Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101520\
Data File : VX018939.D
Acq On : 15 Oct 2020 17:35
Operator : JC/SP
Sample : VX1015WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX1015WBL01

Quant Time: Oct 16 01:41:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 15:32:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 4.98 | 128 | 49121 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 6.82 | 114 | 270182 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 10.10 | 117 | 237765 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.03 | 65 | 94750 | 30.24 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 100.80% | | | |
| 60) 4-Bromofluorobenzene | 11.12 | 95 | 104687 | 28.28 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 94.27% | | | |
| 63) Toluene-d8 | 8.70 | 98 | 314397 | 30.27 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 100.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 830 | 0.434 | ug/l | 98 |
| 11) Methyl Iodide | 2.50 | 142 | 1579 | 0.452 | ug/l | 94 |
| 13) Acrolein | 2.17 | 56 | 270 | 0.490 | ug/l | 93 |
| 14) Acrylonitrile | 3.12 | 53 | 346 | 0.258 | ug/l # | 43 |
| 15) Acetone | 2.42 | 58 | 504 | 1.116 | ug/l | 92 |
| 18) Methylene Chloride | 2.83 | 84 | 1731 | 0.584 | ug/l # | 91 |
| 23) tert-Butyl Alcohol | 3.01 | 59 | 242 | 0.324 | ug/l # | 83 |
| 56) Bromoform | 11.12 | 173 | 772 | 0.281 | ug/l # | 1 |

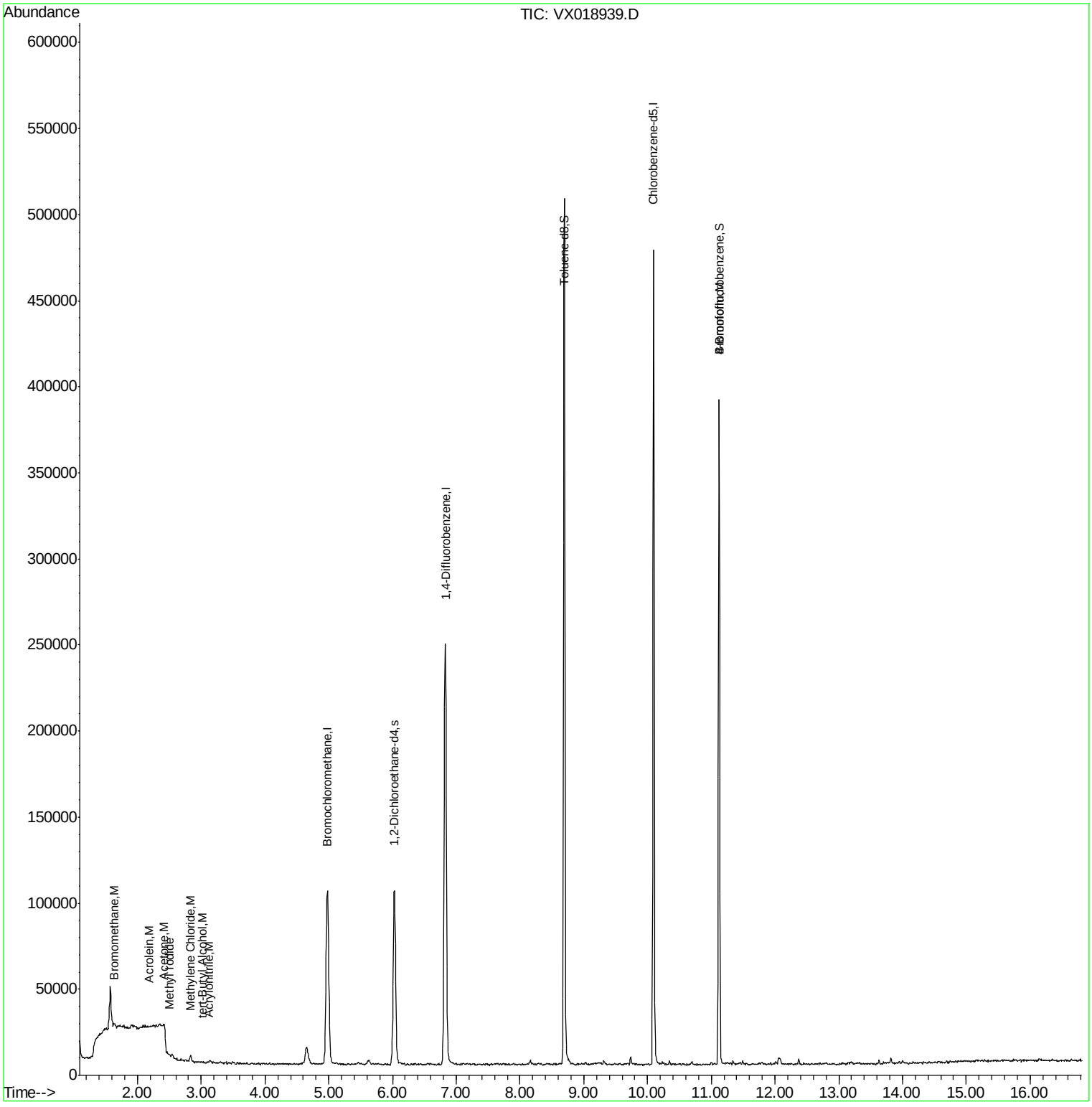
(#) = qualifier out of range (m) = manual integration (+) = signals summed

