Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080519\
Data File : VX011323.D
Acq On : 05 Aug 2019 12:00
Operator : JC/SP
Sample : K4119-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 06 02:36:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 145353 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 230398 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 218438 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 98296 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 79780 | 54.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.00% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 76781 | 51.04 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.08% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 284652 | 50.13 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.26% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 95388 | 47.05 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.10% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 549 | 0.489 | ug/l # | 58 |
| 3) Chloromethane | 1.32 | 50 | 354 | 0.281 | ug/l # | 63 |
| 4) Vinyl Chloride | 1.40 | 62 | 4395 | 3.169 | ug/l | 95 |
| 6) Chloroethane | 1.72 | 64 | 743 | Below Cal # | | 64 |
| 10) Methyl Iodide | 2.51 | 142 | 591 | 0.351 | ug/l # | 76 |
| 11) Tert butyl alcohol | 2.99 | 59 | 875 | 3.020 | ug/l # | 82 |
| 13) Acrolein | 2.28 | 56 | 269 | 1.062 | ug/l # | 33 |
| 15) Acrylonitrile | 3.14 | 53 | 468 | 0.672 | ug/l # | 43 |
| 16) Acetone | 2.45 | 43 | 1003 | 1.440 | ug/l | 92 |
| 17) Carbon Disulfide | 2.56 | 76 | 944 | 0.304 | ug/l # | 52 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 3021 | 2.159 | ug/l | 88 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 12611 | 7.826 | ug/l | 90 |
| 29) Tetrahydrofuran | 5.14 | 42 | 422 | 0.694 | ug/l # | 45 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 9880 | 4.912 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 13713 | 6.776 | ug/l # | 15 |
| 41) Methacrylonitrile | 5.01 | 41 | 444 | 0.403 | ug/l # | 51 |
| 44) Trichloroethene | 7.21 | 130 | 582 | 0.320 | ug/l | 54 |
| 49) 1,4-Dioxane | 7.71 | 88 | 19 | 0.432 | ug/l # | 1 |
| 53) t-1,3-Dichloropropene | 9.05 | 75 | 102 | 2.881 | ug/l # | 43 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 47183 | 26.358 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 47183 | 68.537 | ug/l # | 10 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 459 | 0.209 | ug/l | 94 |

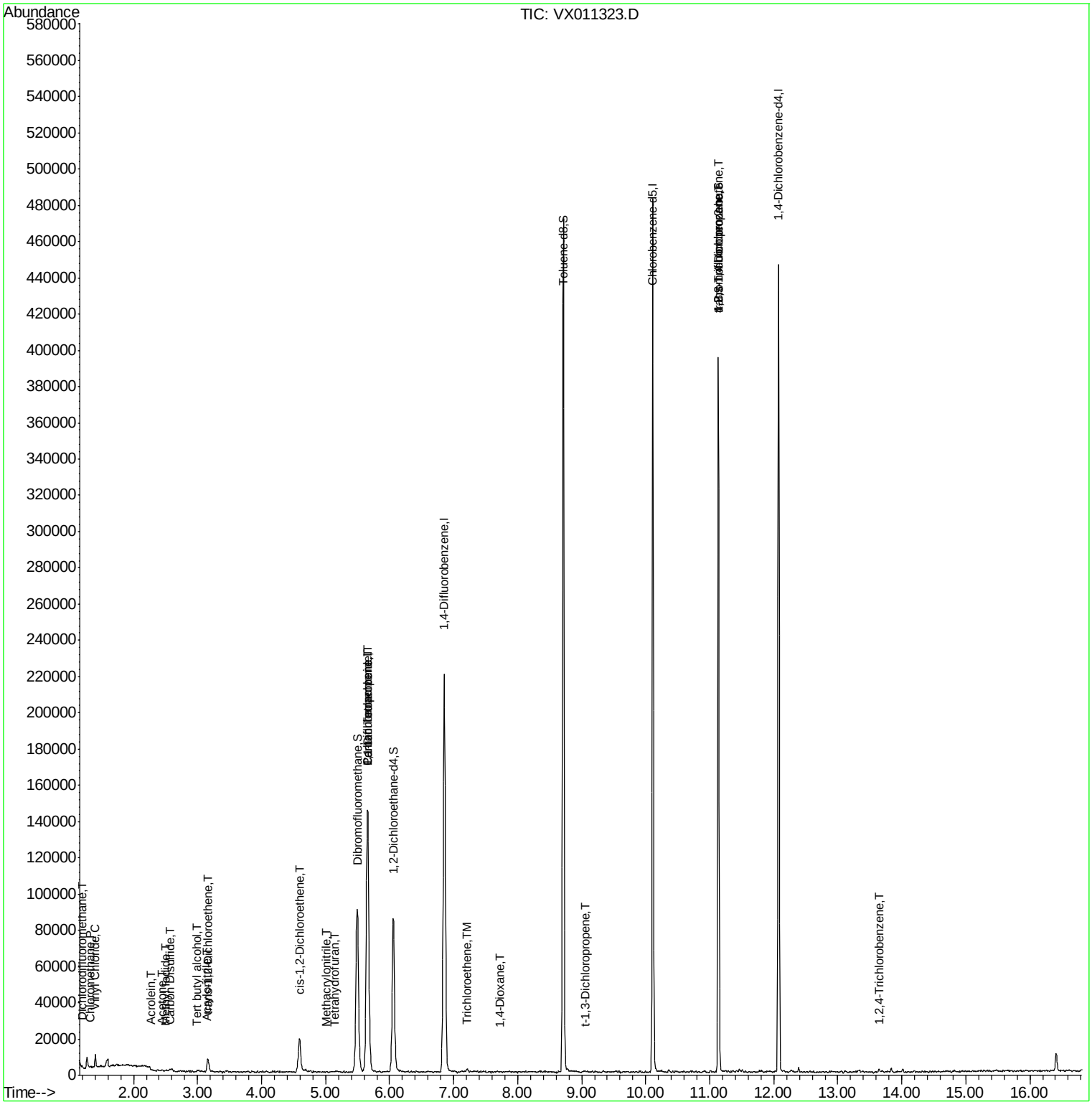
(#) = qualifier out of range (m) = manual integration (+) = signals summed

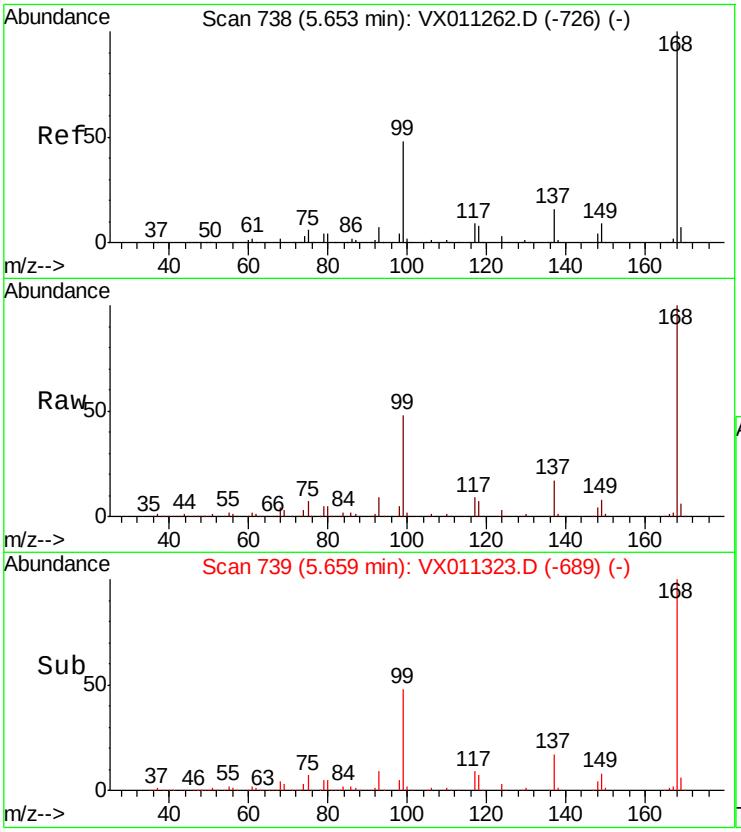
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080519\
Data File : VX011323.D
Acq On : 05 Aug 2019 12:00
Operator : JC/SP
Sample : K4119-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 06 02:36:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration



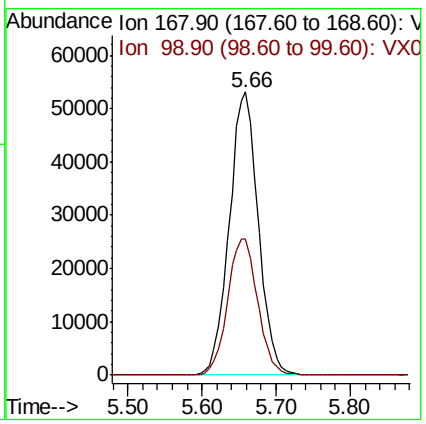


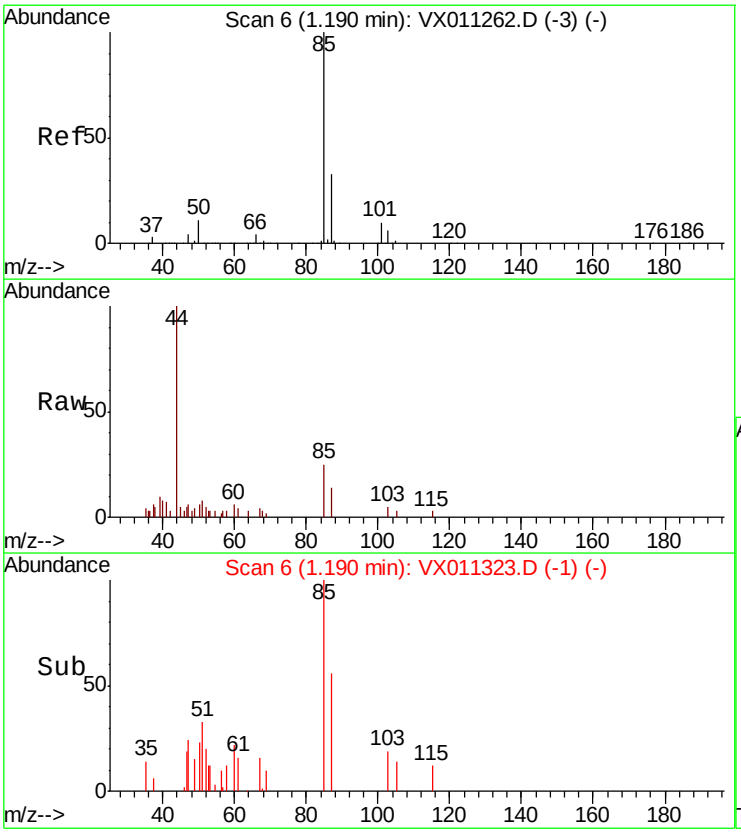

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion:168 Resp: 145353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.0 | 38.5 | 57.7 |

