Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005640.D
Acq On : 27 Oct 2018 07:47
Operator : JC/MD
Sample : J5692-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FT-PZ459I-20181025

Quant Time: Oct 29 00:52:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 230702 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 318609 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 290220 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 186729 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 140800 | 50.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.00% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 117963 | 54.68 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.36% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 384094 | 49.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.10% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 129932 | 44.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.76% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 400 | 0.225 | ug/l # | 31 |
| 6) Chloroethane | 1.73 | 64 | 1145 | 0.629 | ug/l # | 42 |
| 10) Methyl Iodide | 2.51 | 142 | 57 | 2.748 | ug/l # | 78 |
| 11) Tert butyl alcohol | 3.02 | 59 | 6668 | 8.799 | ug/l # | 78 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 857 | 0.396 | ug/l # | 74 |
| 16) Acetone | 2.45 | 43 | 1674 | 1.125 | ug/l | 92 |
| 18) Methyl Acetate | 2.78 | 43 | 334 | Below Cal | # | 24 |
| 19) Methyl tert-butyl Ether | 3.21 | 73 | 1721 | 0.223 | ug/l # | 77 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 3004 | 0.655 | ug/l # | 89 |
| 31) Cyclohexane | 5.67 | 56 | 4450 | 1.172 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 15650 | 5.062 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 20189 | 6.199 | ug/l # | 15 |
| 51) 4-Methyl-2-Pentanone | 8.71 | 43 | 1836 | 0.462 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 65197 | 16.479 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 65197 | 53.846 | ug/l # | 9 |

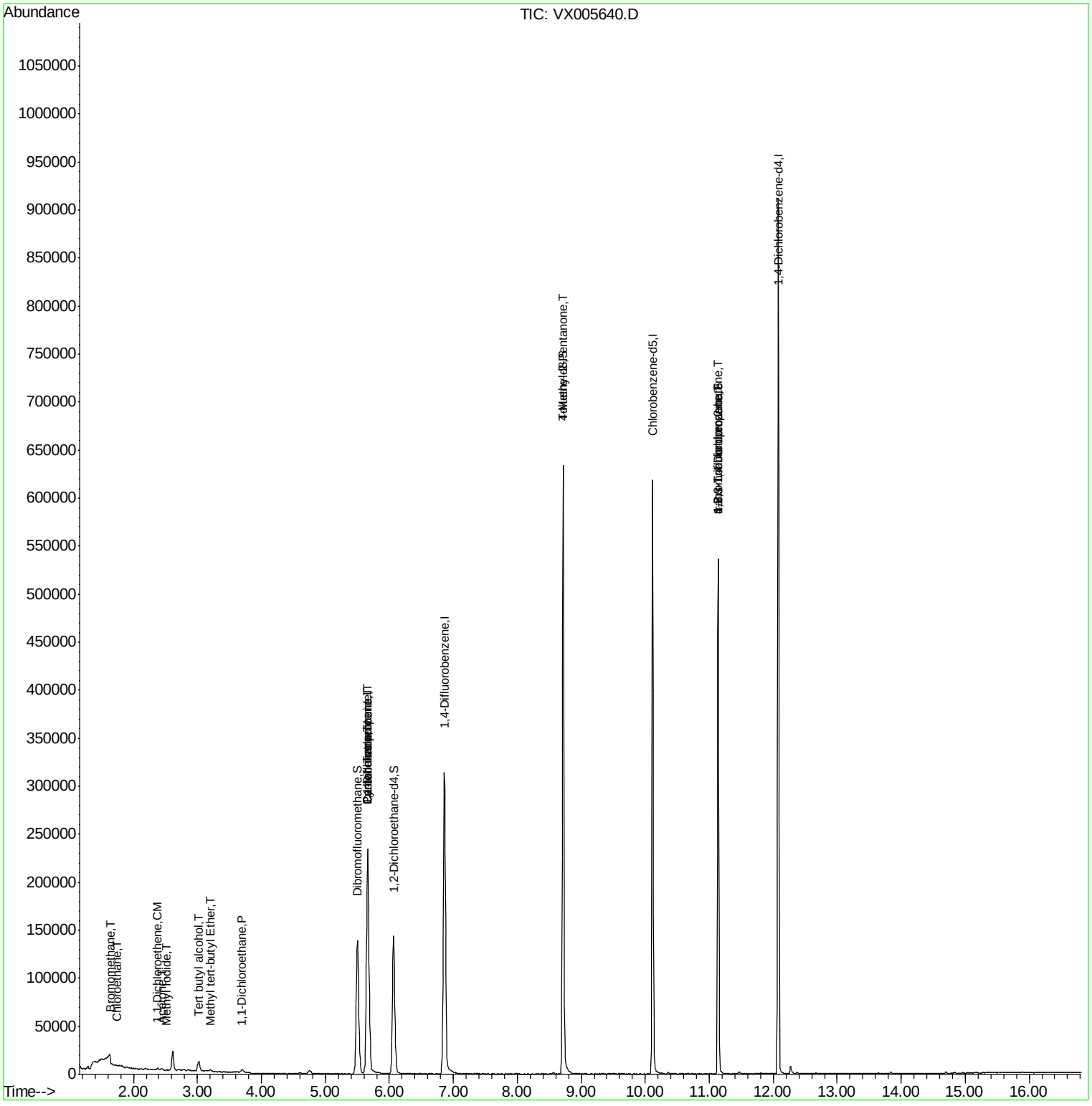
(#) = qualifier out of range (m) = manual integration (+) = signals summed

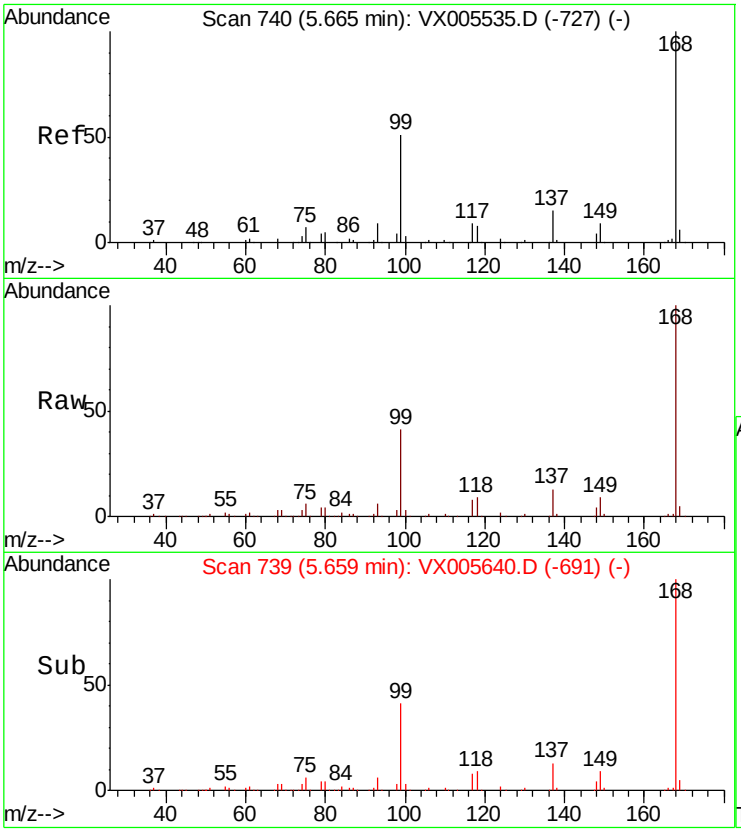
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005640.D
Acq On : 27 Oct 2018 07:47
Operator : JC/MD
Sample : J5692-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FT-PZ459I-20181025

Quant Time: Oct 29 00:52:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration



