Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002147.D
Acq On : 30 May 2018 19:58
Operator : JC/MD
Sample : J3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-23

Quant Time: May 31 02:17:55 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 301849 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 431058 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 383651 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 204593 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 192231 | 35.63 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 71.26% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 145606 | 33.78 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 67.56% | | | | |
| 50) Toluene-d8 | 8.72 | 98 | 578625 | 37.08 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 74.16% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 203963 | 33.40 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 66.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 448 | Below Cal | | | 91 |
| 5) Bromomethane | 1.66 | 94 | 957 | Below Cal | | | 88 |
| 6) Chloroethane | 1.73 | 64 | 543 | 0.21 | ug/l | # | 43 |
| 10) Methyl Iodide | 2.52 | 142 | 1537 | 0.30 | ug/l | # | 90 |
| 11) Tert butyl alcohol | 3.08 | 59 | 727 | 0.69 | ug/l | | 98 |
| 13) Acrolein | 2.31 | 56 | 127 | 0.28 | ug/l | # | 38 |
| 16) Acetone | 2.46 | 43 | 1163 | 0.56 | ug/l | # | 79 |
| 18) Methyl Acetate | 2.78 | 43 | 417 | Below Cal | | | 92 |
| 20) Methylene Chloride | 2.85 | 84 | 962 | Below Cal | | # | 55 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 177 | Below Cal | | # | 39 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 2490 | 0.54 | ug/l | # | 1 |
| 28) Bromochloromethane | 5.06 | 49 | 20 | Below Cal | | # | 14 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 21195 | 3.53 | ug/l | # | 51 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 26889 | 3.85 | ug/l | # | 15 |
| 41) Methacrylonitrile | 5.10 | 41 | 106 | Below Cal | | # | 46 |
| 44) Trichloroethene | 7.23 | 130 | 3856 | 0.75 | ug/l | | 79 |
| 60) Dibromochloromethane | 9.34 | 129 | 4852 | 0.88 | ug/l | # | 11 |
| 64) Tetrachloroethene | 9.34 | 164 | 5399 | 0.98 | ug/l | | 98 |
| 74) N-amyl acetate | 6.53 | 43 | 122 | Below Cal | | # | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.14 | 83 | 371 | Below Cal | | # | 1 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 108683 | 22.12 | ug/l | # | 33 |
| 79) 2-Chlorotoluene | 11.43 | 91 | 292 | Below Cal | | # | 66 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 108683 | 53.15 | ug/l | # | 10 |

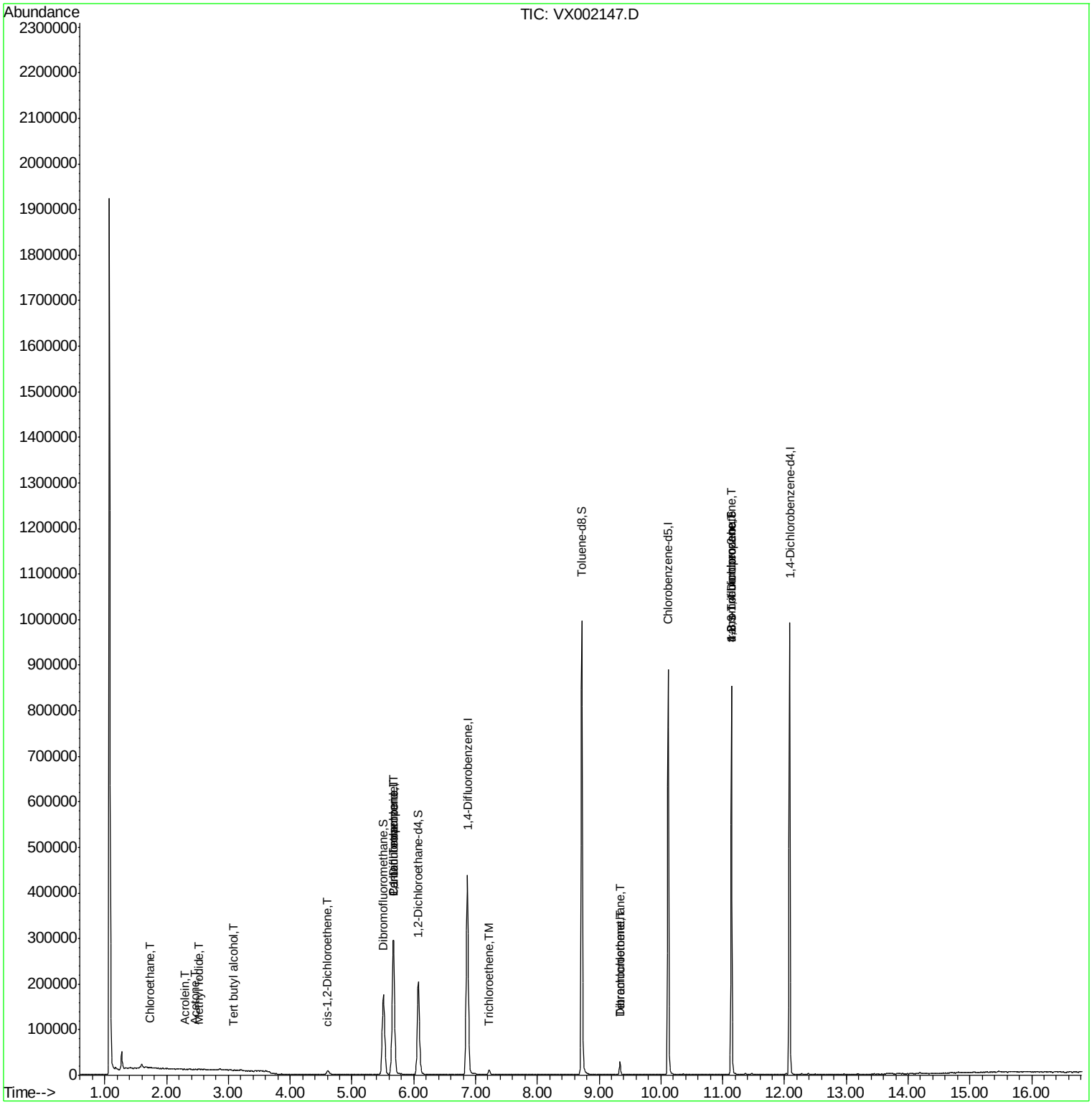
(#) = qualifier out of range (m) = manual integration (+) = signals summed

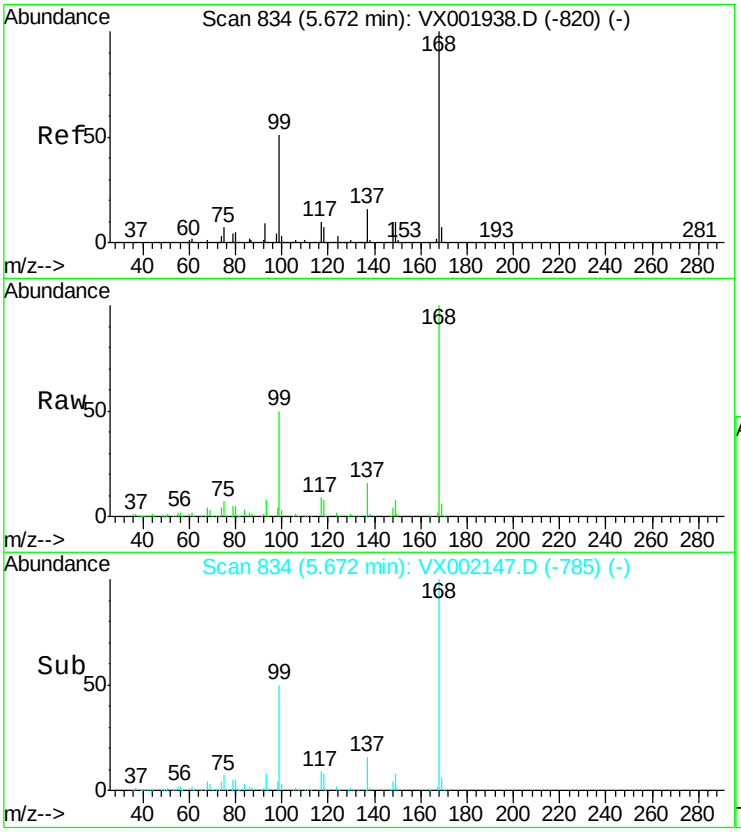
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002147.D
Acq On : 30 May 2018 19:58
Operator : JC/MD
Sample : J3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Quant Time: May 31 02:17:55 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration



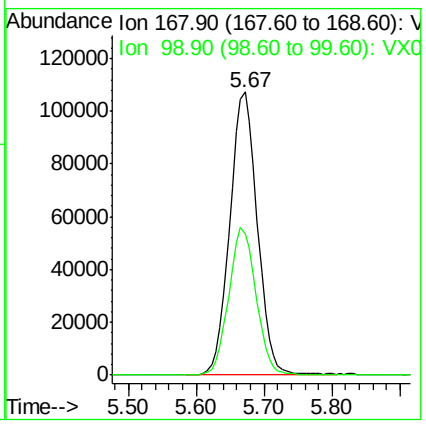


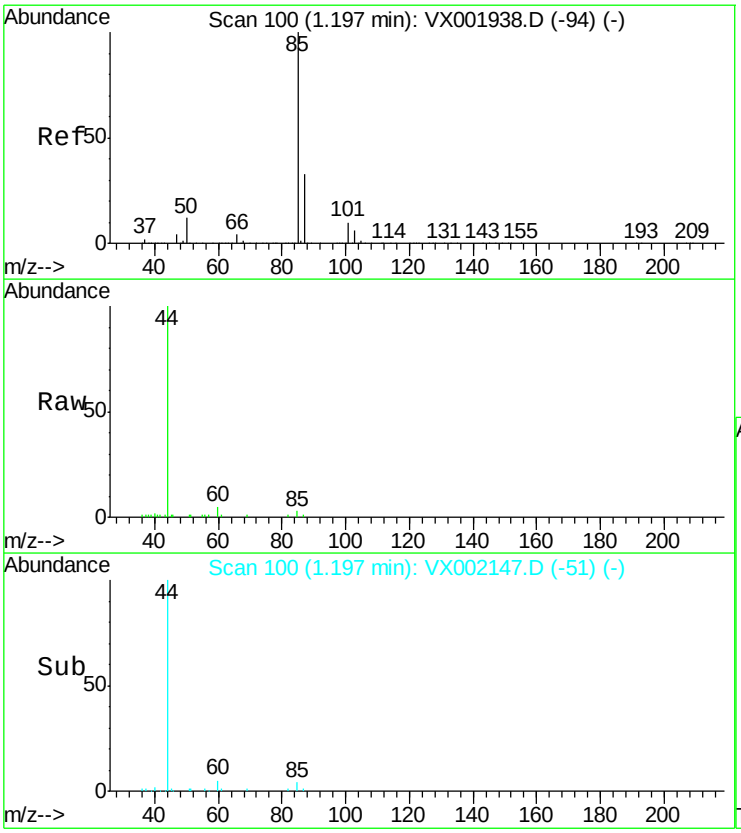

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion:168 Resp: 301849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.9 | 41.0 | 61.4 |

