Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001466.D
Acq On : 07 May 2018 15:20
Operator : JC/MD
Sample : J2659-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BPS1-TT-MW303I2-20180428RE

Quant Time: May 08 06:06:33 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 266530 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 364546 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 318042 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 171546 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 213828 | 55.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.64% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 163760 | 50.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.00% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 587693 | 49.65 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.30% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 191450 | 42.14 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 84.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.65 | 94 | 1156 | Below Cal | # | 79 |
| 10) Methyl Iodide | 2.52 | 142 | 1279 | 0.28 | ug/l # | 86 |
| 11) Tert butyl alcohol | 3.03 | 59 | 1775 | 2.20 | ug/l # | 80 |
| 13) Acrolein | 2.30 | 56 | 82 | Below Cal | | 97 |
| 16) Acetone | 2.45 | 43 | 8934 | 5.14 | ug/l | 97 |
| 20) Methylene Chloride | 2.86 | 84 | 1029 | 0.30 | ug/l # | 95 |
| 31) Cyclohexane | 5.67 | 56 | 4500 | 0.91 | ug/l # | 5 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 16587 | 3.58 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 23070 | 4.66 | ug/l # | 16 |
| 44) Trichloroethene | 7.22 | 130 | 5349 | 1.29 | ug/l | 93 |
| 49) 1,4-Dioxane | 7.77 | 88 | 164 | 1.79 | ug/l # | 31 |
| 60) Dibromochloromethane | 9.34 | 129 | 1066 | 0.29 | ug/l # | 11 |
| 64) Tetrachloroethene | 9.34 | 164 | 1235 | 0.28 | ug/l | 91 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 97186 | 27.93 | ug/l # | 38 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 97186 | 85.71 | ug/l # | 7 |

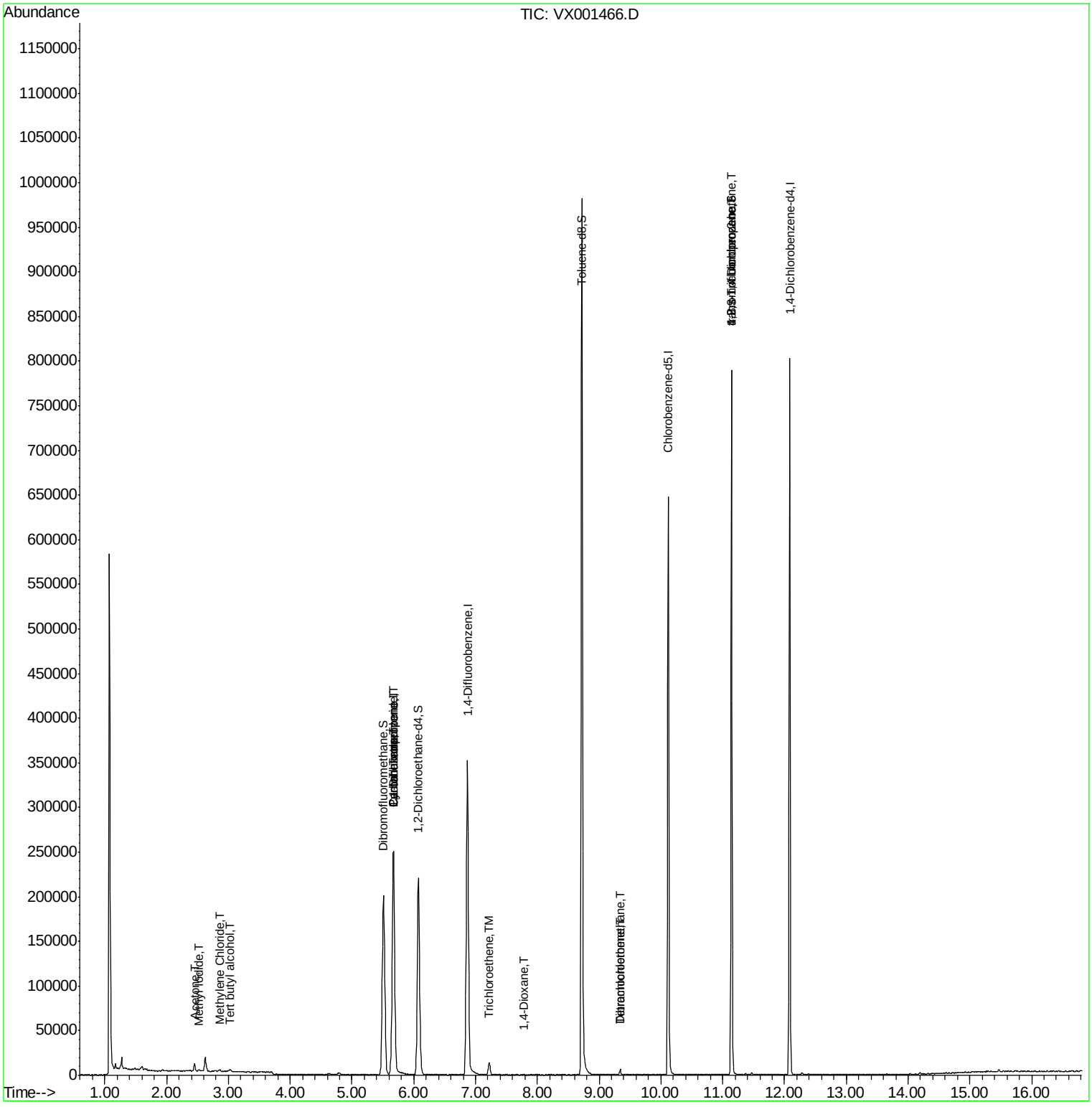
(#) = qualifier out of range (m) = manual integration (+) = signals summed

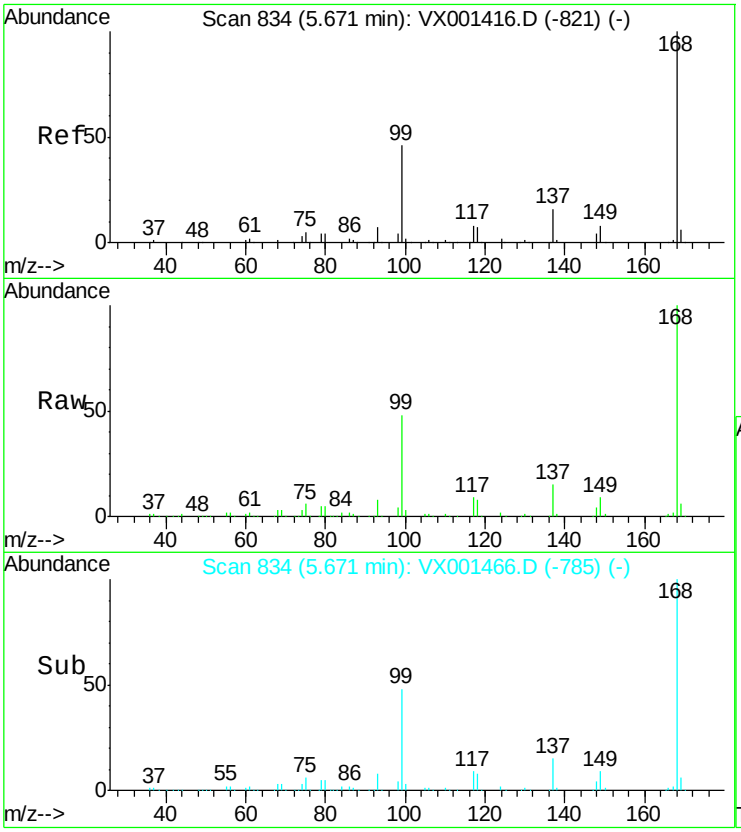
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001466.D
Acq On : 07 May 2018 15:20
Operator : JC/MD
Sample : J2659-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Quant Time: May 08 06:06:33 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration