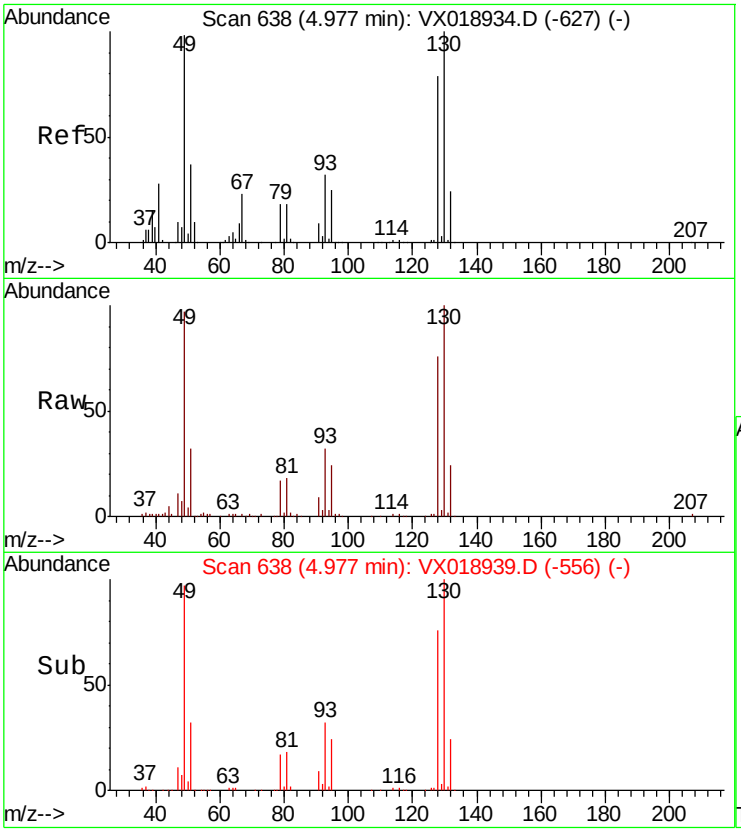
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101520\
Data File : VX018939.D
Acq On : 15 Oct 2020 17:35
Operator : JC/SP
Sample : VX1015WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1015WBL01

Quant Time: Oct 16 01:41:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 15:32:58 2020
Response via : Initial Calibration



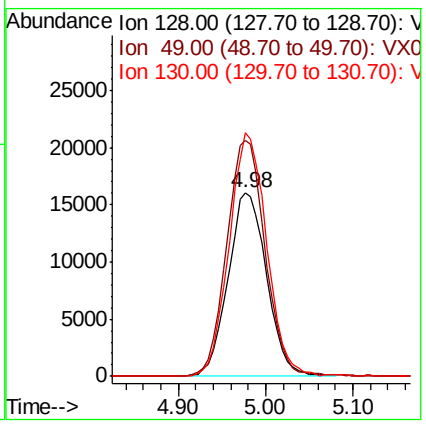


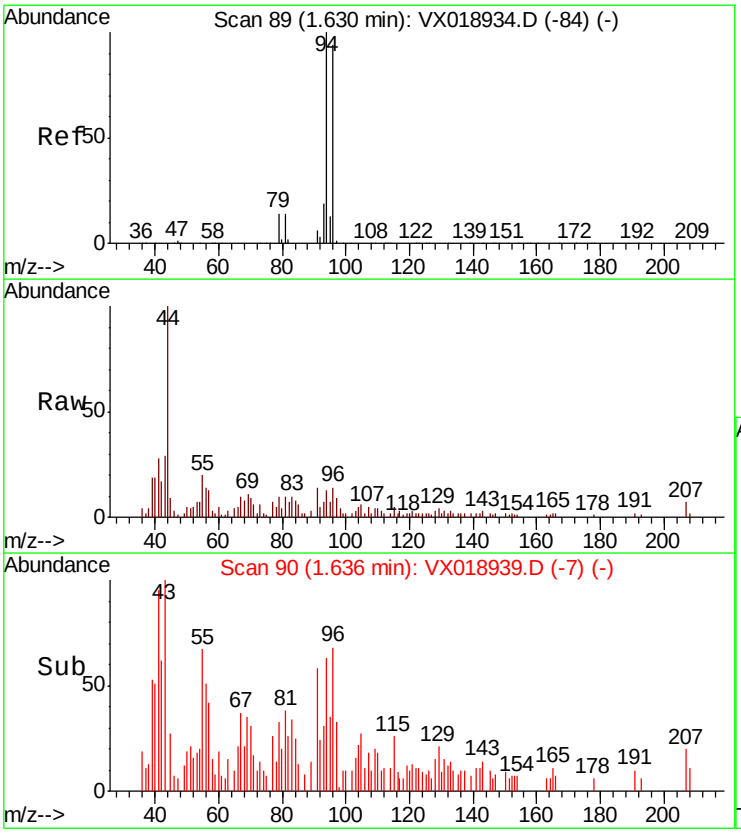

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1015WBL01

Tgt Ion:128 Resp: 49121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 127.9 | 0.0 | 330.5 |
| 130 | 128.4 | 0.0 | 323.8 |

