Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
Data File : VX011205.D
Acq On : 30 Jul 2019 19:14
Operator : JC/SP
Sample : K4026-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-0674DL

Quant Time: Jul 31 08:42:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 211675 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 306283 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 271371 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 127858 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 105450 | 46.83 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.66% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 88916 | 45.74 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.48% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 355309 | 48.73 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.46% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 118769 | 44.32 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.64% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 563 | 0.289 | ug/l # | 1 |
| 4) Vinyl Chloride | 1.40 | 62 | 2080 | 1.048 | ug/l # | 86 |
| 5) Bromomethane | 1.65 | 94 | 759 | 0.678 | ug/l # | 57 |
| 11) Tert butyl alcohol | 3.02 | 59 | 3373 | 6.432 | ug/l # | 81 |
| 13) Acrolein | 2.28 | 56 | 228 | 0.752 | ug/l | 85 |
| 16) Acetone | 2.45 | 43 | 912 | 0.897 | ug/l # | 80 |
| 20) Methylene Chloride | 2.86 | 84 | 435 | 0.202 | ug/l # | 84 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 1805 | 0.902 | ug/l | 91 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 87824 | 37.932 | ug/l | 88 |
| 29) Tetrahydrofuran | 5.12 | 42 | 215 | 0.232 | ug/l # | 36 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 14538 | 5.779 | ug/l # | 44 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 20129 | 7.678 | ug/l # | 18 |
| 40) Benzene | 6.15 | 78 | 2924 | 0.379 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.69 | 88 | 22 | 0.381 | ug/l # | 1 |
| 65) Chlorobenzene | 10.14 | 112 | 10774 | 1.933 | ug/l | 96 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 60238 | 26.108 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 60238 | 64.861 | ug/l # | 11 |

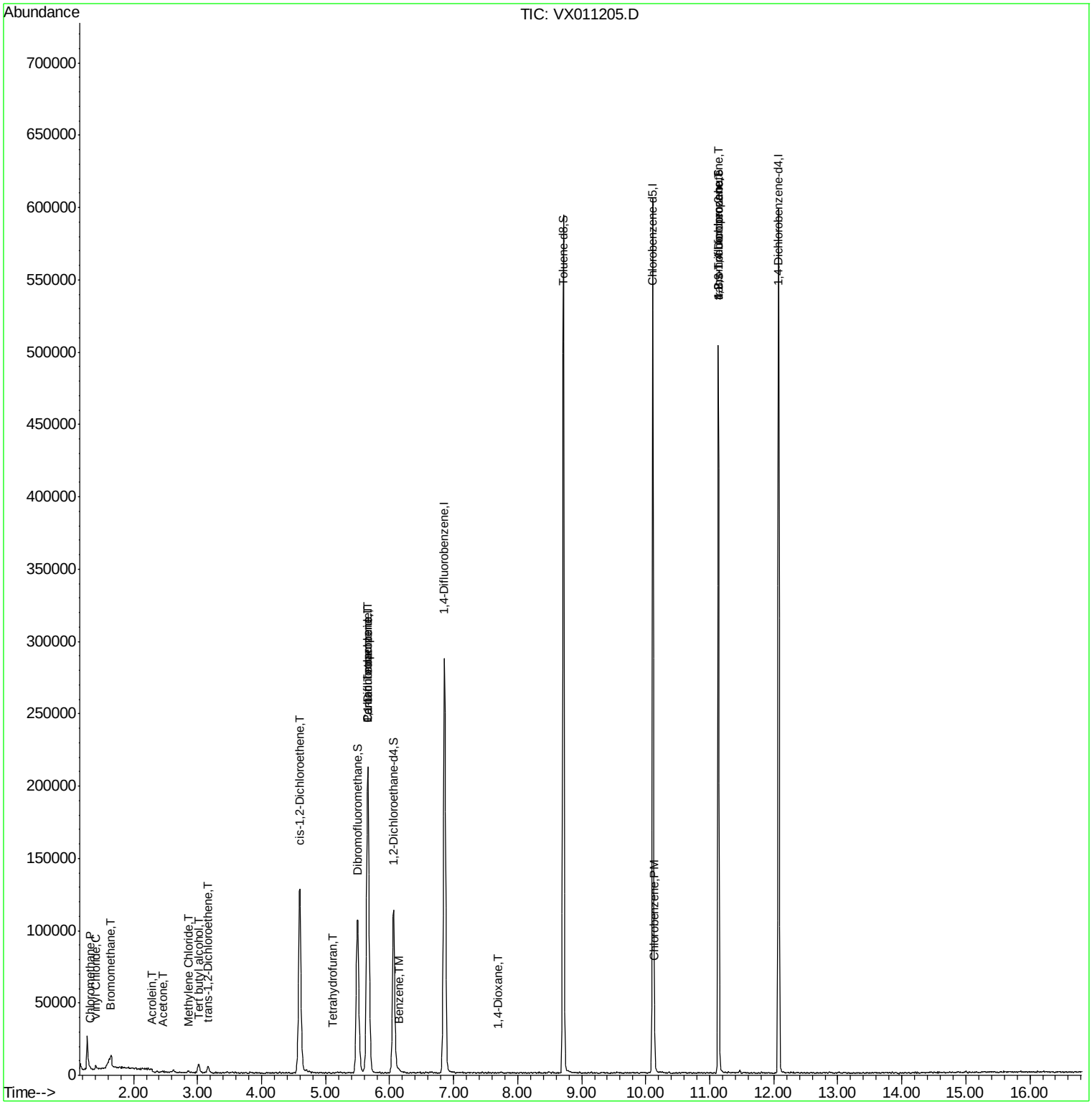
(#) = qualifier out of range (m) = manual integration (+) = signals summed

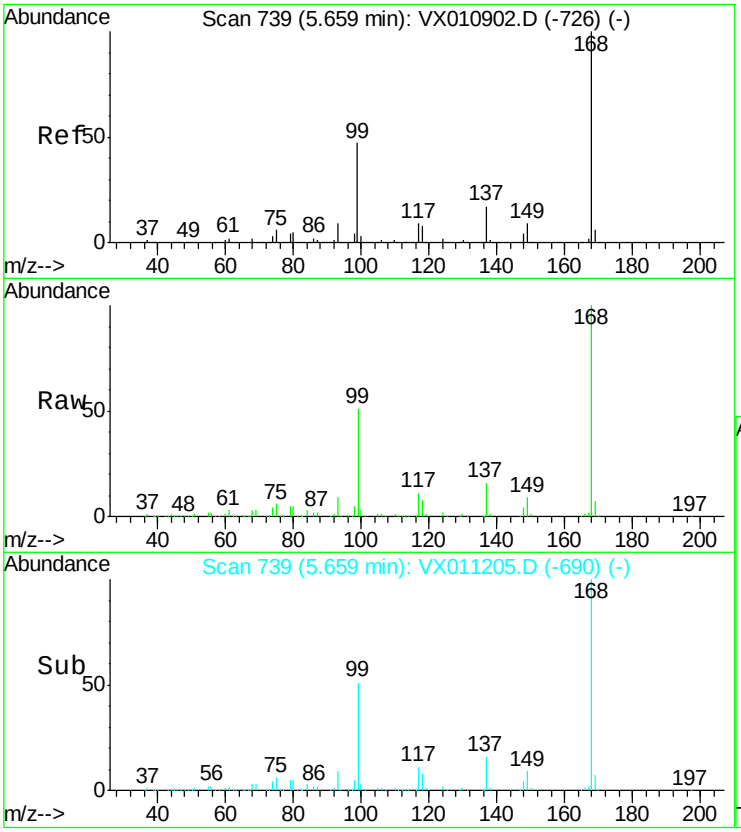
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
Data File : VX011205.D
Acq On : 30 Jul 2019 19:14
Operator : JC/SP
Sample : K4026-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Quant Time: Jul 31 08:42:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration



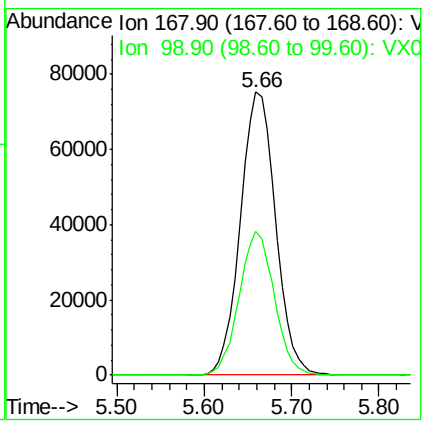


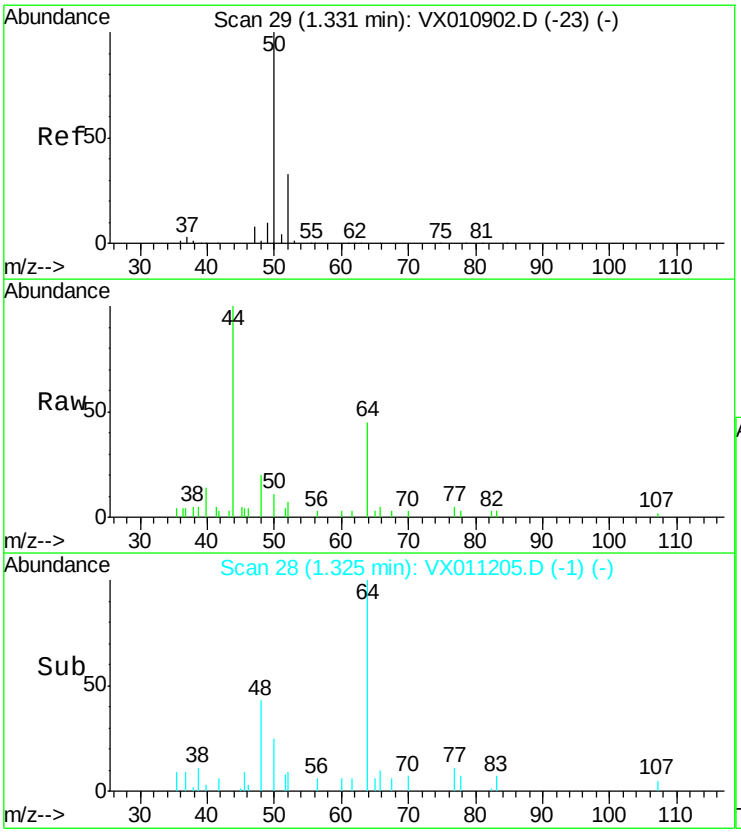

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion:168 Resp: 211675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.9 | 37.6 | 56.4 |