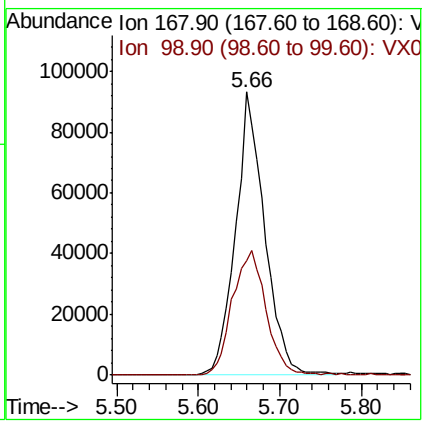


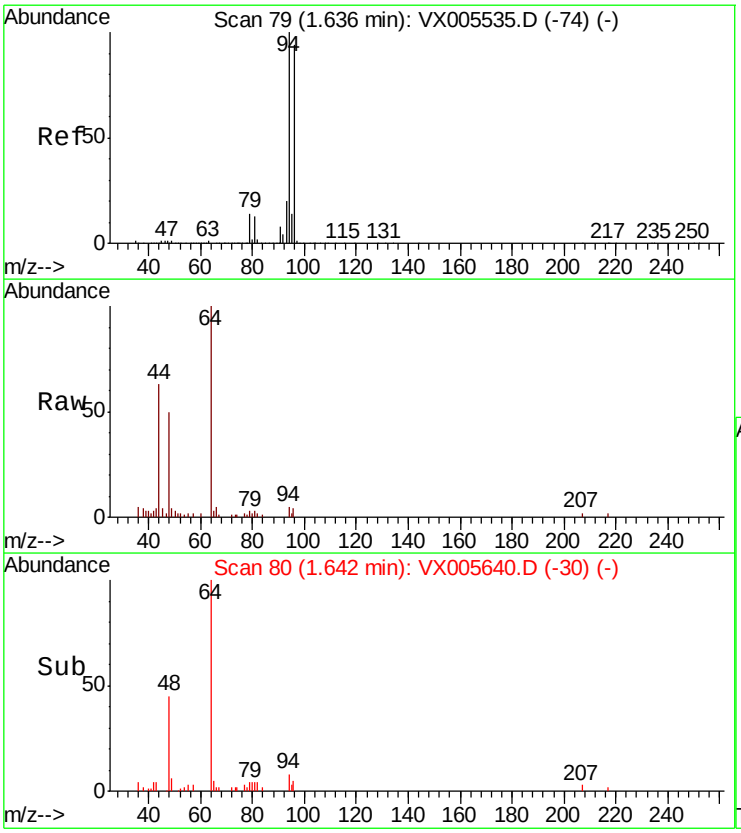

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion:168 Resp: 230702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 40.6 | 40.7 | 61.1# |

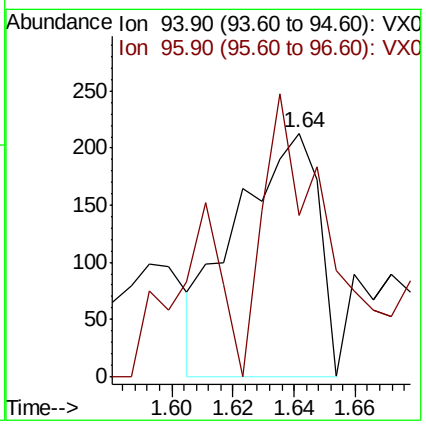


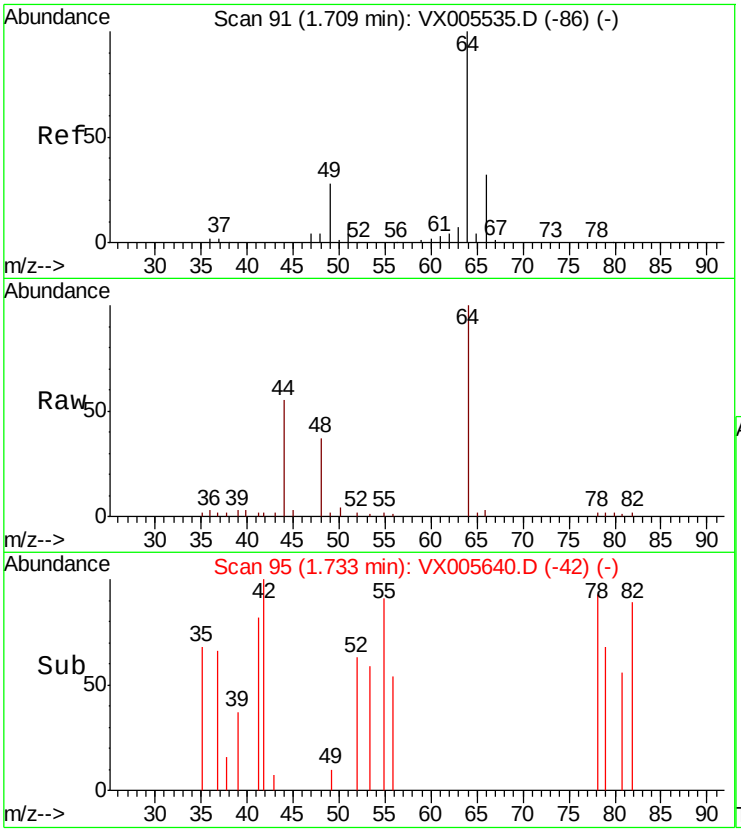




#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 94 Resp: 400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 27.2 | 75.2 | 112.8# |



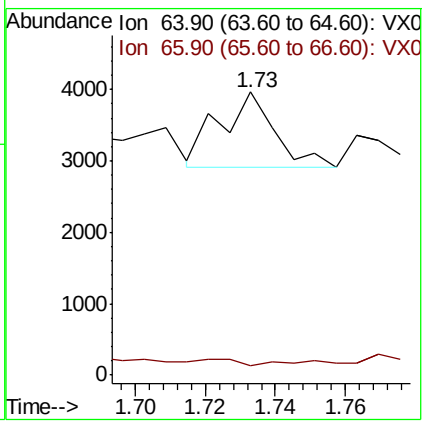


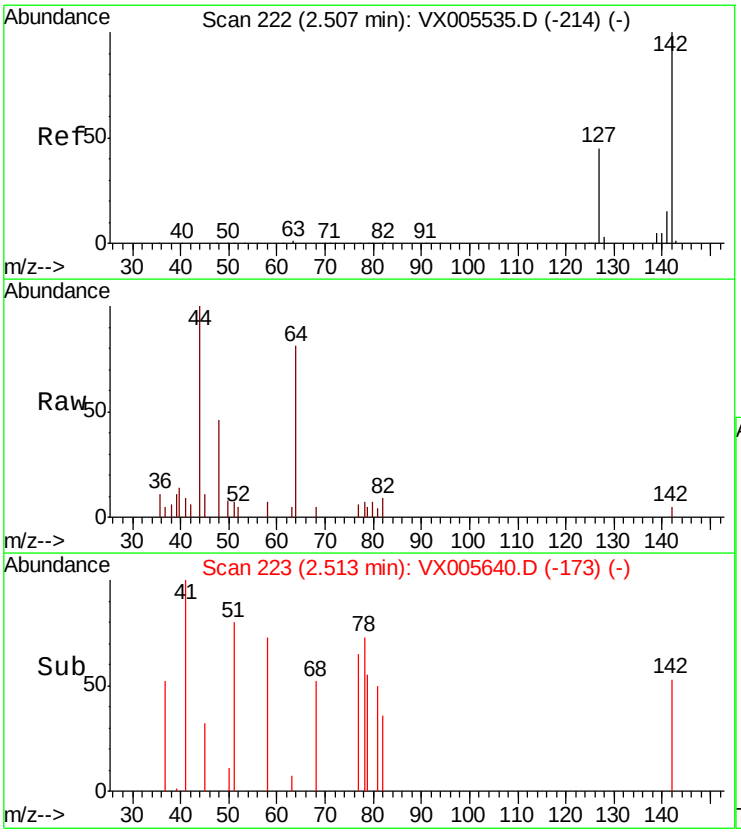

#6
Chloroethane
Concen: 0.629 ug/l
RT: 1.73 min Scan# 95
Delta R.T. 0.02 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 64 Resp: 1145

