Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110218\
Data File : VX005746.D
Acq On : 02 Nov 2018 10:41
Operator : JC/MD
Sample : VX1102WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Quant Time: Nov 03 01:24:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 116742 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 187667 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 164762 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 72869 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 89800 | 52.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.22% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 69440 | 53.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.88% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 230988 | 50.68 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.36% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 73263 | 43.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 87.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 690 | 0.336 | ug/l # | 70 |
| 6) Chloroethane | 1.70 | 64 | 30 | Below Cal | # | 42 |
| 11) Tert butyl alcohol | 3.01 | 59 | 1421 | 3.066 | ug/l # | 72 |
| 13) Acrolein | 2.32 | 56 | 46 | 12.315 | ug/l # | 61 |
| 15) Acrylonitrile | 3.15 | 53 | 252 | 0.247 | ug/l # | 41 |
| 16) Acetone | 2.45 | 43 | 245 | Below Cal | # | 62 |
| 18) Methyl Acetate | 2.79 | 43 | 507 | 0.207 | ug/l # | 77 |
| 29) Tetrahydrofuran | 5.18 | 42 | 333 | 0.379 | ug/l # | 42 |
| 31) Cyclohexane | 5.65 | 56 | 3065 | 1.344 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 10426 | 5.214 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 12196 | 6.751 | ug/l # | 16 |
| 49) 1,4-Dioxane | 8.02 | 88 | 22 | 0.551 | ug/l # | 1 |
| 58) 2-Chloroethyl Vinyl ether | 8.32 | 63 | 26 | 10.356 | ug/l # | 48 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 38887 | 21.427 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 38887 | 69.228 | ug/l # | 9 |

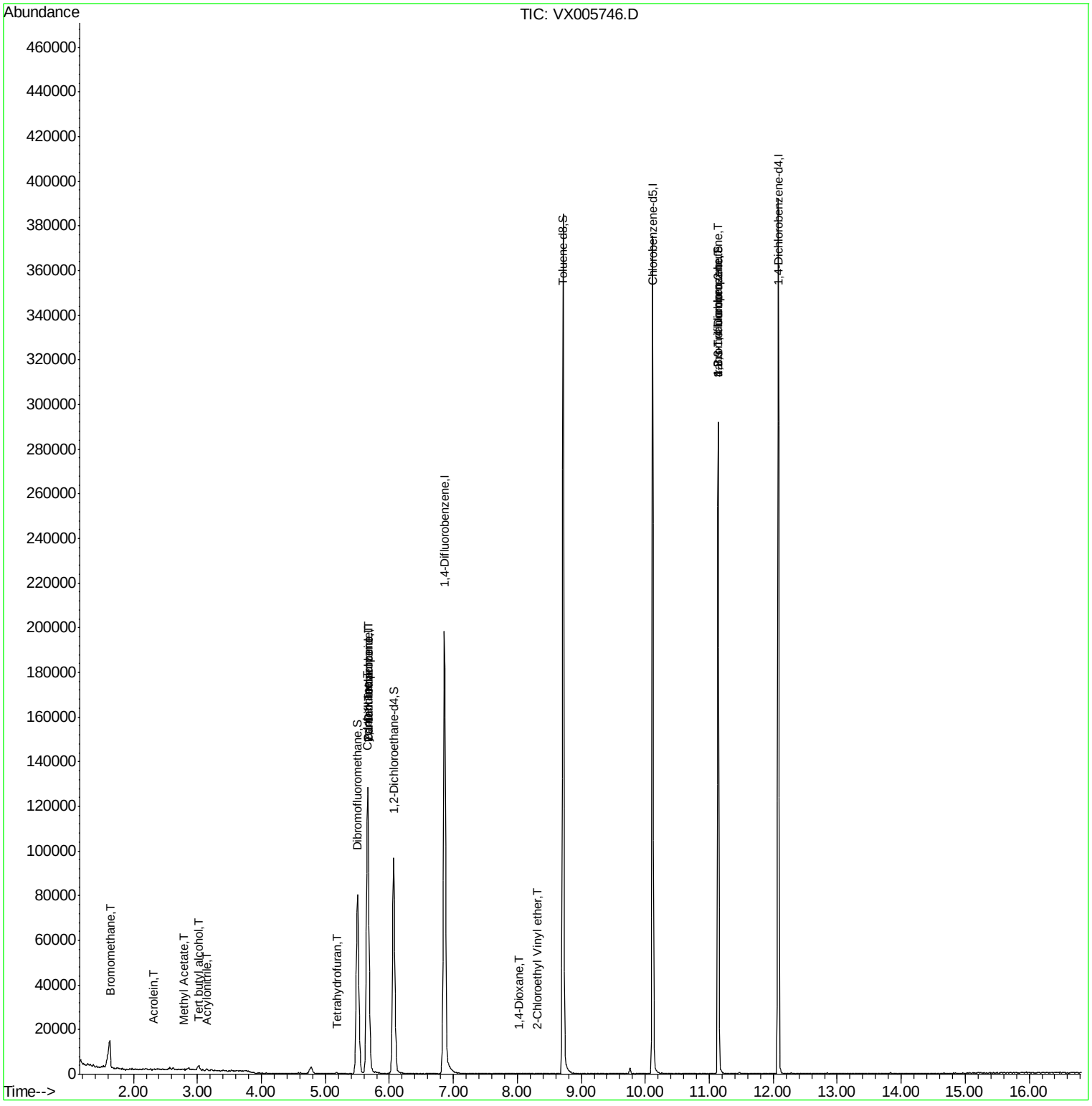
(#) = qualifier out of range (m) = manual integration (+) = signals summed

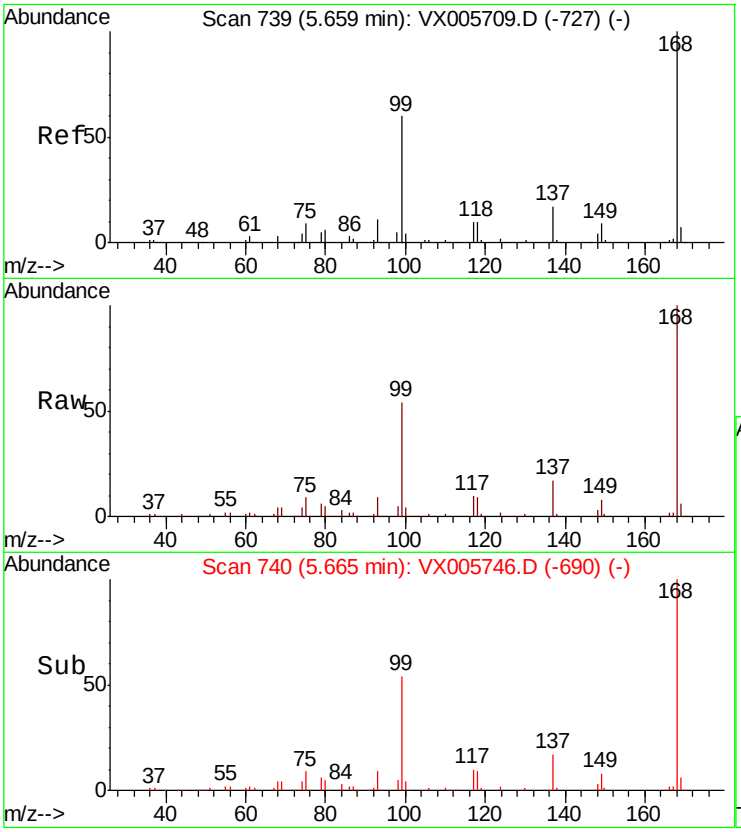
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110218\
Data File : VX005746.D
Acq On : 02 Nov 2018 10:41
Operator : JC/MD
Sample : VX1102WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Quant Time: Nov 03 01:24:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration