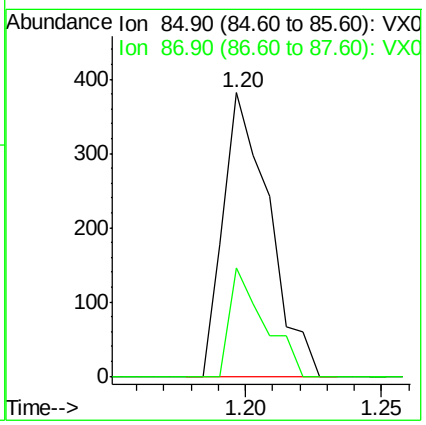


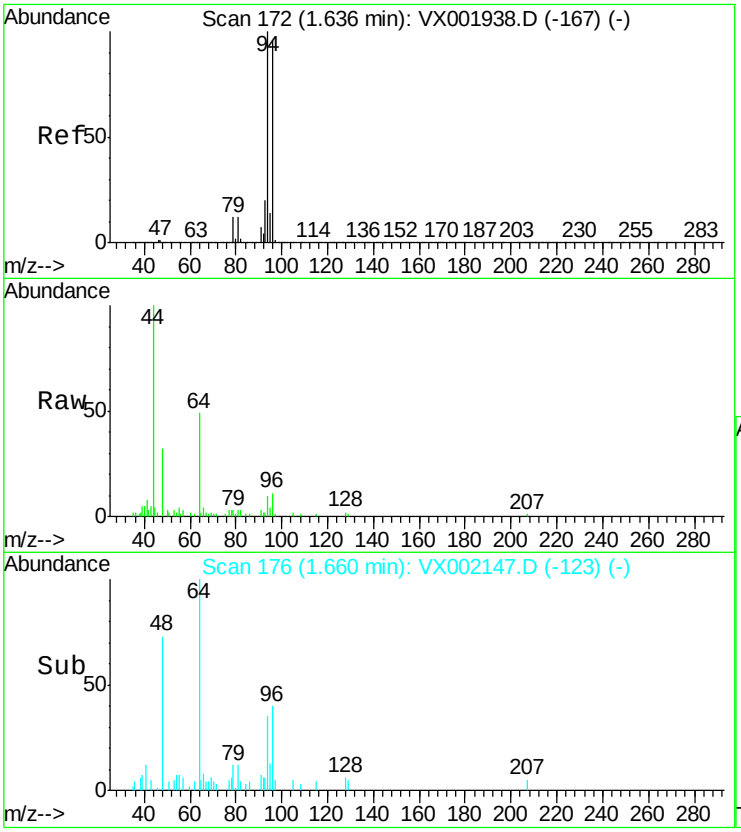




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 85 Resp: 448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 38.2 | 16.7 | 50.0 |



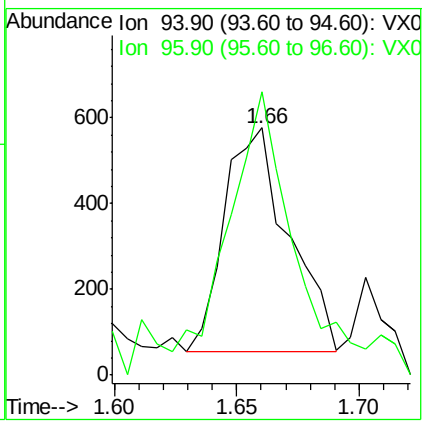


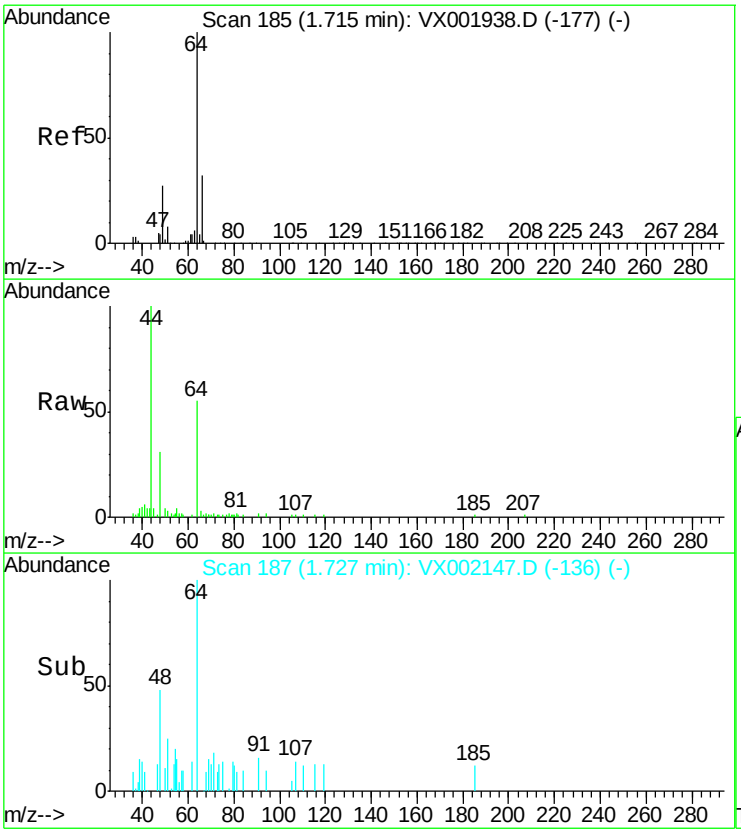

#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.03 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 94 Resp: 957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 106.1 | 75.9 | 113.9 |

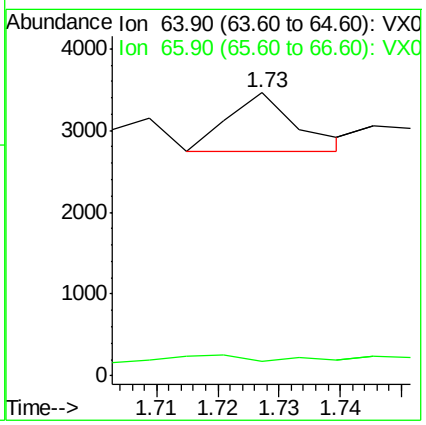


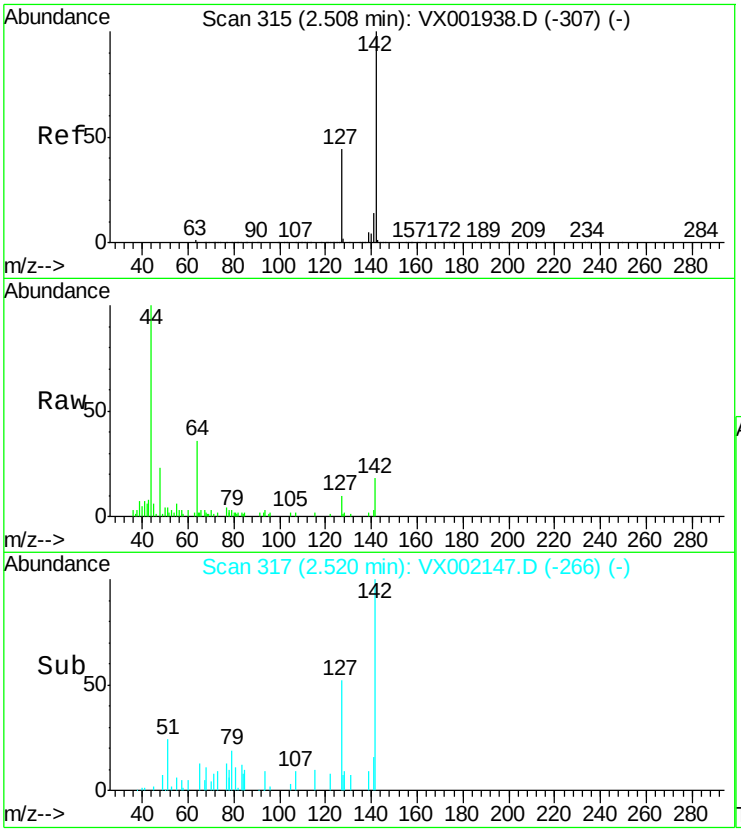




#6
Chloroethane
Concen: 0.21 ug/l
RT: 1.73 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 64 Resp: 543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.6 | 38.4# |



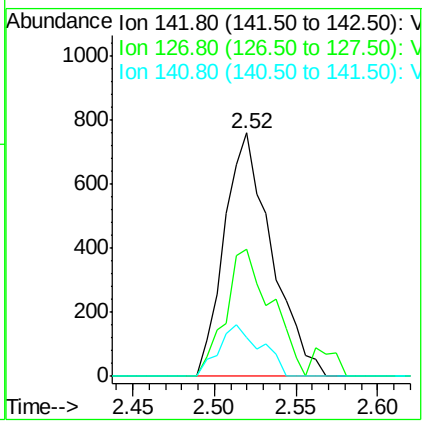


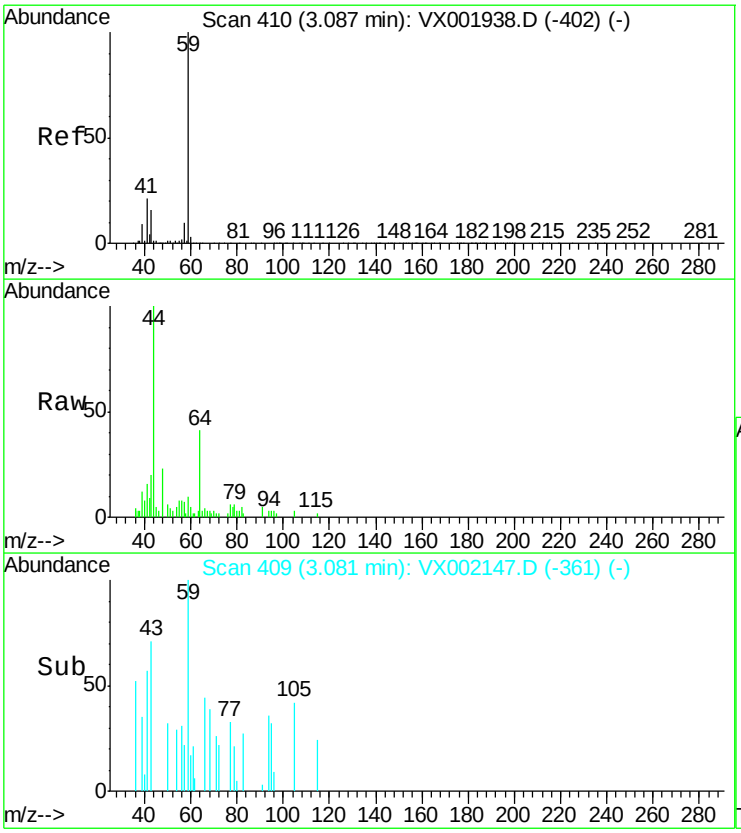

#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion:142 Resp: 1537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.2 | 35.5 | 53.3 |
| 141 | 18.8 | 11.3 | 16.9# |

