Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006433.D
Acq On : 11 Dec 2018 20:51
Operator : JC/MD
Sample : J6331-36
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 12 04:39:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 767769 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 1175668 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 1067496 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 522155 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 386735 | 49.34 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 98.68% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 359214 | 47.19 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 94.38% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1380242 | 49.85 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 99.70% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 499935 | 47.92 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 95.84% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 11) Tert butyl alcohol | 3.07 | 59 | 3406 | 1.589 | ug/l | # | 26 |
| 16) Acetone | 2.45 | 43 | 21148 | 5.750 | ug/l | | 97 |
| 18) Methyl Acetate | 2.78 | 43 | 29407 | 2.391 | ug/l | | 98 |
| 20) Methylene Chloride | 2.86 | 84 | 49856 | 6.369 | ug/l | | 93 |
| 25) 2-Butanone | 4.70 | 43 | 17863 | 3.404 | ug/l | | 95 |
| 29) Tetrahydrofuran | 5.17 | 42 | 1514 | 0.415 | ug/l | # | 46 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 48497 | 4.899 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 69813 | 5.994 | ug/l | # | 15 |
| 39) Methylcyclohexane | 7.48 | 83 | 3092 | 0.241 | ug/l | # | 58 |
| 43) Isopropyl Acetate | 6.46 | 43 | 45653 | 2.470 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.68 | 41 | 19709 | 2.192 | ug/l | # | 13 |
| 49) 1,4-Dioxane | 7.78 | 88 | 143 | 0.645 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 169262 | 15.729 | ug/l | # | 49 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 89299 | 6.977 | ug/l | # | 60 |
| 57) 1,3-Dichloropropane | 9.54 | 76 | 21008 | 1.676 | ug/l | # | 42 |
| 59) 2-Hexanone | 9.54 | 43 | 250257 | 30.439 | ug/l | # | 50 |
| 68) m/p-Xylenes | 10.36 | 106 | 8205 | 0.543 | ug/l | | 98 |
| 69) o-Xylene | 10.70 | 106 | 2998 | 0.201 | ug/l | | 71 |
| 74) N-amyl acetate | 10.83 | 43 | 3246 | 0.209 | ug/l | # | 50 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 230539 | 22.874 | ug/l | # | 38 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 10114 | 0.337 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 230539 | 53.680 | ug/l | # | 15 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 30448 | 0.983 | ug/l | | 99 |
| 95) Naphthalene | 13.83 | 128 | 75020 | 1.871 | ug/l | | 100 |

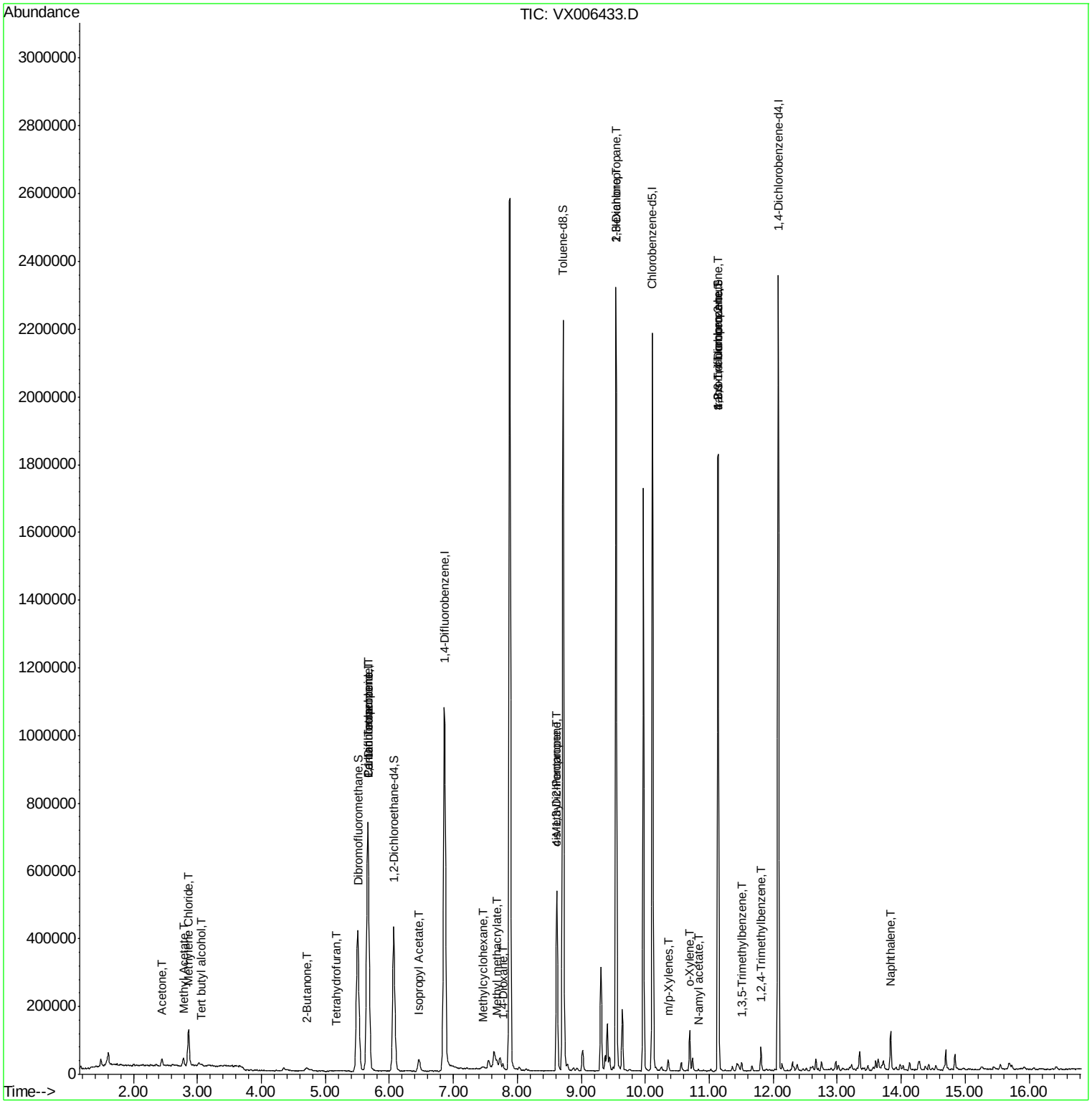
(#) = qualifier out of range (m) = manual integration (+) = signals summed

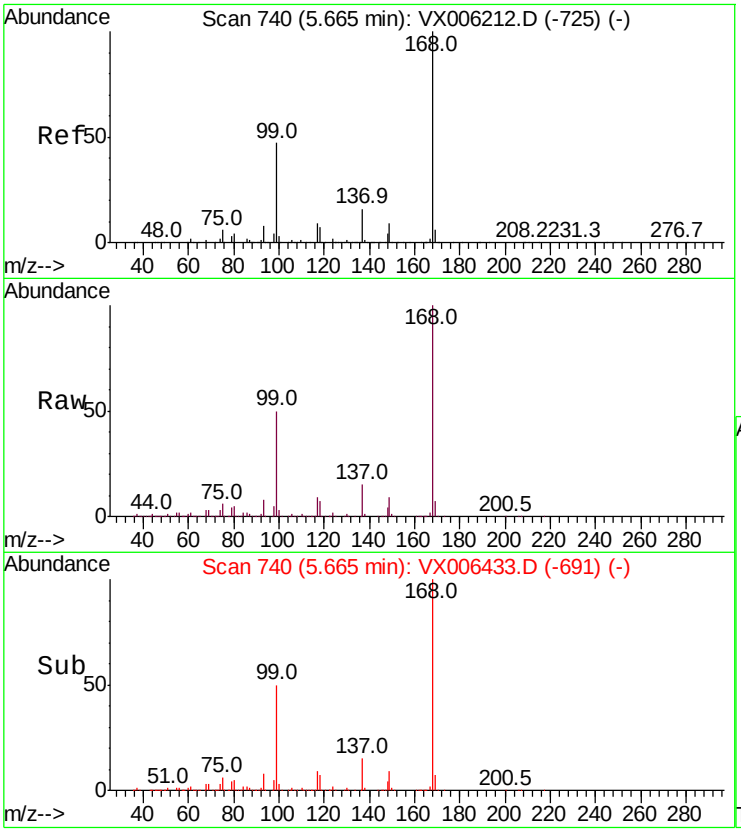
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121118\
Data File : VX006433.D
Acq On : 11 Dec 2018 20:51
Operator : JC/MD
Sample : J6331-36
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 12 04:39:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration



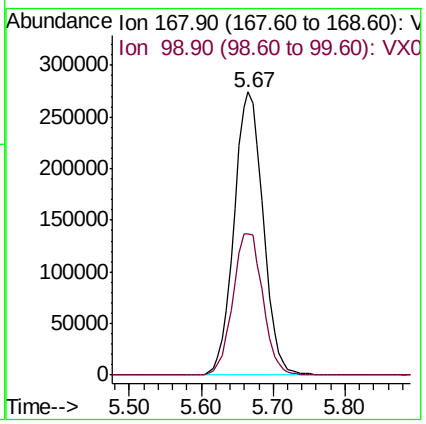


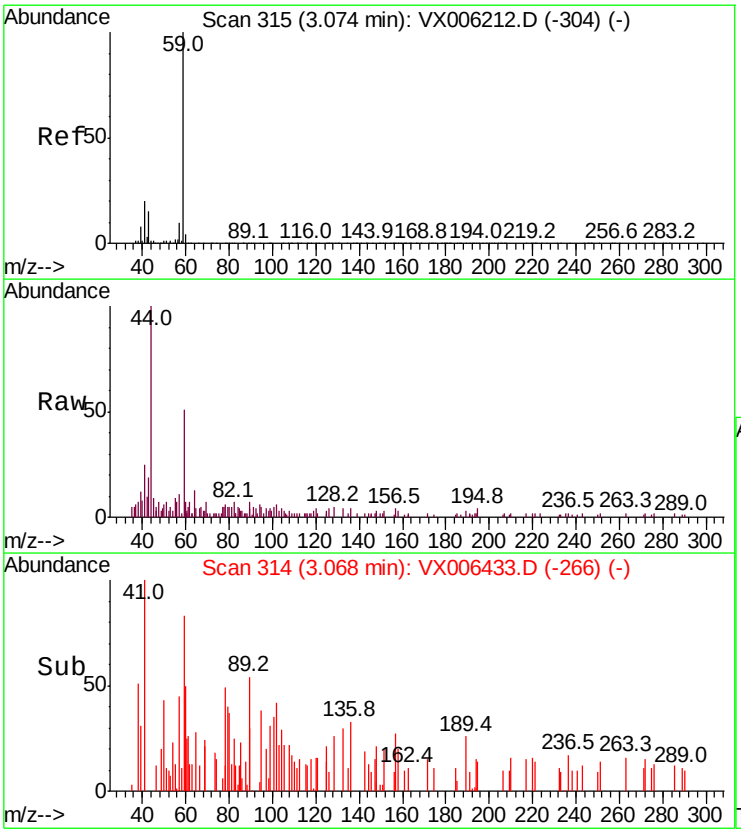

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:168 Resp: 767769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.8 | 37.8 | 56.8 |