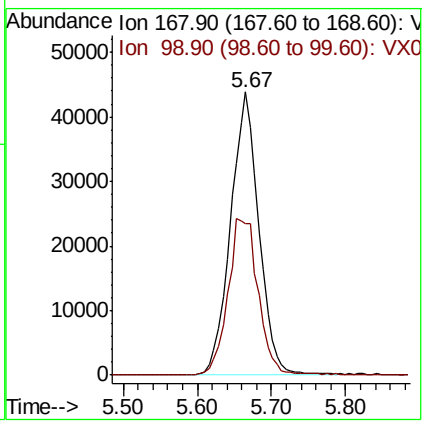


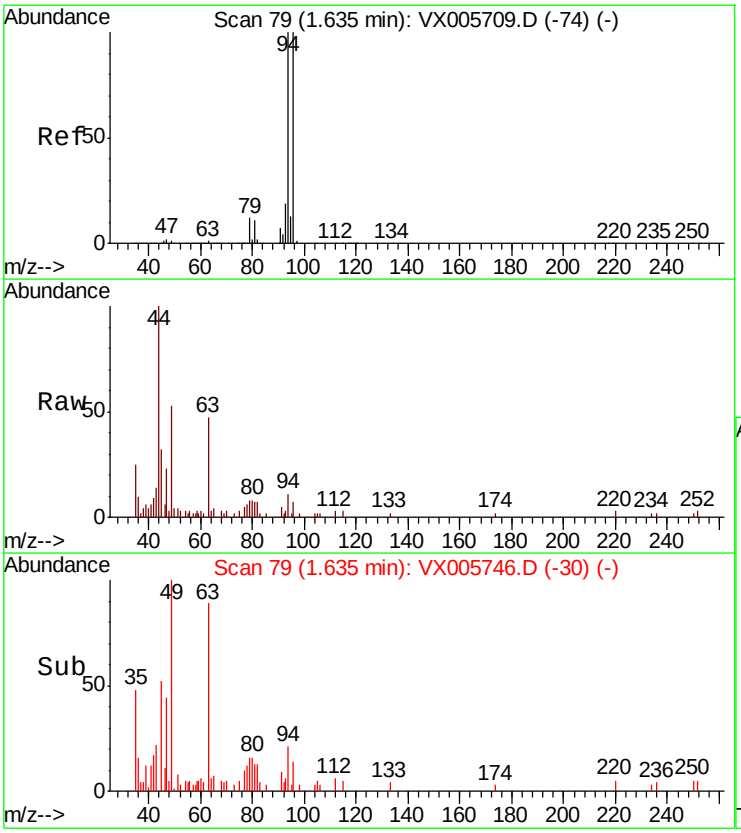

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion:168 Resp: 116742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.6 | 40.7 | 61.1 |

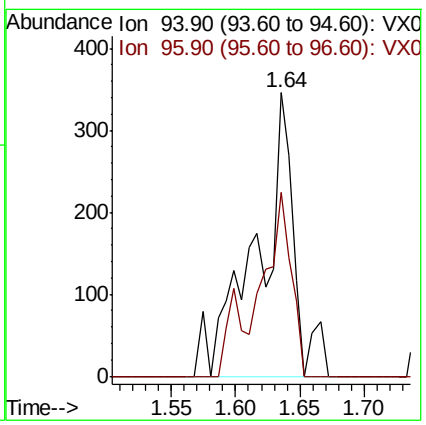


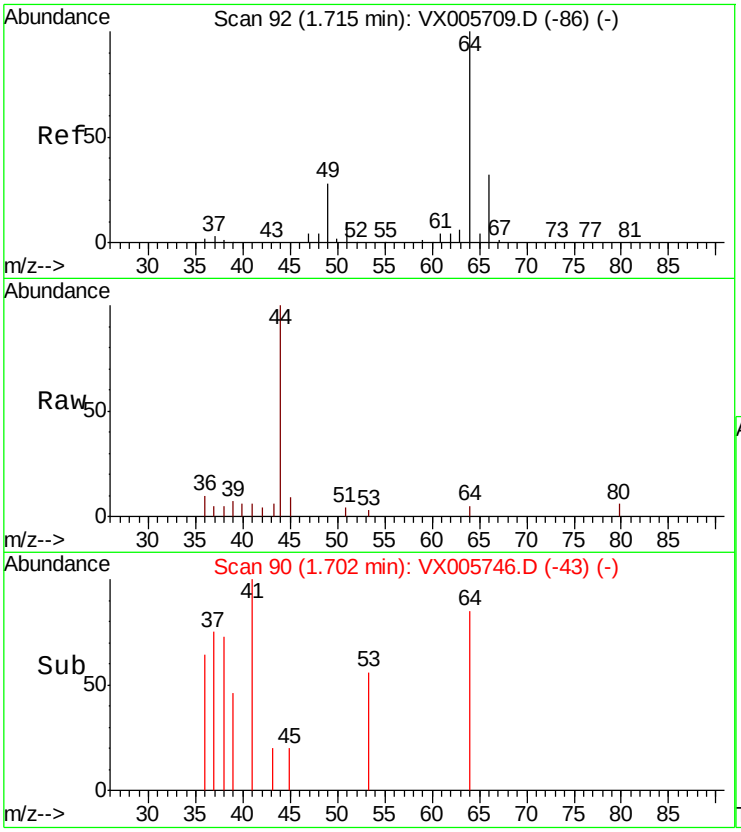




#5
Bromomethane
Concen: 0.336 ug/l
RT: 1.64 min Scan# 79
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 94 Resp: 690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 65.0 | 75.2 | 112.8# |



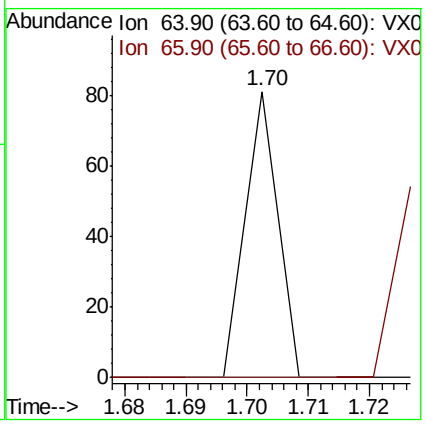


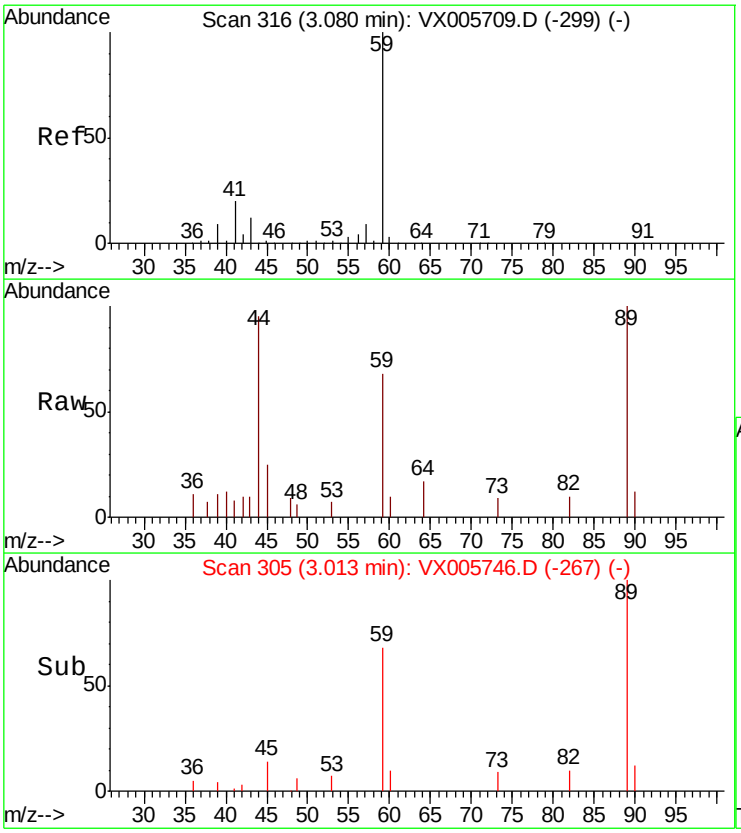

#6
Chloroethane
Concen: Below Cal
RT: 1.70 min Scan# 90
Delta R.T. -0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Tgt Ion: 64 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.8 | 38.6# |

