Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012619\
Data File : VX007237.D
Acq On : 25 Jan 2019 18:55
Operator : JC/SP
Sample : PB116609ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 28 00:17:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 532928 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 825096 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 804969 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 382616 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 286017 | 51.35 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.70% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 258821 | 48.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.96% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1010003 | 52.22 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.44% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 356365 | 52.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 1170 | 0.230 | ug/l # | 82 |
| 5) Bromomethane | 1.65 | 94 | 1268 | 0.217 | ug/l # | 11 |
| 11) Tert butyl alcohol | 3.09 | 59 | 1238 | 0.942 | ug/l # | 21 |
| 13) Acrolein | 2.29 | 56 | 97 | 3.253 | ug/l # | 13 |
| 16) Acetone | 2.45 | 43 | 13924 | 5.057 | ug/l # | 87 |
| 18) Methyl Acetate | 2.78 | 43 | 26451 | 3.317 | ug/l | 97 |
| 20) Methylene Chloride | 2.86 | 84 | 14330 | 2.195 | ug/l | 94 |
| 25) 2-Butanone | 4.71 | 43 | 5579 | 1.416 | ug/l # | 87 |
| 31) Cyclohexane | 5.67 | 56 | 8865 | 1.129 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 32997 | 4.600 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 48921 | 6.778 | ug/l # | 13 |
| 43) Isopropyl Acetate | 6.46 | 43 | 29282 | 2.414 | ug/l | 97 |
| 48) Methyl methacrylate | 7.68 | 41 | 14861 | 2.385 | ug/l # | 12 |
| 49) 1,4-Dioxane | 7.75 | 88 | 23 | Below Cal | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 146710 | 18.818 | ug/l # | 48 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 72067 | 8.940 | ug/l # | 62 |
| 57) 1,3-Dichloropropane | 9.54 | 76 | 17200 | 1.864 | ug/l # | 44 |
| 59) 2-Hexanone | 9.54 | 43 | 221921 | 37.354 | ug/l # | 51 |
| 71) Bromoform | 10.85 | 173 | 127 | 4.749 | ug/l # | 28 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 170959 | 22.049 | ug/l # | 40 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 170959 | 65.290 | ug/l # | 10 |
| 88) 1,4-Dichlorobenzene | 12.08 | 146 | 1028 | 0.225 | ug/l # | 1 |
| 90) Hexachloroethane | 12.55 | 117 | 47 | 2.920 | ug/l | 74 |

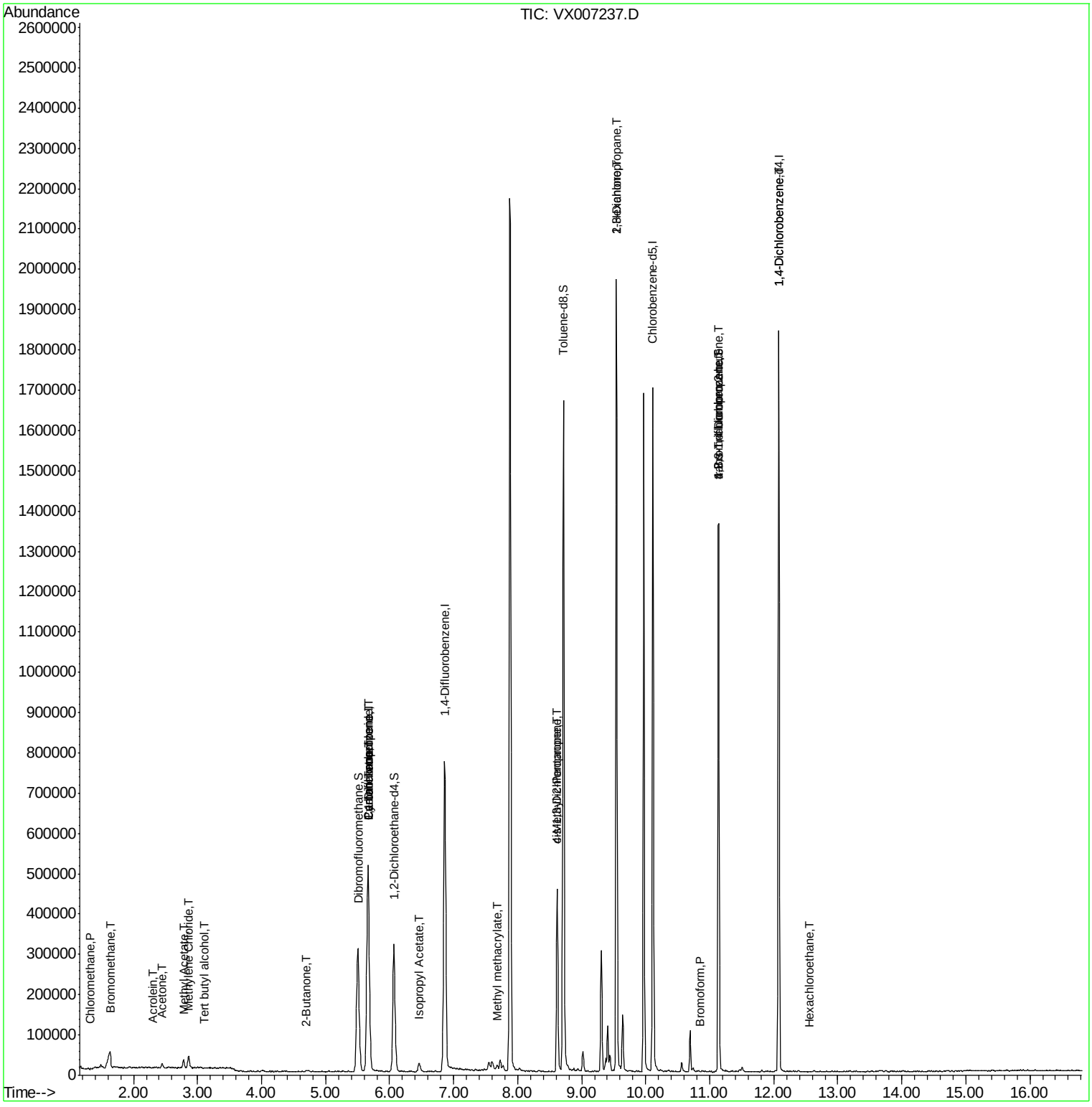
(#) = qualifier out of range (m) = manual integration (+) = signals summed

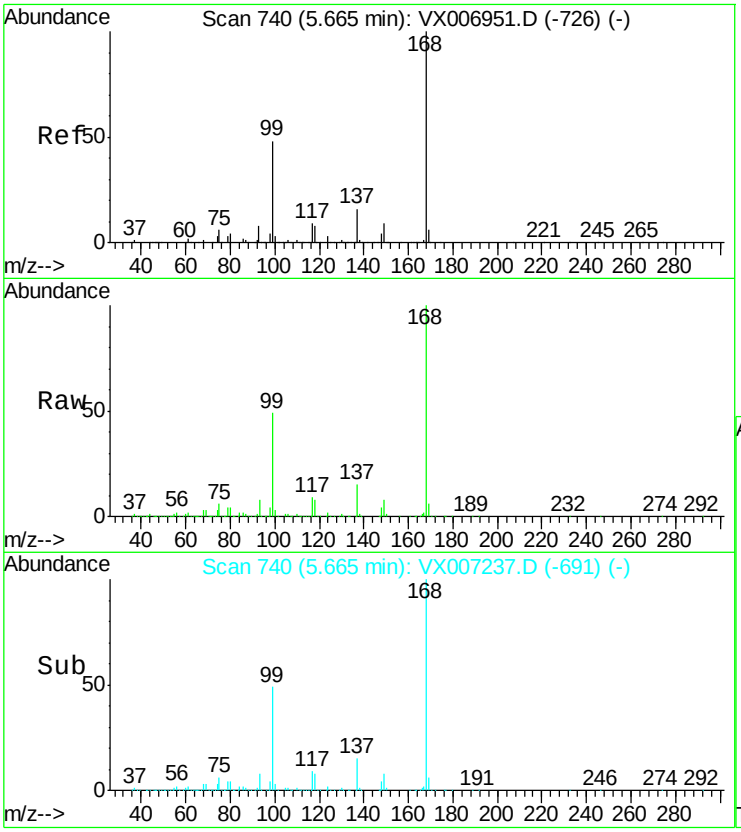
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
Data File : VX007237.D
Acq On : 25 Jan 2019 18:55
Operator : JC/SP
Sample : PB116609ZHE#03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 28 00:17:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration



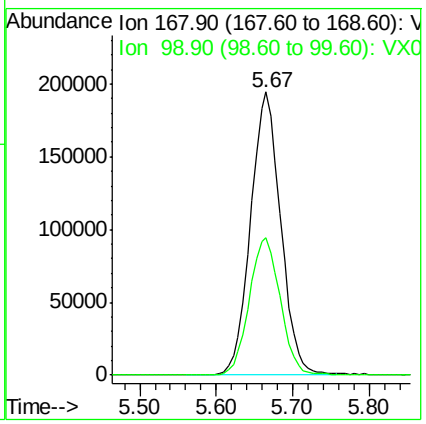


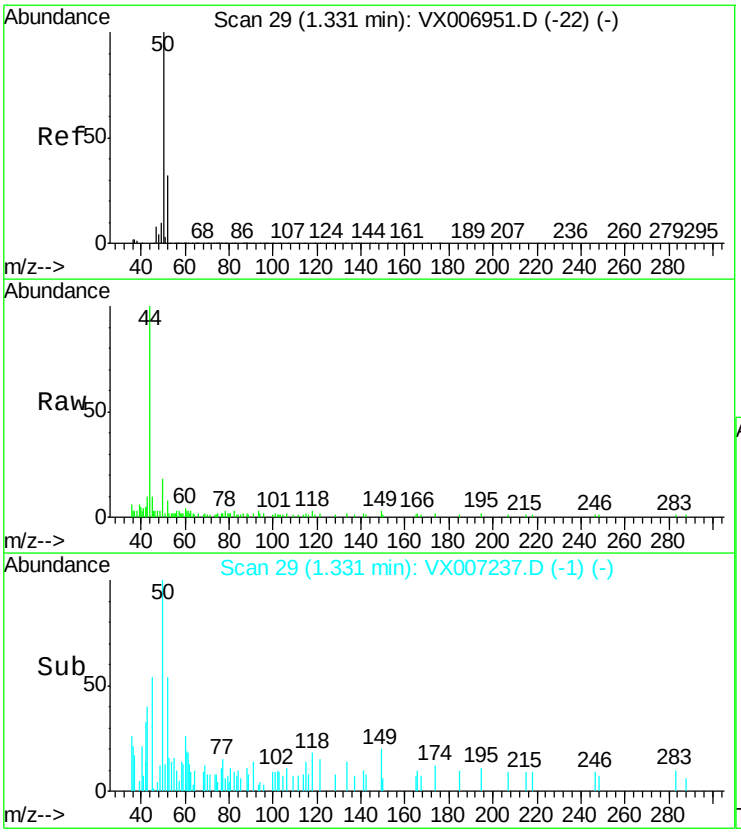

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:168 Resp: 532928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.6 | 41.8 | 62.8 |

