Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
Data File : VX005004.D
Acq On : 04 Oct 2018 07:48
Operator : JC/MD
Sample : J5211-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** CB-1018-S-TCLP-GRID41-2

Quant Time: Oct 04 08:50:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 266272 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 428606 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 406605 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 226609 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 198766 | 52.26 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.52% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 175839 | 48.41 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.82% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 587104 | 48.62 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.24% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 217246 | 49.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.88% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.72 | 64 | 109 | Below Cal | # | 45 |
| 11) Tert butyl alcohol | 3.02 | 59 | 3346 | 3.146 | ug/l # | 77 |
| 16) Acetone | 2.45 | 43 | 30265 | 13.629 | ug/l | 90 |
| 18) Methyl Acetate | 2.78 | 43 | 7063 | 1.255 | ug/l | 98 |
| 20) Methylene Chloride | 2.86 | 84 | 300941 | 93.944 | ug/l | 98 |
| 25) 2-Butanone | 4.70 | 43 | 4945 | 1.511 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.17 | 42 | 2042 | 1.004 | ug/l # | 91 |
| 30) Chloroform | 5.21 | 83 | 4516 | 0.756 | ug/l | 90 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 17382 | 3.507 | ug/l # | 47 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 24096 | 4.625 | ug/l # | 18 |
| 43) Isopropyl Acetate | 6.46 | 43 | 173968 | 18.321 | ug/l | 96 |
| 47) Bromodichloromethane | 7.90 | 83 | 1063 | 0.237 | ug/l # | 88 |
| 48) Methyl methacrylate | 7.88 | 41 | 12806 | 2.971 | ug/l # | 45 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1381 | 0.231 | ug/l # | 49 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 1136 | 0.214 | ug/l # | 58 |
| 56) Ethyl methacrylate | 9.38 | 69 | 100 | 2.878 | ug/l # | 1 |
| 58) 2-Chloroethyl Vinyl ether | 8.35 | 63 | 72 | 14.263 | ug/l # | 49 |
| 68) m/p-Xylenes | 10.36 | 106 | 2778 | 0.429 | ug/l | 93 |
| 70) Styrene | 10.71 | 104 | 152 | 2.154 | ug/l # | 1 |
| 74) N-amyl acetate | 10.89 | 43 | 266 | 1.781 | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 105515 | 20.774 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 105515 | 56.394 | ug/l # | 10 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 6734 | 0.302 | ug/l | 95 |
| 95) Naphthalene | 13.83 | 128 | 5438 | 1.004 | ug/l | 99 |

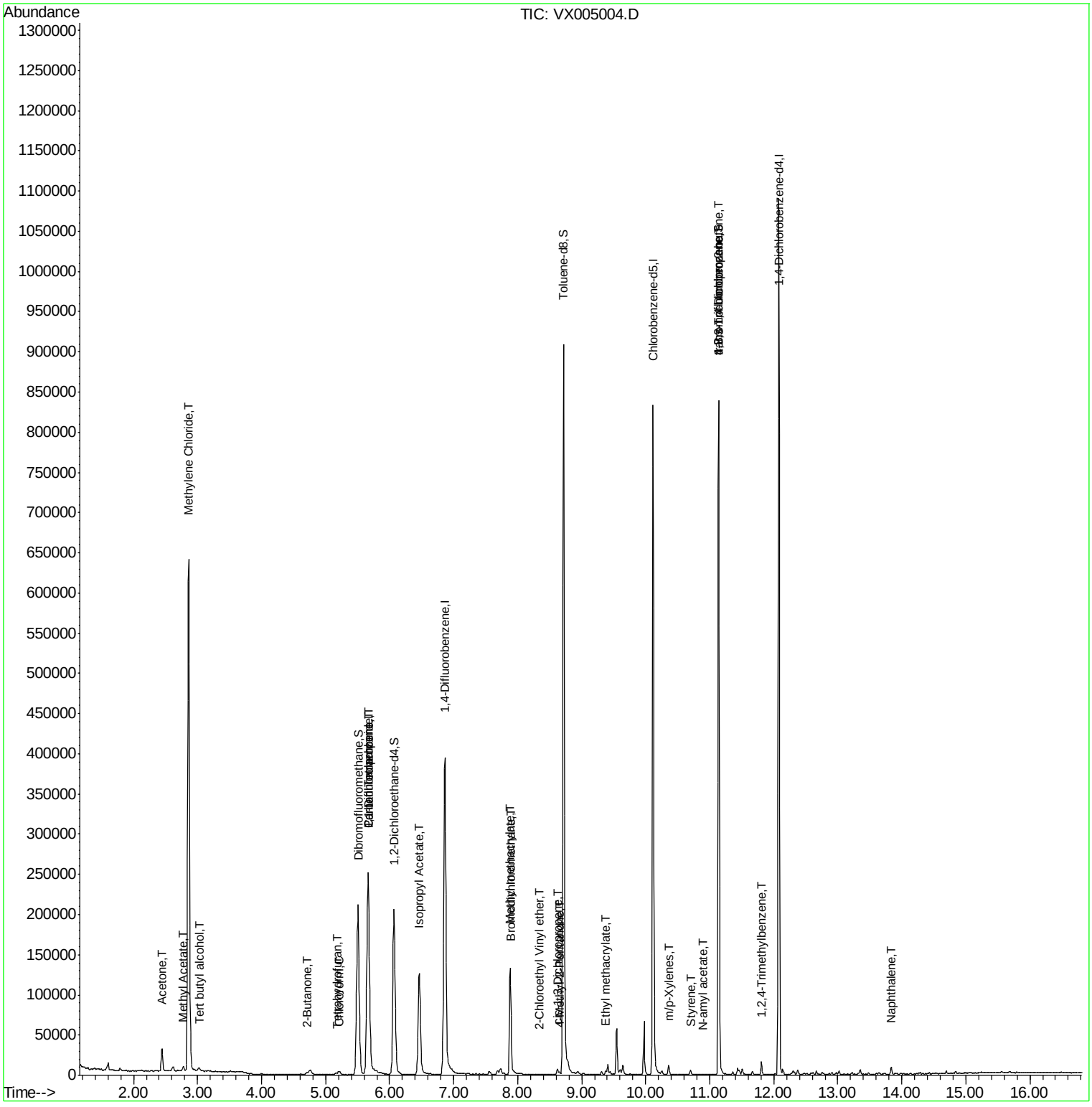
(#) = qualifier out of range (m) = manual integration (+) = signals summed

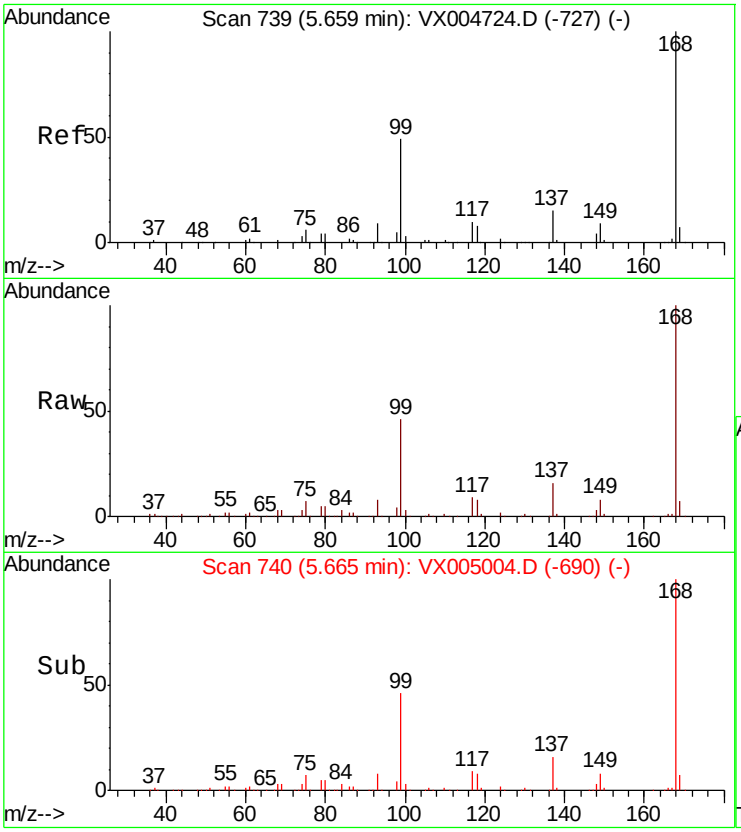
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
Data File : VX005004.D
Acq On : 04 Oct 2018 07:48
Operator : JC/MD
Sample : J5211-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Quant Time: Oct 04 08:50:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration



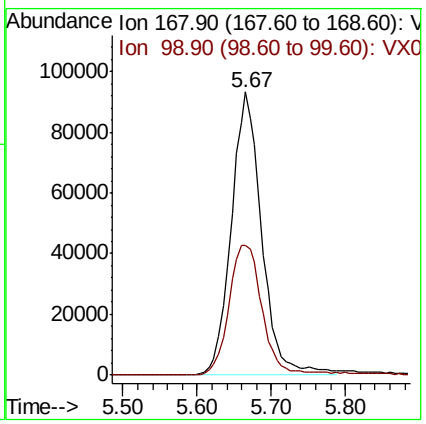


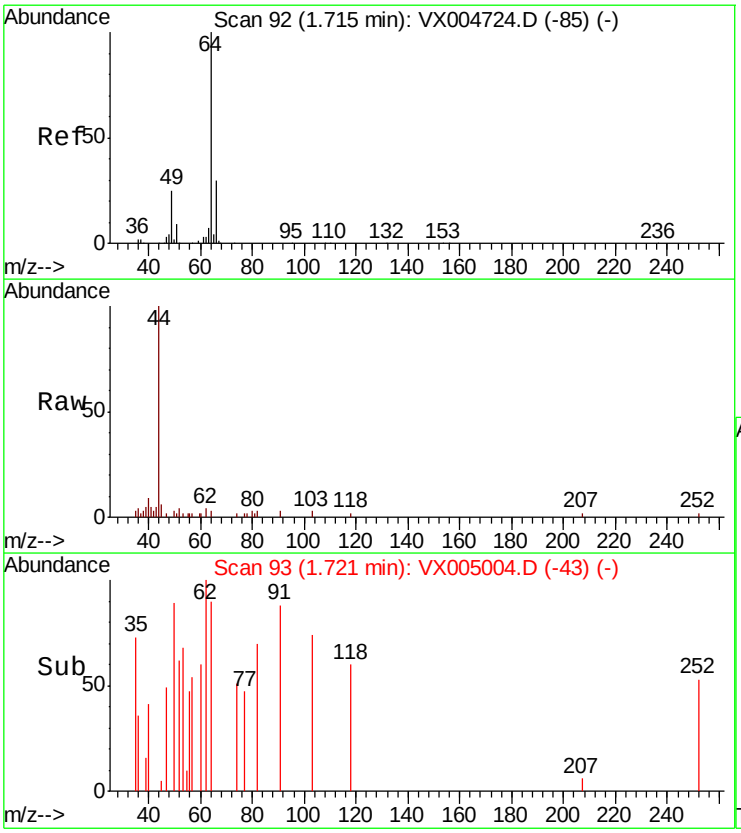

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion:168 Resp: 266272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 45.9 | 39.3 | 58.9 |

