Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008646.D
Acq On : 04 Apr 2019 19:14
Operator : JC/SP
Sample : K2275-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S8-0710

Quant Time: Apr 05 07:10:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 211301 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 351486 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 309611 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 132055 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 145349 | 47.16 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.32% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 106056 | 47.19 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.38% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 446765 | 49.93 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.86% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 151910 | 47.87 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.74% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 633 | Below Cal | | 92 |
| 5) Bromomethane | 1.64 | 94 | 554 | 2.214 | ug/l | 97 |
| 6) Chloroethane | 1.58 | 64 | 1077 | Below Cal | # | 57 |
| 10) Methyl Iodide | 2.51 | 142 | 88 | 4.041 | ug/l # | 78 |
| 11) Tert butyl alcohol | 3.02 | 59 | 297 | 0.412 | ug/l # | 78 |
| 13) Acrolein | 2.29 | 56 | 132 | 0.369 | ug/l # | 13 |
| 16) Acetone | 2.44 | 43 | 3932 | 2.215 | ug/l | 94 |
| 17) Carbon Disulfide | 2.57 | 76 | 685 | Below Cal | # | 76 |
| 20) Methylene Chloride | 2.85 | 84 | 871 | 0.293 | ug/l # | 89 |
| 28) Bromochloromethane | 5.00 | 49 | 20 | Below Cal | # | 22 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 17186 | 4.473 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 20572 | 6.469 | ug/l # | 16 |
| 40) Benzene | 6.15 | 78 | 2752 | 0.240 | ug/l | 92 |
| 52) Toluene | 8.78 | 92 | 3079 | 0.456 | ug/l | 97 |
| 67) Ethyl Benzene | 10.25 | 91 | 4893 | 0.382 | ug/l | 96 |
| 68) m/p-Xylenes | 10.36 | 106 | 6055 | 1.316 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 77475 | 21.357 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 77475 | 58.871 | ug/l # | 9 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 3011 | 0.324 | ug/l | 97 |
| 95) Naphthalene | 13.83 | 128 | 4102 | 0.377 | ug/l | 94 |

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

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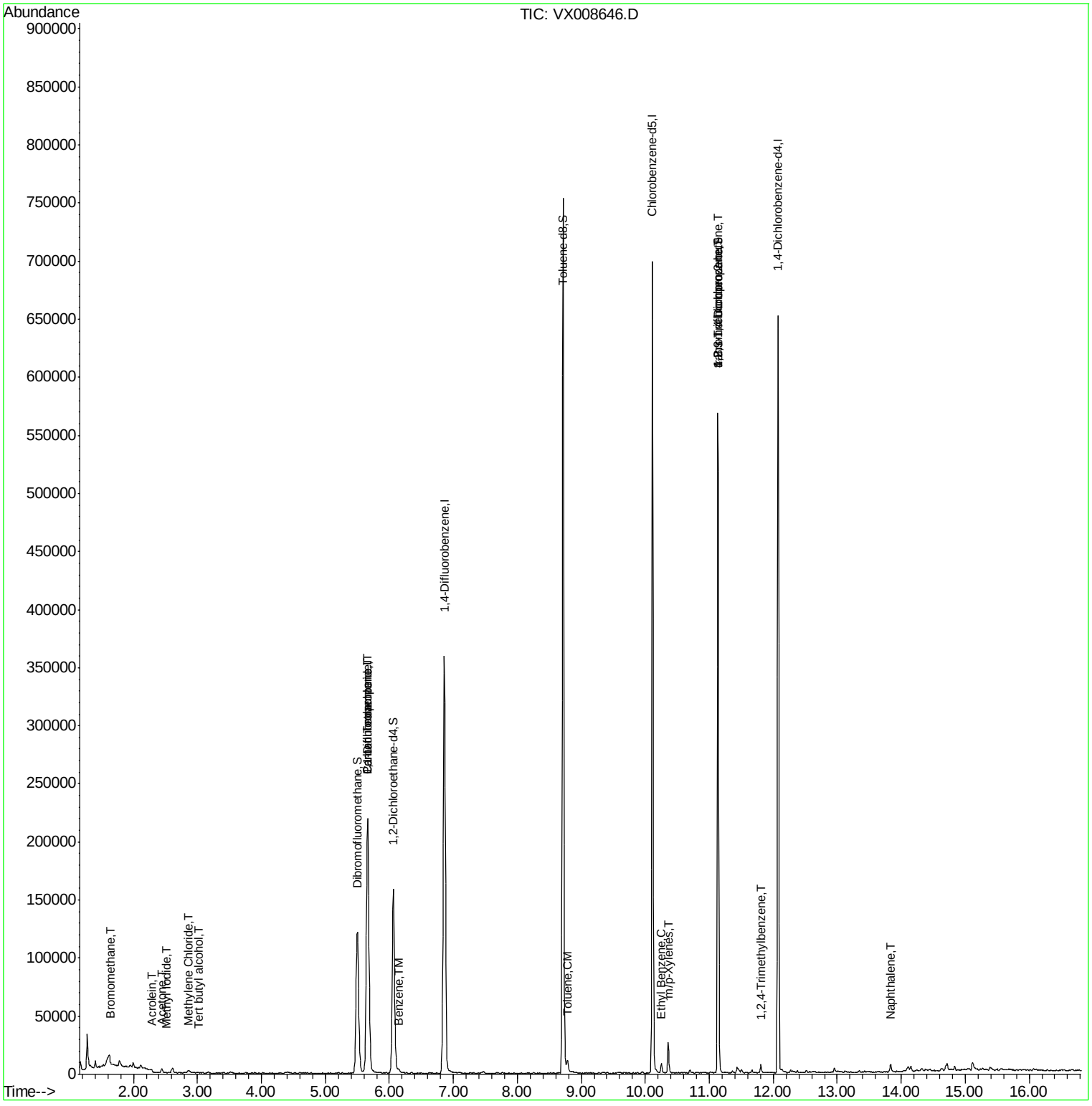
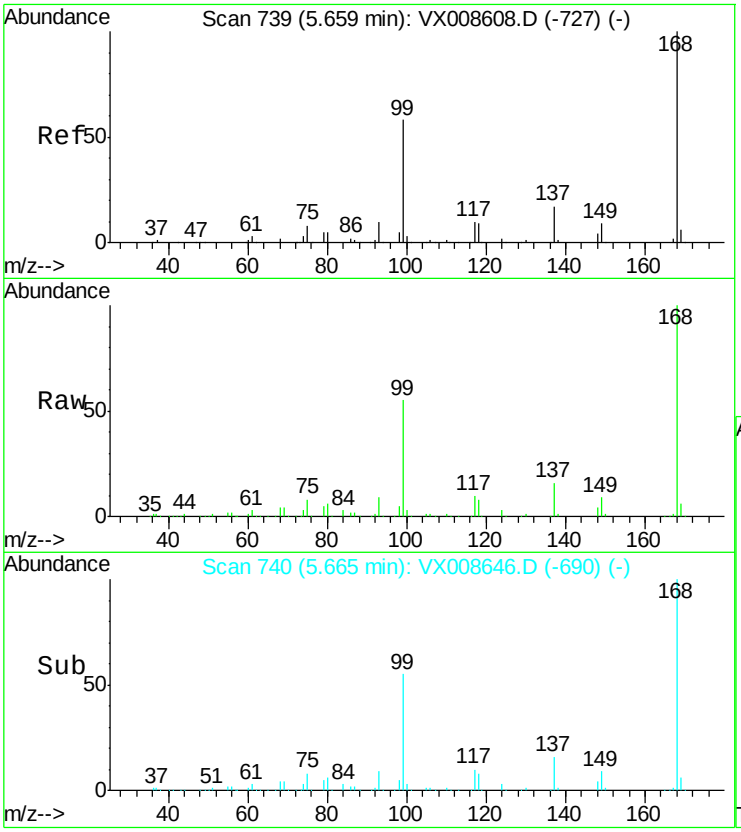
Sample : K2275-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Quant Time: Apr 05 07:10:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration



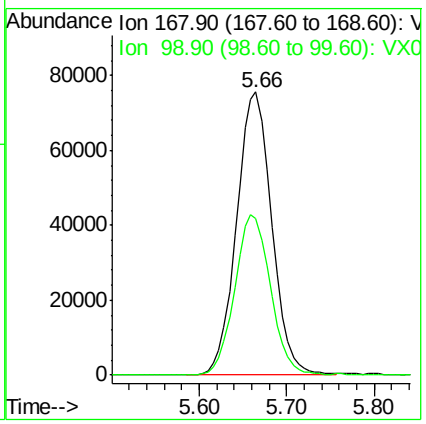


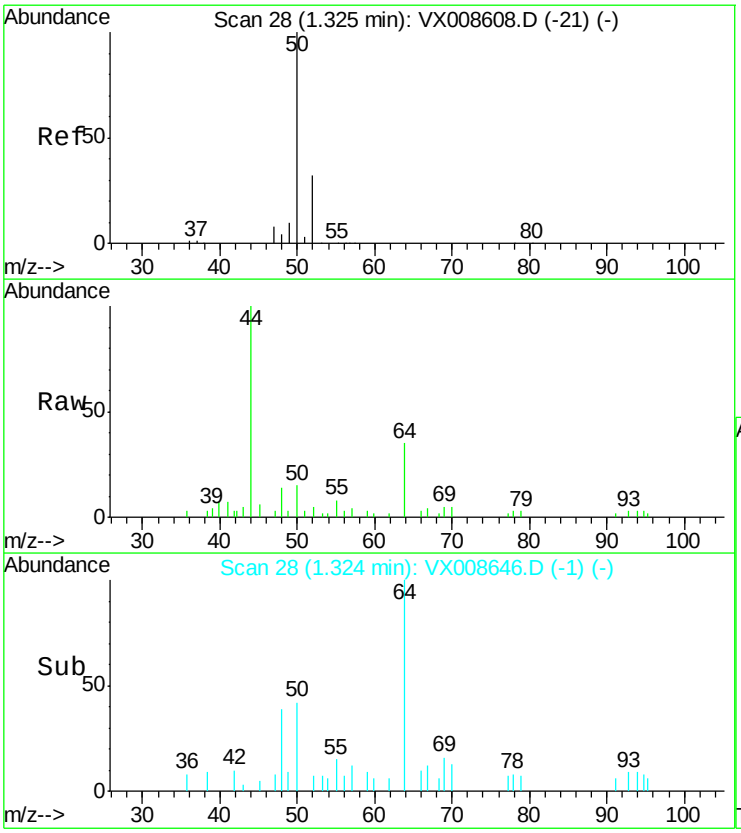

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion:168 Resp: 211301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.2 | 46.7 | 70.1 |

