Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032918\

Quantitation Report (Not Reviewed)

Data File : VX000536.D
Acq On : 30 Mar 2018 02:11
Operator : JC/MD
Sample : J1761-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Quant Time: Mar 30 07:02:59 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 107306 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 189667 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 195544 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 101539 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.08 | 65 | 77665 | 55.45 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.90% | | | |
| 35) Dibromofluoromethane | 5.52 | 113 | 60726 | 50.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.62% | | | |
| 50) Toluene-d8 | 8.73 | 98 | 249063 | 50.32 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.64% | | | |
| 62) 4-Bromofluorobenzene | 11.15 | 95 | 86529 | 42.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 84.88% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 297 | 0.24 | ug/l | 90 |
| 6) Chloroethane | 1.72 | 64 | 230 | Below Cal | | 92 |
| 10) Methyl Iodide | 2.51 | 142 | 58 | 4.32 | ug/l # | 67 |
| 16) Acetone | 2.45 | 43 | 7876 | 6.76 | ug/l | 99 |
| 17) Carbon Disulfide | 2.57 | 76 | 735 | 0.25 | ug/l # | 85 |
| 18) Methyl Acetate | 2.79 | 43 | 587 | 0.24 | ug/l # | 51 |
| 20) Methylene Chloride | 2.86 | 84 | 13311 | 9.89 | ug/l | 98 |
| 25) 2-Butanone | 4.73 | 43 | 774 | 0.59 | ug/l # | 49 |
| 31) Cyclohexane | 5.67 | 56 | 2925 | 1.66 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.68 | 75 | 8691 | 4.89 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.68 | 117 | 10364 | 5.56 | ug/l # | 16 |
| 43) Isopropyl Acetate | 6.49 | 43 | 1200 | 0.33 | ug/l # | 83 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 631 | 0.23 | ug/l | 90 |
| 60) Dibromochloromethane | 9.59 | 129 | 53 | 4.14 | ug/l # | 12 |
| 74) N-amyl acetate | 6.49 | 43 | 1200 | Below Cal | # | 95 |
| 76) 1,2,3-Trichloropropane | 11.15 | 75 | 50059 | 22.94 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75 | 50059 | 74.27 | ug/l # | 9 |
| 95) Naphthalene | 13.85 | 128 | 6276 | 0.76 | ug/l | 98 |

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

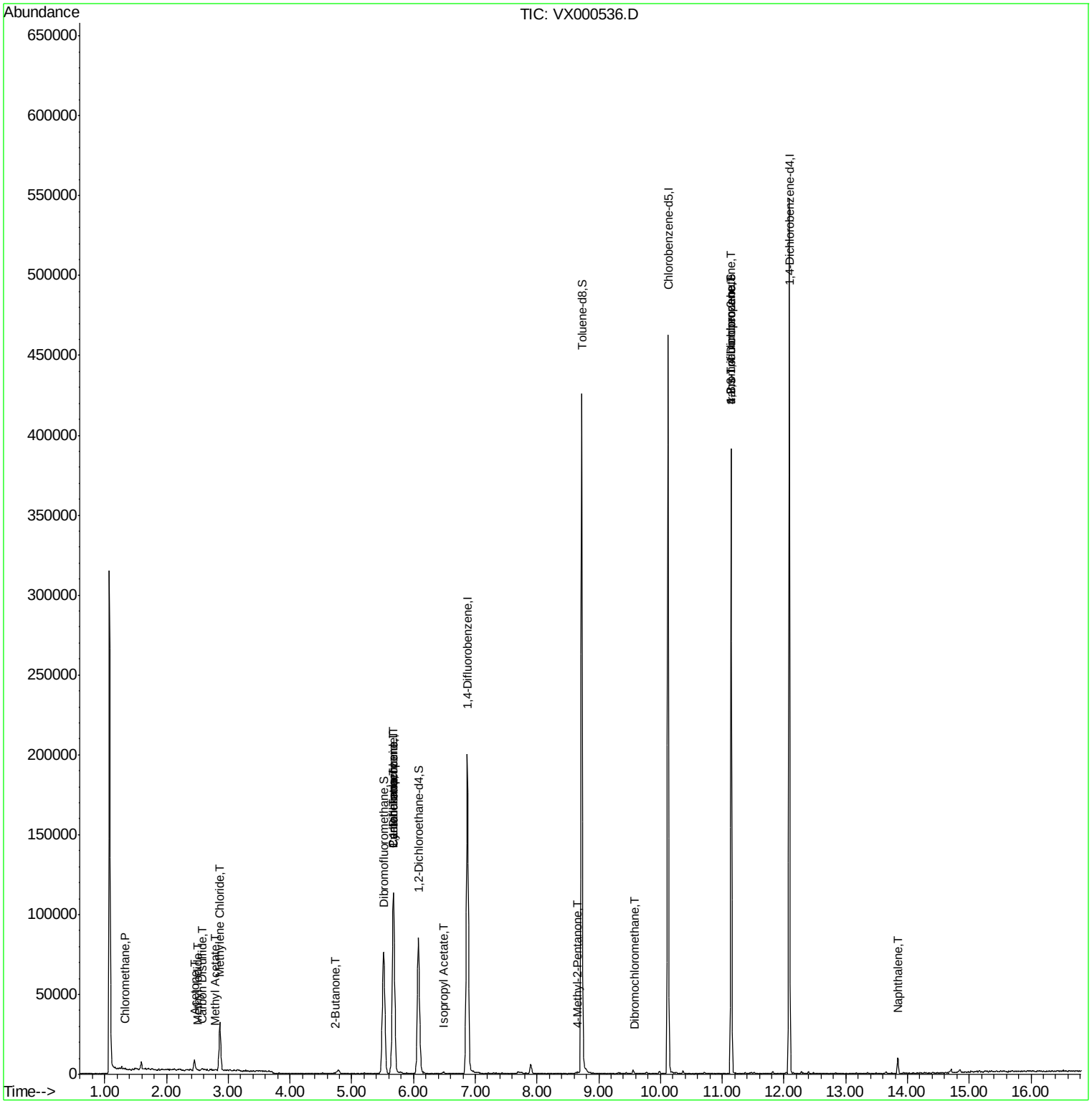
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032918\

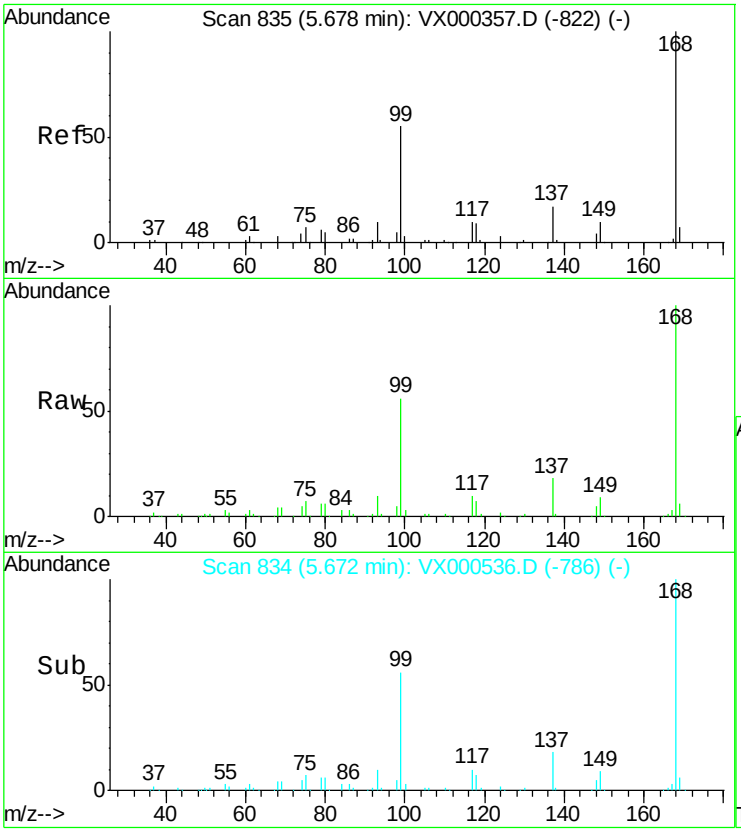
Quantitation Report (Not Reviewed)

Data File : VX000536.D
Acq On : 30 Mar 2018 02:11
Operator : JC/MD
Sample : J1761-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Quant Time: Mar 30 07:02:59 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration



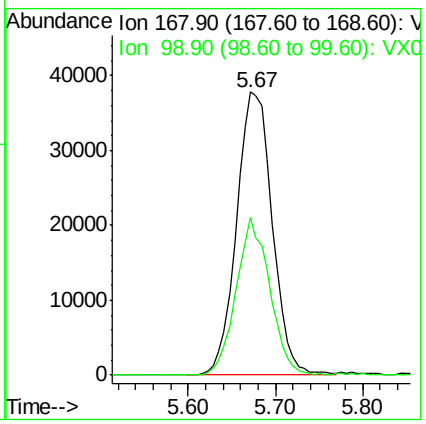


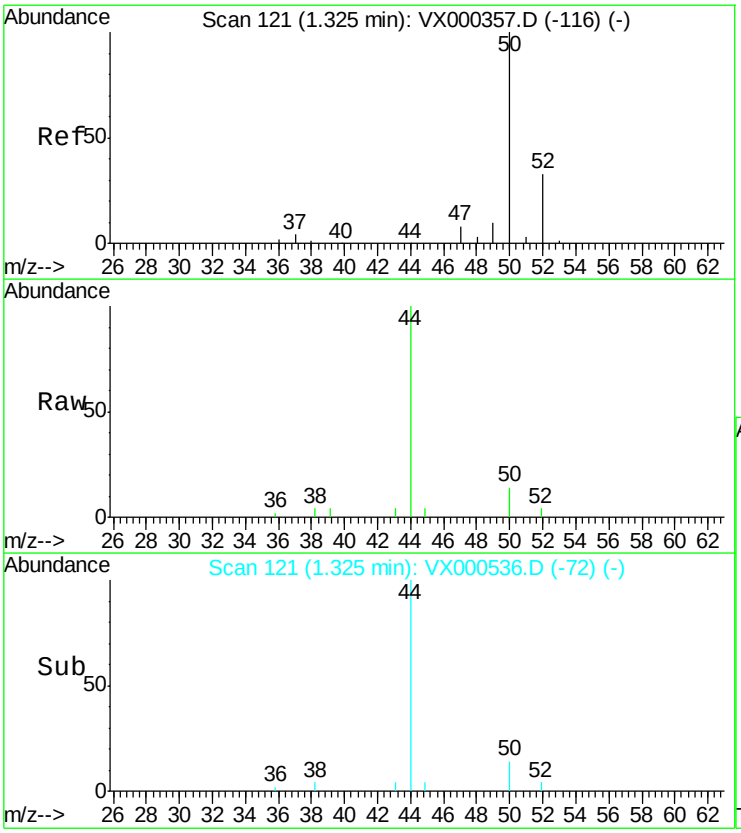

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion:168 Resp: 107306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.9 | 45.8 | 68.6 |