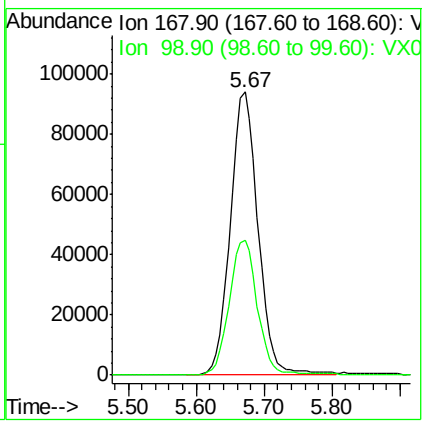


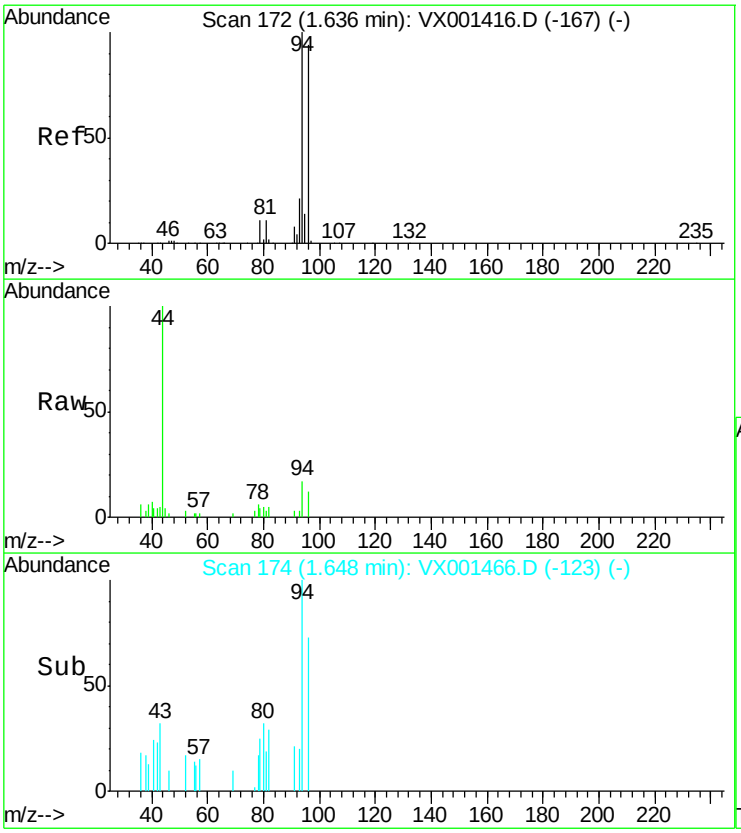

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:168 Resp: 266530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.6 | 36.6 | 54.8 |

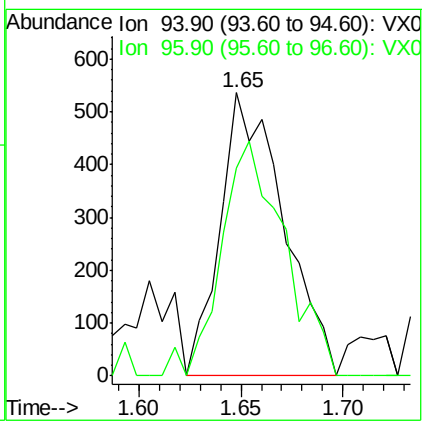


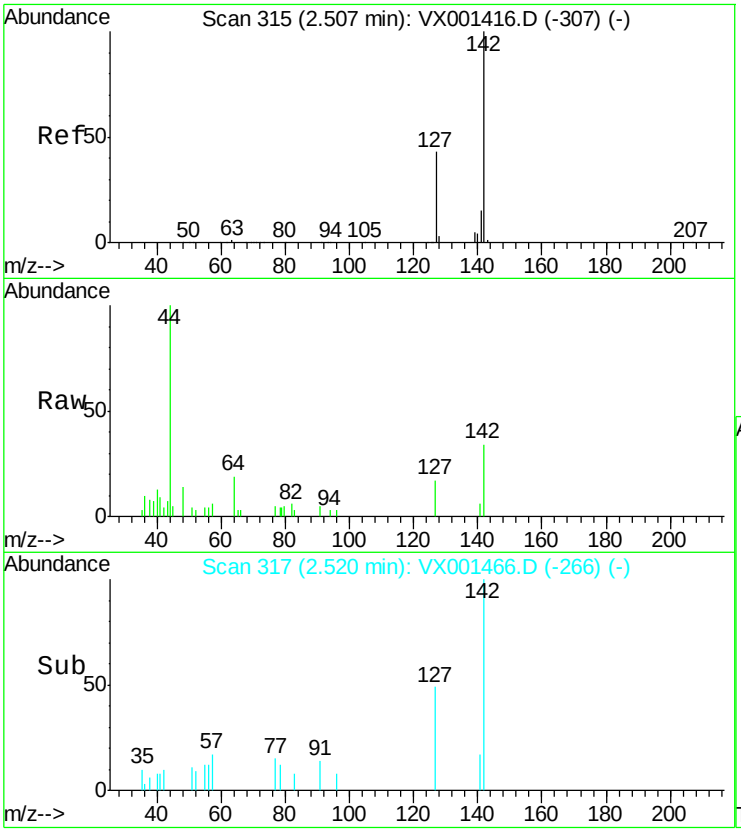




#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 94 Resp: 1156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 73.3 | 75.0 | 112.6# |



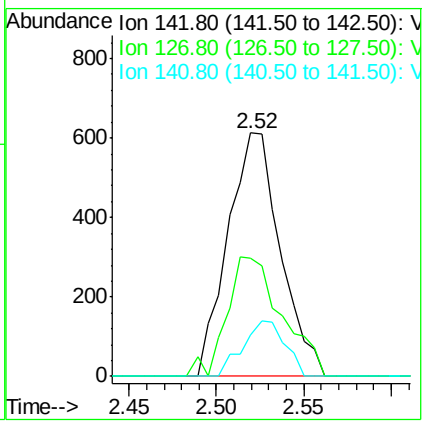


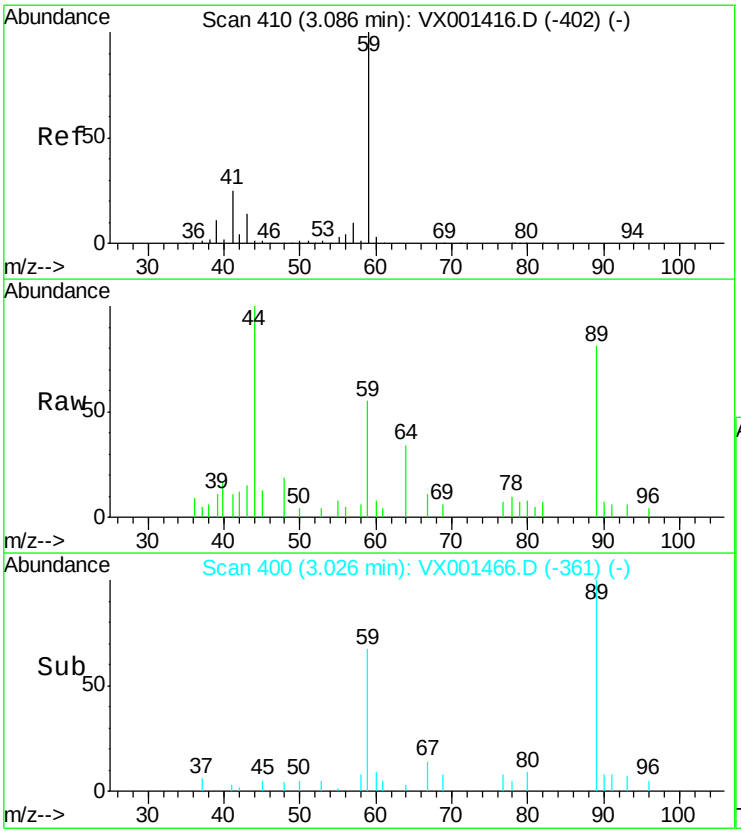

#10
Methyl Iodide
Concen: 0.28 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:142 Resp: 1279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.4 | 33.6 | 50.4# |
| 141 | 18.1 | 11.4 | 17.2# |