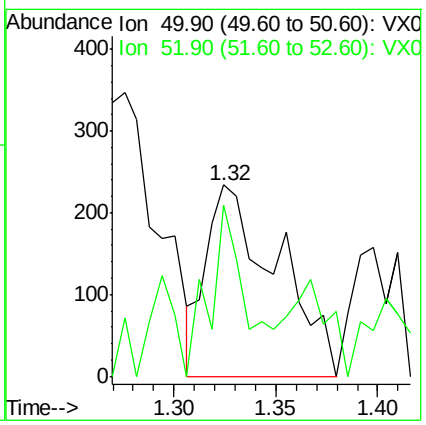


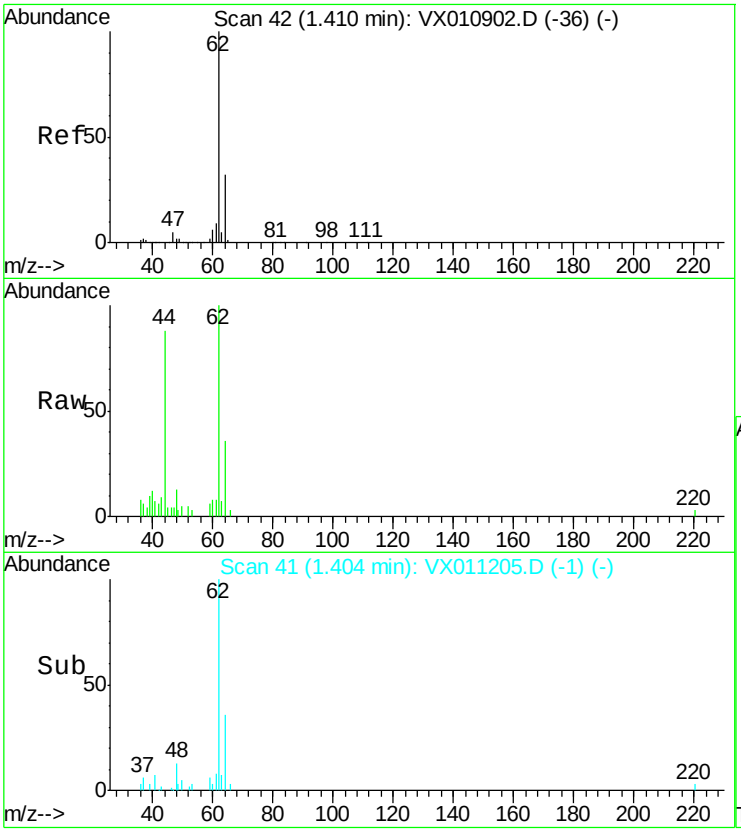




#3
Chloromethane
Concen: 0.289 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 50 Resp: 563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 89.3 | 26.4 | 39.6# |



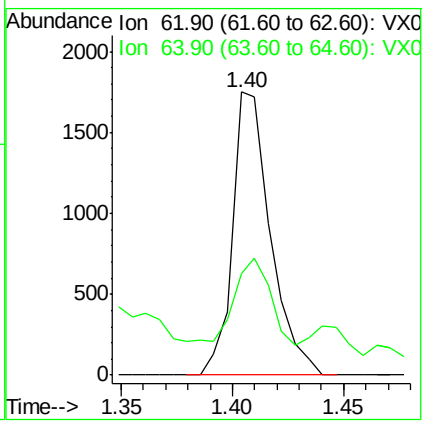


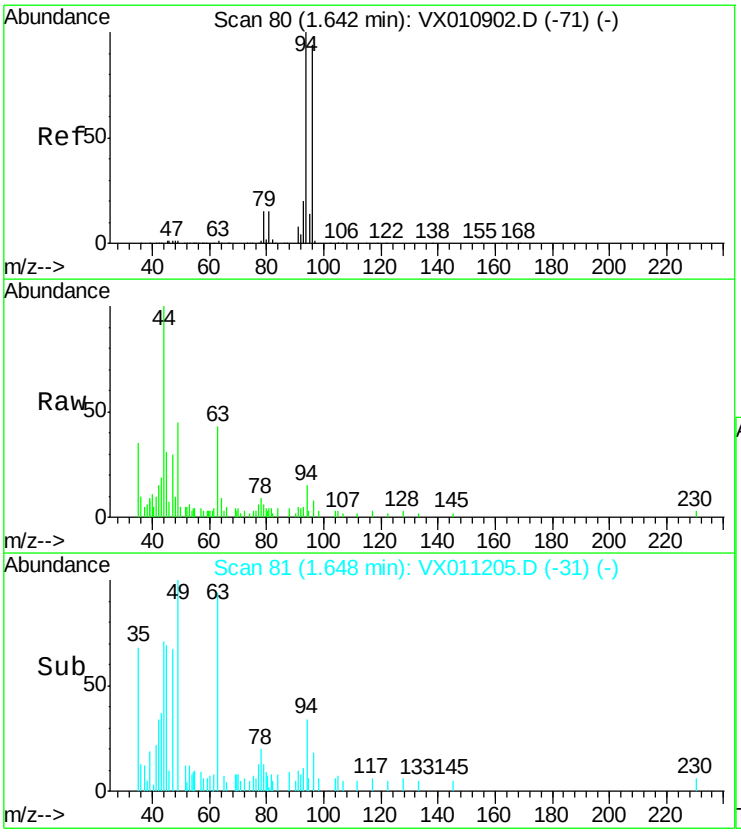

#4
Vinyl Chloride
Concen: 1.048 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 62 Resp: 2080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 24.4 | 25.7 | 38.5# |

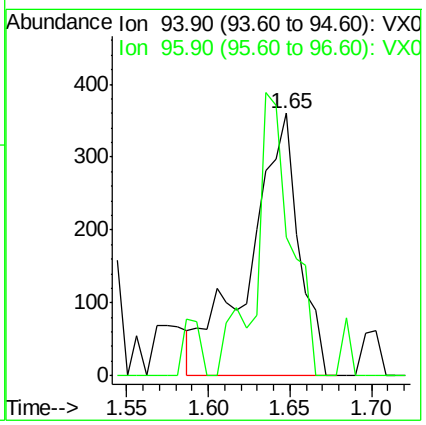


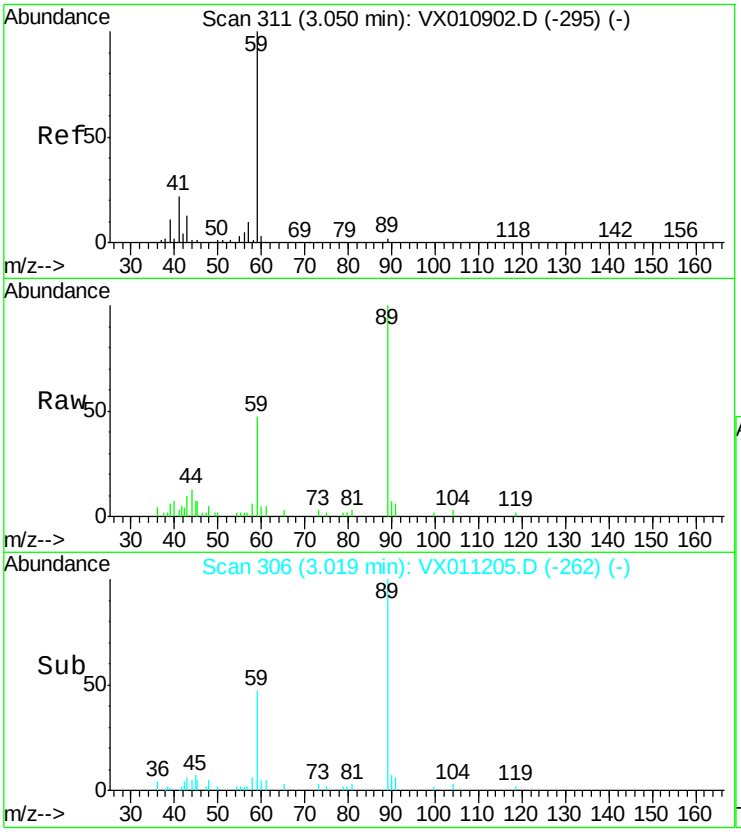




#5
Bromomethane
Concen: 0.678 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 94 Resp: 759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 53.1 | 75.6 | 113.4# |