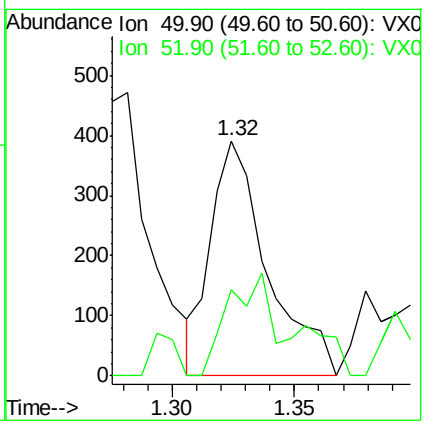


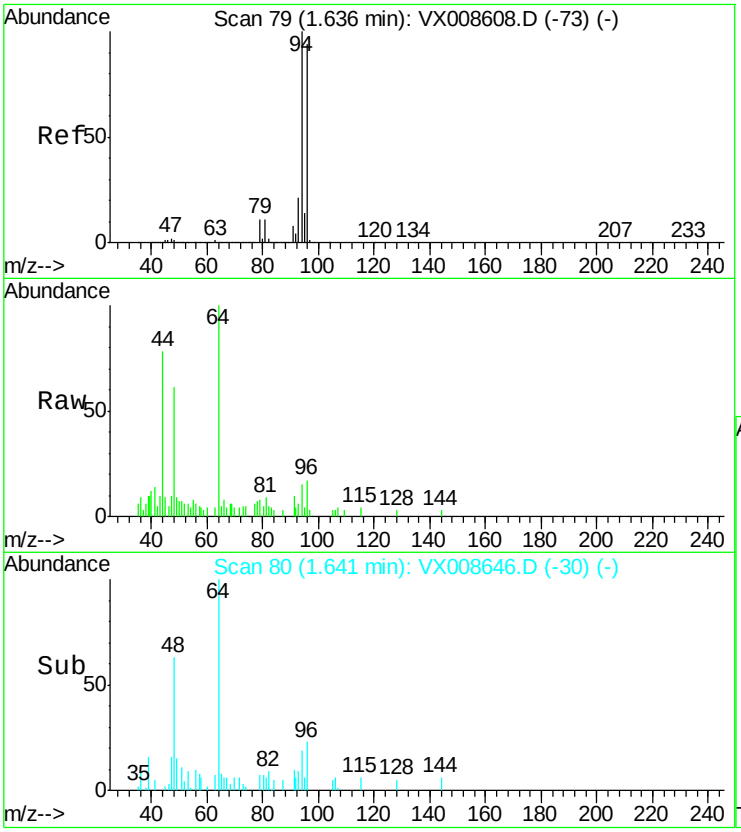




#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 50 Resp: 633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.6 | 25.8 | 38.8 |



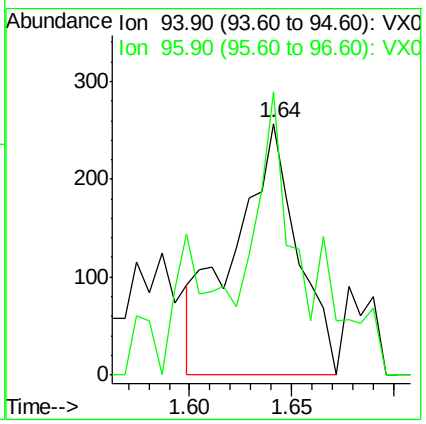


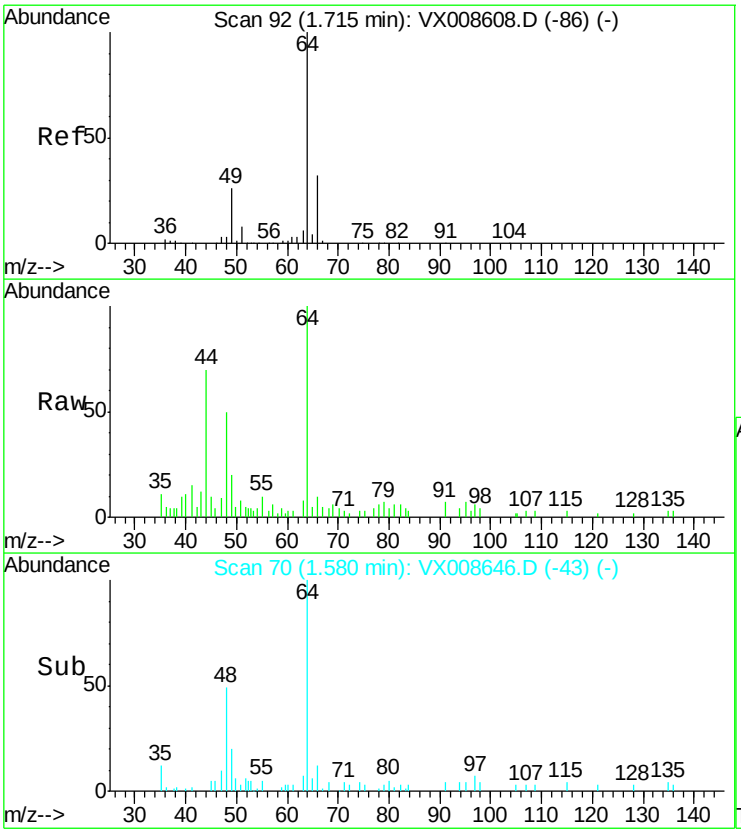

#5
Bromomethane
Concen: 2.214 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 94 Resp: 554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.1 | 75.2 | 112.8 |

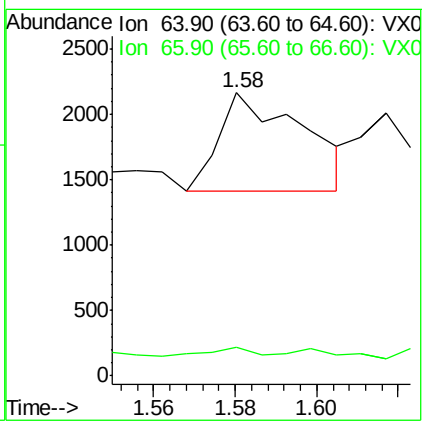


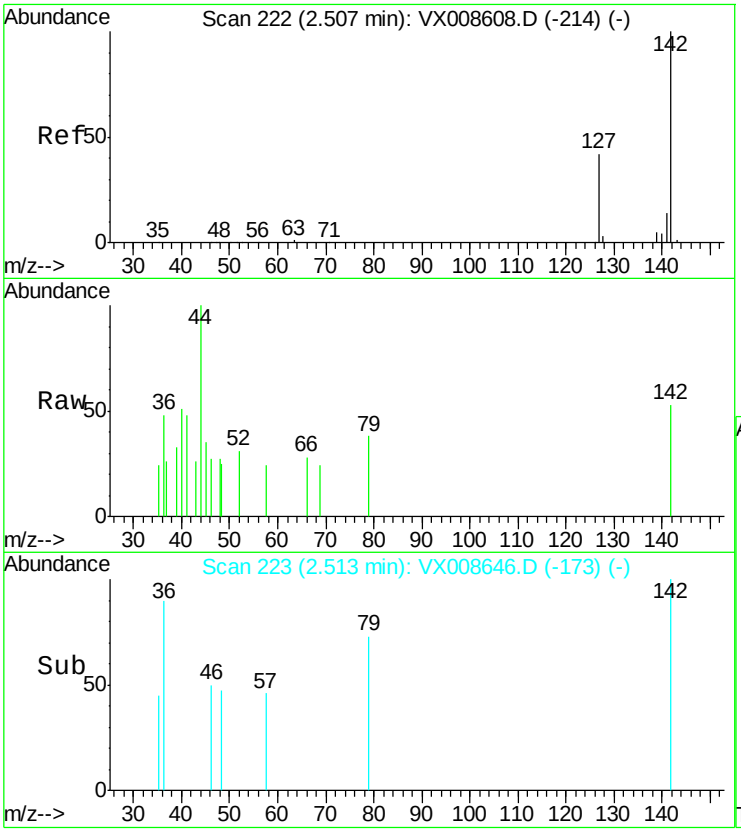




#6
Chloroethane
Concen: Below Cal
RT: 1.58 min Scan# 70
Delta R.T. -0.13 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 64 Resp: 1077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 7.9 | 25.4 | 38.0# |



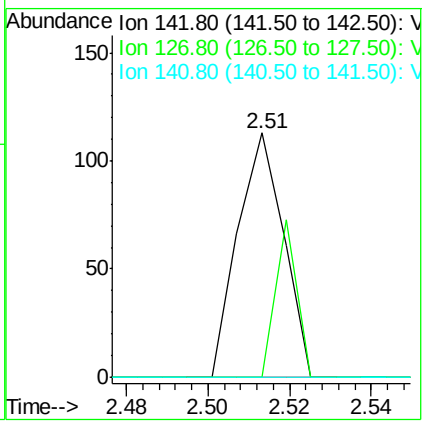


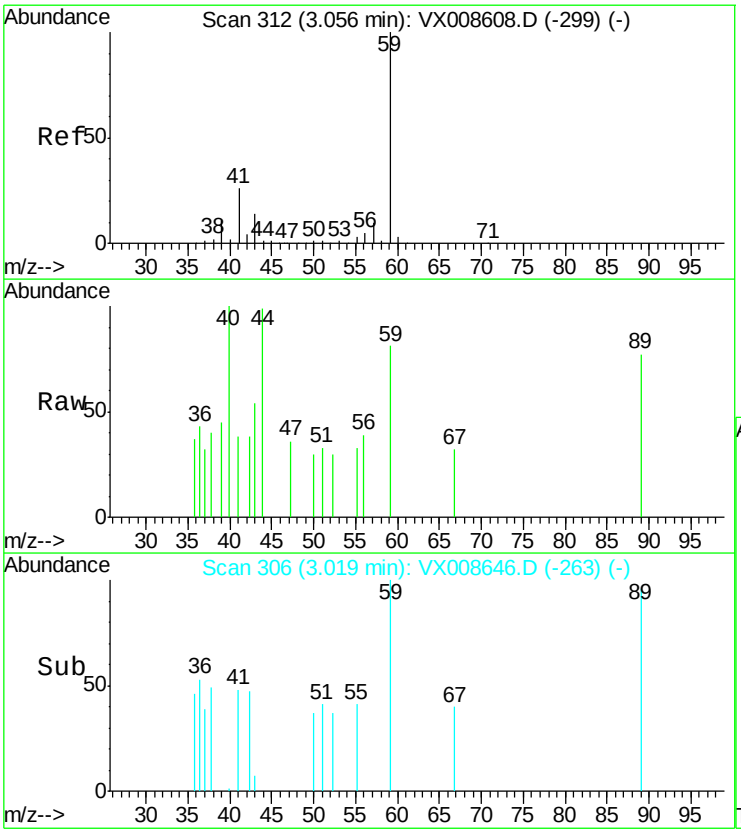

#10
Methyl Iodide
Concen: 4.041 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion:142 Resp: 88