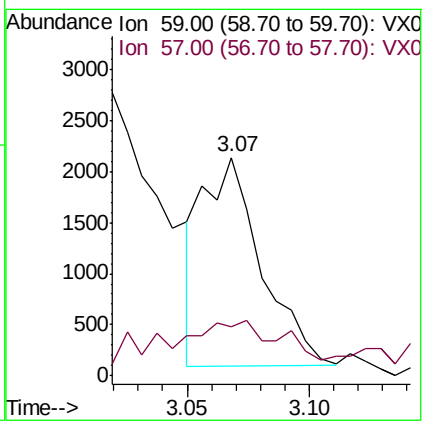


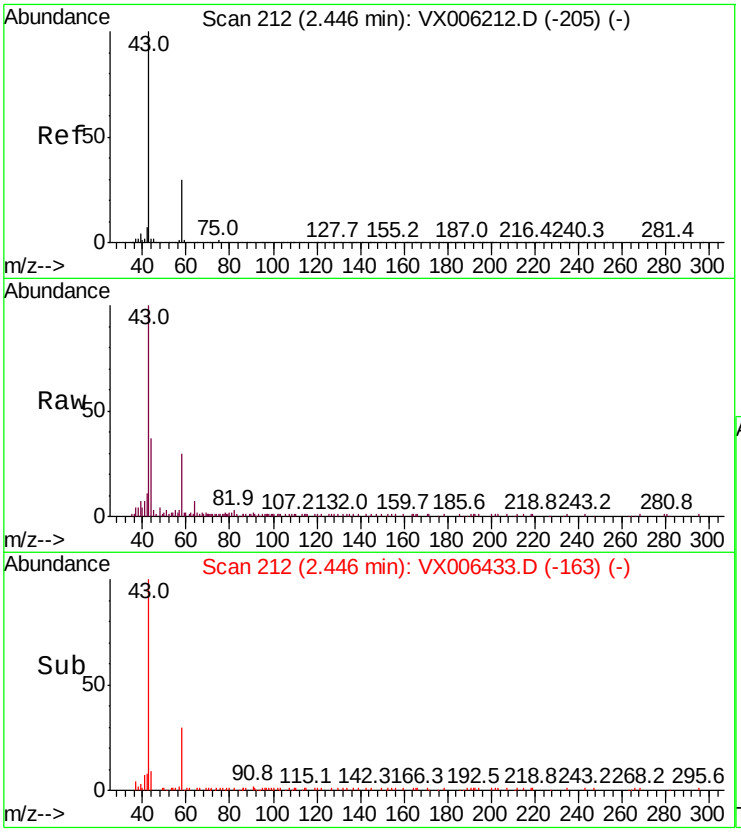




#11
Tert butyl alcohol
Concen: 1.589 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 59 Resp: 3406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 37.6 | 8.2 | 12.2# |



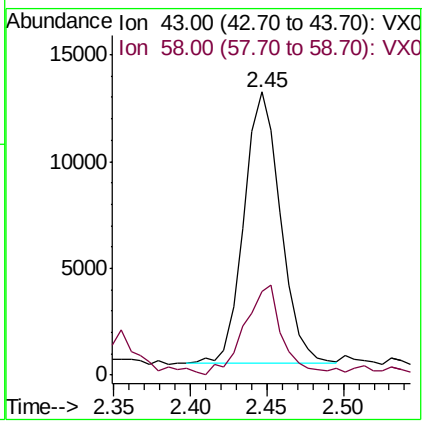


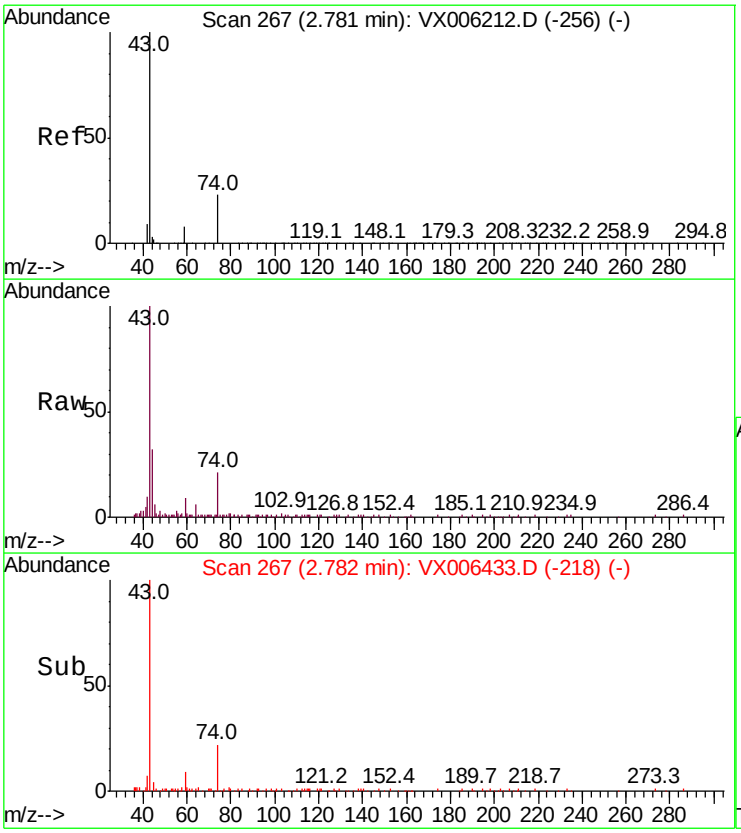

#16
Acetone
Concen: 5.750 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 43 Resp: 21148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 24.0 | 36.0 |

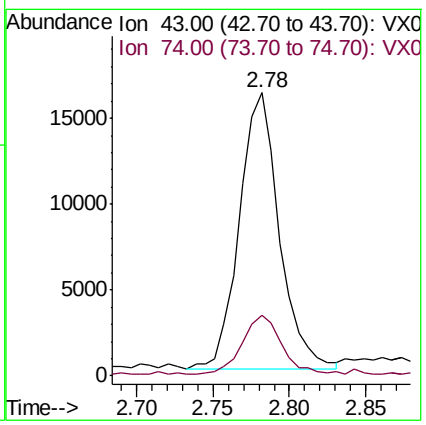


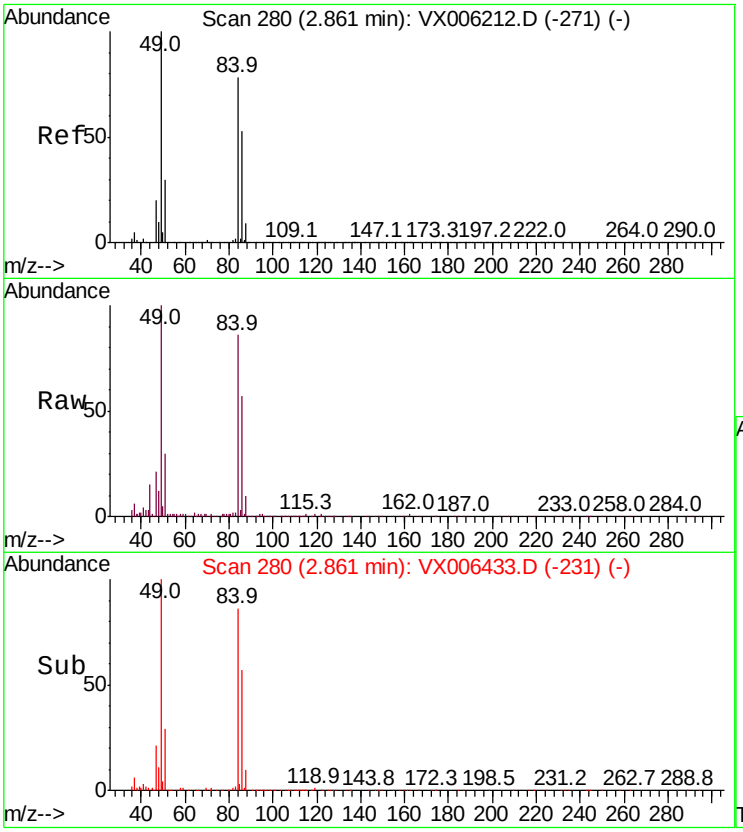




#18
Methyl Acetate
Concen: 2.391 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 43 Resp: 29407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.2 | 17.9 | 26.9 |



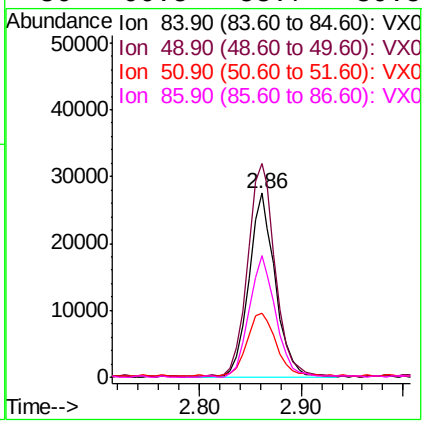


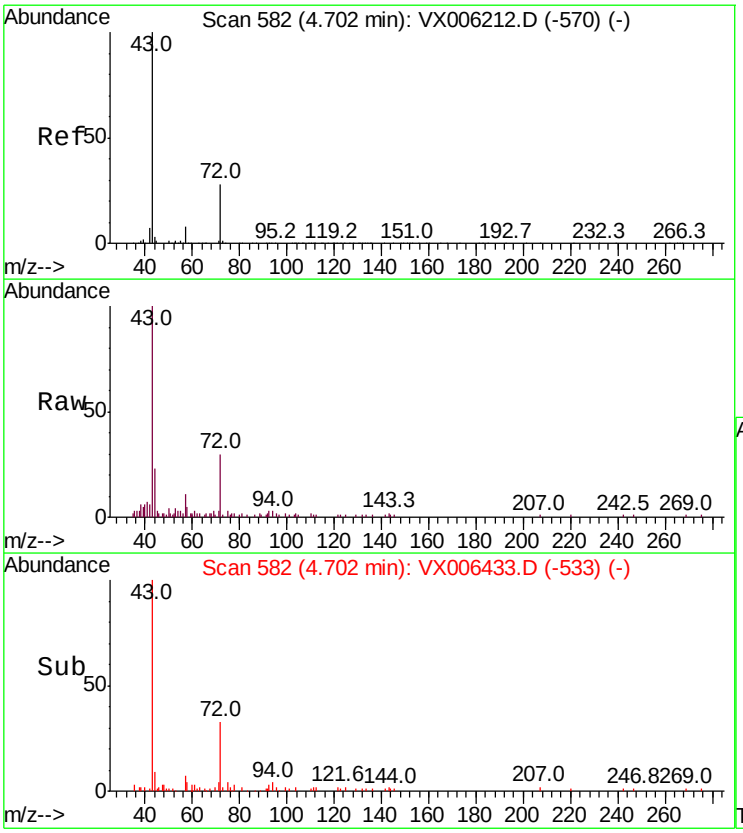

#20
Methylene Chloride
Concen: 6.369 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 84 Resp: 49856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.2 | 102.2 | 153.4 |
| 51 | 34.2 | 31.1 | 46.7 |
| 86 | 66.5 | 53.7 | 80.5 |

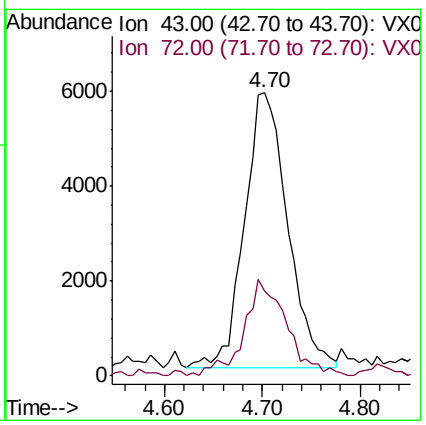


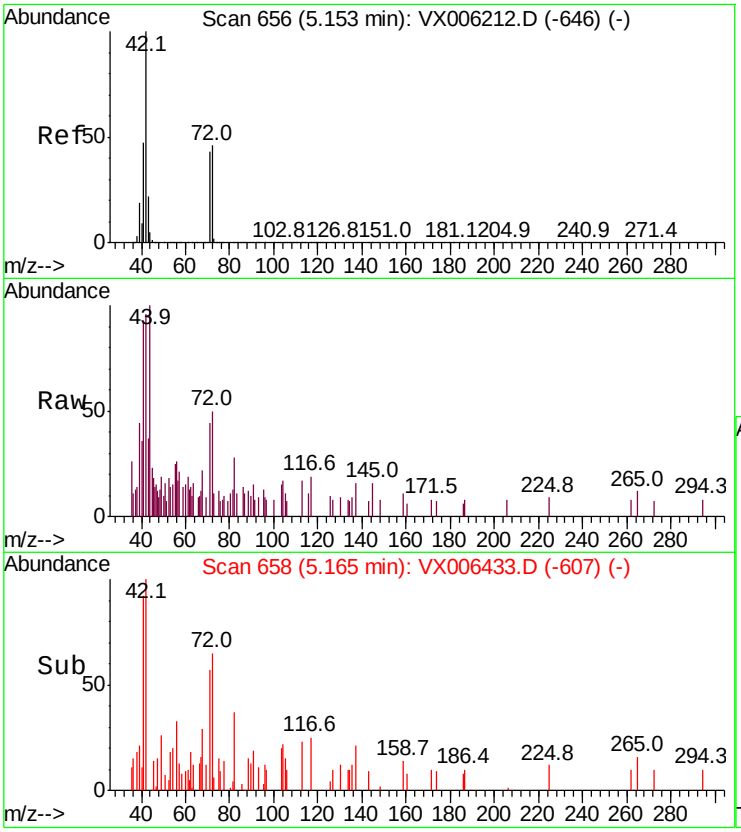




#25
2-Butanone
Concen: 3.404 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 43 Resp: 17863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.7 | 22.6 | 33.8 |



