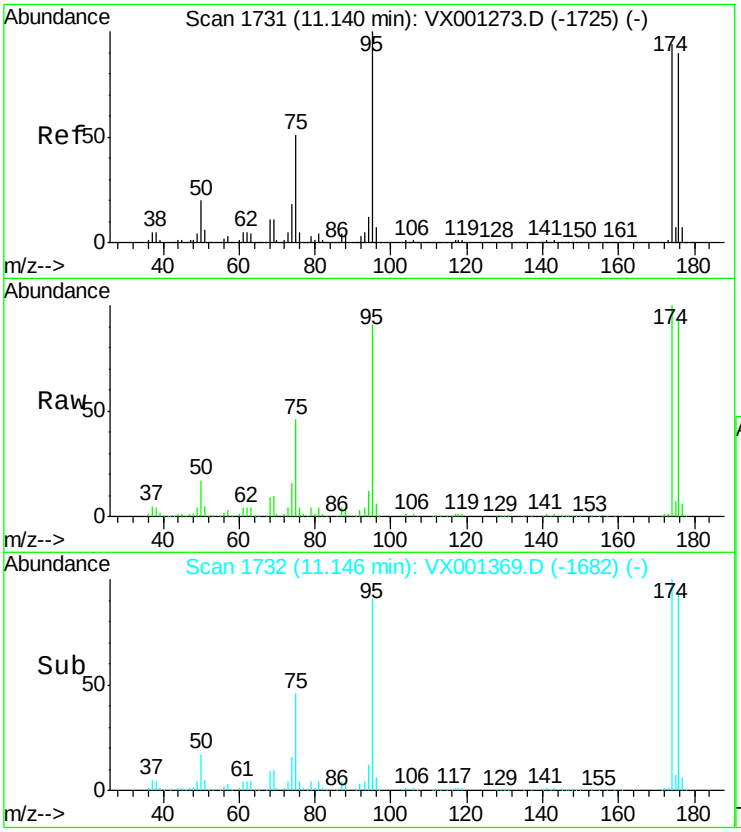




#50
Toluene-d8
Concen: 38.38 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 98 Resp: 249179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.3 | 51.0 | 76.4 |



