Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
Data File : VX004990.D
Acq On : 04 Oct 2018 00:41
Operator : JC/MD
Sample : PB113446ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Quant Time: Oct 04 01:29:30 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 | 5.66 | 168 | 286424 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 442079 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 423877 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 232364 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 193091 | 47.19 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.38% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 168955 | 45.09 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.18% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 622993 | 50.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.04% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 224889 | 50.12 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.24% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.71 | 64 | 138 | Below Cal | # | 45 |
| 11) Tert butyl alcohol | 3.03 | 59 | 7132 | 6.234 | ug/l # | 81 |
| 13) Acrolein | 2.29 | 56 | 341 | 0.419 | ug/l # | 10 |
| 16) Acetone | 2.45 | 43 | 22685 | 9.497 | ug/l # | 89 |
| 18) Methyl Acetate | 2.78 | 43 | 14905 | 2.463 | ug/l | 99 |
| 20) Methylene Chloride | 2.85 | 84 | 5739 | 0.827 | ug/l | 97 |
| 25) 2-Butanone | 4.70 | 43 | 5615 | 1.595 | ug/l | 93 |
| 29) Tetrahydrofuran | 5.16 | 42 | 2447 | 1.118 | ug/l | 91 |
| 31) Cyclohexane | 5.67 | 56 | 4699 | 0.903 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 17846 | 3.491 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 23923 | 4.452 | ug/l # | 17 |
| 43) Isopropyl Acetate | 6.46 | 43 | 246765 | 25.196 | ug/l | 96 |
| 48) Methyl methacrylate | 7.69 | 41 | 9702 | 2.183 | ug/l # | 26 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 4764 | 0.773 | ug/l # | 37 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 1679 | 0.307 | ug/l # | 56 |
| 56) Ethyl methacrylate | 9.41 | 69 | 731 | 2.972 | ug/l # | 1 |
| 58) 2-Chloroethyl Vinyl ether | 8.32 | 63 | 24 | 14.249 | ug/l # | 49 |
| 59) 2-Hexanone | 9.55 | 43 | 15660 | 3.047 | ug/l # | 54 |
| 68) m/p-Xylenes | 10.36 | 106 | 3067 | 0.455 | ug/l | 97 |
| 70) Styrene | 10.71 | 104 | 372 | 2.171 | ug/l # | 34 |
| 74) N-amyl acetate | 10.91 | 43 | 133 | 1.764 | ug/l # | 48 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 108111 | 20.758 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 108111 | 56.352 | ug/l # | 10 |
| 95) Naphthalene | 13.83 | 128 | 1939 | 0.818 | ug/l # | 92 |

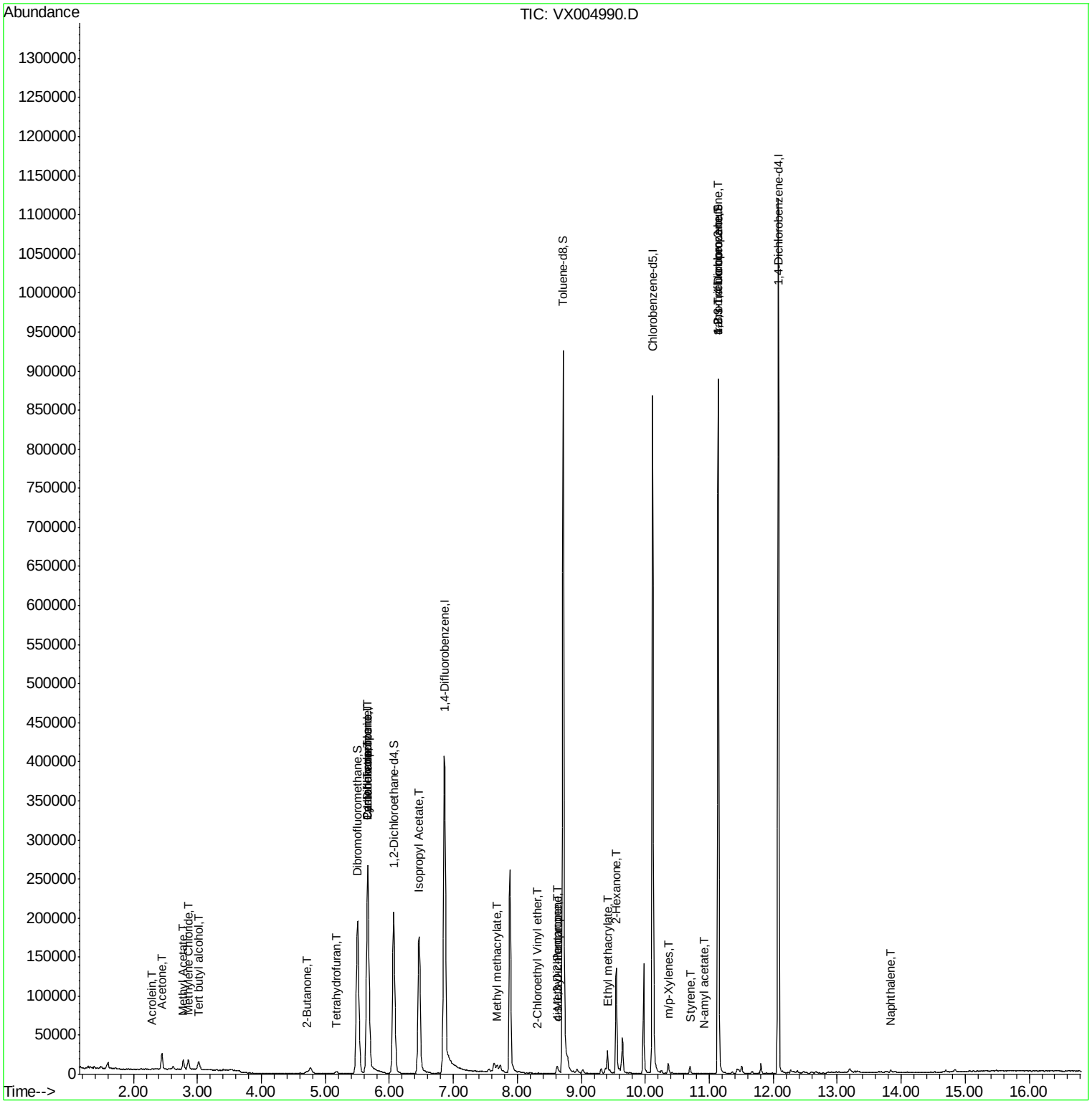
(#) = qualifier out of range (m) = manual integration (+) = signals summed

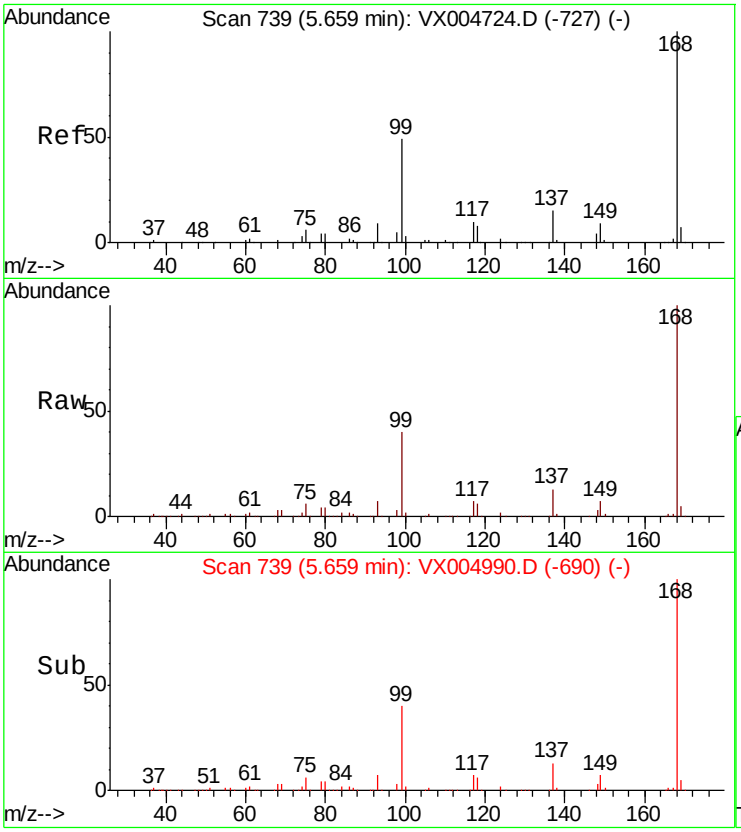
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
Data File : VX004990.D
Acq On : 04 Oct 2018 00:41
Operator : JC/MD
Sample : PB113446ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Quant Time: Oct 04 01:29:30 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



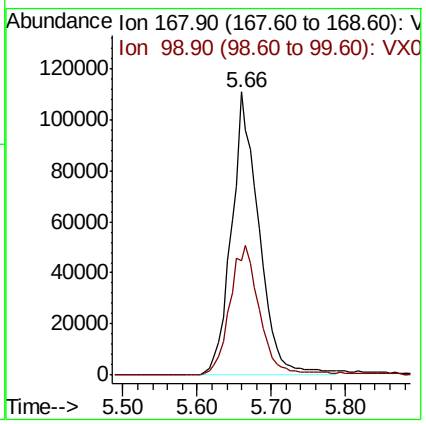


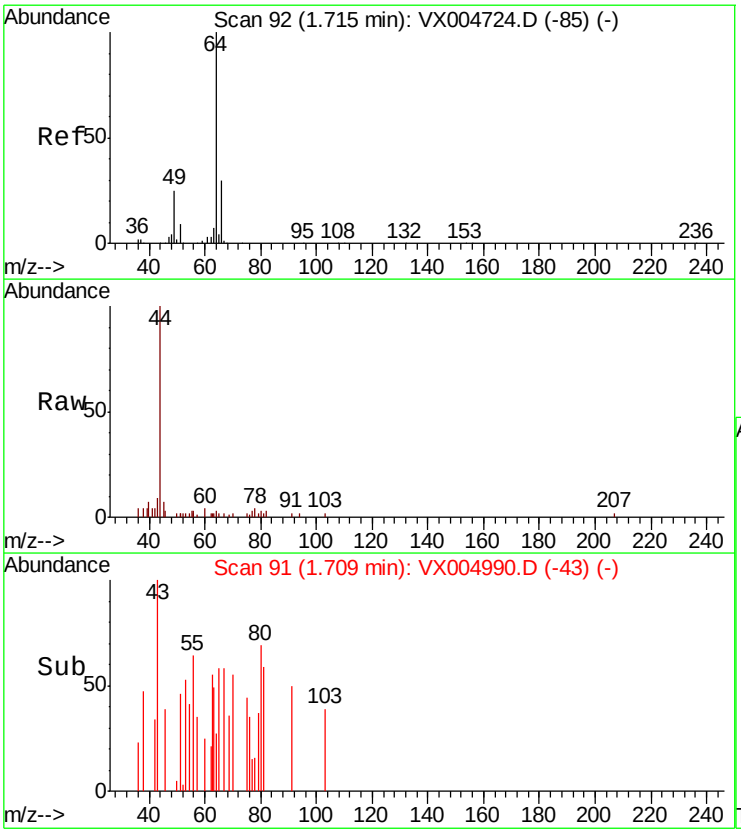

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion:168 Resp: 286424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 40.4 | 39.3 | 58.9 |