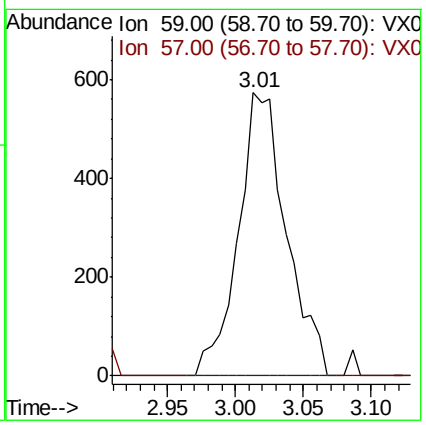


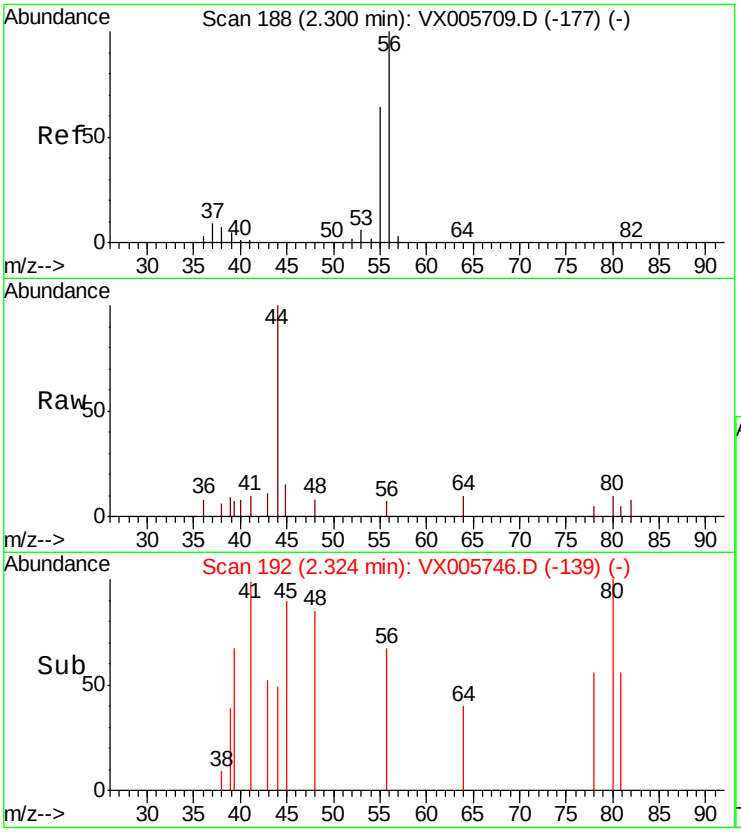




#11
Tert butyl alcohol
Concen: 3.066 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 59 Resp: 1421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.5 | 12.7# |



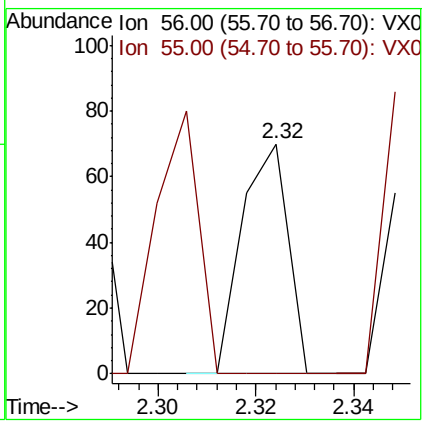


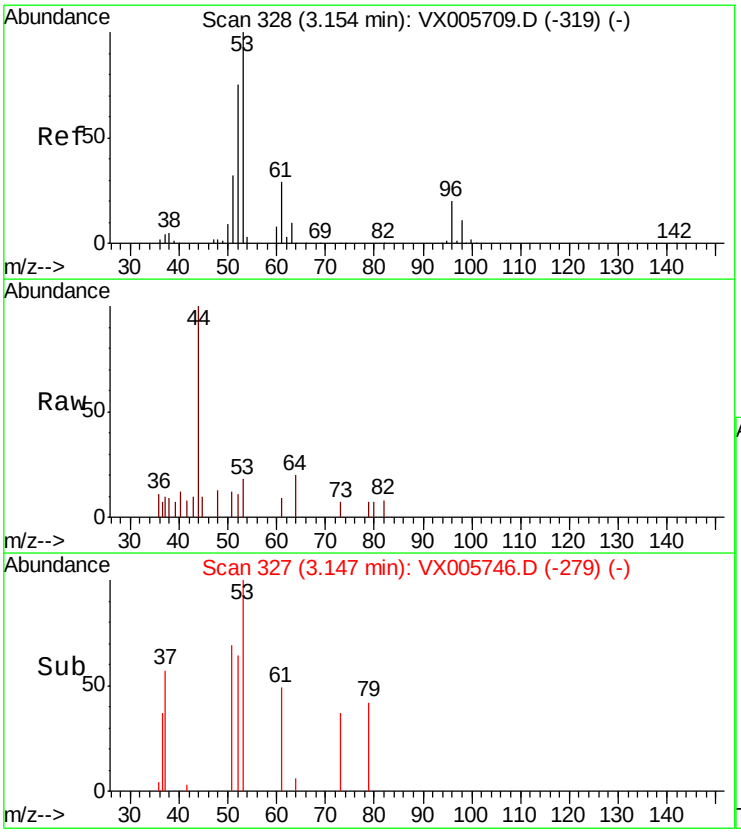

#13
Acrolein
Concen: 12.315 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Tgt Ion: 56 Resp: 46

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 104.3 | 57.3 | 85.9# |

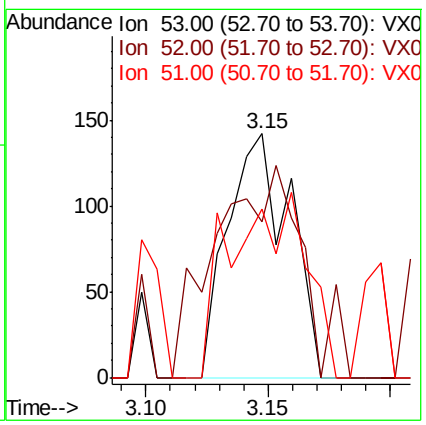


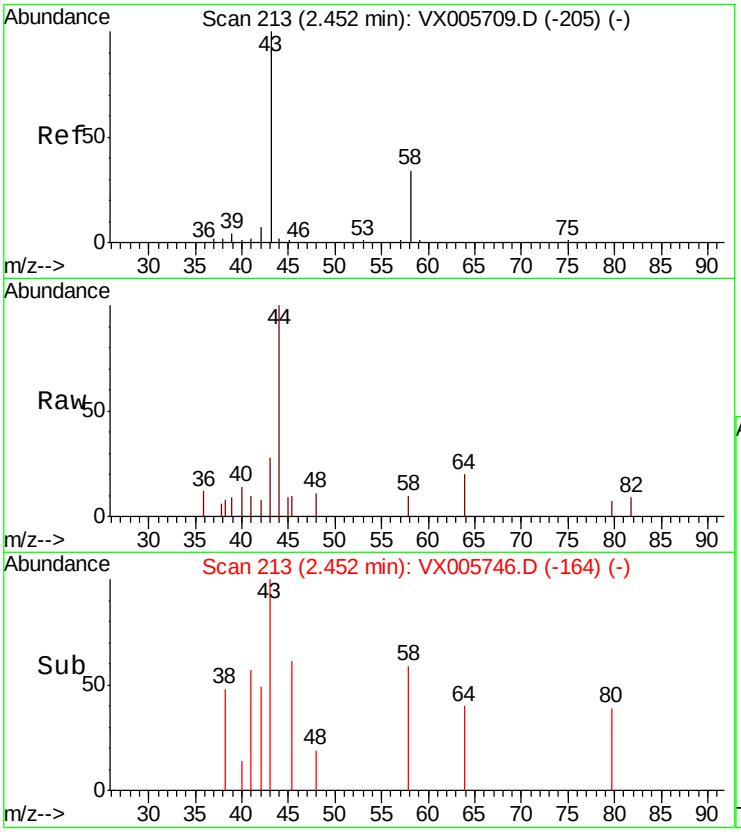




#15
Acrylonitrile
Concen: 0.247 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 53 Resp: 252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 122.2 | 66.6 | 99.8# |
| 51 | 92.5 | 28.4 | 42.6# |



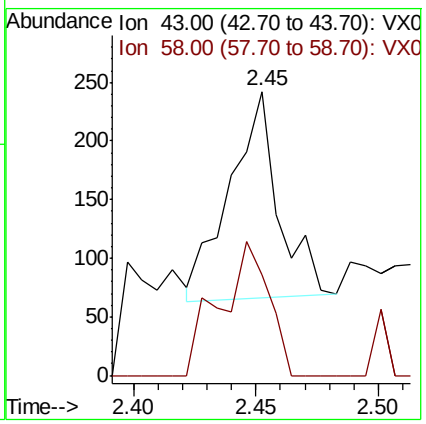


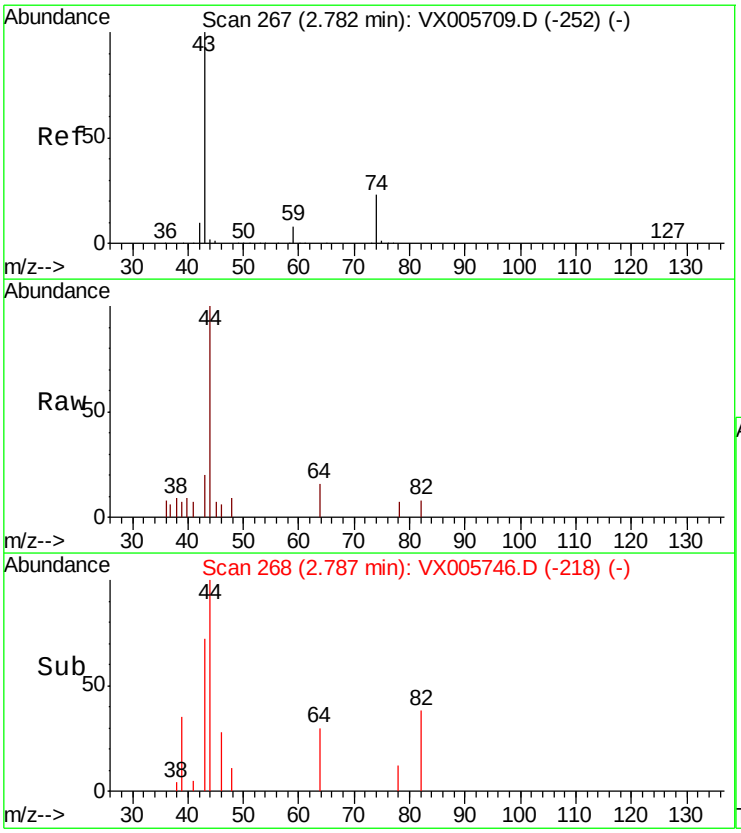

#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 213
Delta R.T. 0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion: 43 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.0 | 23.8 | 35.6# |

