Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030620\
Data File : VX015119.D
Acq On : 06 Mar 2020 11:54
Operator : JC/SP
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 06 23:10:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.01 | 128 | 61008 | 30.00 | ug/l | | 0.00 |
| 28) 1,4-Difluorobenzene | 6.85 | 114 | 318778 | 30.00 | ug/l | | 0.00 |
| 57) Chlorobenzene-d5 | 10.10 | 117 | 278655 | 30.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.04 | 65 | 129617 | 30.55 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 101.83% | | | | |
| 60) 4-Bromofluorobenzene | 11.13 | 95 | 117639 | 27.11 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 90.37% | | | | |
| 63) Toluene-d8 | 8.71 | 98 | 370917 | 30.52 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 101.73% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.65 | 94 | 1482 | 0.558 | ug/l | | 93 |
| 13) Acrolein | 2.22 | 56 | 241 | 0.304 | ug/l | | 93 |
| 14) Acrylonitrile | 3.14 | 53 | 520 | 0.289 | ug/l | # | 13 |
| 15) Acetone | 2.43 | 58 | 177 | 0.274 | ug/l | # | 37 |
| 23) tert-Butyl Alcohol | 3.01 | 59 | 400 | 0.560 | ug/l | # | 1 |
| 45) 1,4-Dioxane | 7.72 | 88 | 185 | 2.529 | ug/l | # | 66 |

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

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**Instrument :**
MSVOA_X
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Quant Time: Mar 06 23:10:33 2020
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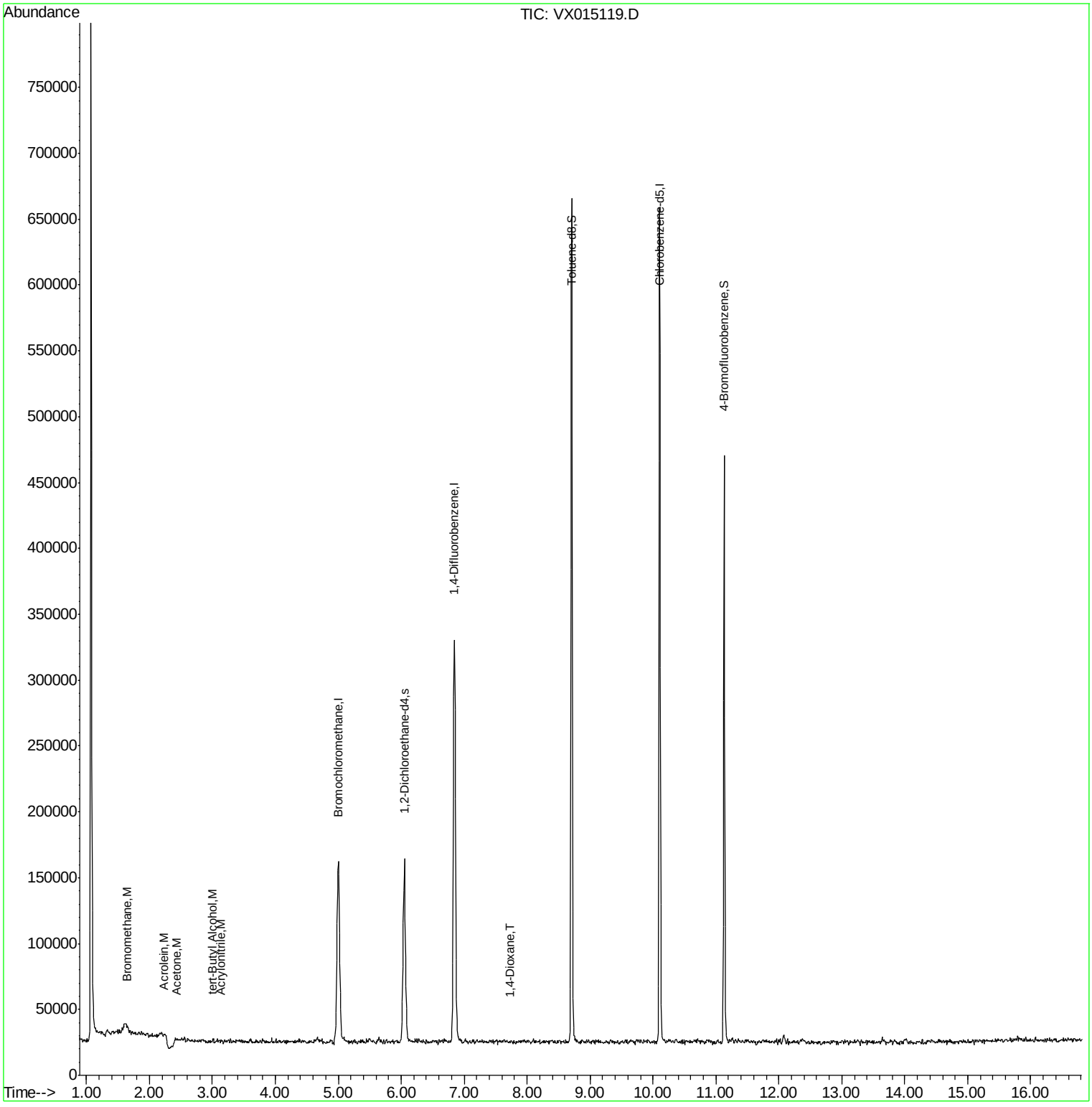
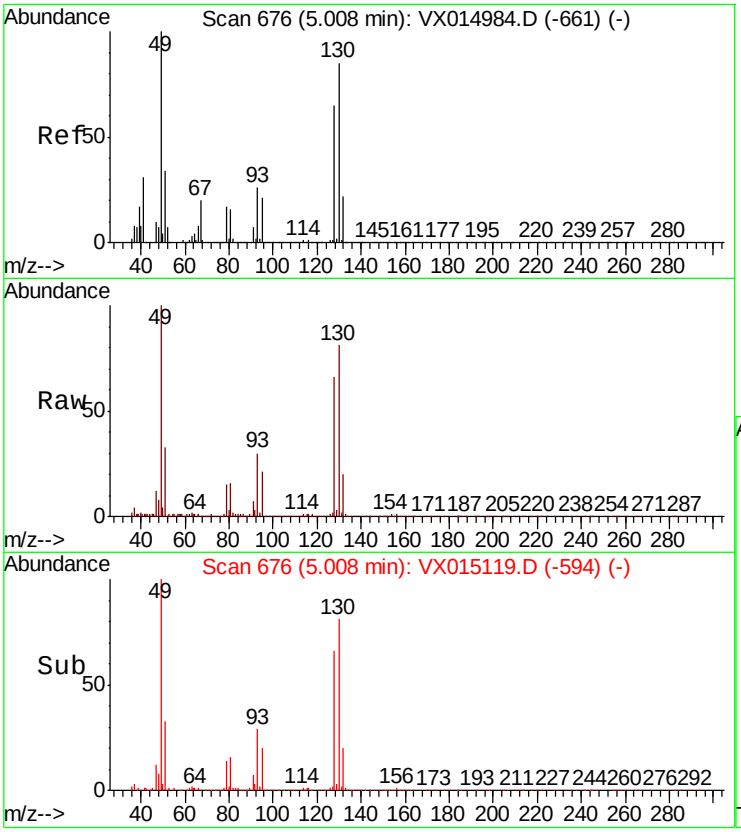
Response via : Initial Calibration