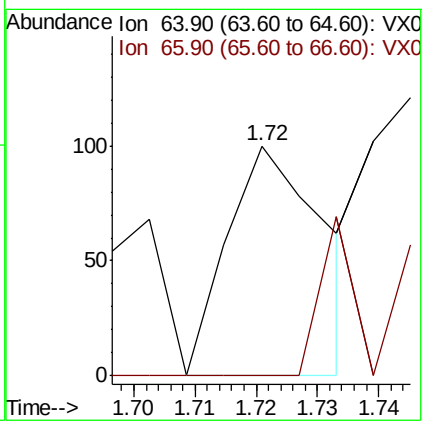


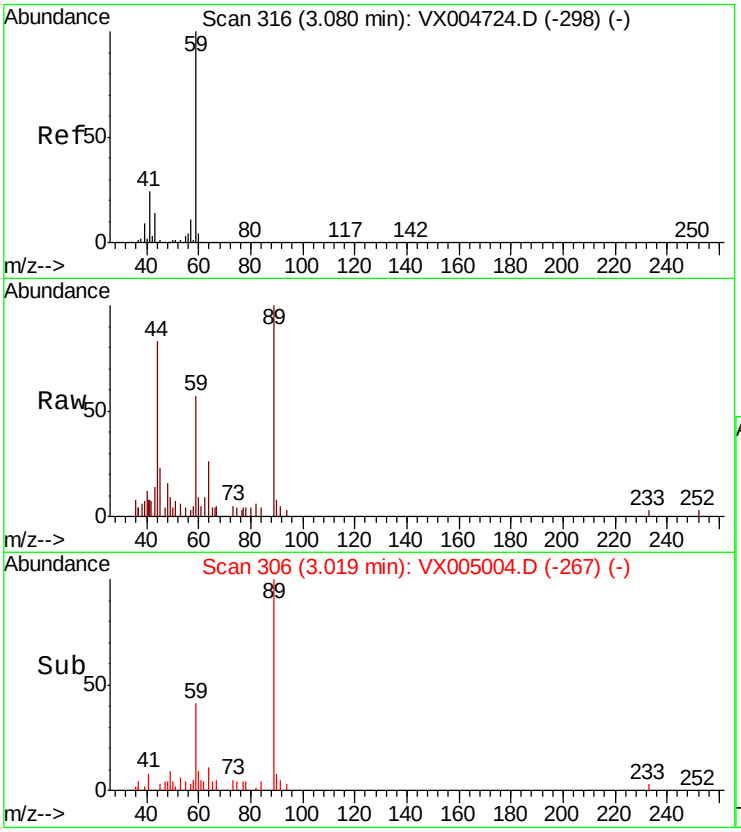




#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 64 Resp: 109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 23.8 | 35.6# |



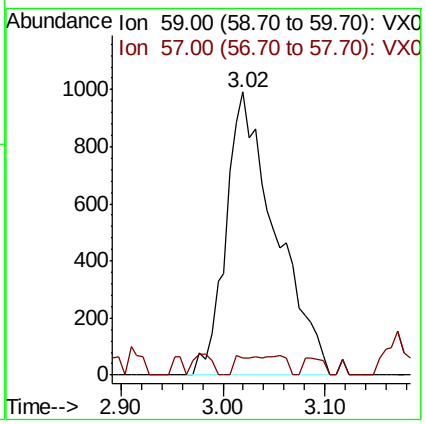


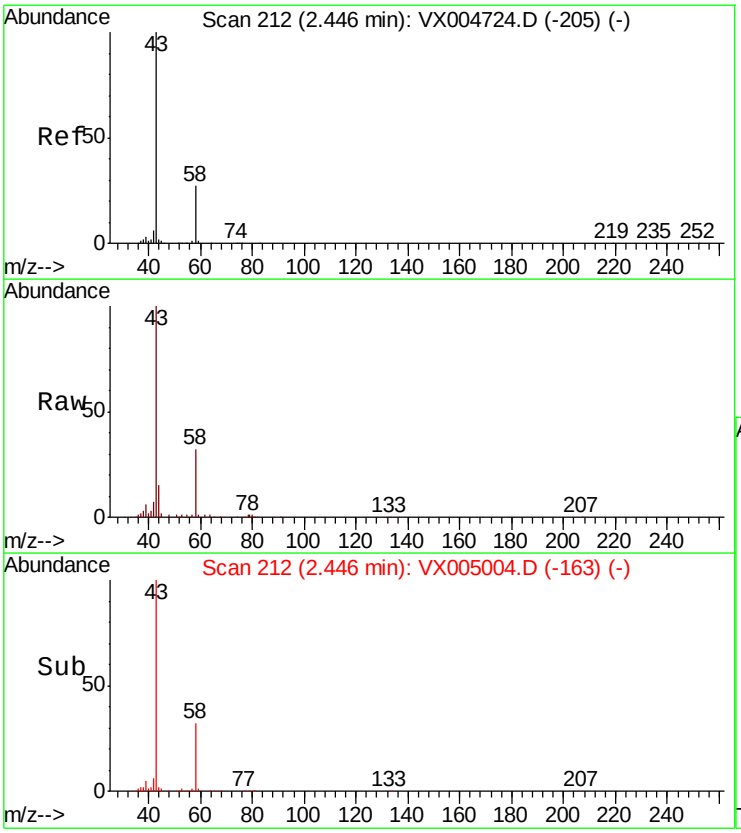

#11
Tert butyl alcohol
Concen: 3.146 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 59 Resp: 3346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.0 | 8.6 | 12.8# |

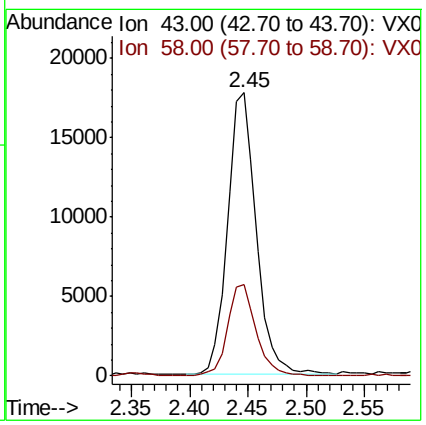


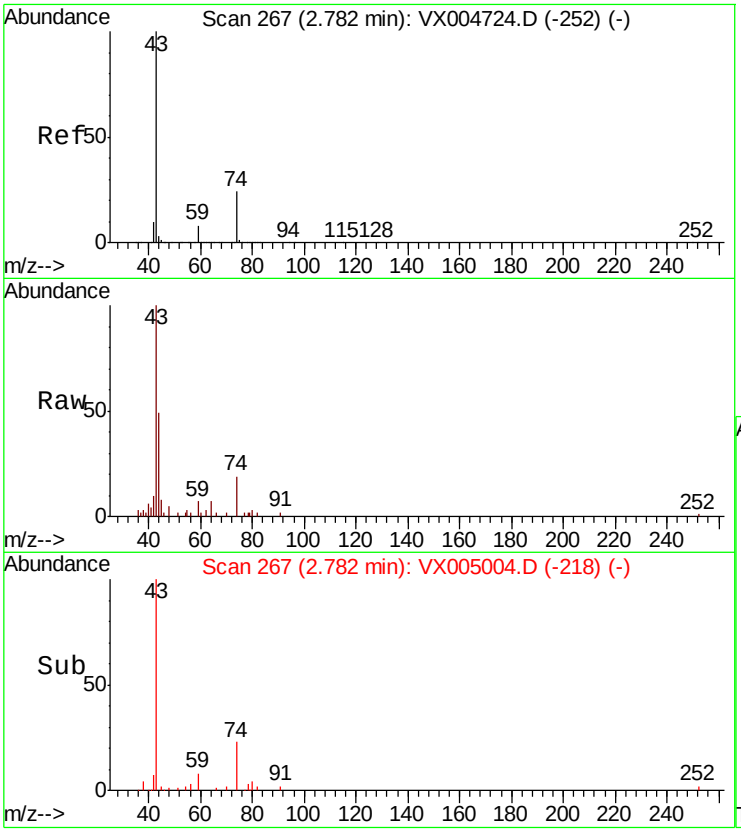




#16
Acetone
Concen: 13.629 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 43 Resp: 30265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 21.8 | 32.6 |



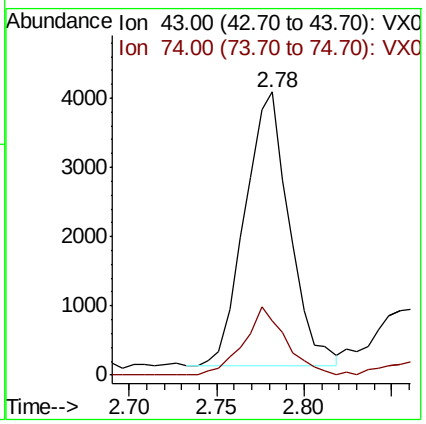


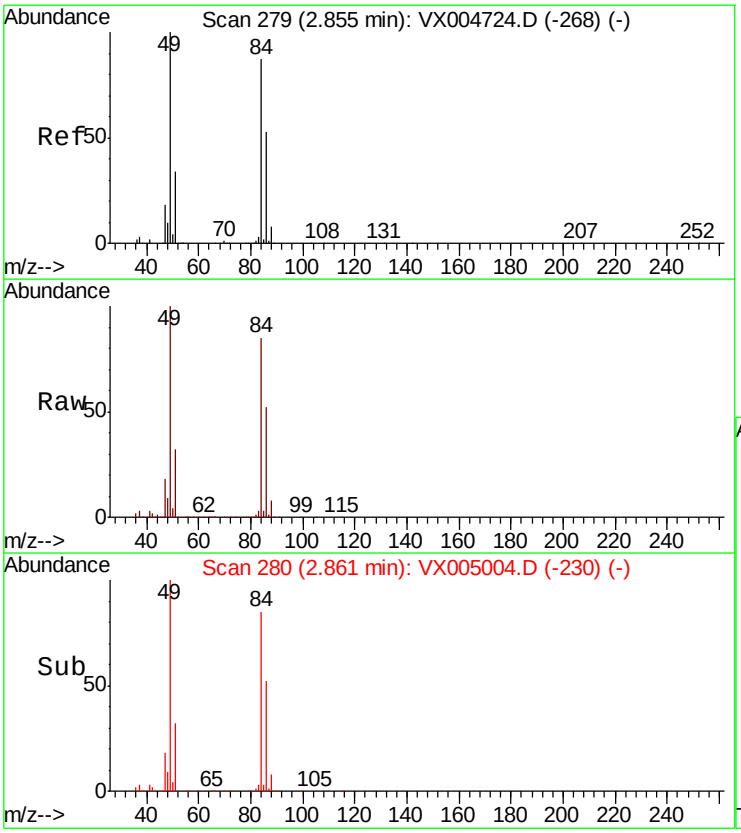

#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 43 Resp: 7063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 17.8 | 26.8 |

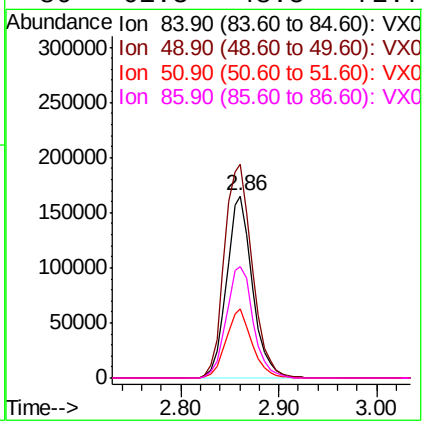


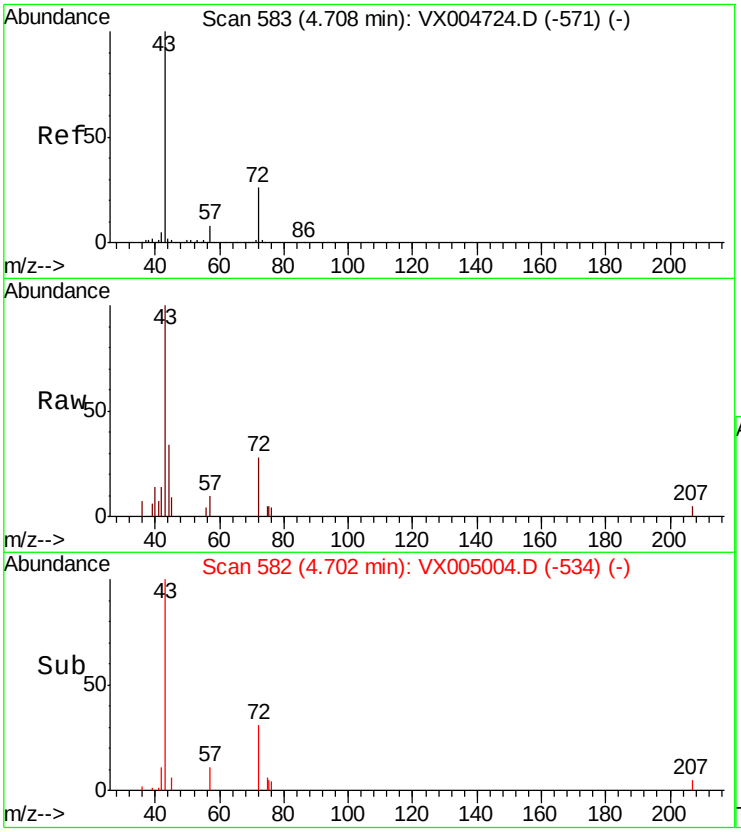




#20
Methylene Chloride
Concen: 93.944 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 84 Resp: 300941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.3 | 92.3 | 138.5 |
| 51 | 38.0 | 31.8 | 47.6 |
| 86 | 61.3 | 48.5 | 72.7 |