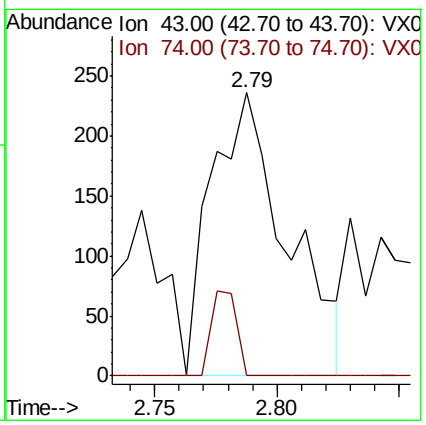


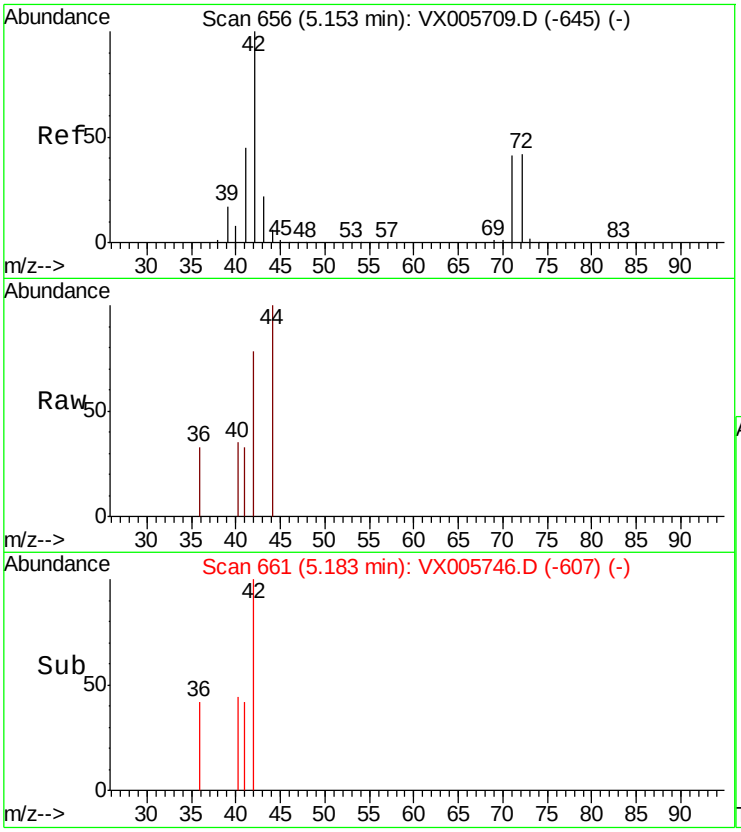




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 43 Resp: 507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 10.1 | 16.8 | 25.2# |



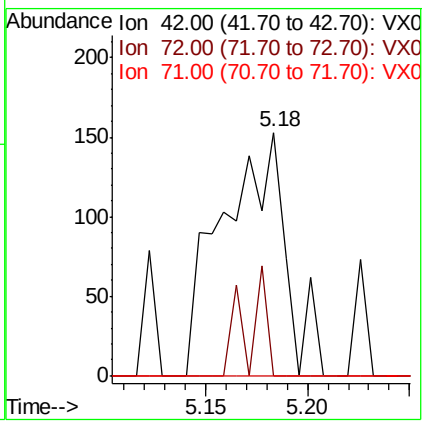


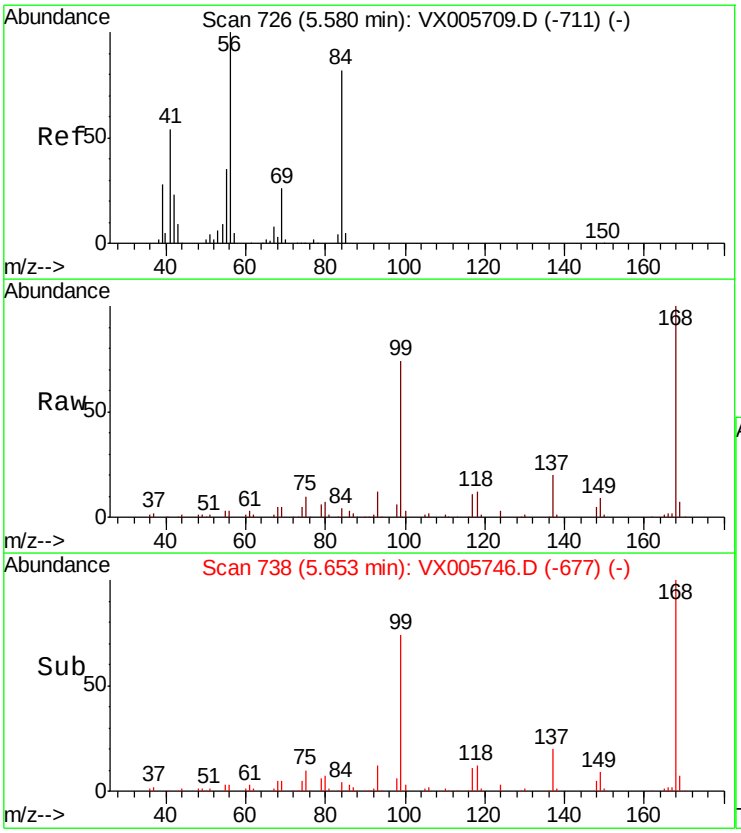

#29
Tetrahydrofuran
Concen: 0.379 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Tgt Ion: 42 Resp: 333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 6.3 | 32.0 | 48.0# |
| 71 | 0.0 | 29.8 | 44.8# |

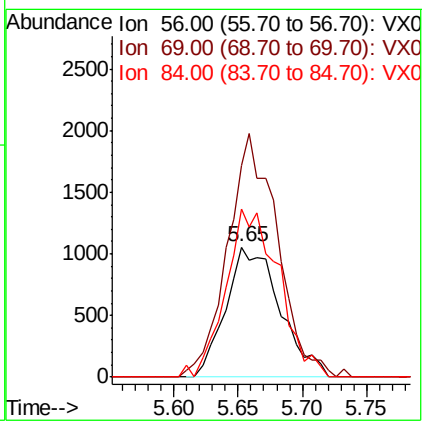


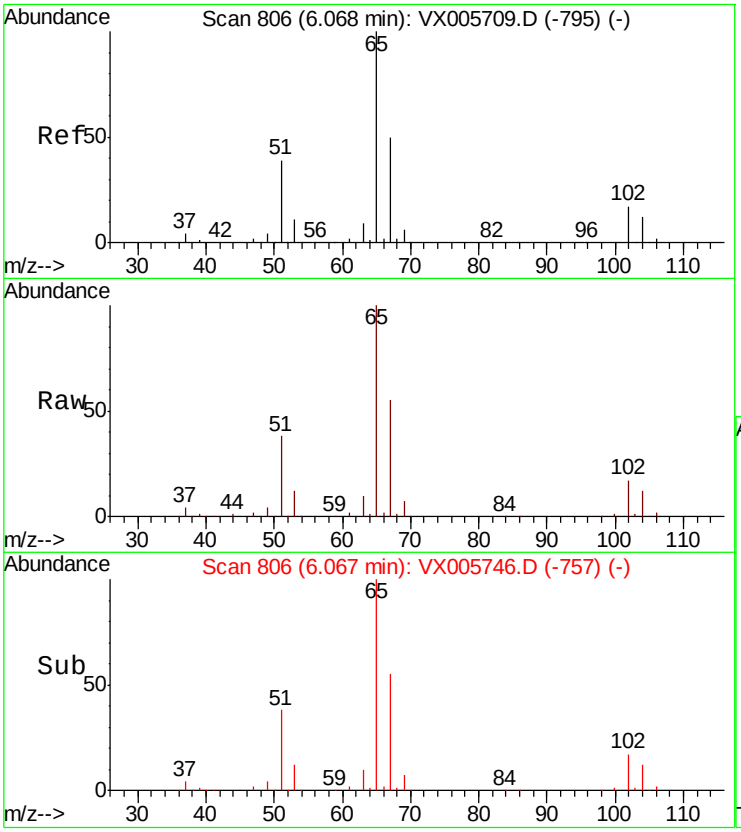




#31
Cyclohexane
Concen: 1.344 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 56 Resp: 3065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 162.9 | 22.6 | 34.0# |
| 84 | 128.8 | 62.7 | 94.1# |