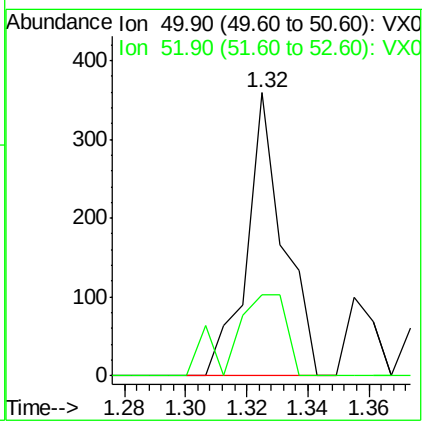


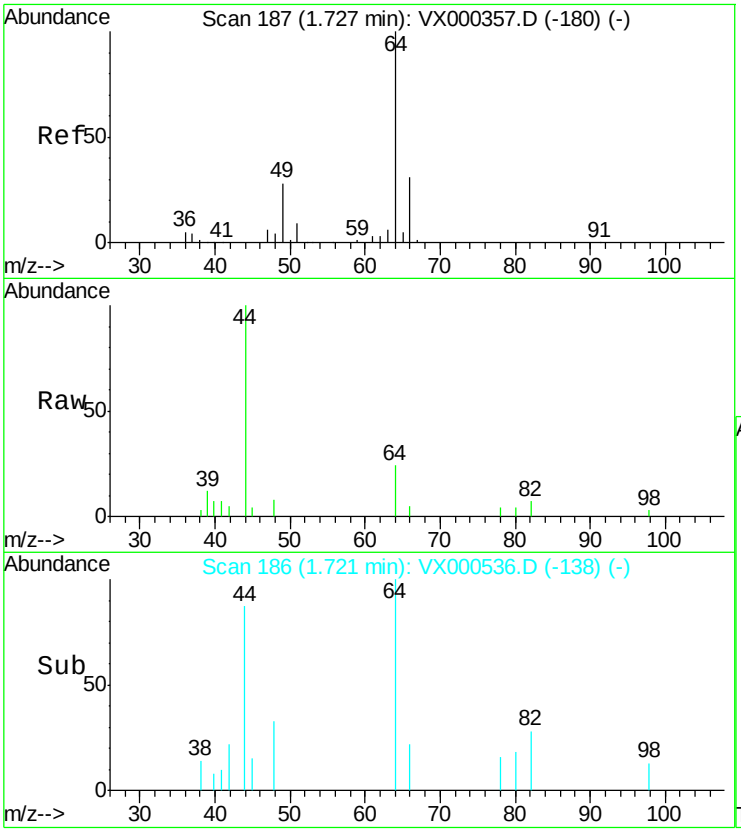




#3
Chloromethane
Concen: 0.24 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 50 Resp: 297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.7 | 27.5 | 41.3 |



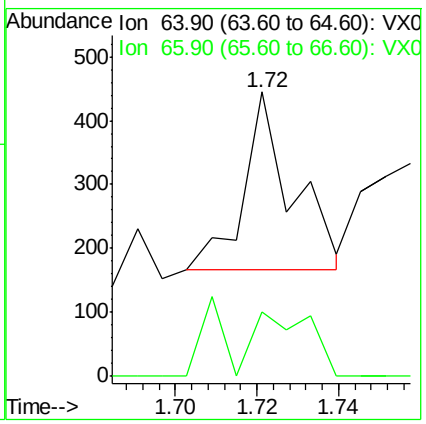


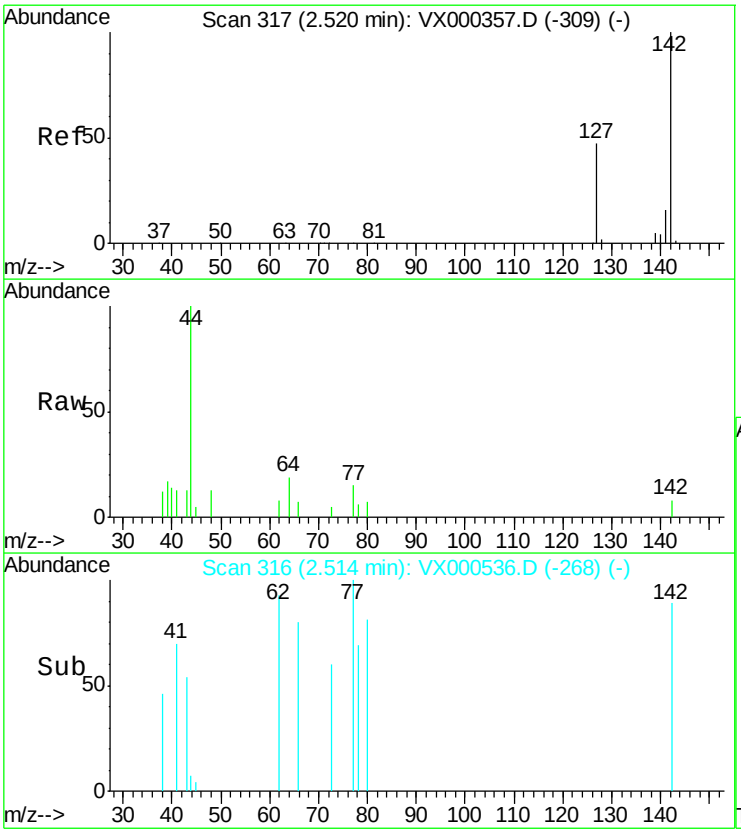

#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion: 64 Resp: 230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.5 | 24.8 | 37.2 |

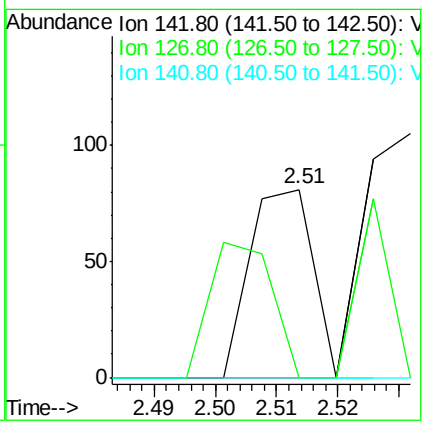


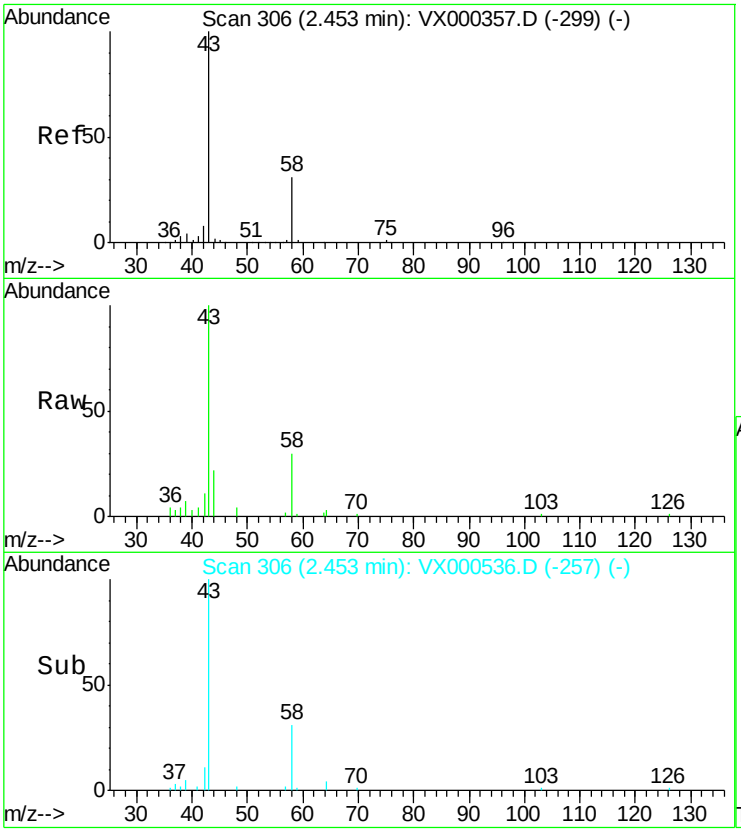




#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion:142 Resp: 58

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 70.7 | 39.2 | 58.8# |
| 141 | 0.0 | 11.7 | 17.5# |