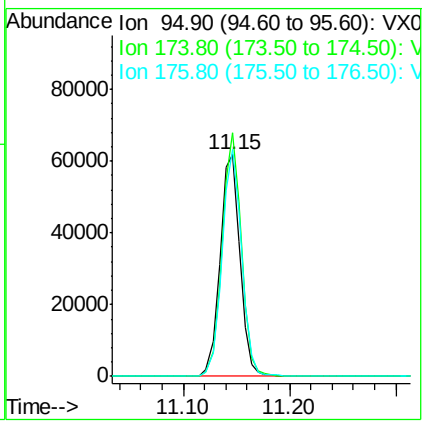


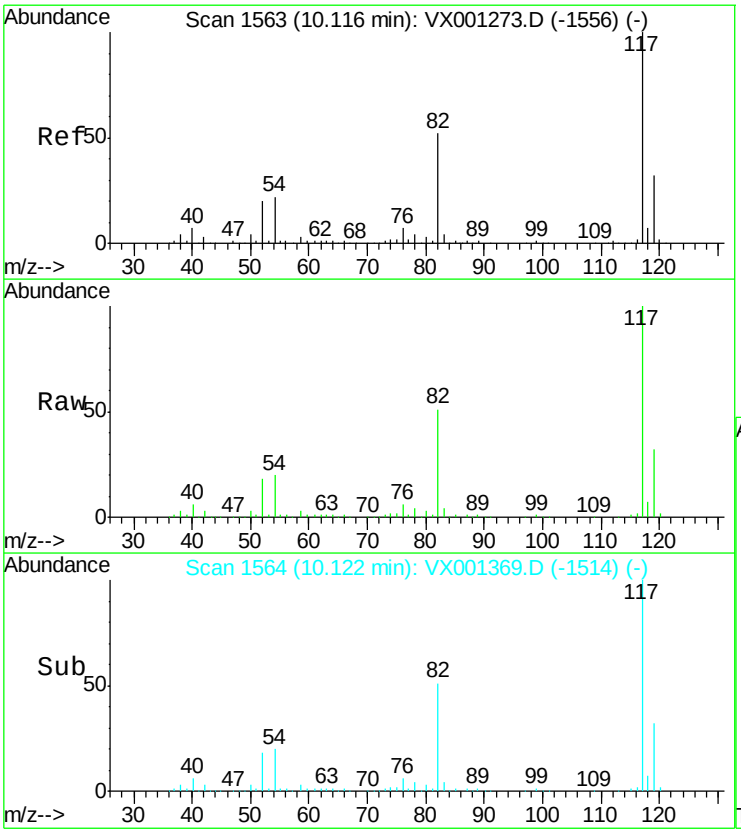

#62
4-Bromofluorobenzene
Concen: 31.16 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 95 Resp: 80914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 105.6 | 0.0 | 201.8 |
| 176 | 100.1 | 0.0 | 197.2 |

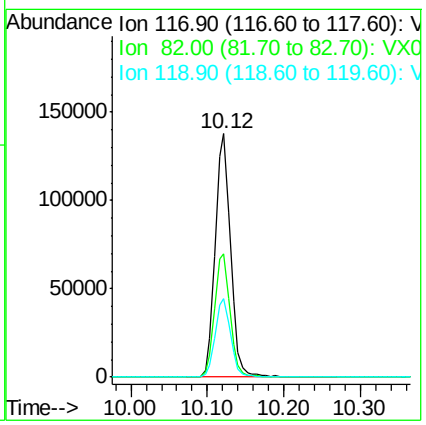


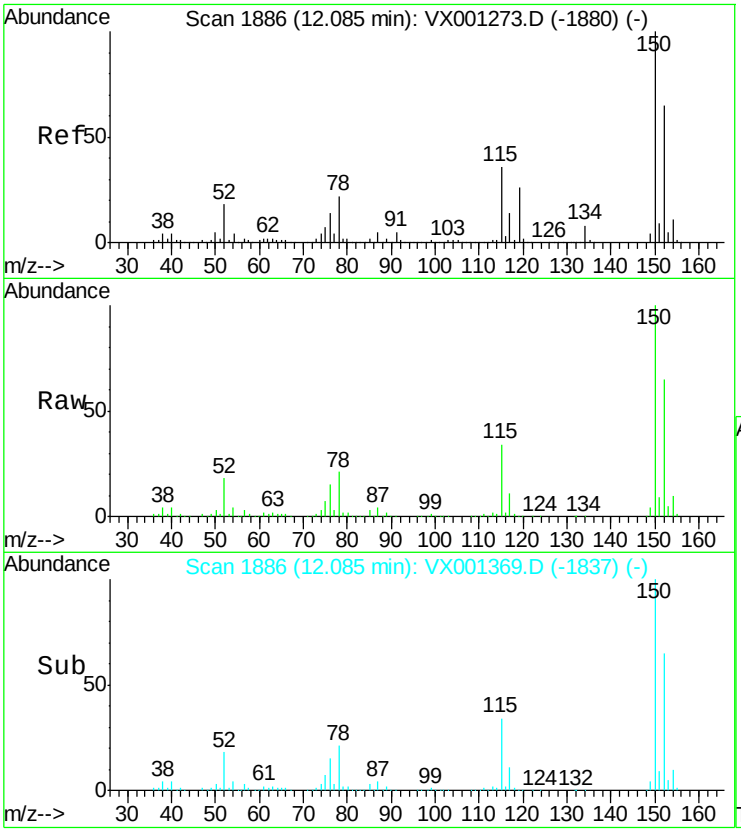




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion:117 Resp: 191292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.8 | 41.4 | 62.0 |
| 119 | 32.3 | 25.5 | 38.3 |