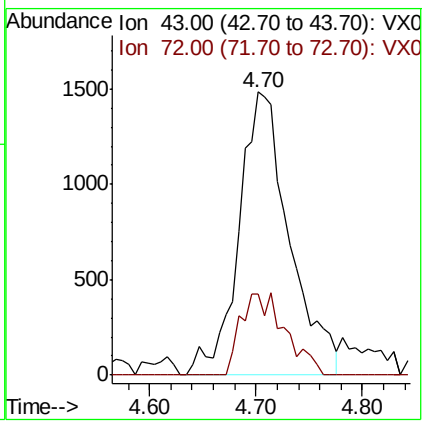


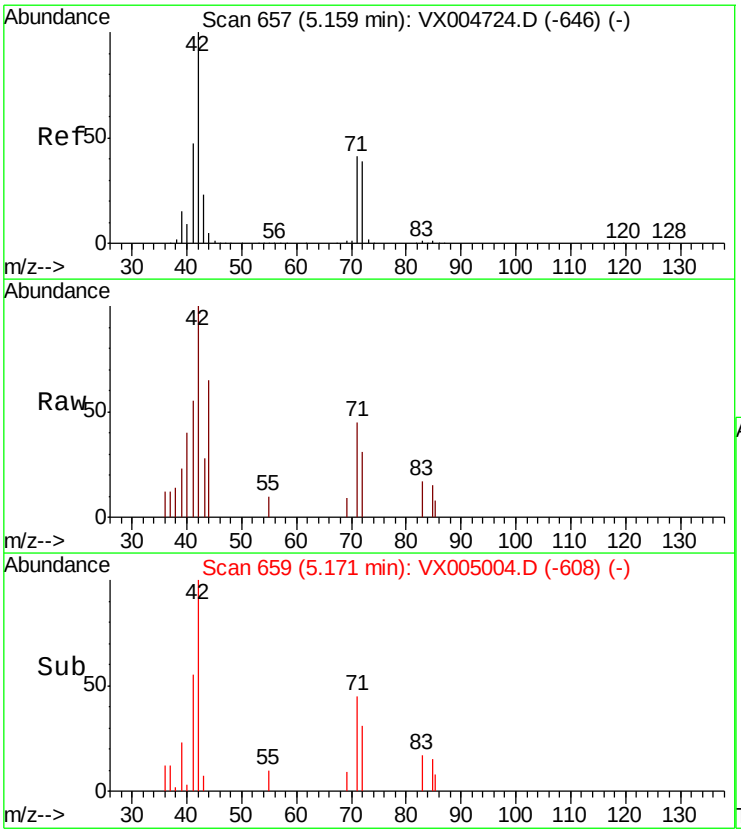

#25
2-Butanone
Concen: 1.511 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 43 Resp: 4945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.4 | 20.8 | 31.2 |

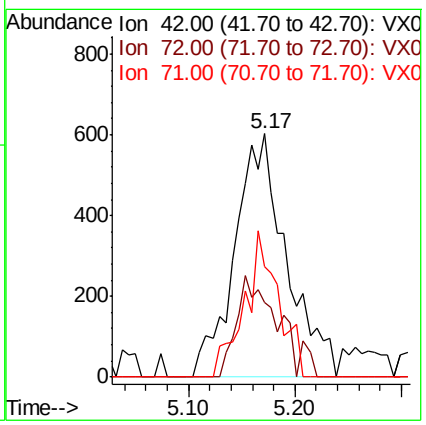


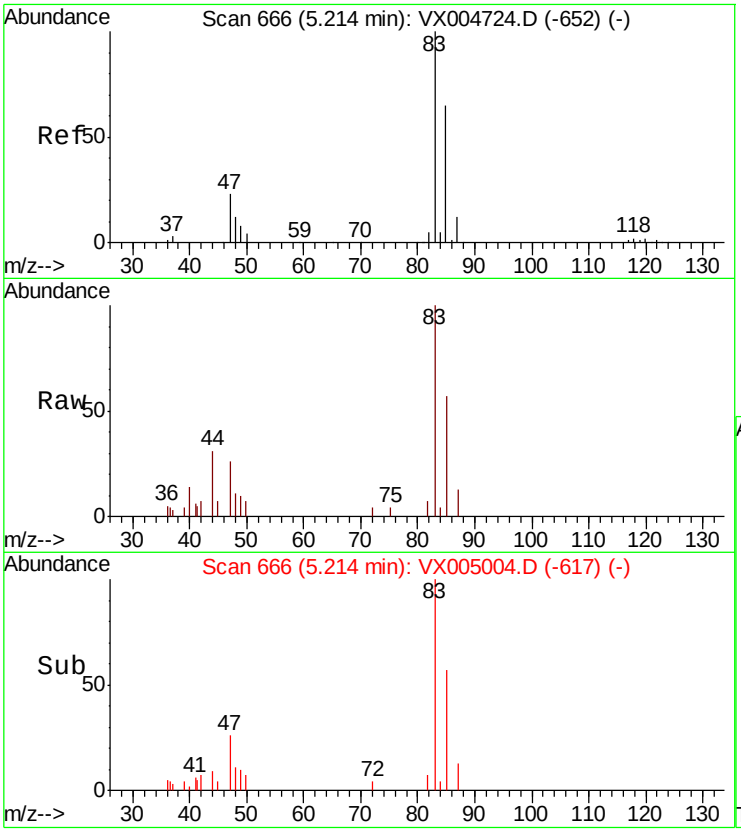




#29
Tetrahydrofuran
Concen: 1.004 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 42 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 31.1 | 33.7 | 50.5# |
| 71 | 39.6 | 32.2 | 48.4 |



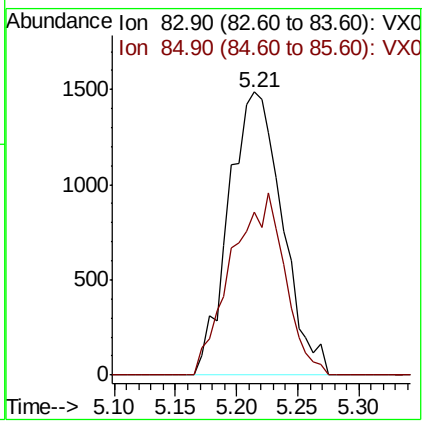


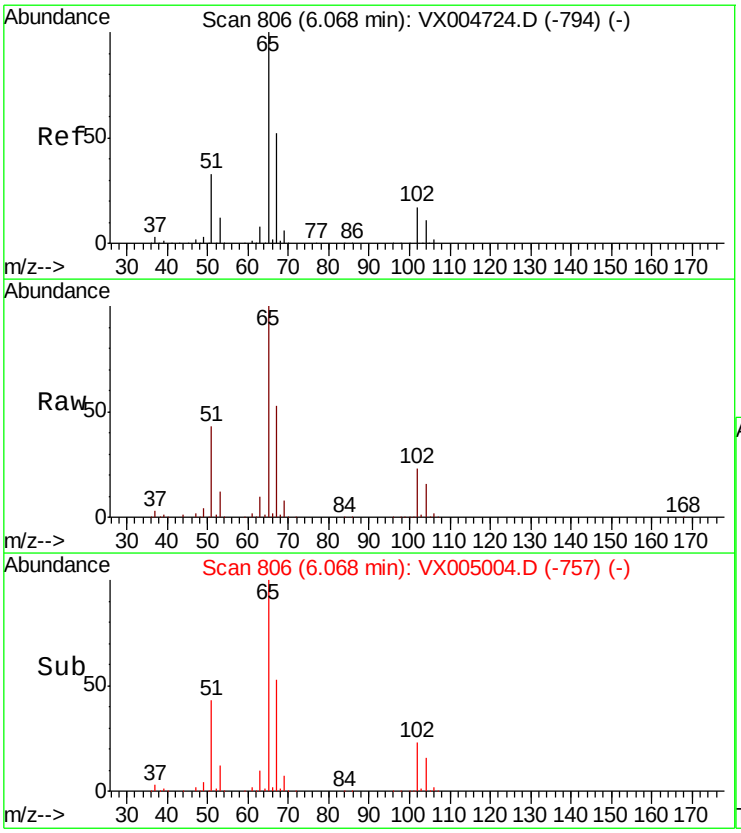

#30
Chloroform
Concen: 0.756 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 83 Resp: 4516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.4 | 52.4 | 78.6 |

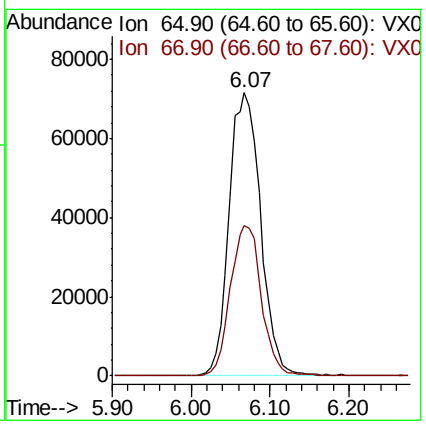


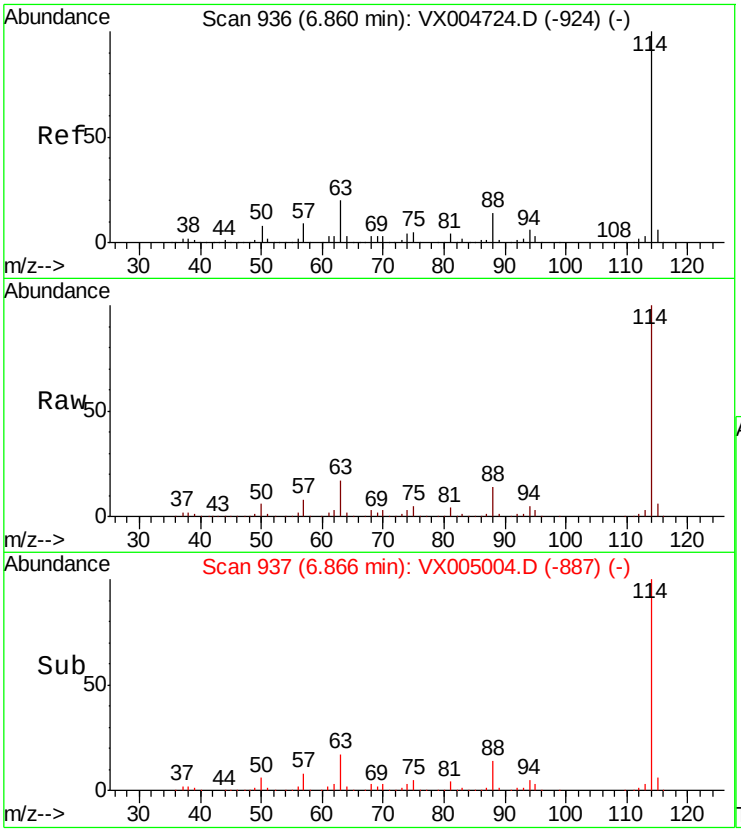




#33
1,2-Dichloroethane-d4
Concen: 52.256 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 65 Resp: 198766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 107.4 |