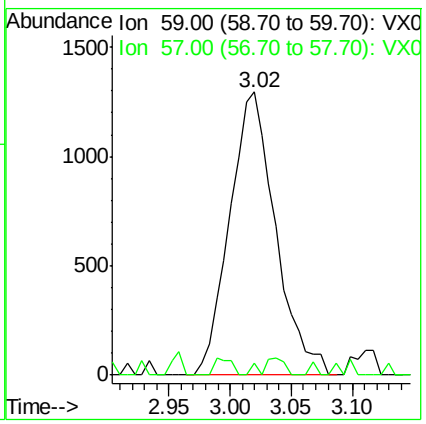


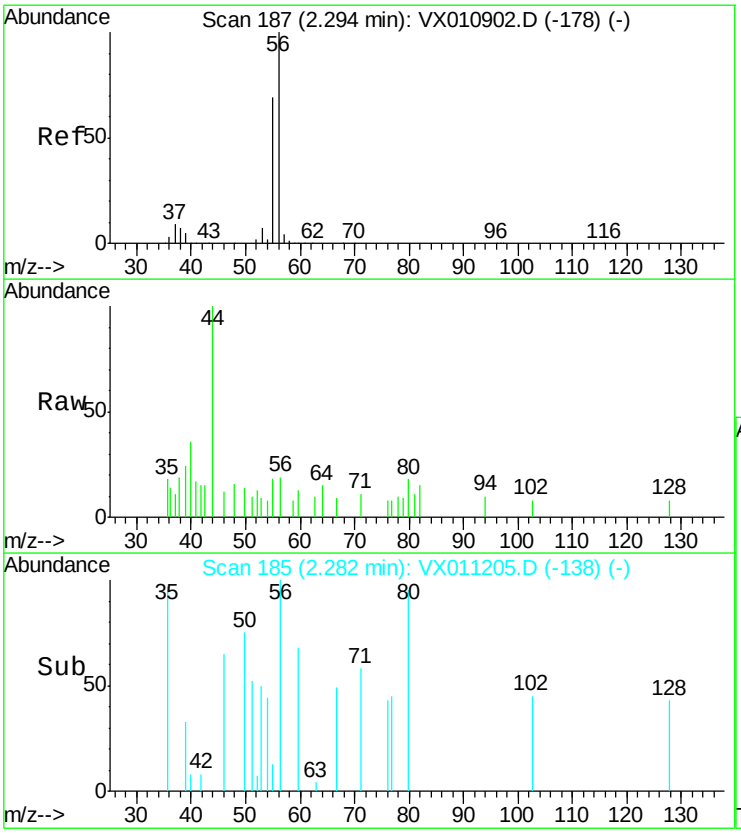

#11
Tert butyl alcohol
Concen: 6.432 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 59 Resp: 3373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.9 | 7.9 | 11.9# |

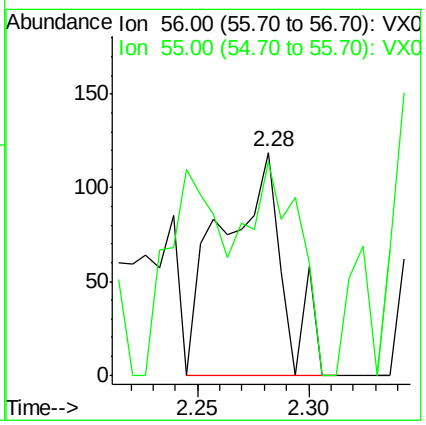


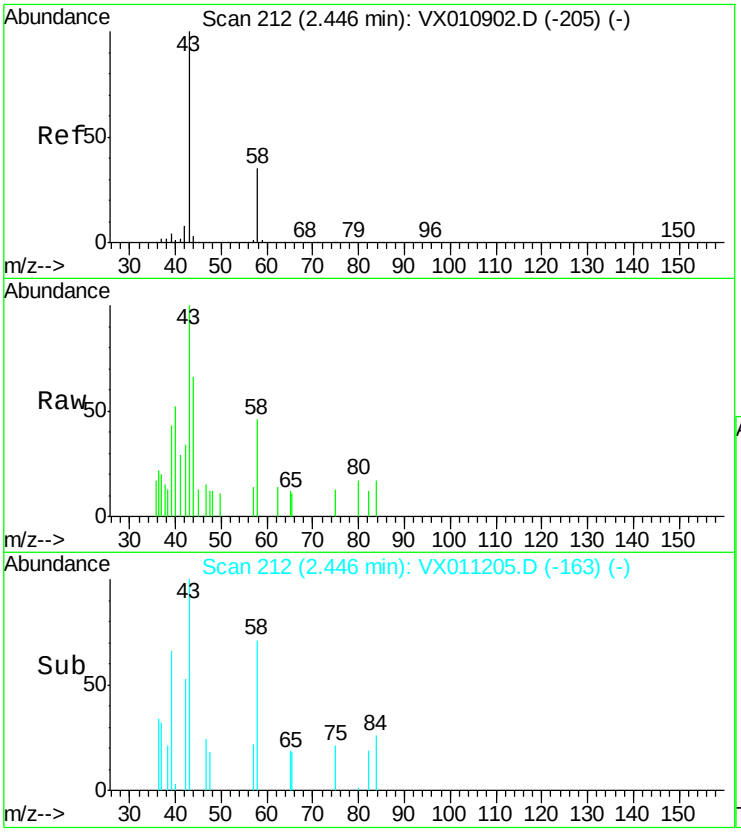




#13
Acrolein
Concen: 0.752 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 56 Resp: 228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 82.0 | 55.9 | 83.9 |



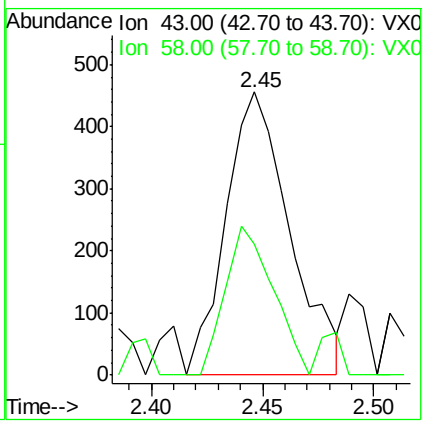


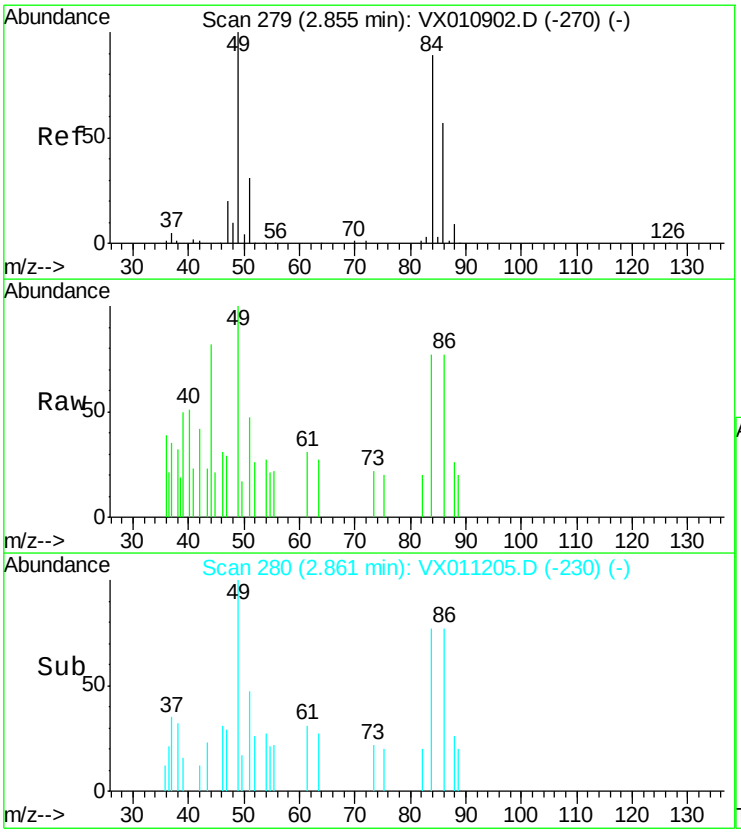

#16
Acetone
Concen: 0.897 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-0674DL

Tgt Ion: 43 Resp: 912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 46.1 | 27.7 | 41.5# |

