Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
Data File : VX008776.D
Acq On : 09 Apr 2019 17:22
Operator : JC/SP
Sample : K2311-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 10 06:38:34 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 | 5.67 | 168 | 207288 | 50.00 ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 343402 | 50.00 ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 293774 | 50.00 ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 121082 | 50.00 ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 143151 | 47.35 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 94.70% | |
| 35) Dibromofluoromethane | 5.50 | 113 | 104492 | 47.59 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 95.18% | |
| 50) Toluene-d8 | 8.71 | 98 | 429532 | 49.13 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 98.26% | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 139770 | 45.09 ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 90.18% | |
| **Target Compounds** | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 420 | Below Cal # | 78 |
| 5) Bromomethane | 1.64 | 94 | 198 | 2.005 ug/l # | 36 |
| 6) Chloroethane | 1.72 | 64 | 79 | Below Cal # | 43 |
| 8) Diethyl Ether | 2.19 | 74 | 362 | 0.214 ug/l | 93 |
| 10) Methyl Iodide | 2.51 | 142 | 131 | 4.061 ug/l # | 87 |
| 11) Tert butyl alcohol | 3.04 | 59 | 5882 | 8.310 ug/l | 97 |
| 13) Acrolein | 2.29 | 56 | 262 | 0.746 ug/l # | 70 |
| 16) Acetone | 2.44 | 43 | 61145 | 35.113 ug/l | 96 |
| 17) Carbon Disulfide | 2.56 | 76 | 820 | Below Cal # | 70 |
| 20) Methylene Chloride | 2.86 | 84 | 1336 | 0.458 ug/l | 94 |
| 25) 2-Butanone | 4.68 | 43 | 20837 | 7.571 ug/l | 98 |
| 28) Bromochloromethane | 5.02 | 49 | 20 | Below Cal # | 22 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 16575 | 4.416 ug/l # | 50 |
| 37) Ethyl Acetate | 4.68 | 43 | 20837 | 4.159 ug/l # | 71 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 19590 | 6.305 ug/l # | 17 |
| 69) o-Xylene | 10.70 | 106 | 859 | 0.203 ug/l | 80 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 71093 | 21.373 ug/l # | 34 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 1781 | 0.211 ug/l | 90 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 71093 | 58.917 ug/l # | 9 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 3363 | 0.394 ug/l | 94 |
| 90) Hexachloroethane | 12.58 | 117 | 367 | 0.256 ug/l # | 9 |
| 95) Naphthalene | 13.83 | 128 | 7877 | 0.791 ug/l # | 88 |

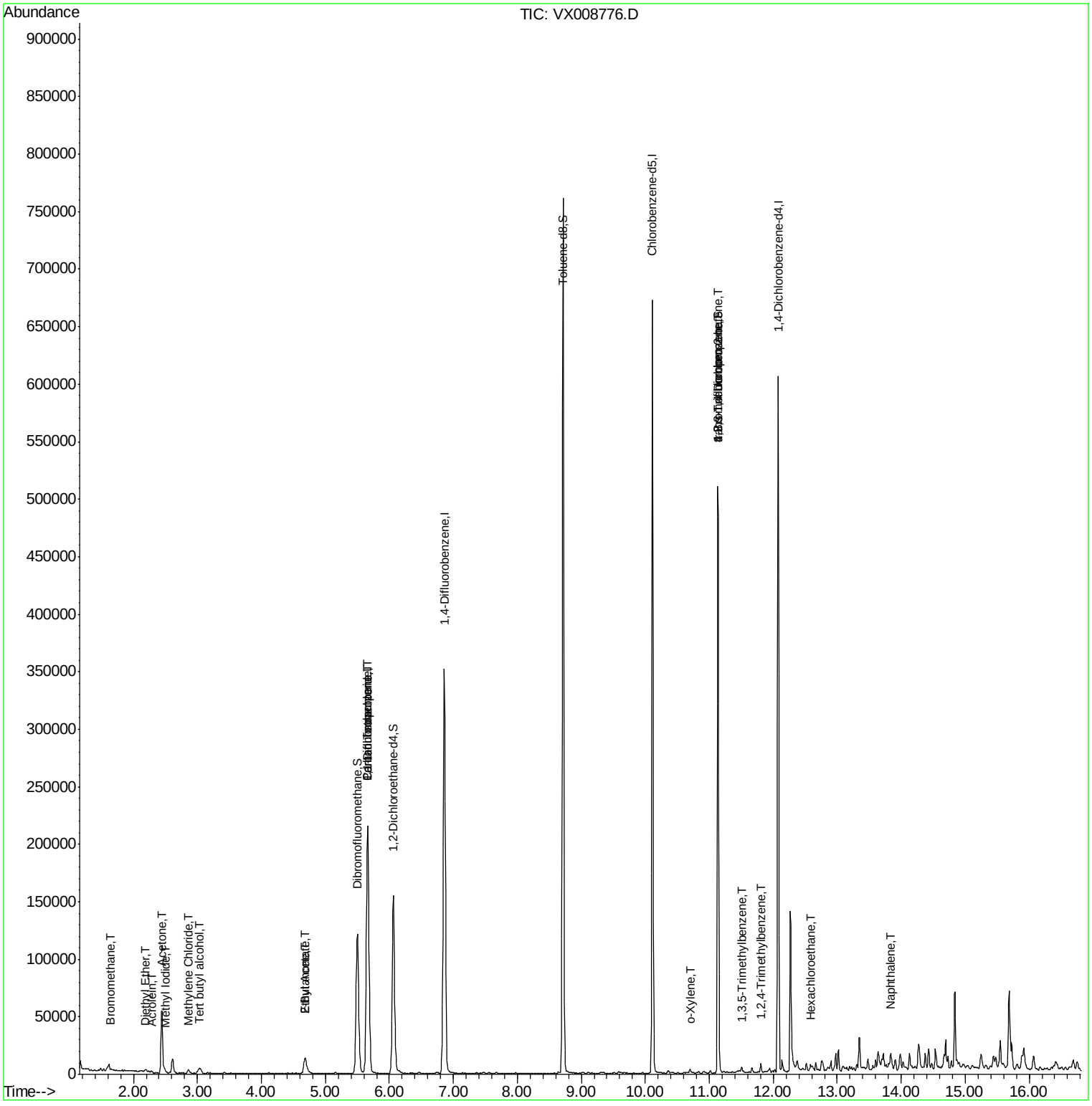
(#) = qualifier out of range (m) = manual integration (+) = signals summed

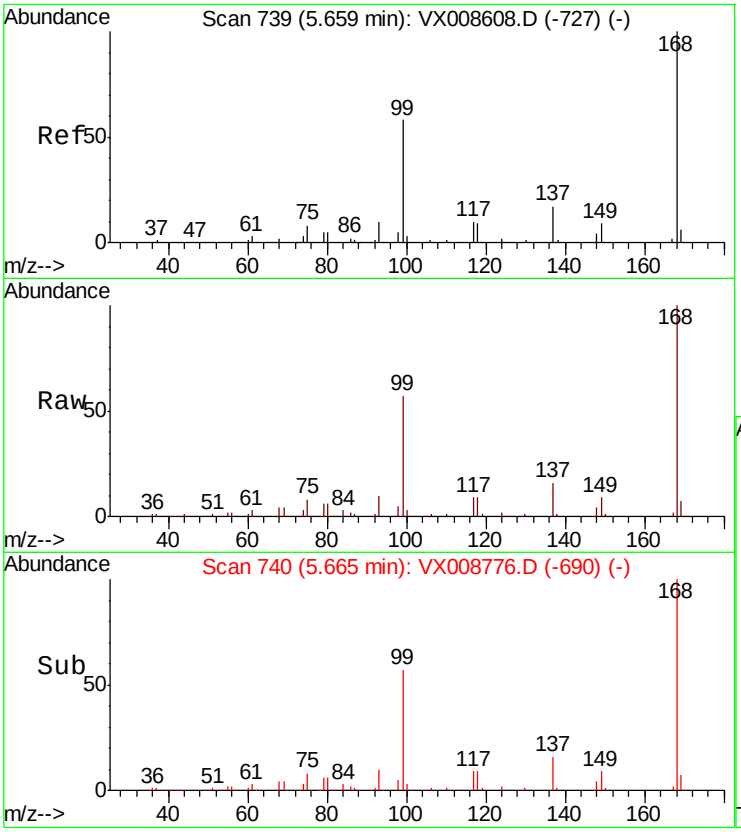
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
Data File : VX008776.D
Acq On : 09 Apr 2019 17:22
Operator : JC/SP
Sample : K2311-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 10 06:38:34 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



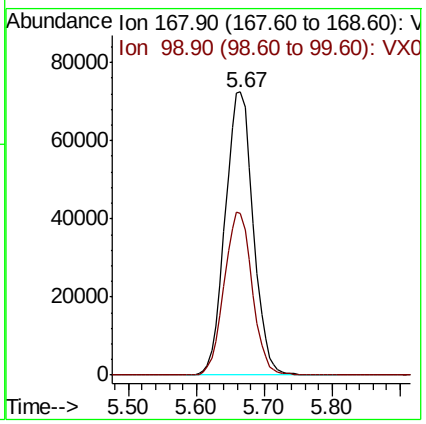


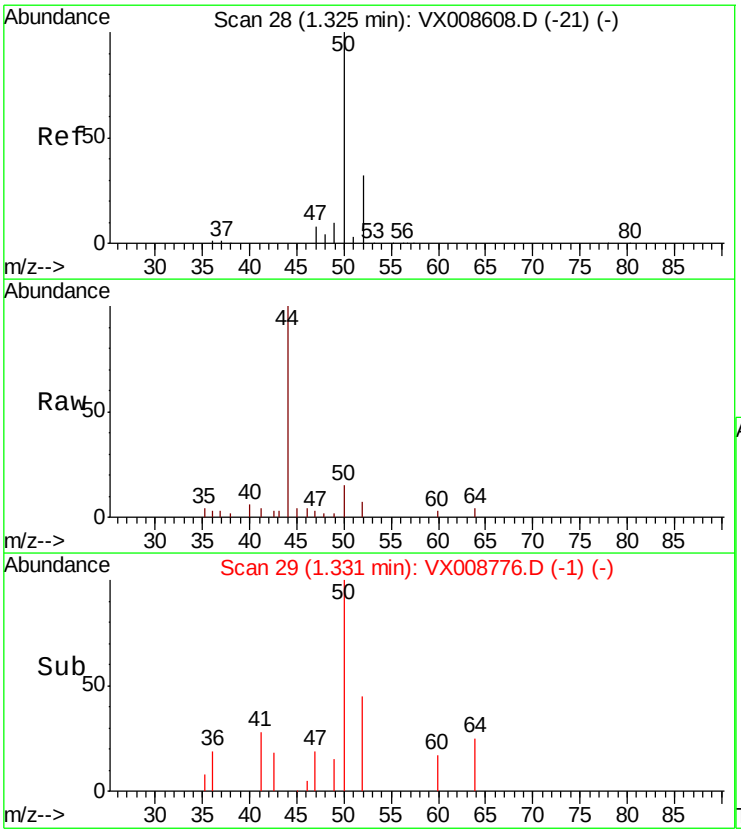

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion:168 Resp: 207288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 46.7 | 70.1 |

