Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032720\
Data File : VX015381.D
Acq On : 27 Mar 2020 15:05
Operator : JC/SP
Sample : L2015-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 011-OUTFALL

Quant Time: Mar 30 01:43:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 1153517 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.84 | 114 | 1893726 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 1781538 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 946963 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 761677 | 46.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.64% | | | |
| 35) Dibromofluoromethane | 5.47 | 113 | 583650 | 48.21 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.42% | | | |
| 50) Toluene-d8 | 8.70 | 98 | 2269491 | 50.92 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.84% | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 978919 | 54.05 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.10% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.61 | 94 | 266 | Below Cal | | 81 |
| 6) Chloroethane | 1.69 | 64 | 2193 | 0.298 | ug/l # | 84 |
| 11) Tert butyl alcohol | 3.01 | 59 | 6097 | 1.566 | ug/l # | 83 |
| 13) Acrolein | 2.27 | 56 | 4645 | 2.094 | ug/l # | 81 |
| 16) Acetone | 2.42 | 43 | 97007 | 13.879 | ug/l | 96 |
| 25) 2-Butanone | 4.65 | 43 | 20345 | 1.810 | ug/l # | 85 |
| 31) Cyclohexane | 5.64 | 56 | 25400 | 1.233 | ug/l # | 17 |
| 36) 1,1-Dichloropropene | 5.64 | 75 | 87200 | 4.998 | ug/l # | 52 |
| 38) Carbon Tetrachloride | 5.63 | 117 | 113386 | 6.000 | ug/l # | 15 |
| 49) 1,4-Dioxane | 7.72 | 88 | 480 | 1.343 | ug/l # | 20 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 29876 | 1.375 | ug/l | 95 |
| 59) 2-Hexanone | 9.48 | 43 | 4100 | 0.250 | ug/l | 73 |
| 70) Styrene | 10.70 | 104 | 10519 | 0.258 | ug/l | 95 |
| 74) N-amyl acetate | 10.90 | 43 | 8072 | 0.234 | ug/l # | 58 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 500215 | 25.687 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 500215 | 61.635 | ug/l # | 10 |
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180 | 9782 | 0.427 | ug/l | 95 |
| 94) Hexachlorobutadiene | 13.77 | 225 | 3710 | 0.340 | ug/l | 88 |

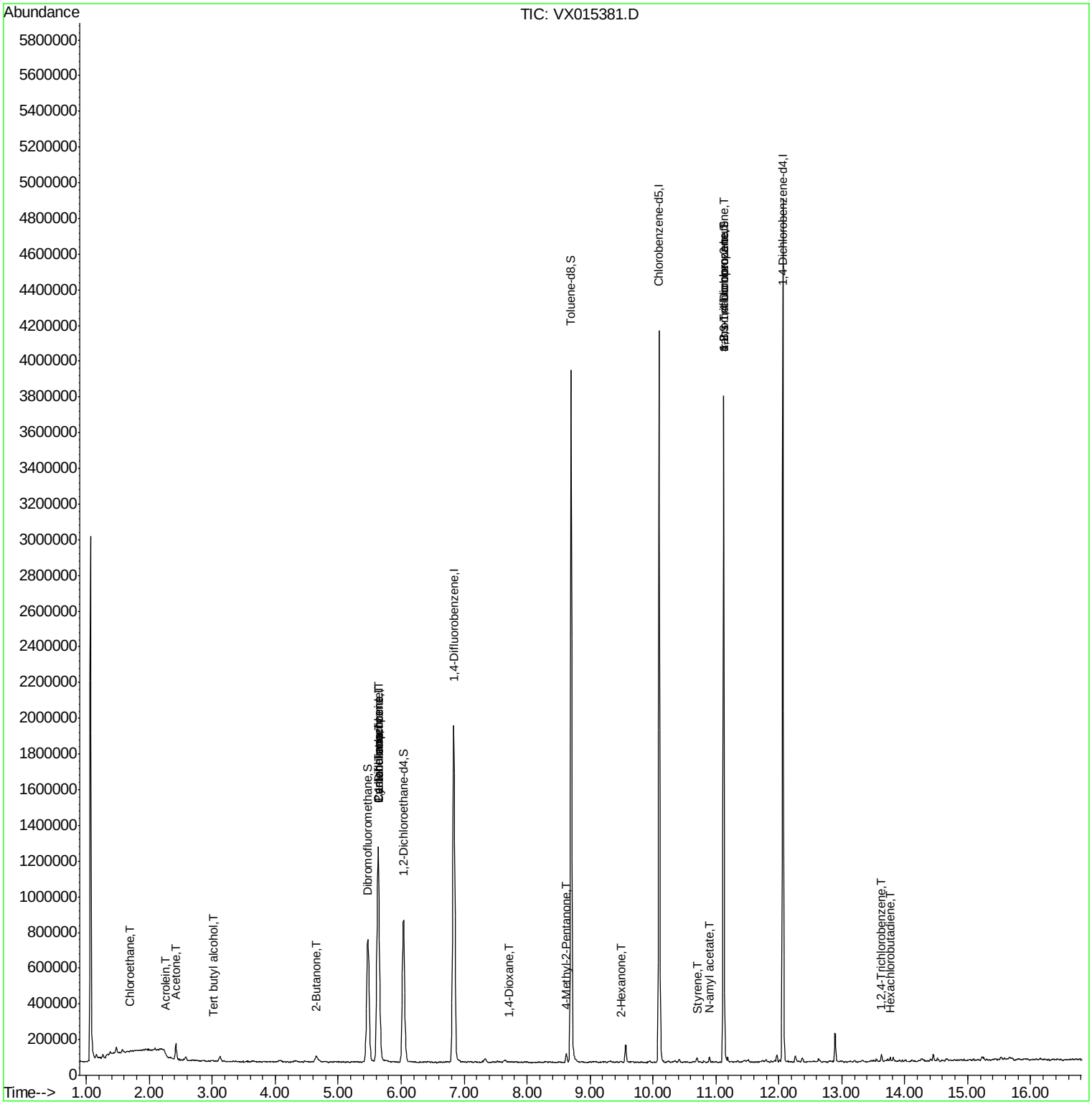
(#) = qualifier out of range (m) = manual integration (+) = signals summed

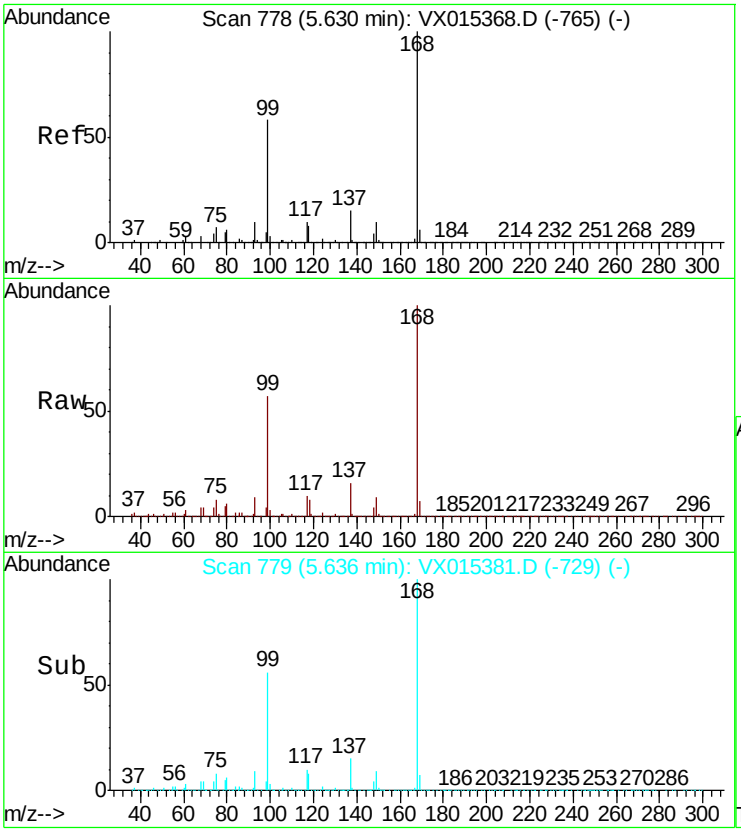
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032720\
Data File : VX015381.D
Acq On : 27 Mar 2020 15:05
Operator : JC/SP
Sample : L2015-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Quant Time: Mar 30 01:43:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration



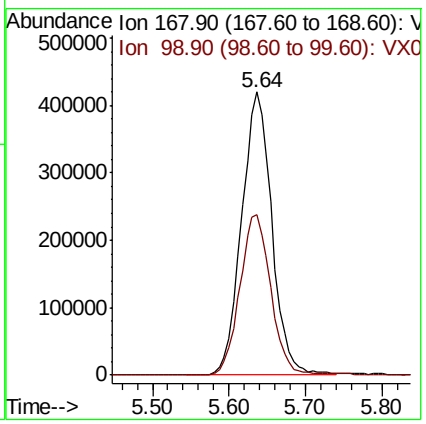


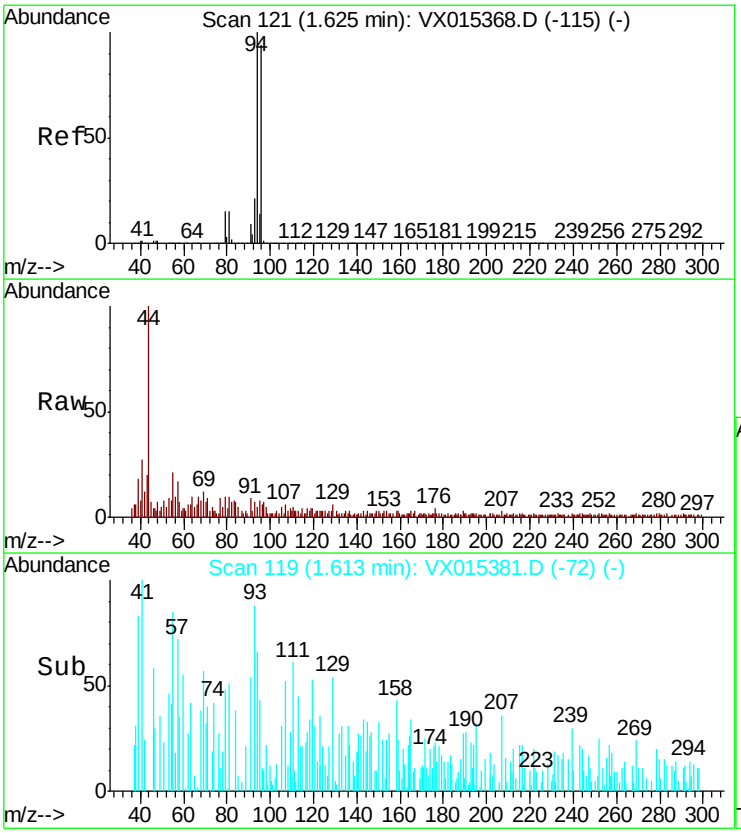

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion:168 Resp: 1153517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.5 | 46.4 | 69.6 |

