Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062018\
Data File : VX002752.D
Acq On : 20 Jun 2018 19:53
Operator : JC/MD
Sample : J3597-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jun 21 04:01:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 220378 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 307930 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 284380 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 164881 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 146278 | 43.68 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 87.36% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 120171 | 48.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 97.80% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 430017 | 46.08 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 92.16% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 153197 | 43.33 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 86.66% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 16645 | 5.98 | ug/l | # | 49 |
| 5) Bromomethane | 1.65 | 94 | 1104 | 0.63 | ug/l | | 81 |
| 6) Chloroethane | 1.93 | 64 | 1050 | 0.55 | ug/l | # | 61 |
| 10) Methyl Iodide | 2.51 | 142 | 1611 | 5.59 | ug/l | # | 95 |
| 11) Tert butyl alcohol | 3.07 | 59 | 895 | 1.29 | ug/l | # | 71 |
| 13) Acrolein | 2.30 | 56 | 191 | 7.44 | ug/l | # | 14 |
| 16) Acetone | 2.45 | 43 | 1176 | 0.80 | ug/l | | 91 |
| 17) Carbon Disulfide | 2.57 | 76 | 6096 | 1.04 | ug/l | # | 94 |
| 19) Methyl tert-butyl Ether | 3.20 | 73 | 5455 | 0.59 | ug/l | | 98 |
| 27) cis-1,2-Dichloroethene | 4.61 | 96 | 836 | 0.31 | ug/l | # | 1 |
| 29) Tetrahydrofuran | 5.19 | 42 | 297 | 0.23 | ug/l | # | 71 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 14971 | 4.58 | ug/l | # | 51 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 19922 | 6.12 | ug/l | # | 16 |
| 53) t-1,3-Dichloropropene | 8.56 | 75 | 42 | 2.40 | ug/l | # | 43 |
| 54) cis-1,3-Dichloropropene | 9.07 | 75 | 22 | 3.22 | ug/l | # | 1 |
| 60) Dibromochloromethane | 9.34 | 129 | 172 | 3.82 | ug/l | # | 11 |
| 65) Chlorobenzene | 10.14 | 112 | 2958 | 0.42 | ug/l | | 93 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 80709 | 25.94 | ug/l | # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 80709 | 80.24 | ug/l | # | 7 |
| 83) tert-Butylbenzene | 11.77 | 119 | 2496 | 0.28 | ug/l | | 93 |
| 90) Hexachloroethane | 12.76 | 117 | 150 | 2.72 | ug/l | # | 1 |

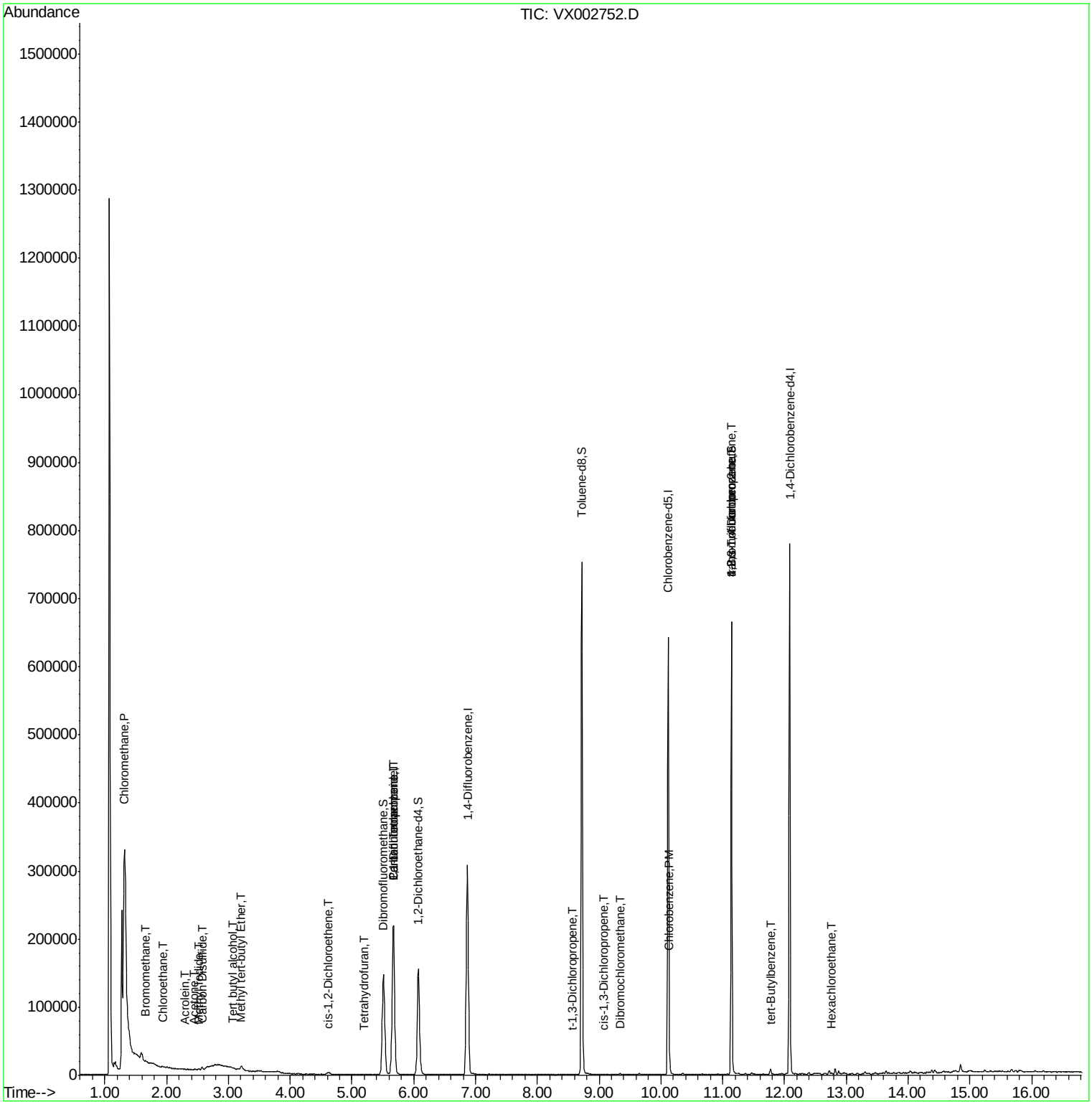
(#) = qualifier out of range (m) = manual integration (+) = signals summed

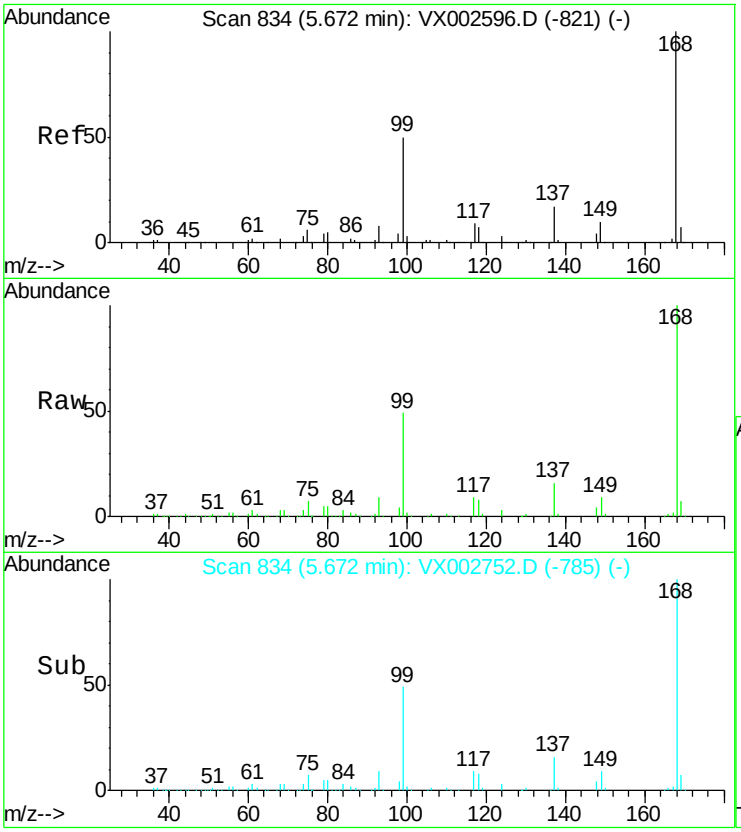
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002752.D
Acq On : 20 Jun 2018 19:53
Operator : JC/MD
Sample : J3597-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jun 21 04:01:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration



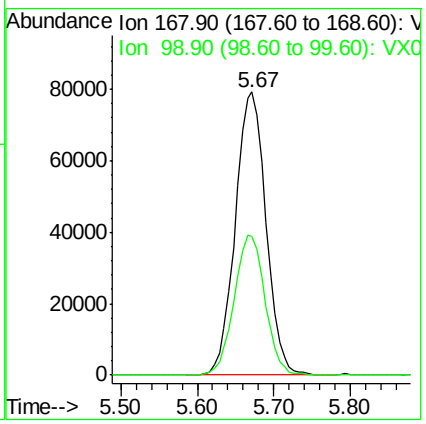


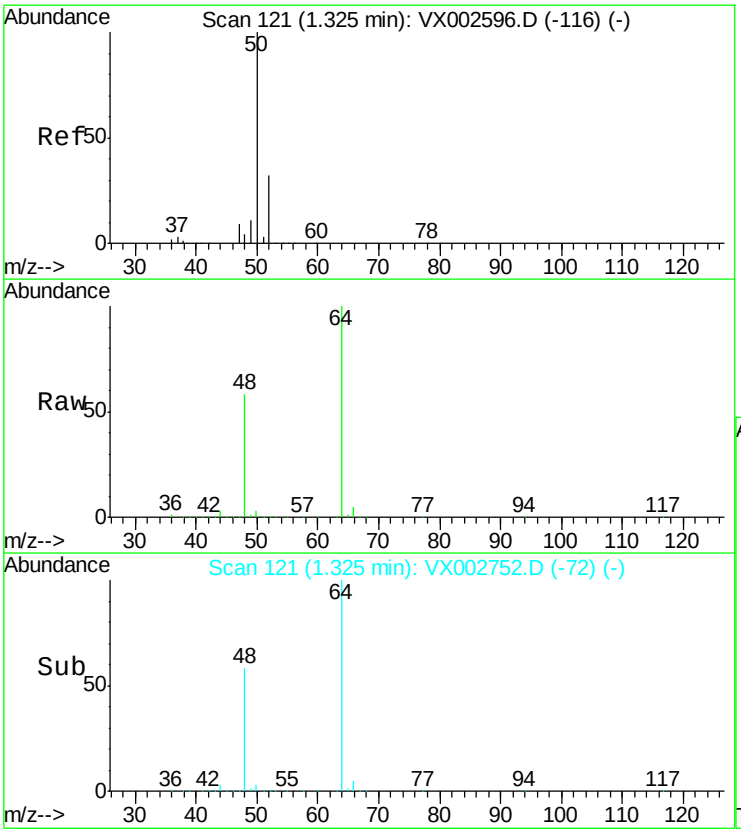

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:168 Resp: 220378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.2 | 39.3 | 58.9 |