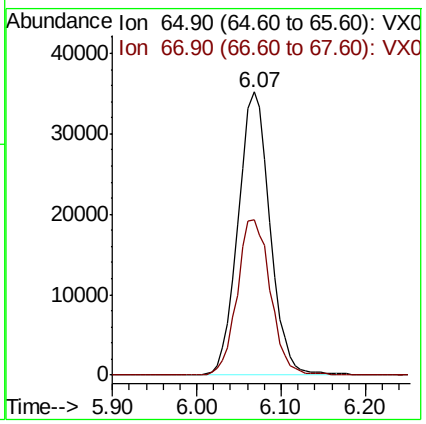


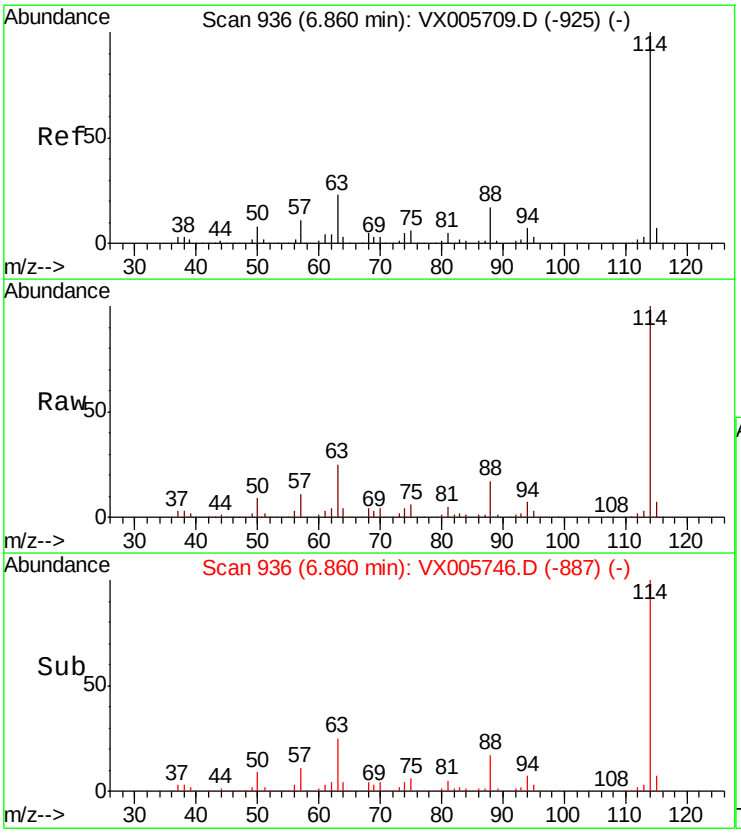

#33
1,2-Dichloroethane-d4
Concen: 52.613 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion: 65 Resp: 89800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 57.1 | 0.0 | 105.0 |

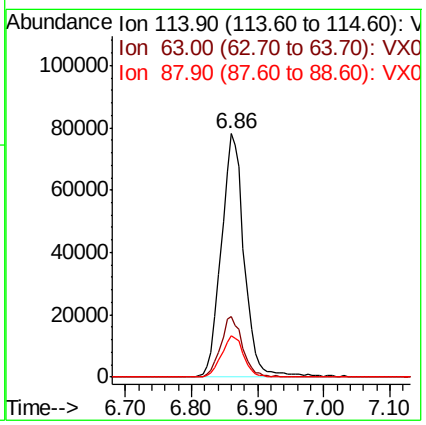


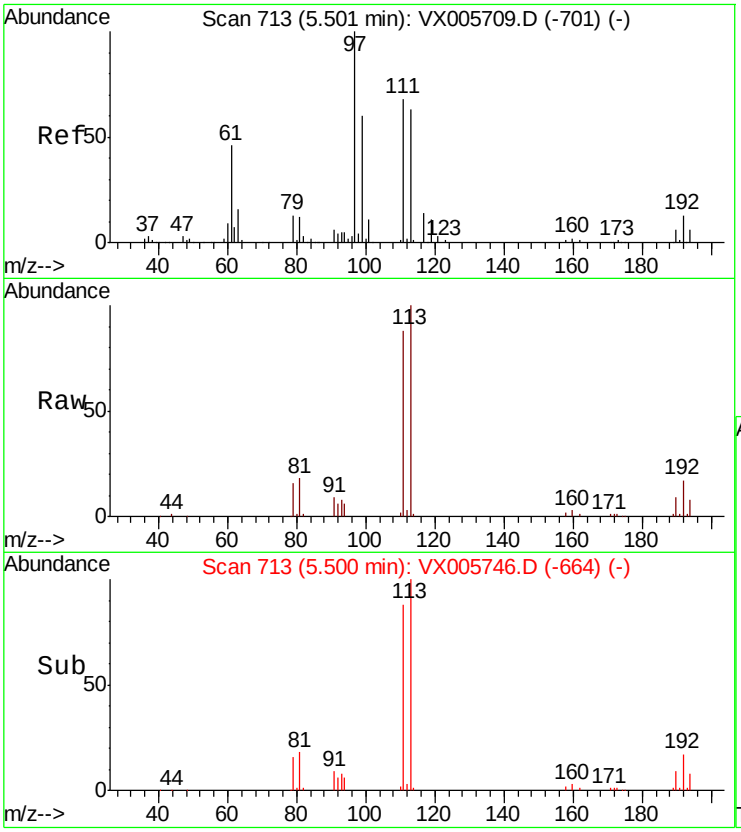




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion:114 Resp: 187667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.9 | 0.0 | 42.8 |
| 88 | 16.7 | 0.0 | 31.2 |



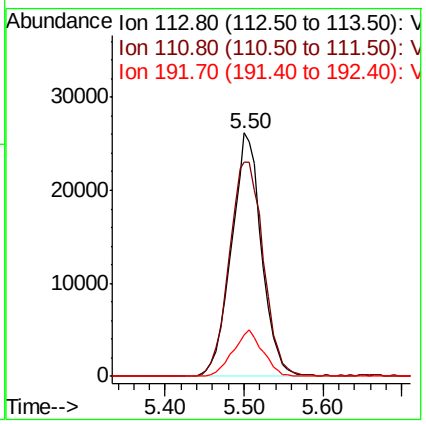


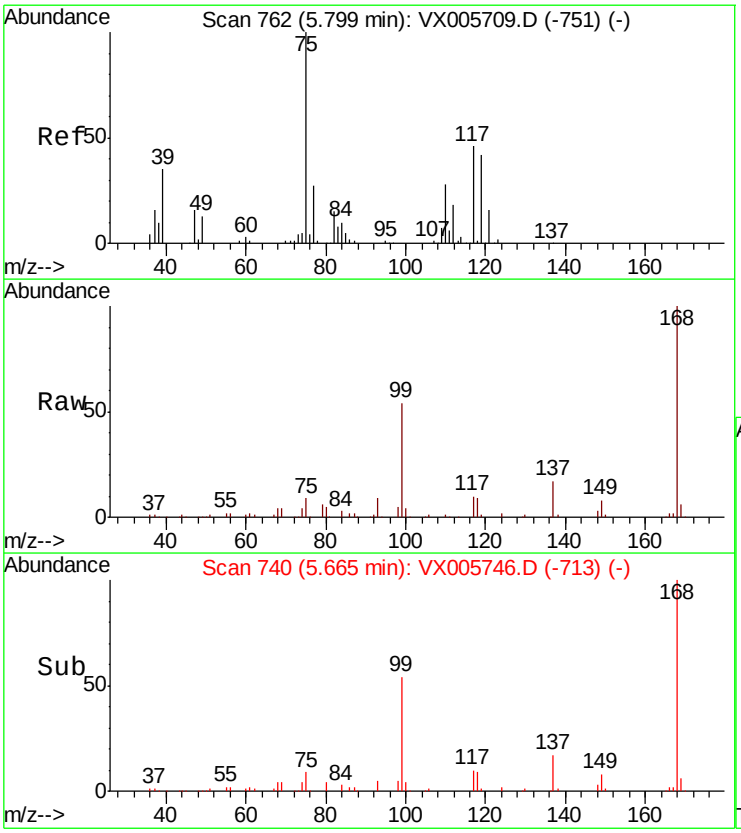

#35
Dibromofluoromethane
Concen: 53.439 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion:113 Resp: 69440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.9 | 82.3 | 123.5 |
| 192 | 18.9 | 17.9 | 26.9 |