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 30.7 | 33.0 | 49.6# |
| 141 | 0.0 | 11.4 | 17.2# |

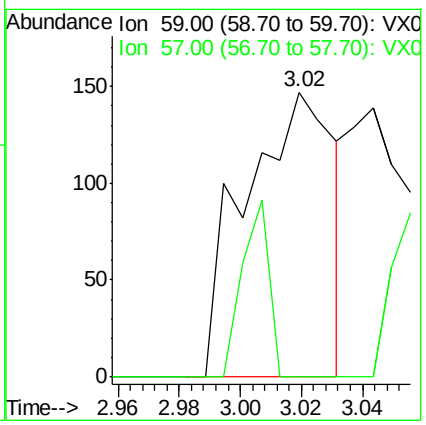


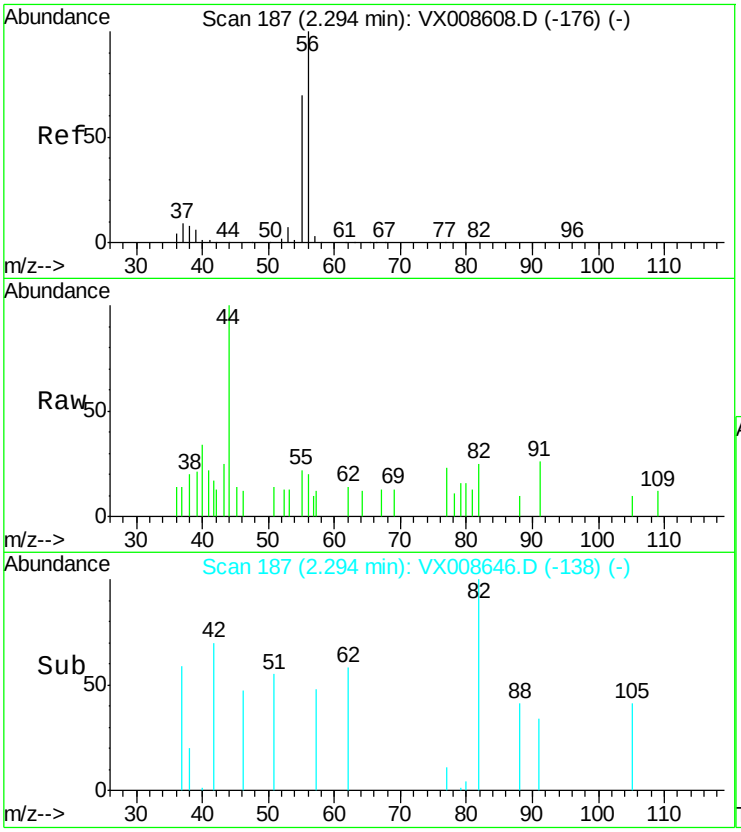




#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 59 Resp: 297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 18.5 | 8.3 | 12.5# |



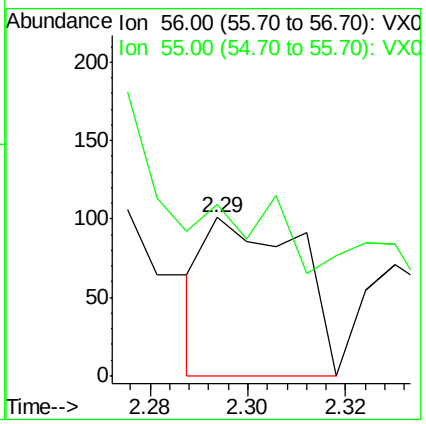


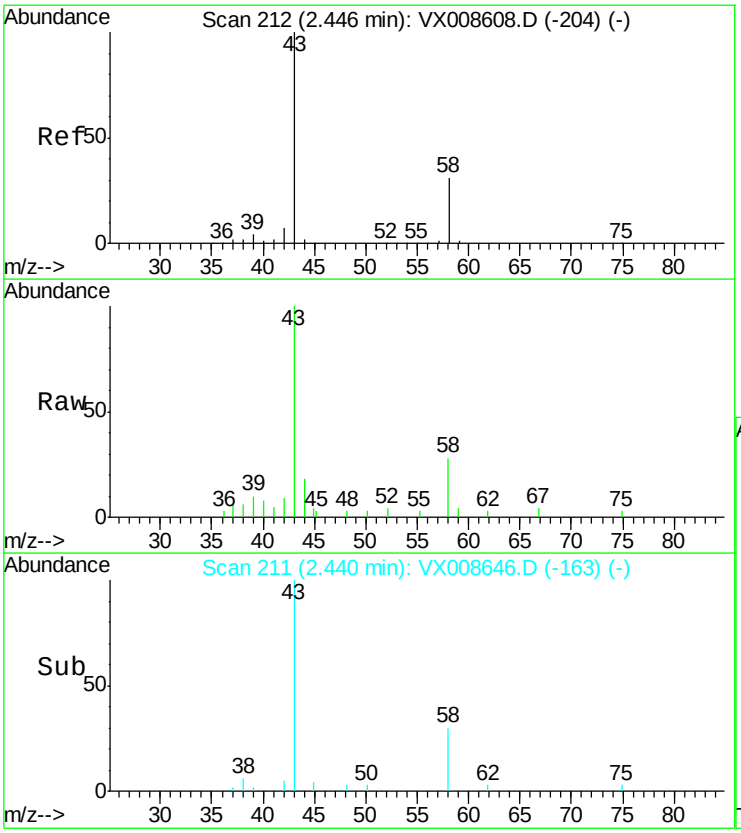

#13
Acrolein
Concen: 0.369 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 56 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.0 | 87.0# |

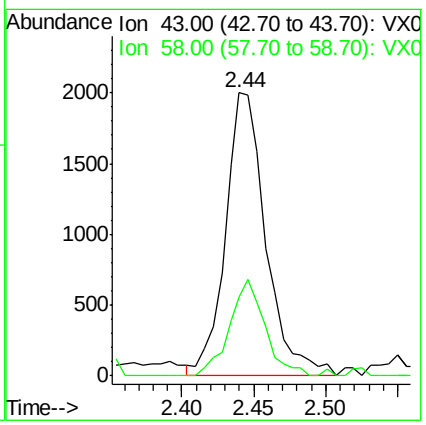


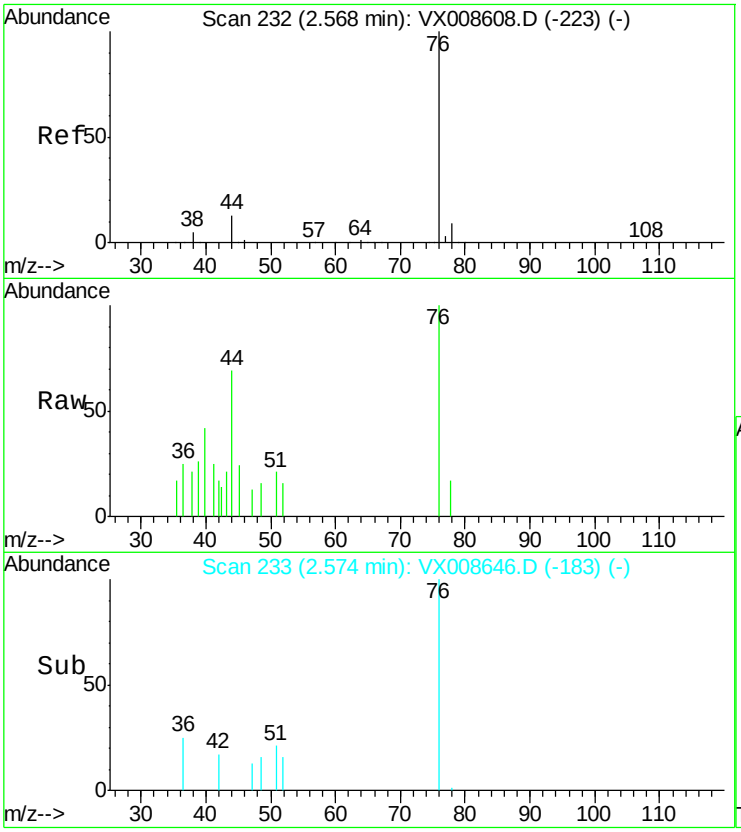




#16
Acetone
Concen: 2.215 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 43 Resp: 3932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 24.8 | 37.2 |