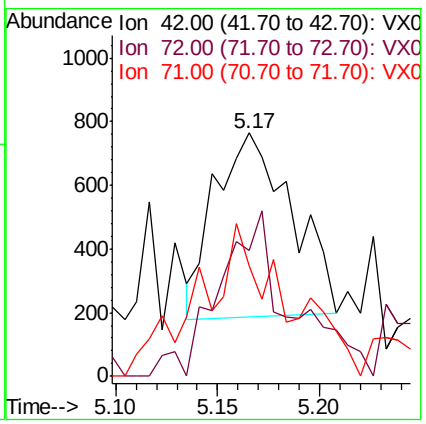


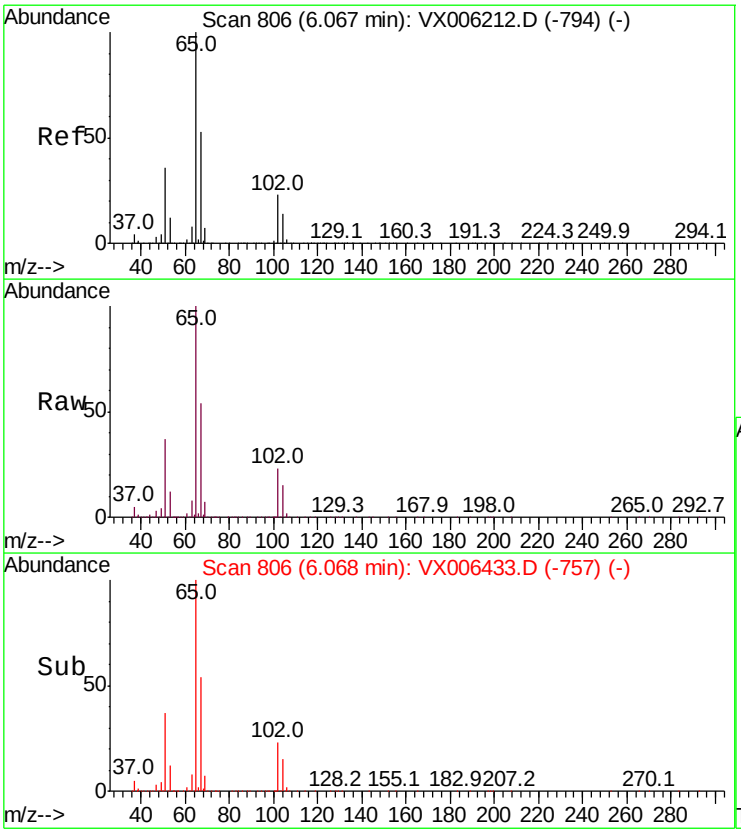

#29
Tetrahydrofuran
Concen: 0.415 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 42 Resp: 1514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 83.9 | 37.8 | 56.8# |
| 71 | 78.6 | 35.2 | 52.8# |

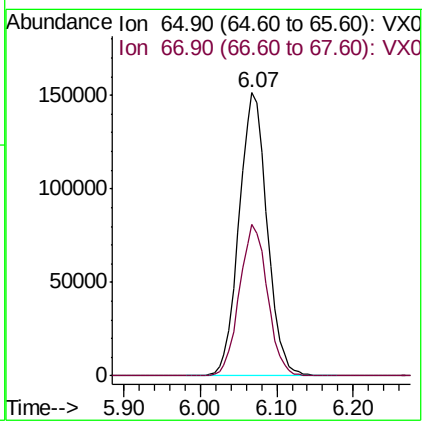


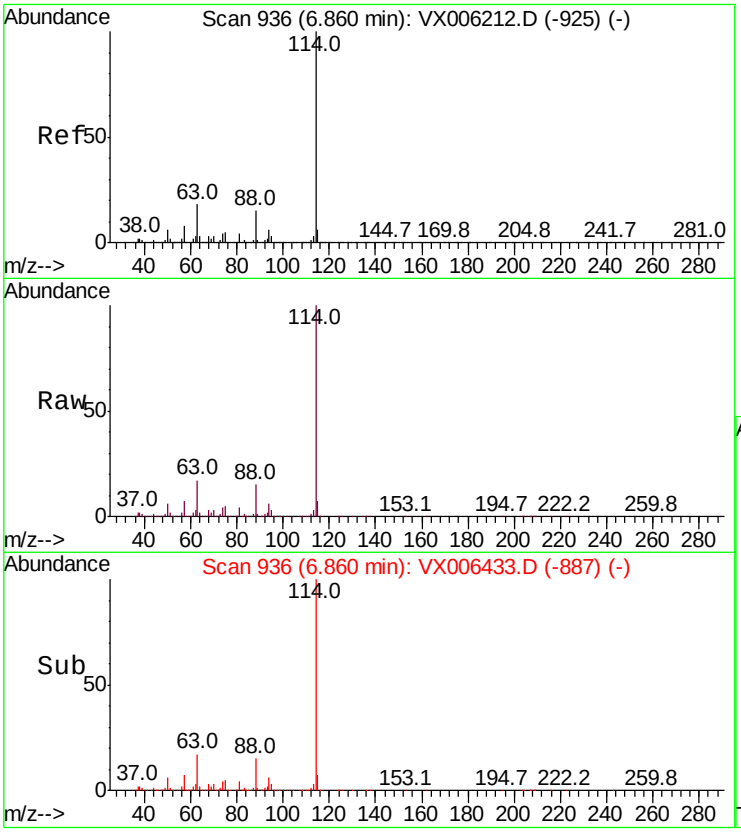




#33
1,2-Dichloroethane-d4
Concen: 49.343 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 65 Resp: 386735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 107.2 |



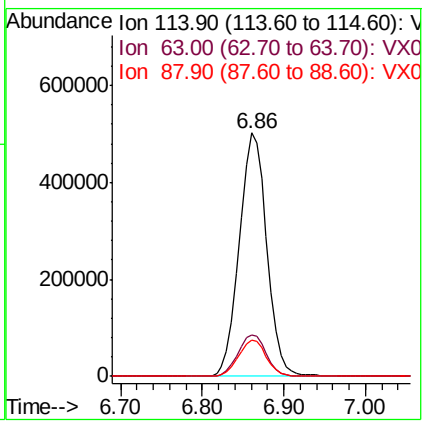


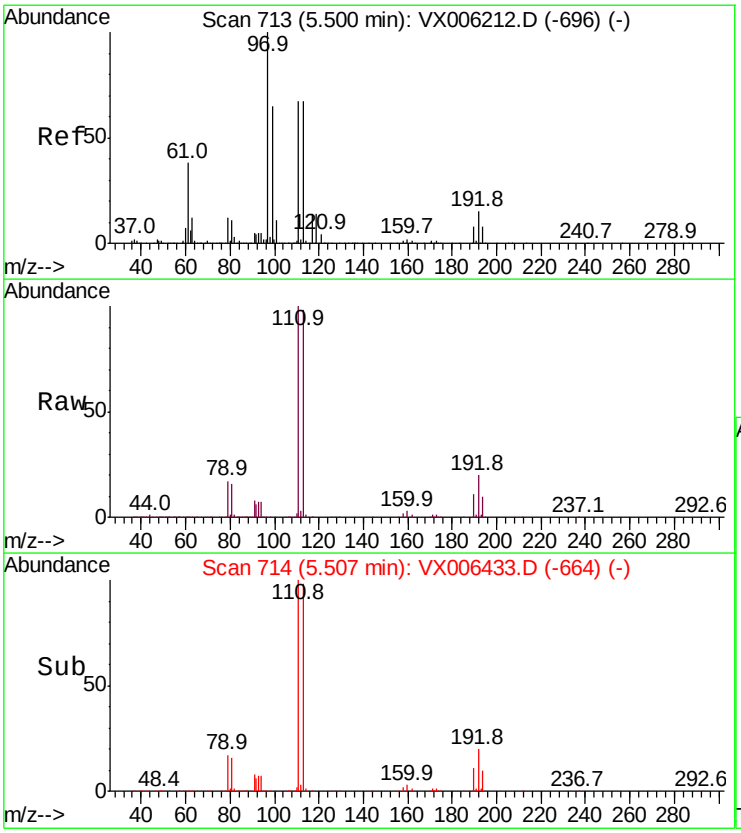

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:114 Resp: 1175668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.2 | 0.0 | 36.6 |
| 88 | 15.1 | 0.0 | 29.0 |

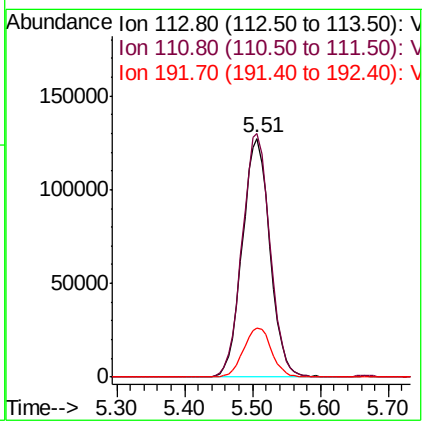


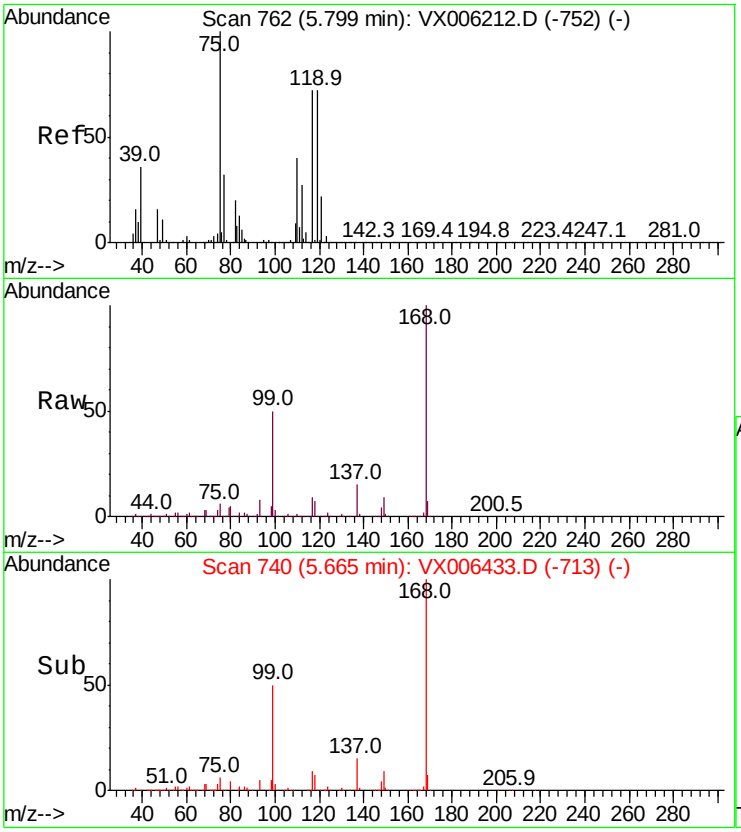




#35
Dibromofluoromethane
Concen: 47.191 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion:113 Resp: 359214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 81.1 | 121.7 |
| 192 | 20.9 | 18.2 | 27.2 |