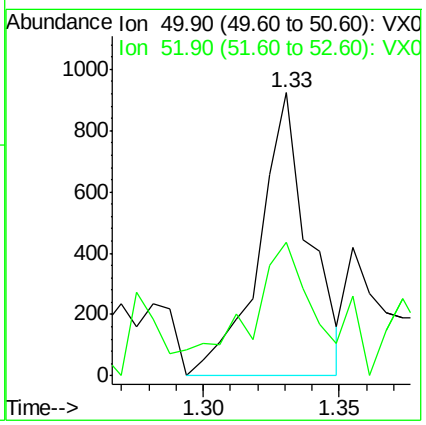


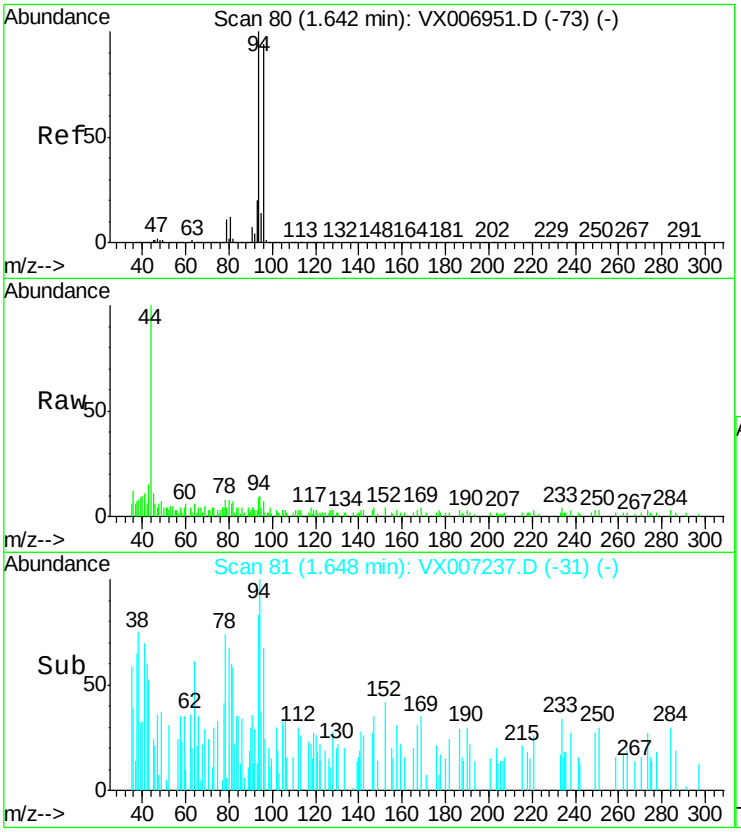




#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 50 Resp: 1170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 41.8 | 25.4 | 38.2# |



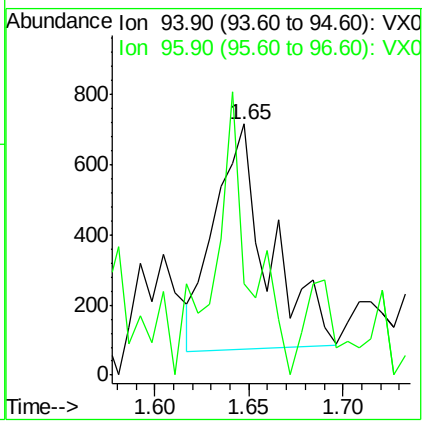


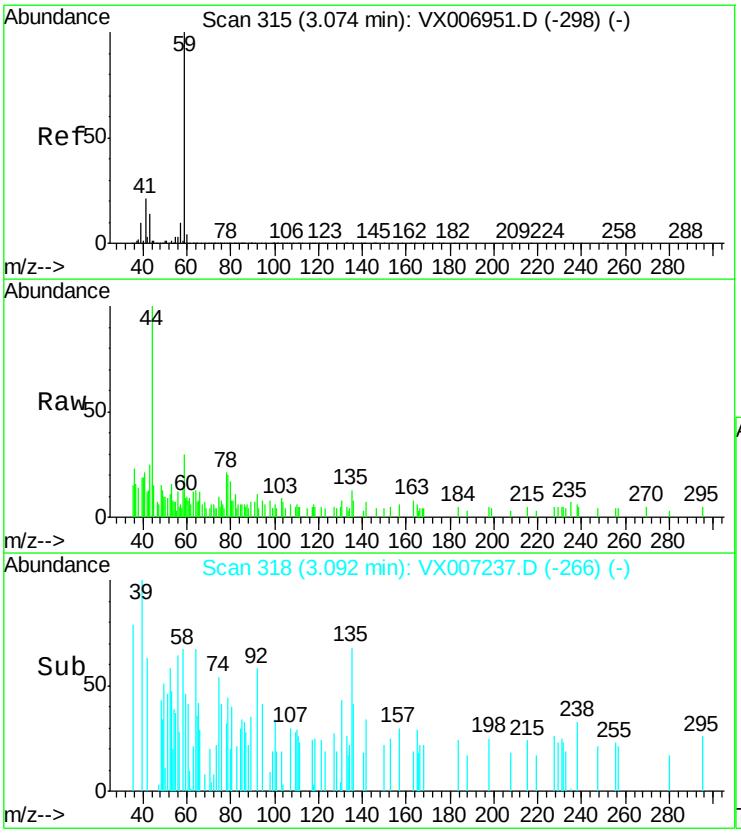

#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 94 Resp: 1268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 7.0 | 73.4 | 110.2# |

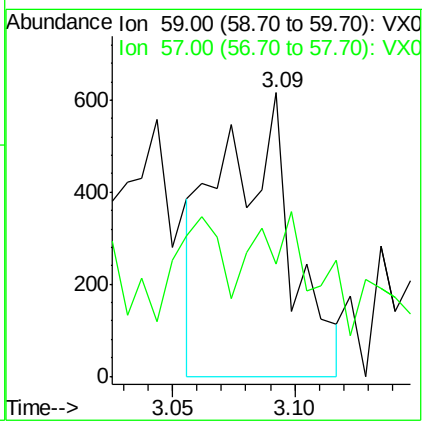


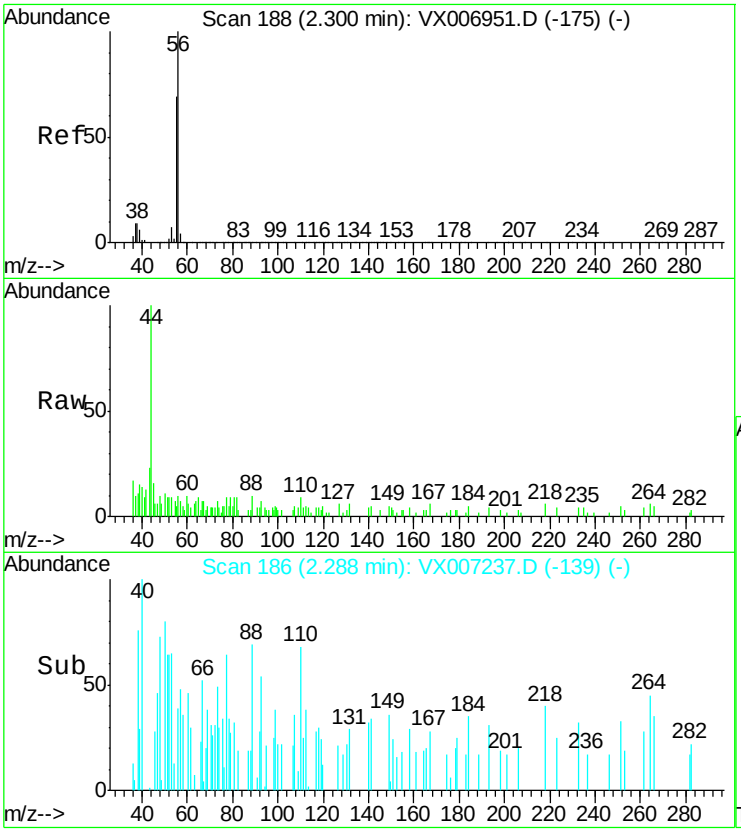




#11
Tert butyl alcohol
Concen: 0.942 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 59 Resp: 1238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 40.4 | 8.5 | 12.7# |



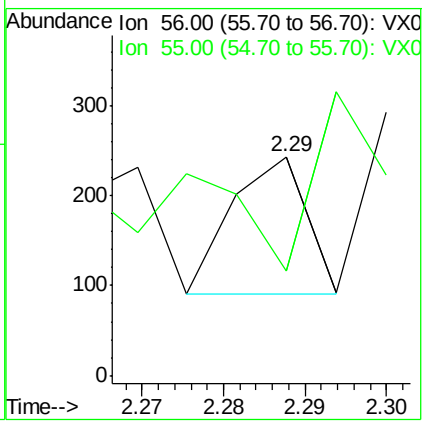


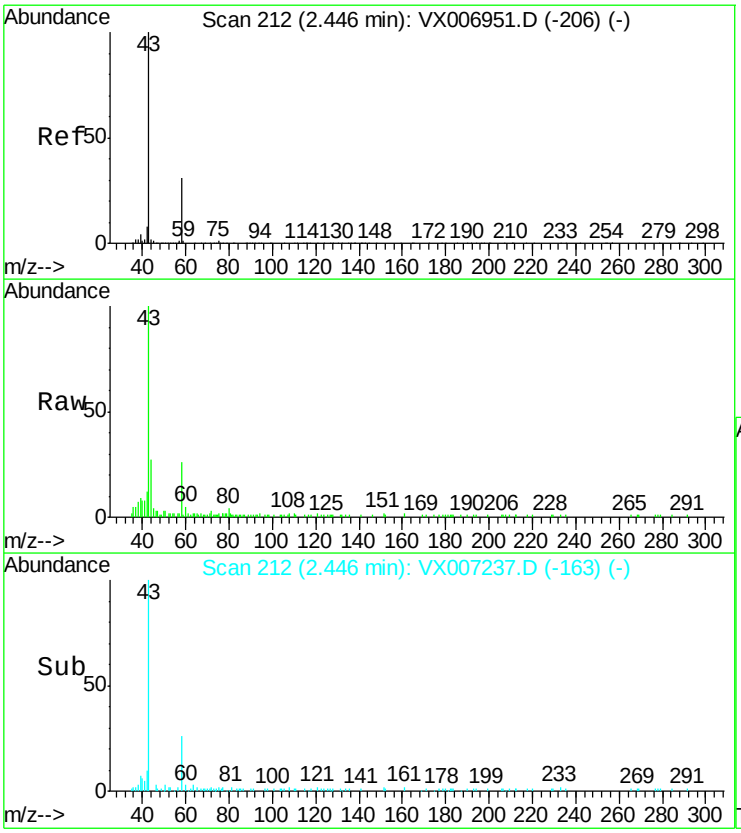

#13
Acrolein
Concen: 3.253 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 56 Resp: 97

