Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005118.D
Acq On : 08 Oct 2018 11:07
Operator : JC/MD
Sample : J5304-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** CA-AQIDW-20181004

Quant Time: Oct 09 05:51:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 198444 | 50.00 ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 312189 | 50.00 ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 307586 | 50.00 ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 173771 | 50.00 ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 147580 | 52.06 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.12% | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 125556 | 47.45 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.90% | | |
| 50) Toluene-d8 | 8.72 | 98 | 448363 | 50.97 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.94% | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 163013 | 51.44 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.88% | | |
| **Target Compounds** | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 817 | 0.447 ug/l # | 70 |
| 6) Chloroethane | 1.73 | 64 | 180 | Below Cal # | 22 |
| 11) Tert butyl alcohol | 3.02 | 59 | 5275 | 6.655 ug/l # | 73 |
| 14) Allyl chloride | 2.62 | 41 | 9499 | 2.025 ug/l # | 64 |
| 16) Acetone | 2.45 | 43 | 2789 | 1.685 ug/l | 93 |
| 18) Methyl Acetate | 2.78 | 43 | 1051 | 0.251 ug/l # | 77 |
| 20) Methylene Chloride | 2.85 | 84 | 169 | Below Cal # | 53 |
| 26) 2,2-Dichloropropane | 4.78 | 77 | 872 | 0.266 ug/l # | 50 |
| 29) Tetrahydrofuran | 5.17 | 42 | 724 | 0.477 ug/l # | 54 |
| 31) Cyclohexane | 5.66 | 56 | 3797 | 1.053 ug/l # | 13 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 13988 | 3.875 ug/l # | 45 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 18309 | 4.825 ug/l # | 18 |
| 67) Ethyl Benzene | 10.26 | 91 | 2715 | 0.217 ug/l | 97 |
| 68) m/p-Xylenes | 10.36 | 106 | 1201 | 0.245 ug/l | 82 |
| 70) Styrene | 10.72 | 104 | 79 | 2.149 ug/l # | 1 |
| 74) N-amyl acetate | 10.90 | 43 | 52 | 1.756 ug/l # | 43 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 81256 | 20.862 ug/l # | 35 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 447 | Below Cal | 84 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 81256 | 56.626 ug/l # | 10 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 1723 | Below Cal | 99 |
| 95) Naphthalene | 13.83 | 128 | 2920 | 0.919 ug/l | 98 |

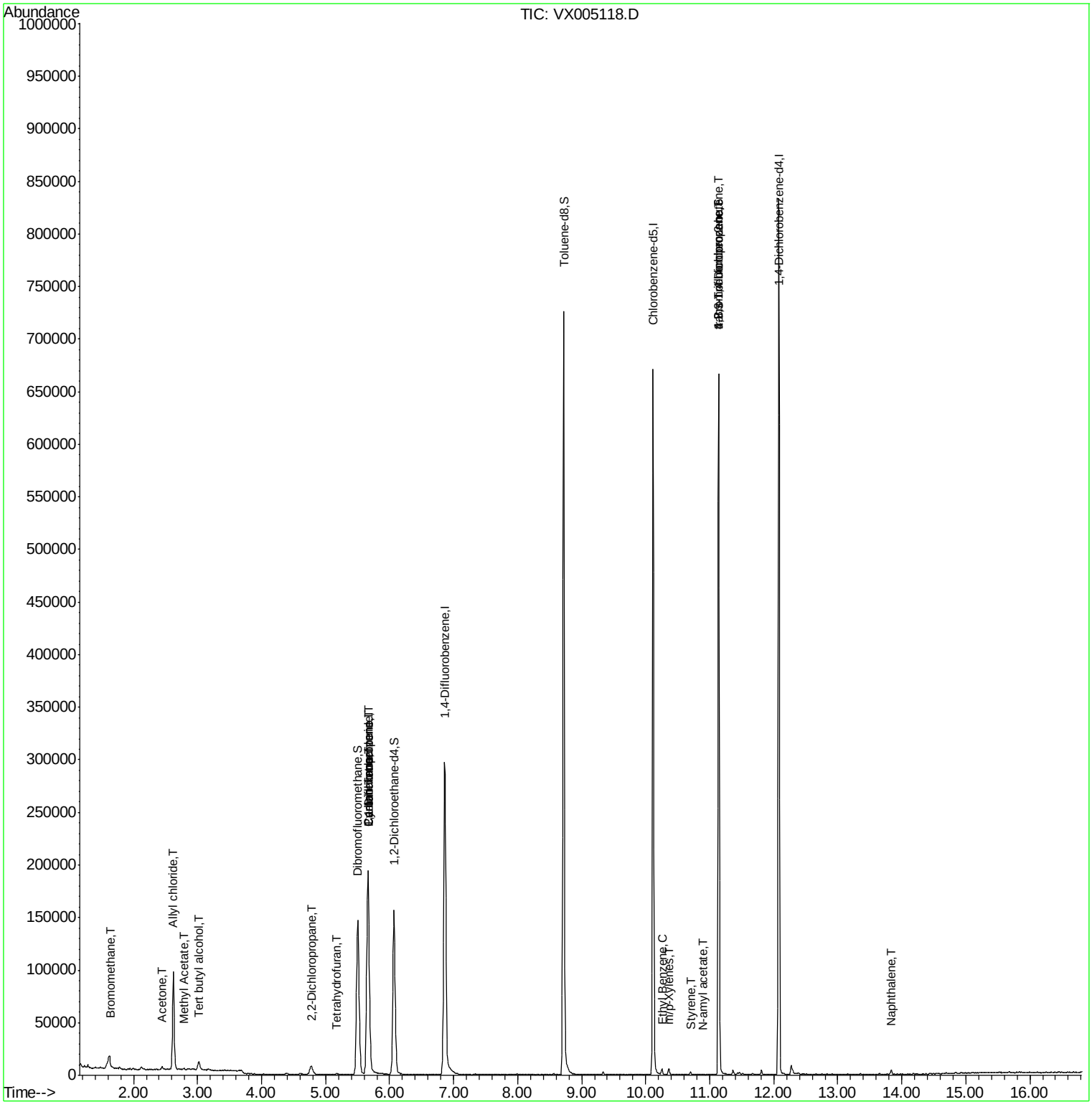
(#) = qualifier out of range (m) = manual integration (+) = signals summed

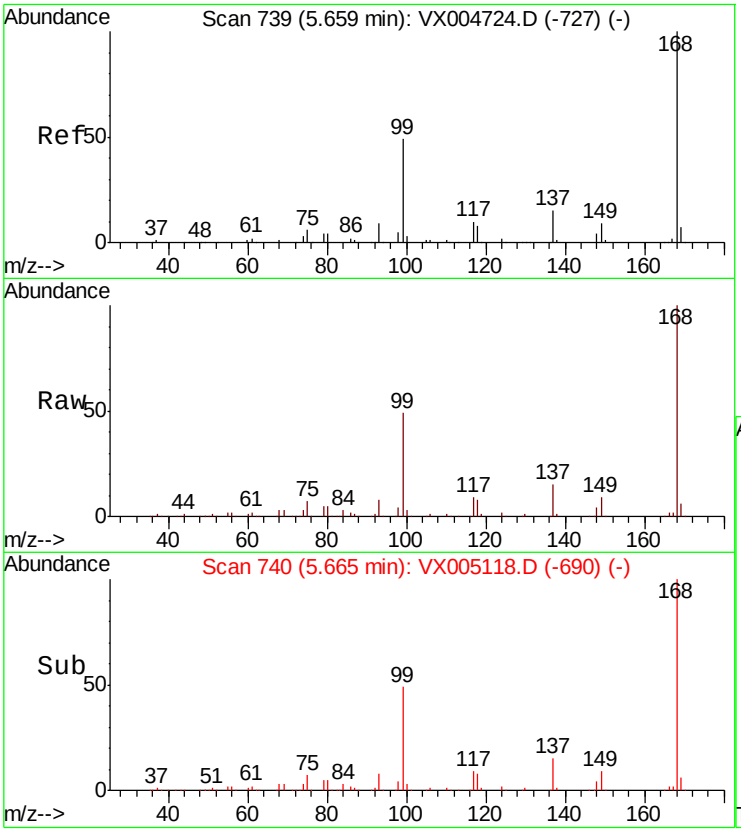
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005118.D
Acq On : 08 Oct 2018 11:07
Operator : JC/MD
Sample : J5304-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Quant Time: Oct 09 05:51:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration



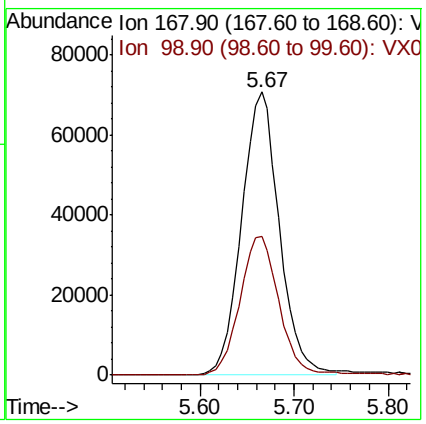


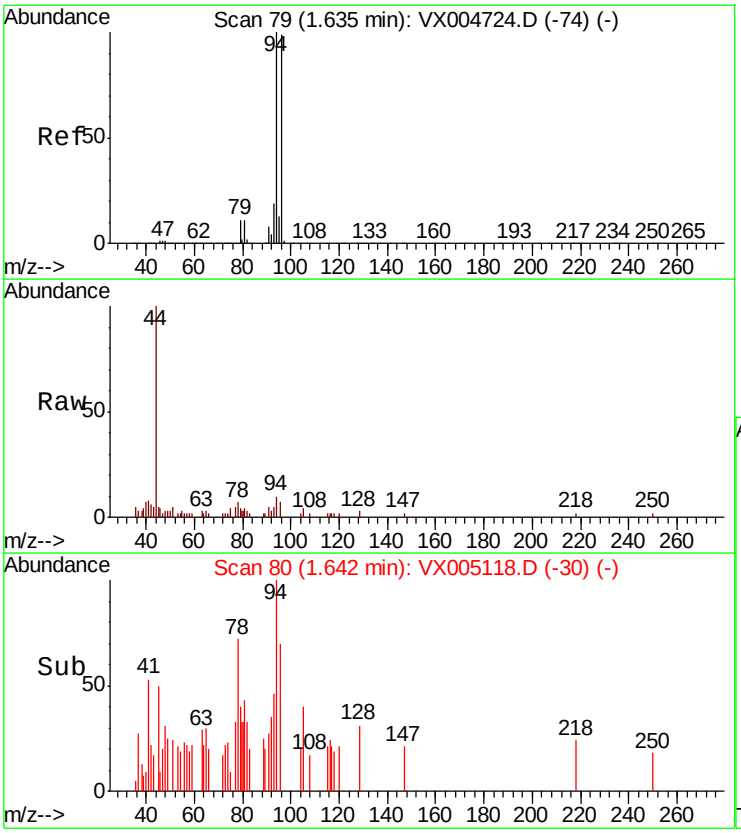

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:168 Resp: 198444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.2 | 39.3 | 58.9 |