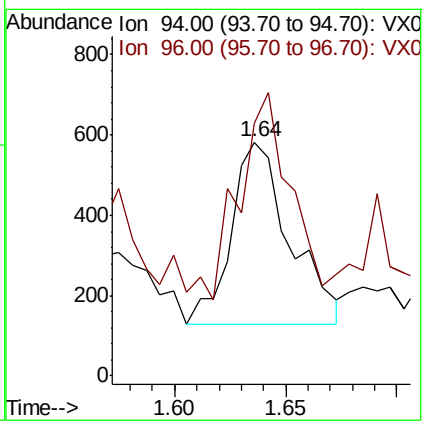


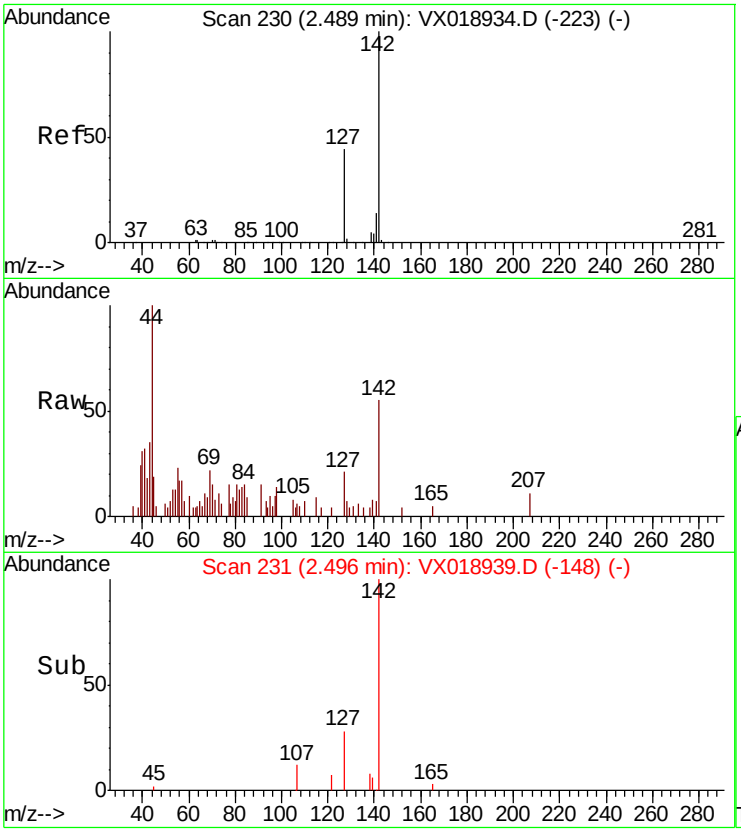




#5
Bromomethane
Concen: 0.434 ug/l
RT: 1.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion: 94 Resp: 830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.5 | 75.9 | 113.9 |



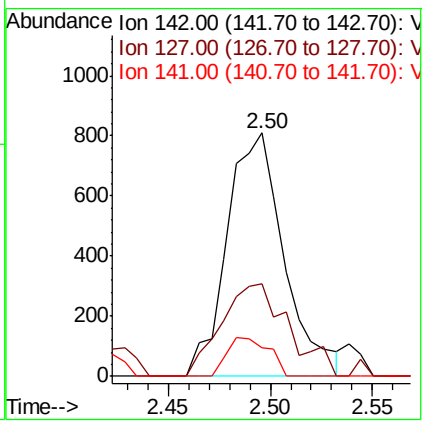


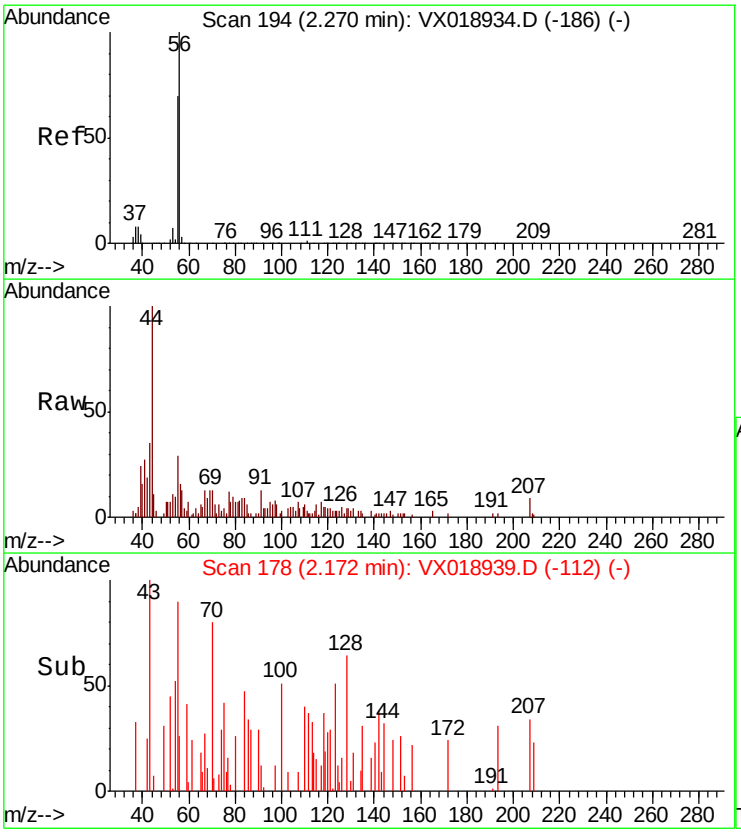

#11
Methyl Iodide
Concen: 0.452 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :** MSVOA_X
**ClientSampleId :** VX1015WBL01

Tgt Ion:142 Resp: 1579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 39.9 | 22.1 | 66.1 |
| 141 | 12.5 | 7.0 | 21.1 |

