Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
Data File : VX007903.D
Acq On : 08 Mar 2019 00:44
Operator : JC/SP
Sample : PB117653TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB117653TB

Quant Time: Mar 08 04:50:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 286126 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 447599 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 429743 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 204554 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 158515 | 52.52 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.04% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 147077 | 51.37 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.74% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 551313 | 52.43 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.86% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 200958 | 54.51 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.02% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.65 | 94 | 513 | Below Cal | # | 67 |
| 6) Chloroethane | 1.54 | 64 | 13631 | 6.555 | ug/l # | 47 |
| 8) Diethyl Ether | 2.19 | 74 | 366 | 0.207 | ug/l | 74 |
| 11) Tert butyl alcohol | 3.06 | 59 | 1703 | 2.523 | ug/l # | 89 |
| 13) Acrolein | 2.30 | 56 | 218 | 2.109 | ug/l # | 80 |
| 15) Acrylonitrile | 3.14 | 53 | 550 | 0.323 | ug/l | 96 |
| 16) Acetone | 2.45 | 43 | 9720 | 5.564 | ug/l | 96 |
| 17) Carbon Disulfide | 2.57 | 76 | 2088 | Below Cal | # | 83 |
| 18) Methyl Acetate | 2.78 | 43 | 6030 | 1.625 | ug/l | 97 |
| 20) Methylene Chloride | 2.86 | 84 | 16212 | 5.831 | ug/l | 96 |
| 25) 2-Butanone | 4.71 | 43 | 7972 | 3.223 | ug/l | 96 |
| 29) Tetrahydrofuran | 5.17 | 42 | 1235 | 0.800 | ug/l | 94 |
| 31) Cyclohexane | 5.66 | 56 | 4706 | 1.015 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 17983 | 4.437 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 24097 | 6.263 | ug/l # | 17 |
| 41) Methacrylonitrile | 5.17 | 41 | 831 | 0.317 | ug/l # | 43 |
| 43) Isopropyl Acetate | 6.46 | 43 | 18520 | 2.602 | ug/l | 100 |
| 48) Methyl methacrylate | 7.68 | 41 | 9791 | 2.616 | ug/l # | 16 |
| 49) 1,4-Dioxane | 7.88 | 88 | 235 | 3.057 | ug/l # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 86987 | 19.003 | ug/l # | 49 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 42730 | 9.481 | ug/l # | 60 |
| 57) 1,3-Dichloropropane | 9.54 | 76 | 9881 | 1.973 | ug/l # | 43 |
| 59) 2-Hexanone | 9.54 | 43 | 137175 | 38.598 | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 92767 | 21.612 | ug/l # | 40 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 3341 | 0.293 | ug/l | 95 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 92767 | 69.082 | ug/l # | 11 |

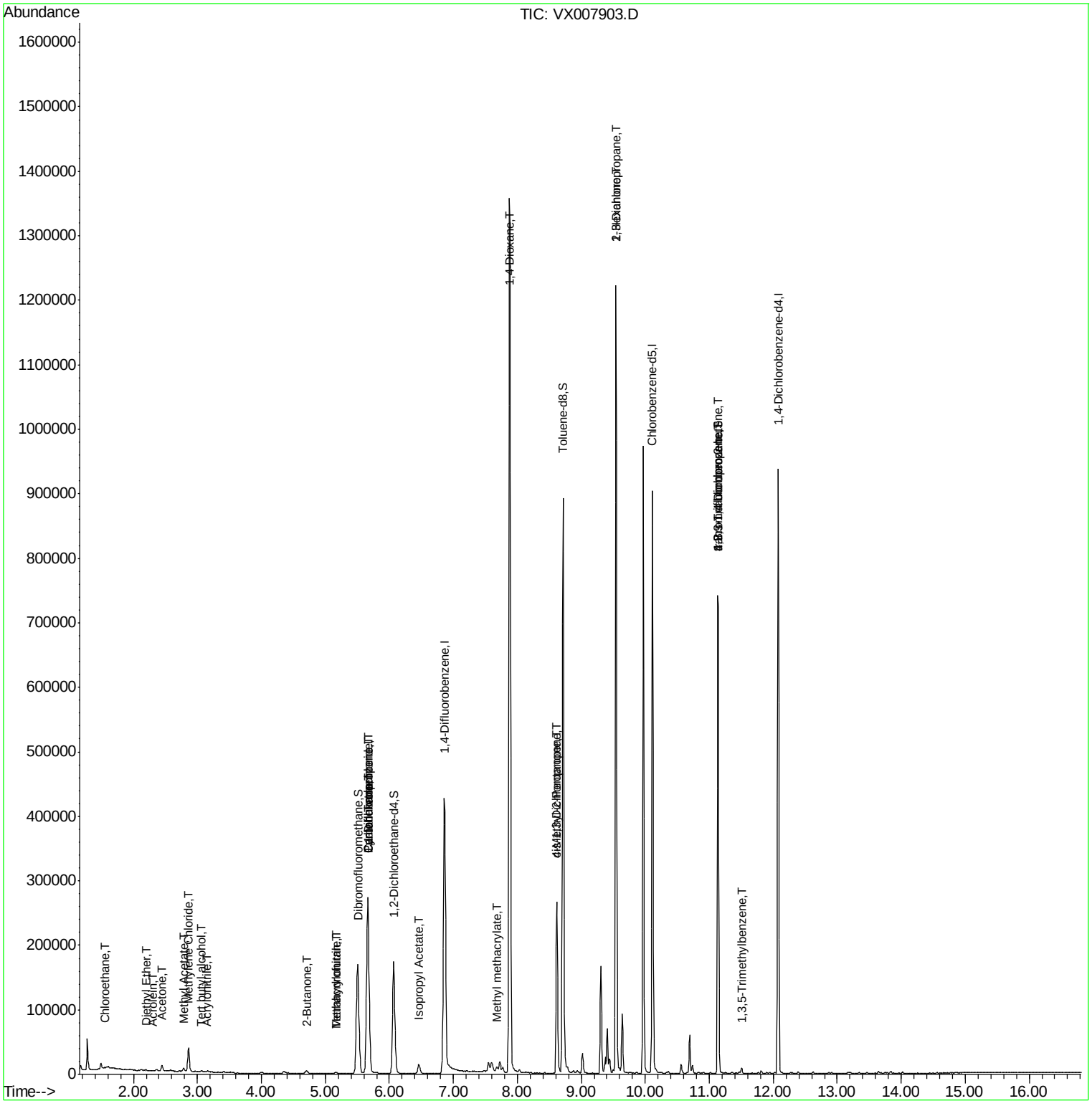
(#) = qualifier out of range (m) = manual integration (+) = signals summed

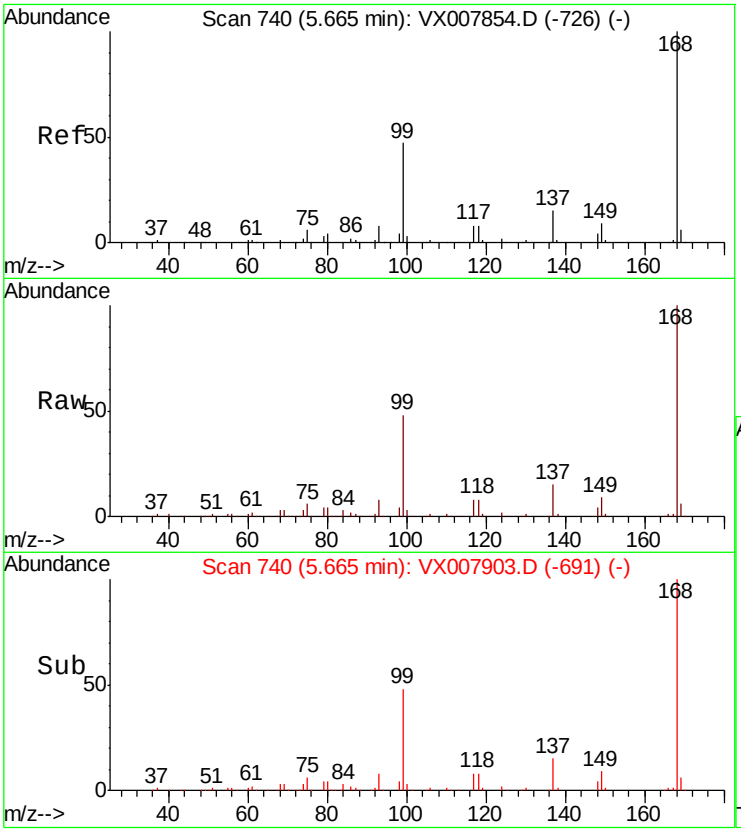
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
Data File : VX007903.D
Acq On : 08 Mar 2019 00:44
Operator : JC/SP
Sample : PB117653TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Quant Time: Mar 08 04:50:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration



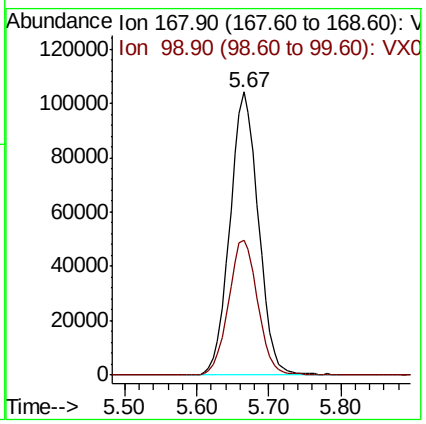


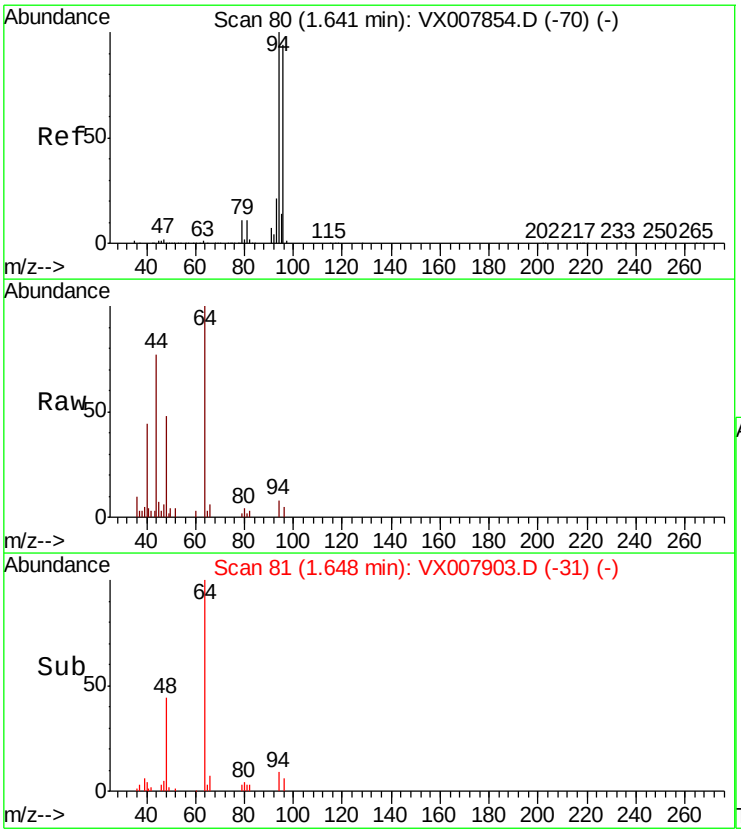

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion:168 Resp: 286126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.9 | 37.6 | 56.4 |