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

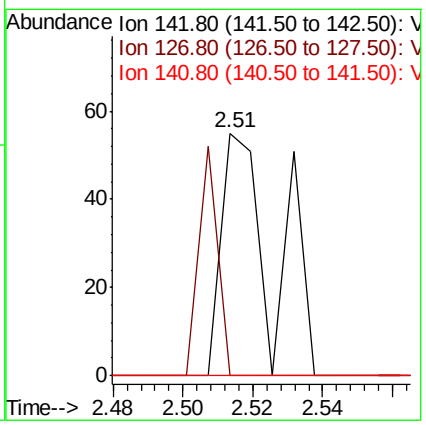


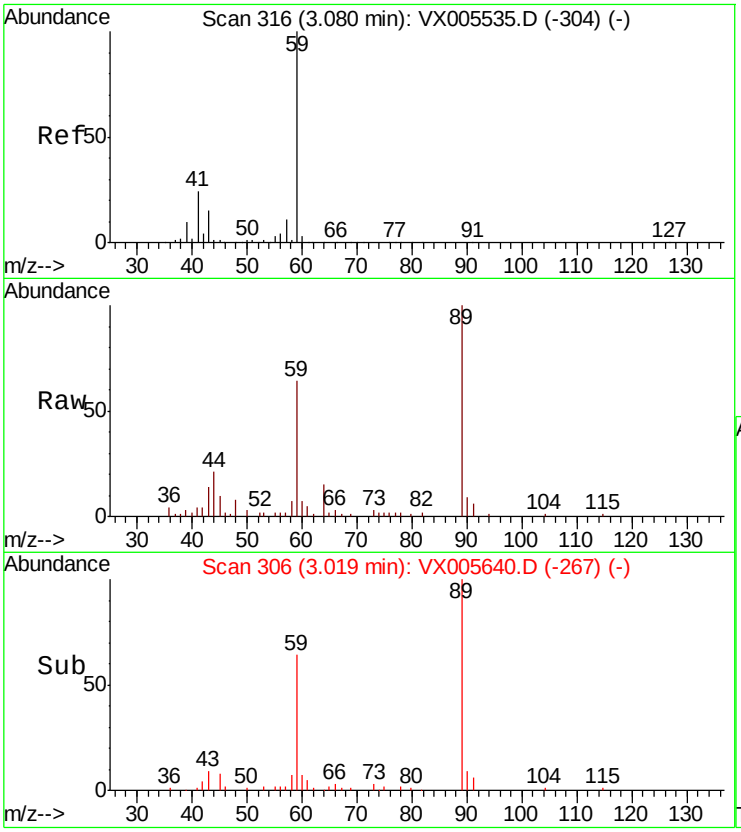




#10
Methyl Iodide
Concen: 2.748 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion:142 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 33.3 | 36.0 | 54.0# |
| 141 | 0.0 | 11.7 | 17.5# |



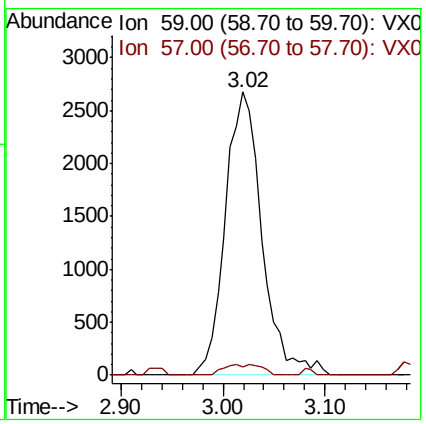


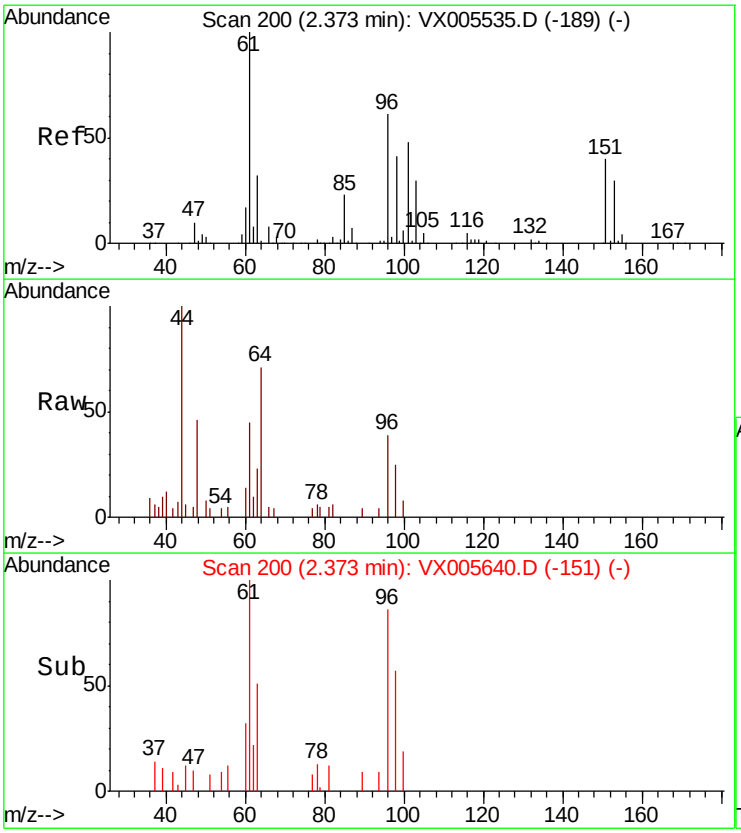

#11
Tert butyl alcohol
Concen: 8.799 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 59 Resp: 6668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.2 | 8.5 | 12.7# |

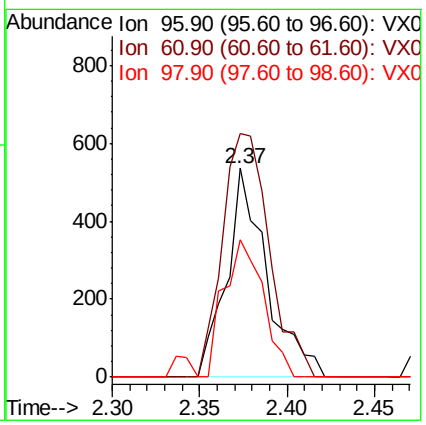


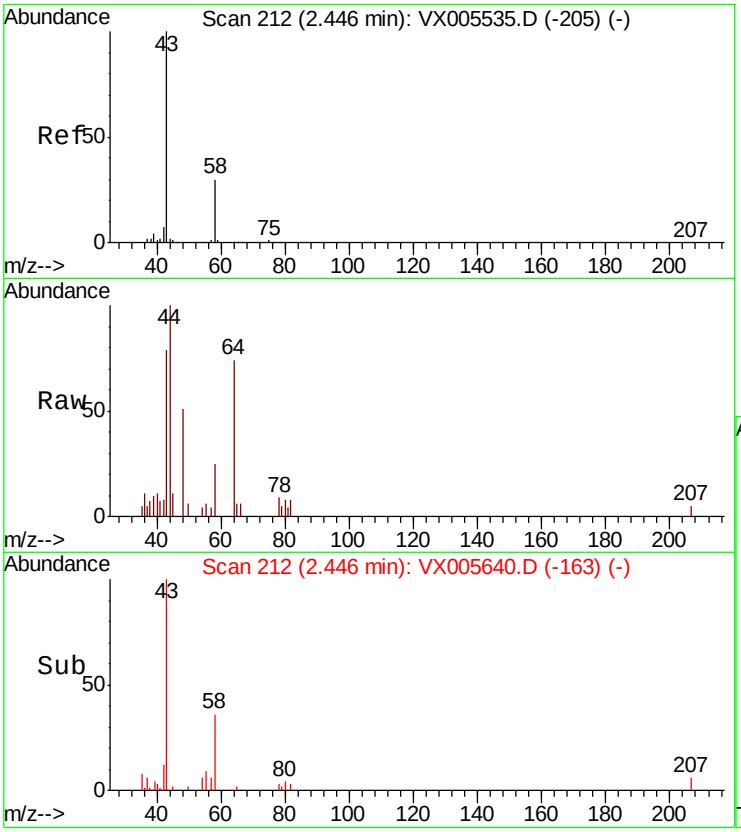




#12
1,1-Dichloroethene
Concen: 0.396 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 96 Resp: 857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 116.6 | 131.8 | 197.8# |
| 98 | 66.0 | 53.4 | 80.2 |



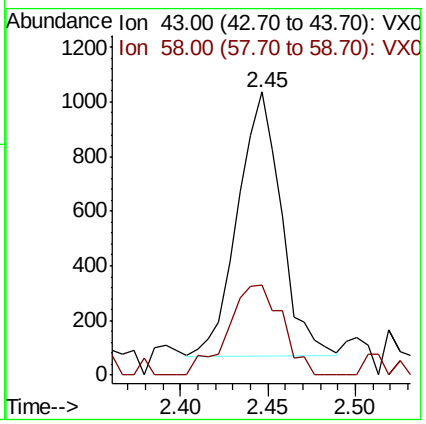


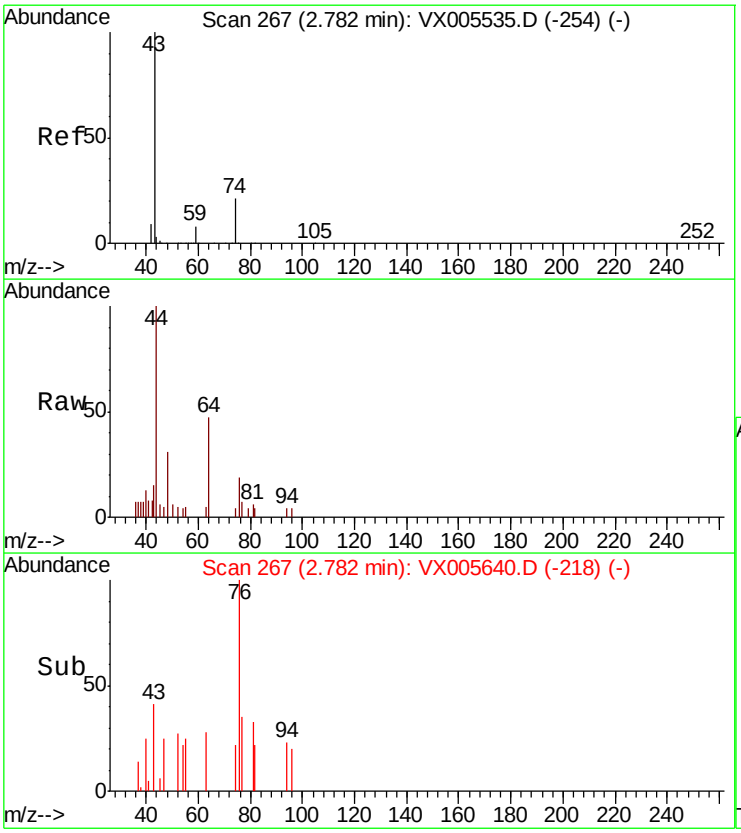

#16
Acetone
Concen: 1.125 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 43 Resp: 1674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.0 | 23.8 | 35.6 |