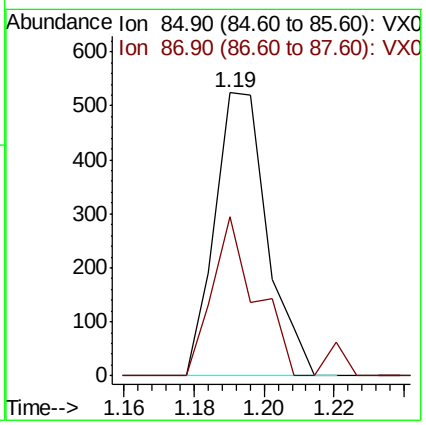


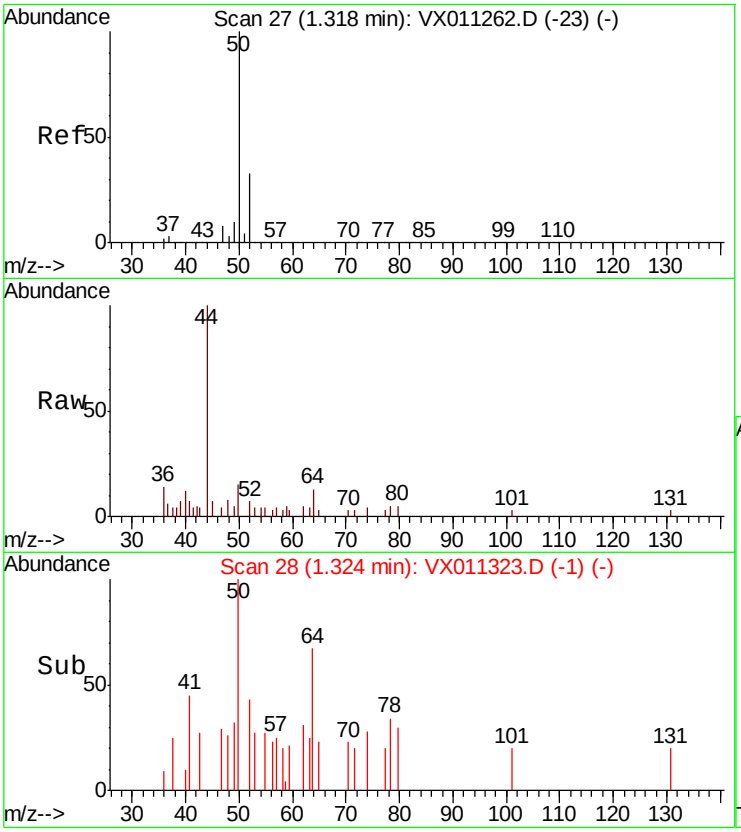




#2
Dichlorodifluoromethane
Concen: 0.489 ug/l
RT: 1.19 min Scan# 6
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 85 Resp: 549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 56.3 | 16.4 | 49.1# |



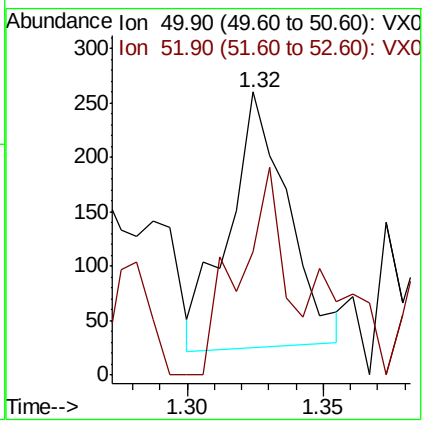


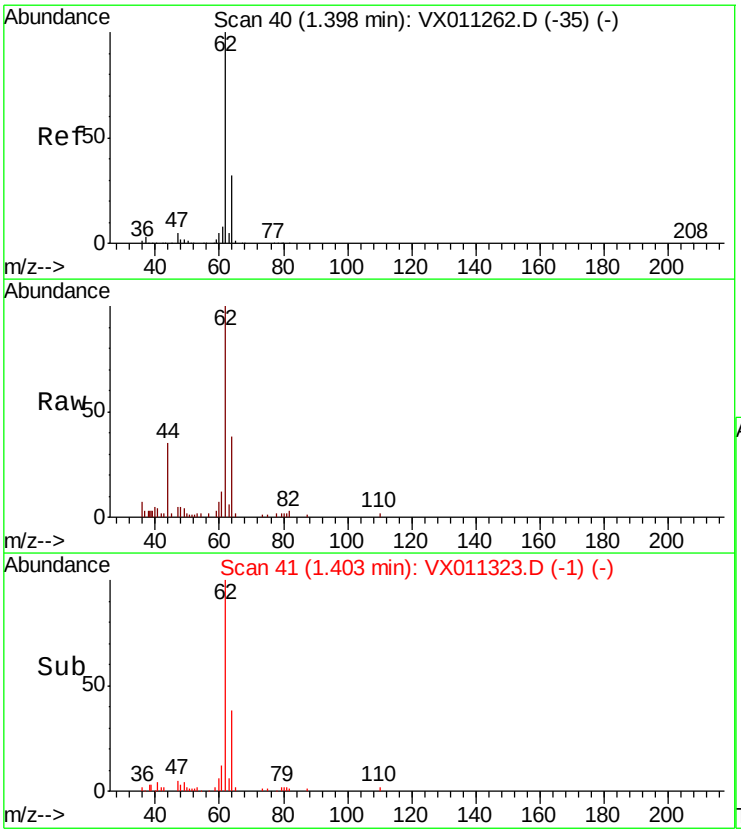

#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 50 Resp: 354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 54.1 | 26.4 | 39.6# |

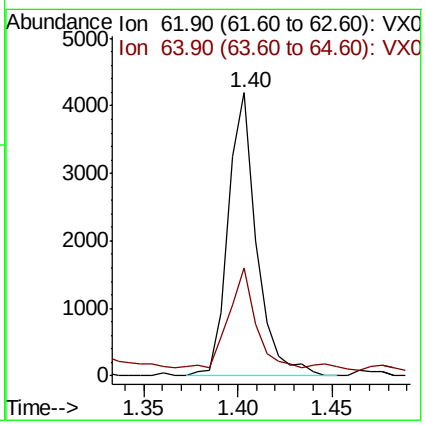


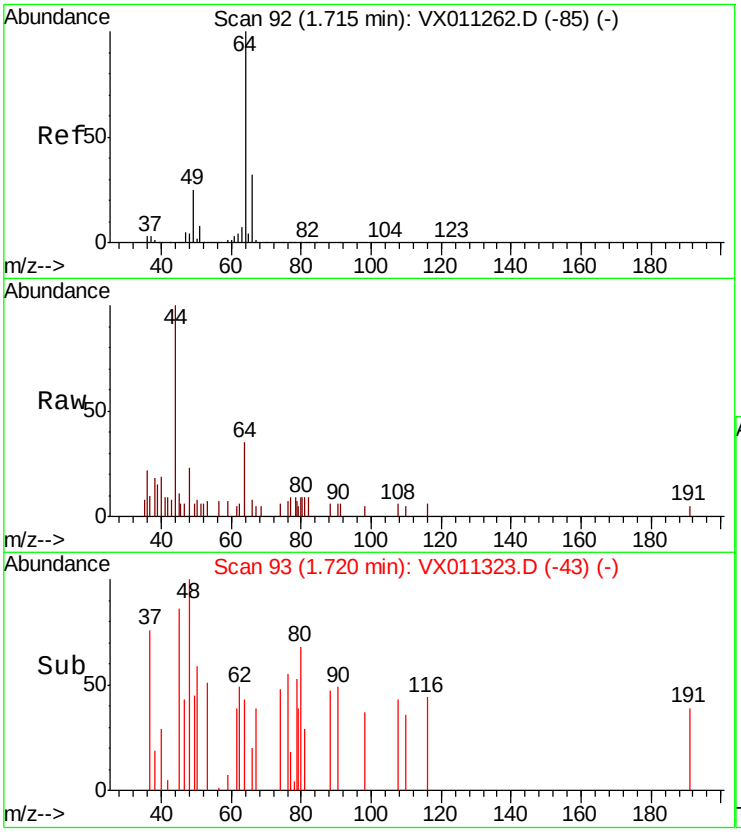




#4
Vinyl Chloride
Concen: 3.169 ug/l
RT: 1.40 min Scan# 41
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 62 Resp: 4395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 35.1 | 26.0 | 39.0 |



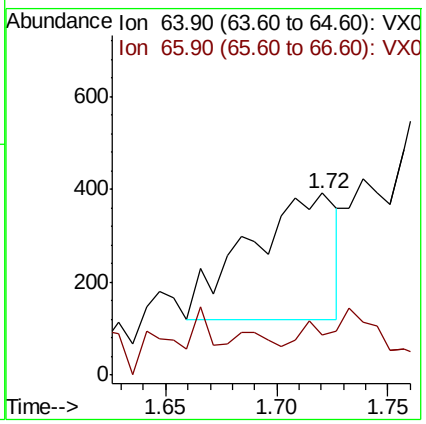


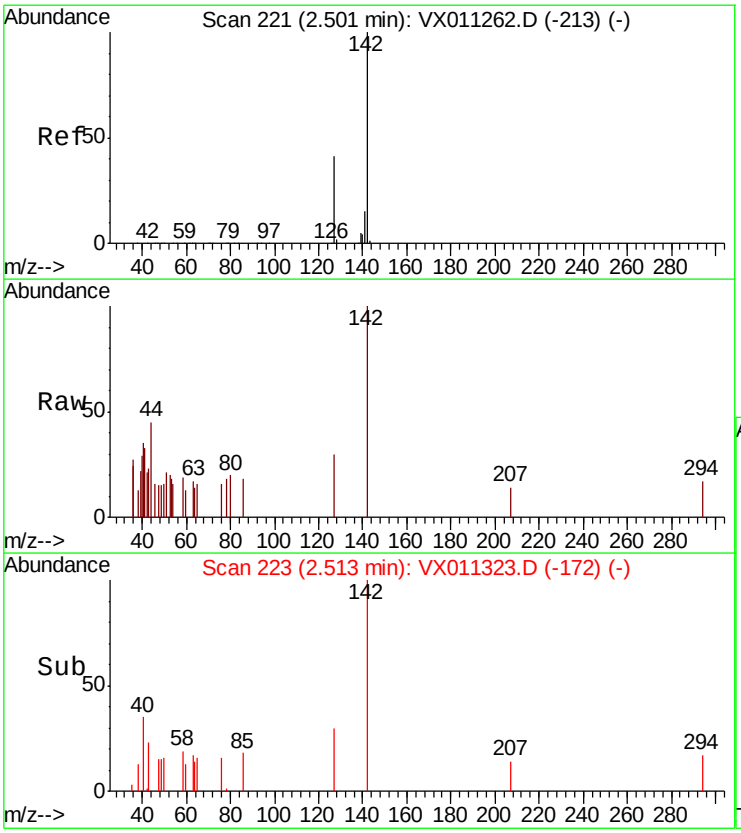

#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 64 Resp: 743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 11.4 | 25.1 | 37.7# |