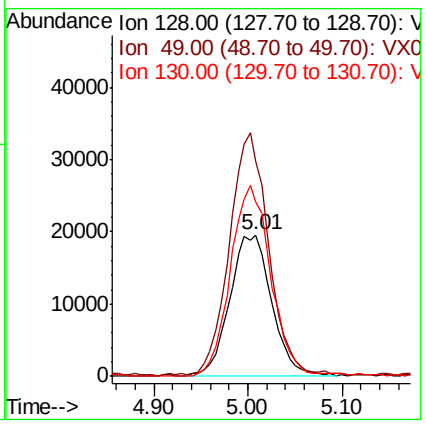


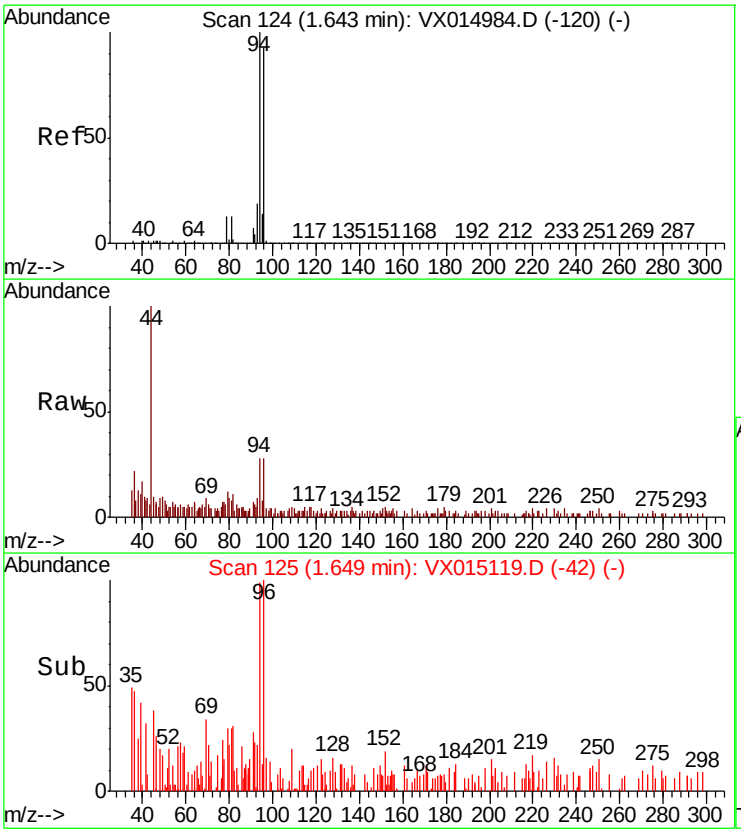

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion:128 Resp: 61008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 157.3 | 0.0 | 384.7 |
| 130 | 129.7 | 0.0 | 330.8 |