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.2 | 87.4# |

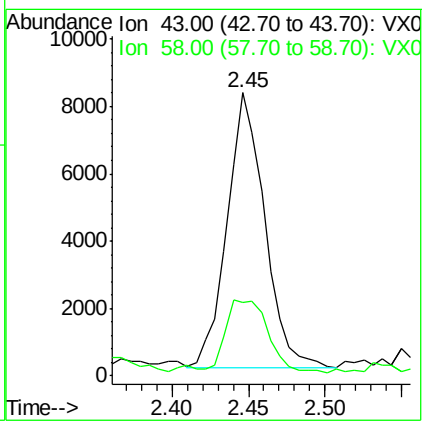


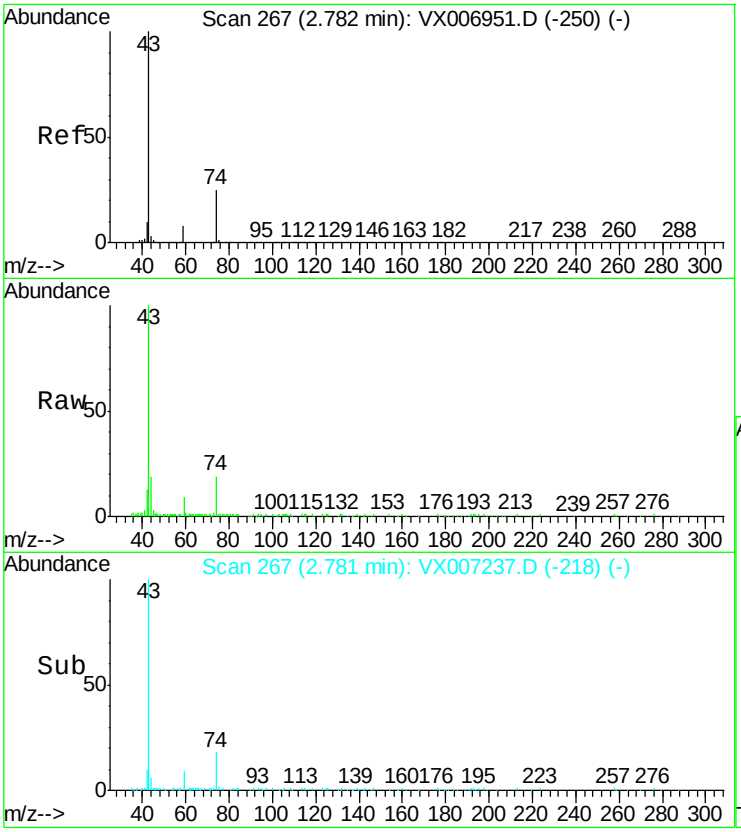




#16
Acetone
Concen: 5.057 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 43 Resp: 13924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.2 | 25.0 | 37.6# |



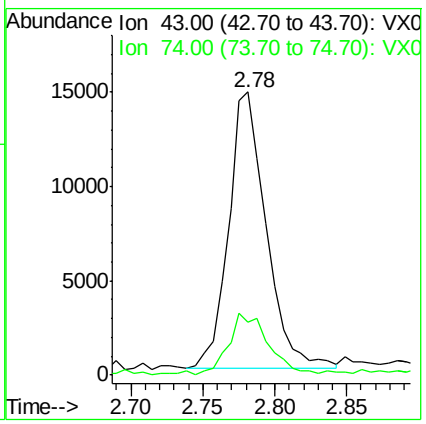


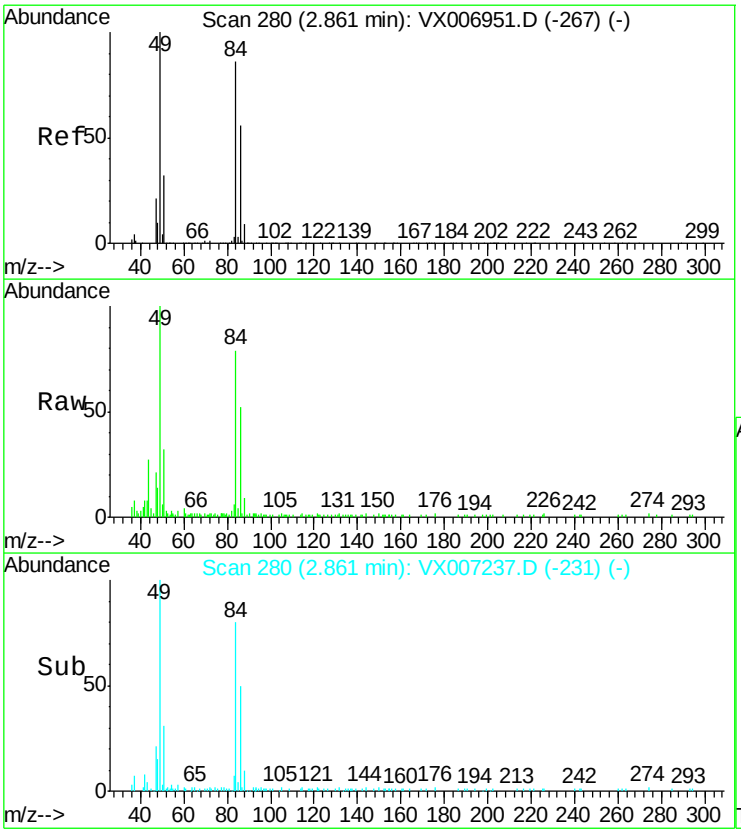

#18
Methyl Acetate
Concen: 3.317 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 43 Resp: 26451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.8 | 18.6 | 28.0 |

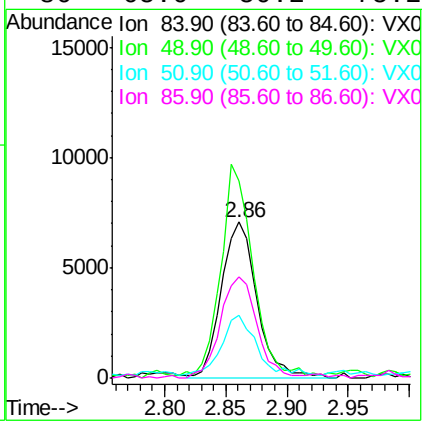


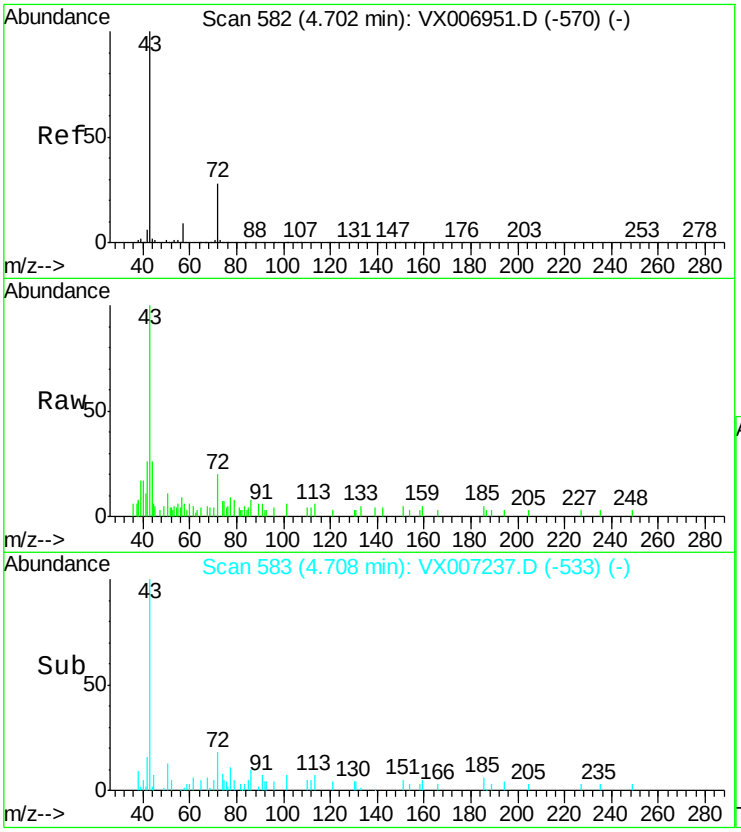




#20
Methylene Chloride
Concen: 2.195 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 84 Resp: 14330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.9 | 91.8 | 137.6 |
| 51 | 37.7 | 28.5 | 42.7 |
| 86 | 65.0 | 50.2 | 75.2 |



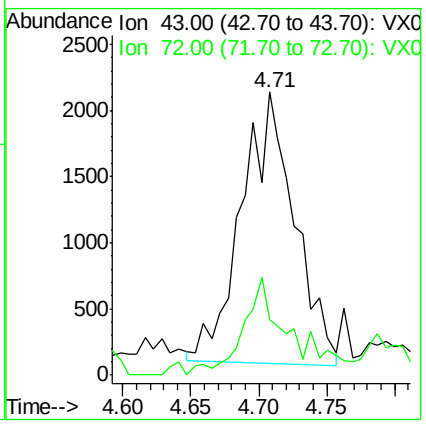


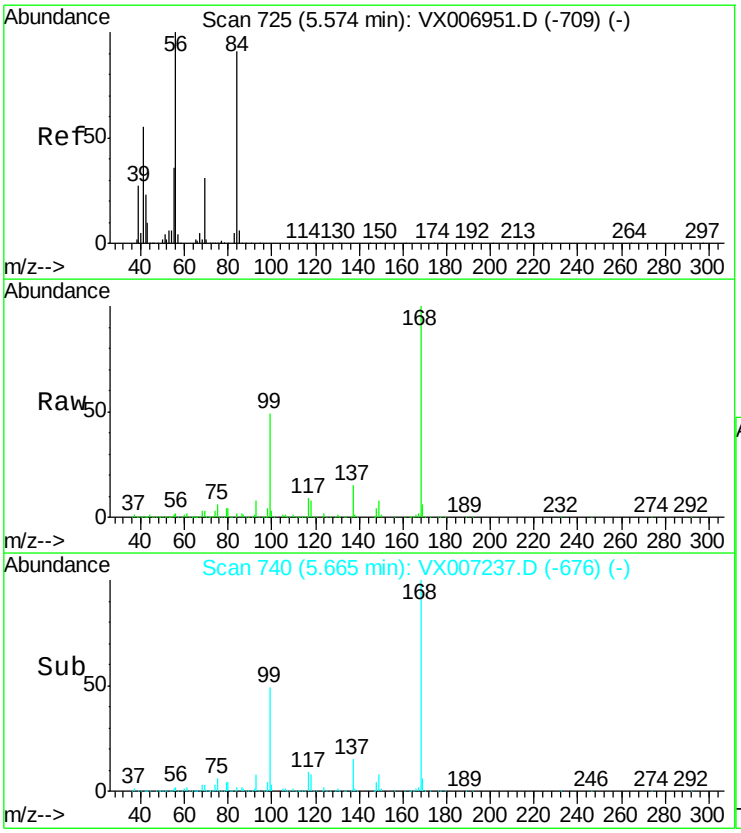

#25
2-Butanone
Concen: 1.416 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 43 Resp: 5579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.3 | 22.4 | 33.6# |

