Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070218\
Data File : VX003135.D
Acq On : 02 Jul 2018 18:51
Operator : JC/MD
Sample : PB110744ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB110744ZHE#11

Quant Time: Jul 03 06:59:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 264762 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 369516 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 349865 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 206175 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 171663 | 46.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.82% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 141347 | 48.30 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.60% | | | | |
| 50) Toluene-d8 | 8.72 | 98 | 521843 | 48.84 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.68% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 189312 | 45.94 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.88% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.37 | 85 | 69 | Below Cal | | # | 52 |
| 3) Chloromethane | 1.33 | 50 | 410 | Below Cal | | # | 53 |
| 5) Bromomethane | 1.64 | 94 | 1764 | Below Cal | | # | 78 |
| 6) Chloroethane | 1.63 | 64 | 605 | Below Cal | | # | 54 |
| 10) Methyl Iodide | 2.52 | 142 | 1360 | 6.63 | ug/l | # | 97 |
| 11) Tert butyl alcohol | 3.02 | 59 | 4485 | 6.15 | ug/l | # | 80 |
| 13) Acrolein | 2.29 | 56 | 236 | 4.80 | ug/l | # | 64 |
| 16) Acetone | 2.45 | 43 | 13900 | 9.17 | ug/l | | 97 |
| 18) Methyl Acetate | 2.78 | 43 | 25492 | 6.02 | ug/l | | 94 |
| 20) Methylene Chloride | 2.86 | 84 | 4587 | 1.56 | ug/l | | 94 |
| 25) 2-Butanone | 4.71 | 43 | 3839 | 1.71 | ug/l | | 96 |
| 29) Tetrahydrofuran | 5.18 | 42 | 1343 | 0.93 | ug/l | | 93 |
| 31) Cyclohexane | 5.67 | 56 | 4982 | 1.09 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 17305 | 4.27 | ug/l | # | 51 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 23482 | 5.28 | ug/l | # | 16 |
| 48) Methyl methacrylate | 7.74 | 41 | 7305 | 1.94 | ug/l | # | 26 |
| 49) 1,4-Dioxane | 7.77 | 88 | 23 | 0.31 | ug/l | # | 22 |
| 51) 4-Methyl-2-Pentanone | 8.67 | 43 | 1679 | 0.37 | ug/l | | 93 |
| 65) Chlorobenzene | 10.14 | 112 | 2227 | 0.25 | ug/l | | 94 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 94417 | 25.28 | ug/l | # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 94417 | 71.78 | ug/l | # | 7 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 375 | 0.39 | ug/l | # | 1 |

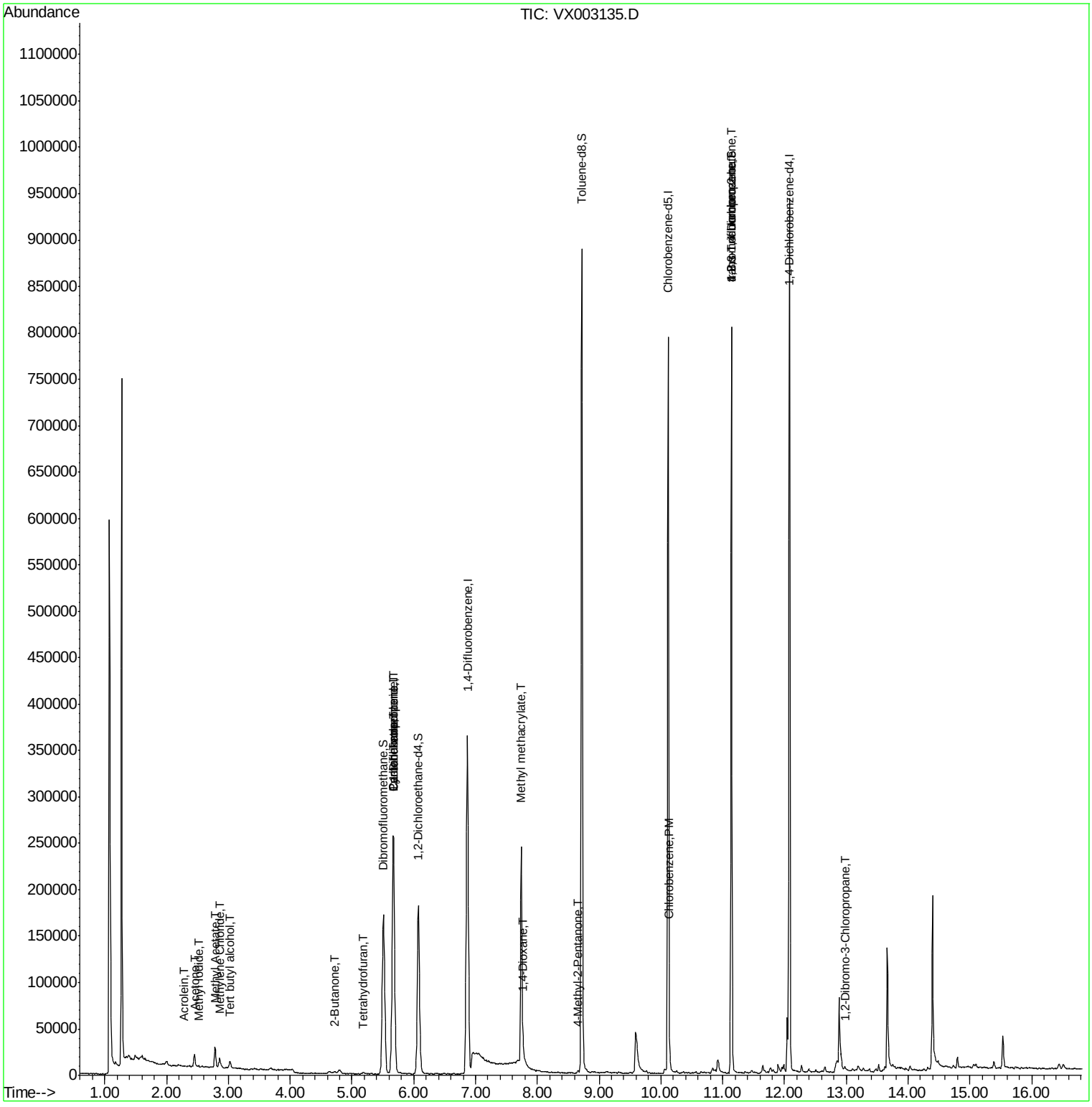
(#) = qualifier out of range (m) = manual integration (+) = signals summed

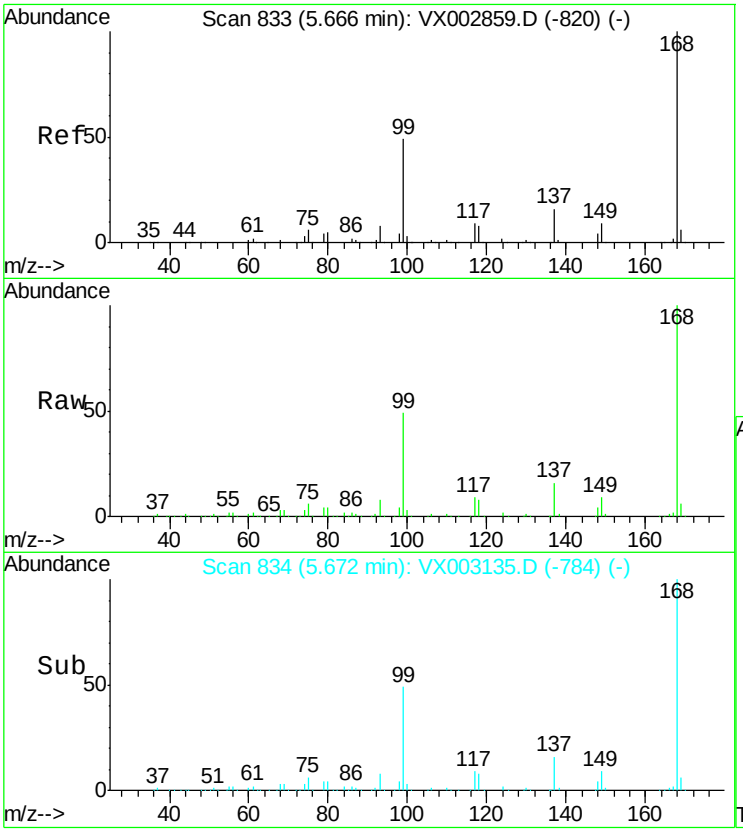
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
Data File : VX003135.D
Acq On : 02 Jul 2018 18:51
Operator : JC/MD
Sample : PB110744ZHE#11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Quant Time: Jul 03 06:59:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration



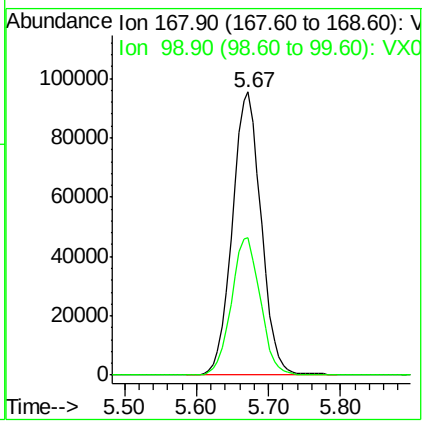


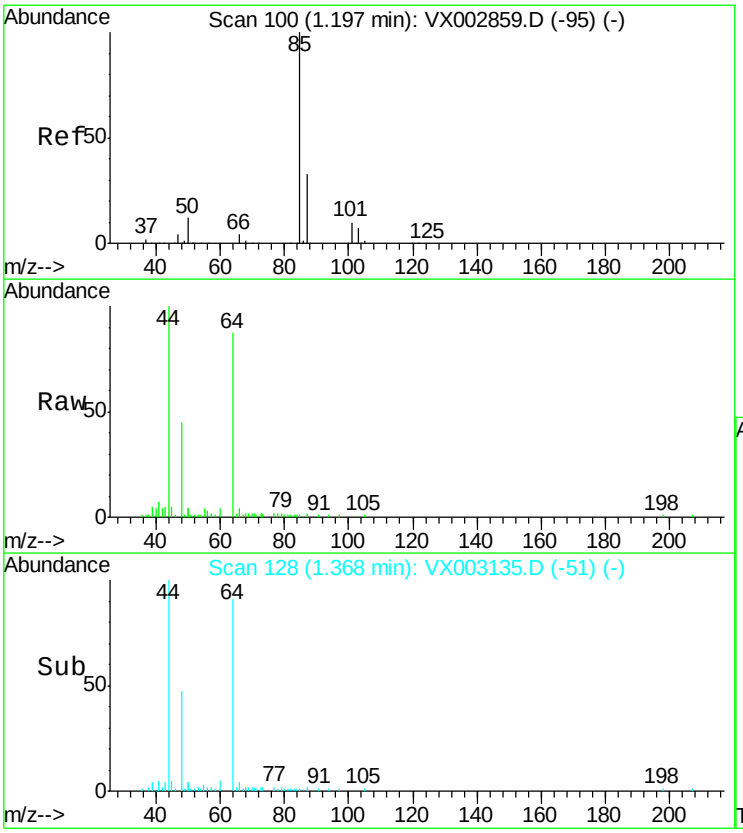

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion:168 Resp: 264762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.5 | 39.3 | 58.9 |