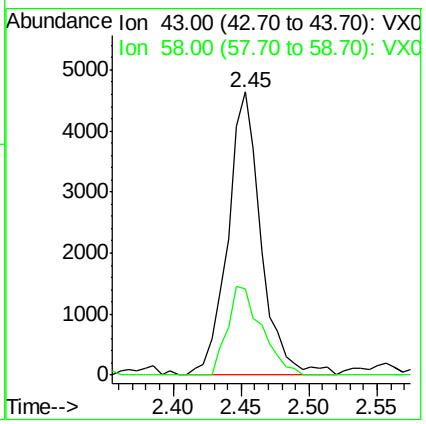


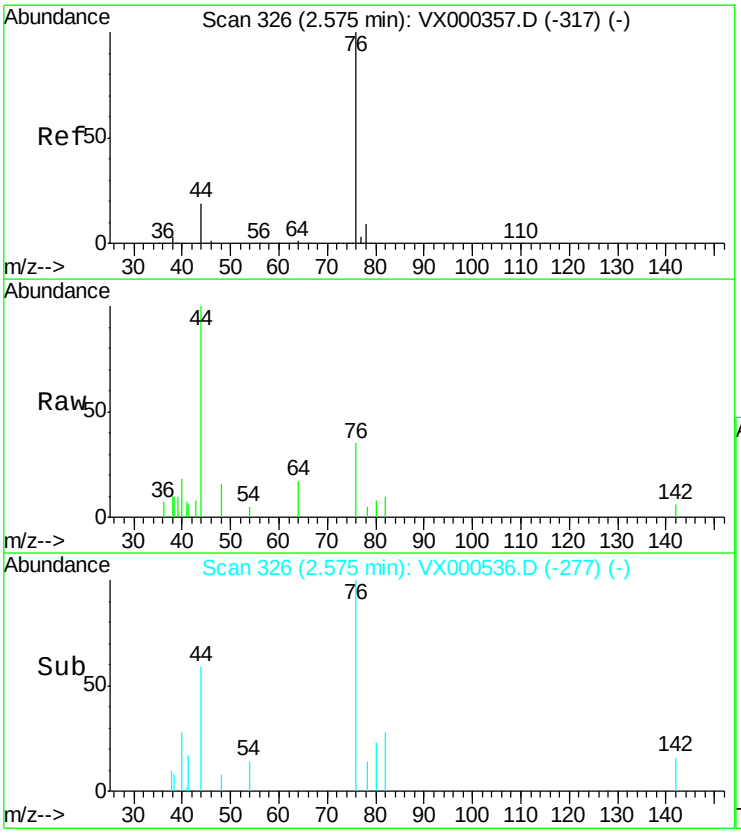

#16
Acetone
Concen: 6.76 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion: 43 Resp: 7876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.3 | 24.7 | 37.1 |

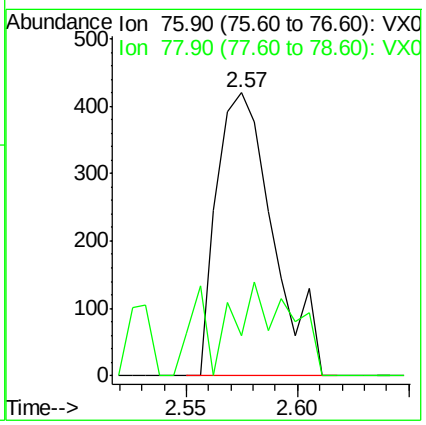


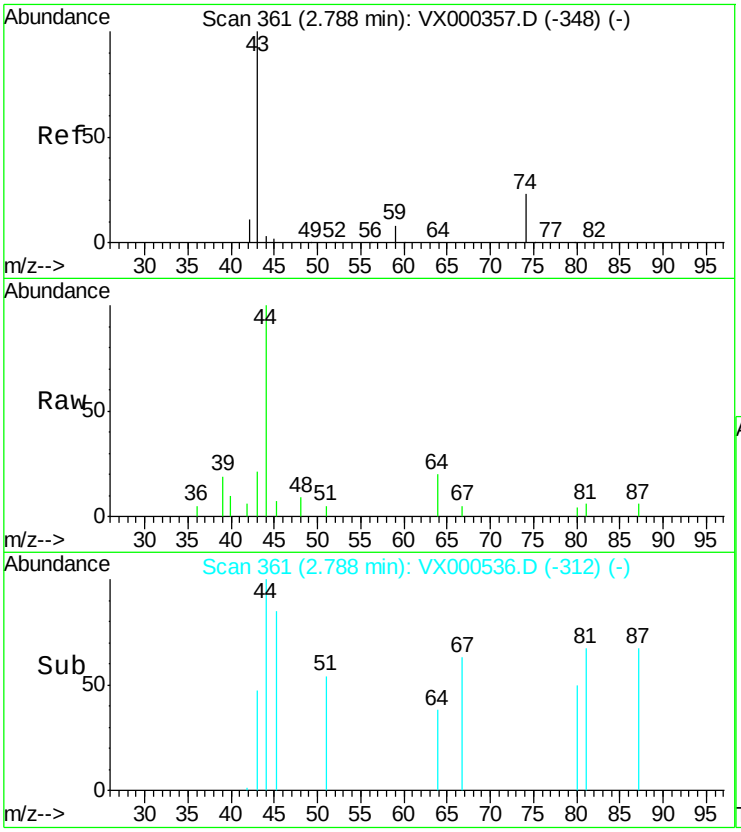




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 76 Resp: 735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 14.0 | 7.0 | 10.6# |



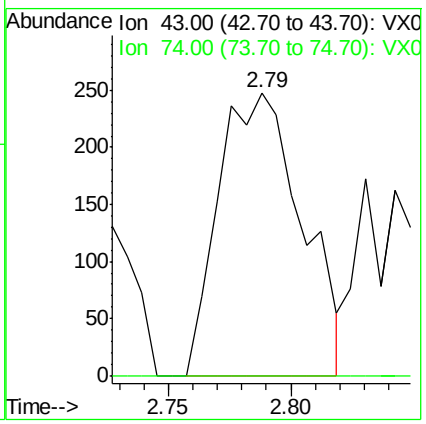


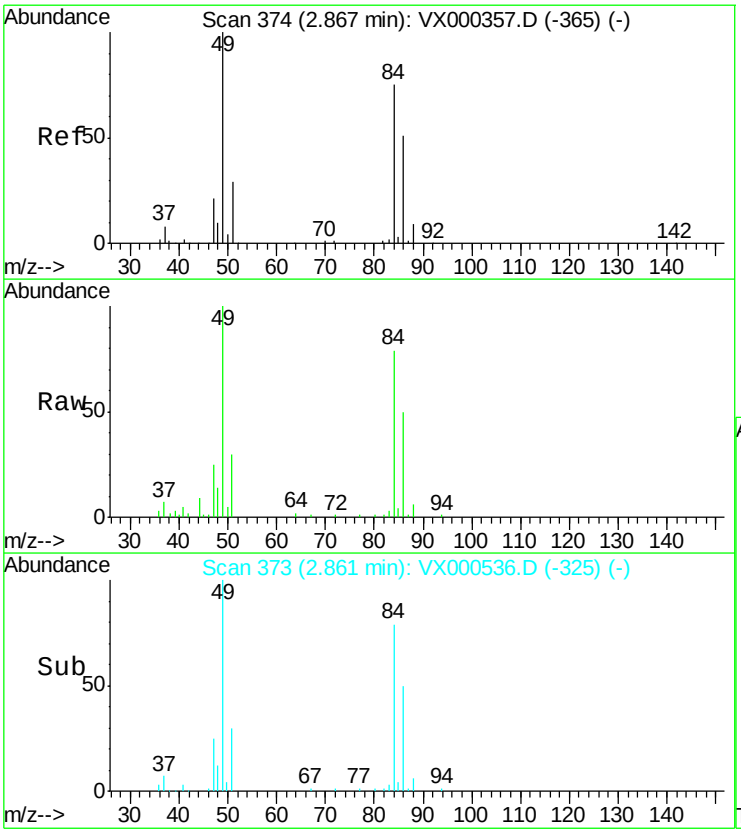

#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion: 43 Resp: 587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 19.4 | 29.2# |

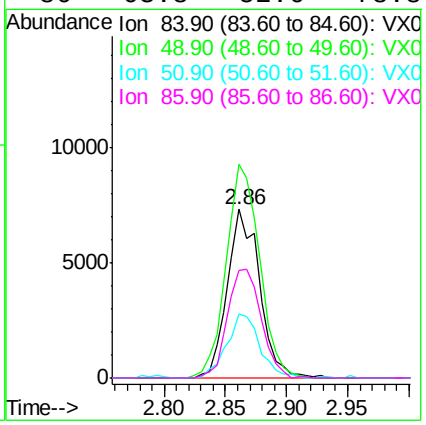


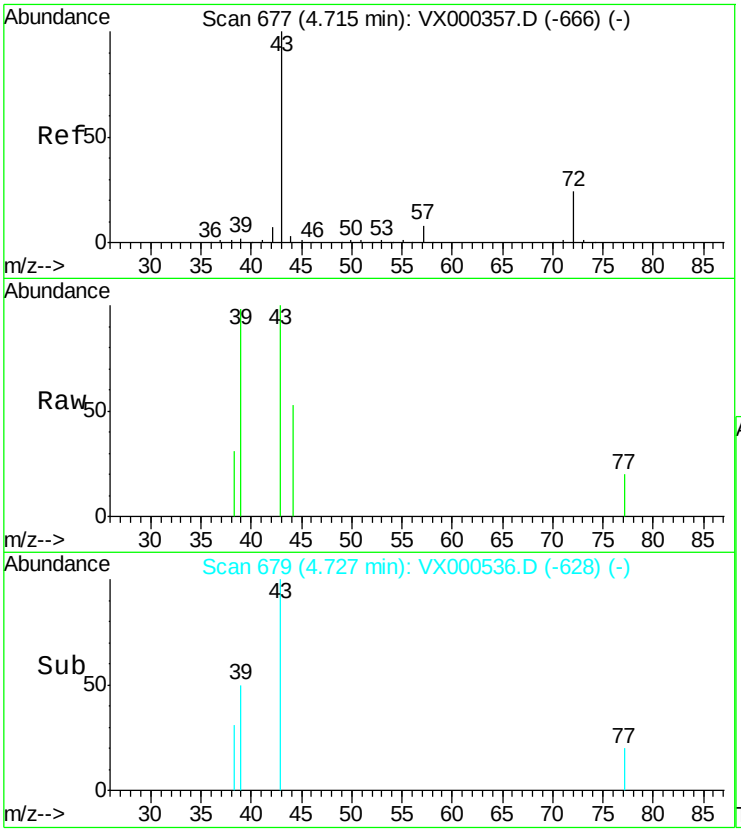




#20
Methylene Chloride
Concen: 9.89 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 84 Resp: 13311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 100.6 | 151.0 |
| 51 | 38.0 | 31.6 | 47.4 |
| 86 | 63.8 | 52.6 | 78.8 |