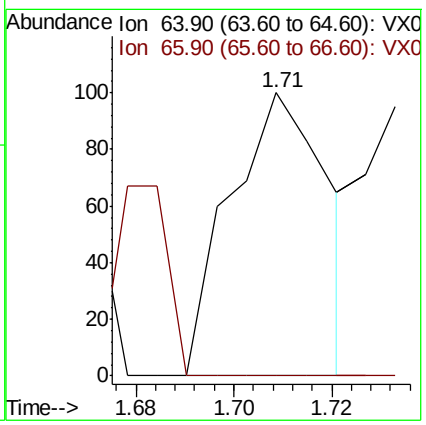


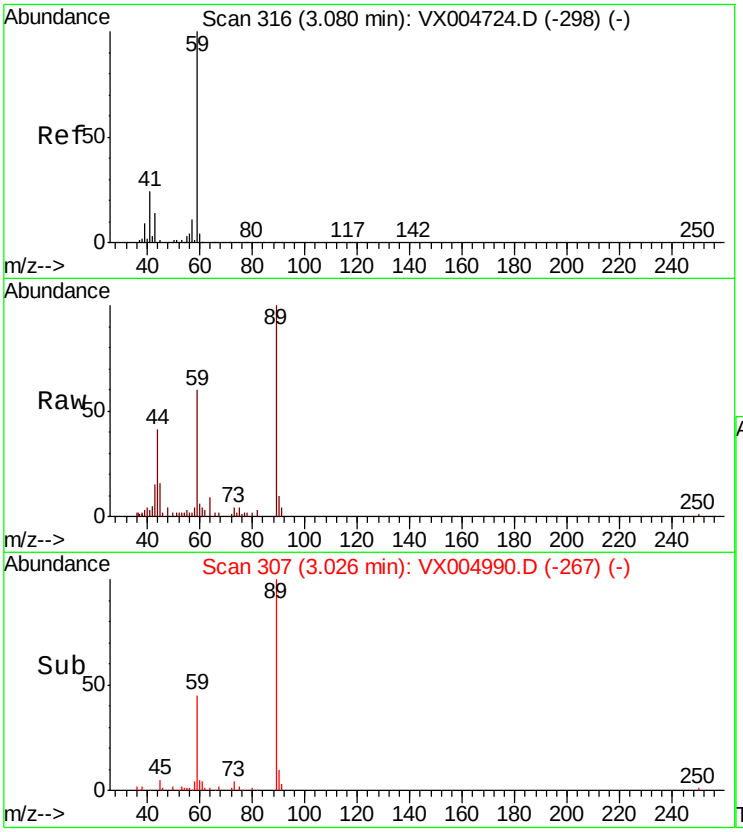




#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 91
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 64 Resp: 138

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



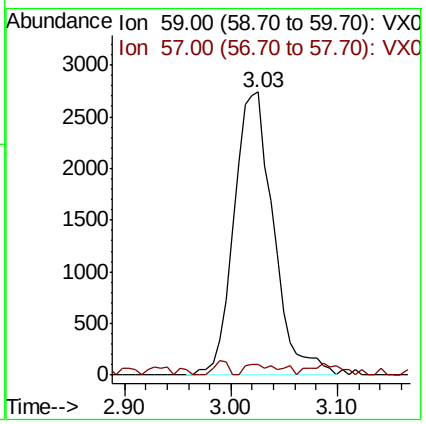


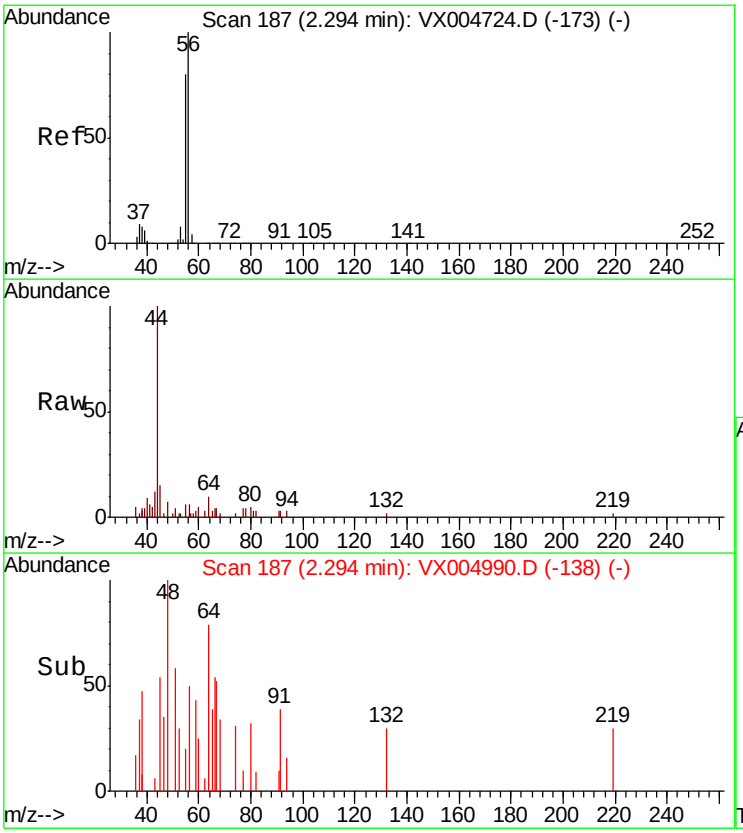

#11
Tert butyl alcohol
Concen: 6.234 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion: 59 Resp: 7132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.4 | 8.6 | 12.8# |

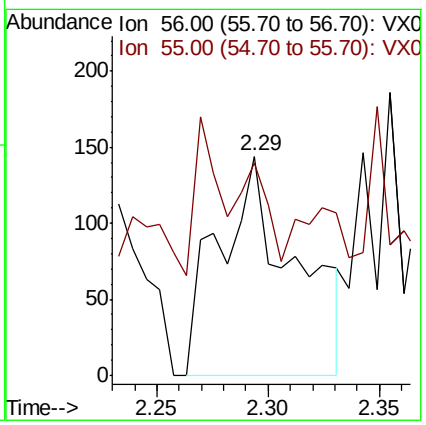


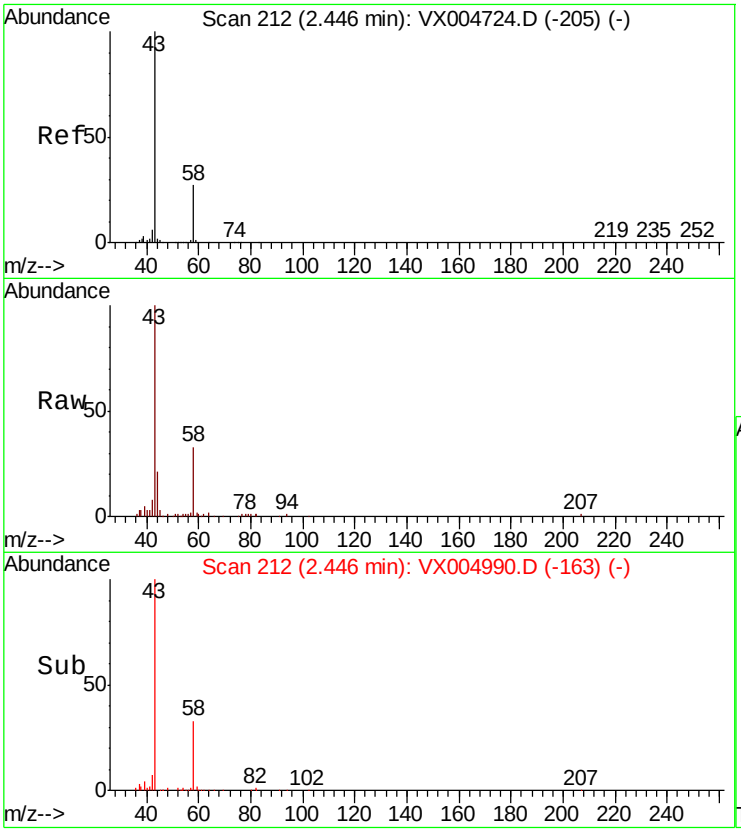




#13
Acrolein
Concen: 0.419 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 56 Resp: 341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 63.4 | 95.2# |



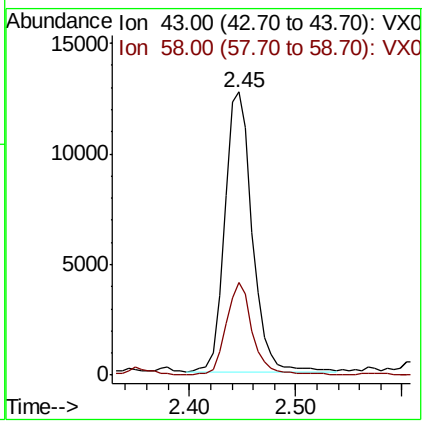


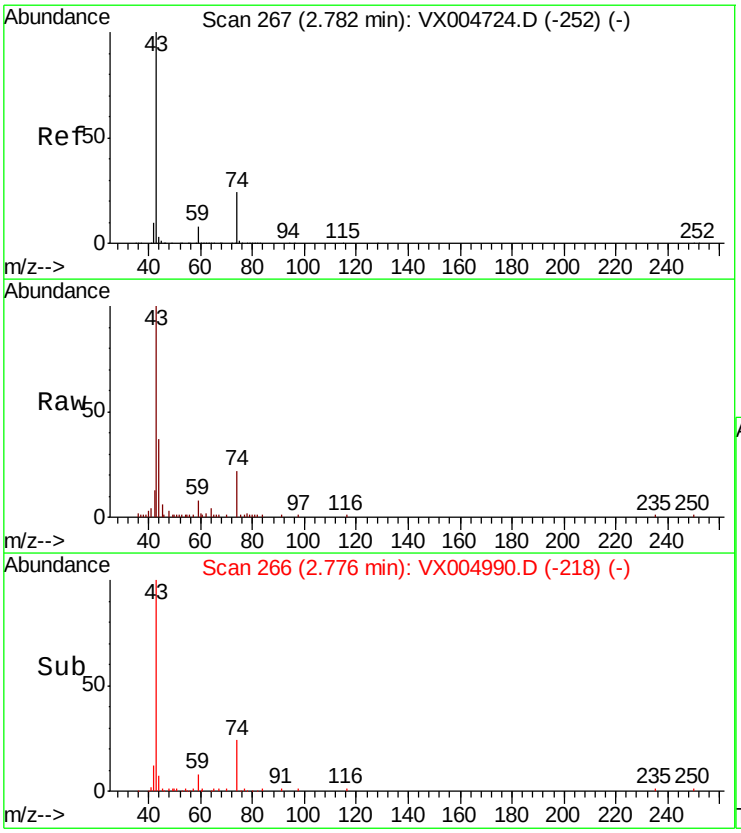

#16
Acetone
Concen: 9.497 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion: 43 Resp: 22685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.1 | 21.8 | 32.6# |

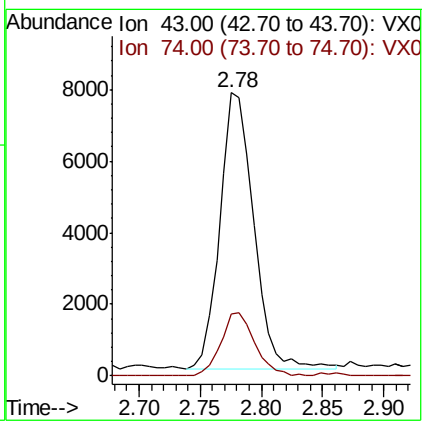


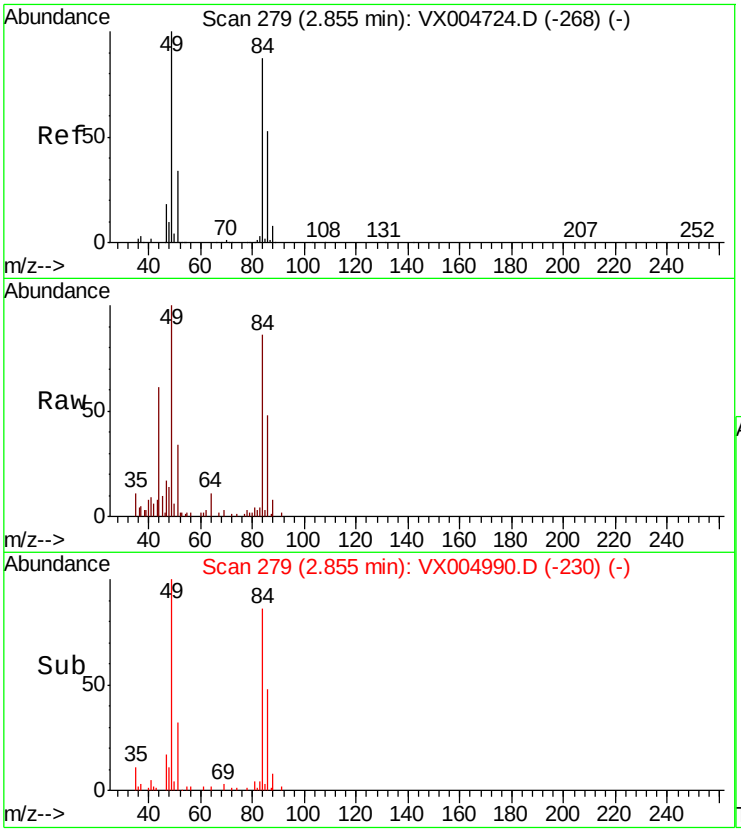




#18
Methyl Acetate
Concen: 2.463 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 43 Resp: 14905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 17.8 | 26.8 |