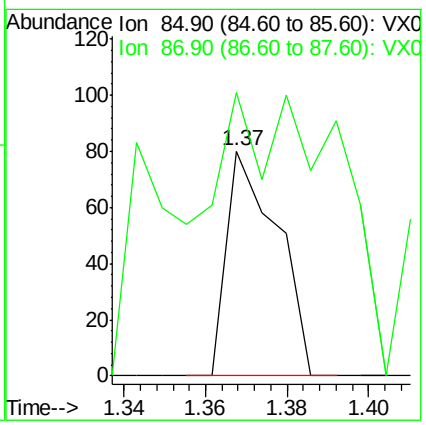


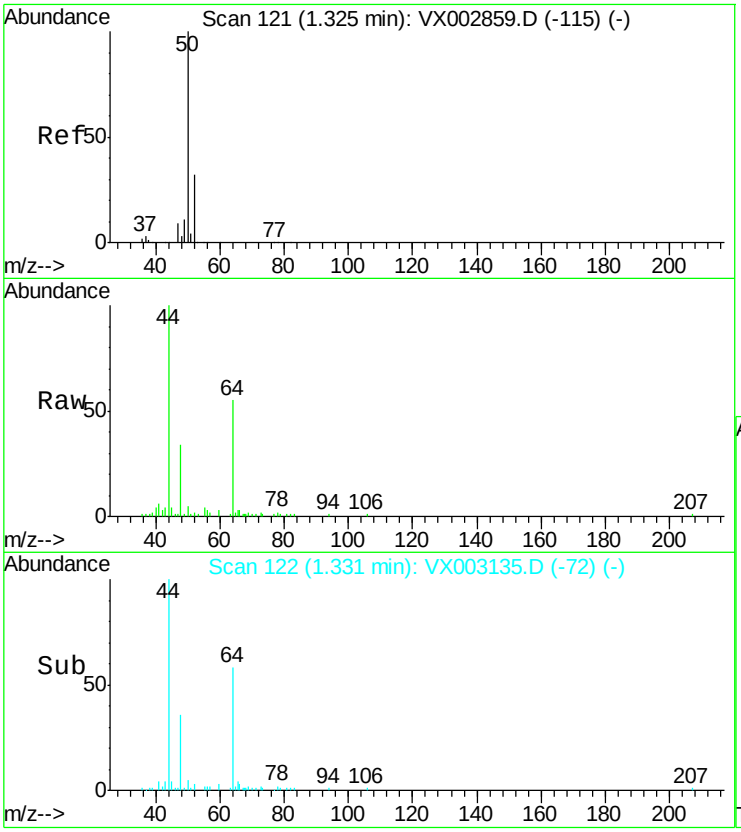




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.37 min Scan# 128
Delta R.T. 0.17 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 85 Resp: 69

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 58.8 | 16.0 | 47.9# |



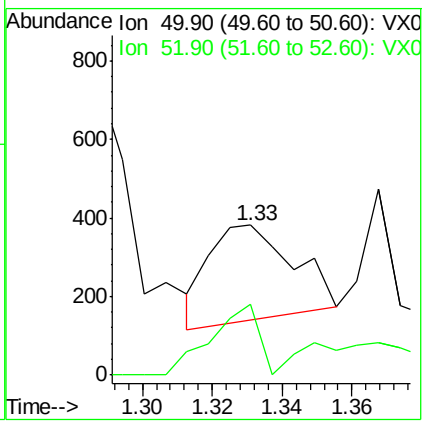


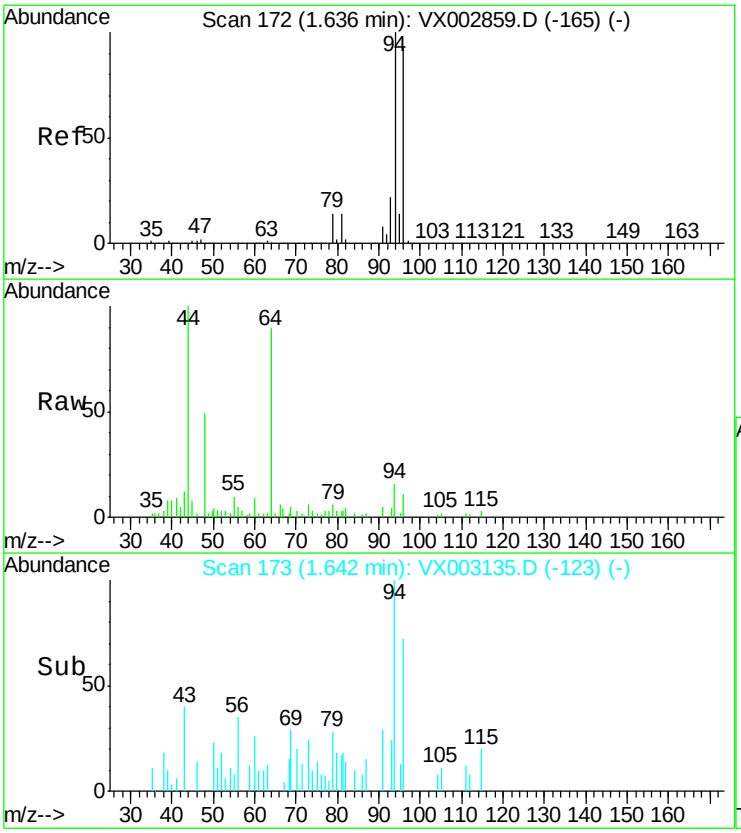

#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 50 Resp: 410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 58.4 | 25.7 | 38.5# |

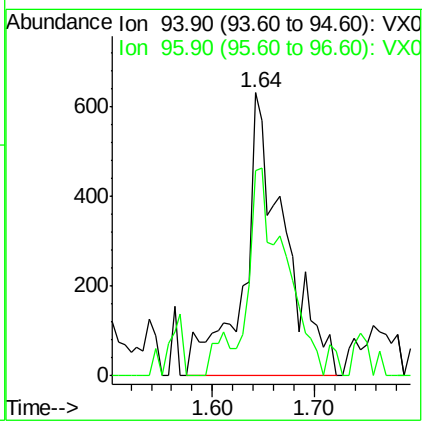


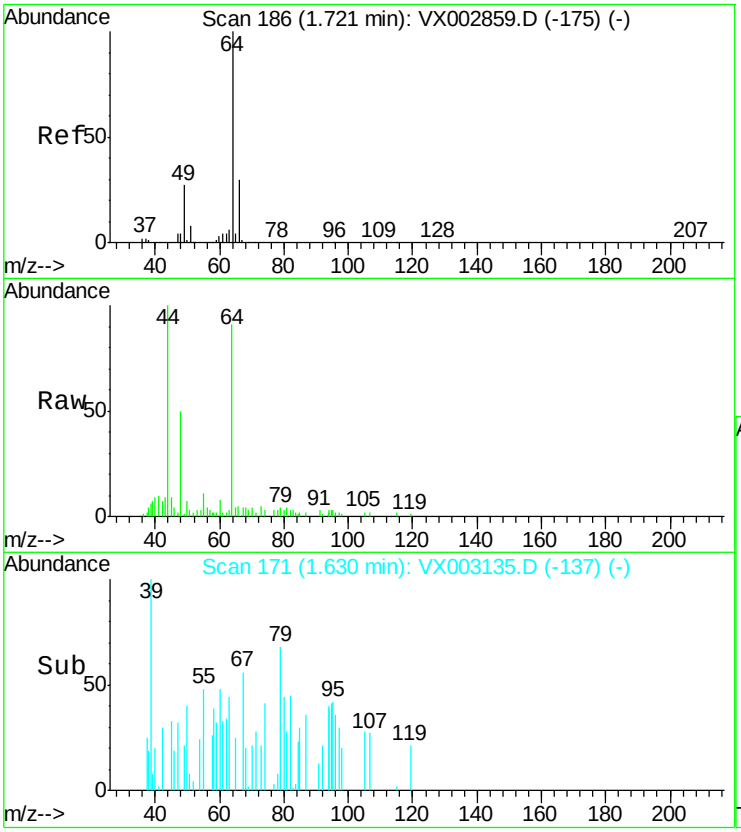




#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 173
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 94 Resp: 1764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 72.4 | 74.9 | 112.3# |



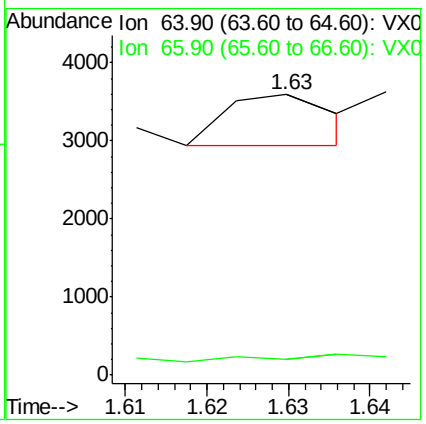


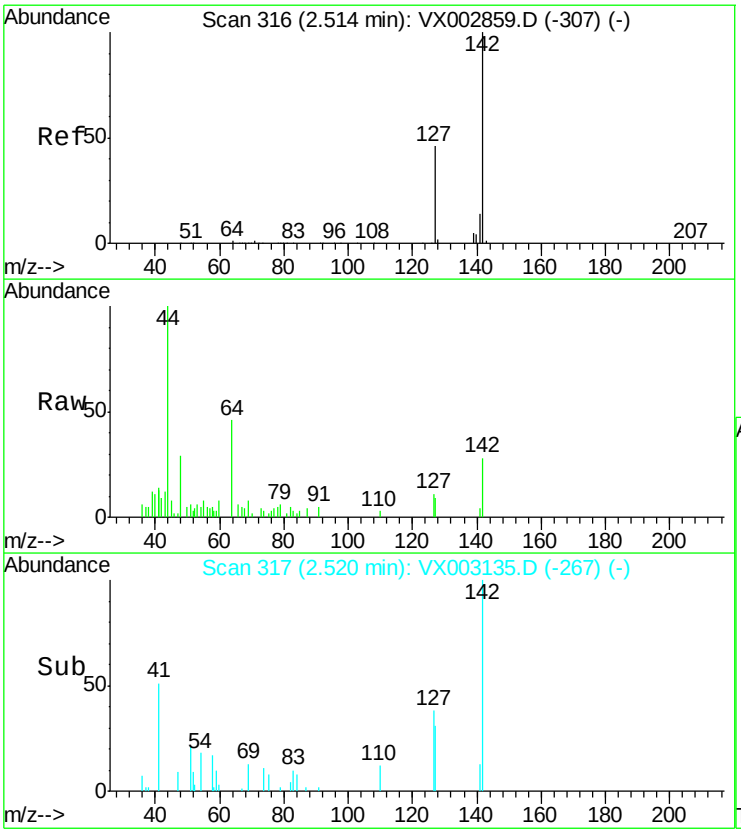

#6
Chloroethane
Concen: Below Cal
RT: 1.63 min Scan# 171
Delta R.T. -0.09 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 64 Resp: 605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 6.2 | 25.5 | 38.3# |