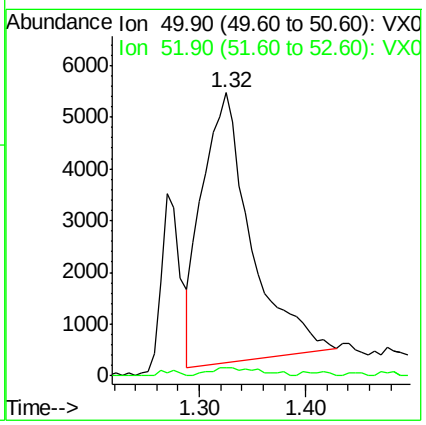


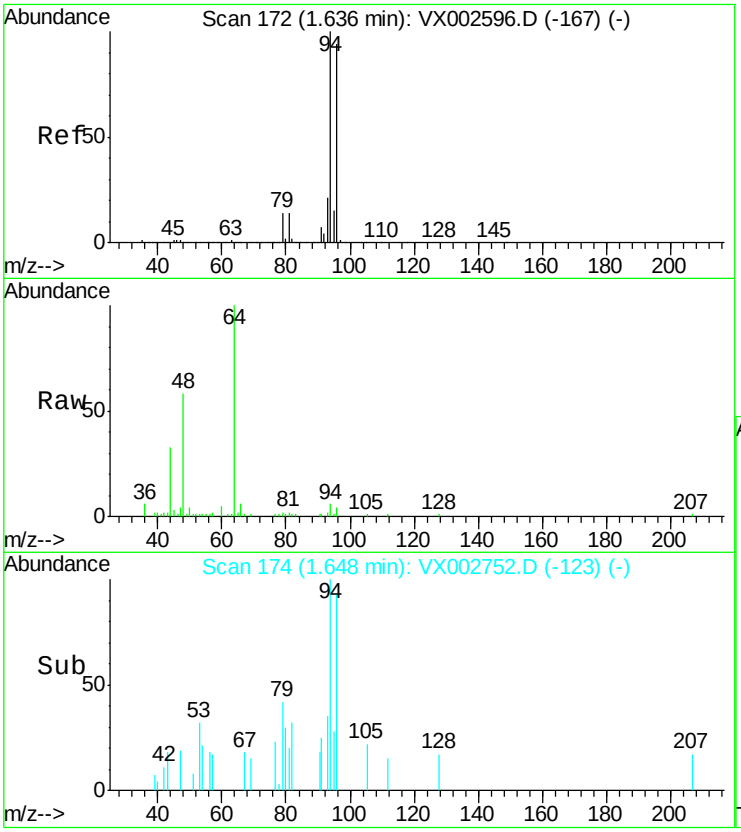




#3
Chloromethane
Concen: 5.98 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 50 Resp: 16645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 3.4 | 25.7 | 38.5# |



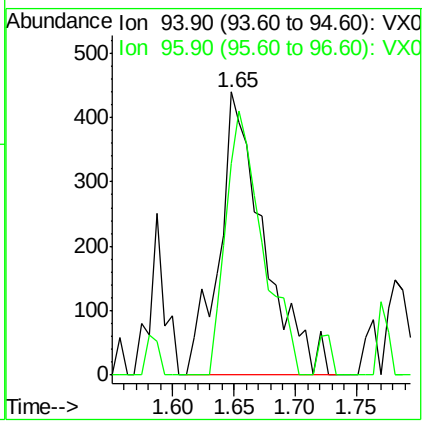


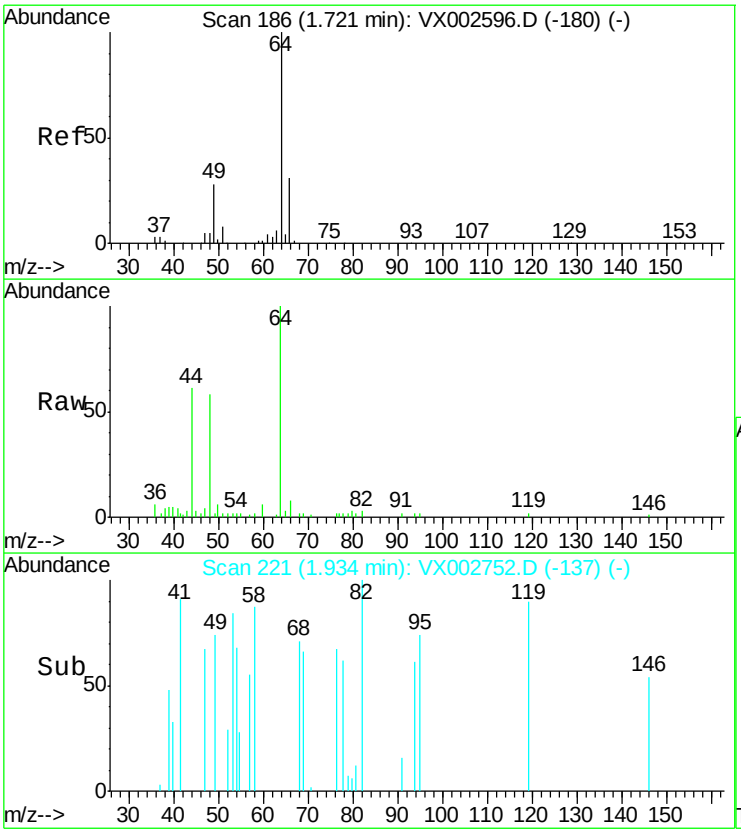

#5
Bromomethane
Concen: 0.63 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 94 Resp: 1104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 74.9 | 74.9 | 112.3 |

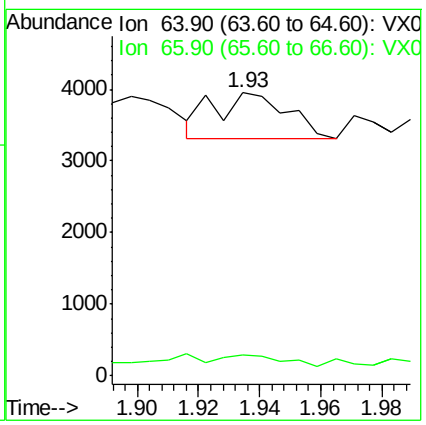


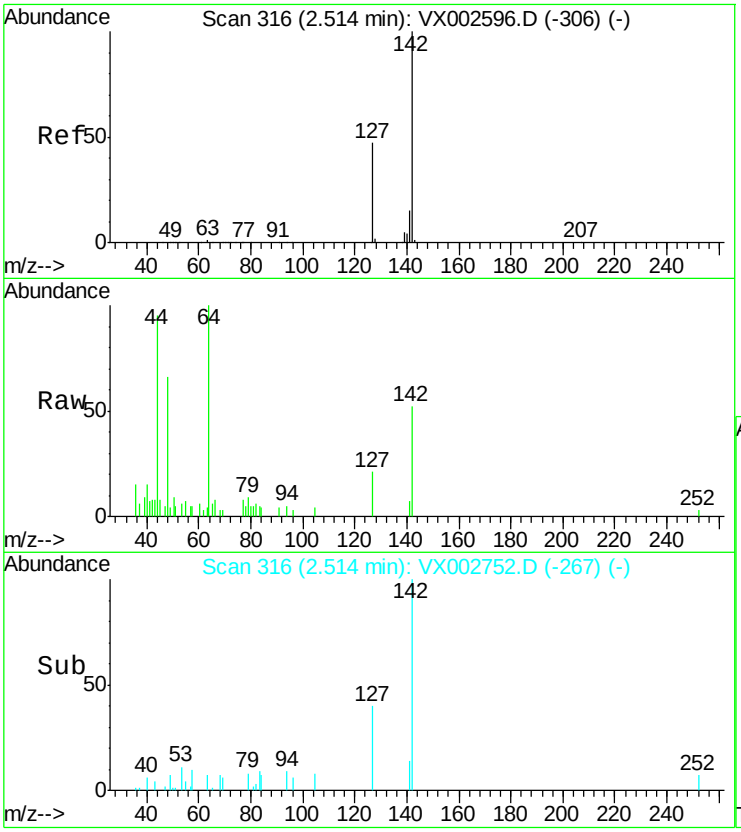




#6
Chloroethane
Concen: 0.55 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.21 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 64 Resp: 1050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 10.4 | 25.5 | 38.3# |



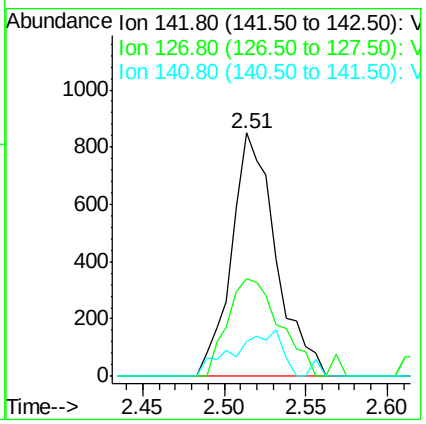


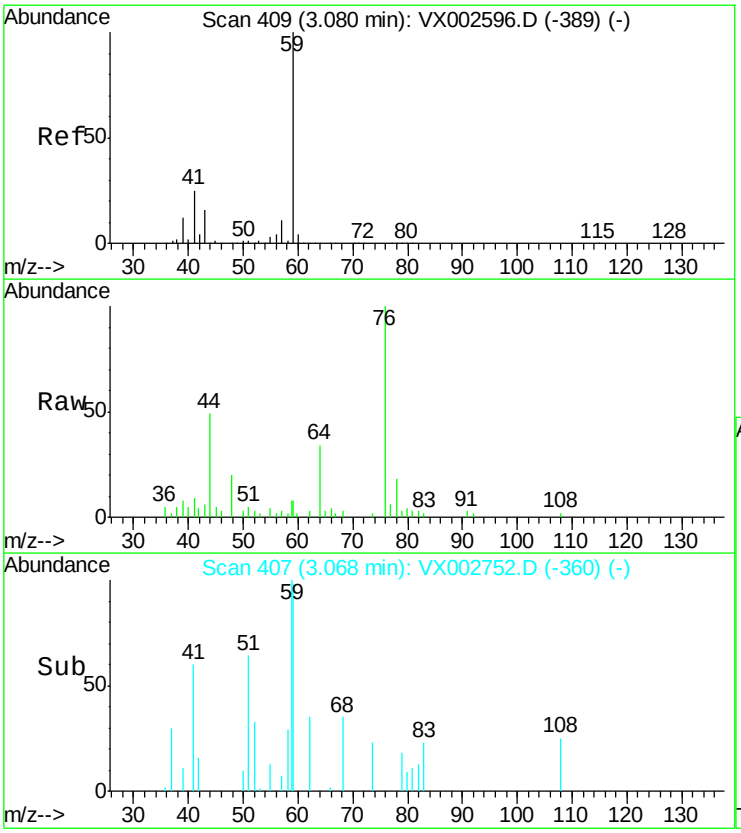

#10
Methyl Iodide
Concen: 5.59 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:142 Resp: 1611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.0 | 36.6 | 55.0 |
| 141 | 20.2 | 11.3 | 16.9# |