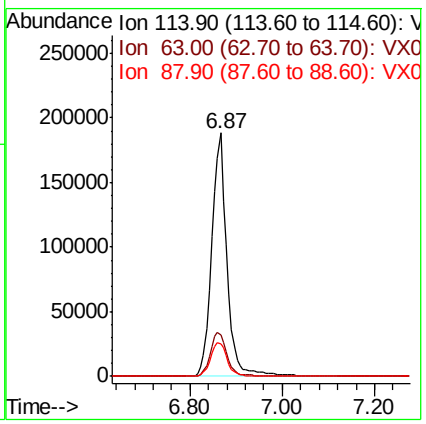


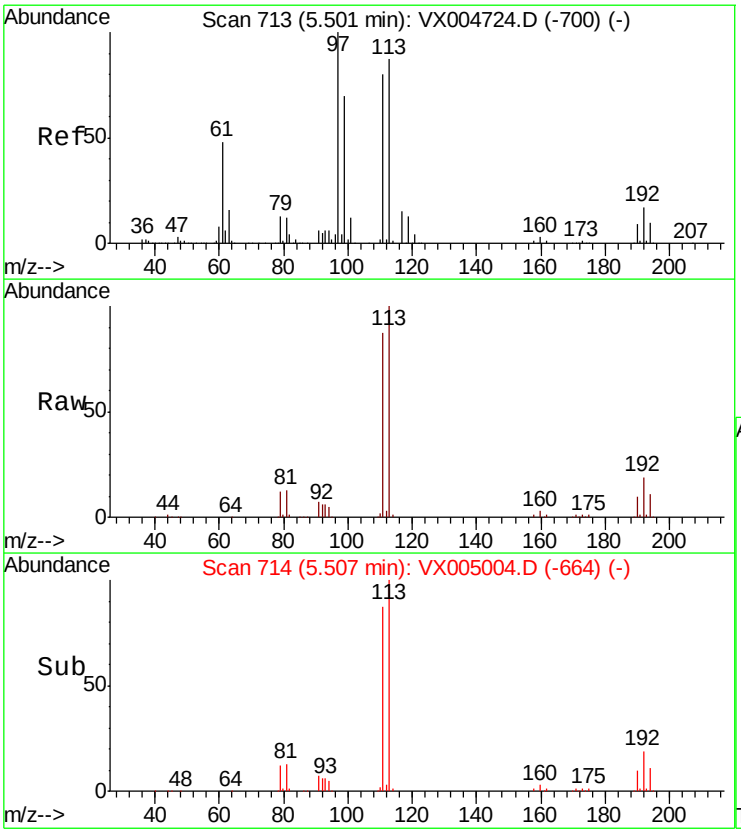

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion:114 Resp: 428606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.2 | 0.0 | 39.8 |
| 88 | 13.5 | 0.0 | 27.0 |

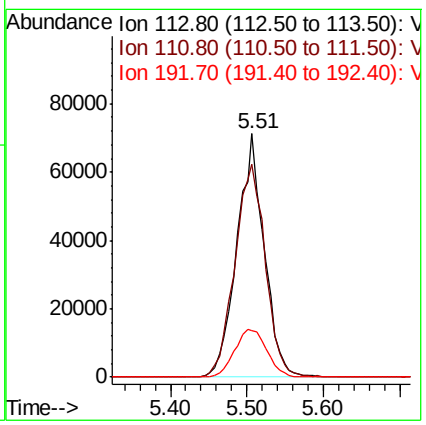


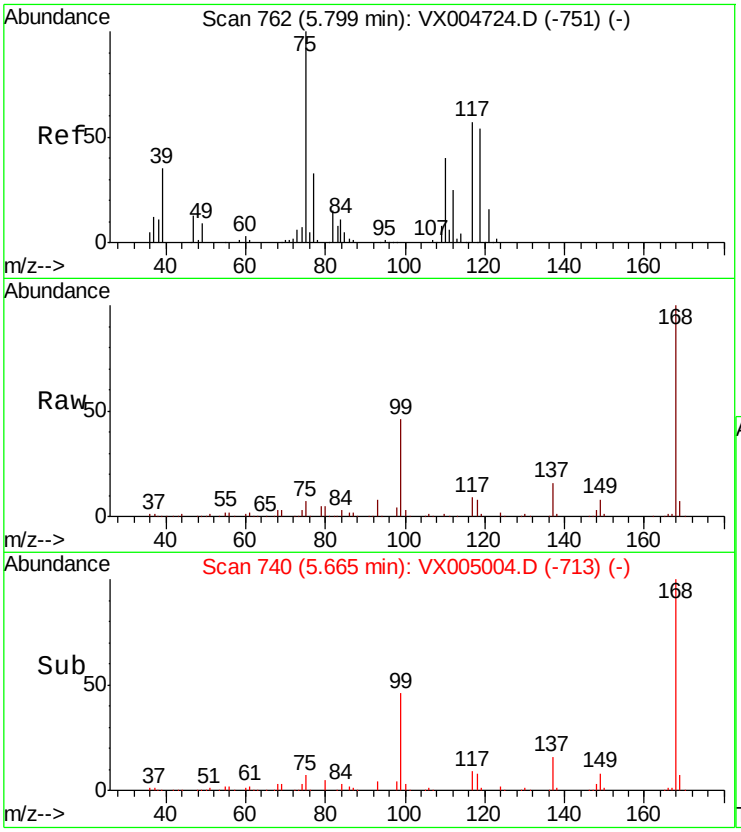




#35
Dibromofluoromethane
Concen: 48.407 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion:113 Resp: 175839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 97.9 | 77.0 | 115.4 |
| 192 | 23.3 | 17.0 | 25.6 |



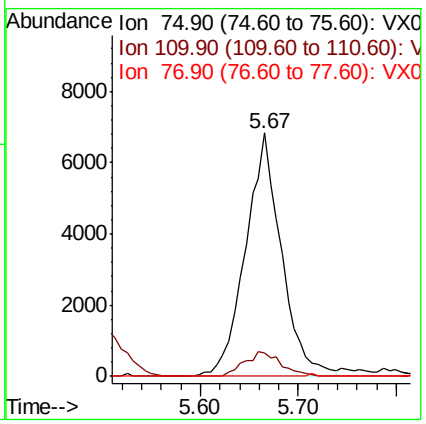


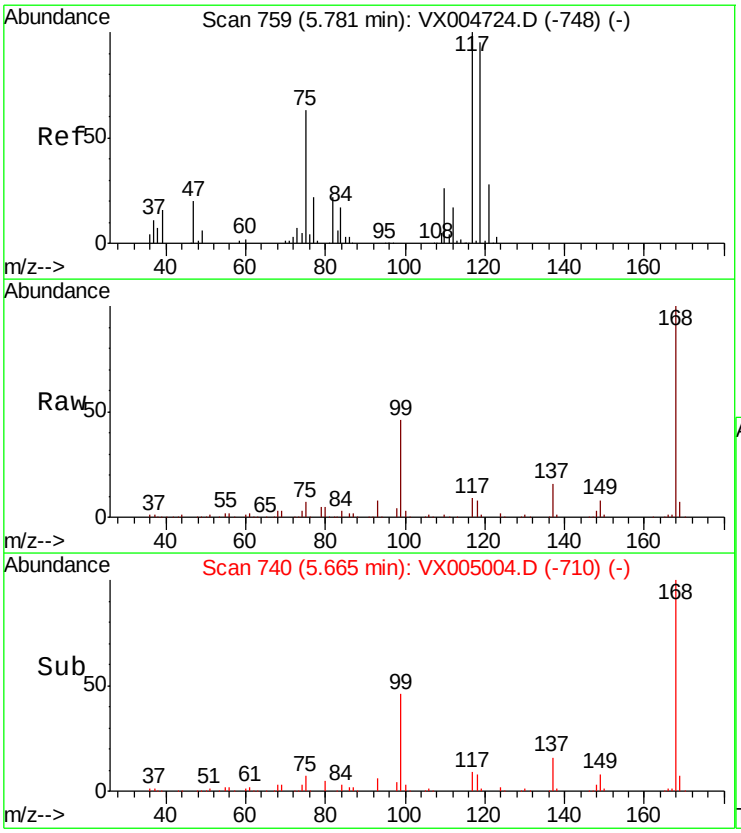

#36
1,1-Dichloropropene
Concen: 3.507 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 75 Resp: 17382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.4 | 20.0 | 59.9# |
| 77 | 0.0 | 27.1 | 40.7# |

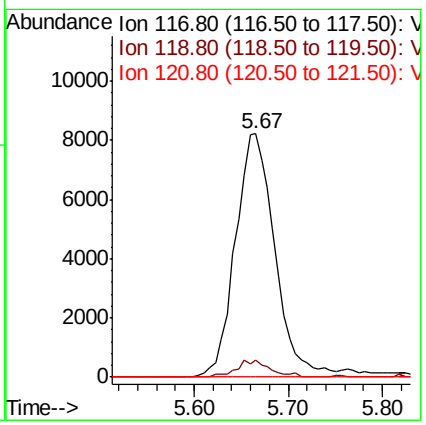


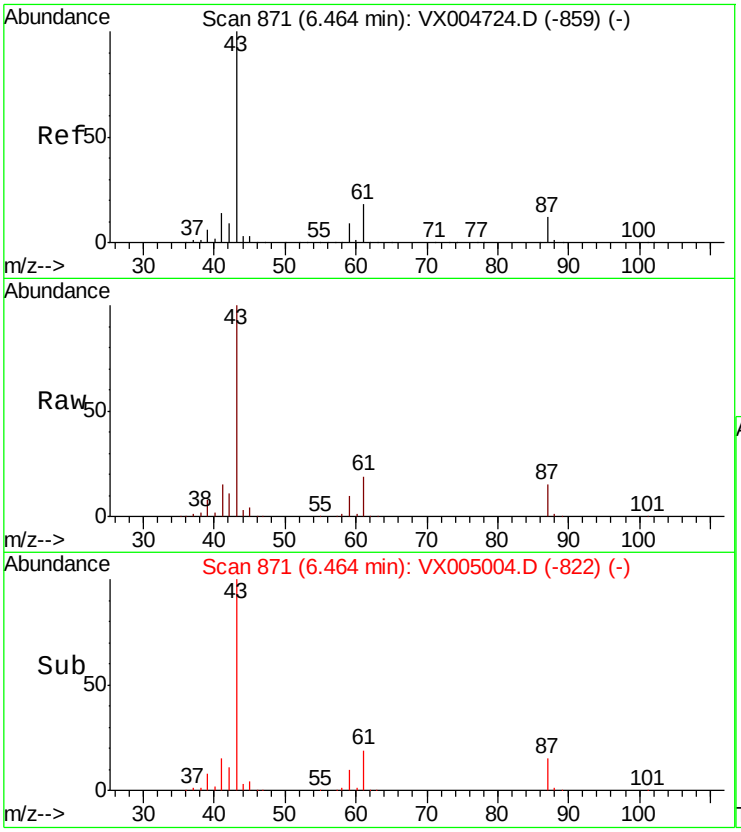




#38
Carbon Tetrachloride
Concen: 4.625 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion:117 Resp: 24096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.9 | 75.2 | 112.8# |
| 121 | 0.0 | 22.5 | 33.7# |