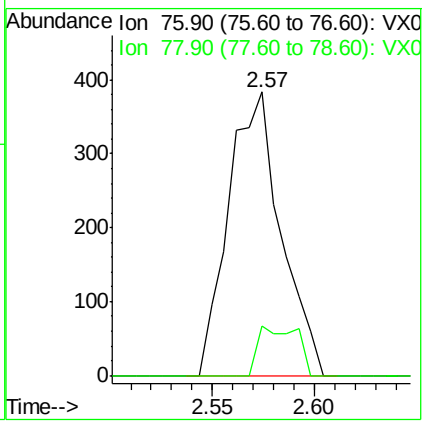


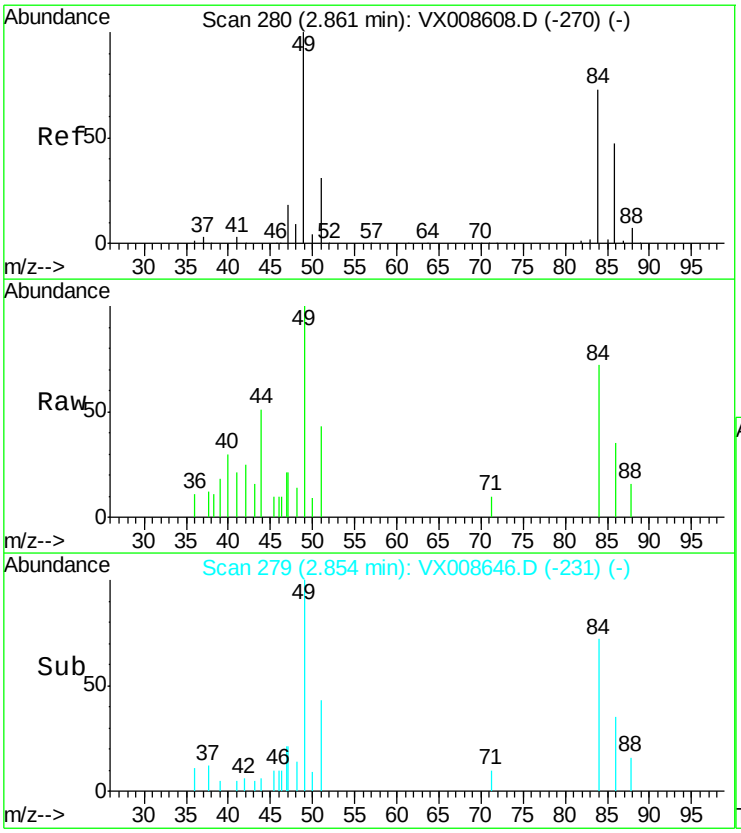

#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 76 Resp: 685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 17.5 | 7.1 | 10.7# |

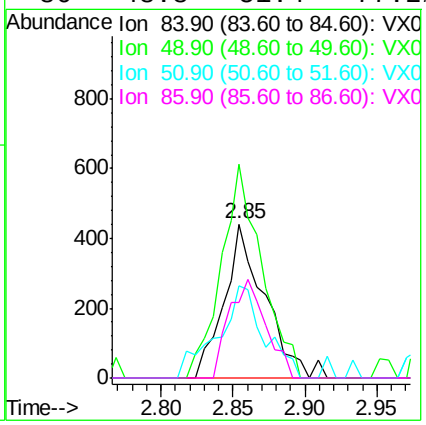


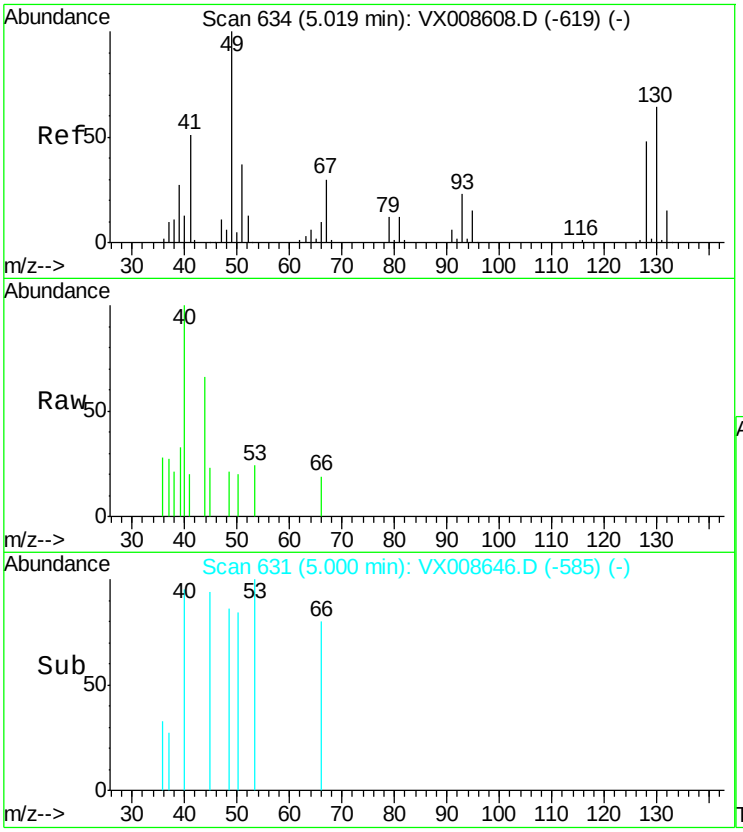




#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 84 Resp: 871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.8 | 109.7 | 164.5 |
| 51 | 59.9 | 33.6 | 50.4# |
| 86 | 48.8 | 51.4 | 77.2# |



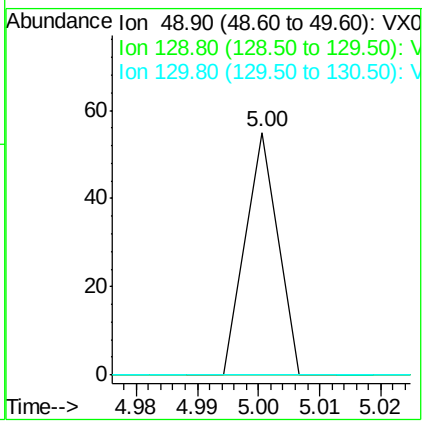


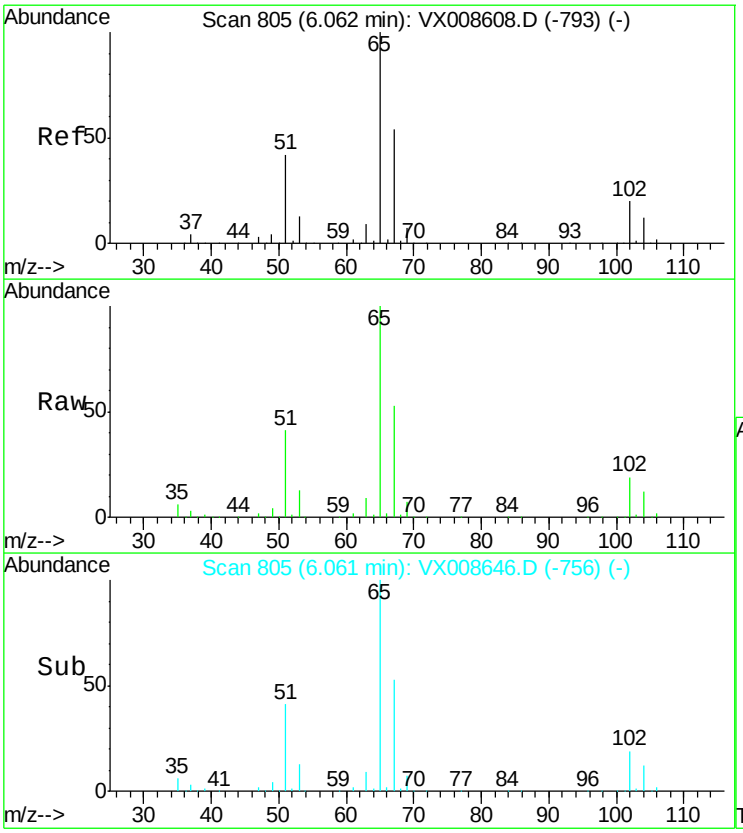

#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.02 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 49 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.6 |
| 130 | 0.0 | 49.3 | 73.9# |

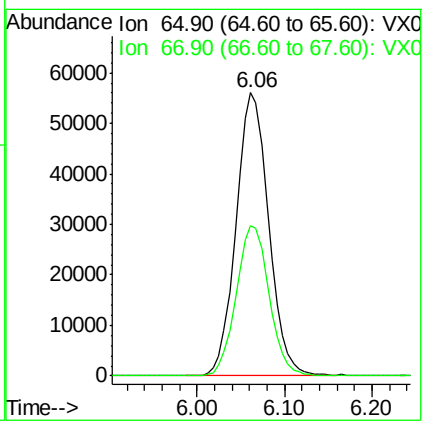


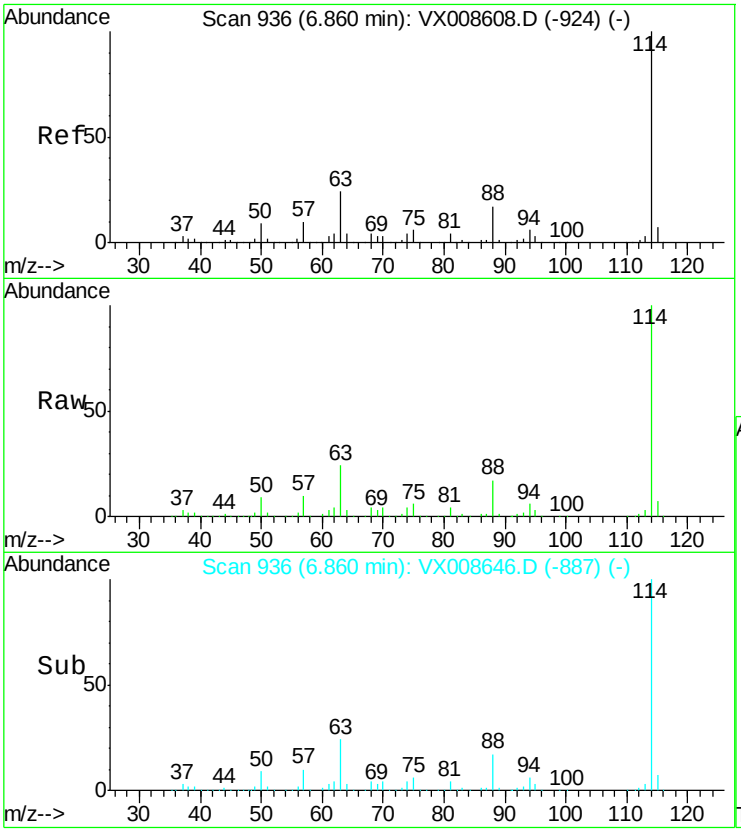




#33
1,2-Dichloroethane-d4
Concen: 47.161 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 65 Resp: 145349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 0.0 | 107.2 |