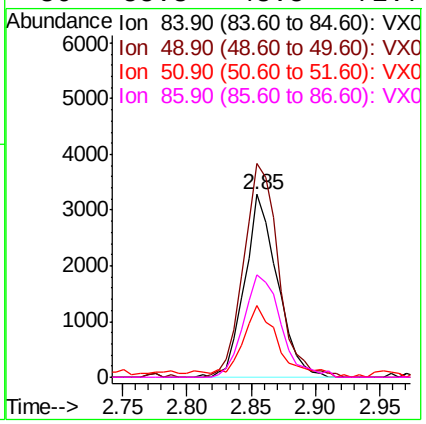


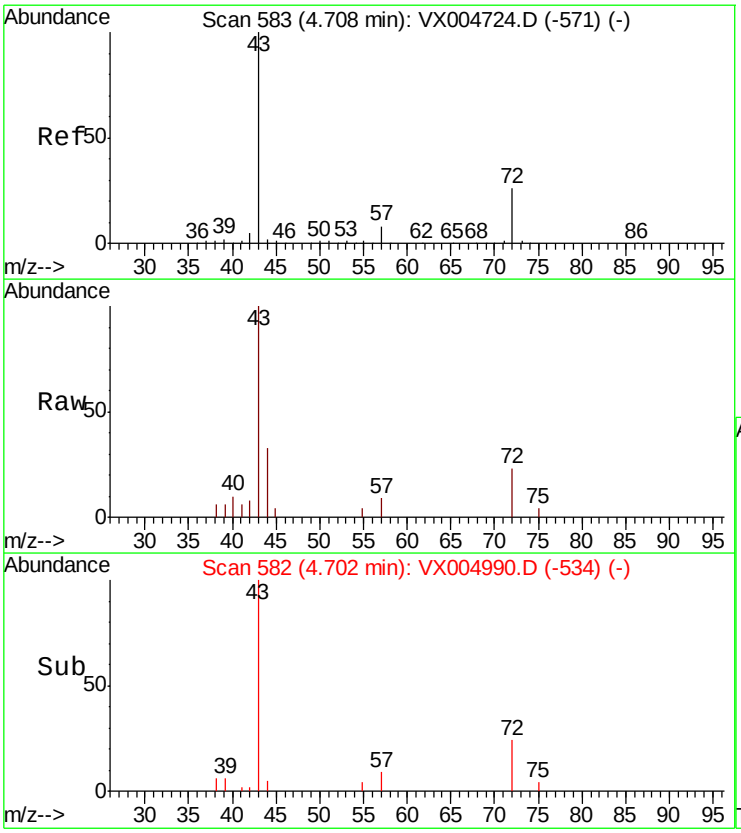

#20
Methylene Chloride
Concen: 0.827 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 84 Resp: 5739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.8 | 92.3 | 138.5 |
| 51 | 39.3 | 31.8 | 47.6 |
| 86 | 55.8 | 48.5 | 72.7 |

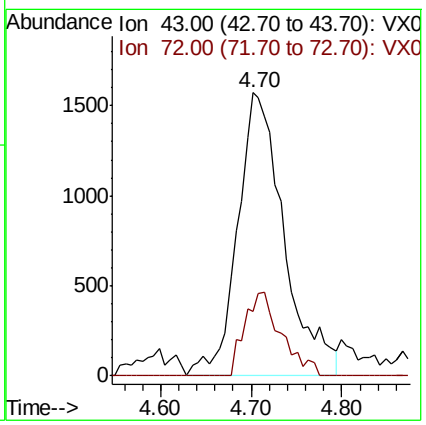


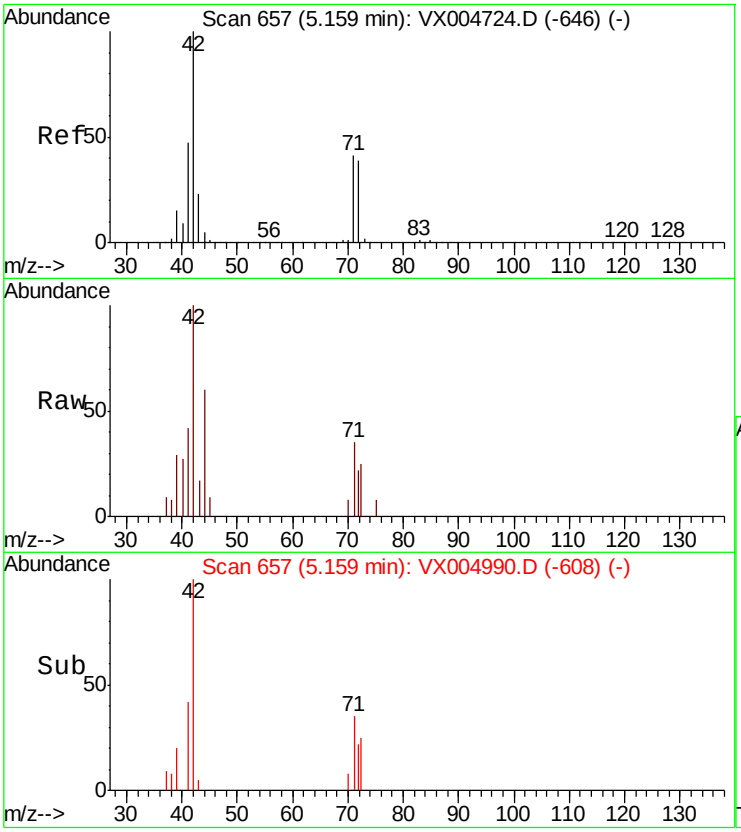




#25
2-Butanone
Concen: 1.595 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 43 Resp: 5615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.6 | 20.8 | 31.2 |



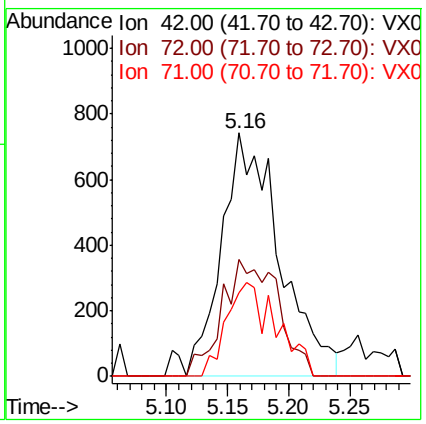


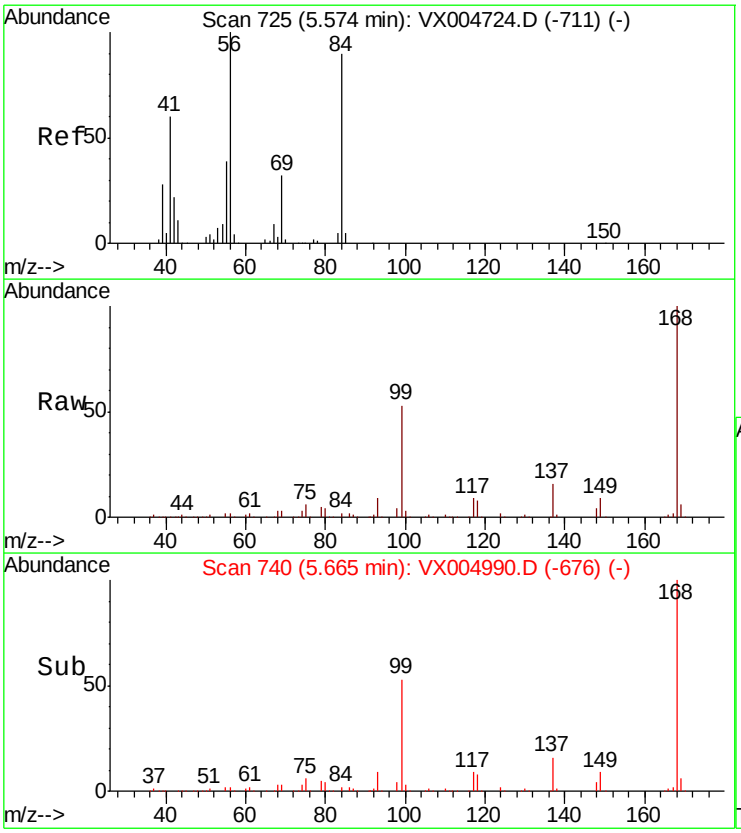

#29
Tetrahydrofuran
Concen: 1.118 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion: 42 Resp: 2447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.4 | 33.7 | 50.5 |
| 71 | 33.2 | 32.2 | 48.4 |

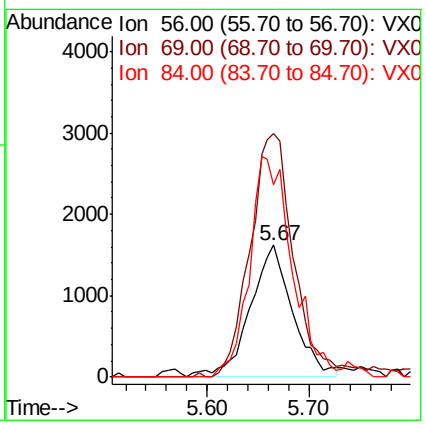


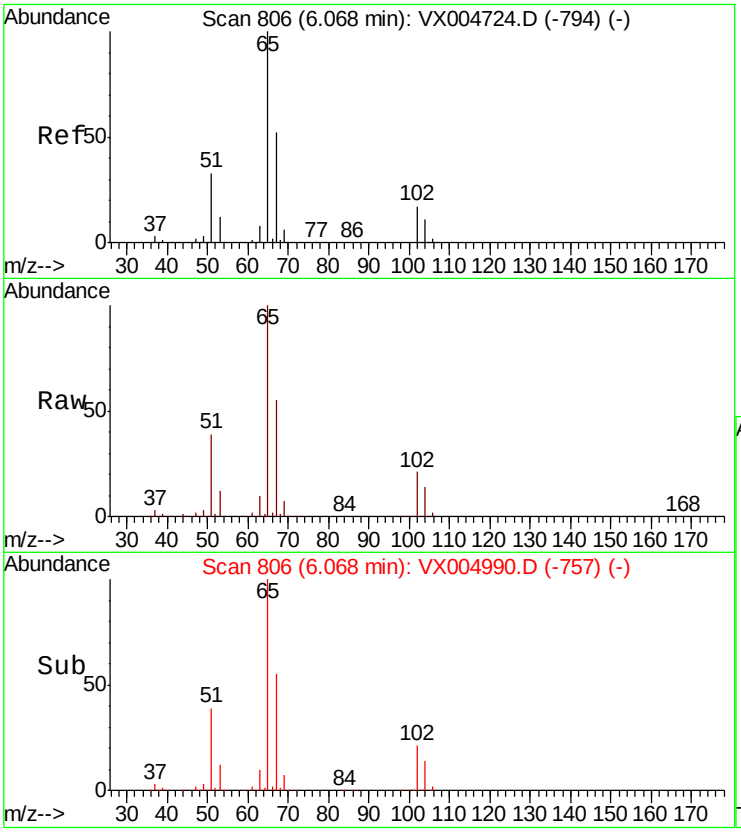




#31
Cyclohexane
Concen: 0.903 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 56 Resp: 4699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 185.0 | 25.9 | 38.9# |
| 84 | 146.4 | 71.9 | 107.9# |