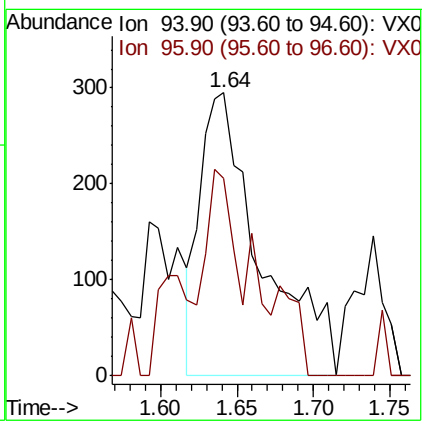


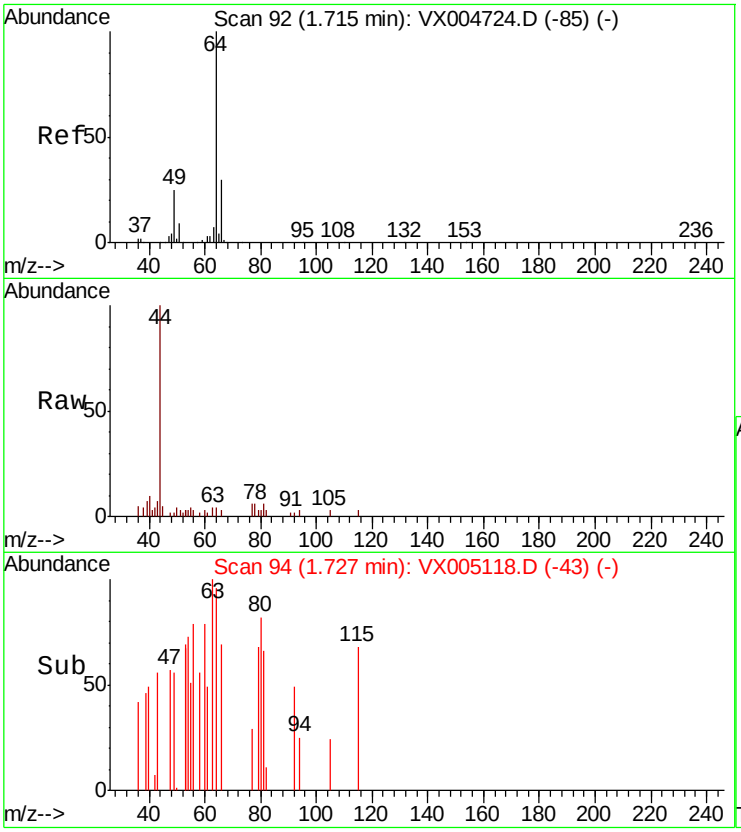




#5
Bromomethane
Concen: 0.447 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 94 Resp: 817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 69.8 | 79.5 | 119.3# |



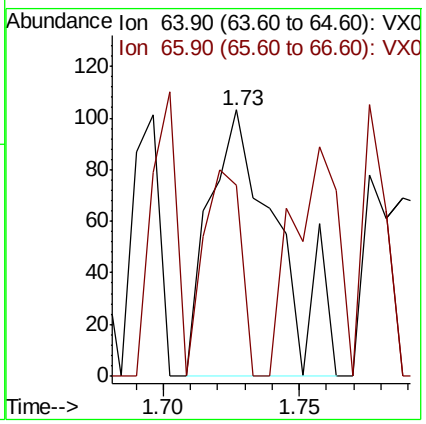


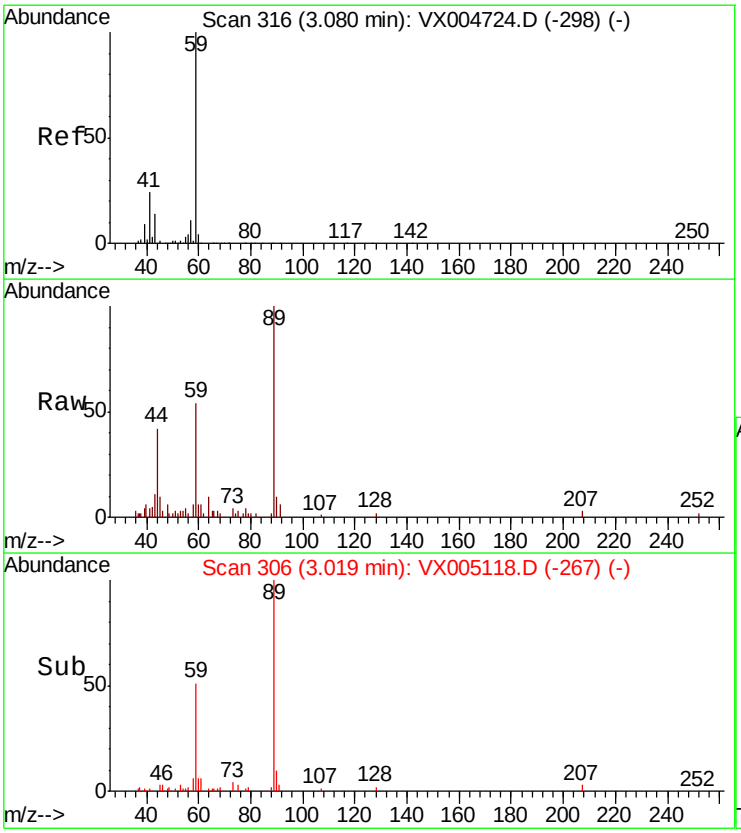

#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 94
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 64 Resp: 180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 71.8 | 23.8 | 35.6# |

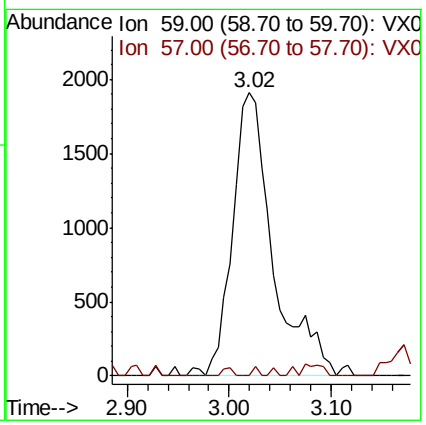


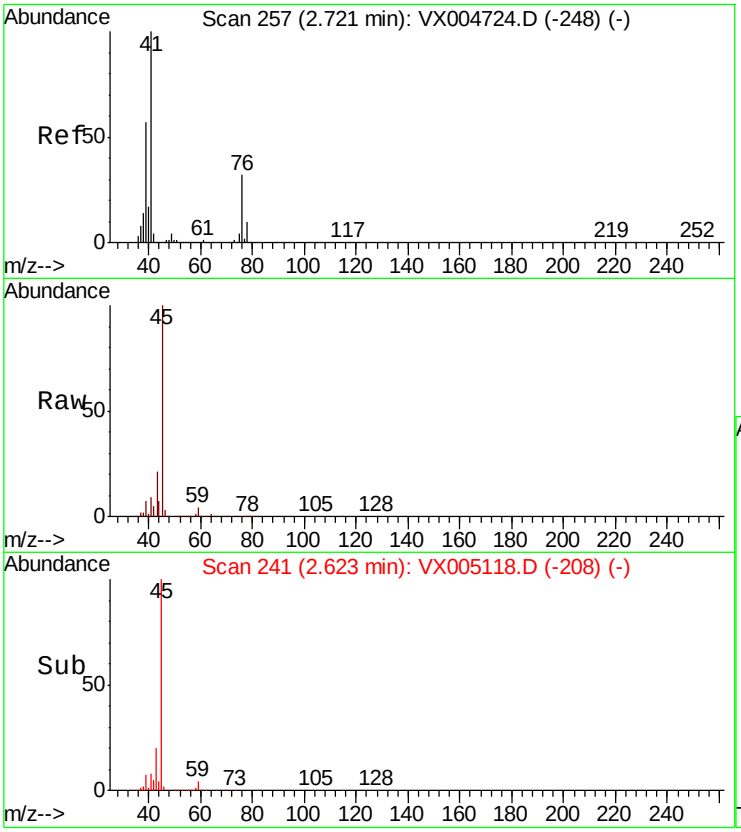




#11
Tert butyl alcohol
Concen: 6.655 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 59 Resp: 5275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.4 | 8.6 | 12.8# |