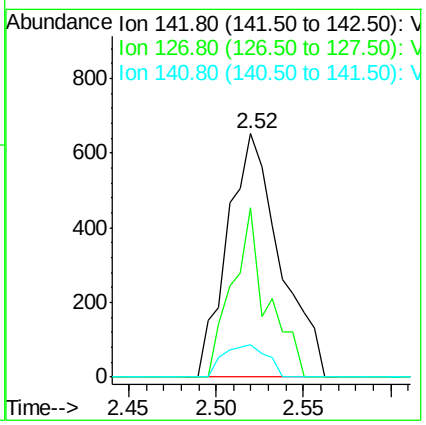


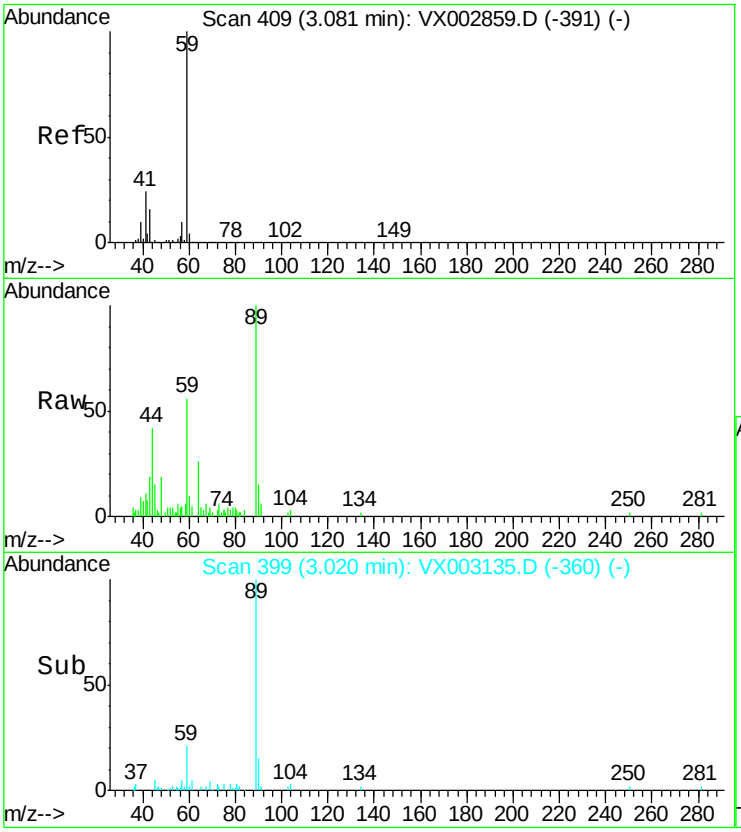




#10
Methyl Iodide
Concen: 6.63 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion:142 Resp: 1360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 36.6 | 55.0 |
| 141 | 11.0 | 11.3 | 16.9# |



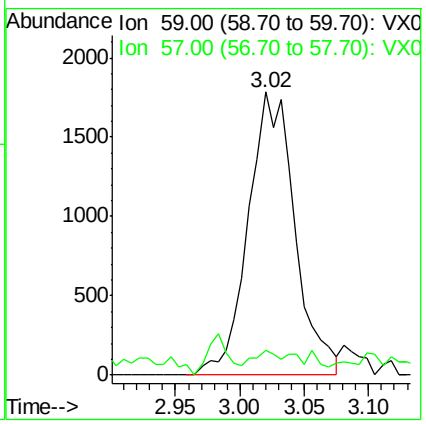


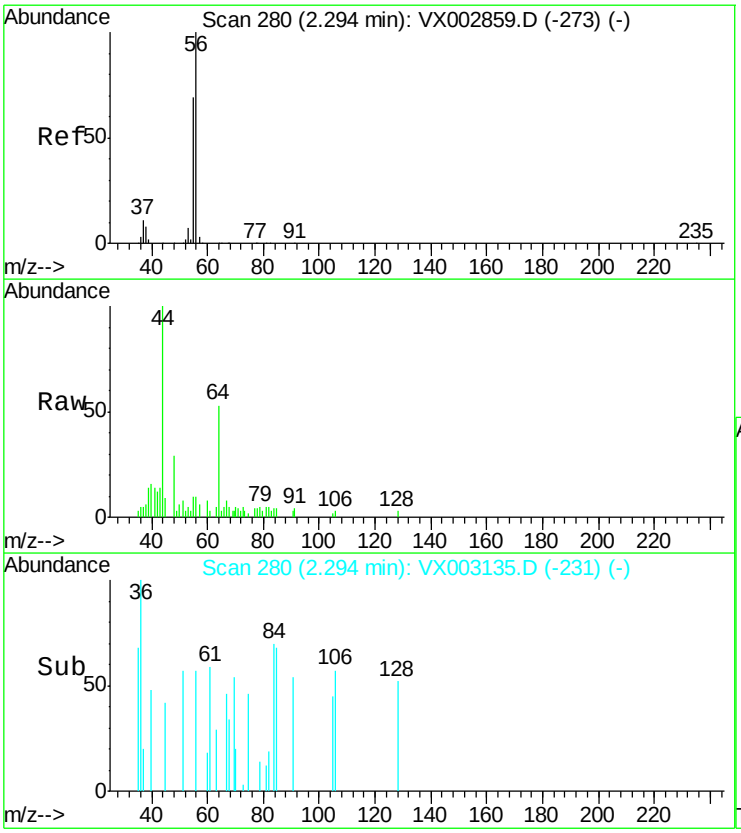

#11
Tert butyl alcohol
Concen: 6.15 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :** MSVOA_X
**ClientSampleId :** PB110744ZHE#11

Tgt Ion: 59 Resp: 4485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.7 | 8.2 | 12.2# |

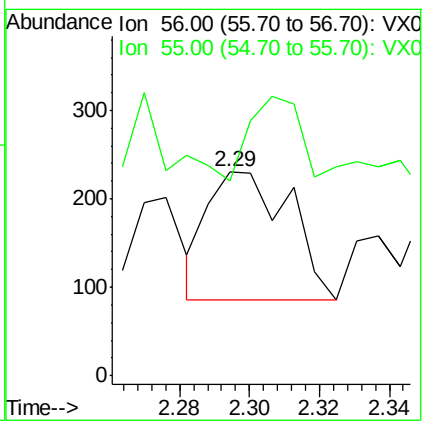


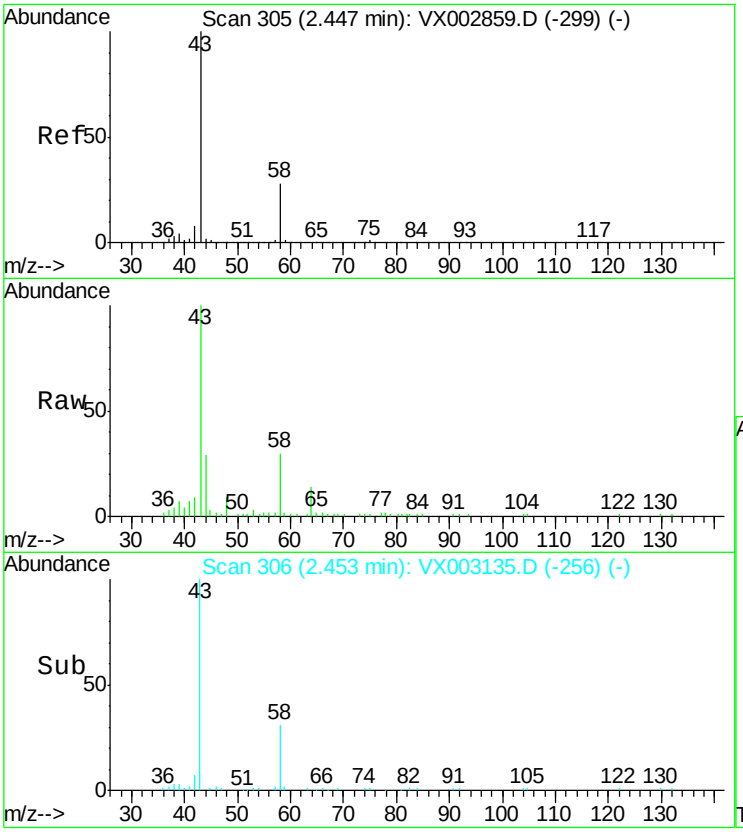




#13
Acrolein
Concen: 4.80 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 56 Resp: 236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 41.5 | 57.0 | 85.4# |



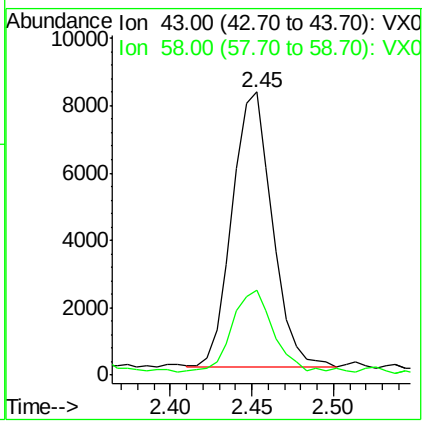


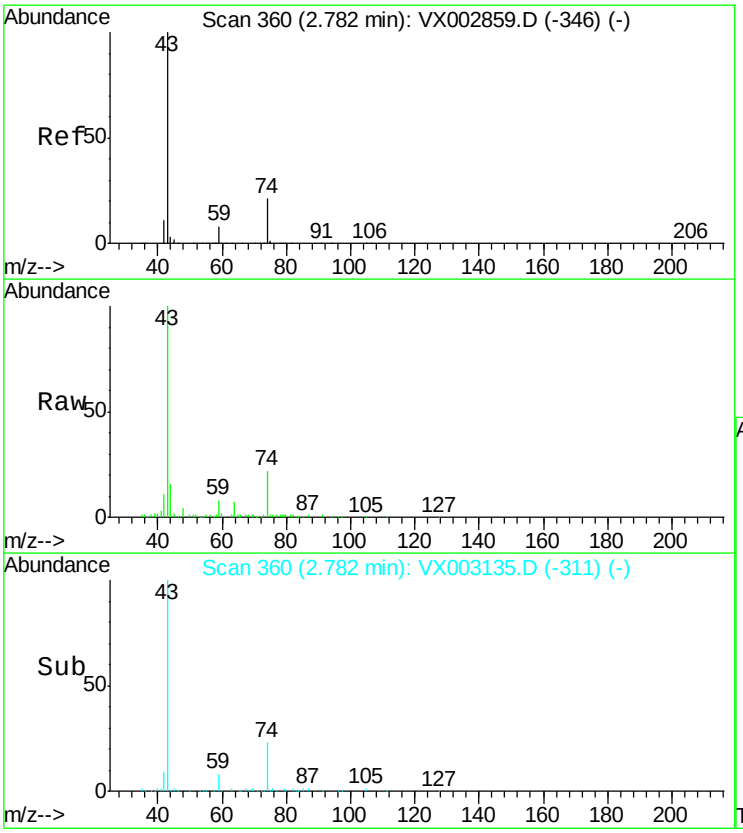

#16
Acetone
Concen: 9.17 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :** MSVOA_X
**ClientSampleId :** PB110744ZHE#11

Tgt Ion: 43 Resp: 13900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 22.1 | 33.1 |