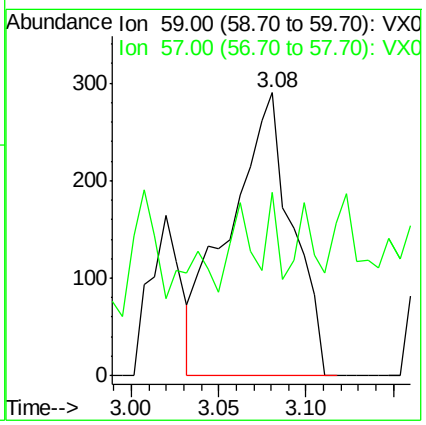


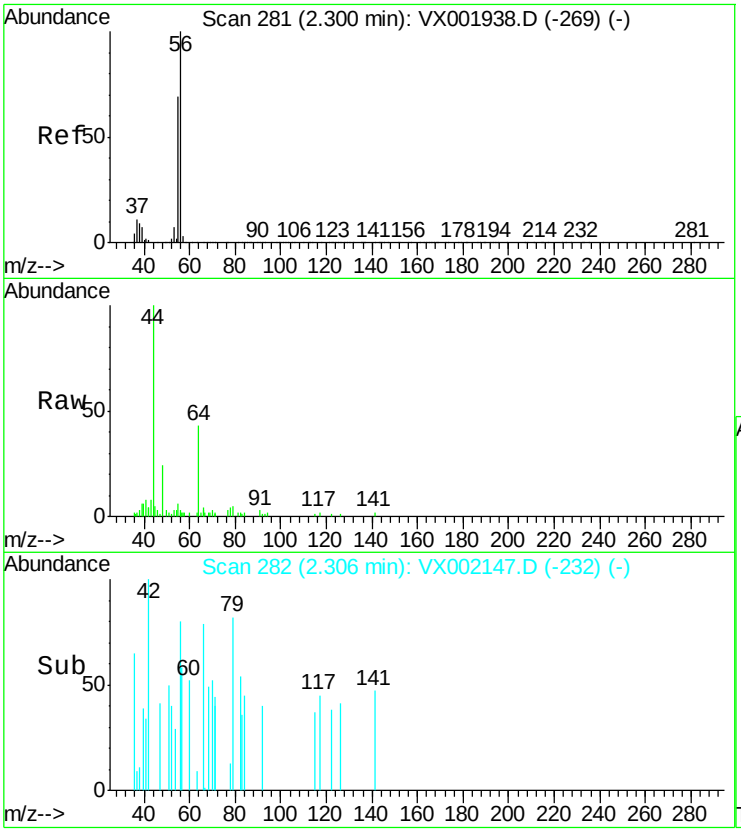




#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 59 Resp: 727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 8.9 | 13.3 |



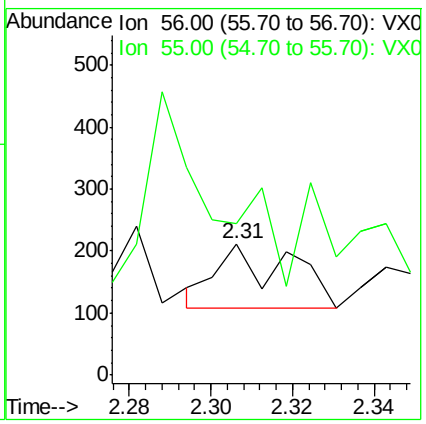


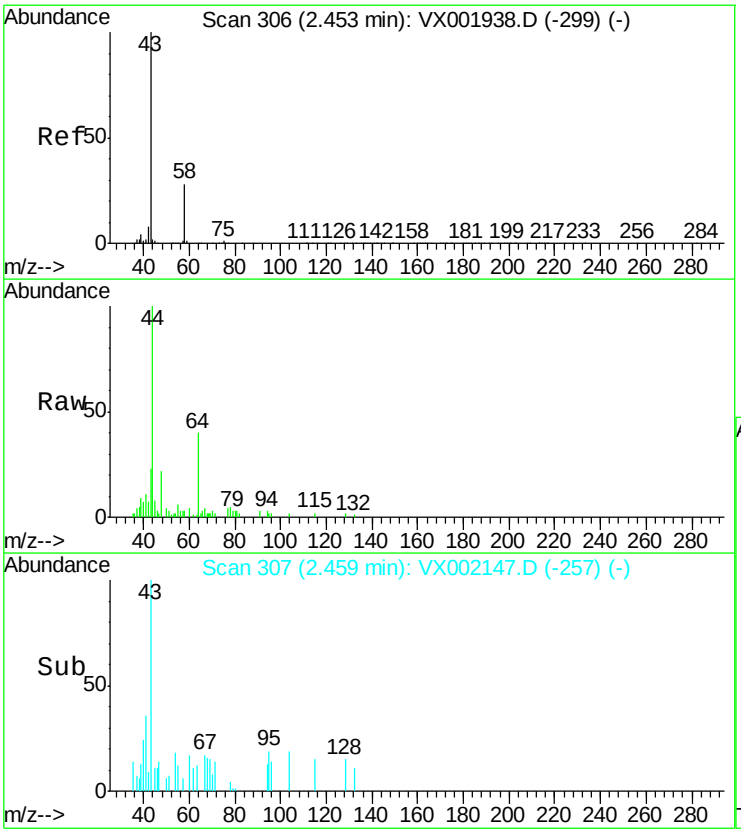

#13
Acrolein
Concen: 0.28 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 56 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 122.0 | 56.8 | 85.2# |

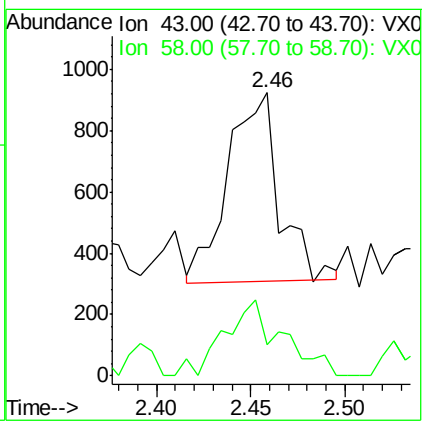


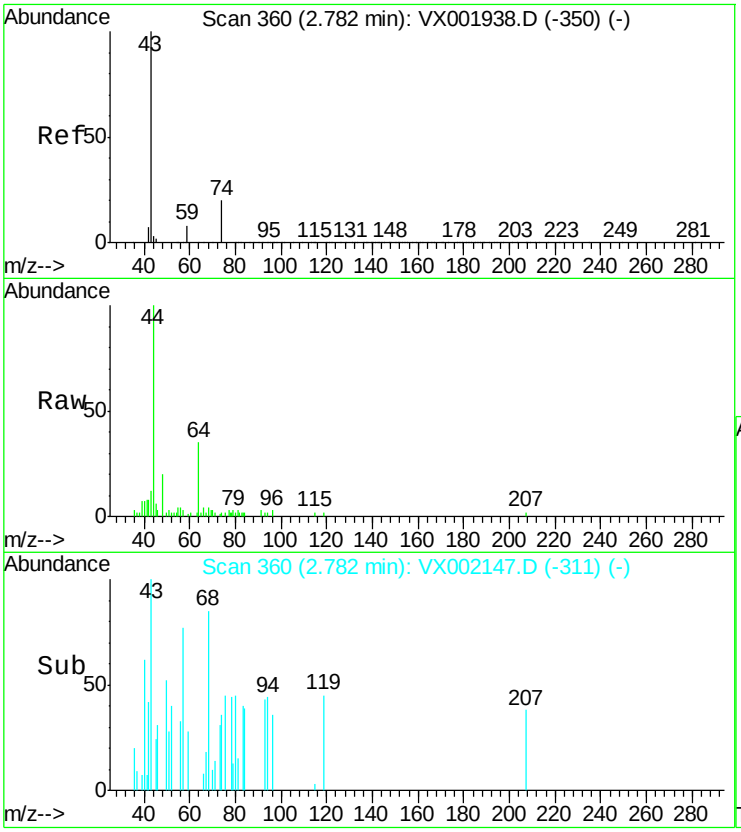




#16
Acetone
Concen: 0.56 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 43 Resp: 1163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.1 | 22.3 | 33.5# |



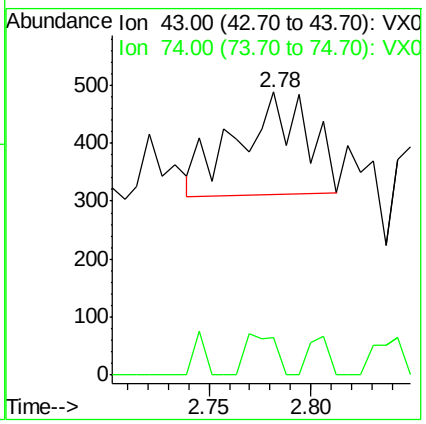


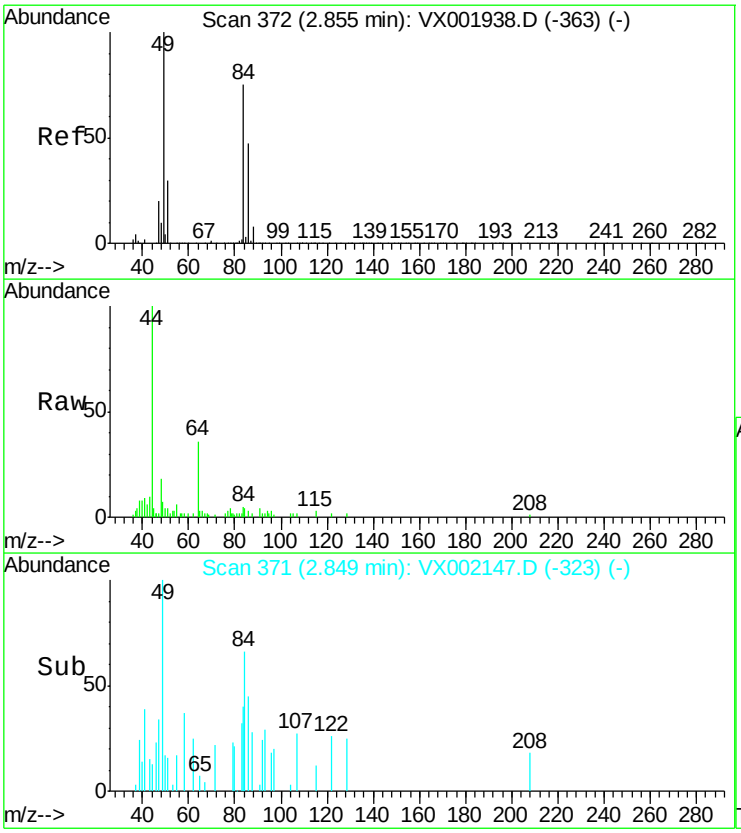

#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 43 Resp: 417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.3 | 16.8 | 25.2 |

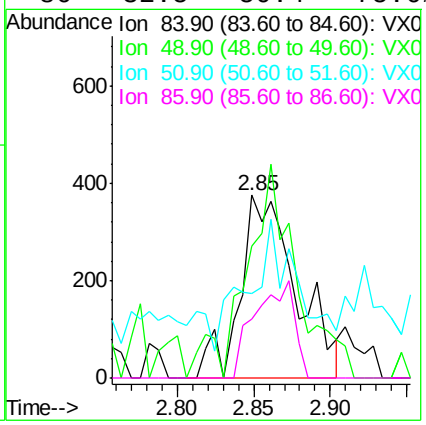


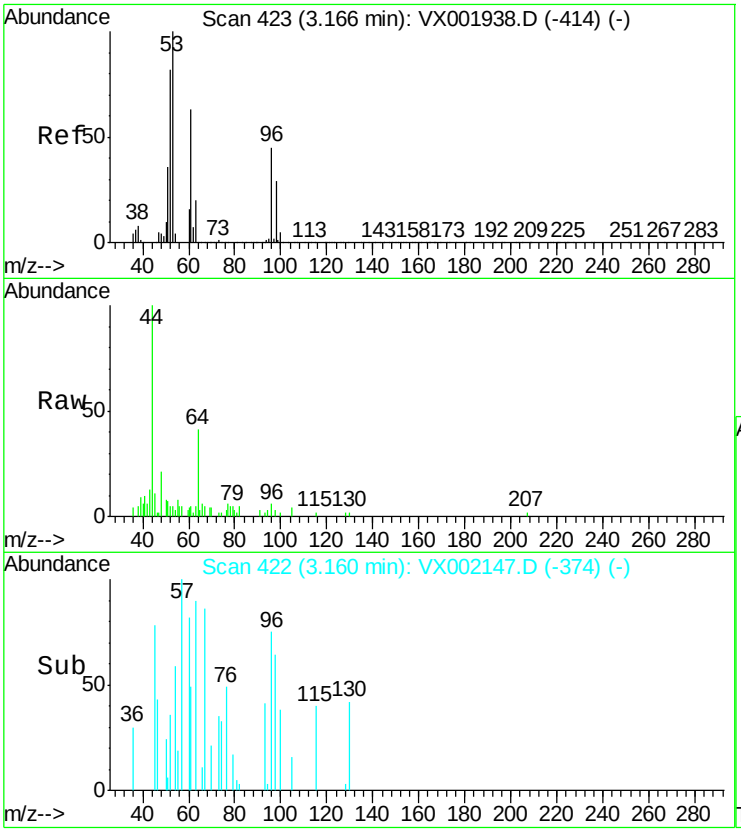




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 84 Resp: 962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 72.3 | 107.2 | 160.8# |
| 51 | 20.0 | 32.4 | 48.6# |
| 86 | 32.5 | 50.4 | 75.6# |