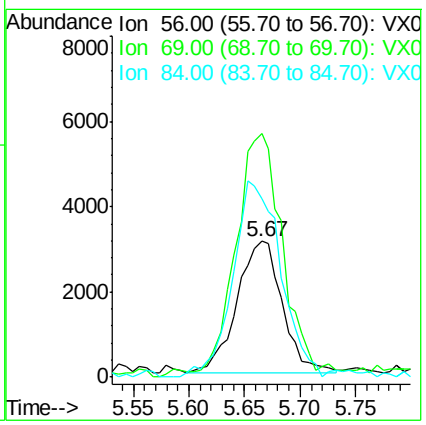


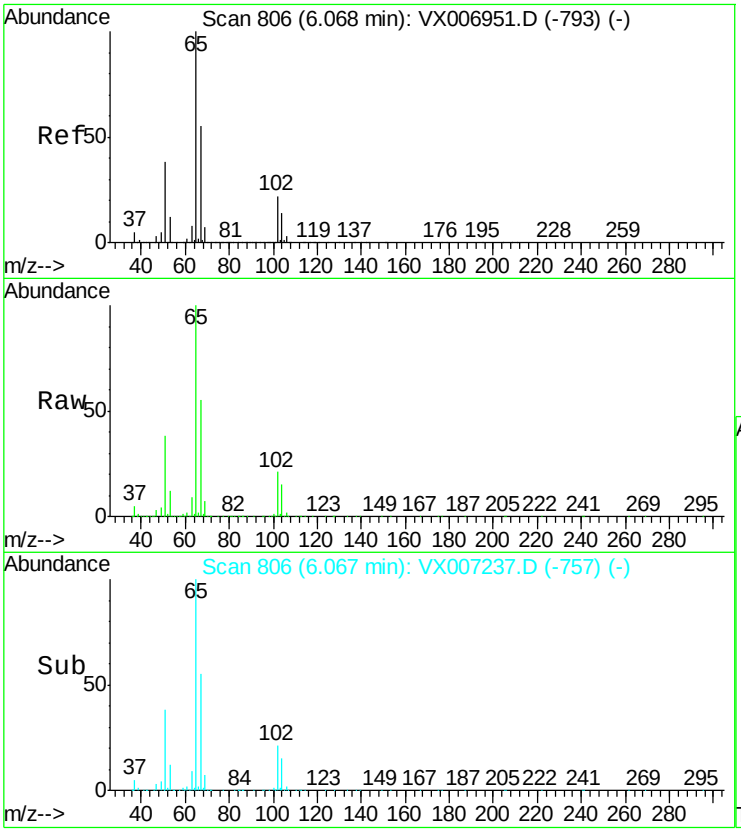




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 56 Resp: 8865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 180.7 | 24.4 | 36.6# |
| 84 | 131.8 | 70.0 | 105.0# |



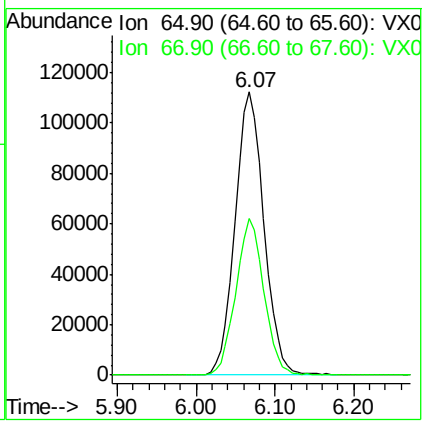


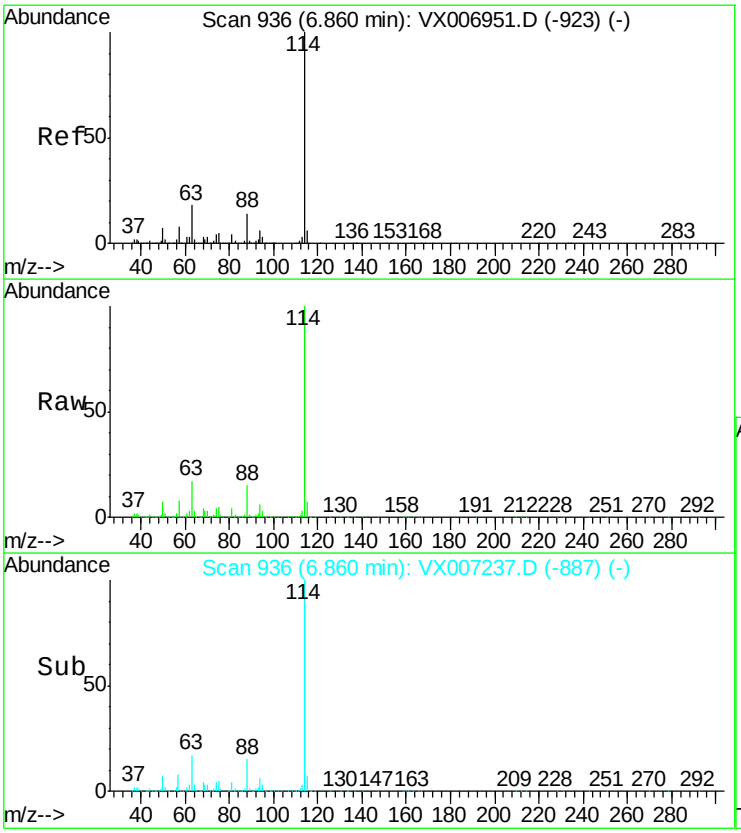

#33
1,2-Dichloroethane-d4
Concen: 51.354 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 65 Resp: 286017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.0 | 0.0 | 105.0 |

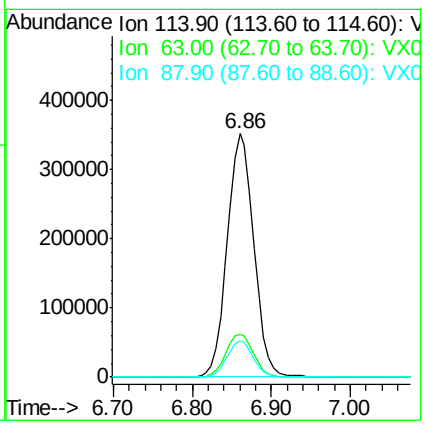


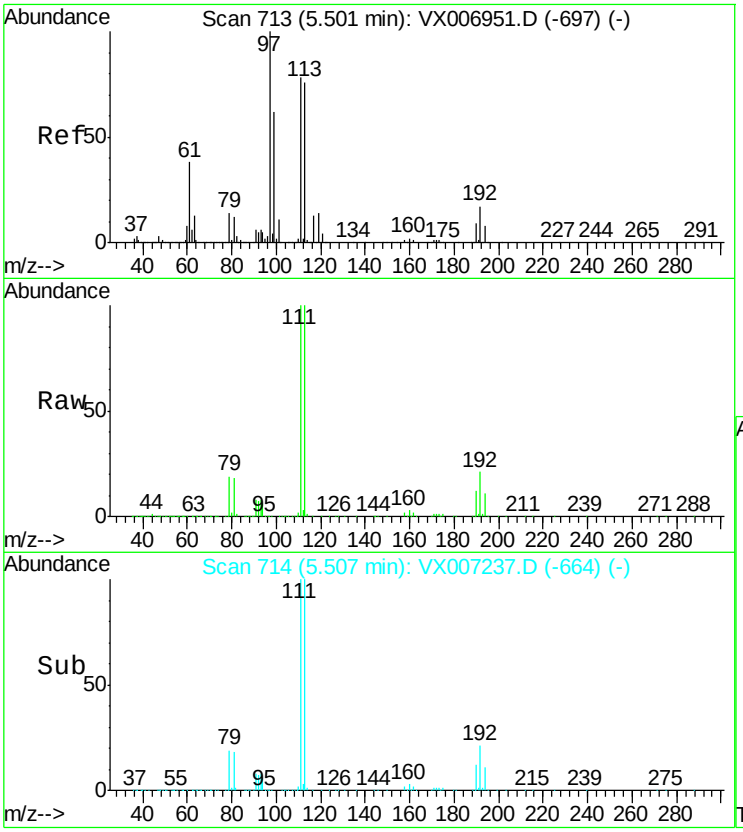




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion:114 Resp: 825096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.5 | 0.0 | 34.8 |
| 88 | 14.7 | 0.0 | 28.8 |



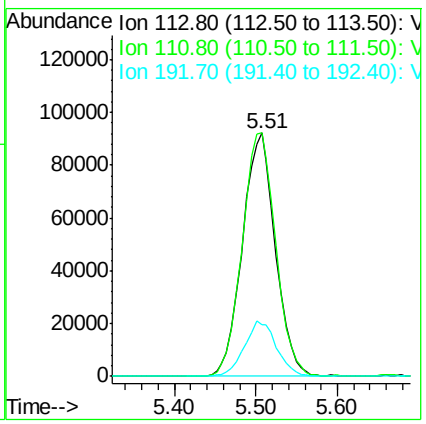


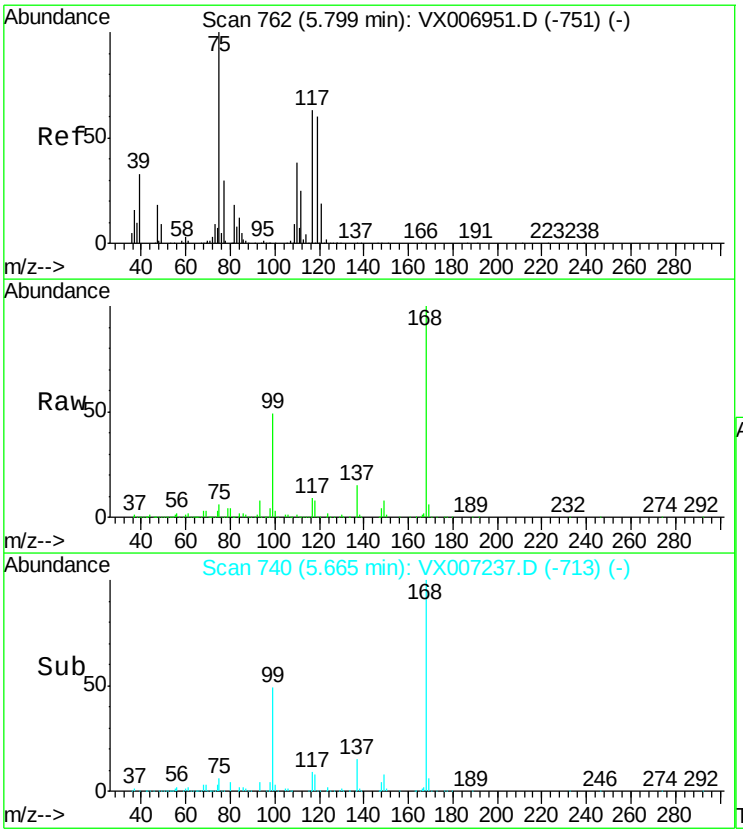

#35
Dibromofluoromethane
Concen: 48.983 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:113 Resp: 258821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 81.6 | 122.4 |
| 192 | 22.3 | 16.7 | 25.1 |

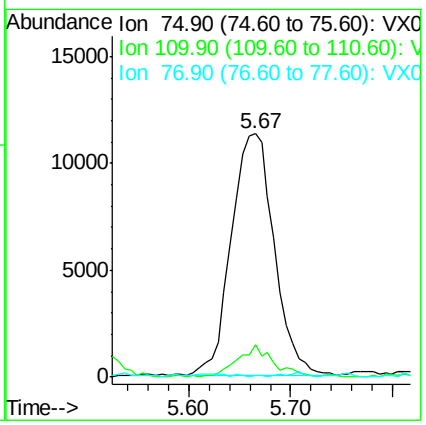


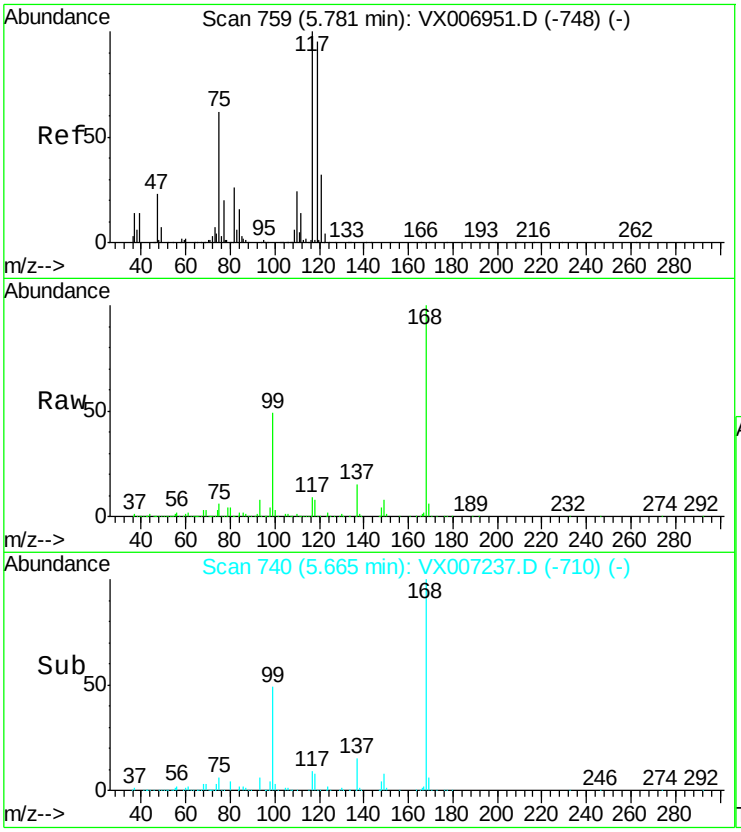




#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 75 Resp: 32997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.0 | 20.2 | 60.5# |
| 77 | 0.2 | 24.8 | 37.2# |