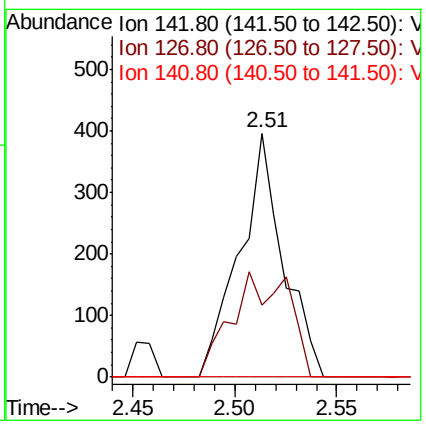


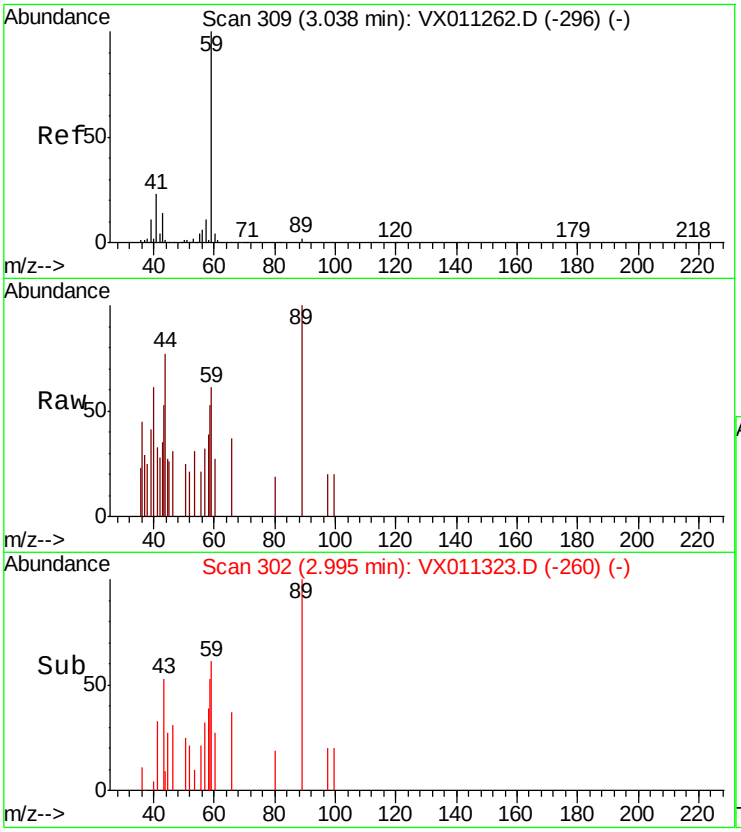




#10
Methyl Iodide
Concen: 0.351 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion:142 Resp: 591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 55.5 | 33.8 | 50.8# |
| 141 | 0.0 | 11.4 | 17.2# |



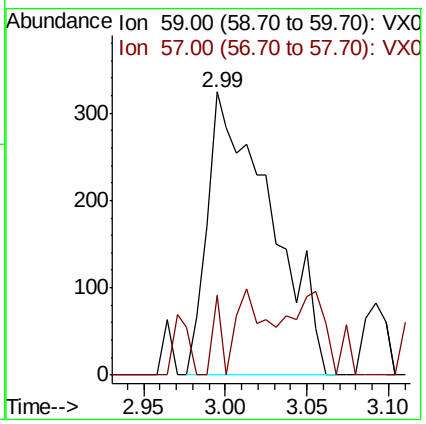


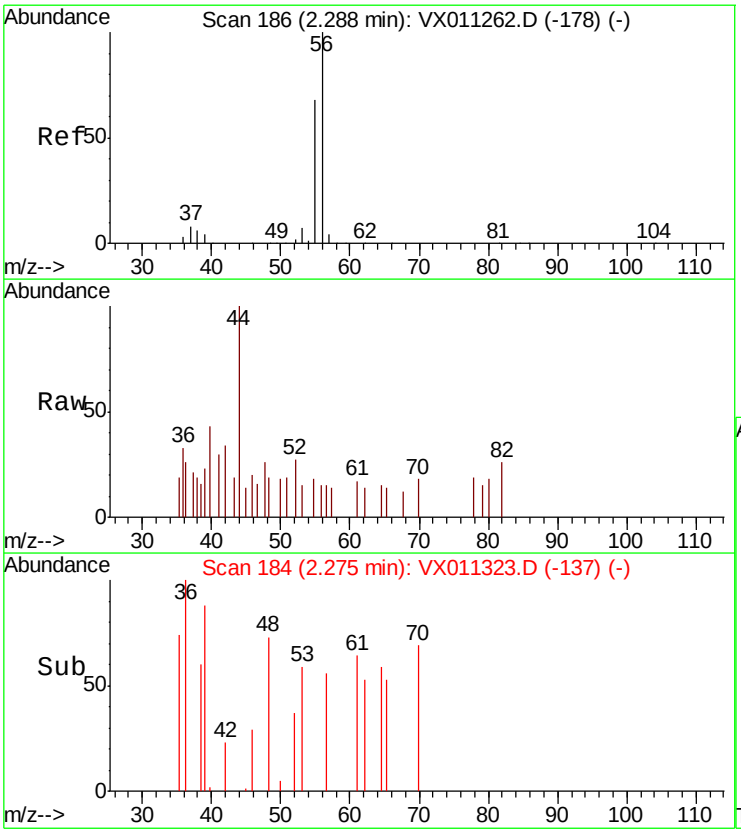

#11
Tert butyl alcohol
Concen: 3.020 ug/l
RT: 2.99 min Scan# 302
Delta R.T. -0.04 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 59 Resp: 875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.8 | 8.3 | 12.5# |

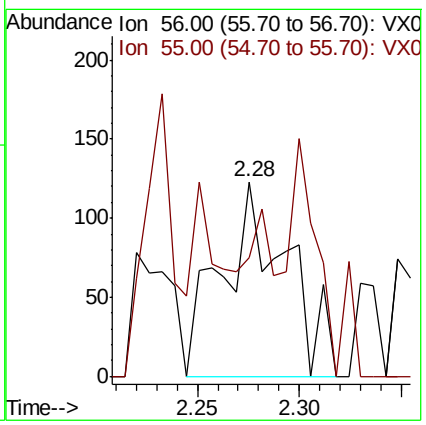


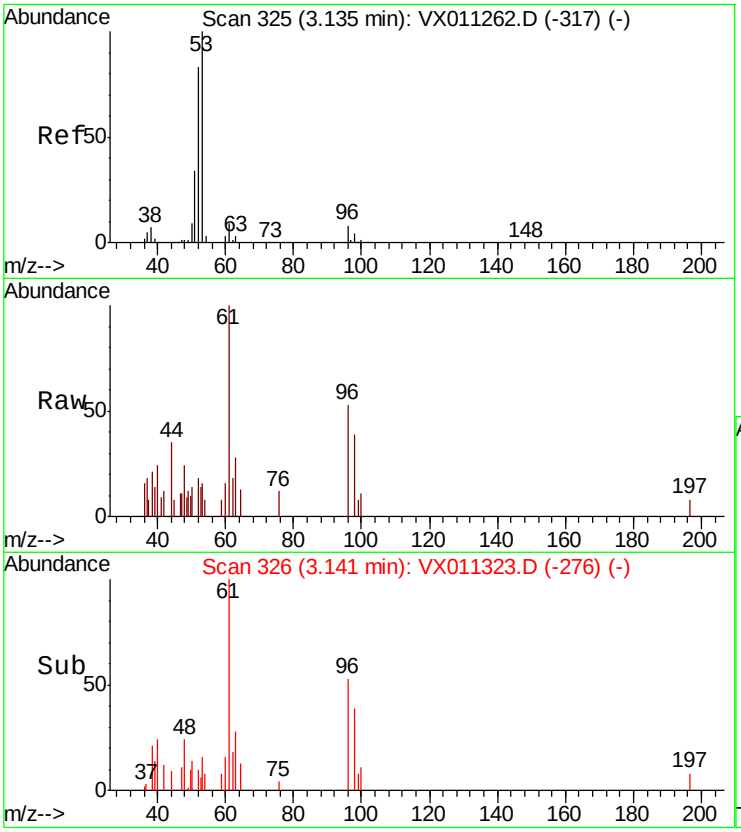




#13
Acrolein
Concen: 1.062 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 56 Resp: 269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 15.2 | 56.0 | 84.0# |



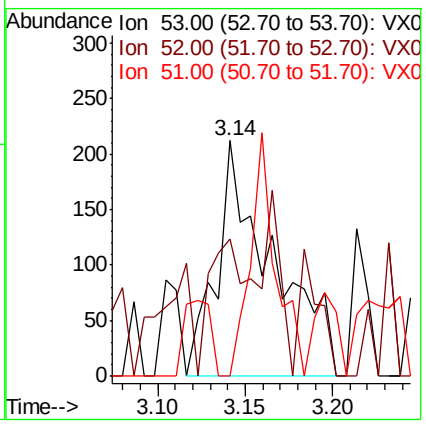


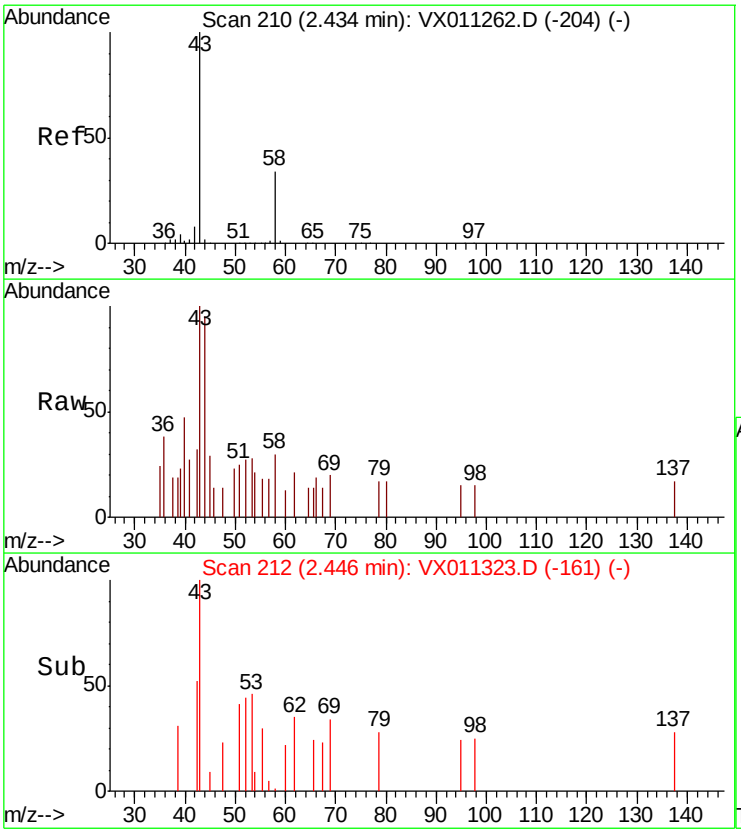

#15
Acrylonitrile
Concen: 0.672 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 53 Resp: 468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 32.1 | 65.5 | 98.3# |
| 51 | 0.0 | 27.9 | 41.9# |