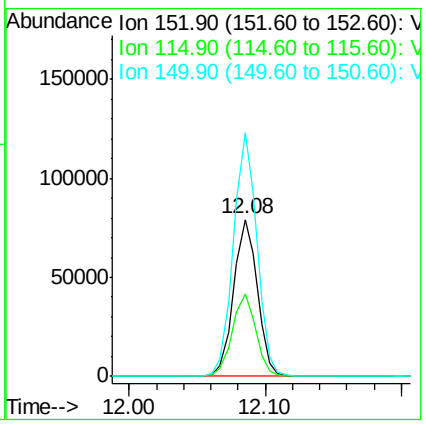


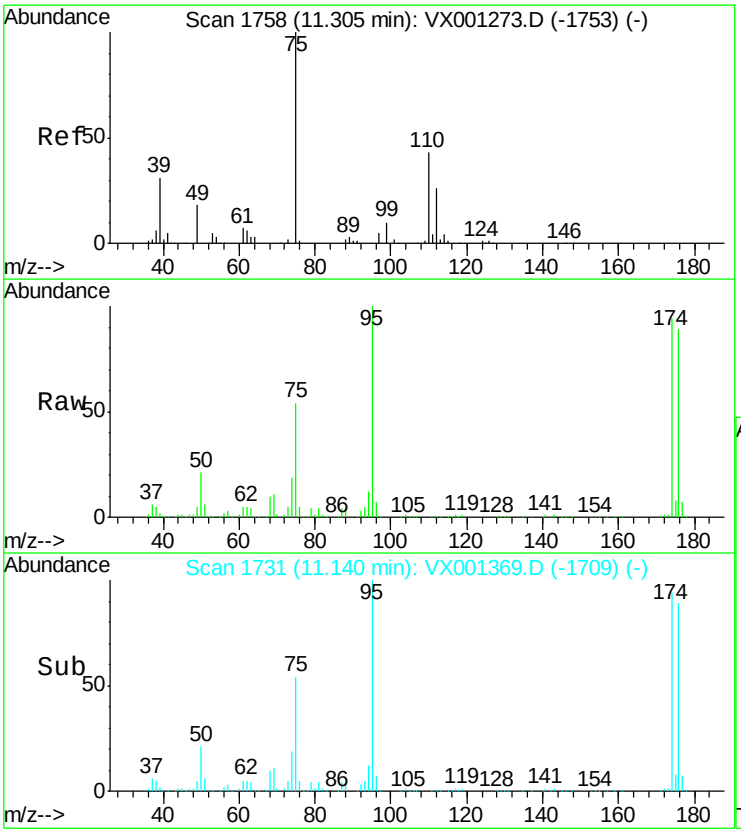

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion:152 Resp: 95779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.0 | 38.6 | 115.7 |
| 150 | 154.2 | 0.0 | 349.2 |