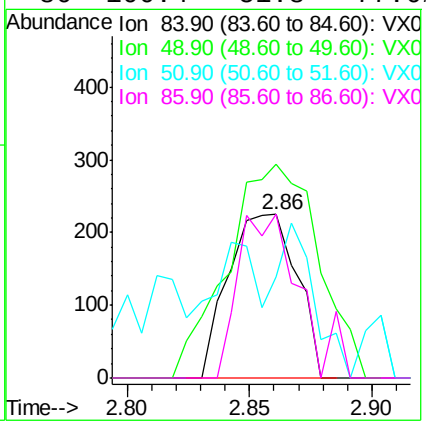


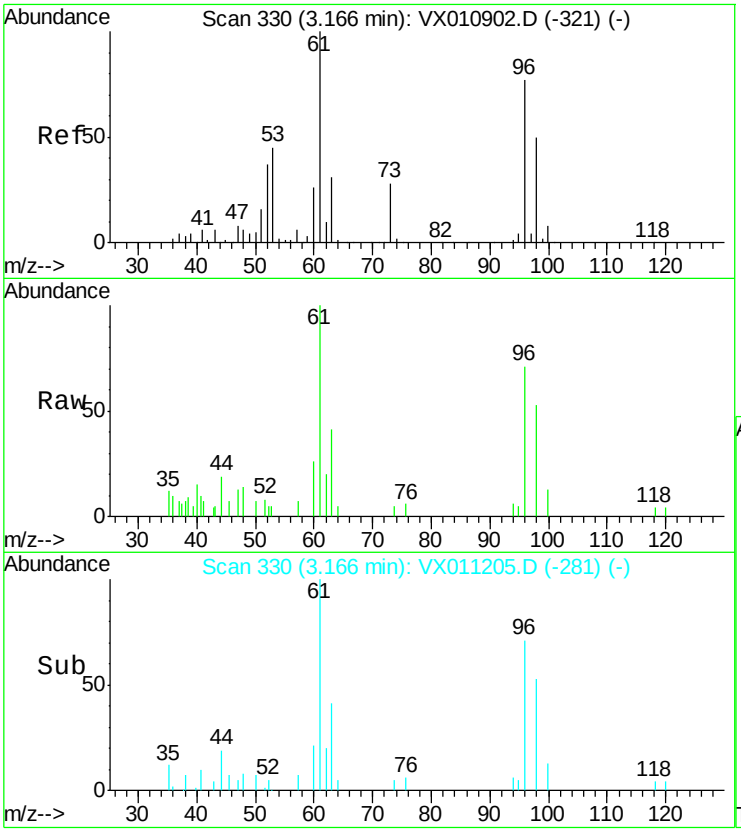




#20
Methylene Chloride
Concen: 0.202 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 84 Resp: 435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.0 | 89.9 | 134.9 |
| 51 | 34.7 | 27.8 | 41.6 |
| 86 | 100.4 | 51.8 | 77.6# |



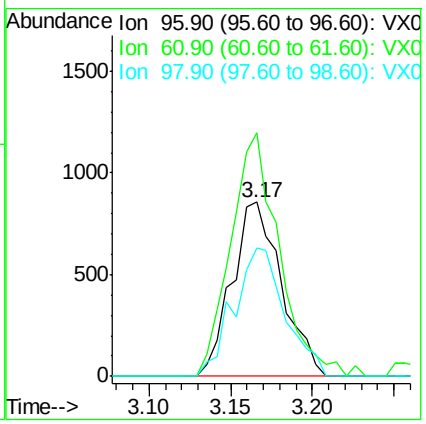


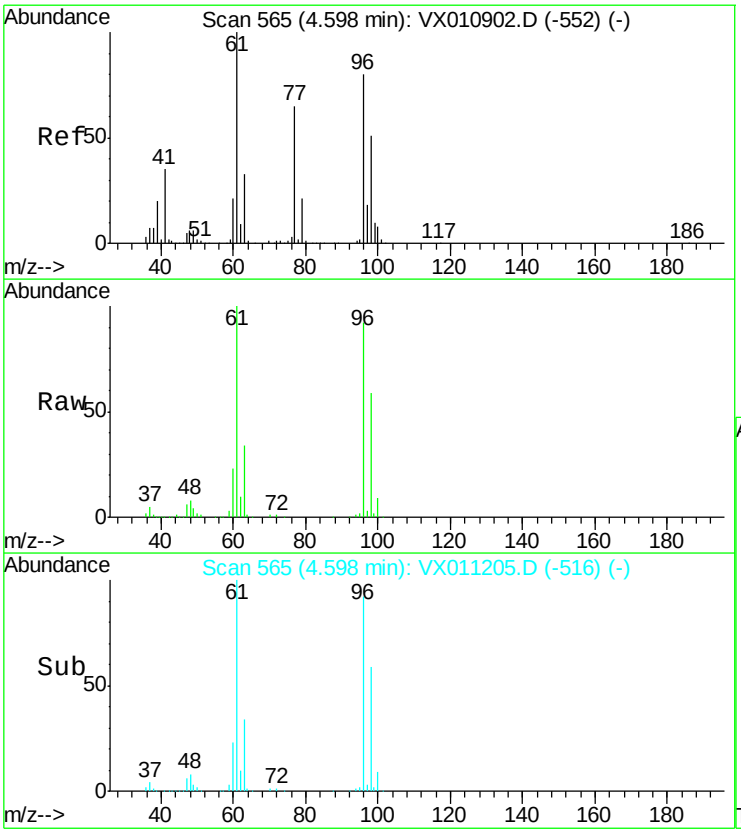

#21
trans-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 96 Resp: 1805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 104.2 | 156.2 |
| 98 | 74.2 | 52.2 | 78.4 |

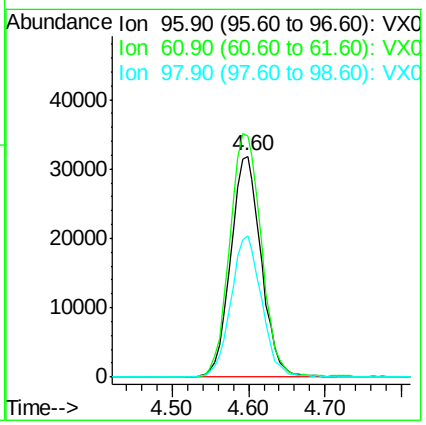


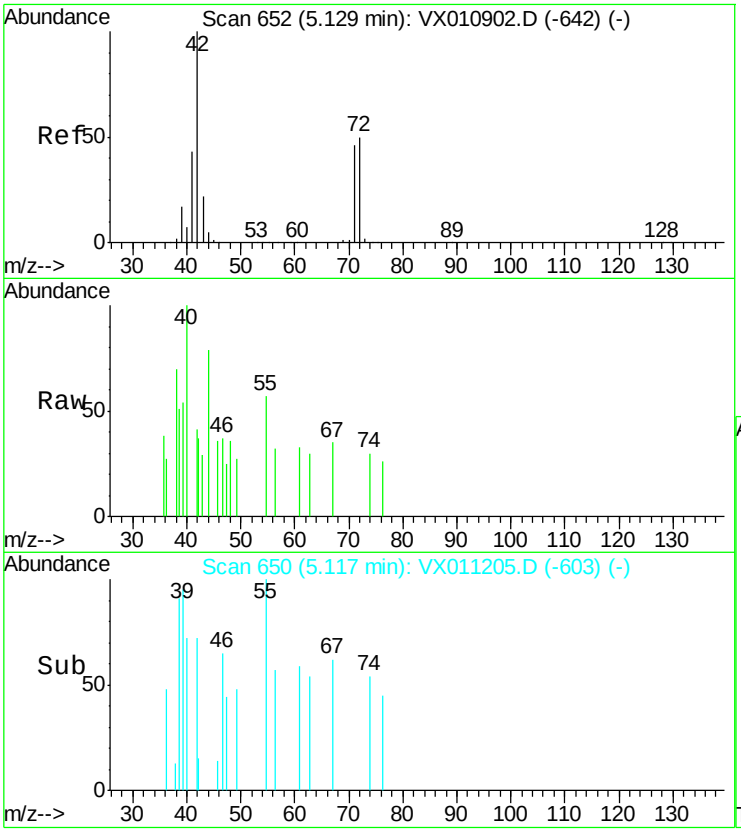




#27
cis-1,2-Dichloroethene
Concen: 37.932 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 96 Resp: 87824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 114.2 | 0.0 | 269.0 |
| 98 | 64.0 | 0.0 | 131.4 |



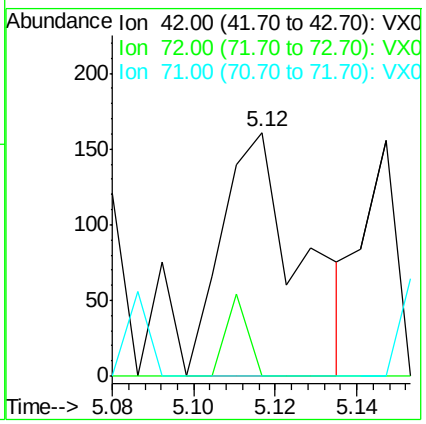


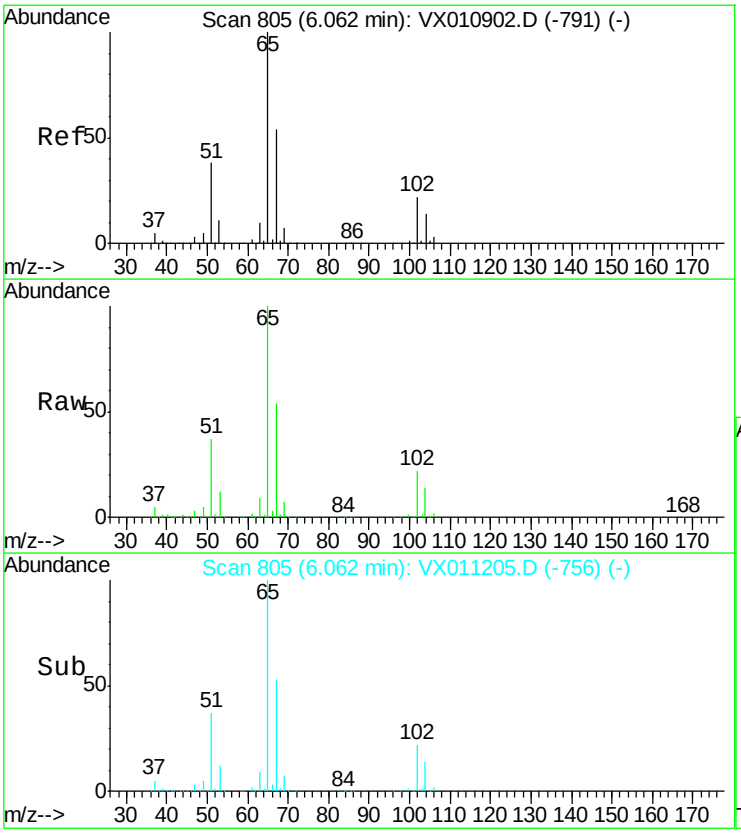

#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 42 Resp: 215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 9.3 | 39.8 | 59.8# |
| 71 | 0.0 | 37.0 | 55.4# |