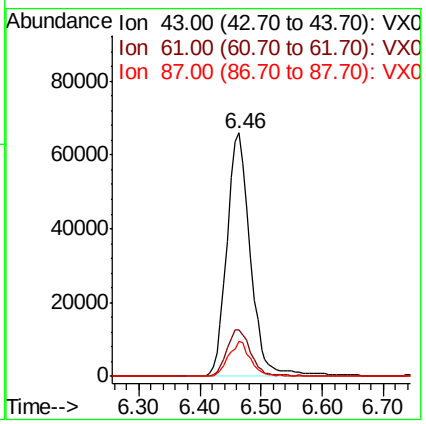


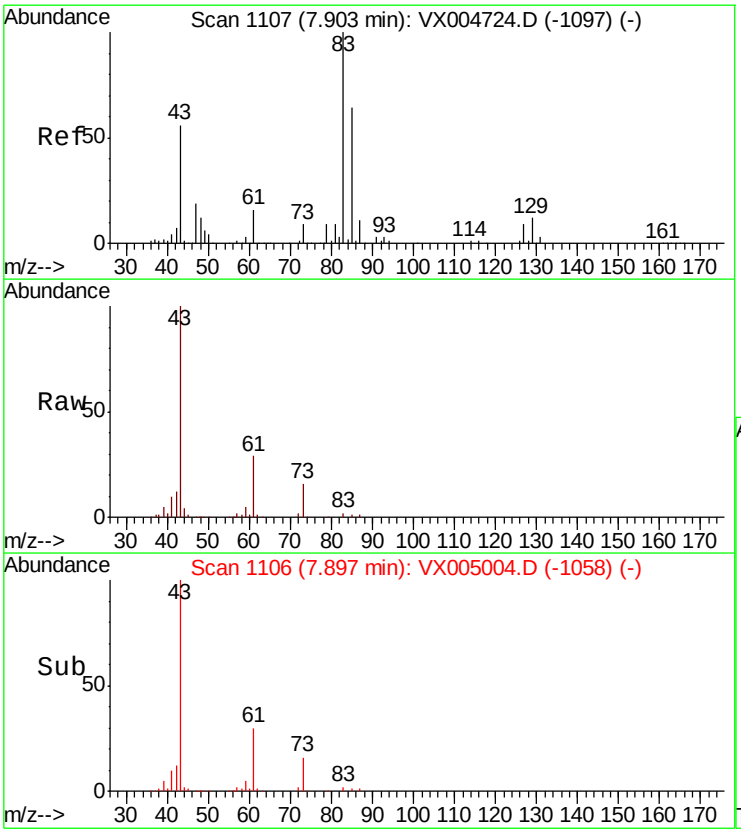

#43
Isopropyl Acetate
Concen: 18.321 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 43 Resp: 173968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 14.2 | 21.4 |
| 87 | 13.3 | 9.3 | 13.9 |

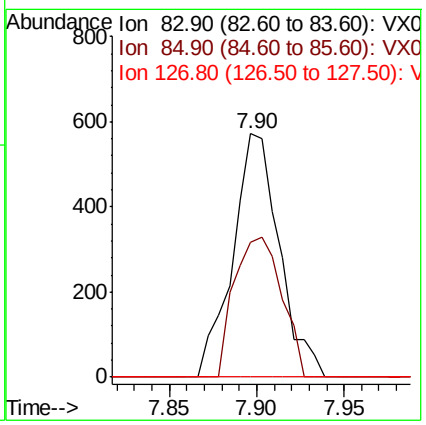


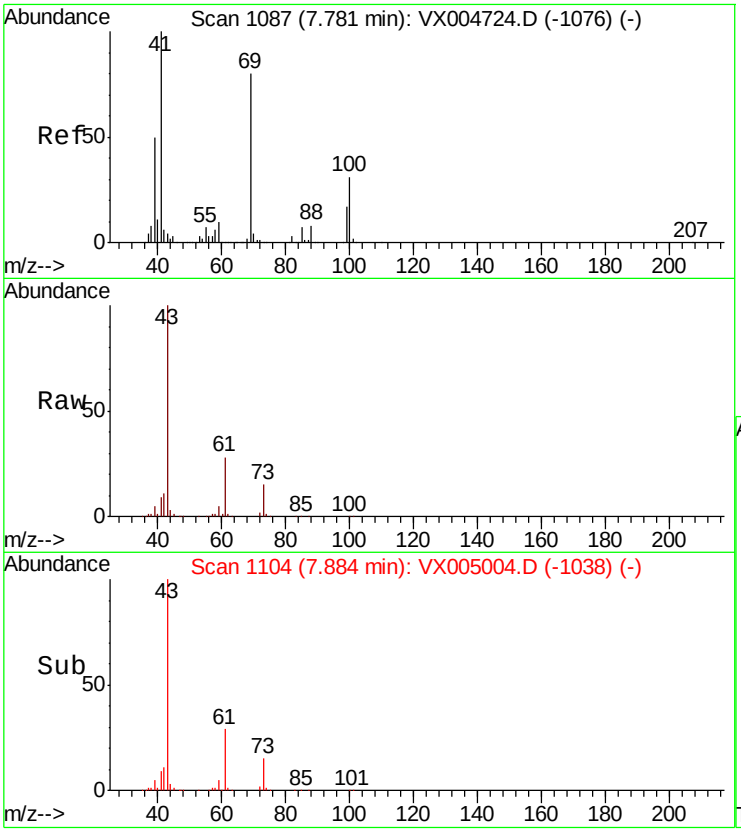




#47
Bromodichloromethane
Concen: 0.237 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 83 Resp: 1063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 55.6 | 51.2 | 76.8 |
| 127 | 0.0 | 7.0 | 10.6# |



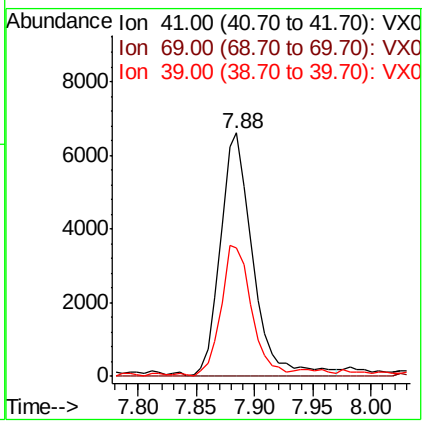


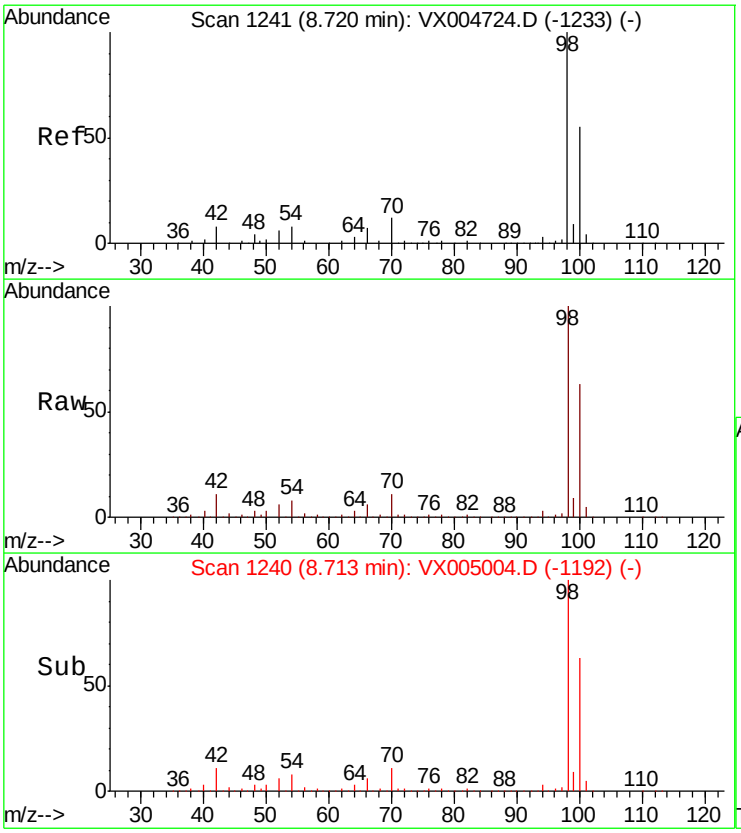

#48
Methyl methacrylate
Concen: 2.971 ug/l
RT: 7.88 min Scan# 1104
Delta R.T. 0.10 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 41 Resp: 12806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 63.8 | 95.6# |
| 39 | 50.9 | 40.7 | 61.1 |

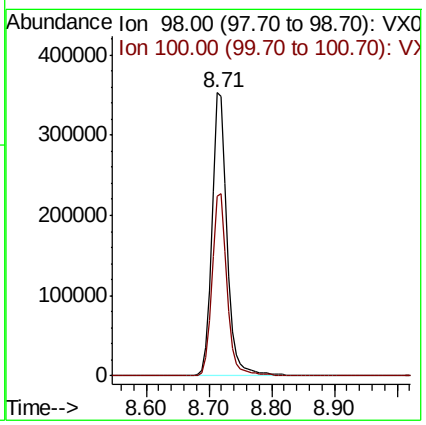


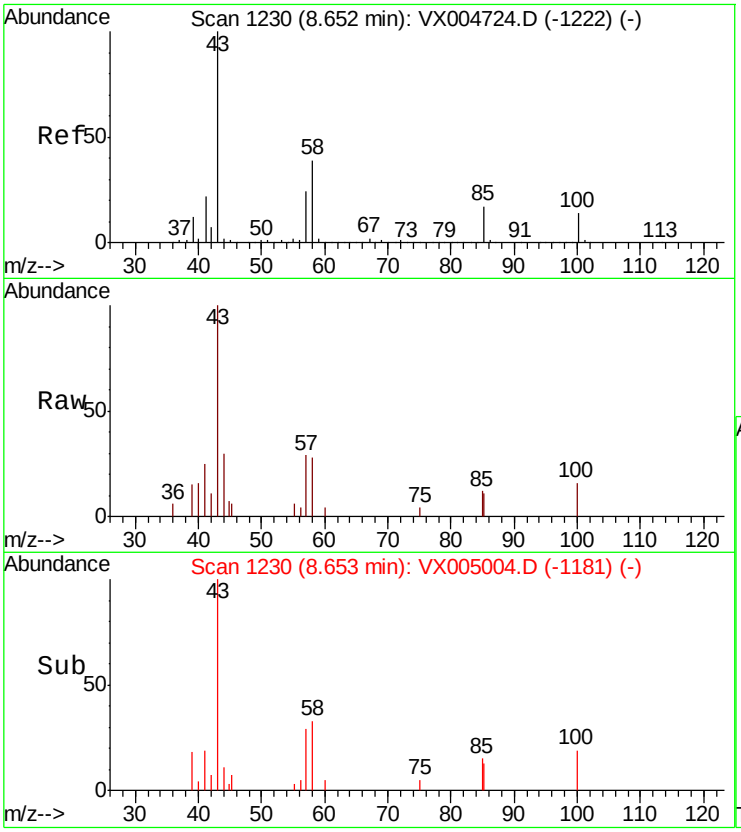




#50
Toluene-d8
Concen: 48.617 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 98 Resp: 587104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.9 | 77.9 |