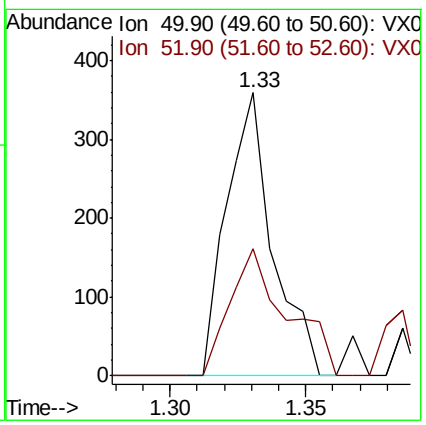


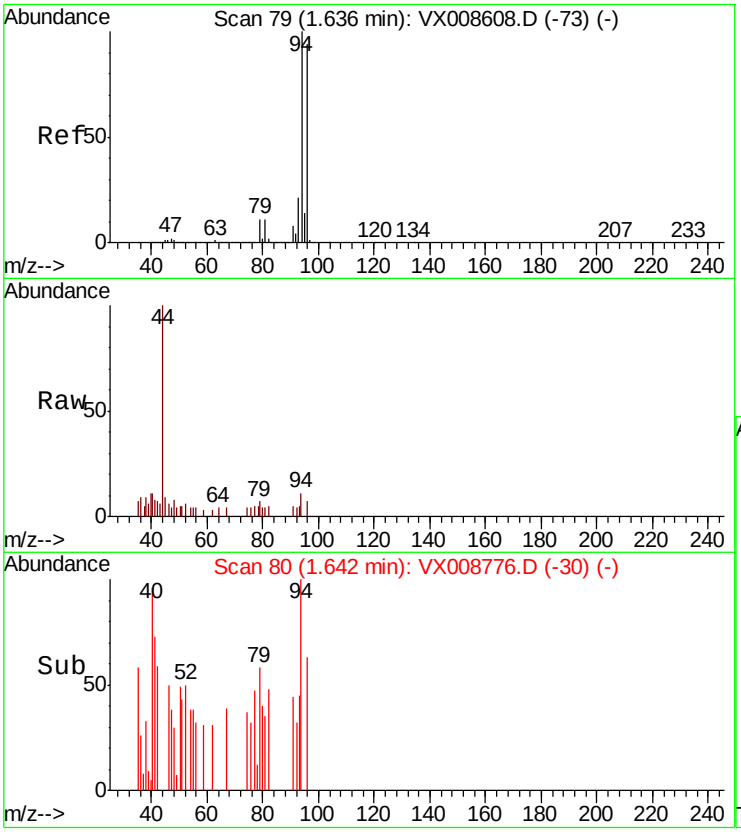




#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 50 Resp: 420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 44.8 | 25.8 | 38.8# |



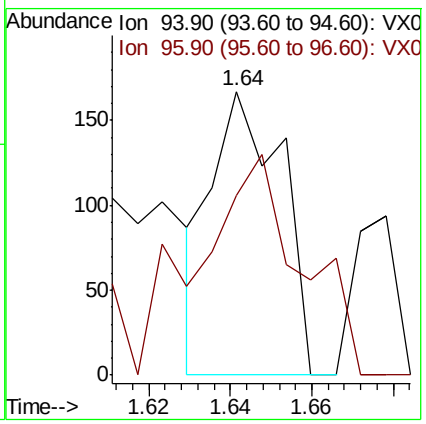


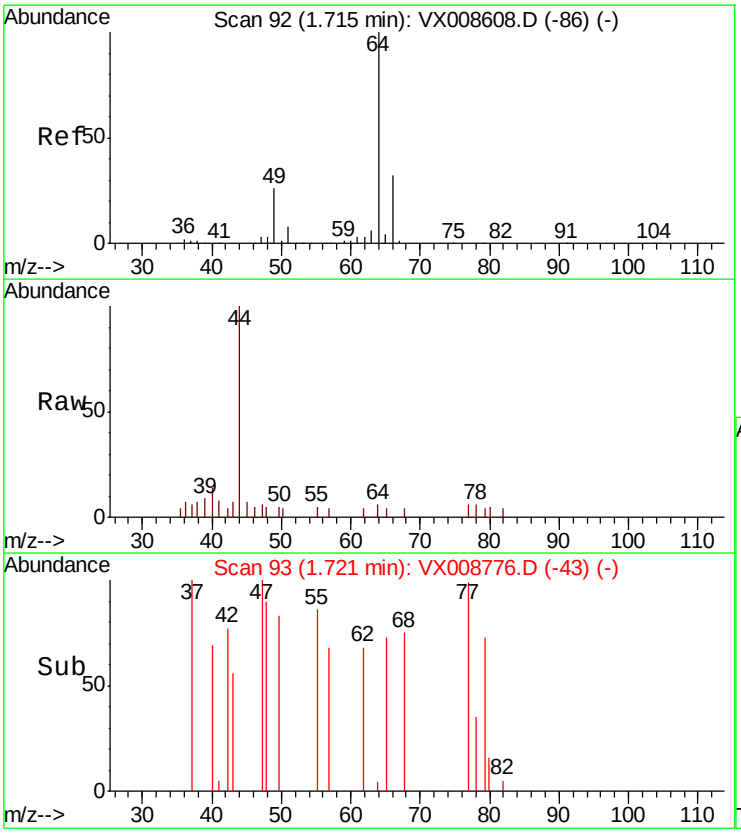

#5
Bromomethane
Concen: 2.005 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 94 Resp: 198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 32.3 | 75.2 | 112.8# |

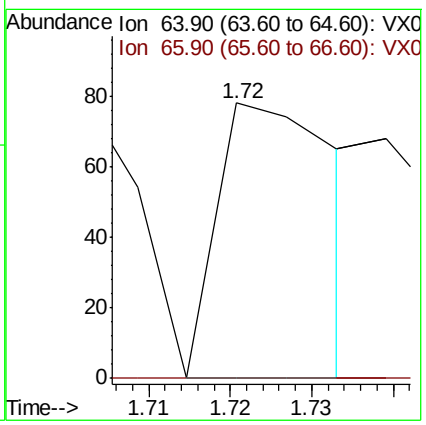


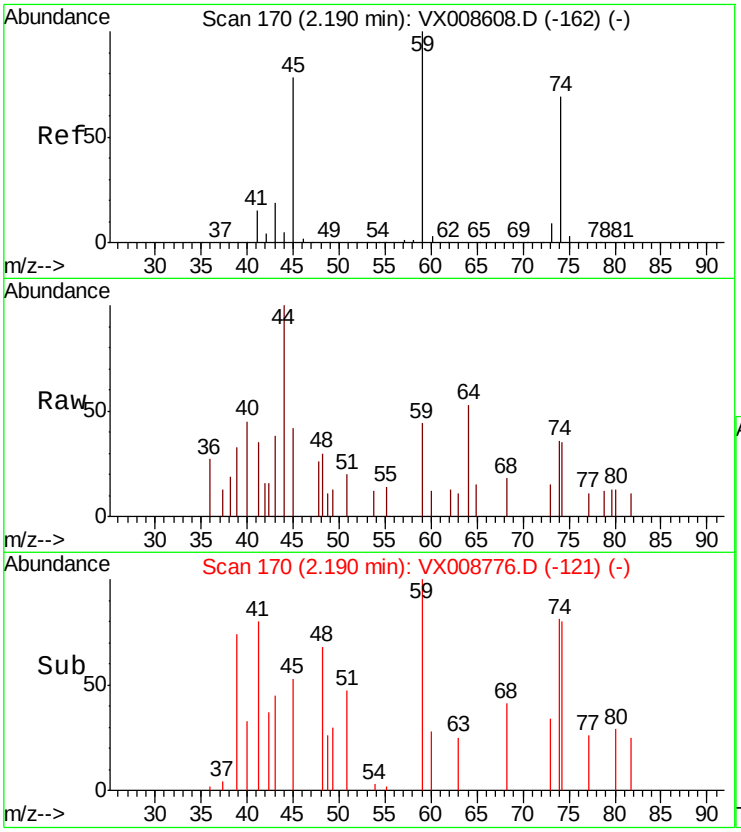




#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 64 Resp: 79

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.4 | 38.0# |



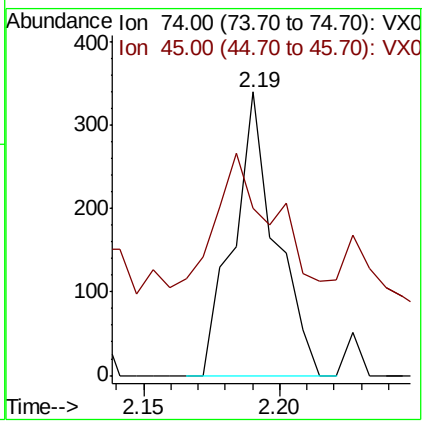


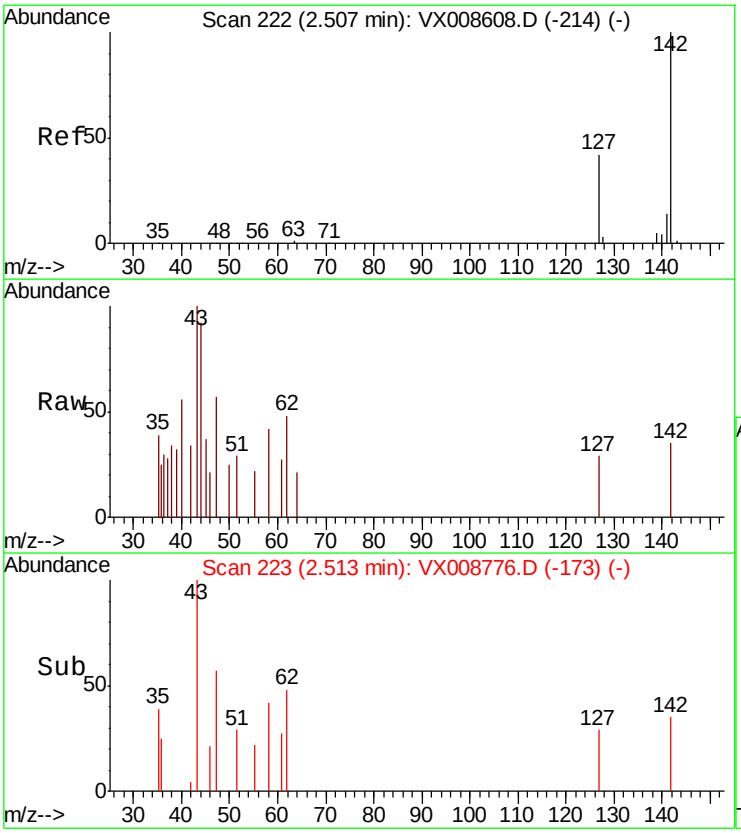

#8
Diethyl Ether
Concen: 0.214 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 74 Resp: 362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 120.4 | 56.5 | 169.5 |