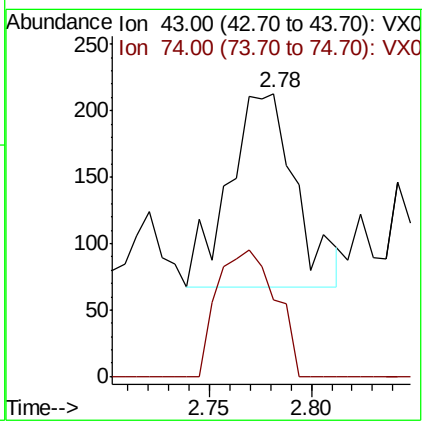


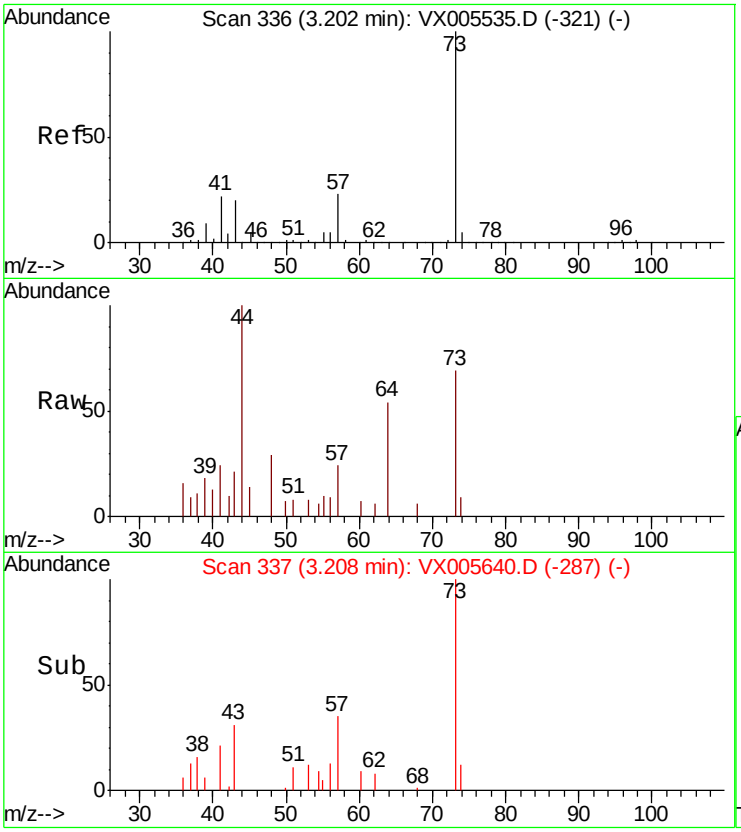




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 43 Resp: 334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 56.6 | 16.8 | 25.2# |



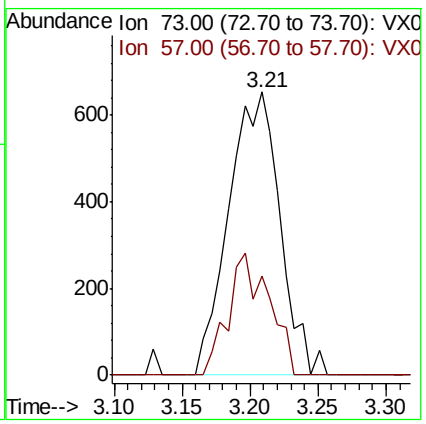


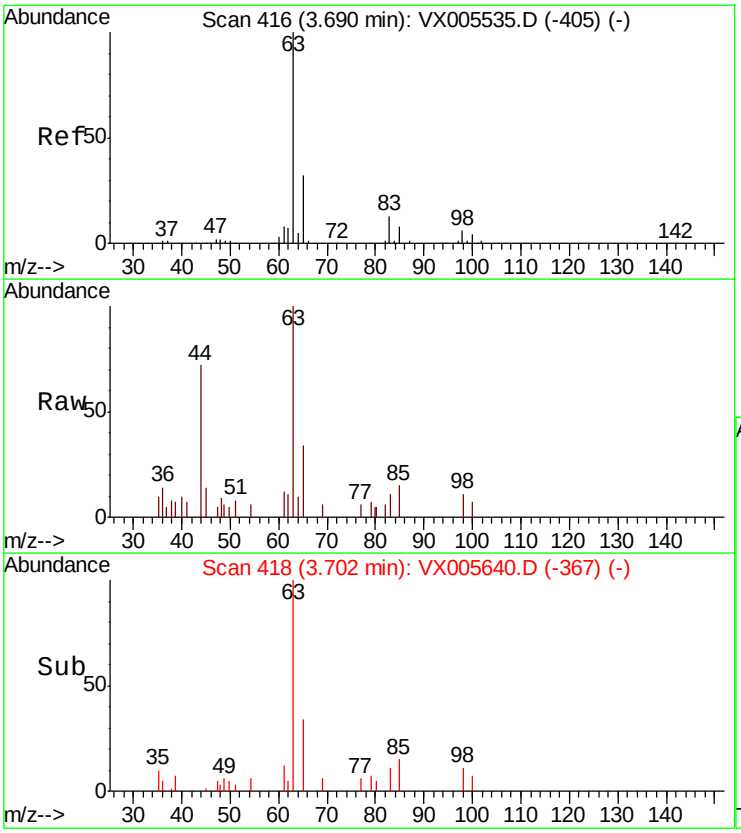

#19
Methyl tert-butyl Ether
Concen: 0.223 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 73 Resp: 1721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 34.9 | 18.8 | 28.2# |

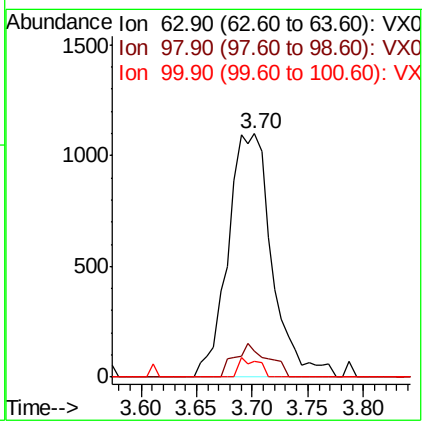


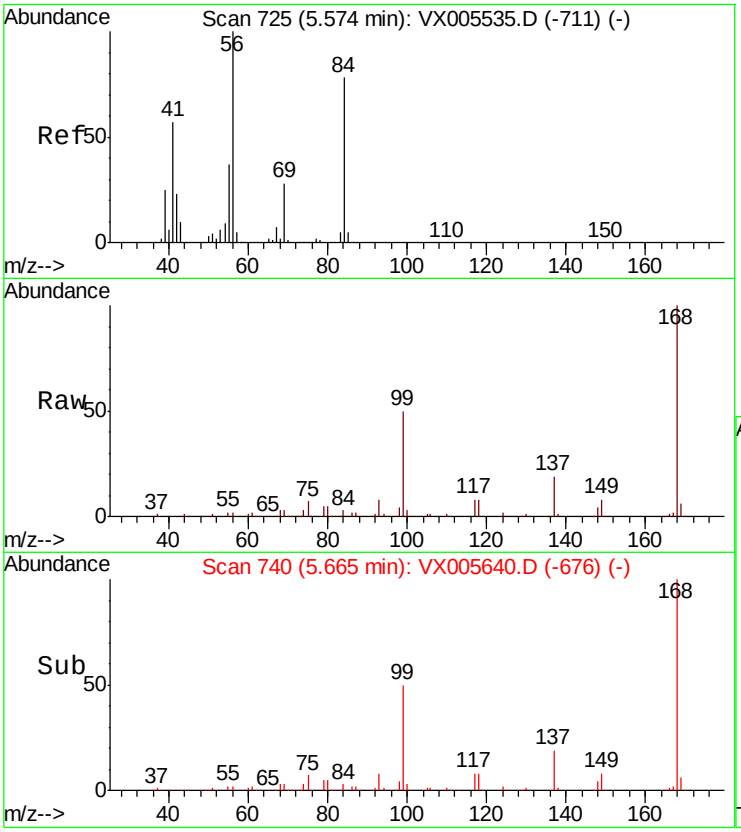




#24
1,1-Dichloroethane
Concen: 0.655 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 63 Resp: 3004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 10.9 | 3.2 | 9.6# |
| 100 | 6.6 | 2.1 | 6.2# |