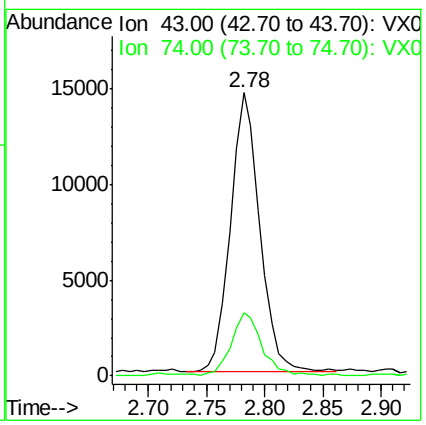


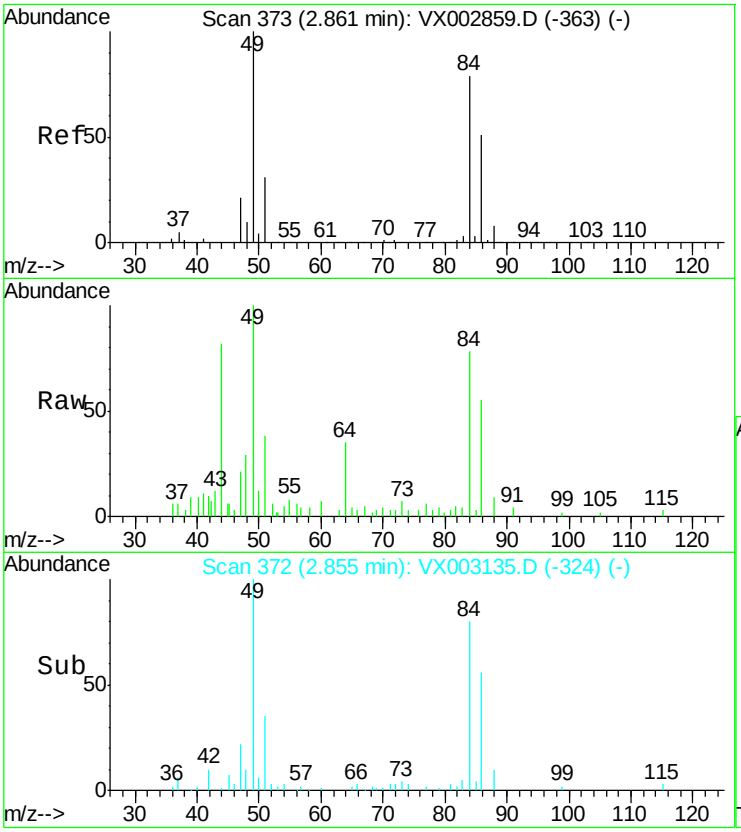




#18
Methyl Acetate
Concen: 6.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 43 Resp: 25492

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



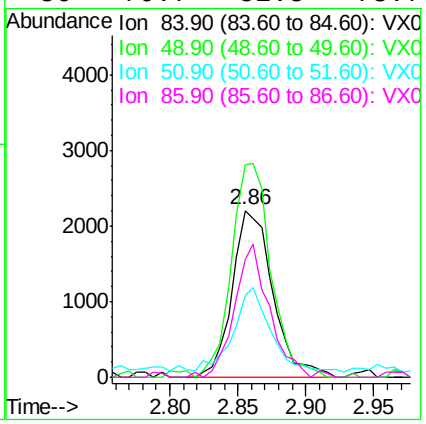


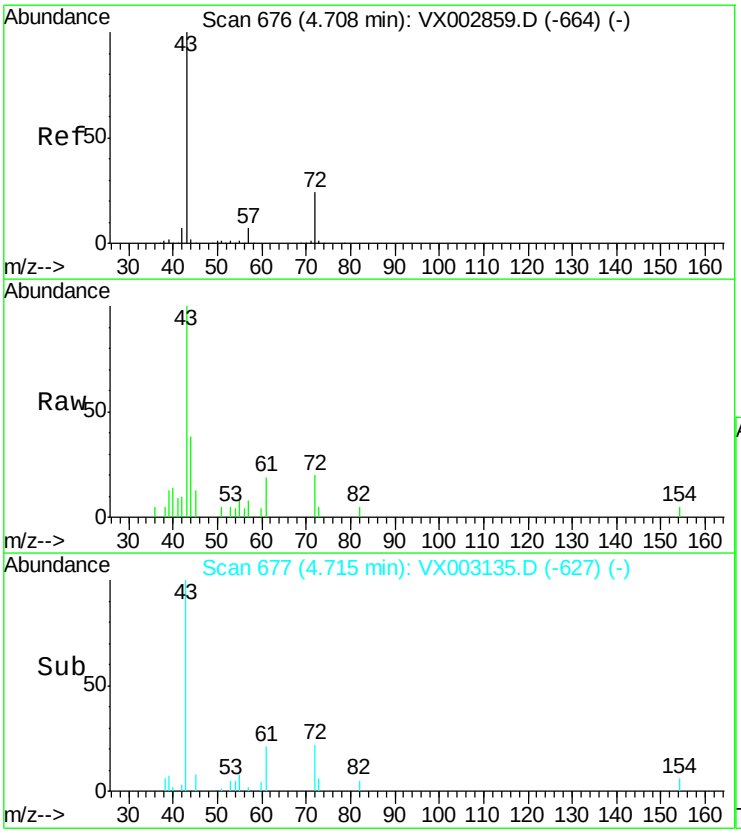

#20
Methylene Chloride
Concen: 1.56 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :** MSVOA_X
**ClientSampleId :** PB110744ZHE#11

Tgt Ion: 84 Resp: 4587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 107.8 | 161.6 |
| 51 | 44.6 | 32.8 | 49.2 |
| 86 | 70.7 | 52.5 | 78.7 |

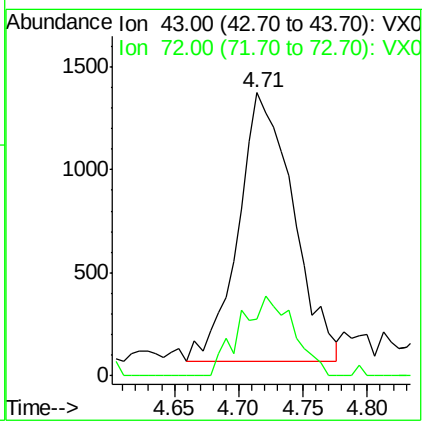


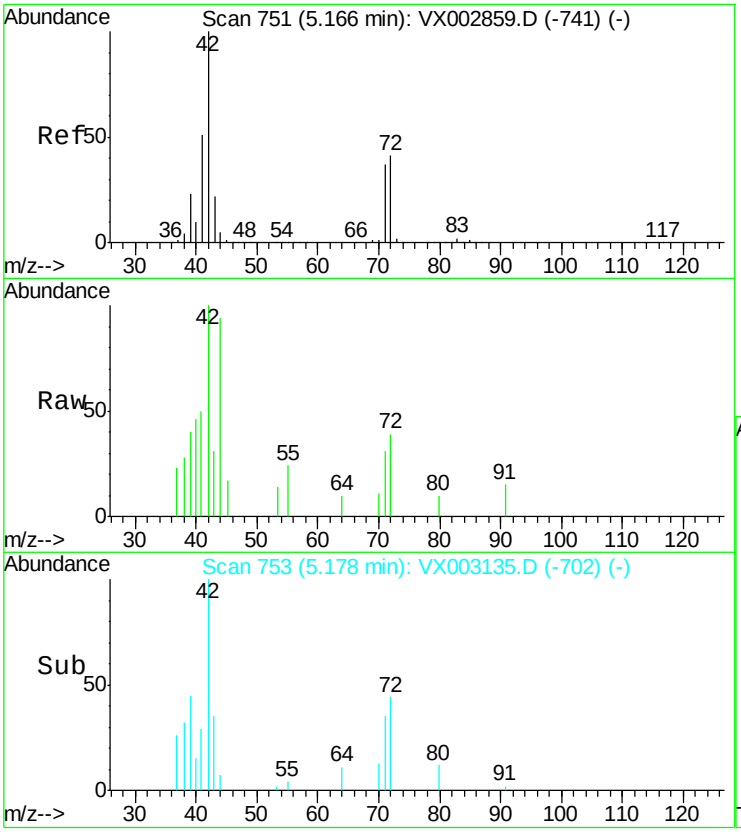




#25
2-Butanone
Concen: 1.71 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 43 Resp: 3839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.2 | 18.5 | 27.7 |



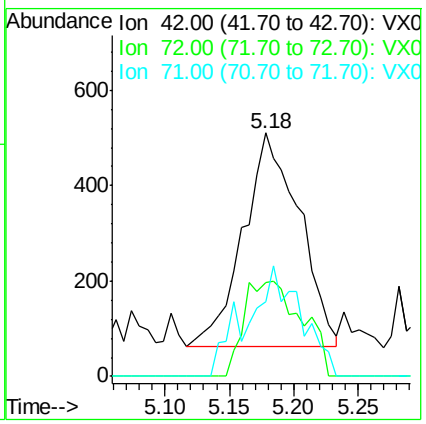


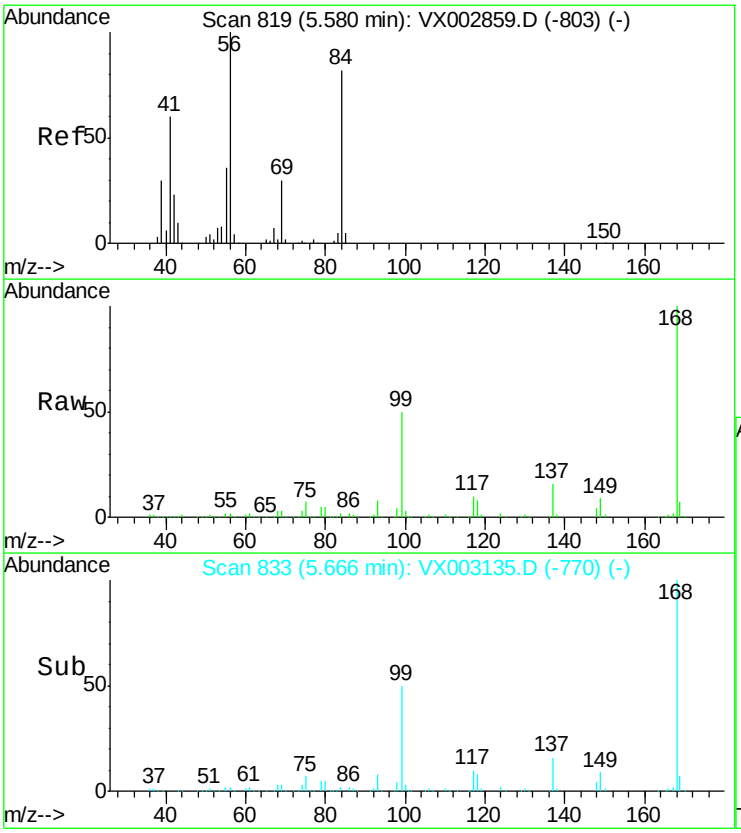

#29
Tetrahydrofuran
Concen: 0.93 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :** MSVOA_X
**ClientSampleId :** PB110744ZHE#11

Tgt Ion: 42 Resp: 1343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 32.0 | 48.0 |
| 71 | 40.0 | 30.1 | 45.1 |