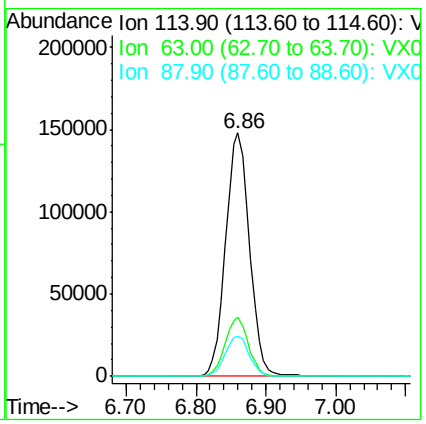


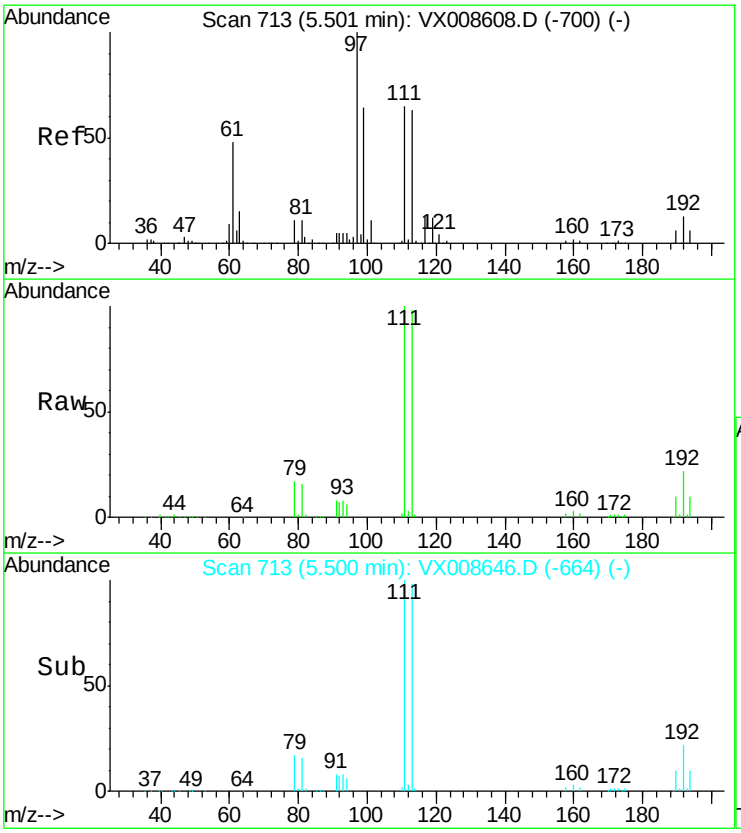

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion:114 Resp: 351486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.1 | 0.0 | 47.2 |
| 88 | 16.6 | 0.0 | 34.0 |

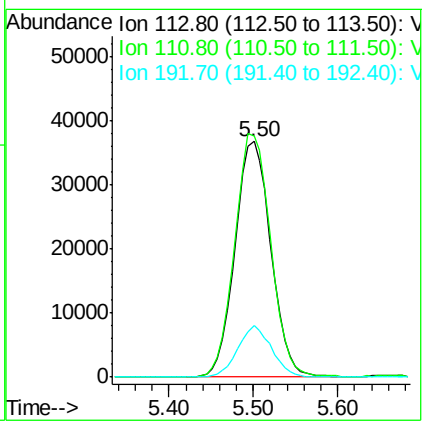


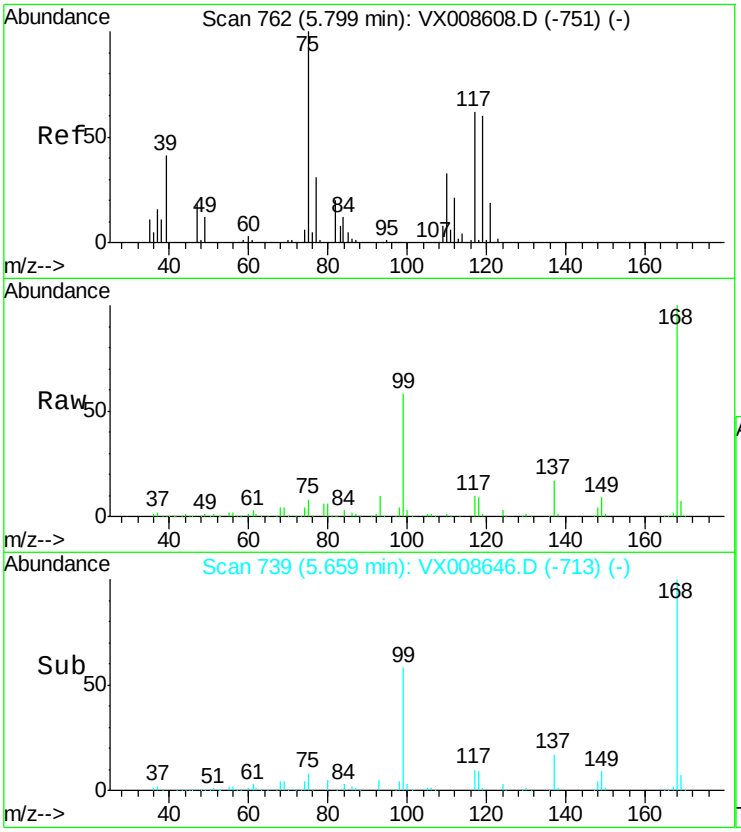




#35
Dibromofluoromethane
Concen: 47.193 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:113 Resp: 106056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 83.4 | 125.2 |
| 192 | 20.4 | 16.1 | 24.1 |



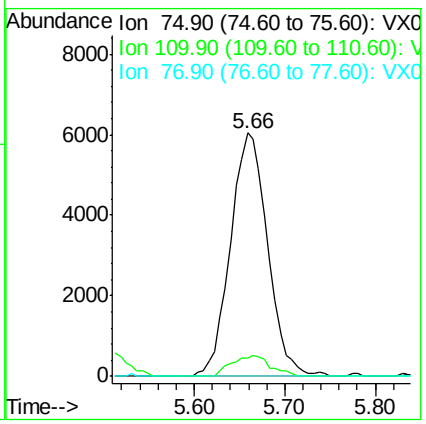


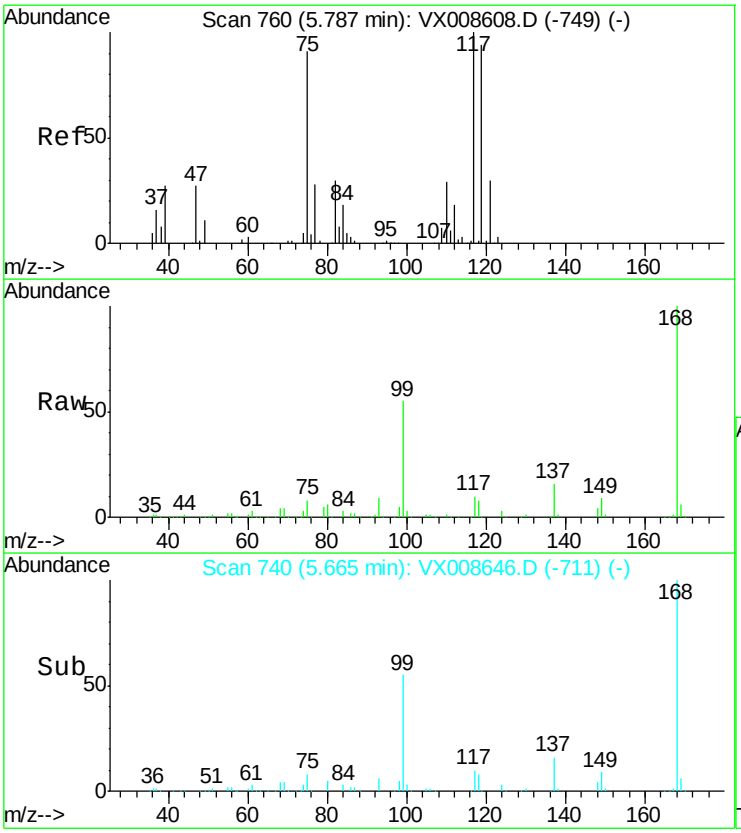

#36
1,1-Dichloropropene
Concen: 4.473 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 75 Resp: 17186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.9 | 16.4 | 49.2# |
| 77 | 0.0 | 24.7 | 37.1# |

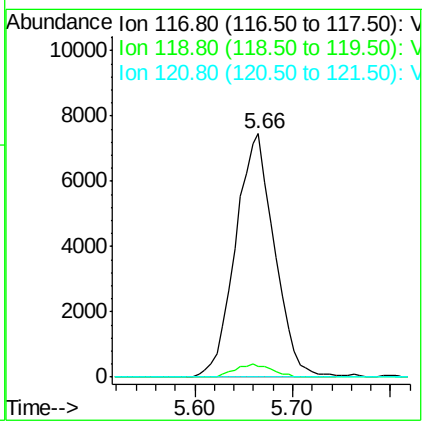


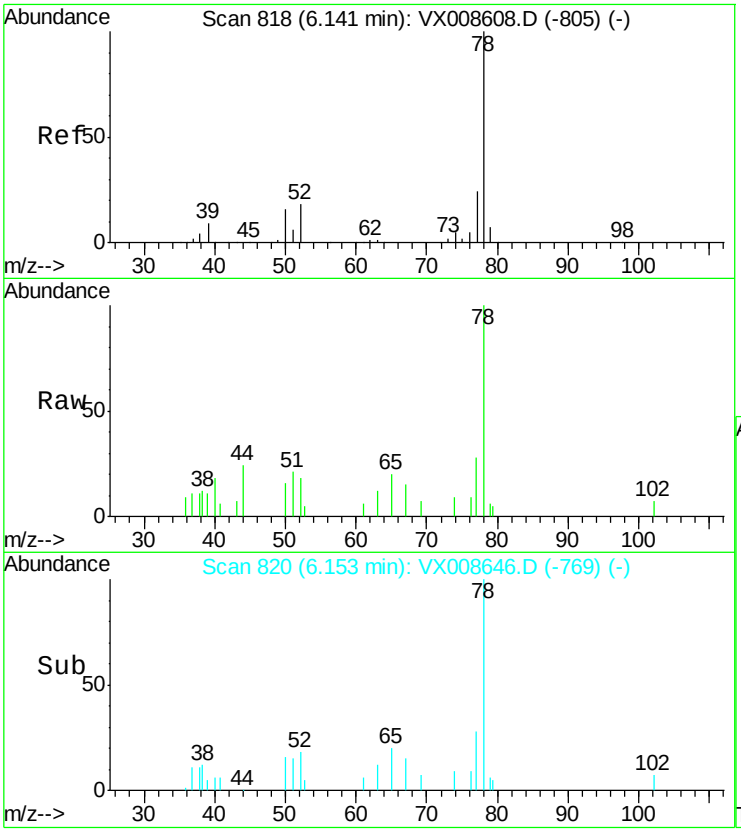




#38
Carbon Tetrachloride
Concen: 6.469 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:117 Resp: 20572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.1 | 75.0 | 112.6# |
| 121 | 0.0 | 24.3 | 36.5# |