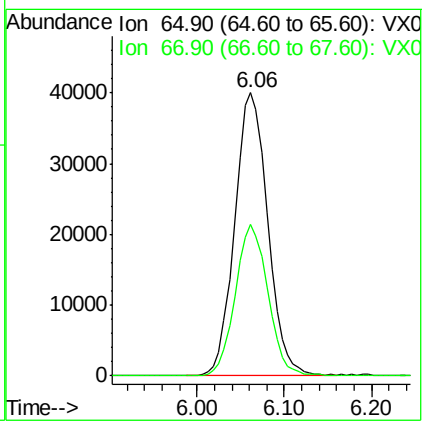


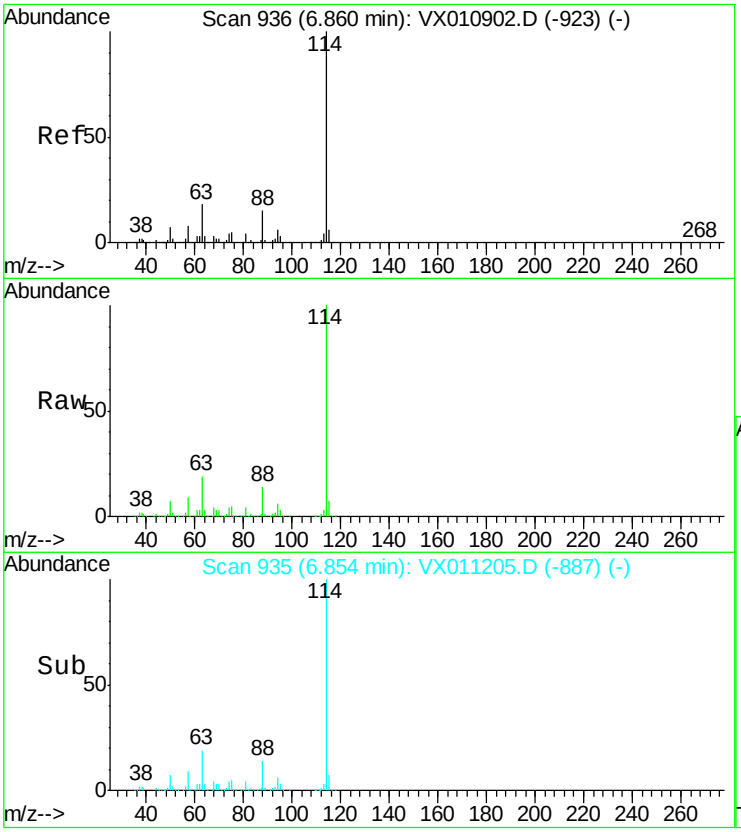




#33
1,2-Dichloroethane-d4
Concen: 46.827 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 65 Resp: 105450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 107.8 |



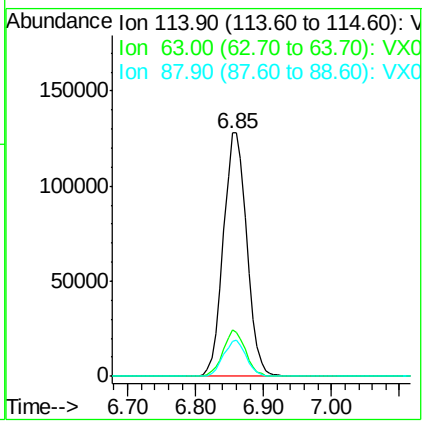


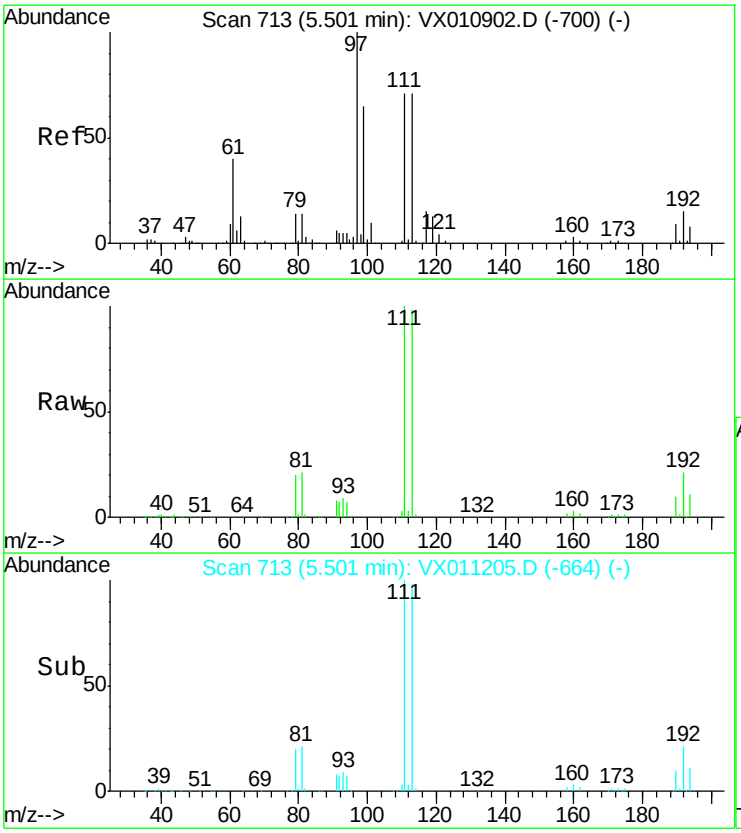

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion:114 Resp: 306283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.8 | 0.0 | 35.6 |
| 88 | 14.5 | 0.0 | 29.8 |

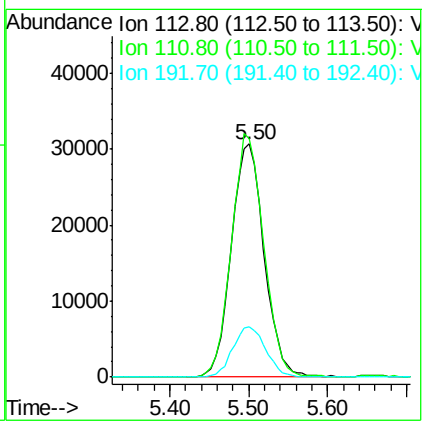


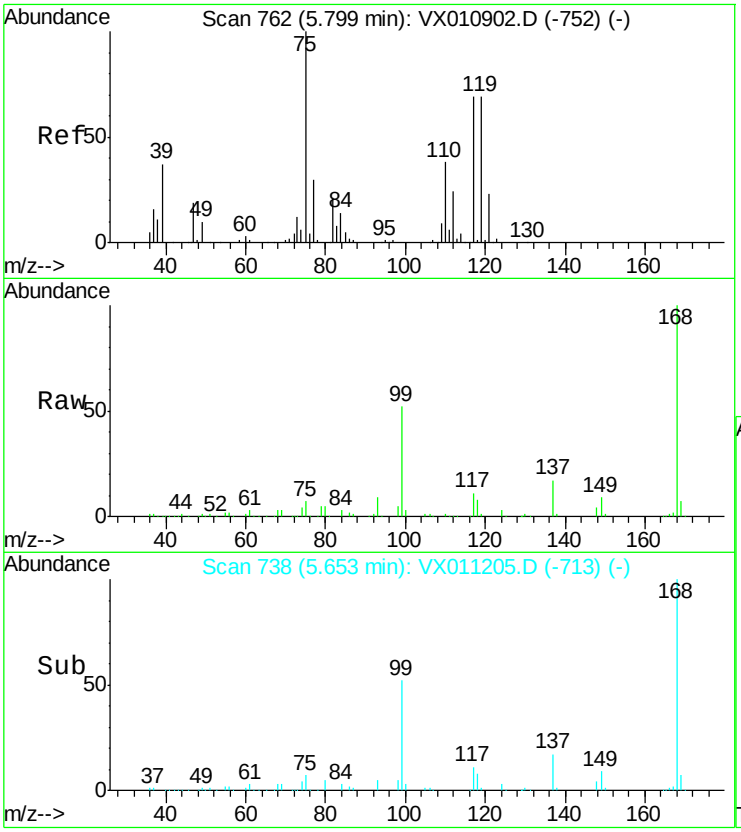




#35
Dibromofluoromethane
Concen: 45.738 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion:113 Resp: 88916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.3 | 123.5 |
| 192 | 21.7 | 17.4 | 26.2 |