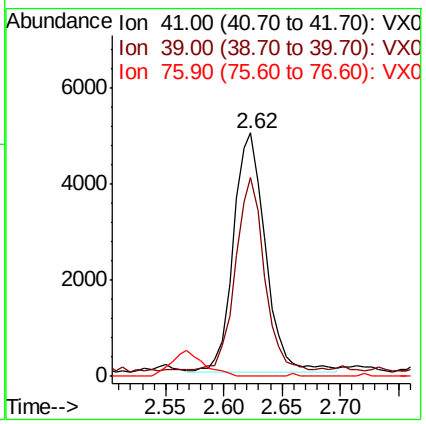


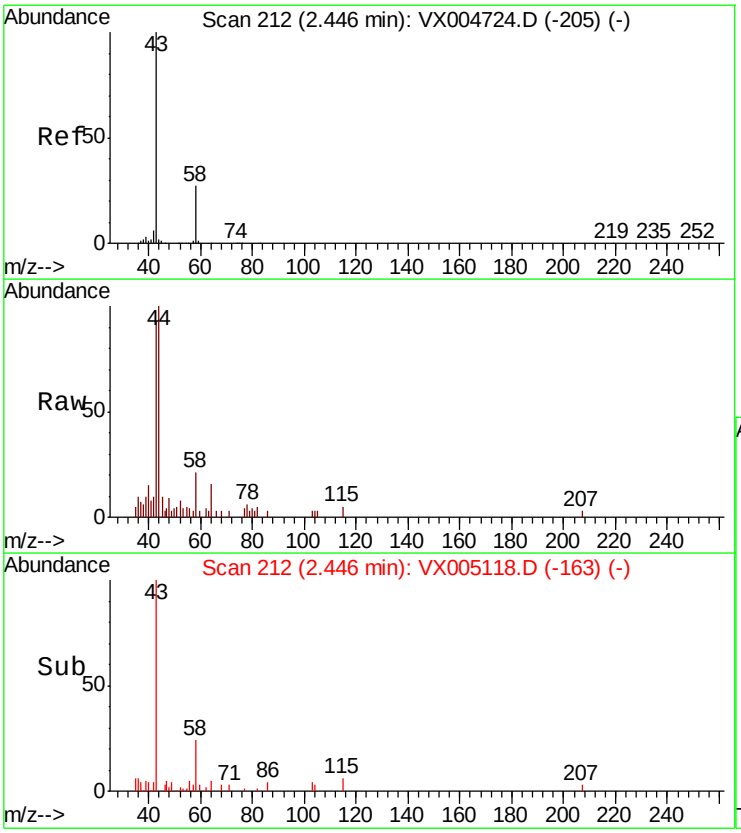

#14
Allyl chloride
Concen: 2.025 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 41 Resp: 9499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 72.8 | 44.1 | 66.1# |
| 76 | 0.0 | 25.0 | 37.4# |

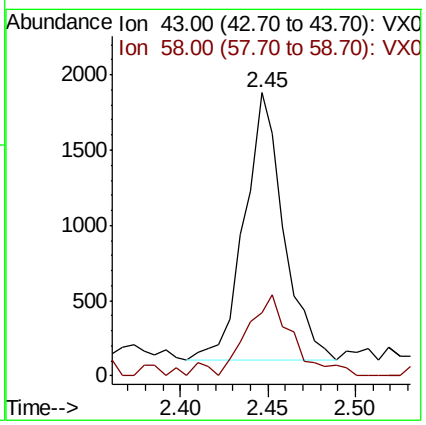


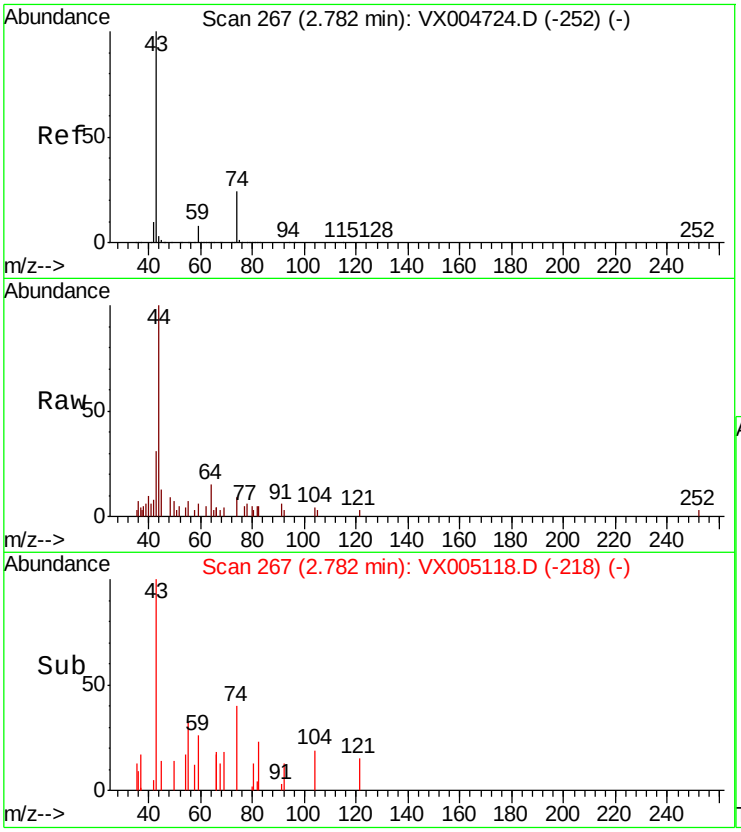




#16
Acetone
Concen: 1.685 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 43 Resp: 2789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.7 | 21.8 | 32.6 |



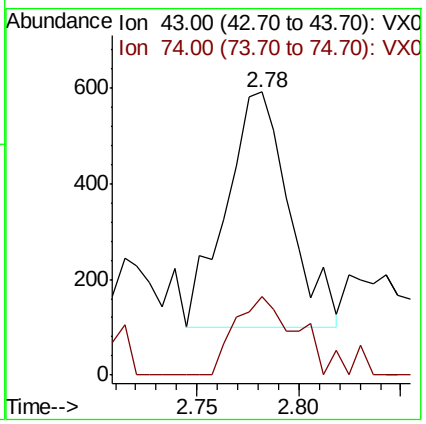


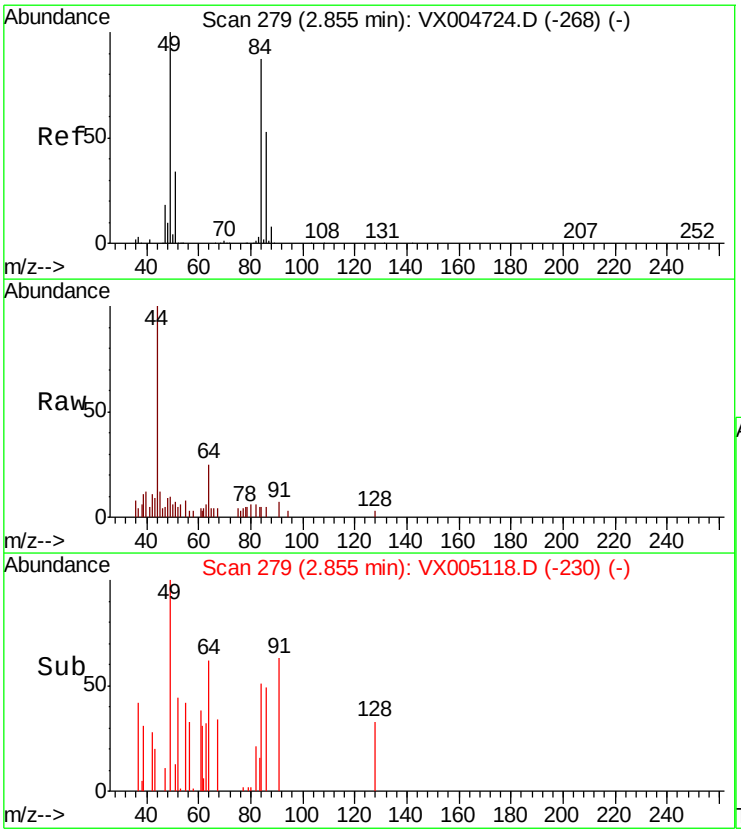

#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :** MSVOA_X
**ClientSampleId :** CA-AQIDW-20181004

Tgt Ion: 43 Resp: 1051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 33.5 | 17.8 | 26.8# |

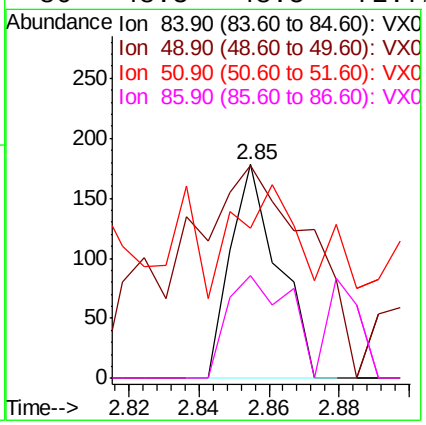


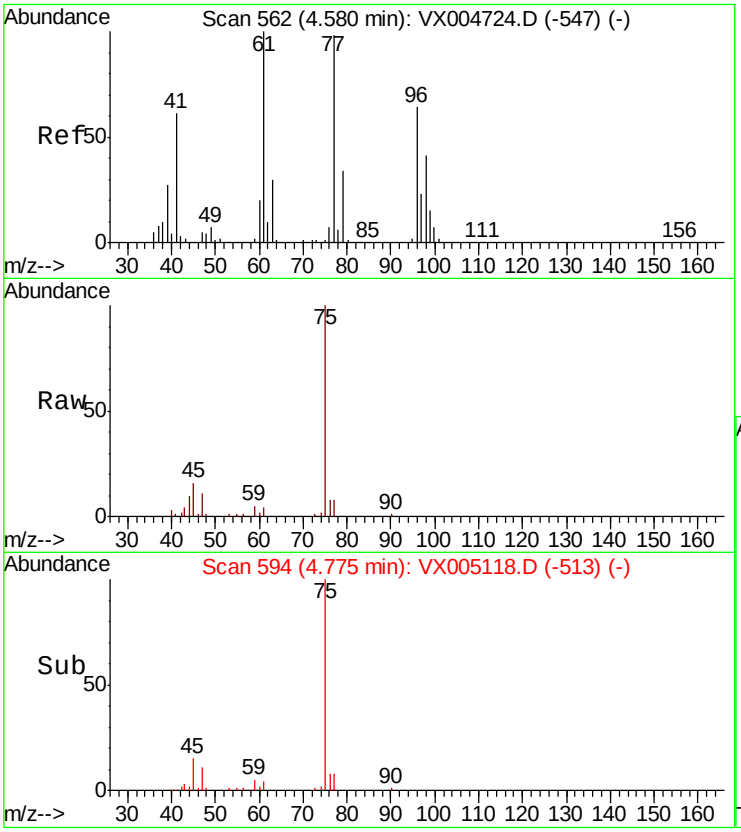




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 84 Resp: 169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 53.4 | 92.3 | 138.5# |
| 51 | 0.0 | 31.8 | 47.6# |
| 86 | 48.3 | 48.5 | 72.7# |