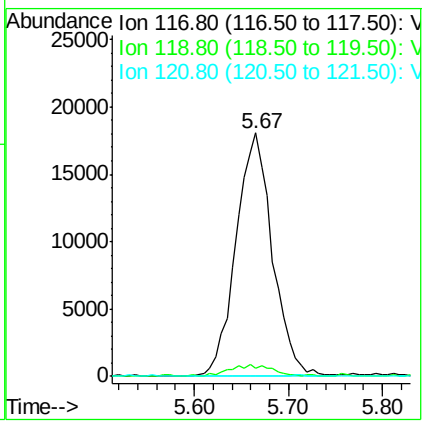


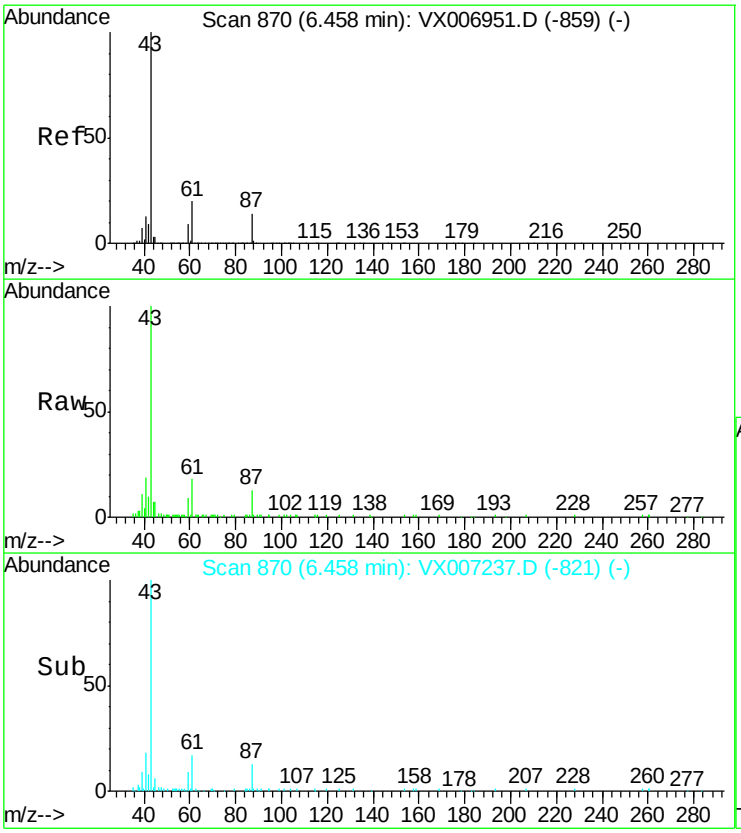

#38
Carbon Tetrachloride
Concen: 6.778 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:117 Resp: 48921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.6 | 79.4 | 119.2# |
| 121 | 0.0 | 24.0 | 36.0# |

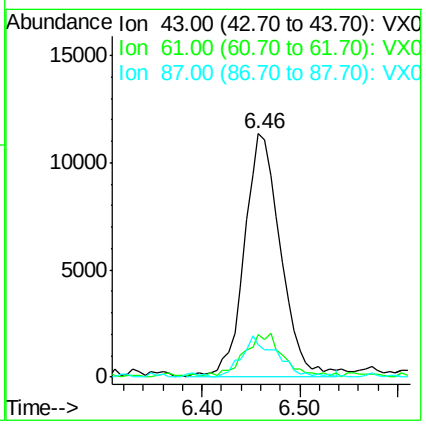


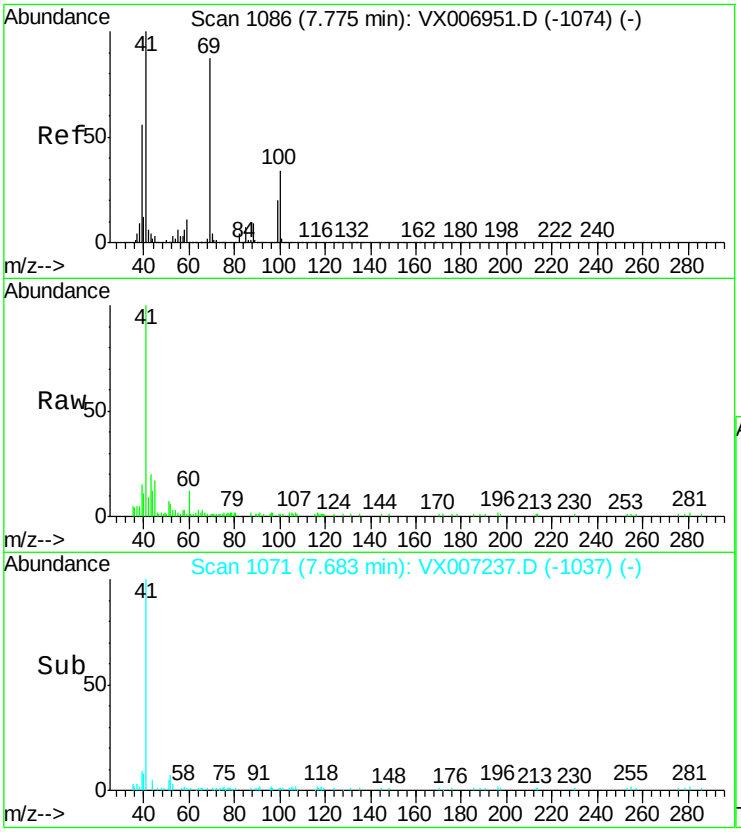




#43
Isopropyl Acetate
Concen: 2.414 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 43 Resp: 29282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.6 | 16.8 | 25.2 |
| 87 | 16.3 | 12.4 | 18.6 |



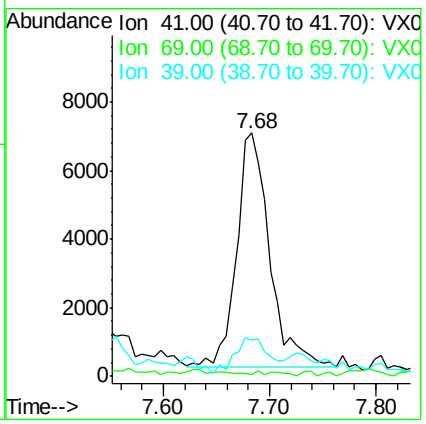


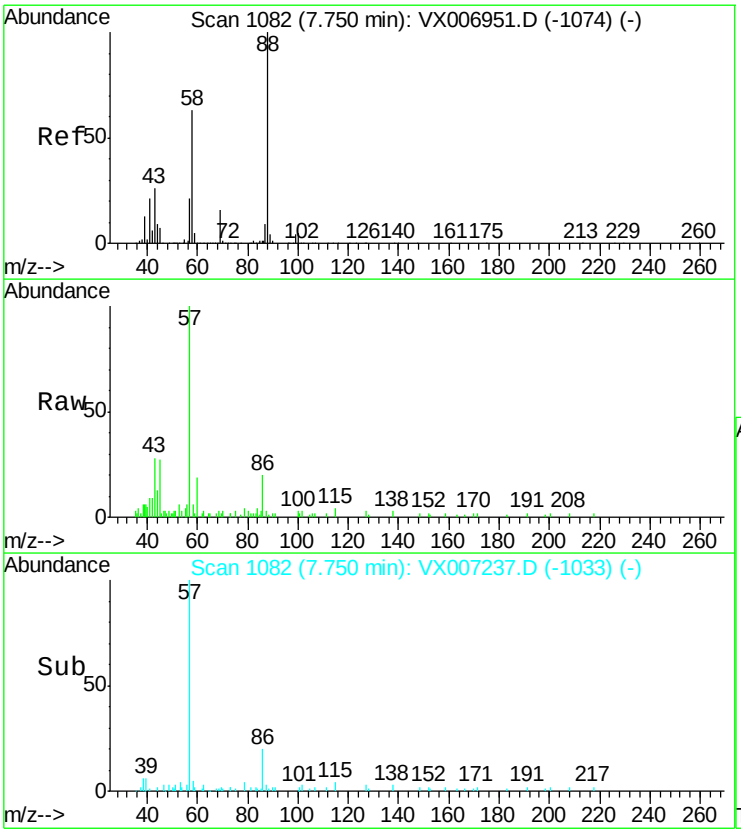

#48
Methyl methacrylate
Concen: 2.385 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 41 Resp: 14861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.4 | 72.4 | 108.6# |
| 39 | 0.0 | 45.8 | 68.8# |

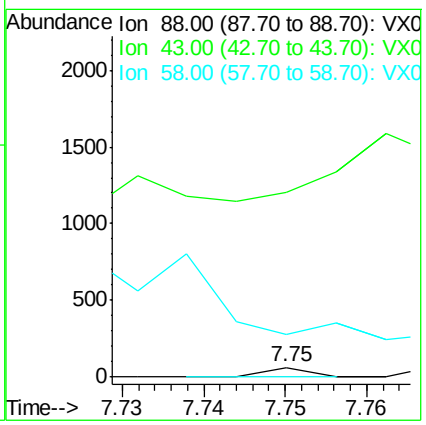


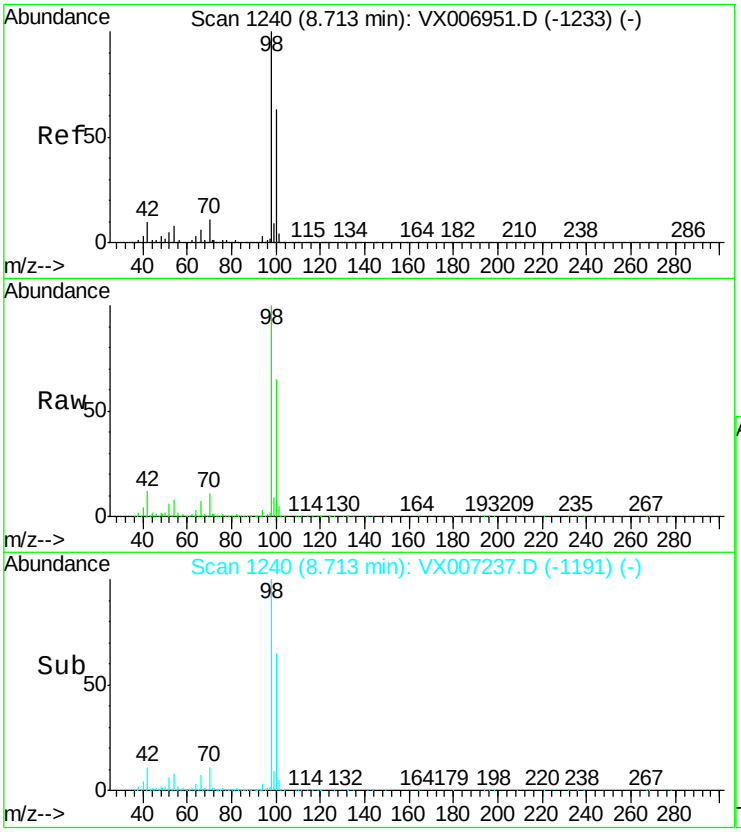




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 88 Resp: 23

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 22.2 | 33.4# |
| 58 | 5791.3 | 51.0 | 76.4# |