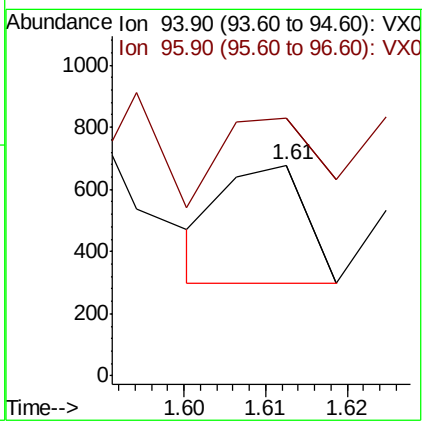


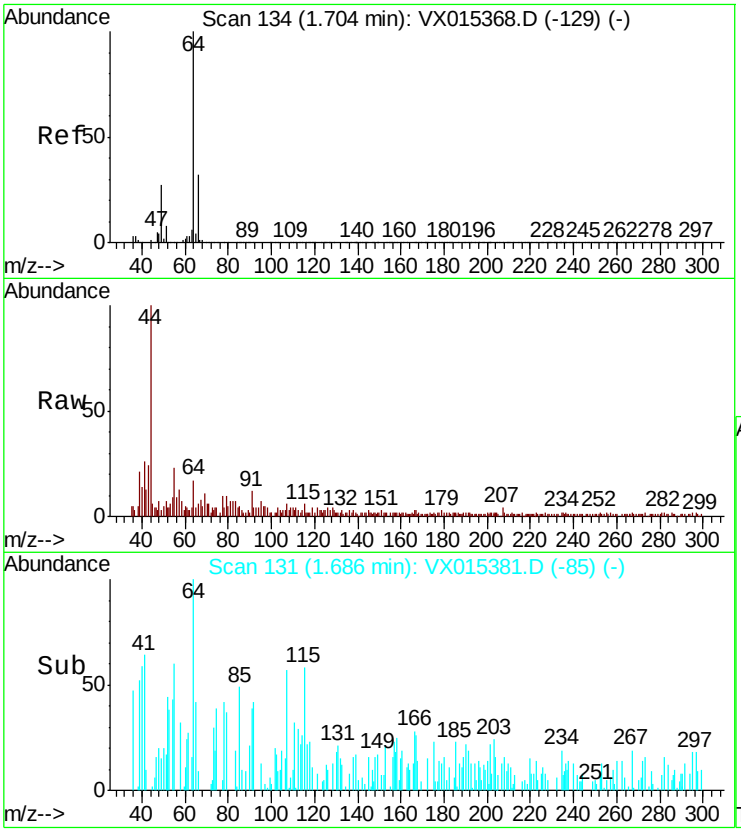




#5
Bromomethane
Concen: Below Cal
RT: 1.61 min Scan# 119
Delta R.T. -0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 94 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 75.4 | 74.8 | 112.2 |



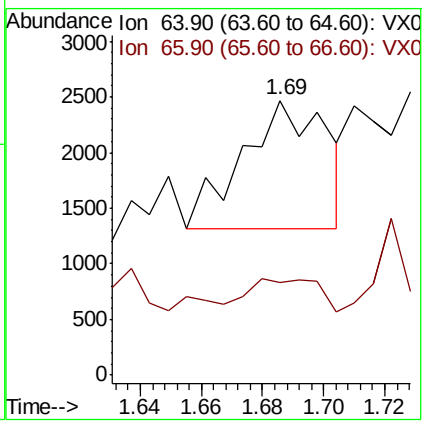


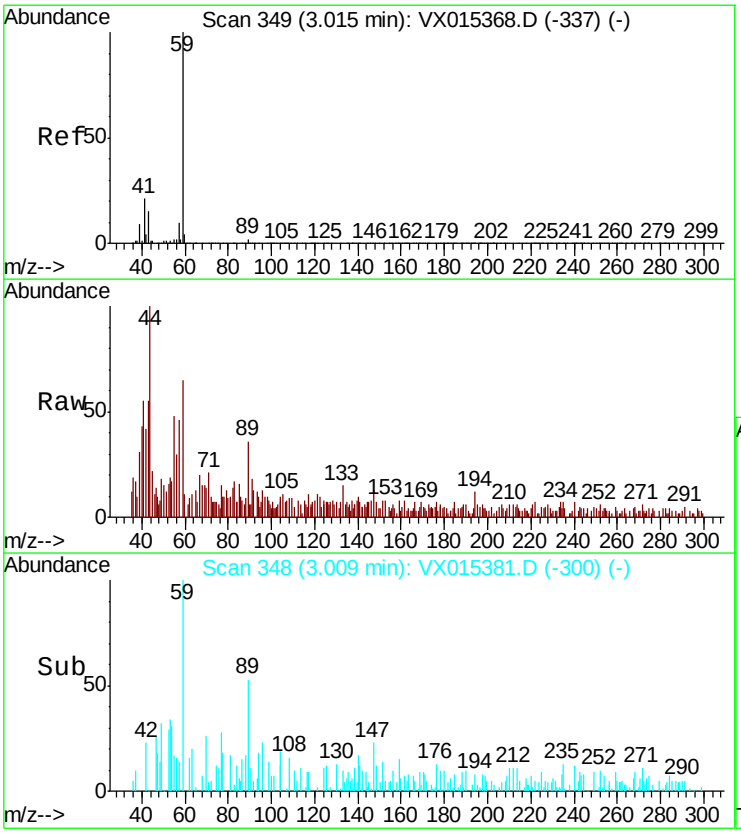

#6
Chloroethane
Concen: 0.298 ug/l
RT: 1.69 min Scan# 131
Delta R.T. -0.02 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 64 Resp: 2193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 22.7 | 25.4 | 38.2# |

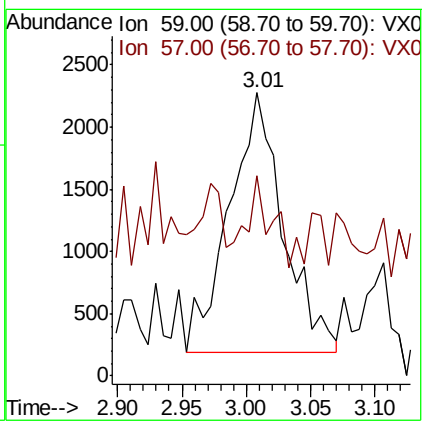


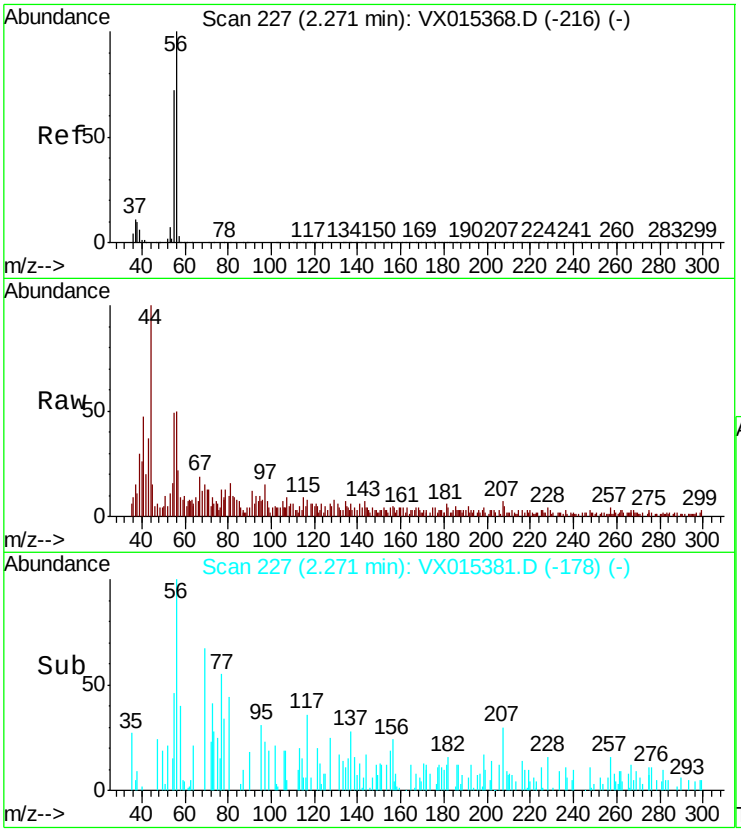




#11
Tert butyl alcohol
Concen: 1.566 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 59 Resp: 6097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 16.3 | 8.1 | 12.1# |