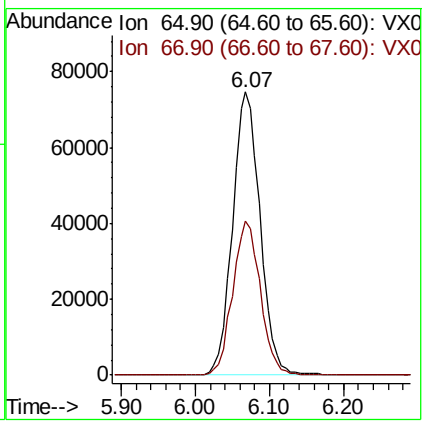


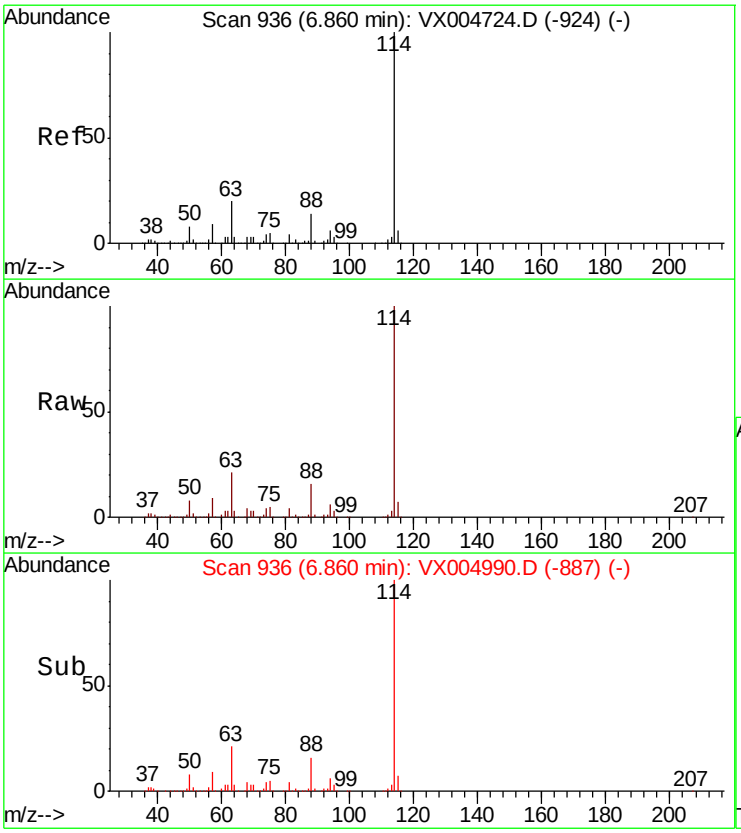

#33
1,2-Dichloroethane-d4
Concen: 47.192 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 65 Resp: 193091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.0 | 0.0 | 107.4 |

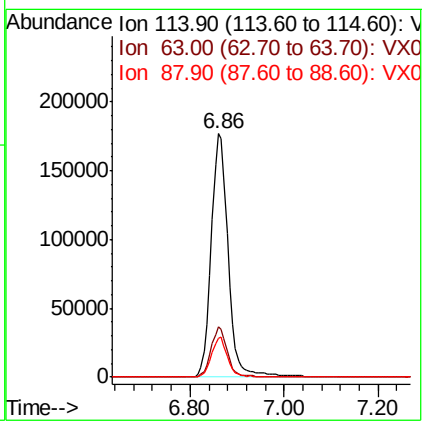


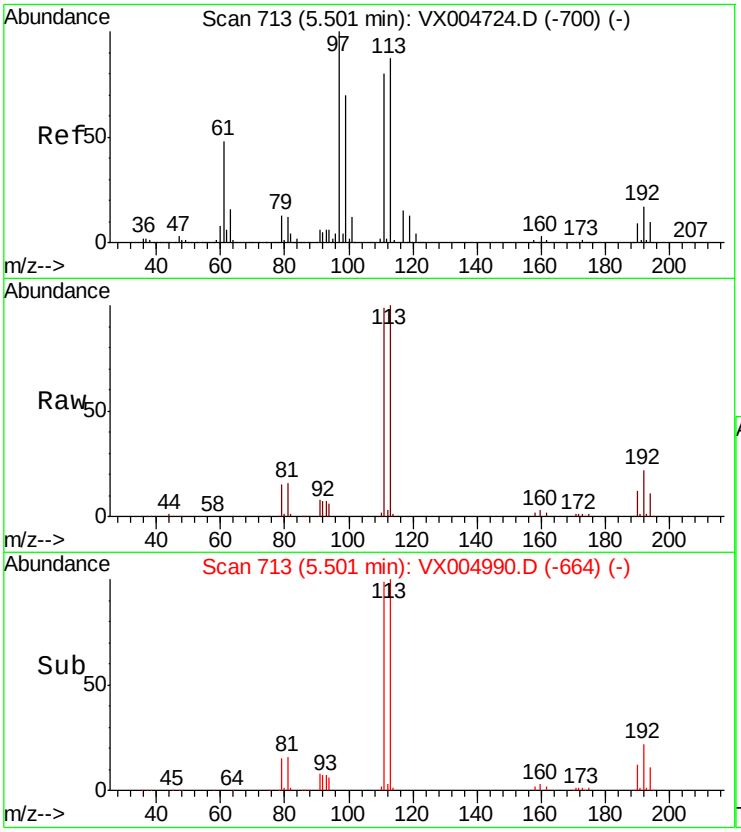




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion:114 Resp: 442079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 39.8 |
| 88 | 15.7 | 0.0 | 27.0 |



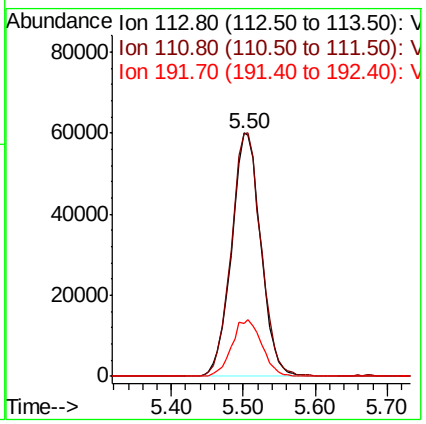


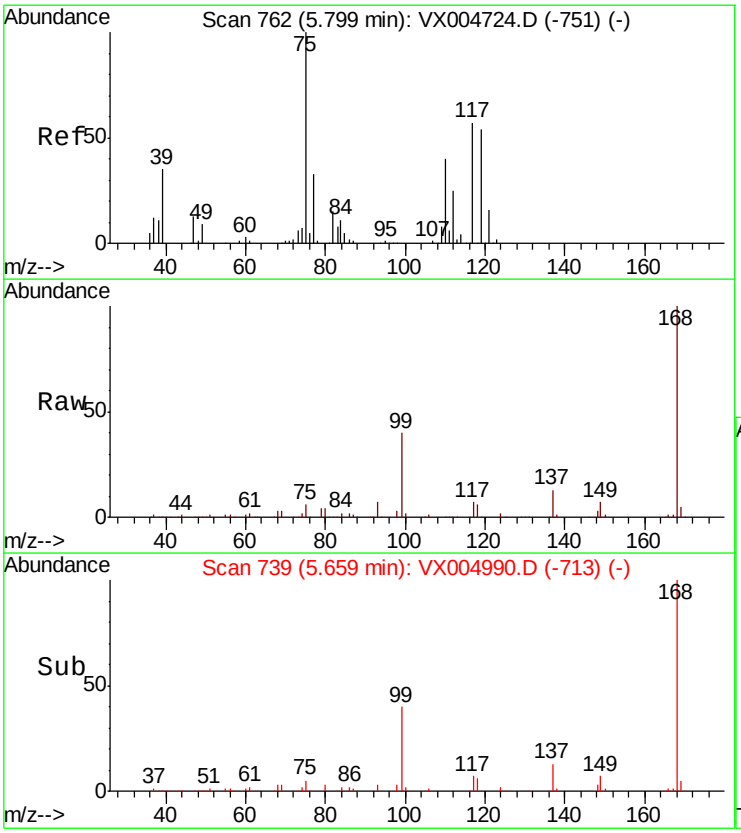

#35
Dibromofluoromethane
Concen: 45.095 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion:113 Resp: 168955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 77.0 | 115.4 |
| 192 | 23.7 | 17.0 | 25.6 |

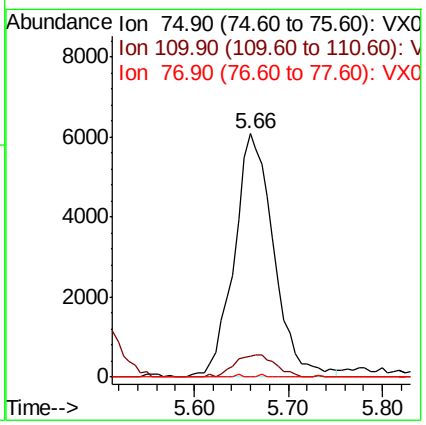


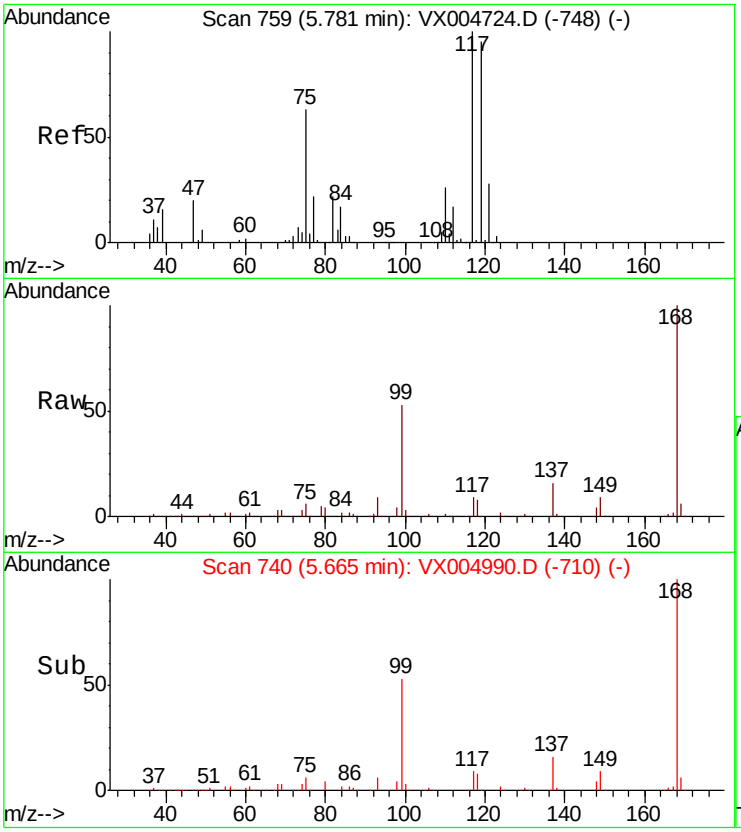




#36
1,1-Dichloropropene
Concen: 3.491 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 75 Resp: 17846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.5 | 20.0 | 59.9# |
| 77 | 0.2 | 27.1 | 40.7# |