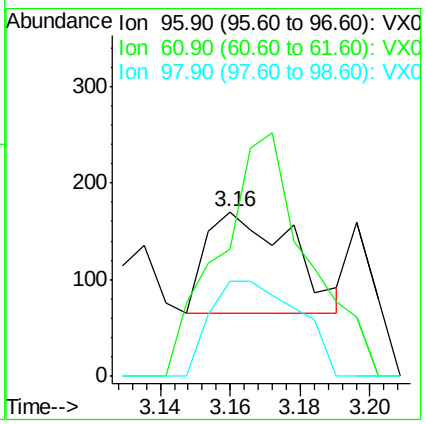


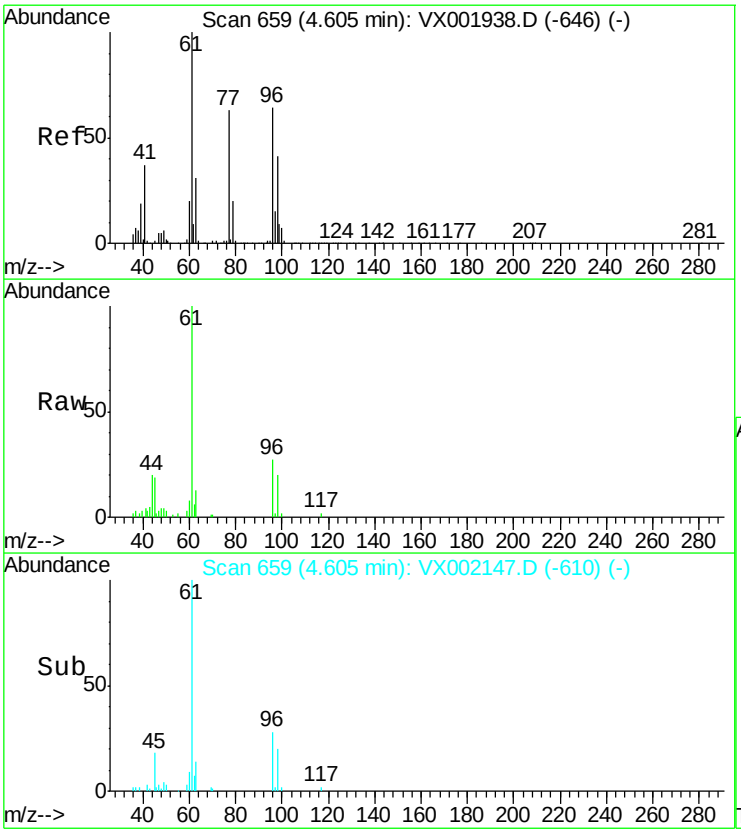

#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 96 Resp: 177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 53.3 | 113.3 | 169.9# |
| 98 | 93.3 | 51.7 | 77.5# |

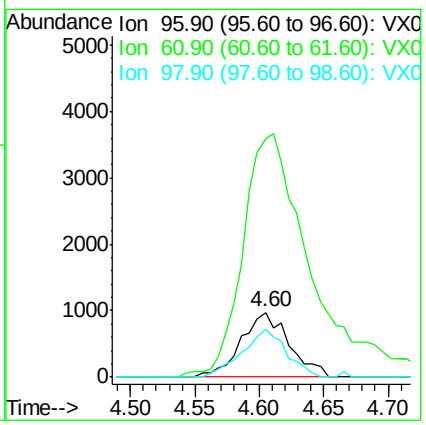


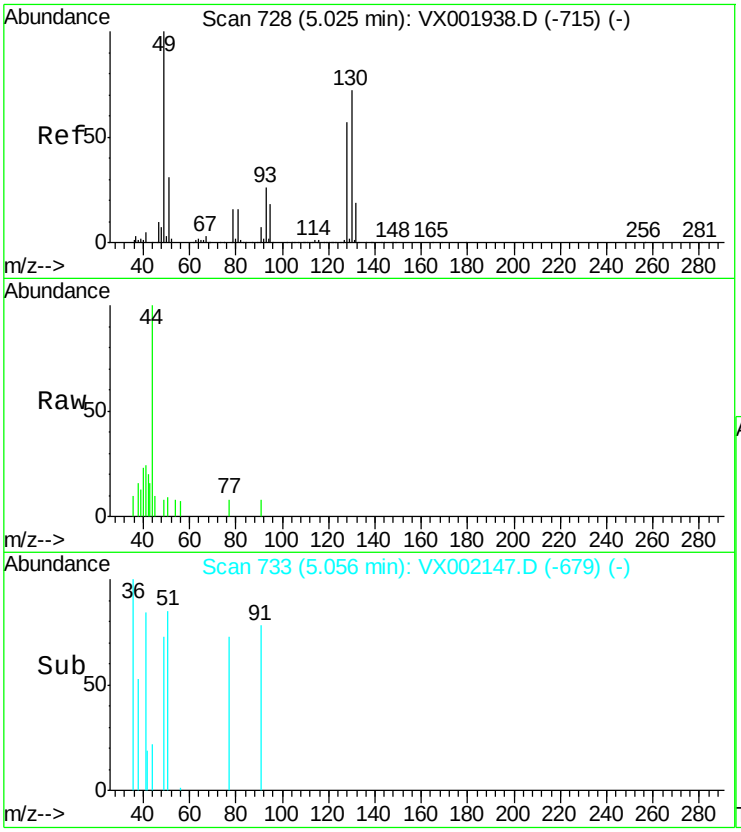




#27
cis-1,2-Dichloroethene
Concen: 0.54 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 96 Resp: 2490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 539.2 | 0.0 | 348.4# |
| 98 | 68.4 | 0.0 | 128.6 |



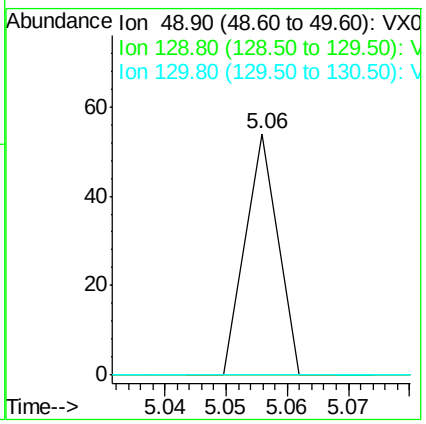


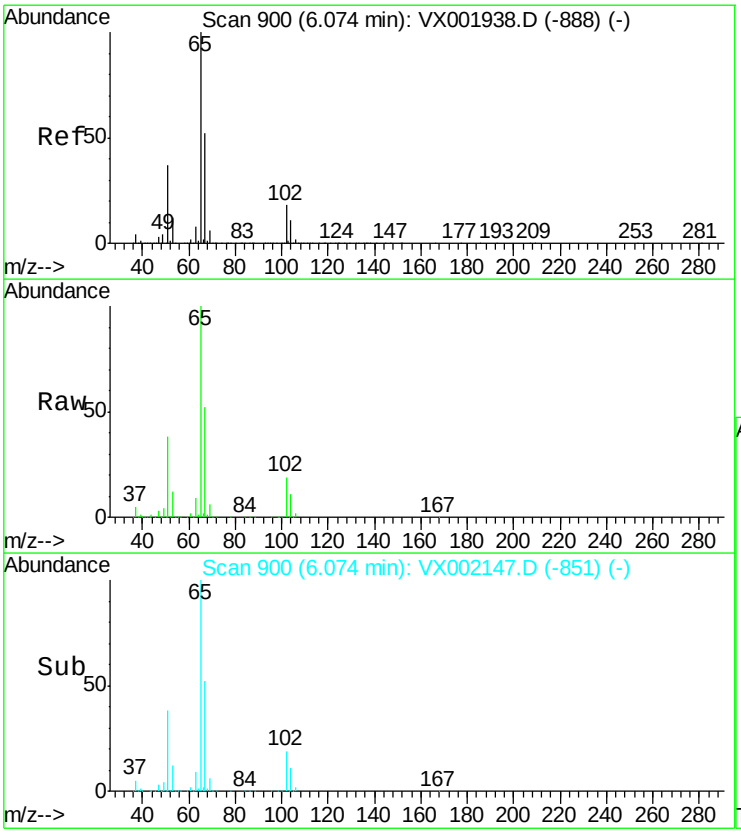

#28
Bromochloromethane
Concen: Below Cal
RT: 5.06 min Scan# 733
Delta R.T. 0.03 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :** MSVOA_X
**ClientSampleId :** MW-23

Tgt Ion: 49 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 59.4 | 89.2# |

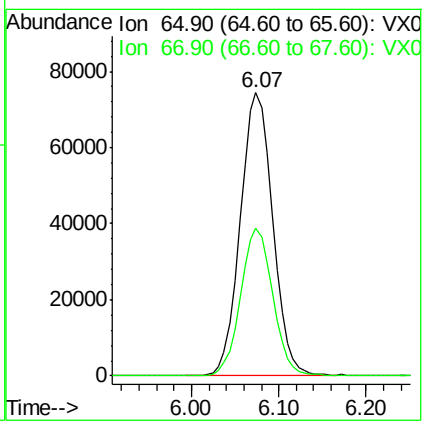


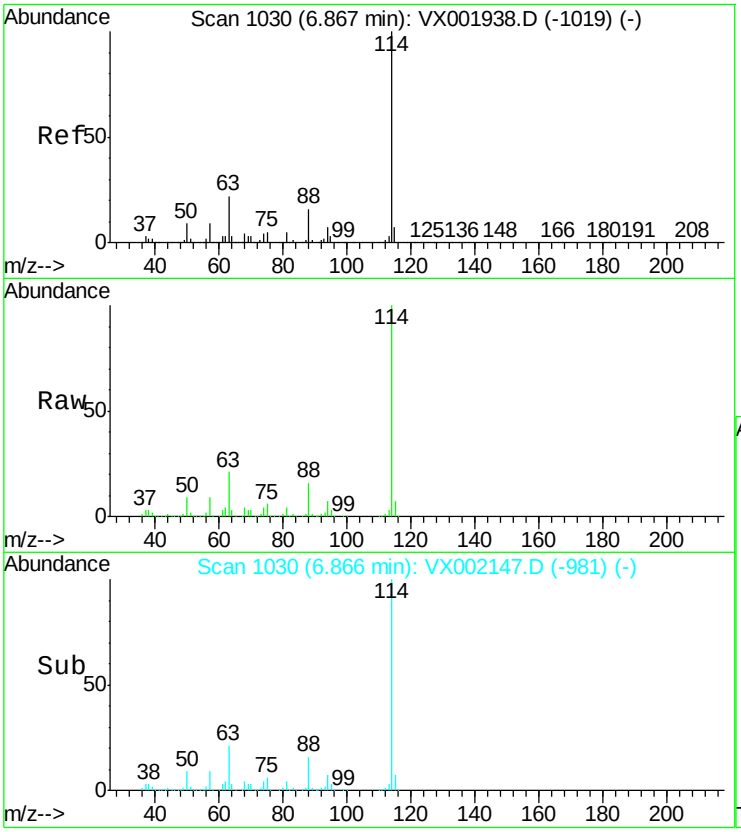




#33
1,2-Dichloroethane-d4
Concen: 35.63 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 65 Resp: 192231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 104.0 |