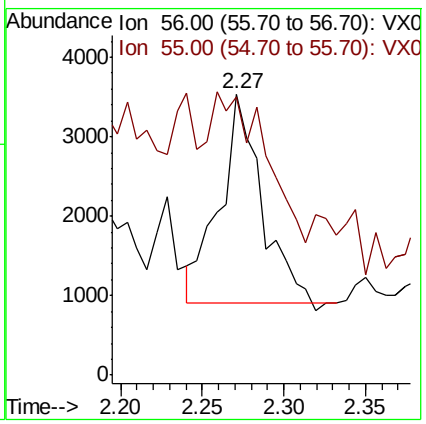


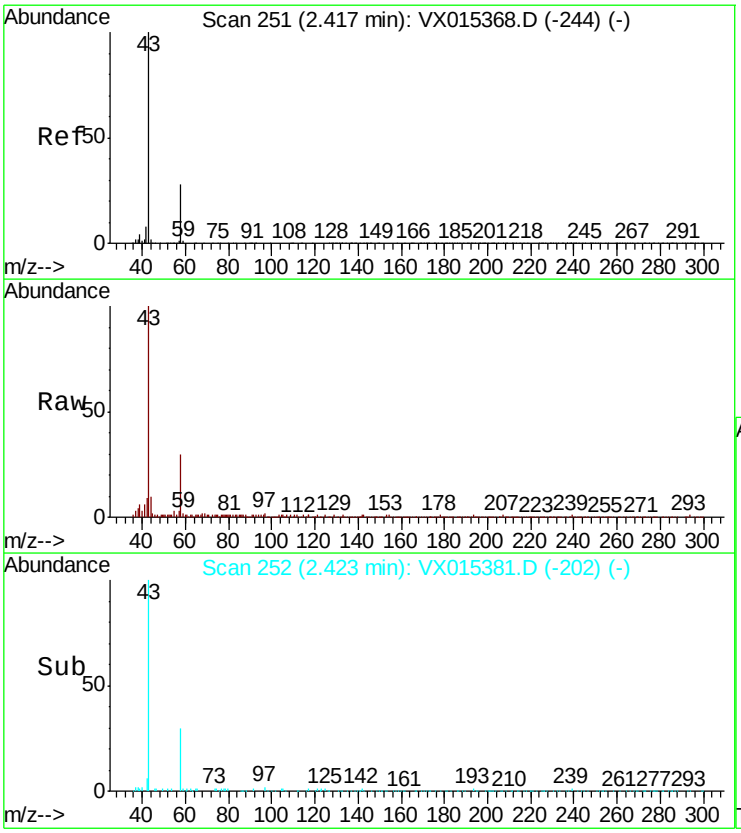

#13
Acrolein
Concen: 2.094 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 56 Resp: 4645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 87.0 | 57.0 | 85.4# |

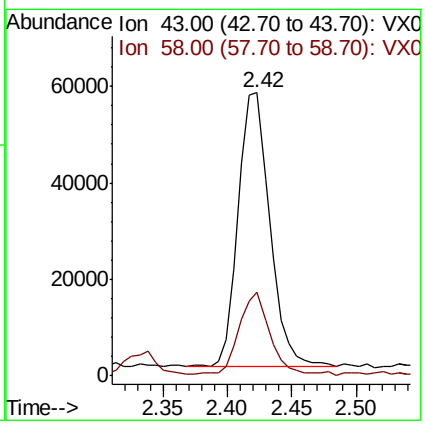


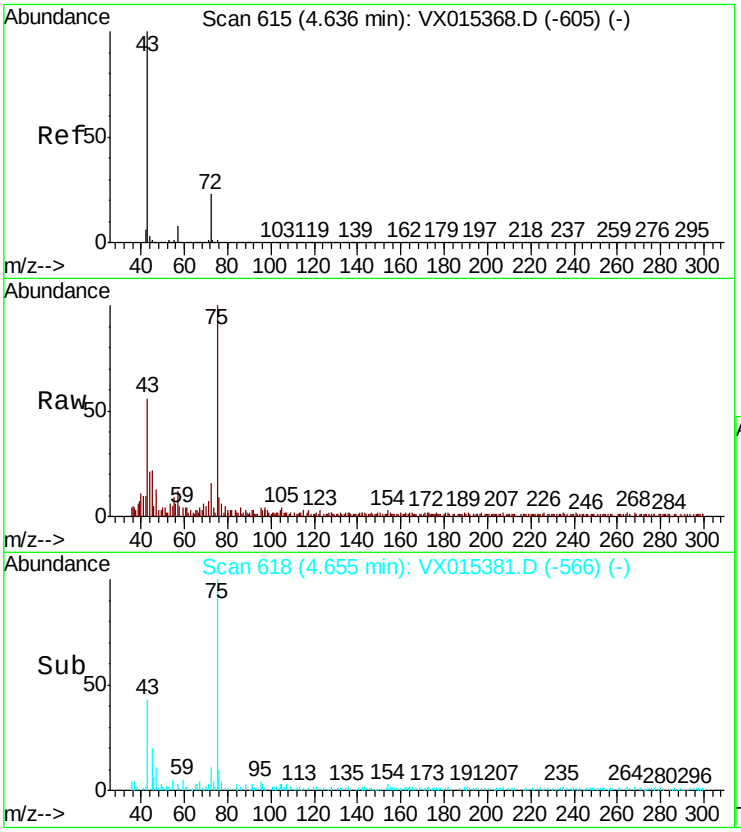




#16
Acetone
Concen: 13.879 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 43 Resp: 97007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.7 | 22.1 | 33.1 |



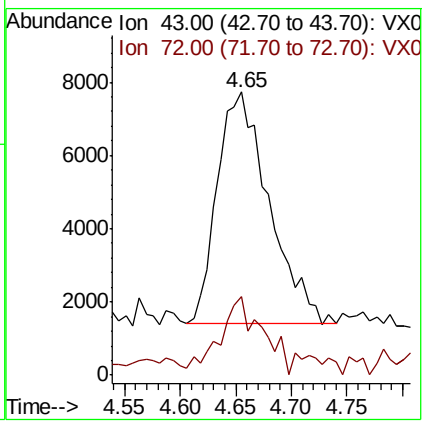


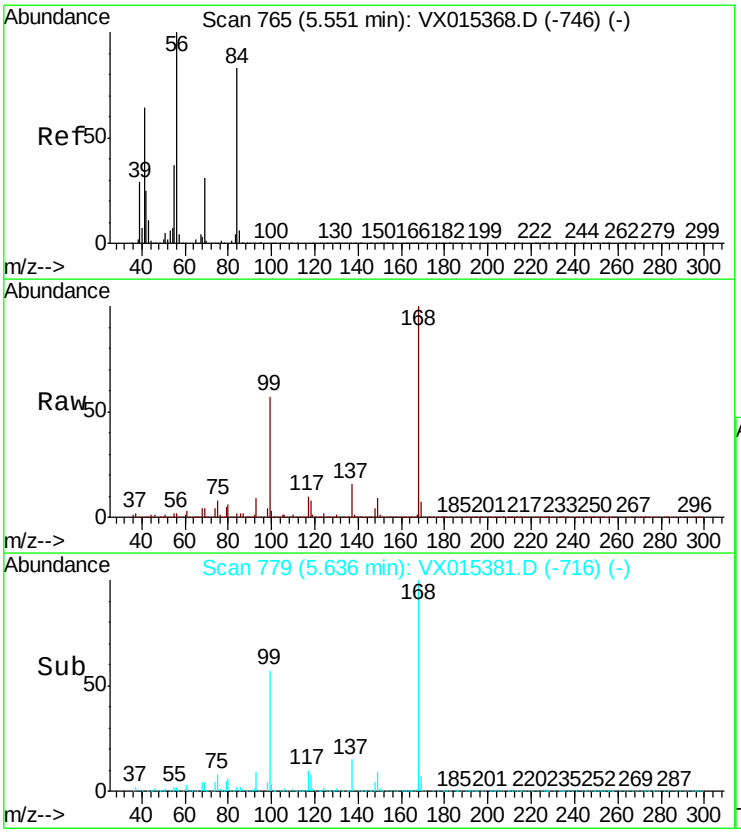

#25
2-Butanone
Concen: 1.810 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 43 Resp: 20345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 31.0 | 19.0 | 28.4# |

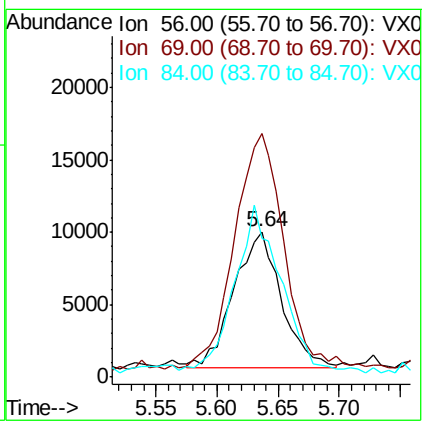


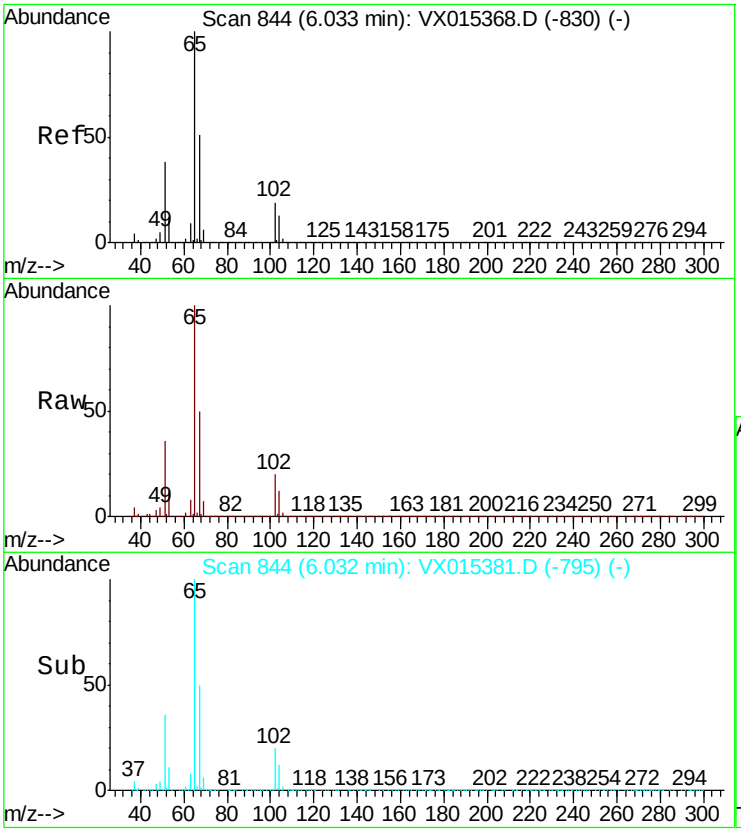




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 56 Resp: 25400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 173.4 | 24.6 | 36.8# |
| 84 | 97.6 | 66.1 | 99.1 |