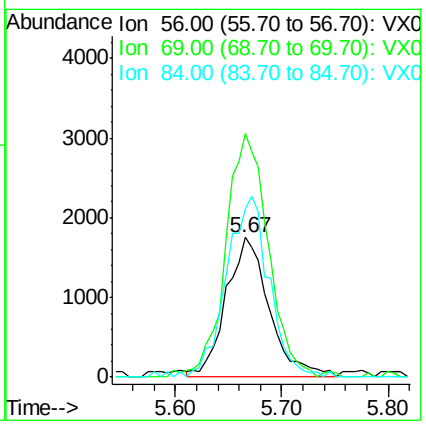


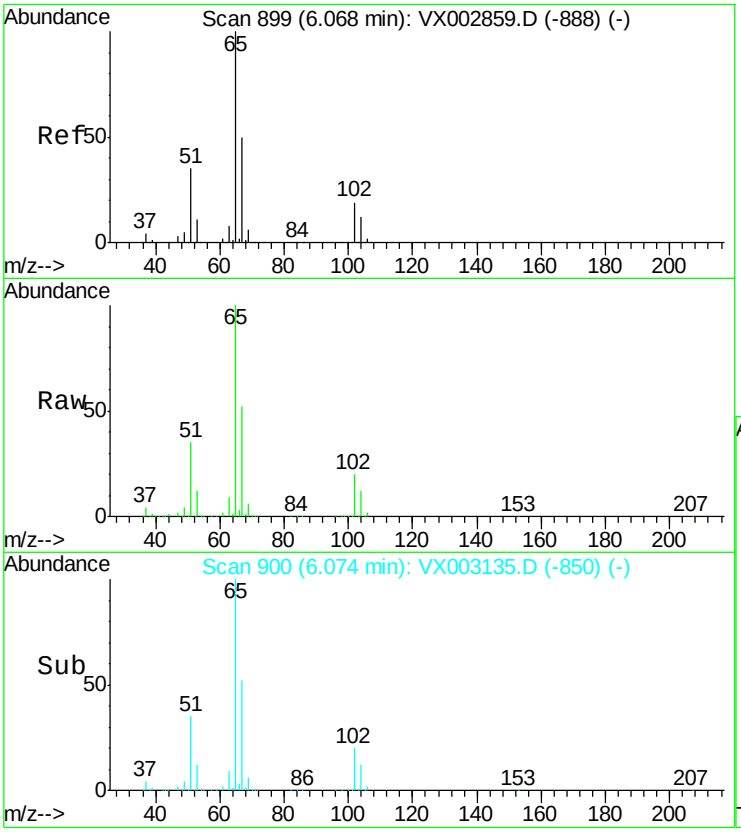




#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 56 Resp: 4982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 171.6 | 23.7 | 35.5# |
| 84 | 120.4 | 64.1 | 96.1# |



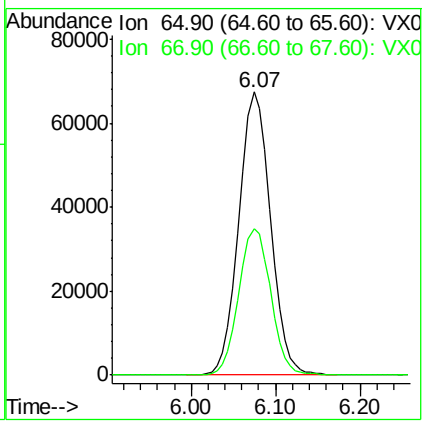


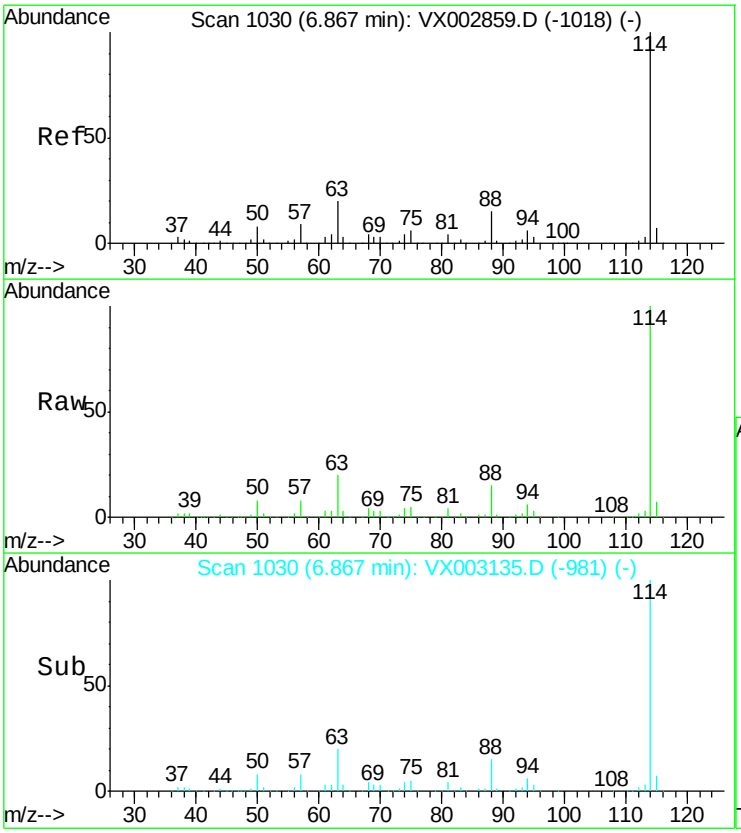

#33
1,2-Dichloroethane-d4
Concen: 46.91 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 65 Resp: 171663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 102.6 |

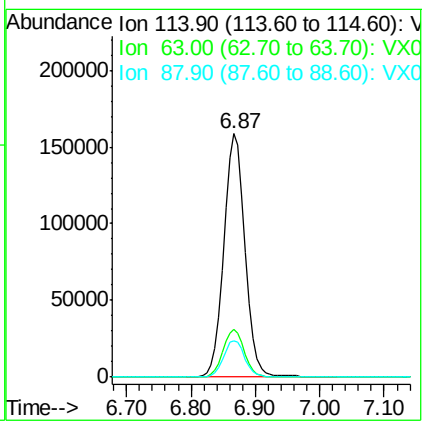


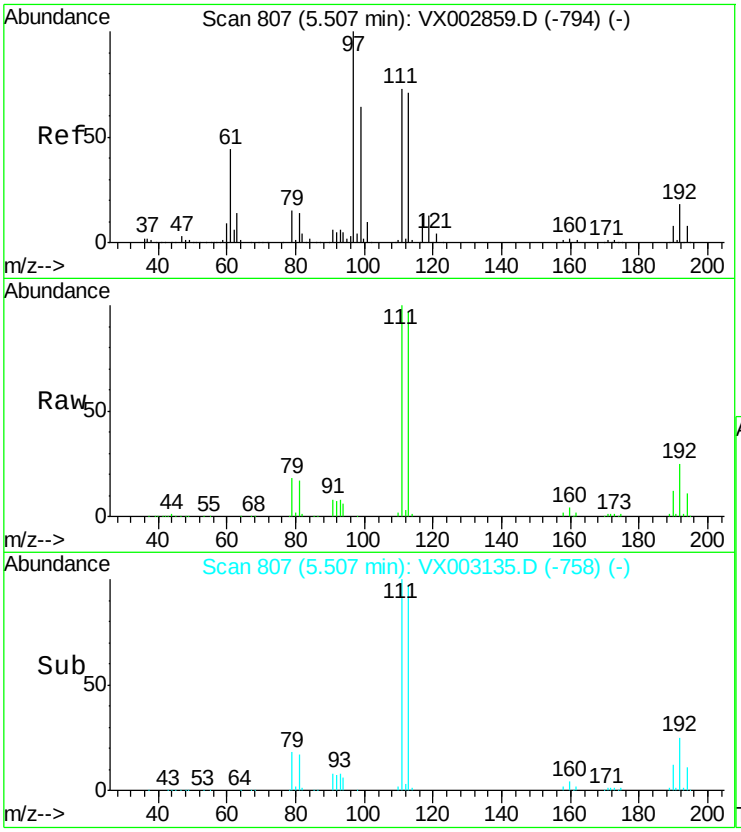




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion:114 Resp: 369516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 41.4 |
| 88 | 14.9 | 0.0 | 30.0 |



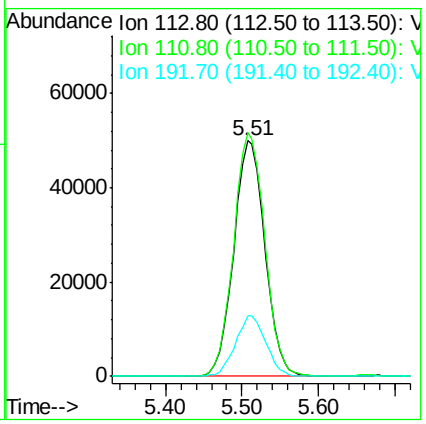


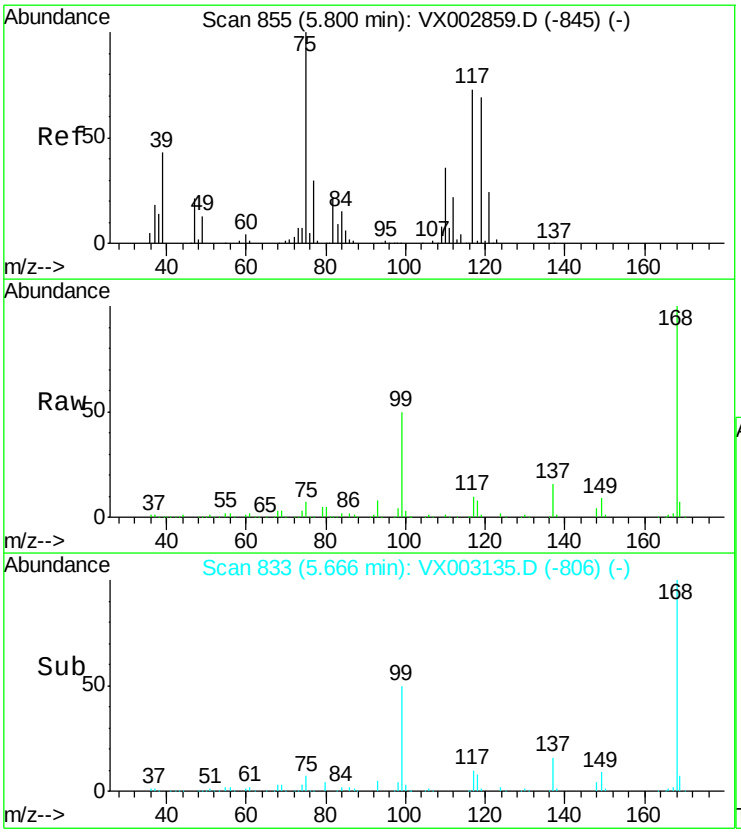

#35
Dibromofluoromethane
Concen: 48.30 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion:113 Resp: 141347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 81.4 | 122.0 |
| 192 | 25.2 | 19.1 | 28.7 |