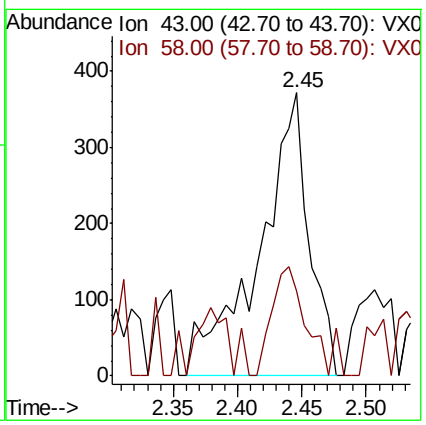


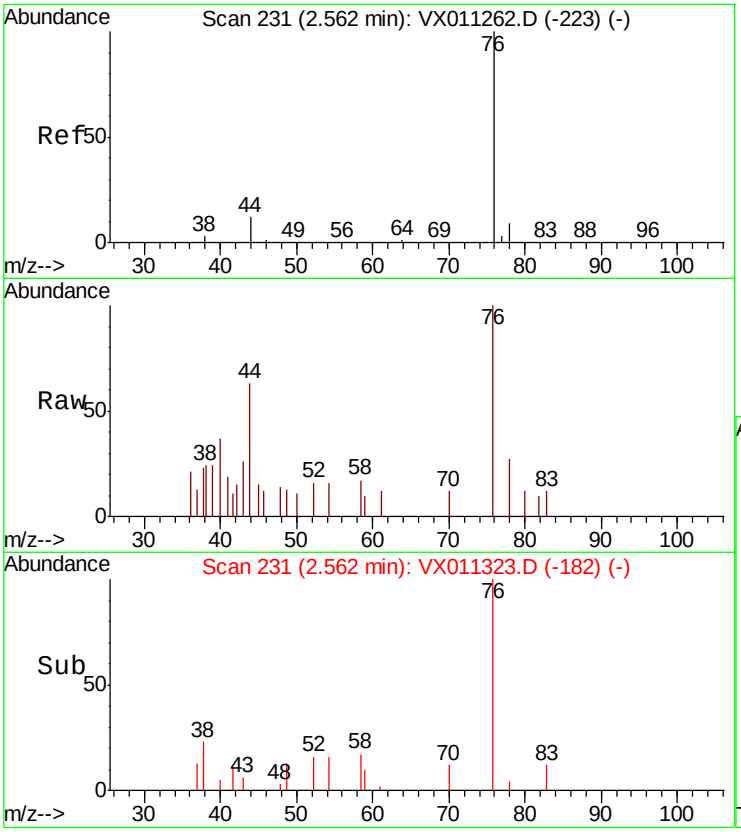




#16
Acetone
Concen: 1.440 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 43 Resp: 1003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 27.4 | 41.0 |



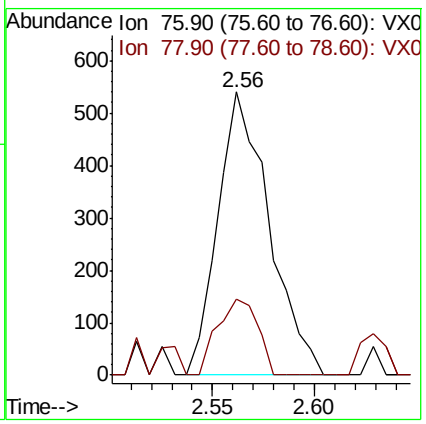


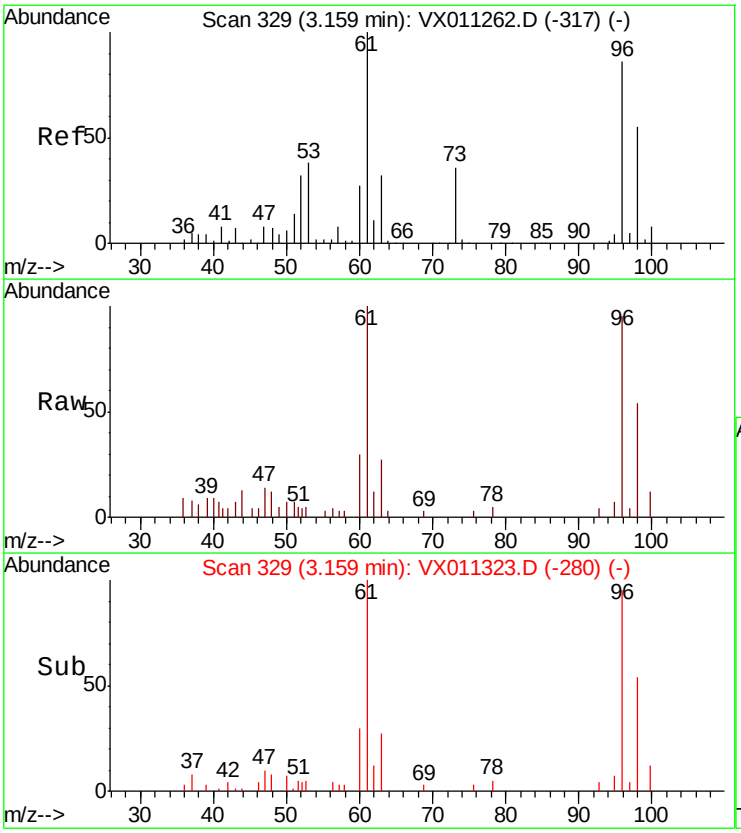

#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 76 Resp: 944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 26.7 | 7.4 | 11.0# |

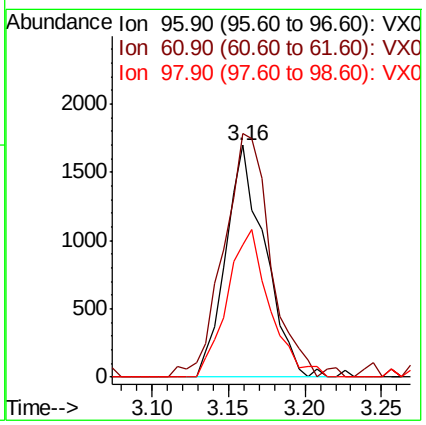


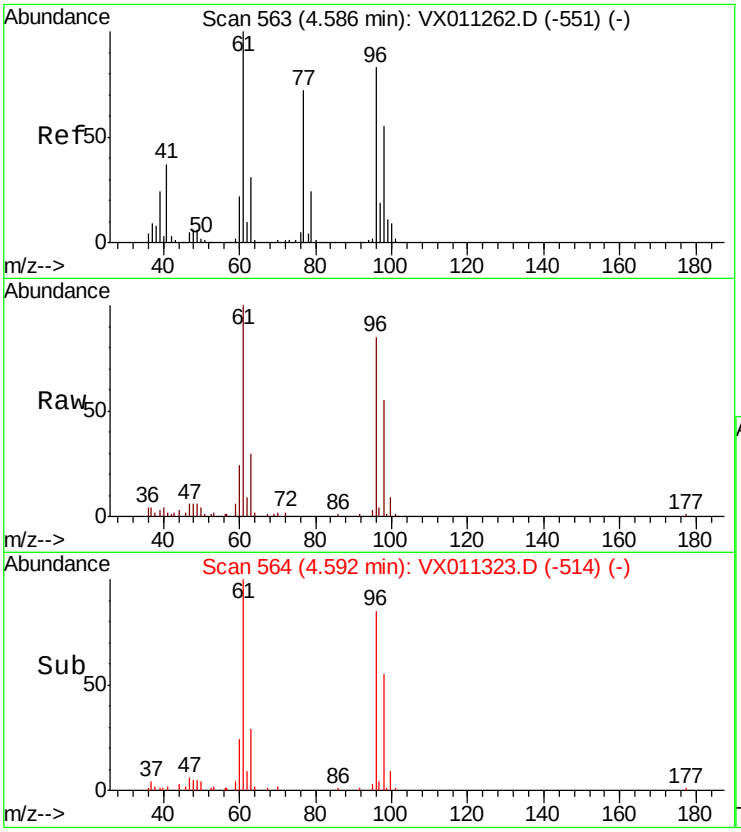




#21
trans-1,2-Dichloroethene
Concen: 2.159 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 96 Resp: 3021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 101.4 | 92.8 | 139.2 |
| 98 | 57.2 | 51.2 | 76.8 |



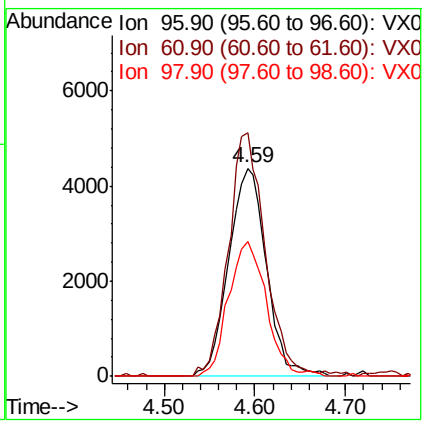


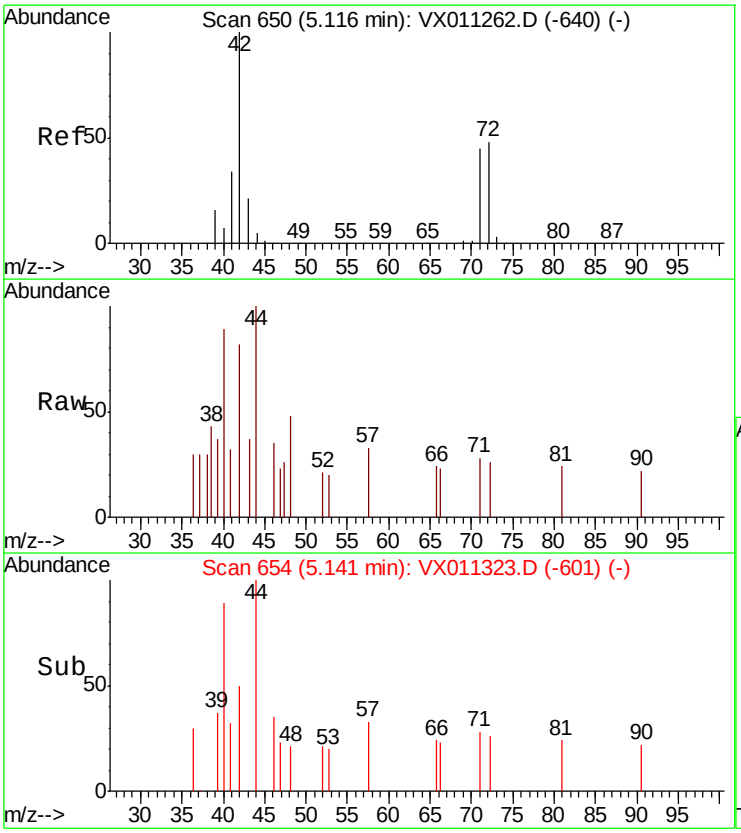

#27
cis-1,2-Dichloroethene
Concen: 7.826 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 96 Resp: 12611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 114.0 | 0.0 | 260.2 |
| 98 | 64.2 | 0.0 | 133.2 |