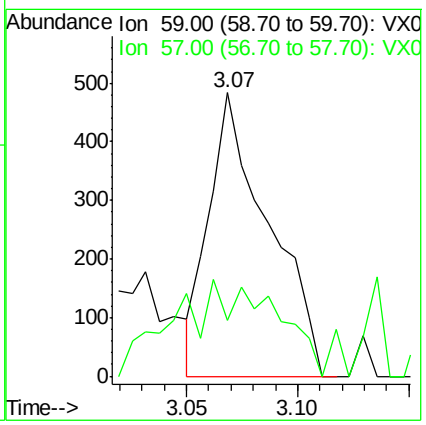


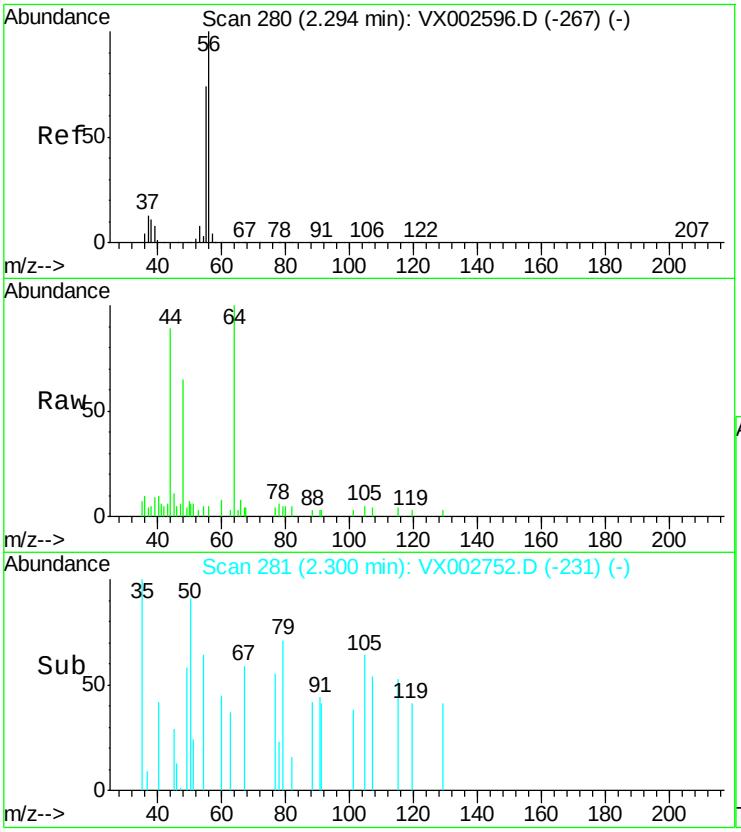




#11
Tert butyl alcohol
Concen: 1.29 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 59 Resp: 895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 20.9 | 8.2 | 12.2# |



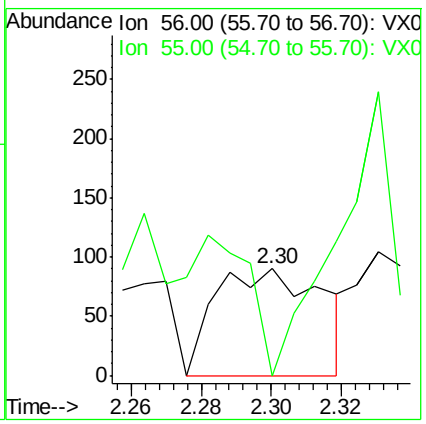


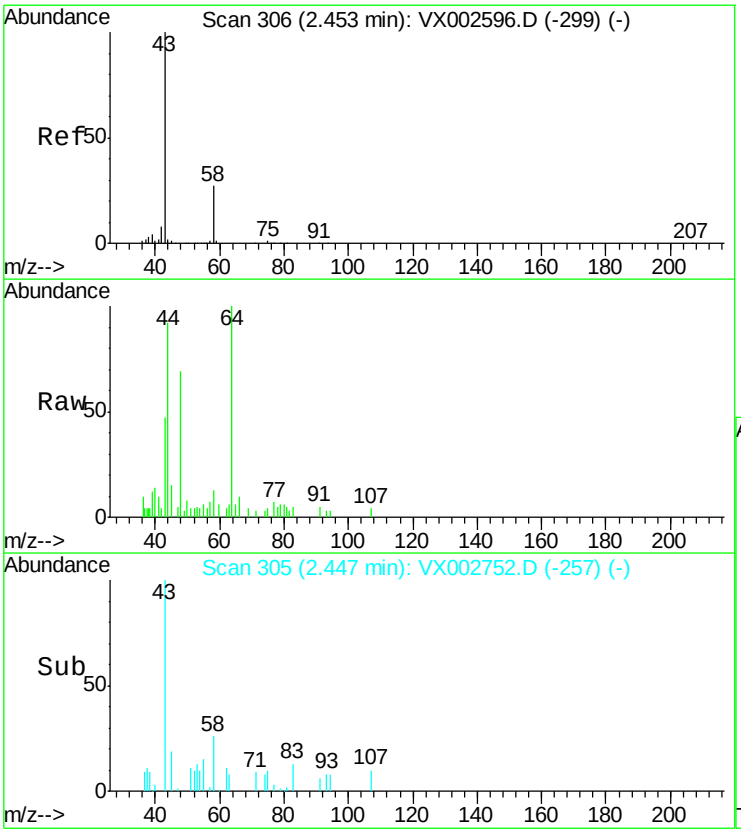

#13
Acrolein
Concen: 7.44 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 56 Resp: 191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.0 | 85.4# |

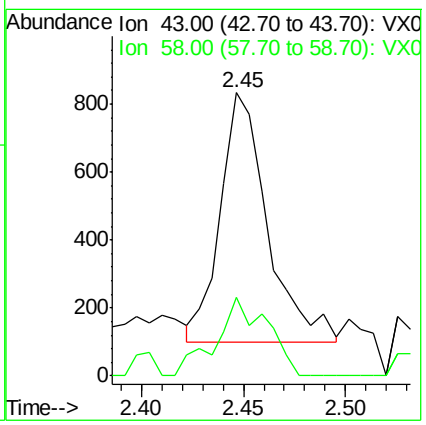


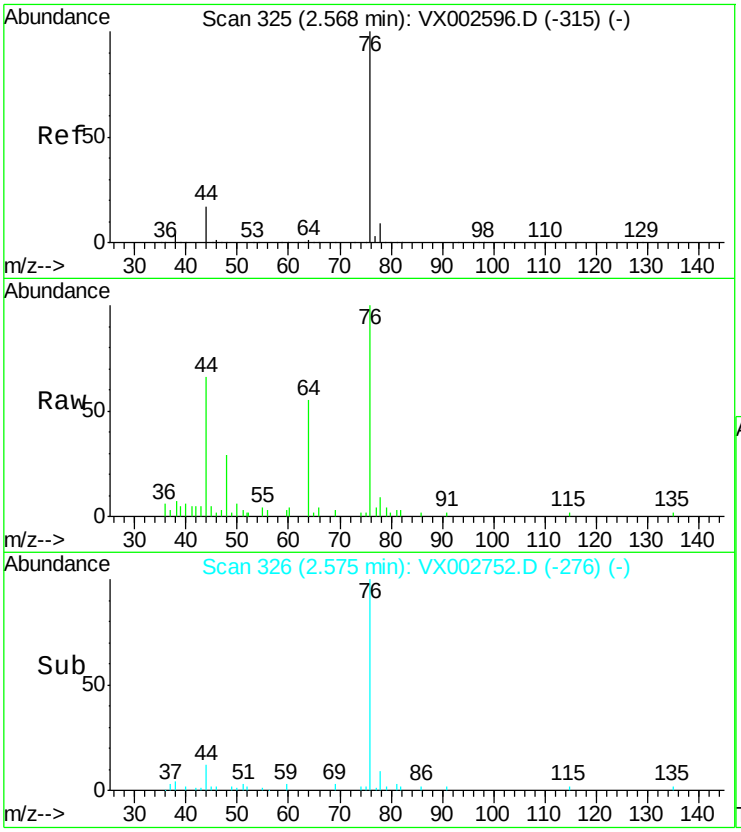




#16
Acetone
Concen: 0.80 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 43 Resp: 1176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 22.1 | 33.1 |



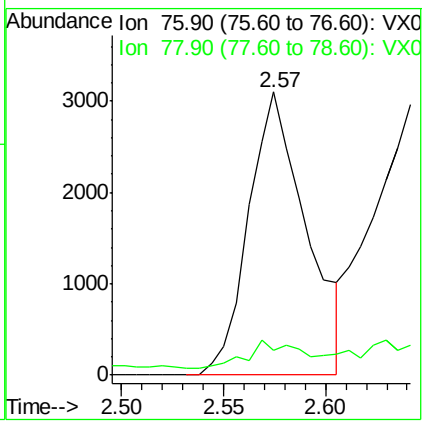


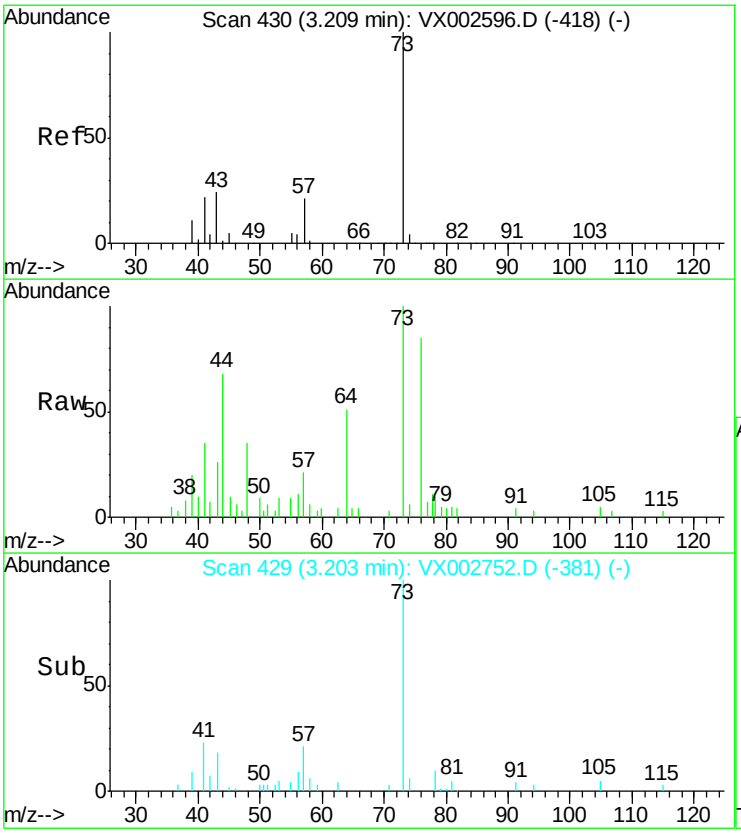

#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 76 Resp: 6096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.5 | 6.9 | 10.3# |