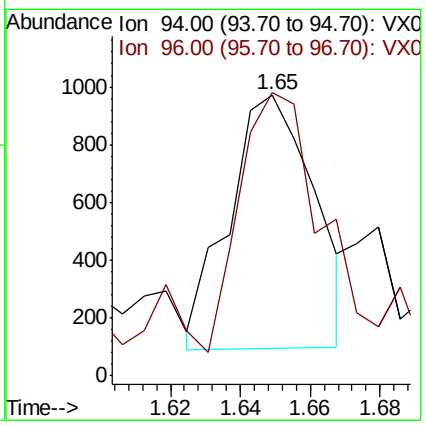


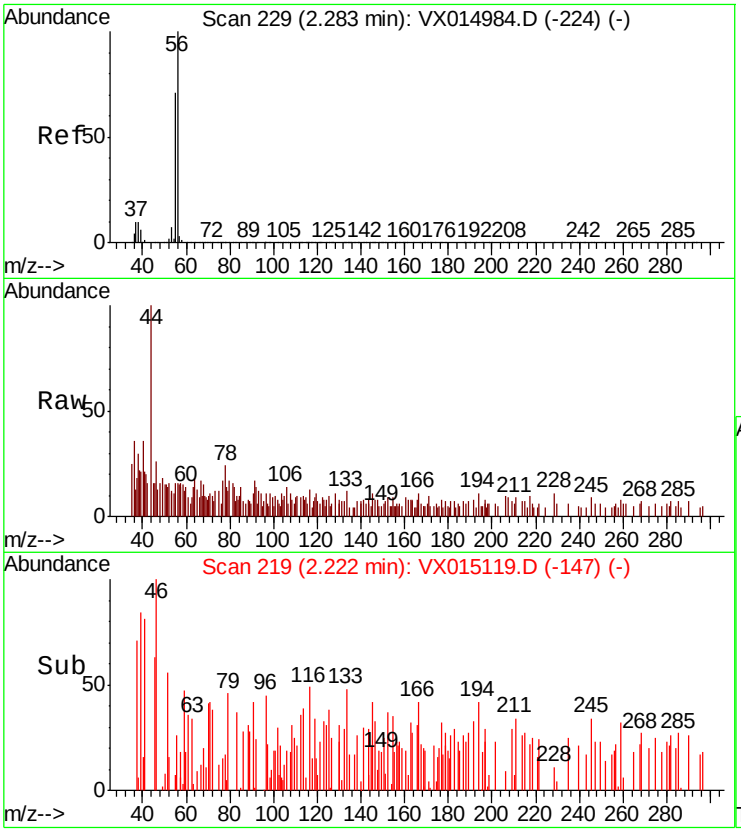




#5
Bromomethane
Concen: 0.558 ug/l
RT: 1.65 min Scan# 125
Delta R.T. 0.01 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion: 94 Resp: 1482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 100.2 | 74.6 | 112.0 |