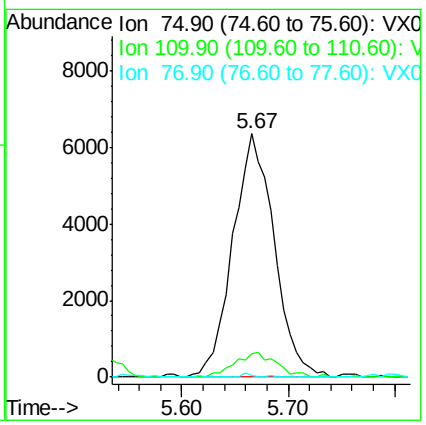


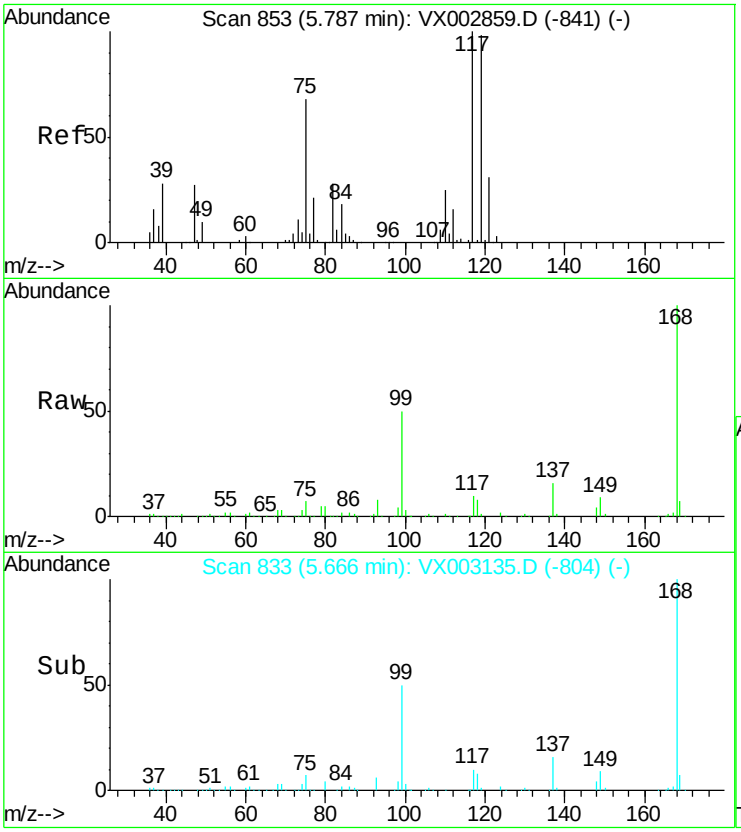




#36
1,1-Dichloropropene
Concen: 4.27 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 75 Resp: 17305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.2 | 18.1 | 54.4# |
| 77 | 0.4 | 24.3 | 36.5# |



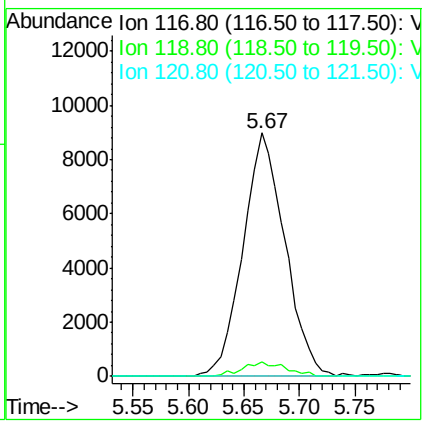


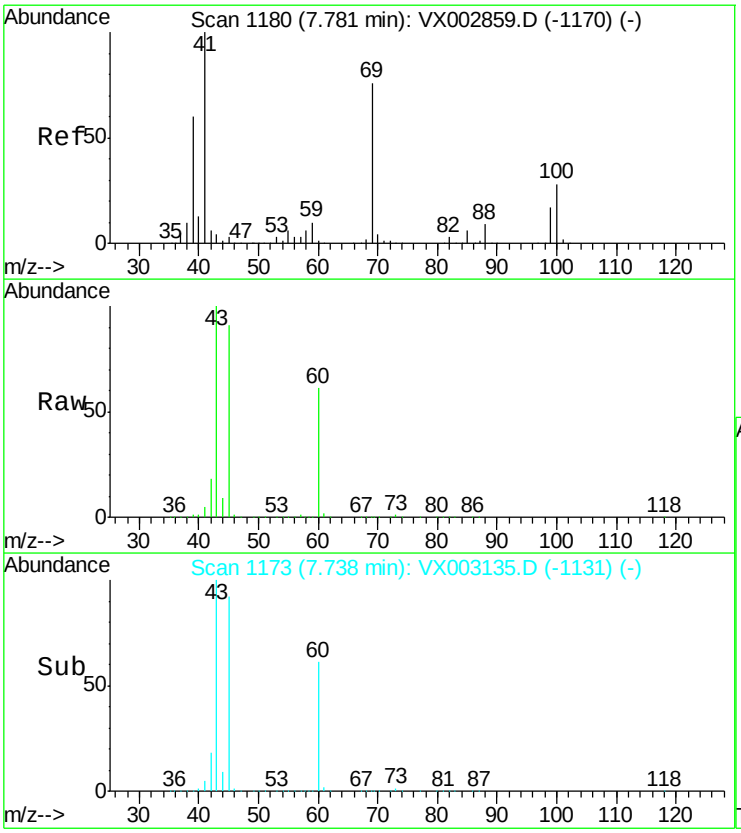

#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion:117 Resp: 23482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.7 | 77.4 | 116.0# |
| 121 | 0.0 | 24.4 | 36.6# |

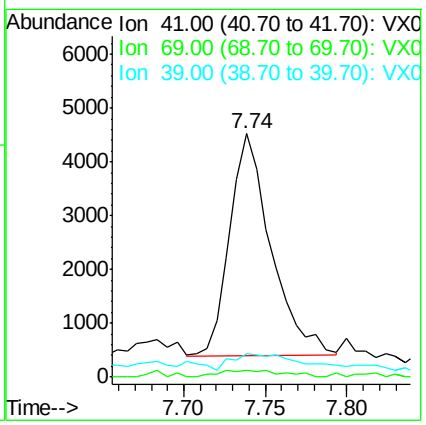


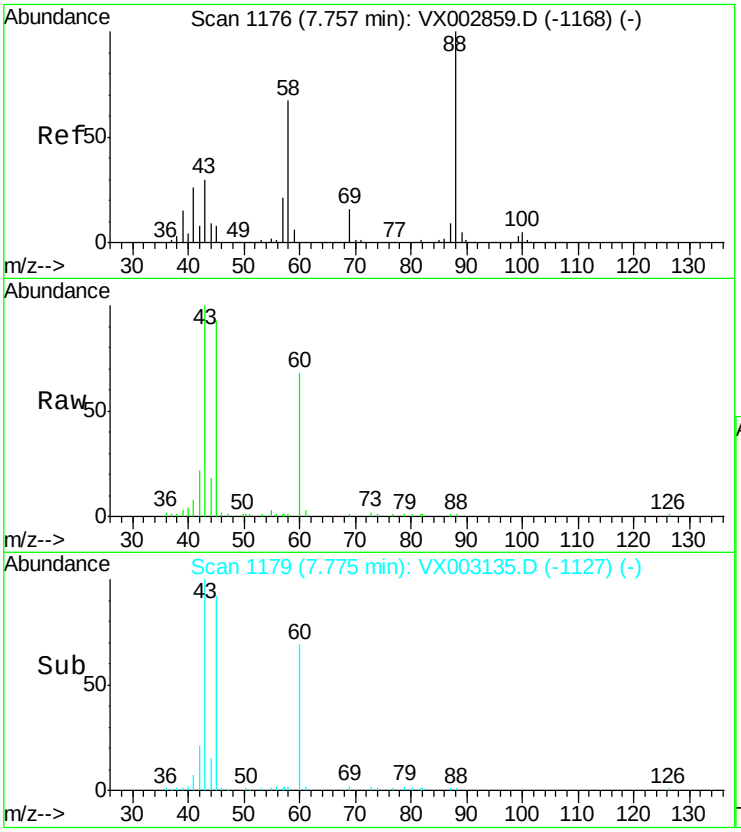




#48
Methyl methacrylate
Concen: 1.94 ug/l
RT: 7.74 min Scan# 1173
Delta R.T. -0.04 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 41 Resp: 7305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 5.0 | 59.1 | 88.7# |
| 39 | 12.3 | 48.9 | 73.3# |



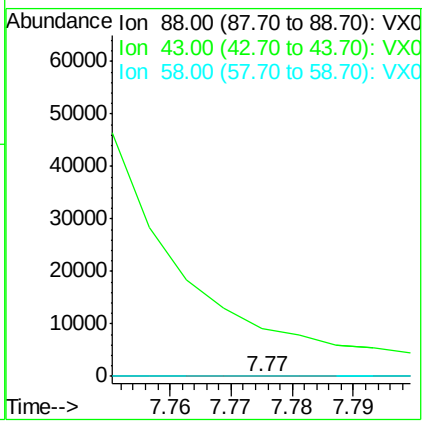


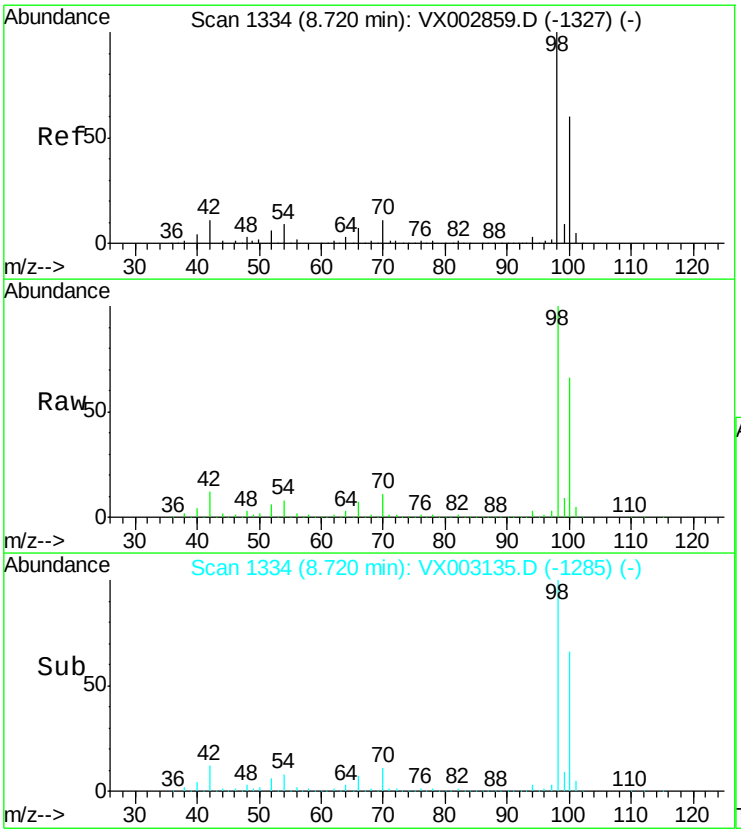

#49
1,4-Dioxane
Concen: 0.31 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.02 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 88 Resp: 23

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 29.8 | 44.6# |
| 58 | 0.0 | 57.1 | 85.7# |