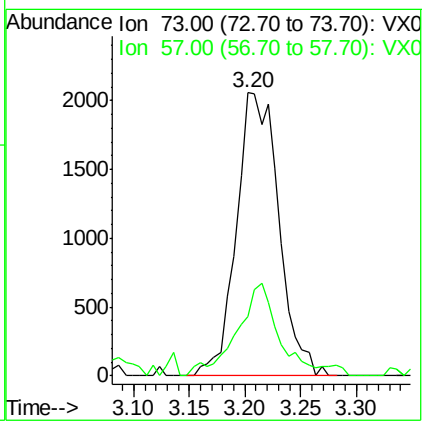


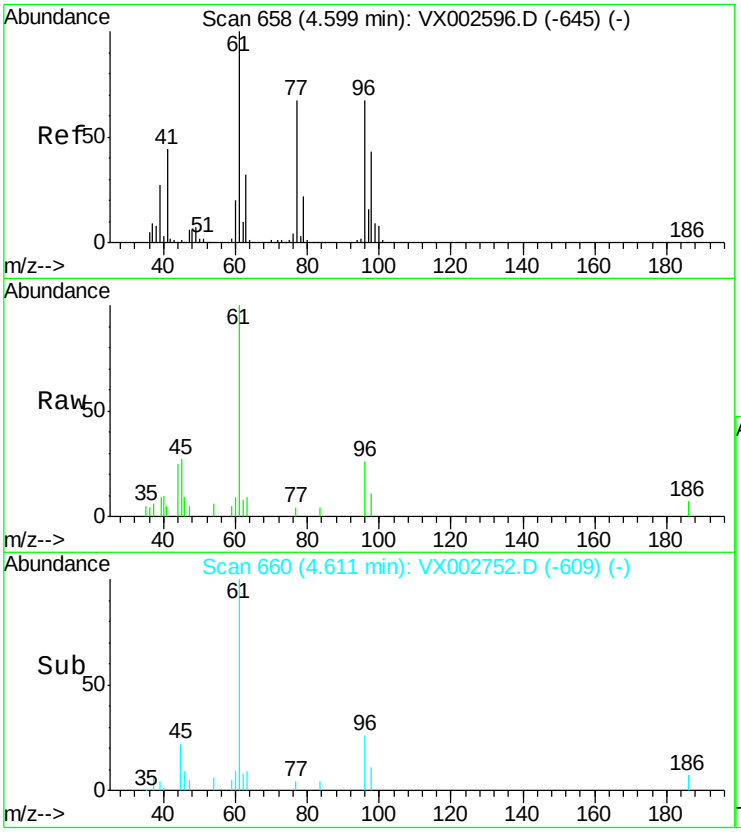




#19
Methyl tert-butyl Ether
Concen: 0.59 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 73 Resp: 5455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.7 | 26.5 |



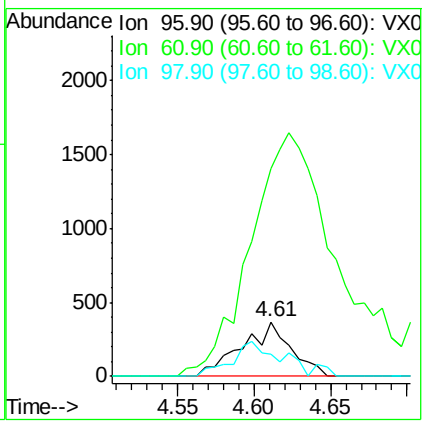


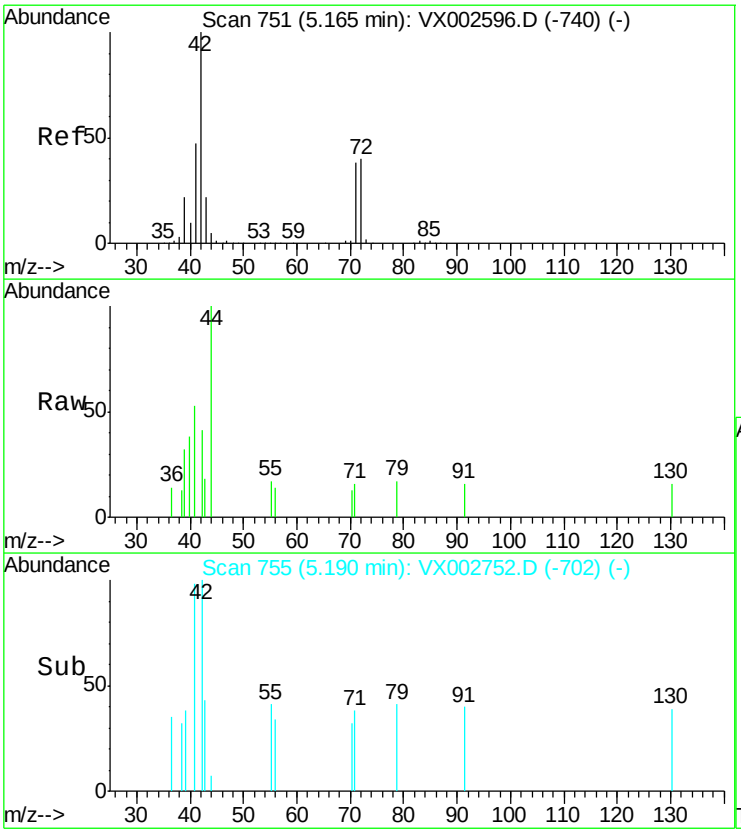

#27
cis-1,2-Dichloroethene
Concen: 0.31 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 96 Resp: 836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 762.4 | 0.0 | 330.2# |
| 98 | 0.0 | 0.0 | 130.2 |

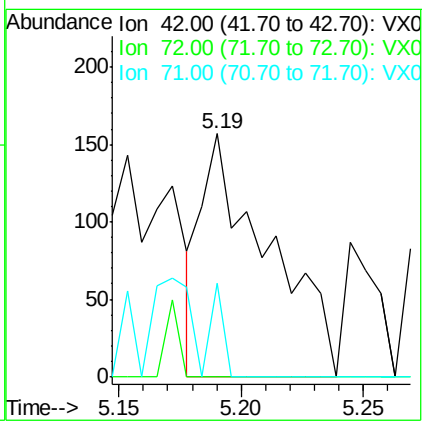


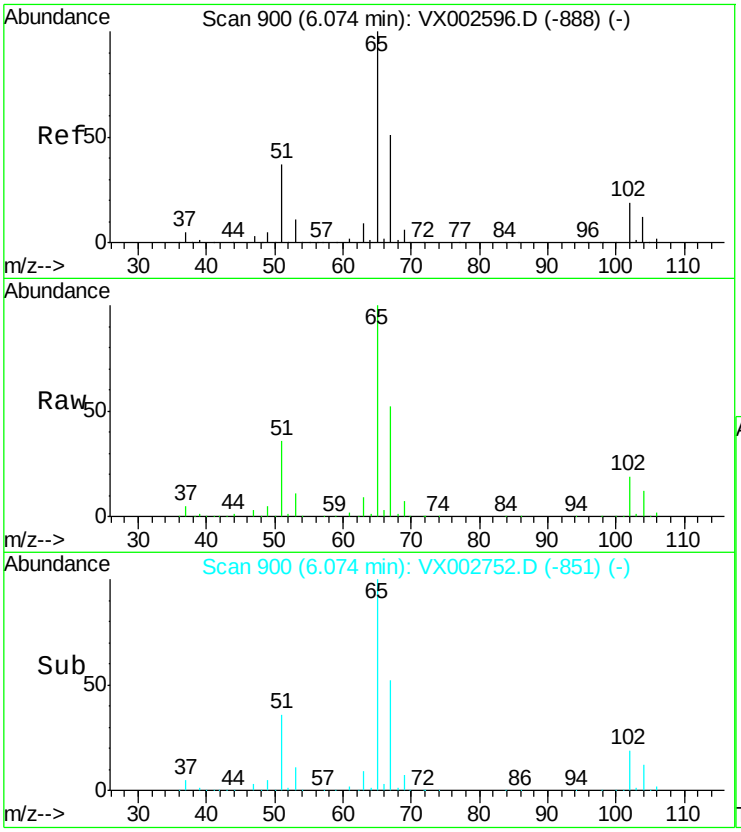




#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 42 Resp: 297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 6.1 | 32.0 | 48.0# |
| 71 | 36.4 | 30.1 | 45.1 |



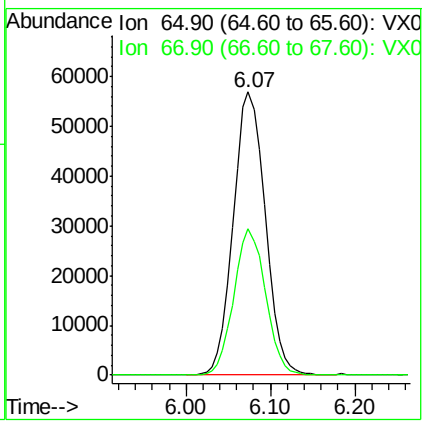


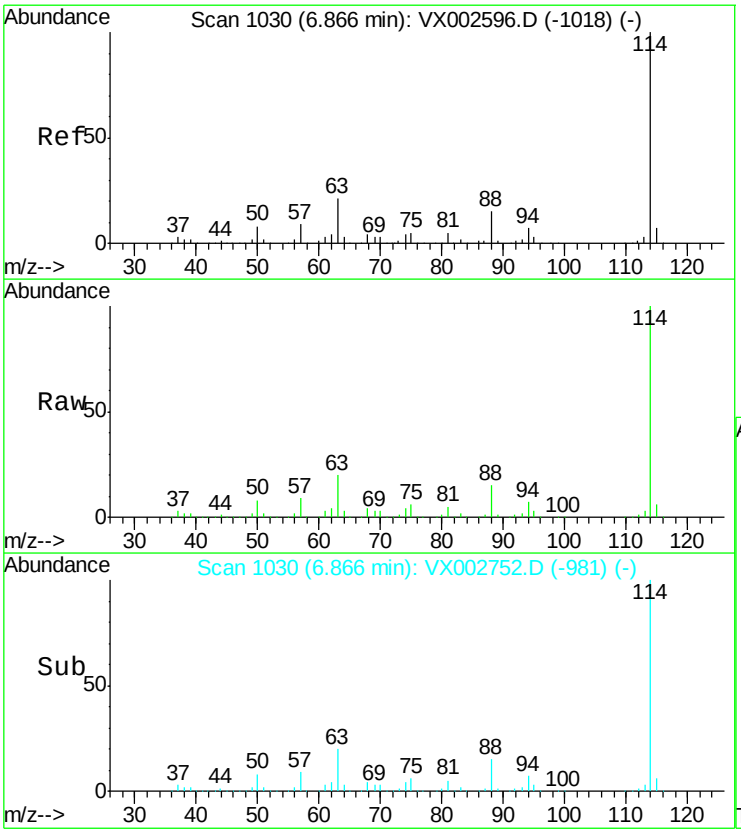

#33
1,2-Dichloroethane-d4
Concen: 43.68 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 65 Resp: 146278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 102.6 |