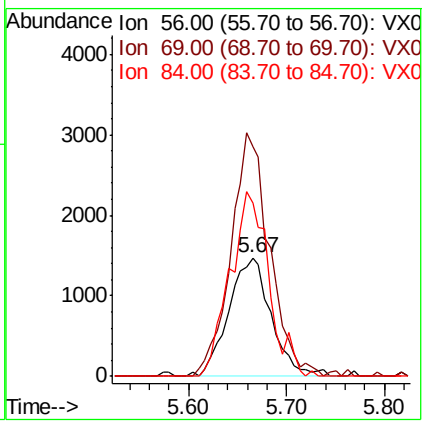


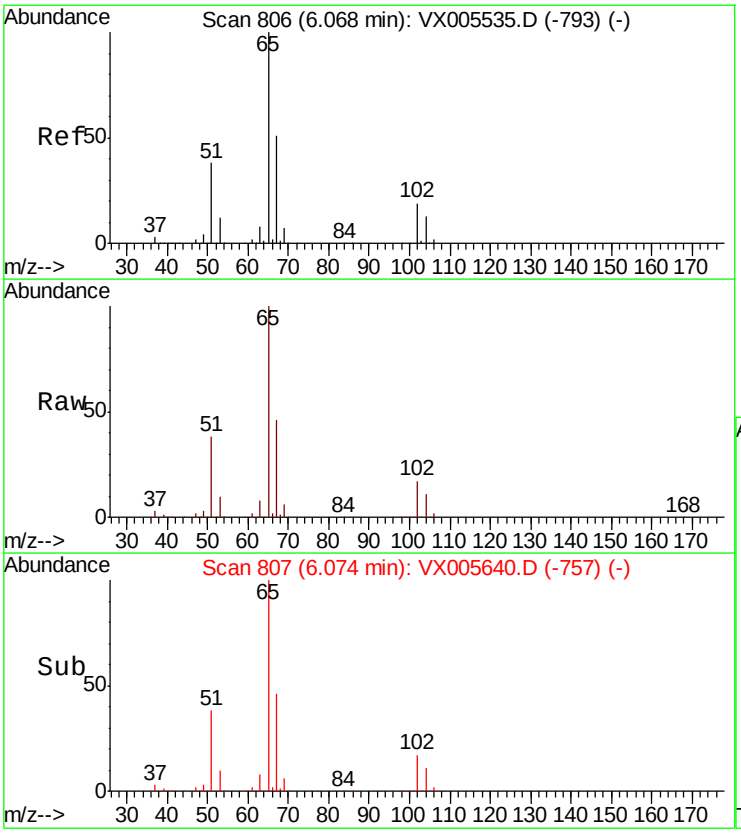

#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :** MSVOA_X
**ClientSampleId :** FT-PZ459I-20181025

Tgt Ion: 56 Resp: 4450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 193.4 | 22.6 | 34.0# |
| 84 | 146.5 | 62.7 | 94.1# |

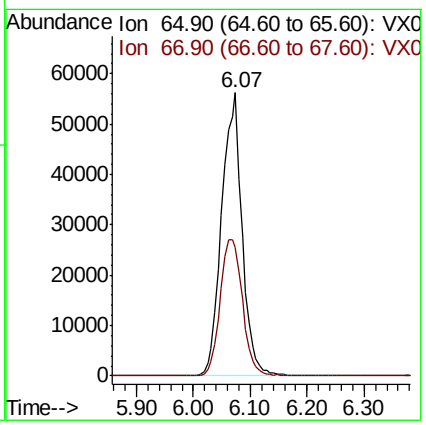


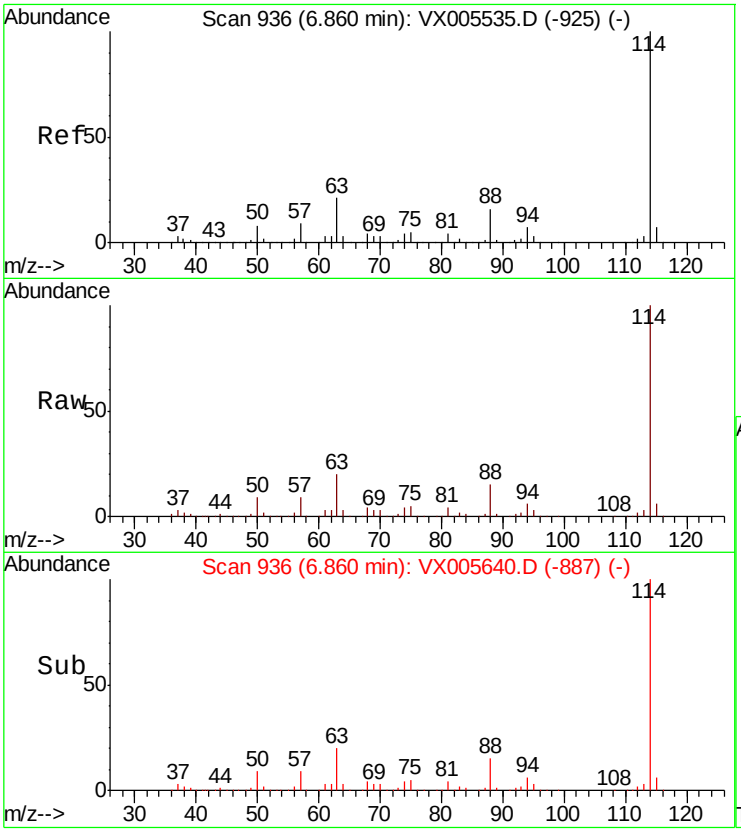




#33
1,2-Dichloroethane-d4
Concen: 49.997 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 65 Resp: 140800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 105.0 |



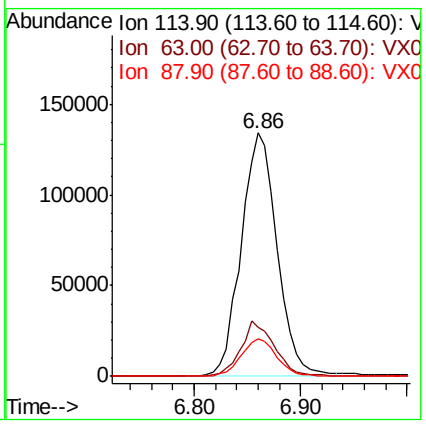


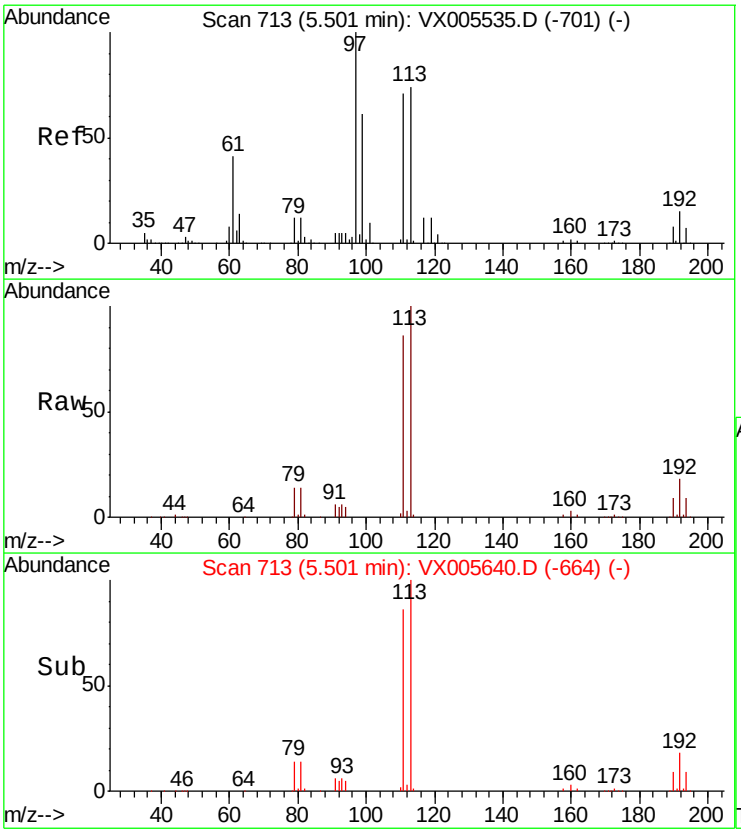

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion:114 Resp: 318609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 42.8 |
| 88 | 15.4 | 0.0 | 31.2 |