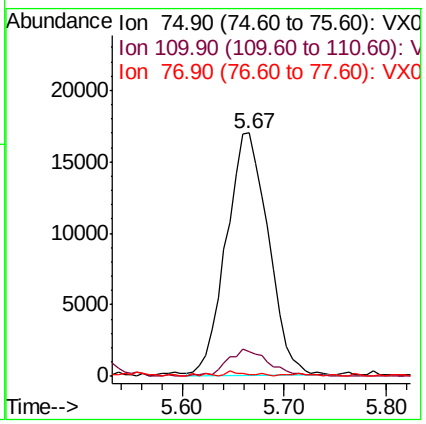


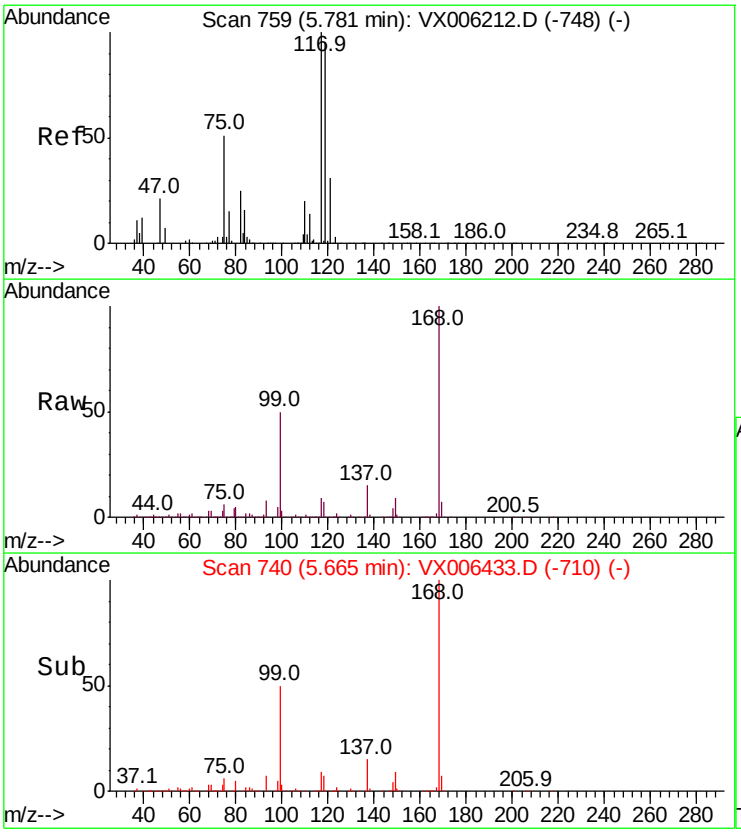

#36
1,1-Dichloropropene
Concen: 4.899 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 75 Resp: 48497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.0 | 20.4 | 61.3# |
| 77 | 1.0 | 24.9 | 37.3# |

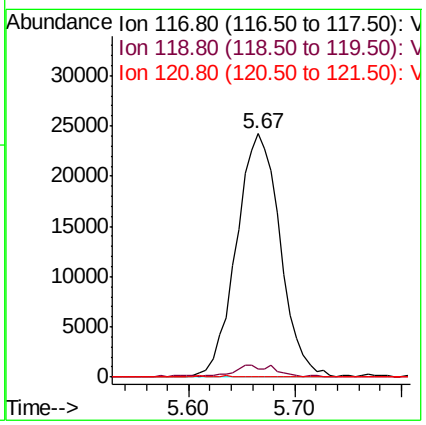


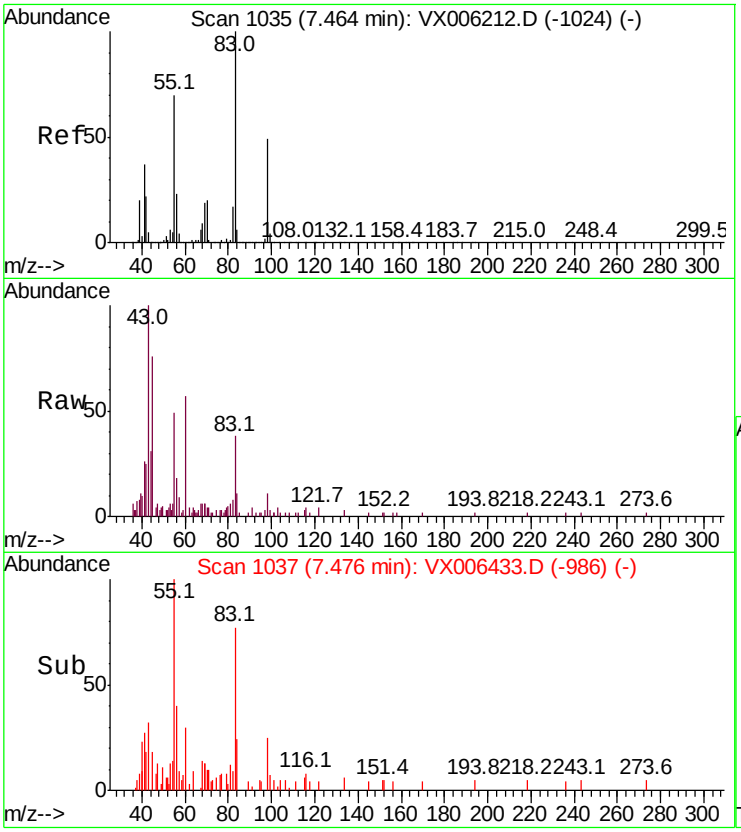




#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion:117 Resp: 69813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.2 | 75.8 | 113.8# |
| 121 | 0.0 | 24.6 | 37.0# |



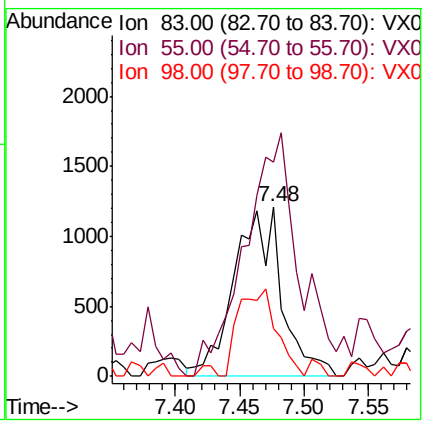


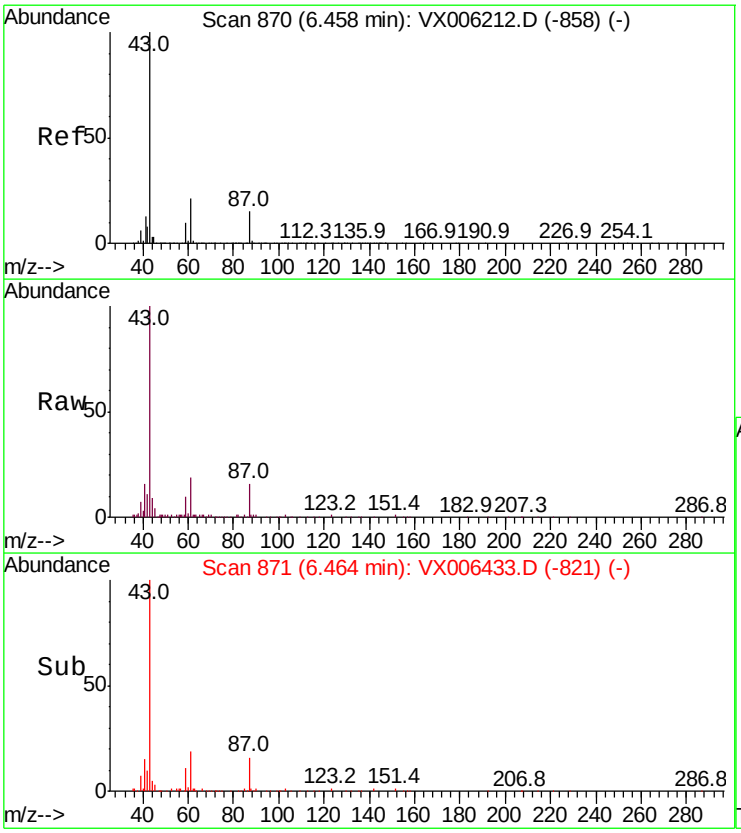

#39
Methylcyclohexane
Concen: 0.241 ug/l
RT: 7.48 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 83 Resp: 3092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 111.8 | 56.4 | 84.6# |
| 98 | 28.5 | 39.0 | 58.6# |

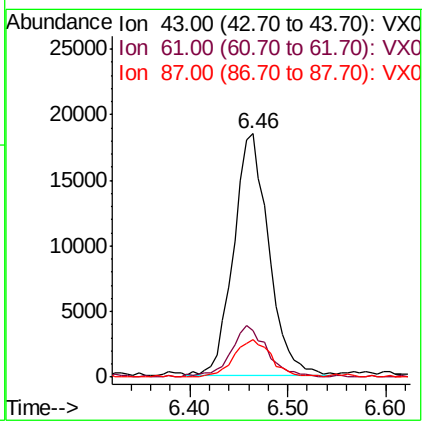


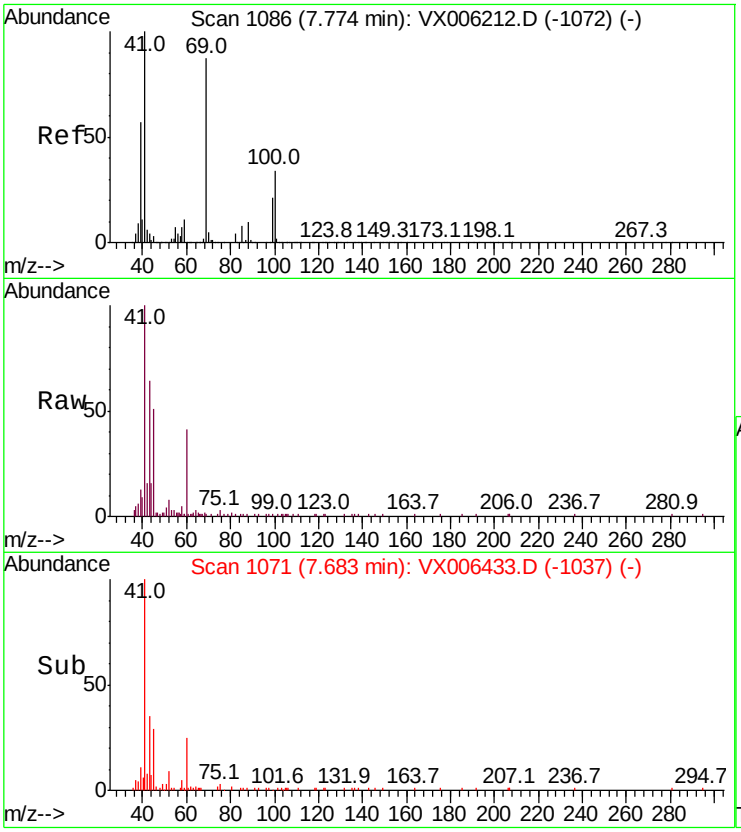




#43
Isopropyl Acetate
Concen: 2.470 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 43 Resp: 45653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 22.1 | 16.8 | 25.2 |
| 87 | 16.9 | 11.9 | 17.9 |