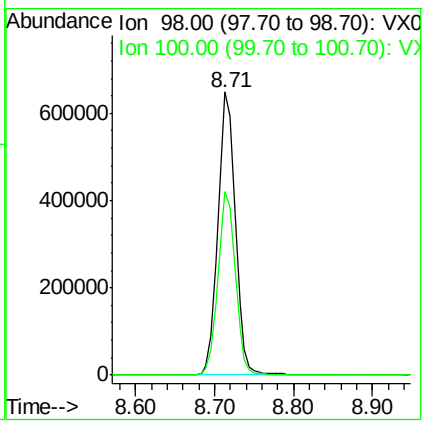


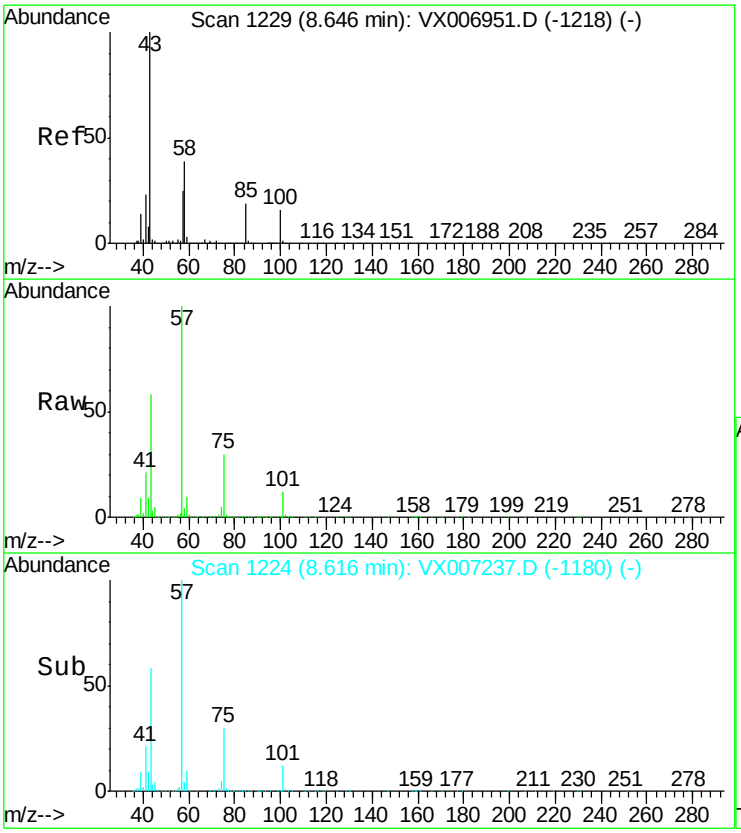

#50
Toluene-d8
Concen: 52.222 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 98 Resp: 1010003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 52.0 | 78.0 |

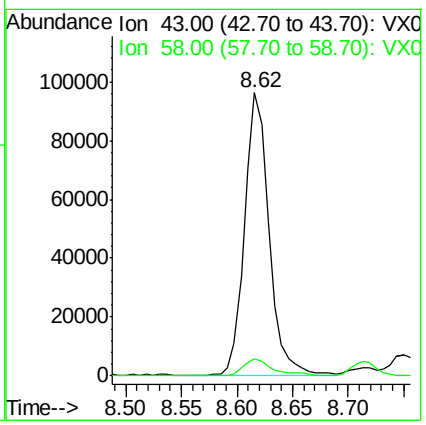


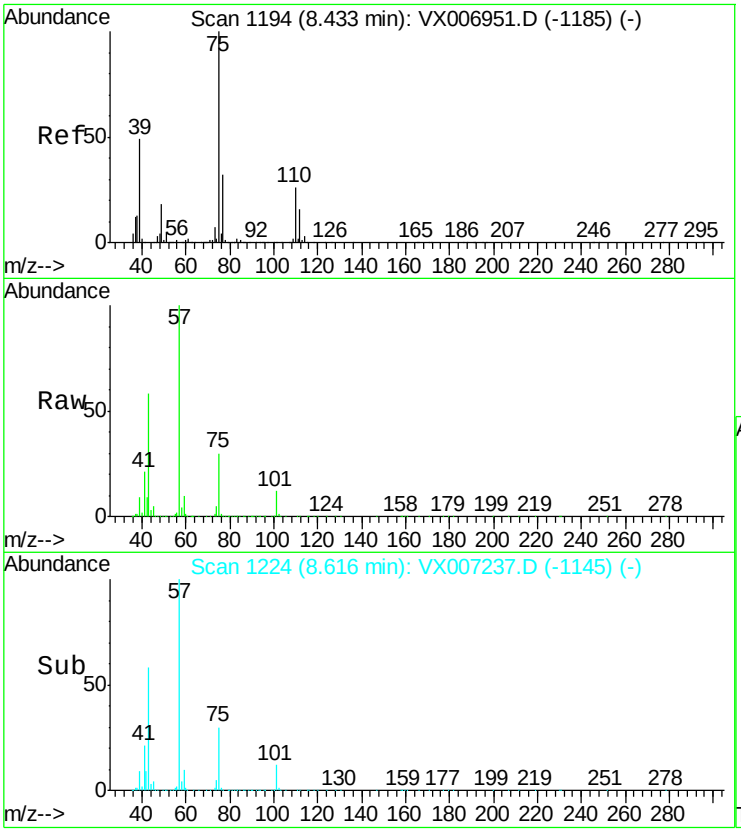




#51
4-Methyl-2-Pentanone
Concen: 18.818 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 43 Resp: 146710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.4 | 31.8 | 47.6# |



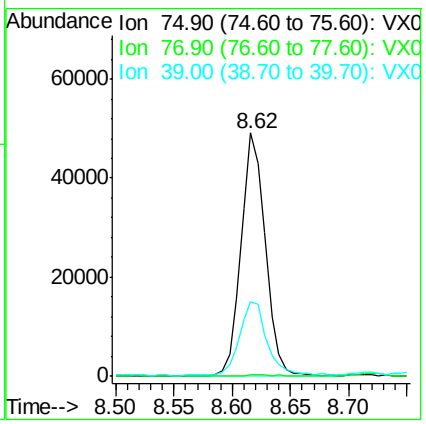


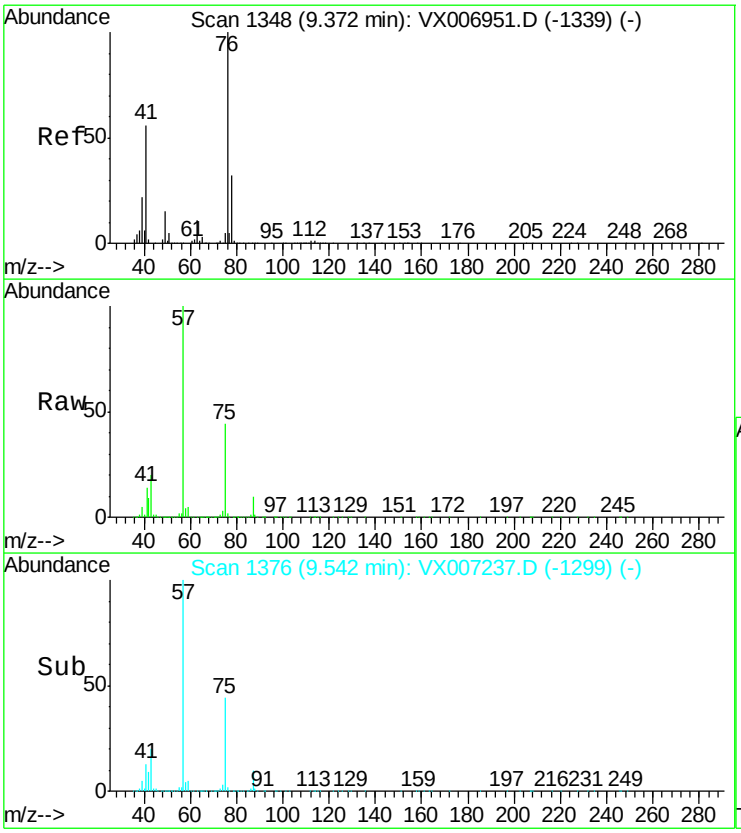

#54
cis-1,3-Dichloropropene
Concen: 8.940 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 75 Resp: 72067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.6 | 26.2 | 39.2# |
| 39 | 29.9 | 36.7 | 55.1# |

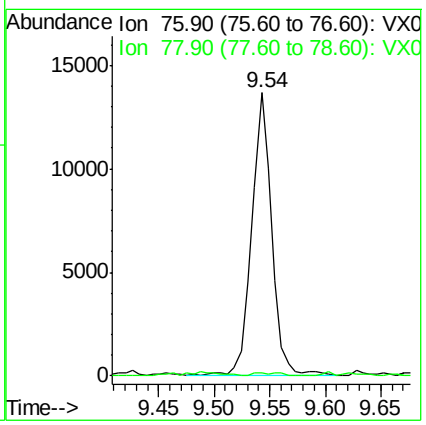


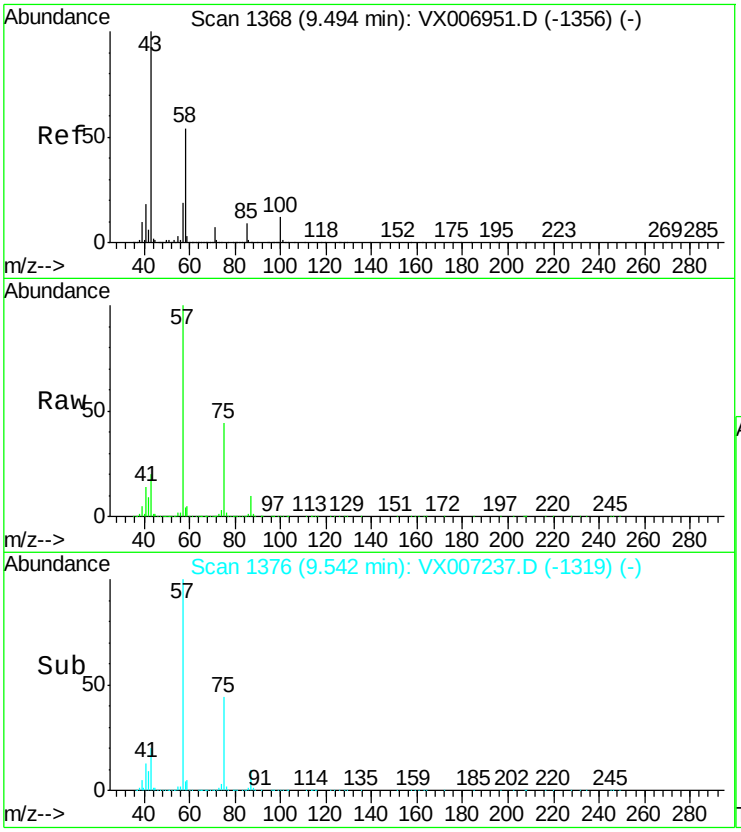




#57
1,3-Dichloropropane
Concen: 1.864 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.17 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 76 Resp: 17200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.8 | 26.0 | 39.0# |