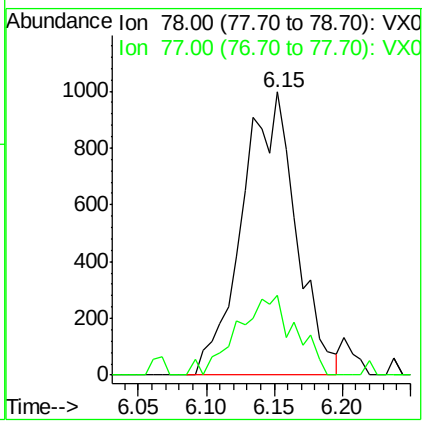


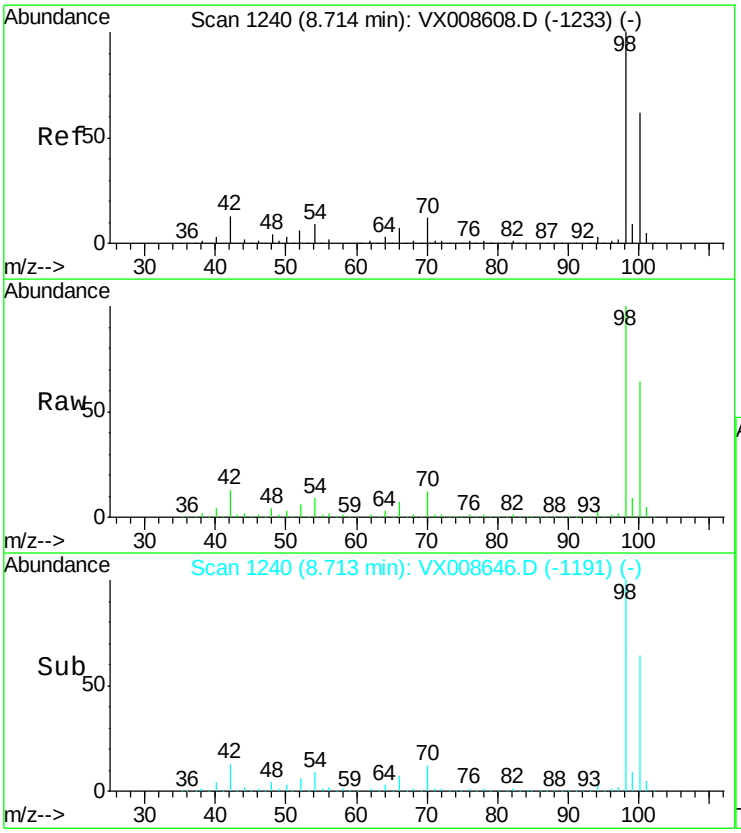

#40
Benzene
Concen: 0.240 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 78 Resp: 2752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 28.1 | 19.1 | 28.7 |

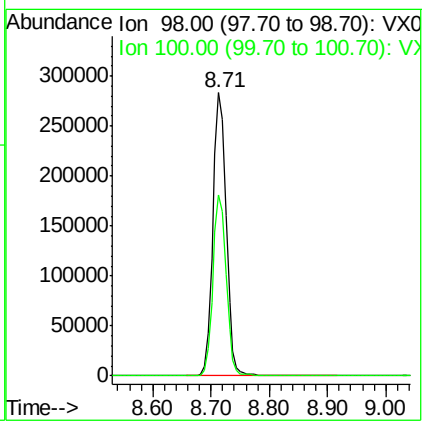


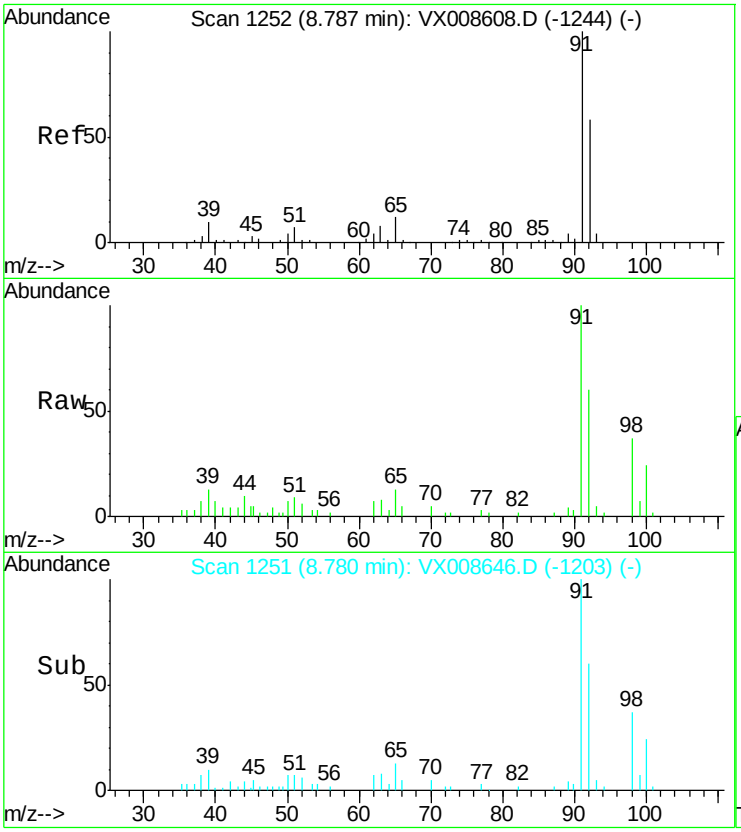




#50
Toluene-d8
Concen: 49.929 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 98 Resp: 446765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 51.4 | 77.0 |



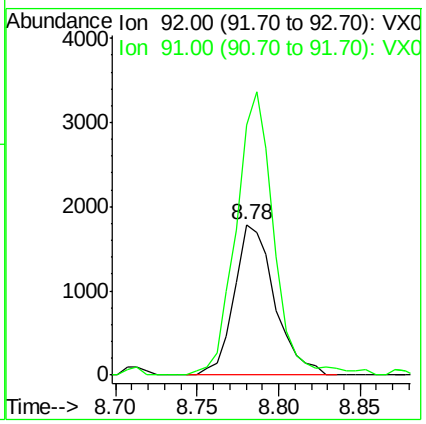


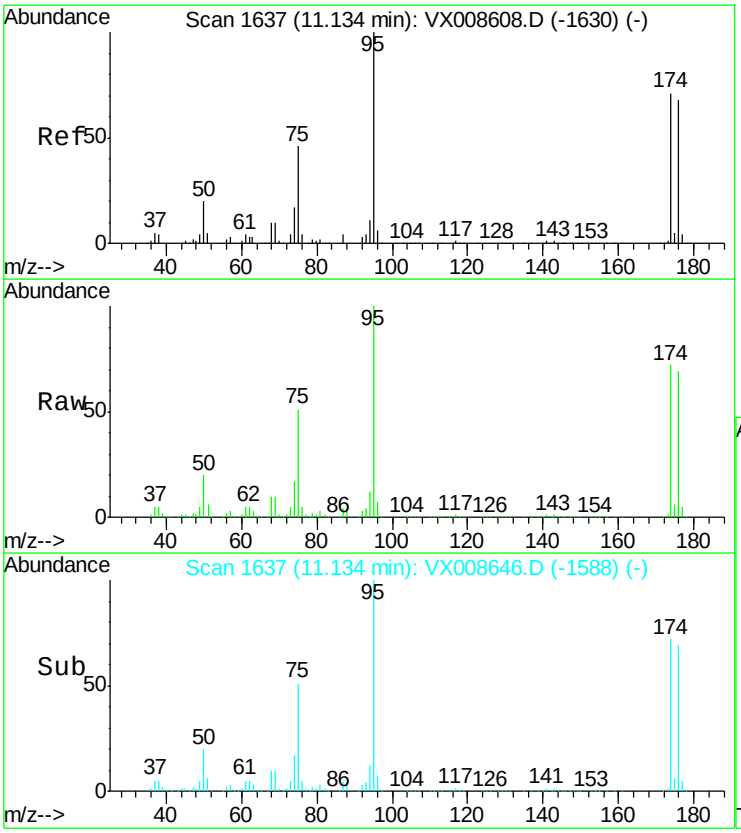

#52
Toluene
Concen: 0.456 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 92 Resp: 3079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 177.2 | 138.5 | 207.7 |

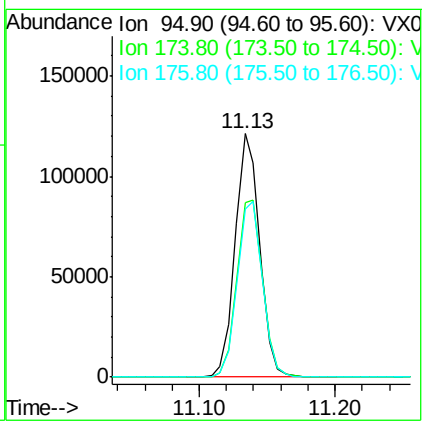


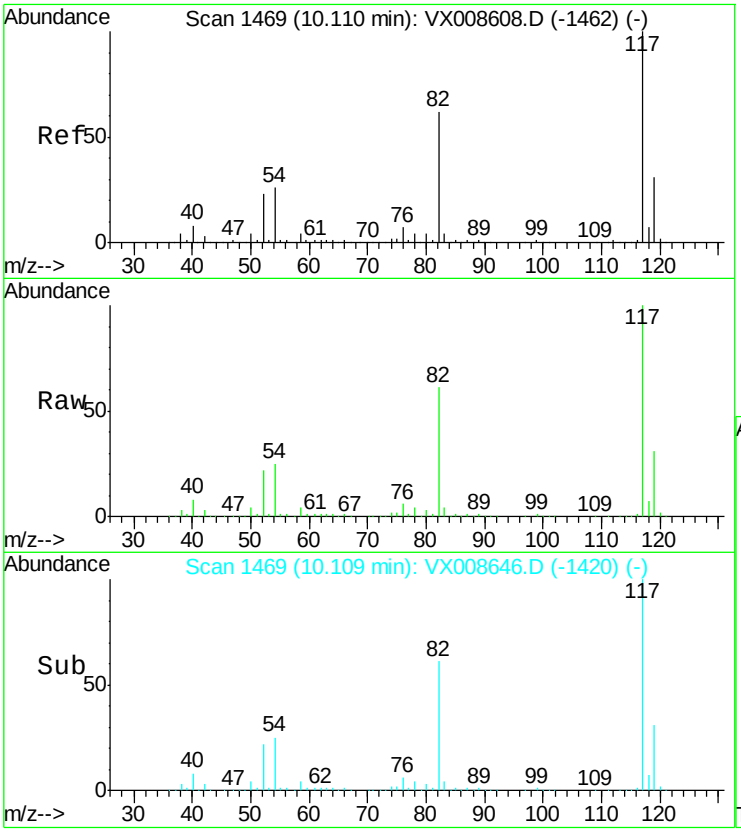




#62
4-Bromofluorobenzene
Concen: 47.874 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 95 Resp: 151910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.5 | 0.0 | 151.8 |
| 176 | 74.3 | 0.0 | 145.8 |