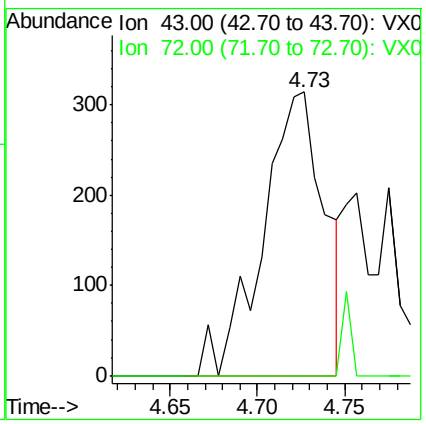


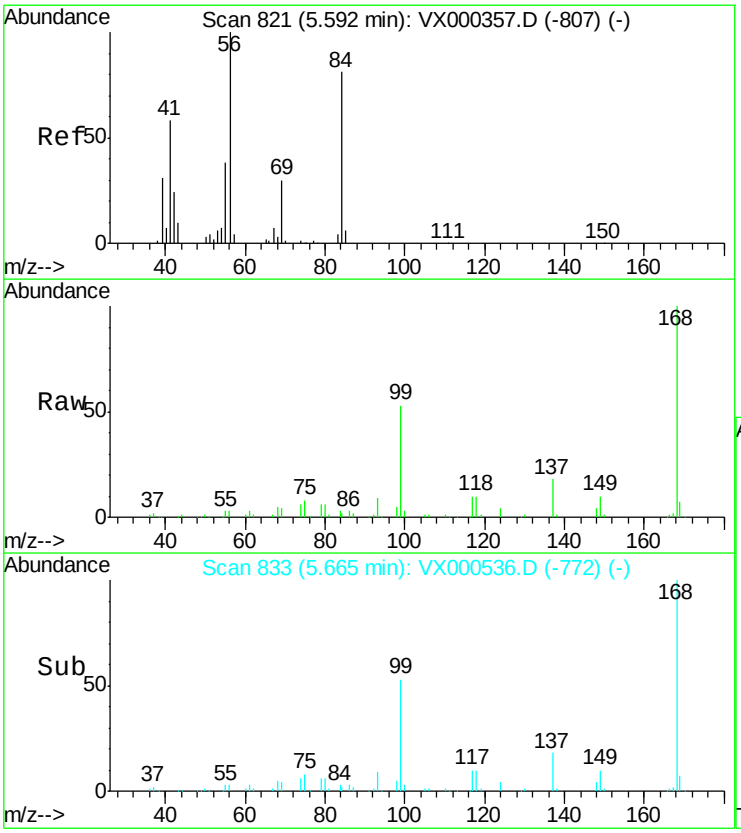

#25
2-Butanone
Concen: 0.59 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion: 43 Resp: 774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 21.0 | 31.6# |

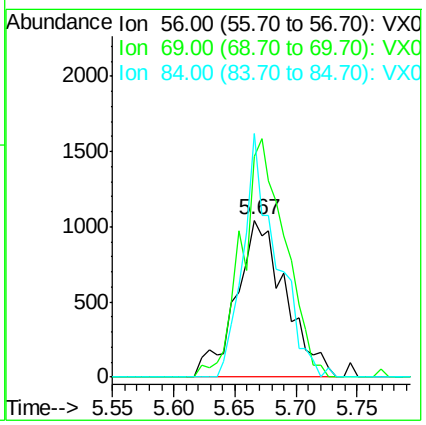


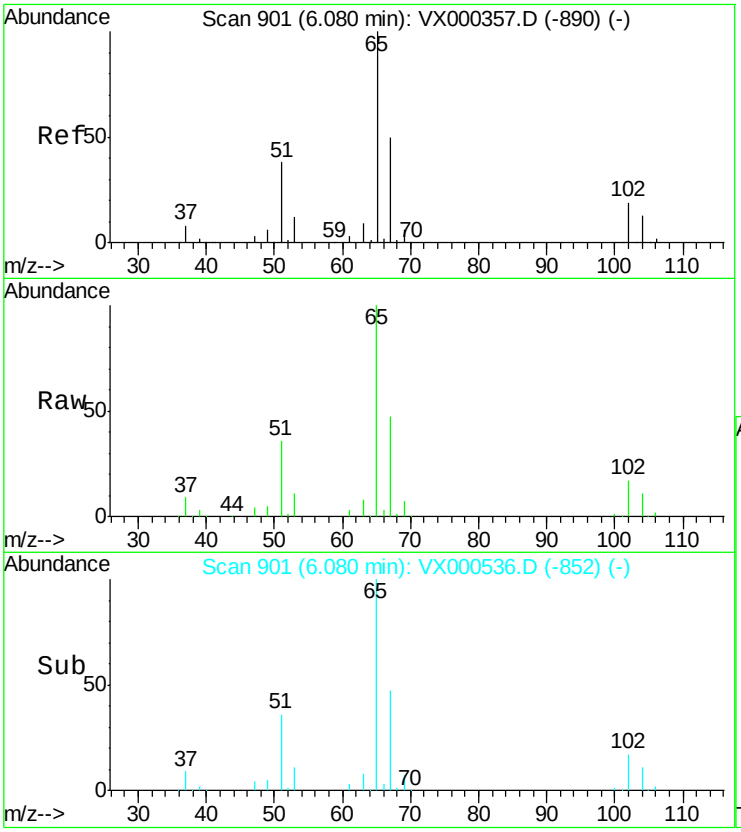




#31
Cyclohexane
Concen: 1.66 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 56 Resp: 2925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 140.3 | 23.4 | 35.0# |
| 84 | 154.9 | 71.0 | 106.4# |



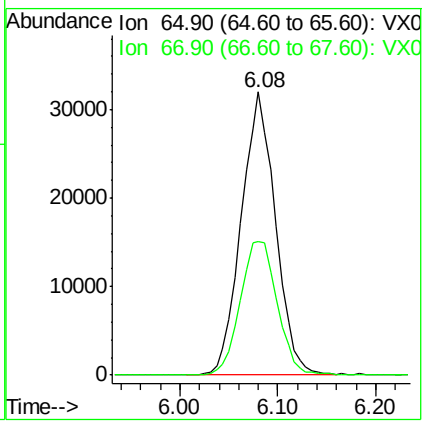


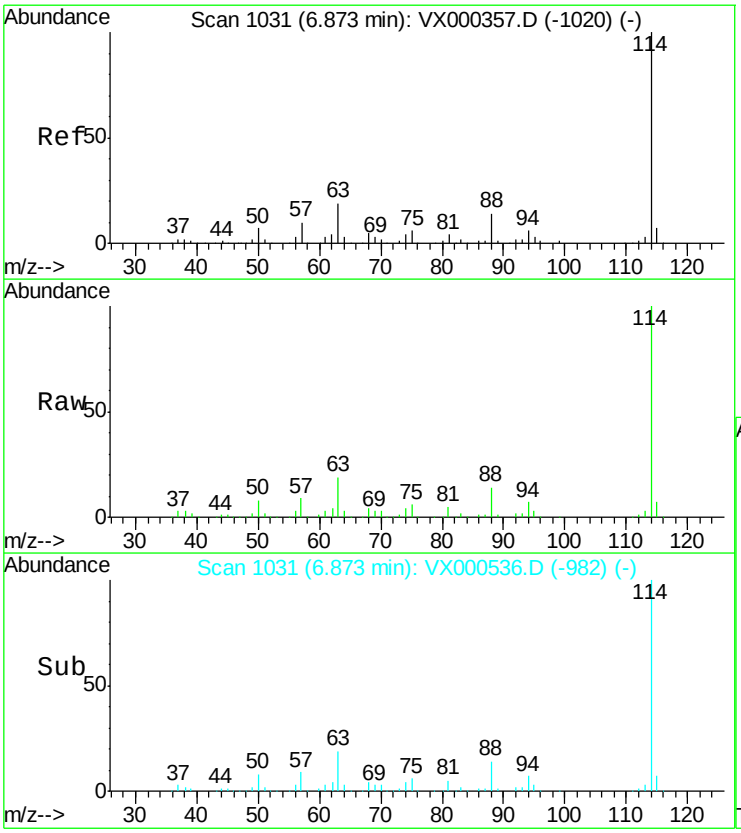

#33
1,2-Dichloroethane-d4
Concen: 55.45 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion: 65 Resp: 77665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 103.2 |