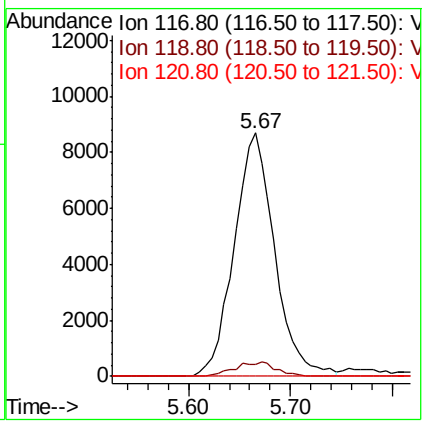


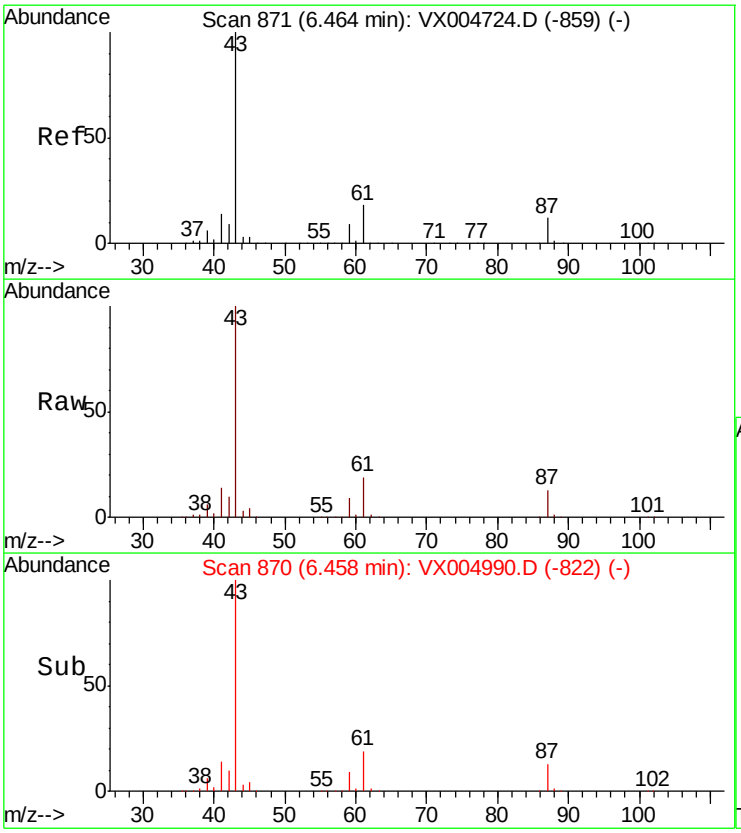

#38
Carbon Tetrachloride
Concen: 4.452 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion:117 Resp: 23923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.8 | 75.2 | 112.8# |
| 121 | 0.0 | 22.5 | 33.7# |

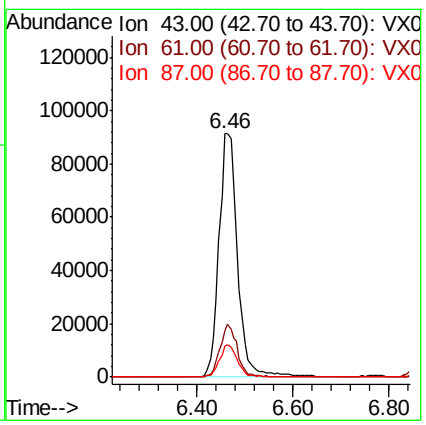


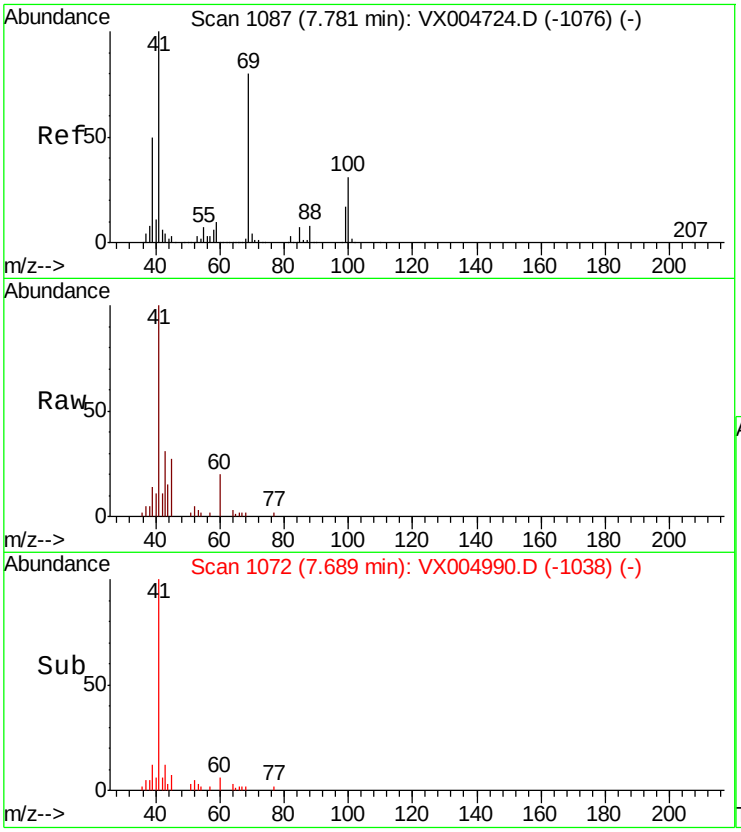




#43
Isopropyl Acetate
Concen: 25.196 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 43 Resp: 246765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.1 | 14.2 | 21.4 |
| 87 | 12.8 | 9.3 | 13.9 |



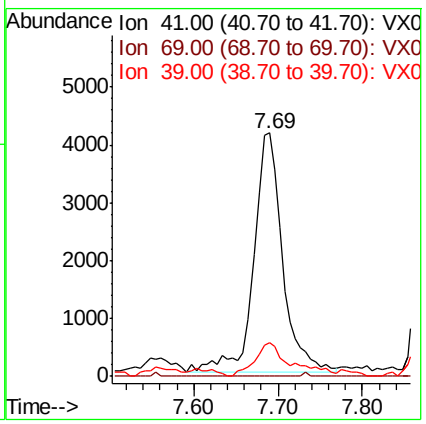


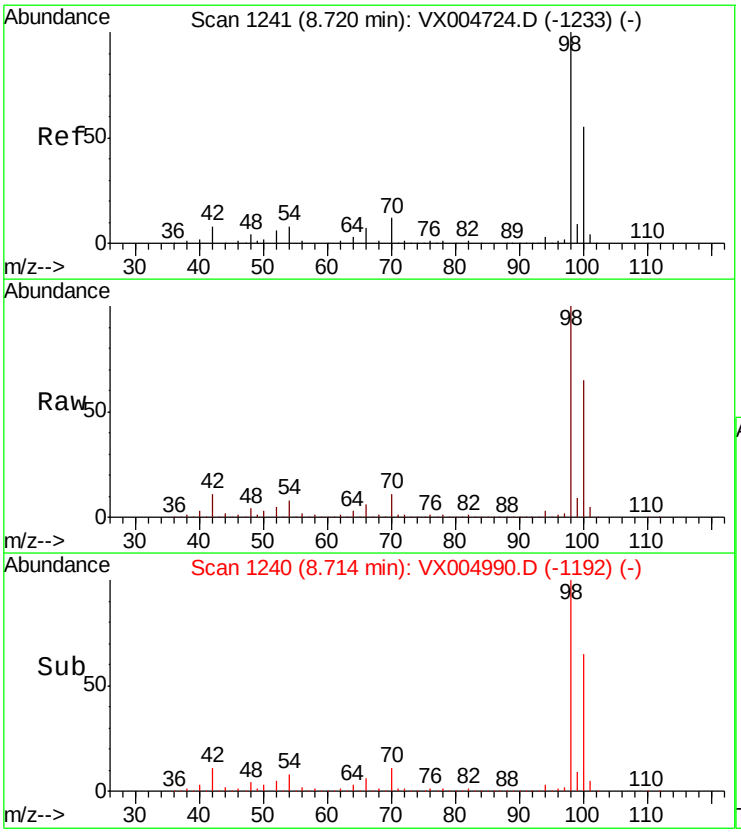

#48
Methyl methacrylate
Concen: 2.183 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 41 Resp: 9702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 63.8 | 95.6# |
| 39 | 17.8 | 40.7 | 61.1# |

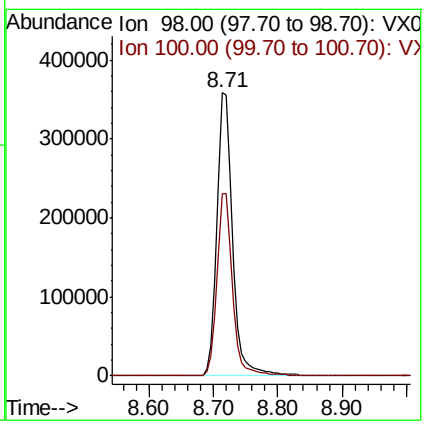


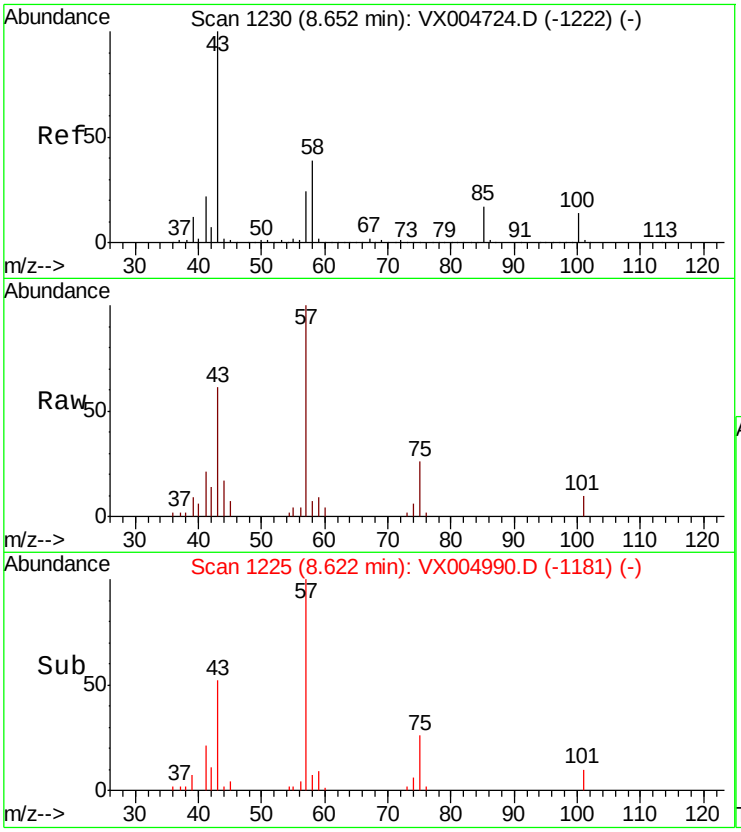




#50
Toluene-d8
Concen: 50.016 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 98 Resp: 622993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 51.9 | 77.9 |