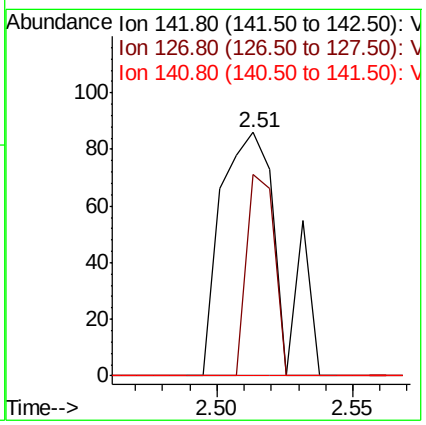


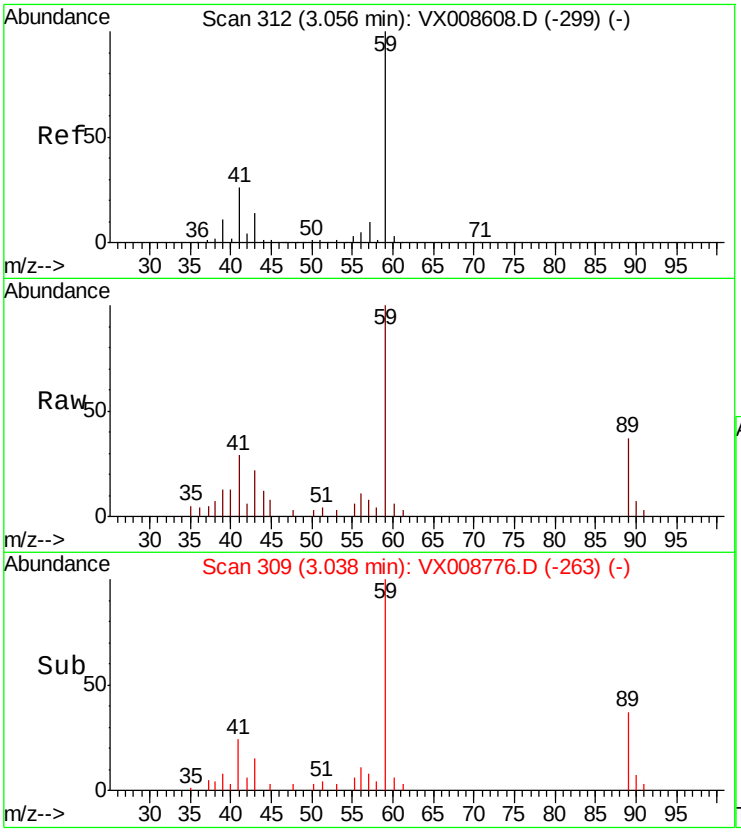




#10
Methyl Iodide
Concen: 4.061 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:142 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 38.2 | 33.0 | 49.6 |
| 141 | 0.0 | 11.4 | 17.2# |



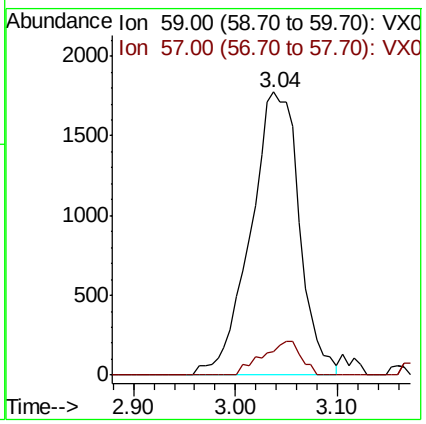


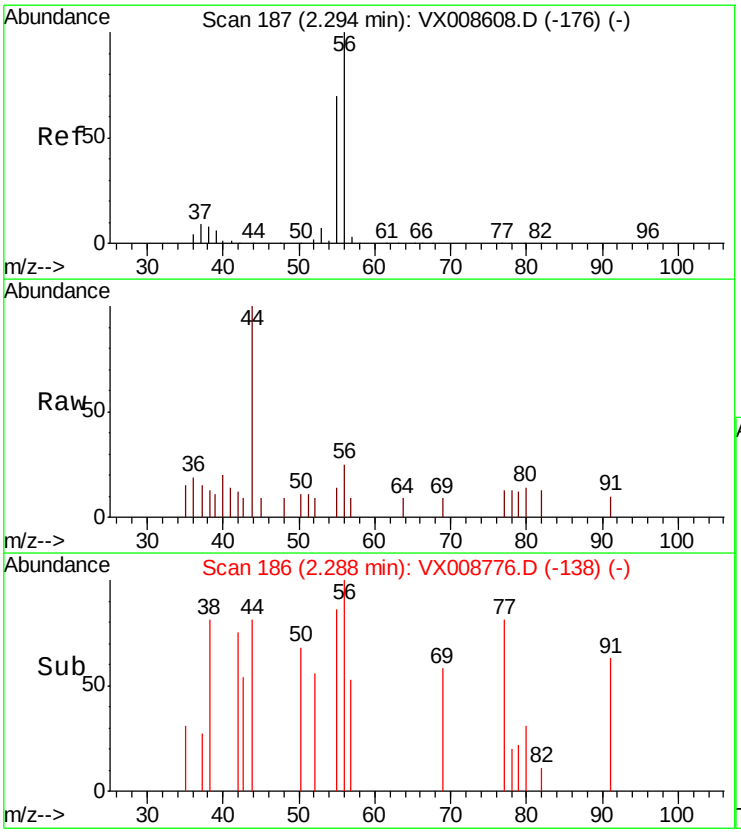

#11
Tert butyl alcohol
Concen: 8.310 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 59 Resp: 5882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.4 | 8.3 | 12.5 |

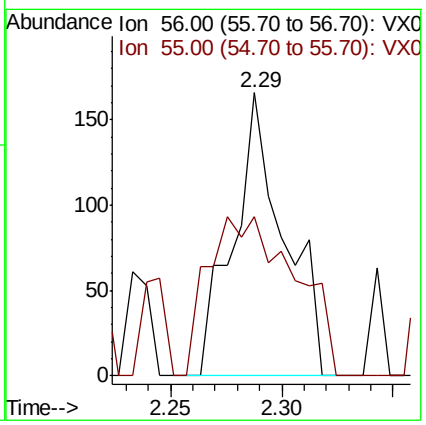


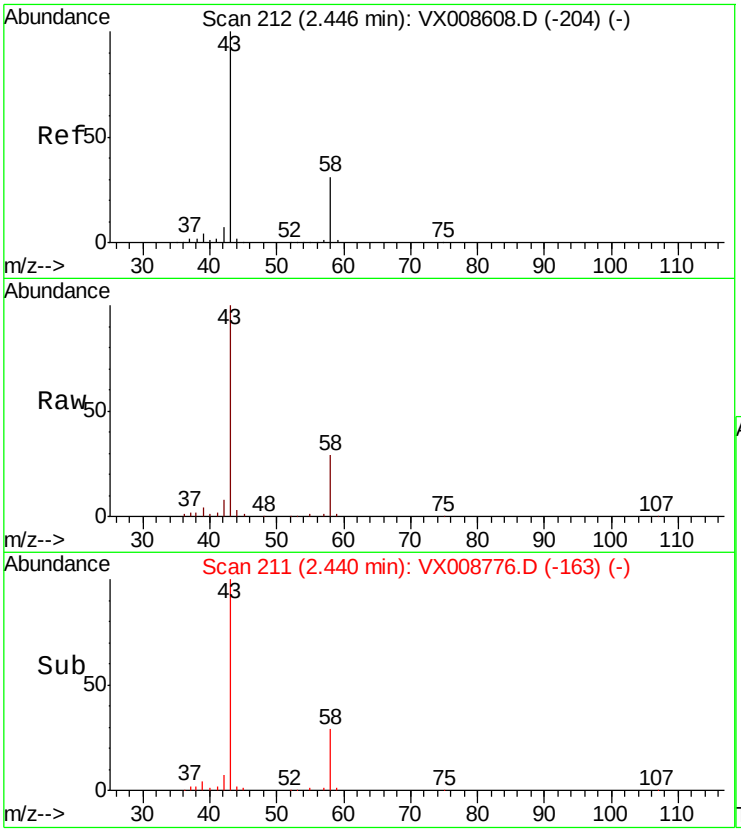




#13
Acrolein
Concen: 0.746 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 56 Resp: 262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 97.3 | 58.0 | 87.0# |



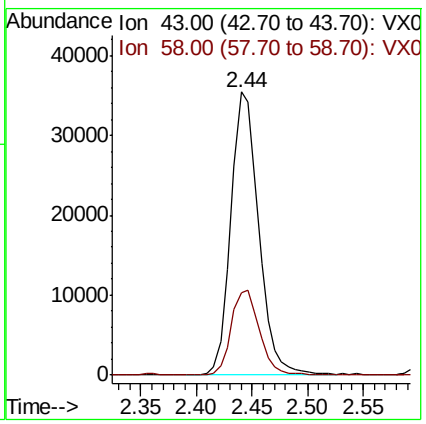


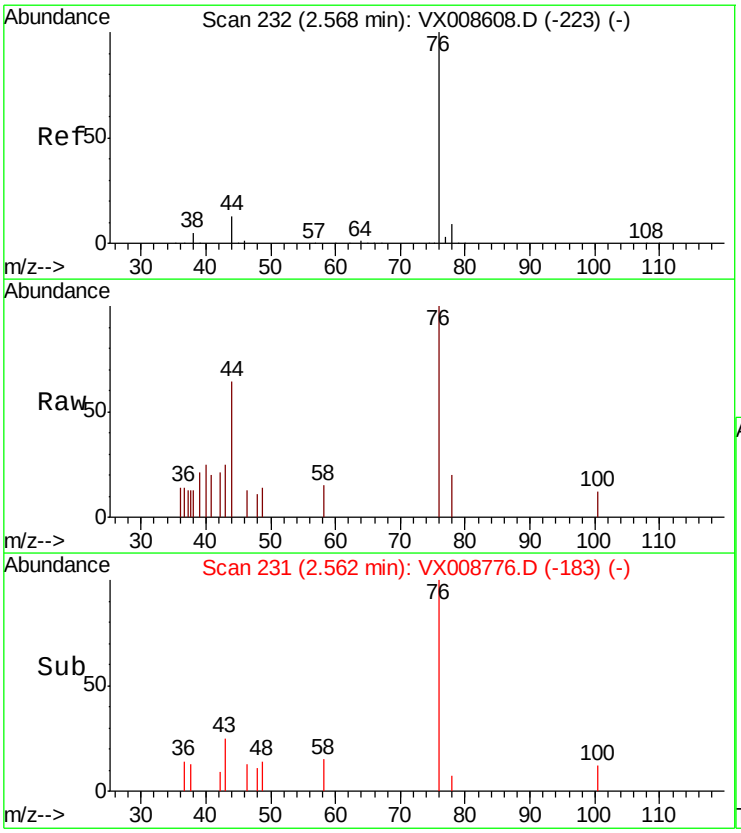

#16
Acetone
Concen: 35.113 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 43 Resp: 61145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 24.8 | 37.2 |