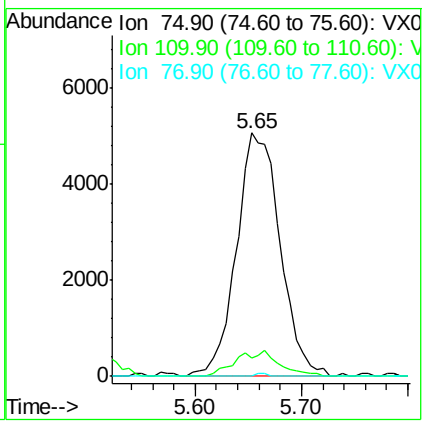


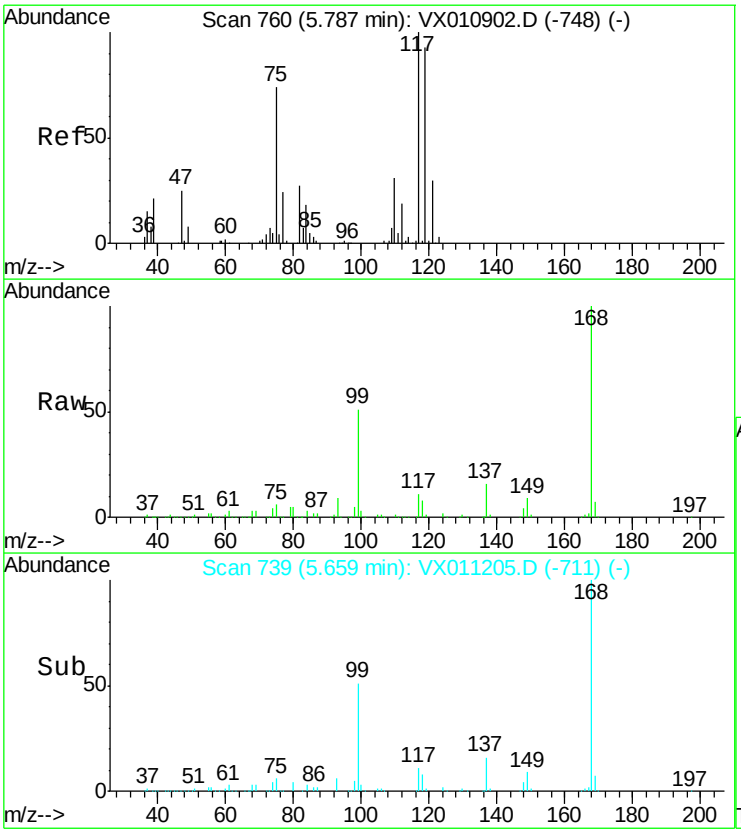

#36
1,1-Dichloropropene
Concen: 5.779 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-0674DL

Tgt Ion: 75 Resp: 14538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.9 | 19.9 | 59.7# |
| 77 | 0.4 | 25.0 | 37.4# |

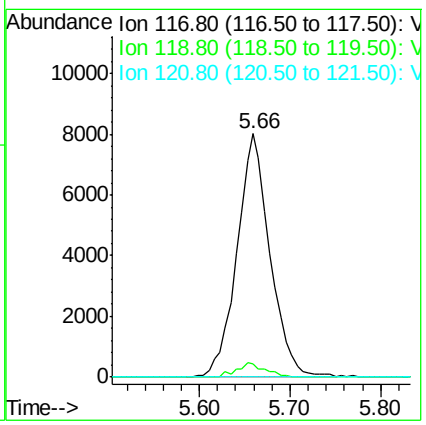


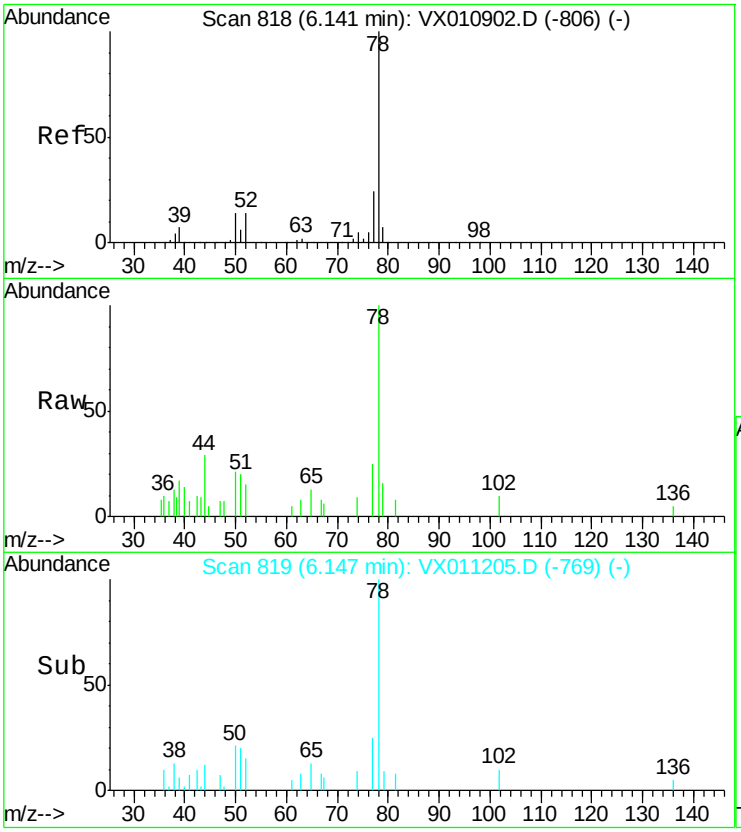




#38
Carbon Tetrachloride
Concen: 7.678 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion:117 Resp: 20129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 74.2 | 111.2# |
| 121 | 0.0 | 24.2 | 36.2# |



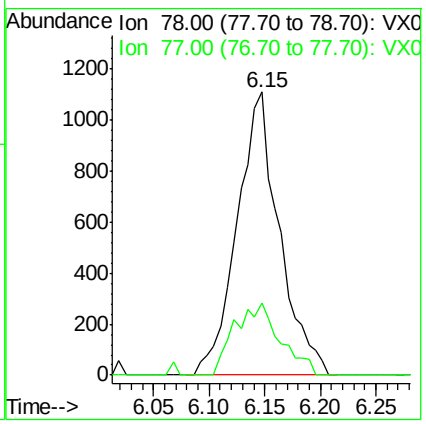


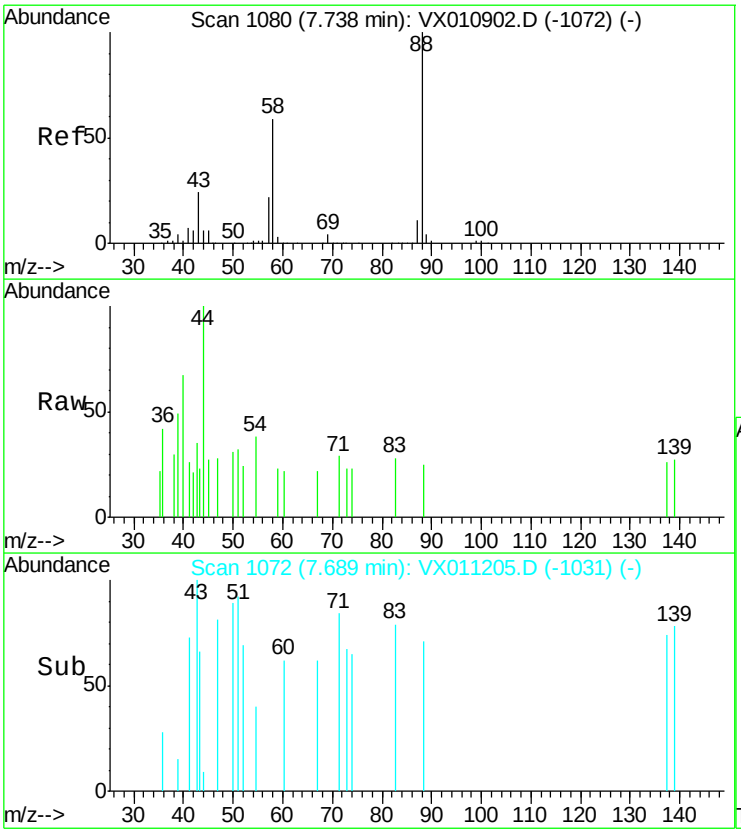

#40
Benzene
Concen: 0.379 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-0674DL

Tgt Ion: 78 Resp: 2924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.4 | 19.0 | 28.6 |