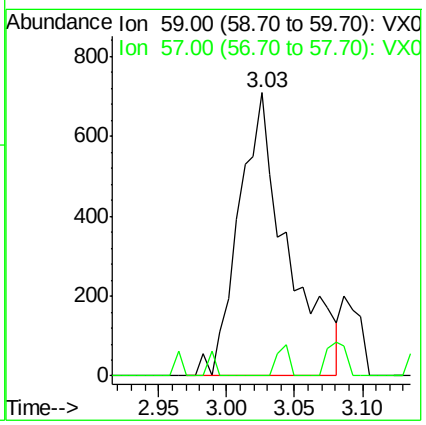


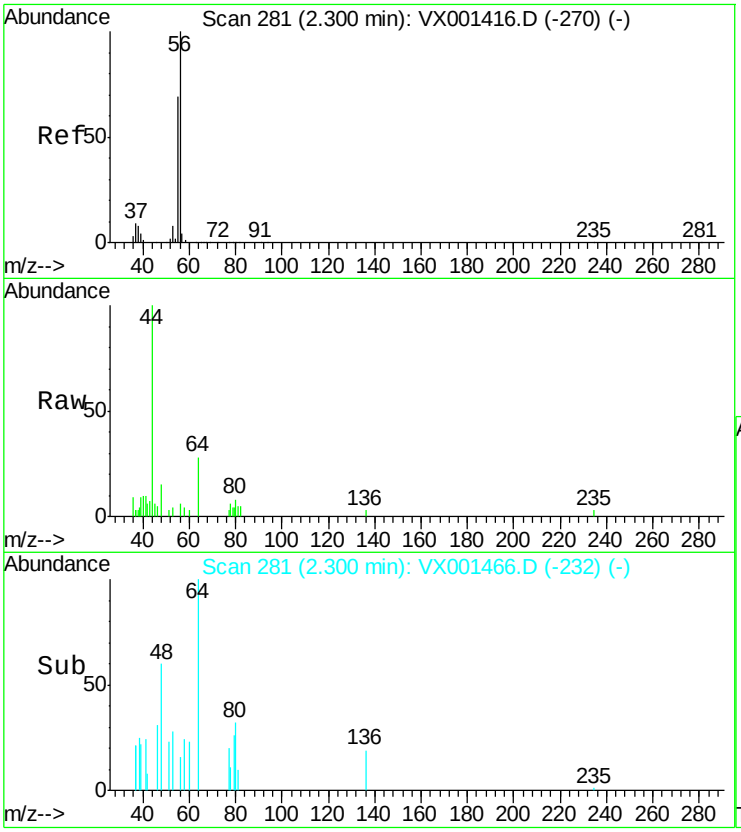




#11
Tert butyl alcohol
Concen: 2.20 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 59 Resp: 1775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.8 | 8.2 | 12.4# |



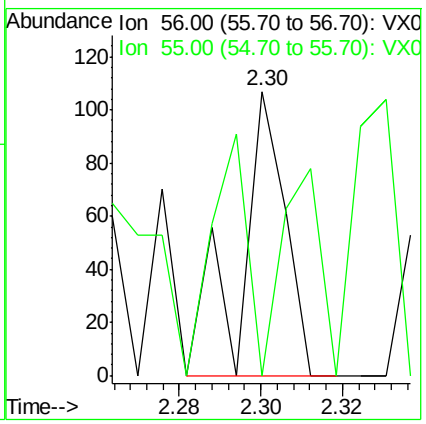


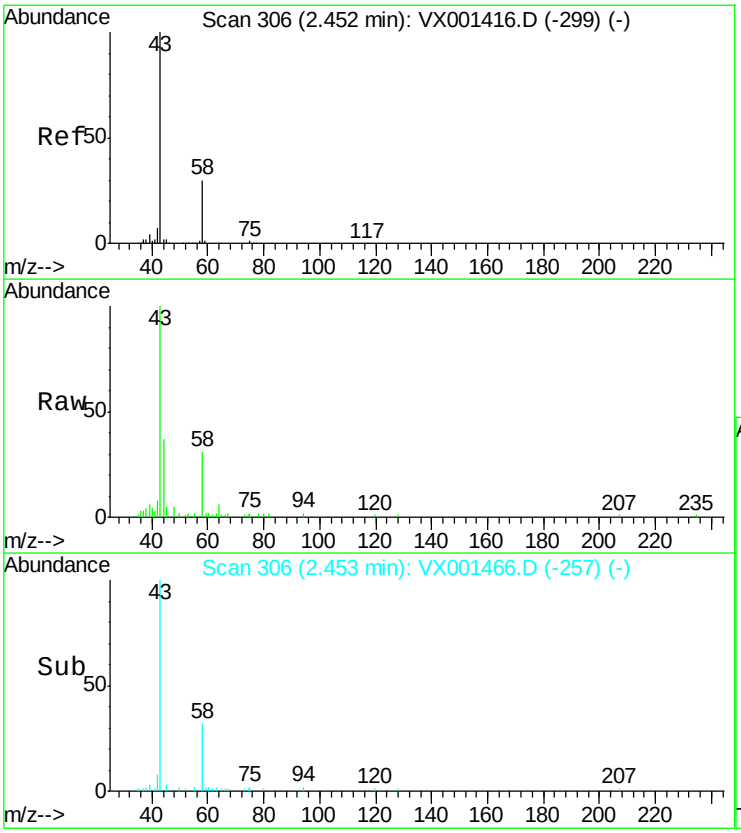

#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion: 56 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 65.9 | 54.5 | 81.7 |

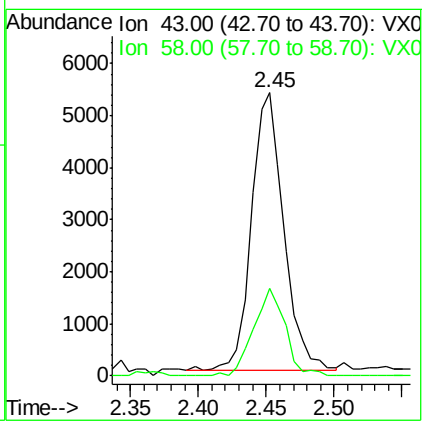


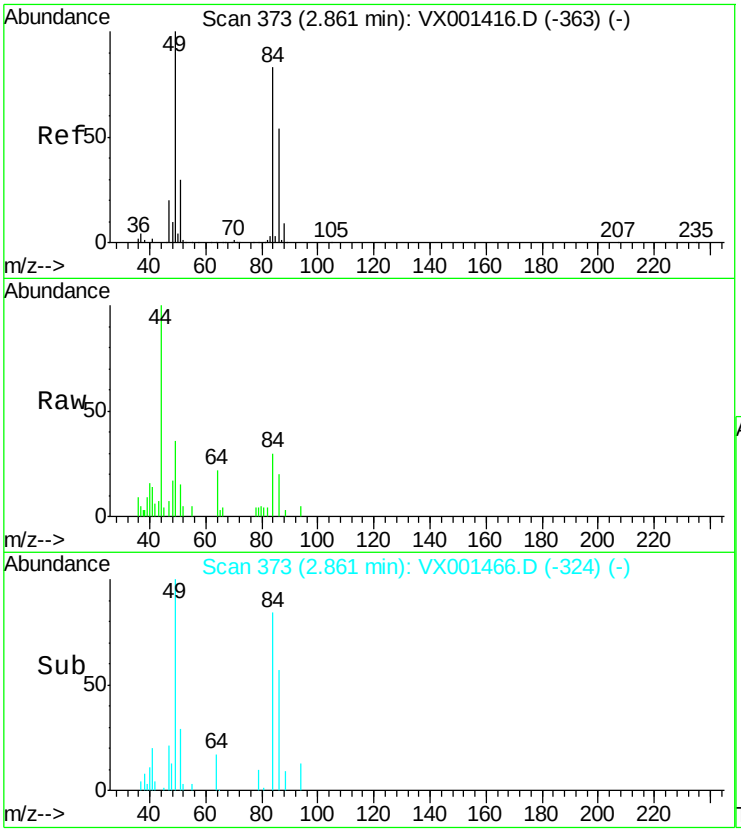




#16
Acetone
Concen: 5.14 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 43 Resp: 8934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 23.8 | 35.8 |



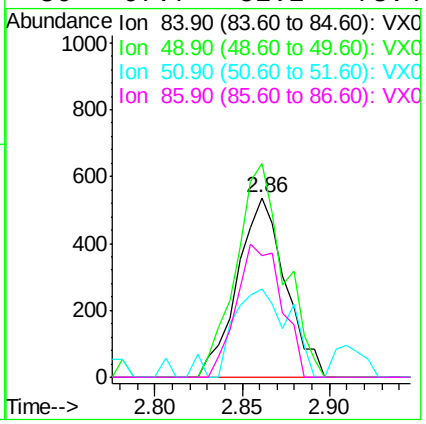


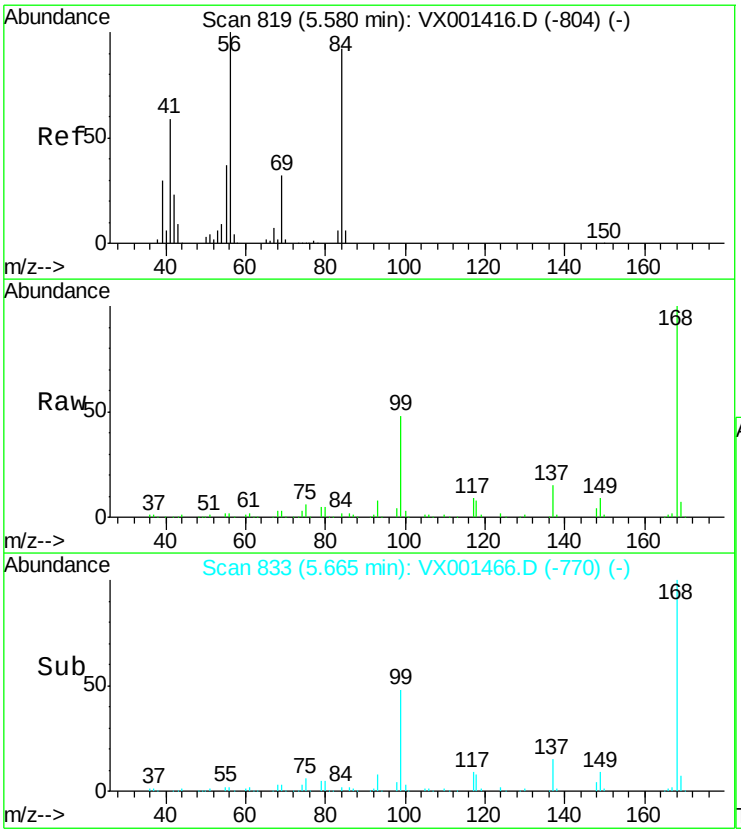

#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion: 84 Resp: 1029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.2 | 96.6 | 144.8 |
| 51 | 49.4 | 29.0 | 43.4# |
| 86 | 67.7 | 52.2 | 78.4 |