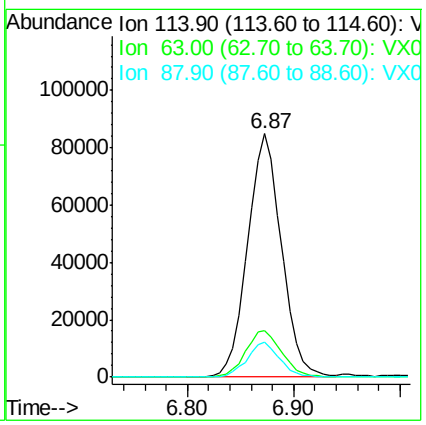


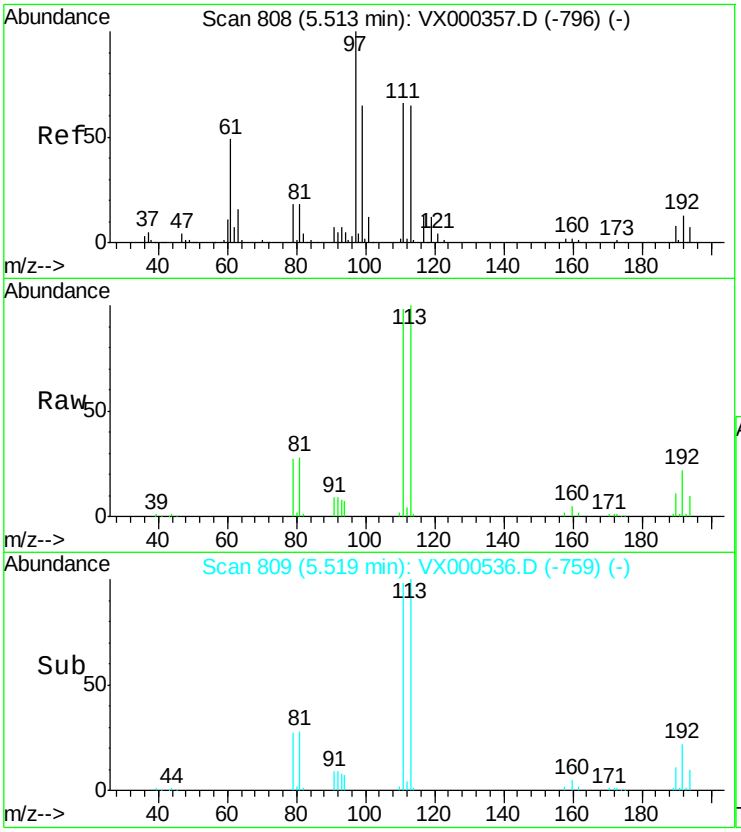




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion:114 Resp: 189667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.0 | 0.0 | 38.4 |
| 88 | 14.4 | 0.0 | 27.0 |



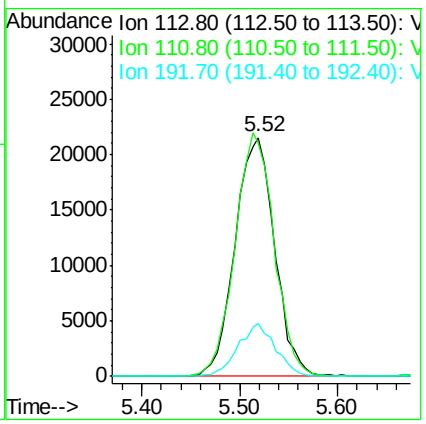


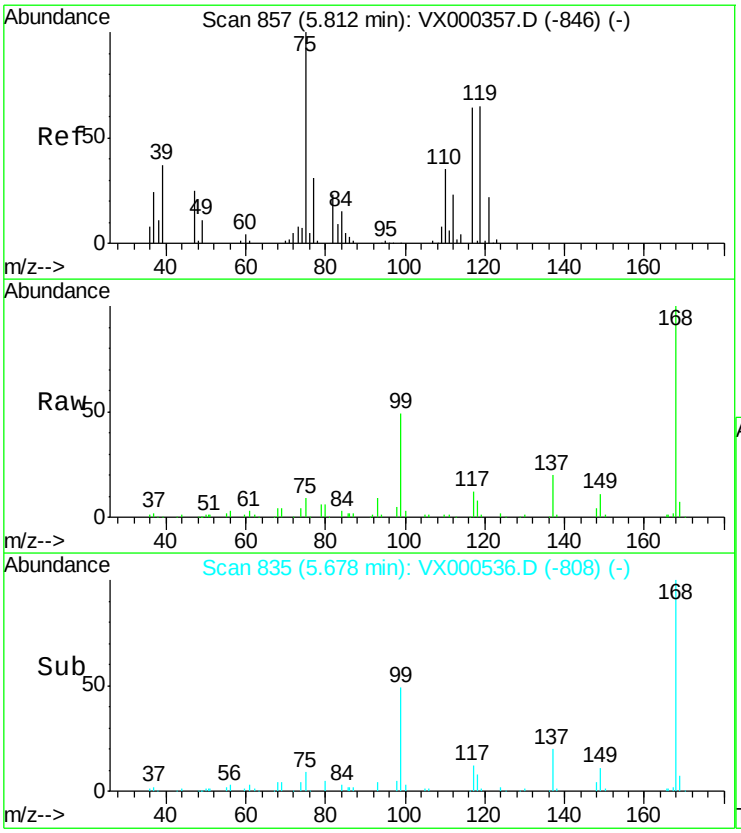

#35
Dibromofluoromethane
Concen: 50.81 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion:113 Resp: 60726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.8 | 82.4 | 123.6 |
| 192 | 21.0 | 15.8 | 23.6 |

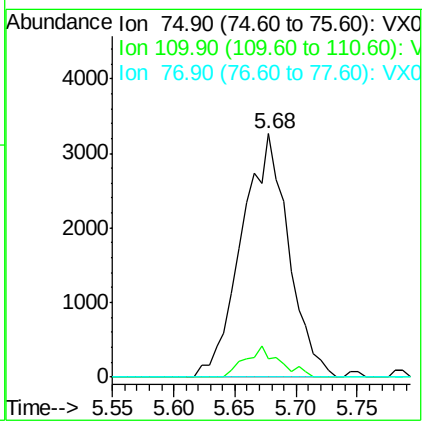


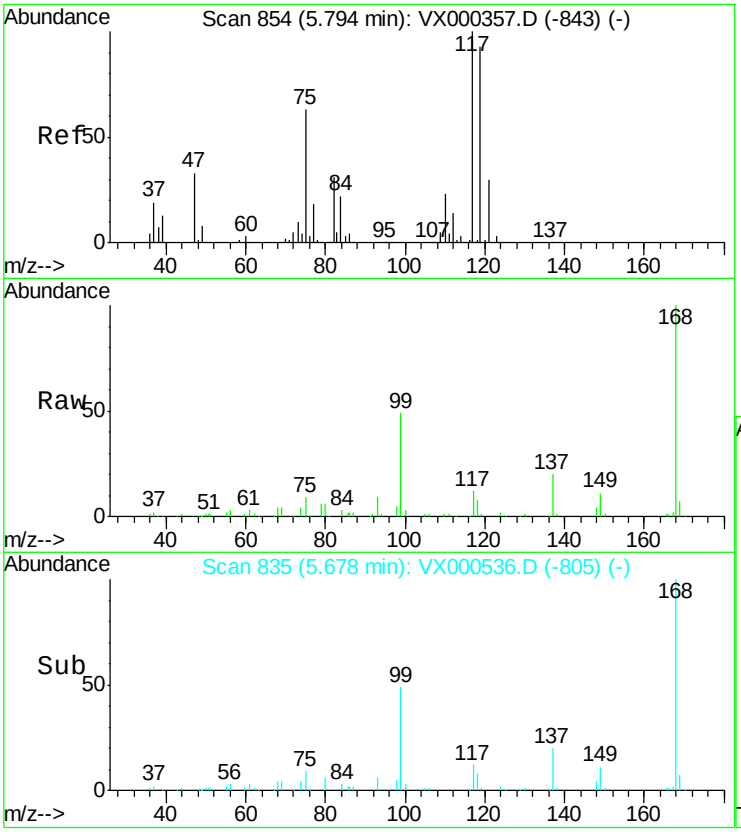




#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.13 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 75 Resp: 8691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 17.9 | 53.7# |
| 77 | 0.0 | 24.0 | 36.0# |



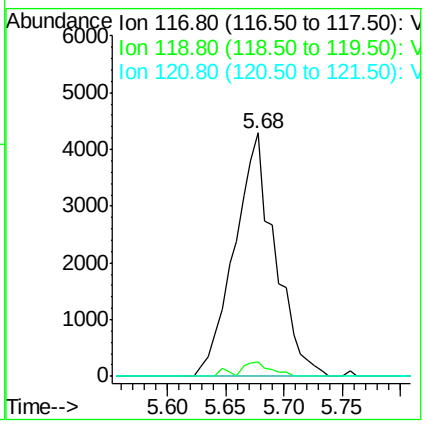


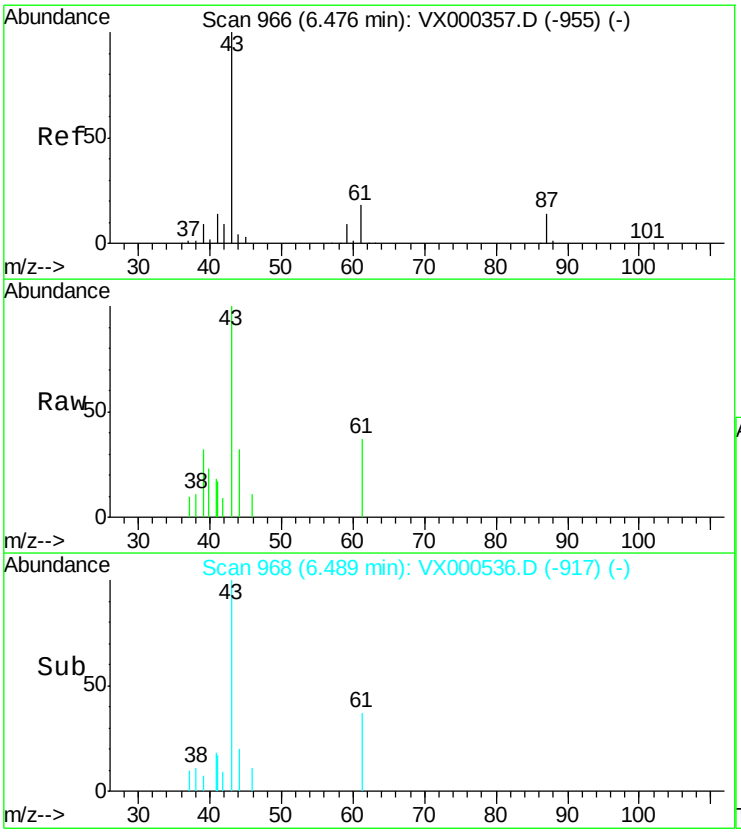

#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion:117 Resp: 10364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.1 | 77.4 | 116.2# |
| 121 | 0.0 | 24.8 | 37.2# |