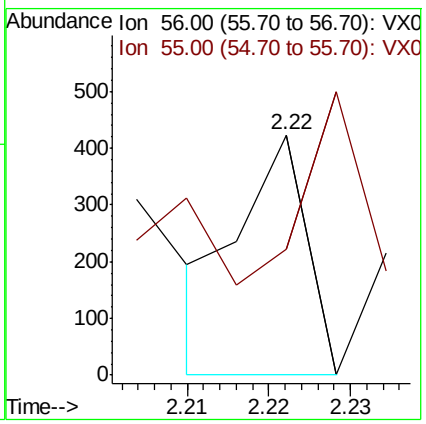


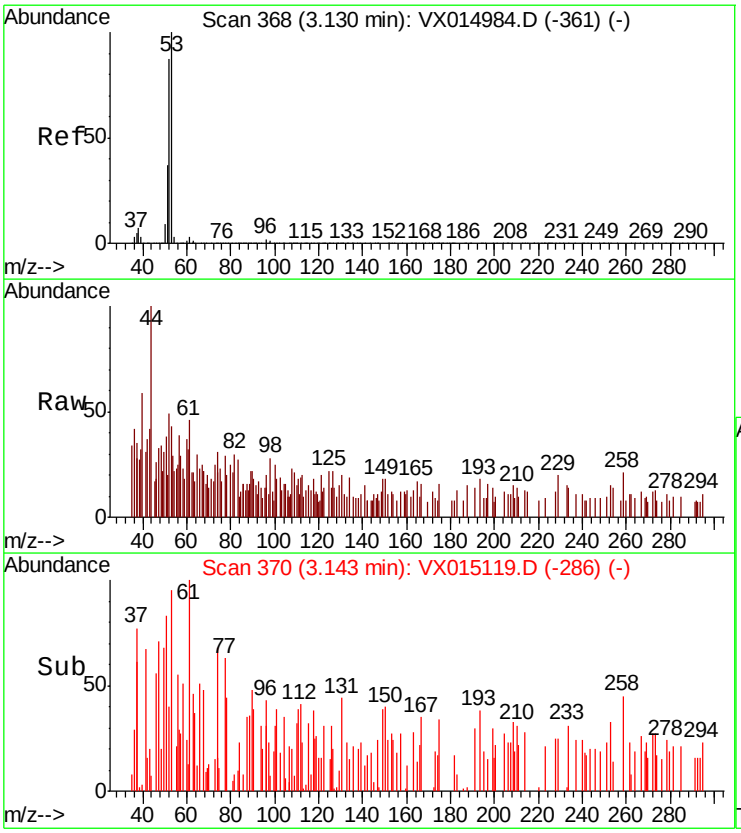

#13
Acrolein
Concen: 0.304 ug/l
RT: 2.22 min Scan# 219
Delta R.T. -0.06 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion: 56 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 64.7 | 56.2 | 84.2 |

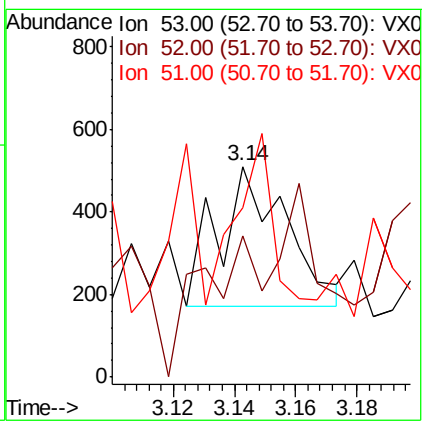


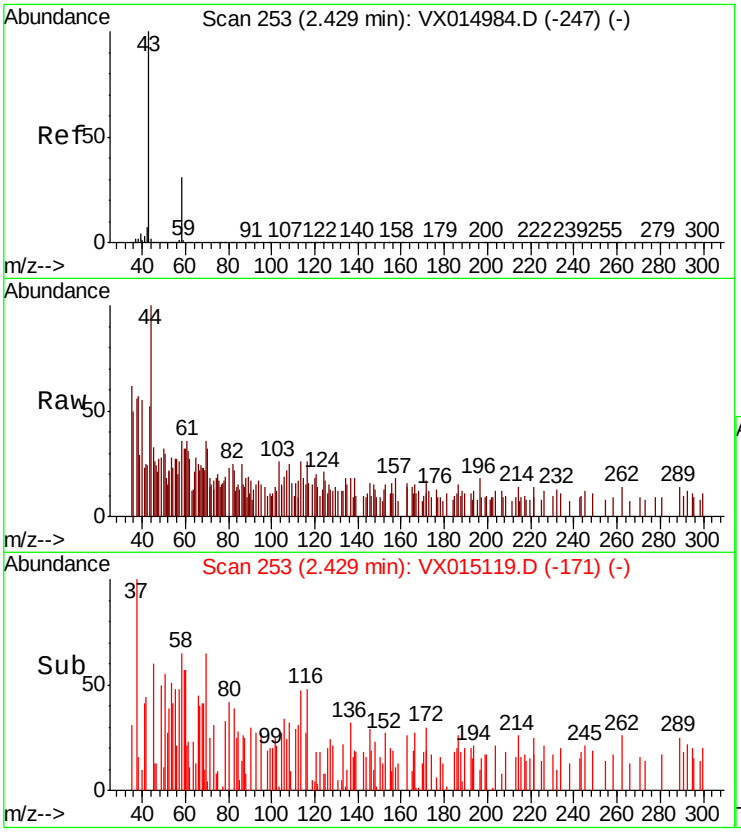




#14
Acrylonitrile
Concen: 0.289 ug/l
RT: 3.14 min Scan# 370
Delta R.T. 0.01 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion: 53 Resp: 520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 14.0 | 41.5 | 124.6# |
| 51 | 101.7 | 18.1 | 54.4# |