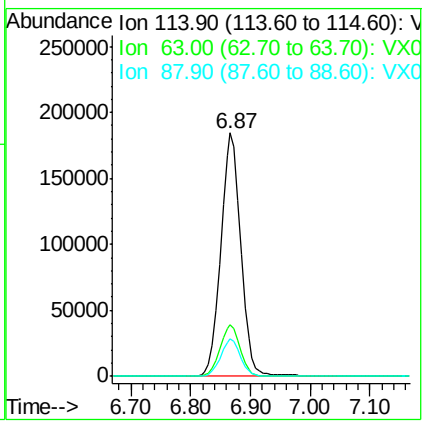


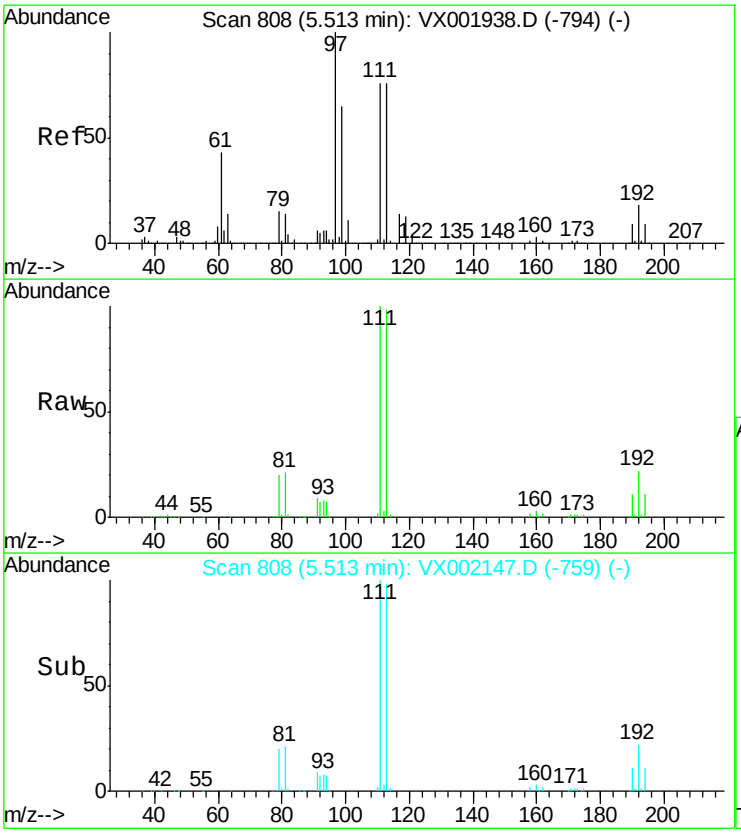

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion:114 Resp: 431058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 43.2 |
| 88 | 15.6 | 0.0 | 31.6 |

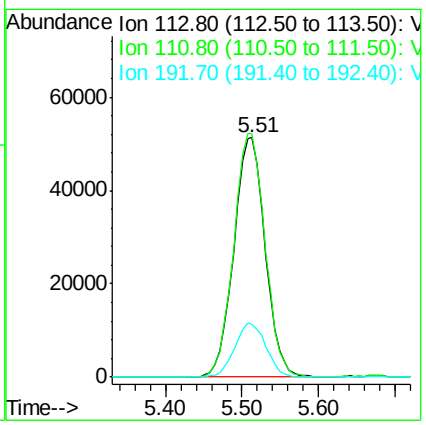


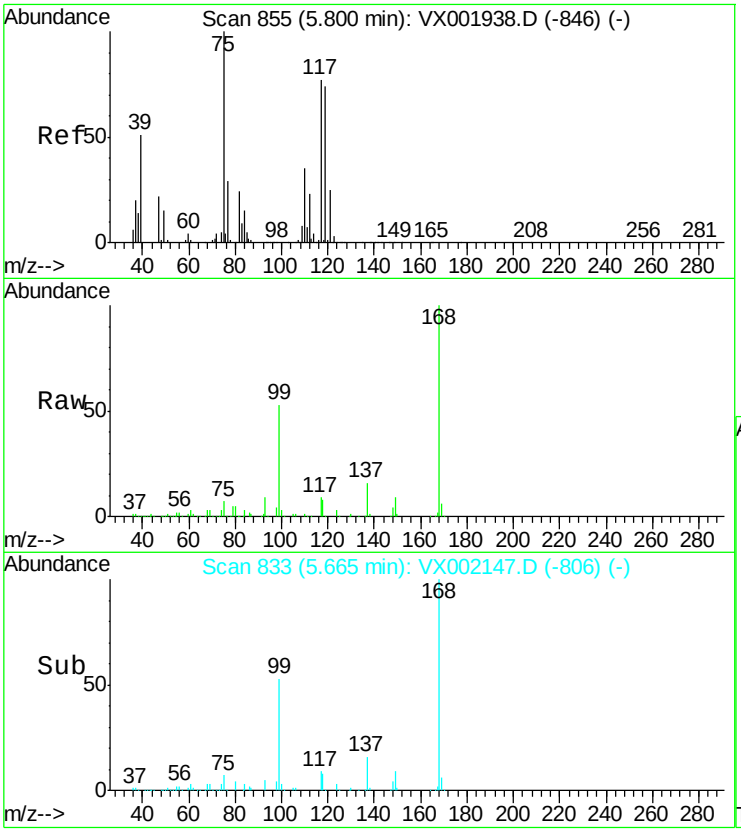




#35
Dibromofluoromethane
Concen: 33.78 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:113 Resp: 145606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 82.0 | 123.0 |
| 192 | 22.7 | 18.9 | 28.3 |



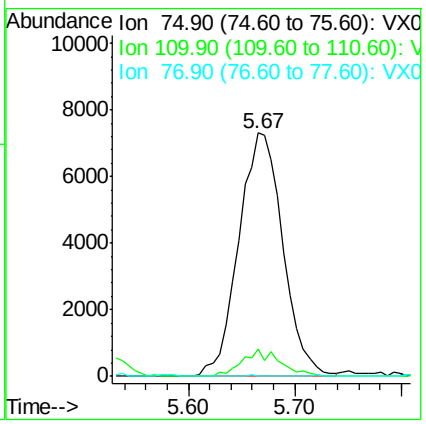


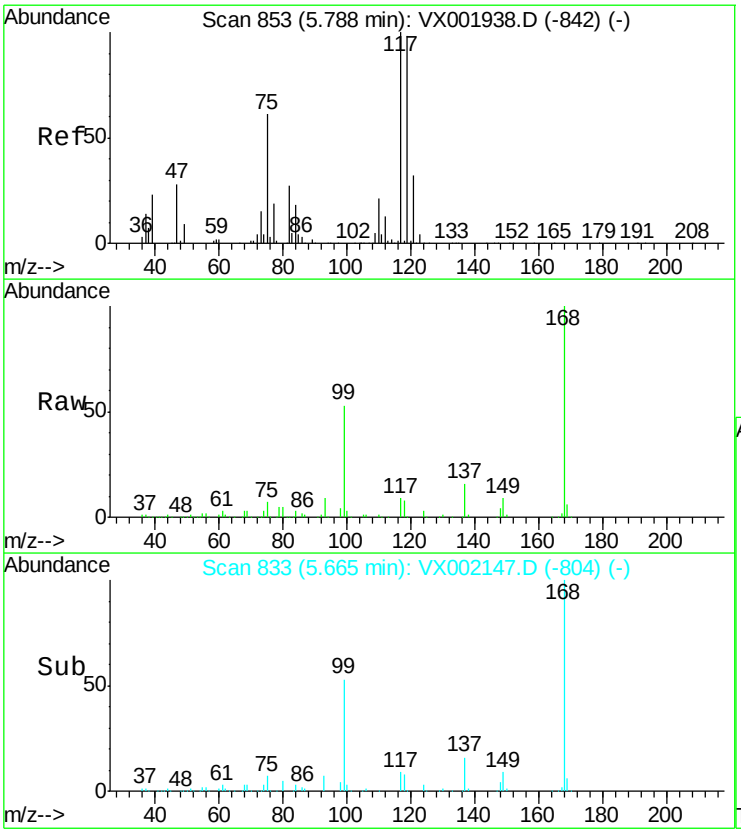

#36
1,1-Dichloropropene
Concen: 3.53 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 75 Resp: 21195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.5 | 17.4 | 52.2# |
| 77 | 0.1 | 24.4 | 36.6# |

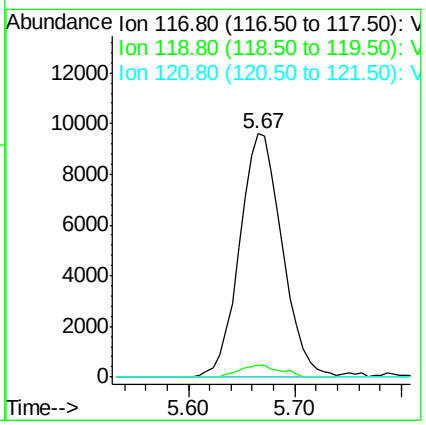


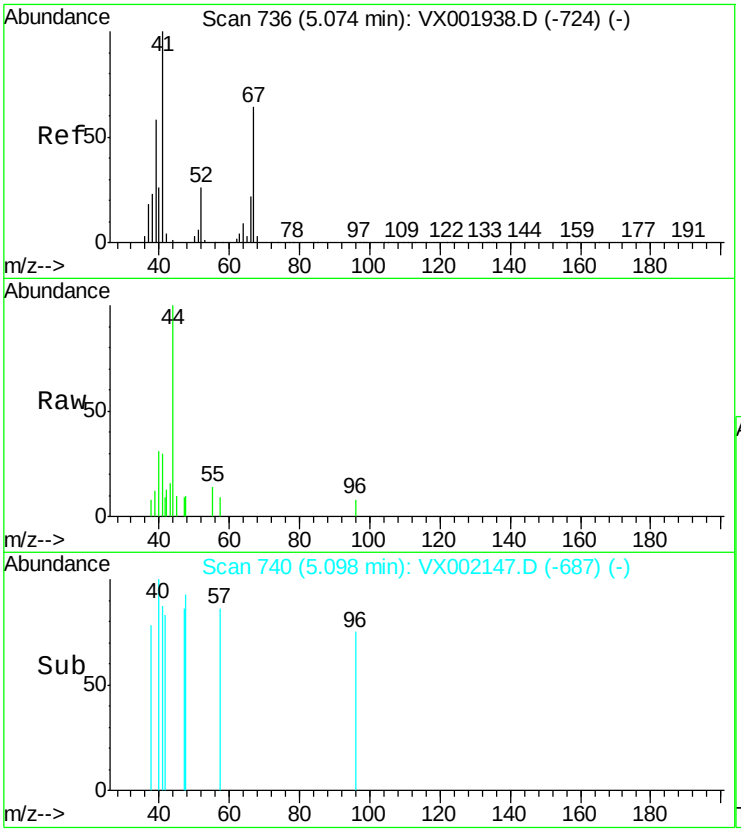




#38
Carbon Tetrachloride
Concen: 3.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:117 Resp: 26889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.0 | 78.5 | 117.7# |
| 121 | 0.0 | 25.5 | 38.3# |