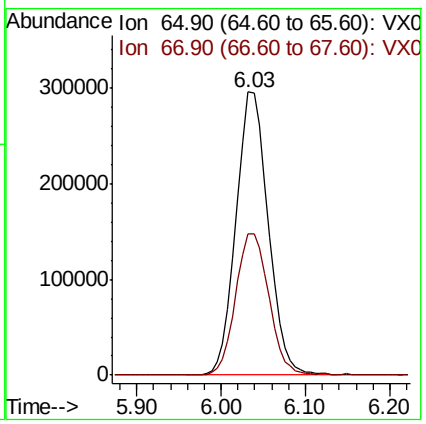


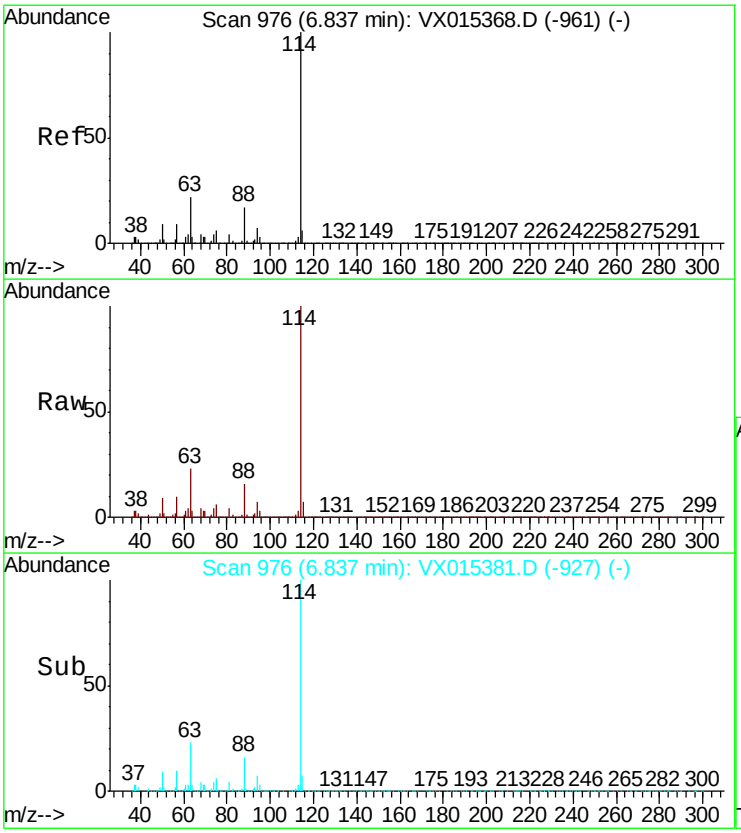

#33
1,2-Dichloroethane-d4
Concen: 46.817 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 65 Resp: 761677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 102.6 |

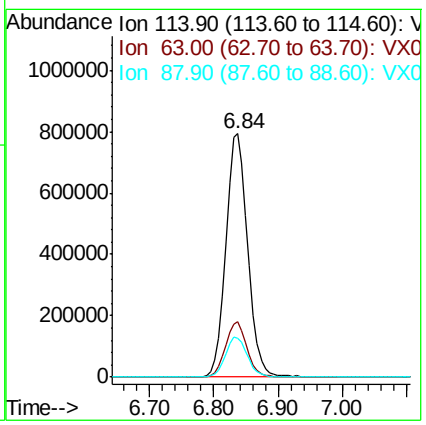


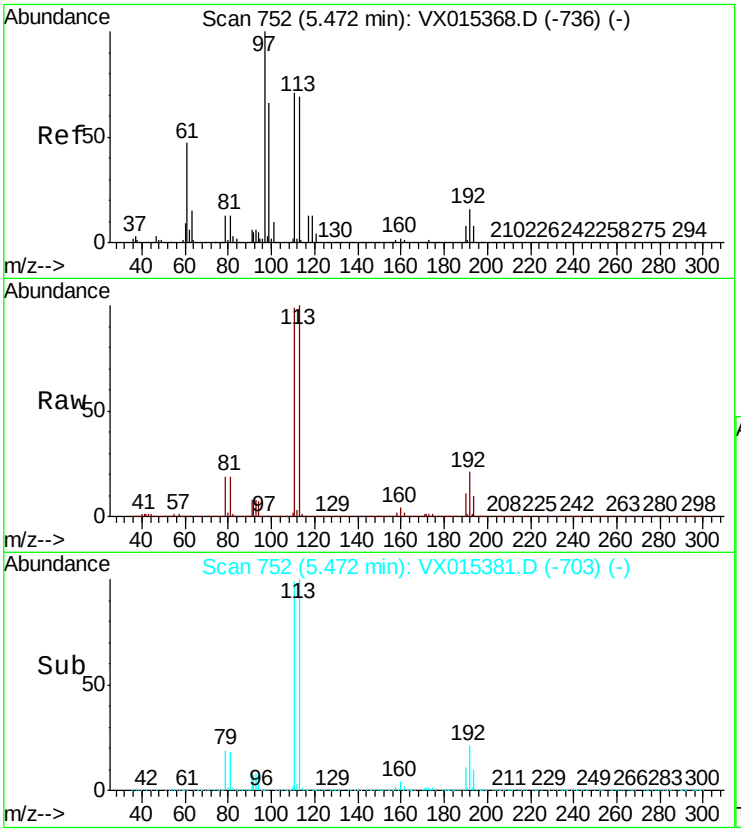




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion:114 Resp: 1893726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.2 |
| 88 | 16.0 | 0.0 | 33.8 |



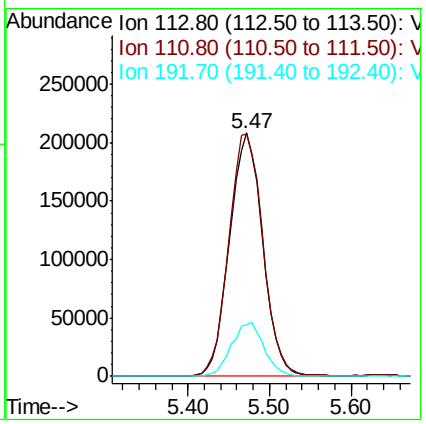


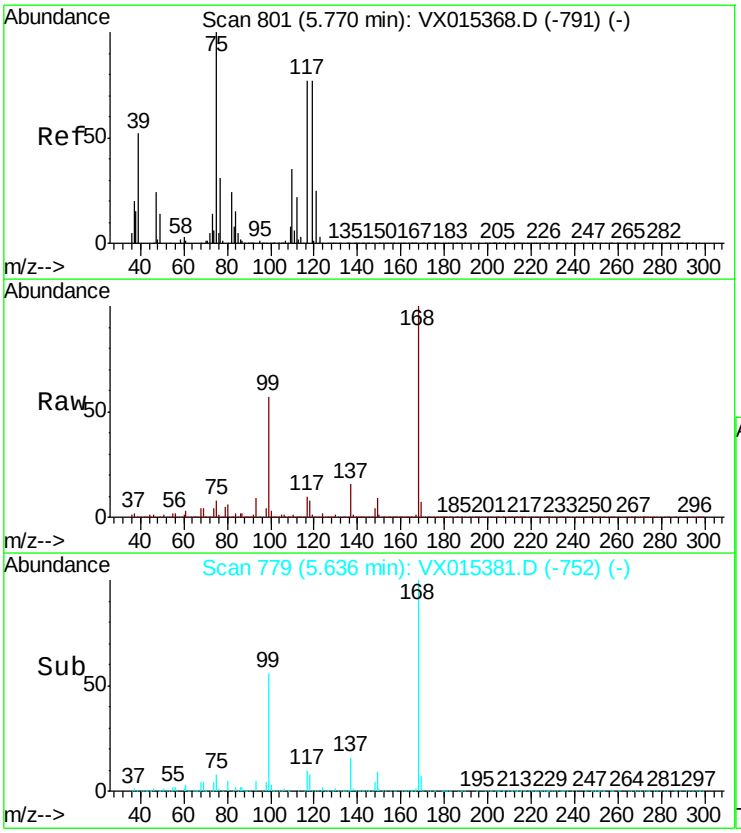

#35
Dibromofluoromethane
Concen: 48.215 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion:113 Resp: 583650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 81.5 | 122.3 |
| 192 | 21.8 | 17.8 | 26.6 |