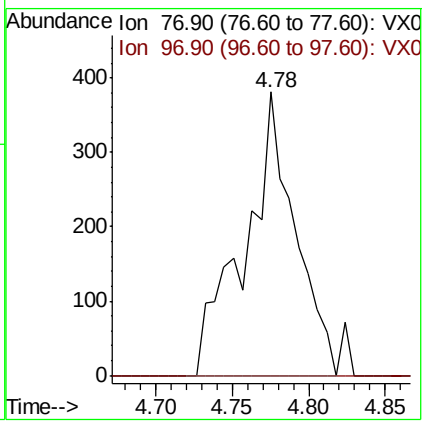


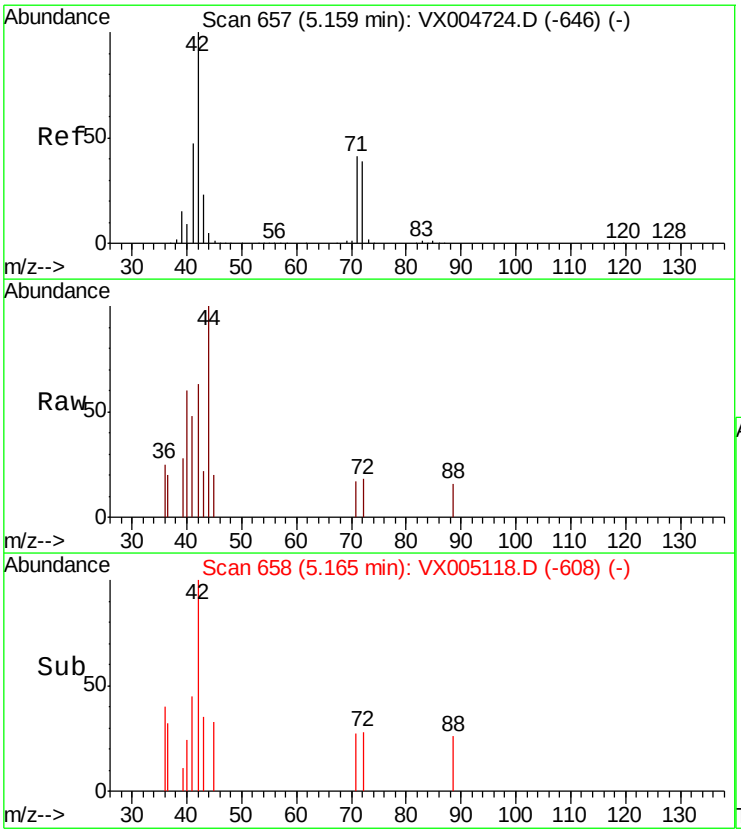

#26
2,2-Dichloropropane
Concen: 0.266 ug/l
RT: 4.78 min Scan# 594
Delta R.T. 0.20 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 77 Resp: 872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 12.6 | 37.8# |

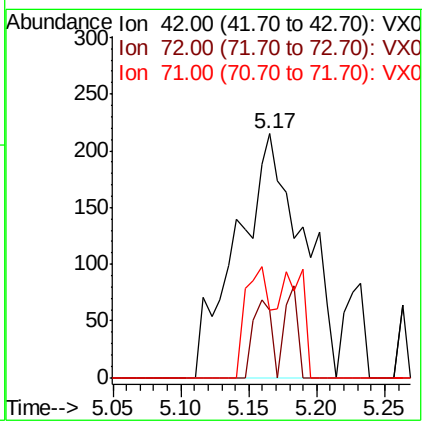


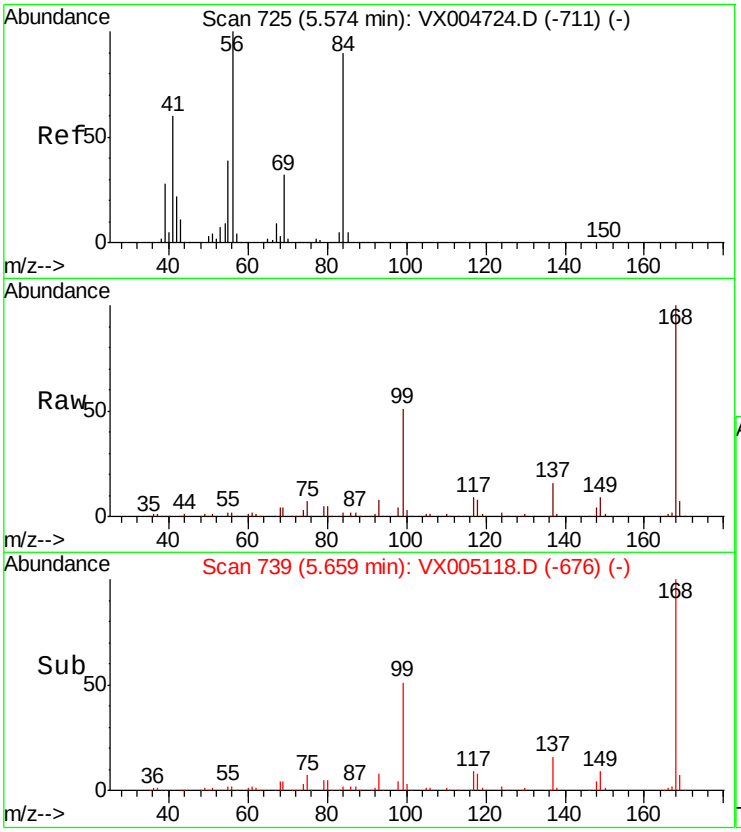




#29
Tetrahydrofuran
Concen: 0.477 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 42 Resp: 724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 9.1 | 33.7 | 50.5# |
| 71 | 16.3 | 32.2 | 48.4# |



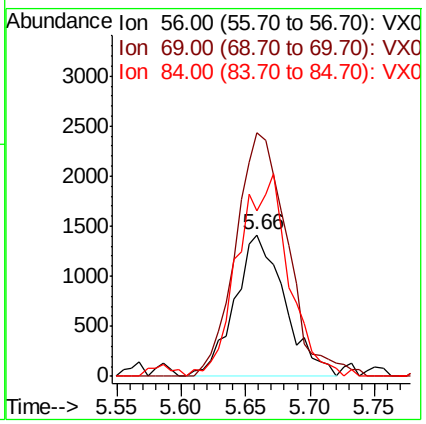


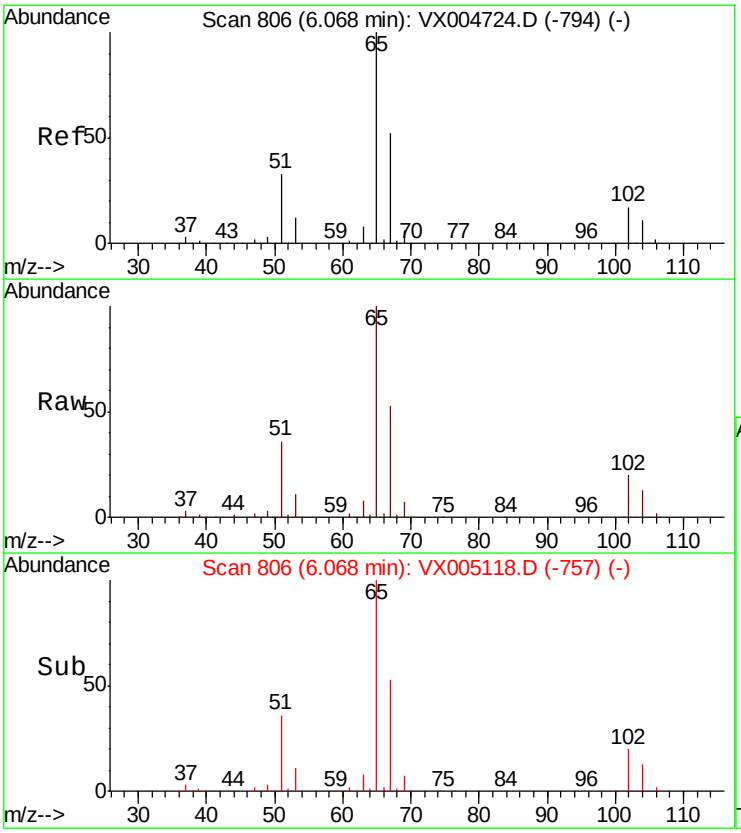

#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 56 Resp: 3797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 172.1 | 25.9 | 38.9# |
| 84 | 116.8 | 71.9 | 107.9# |

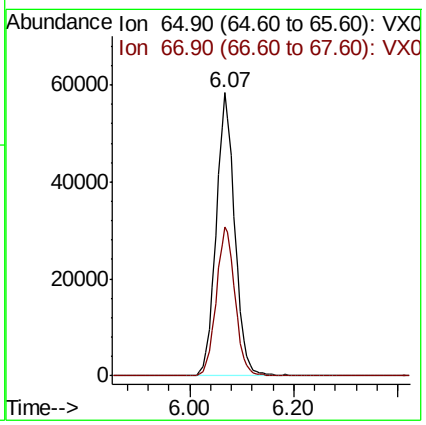


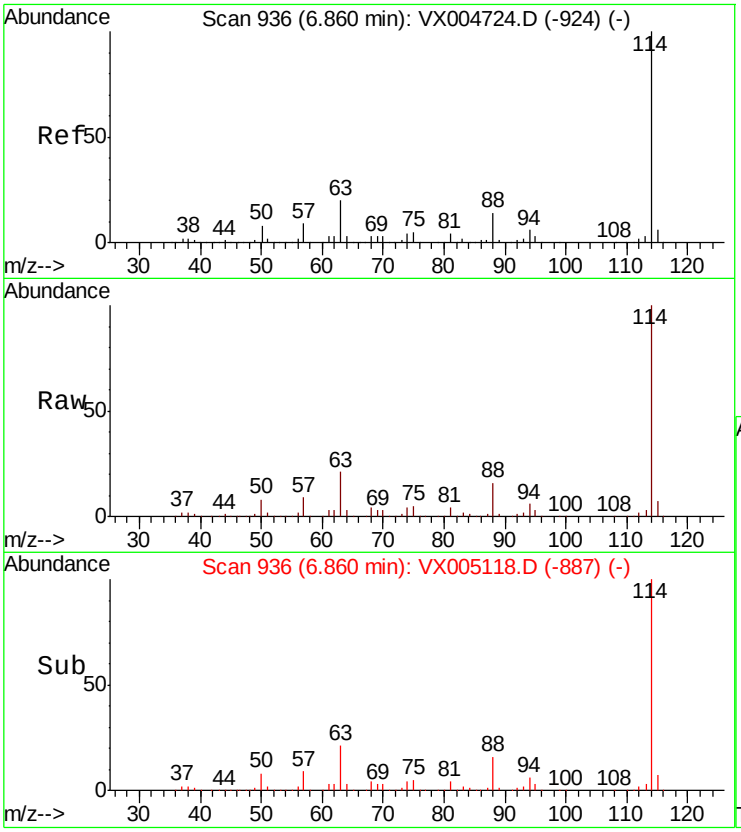




#33
1,2-Dichloroethane-d4
Concen: 52.061 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 65 Resp: 147580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 107.4 |