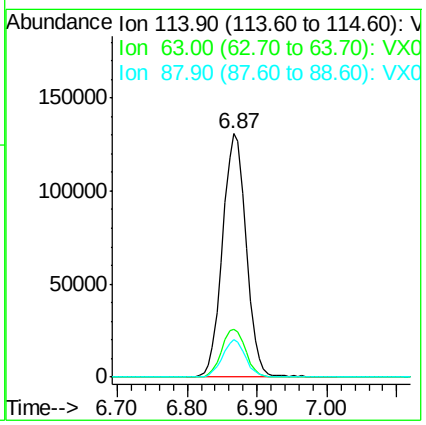


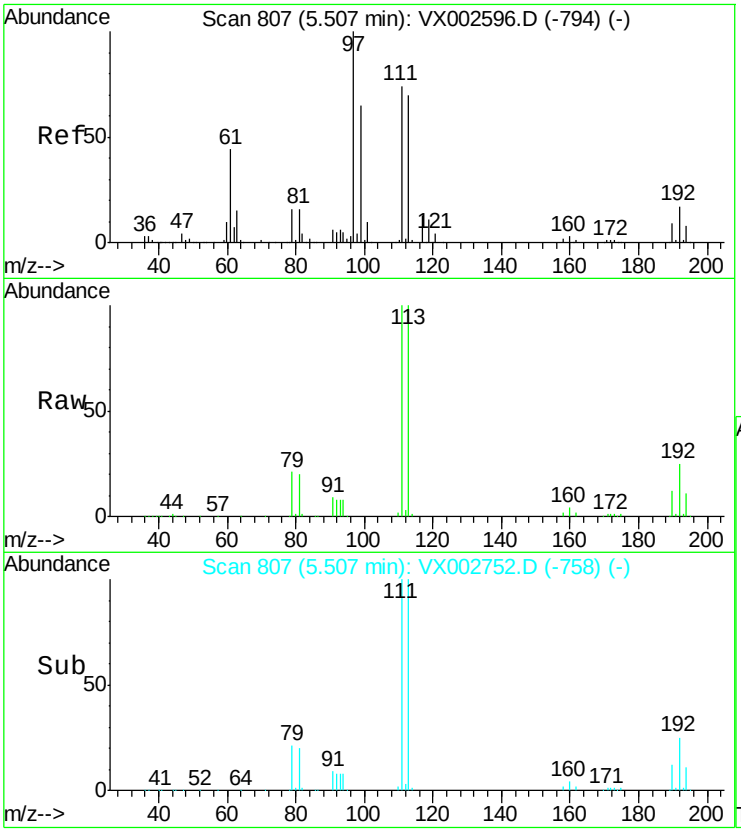




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion:114 Resp: 307930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 41.4 |
| 88 | 15.2 | 0.0 | 30.0 |



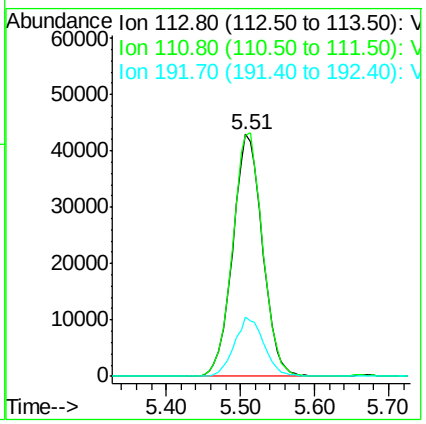


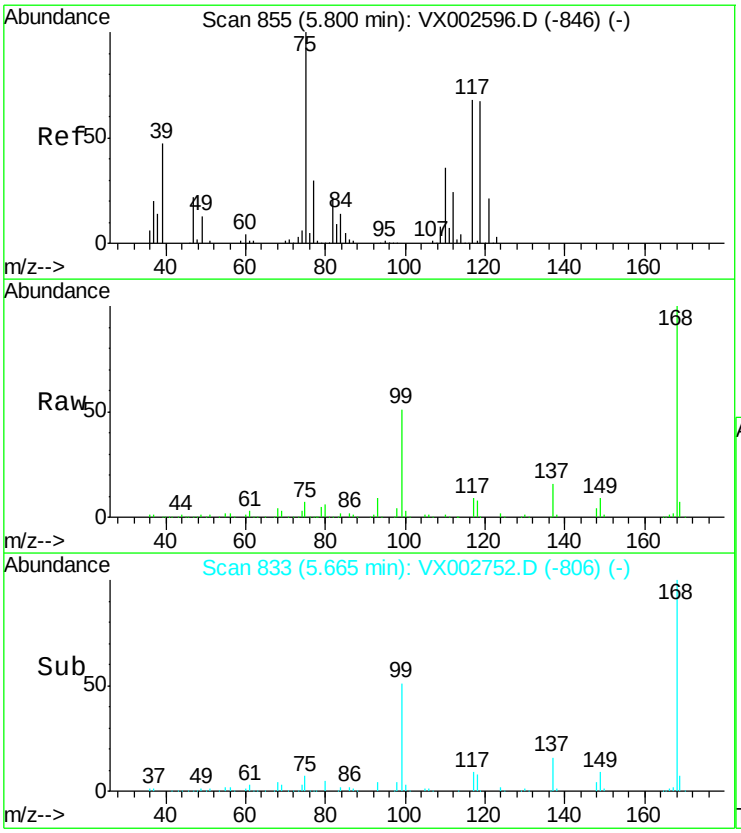

#35
Dibromofluoromethane
Concen: 48.90 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:113 Resp: 120171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 81.4 | 122.0 |
| 192 | 24.3 | 19.1 | 28.7 |

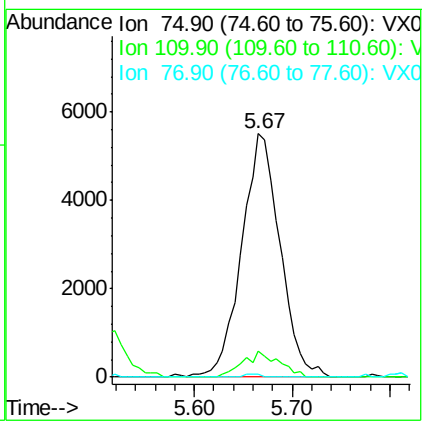


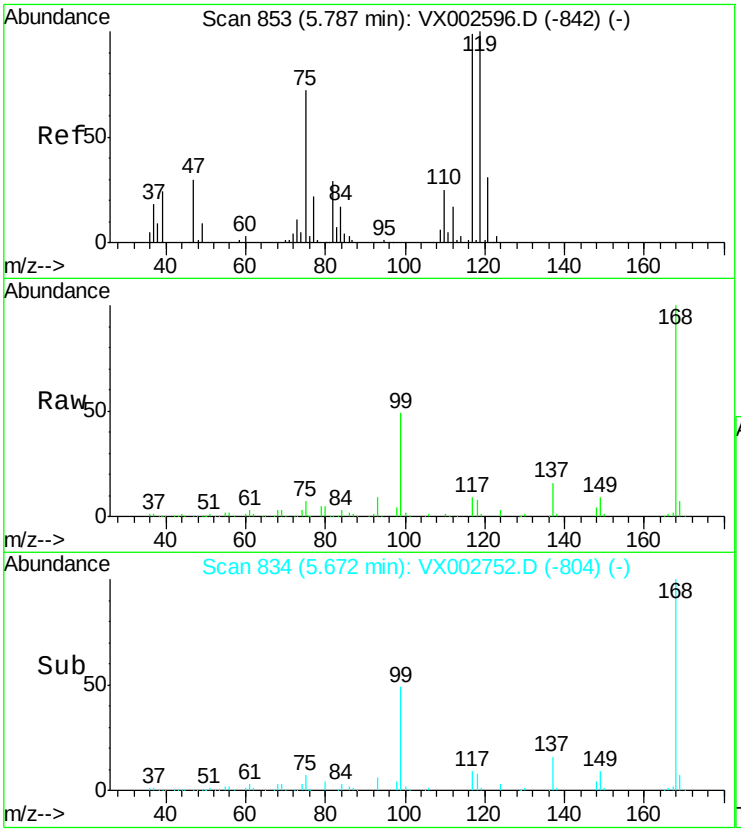




#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 75 Resp: 14971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.1 | 18.1 | 54.4# |
| 77 | 0.5 | 24.3 | 36.5# |