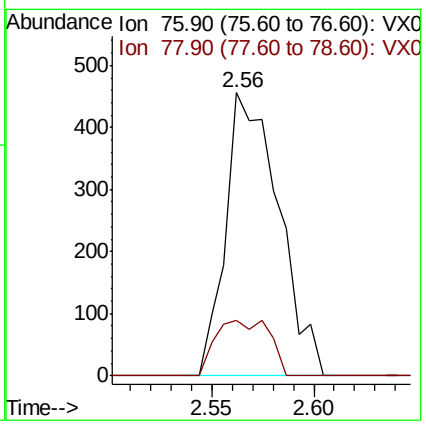


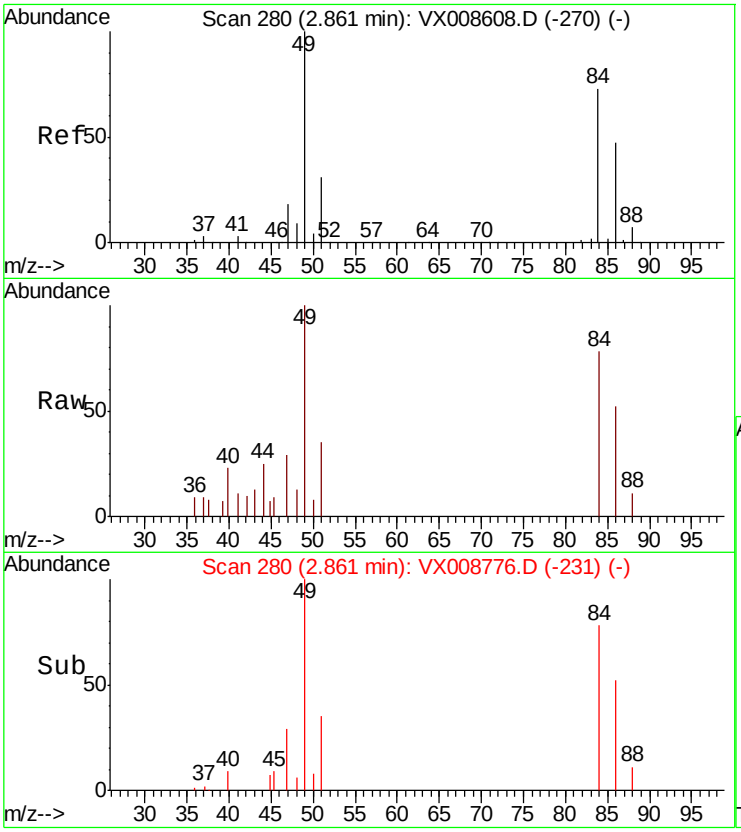




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 76 Resp: 820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 19.7 | 7.1 | 10.7# |



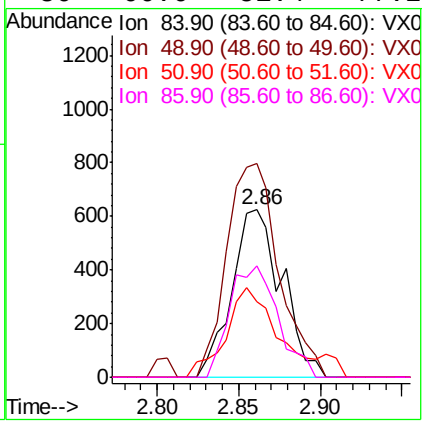


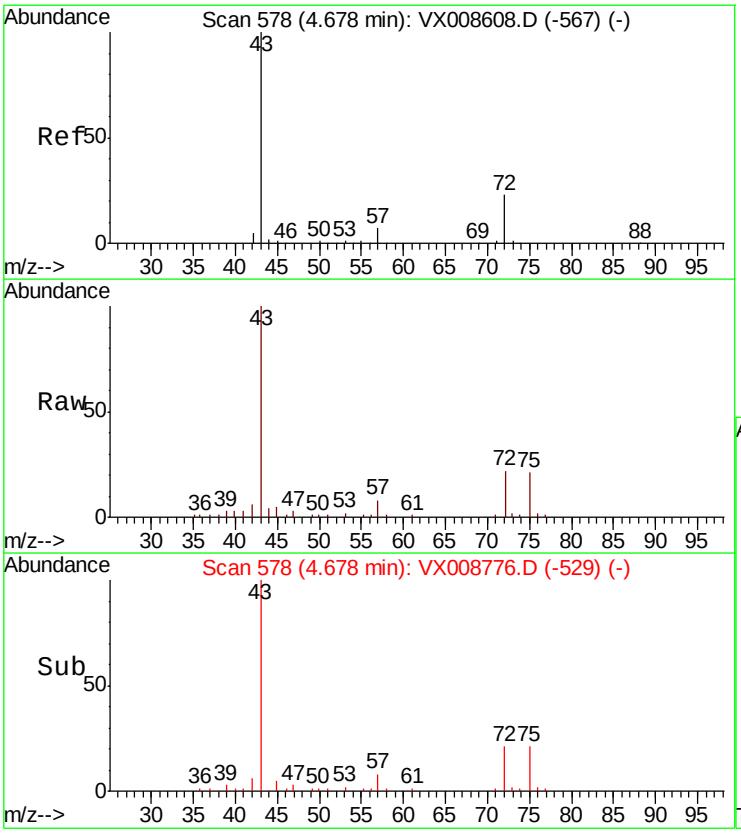

#20
Methylene Chloride
Concen: 0.458 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 84 Resp: 1336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.5 | 109.7 | 164.5 |
| 51 | 45.0 | 33.6 | 50.4 |
| 86 | 66.6 | 51.4 | 77.2 |

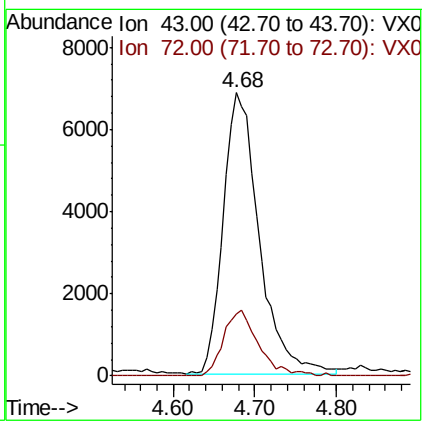


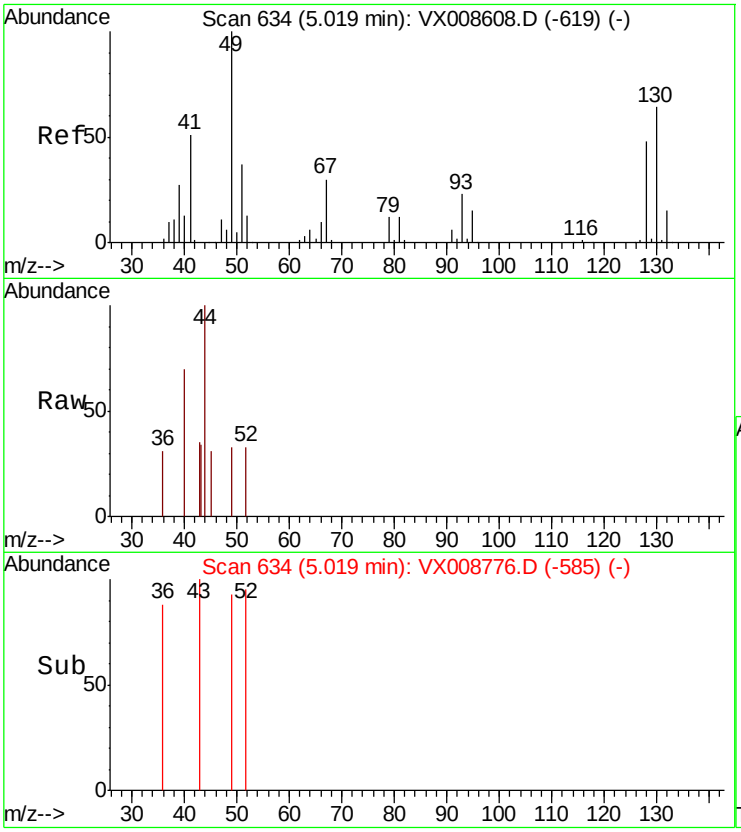




#25
2-Butanone
Concen: 7.571 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 43 Resp: 20837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.8 | 18.2 | 27.4 |