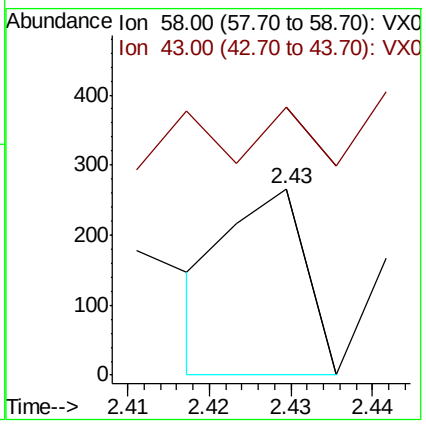


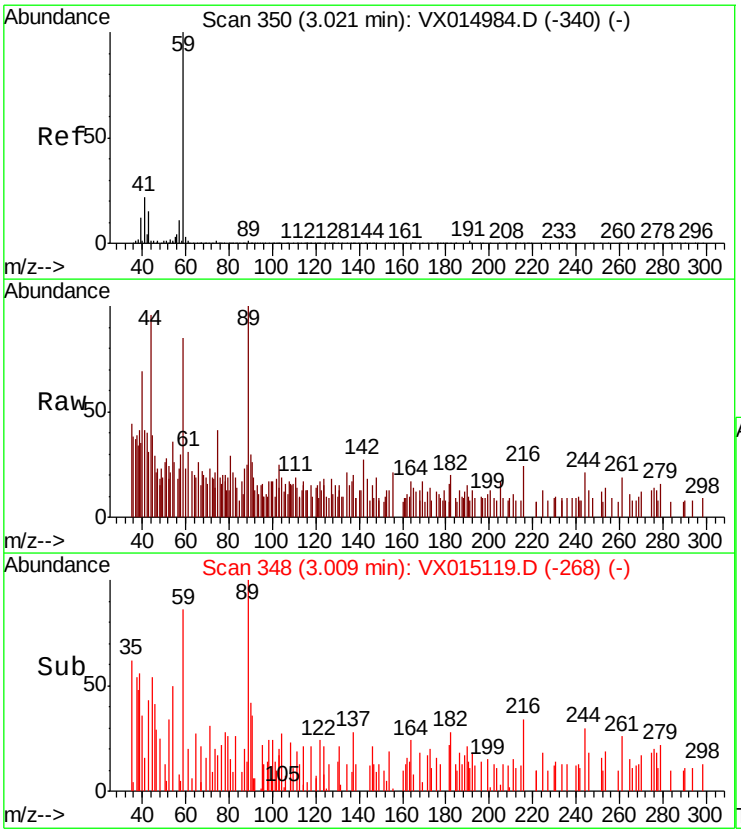

#15
Acetone
Concen: 0.274 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion: 58 Resp: 177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 193.2 | 257.7 | 386.5# |

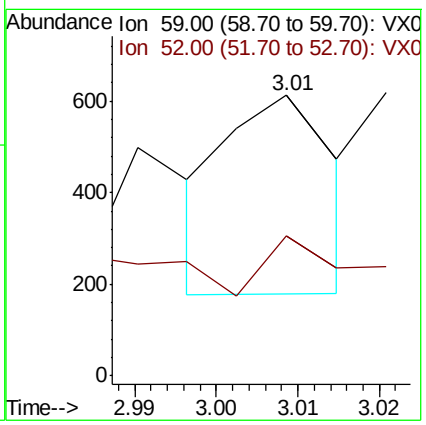


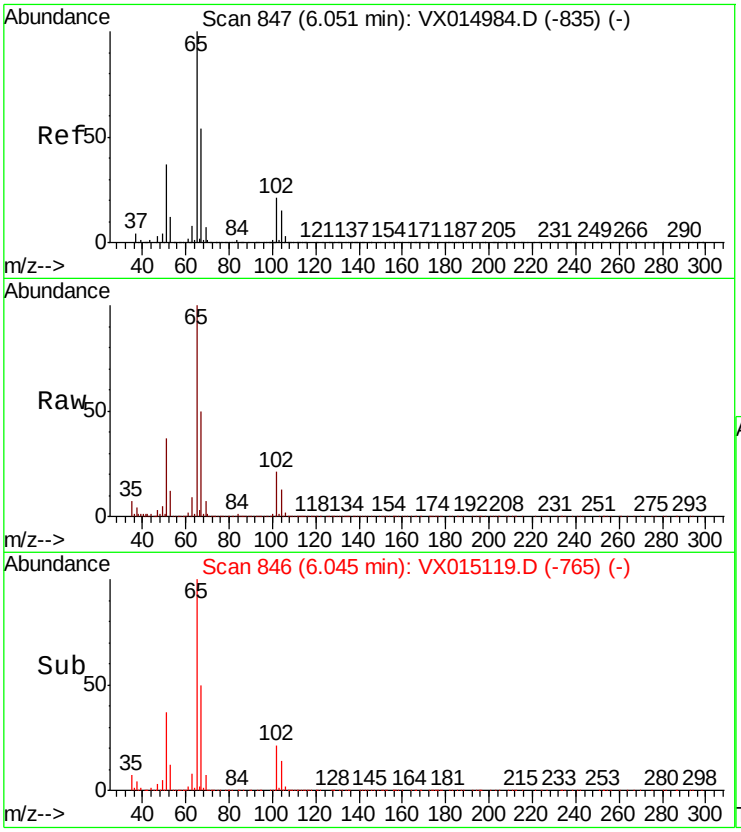




#23
tert-Butyl Alcohol
Concen: 0.560 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion: 59 Resp: 400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 71.5 | 0.4 | 0.6# |