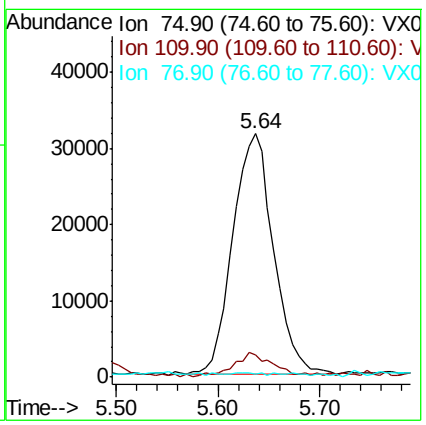


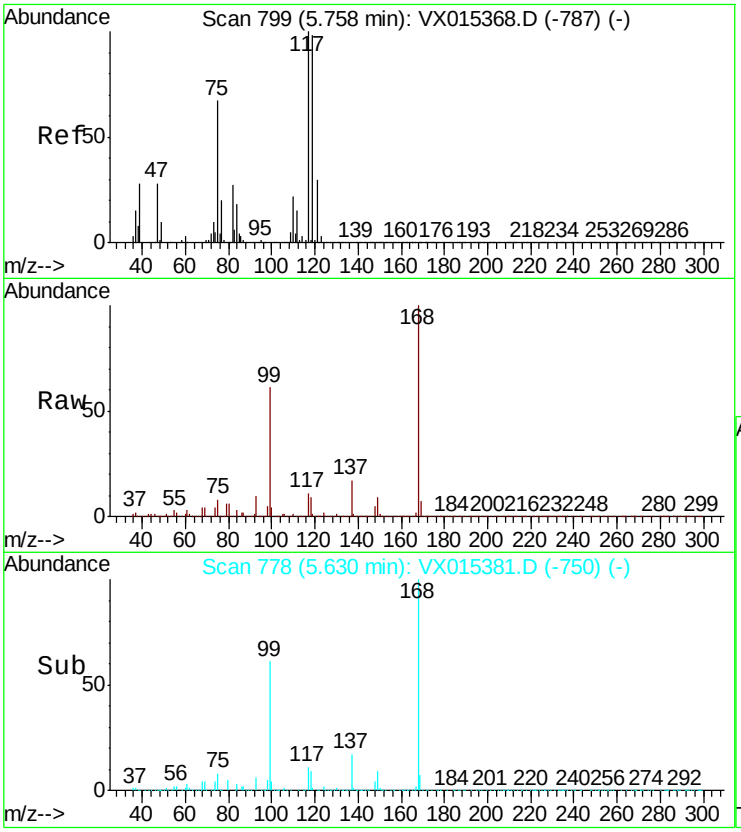




#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 75 Resp: 87200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.1 | 17.1 | 51.3# |
| 77 | 0.7 | 24.6 | 36.8# |



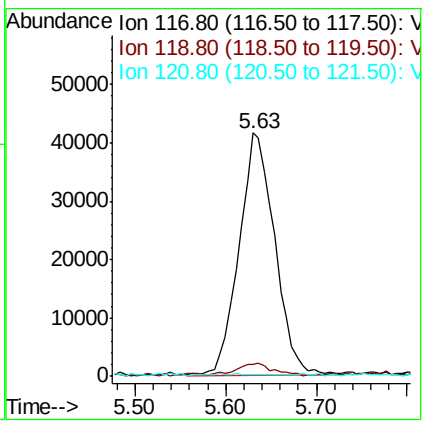


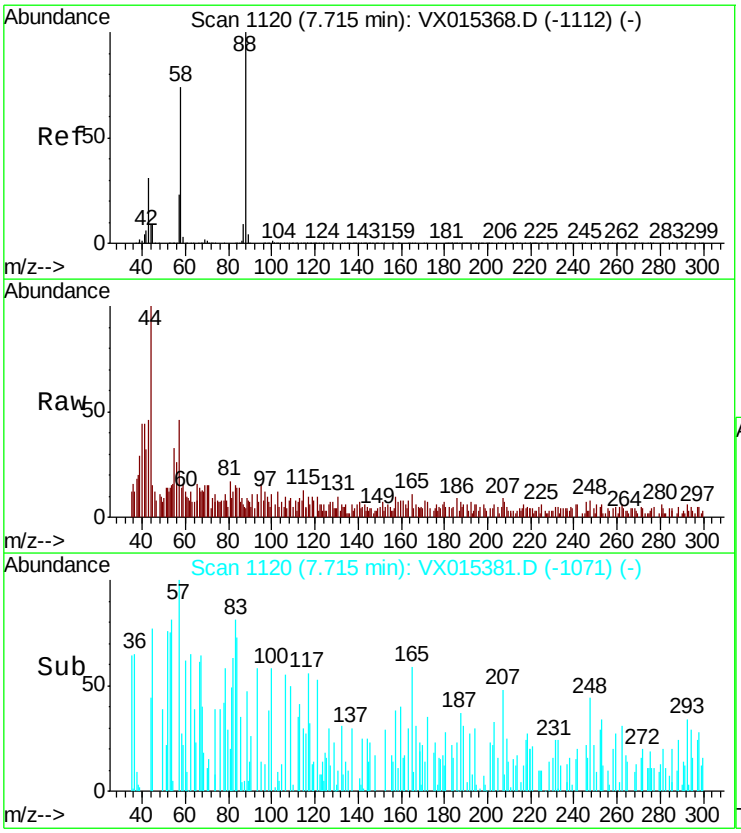

#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :** MSVOA_X
**ClientSampleId :** 011-OUTFALL

Tgt Ion:117 Resp: 113386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.5 | 78.0 | 117.0# |
| 121 | 0.6 | 23.8 | 35.8# |

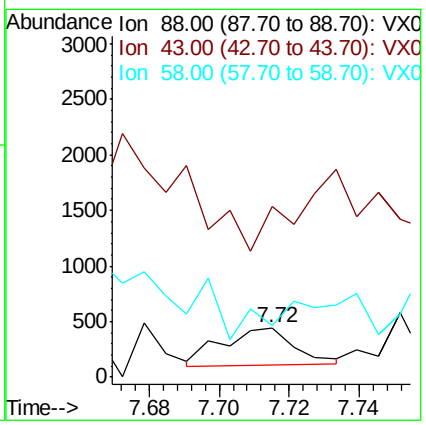


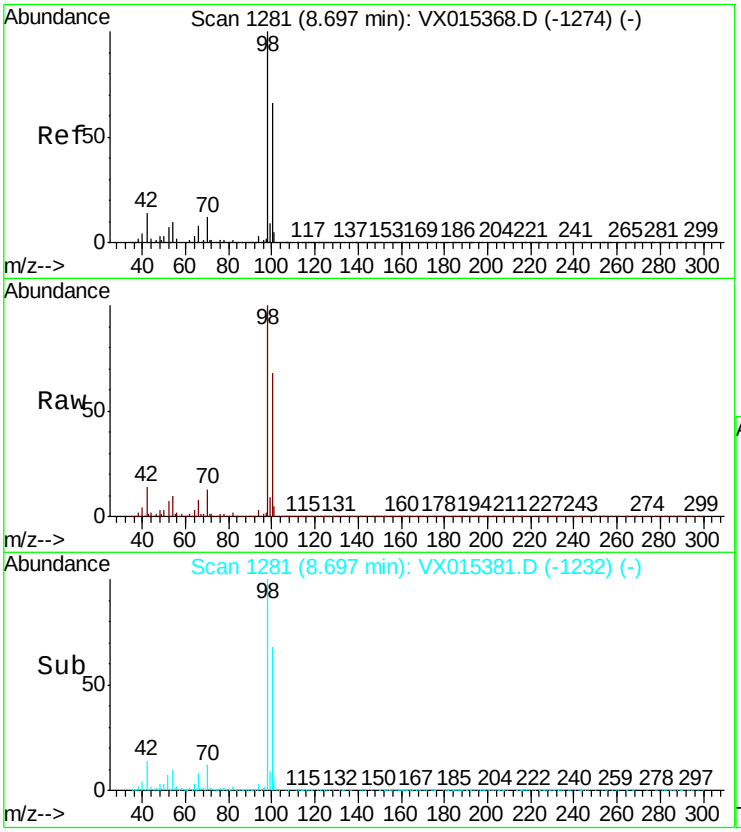




#49
1,4-Dioxane
Concen: 1.343 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 88 Resp: 480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 30.1 | 45.1# |
| 58 | 0.0 | 60.6 | 90.8# |



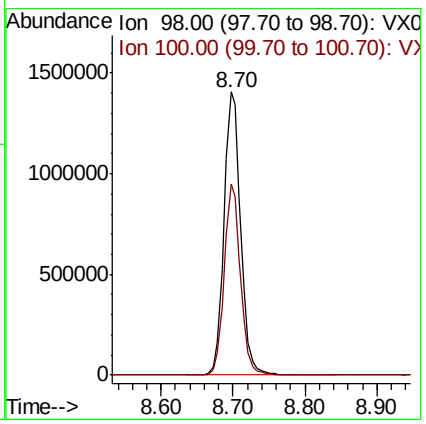


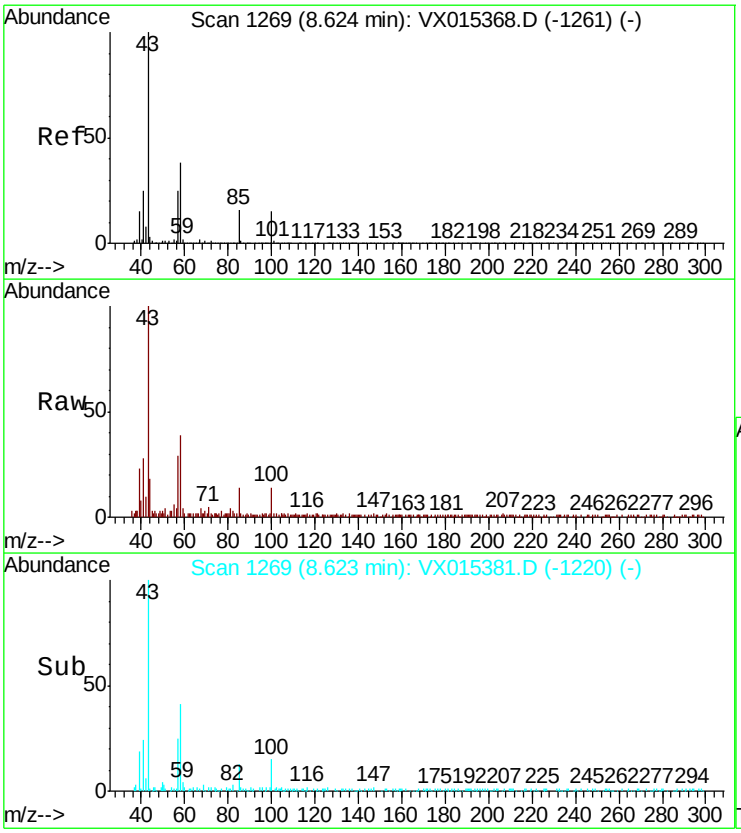

#50
Toluene-d8
Concen: 50.922 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 98 Resp: 2269491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 53.5 | 80.3 |