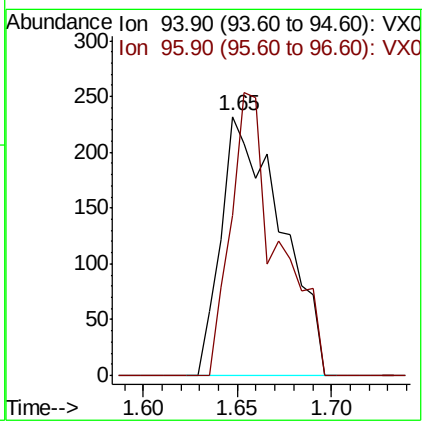


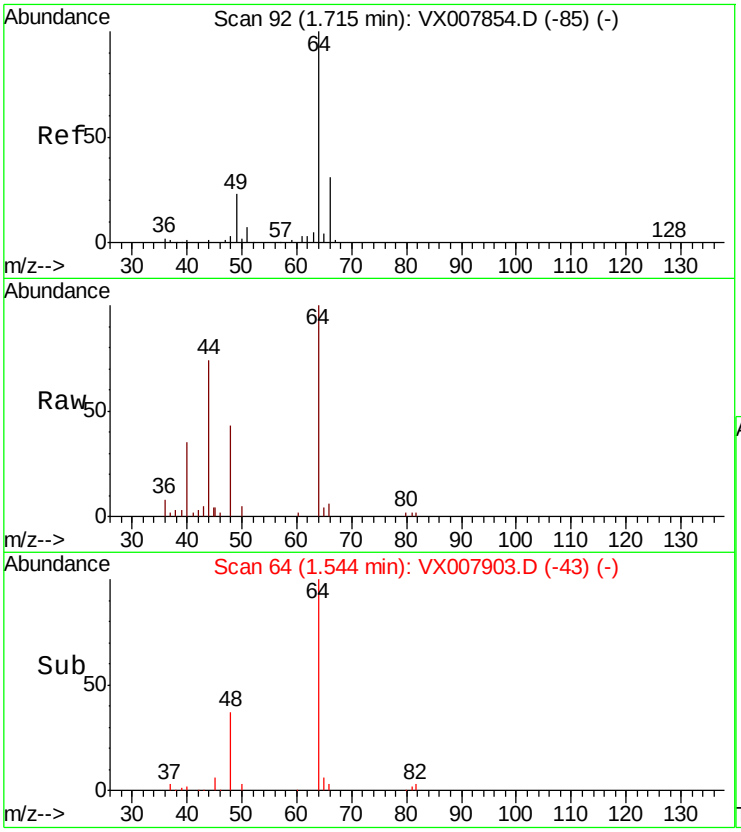




#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 94 Resp: 513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 62.1 | 75.5 | 113.3# |



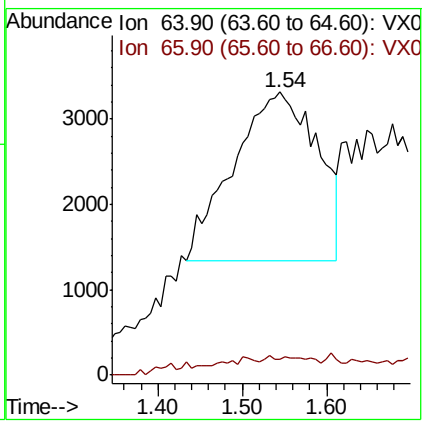


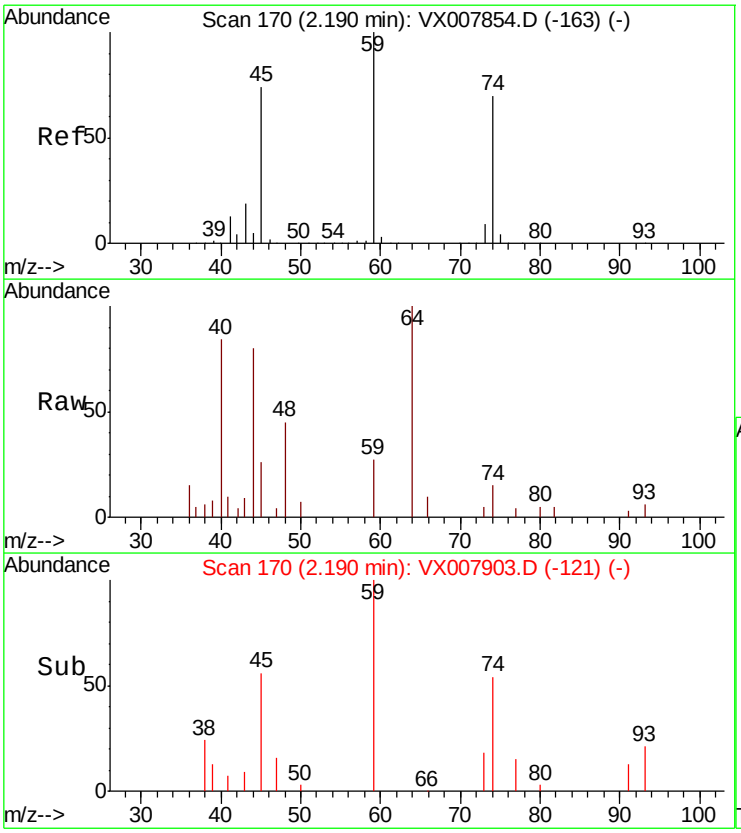

#6
Chloroethane
Concen: 6.555 ug/l
RT: 1.54 min Scan# 64
Delta R.T. -0.17 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 64 Resp: 13631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 2.0 | 25.2 | 37.8# |

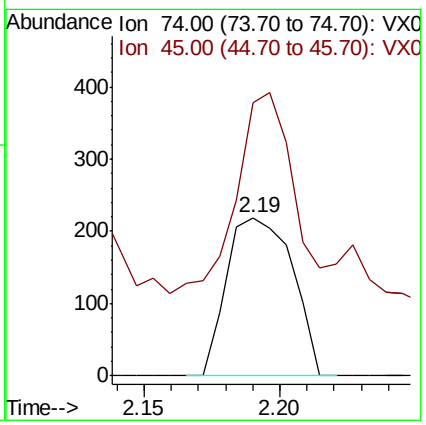


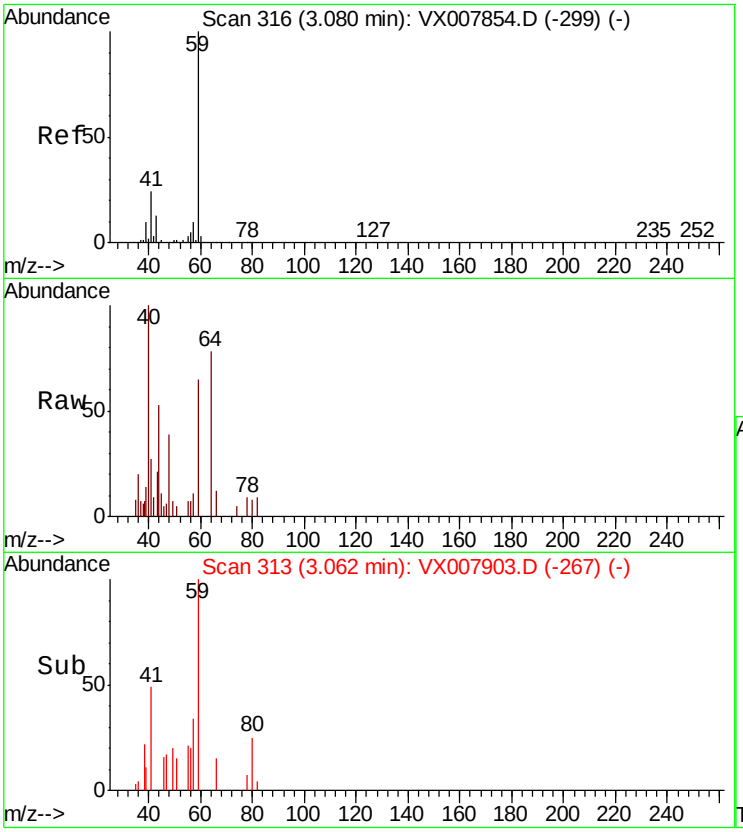




#8
Diethyl Ether
Concen: 0.207 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 74 Resp: 366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 131.1 | 52.1 | 156.4 |



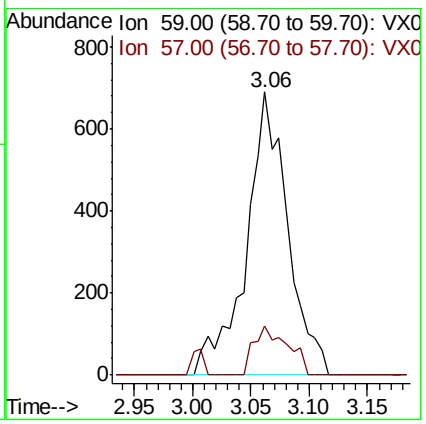


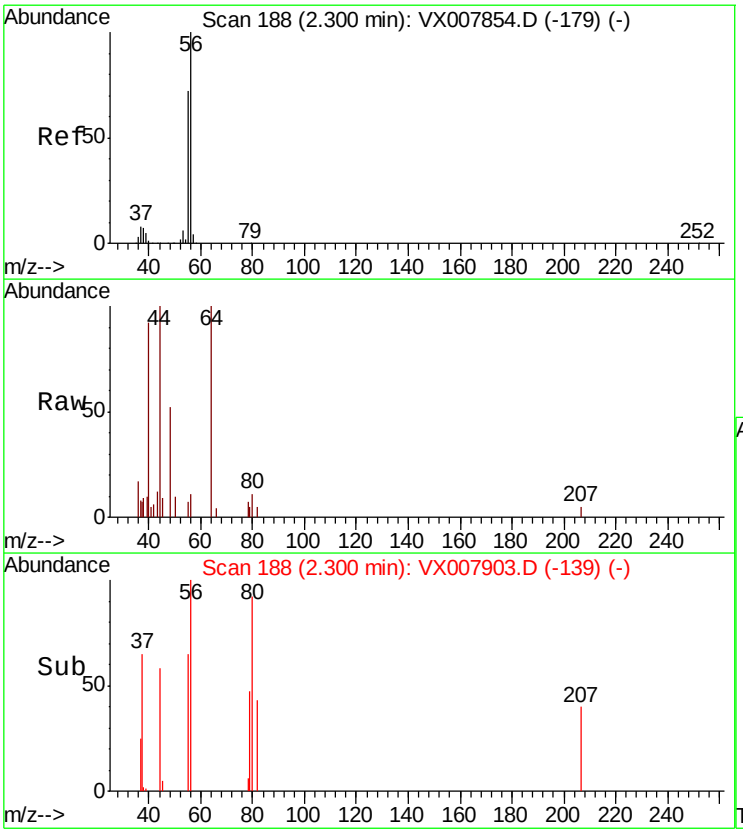

#11
Tert butyl alcohol
Concen: 2.523 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 59 Resp: 1703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 14.2 | 8.2 | 12.2# |

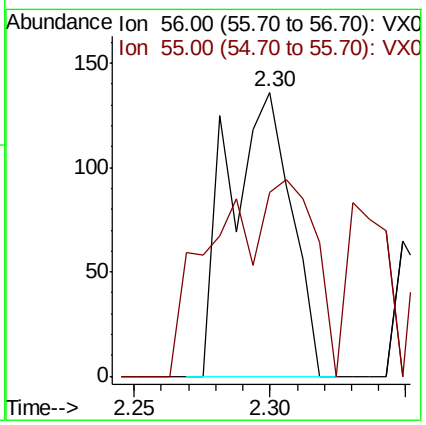


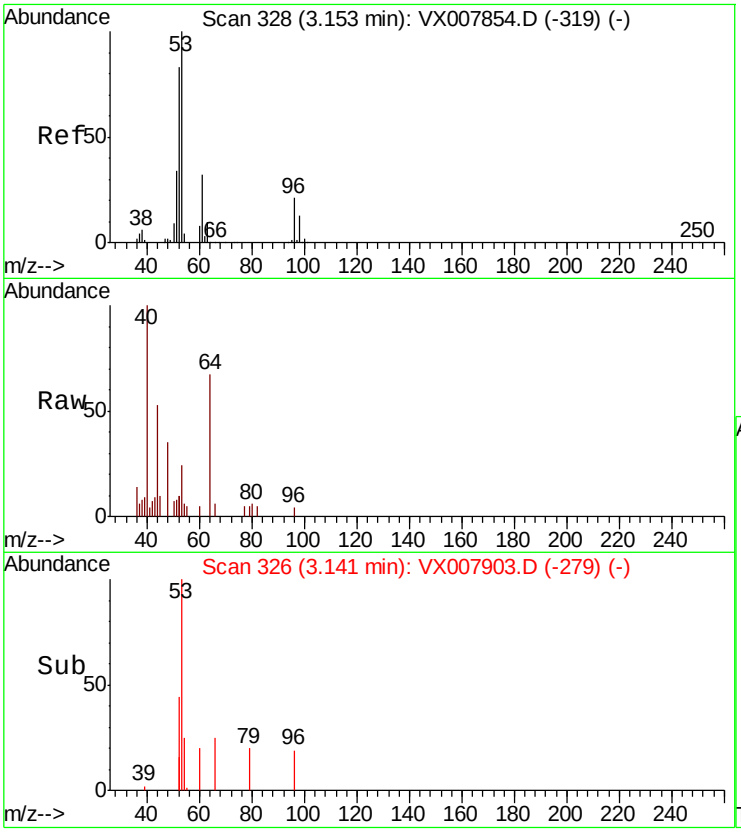




#13
Acrolein
Concen: 2.109 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 56 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 55.5 | 57.8 | 86.6# |