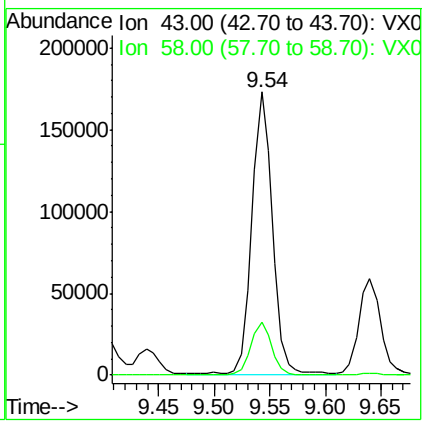


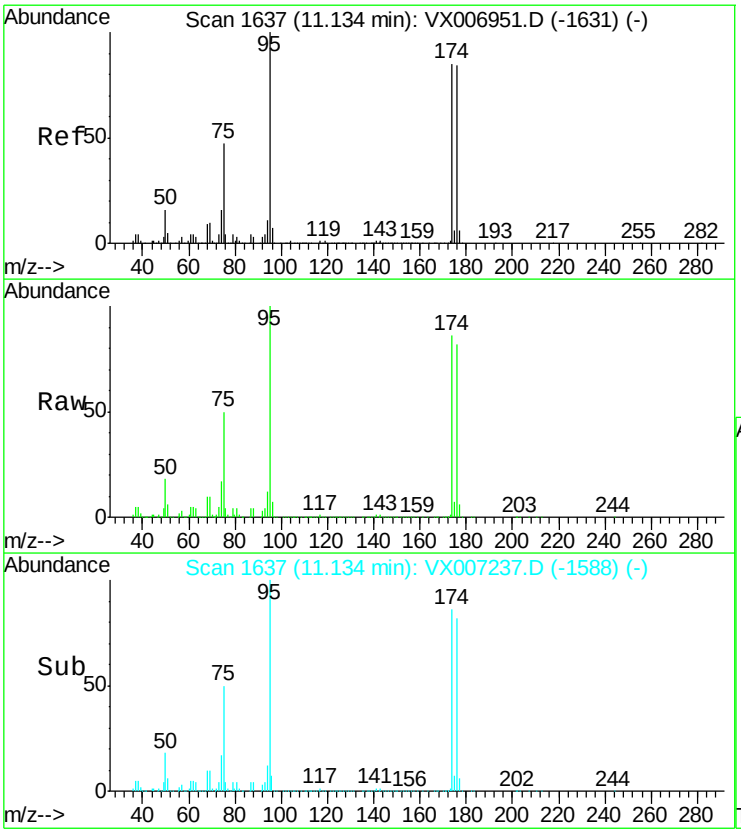

#59
2-Hexanone
Concen: 37.354 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 43 Resp: 221921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.5 | 27.7 | 83.1# |

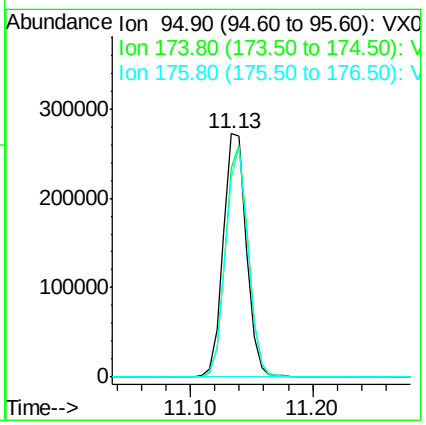


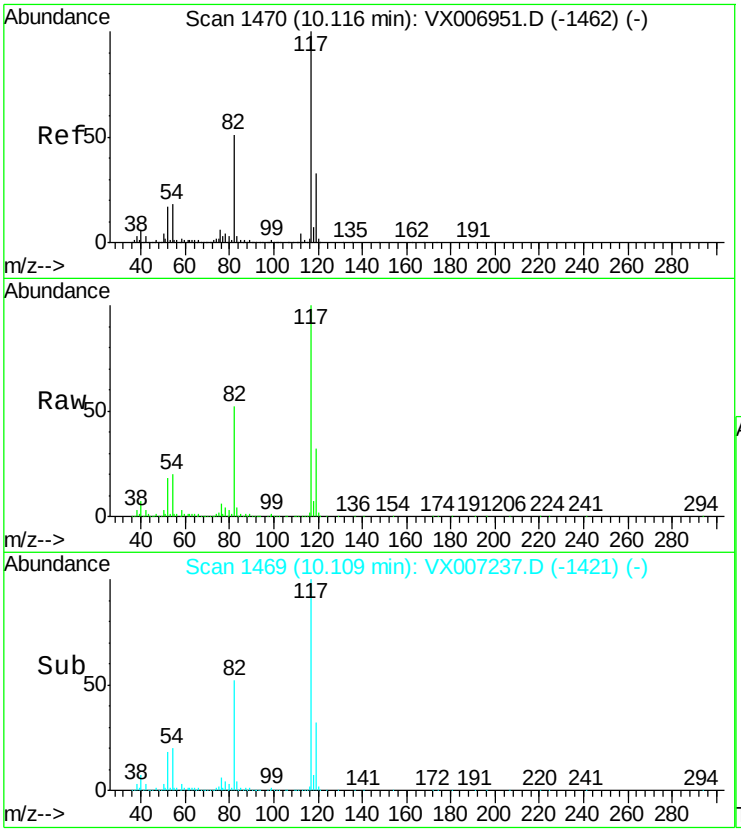




#62
4-Bromofluorobenzene
Concen: 52.853 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 95 Resp: 356365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.1 | 0.0 | 182.2 |
| 176 | 91.1 | 0.0 | 178.8 |



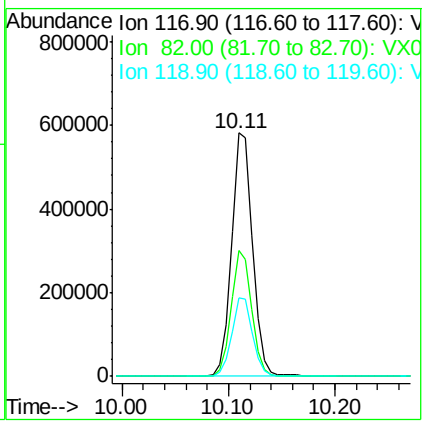


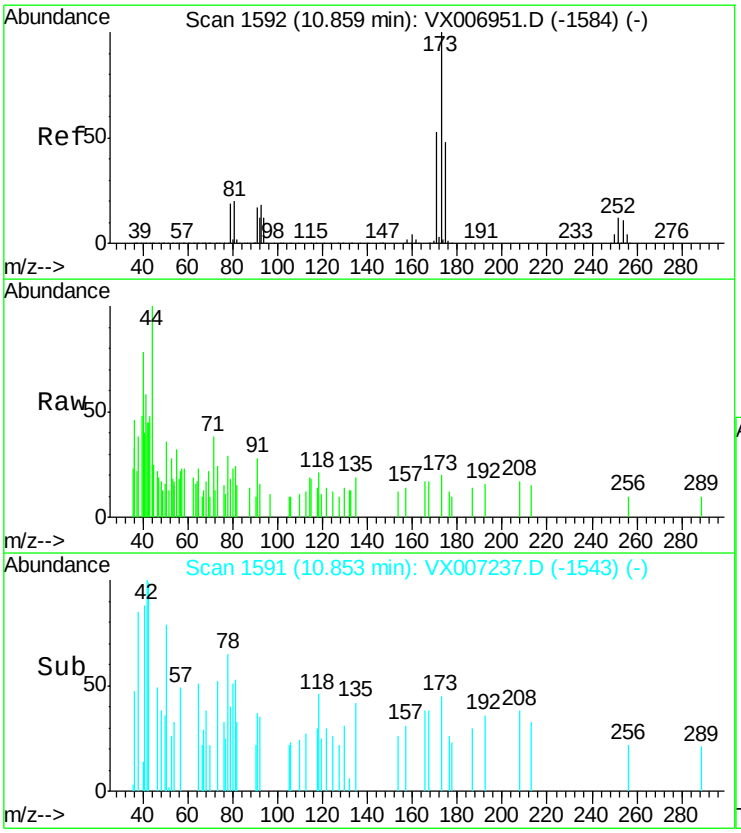

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:117 Resp: 804969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.7 | 41.0 | 61.6 |
| 119 | 32.1 | 25.4 | 38.0 |

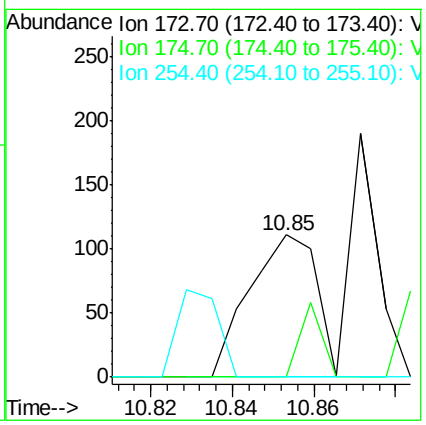


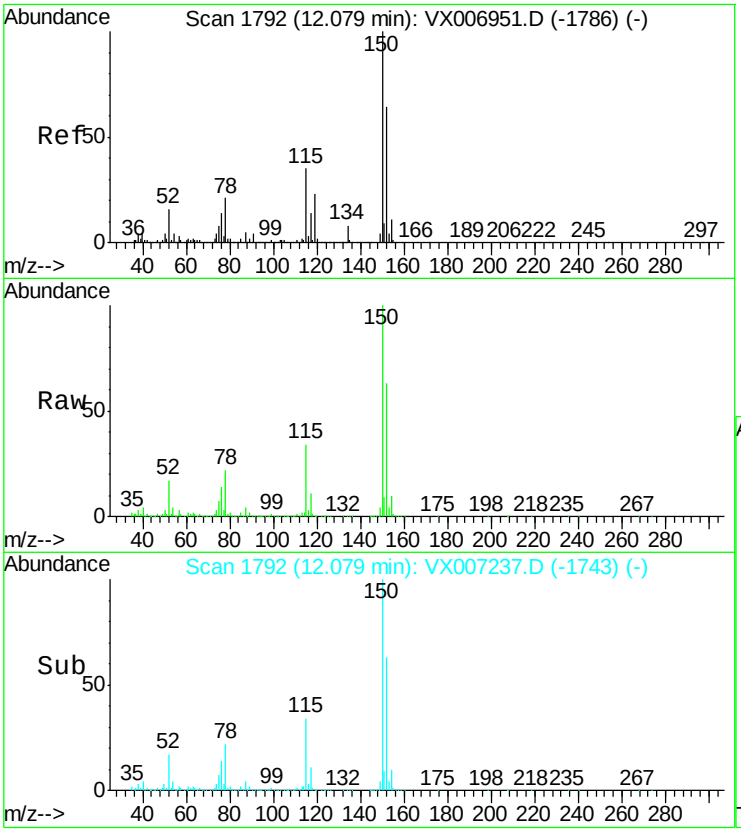




#71
Bromoform
Concen: 4.749 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion:173 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 24.7 | 74.1# |
| 254 | 0.0 | 0.2 | 0.2# |