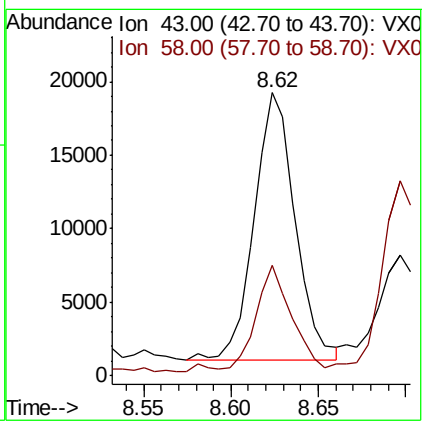


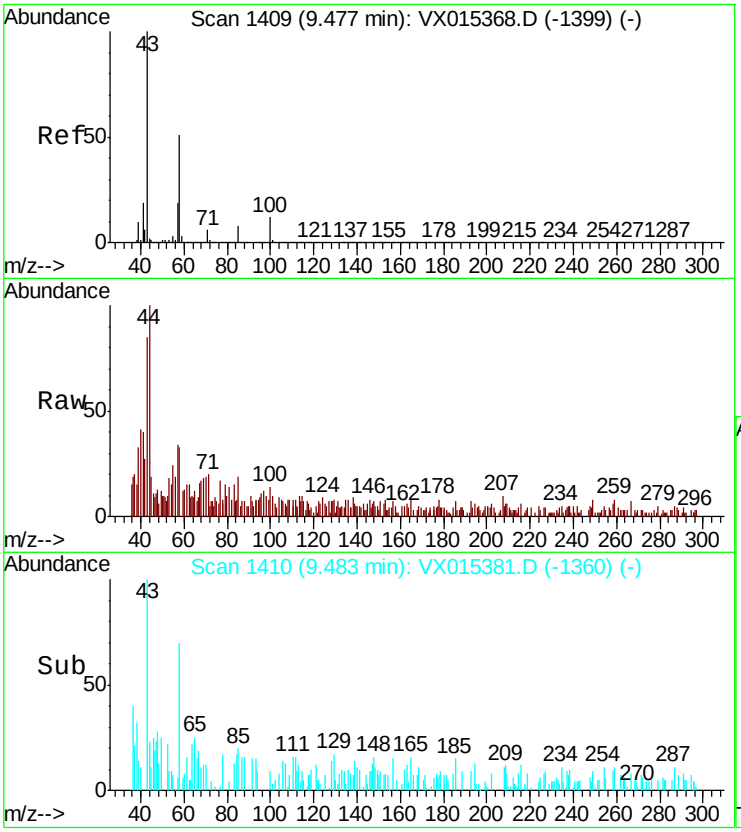




#51
4-Methyl-2-Pentanone
Concen: 1.375 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 43 Resp: 29876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.9 | 29.7 | 44.5 |



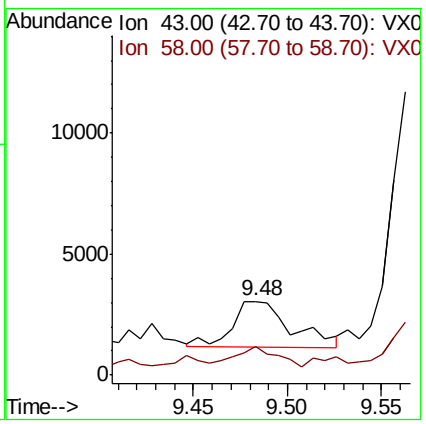


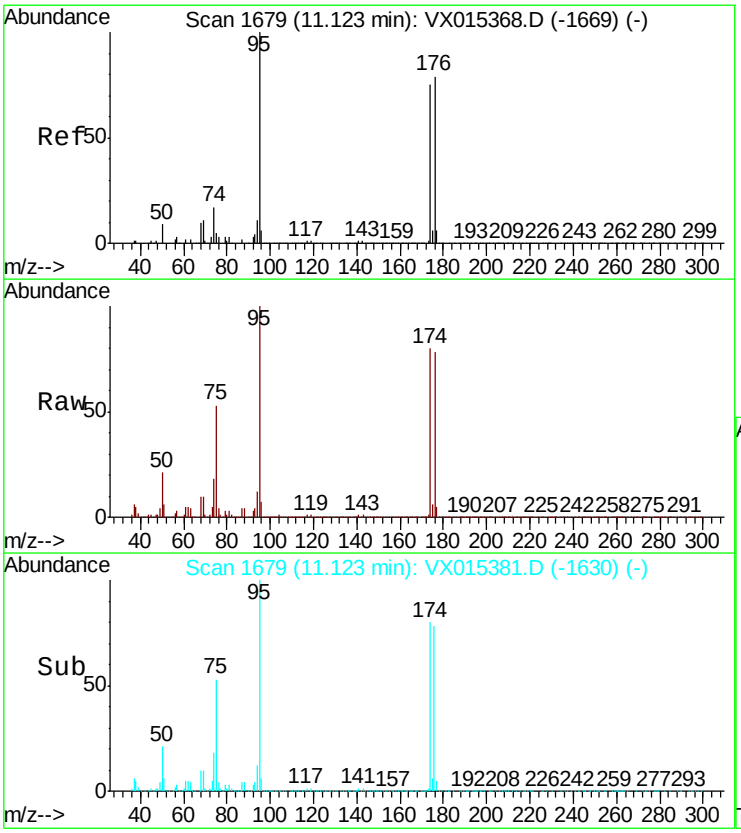

#59
2-Hexanone
Concen: 0.250 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 43 Resp: 4100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.2 | 25.6 | 76.6 |

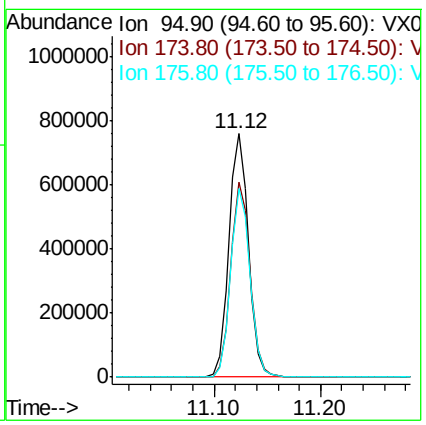


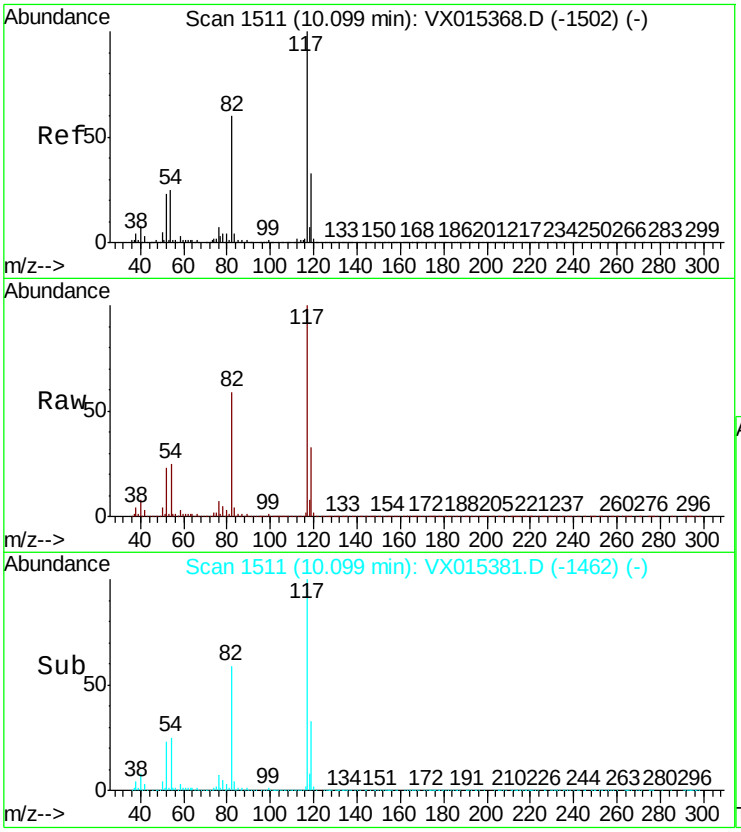




#62
4-Bromofluorobenzene
Concen: 54.046 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 95 Resp: 978919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.7 | 0.0 | 158.6 |
| 176 | 77.2 | 0.0 | 159.0 |