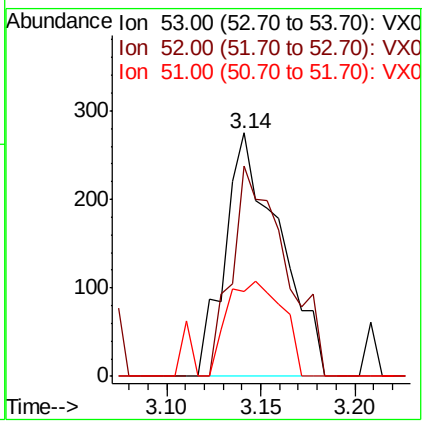


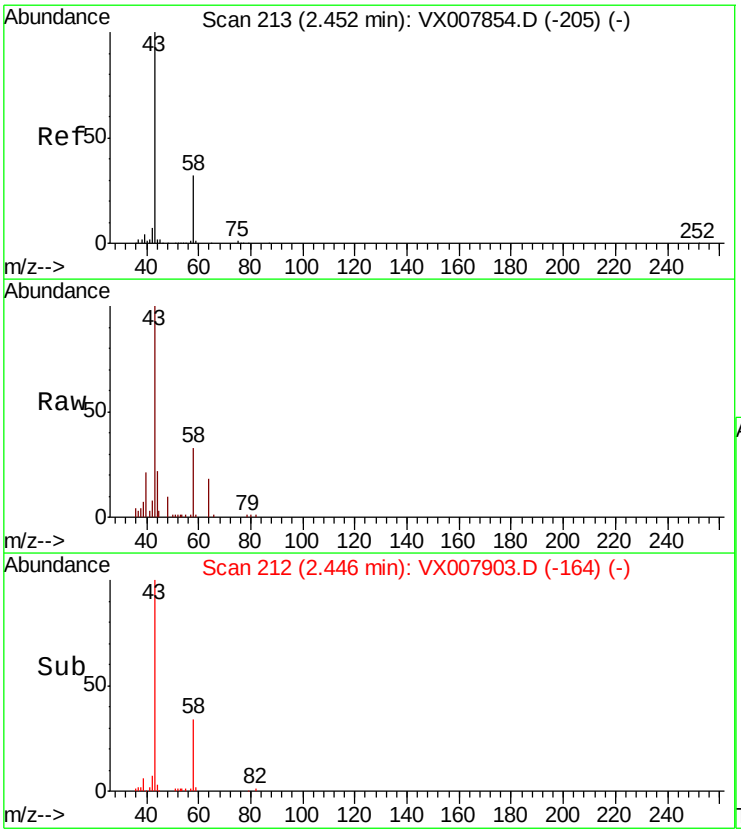

#15
Acrylonitrile
Concen: 0.323 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 53 Resp: 550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.5 | 66.0 | 99.0 |
| 51 | 40.0 | 28.0 | 42.0 |

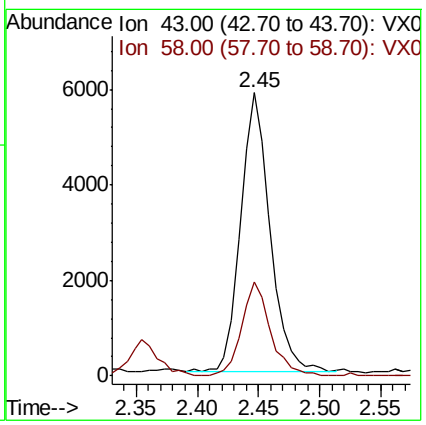


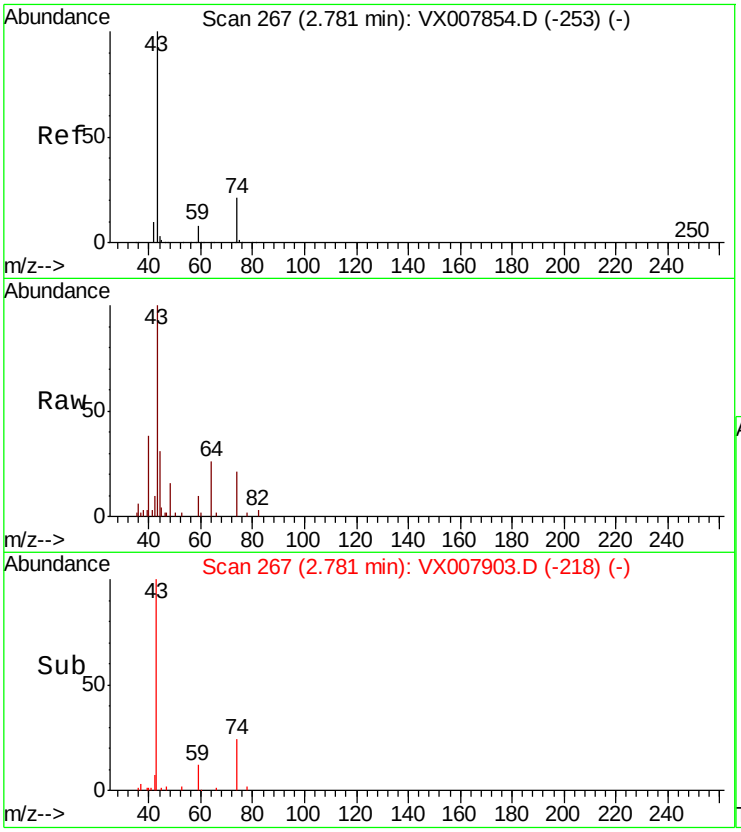




#16
Acetone
Concen: 5.564 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 43 Resp: 9720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.9 | 25.5 | 38.3 |



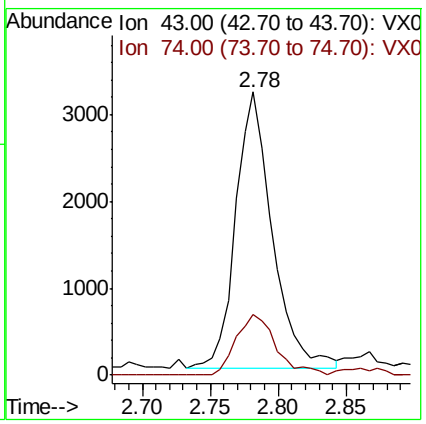


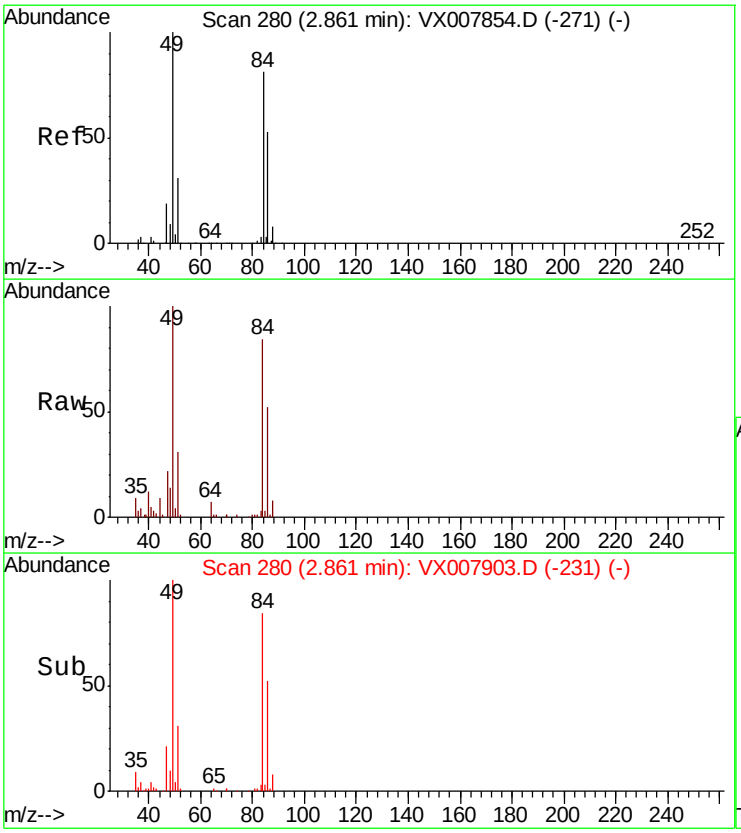

#18
Methyl Acetate
Concen: 1.625 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 43 Resp: 6030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.8 | 17.8 | 26.6 |

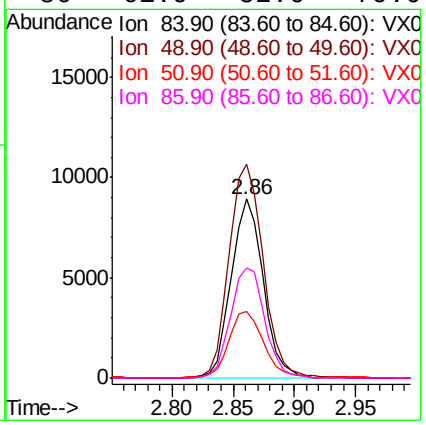


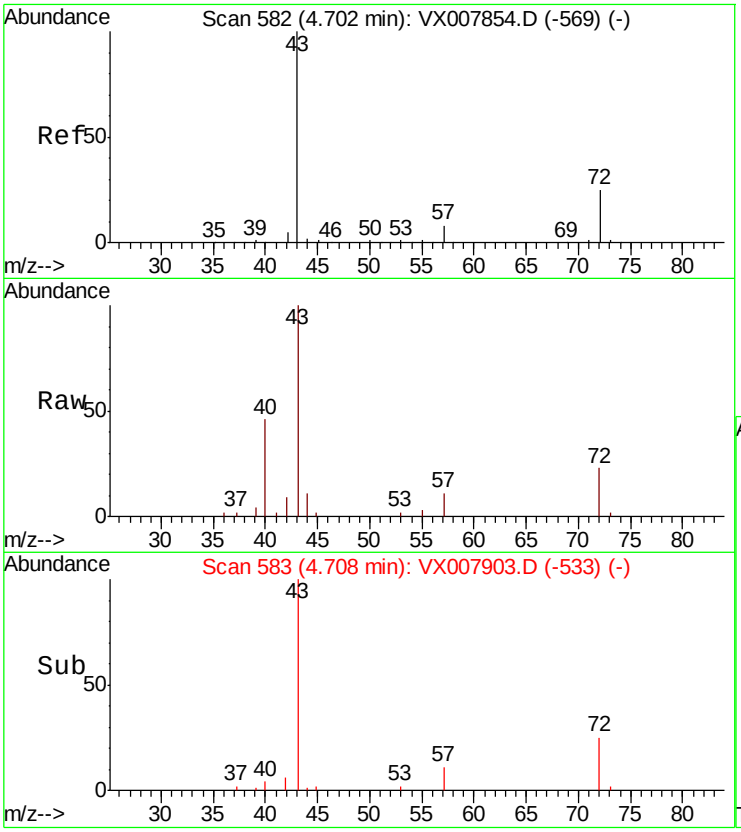




#20
Methylene Chloride
Concen: 5.831 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 84 Resp: 16212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.5 | 99.3 | 148.9 |
| 51 | 36.7 | 31.3 | 46.9 |
| 86 | 61.9 | 52.6 | 79.0 |