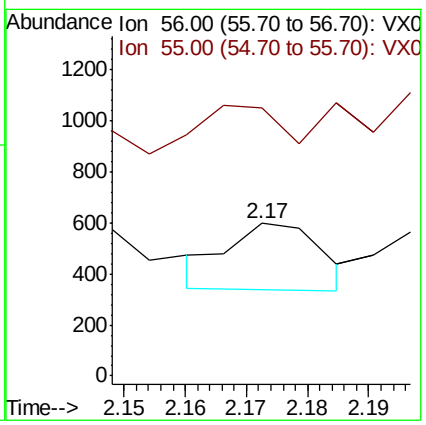


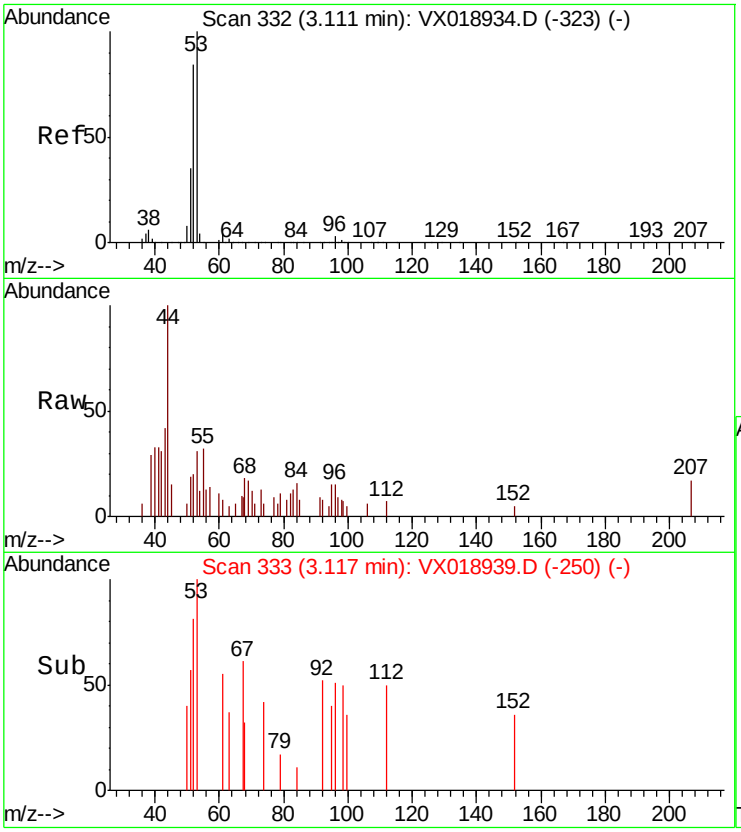




#13
Acrolein
Concen: 0.490 ug/l
RT: 2.17 min Scan# 178
Delta R.T. -0.10 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion: 56 Resp: 270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 65.9 | 57.1 | 85.7 |



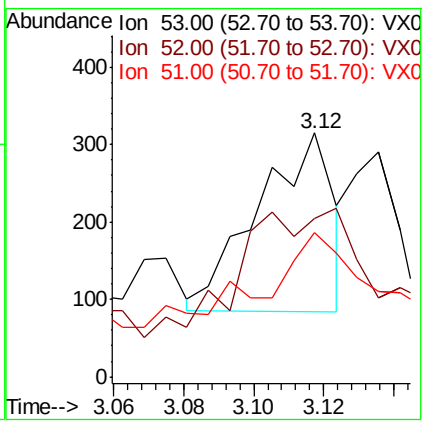


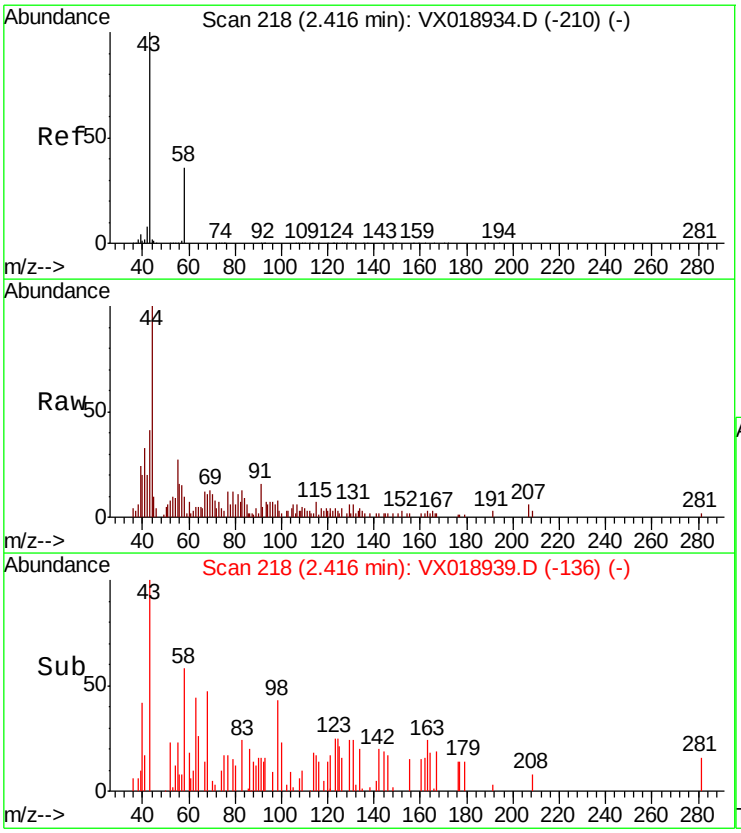

#14
Acrylonitrile
Concen: 0.258 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :** MSVOA_X
**ClientSampleId :** VX1015WBL01

Tgt Ion: 53 Resp: 346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 29.5 | 40.3 | 120.8# |
| 51 | 67.1 | 17.6 | 52.8# |