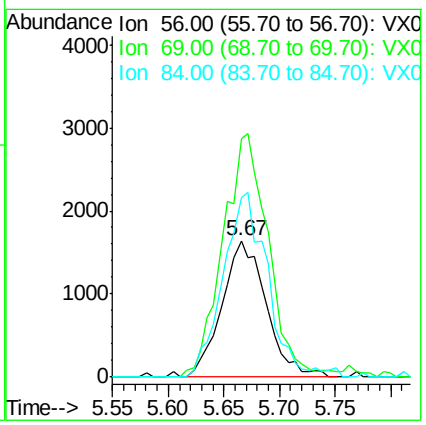


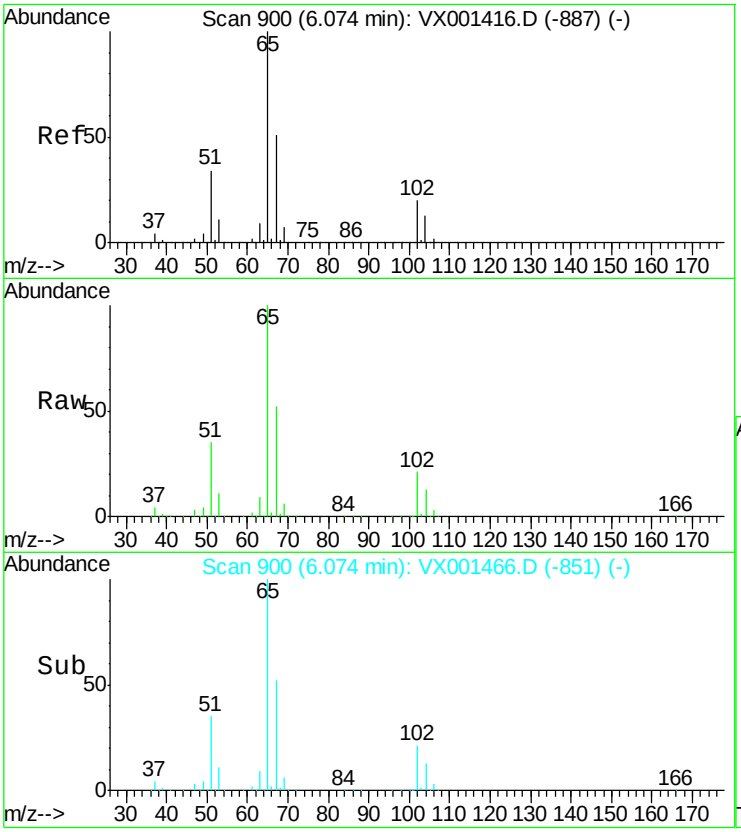




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 56 Resp: 4500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 170.2 | 25.4 | 38.0# |
| 84 | 131.9 | 73.8 | 110.8# |



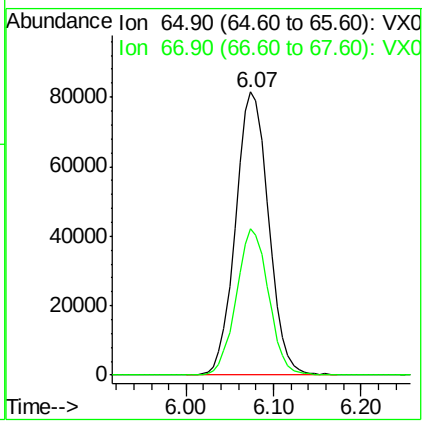


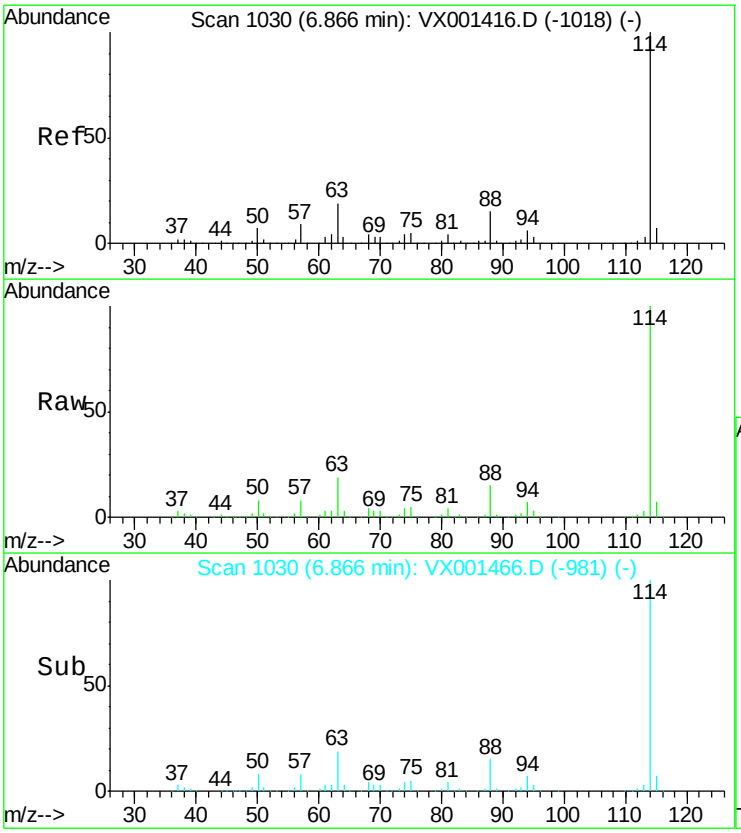

#33
1,2-Dichloroethane-d4
Concen: 55.82 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion: 65 Resp: 213828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 101.8 |

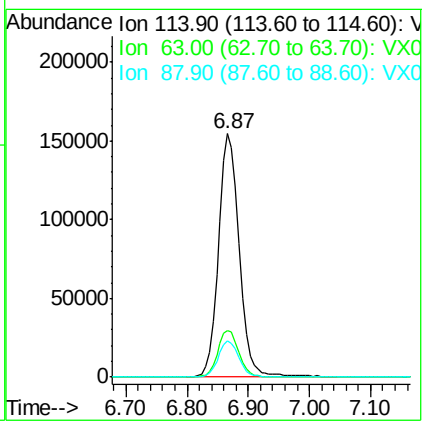


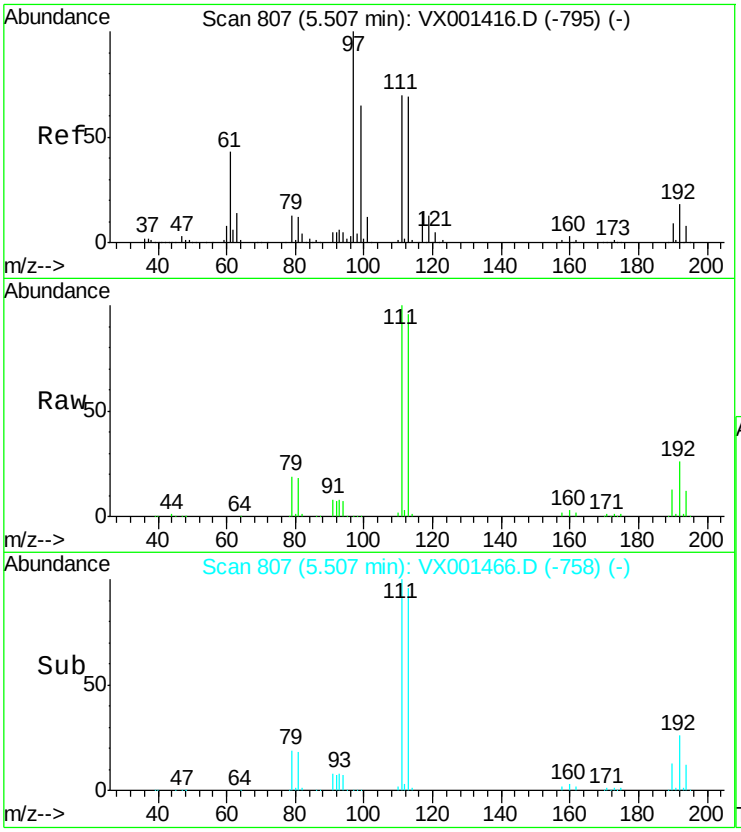




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion:114 Resp: 364546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 38.6 |
| 88 | 14.7 | 0.0 | 30.8 |