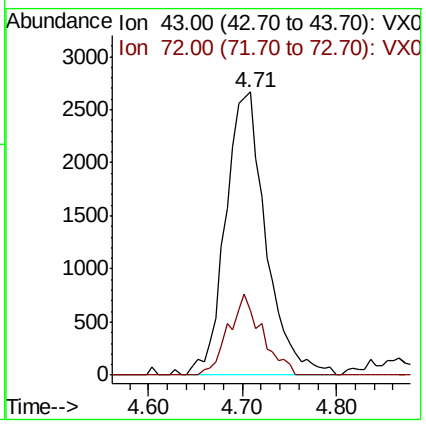


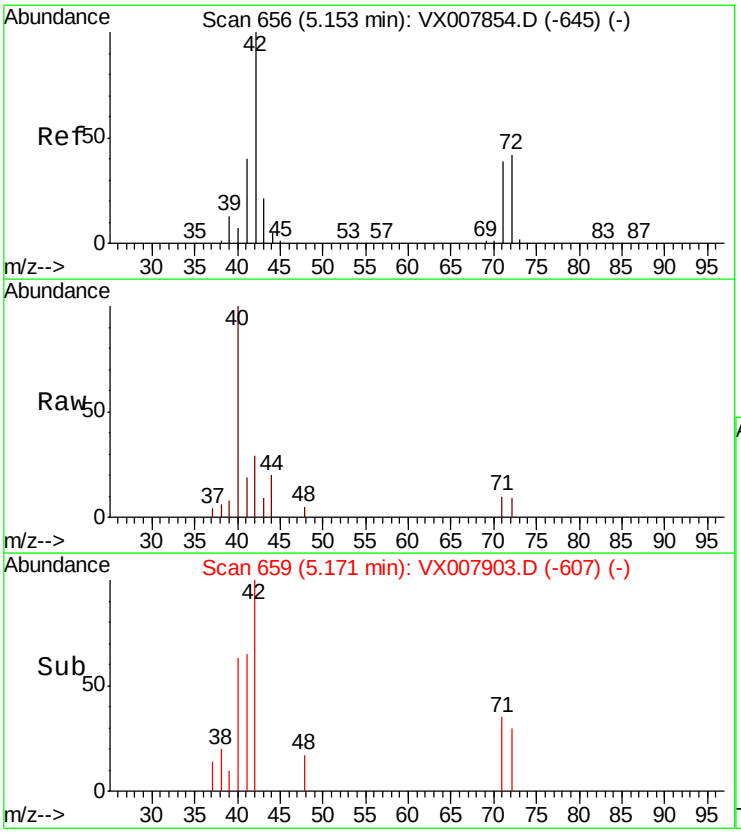

#25
2-Butanone
Concen: 3.223 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 43 Resp: 7972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.9 | 19.9 | 29.9 |

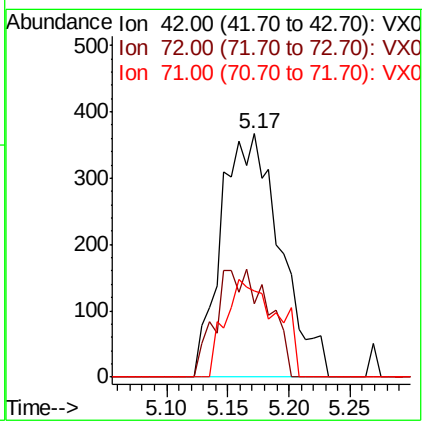


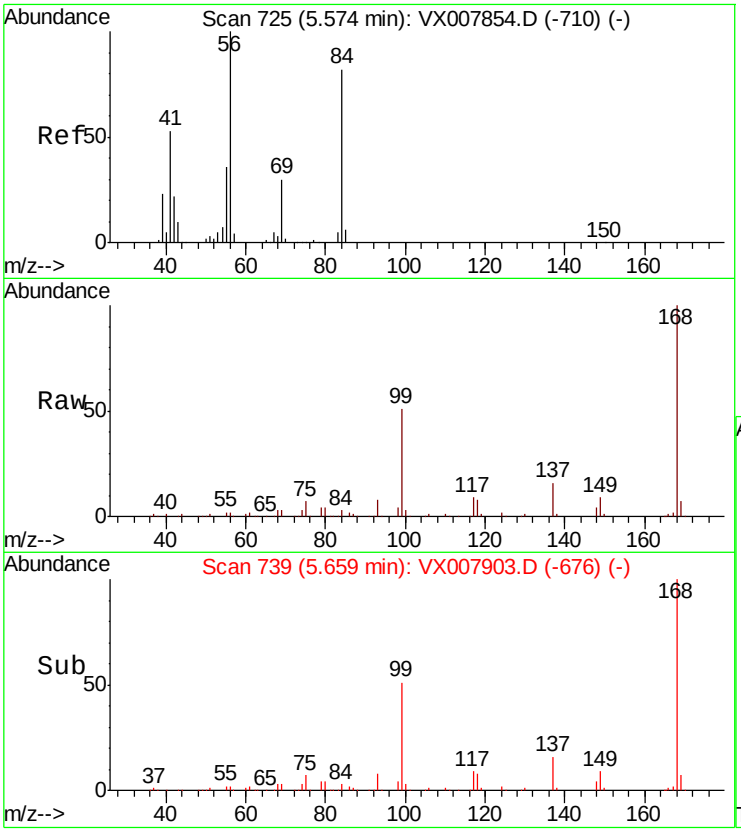




#29
Tetrahydrofuran
Concen: 0.800 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 42 Resp: 1235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.3 | 33.8 | 50.6 |
| 71 | 34.7 | 31.5 | 47.3 |



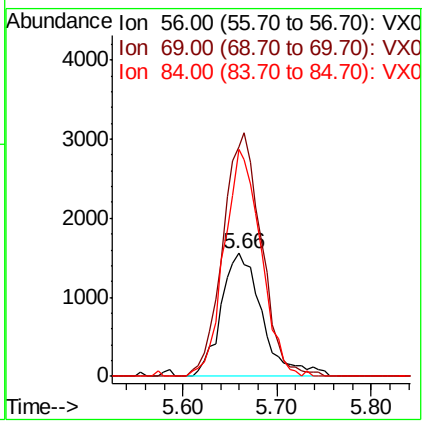


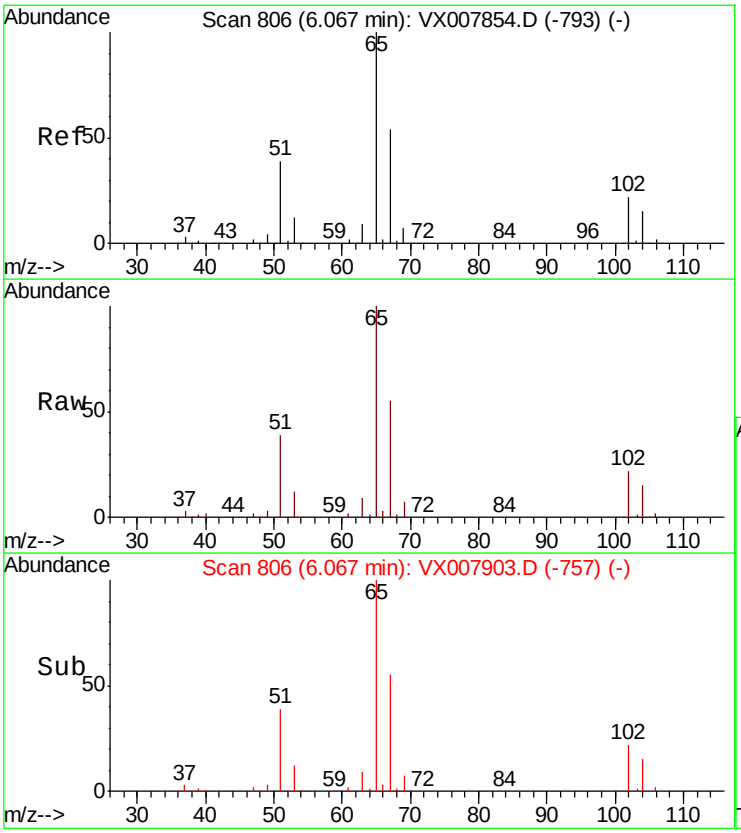

#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :** MSVOA_X
**ClientSampleId :** PB117653TB

Tgt Ion: 56 Resp: 4706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 186.9 | 24.0 | 36.0# |
| 84 | 184.6 | 65.3 | 97.9# |

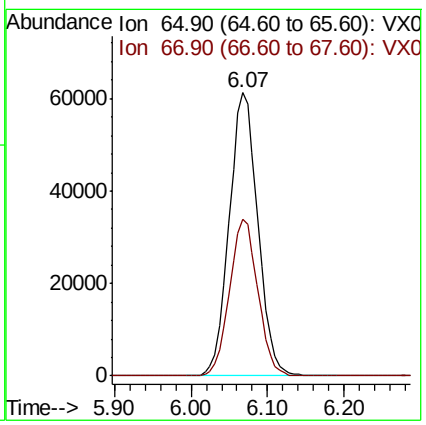


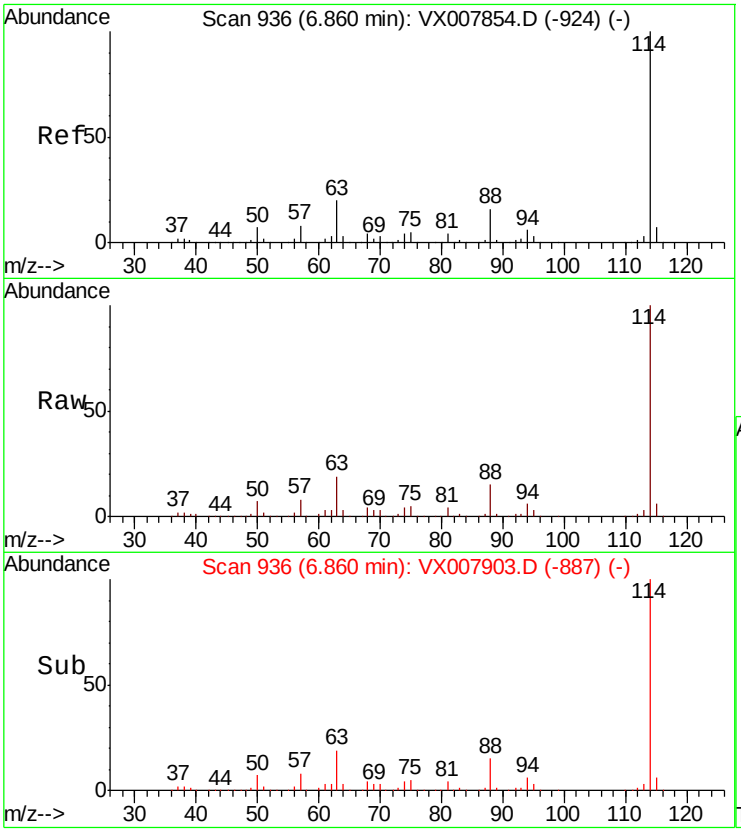




#33
1,2-Dichloroethane-d4
Concen: 52.517 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 65 Resp: 158515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.8 | 0.0 | 110.0 |



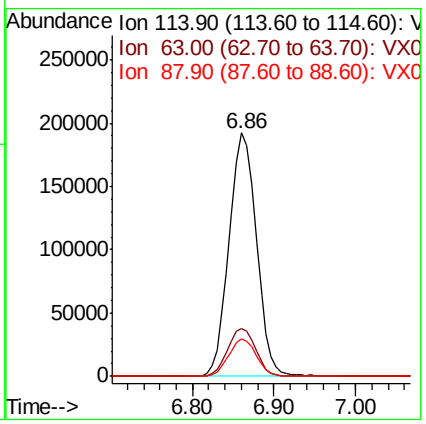


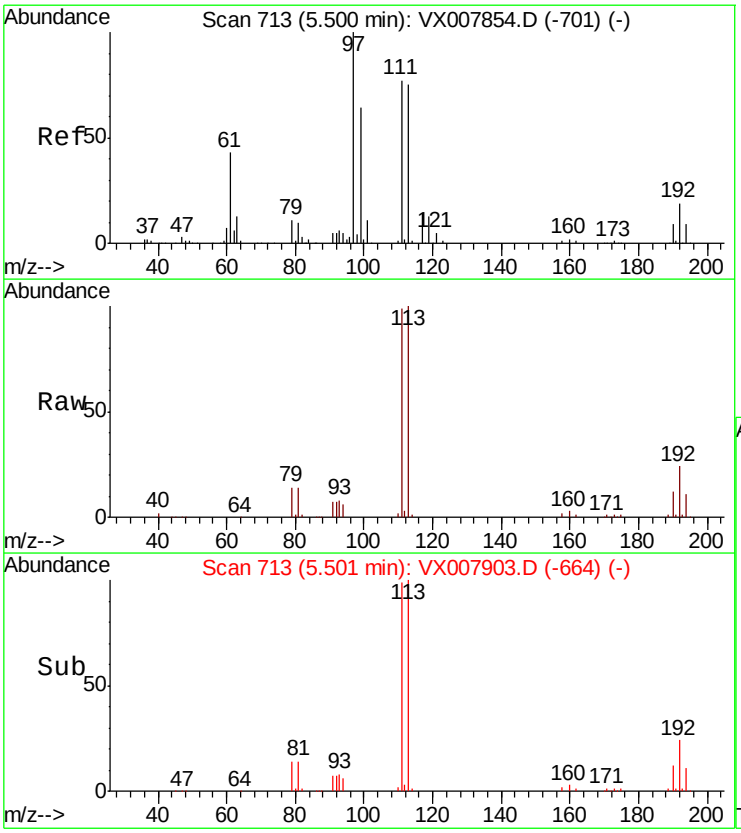

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :** MSVOA_X
**ClientSampleId :** PB117653TB