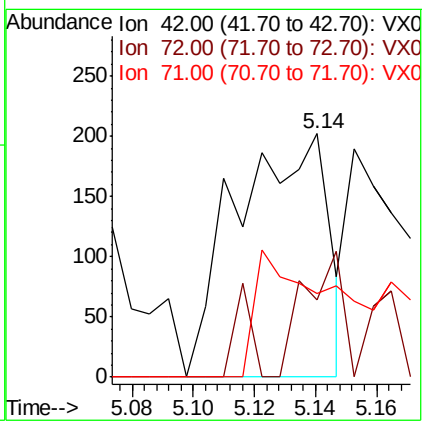


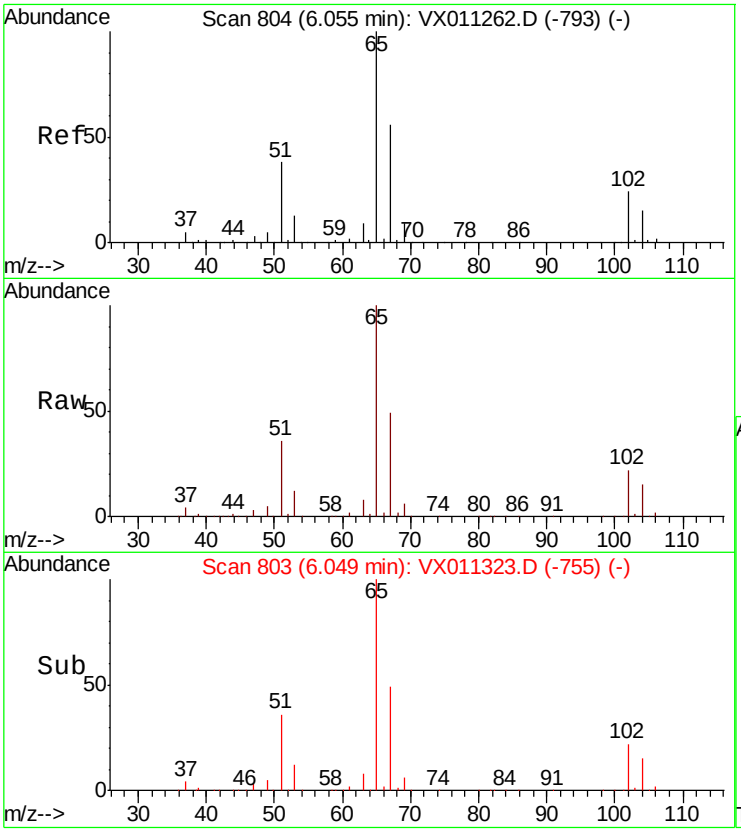




#29
Tetrahydrofuran
Concen: 0.694 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.02 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 42 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 21.6 | 39.9 | 59.9# |
| 71 | 0.0 | 36.9 | 55.3# |



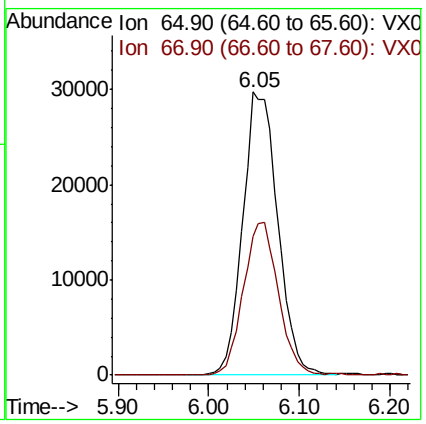


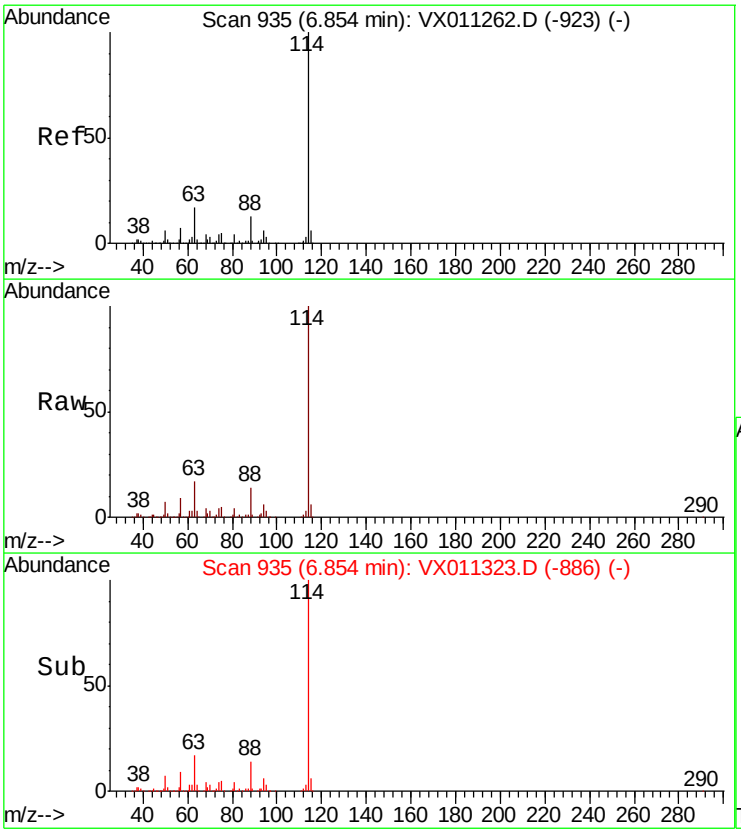

#33
1,2-Dichloroethane-d4
Concen: 54.503 ug/l
RT: 6.05 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 65 Resp: 79780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 110.6 |

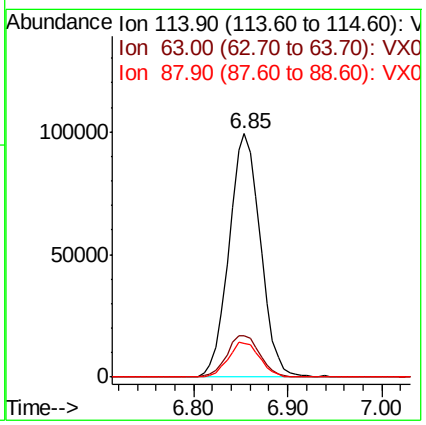


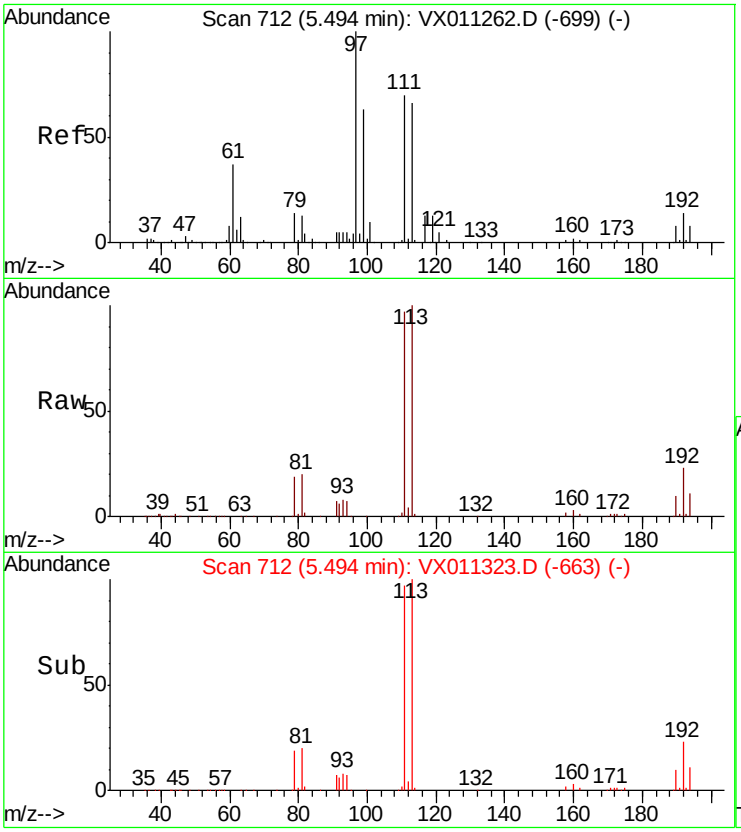




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion:114 Resp: 230398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.1 | 0.0 | 34.0 |
| 88 | 13.9 | 0.0 | 26.4 |



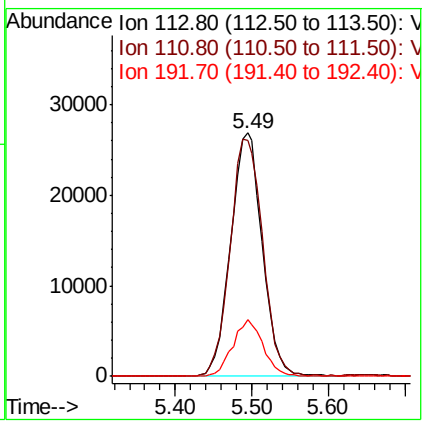


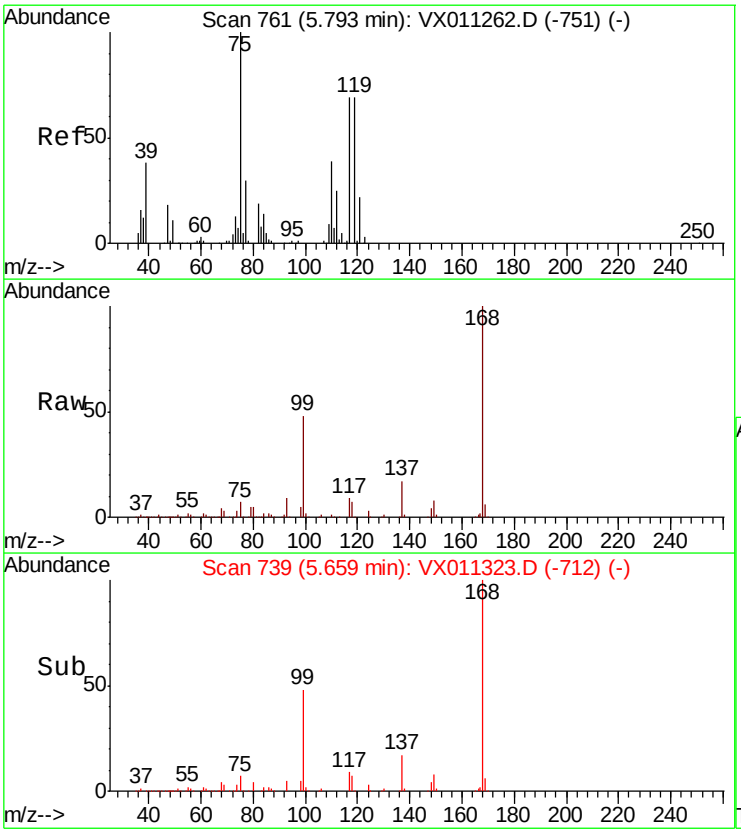

#35
Dibromofluoromethane
Concen: 51.044 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion:113 Resp: 76781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.5 | 81.9 | 122.9 |
| 192 | 22.3 | 17.8 | 26.8 |