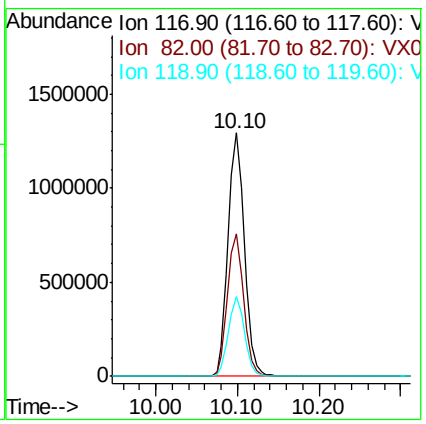


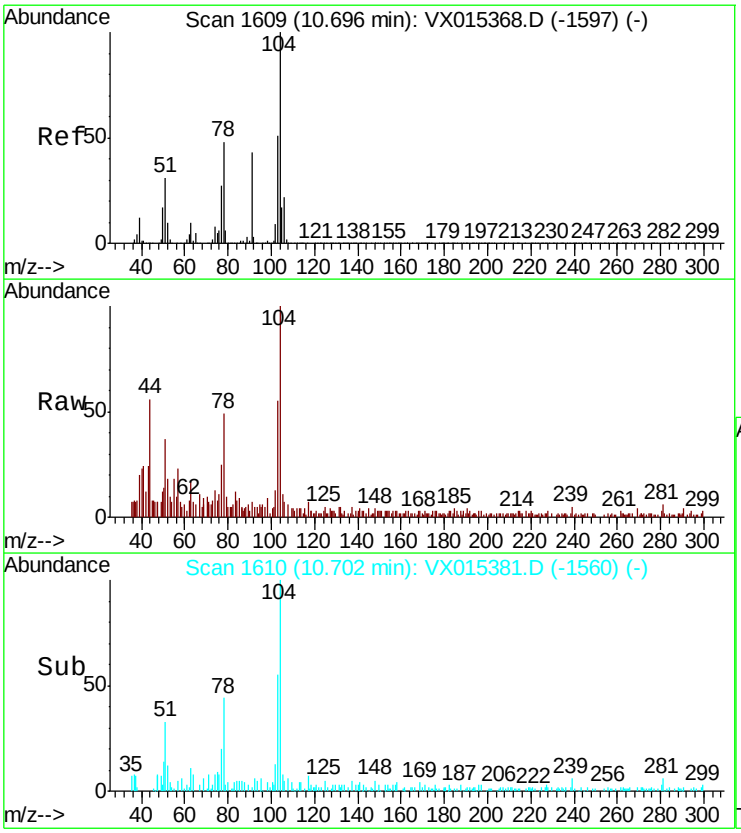

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :** MSVOA_X
**ClientSampleId :** 011-OUTFALL

Tgt Ion:117 Resp: 1781538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.5 | 47.8 | 71.8 |
| 119 | 32.8 | 26.8 | 40.2 |

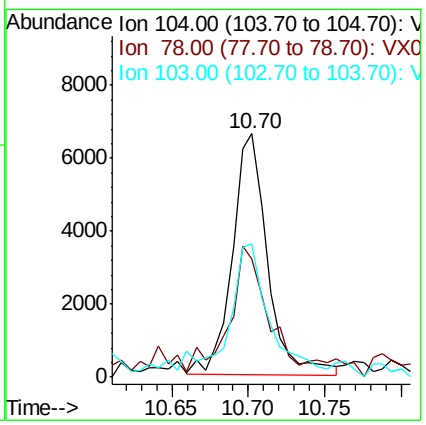


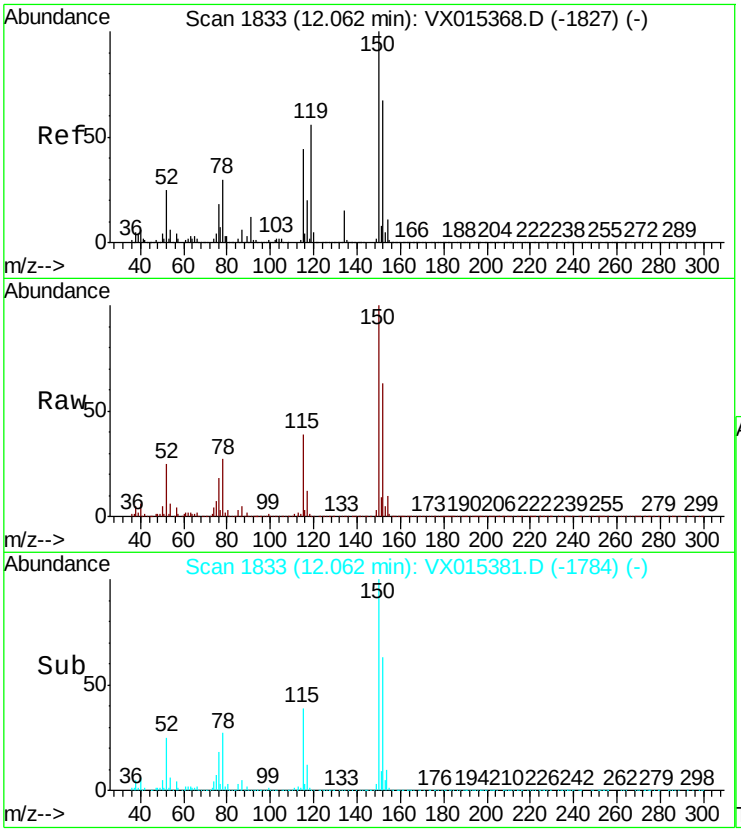




#70
Styrene
Concen: 0.258 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion:104 Resp: 10519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.0 | 63.0 |
| 103 | 59.9 | 43.4 | 65.0 |



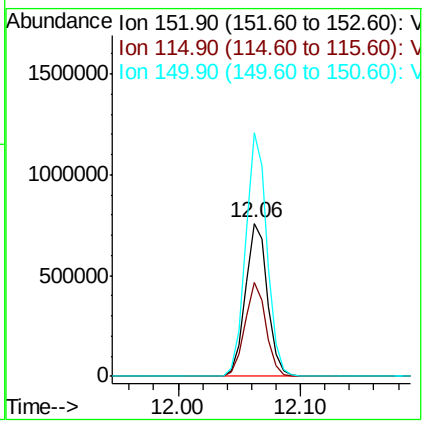


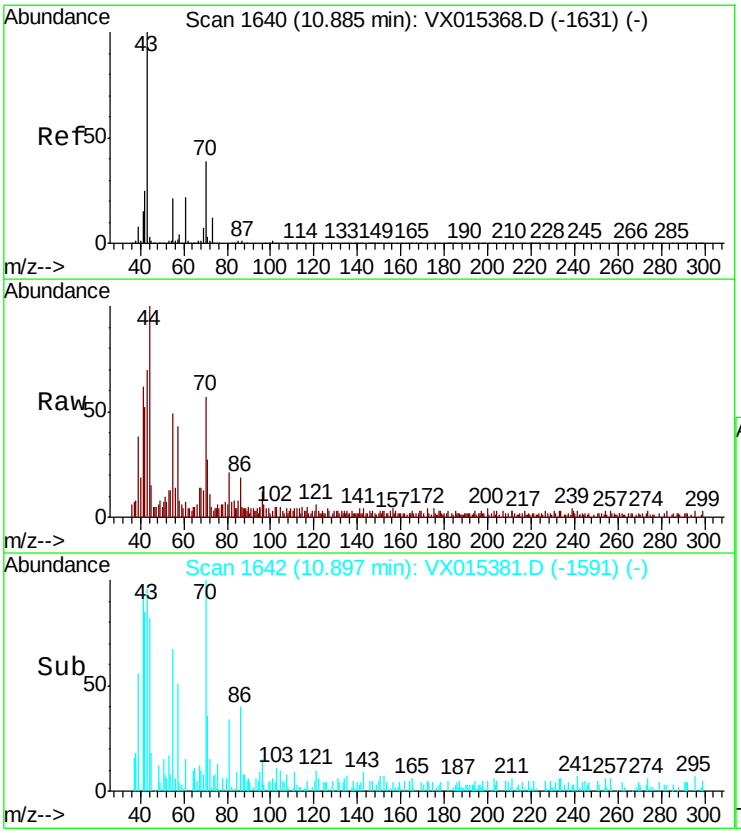

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :** MSVOA_X
**ClientSampleId :** 011-OUTFALL

Tgt Ion:152 Resp: 946963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.8 | 39.0 | 116.9 |
| 150 | 154.7 | 0.0 | 340.8 |

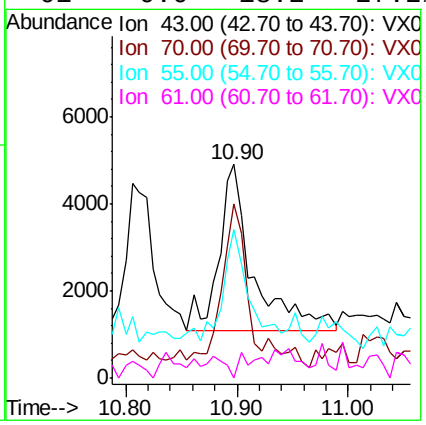


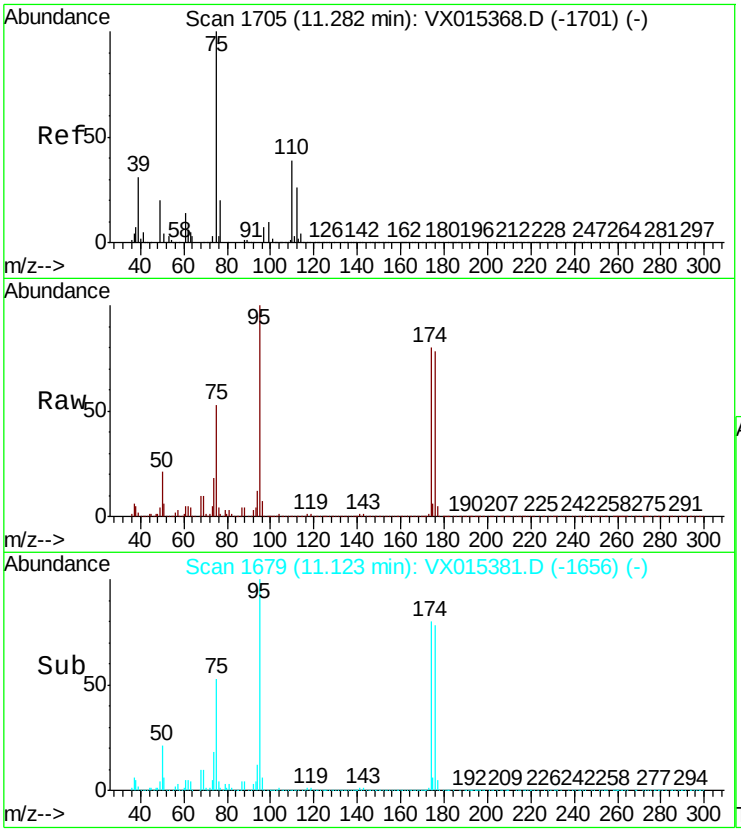




#74
N-amyl acetate
Concen: 0.234 ug/l
RT: 10.90 min Scan# 1642
Delta R.T. 0.01 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 43 Resp: 8072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 55.3 | 30.2 | 45.4# |
| 55 | 48.1 | 16.8 | 25.2# |
| 61 | 0.0 | 18.2 | 27.2# |