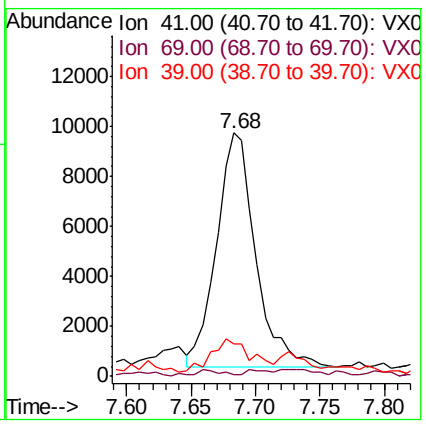


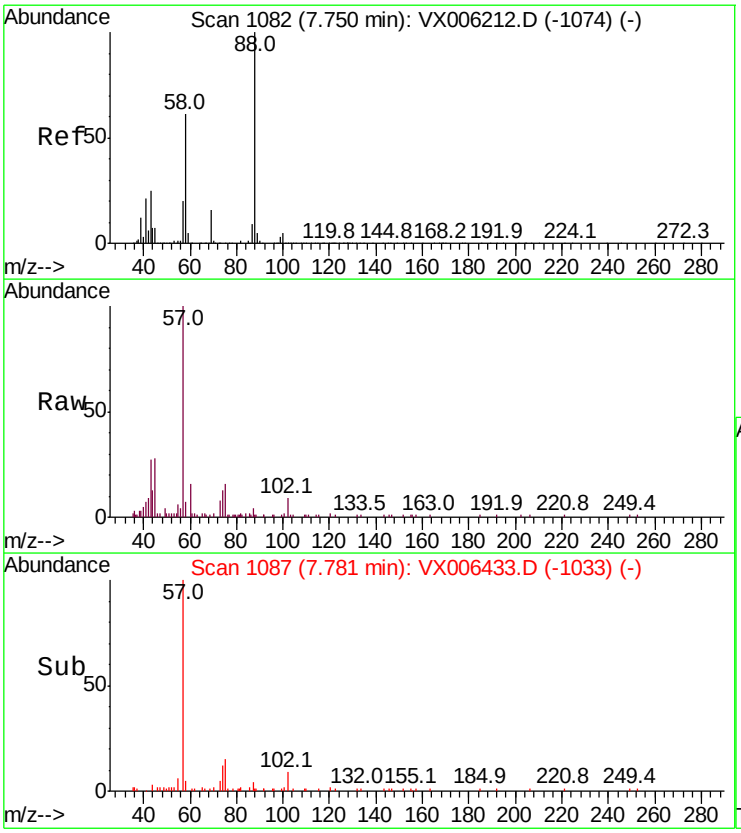

#48
Methyl methacrylate
Concen: 2.192 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 41 Resp: 19709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 1.5 | 70.3 | 105.5# |
| 39 | 0.0 | 45.3 | 67.9# |

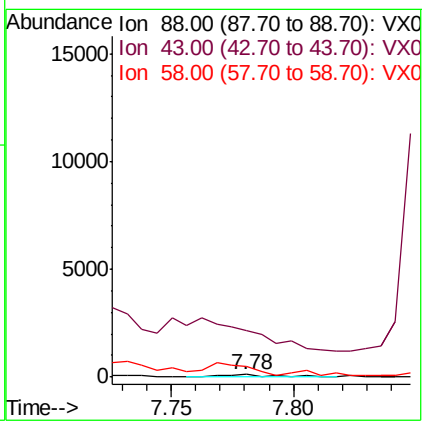


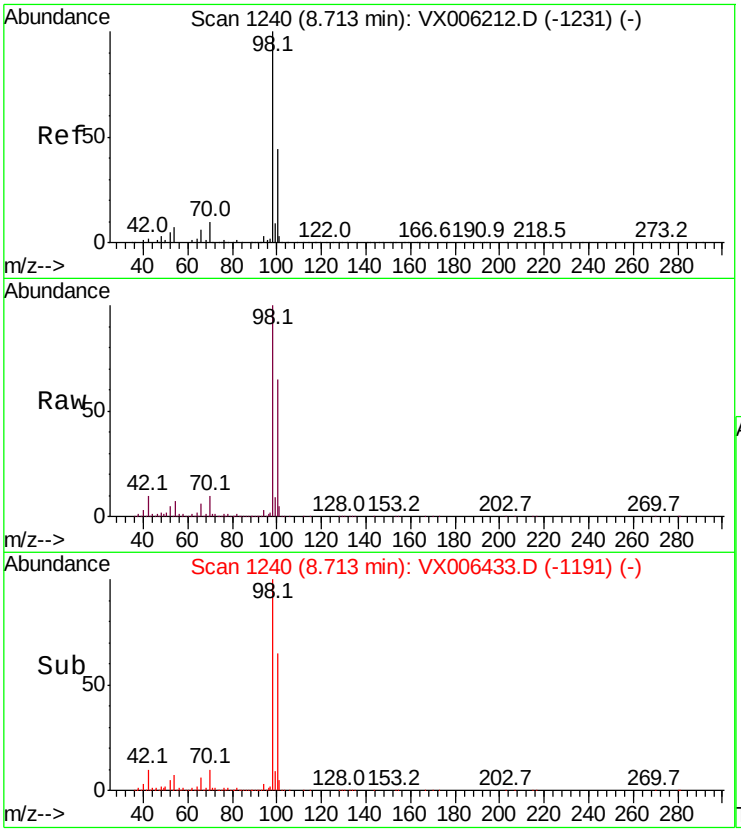




#49
1,4-Dioxane
Concen: 0.645 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 88 Resp: 143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 23.2 | 34.8# |
| 58 | 492.3 | 51.4 | 77.0# |



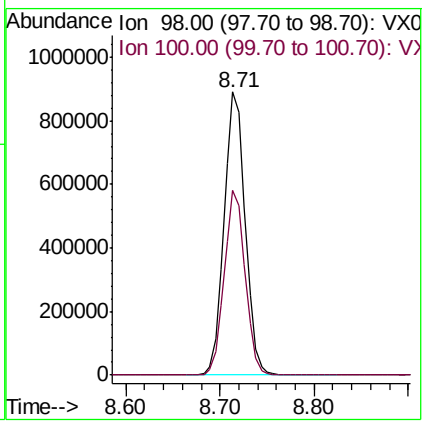


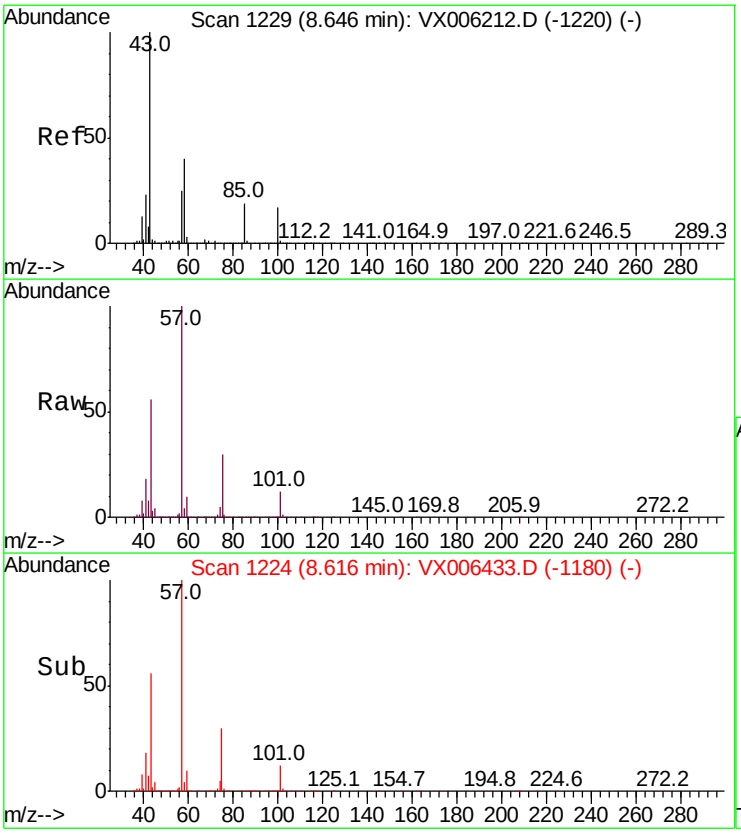

#50
Toluene-d8
Concen: 49.850 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 98 Resp: 1380242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.2 | 78.2 |

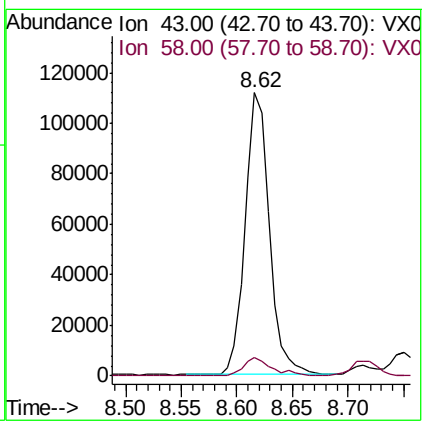


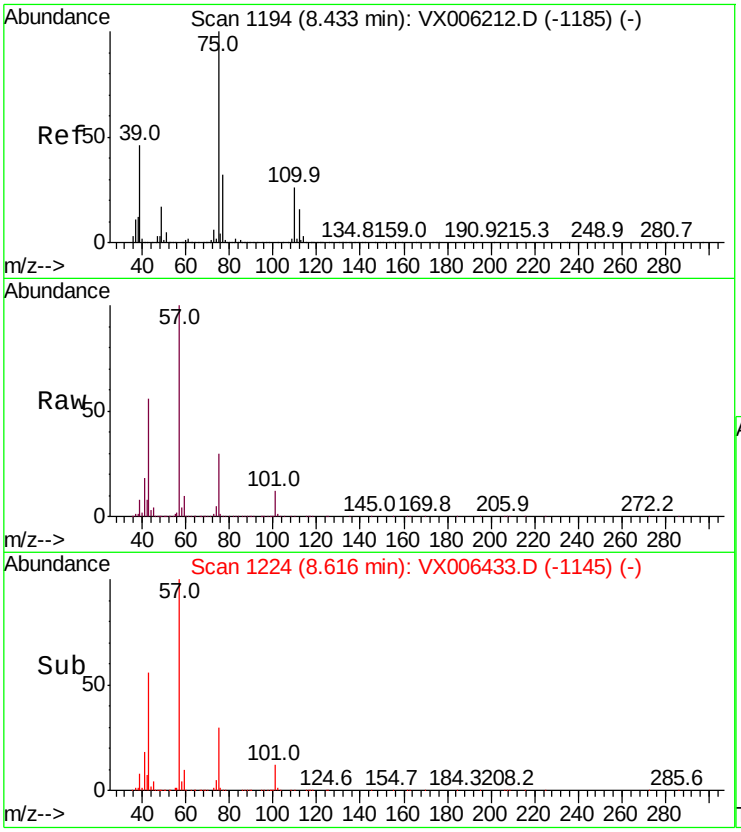




#51
4-Methyl-2-Pentanone
Concen: 15.729 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 43 Resp: 169262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.8 | 31.3 | 46.9# |