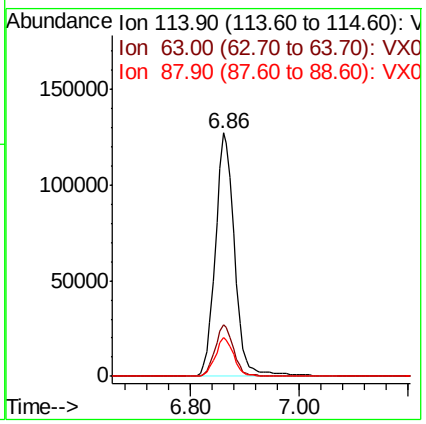


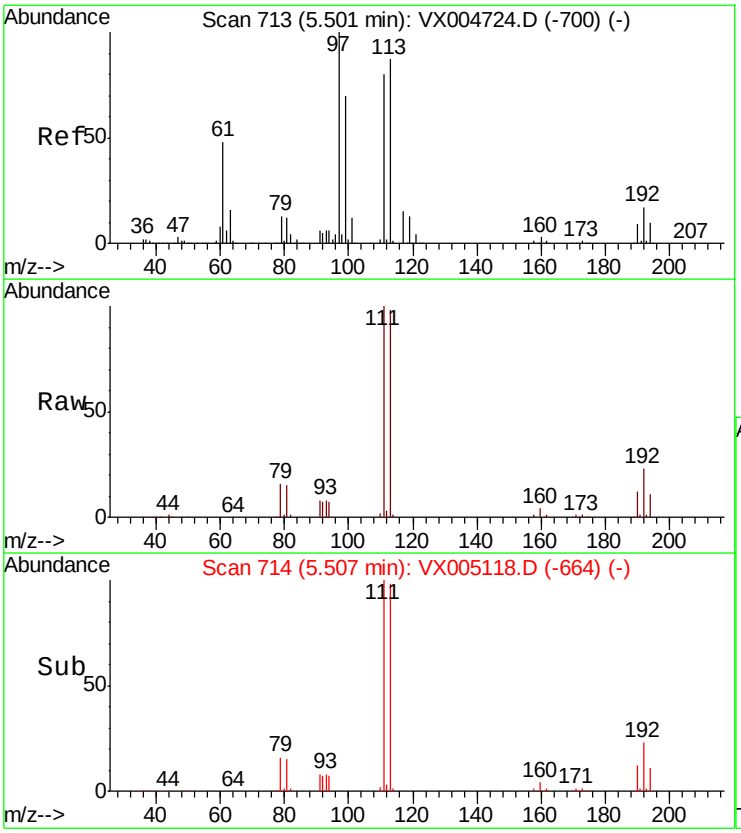

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:114 Resp: 312189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 39.8 |
| 88 | 15.9 | 0.0 | 27.0 |

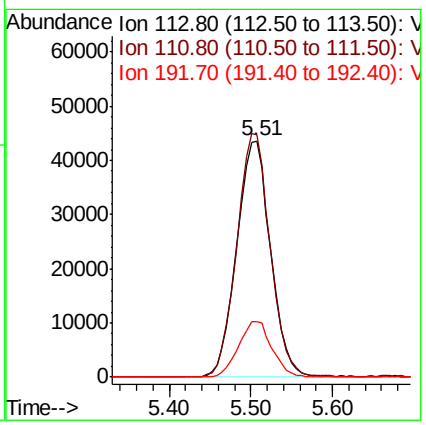


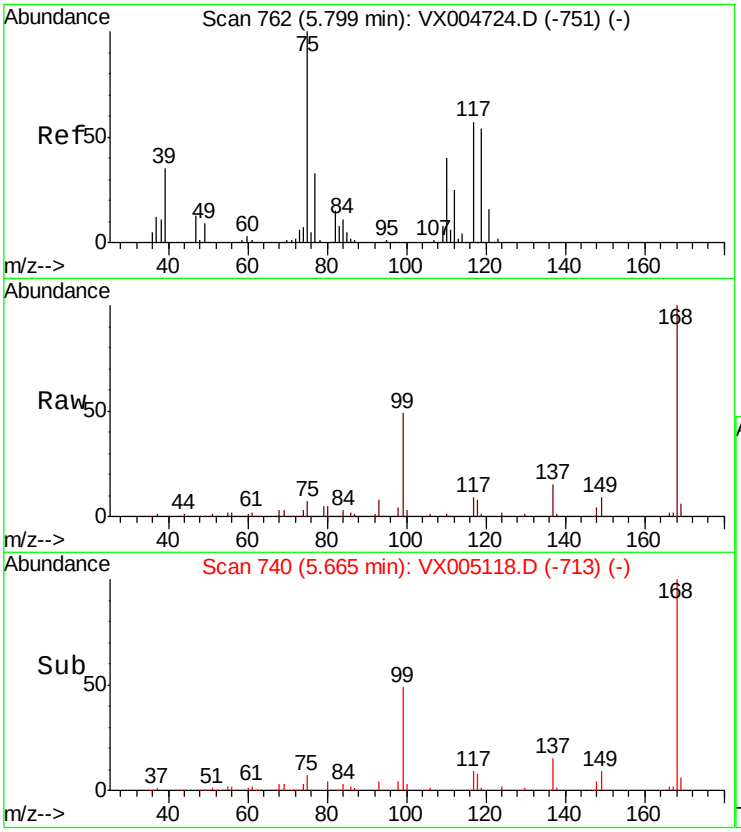




#35
Dibromofluoromethane
Concen: 47.454 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion:113 Resp: 125556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 77.0 | 115.4 |
| 192 | 23.4 | 17.0 | 25.6 |



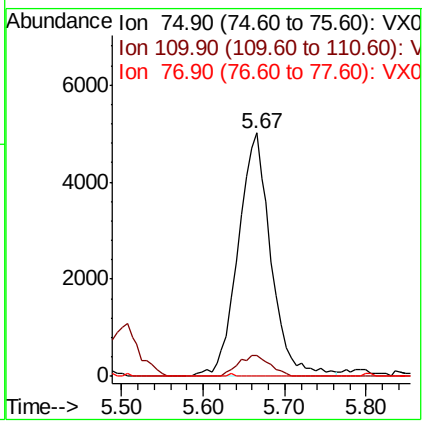


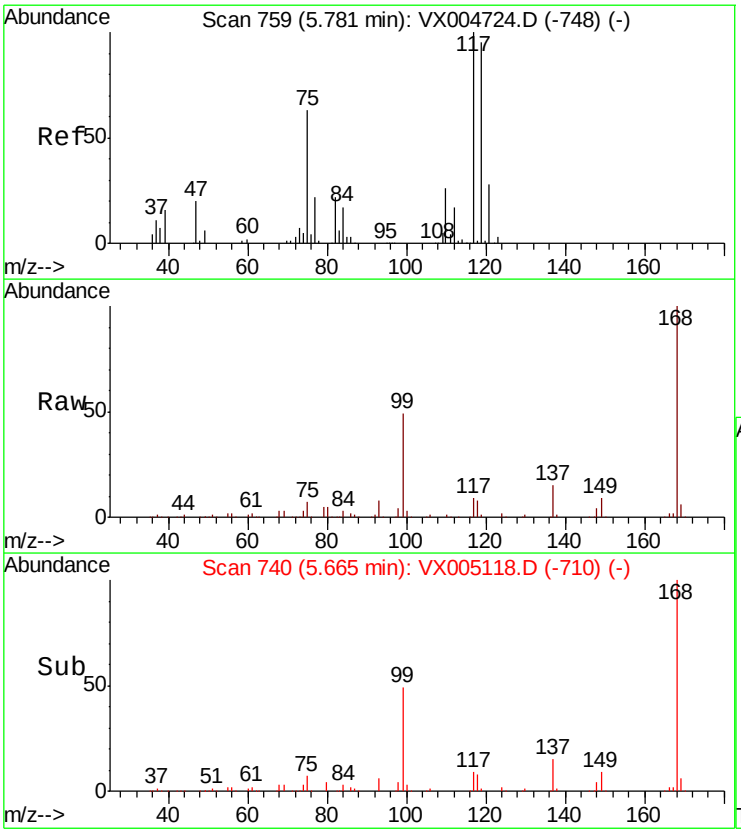

#36
1,1-Dichloropropene
Concen: 3.875 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 75 Resp: 13988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.4 | 20.0 | 59.9# |
| 77 | 0.0 | 27.1 | 40.7# |