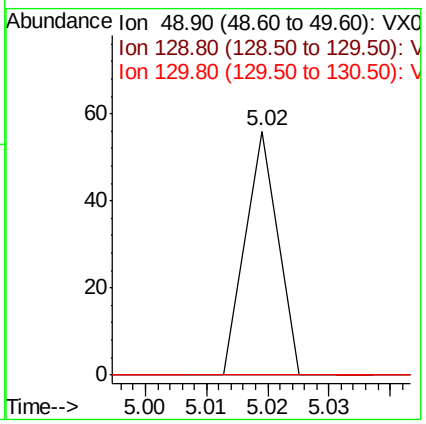


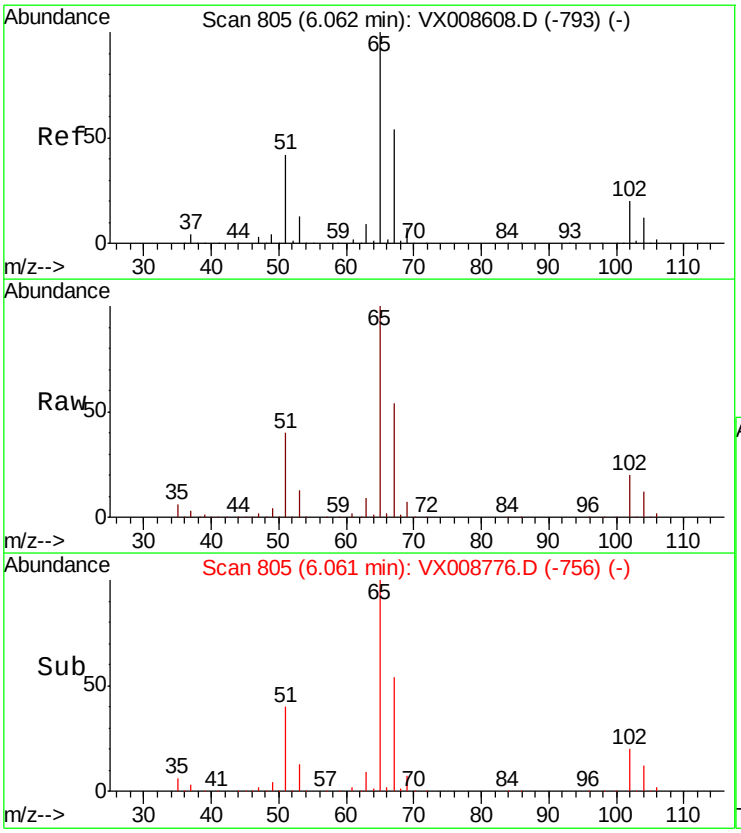

#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

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# |

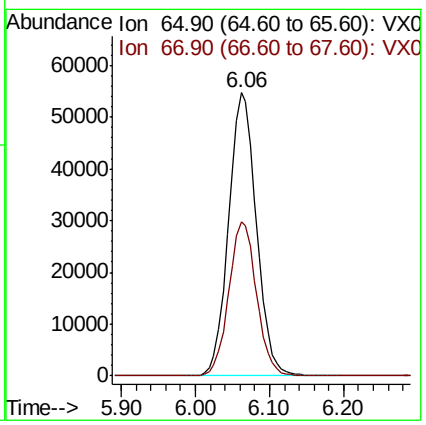


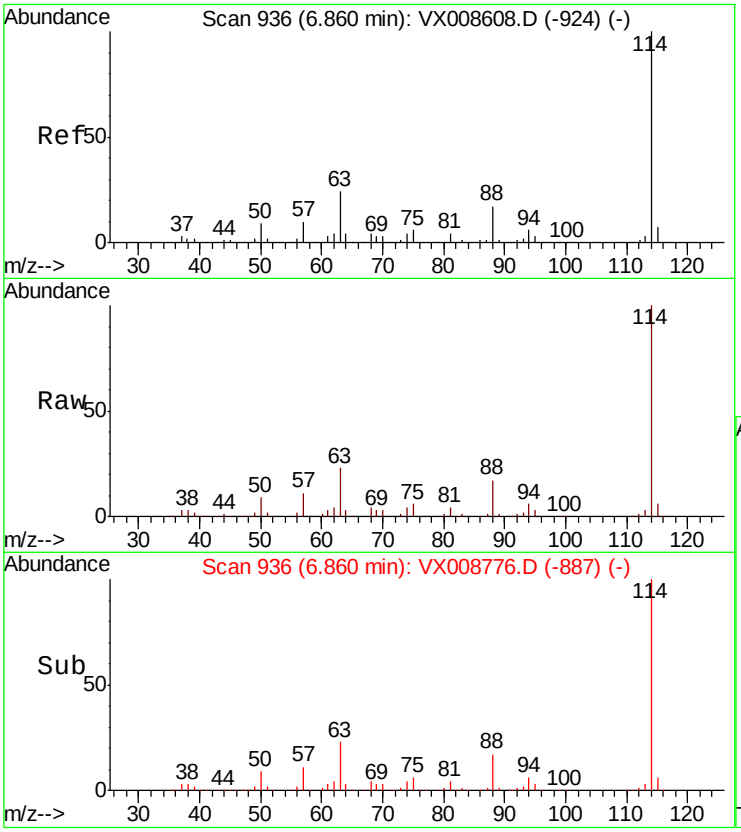




#33
1,2-Dichloroethane-d4
Concen: 47.347 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 65 Resp: 143151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.3 | 0.0 | 107.2 |



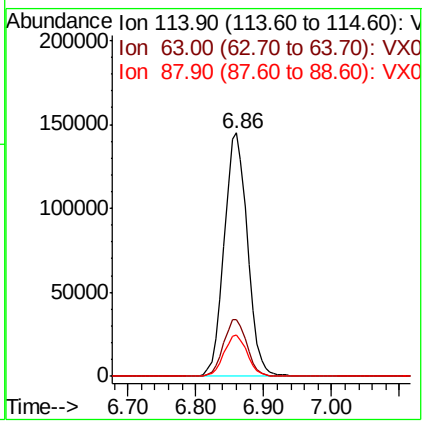


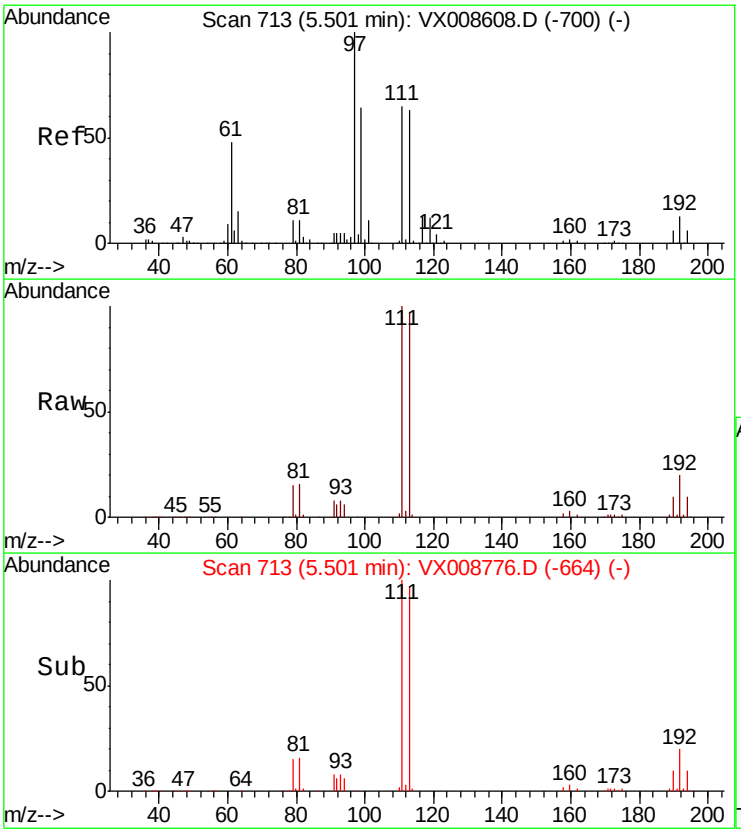

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion:114 Resp: 343402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.2 | 0.0 | 47.2 |
| 88 | 17.1 | 0.0 | 34.0 |

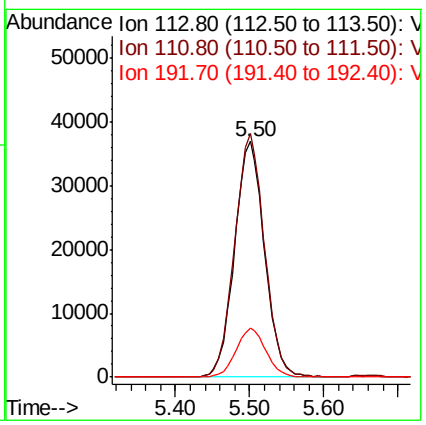


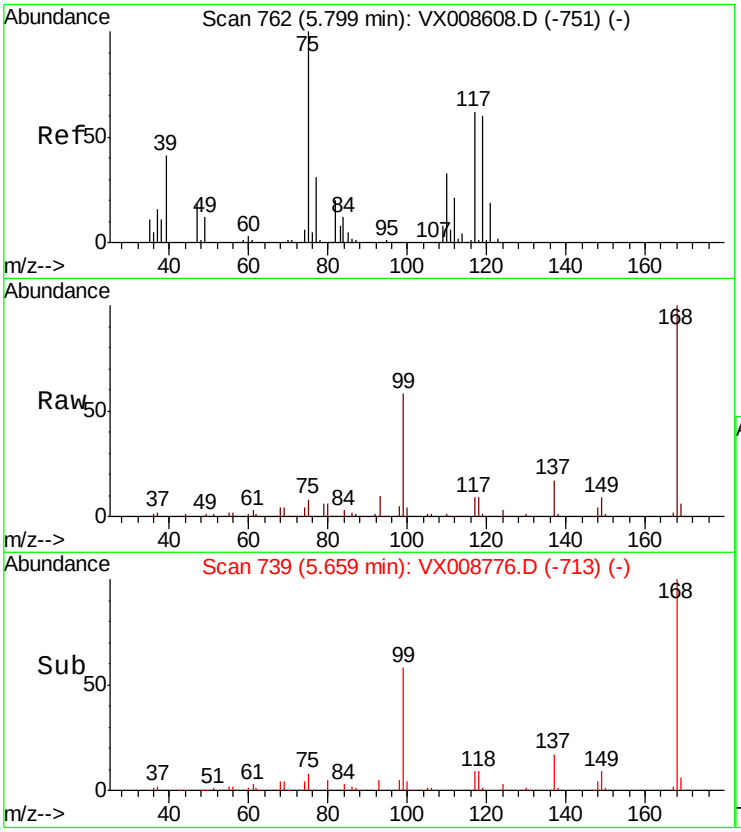




#35
Dibromofluoromethane
Concen: 47.592 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:113 Resp: 104492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.4 | 125.2 |
| 192 | 20.5 | 16.1 | 24.1 |



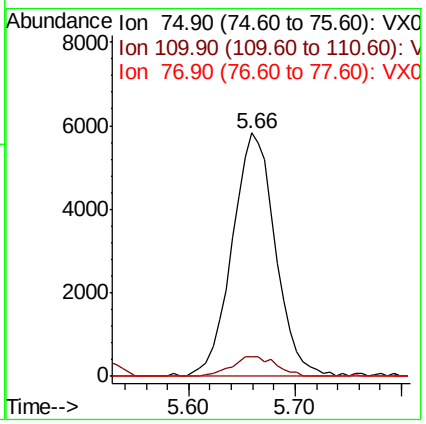


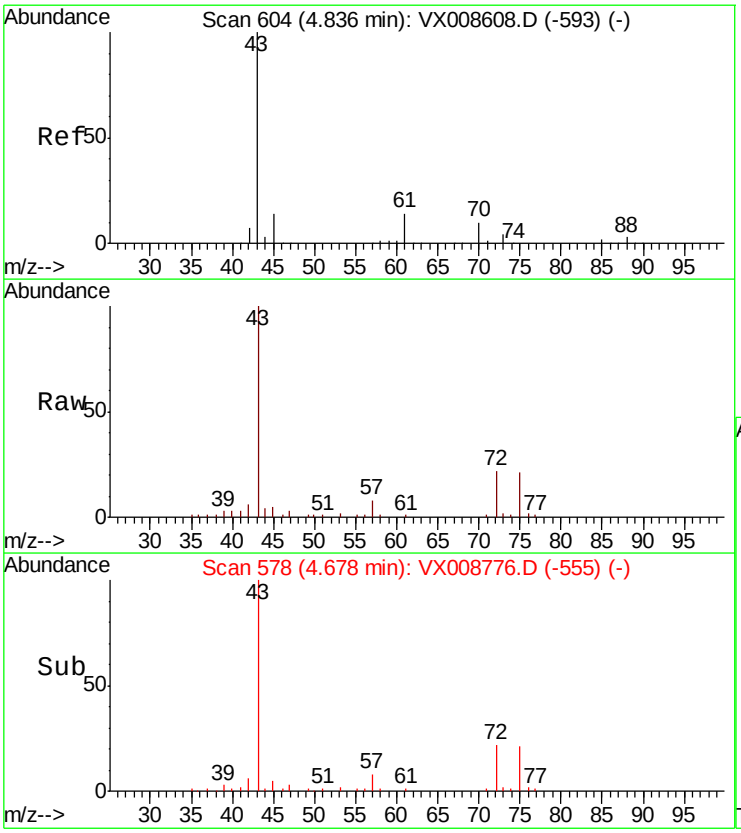

#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 75 Resp: 16575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.3 | 16.4 | 49.2# |
| 77 | 0.0 | 24.7 | 37.1# |