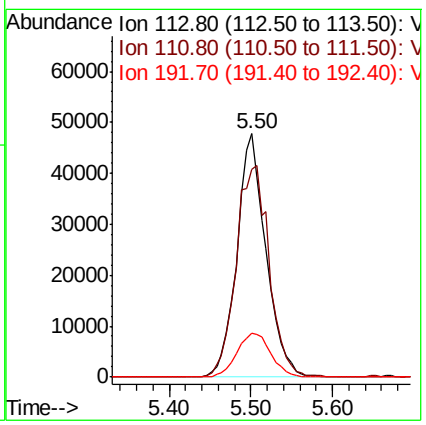


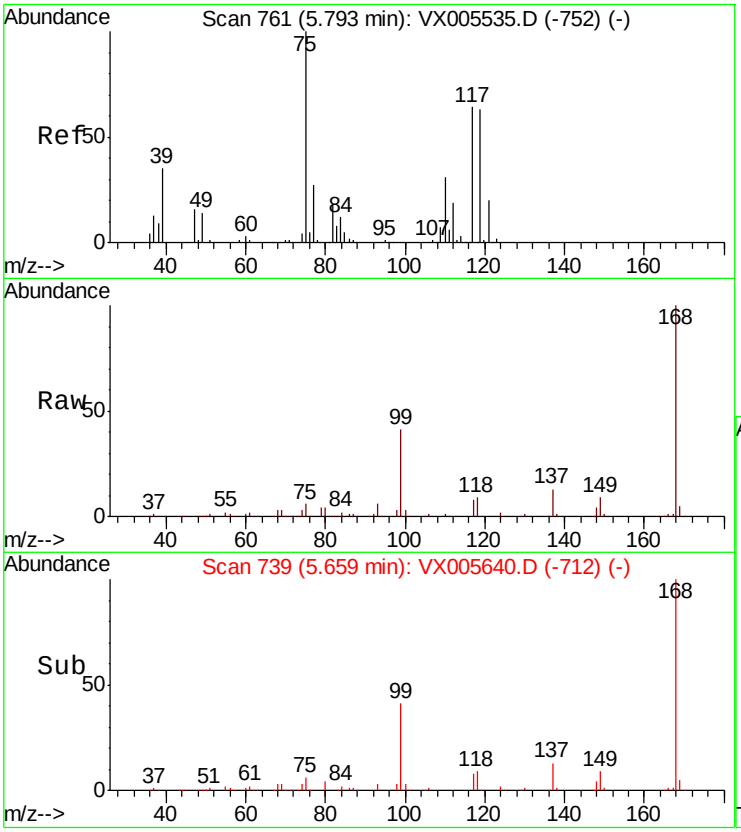




#35
Dibromofluoromethane
Concen: 54.680 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion:113 Resp: 117963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 98.9 | 82.3 | 123.5 |
| 192 | 21.4 | 17.9 | 26.9 |



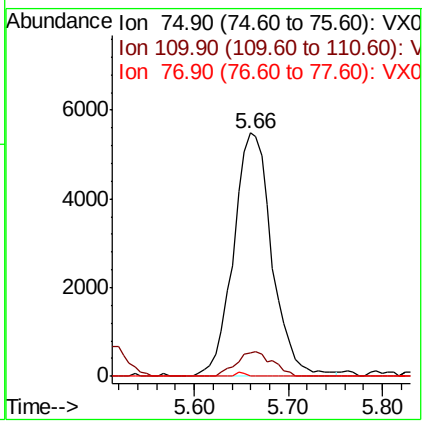


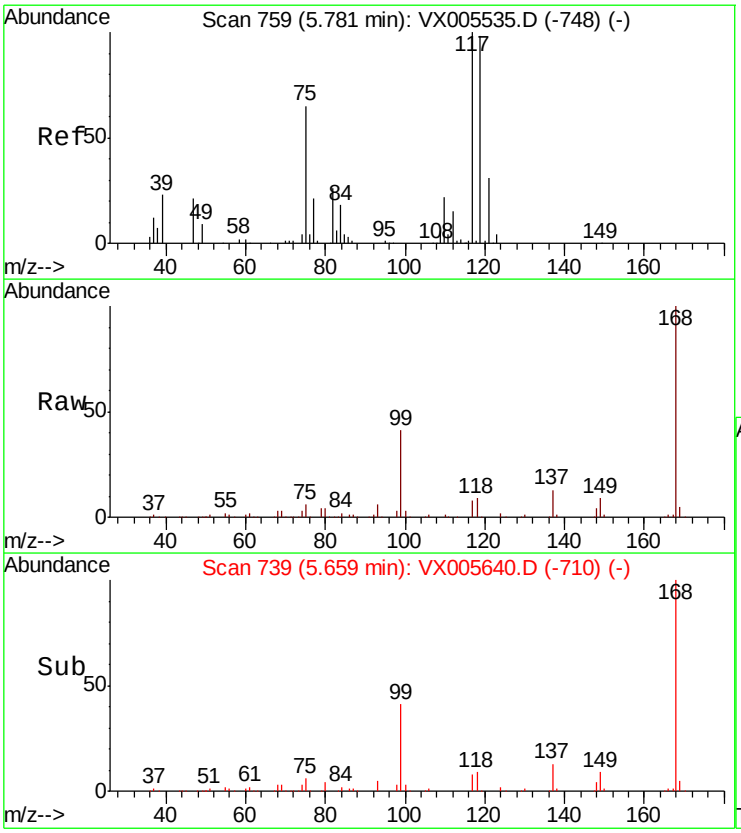

#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 75 Resp: 15650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 17.4 | 52.2# |
| 77 | 0.4 | 25.8 | 38.6# |

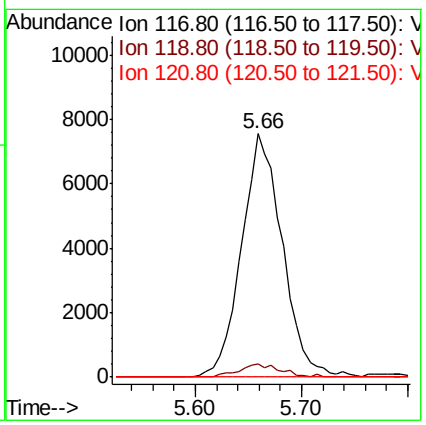


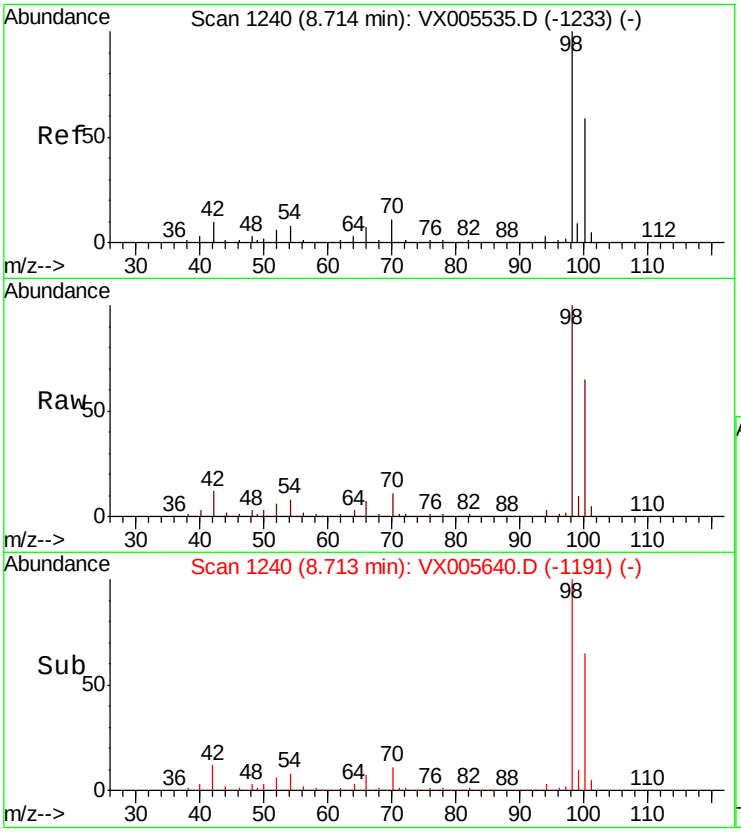




#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion:117 Resp: 20189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 78.1 | 117.1# |
| 121 | 0.0 | 24.6 | 36.8# |