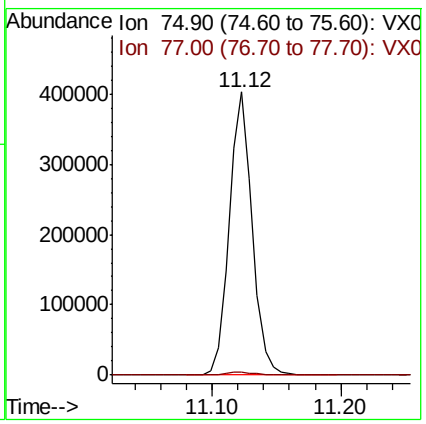


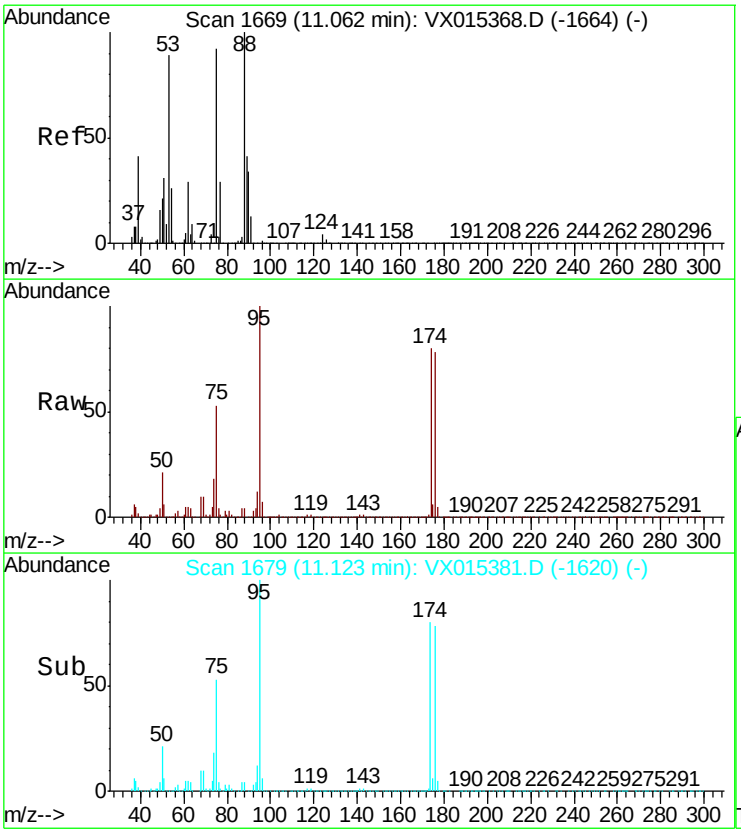

#76
1,2,3-Trichloropropane
Concen: 25.687 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion: 75 Resp: 500215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 21.2 | 63.6# |

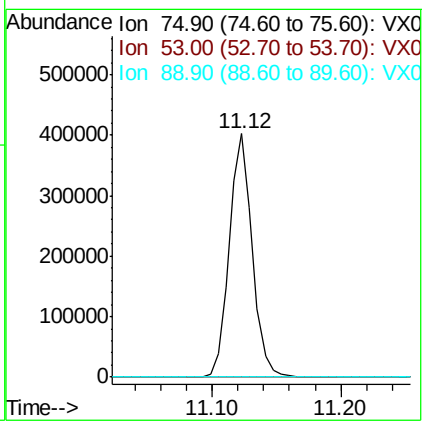


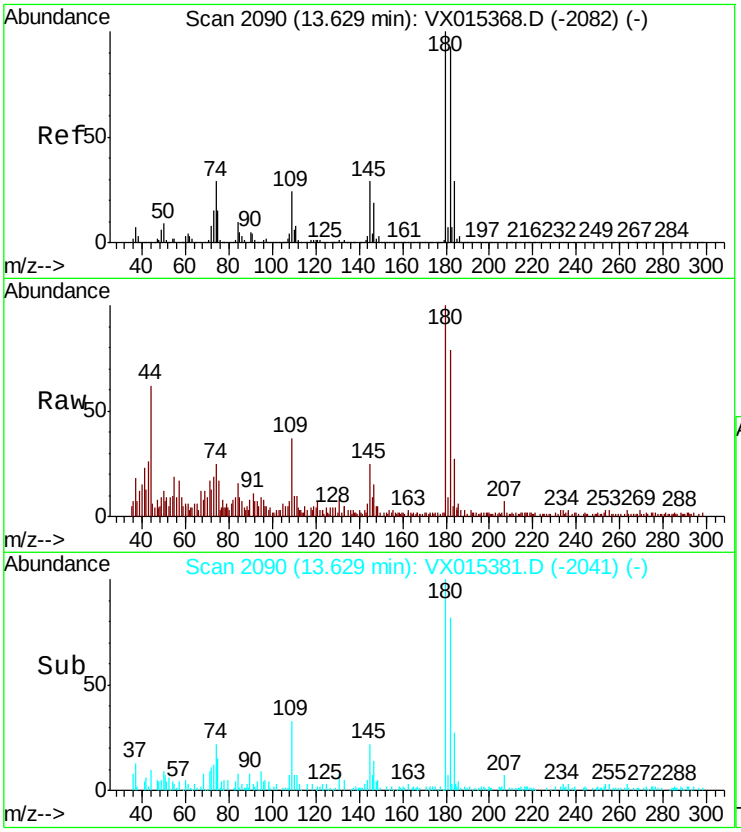




#81
trans-1,4-Dichloro-2-butene
Concen: 61.635 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion: 75 Resp: 500215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 80.1 | 120.1# |
| 89 | 0.0 | 36.1 | 54.1# |



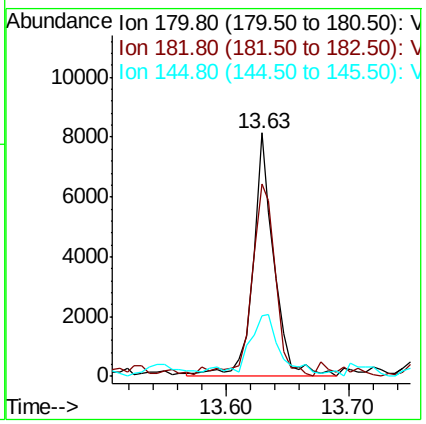


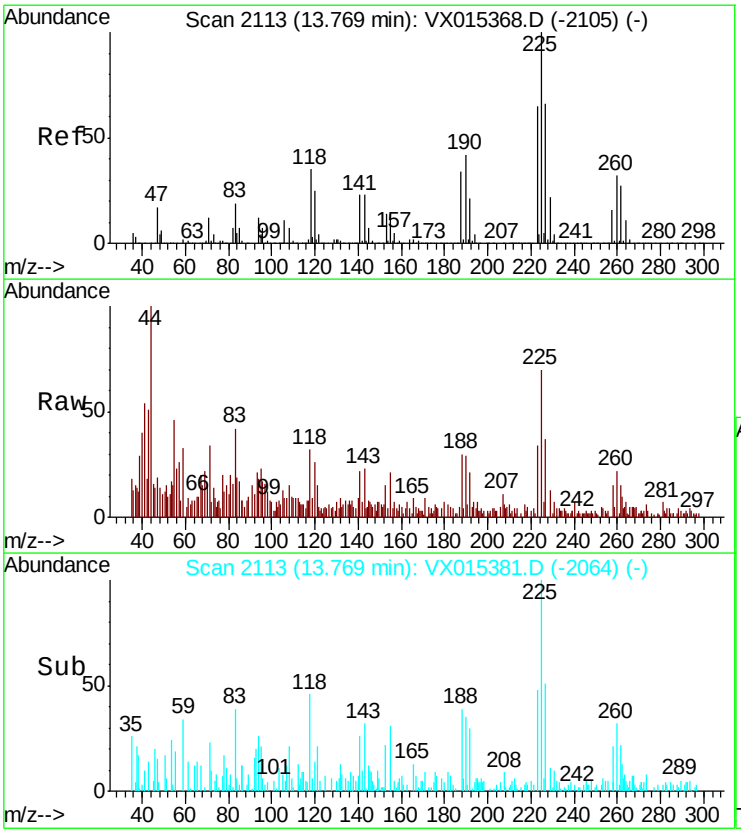

#93
1,2,4-Trichlorobenzene
Concen: 0.427 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
011-OUTFALL

Tgt Ion:180 Resp: 9782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.5 | 46.9 | 140.7 |
| 145 | 35.4 | 14.9 | 44.5 |




#94
Hexachlorobutadiene
Concen: 0.340 ug/l
RT: 13.77 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VX015381.D
Acq: 27 Mar 2020 15:05

Tgt Ion:225 Resp: 3710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 49.2 | 31.9 | 95.7 |
| 227 | 64.4 | 30.4 | 91.3 |