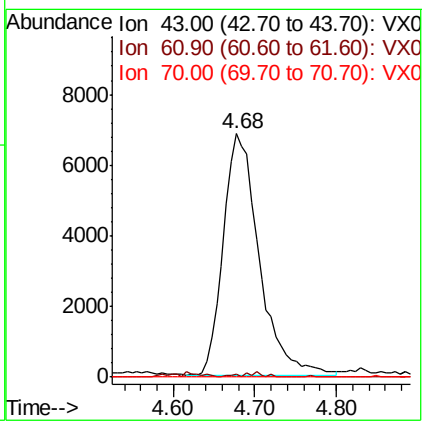


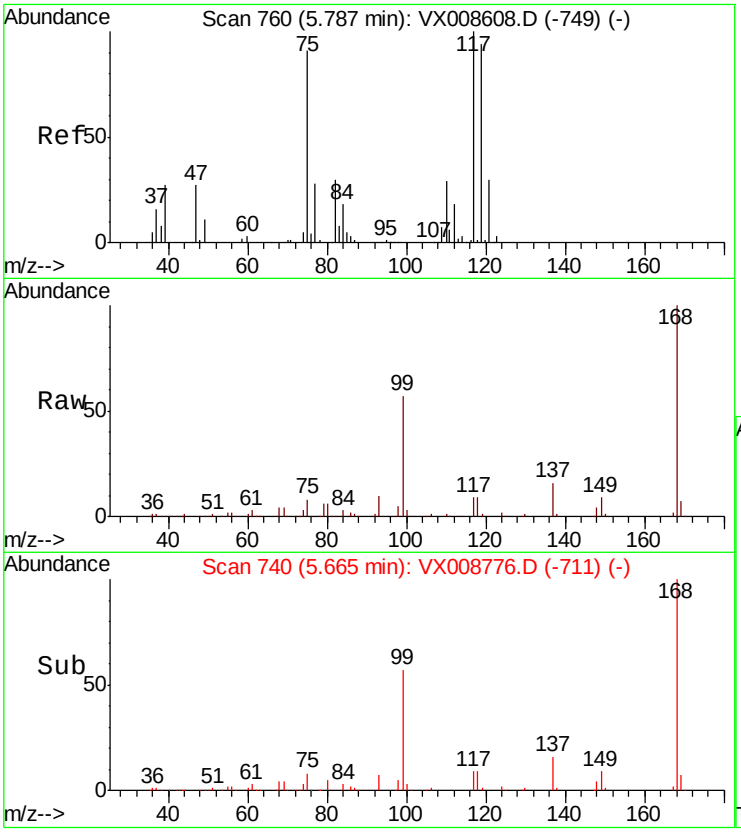




#37
Ethyl Acetate
Concen: 4.159 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.16 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 43 Resp: 20837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.3 | 10.3 | 15.5# |
| 70 | 0.0 | 7.6 | 11.4# |



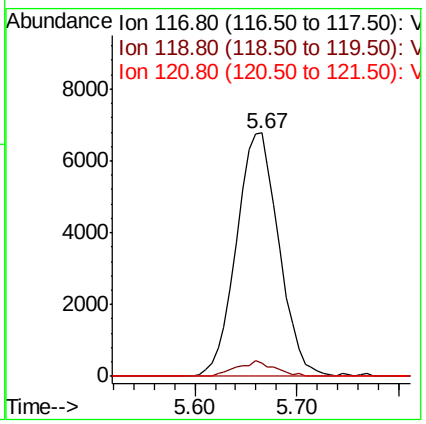


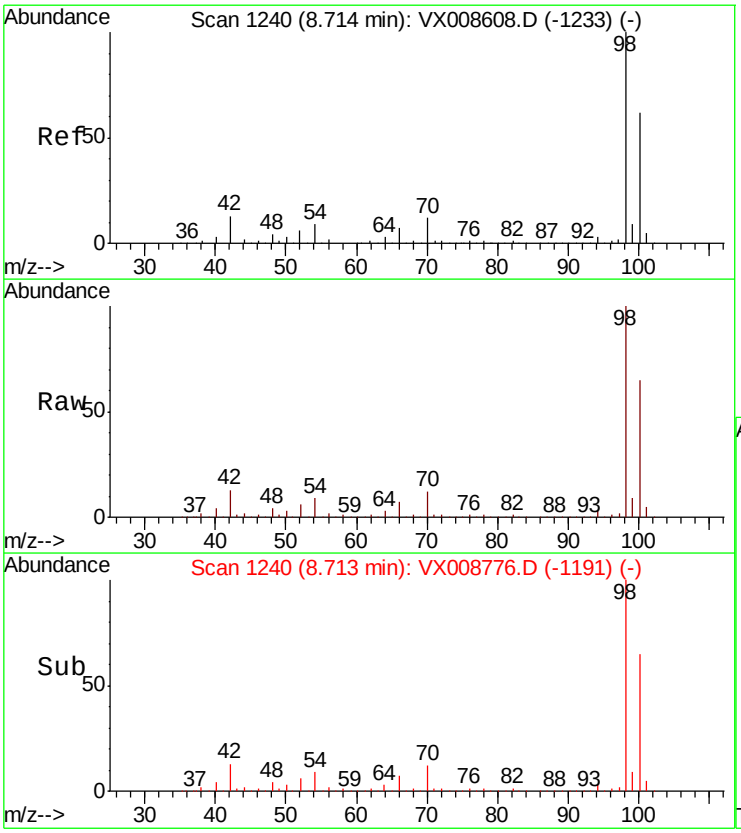

#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion:117 Resp: 19590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.4 | 75.0 | 112.6# |
| 121 | 0.0 | 24.3 | 36.5# |

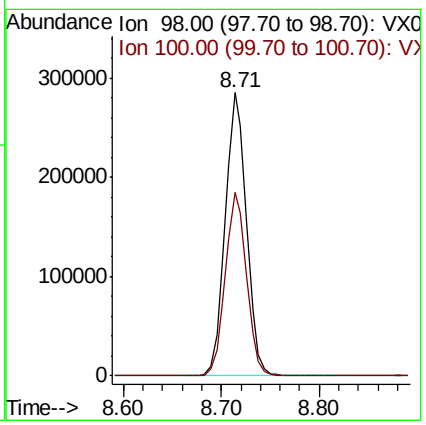


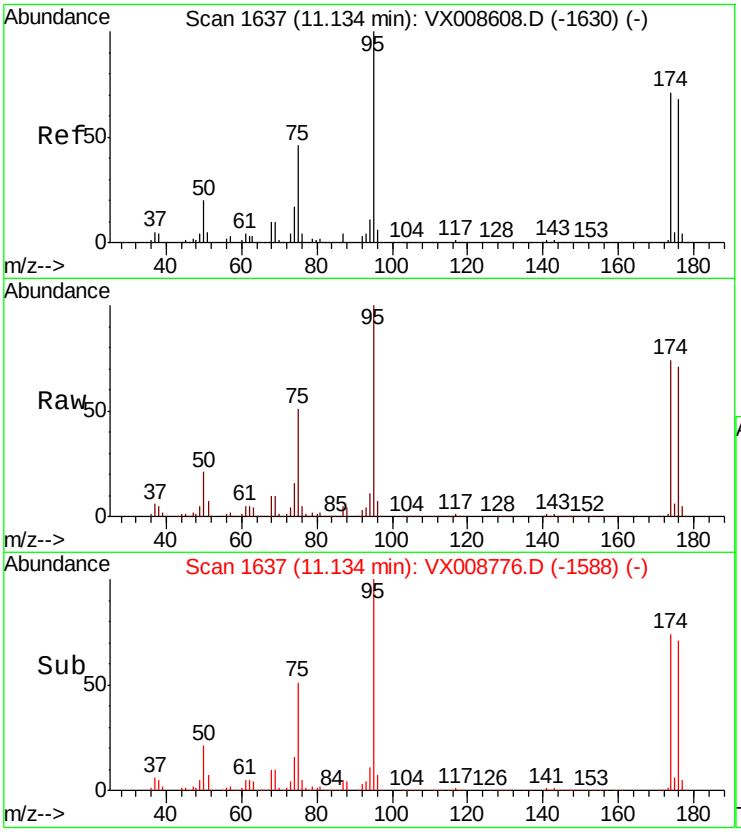




#50
Toluene-d8
Concen: 49.133 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 98 Resp: 429532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.4 | 77.0 |



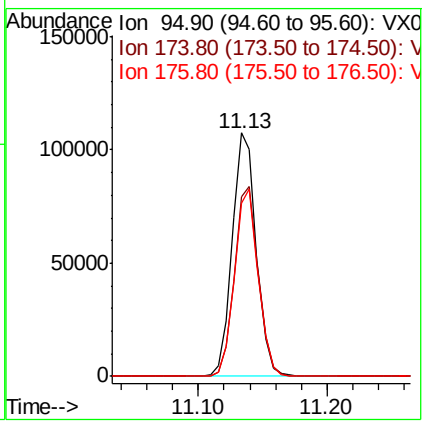


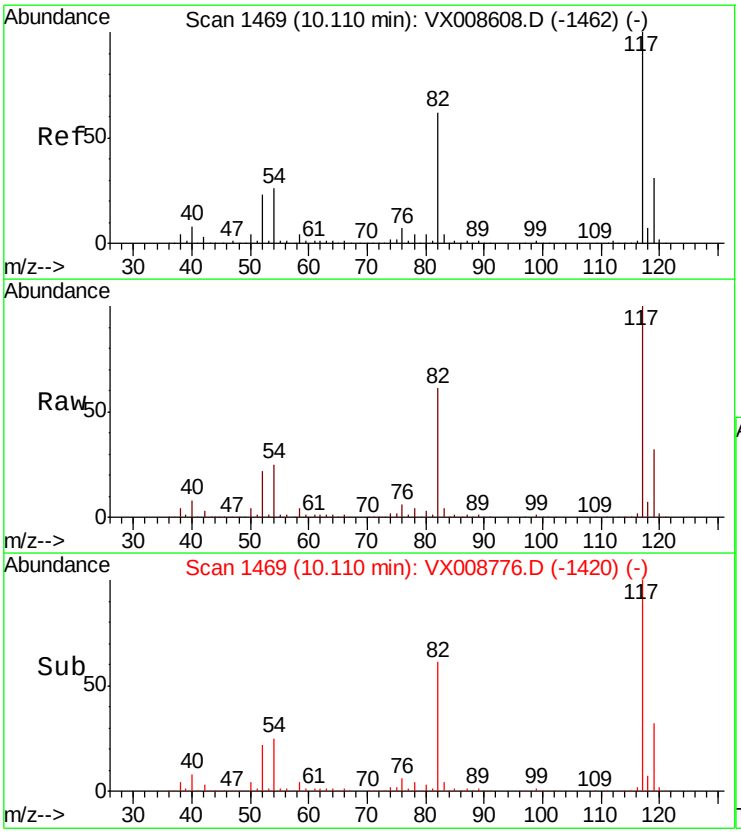

#62
4-Bromofluorobenzene
Concen: 45.085 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 95 Resp: 139770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.4 | 0.0 | 151.8 |
| 176 | 75.6 | 0.0 | 145.8 |