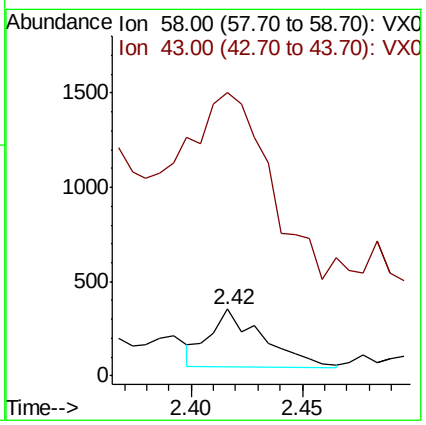


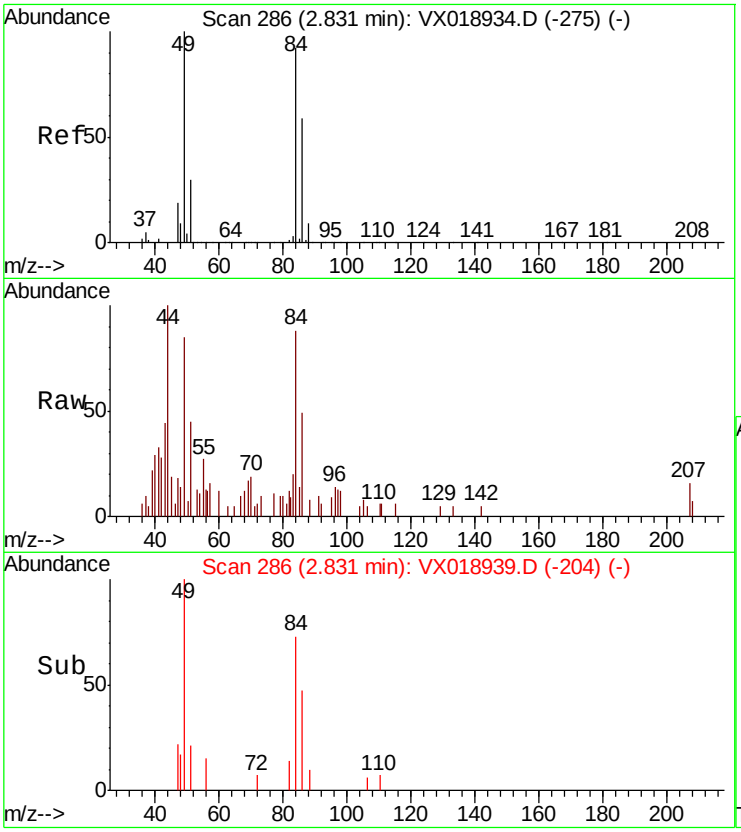




#15
Acetone
Concen: 1.116 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion: 58 Resp: 504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 295.3 | 223.8 | 335.8 |



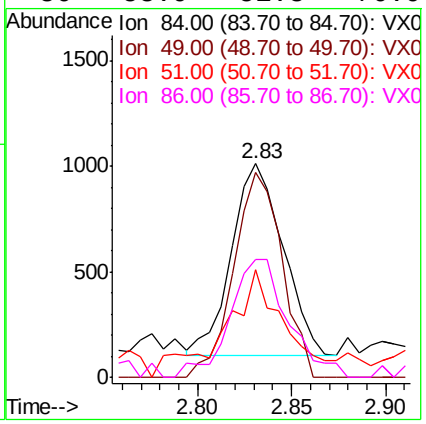


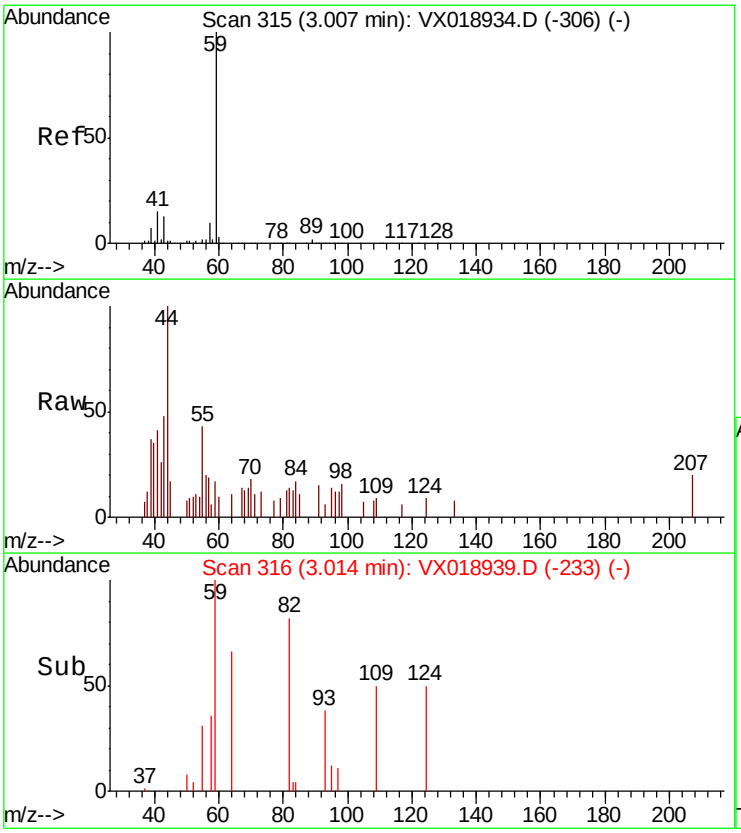

#18
Methylene Chloride
Concen: 0.584 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :** MSVOA_X
**ClientSampleId :** VX1015WBL01

Tgt Ion: 84 Resp: 1731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 106.6 | 87.2 | 130.8 |
| 51 | 47.3 | 25.9 | 38.9# |
| 86 | 53.9 | 51.3 | 76.9 |