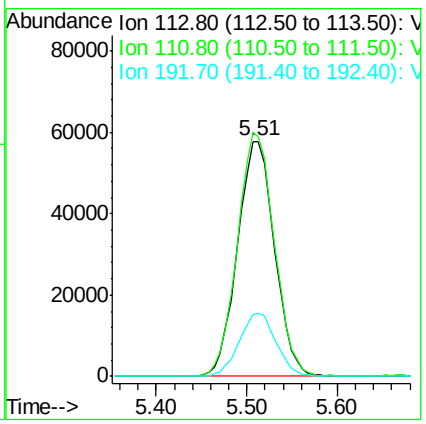


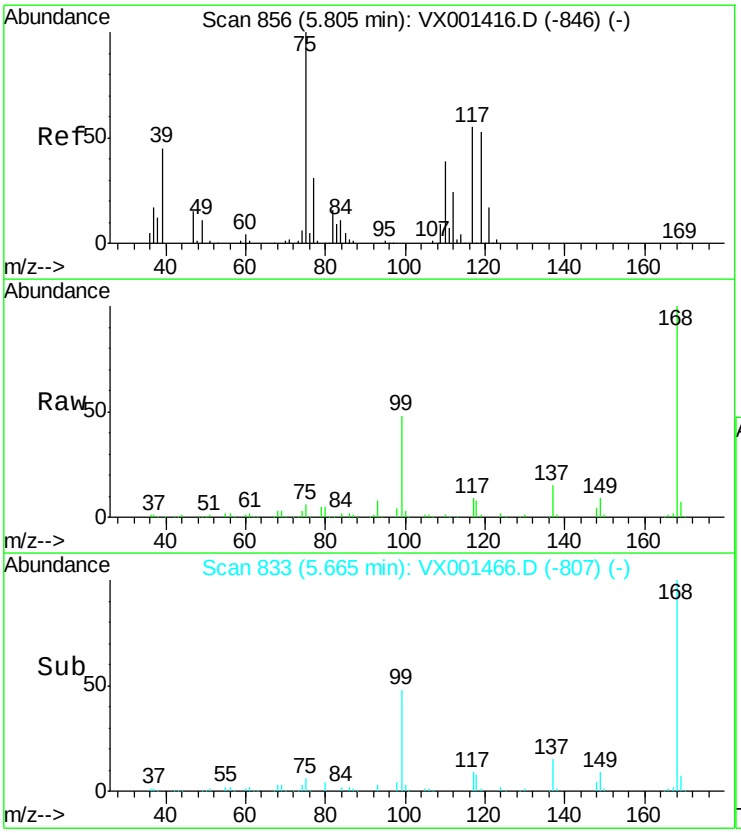

#35
Dibromofluoromethane
Concen: 50.50 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:113 Resp: 163760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 82.2 | 123.2 |
| 192 | 26.7 | 21.4 | 32.0 |

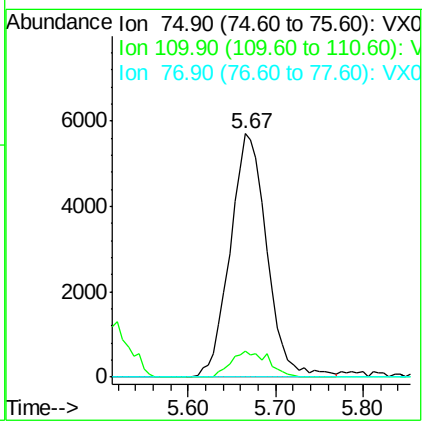


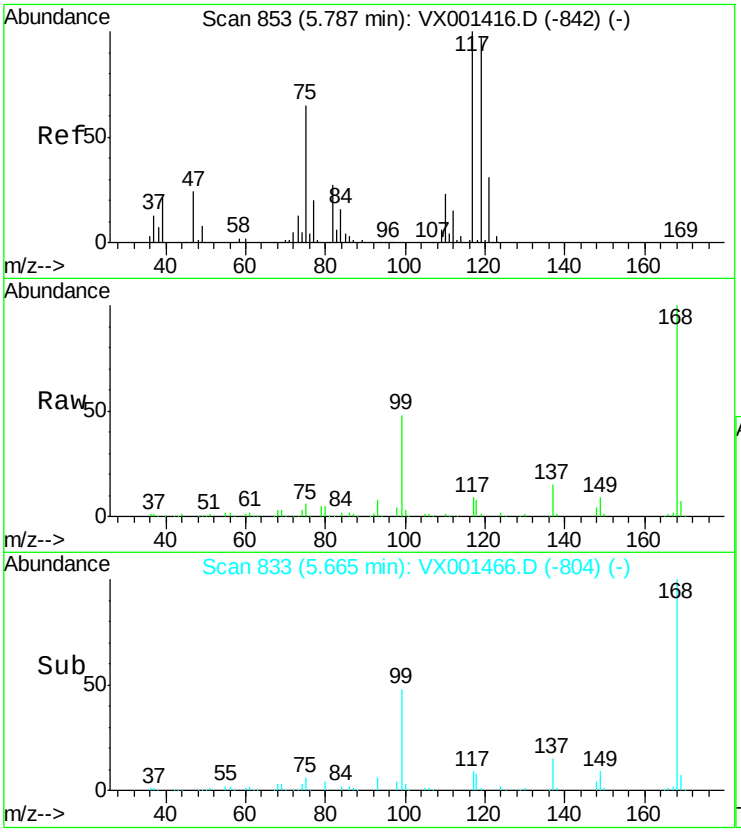




#36
1,1-Dichloropropene
Concen: 3.58 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.14 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 75 Resp: 16587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.9 | 18.9 | 56.7# |
| 77 | 0.0 | 24.9 | 37.3# |



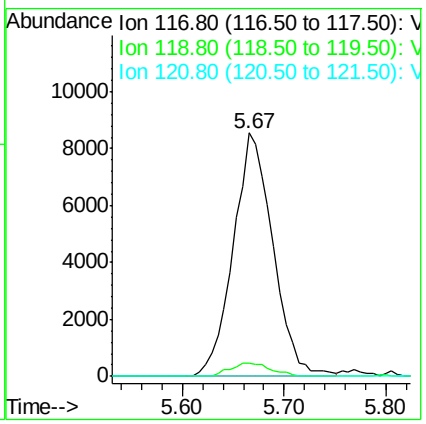


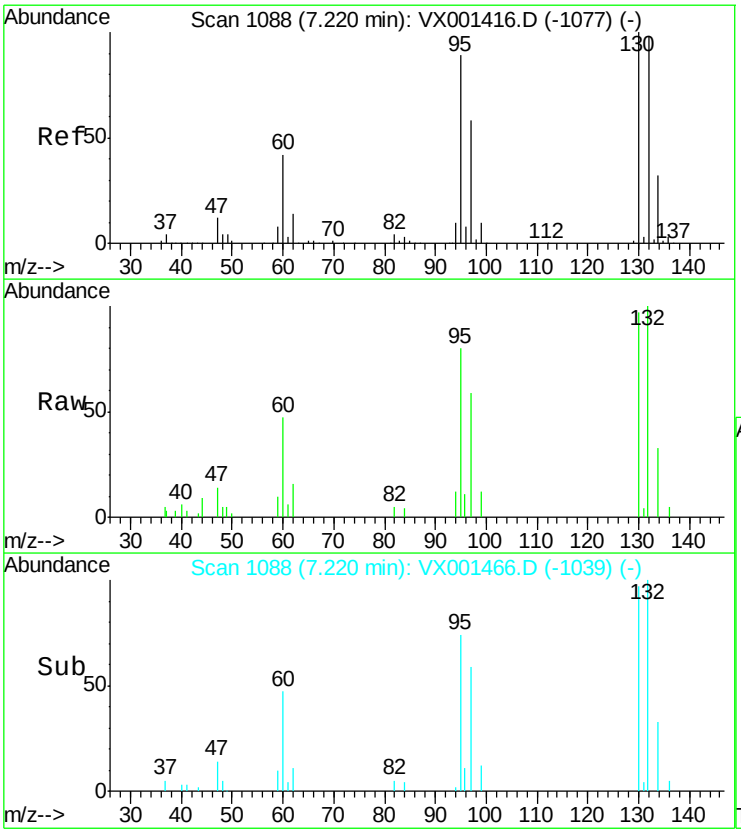

#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:117 Resp: 23070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 77.0 | 115.6# |
| 121 | 0.0 | 25.1 | 37.7# |