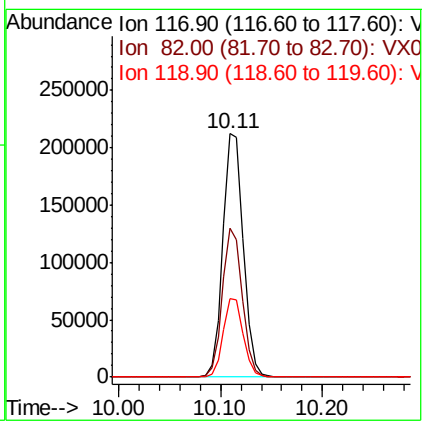


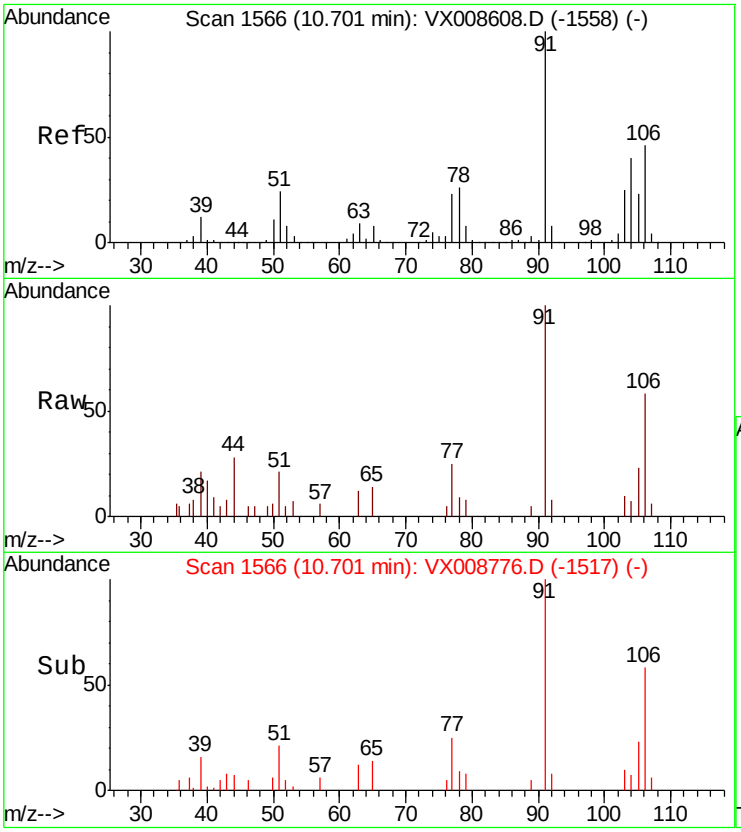




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:117 Resp: 293774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.1 | 49.6 | 74.4 |
| 119 | 32.2 | 25.0 | 37.4 |



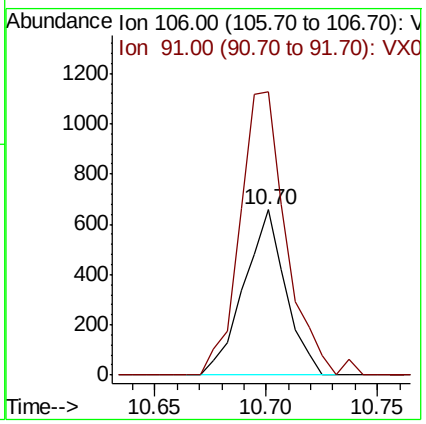


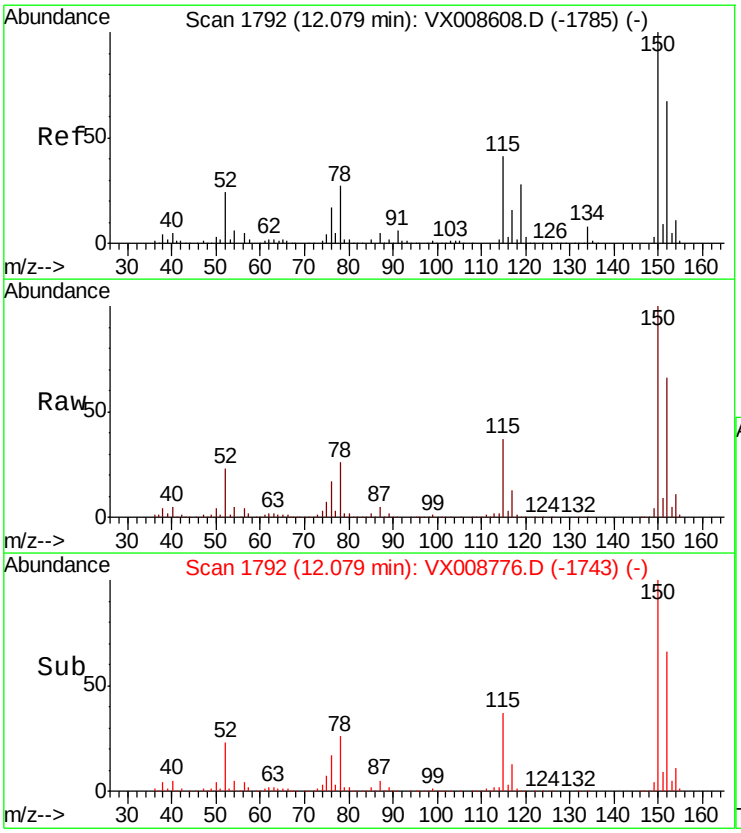

#69
o-Xylene
Concen: 0.203 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion:106 Resp: 859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 191.0 | 111.5 | 334.4 |

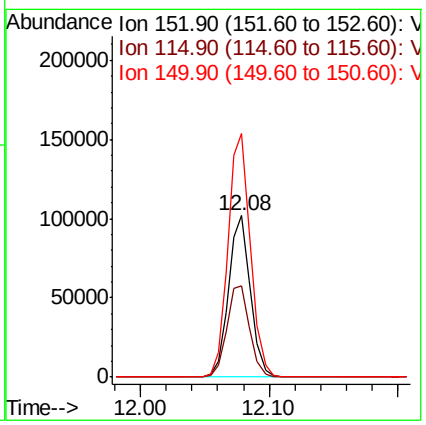


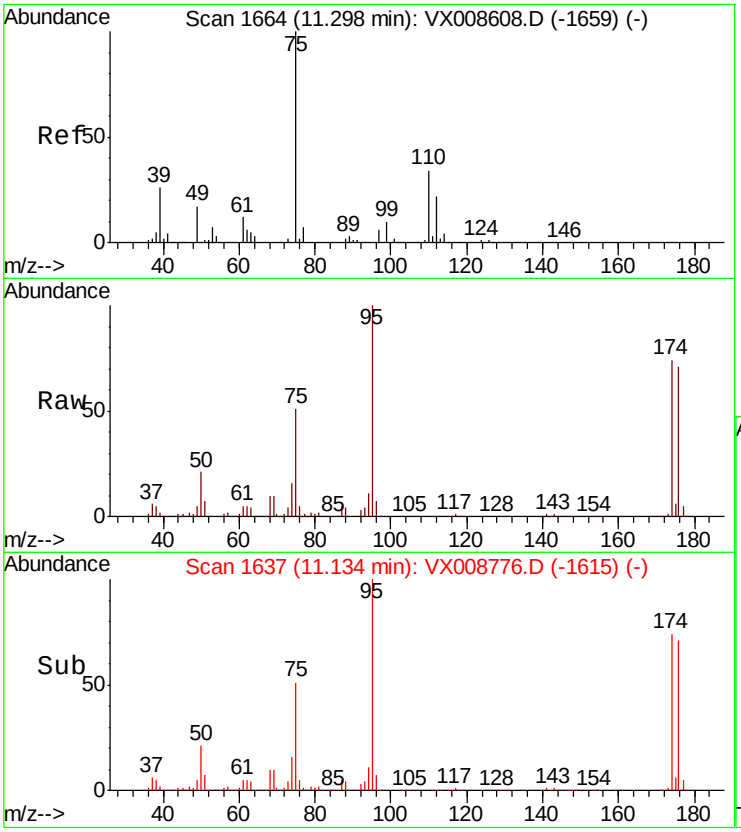




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:152 Resp: 121082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 43.5 | 130.5 |
| 150 | 155.1 | 0.0 | 348.8 |



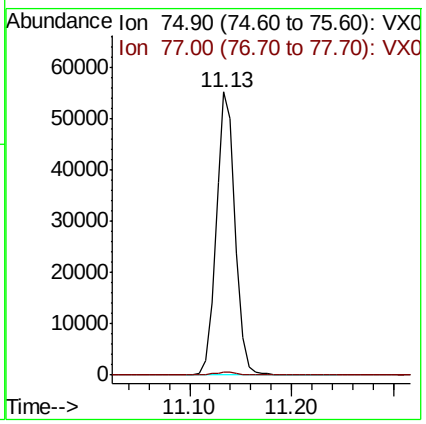


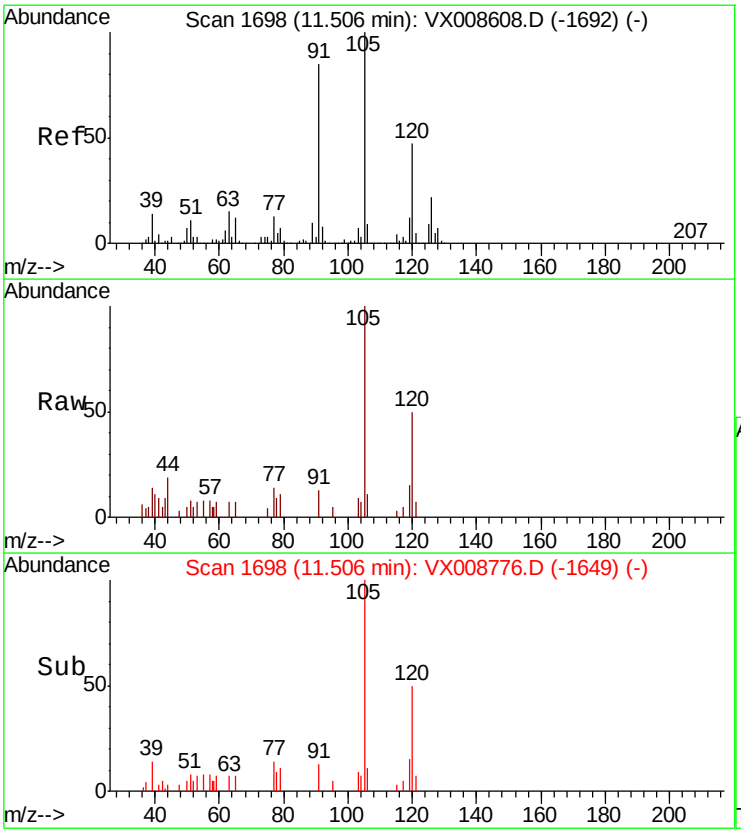

#76
1,2,3-Trichloropropane
Concen: 21.373 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 75 Resp: 71093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 22.3 | 66.8# |