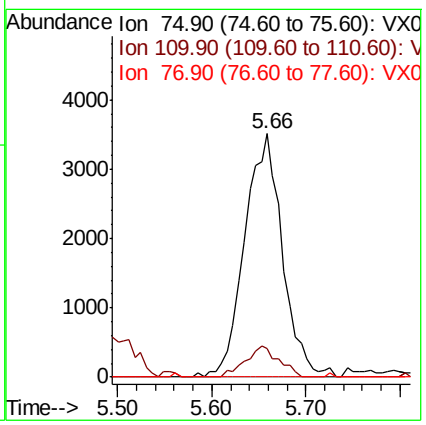


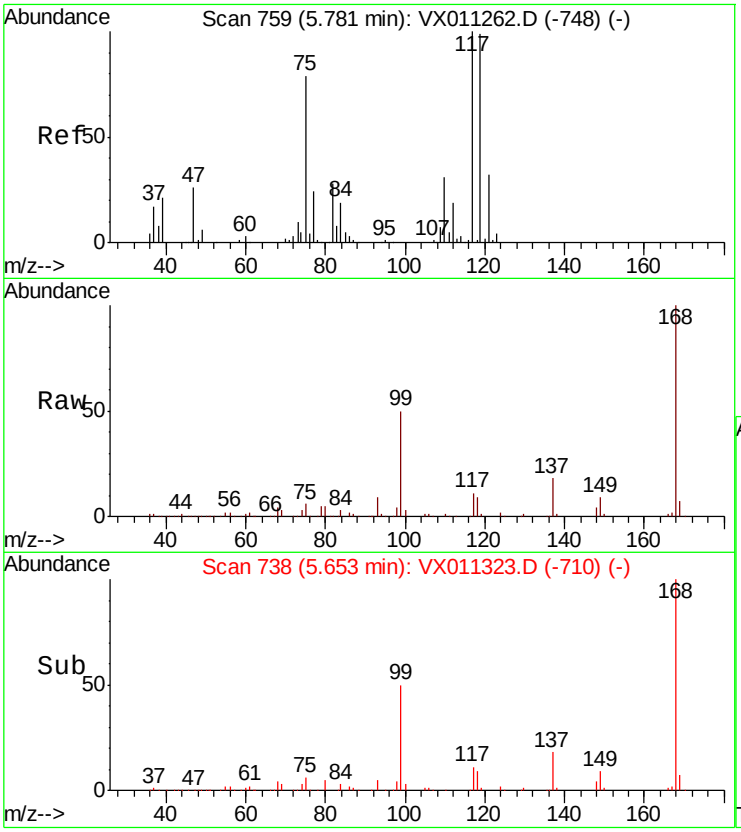




#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 75 Resp: 9880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.2 | 20.0 | 59.9# |
| 77 | 0.0 | 24.8 | 37.2# |



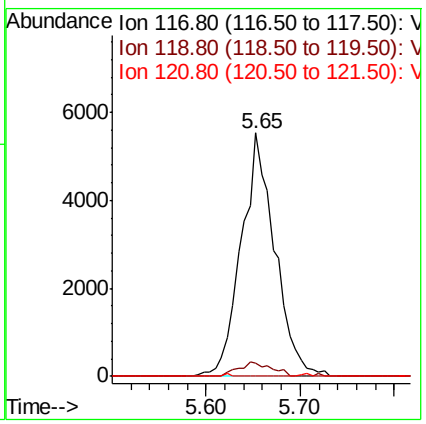


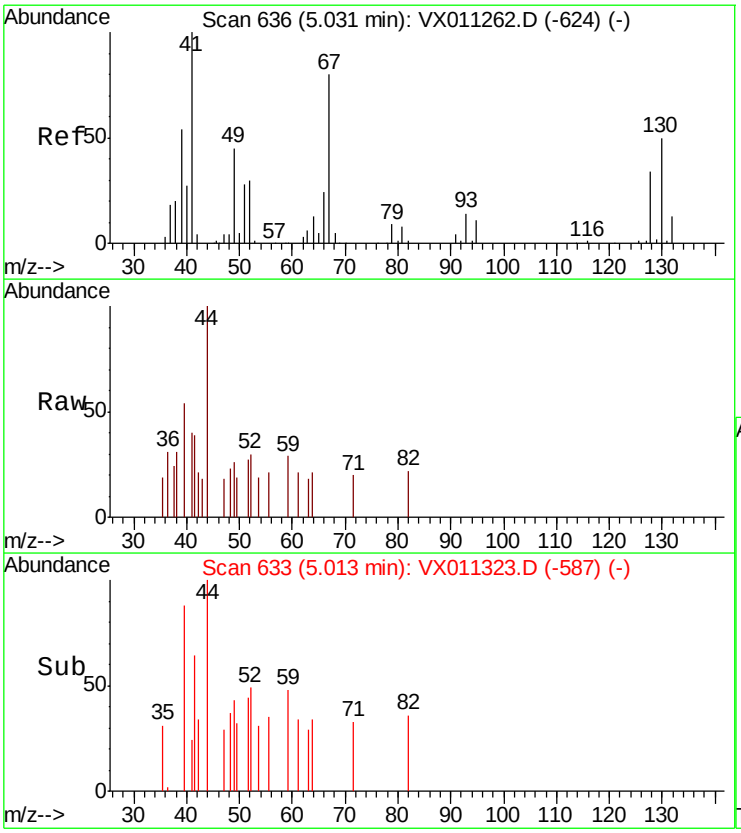

#38
Carbon Tetrachloride
Concen: 6.776 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion:117 Resp: 13713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 79.0 | 118.4# |
| 121 | 0.0 | 25.9 | 38.9# |

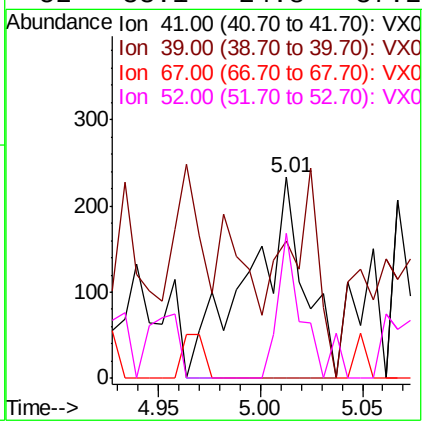


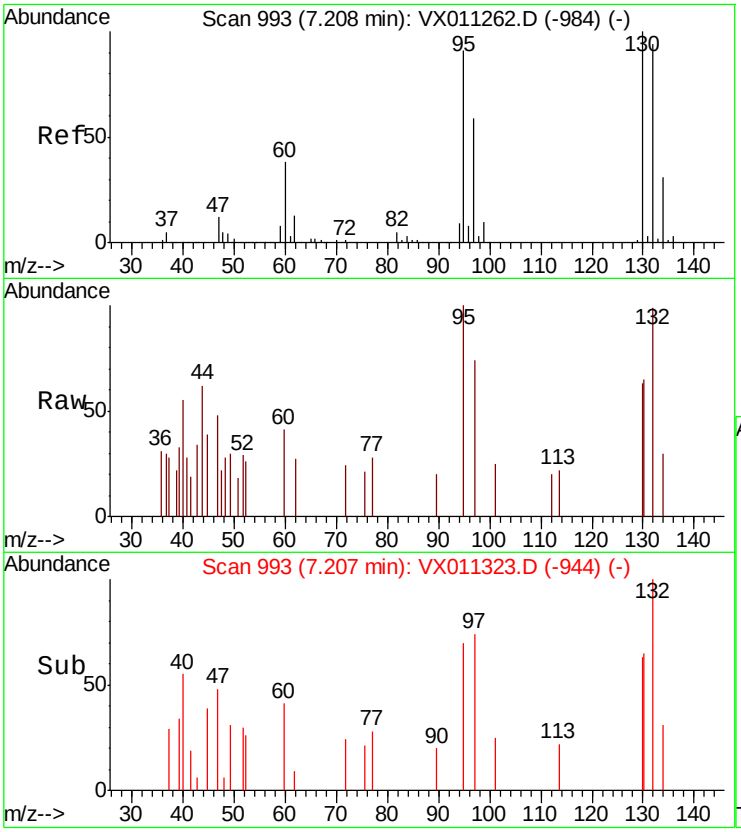




#41
Methacrylonitrile
Concen: 0.403 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.02 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 41 Resp: 444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.7 | 43.0 | 64.6 |
| 67 | 0.0 | 65.1 | 97.7# |
| 52 | 33.1 | 24.8 | 37.2 |



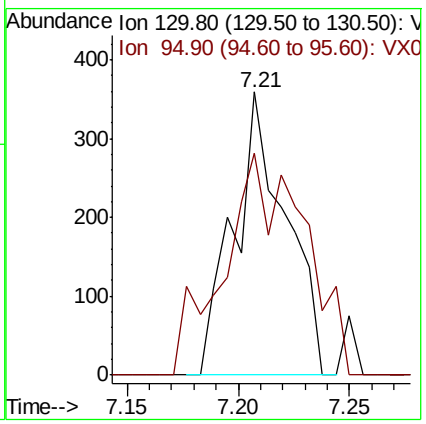


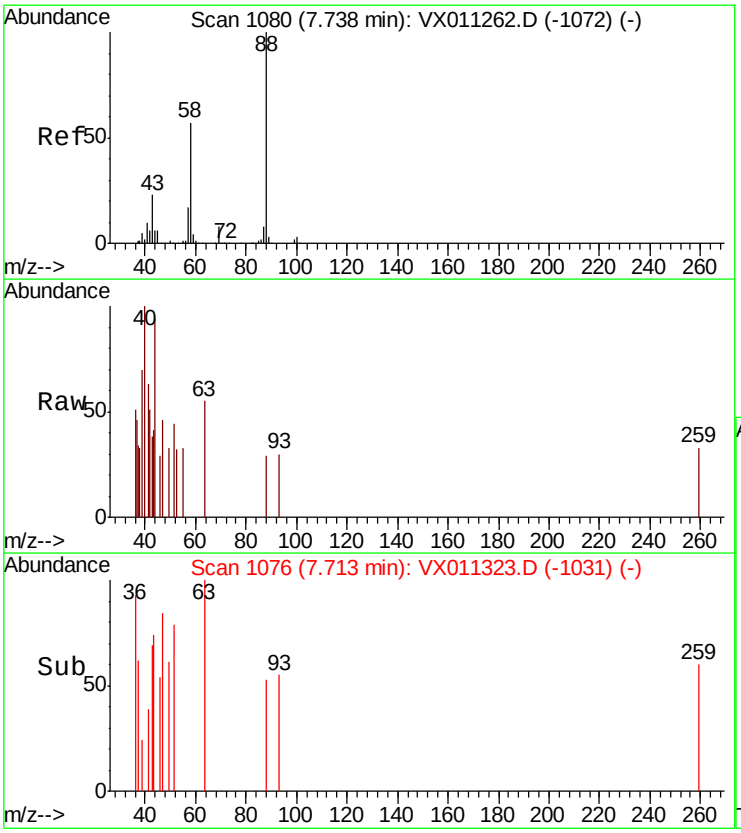

#44
Trichloroethene
Concen: 0.320 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion:130 Resp: 582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 47.4 | 0.0 | 182.6 |