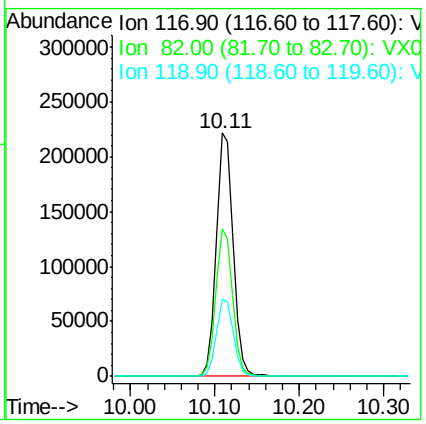


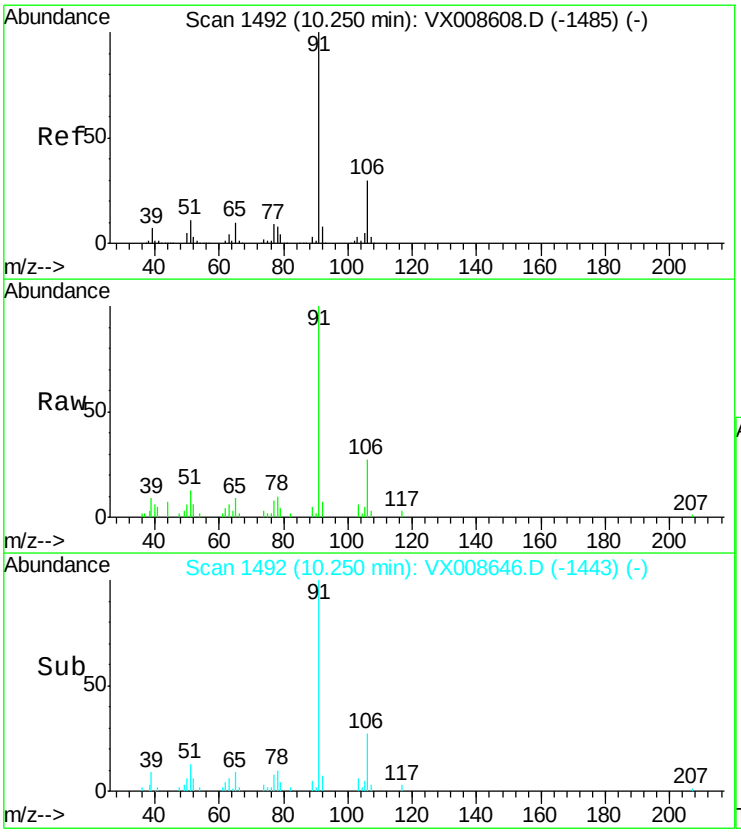

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** S8-0710

Tgt Ion:117 Resp: 309611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.9 | 49.6 | 74.4 |
| 119 | 31.5 | 25.0 | 37.4 |

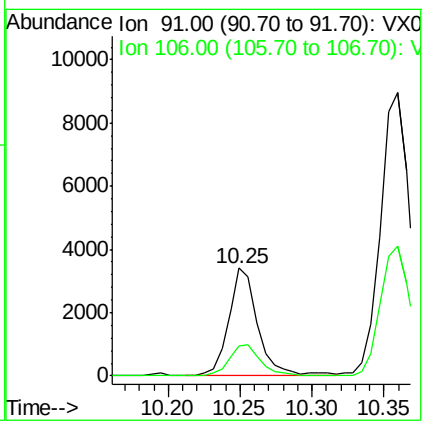


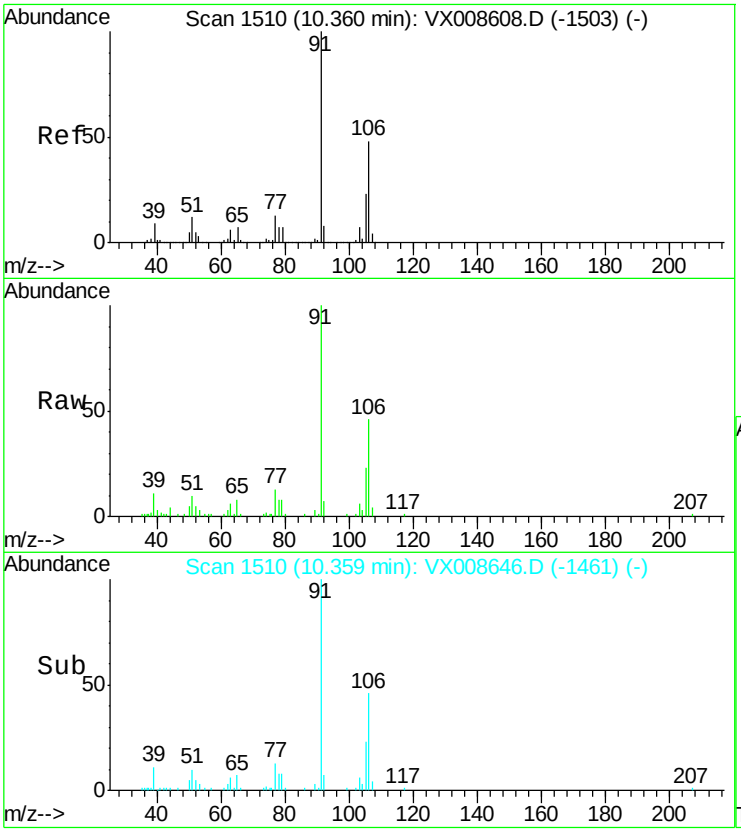




#67
Ethyl Benzene
Concen: 0.382 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 91 Resp: 4893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.4 | 23.7 | 35.5 |



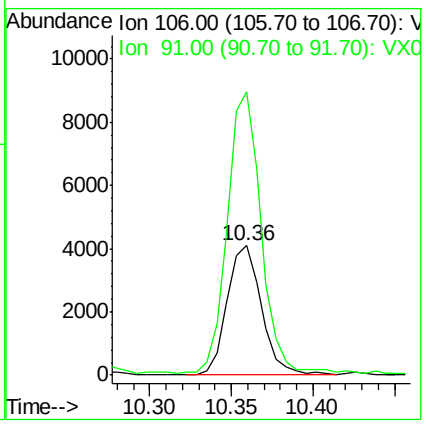


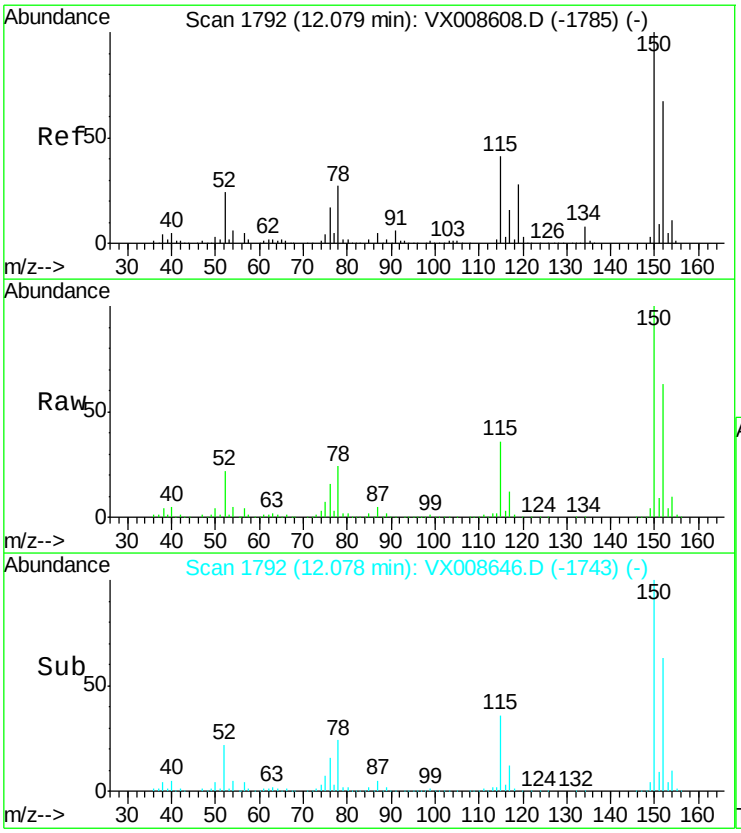

#68
m/p-Xylenes
Concen: 1.316 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :** MSVOA_X
**ClientSampleId :** S8-0710

Tgt Ion:106 Resp: 6055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.7 | 168.5 | 252.7 |