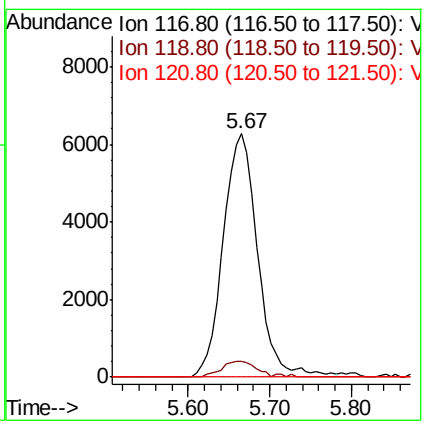


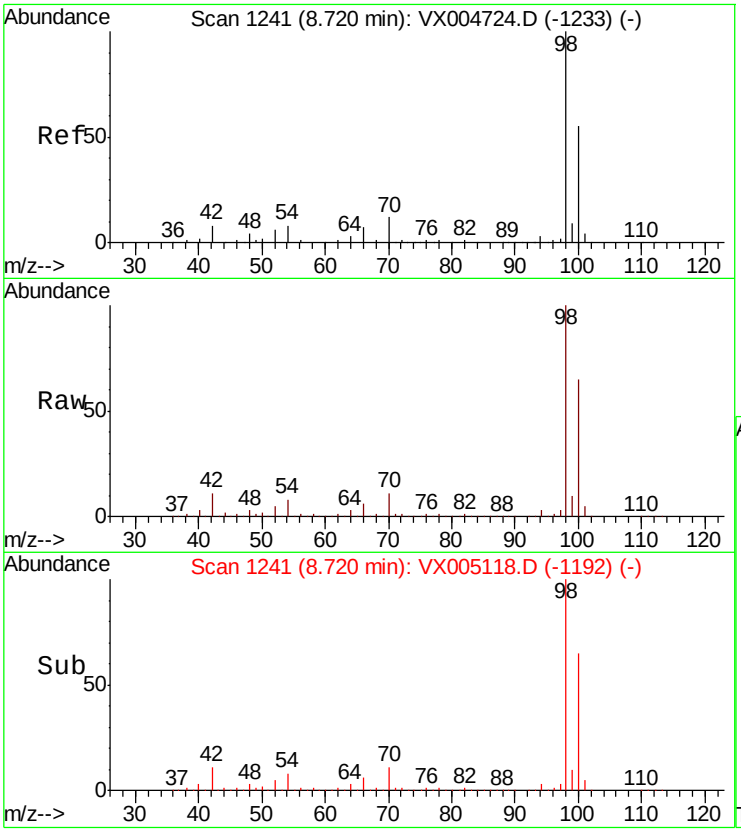




#38
Carbon Tetrachloride
Concen: 4.825 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion:117 Resp: 18309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.4 | 75.2 | 112.8# |
| 121 | 0.0 | 22.5 | 33.7# |



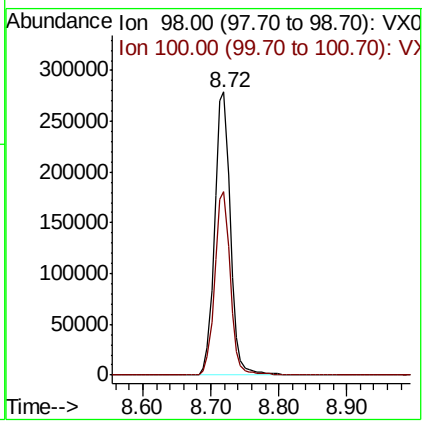


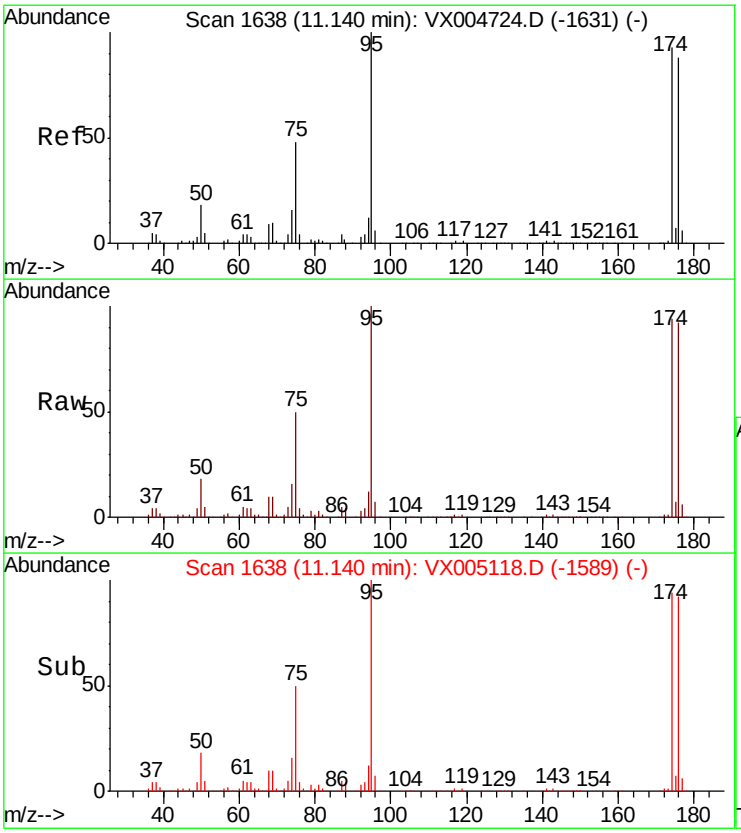

#50
Toluene-d8
Concen: 50.973 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 98 Resp: 448363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.9 | 77.9 |

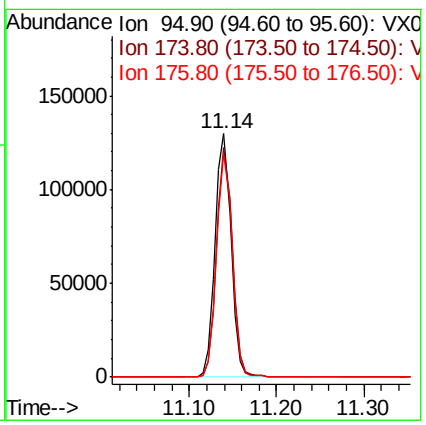


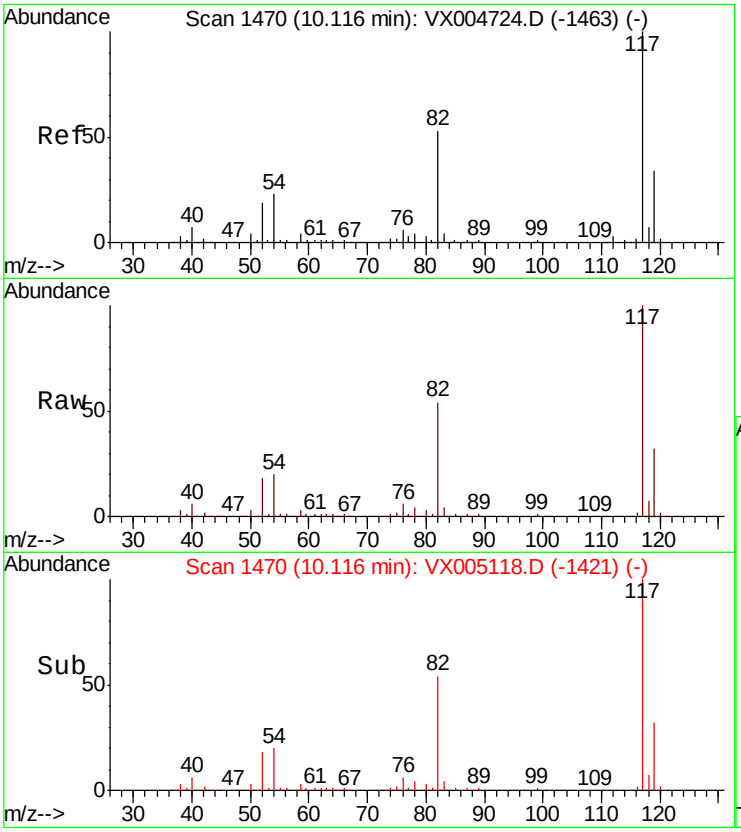




#62
4-Bromofluorobenzene
Concen: 51.442 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 95 Resp: 163013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.6 | 0.0 | 185.0 |
| 176 | 90.1 | 0.0 | 180.2 |



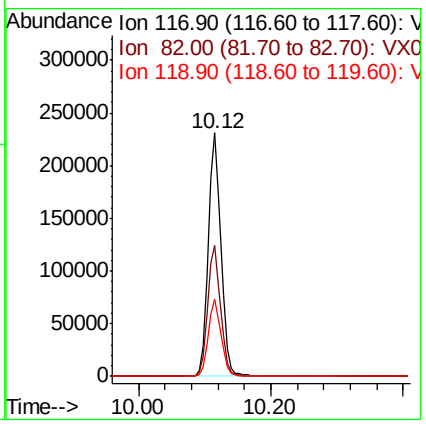


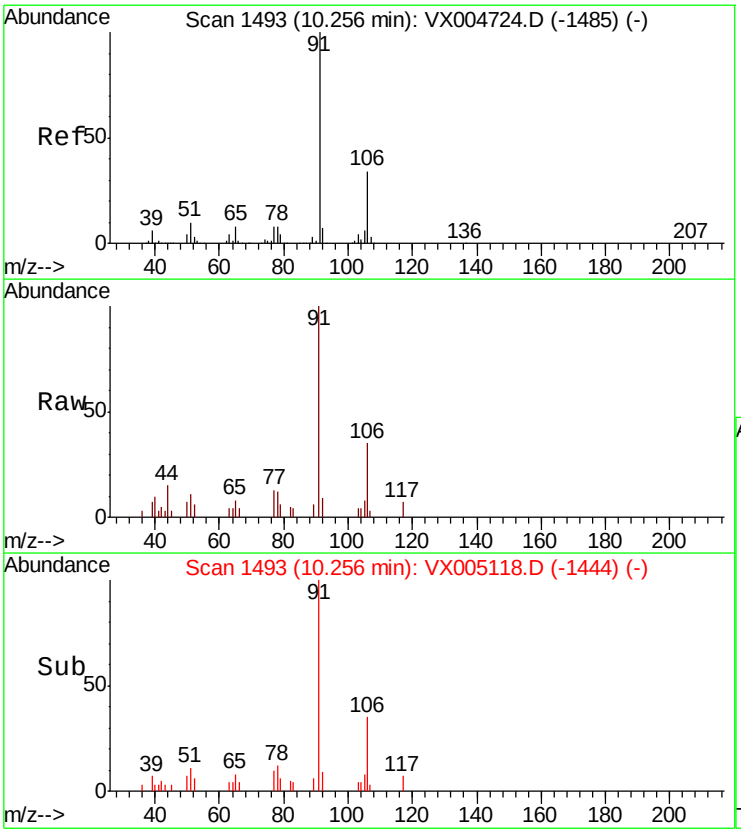

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:117 Resp: 307586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 42.2 | 63.4 |
| 119 | 31.5 | 27.4 | 41.0 |