Tgt Ion:114 Resp: 447599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 39.8 |
| 88 | 15.5 | 0.0 | 31.4 |

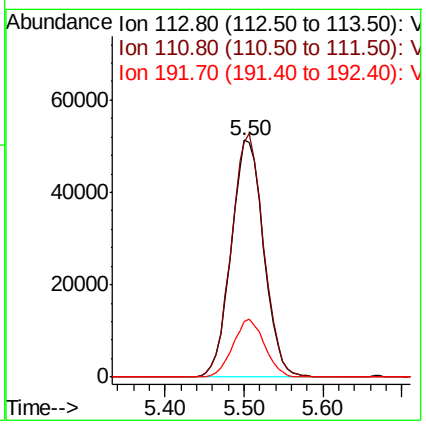


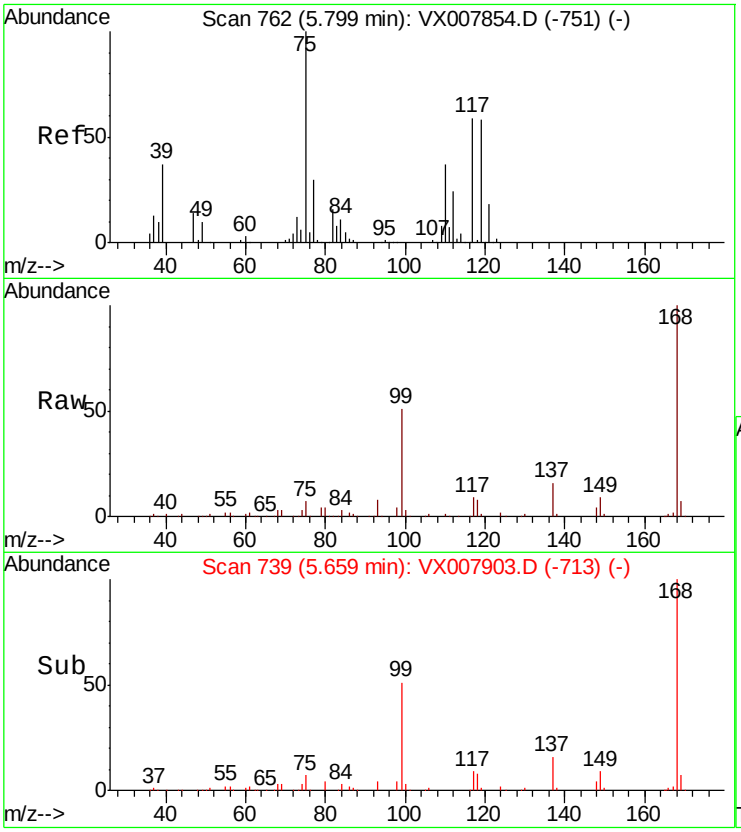




#35
Dibromofluoromethane
Concen: 51.369 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion:113 Resp: 147077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 81.4 | 122.0 |
| 192 | 24.0 | 19.4 | 29.0 |



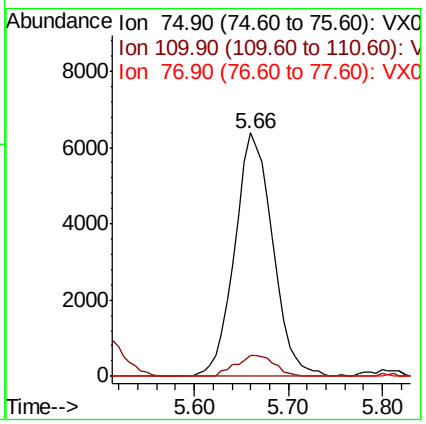


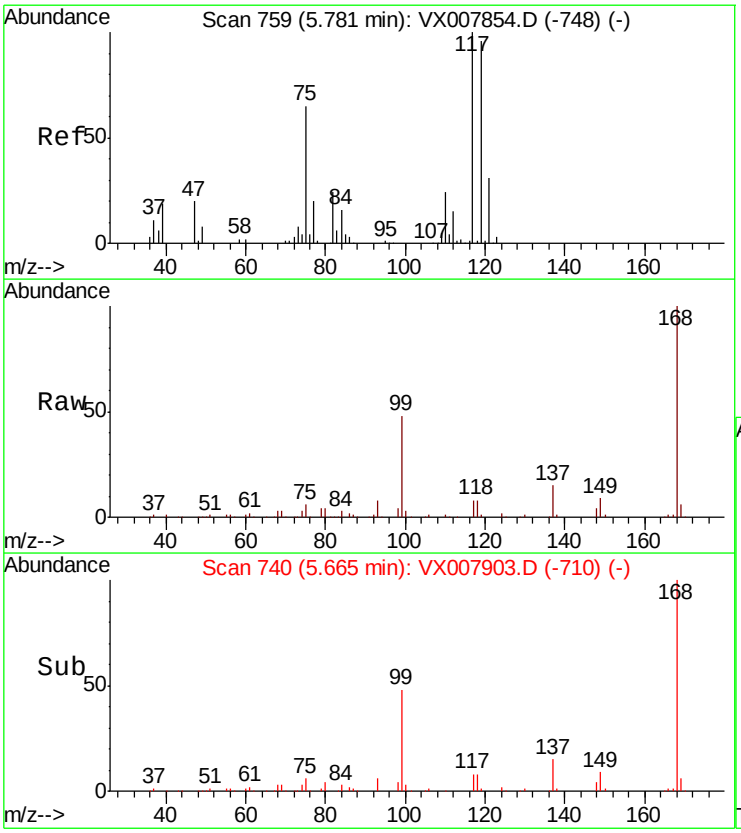

#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 75 Resp: 17983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.7 | 18.4 | 55.0# |
| 77 | 0.0 | 25.0 | 37.4# |

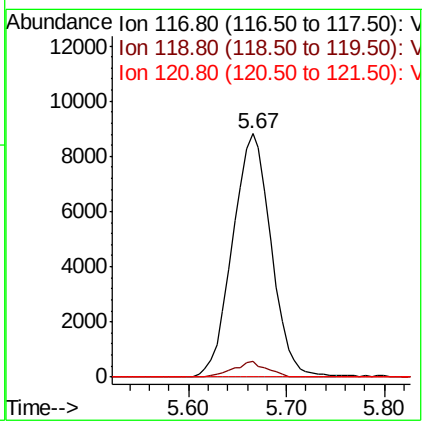


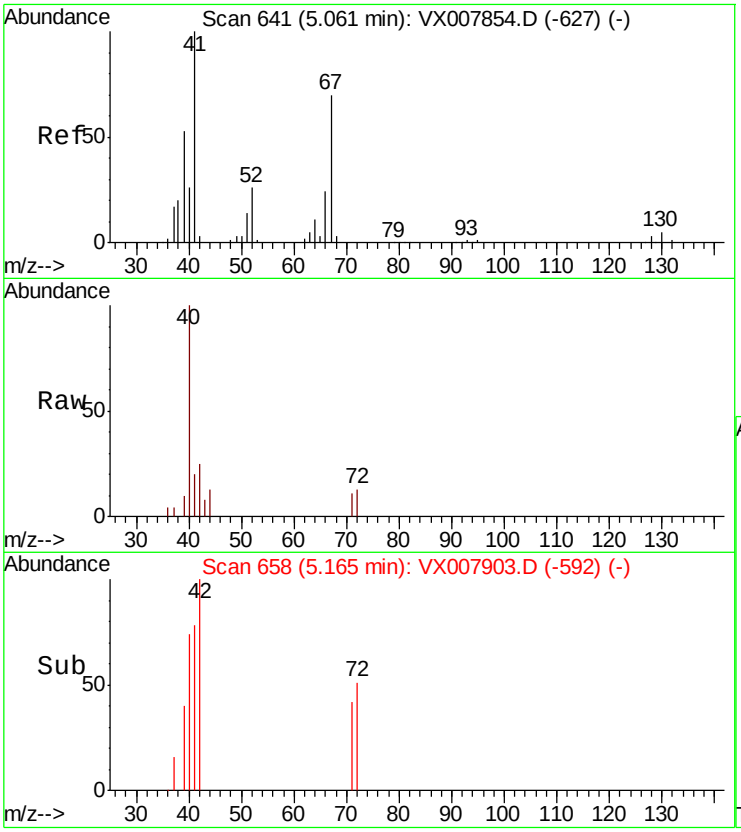




#38
Carbon Tetrachloride
Concen: 6.263 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion:117 Resp: 24097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.5 | 76.2 | 114.2# |
| 121 | 0.0 | 24.6 | 36.8# |



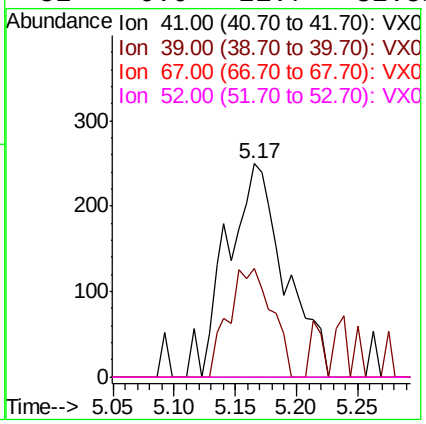


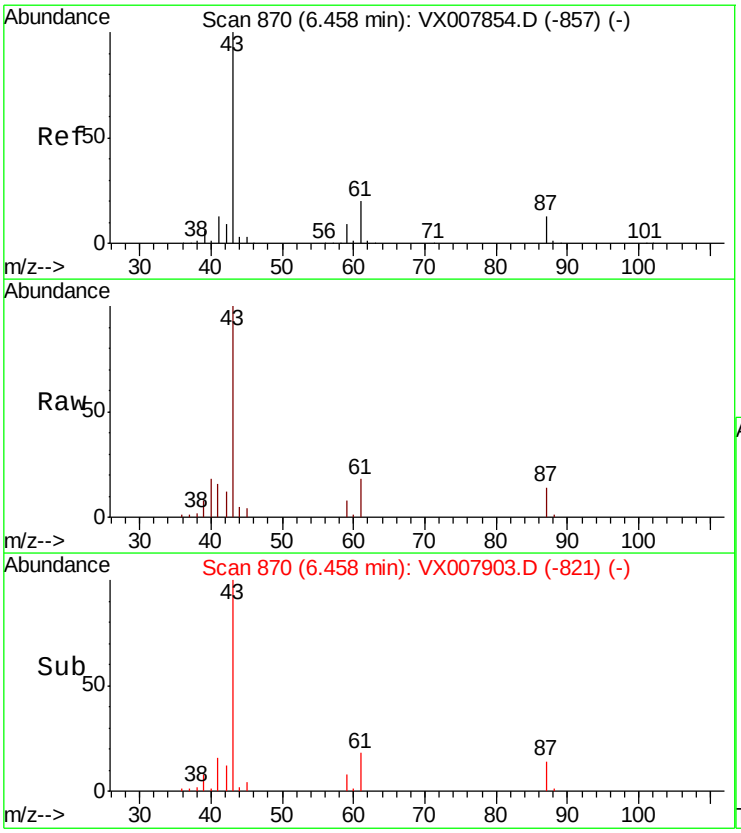

#41
Methacrylonitrile
Concen: 0.317 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.10 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 41 Resp: 831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 37.7 | 41.6 | 62.4# |
| 67 | 0.0 | 55.8 | 83.6# |
| 52 | 0.0 | 21.7 | 32.5# |