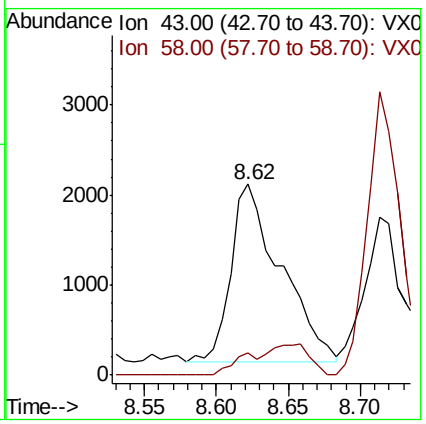


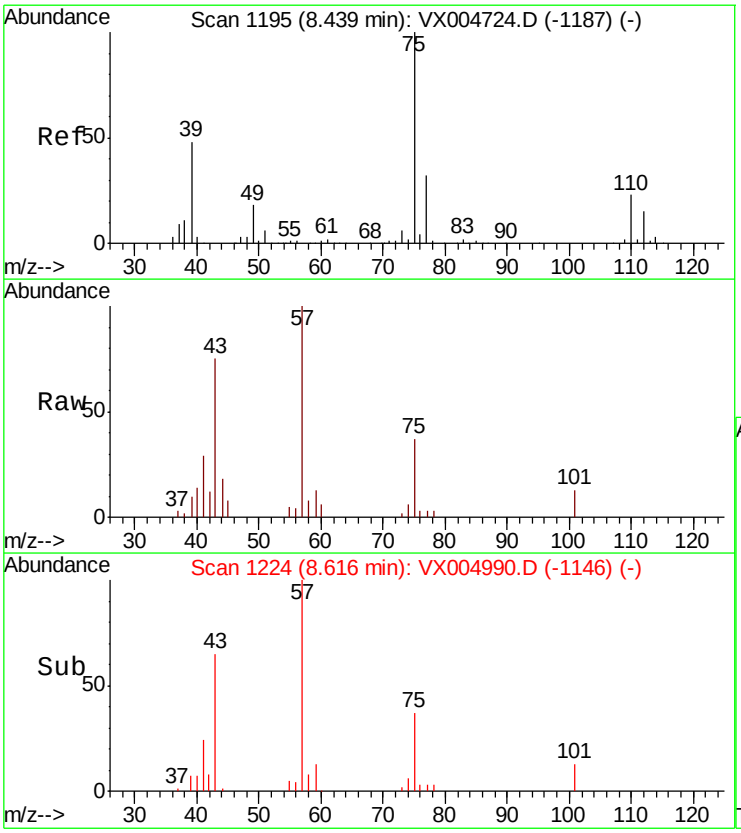

#51
4-Methyl-2-Pentanone
Concen: 0.773 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 43 Resp: 4764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 30.5 | 45.7# |

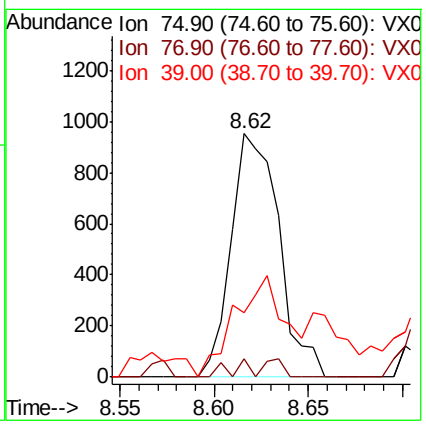


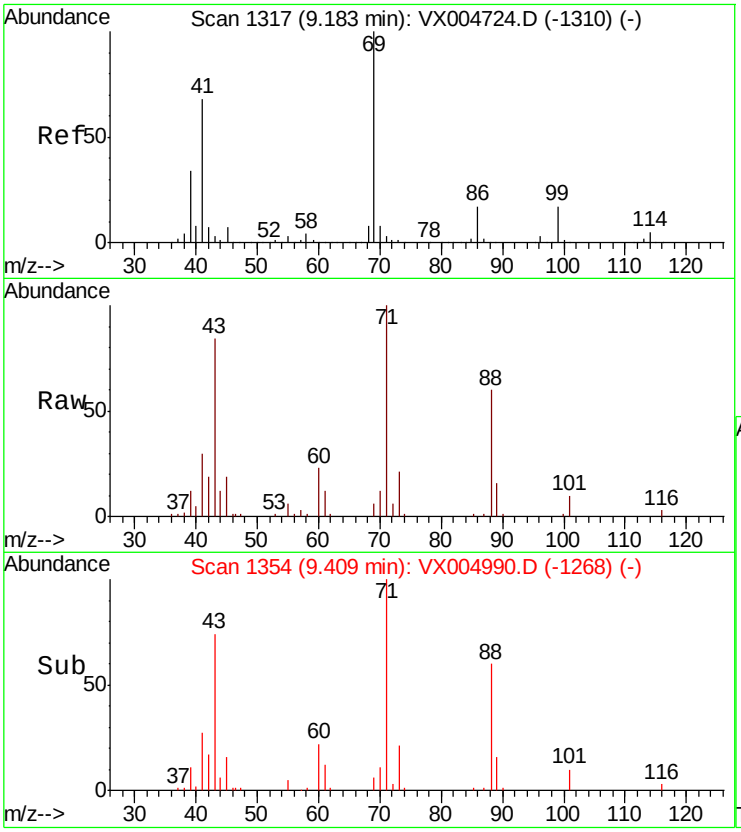




#54
cis-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 75 Resp: 1679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 7.6 | 25.7 | 38.5# |
| 39 | 18.6 | 38.3 | 57.5# |



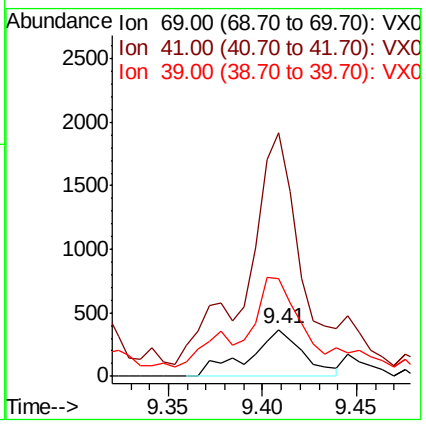


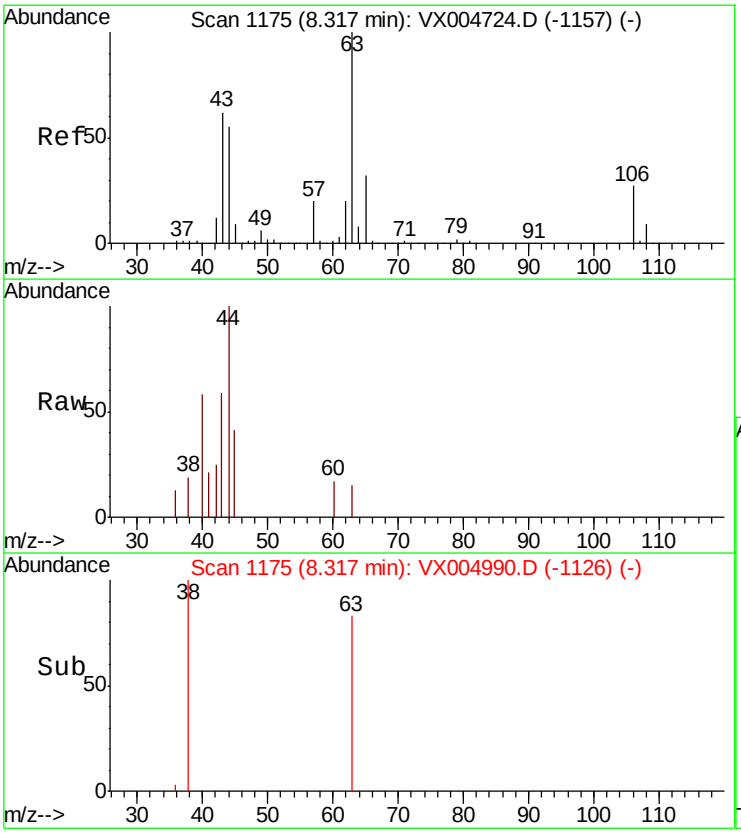

#56
Ethyl methacrylate
Concen: 2.972 ug/l
RT: 9.41 min Scan# 1354
Delta R.T. 0.23 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 69 Resp: 731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 511.1 | 56.9 | 85.3# |
| 39 | 138.6 | 28.4 | 42.6# |

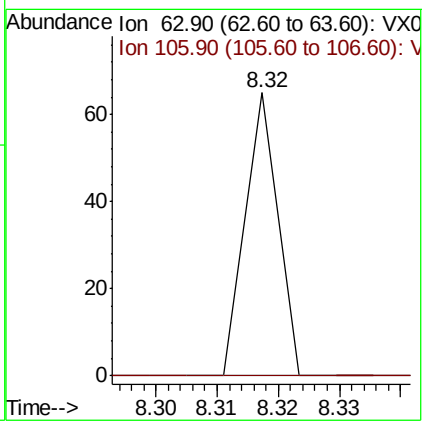


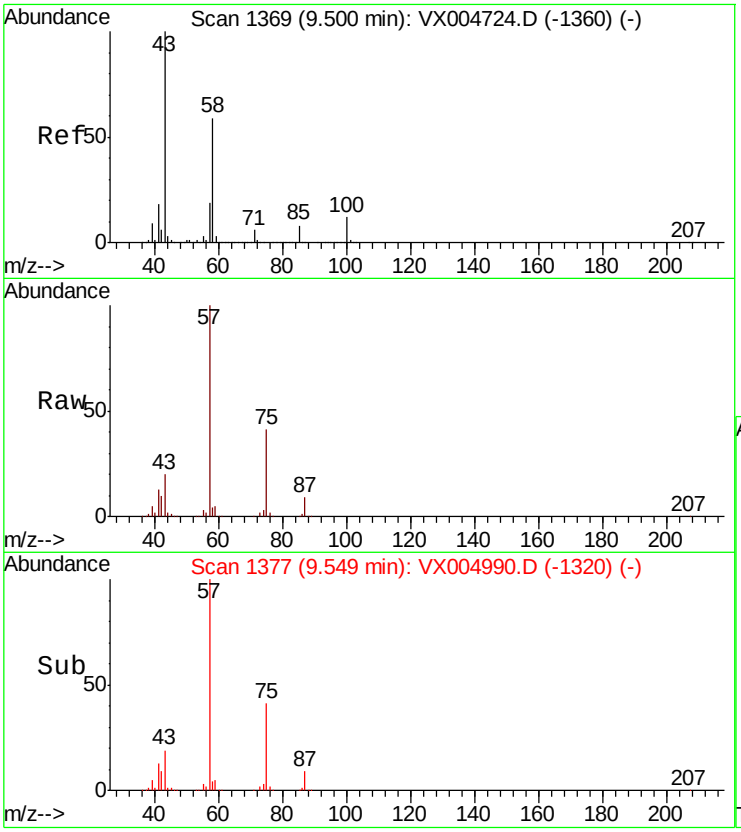




#58
2-Chloroethyl Vinyl ether
Concen: 14.249 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 63 Resp: 24

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



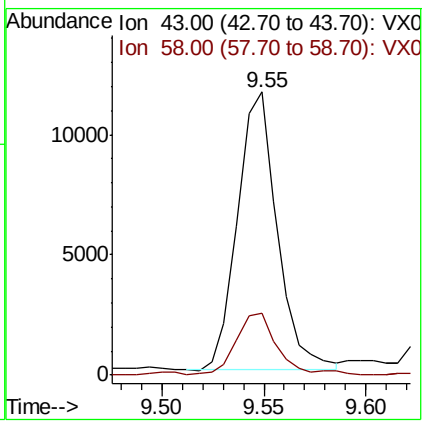


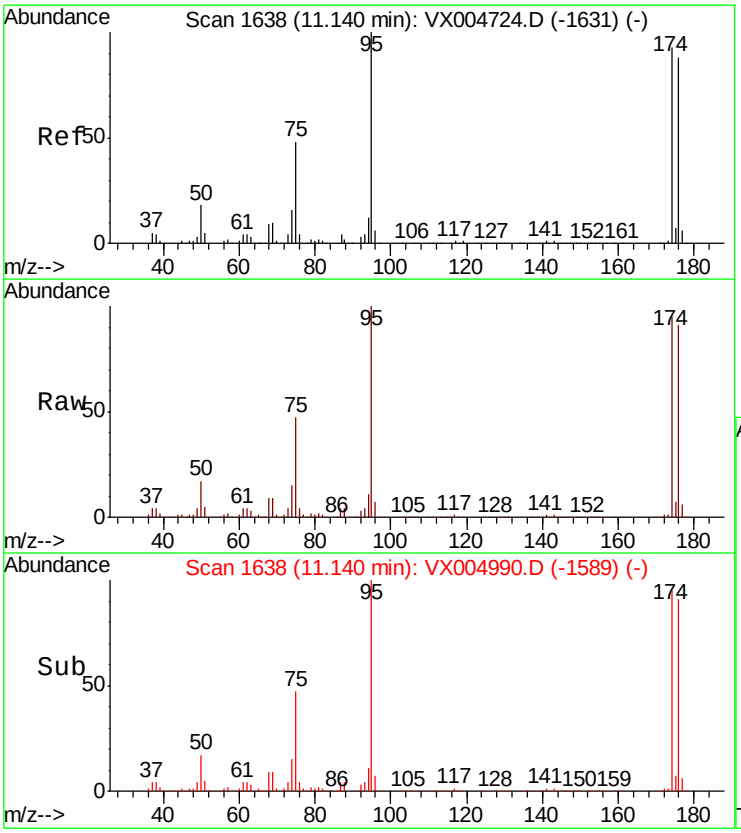

#59
2-Hexanone
Concen: 3.047 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion: 43 Resp: 15660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.3 | 28.4 | 85.3# |