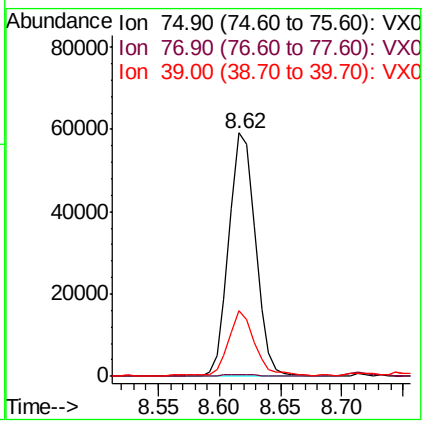


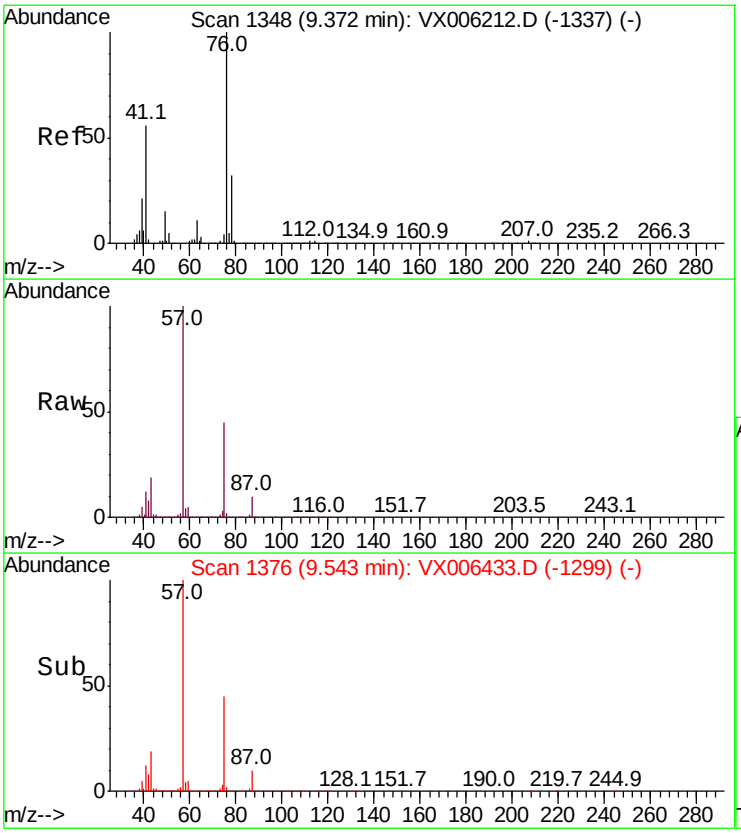

#54
cis-1,3-Dichloropropene
Concen: 6.977 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 75 Resp: 89299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.5 | 25.6 | 38.4# |
| 39 | 26.8 | 36.5 | 54.7# |

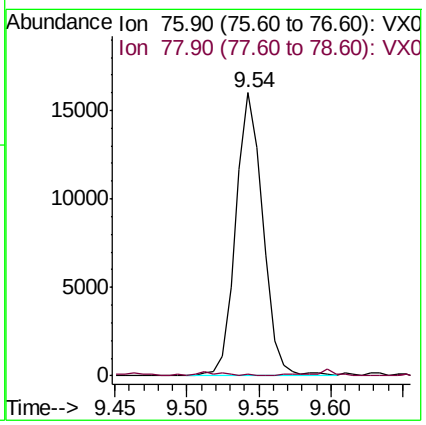


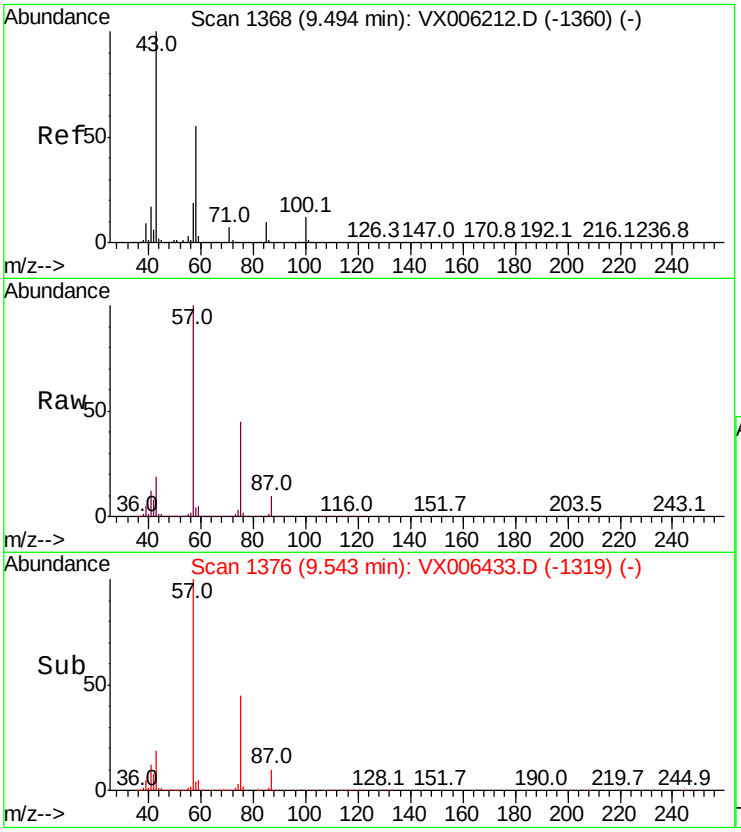




#57
1,3-Dichloropropane
Concen: 1.676 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.17 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 76 Resp: 21008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 26.1 | 39.1# |



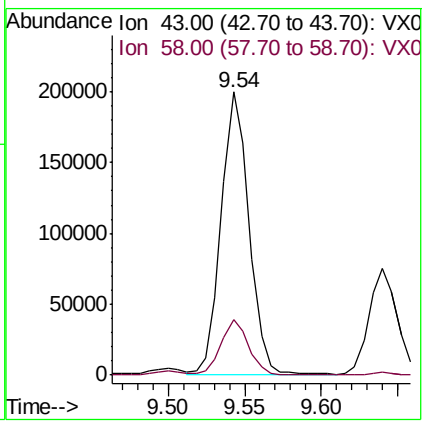


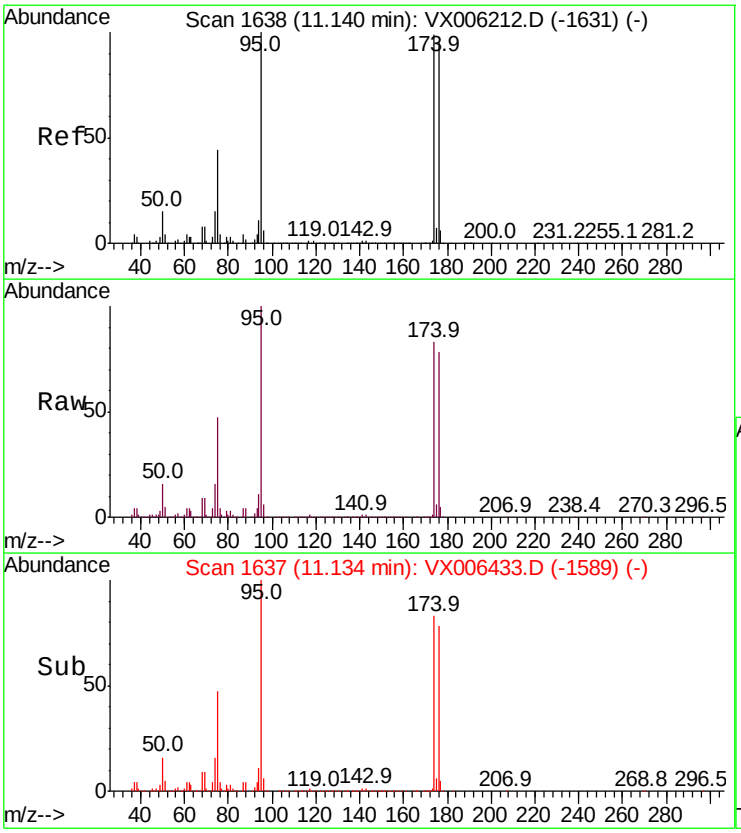

#59
2-Hexanone
Concen: 30.439 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 43 Resp: 250257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.2 | 27.7 | 83.1# |

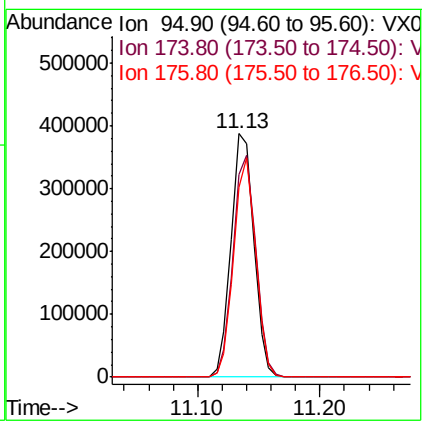


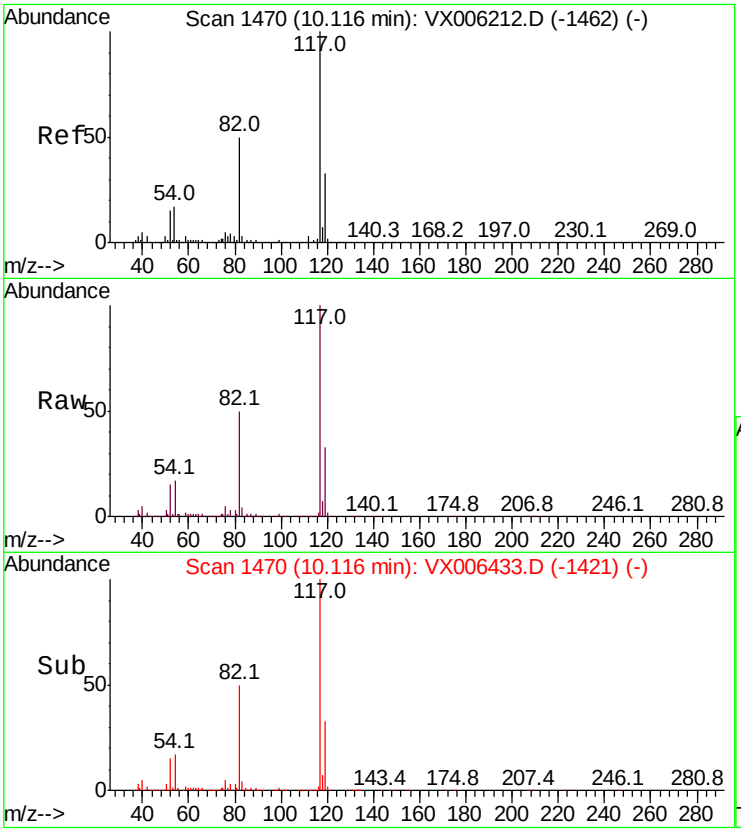




#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 95 Resp: 499935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.7 | 0.0 | 187.0 |
| 176 | 86.8 | 0.0 | 181.8 |



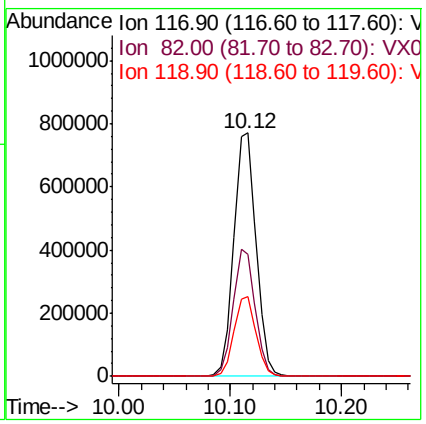


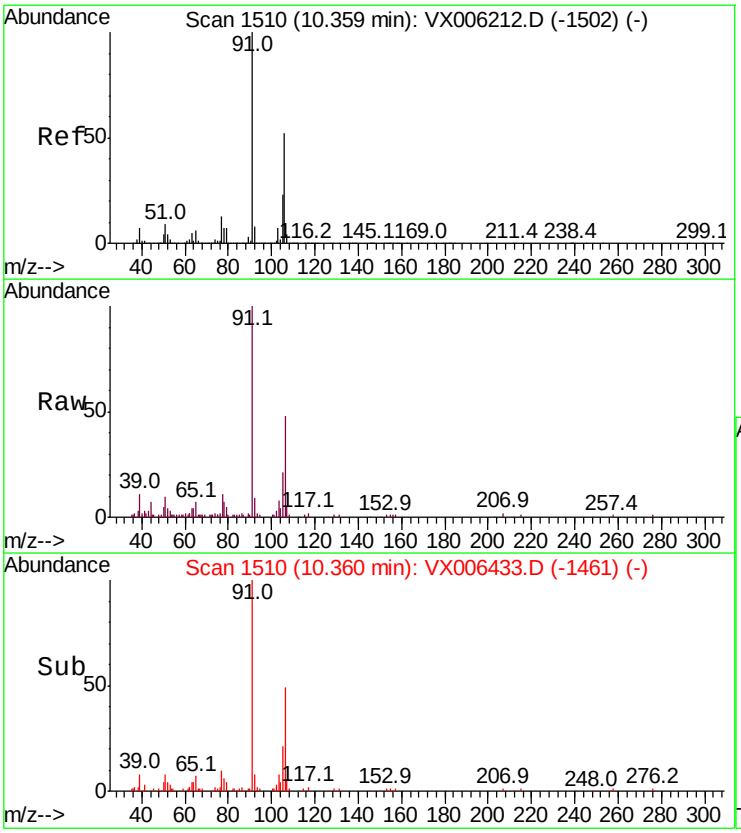

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:117 Resp: 1067496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.9 | 39.6 | 59.4 |
| 119 | 32.7 | 26.3 | 39.5 |