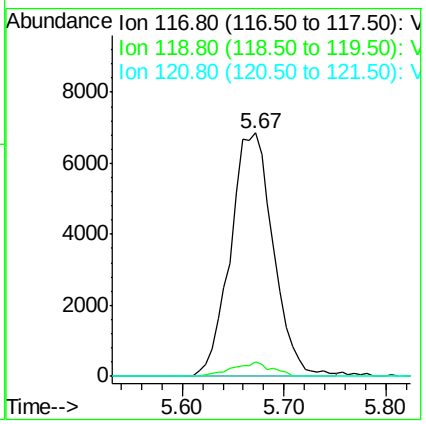


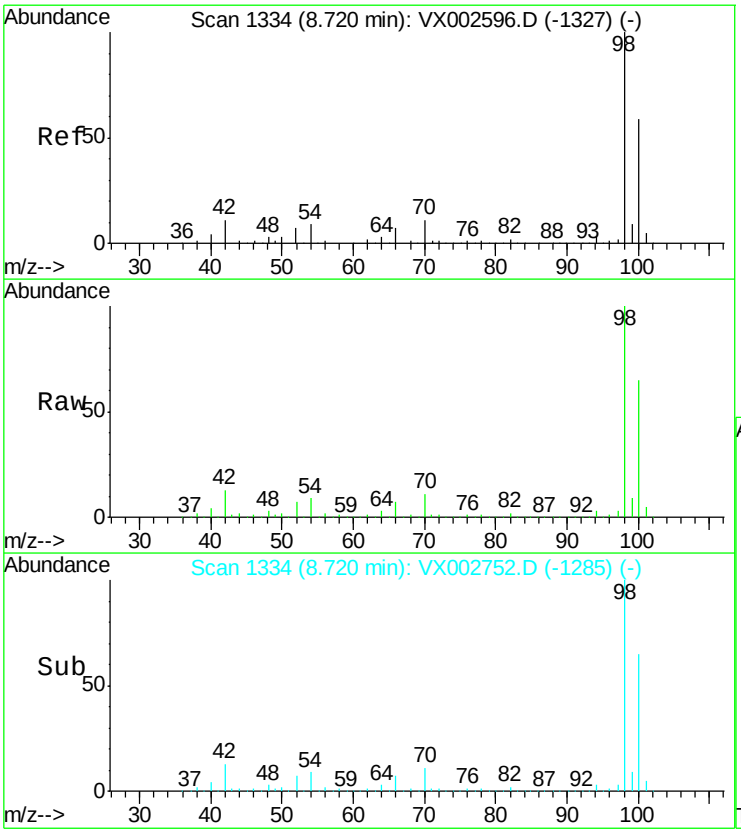

#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:117 Resp: 19922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.0 | 77.4 | 116.0# |
| 121 | 0.0 | 24.4 | 36.6# |

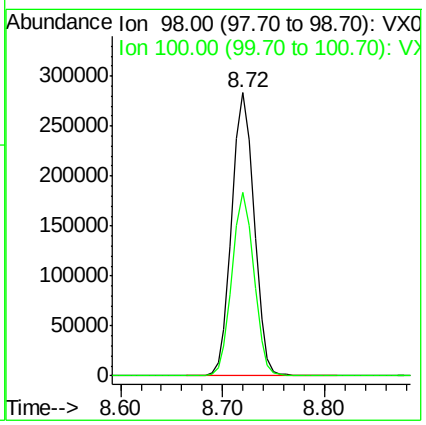


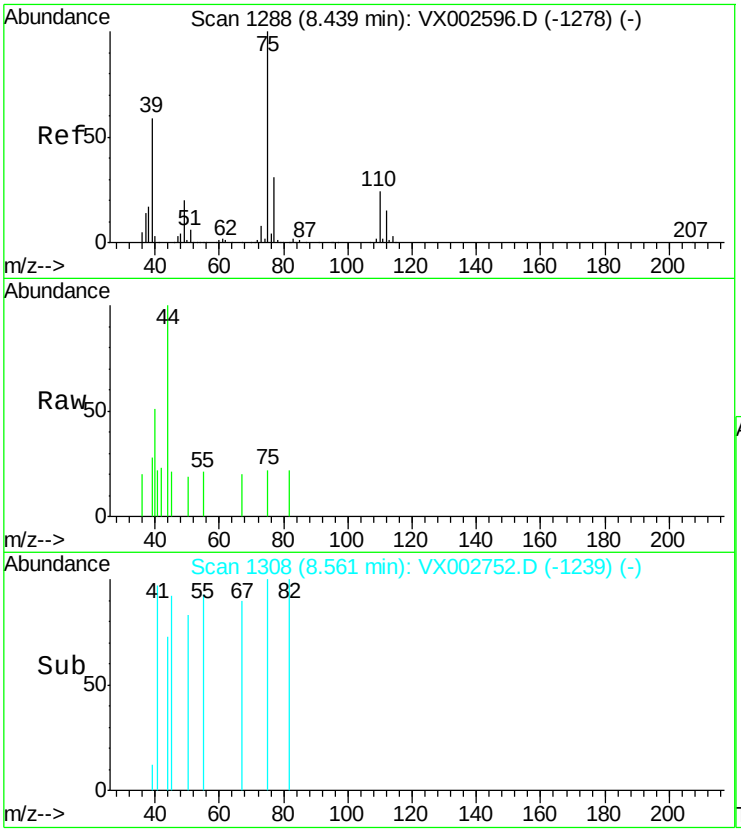




#50
Toluene-d8
Concen: 46.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 98 Resp: 430017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 50.9 | 76.3 |



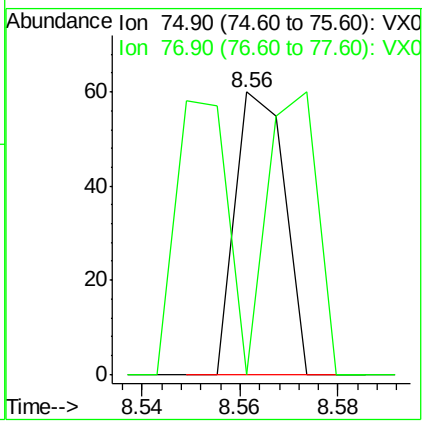


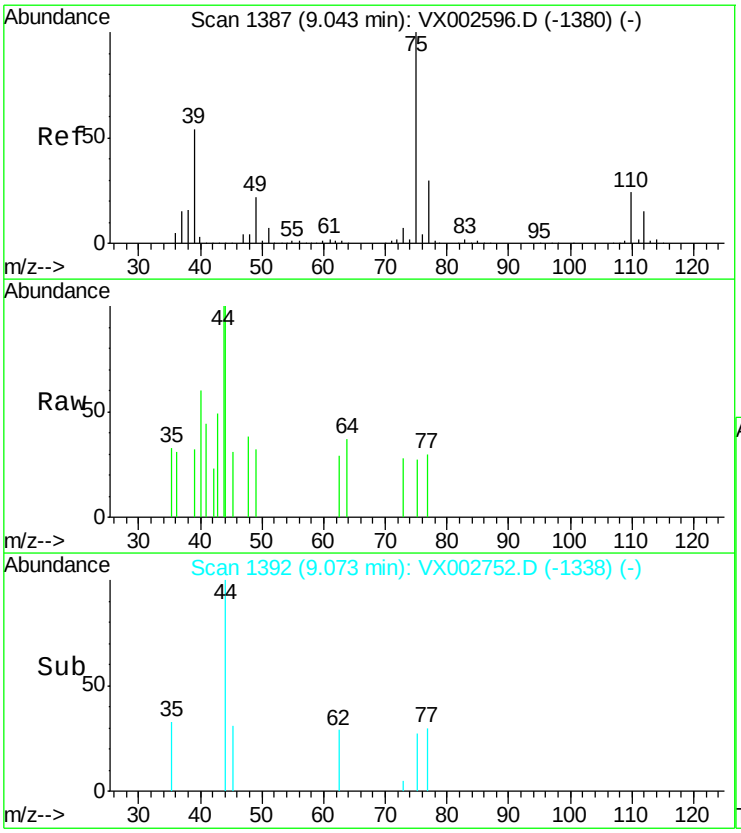

#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.56 min Scan# 1308
Delta R.T. 0.12 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 75 Resp: 42

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.2# |

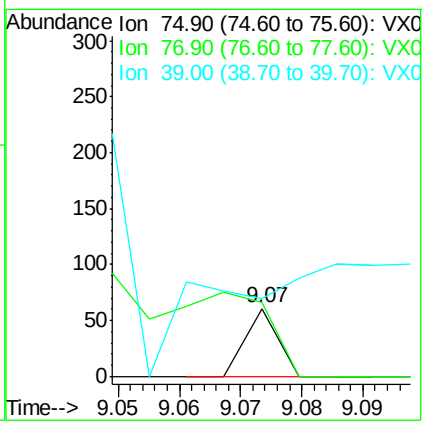


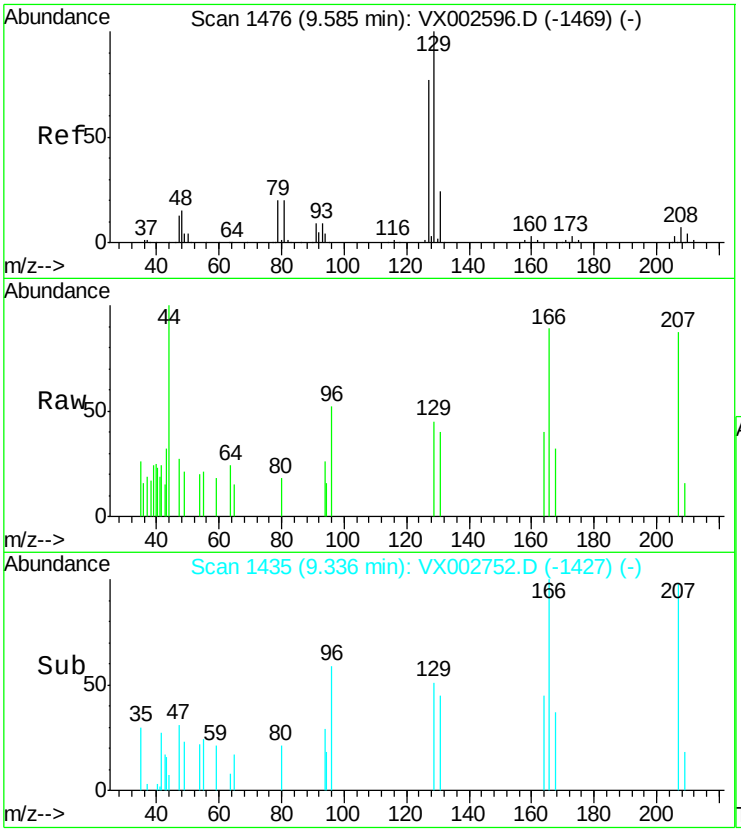




#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.07 min Scan# 1392
Delta R.T. 0.03 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 75 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 108.2 | 24.8 | 37.2# |
| 39 | 0.0 | 42.4 | 63.6# |