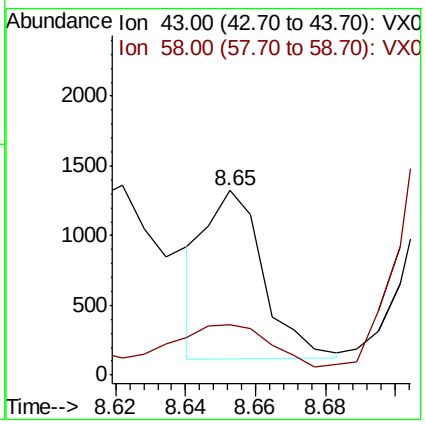


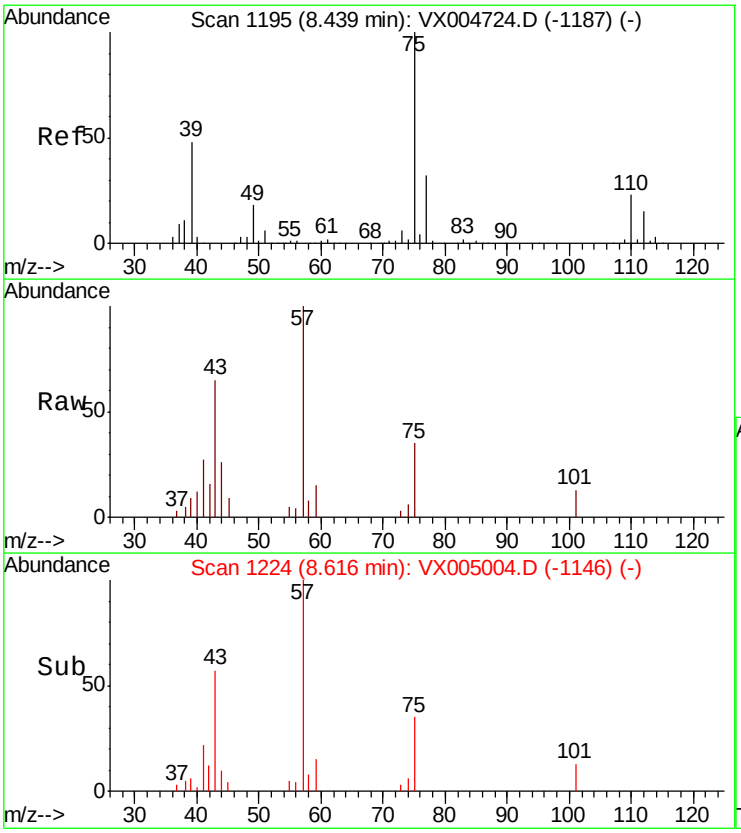

#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :** MSVOA_X
**ClientSampleId :** CB-1018-S-TCLP-GRID41-2

Tgt Ion: 43 Resp: 1381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 68.9 | 30.5 | 45.7# |

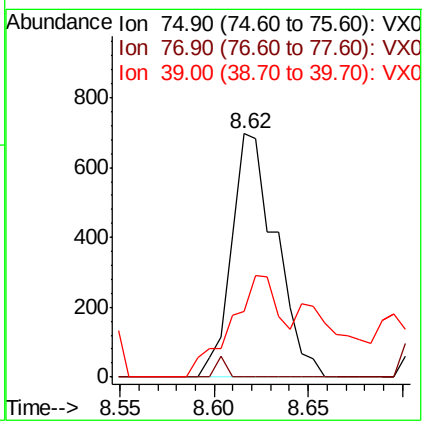


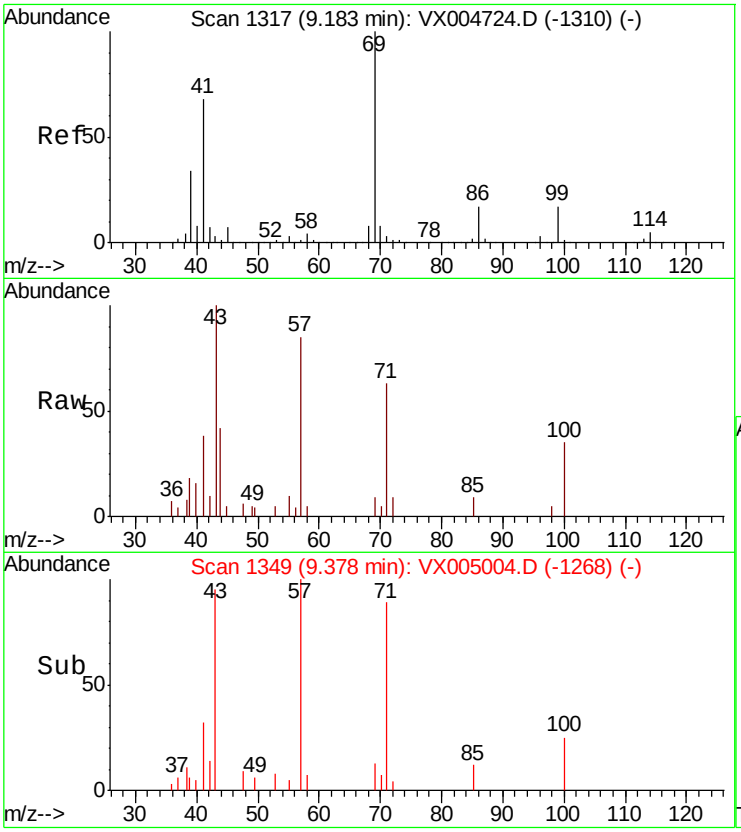




#54
cis-1,3-Dichloropropene
Concen: 0.214 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 75 Resp: 1136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.7 | 38.5# |
| 39 | 27.1 | 38.3 | 57.5# |



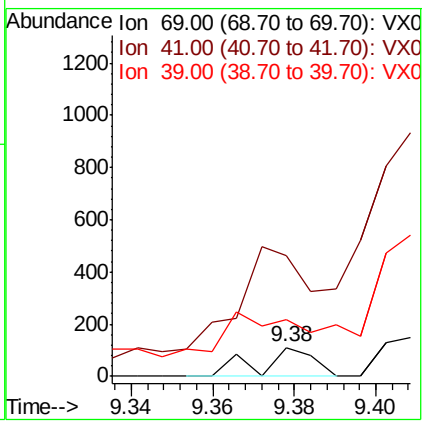


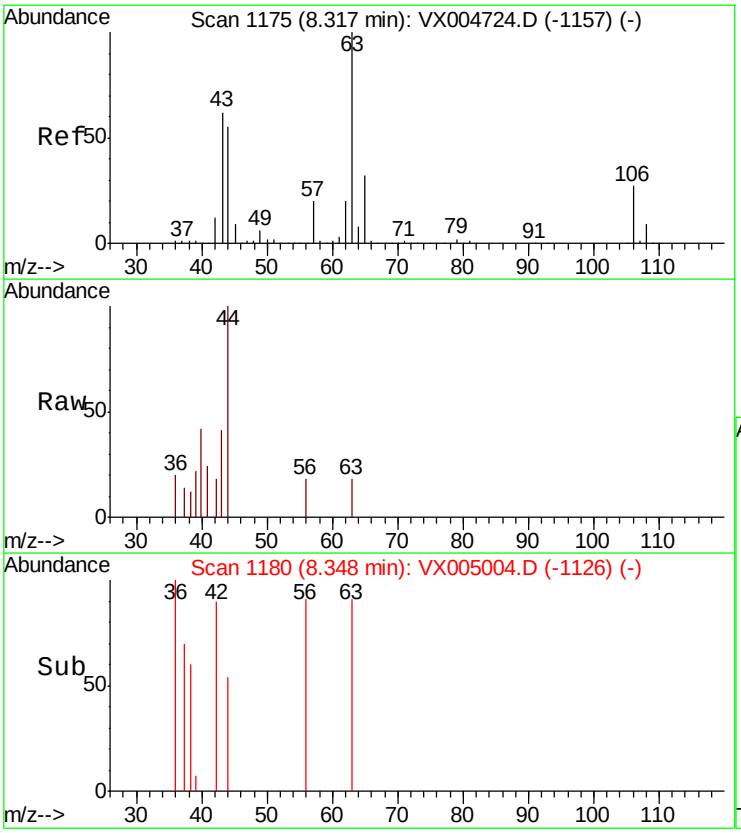

#56
Ethyl methacrylate
Concen: 2.878 ug/l
RT: 9.38 min Scan# 1349
Delta R.T. 0.20 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 69 Resp: 100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 455.0 | 56.9 | 85.3# |
| 39 | 225.0 | 28.4 | 42.6# |

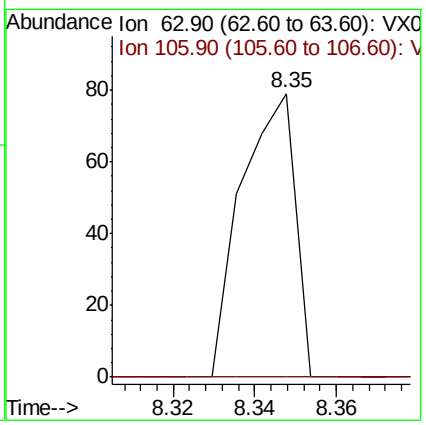


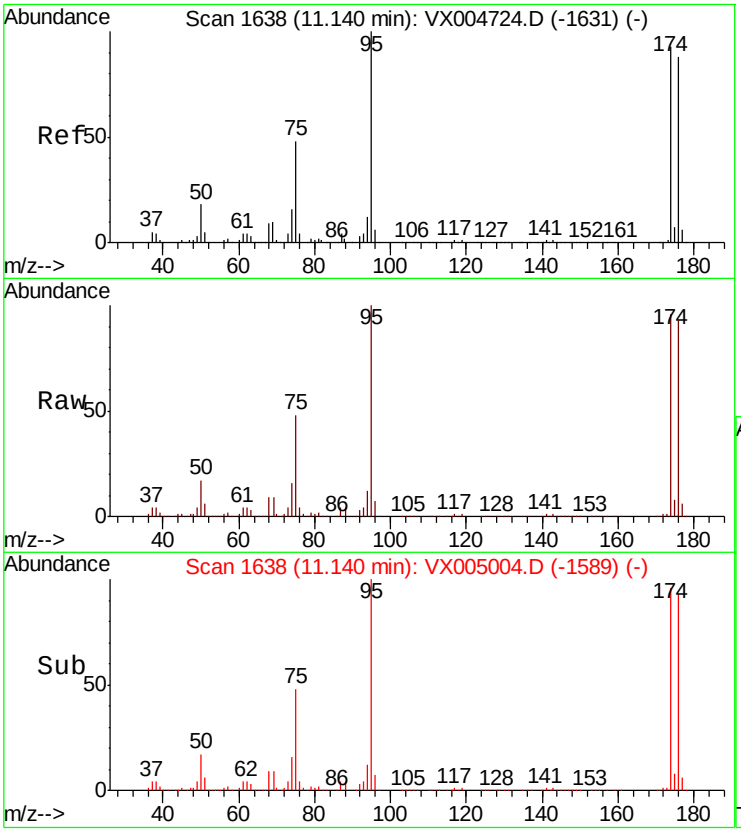




#58
2-Chloroethyl Vinyl ether
Concen: 14.263 ug/l
RT: 8.35 min Scan# 1180
Delta R.T. 0.03 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 63 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 21.0 | 31.6# |



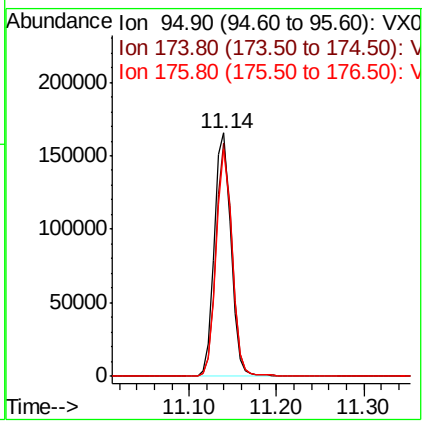


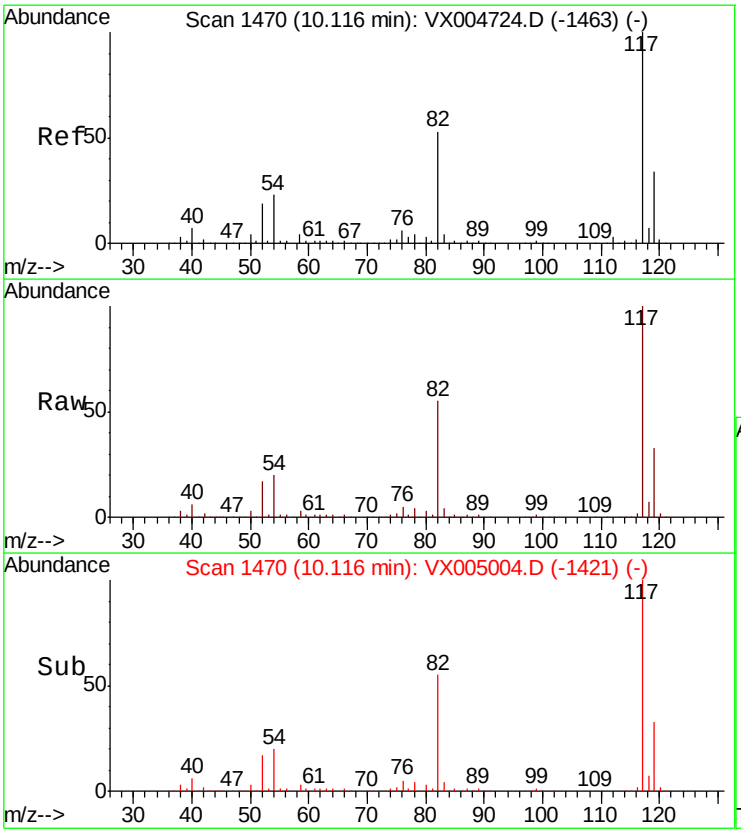

#62
4-Bromofluorobenzene
Concen: 49.936 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 95 Resp: 217246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.2 | 0.0 | 185.0 |
| 176 | 88.8 | 0.0 | 180.2 |