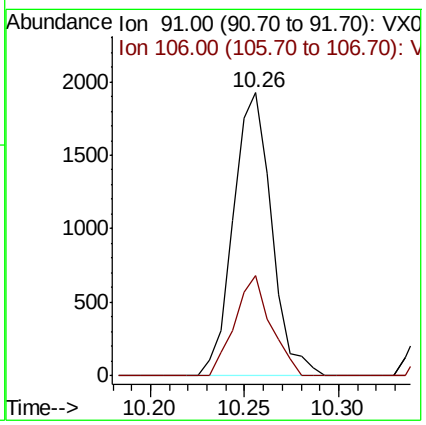


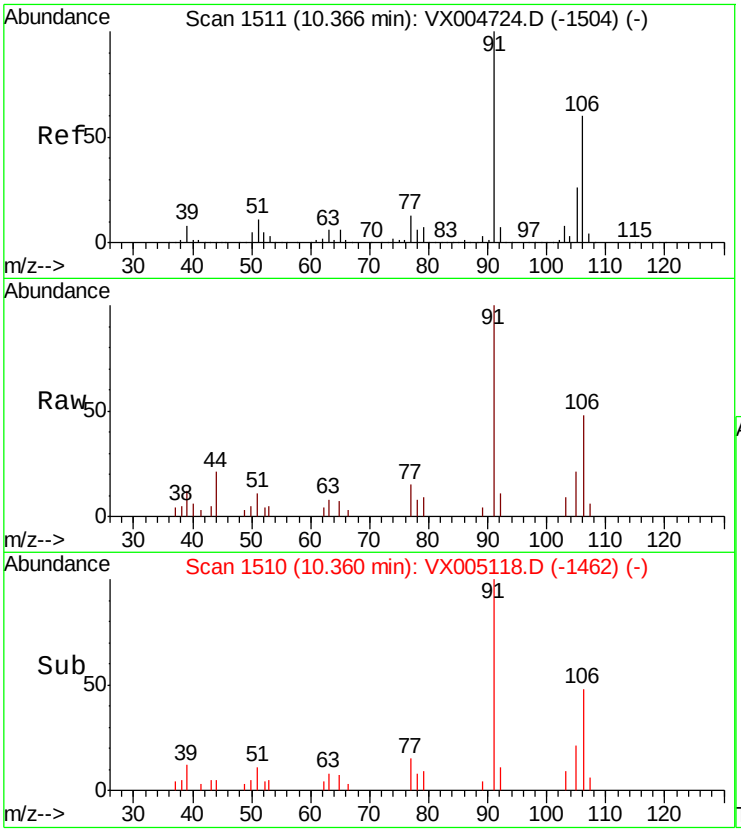




#67
Ethyl Benzene
Concen: 0.217 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 91 Resp: 2715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 35.5 | 26.9 | 40.3 |



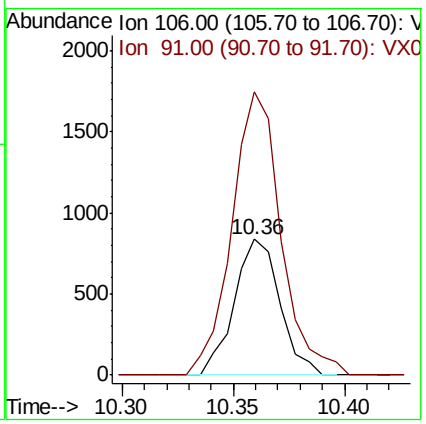


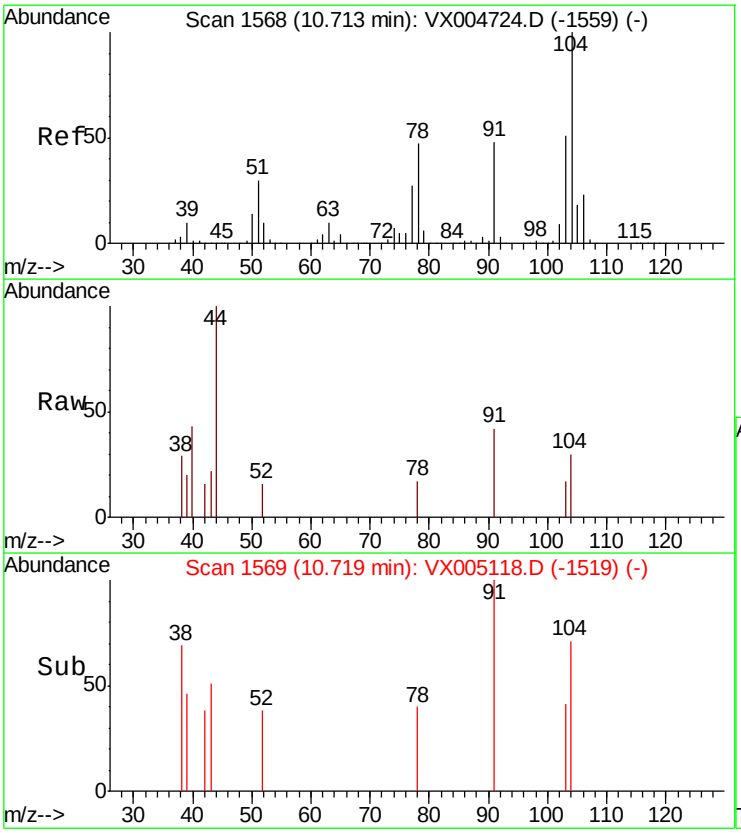

#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:106 Resp: 1201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.2 | 157.5 | 236.3 |

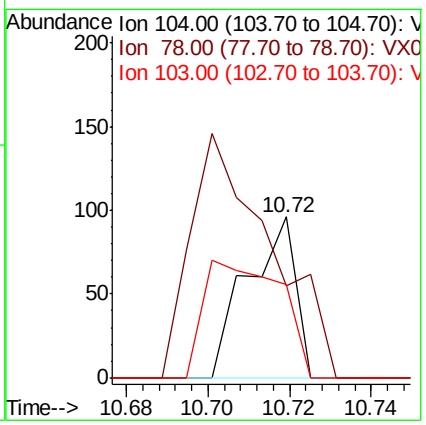


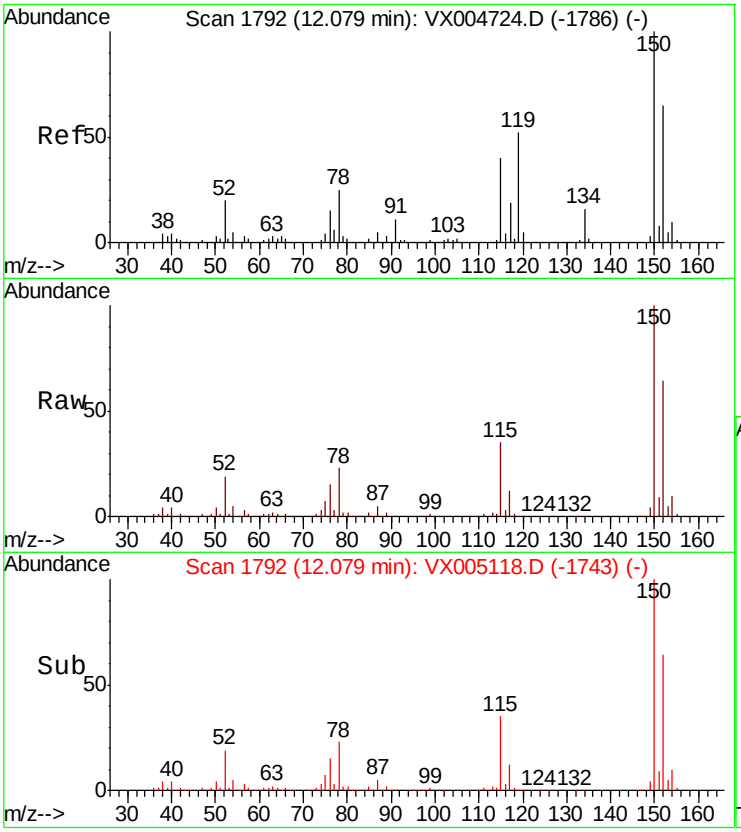




#70
Styrene
Concen: 2.149 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion:104 Resp: 79

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 250.6 | 40.0 | 60.0# |
| 103 | 115.2 | 44.3 | 66.5# |



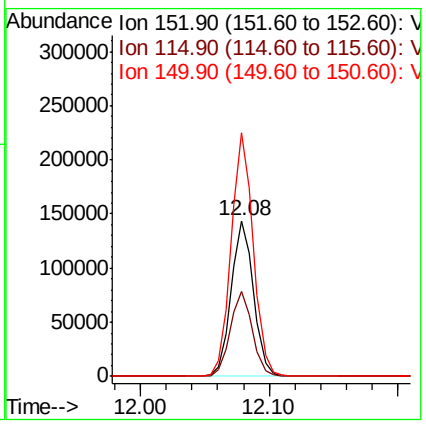


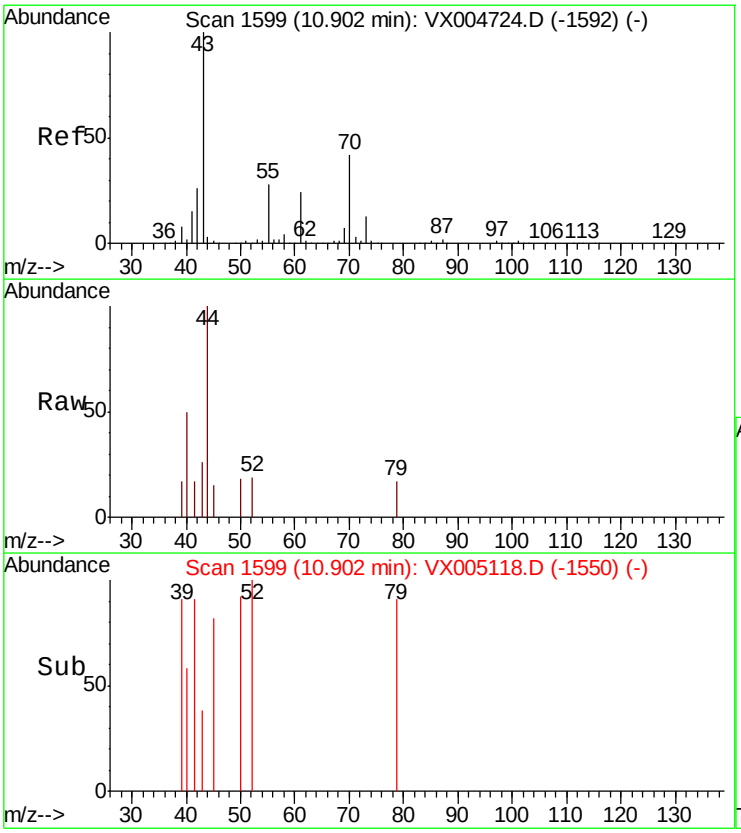

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:152 Resp: 173771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.5 | 40.2 | 120.6 |
| 150 | 155.5 | 0.0 | 351.0 |