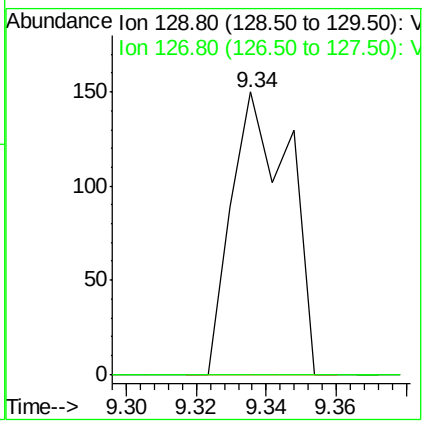




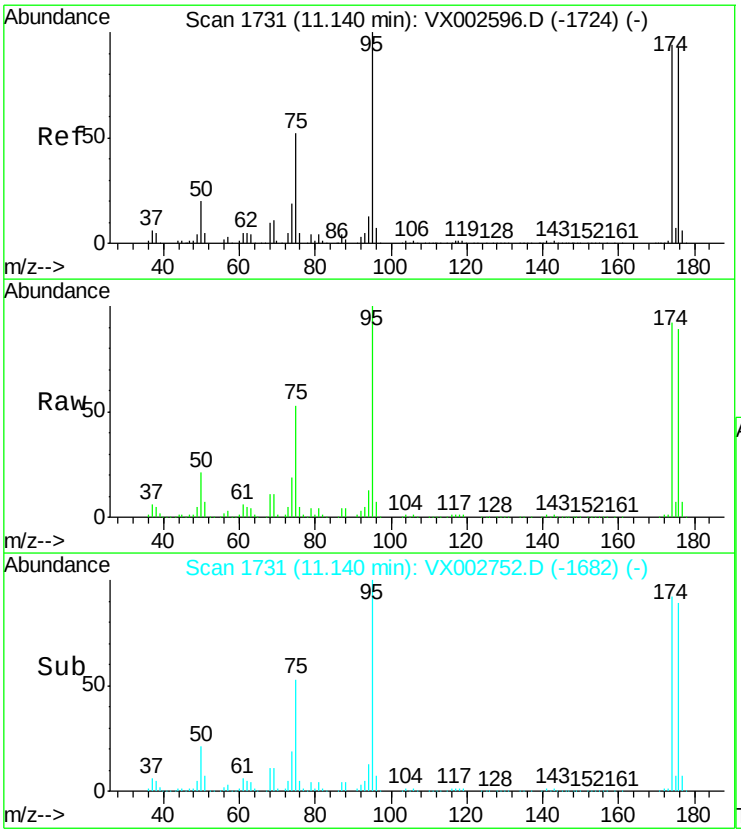

#60
Dibromochloromethane
Concen: 3.82 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion:129 Resp: 172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.5 | 115.3# |



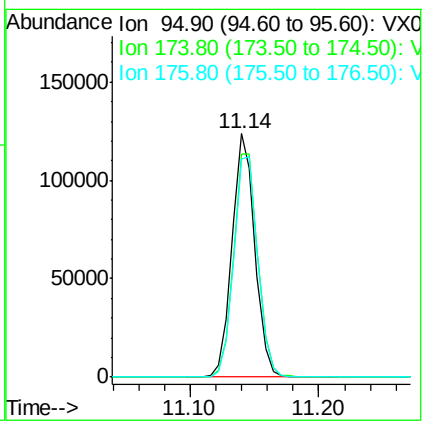

**Instrument :**
MSVOA_X
**ClientSampleId :**

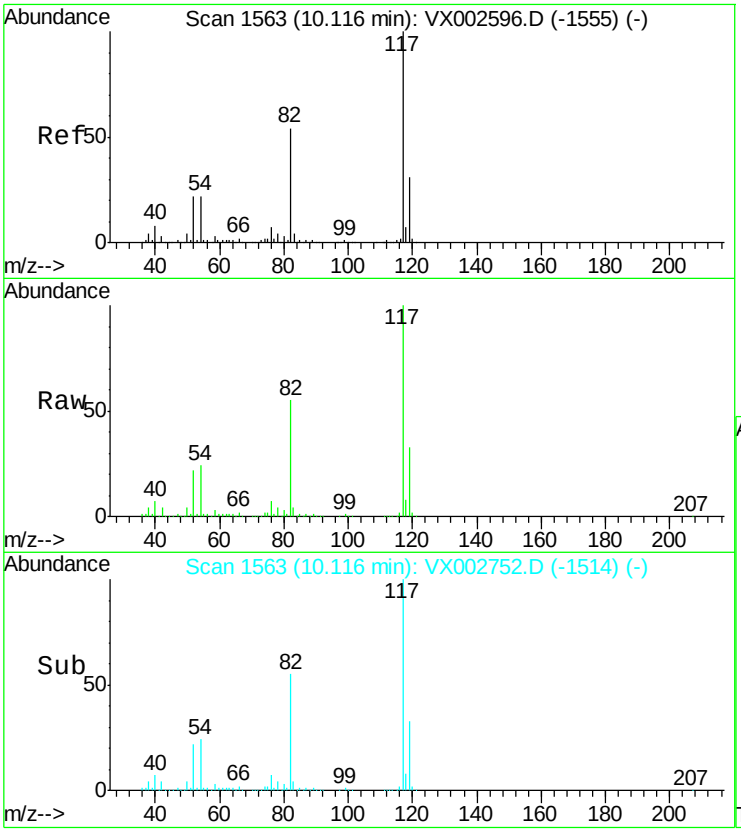



#62
4-Bromofluorobenzene
Concen: 43.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 95 Resp: 153197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 97.1 | 0.0 | 187.4 |
| 176 | 94.9 | 0.0 | 181.0 |



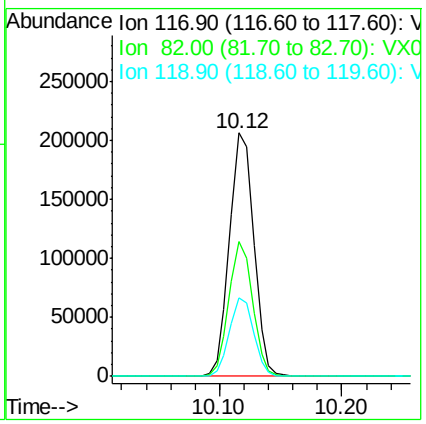


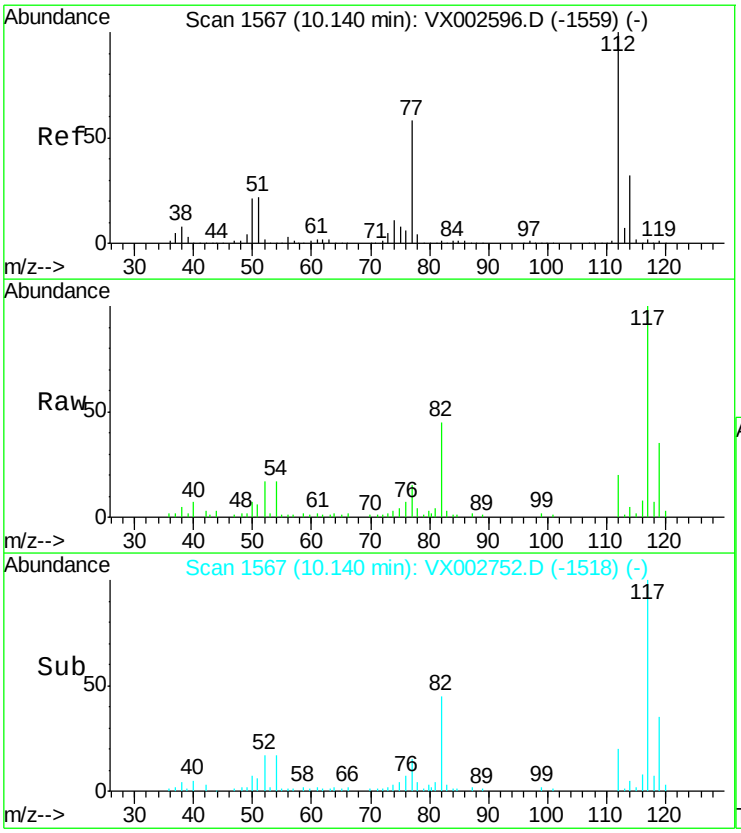

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:117 Resp: 284380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 45.0 | 67.4 |
| 119 | 32.5 | 25.8 | 38.6 |

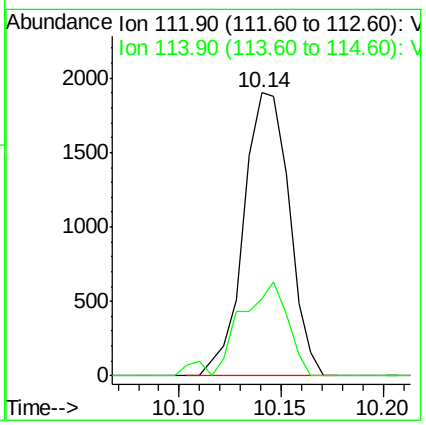


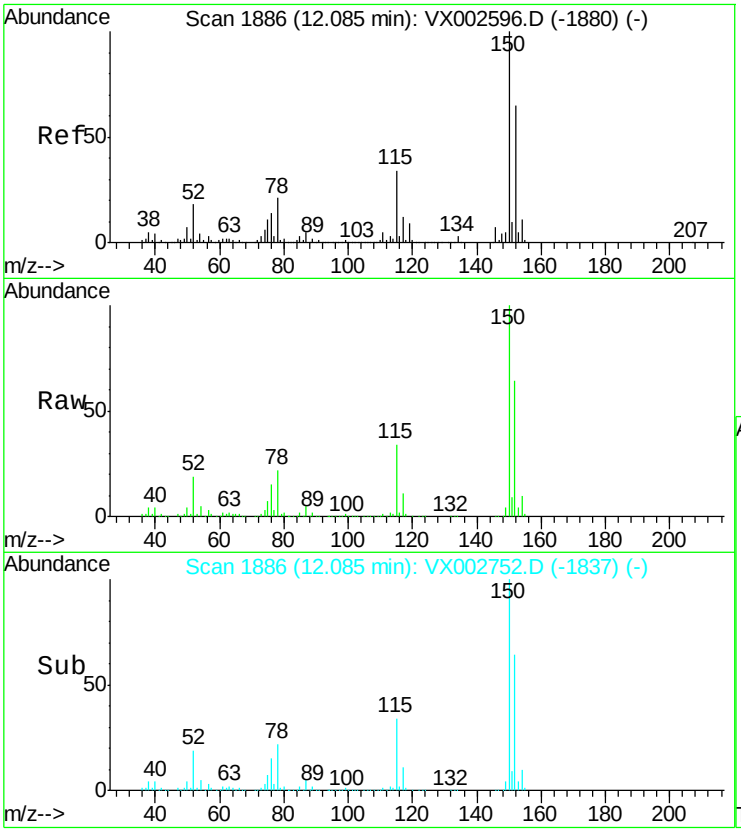




#65
Chlorobenzene
Concen: 0.42 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion:112 Resp: 2958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.5 | 25.3 | 37.9 |