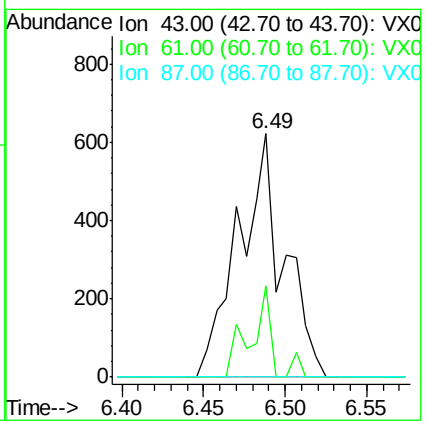


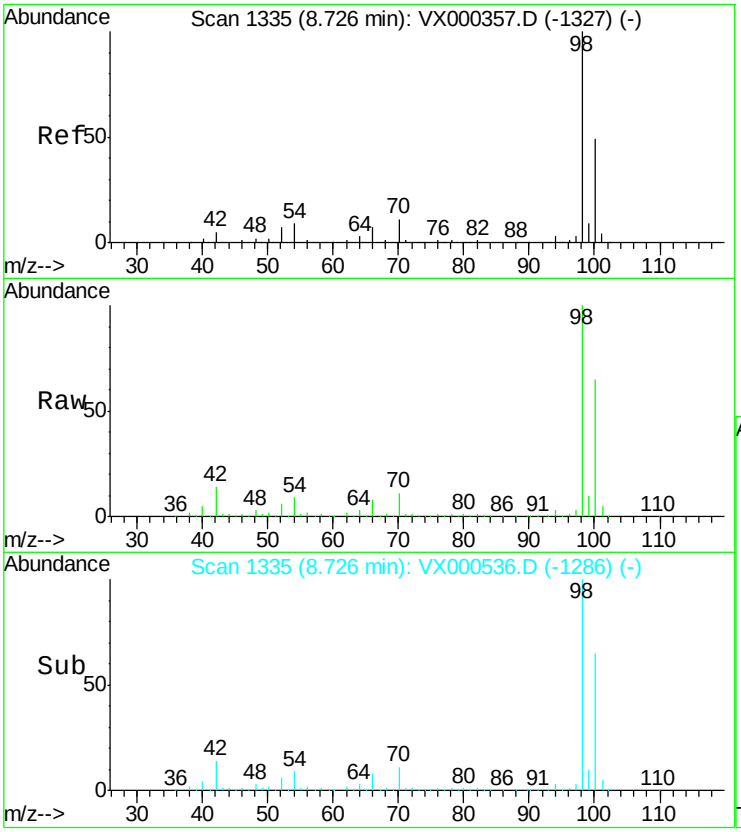




#43
Isopropyl Acetate
Concen: 0.33 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 43 Resp: 1200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.0 | 14.4 | 21.6 |
| 87 | 0.0 | 11.0 | 16.4# |



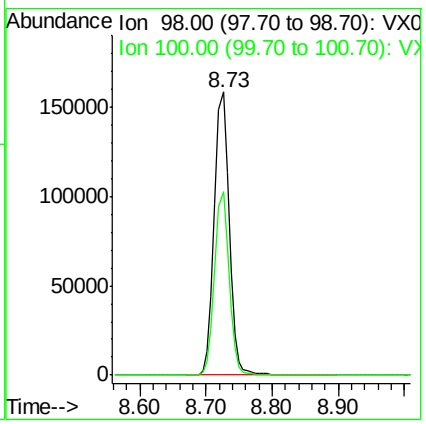


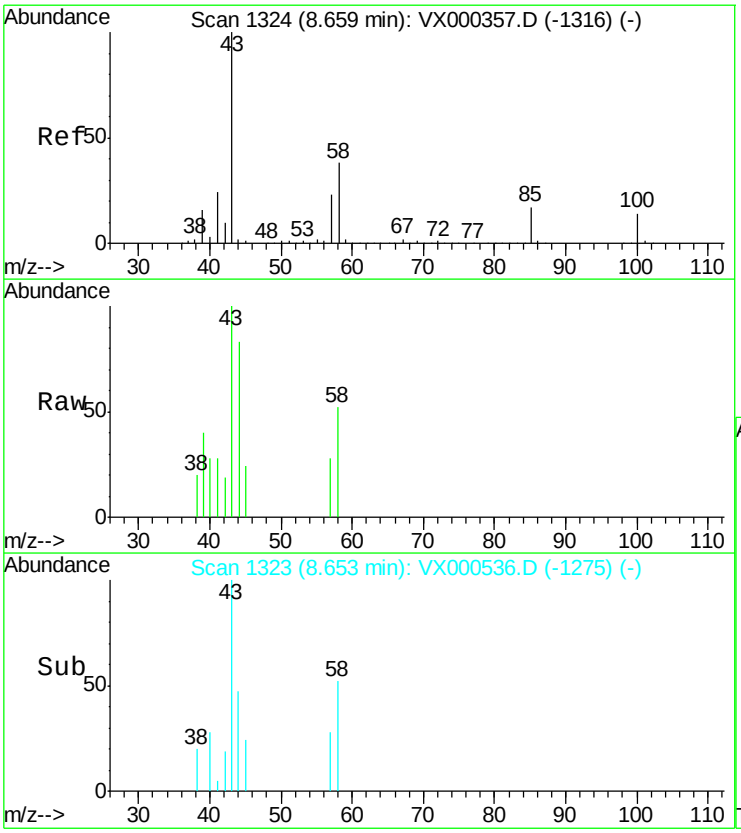

#50
Toluene-d8
Concen: 50.32 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
TR-04-032818

Tgt Ion: 98 Resp: 249063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.5 | 51.2 | 76.8 |

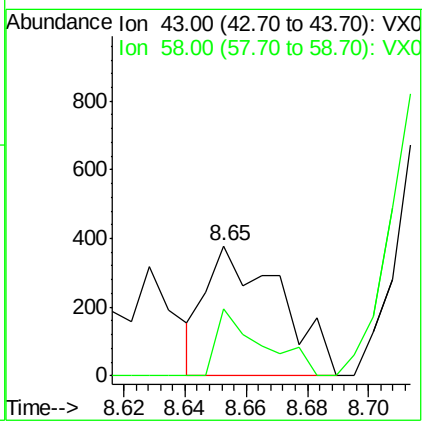


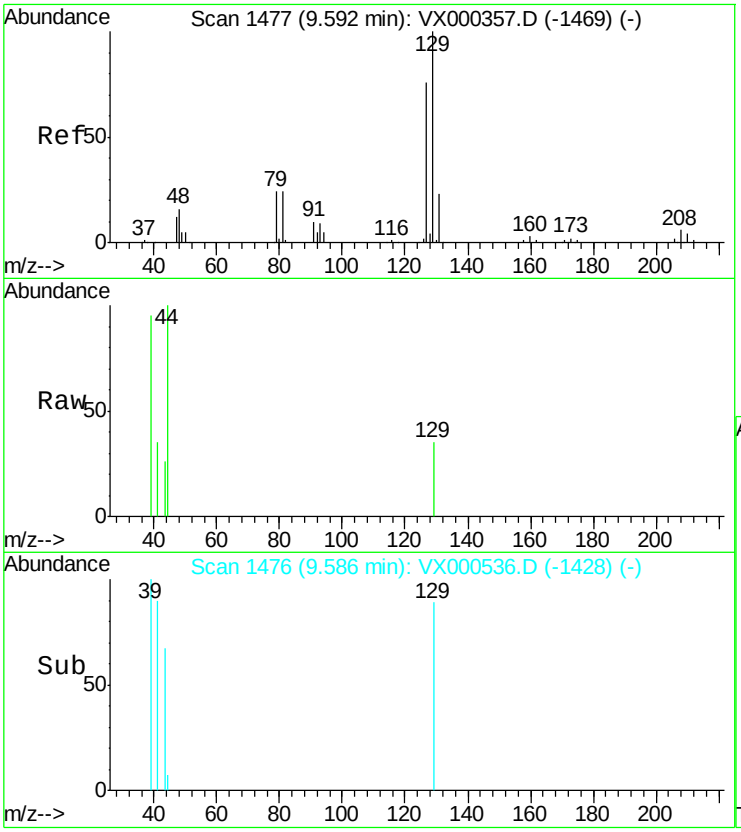




#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 43 Resp: 631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.9 | 30.3 | 45.5 |