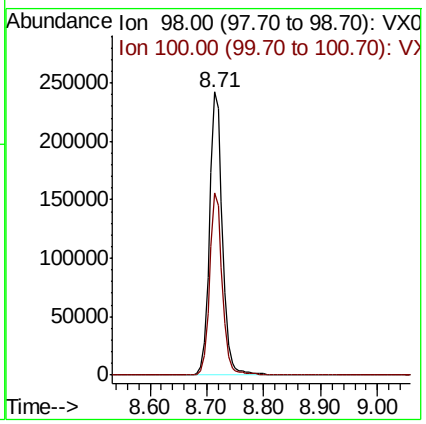


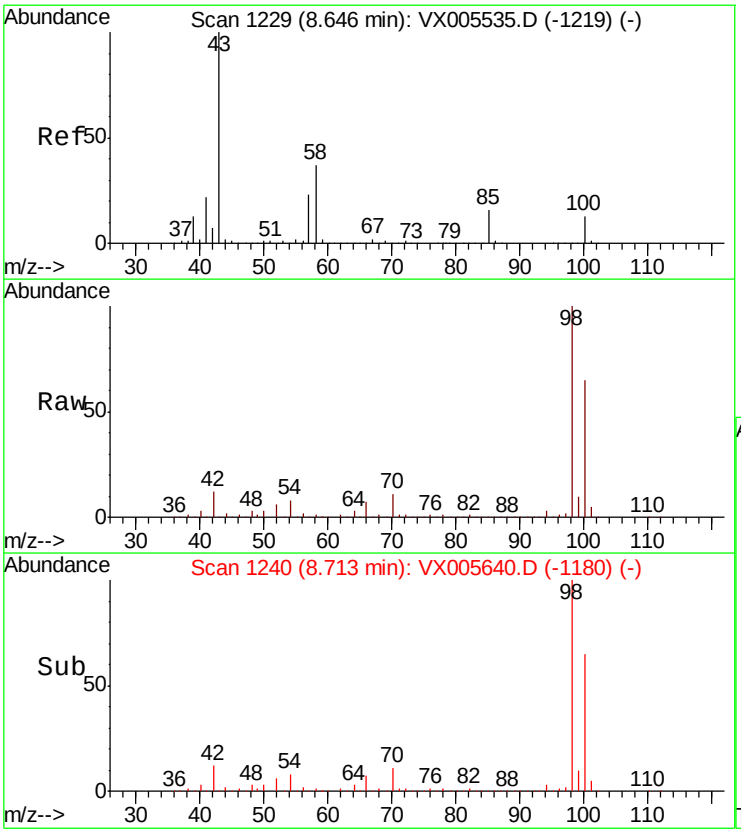

#50
Toluene-d8
Concen: 49.549 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 98 Resp: 384094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.2 | 51.3 | 76.9 |

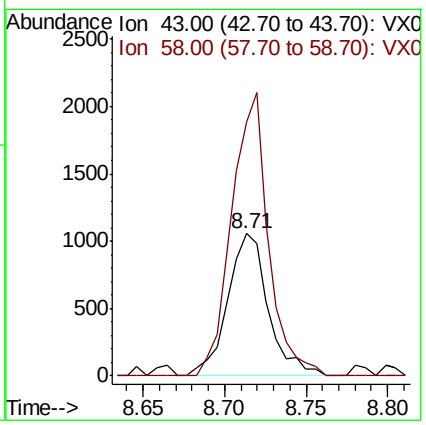


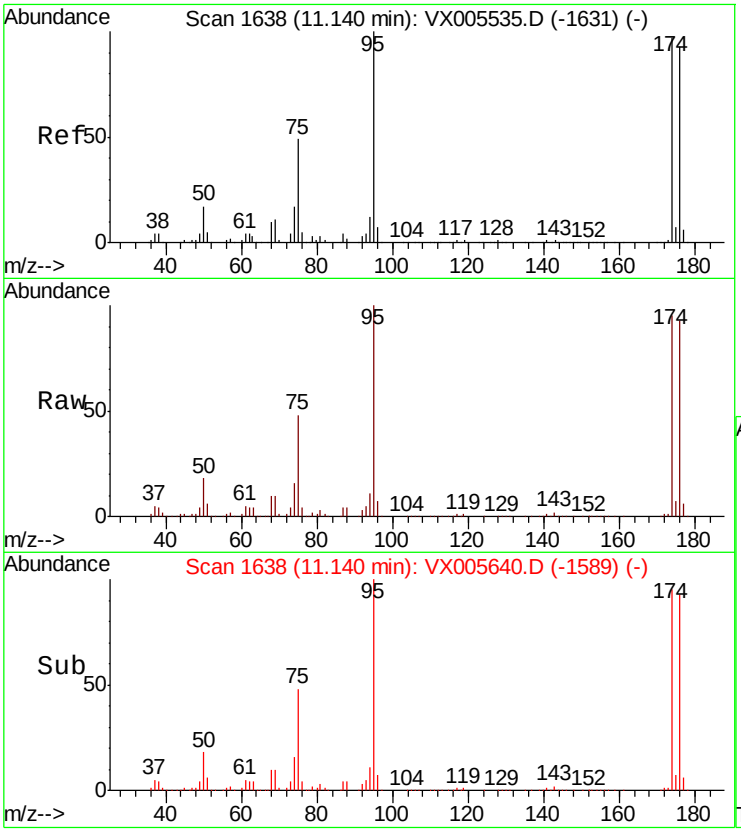




#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 43 Resp: 1836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 180.0 | 29.7 | 44.5# |



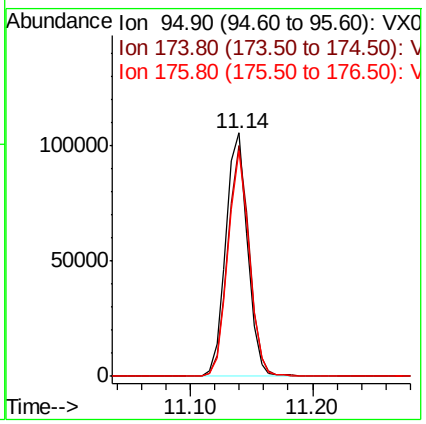


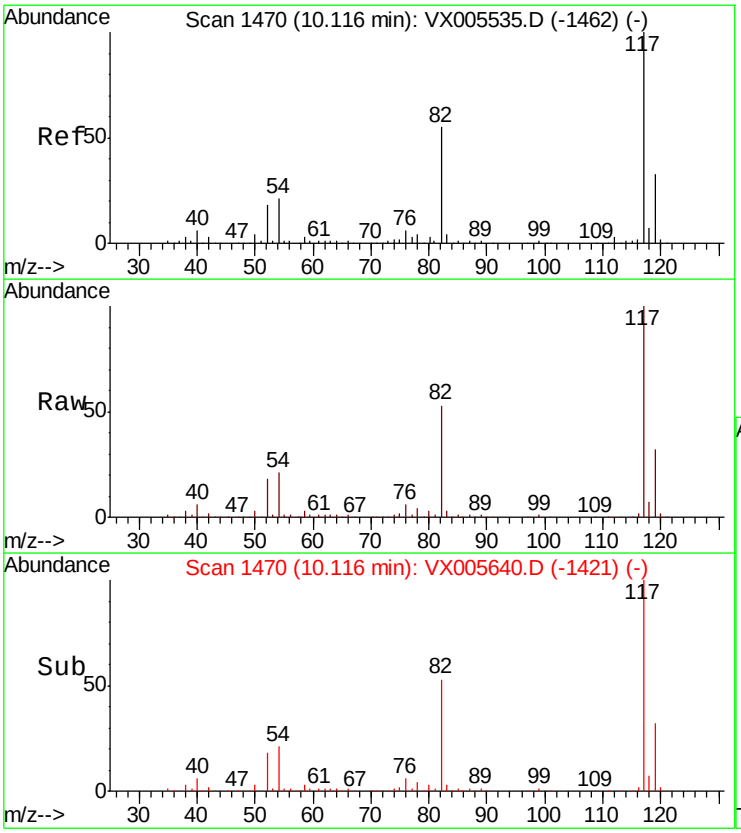

#62
4-Bromofluorobenzene
Concen: 44.384 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 95 Resp: 129932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.6 | 0.0 | 184.4 |
| 176 | 90.0 | 0.0 | 177.4 |