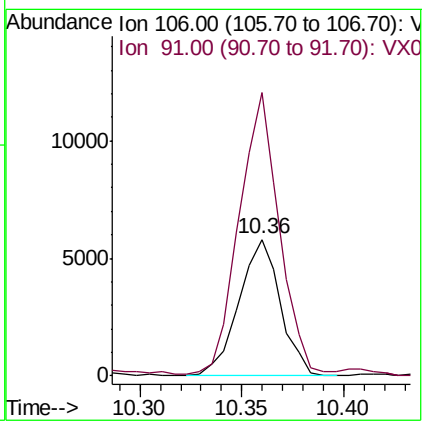


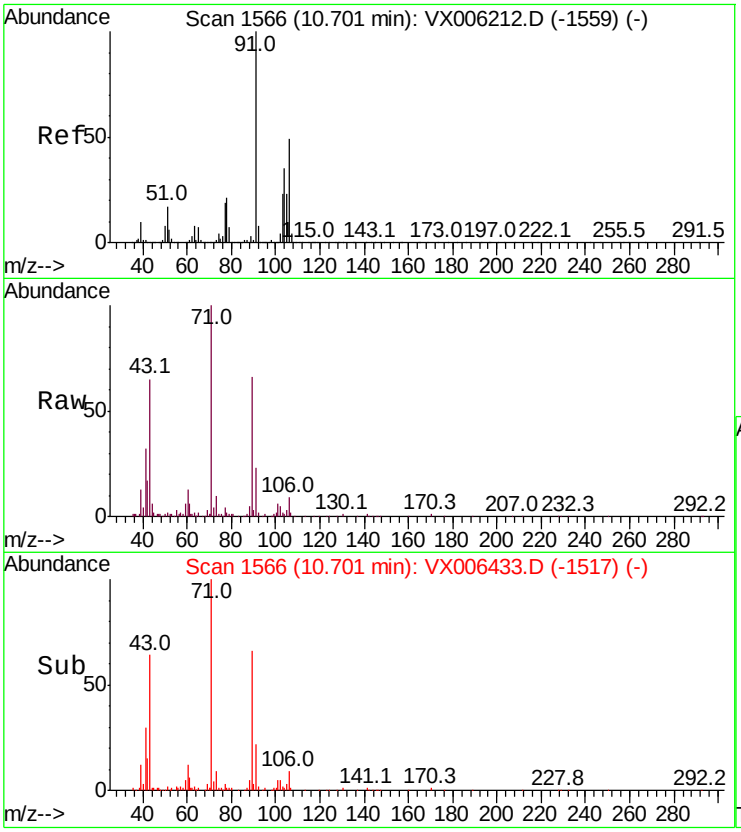




#68
m/p-Xylenes
Concen: 0.543 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion:106 Resp: 8205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.1 | 155.2 | 232.8 |



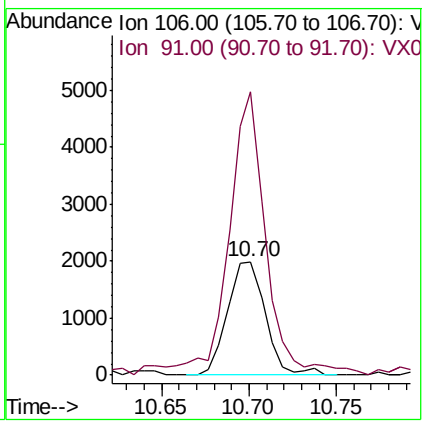


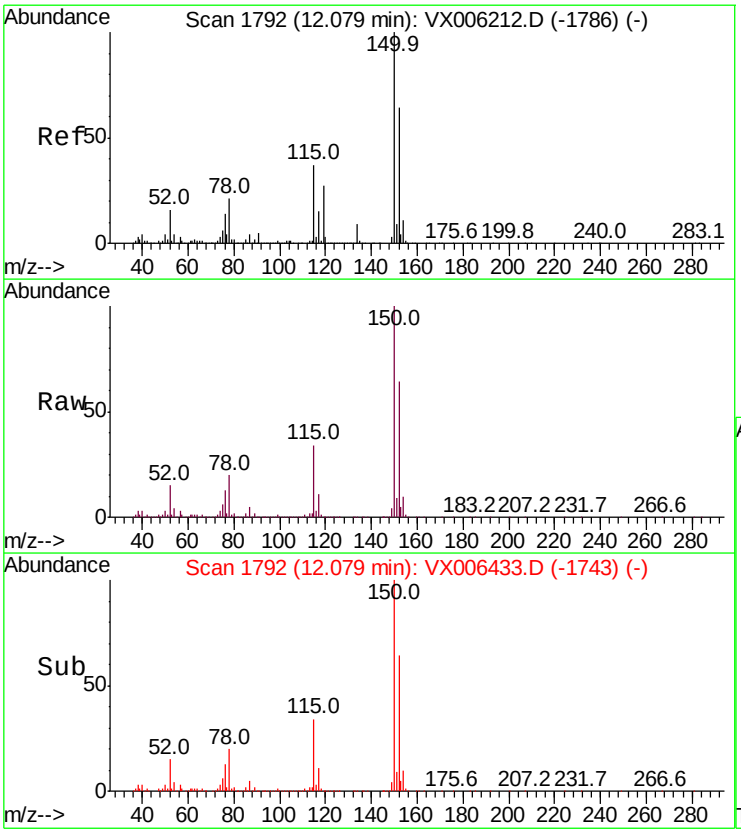

#69
o-Xylene
Concen: 0.201 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:106 Resp: 2998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 247.9 | 101.8 | 305.6 |

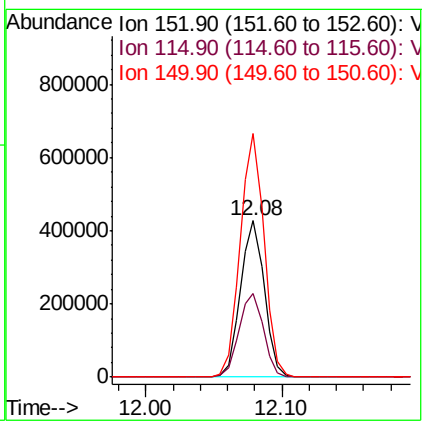


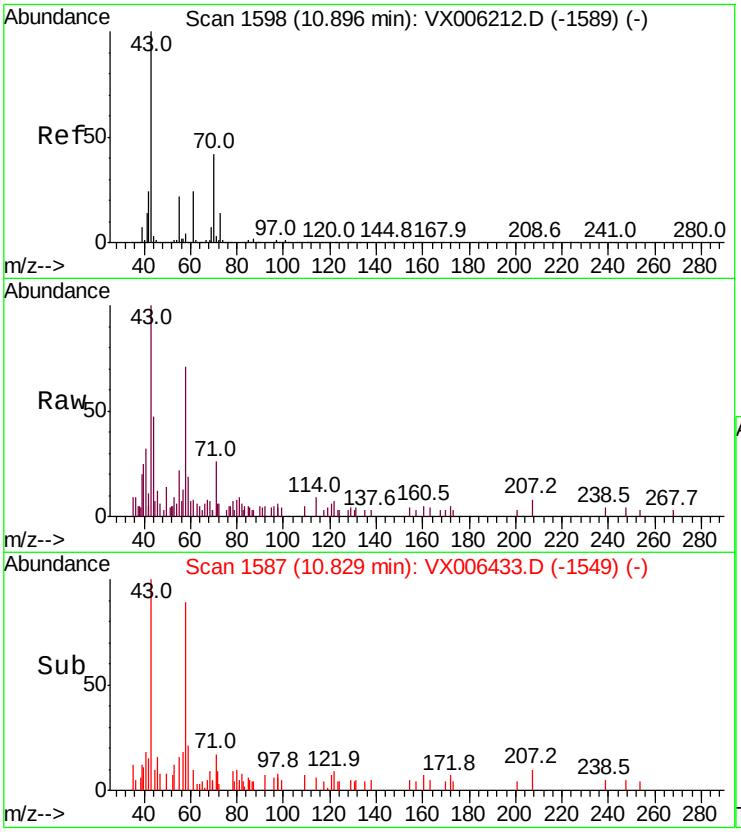




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion:152 Resp: 522155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.7 | 39.0 | 116.9 |
| 150 | 155.9 | 0.0 | 345.8 |



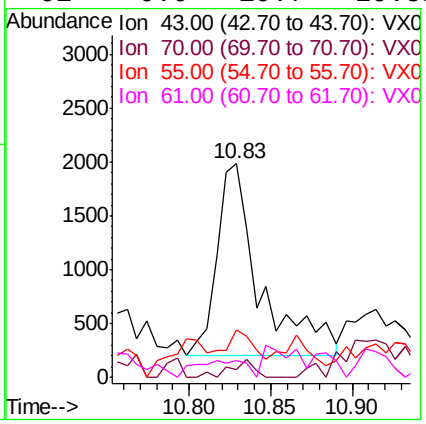


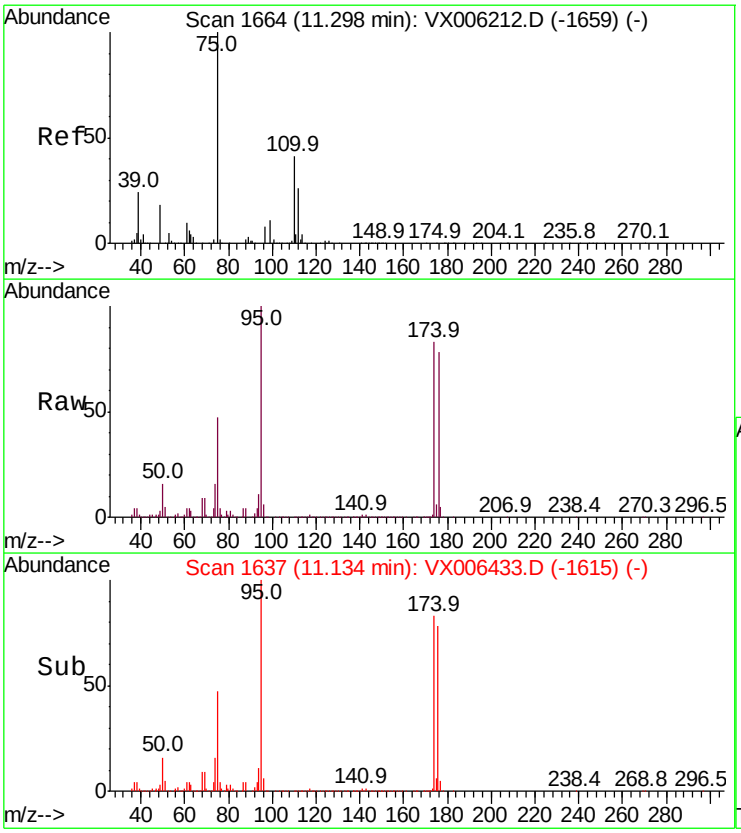

#74
N-amyl acetate
Concen: 0.209 ug/l
RT: 10.83 min Scan# 1587
Delta R.T. -0.07 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion: 43 Resp: 3246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 4.9 | 34.1 | 51.1# |
| 55 | 7.1 | 17.8 | 26.8# |
| 61 | 0.0 | 19.7 | 29.5# |