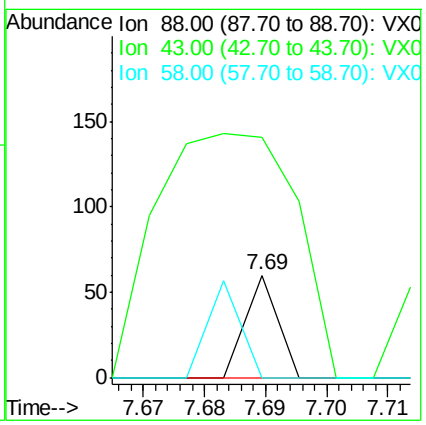


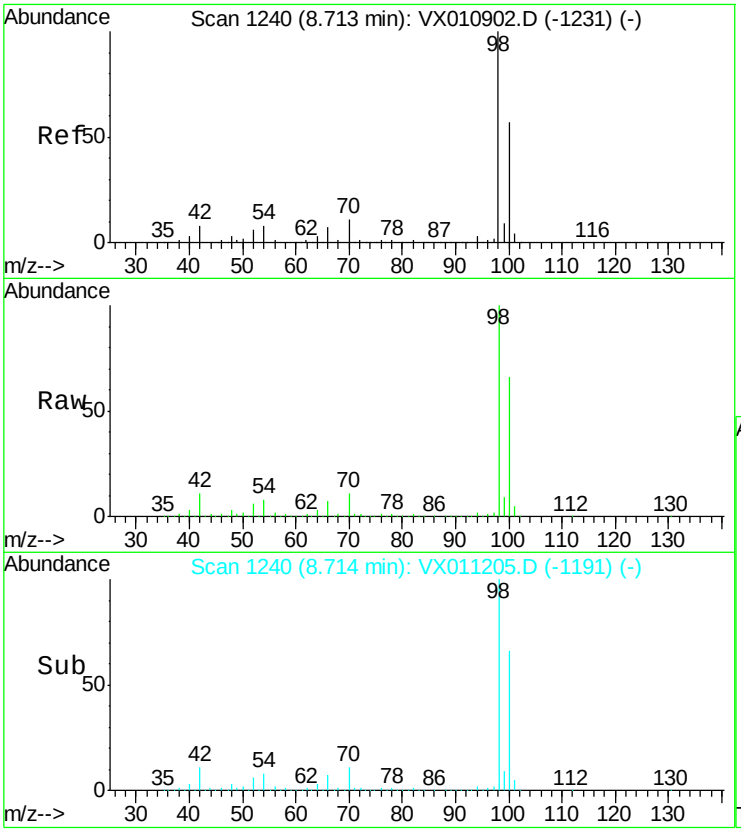




#49
1,4-Dioxane
Concen: 0.381 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.05 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 88 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 1027.3 | 22.9 | 34.3# |
| 58 | 95.5 | 49.8 | 74.8# |



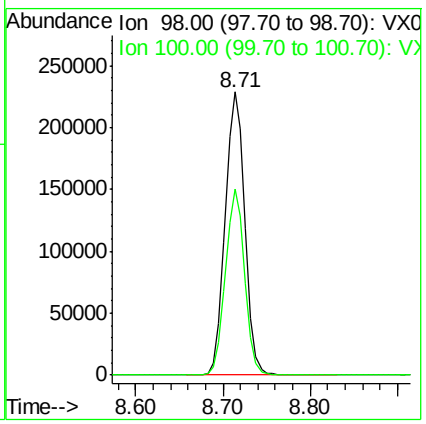


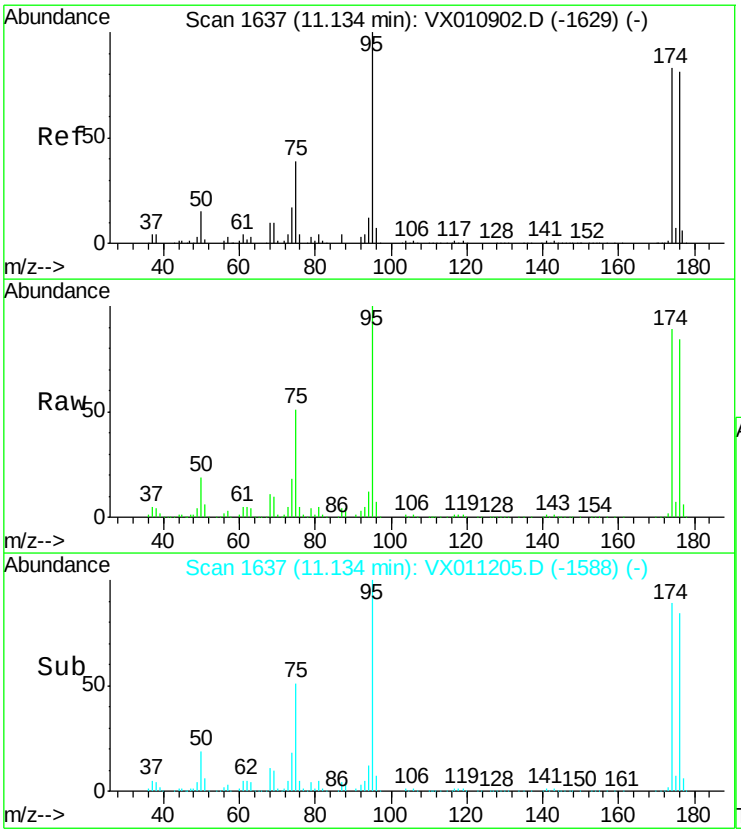

#50
Toluene-d8
Concen: 48.730 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 98 Resp: 355309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 50.6 | 75.8 |

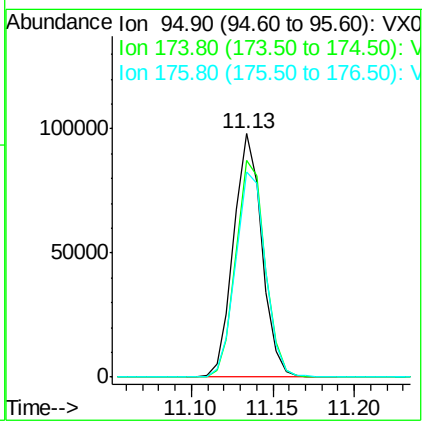


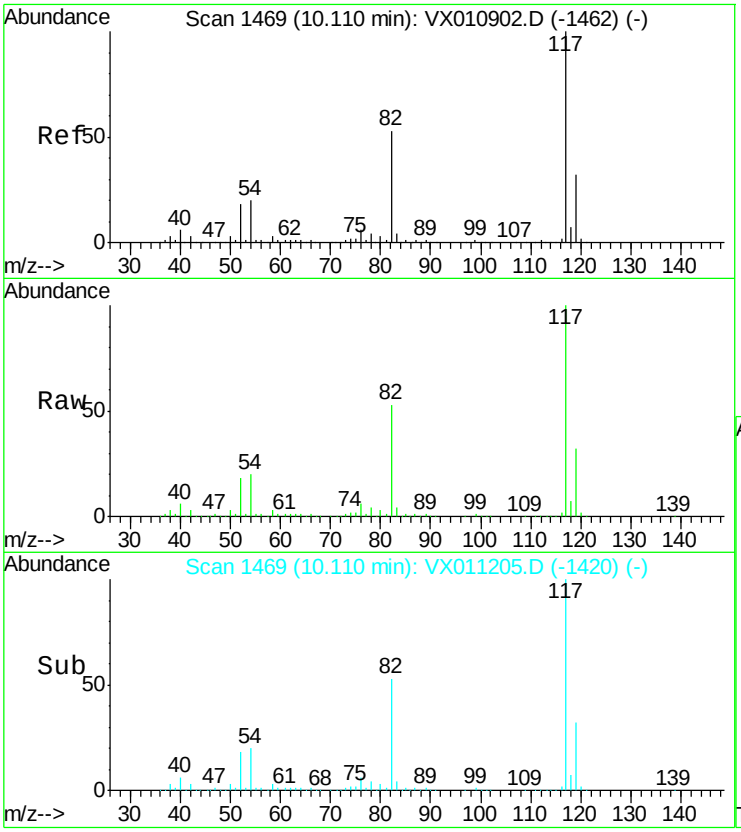




#62
4-Bromofluorobenzene
Concen: 44.315 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 95 Resp: 118769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.5 | 0.0 | 180.6 |
| 176 | 89.2 | 0.0 | 173.8 |



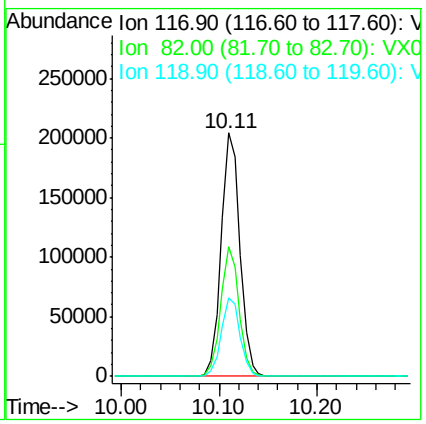


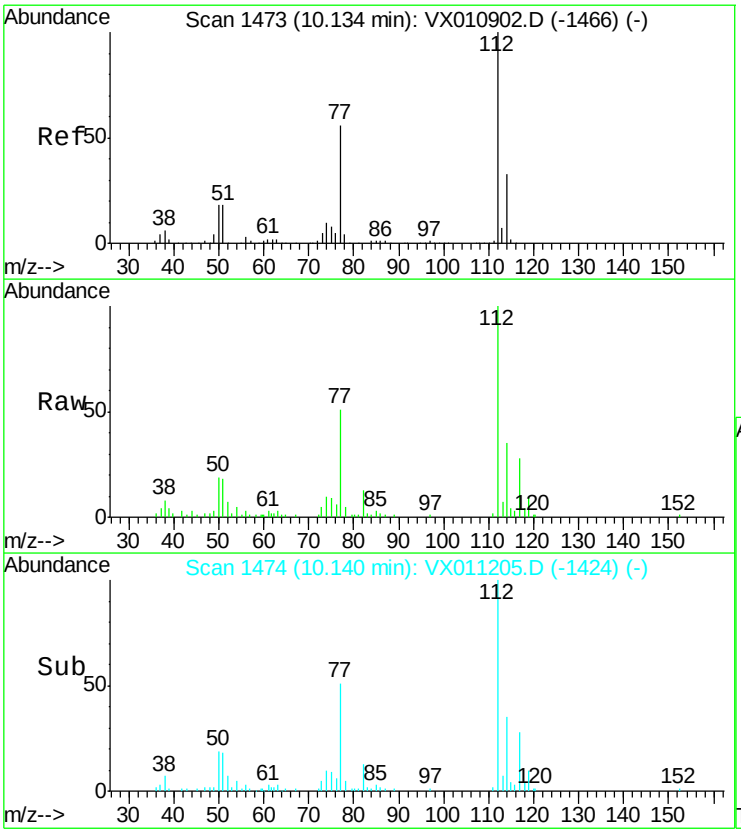

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-0674DL

Tgt Ion:117 Resp: 271371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 42.6 | 63.8 |
| 119 | 32.4 | 25.9 | 38.9 |