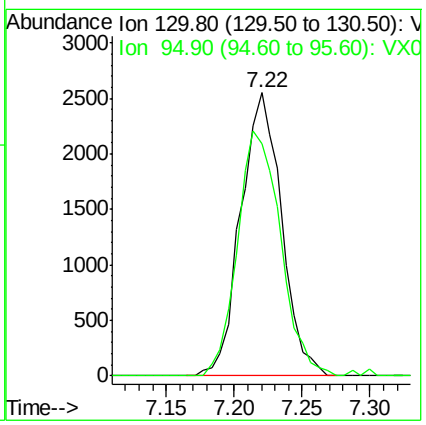


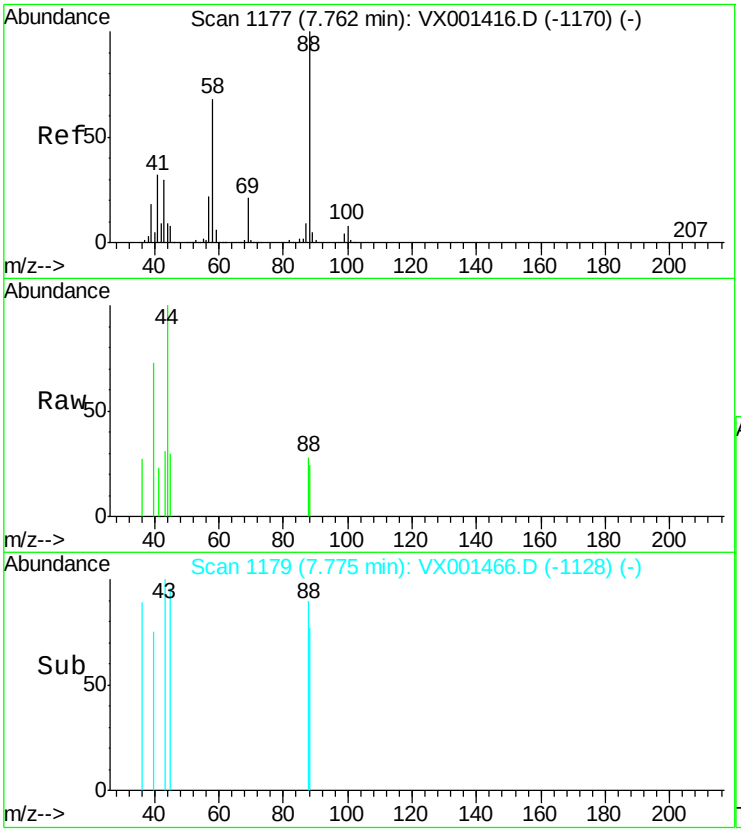




#44
Trichloroethene
Concen: 1.29 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion:130 Resp: 5349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 82.2 | 0.0 | 178.4 |



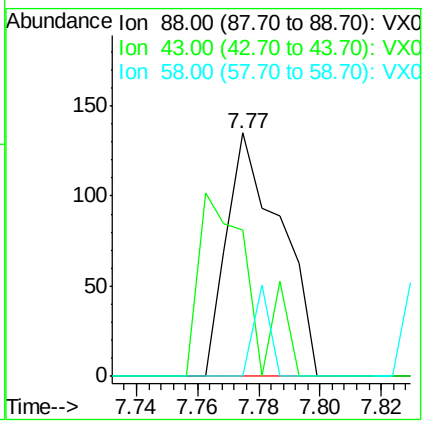


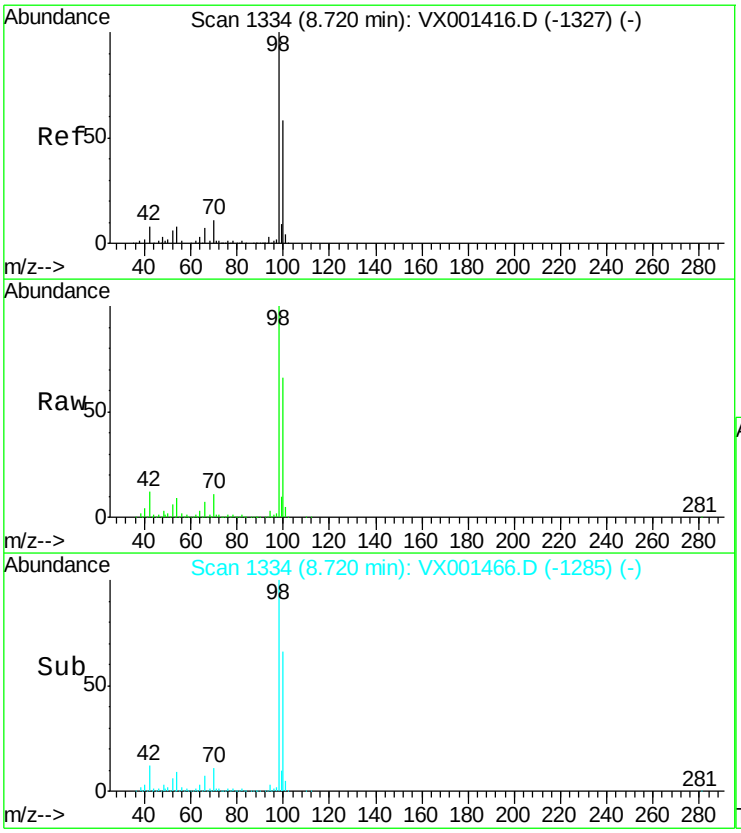

#49
1,4-Dioxane
Concen: 1.79 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion: 88 Resp: 164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 71.3 | 26.4 | 39.6# |
| 58 | 11.6 | 54.1 | 81.1# |

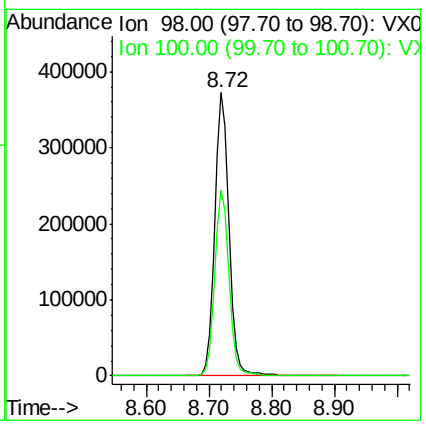


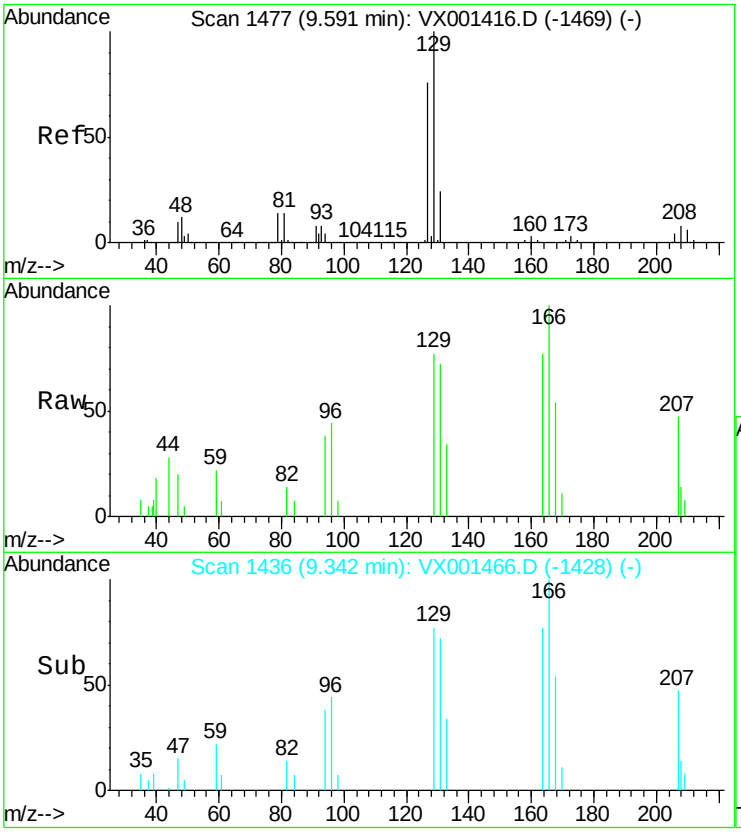




#50
Toluene-d8
Concen: 49.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 98 Resp: 587693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 54.0 | 81.0 |