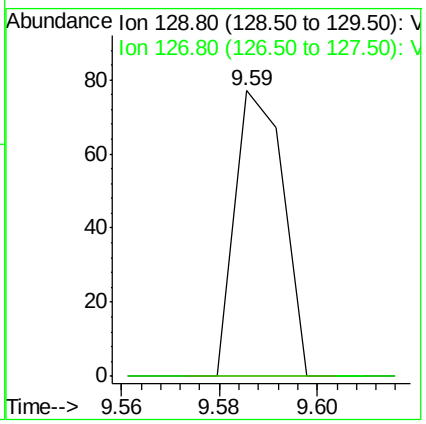


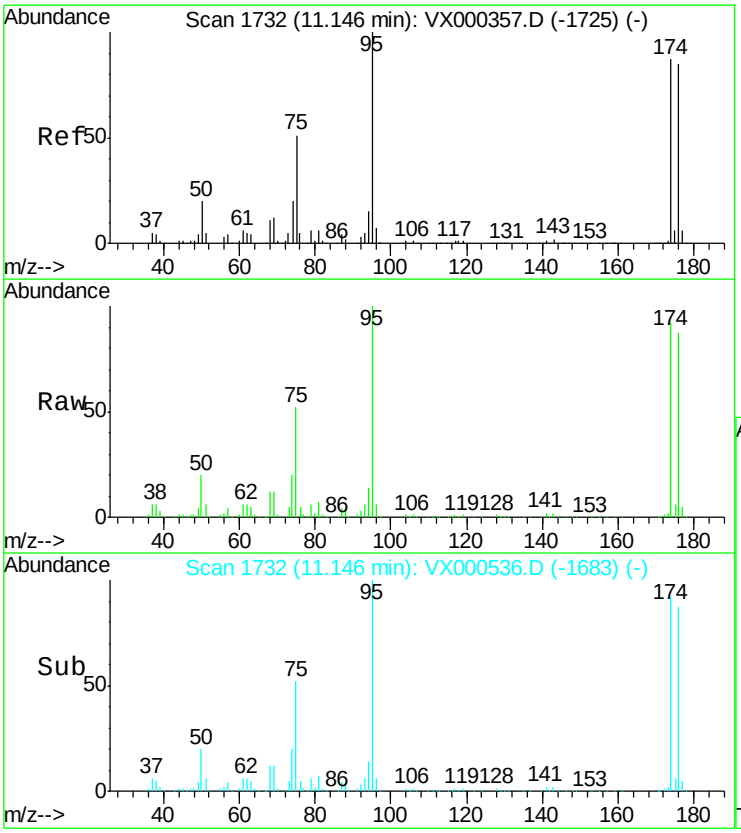

#60
Dibromochloromethane
Concen: 4.14 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion:129 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 37.9 | 113.6# |

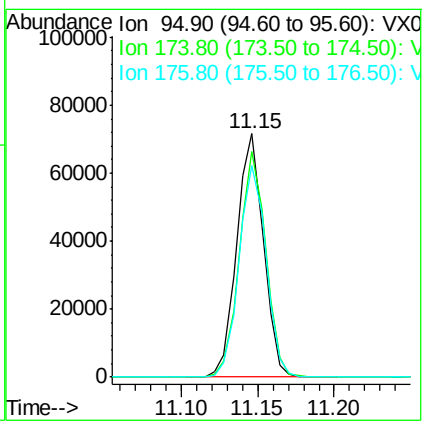


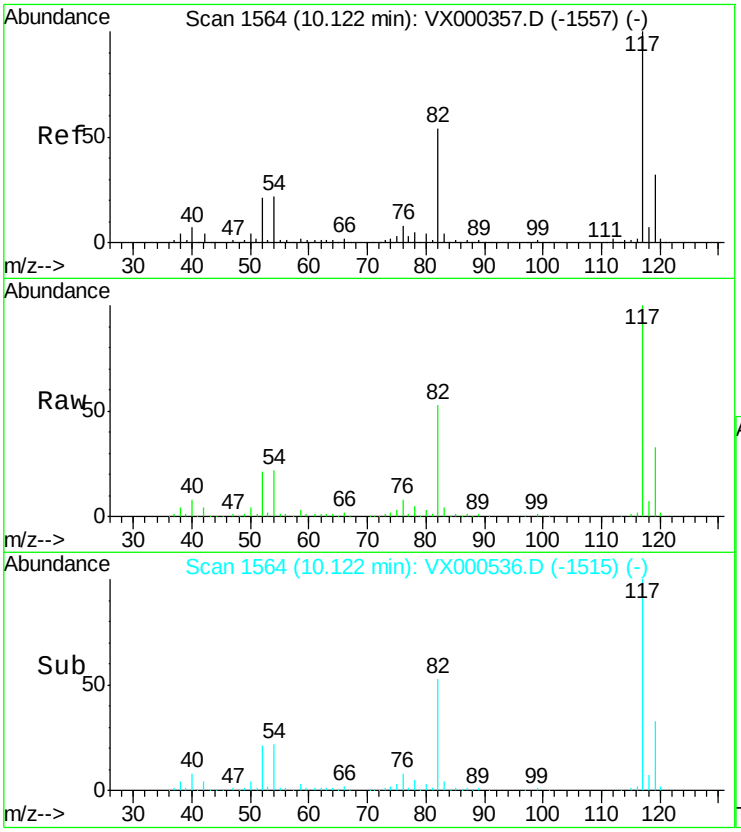




#62
4-Bromofluorobenzene
Concen: 42.44 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 95 Resp: 86529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.9 | 0.0 | 173.6 |
| 176 | 88.0 | 0.0 | 164.6 |



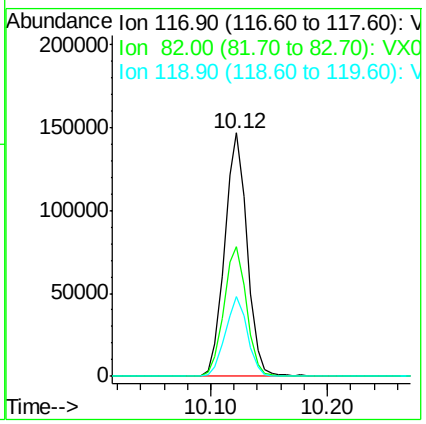


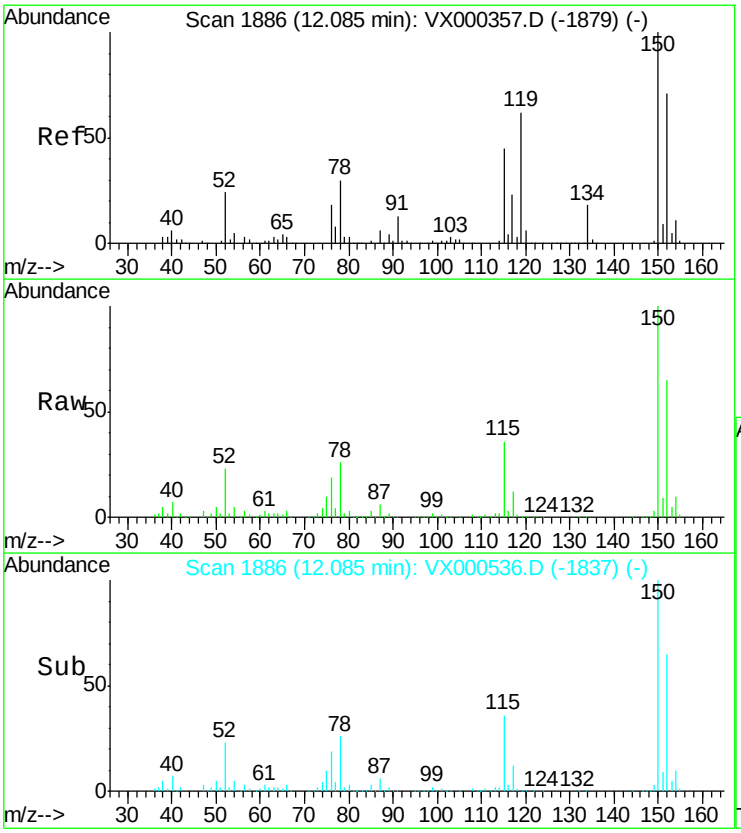

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion:117 Resp: 195544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.4 | 43.8 | 65.8 |
| 119 | 32.6 | 24.9 | 37.3 |

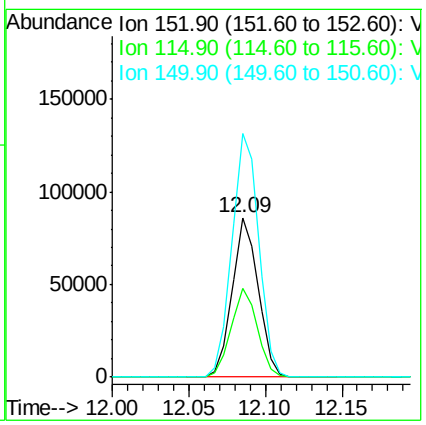


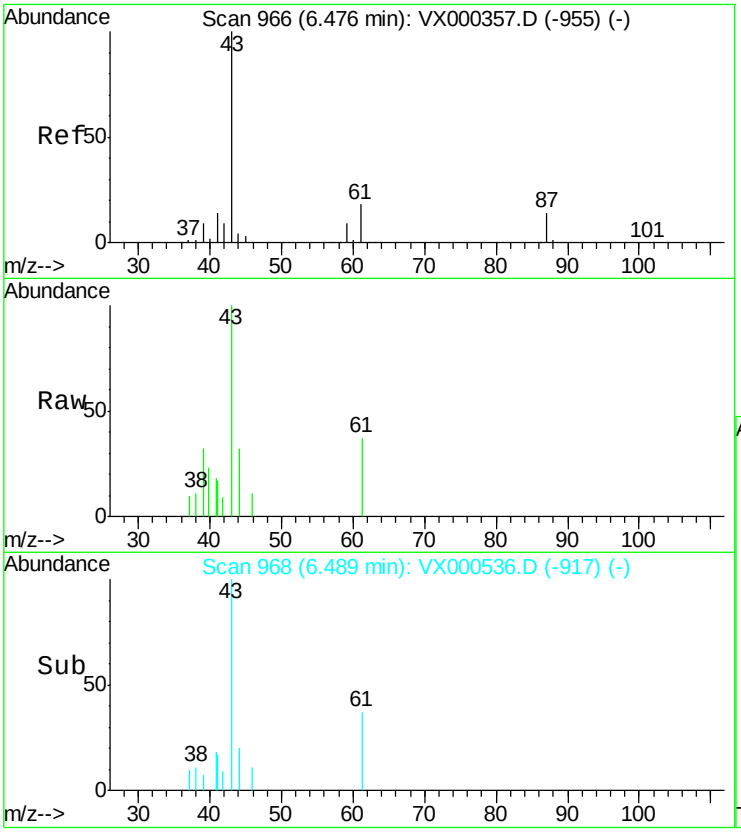




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion:152 Resp: 101539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.8 | 39.8 | 119.3 |
| 150 | 157.1 | 0.0 | 344.4 |