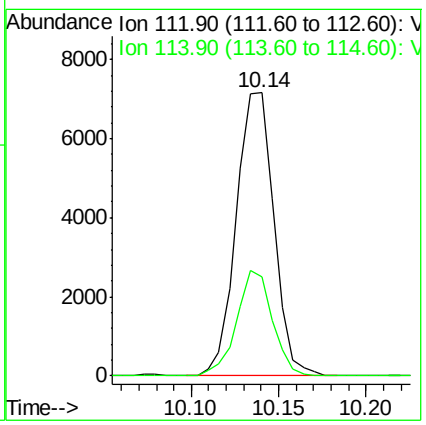


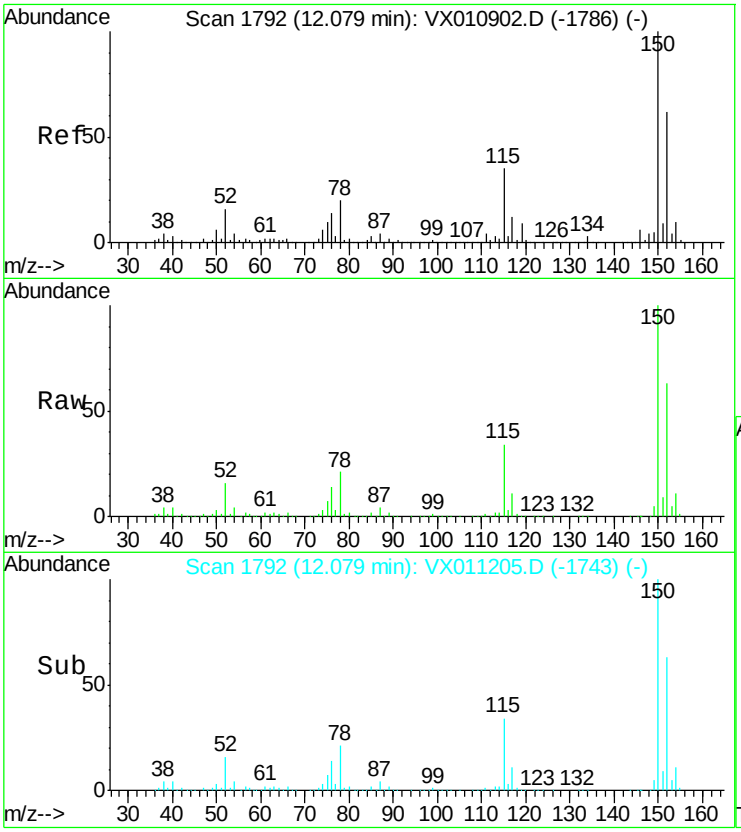




#65
Chlorobenzene
Concen: 1.933 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion:112 Resp: 10774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 35.0 | 26.2 | 39.4 |



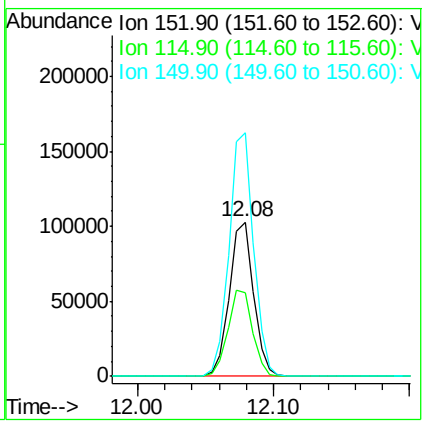


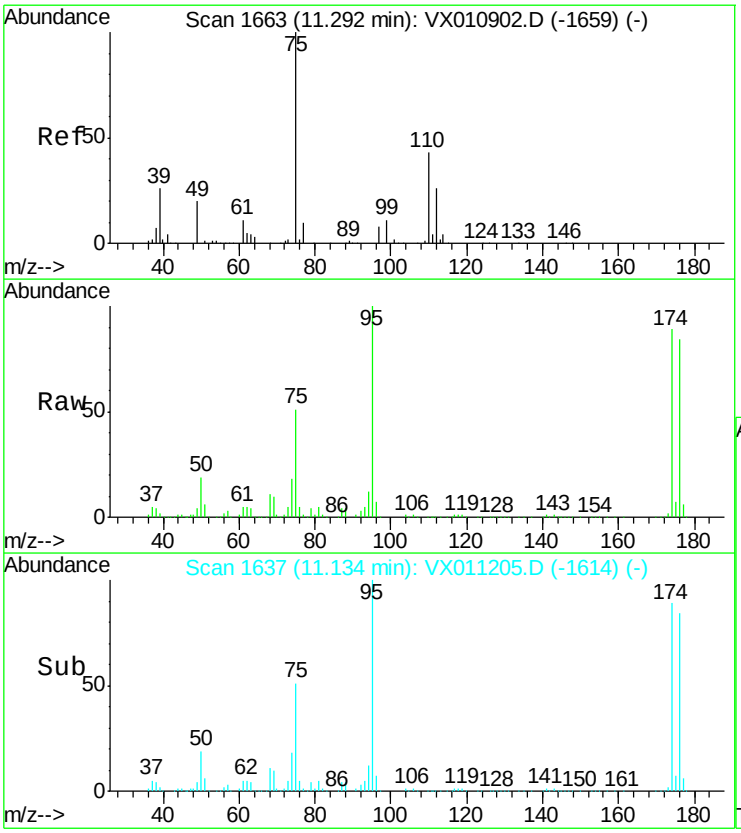

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion:152 Resp: 127858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.7 | 39.7 | 119.1 |
| 150 | 159.0 | 0.0 | 345.6 |

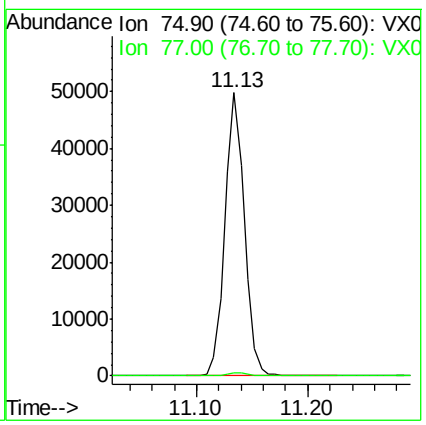


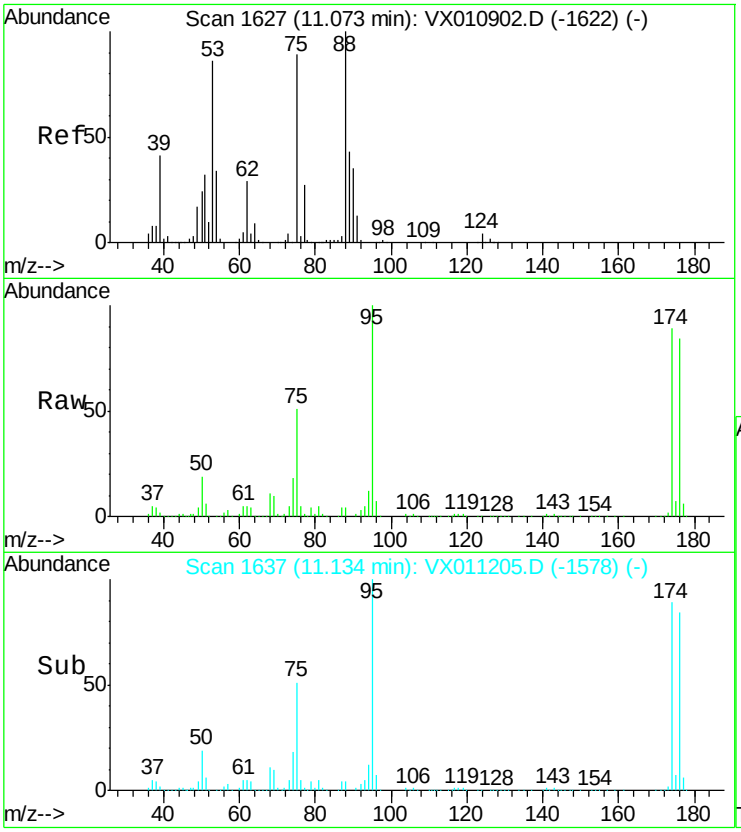




#76
1,2,3-Trichloropropane
Concen: 26.108 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion: 75 Resp: 60238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 21.3 | 64.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 64.861 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-0674DL

Tgt Ion: 75 Resp: 60238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 76.7 | 115.1# |
| 89 | 0.0 | 38.5 | 57.7# |