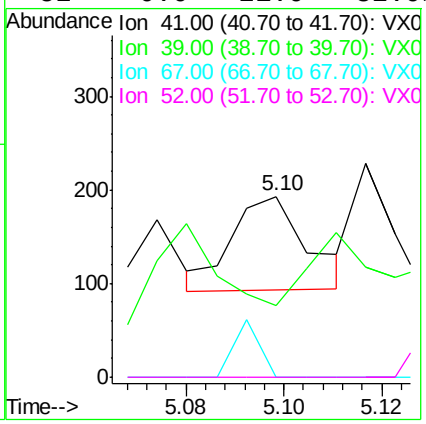


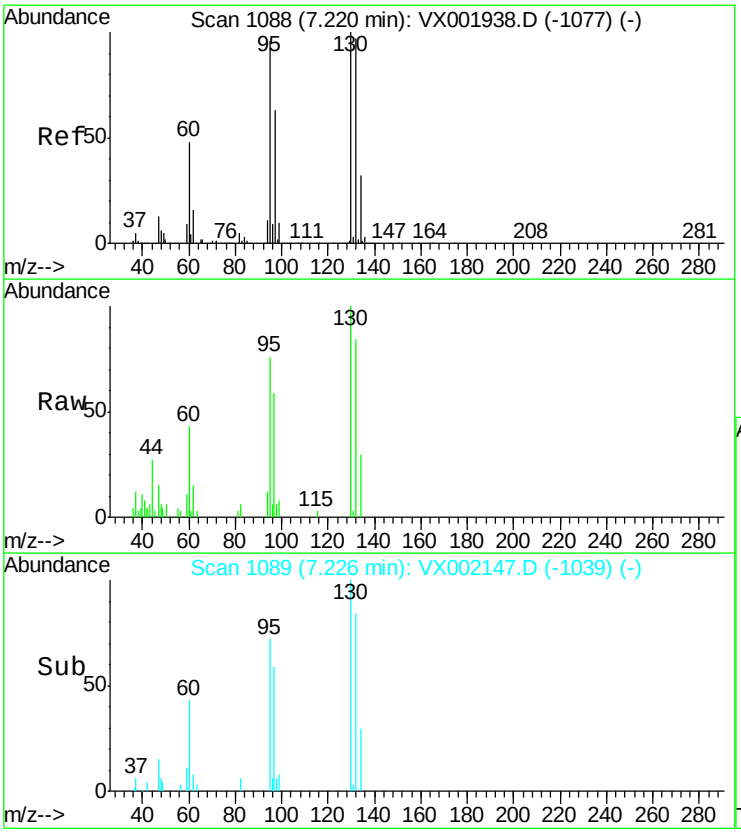

#41
Methacrylonitrile
Concen: Below Cal
RT: 5.10 min Scan# 740
Delta R.T. 0.02 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 41 Resp: 106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 98.1 | 46.0 | 69.0# |
| 67 | 20.8 | 50.6 | 75.8# |
| 52 | 0.0 | 21.9 | 32.9# |

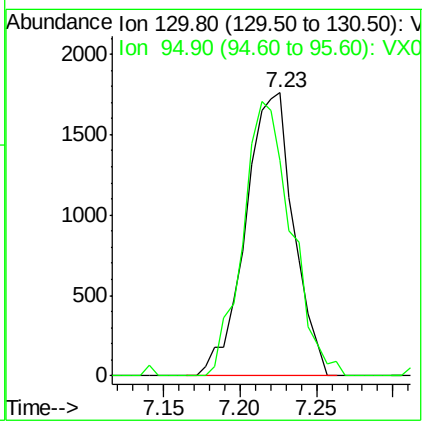


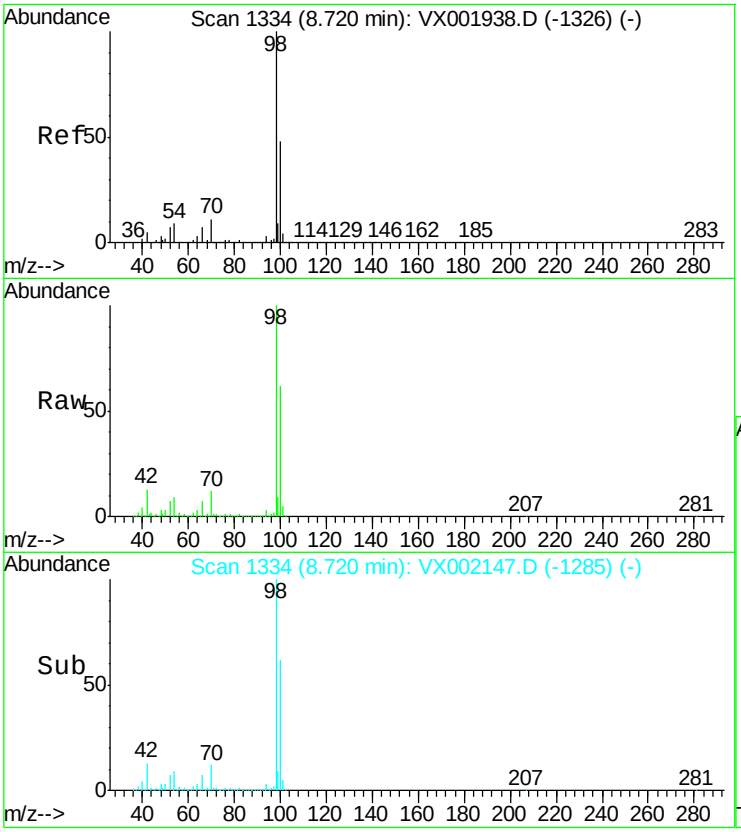




#44
Trichloroethene
Concen: 0.75 ug/l
RT: 7.23 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:130 Resp: 3856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 76.0 | 0.0 | 192.0 |



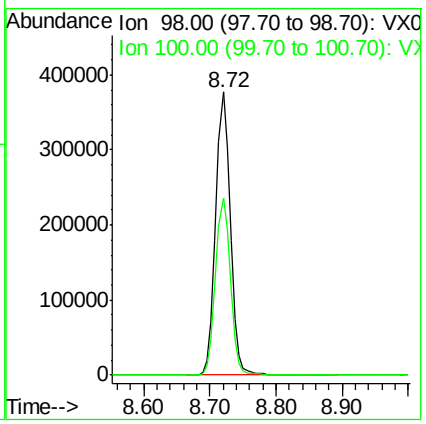


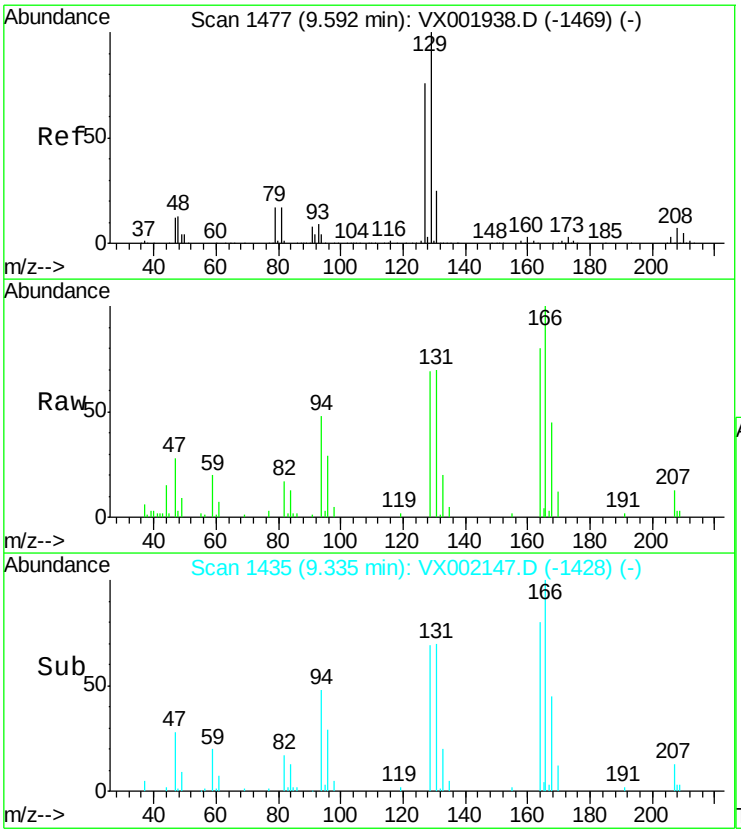

#50
Toluene-d8
Concen: 37.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 98 Resp: 578625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.4 | 51.5 | 77.3 |

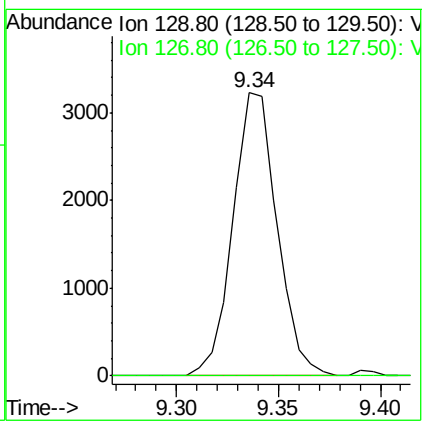


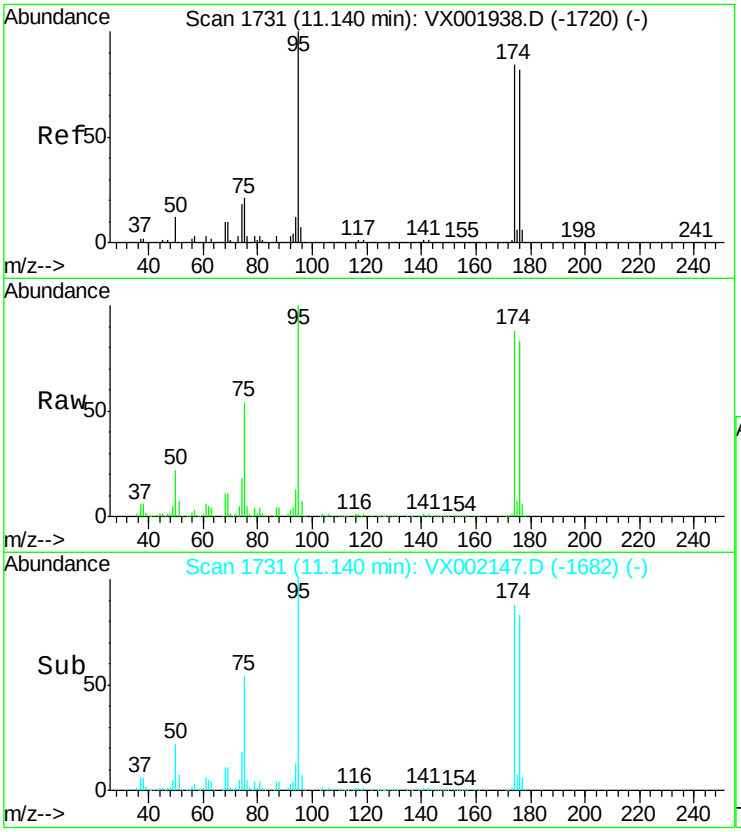




#60
Dibromochloromethane
Concen: 0.88 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.26 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:129 Resp: 4852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.3 | 114.9# |