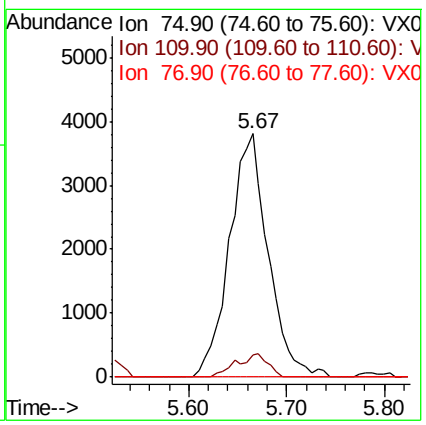


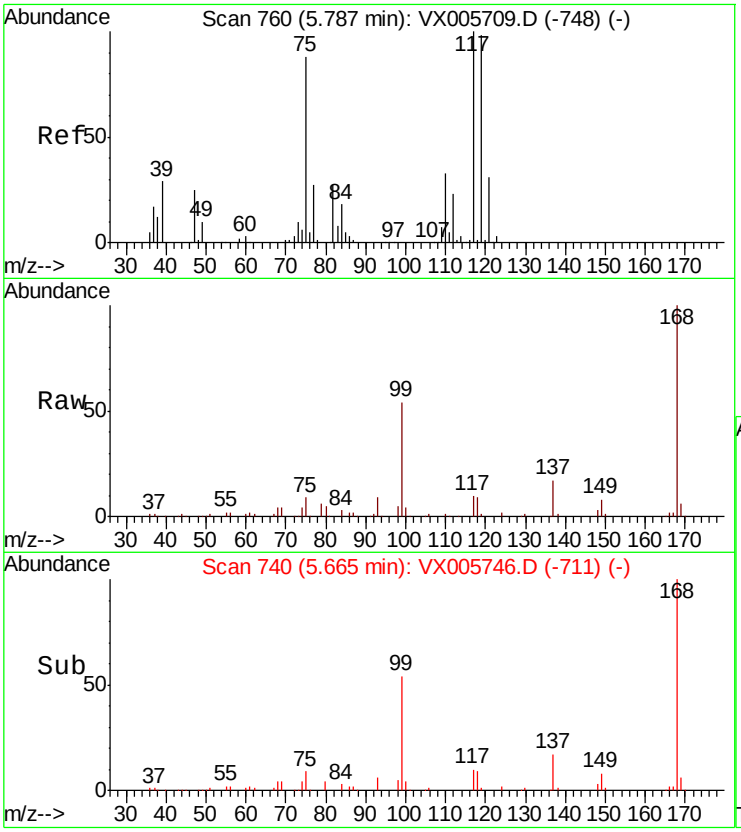




#36
1,1-Dichloropropene
Concen: 5.214 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 75 Resp: 10426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.8 | 17.4 | 52.2# |
| 77 | 0.0 | 25.8 | 38.6# |



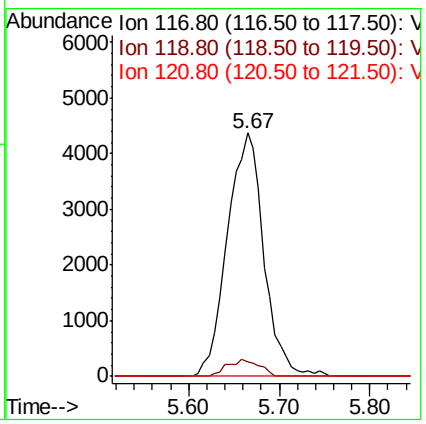


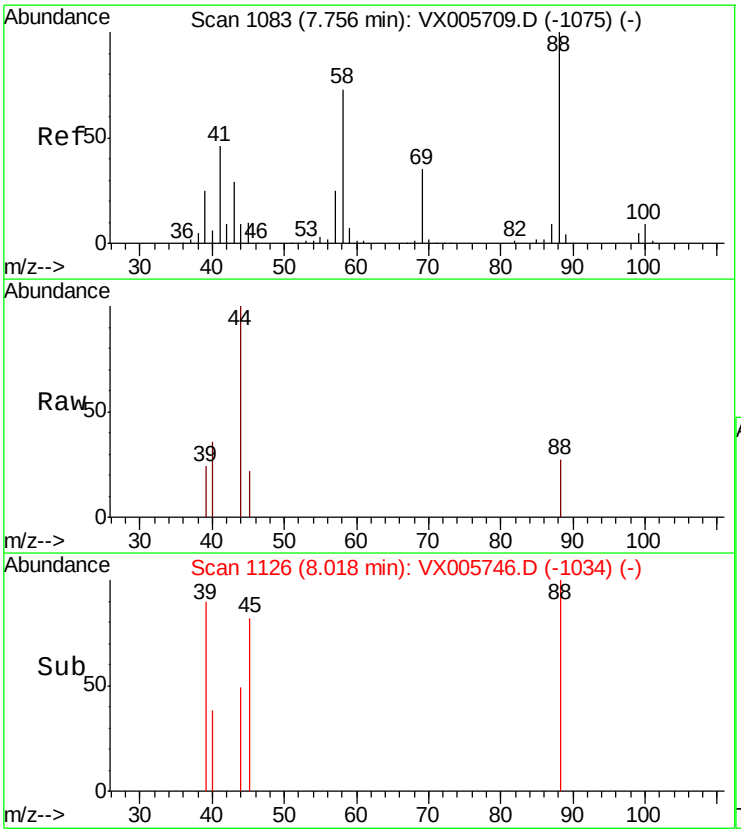

#38
Carbon Tetrachloride
Concen: 6.751 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion:117 Resp: 12196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.7 | 78.1 | 117.1# |
| 121 | 0.0 | 24.6 | 36.8# |

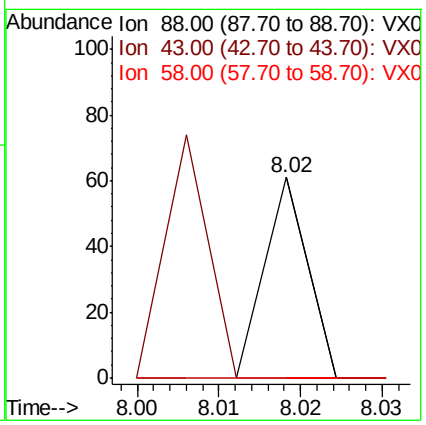


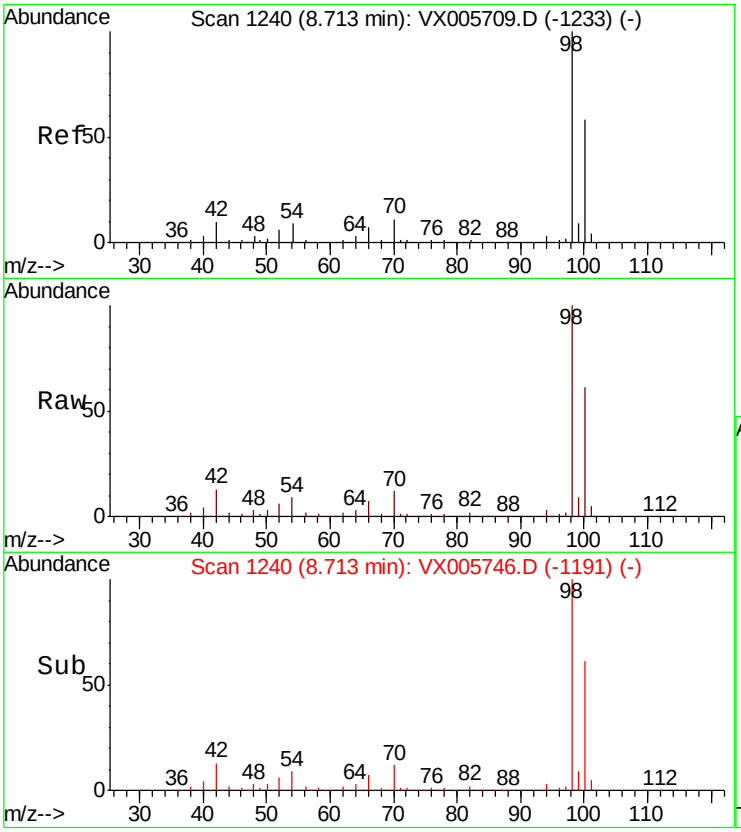




#49
1,4-Dioxane
Concen: 0.551 ug/l
RT: 8.02 min Scan# 1126
Delta R.T. 0.26 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 88 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 122.7 | 27.4 | 41.0# |
| 58 | 0.0 | 59.4 | 89.2# |