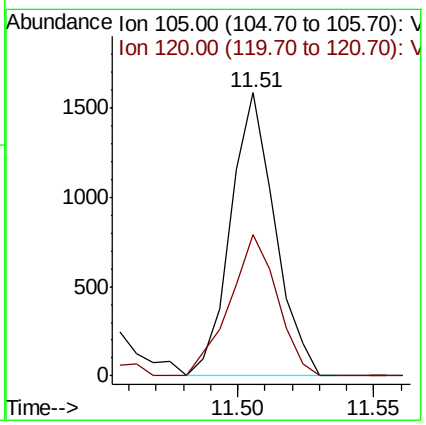


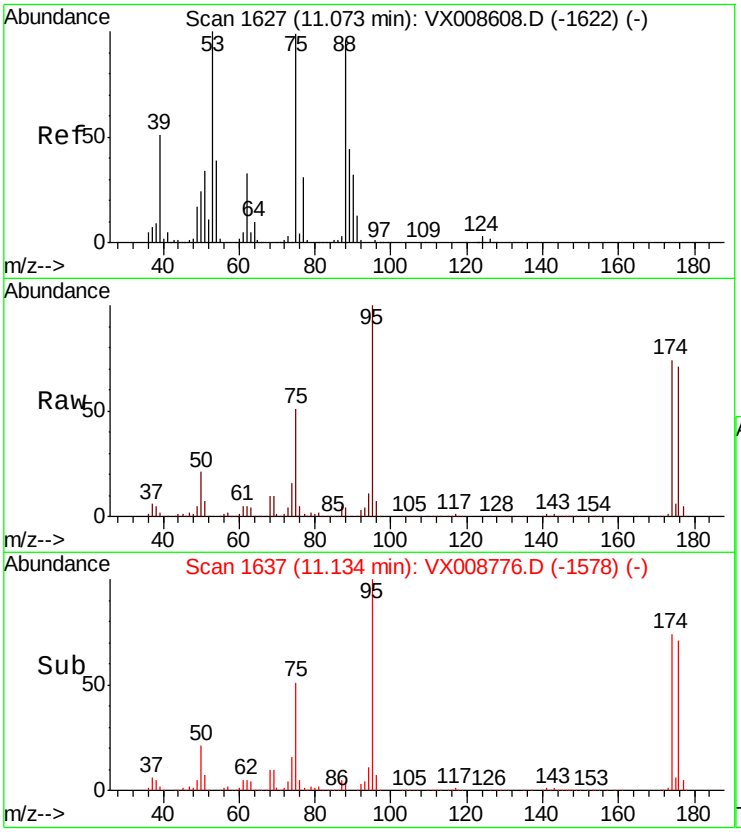




#80
1,3,5-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:105 Resp: 1781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 53.8 | 23.5 | 70.6 |



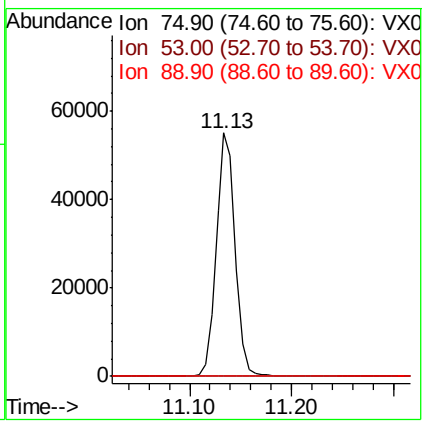


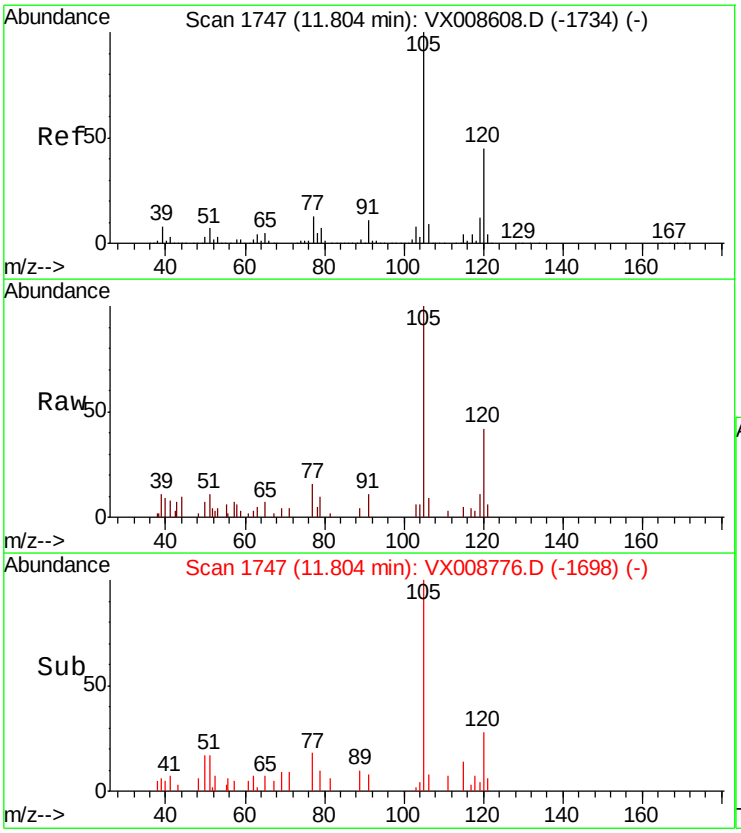

#81
trans-1,4-Dichloro-2-butene
Concen: 58.917 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion: 75 Resp: 71093

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

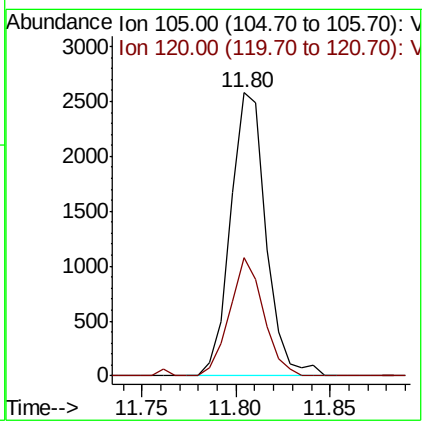


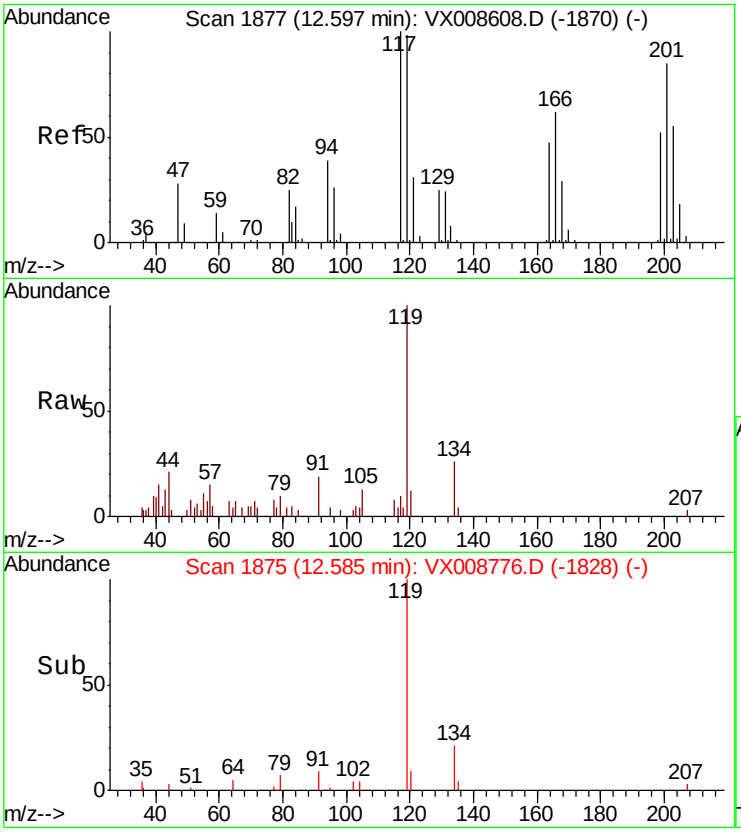




#84
1,2,4-Trimethylbenzene
Concen: 0.394 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:105 Resp: 3363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 39.9 | 21.8 | 65.3 |



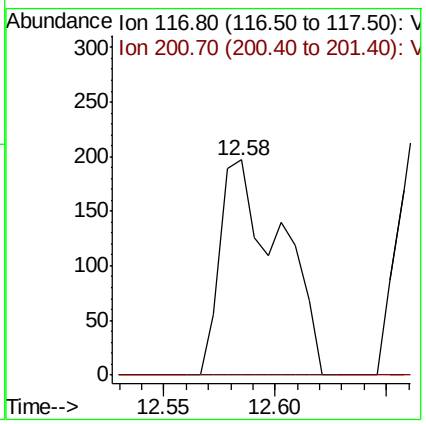


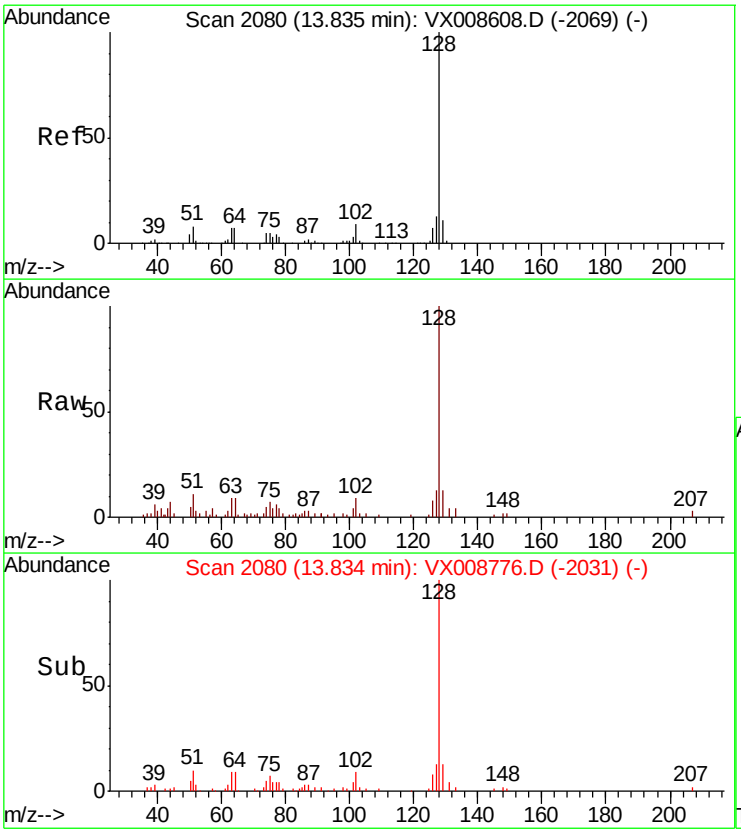

#90
Hexachloroethane
Concen: 0.256 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

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

Tgt Ion:117 Resp: 367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 40.6 | 122.0# |




#95
Naphthalene
Concen: 0.791 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:128 Resp: 7877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.0 | 10.4 | 15.6# |
| 129 | 17.2 | 8.6 | 13.0# |