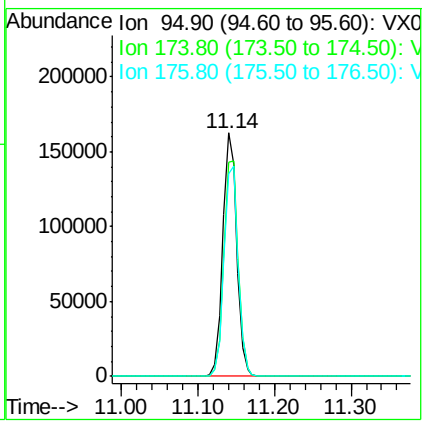


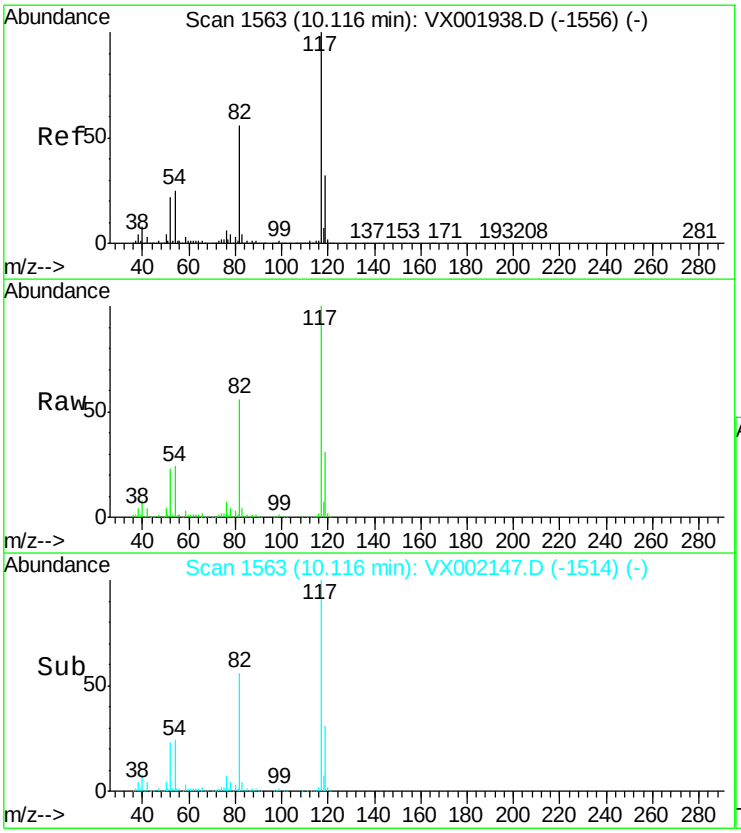

#62
4-Bromofluorobenzene
Concen: 33.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 95 Resp: 203963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.5 | 0.0 | 178.8 |
| 176 | 88.4 | 0.0 | 175.6 |

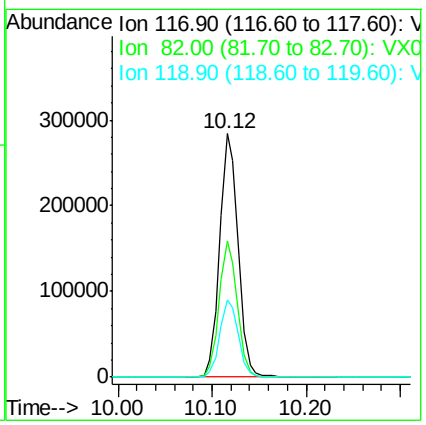


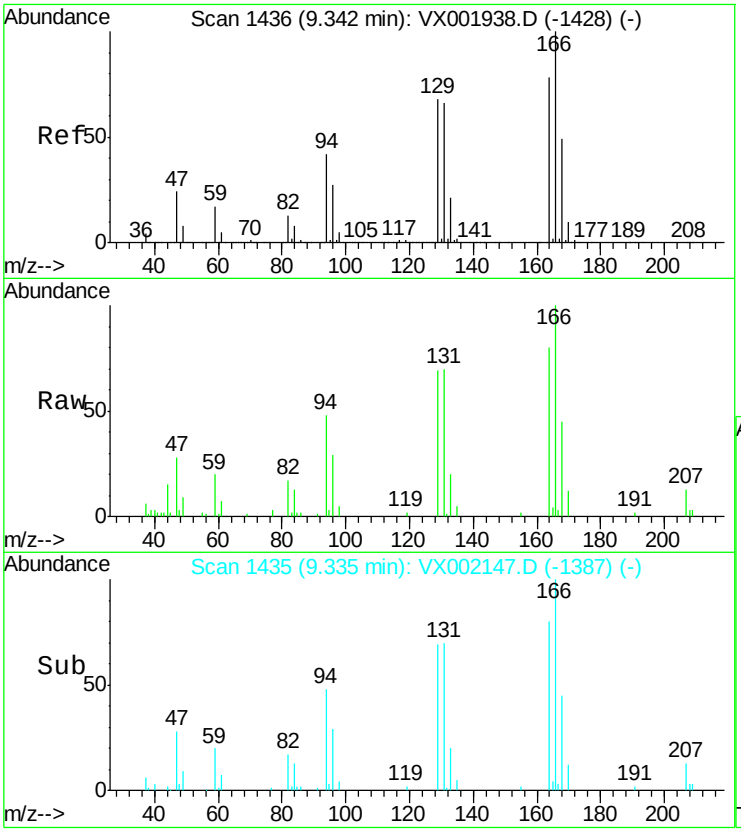




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:117 Resp: 383651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.1 | 44.8 | 67.2 |
| 119 | 31.5 | 25.5 | 38.3 |



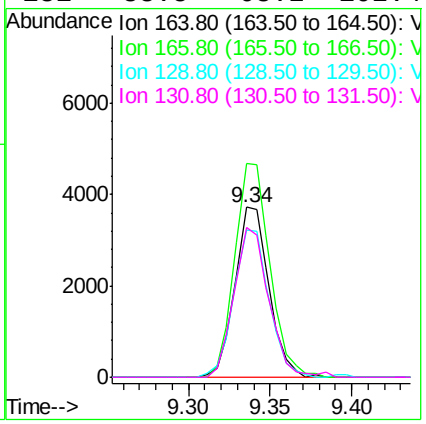


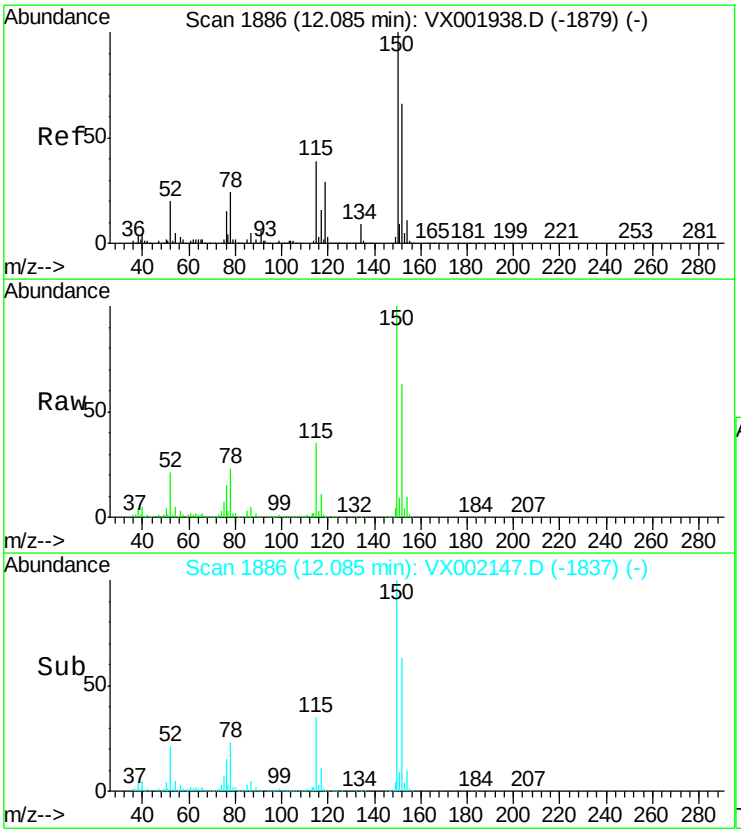

#64
Tetrachloroethene
Concen: 0.98 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :** MSVOA_X
**ClientSampleId :** MW-23

Tgt Ion:164 Resp: 5399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.7 | 102.7 | 154.1 |
| 129 | 86.8 | 70.3 | 105.5 |
| 131 | 88.5 | 68.2 | 102.4 |

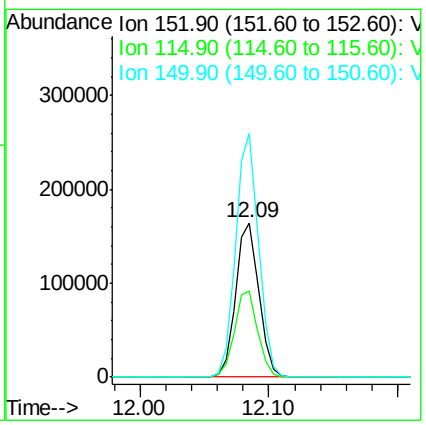


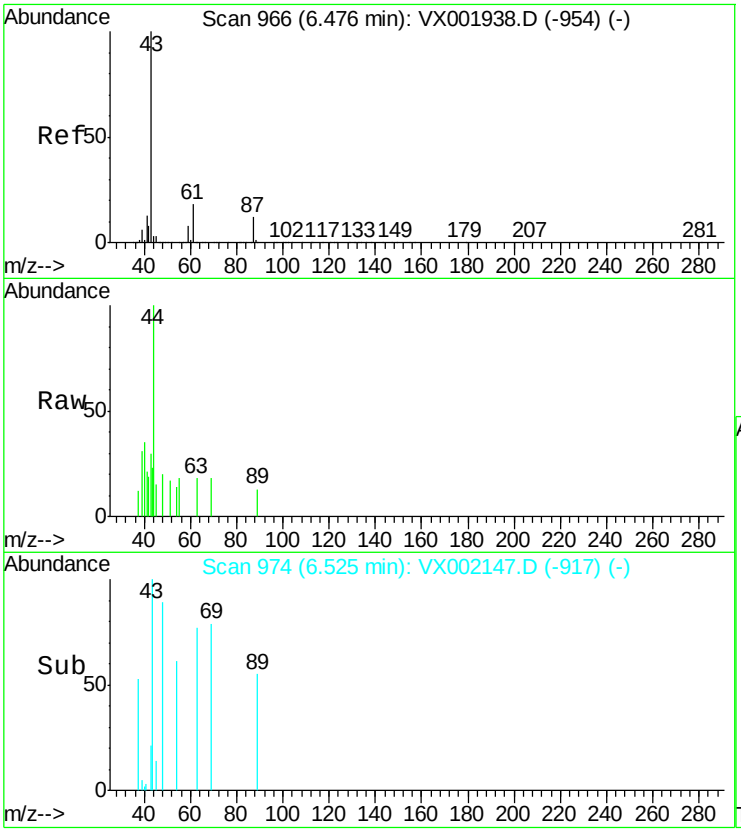




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion:152 Resp: 204593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 42.3 | 126.8 |
| 150 | 156.8 | 0.0 | 351.0 |