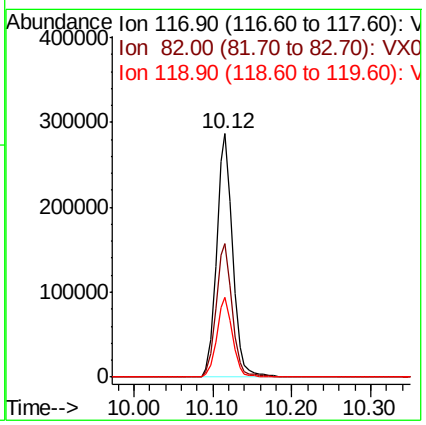


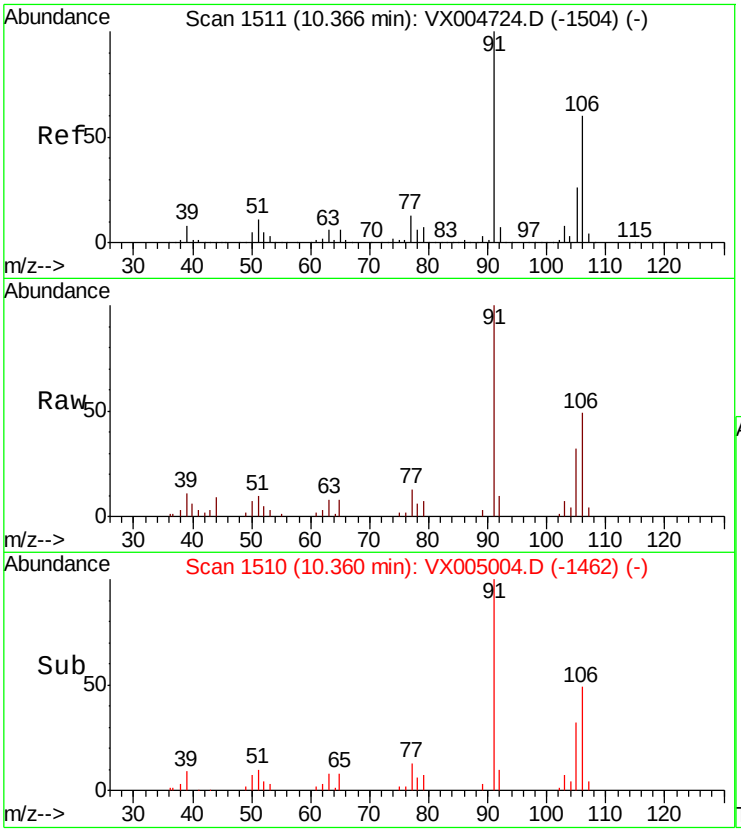




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion:117 Resp: 406605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 42.2 | 63.4 |
| 119 | 32.6 | 27.4 | 41.0 |



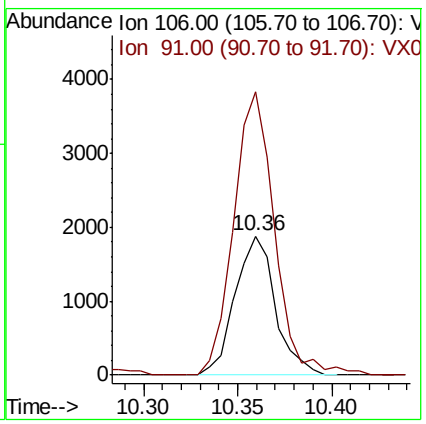


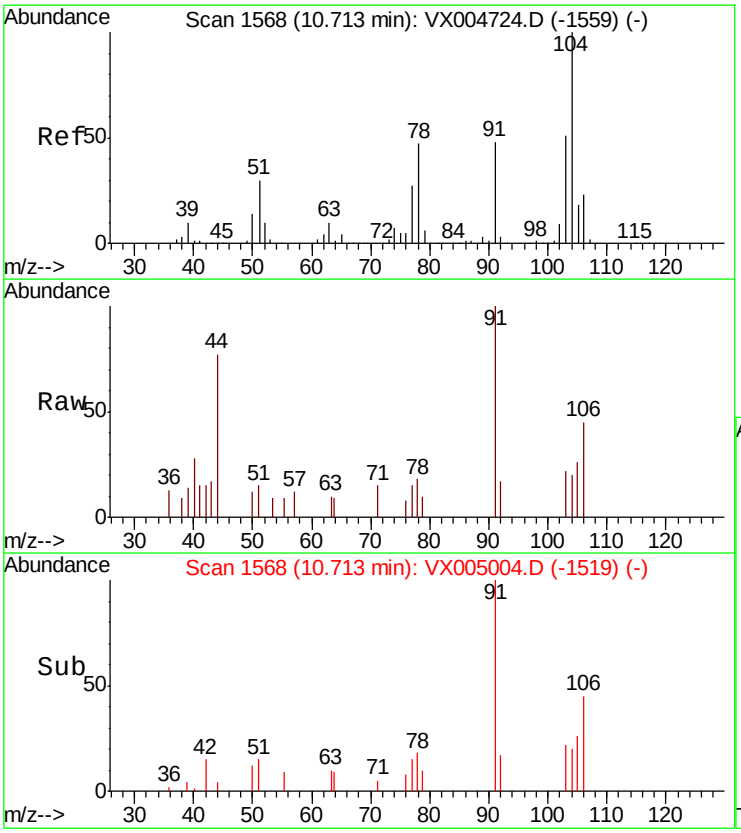

#68
m/p-Xylenes
Concen: 0.429 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion:106 Resp: 2778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.5 | 157.5 | 236.3 |

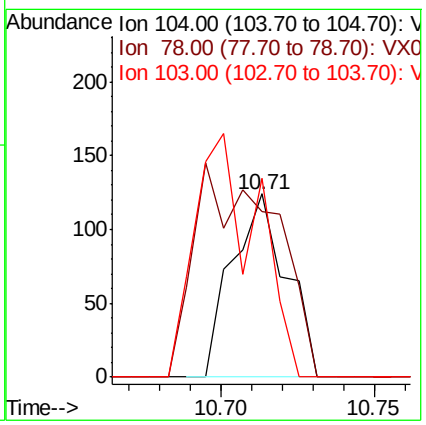


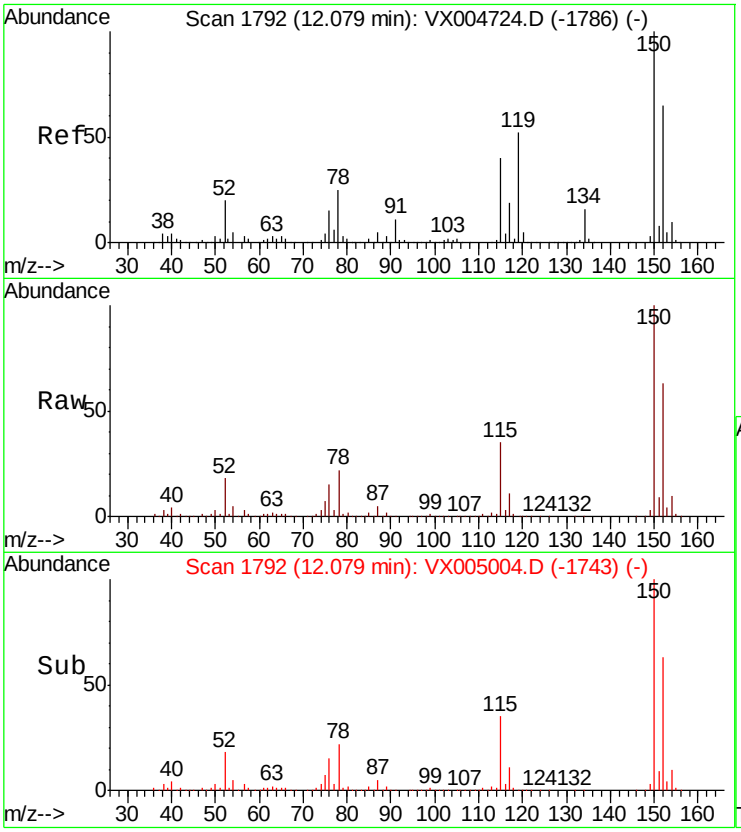




#70
Styrene
Concen: 2.154 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion:104 Resp: 152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 173.0 | 40.0 | 60.0# |
| 103 | 152.6 | 44.3 | 66.5# |



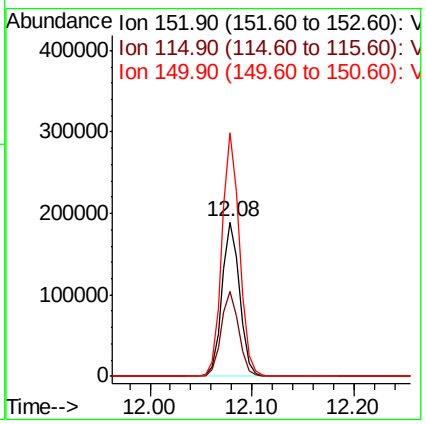


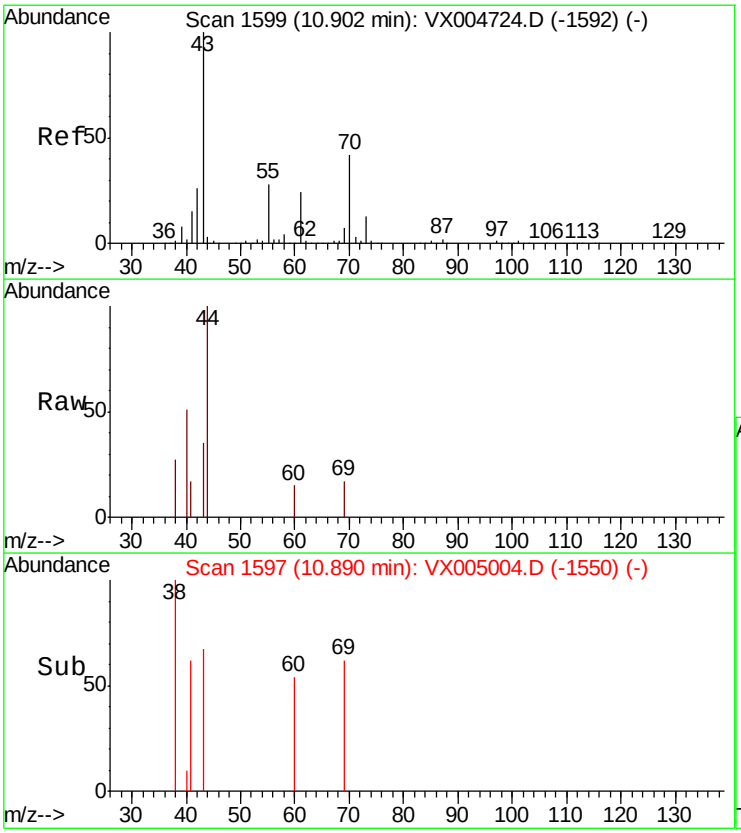

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion:152 Resp: 226609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.5 | 40.2 | 120.6 |
| 150 | 157.2 | 0.0 | 351.0 |