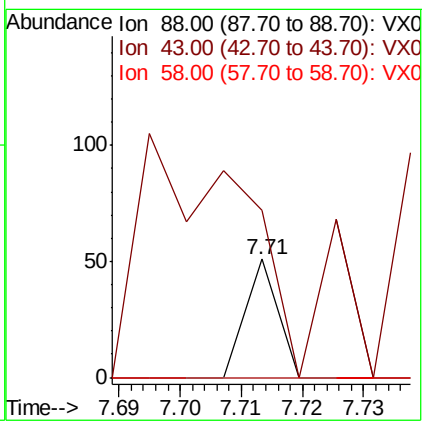


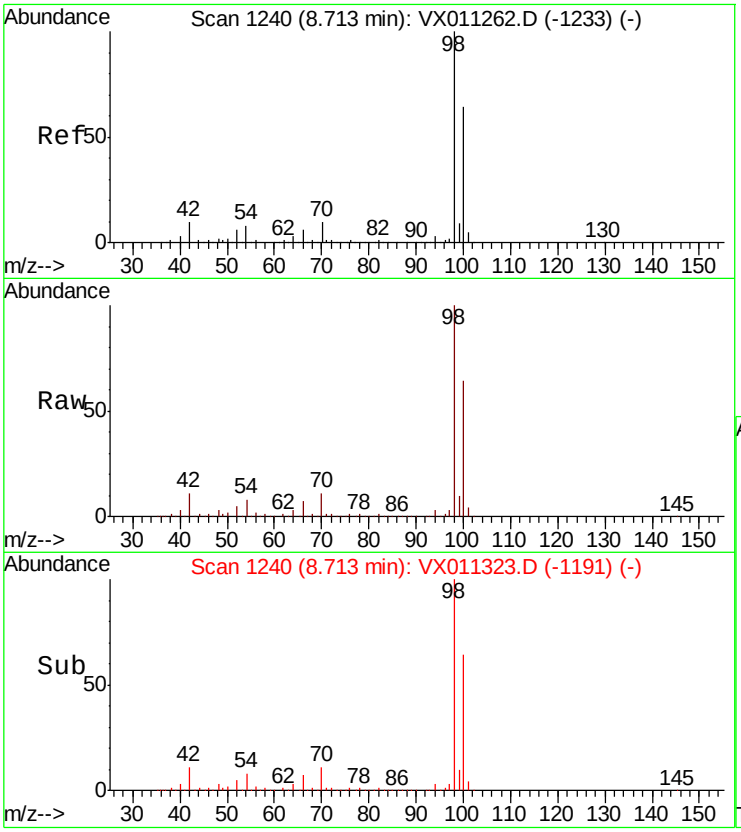




#49
1,4-Dioxane
Concen: 0.432 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 88 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 642.1 | 22.2 | 33.2# |
| 58 | 0.0 | 47.8 | 71.8# |



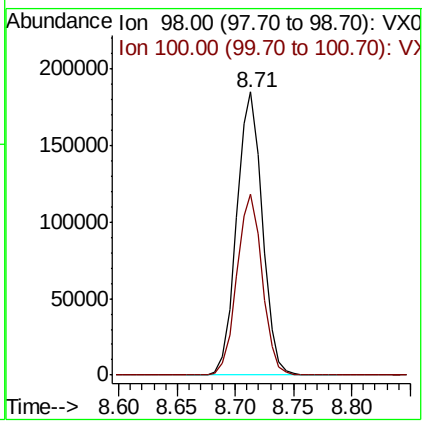


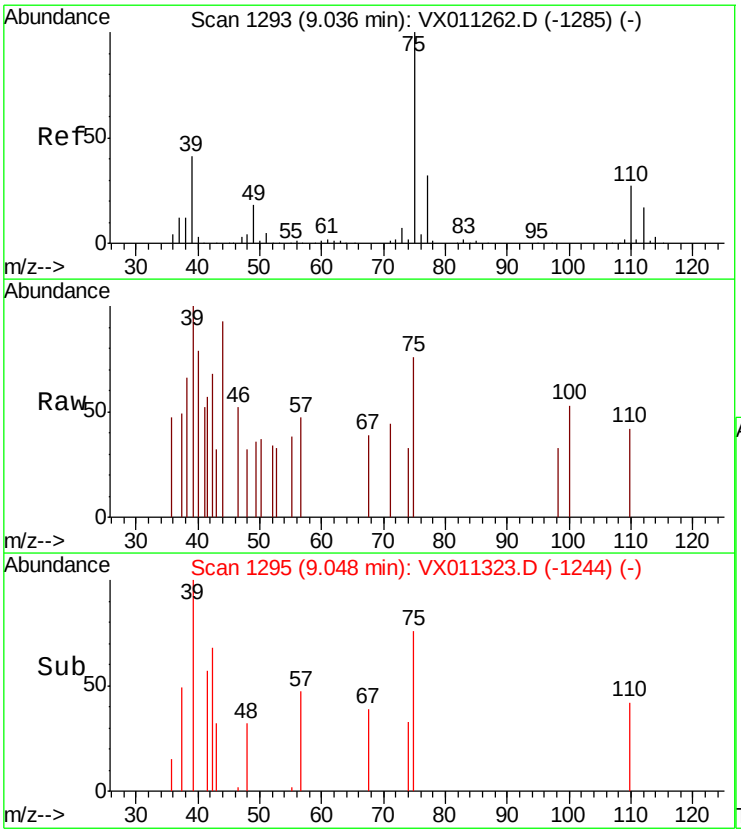

#50
Toluene-d8
Concen: 50.133 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 98 Resp: 284652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.3 | 51.7 | 77.5 |

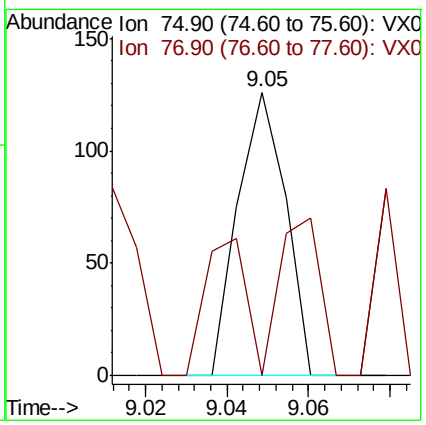


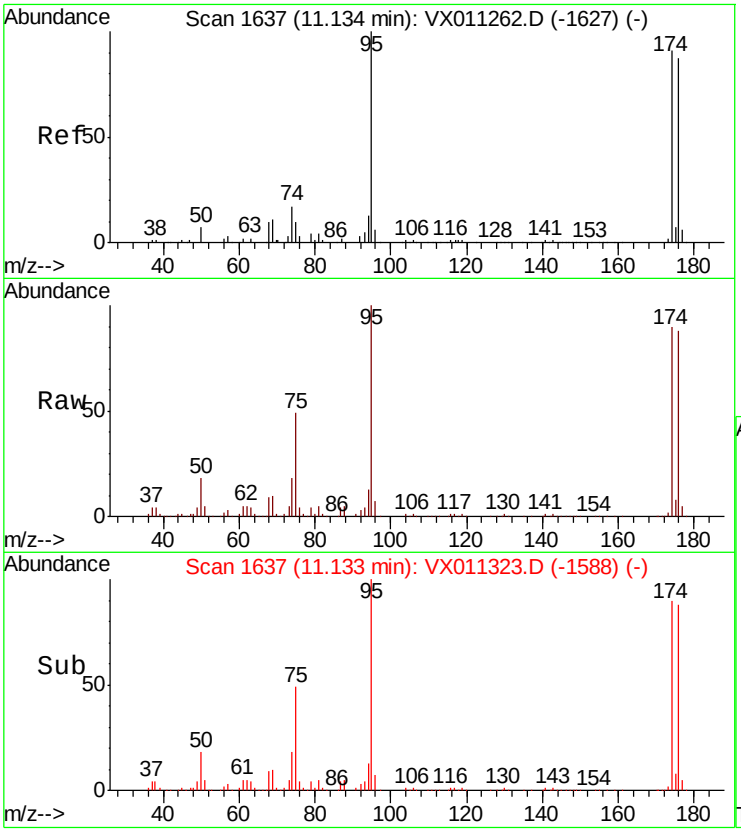




#53
t-1,3-Dichloropropene
Concen: 2.881 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 75 Resp: 102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.0# |



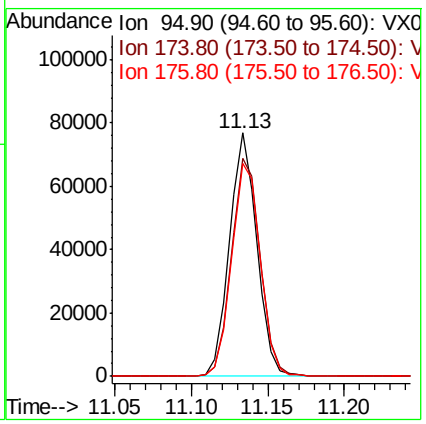


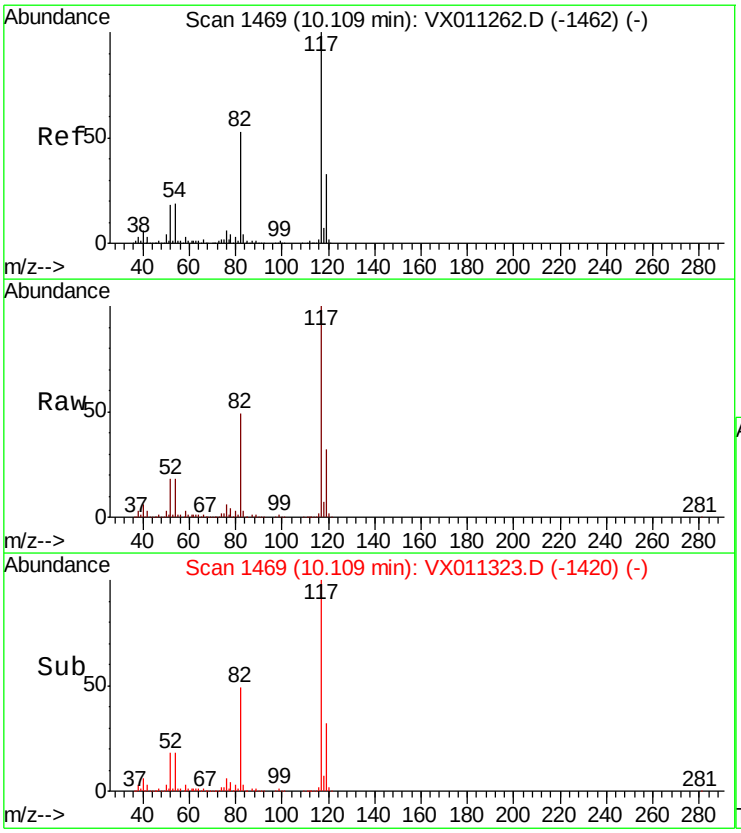

#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 95 Resp: 95388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.0 | 0.0 | 191.2 |
| 176 | 91.5 | 0.0 | 184.8 |