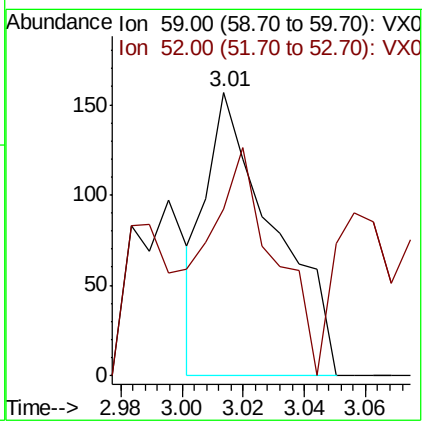


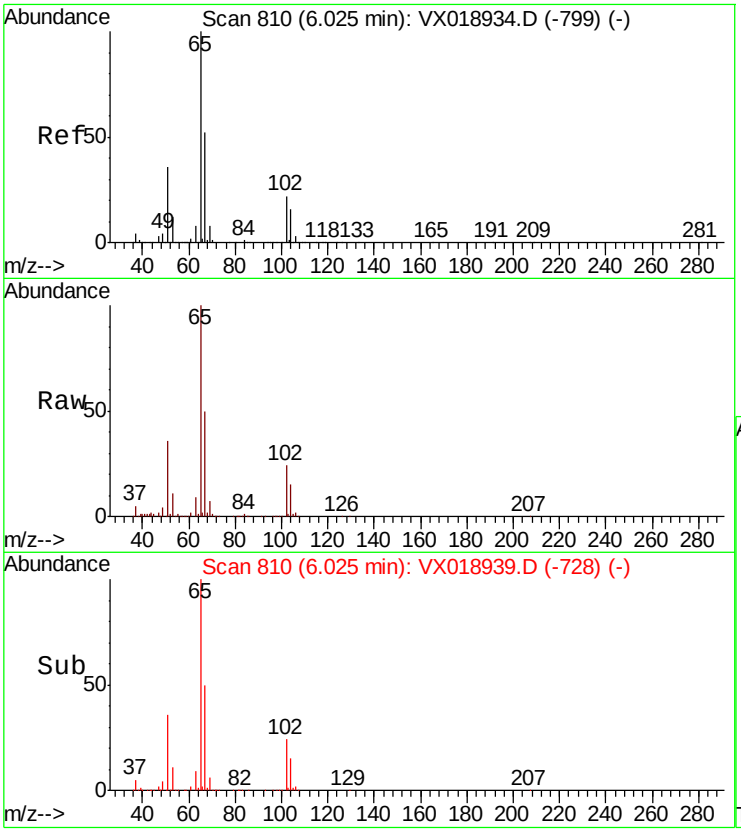




#23
tert-Butyl Alcohol
Concen: 0.324 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion: 59 Resp: 242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 21.5 | 0.2 | 0.2# |



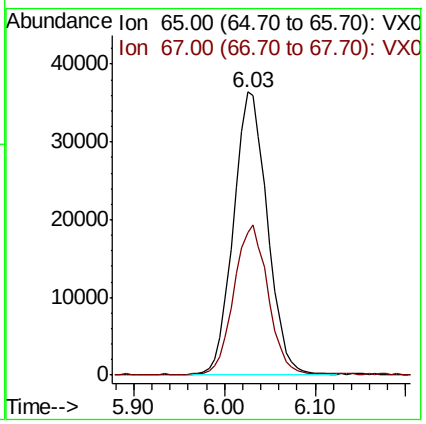


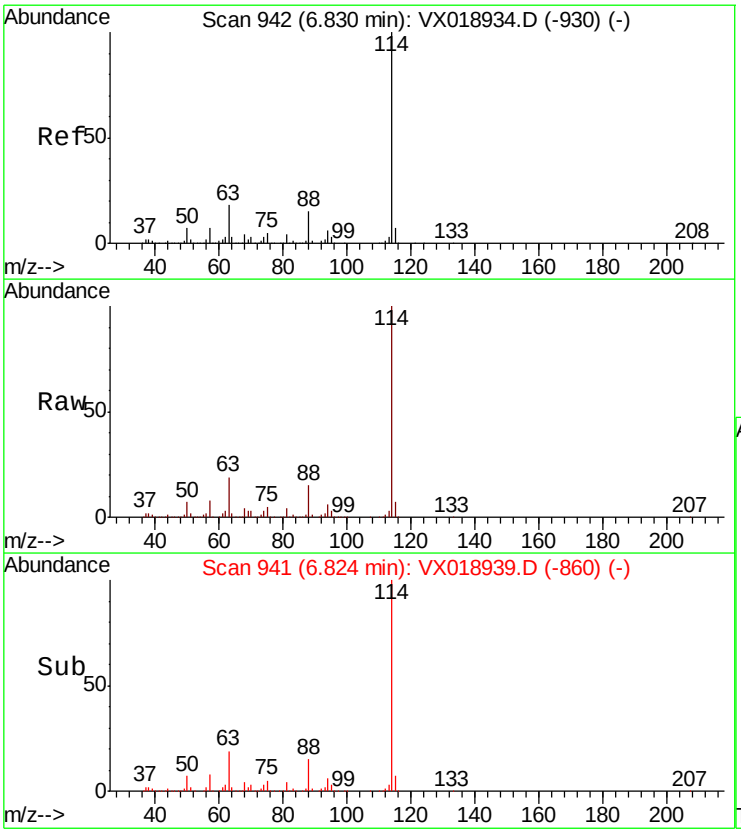

#27
1,2-Dichloroethane-d4
Concen: 30.238 ug/l
RT: 6.03 min Scan# 810
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :** MSVOA_X
**ClientSampleId :** VX1015WBL01

Tgt Ion: 65 Resp: 94750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 42.1 | 63.1 |