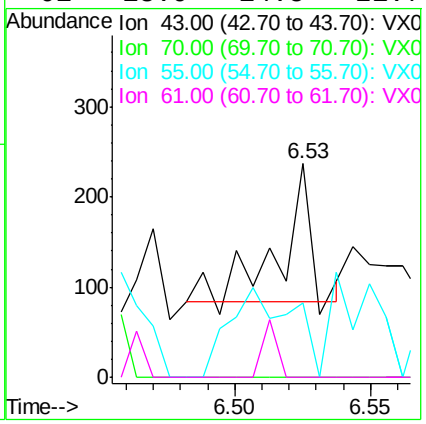


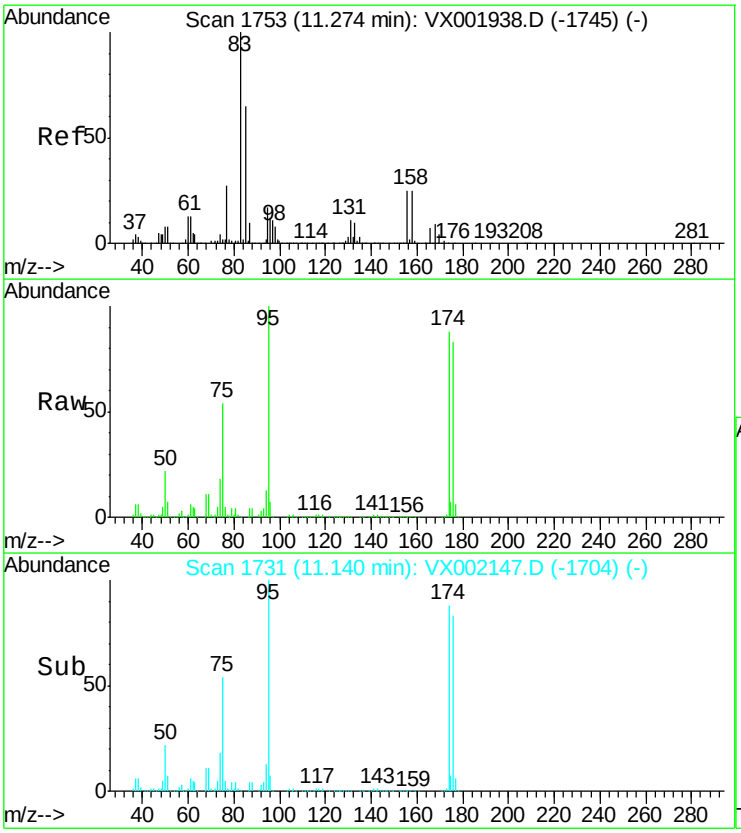

#74
N-amyl acetate
Concen: Below Cal
RT: 6.53 min Scan# 974
Delta R.T. 0.05 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 43 Resp: 122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 0.1 | 0.1# |
| 55 | 131.1 | 0.1 | 0.1# |
| 61 | 18.9 | 14.5 | 21.7 |

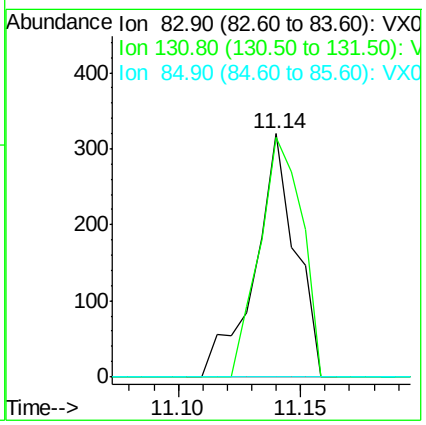


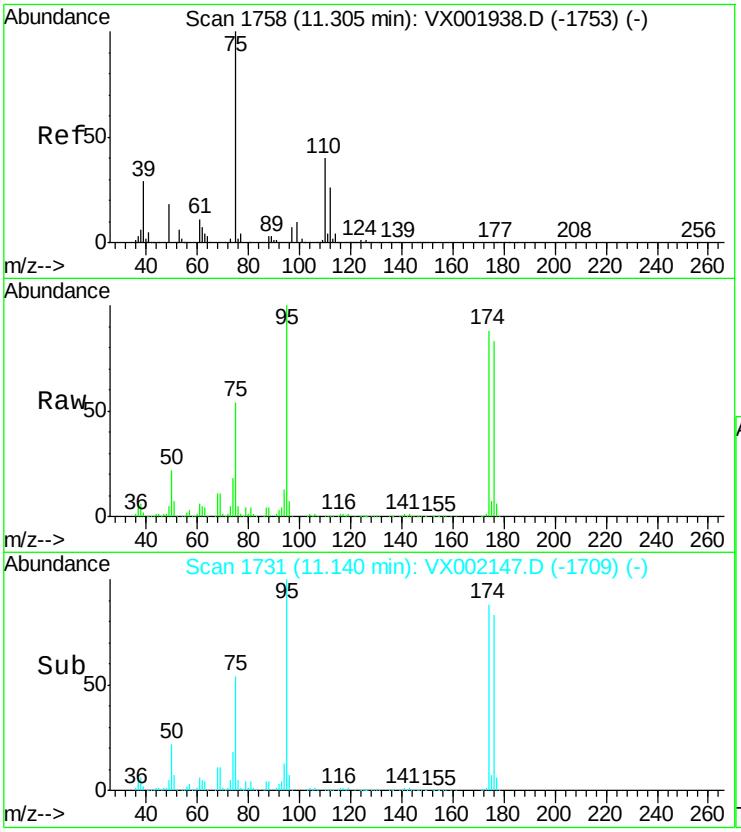




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.14 min Scan# 1731
Delta R.T. -0.13 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 83 Resp: 371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 103.5 | 5.7 | 17.0# |
| 85 | 0.0 | 32.6 | 97.7# |



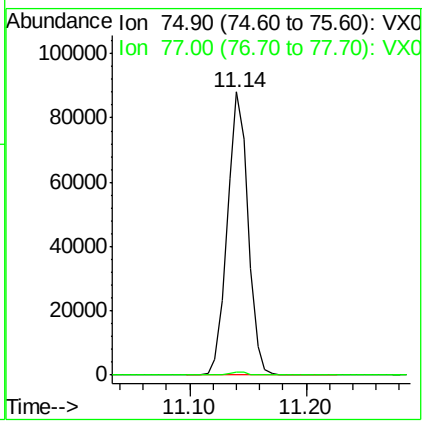


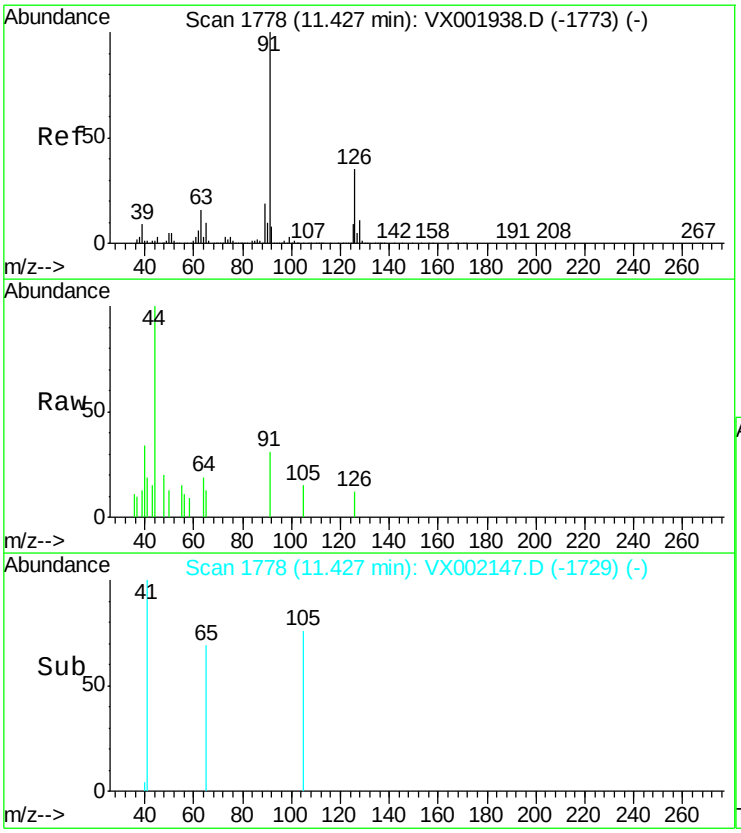

#76
1,2,3-Trichloropropane
Concen: 22.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 75 Resp: 108683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 22.8 | 68.3# |

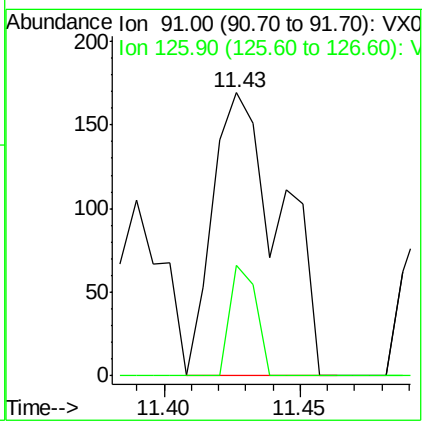


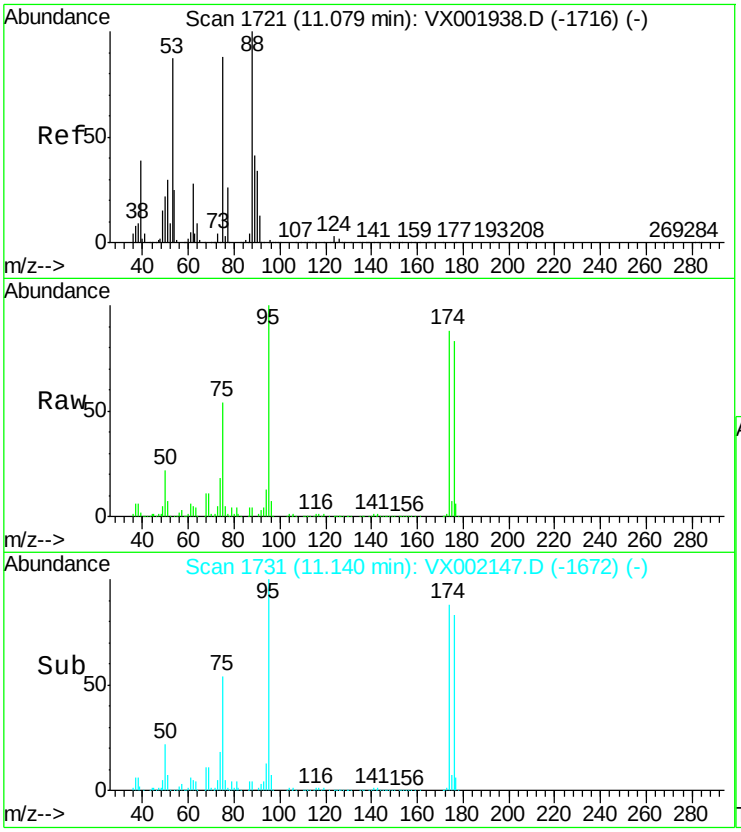




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

Tgt Ion: 91 Resp: 292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 15.1 | 17.4 | 52.2# |






#81
trans-1,4-Dichloro-2-butene
Concen: 53.15 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002147.D
Acq: 30 May 2018 19:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-23

Tgt Ion: 75 Resp: 108683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 78.0 | 117.0# |
| 89 | 0.1 | 39.4 | 59.2# |