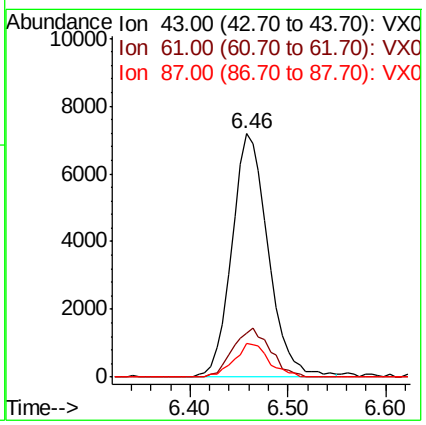


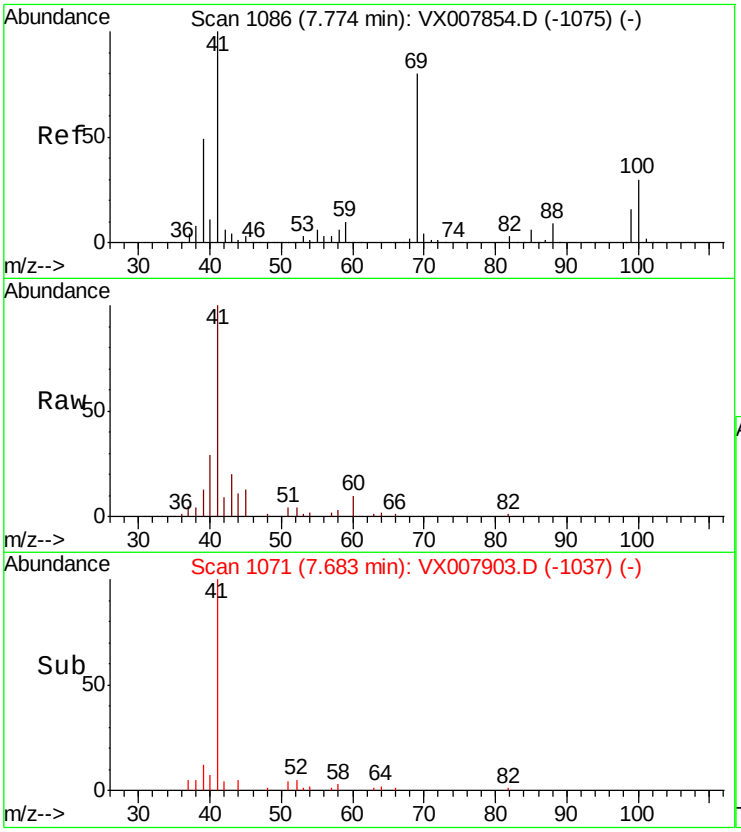




#43
Isopropyl Acetate
Concen: 2.602 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 43 Resp: 18520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.5 | 16.3 | 24.5 |
| 87 | 13.1 | 10.5 | 15.7 |



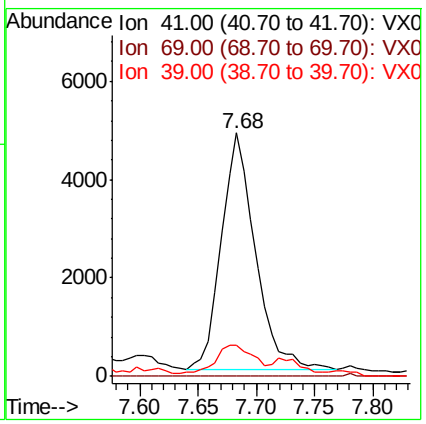


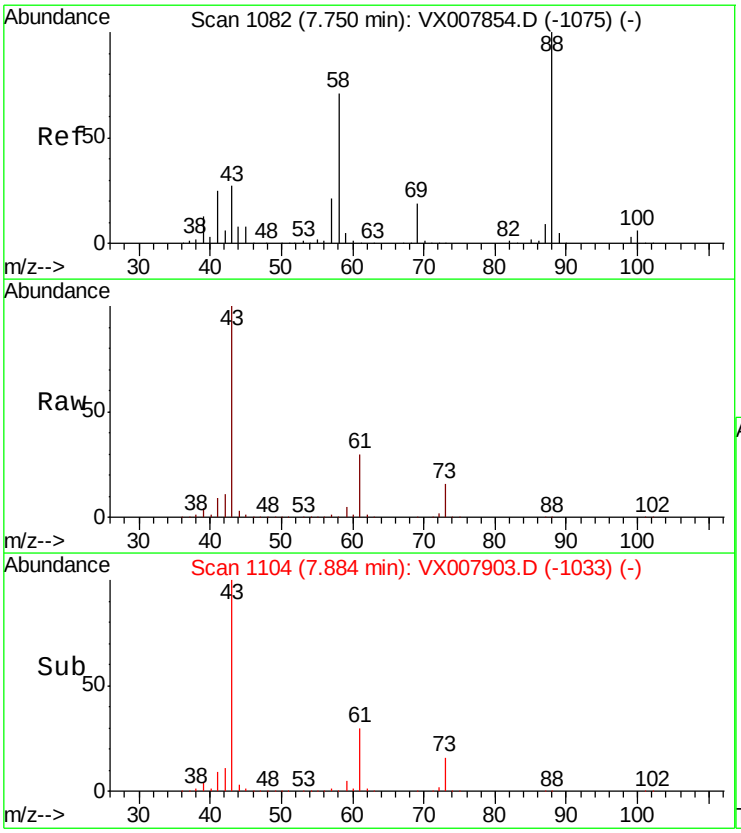

#48
Methyl methacrylate
Concen: 2.616 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 41 Resp: 9791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 65.2 | 97.8# |
| 39 | 0.0 | 39.4 | 59.2# |

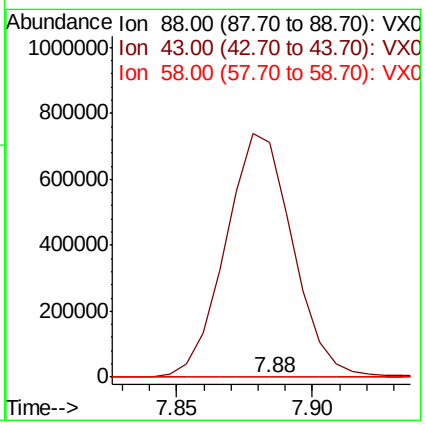


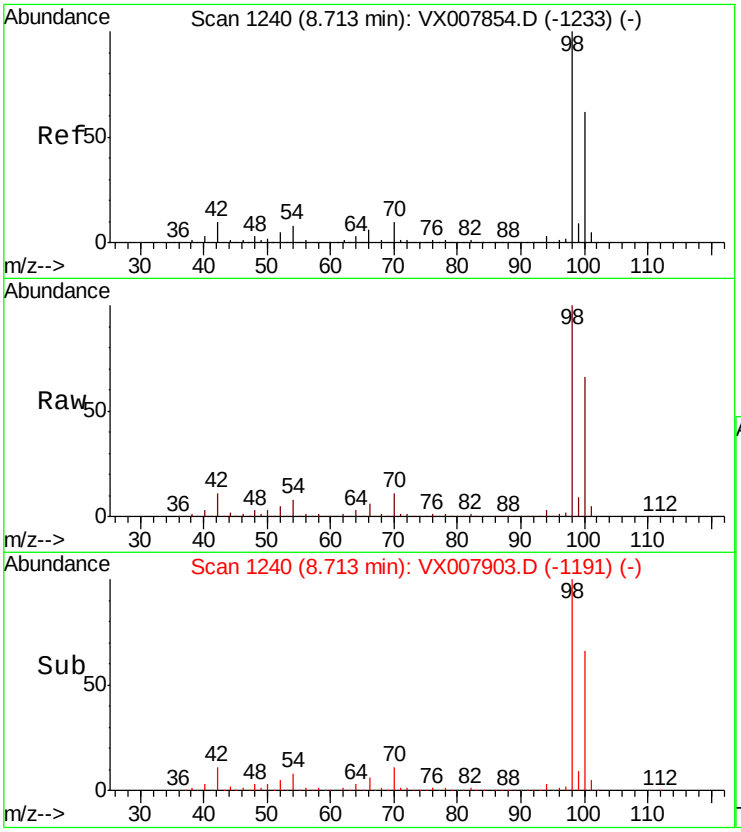




#49
1,4-Dioxane
Concen: 3.057 ug/l
RT: 7.88 min Scan# 1104
Delta R.T. 0.13 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 88 Resp: 235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 540846.4 | 25.1 | 37.7# |
| 58 | 2141.3 | 57.8 | 86.6# |



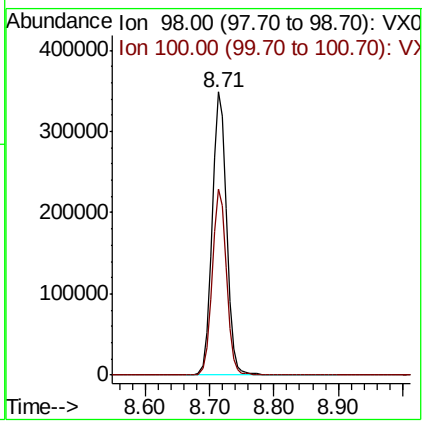


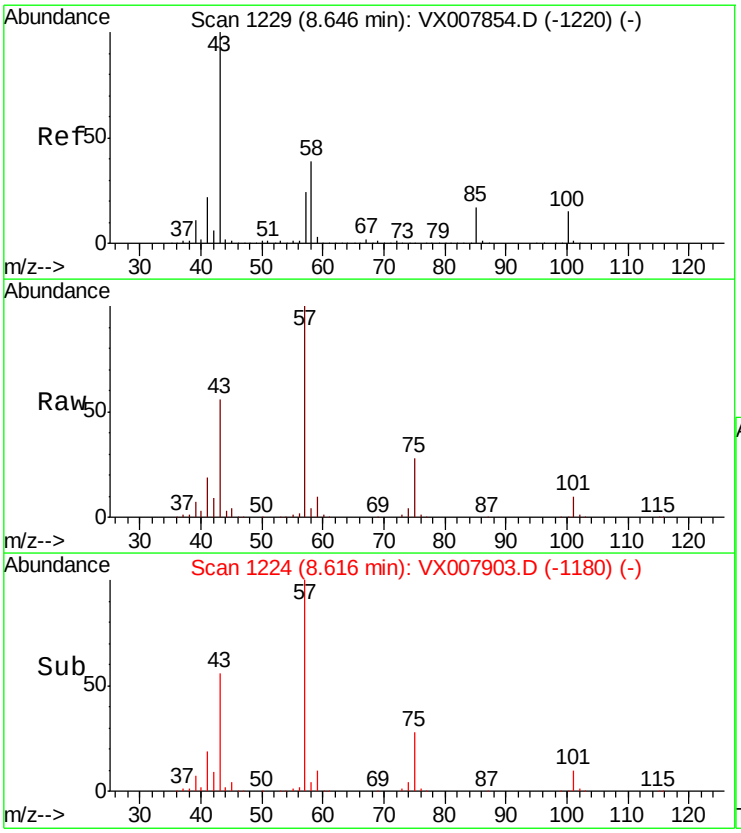

#50
Toluene-d8
Concen: 52.431 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 98 Resp: 551313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 51.7 | 77.5 |