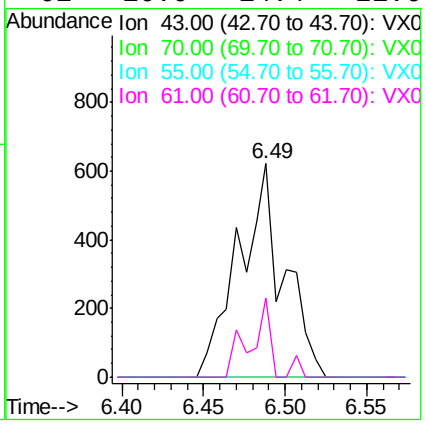


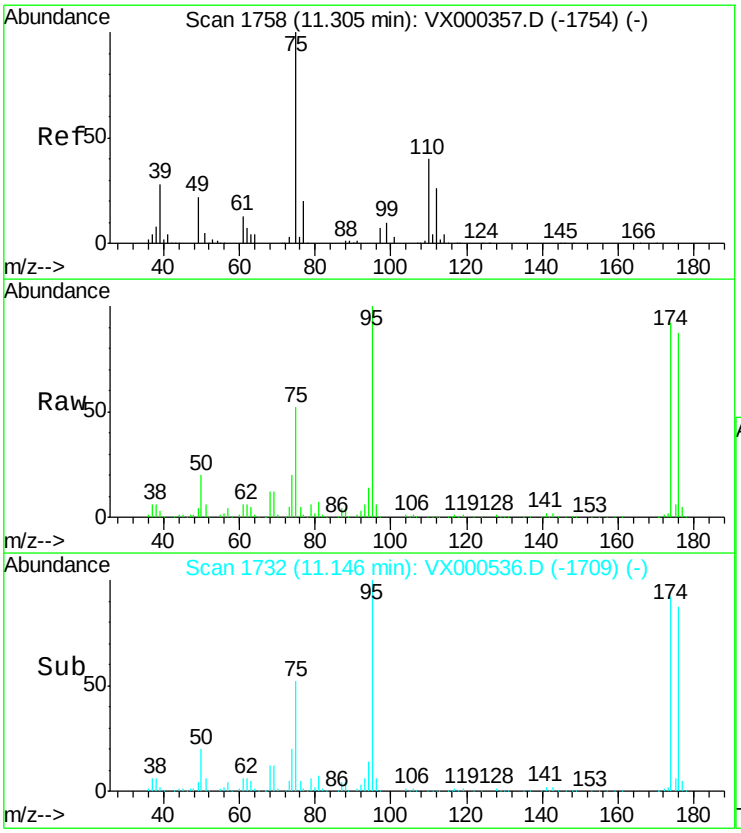

#74
N-amyl acetate
Concen: Below Cal
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion: 43 Resp: 1200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 0.0 | 0.0 |
| 55 | 0.0 | 0.0 | 0.0 |
| 61 | 16.0 | 14.4 | 21.6 |

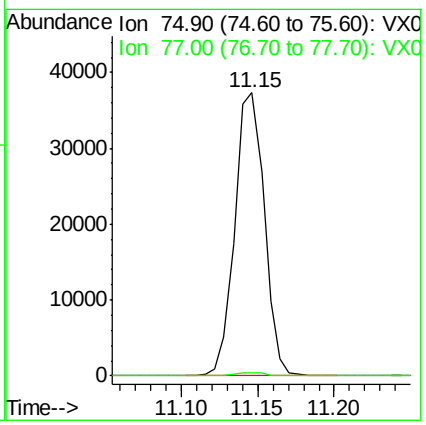


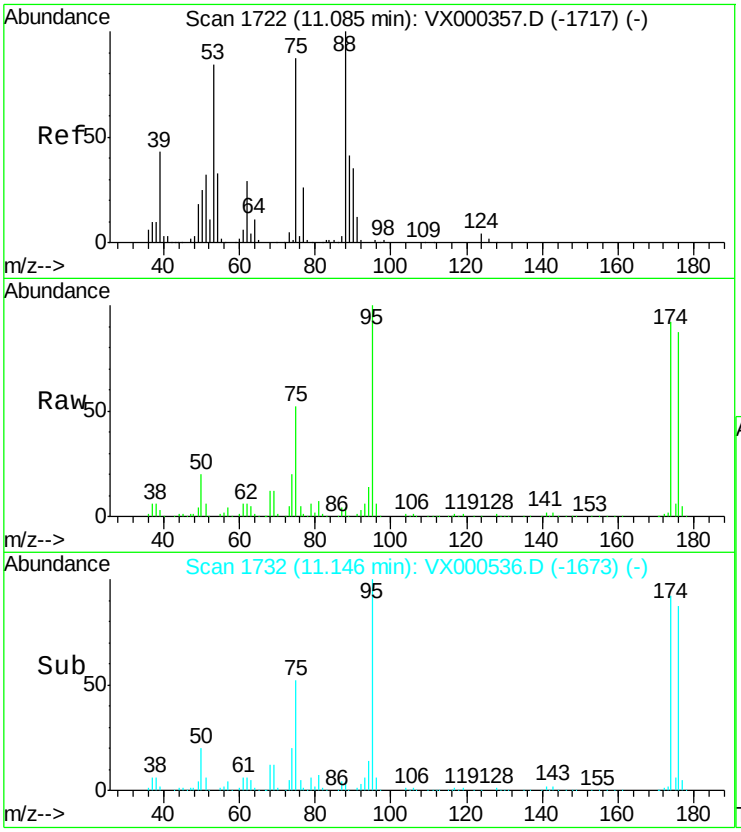




#76
1,2,3-Trichloropropane
Concen: 22.94 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion: 75 Resp: 50059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 21.4 | 64.2# |



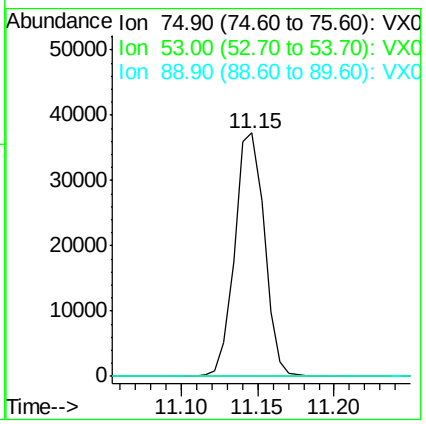


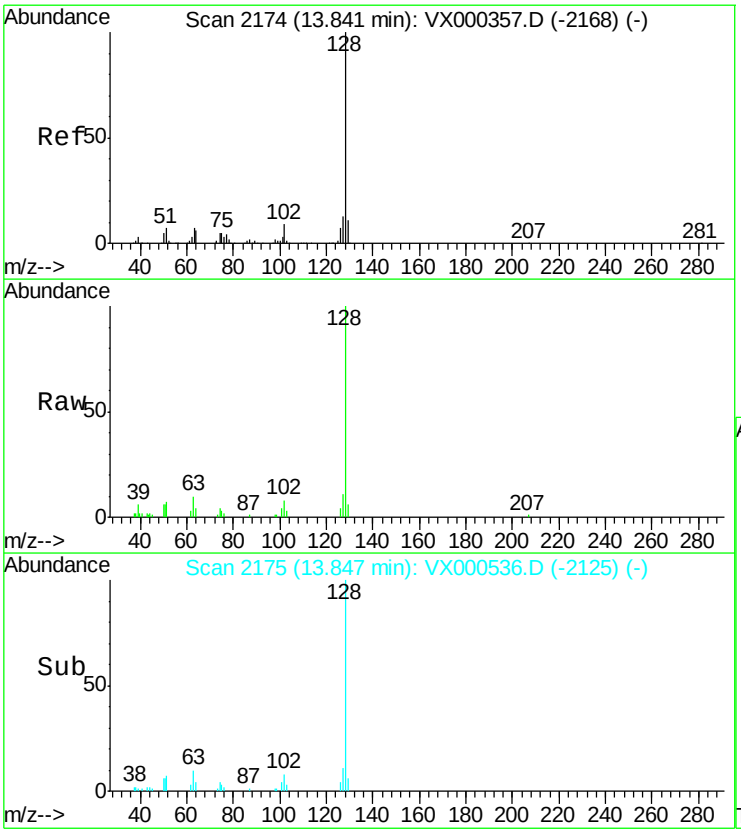

#81
trans-1,4-Dichloro-2-butene
Concen: 74.27 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

**Instrument :** MSVOA_X
**ClientSampleId :** TR-04-032818

Tgt Ion: 75 Resp: 50059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.7 | 121.1# |
| 89 | 0.1 | 39.4 | 59.0# |




#95
Naphthalene
Concen: 0.76 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000536.D
Acq: 30 Mar 2018 02:11

Tgt Ion:128 Resp: 6276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 10.6 | 15.8 |
| 129 | 10.4 | 8.9 | 13.3 |