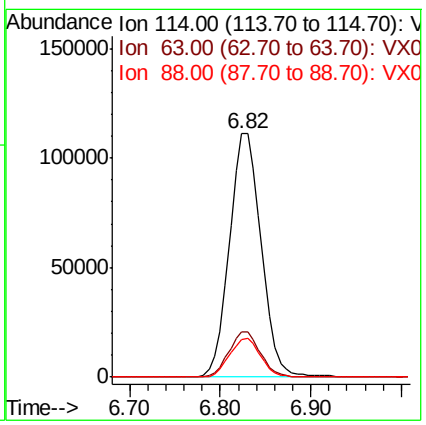


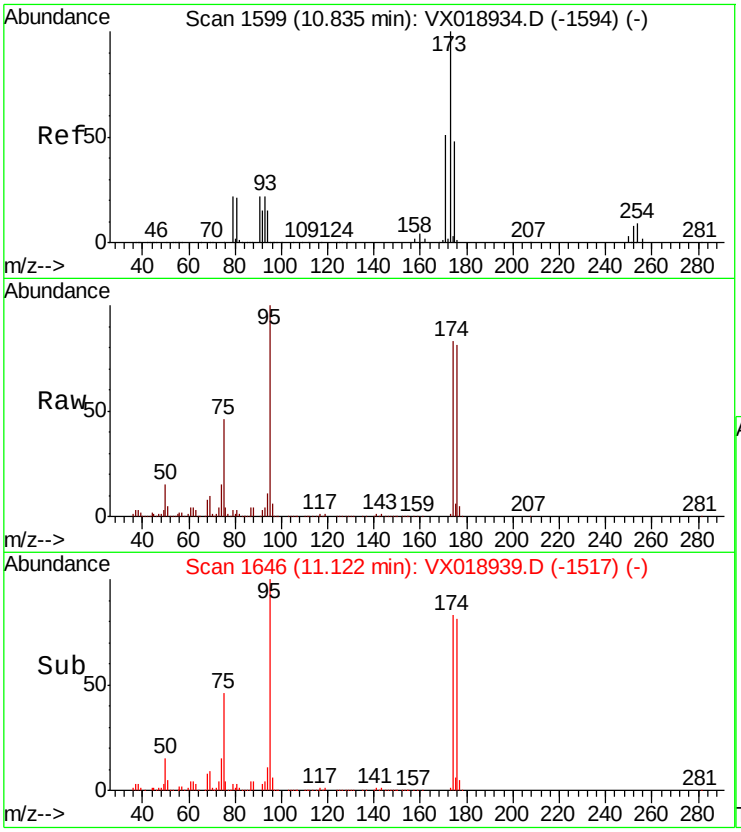




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.82 min Scan# 941
Delta R.T. -0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion:114 Resp: 270182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.3 | 14.6 | 21.8 |
| 88 | 15.6 | 12.3 | 18.5 |



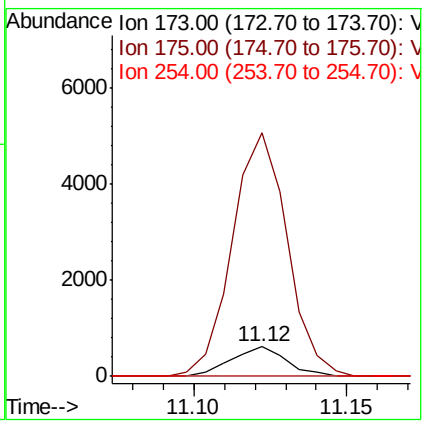


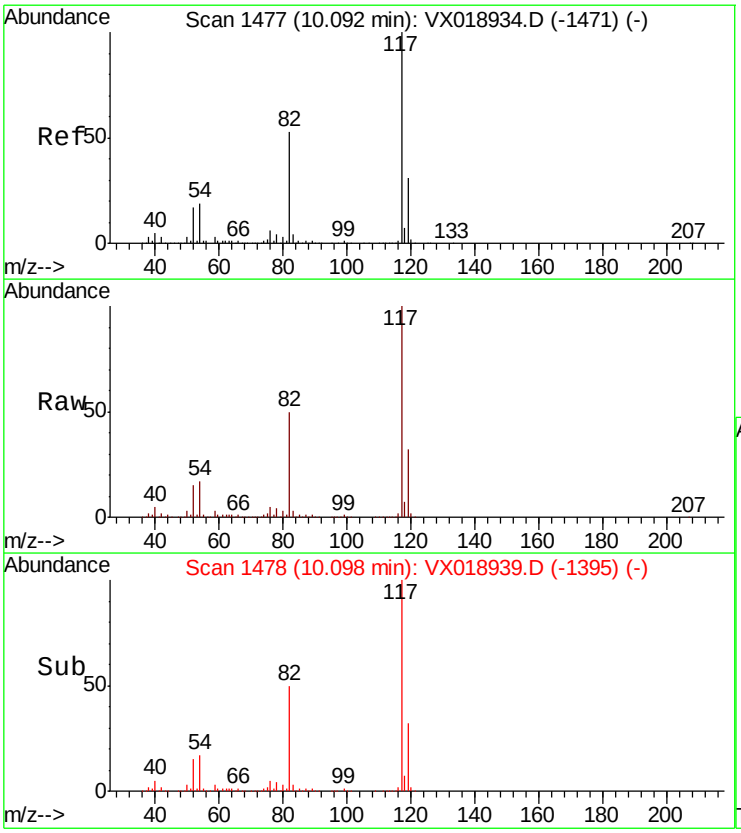

#56
Bromoform
Concen: 0.281 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.29 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1015WBL01

Tgt Ion:173 Resp: 772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 816.8 | 39.2 | 58.8# |
| 254 | 0.0 | 7.5 | 11.3# |