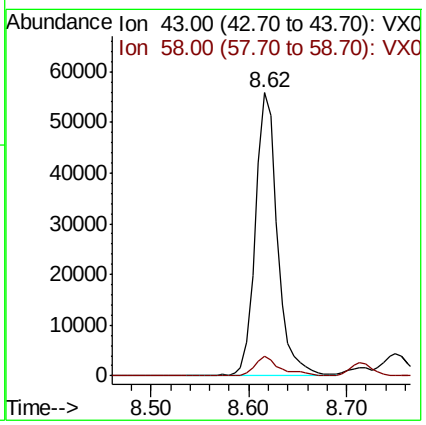


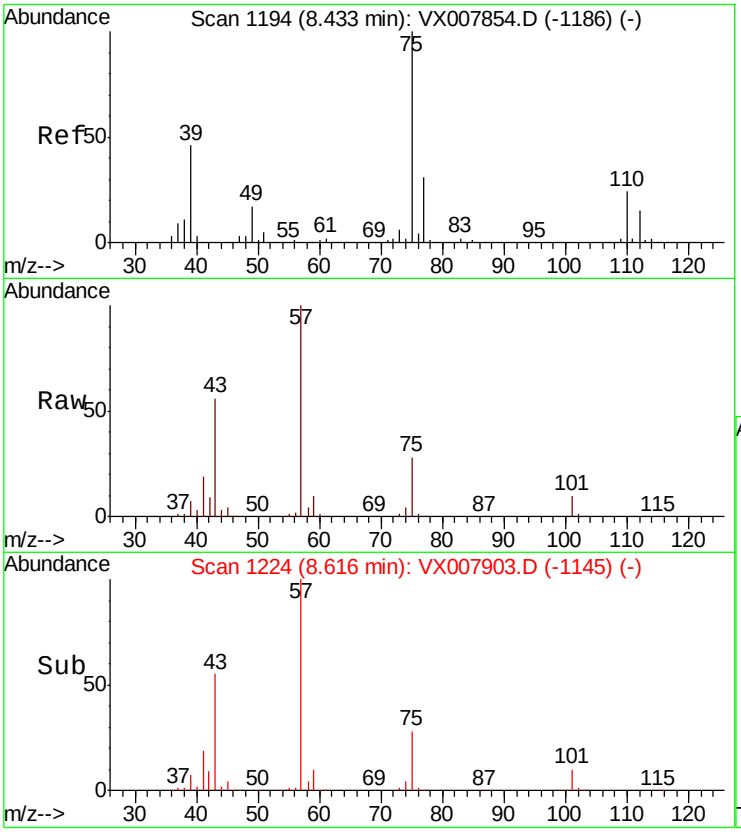




#51
4-Methyl-2-Pentanone
Concen: 19.003 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 43 Resp: 86987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 8.1 | 31.3 | 46.9# |



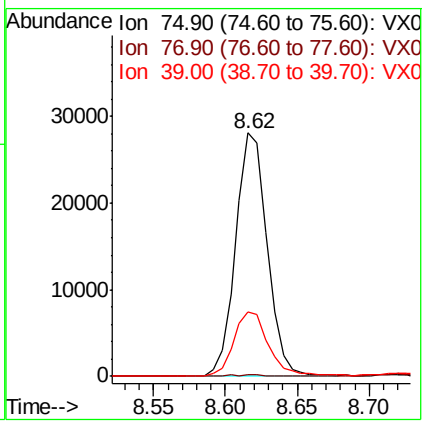


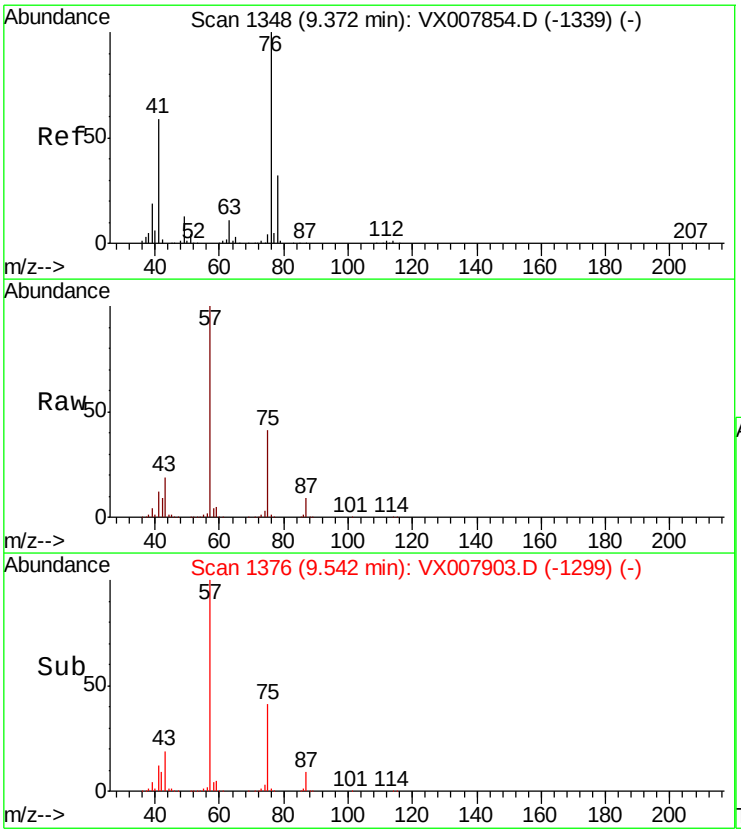

#54
cis-1,3-Dichloropropene
Concen: 9.481 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 75 Resp: 42730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.6 | 25.0 | 37.6# |
| 39 | 26.2 | 36.6 | 54.8# |

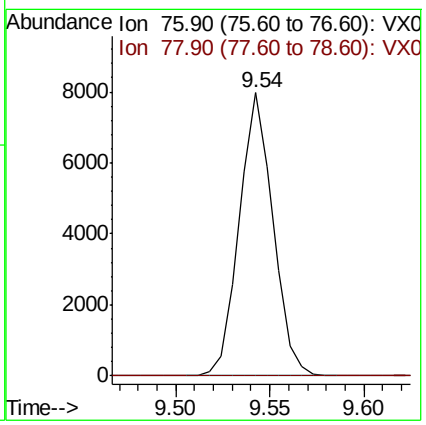


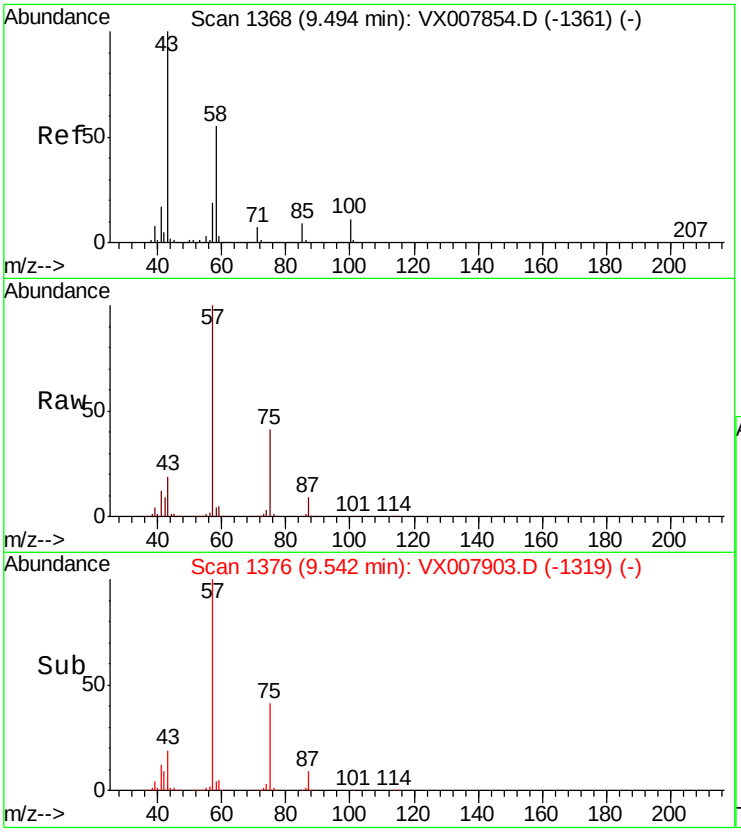




#57
1,3-Dichloropropane
Concen: 1.973 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.17 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 76 Resp: 9881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.5 | 38.3# |



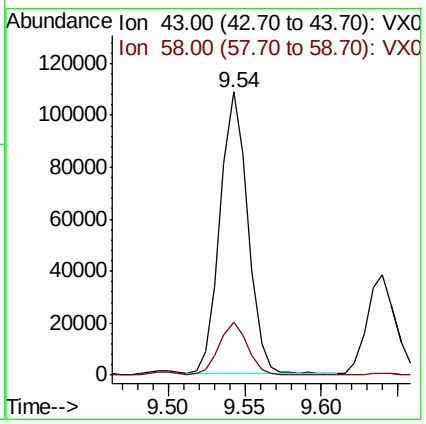


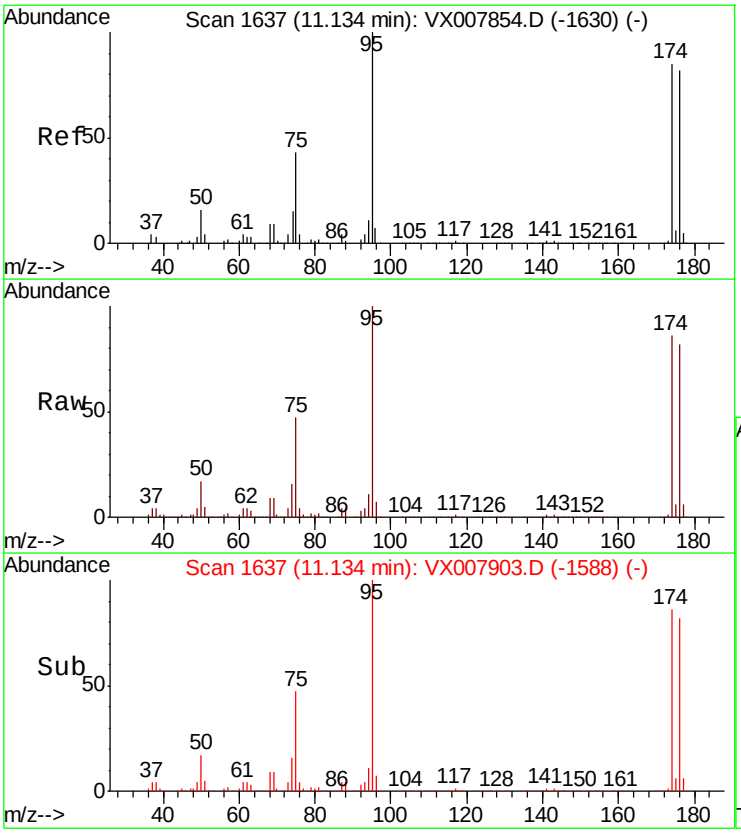

#59
2-Hexanone
Concen: 38.598 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 43 Resp: 137175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.4 | 27.6 | 82.7# |

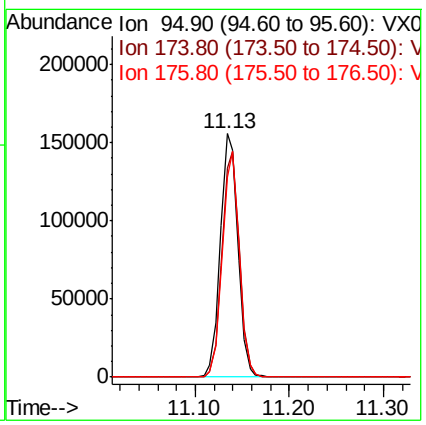


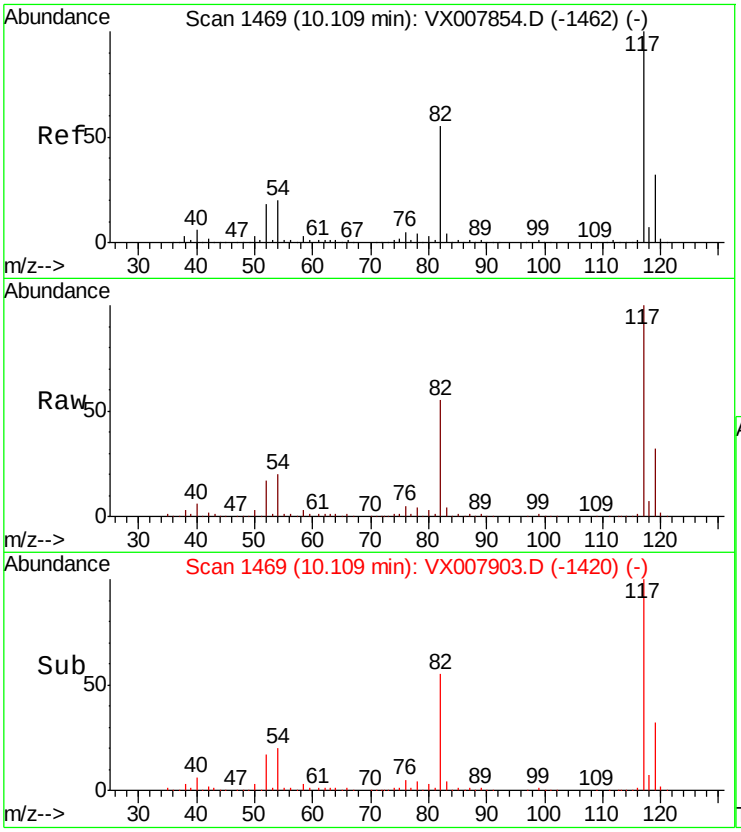




#62
4-Bromofluorobenzene
Concen: 54.510 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion: 95 Resp: 200958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.0 | 0.0 | 182.8 |
| 176 | 89.3 | 0.0 | 178.0 |