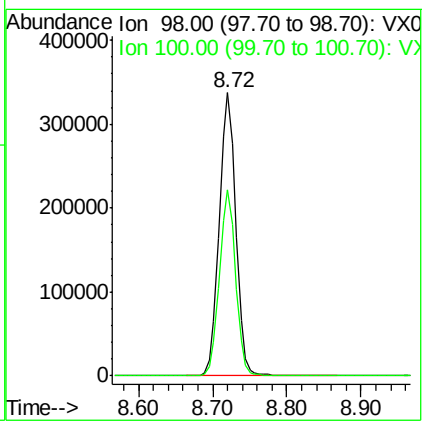


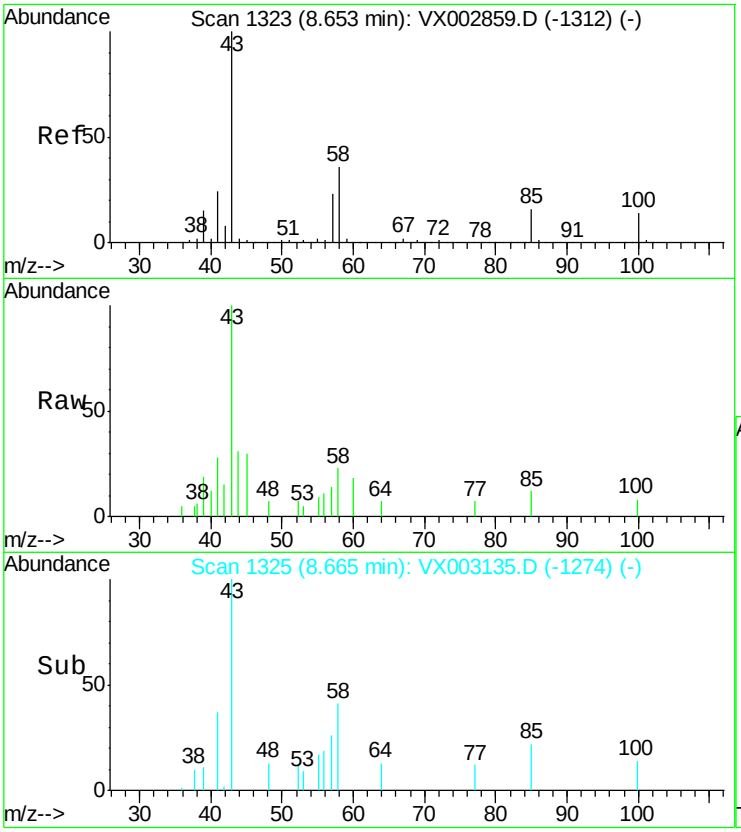




#50
Toluene-d8
Concen: 48.84 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 98 Resp: 521843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 50.9 | 76.3 |



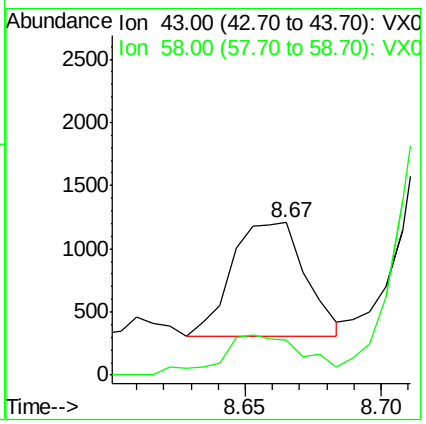


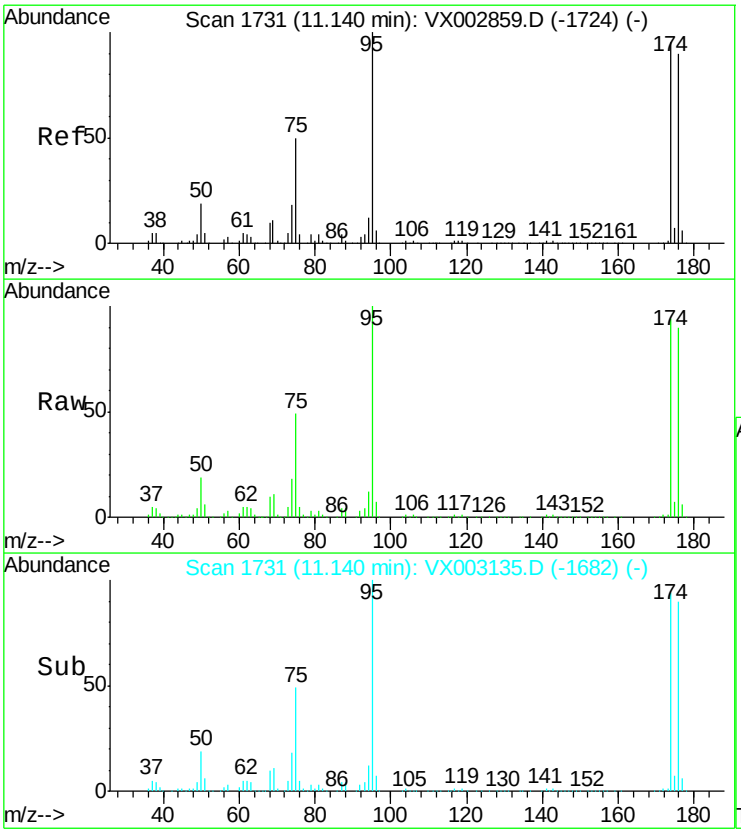

#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 43 Resp: 1679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 28.6 | 42.8 |

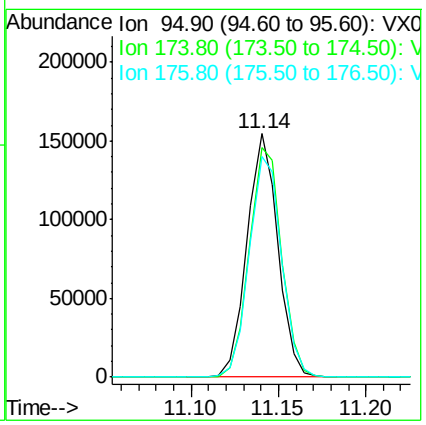


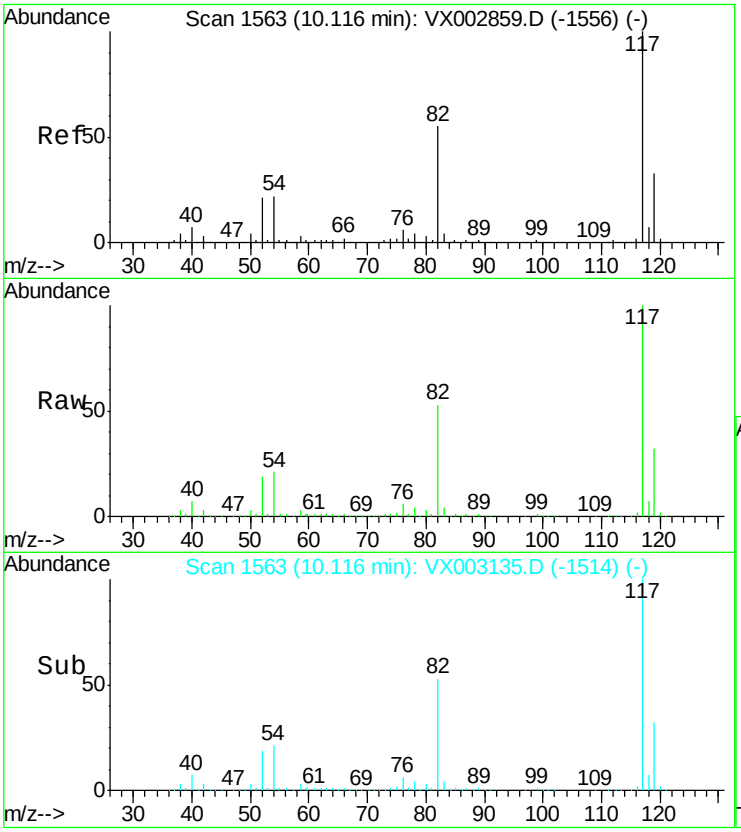




#62
4-Bromofluorobenzene
Concen: 45.94 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 95 Resp: 189312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.8 | 0.0 | 187.4 |
| 176 | 94.9 | 0.0 | 181.0 |



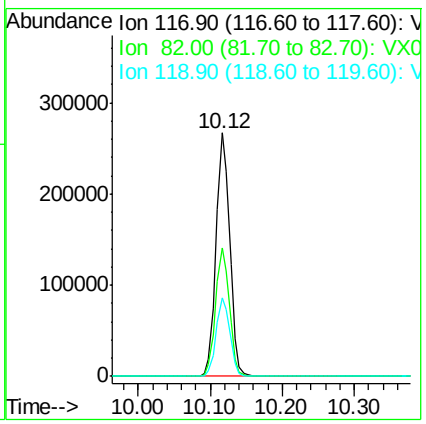


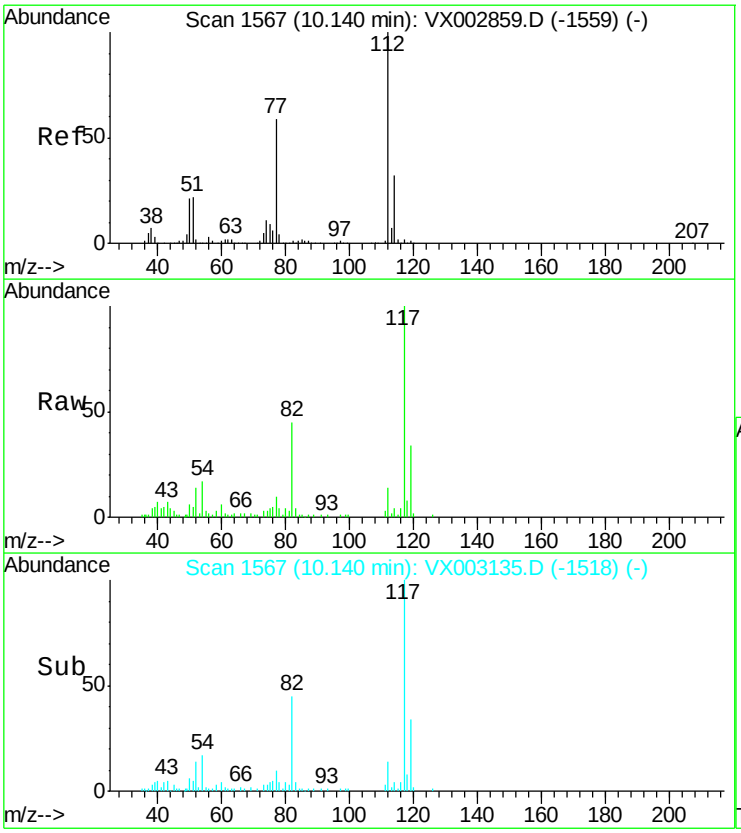

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion:117 Resp: 349865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 45.0 | 67.4 |
| 119 | 32.5 | 25.8 | 38.6 |