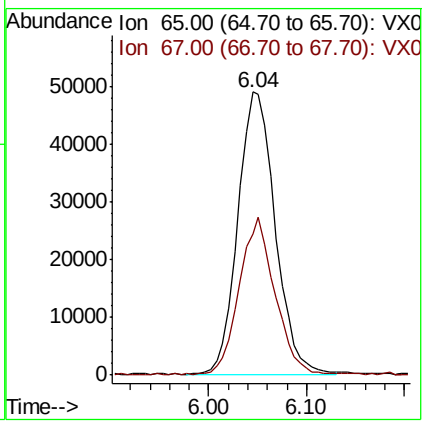


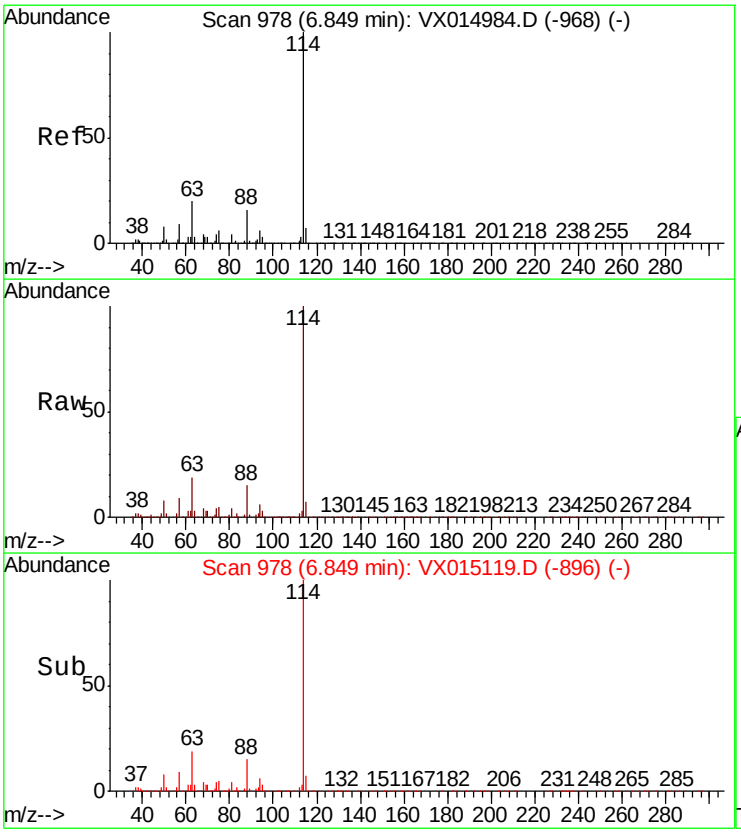

#27
1,2-Dichloroethane-d4
Concen: 30.554 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion: 65 Resp: 129617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 41.9 | 62.9 |