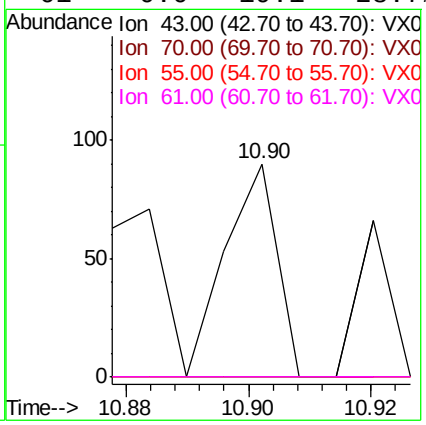


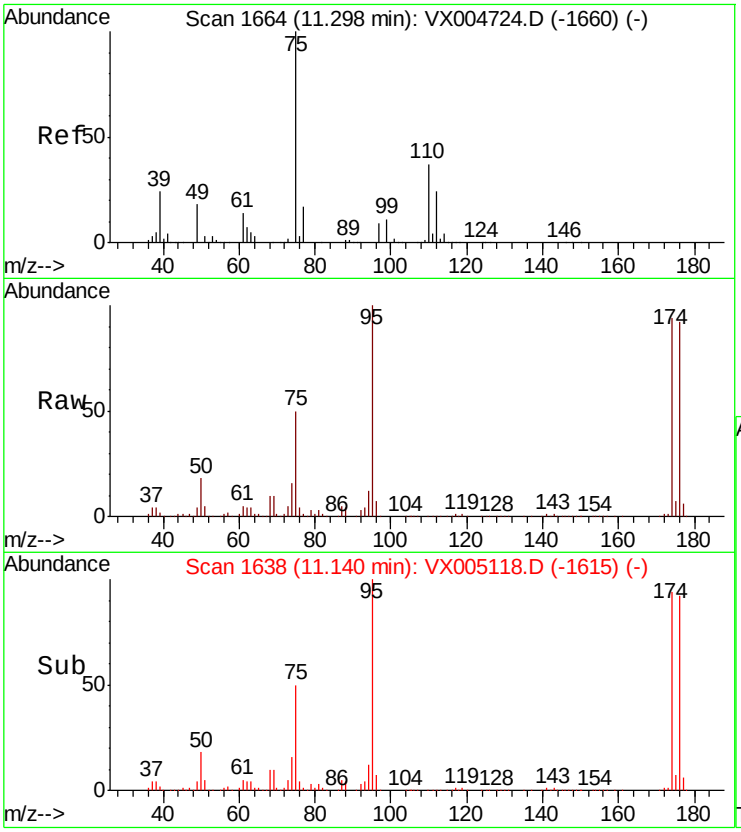




#74
N-amyl acetate
Concen: 1.756 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 43 Resp: 52

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.6 | 48.8# |
| 55 | 0.0 | 21.6 | 32.4# |
| 61 | 0.0 | 19.1 | 28.7# |



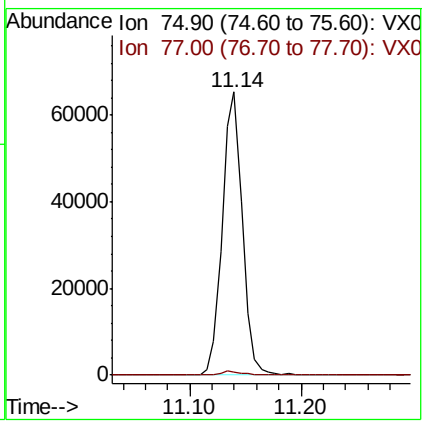


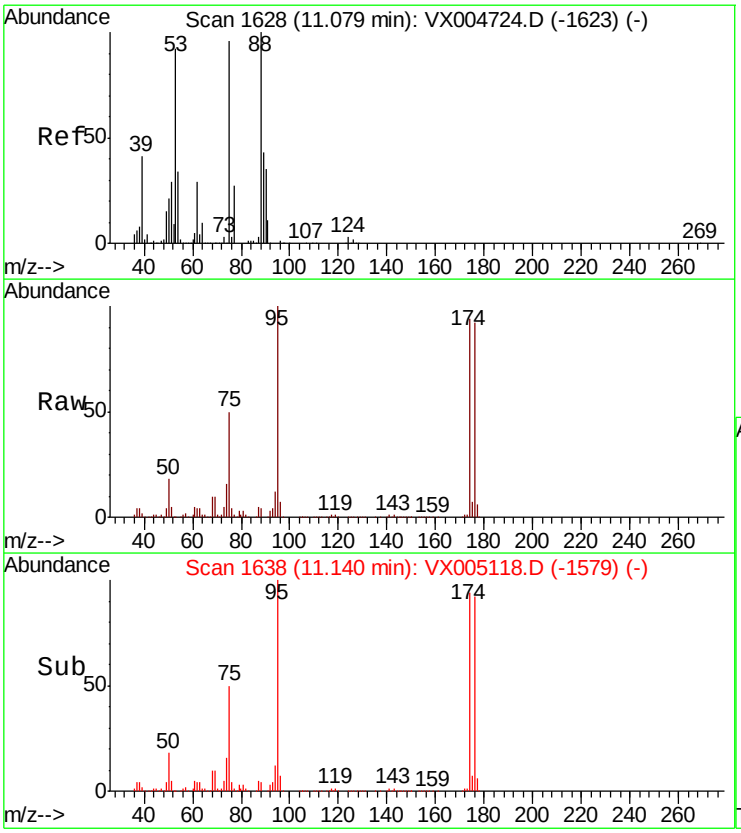

#76
1,2,3-Trichloropropane
Concen: 20.862 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion: 75 Resp: 81256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 21.4 | 64.3# |

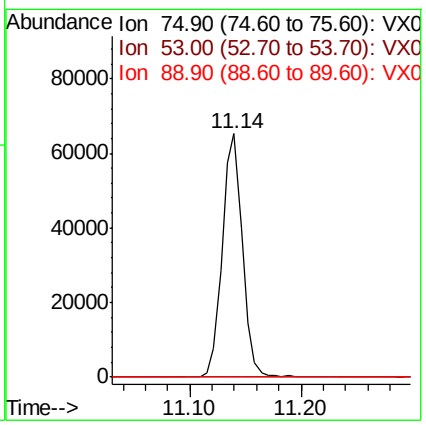


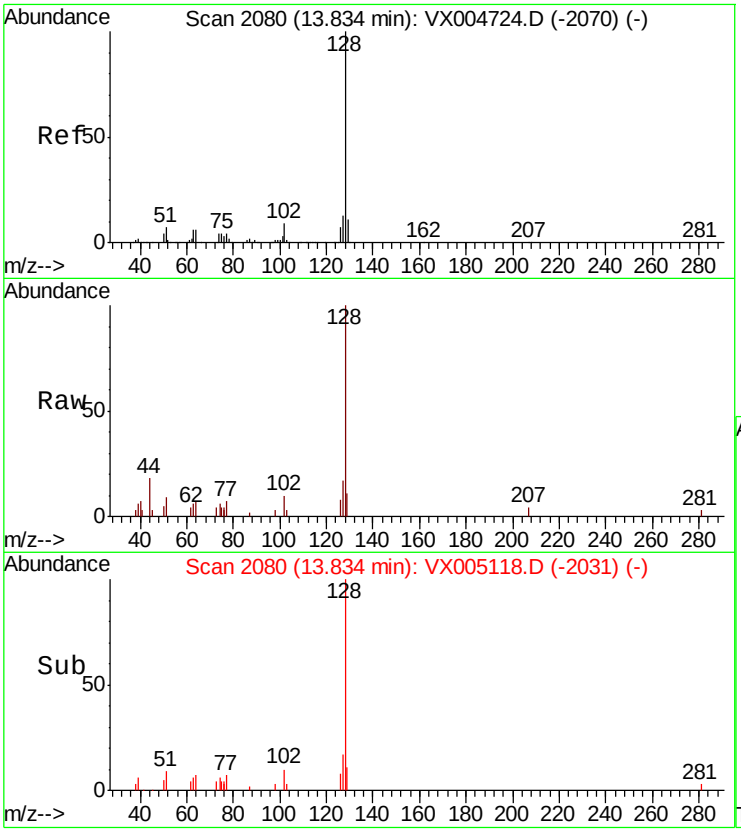




#81
trans-1,4-Dichloro-2-butene
Concen: 56.626 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

Tgt Ion: 75 Resp: 81256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 80.2 | 120.4# |
| 89 | 0.0 | 37.1 | 55.7# |






#95
Naphthalene
Concen: 0.919 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005118.D
Acq: 08 Oct 2018 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
CA-AQIDW-20181004

Tgt Ion:128 Resp: 2920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.6 | 10.4 | 15.6 |
| 129 | 10.7 | 8.7 | 13.1 |