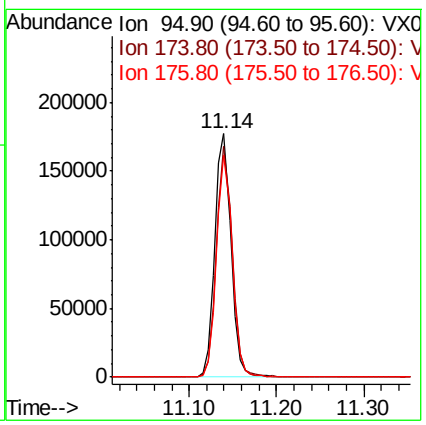


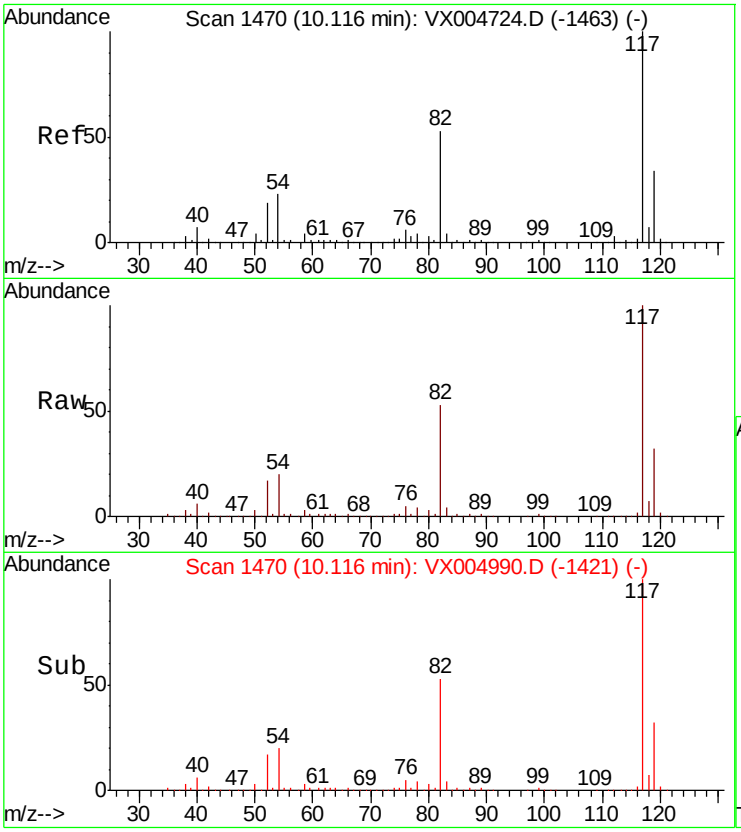




#62
4-Bromofluorobenzene
Concen: 50.117 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 95 Resp: 224889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.7 | 0.0 | 185.0 |
| 176 | 89.5 | 0.0 | 180.2 |



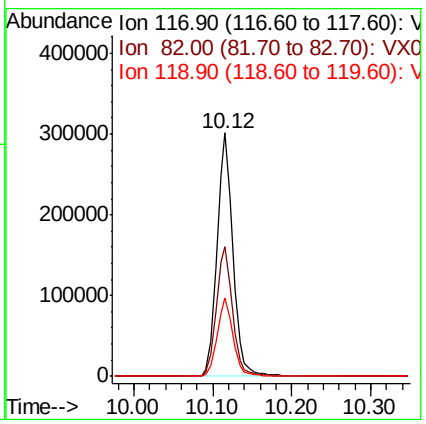


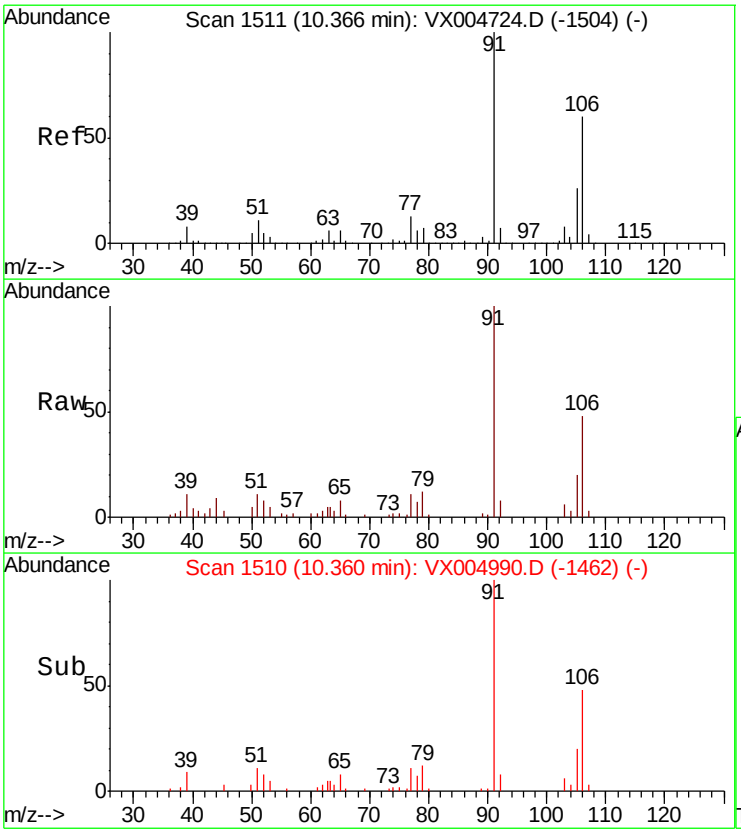

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion:117 Resp: 423877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.2 | 42.2 | 63.4 |
| 119 | 32.4 | 27.4 | 41.0 |

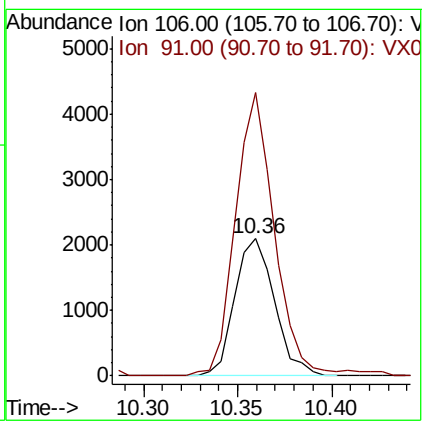


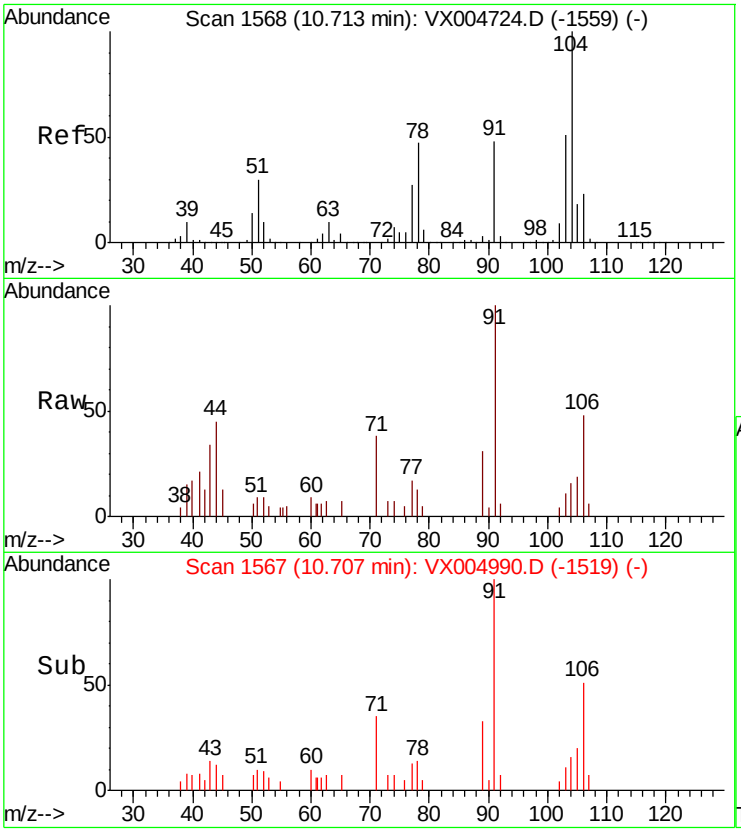




#68
m/p-Xylenes
Concen: 0.455 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion:106 Resp: 3067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.8 | 157.5 | 236.3 |



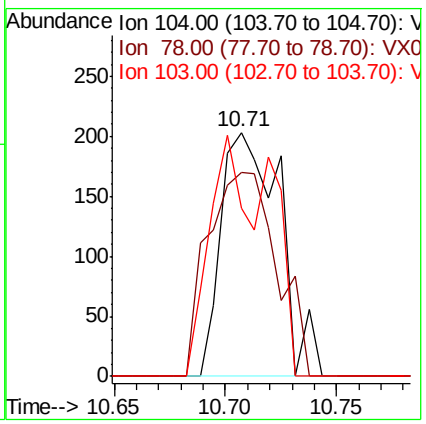


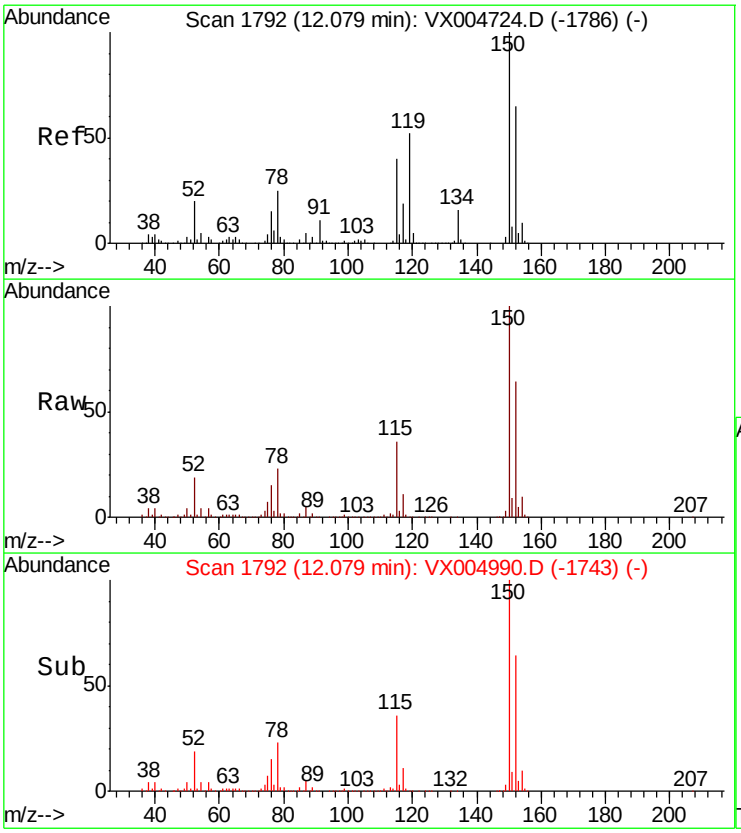

#70
Stvrene
Concen: 2.171 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion:104 Resp: 372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 98.4 | 40.0 | 60.0# |
| 103 | 100.0 | 44.3 | 66.5# |