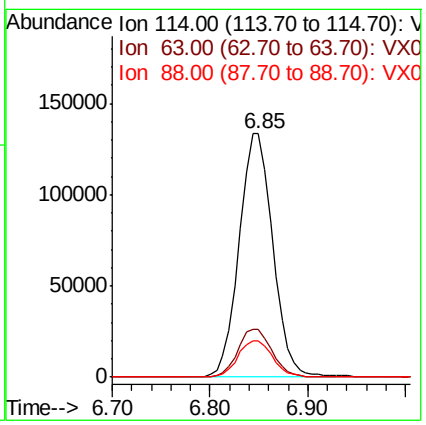


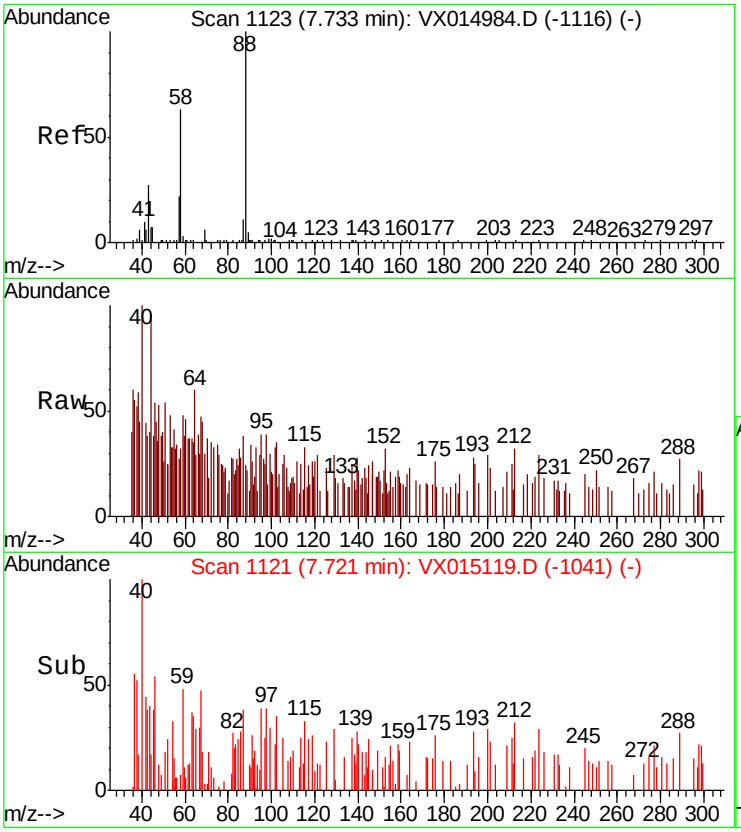




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion:114 Resp: 318778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.6 | 15.6 | 23.4 |
| 88 | 15.6 | 12.2 | 18.2 |



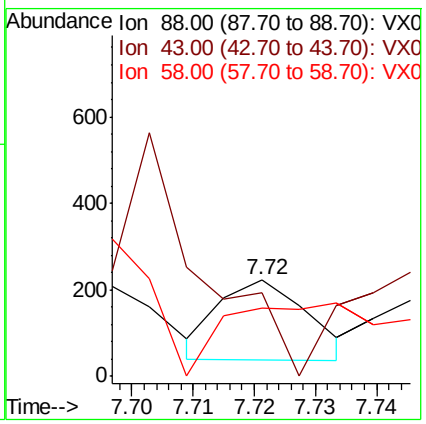


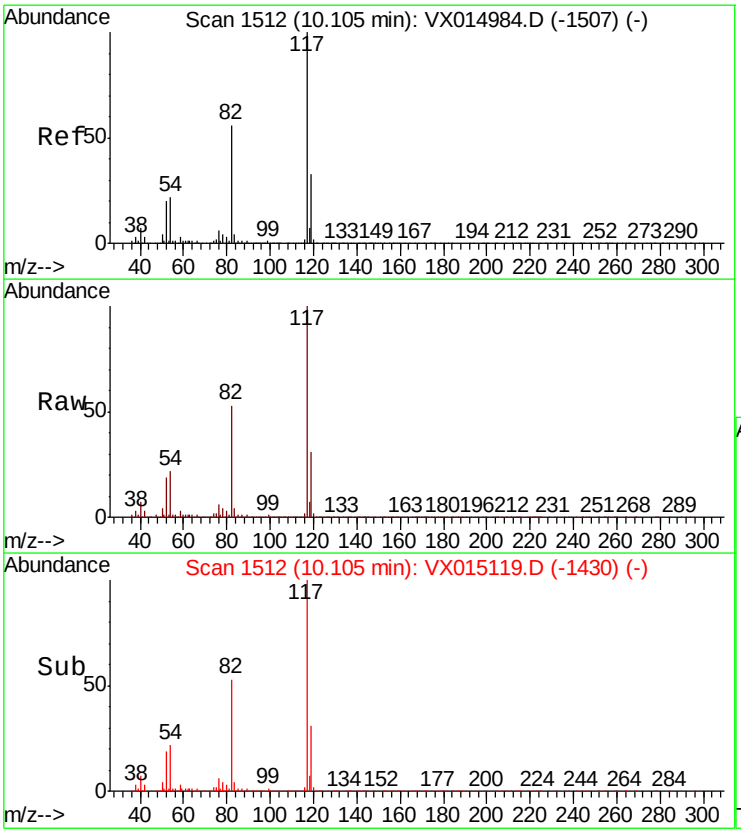

#45
1,4-Dioxane
Concen: 2.529 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion: 88 Resp: 185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 25.4 | 38.2# |
| 58 | 89.2 | 55.8 | 83.8# |