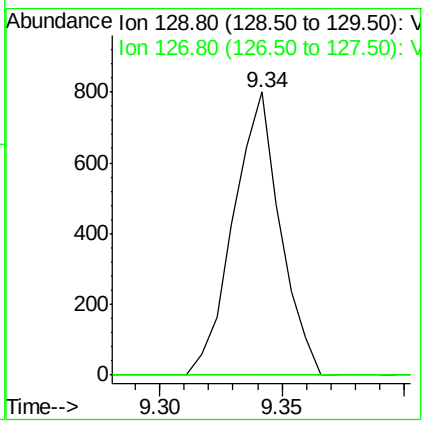


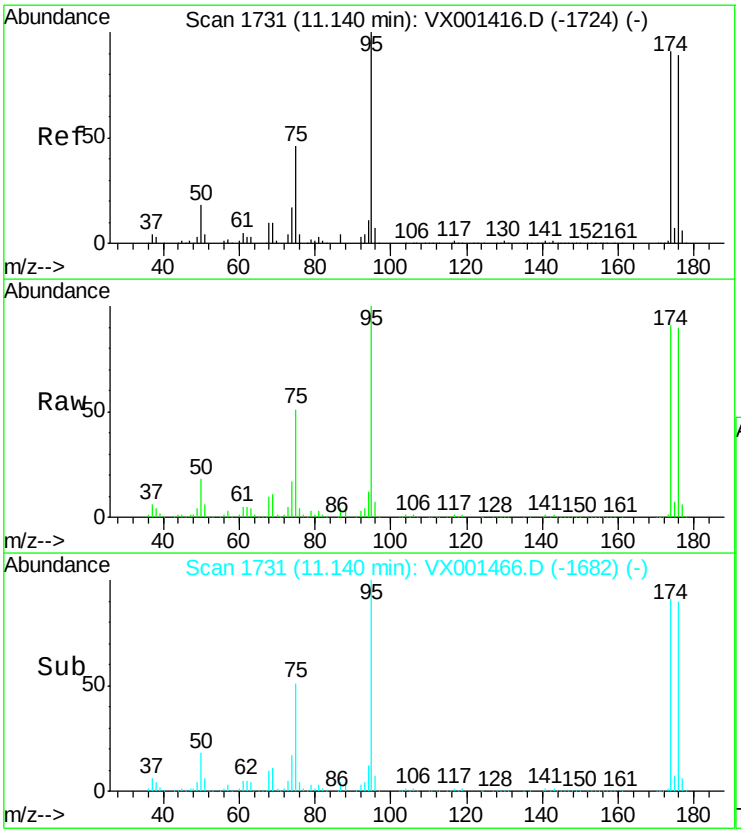

#60
Dibromochloromethane
Concen: 0.29 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:129 Resp: 1066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.1 | 114.5# |

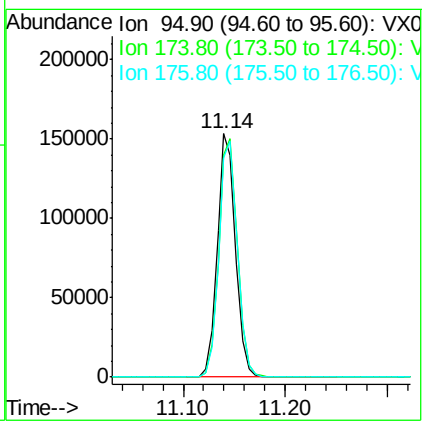


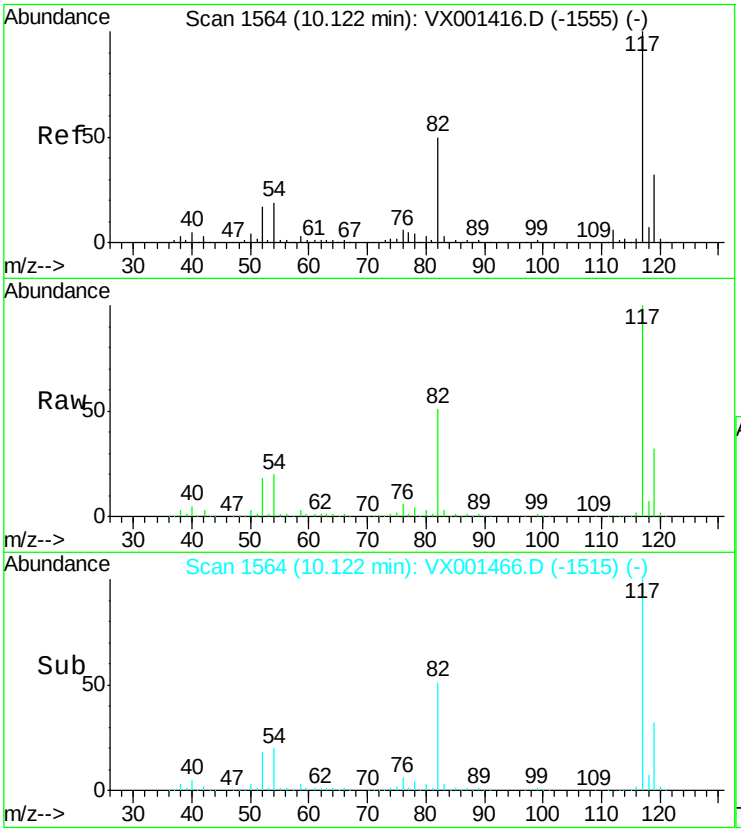




#62
4-Bromofluorobenzene
Concen: 42.14 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 95 Resp: 191450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 100.1 | 0.0 | 202.0 |
| 176 | 98.8 | 0.0 | 197.4 |



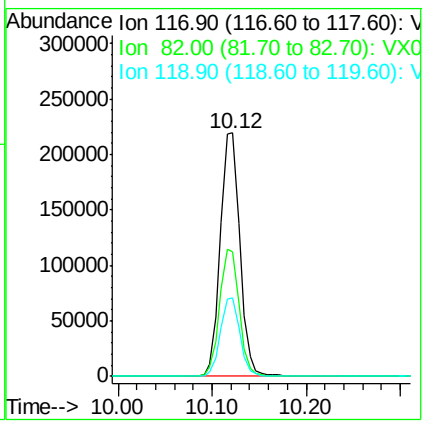


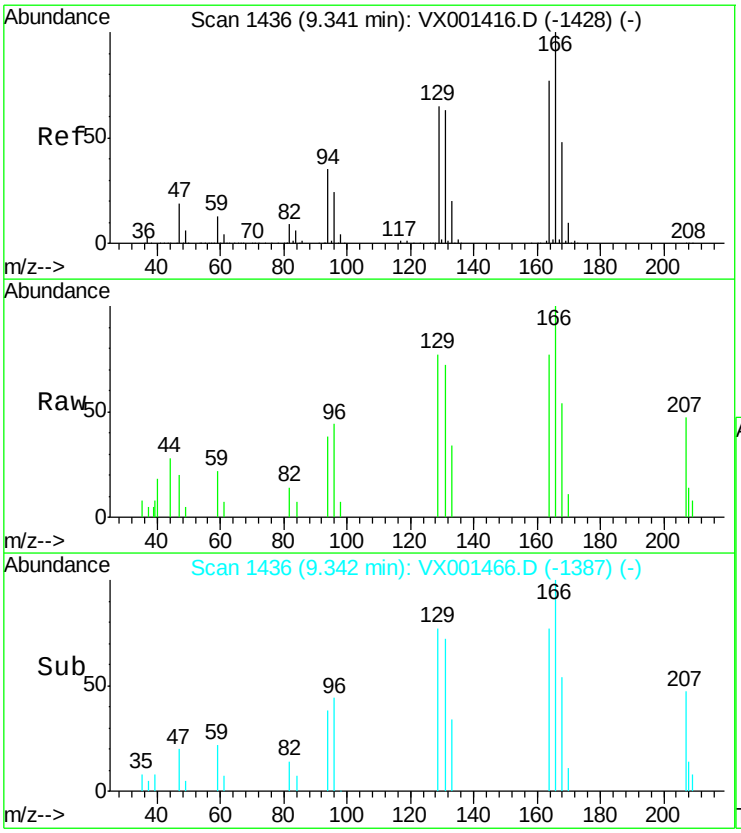

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:117 Resp: 318042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.4 | 40.0 | 60.0 |
| 119 | 32.4 | 25.8 | 38.8 |