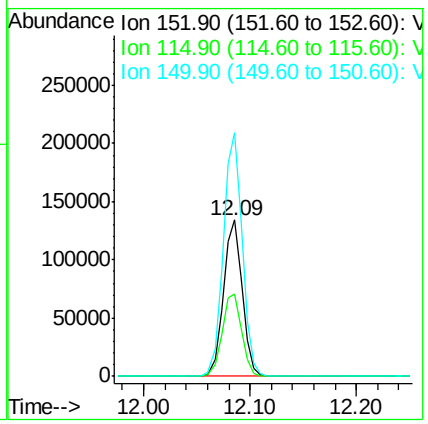


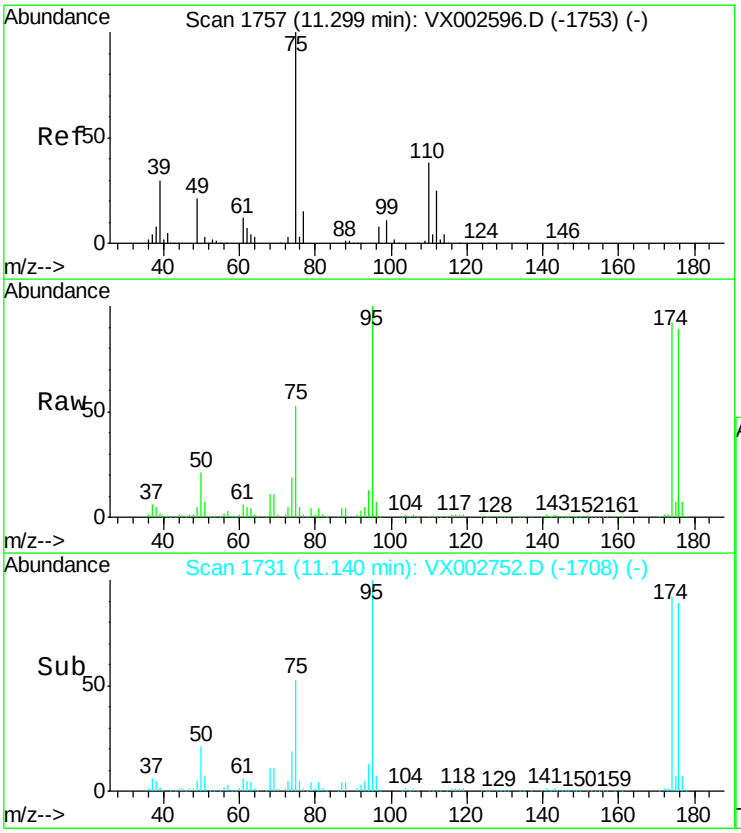

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:152 Resp: 164881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.9 | 40.1 | 120.2 |
| 150 | 157.3 | 0.0 | 347.2 |

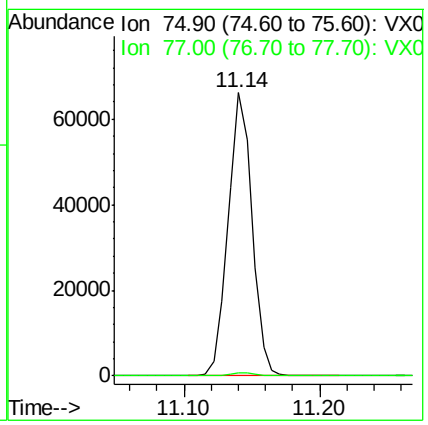


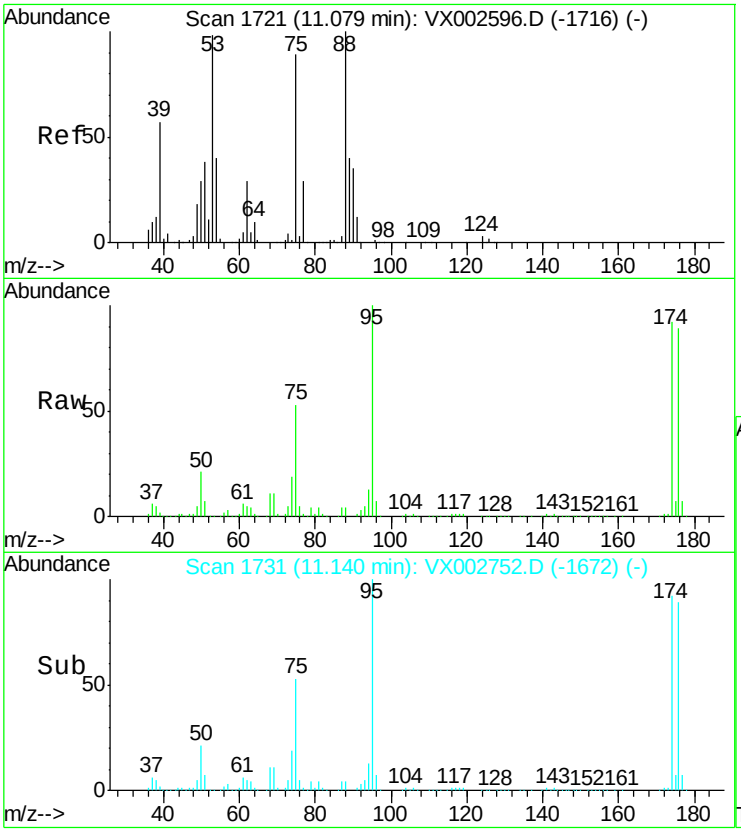




#76
1,2,3-Trichloropropane
Concen: 25.94 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion: 75 Resp: 80709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 22.8 | 68.3# |



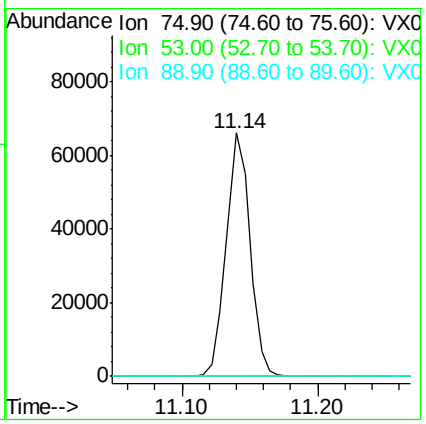


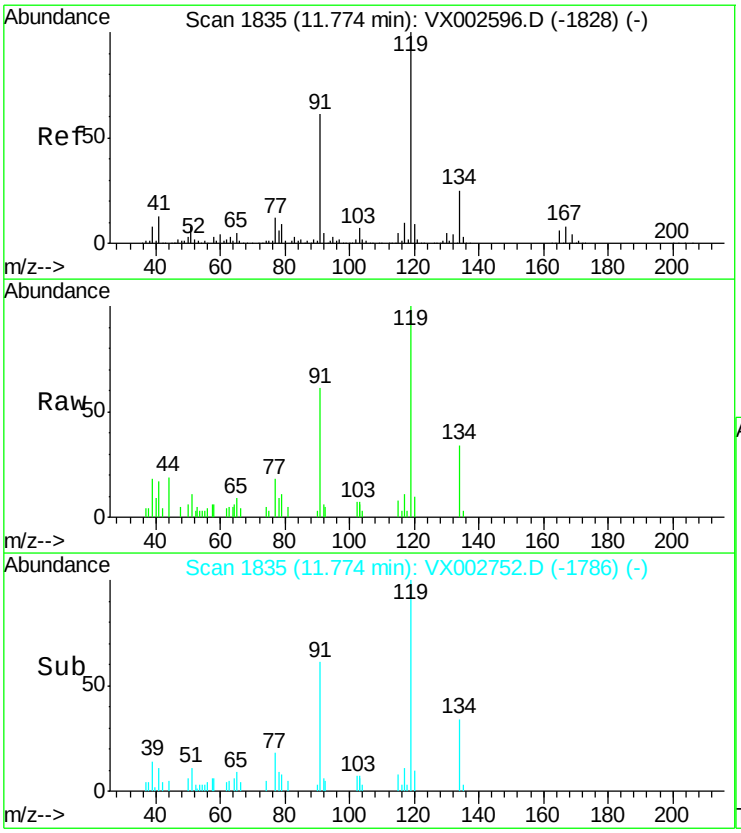

#81
trans-1,4-Dichloro-2-butene
Concen: 80.24 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion: 75 Resp: 80709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 86.8 | 130.2# |
| 89 | 0.0 | 38.2 | 57.2# |

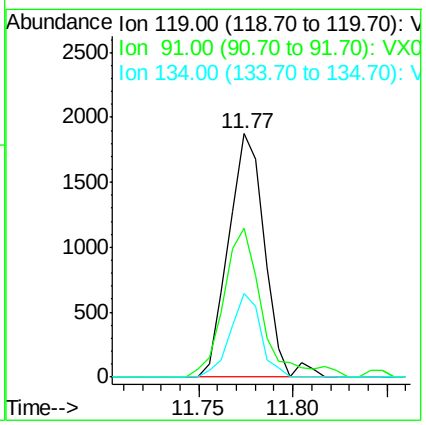


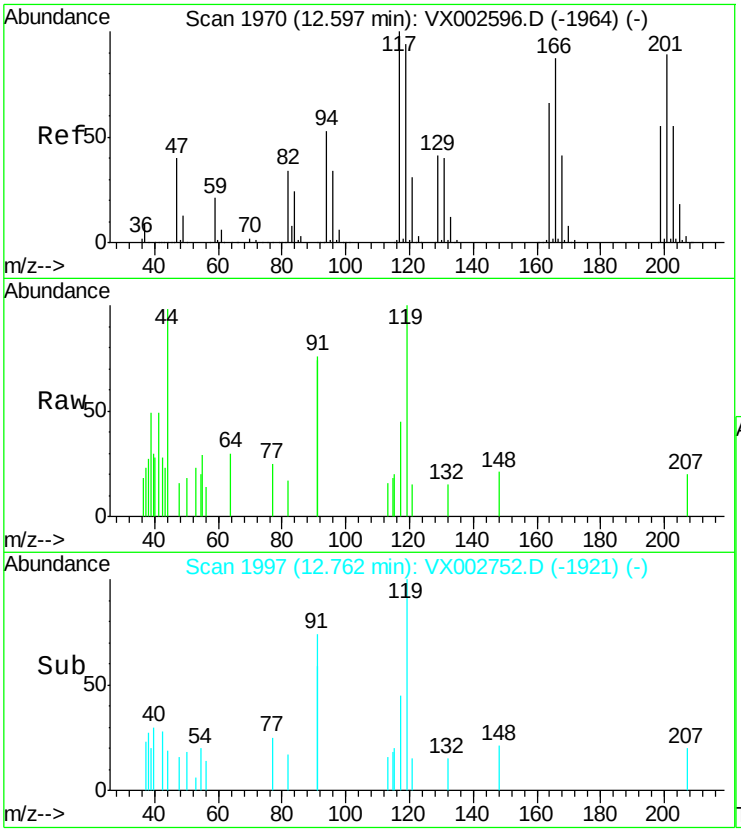




#83
tert-Butylbenzene
Concen: 0.28 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

Tgt Ion:119 Resp: 2496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.0 | 30.3 | 90.9 |
| 134 | 29.0 | 11.7 | 35.1 |






#90
Hexachloroethane
Concen: 2.72 ug/l
RT: 12.76 min Scan# 1997
Delta R.T. 0.16 min
Lab File: VX002752.D
Acq: 20 Jun 2018 19:53

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

Tgt Ion:117 Resp: 150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 49.0 | 147.0# |