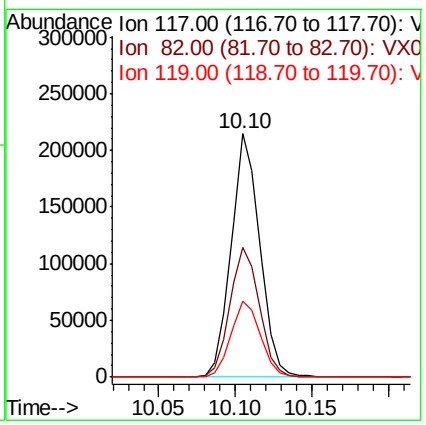


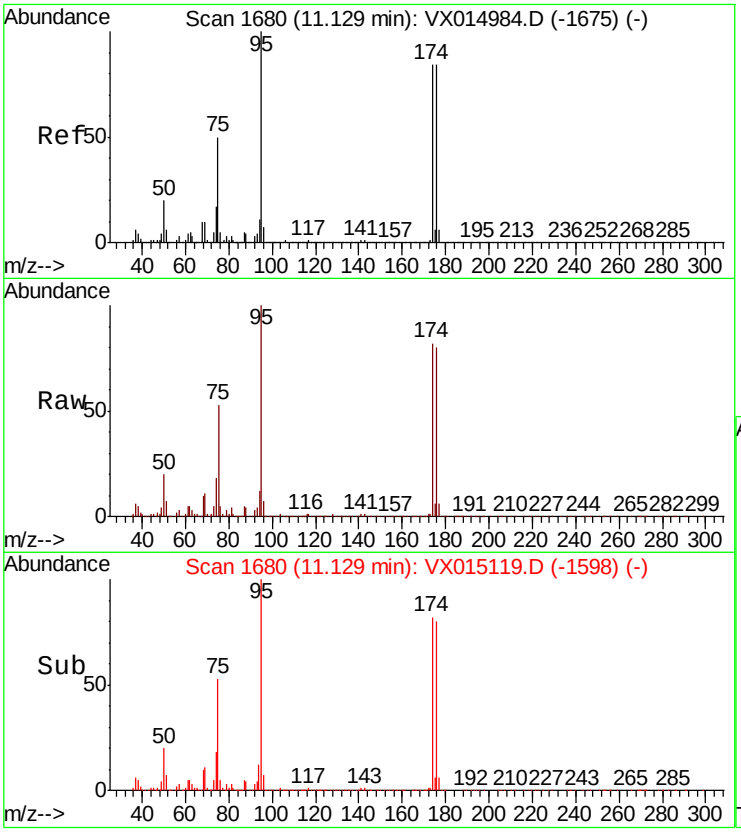




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion:117 Resp: 278655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 43.4 | 65.2 |
| 119 | 32.0 | 26.0 | 39.0 |



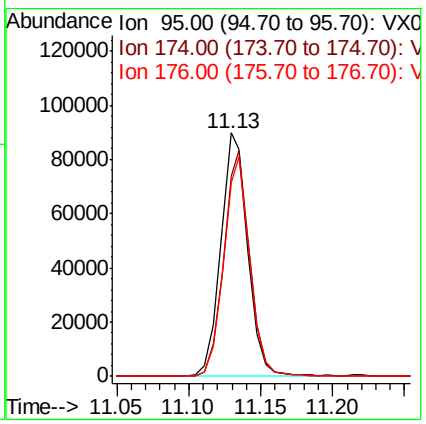


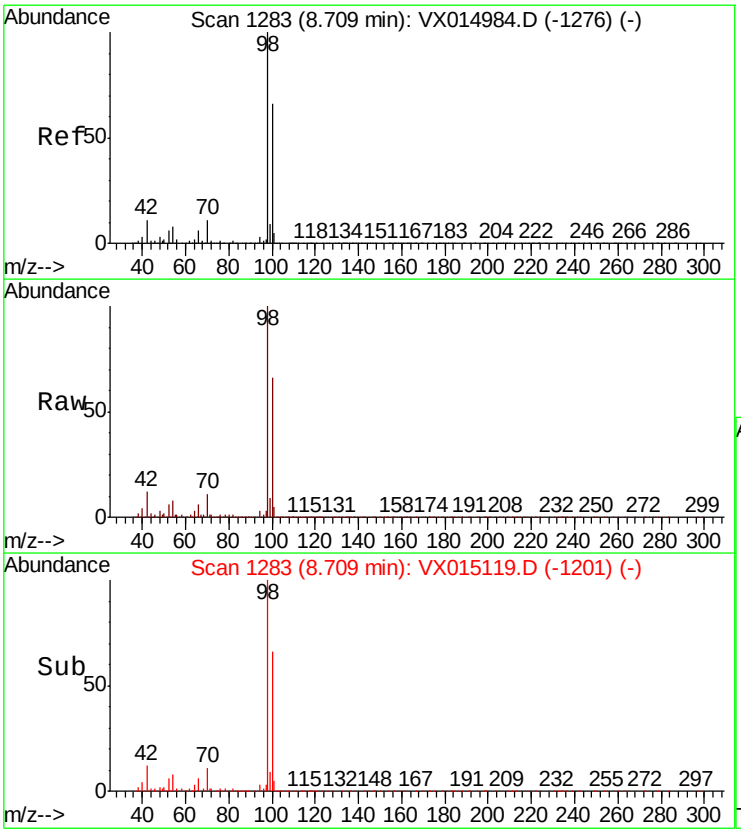

#60
4-Bromofluorobenzene
Concen: 27.105 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

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

Tgt Ion: 95 Resp: 117639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.3 | 72.3 | 108.5 |
| 176 | 87.1 | 72.0 | 108.0 |




#63
Toluene-d8
Concen: 30.524 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015119.D
Acq: 06 Mar 2020 11:54

Tgt Ion: 98 Resp: 370917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 52.8 | 79.2 |