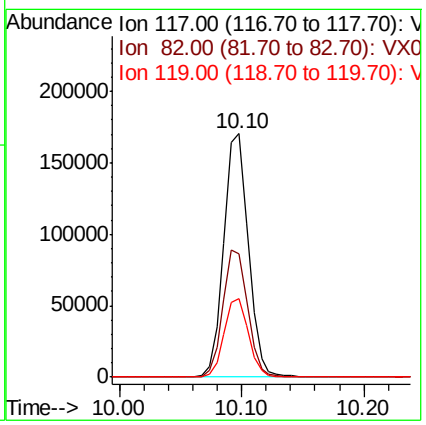


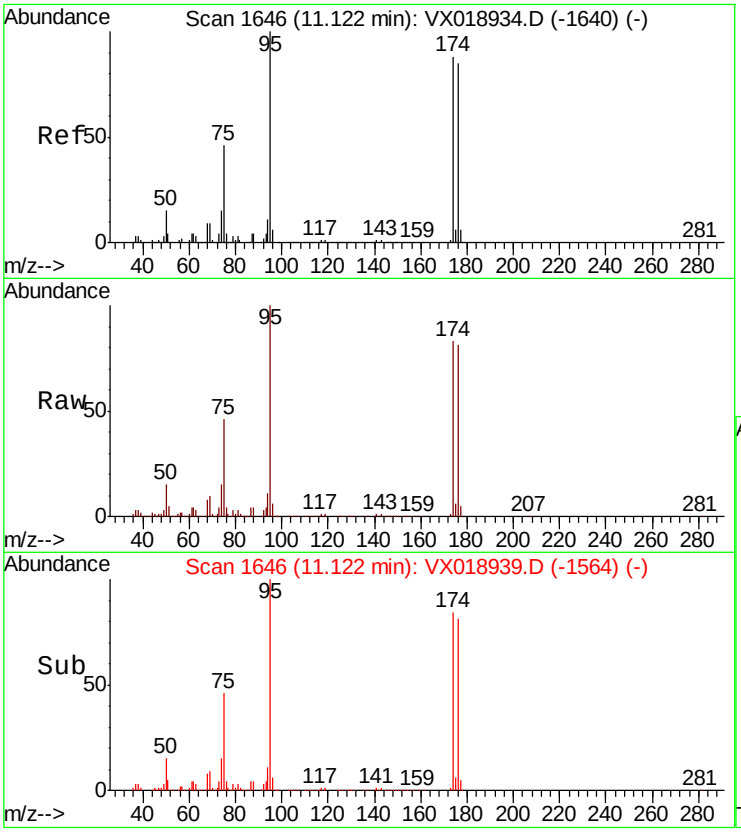




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion:117 Resp: 237765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.4 | 41.6 | 62.4 |
| 119 | 32.0 | 25.7 | 38.5 |



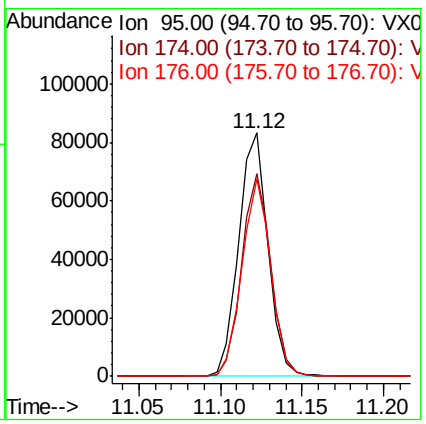


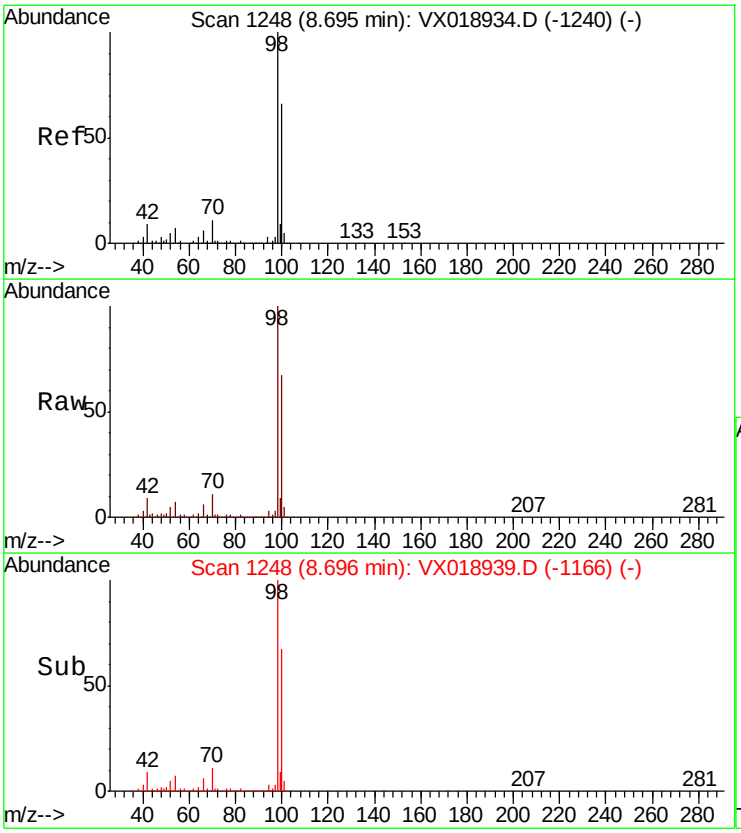

#60
4-Bromofluorobenzene
Concen: 28.281 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1015WBL01

Tgt Ion: 95 Resp: 104687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.6 | 67.0 | 100.4 |
| 176 | 79.8 | 64.5 | 96.7 |




#63
Toluene-d8
Concen: 30.269 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018939.D
Acq: 15 Oct 2020 17:35

Tgt Ion: 98 Resp: 314397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.0 | 53.2 | 79.8 |