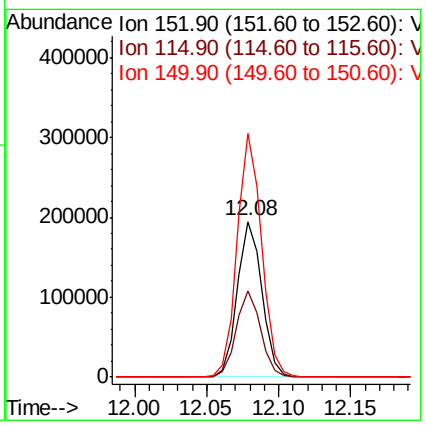


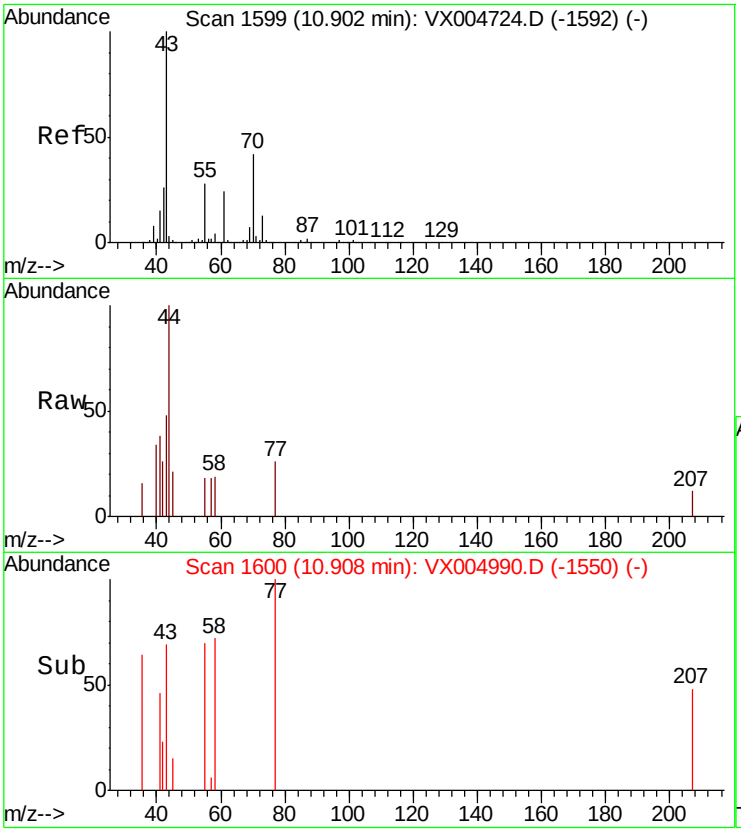




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion:152 Resp: 232364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.9 | 40.2 | 120.6 |
| 150 | 154.8 | 0.0 | 351.0 |



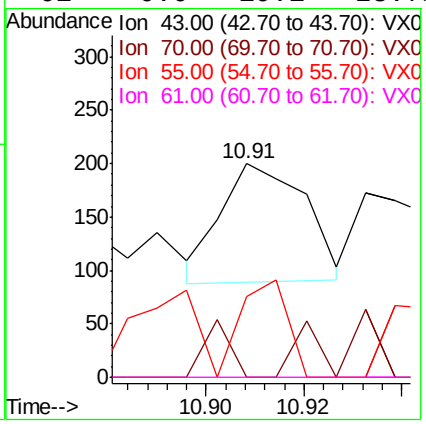


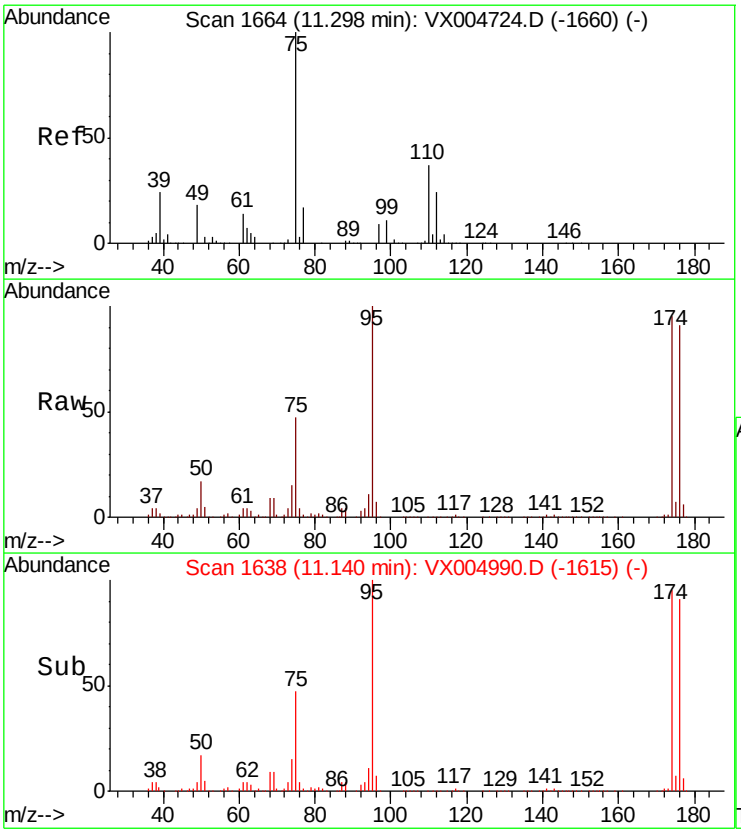

#74
N-amyl acetate
Concen: 1.764 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :** MSVOA_X
**ClientSampleId :** PB113446ZHE#16

Tgt Ion: 43 Resp: 133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.6 | 48.8# |
| 55 | 45.9 | 21.6 | 32.4# |
| 61 | 0.0 | 19.1 | 28.7# |

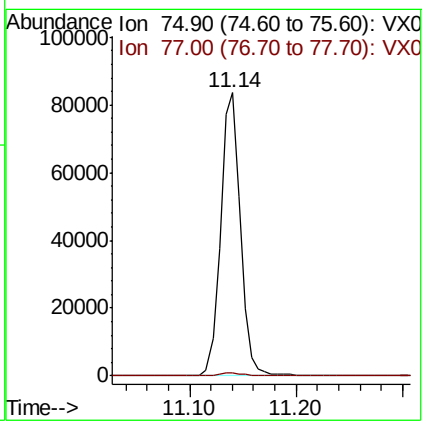


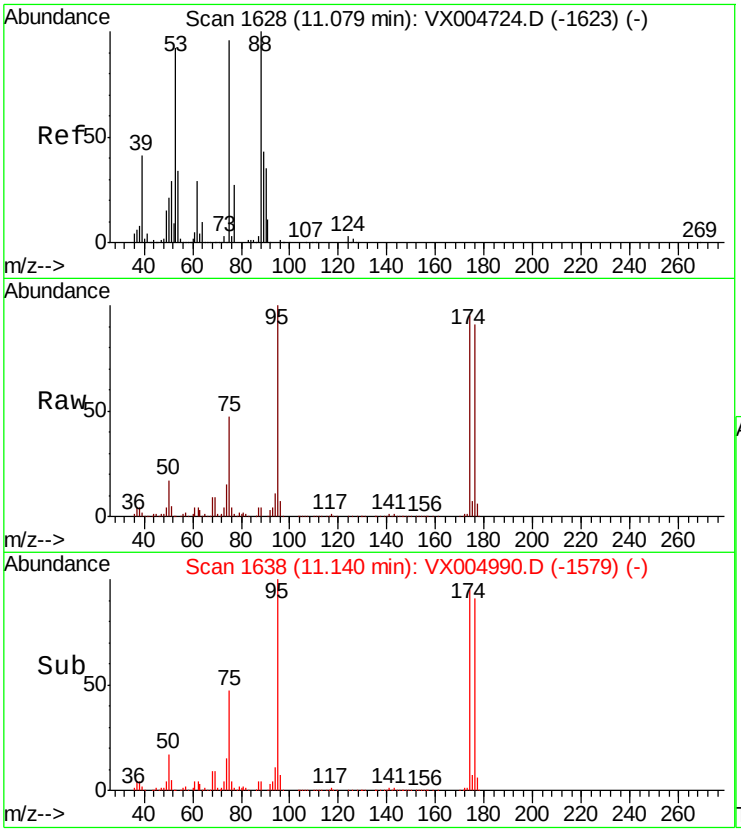




#76
1,2,3-Trichloropropane
Concen: 20.758 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion: 75 Resp: 108111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 21.4 | 64.3# |



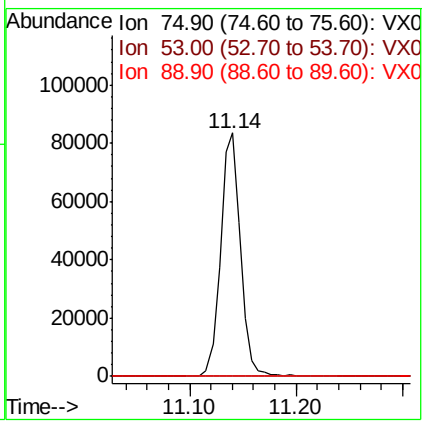


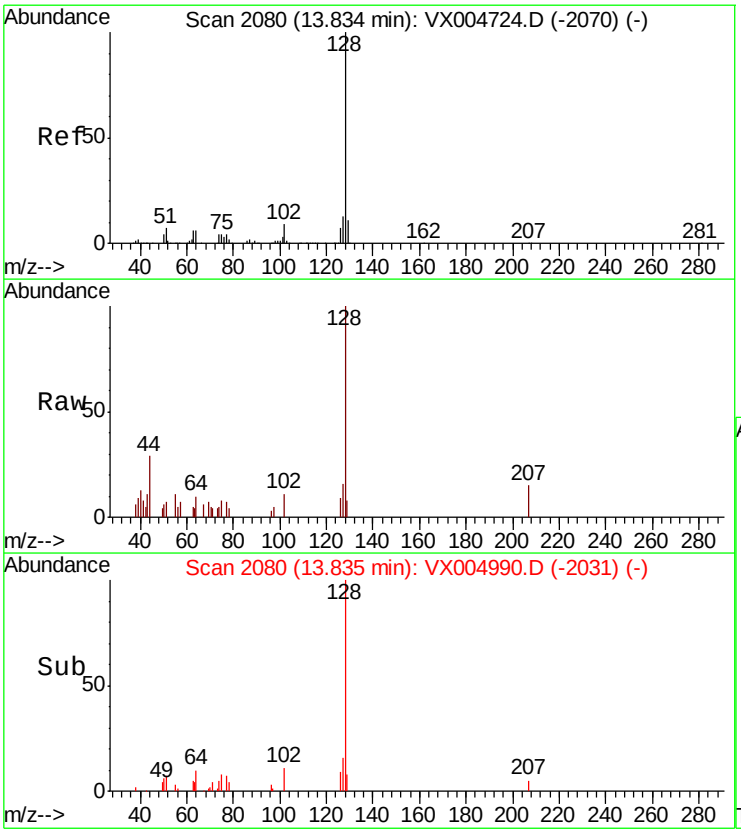

#81
trans-1,4-Dichloro-2-butene
Concen: 56.352 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB113446ZHE#16

Tgt Ion: 75 Resp: 108111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 80.2 | 120.4# |
| 89 | 0.0 | 37.1 | 55.7# |




#95
Naphthalene
Concen: 0.818 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004990.D
Acq: 04 Oct 2018 00:41

Tgt Ion:128 Resp: 1939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.4 | 10.4 | 15.6 |
| 129 | 7.0 | 8.7 | 13.1# |