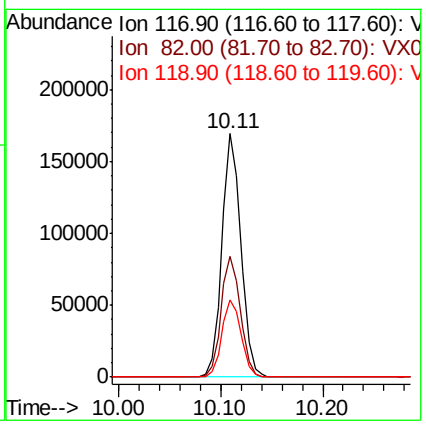


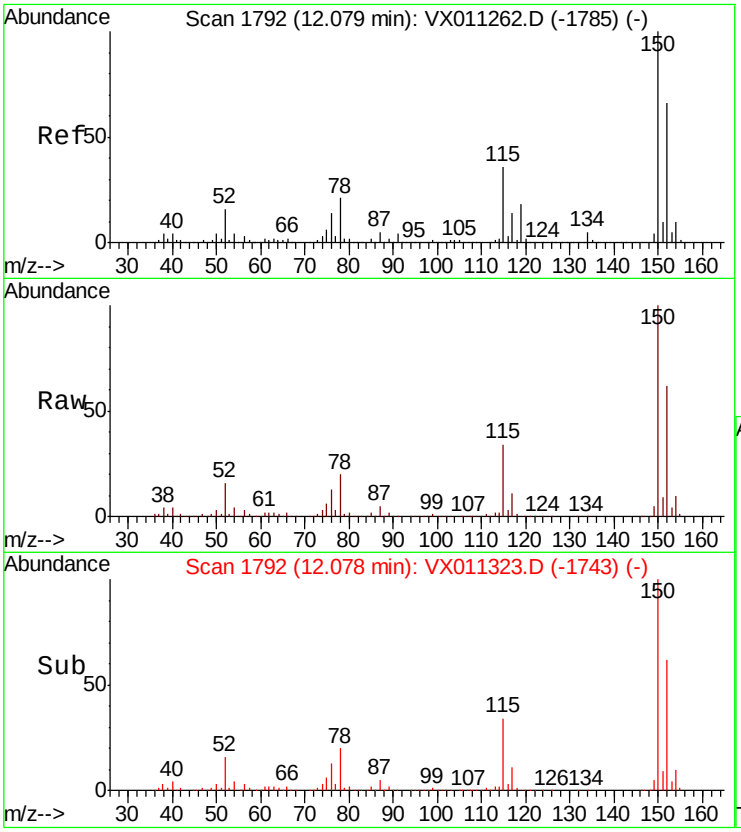




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion:117 Resp: 218438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.4 | 42.2 | 63.2 |
| 119 | 31.7 | 26.6 | 39.8 |



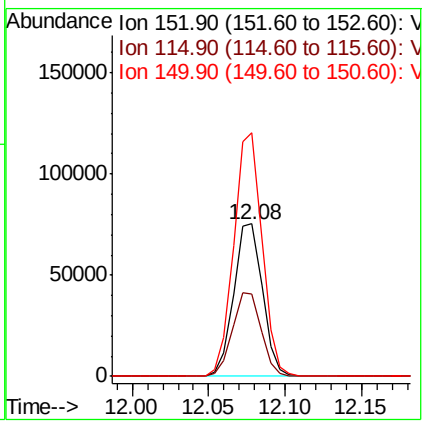


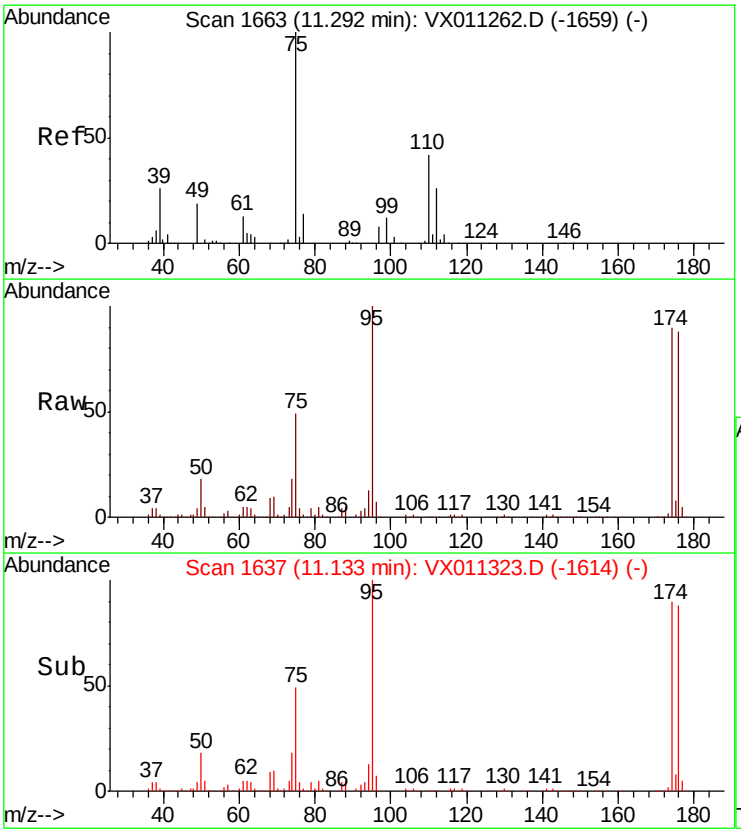

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion:152 Resp: 98296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.1 | 40.0 | 119.9 |
| 150 | 157.3 | 0.0 | 350.4 |

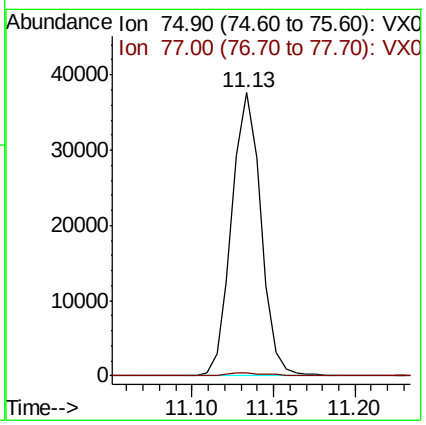


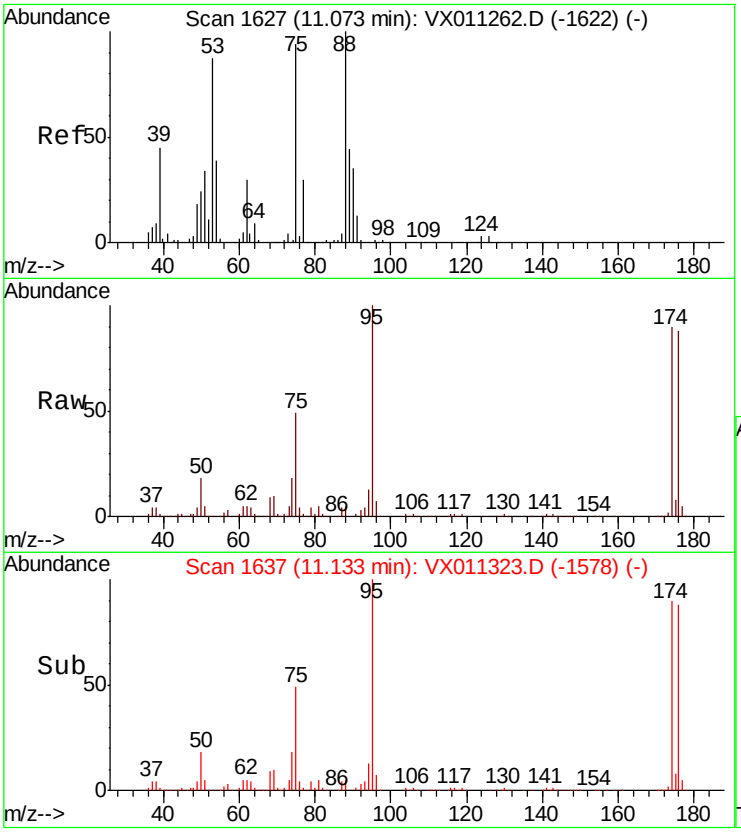




#76
1,2,3-Trichloropropane
Concen: 26.358 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion: 75 Resp: 47183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 21.1 | 63.4# |



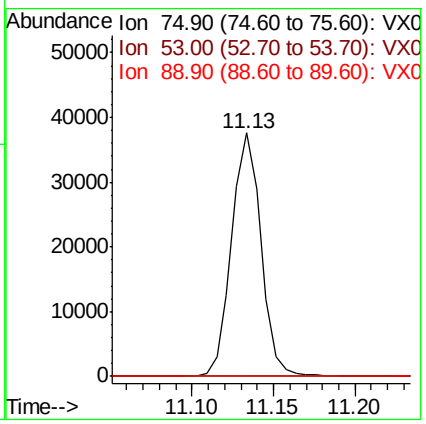


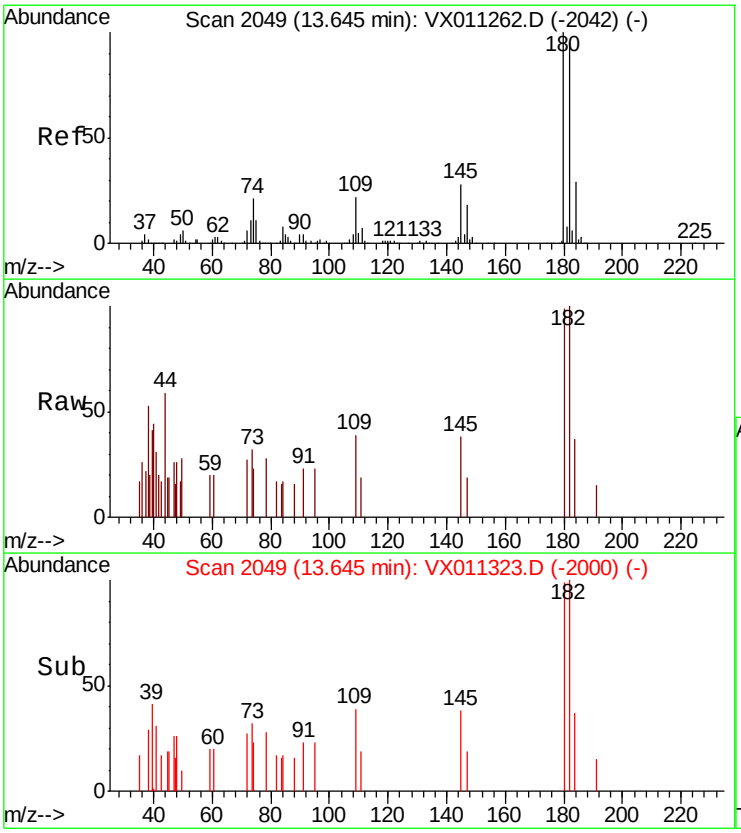

#81
trans-1,4-Dichloro-2-butene
Concen: 68.537 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

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

Tgt Ion: 75 Resp: 47183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 78.2 | 117.4# |
| 89 | 0.0 | 37.9 | 56.9# |




#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011323.D
Acq: 05 Aug 2019 12:00

Tgt Ion:180 Resp: 459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.4 | 47.8 | 143.4 |
| 145 | 34.6 | 14.8 | 44.3 |