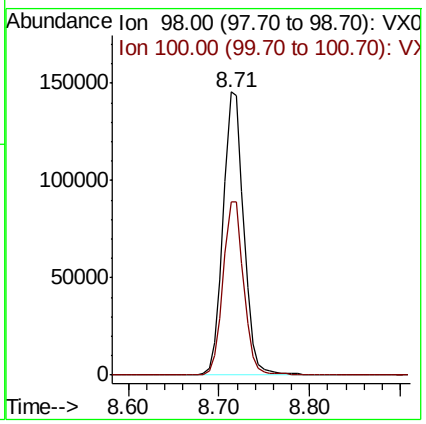


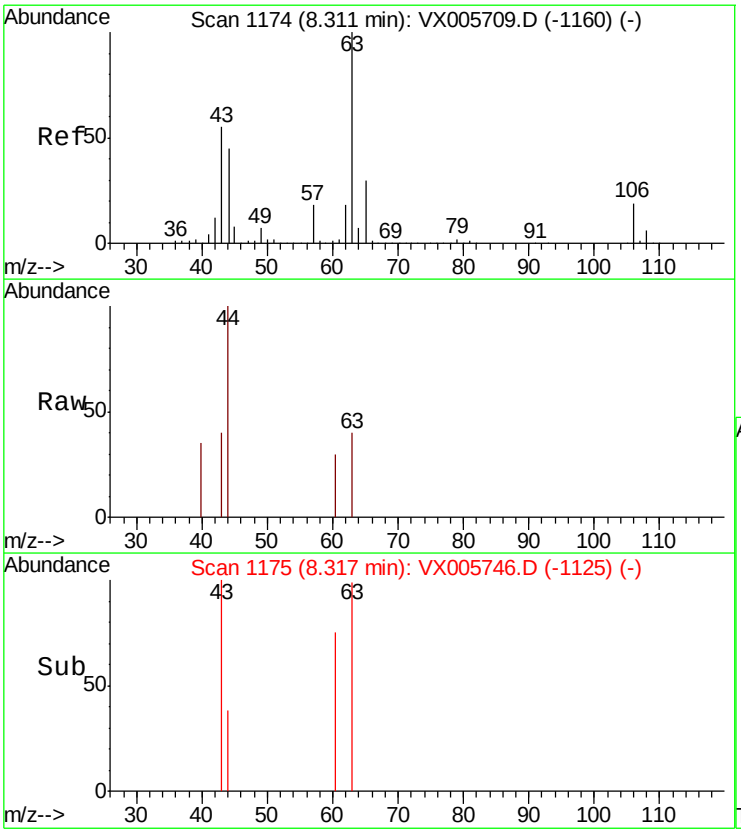

#50
Toluene-d8
Concen: 50.683 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Tgt Ion: 98 Resp: 230988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 61.5 | 51.3 | 76.9 |

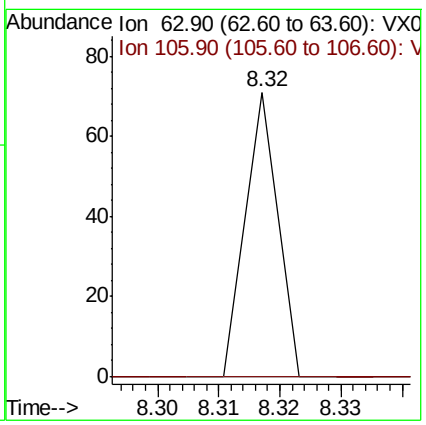


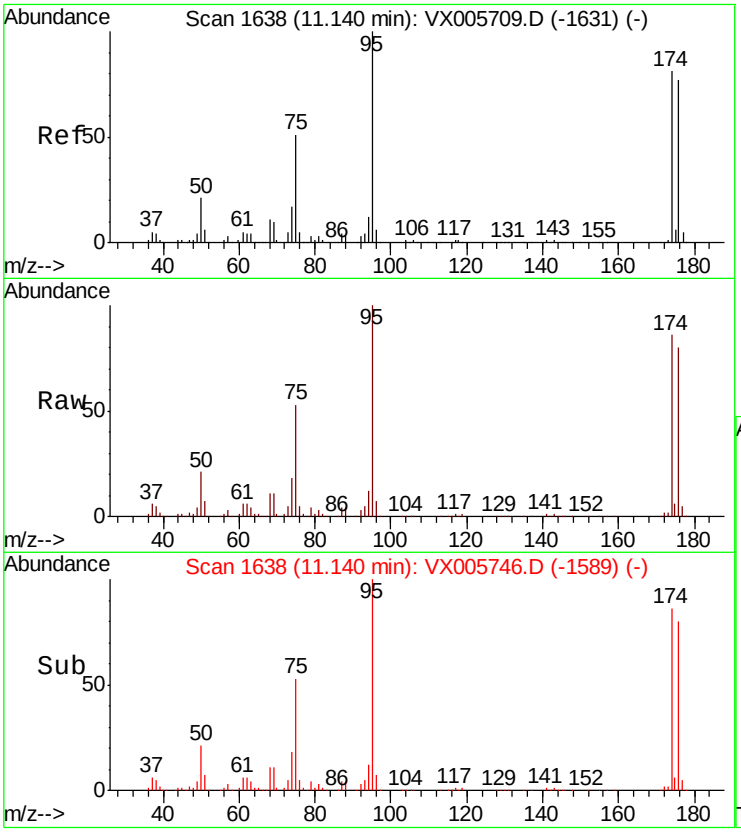




#58
2-Chloroethyl Vinyl ether
Concen: 10.356 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 63 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 21.3 | 31.9# |



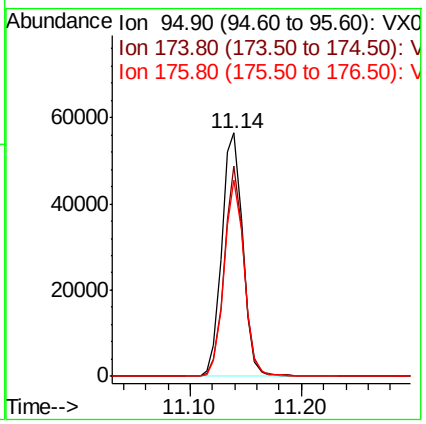


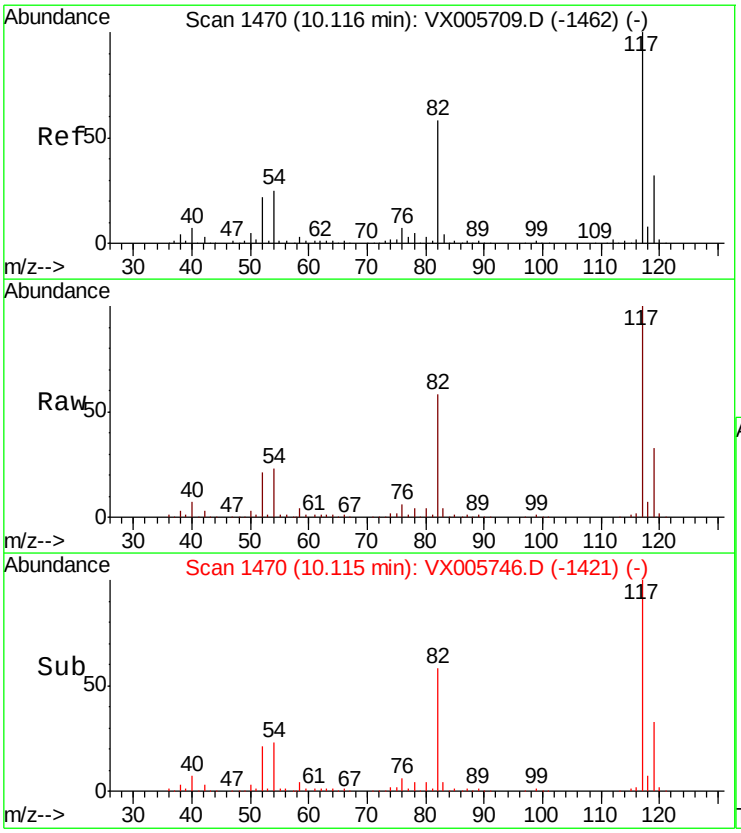

#62
4-Bromofluorobenzene
Concen: 43.556 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion: 95 Resp: 73263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.6 | 0.0 | 184.4 |
| 176 | 77.3 | 0.0 | 177.4 |