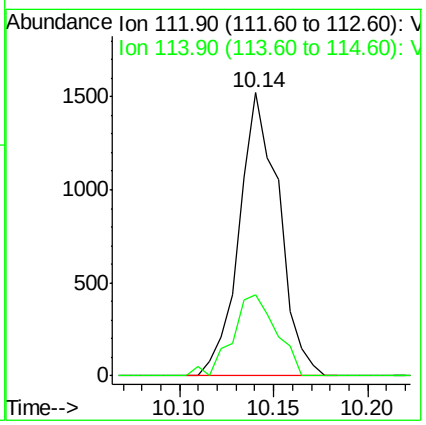


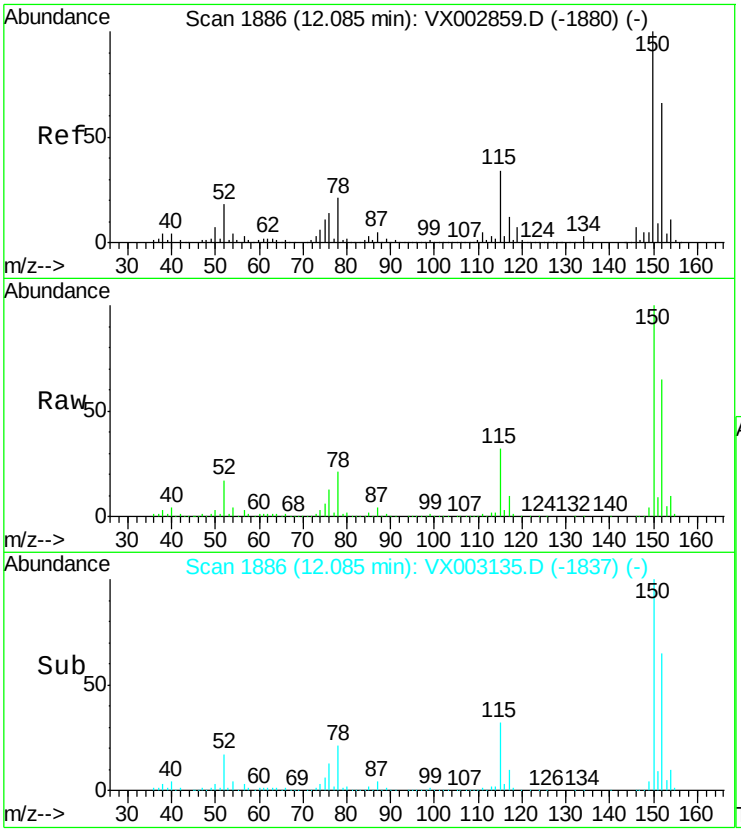




#65
Chlorobenzene
Concen: 0.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion:112 Resp: 2227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 28.5 | 25.3 | 37.9 |



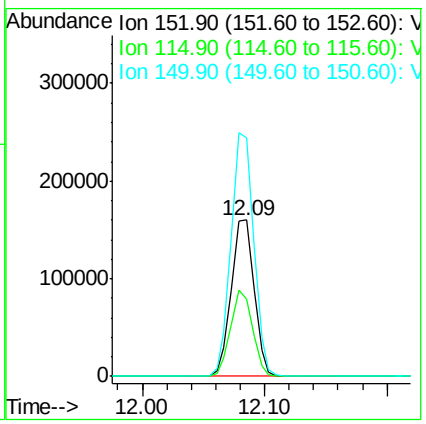


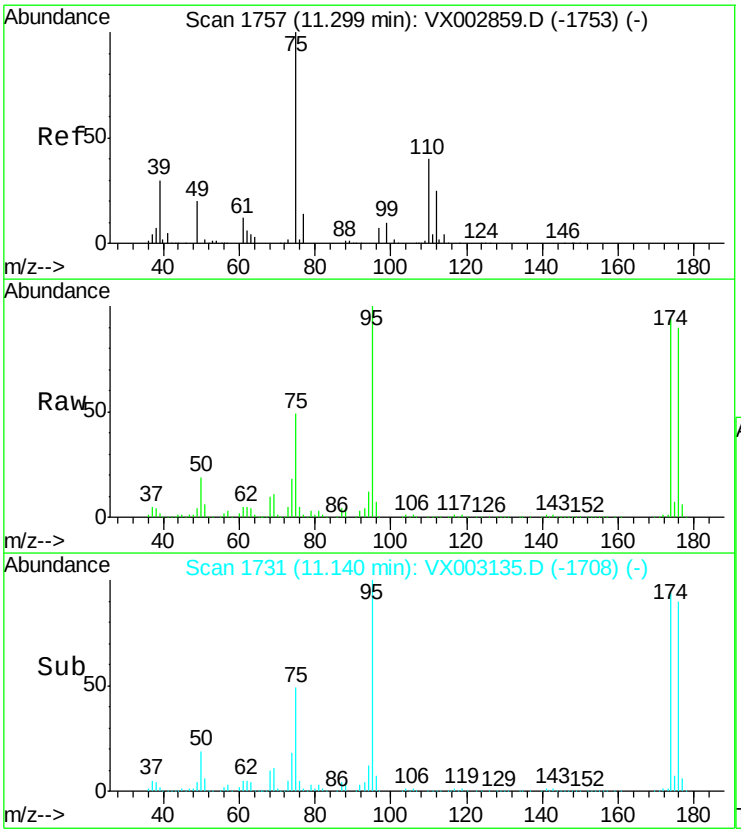

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion:152 Resp: 206175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.7 | 40.1 | 120.2 |
| 150 | 154.7 | 0.0 | 347.2 |

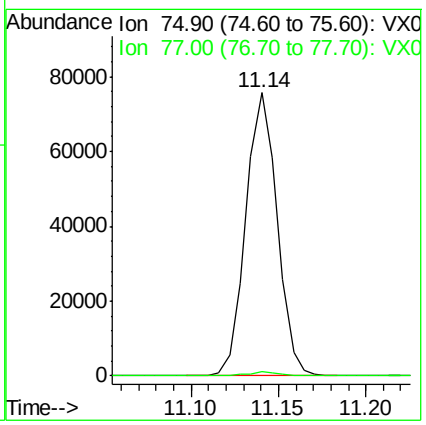


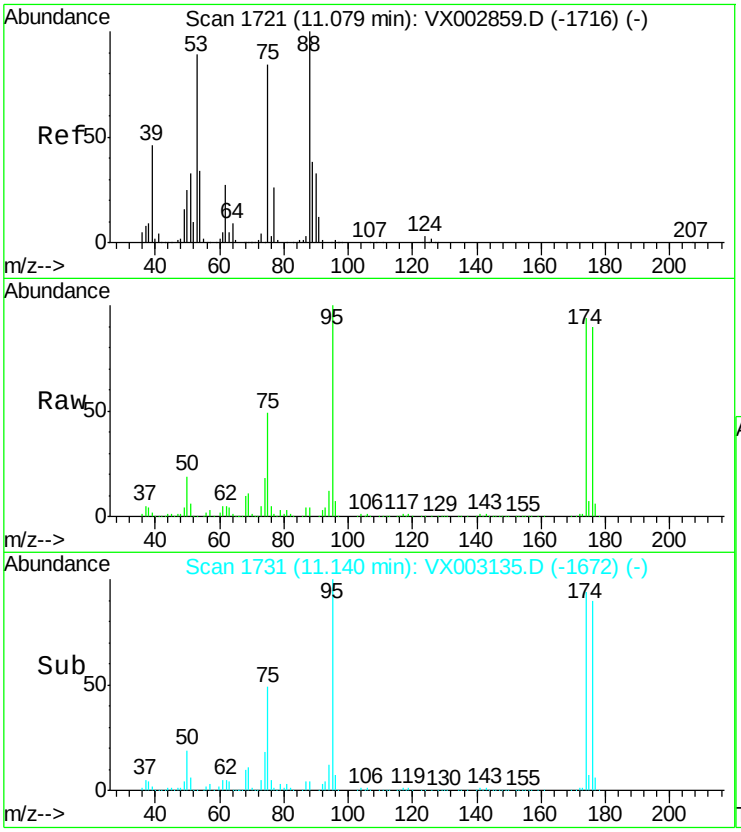




#76
1,2,3-Trichloropropane
Concen: 25.28 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 75 Resp: 94417

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



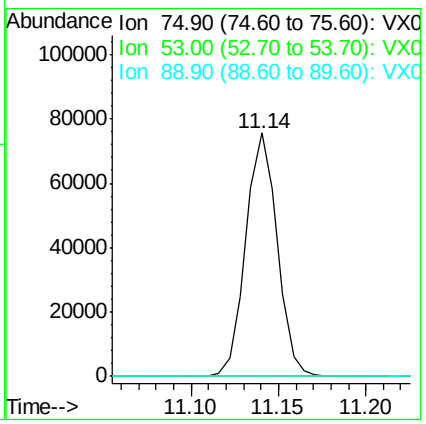


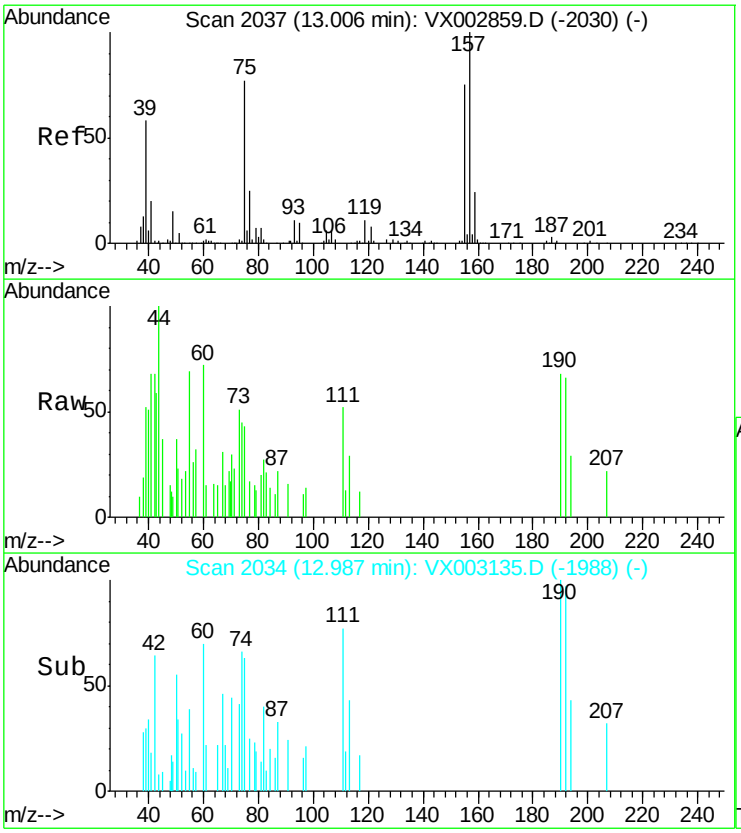

#81
trans-1,4-Dichloro-2-butene
Concen: 71.78 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB110744ZHE#11

Tgt Ion: 75 Resp: 94417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.5 | 86.8 | 130.2# |
| 89 | 0.0 | 38.2 | 57.2# |




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.39 ug/l
RT: 12.99 min Scan# 2034
Delta R.T. -0.02 min
Lab File: VX003135.D
Acq: 02 Jul 2018 18:51

Tgt Ion: 75 Resp: 375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 45.8 | 137.4# |
| 157 | 0.0 | 60.1 | 180.3# |