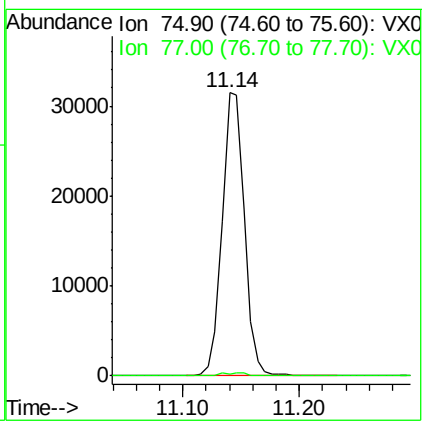


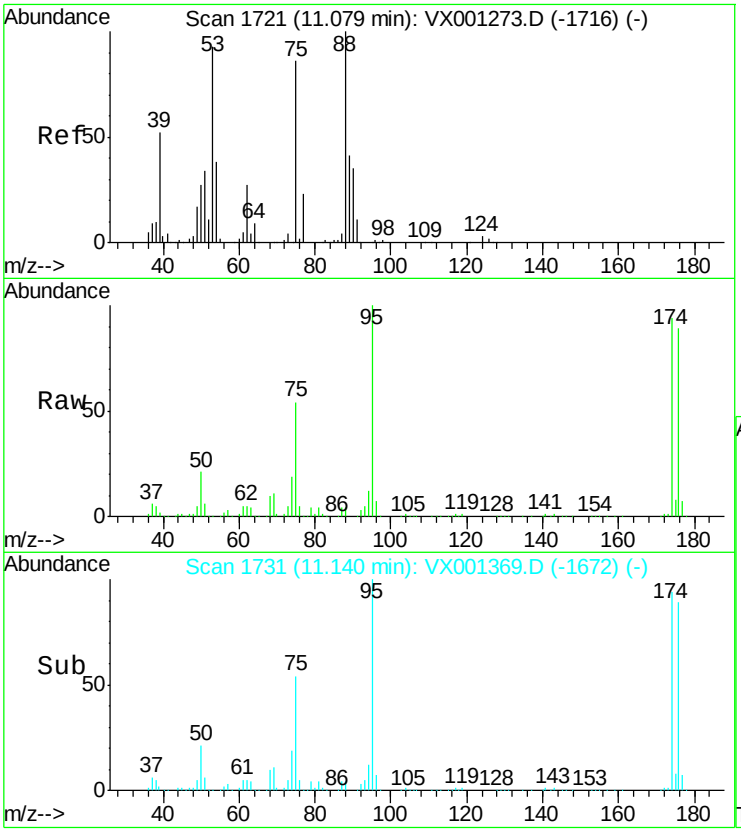




#76
1,2,3-Trichloropropane
Concen: 23.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion: 75 Resp: 41597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 18.9 | 56.5# |



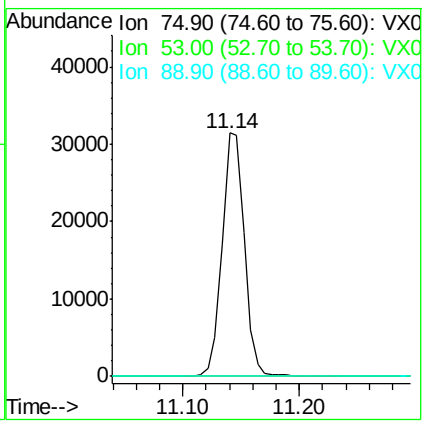


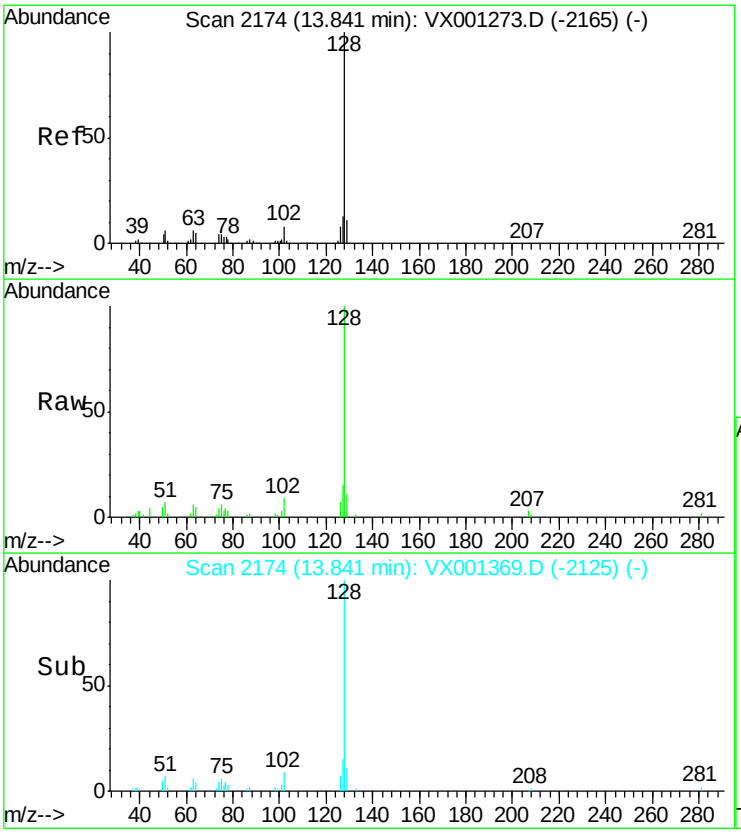

#81
trans-1,4-Dichloro-2-butene
Concen: 74.15 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
TP-2

Tgt Ion: 75 Resp: 41597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 87.1 | 130.7# |
| 89 | 0.0 | 38.9 | 58.3# |




#95
Naphthalene
Concen: 0.96 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001369.D
Acq: 03 May 2018 19:45

Tgt Ion:128 Resp: 6749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.5 | 15.7 |
| 129 | 12.0 | 8.7 | 13.1 |