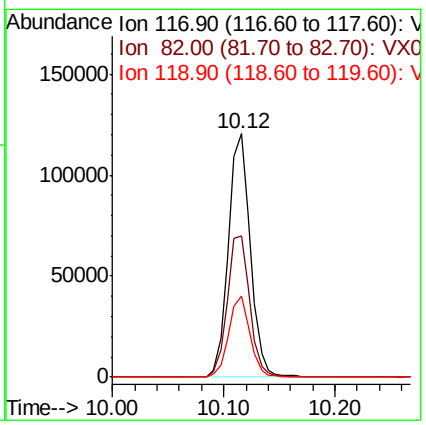


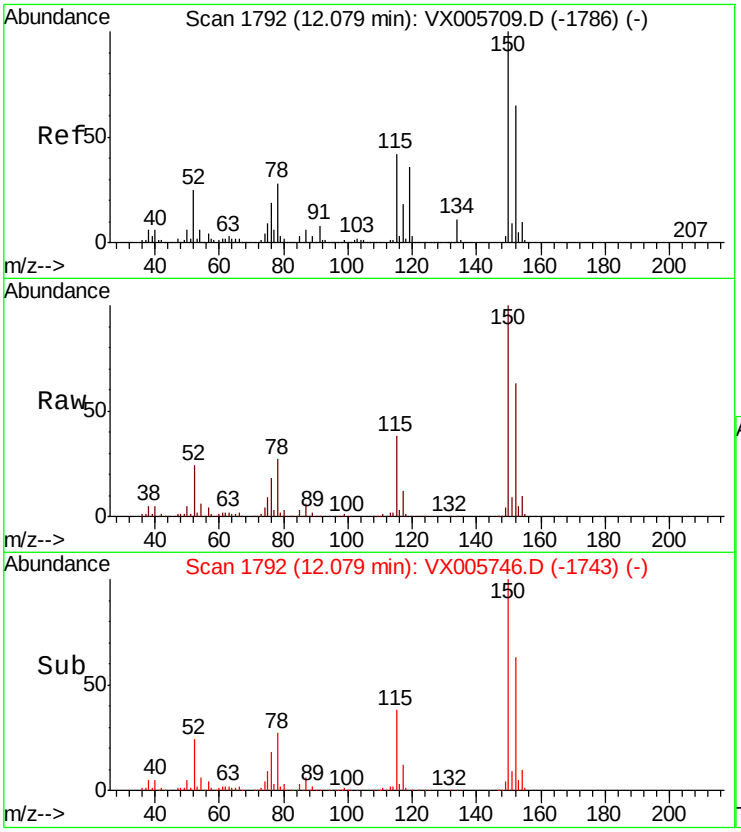




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion:117 Resp: 164762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 44.1 | 66.1 |
| 119 | 33.0 | 26.2 | 39.2 |



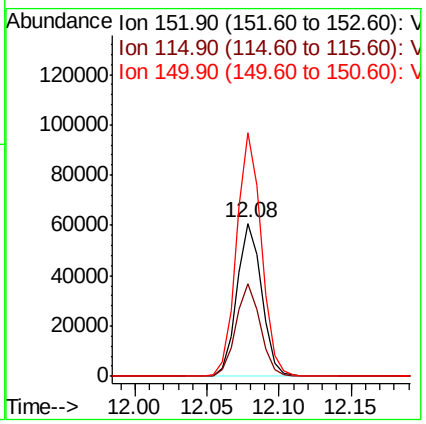


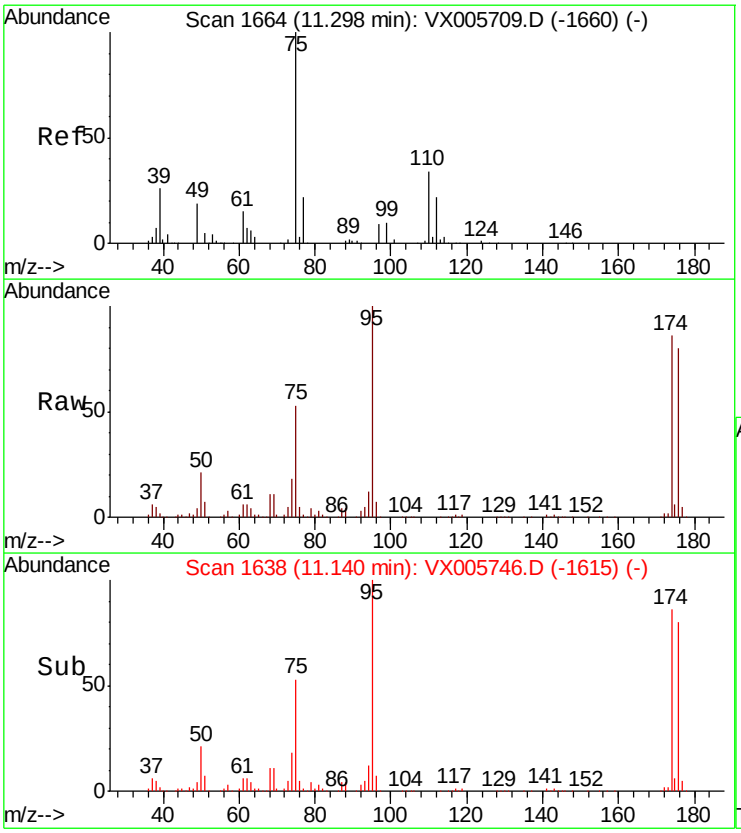

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :** MSVOA_X
**ClientSampleId :** VX1102WBL01

Tgt Ion:152 Resp: 72869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.1 | 39.4 | 118.1 |
| 150 | 159.0 | 0.0 | 346.4 |

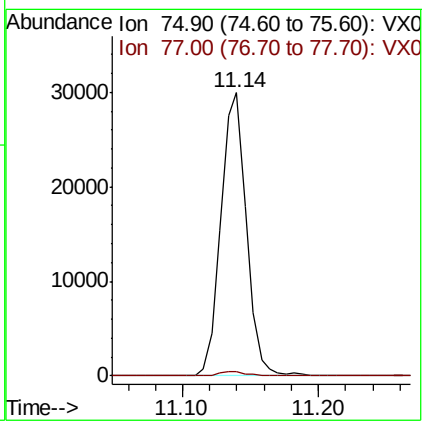


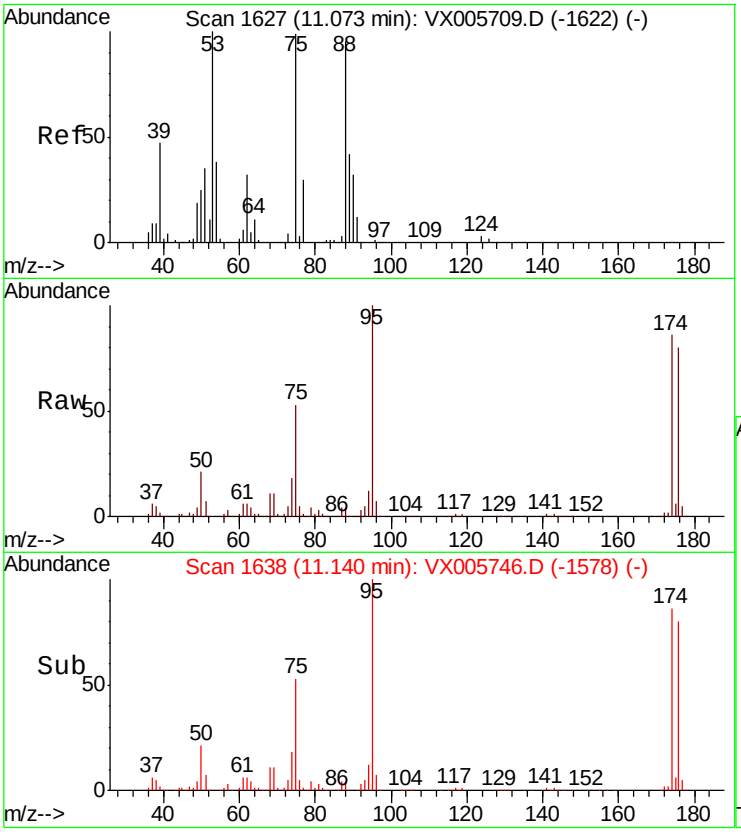




#76
1,2,3-Trichloropropane
Concen: 21.427 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 75 Resp: 38887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.5 | 61.6# |






#81
trans-1,4-Dichloro-2-butene
Concen: 69.228 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1102WBL01

Tgt Ion: 75 Resp: 38887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.2 | 120.2# |
| 89 | 0.0 | 39.8 | 59.8# |