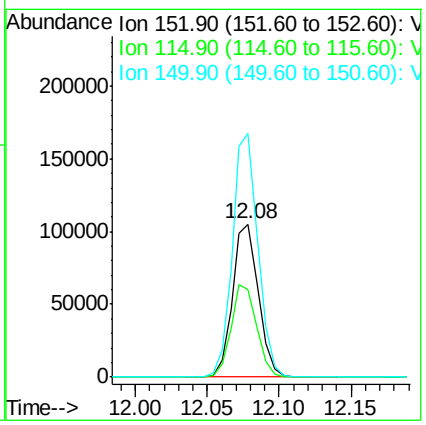


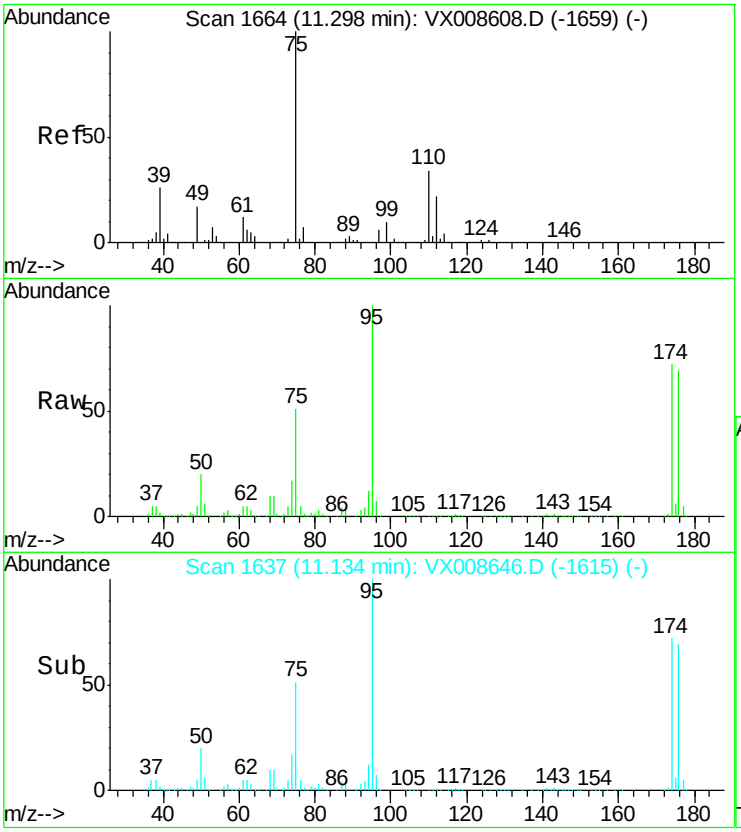




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:152 Resp: 132055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 43.5 | 130.5 |
| 150 | 157.0 | 0.0 | 348.8 |



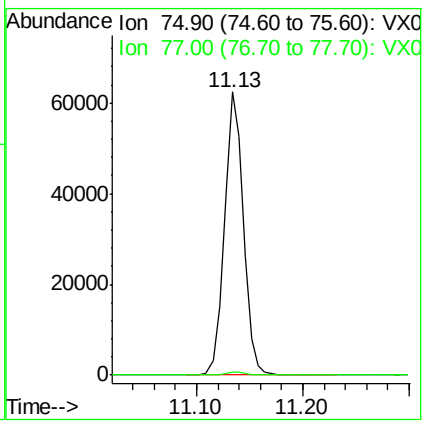


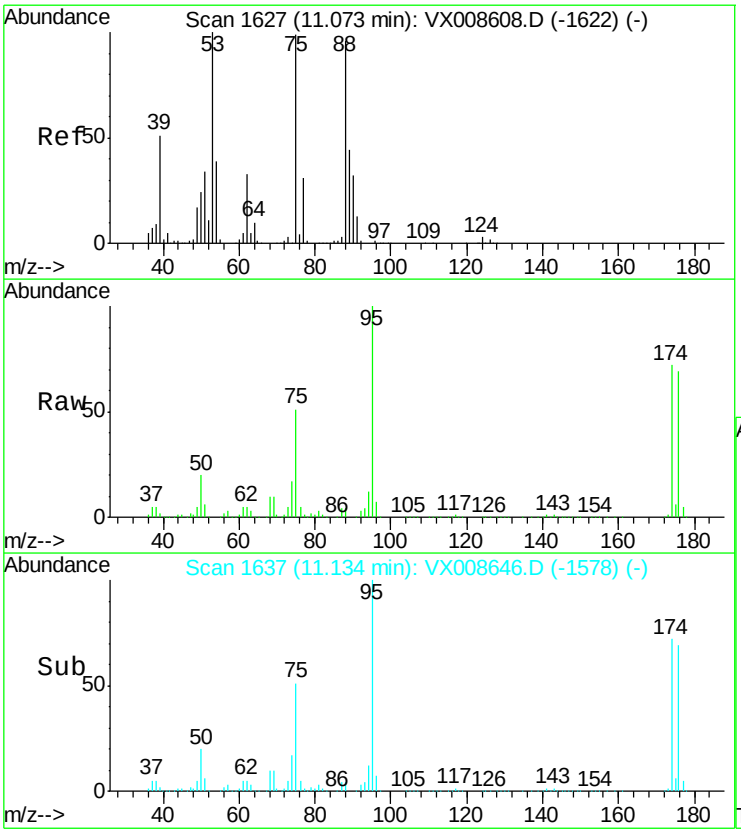

#76
1,2,3-Trichloropropane
Concen: 21.357 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion: 75 Resp: 77475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 22.3 | 66.8# |

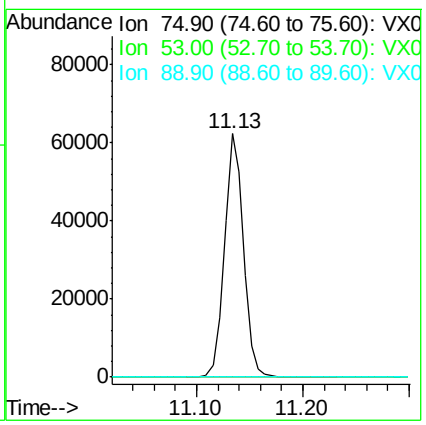


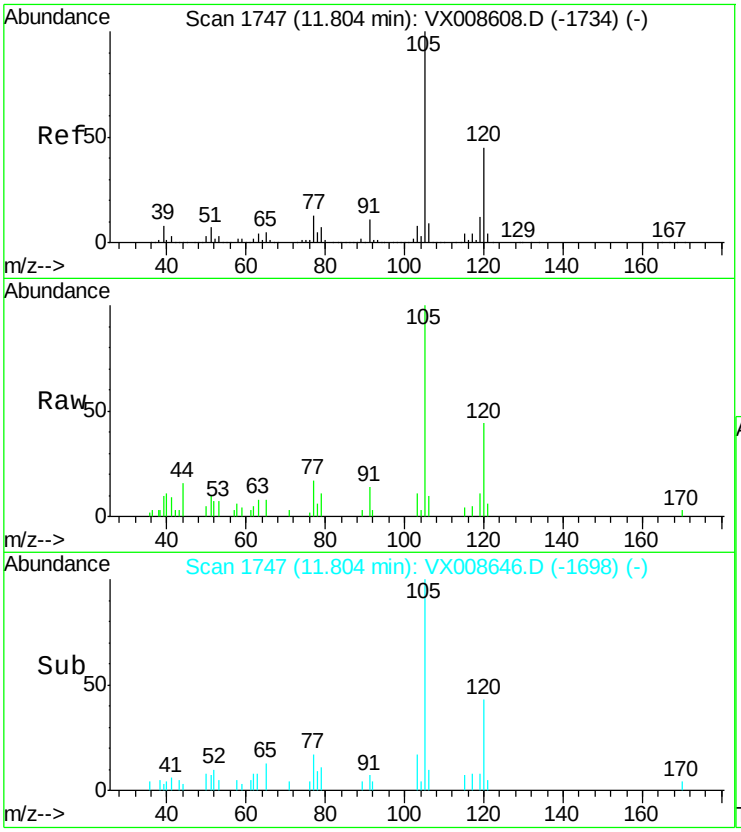




#81
trans-1,4-Dichloro-2-butene
Concen: 58.871 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion: 75 Resp: 77475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 81.3 | 121.9# |
| 89 | 0.0 | 35.6 | 53.4# |



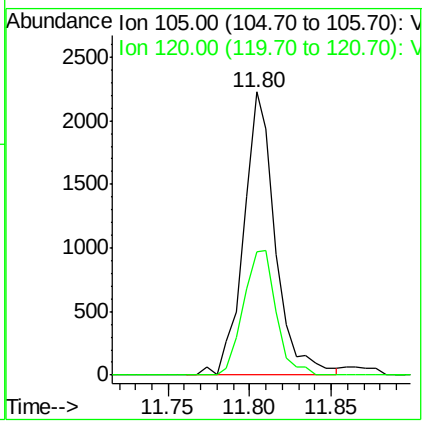


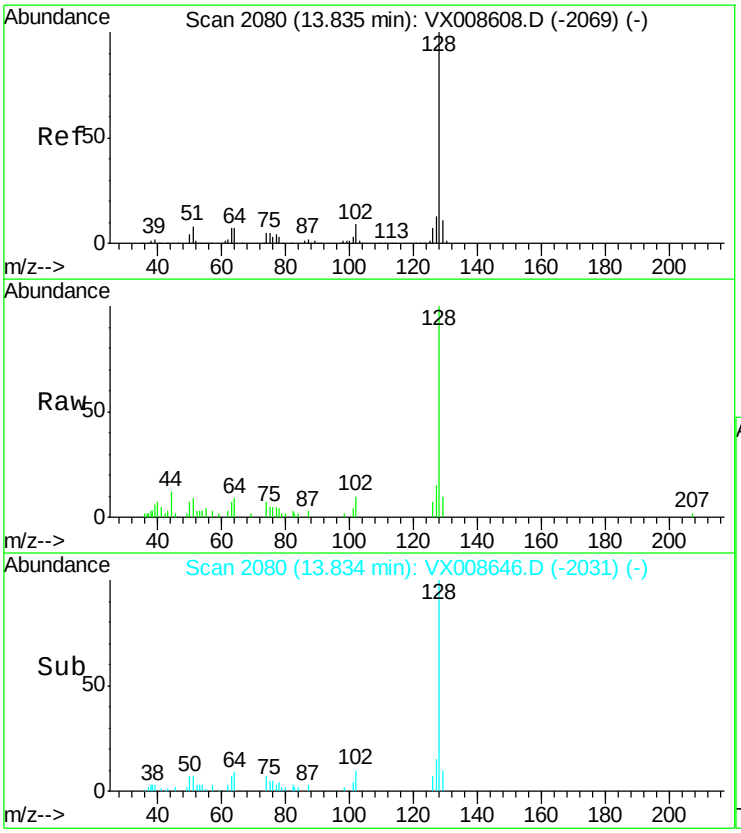

#84
1,2,4-Trimethylbenzene
Concen: 0.324 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
S8-0710

Tgt Ion:105 Resp: 3011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 21.8 | 65.3 |




#95
Naphthalene
Concen: 0.377 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008646.D
Acq: 04 Apr 2019 19:14

Tgt Ion:128 Resp: 4102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.6 | 10.4 | 15.6 |
| 129 | 12.6 | 8.6 | 13.0 |