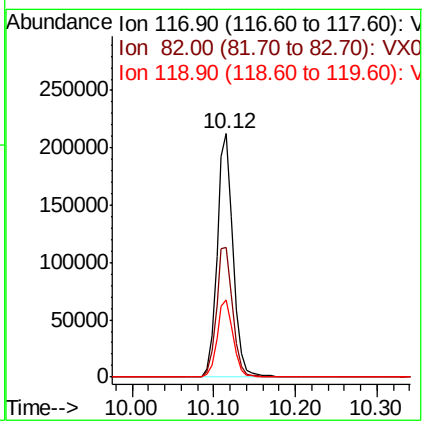


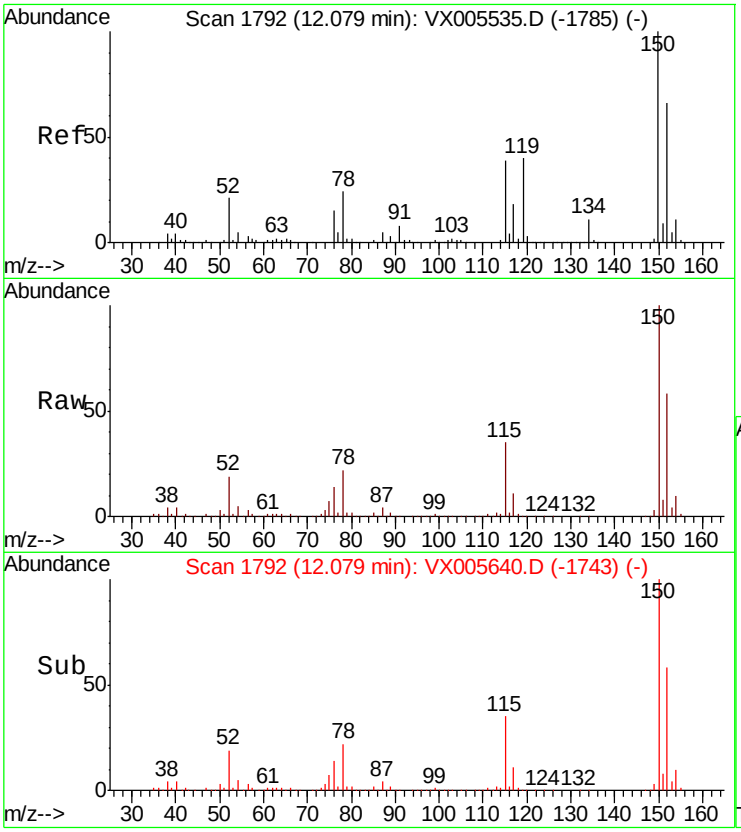




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion:117 Resp: 290220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 44.1 | 66.1 |
| 119 | 31.8 | 26.2 | 39.2 |



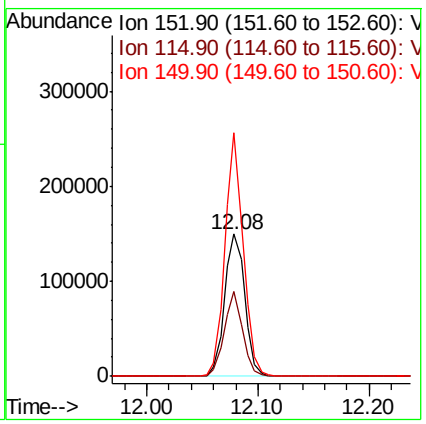


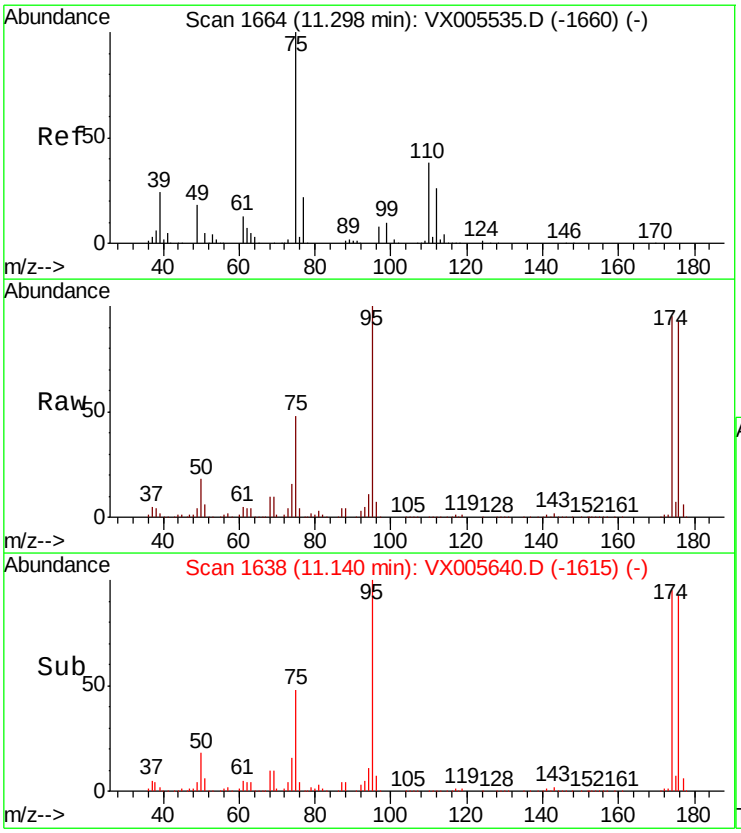

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion:152 Resp: 186729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.2 | 39.4 | 118.1 |
| 150 | 154.8 | 0.0 | 346.4 |

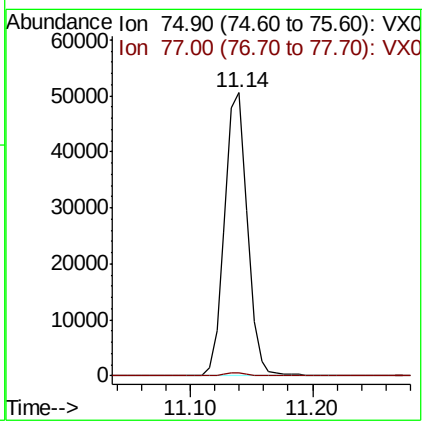


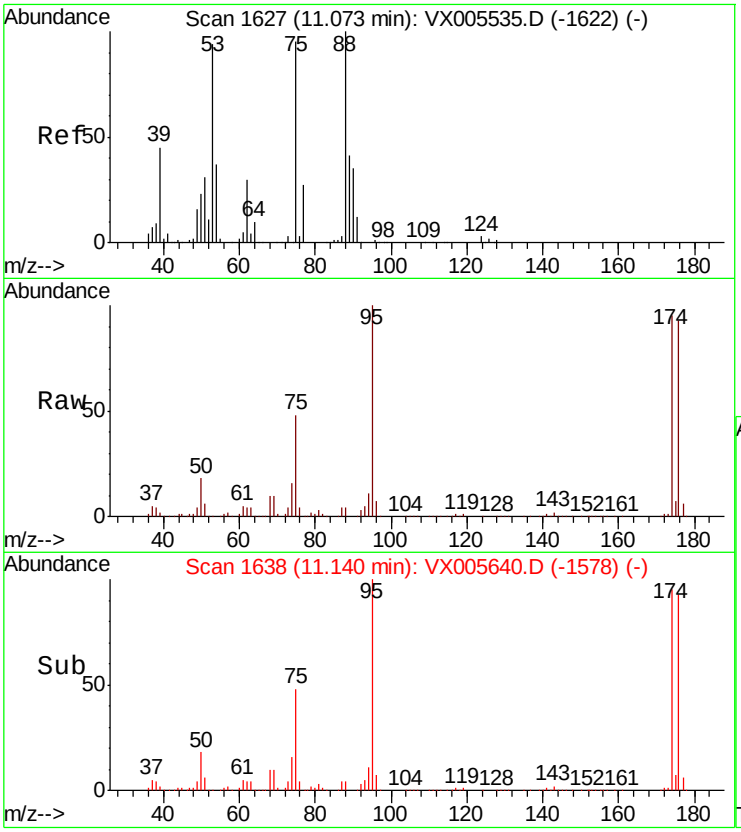




#76
1,2,3-Trichloropropane
Concen: 16.479 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 75 Resp: 65197

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






#81
trans-1,4-Dichloro-2-butene
Concen: 53.846 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
FT-PZ459I-20181025

Tgt Ion: 75 Resp: 65197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 80.2 | 120.2# |
| 89 | 0.0 | 39.8 | 59.8# |