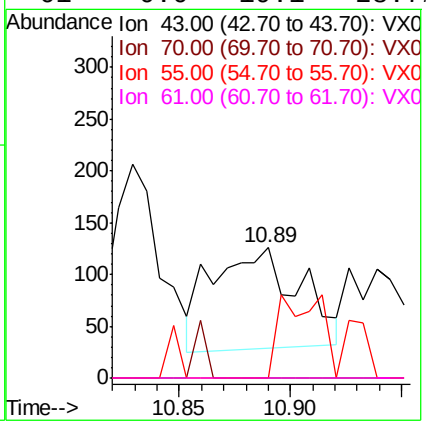


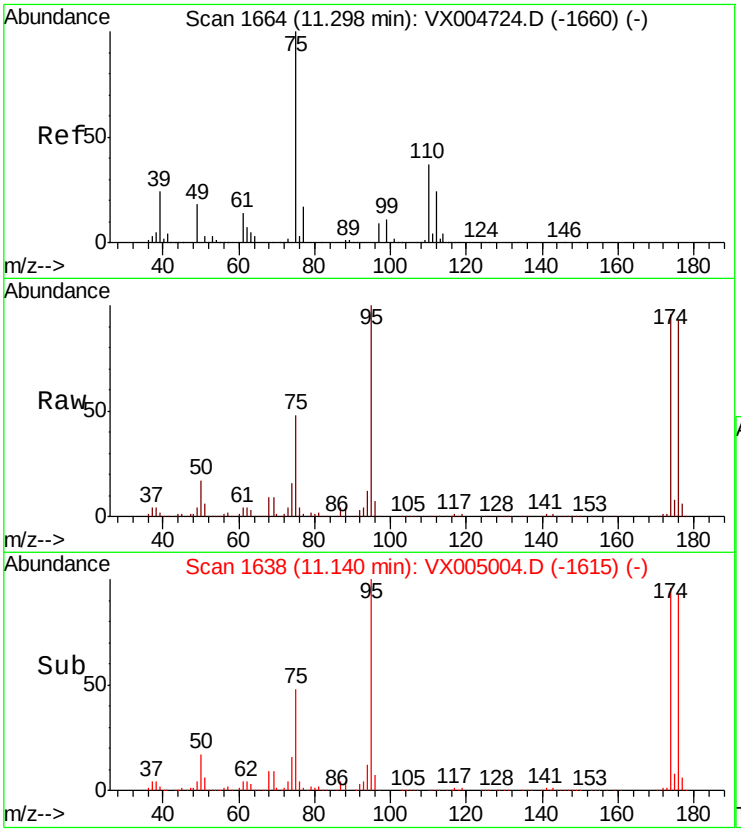




#74
N-amyl acetate
Concen: 1.781 ug/l
RT: 10.89 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 43 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.6 | 48.8# |
| 55 | 39.5 | 21.6 | 32.4# |
| 61 | 0.0 | 19.1 | 28.7# |



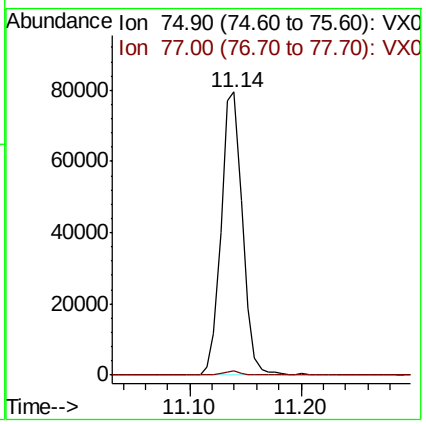


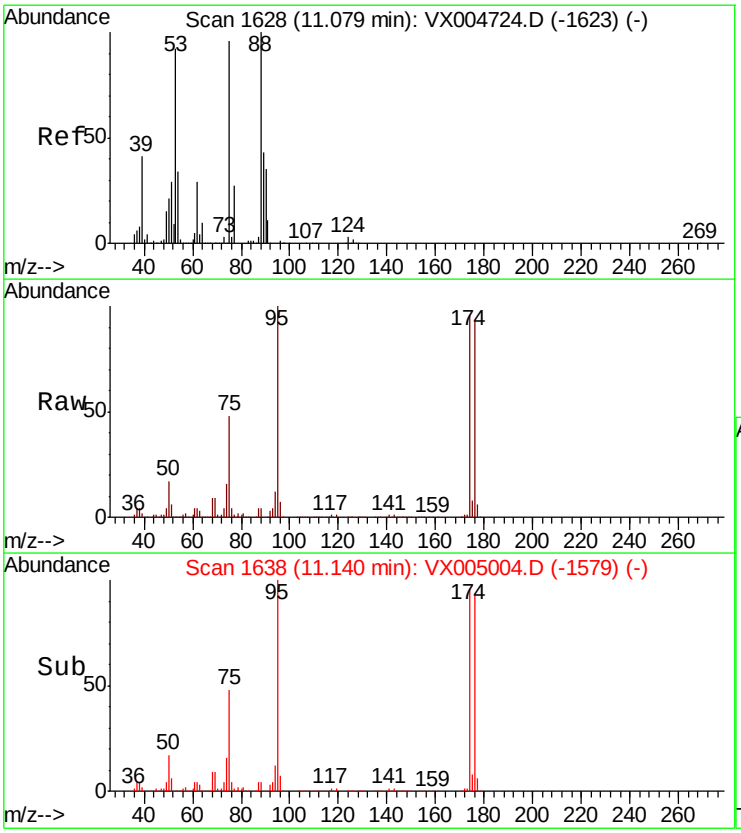

#76
1,2,3-Trichloropropane
Concen: 20.774 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion: 75 Resp: 105515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 21.4 | 64.3# |

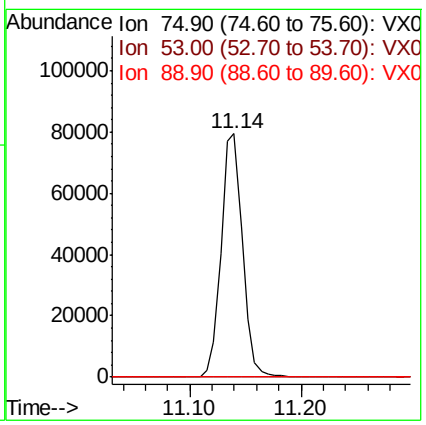


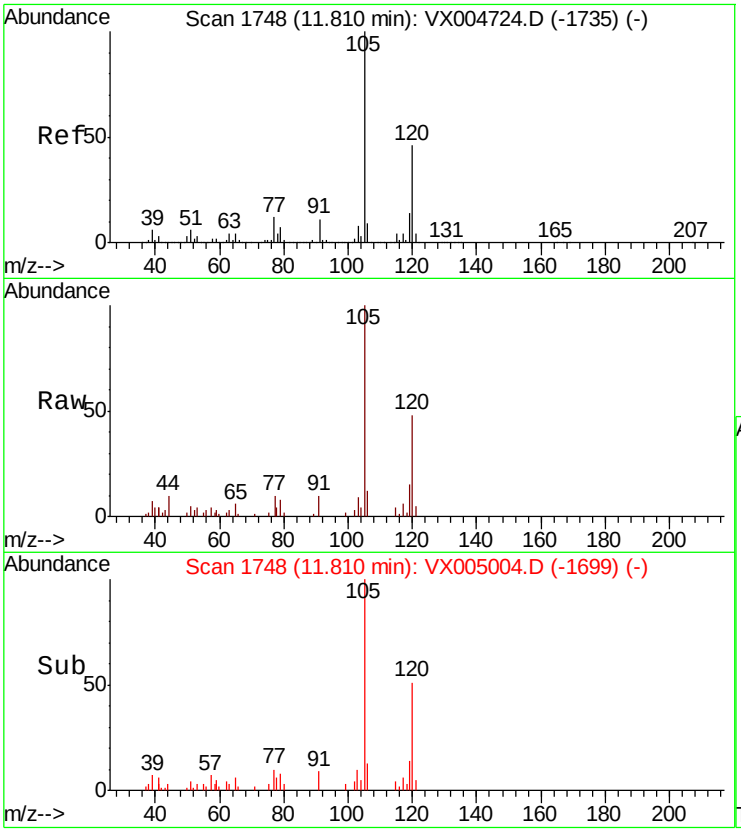




#81
trans-1,4-Dichloro-2-butene
Concen: 56.394 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion: 75 Resp: 105515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 80.2 | 120.4# |
| 89 | 0.0 | 37.1 | 55.7# |



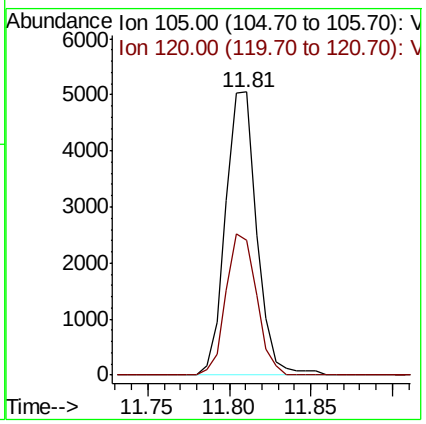


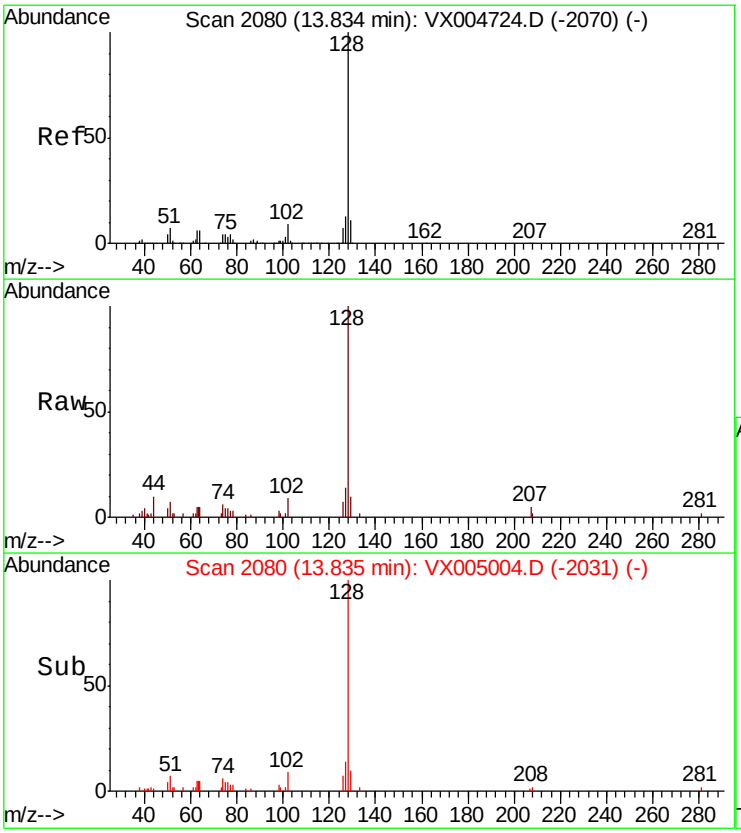

#84
1,2,4-Trimethylbenzene
Concen: 0.302 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

**Instrument :**
MSVOA_X
**ClientSampleId :**
CB-1018-S-TCLP-GRID41-2

Tgt Ion:105 Resp: 6734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 22.8 | 68.3 |




#95
Naphthalene
Concen: 1.004 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005004.D
Acq: 04 Oct 2018 07:48

Tgt Ion:128 Resp: 5438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.7 | 10.4 | 15.6 |
| 129 | 10.7 | 8.7 | 13.1 |