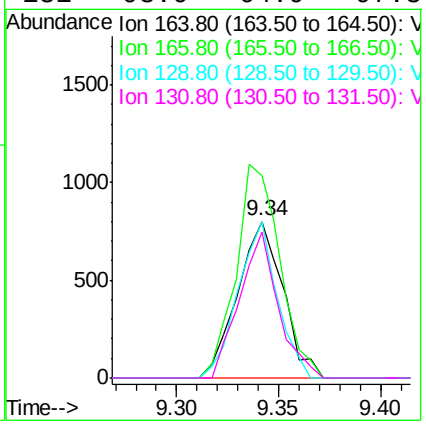


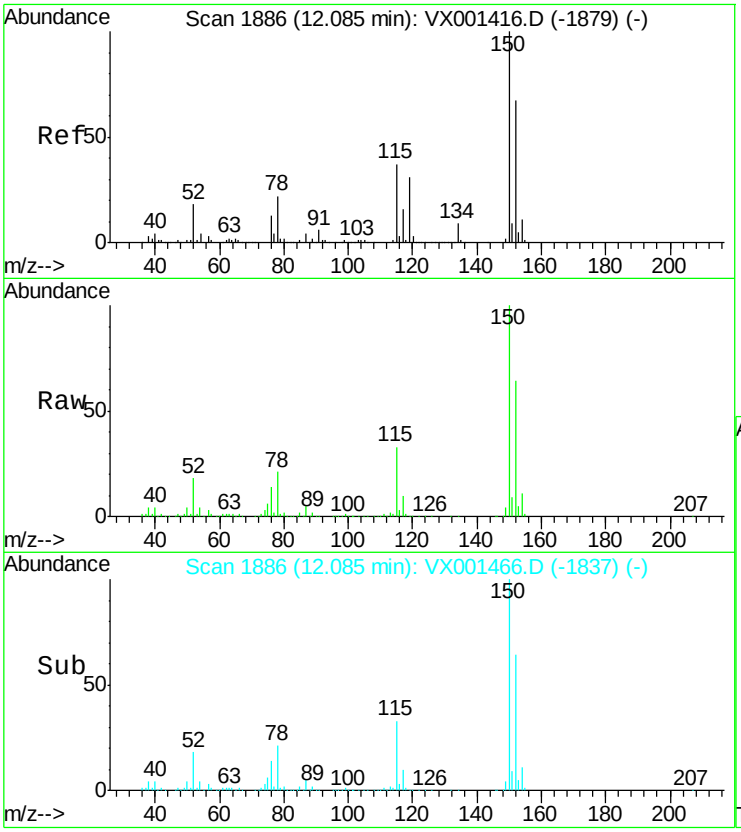




#64
Tetrachloroethene
Concen: 0.28 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion:164 Resp: 1235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 103.5 | 155.3 |
| 129 | 100.0 | 66.7 | 100.1 |
| 131 | 93.0 | 64.9 | 97.3 |



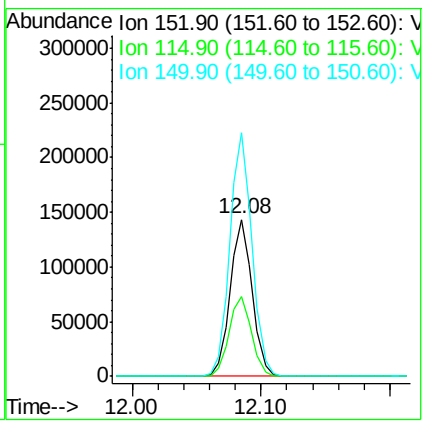


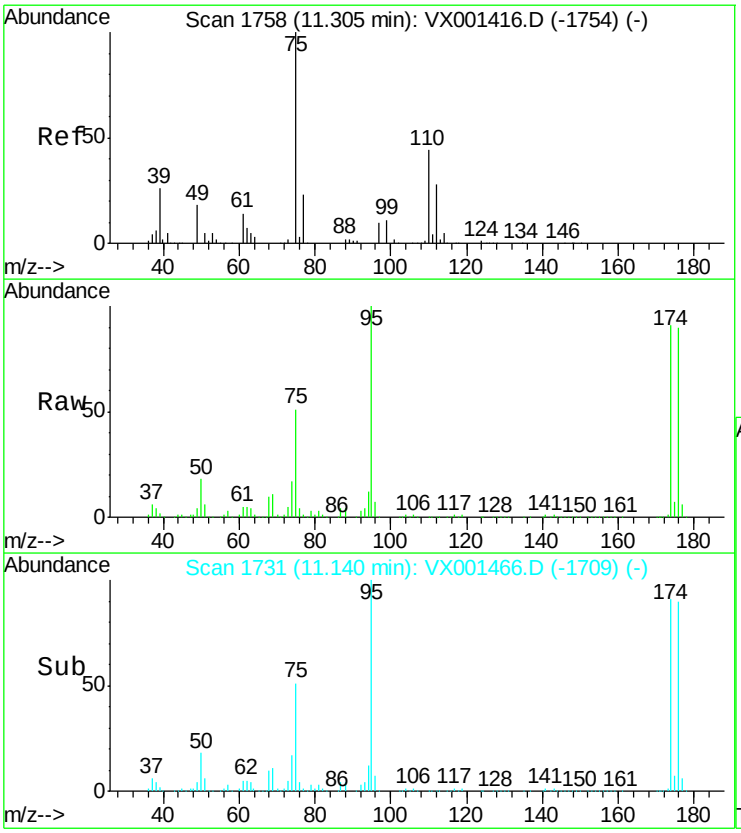

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion:152 Resp: 171546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.1 | 37.7 | 113.1 |
| 150 | 155.6 | 0.0 | 349.4 |

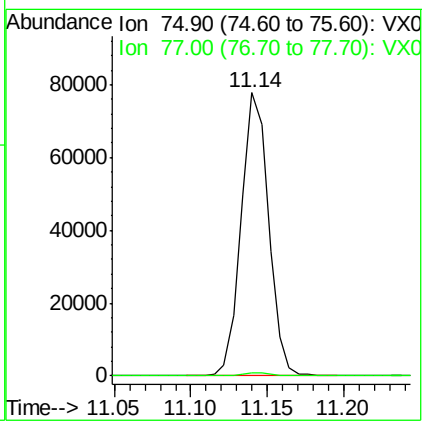


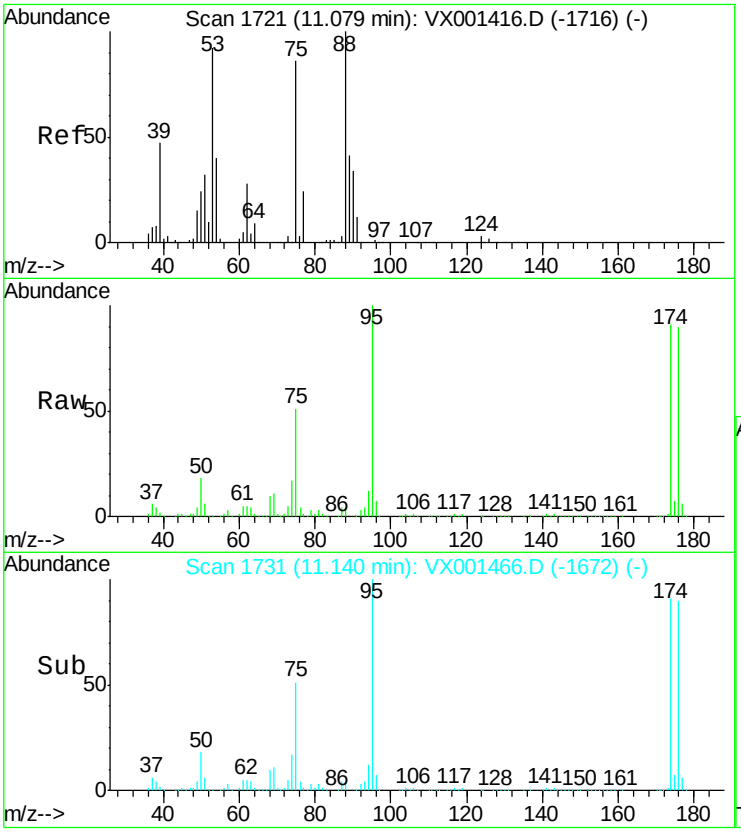




#76
1,2,3-Trichloropropane
Concen: 27.93 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

Tgt Ion: 75 Resp: 97186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 19.6 | 58.7# |






#81
trans-1,4-Dichloro-2-butene
Concen: 85.71 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001466.D
Acq: 07 May 2018 15:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428RE

Tgt Ion: 75 Resp: 97186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 84.5 | 126.7# |
| 89 | 0.0 | 39.5 | 59.3# |