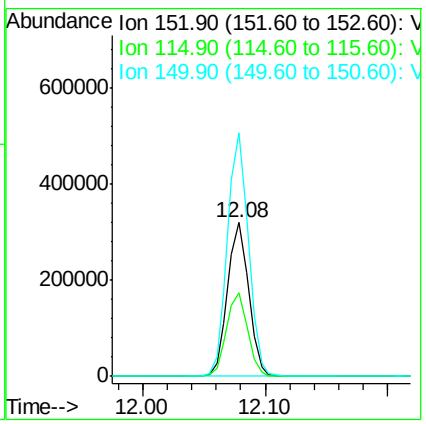


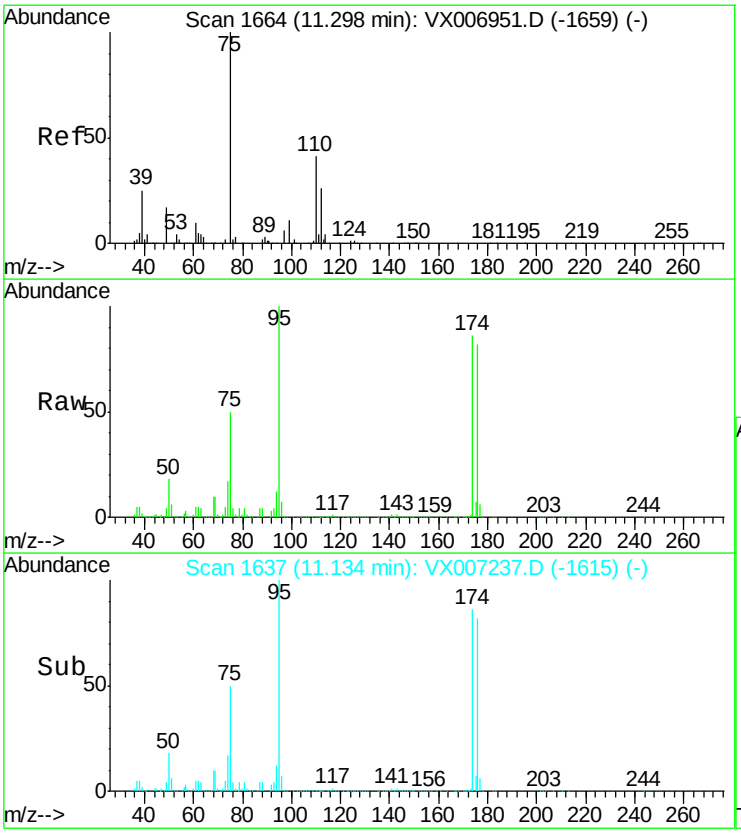

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:152 Resp: 382616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.3 | 39.1 | 117.2 |
| 150 | 156.6 | 0.0 | 344.8 |

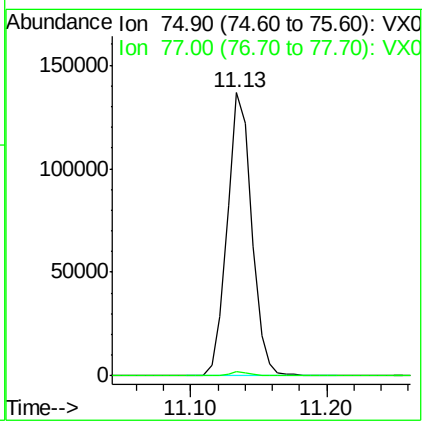


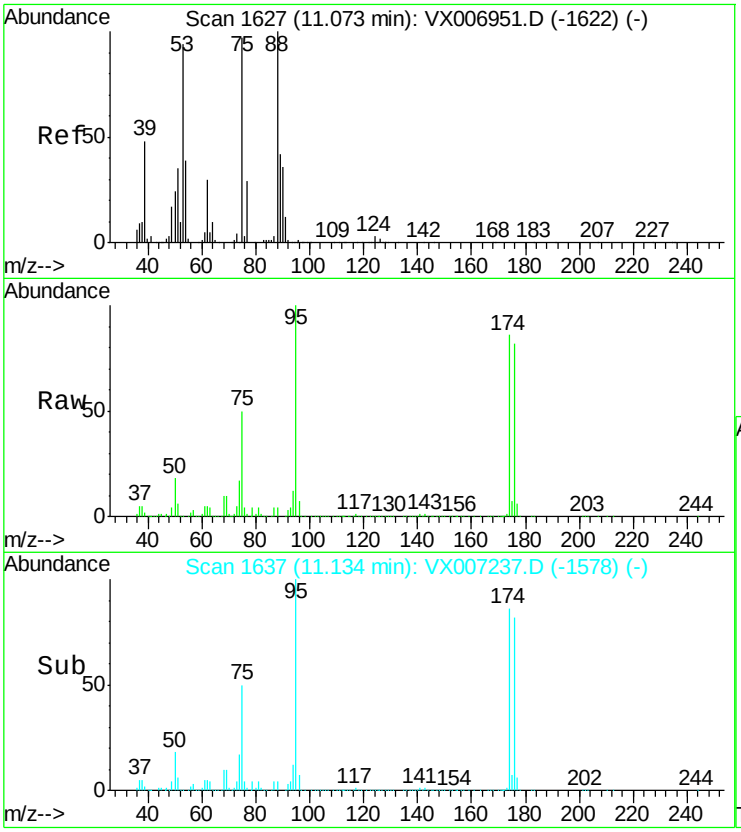




#76
1,2,3-Trichloropropane
Concen: 22.049 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion: 75 Resp: 170959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 18.5 | 55.5# |



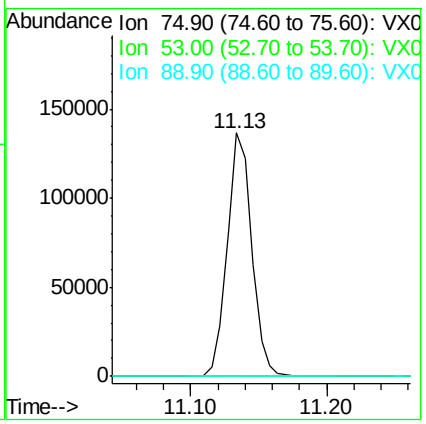


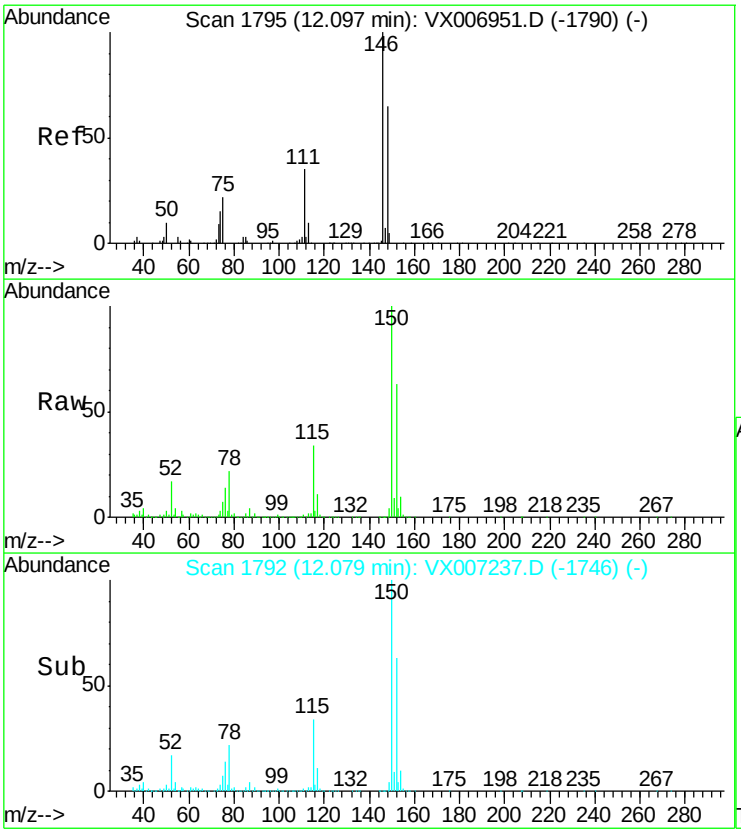

#81
trans-1,4-Dichloro-2-butene
Concen: 65.290 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion: 75 Resp: 170959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 79.7 | 119.5# |
| 89 | 0.0 | 38.0 | 57.0# |

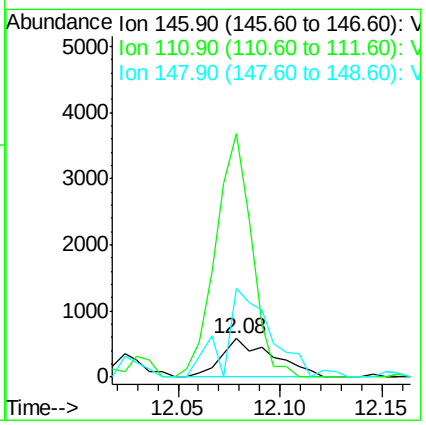


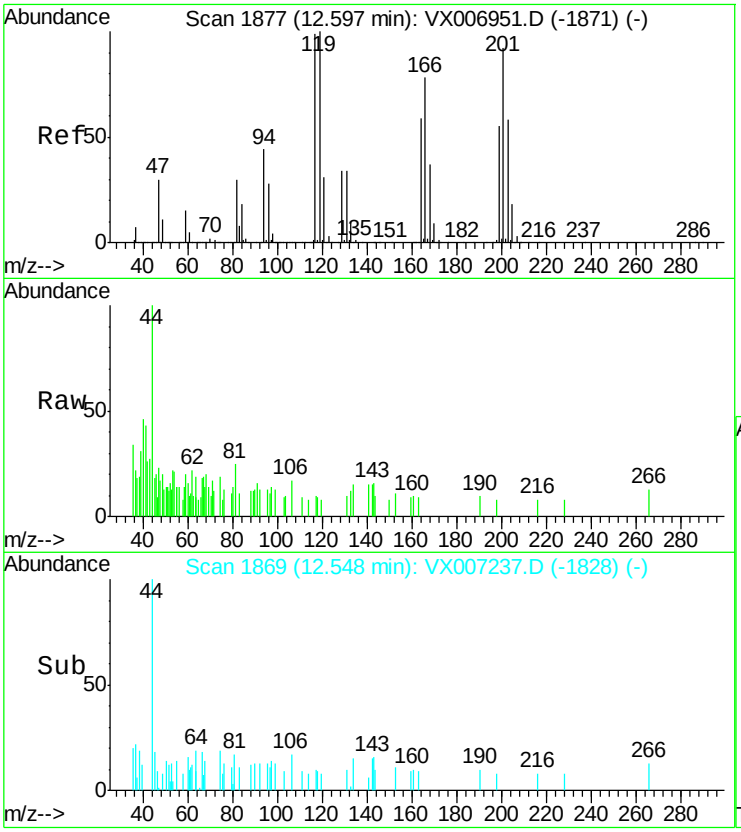




#88
1,4-Dichlorobenzene
Concen: 0.225 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.02 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

Tgt Ion:146 Resp: 1028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 440.7 | 18.1 | 54.1# |
| 148 | 207.5 | 31.9 | 95.9# |






#90
Hexachloroethane
Concen: 2.920 ug/l
RT: 12.55 min Scan# 1869
Delta R.T. -0.05 min
Lab File: VX007237.D
Acq: 25 Jan 2019 18:55

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

Tgt Ion:117 Resp: 47

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 61.7 | 42.9 | 128.7 |