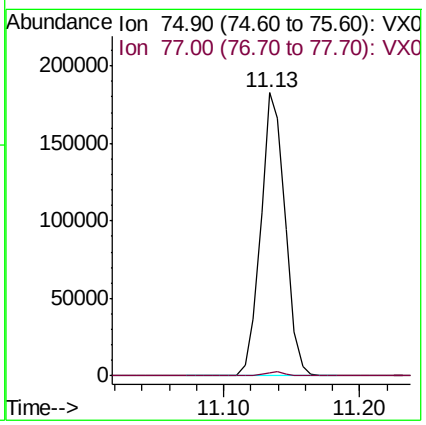


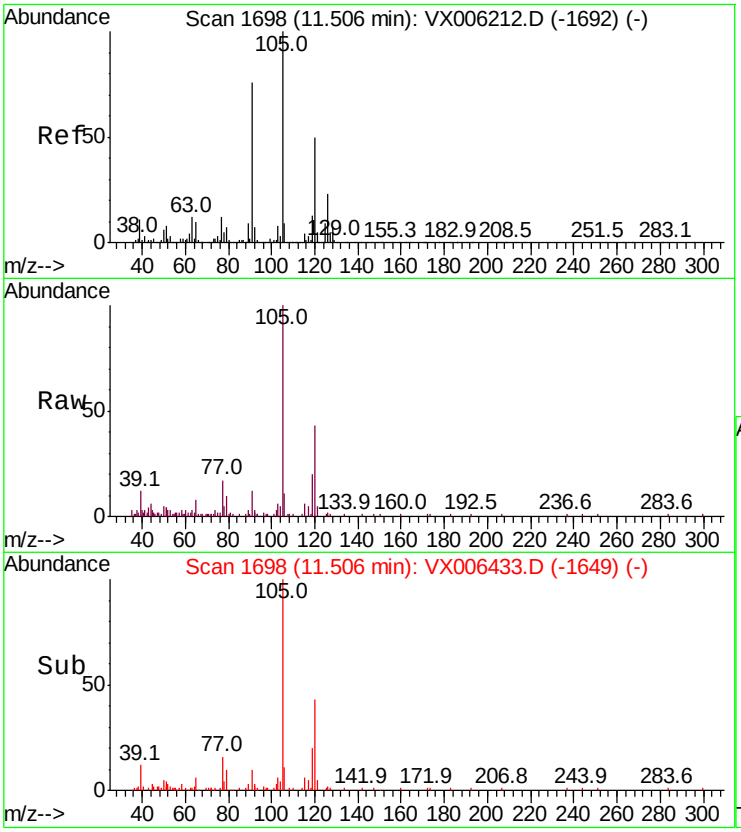




#76
1,2,3-Trichloropropane
Concen: 22.874 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 75 Resp: 230539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 19.9 | 59.7# |



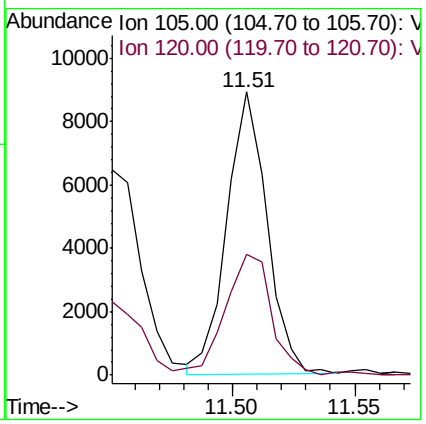


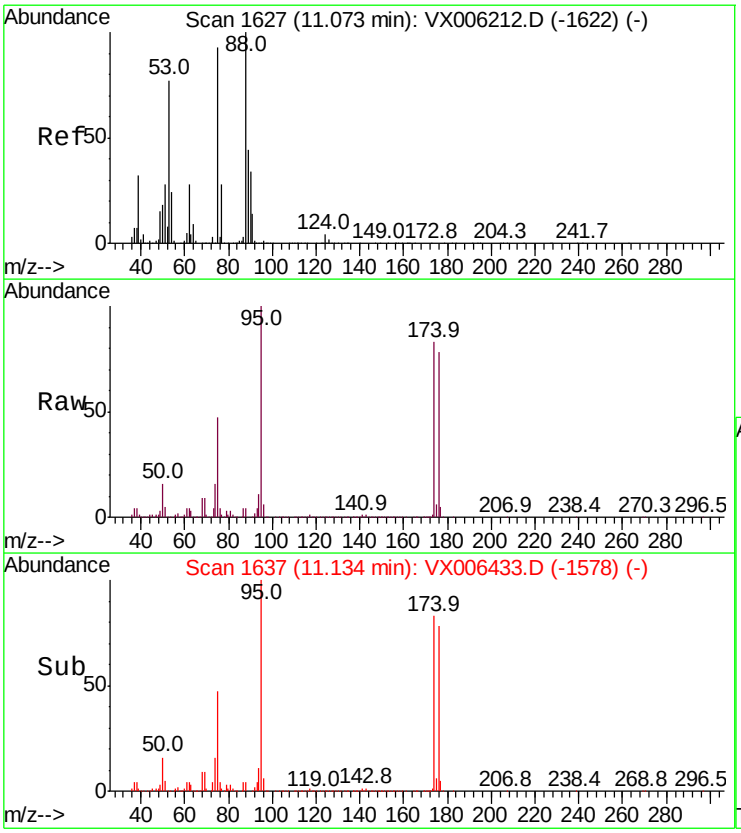

#80
1,3,5-Trimethylbenzene
Concen: 0.337 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:105 Resp: 10114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.6 | 25.4 | 76.0 |

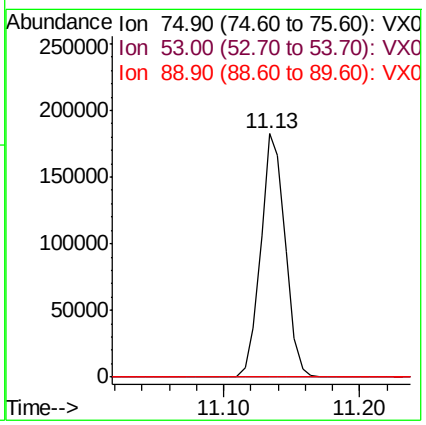


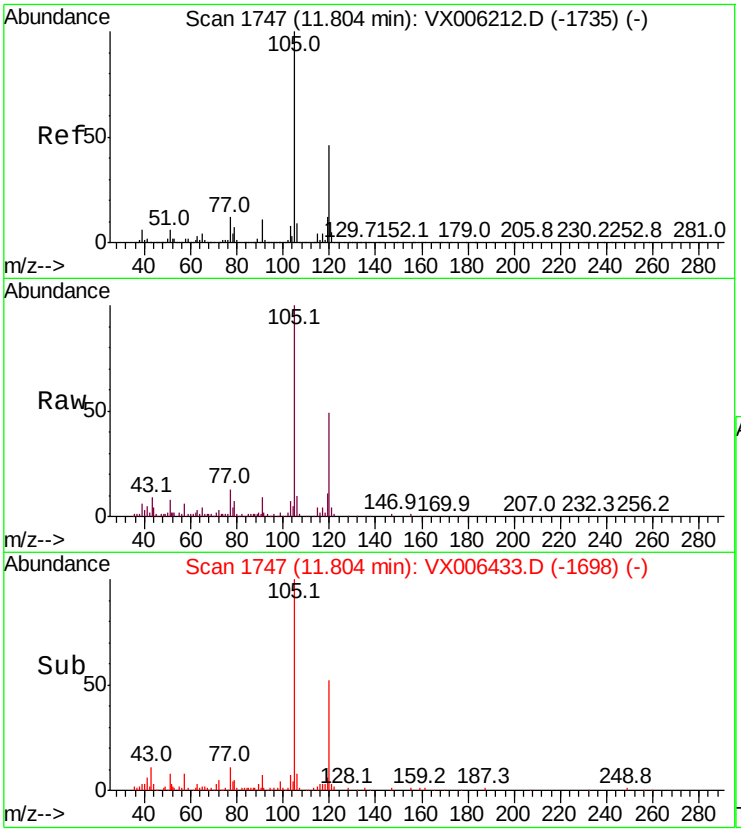




#81
trans-1,4-Dichloro-2-butene
Concen: 53.680 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion: 75 Resp: 230539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 64.4 | 96.6# |
| 89 | 0.0 | 44.2 | 66.4# |



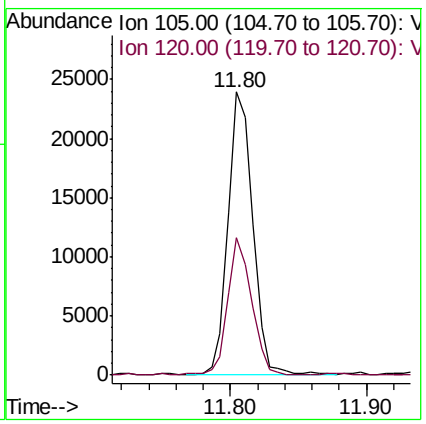


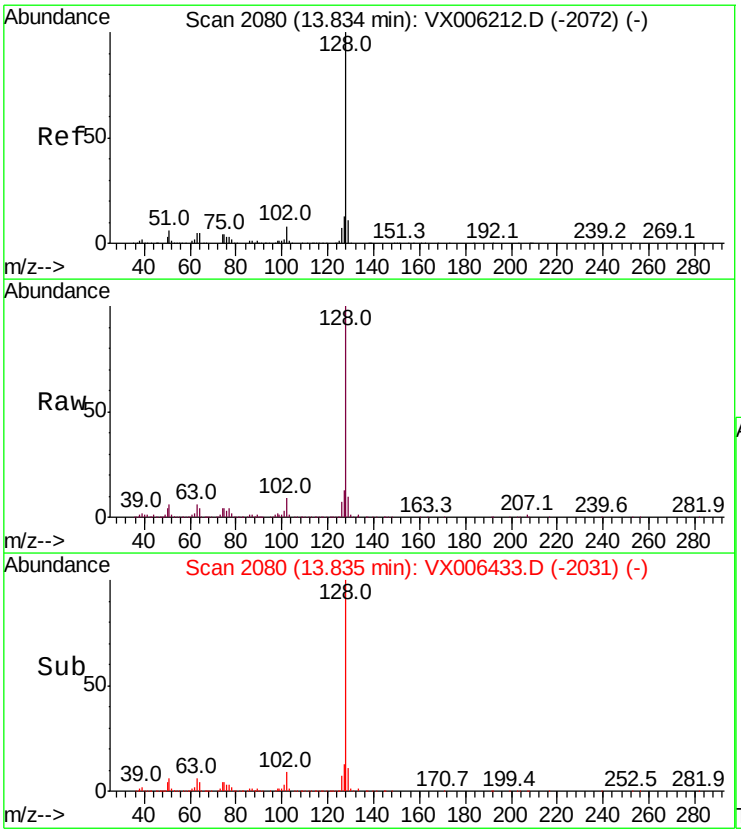

#84
1,2,4-Trimethylbenzene
Concen: 0.983 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

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

Tgt Ion:105 Resp: 30448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.1 | 23.4 | 70.0 |




#95
Naphthalene
Concen: 1.871 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006433.D
Acq: 11 Dec 2018 20:51

Tgt Ion:128 Resp: 75020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.4 |
| 129 | 11.3 | 8.9 | 13.3 |