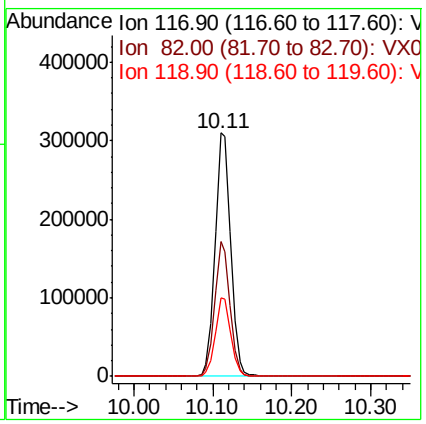


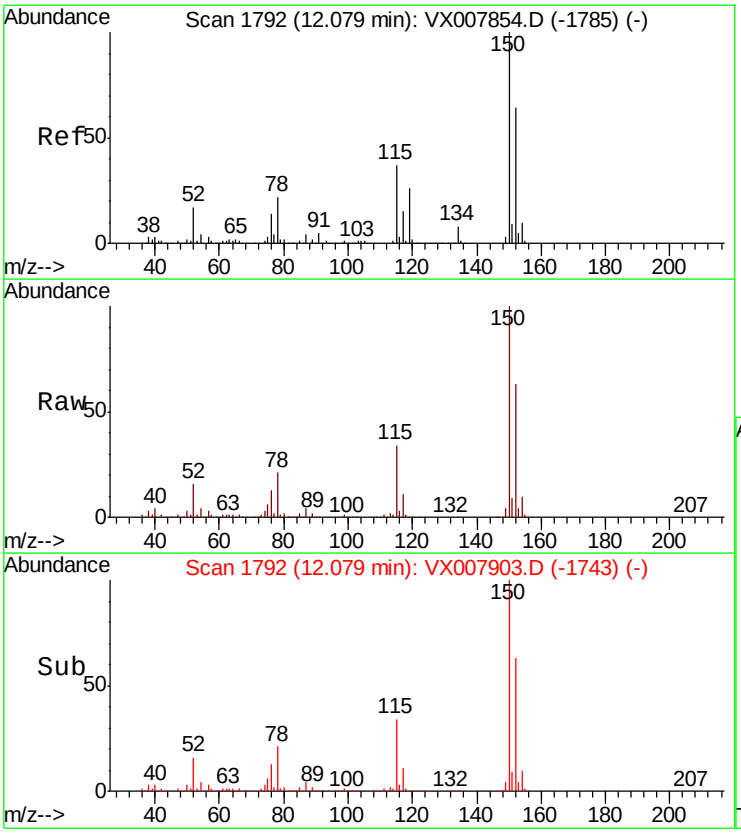

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :** MSVOA_X
**ClientSampleId :** PB117653TB

Tgt Ion:117 Resp: 429743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 44.3 | 66.5 |
| 119 | 32.0 | 25.3 | 37.9 |

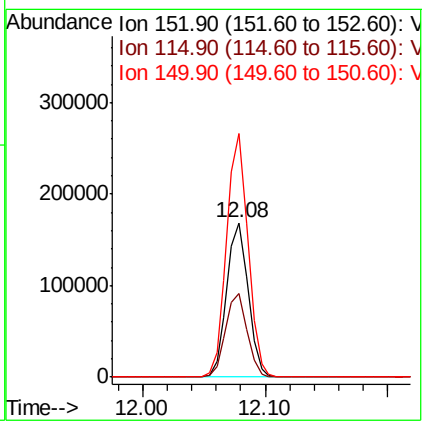


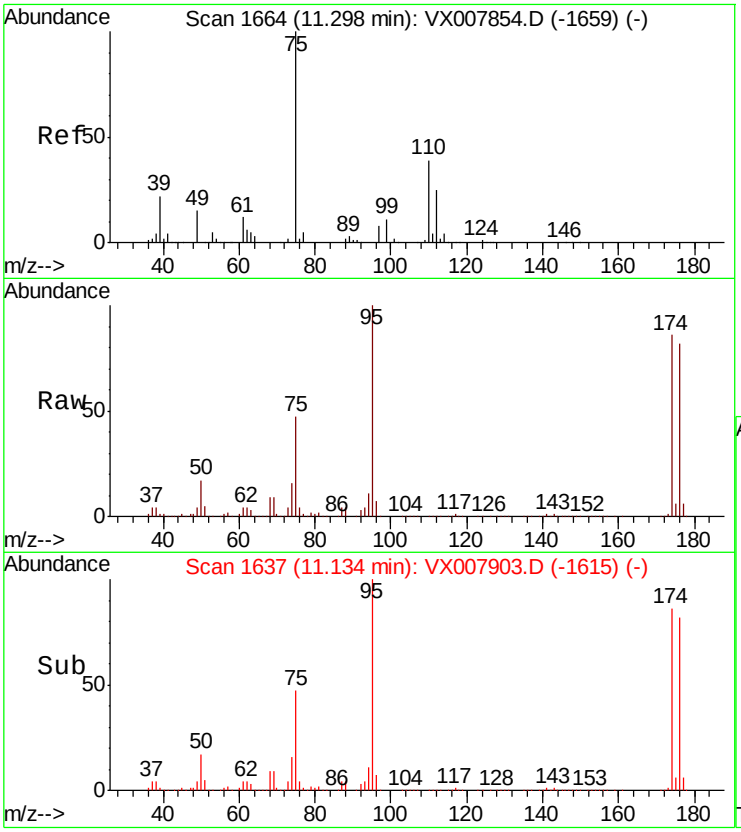




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion:152 Resp: 204554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.7 | 38.6 | 115.7 |
| 150 | 157.4 | 0.0 | 348.4 |



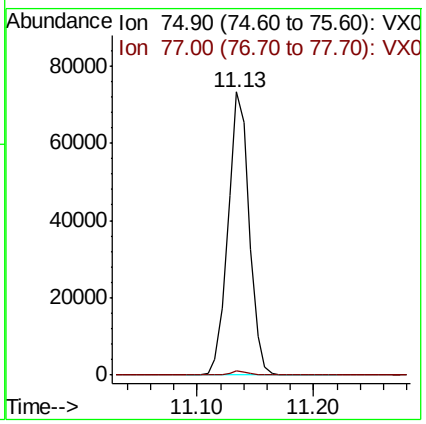


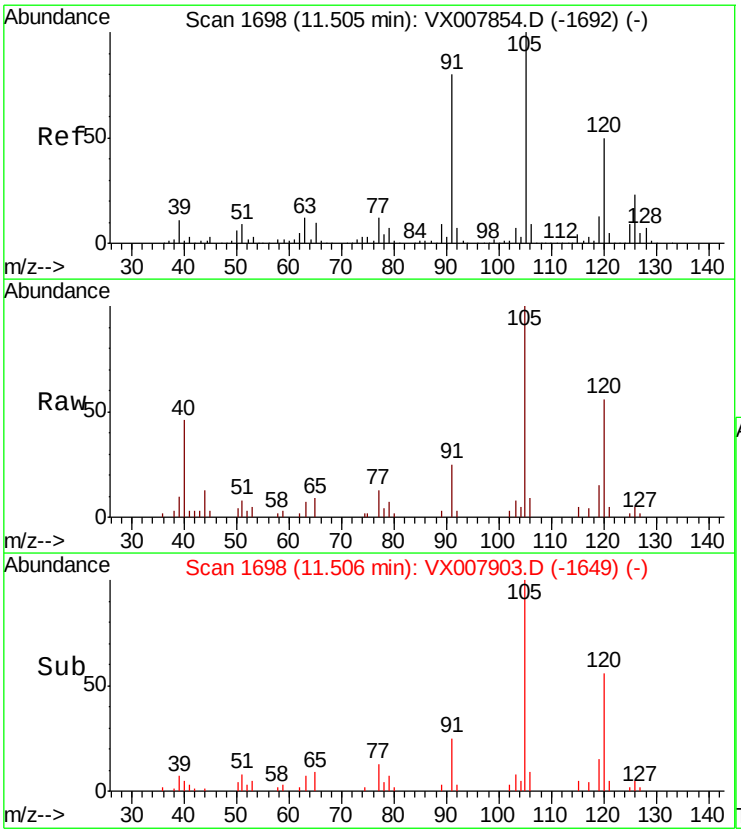

#76
1,2,3-Trichloropropane
Concen: 21.612 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :** MSVOA_X
**ClientSampleId :** PB117653TB

Tgt Ion: 75 Resp: 92767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 18.9 | 56.7# |

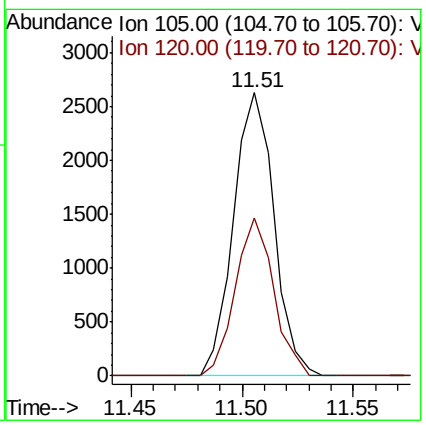


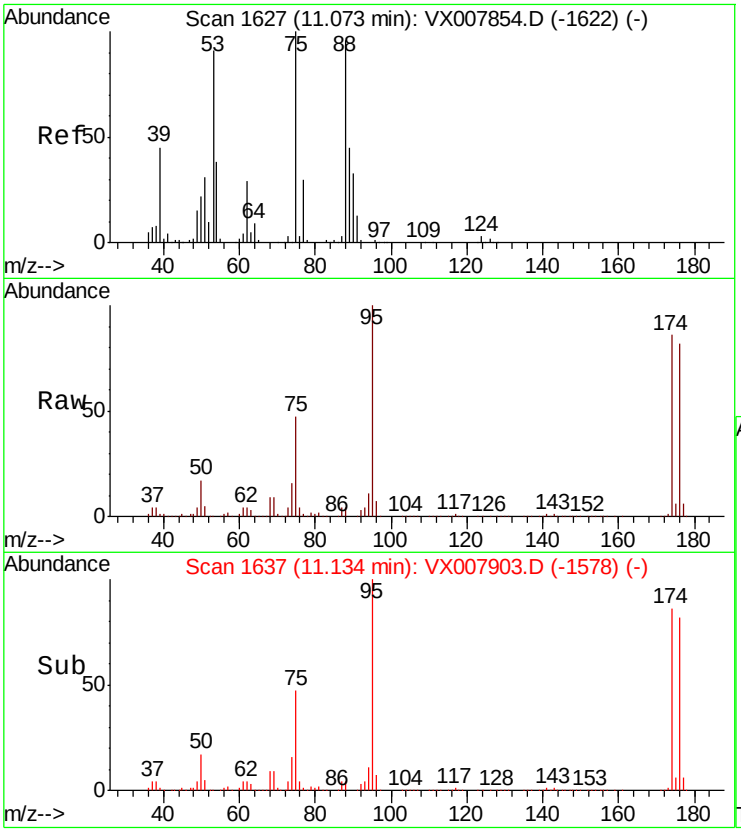




#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

Tgt Ion:105 Resp: 3341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 53.0 | 24.9 | 74.6 |






#81
trans-1,4-Dichloro-2-butene
Concen: 69.082 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007903.D
Acq: 08 Mar 2019 00:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB117653TB

Tgt Ion: 75 Resp: 92767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 76.1 | 114.1# |
| 89 | 0.0 | 36.3 | 54.5# |