Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

Quantitation Report (Not Reviewed)

Data File : VF060176.D
Acq On : 29 Aug 2018 5:32
Operator : VA/AP
Sample : VF0829SBSD01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Quant Time: Aug 29 07:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.03 | 168 | 71821 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 5.75 | 114 | 72258 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.91 | 117 | 59943 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 28150 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.99 | 65 | 20061 | 44.72 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 89.44% | | | | |
| 35) Dibromofluoromethane | 4.28 | 113 | 23565 | 50.69 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.38% | | | | |
| 50) Toluene-d8 | 7.71 | 98 | 86901 | 54.65 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.30% | | | | |
| 62) 4-Bromofluorobenzene | 11.50 | 95 | 29665 | 50.59 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.18% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.96 | 85 | 27150 | 18.367 | ug/l | | 89 |
| 3) Chloromethane | 1.07 | 50 | 10127 | 18.380 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.12 | 62 | 9876 | 17.889 | ug/l | | 96 |
| 5) Bromomethane | 1.32 | 94 | 5530 | 20.040 | ug/l | | 92 |
| 6) Chloroethane | 1.41 | 64 | 5794 | 17.553 | ug/l | | 95 |
| 7) Trichlorofluoromethane | 1.49 | 101 | 48072 | 19.026 | ug/l | | 96 |
| 8) Diethyl Ether | 1.69 | 74 | 1824 | 19.324 | ug/l | | 84 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.86 | 101 | 23095 | 20.778 | ug/l | | 96 |
| 10) Methyl Iodide | 1.93 | 142 | 8708 | 16.345 | ug/l | | 98 |
| 11) Tert butyl alcohol | 2.62 | 59 | 720 | 107.815 | ug/l | # | 64 |
| 12) 1,1-Dichloroethene | 1.82 | 96 | 12585 | 18.161 | ug/l | | 99 |
| 13) Acrolein | 2.08 | 56 | 1108 | 116.839 | ug/l | # | 58 |
| 14) Allyl chloride | 2.18 | 41 | 10818 | 18.796 | ug/l | | 89 |
| 15) Acrylonitrile | 3.05 | 53 | 2267 | 103.969 | ug/l | # | 84 |
| 16) Acetone | 2.32 | 43 | 5280 | 85.496 | ug/l | # | 91 |
| 17) Carbon Disulfide | 1.84 | 76 | 38294 | 18.813 | ug/l | # | 92 |
| 18) Methyl Acetate | 2.43 | 43 | 2823 | 31.366 | ug/l | # | 63 |
| 19) Methyl tert-butyl Ether | 2.50 | 73 | 9730 | 19.057 | ug/l | # | 88 |
| 20) Methylene Chloride | 2.27 | 84 | 6353 | 15.629 | ug/l | # | 78 |
| 21) trans-1,2-Dichloroethene | 2.40 | 96 | 10847 | 18.540 | ug/l | | 90 |
| 22) Diisopropyl ether | 2.90 | 45 | 17348 | 18.316 | ug/l | # | 92 |
| 23) Vinyl Acetate | 3.31 | 43 | 19608 | 88.885 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 2.99 | 63 | 17441 | 17.691 | ug/l | # | 98 |
| 25) 2-Butanone | 4.46 | 43 | 4098 | 77.556 | ug/l | # | 80 |
| 26) 2,2-Dichloropropane | 3.75 | 77 | 11949 | 17.905 | ug/l | | 95 |
| 27) cis-1,2-Dichloroethene | 3.61 | 96 | 8193 | 19.905 | ug/l | | 97 |
| 28) Bromochloromethane | 3.87 | 49 | 3978 | 18.740 | ug/l | # | 80 |
| 29) Tetrahydrofuran | 4.24 | 42 | 2019 | 83.750 | ug/l | # | 75 |
| 31) Cyclohexane | 3.85 | 56 | 19034 | 20.146 | ug/l | | 91 |
| 32) 1,1,1-Trichloroethane | 4.28 | 97 | 28150 | 17.810 | ug/l | | 93 |
| 36) 1,1-Dichloropropene | 4.45 | 75 | 19034 | 19.087 | ug/l | # | 79 |
| 37) Ethyl Acetate | 4.24 | 43 | 3255 | 26.478 | ug/l | # | 1 |
| 38) Carbon Tetrachloride | 4.16 | 117 | 26803 | 19.520 | ug/l | | 93 |
| 39) Methylcyclohexane | 5.63 | 83 | 22941 | 23.753 | ug/l | | 90 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

Quantitation Report (Not Reviewed)

Data File : VF060176.D
Acq On : 29 Aug 2018 5:32
Operator : VA/AP
Sample : VF0829SBSD01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Quant Time: Aug 29 07:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 40) Benzene | 4.81 | 78 | 27871 | 20.530 | ug/l | | 99 |
| 41) Methacrylonitrile | 4.90 | 41 | 1593 | 22.853 | ug/l | # | 81 |
| 42) 1,2-Dichloroethane | 5.09 | 62 | 9215 | 18.850 | ug/l | | 96 |
| 43) Isopropyl Acetate | 7.09 | 43 | 2450 | 15.816 | ug/l | # | 82 |
| 44) Trichloroethene | 5.66 | 130 | 12185 | 20.920 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 6.38 | 63 | 5955 | 20.727 | ug/l | | 90 |
| 46) Dibromomethane | 6.26 | 93 | 3152 | 20.302 | ug/l | # | 52 |
| 47) Bromodichloromethane | 6.53 | 83 | 10047 | 17.756 | ug/l | # | 93 |
| 48) Methyl methacrylate | 6.86 | 41 | 2248 | 18.635 | ug/l | | 91 |
| 49) 1,4-Dioxane | 6.85 | 88 | 368 | 500.025 | ug/l | # | 19 |
| 51) 4-Methyl-2-Pentanone | 8.40 | 43 | 13318 | 98.414 | ug/l | | 95 |
| 52) Toluene | 7.76 | 92 | 22401 | 21.357 | ug/l | | 88 |
| 53) t-1,3-Dichloropropene | 8.42 | 75 | 5505 | 17.473 | ug/l | | 90 |
| 54) cis-1,3-Dichloropropene | 7.45 | 75 | 7700 | 19.629 | ug/l | # | 87 |
| 55) 1,1,2-Trichloroethane | 8.62 | 97 | 3452 | 19.218 | ug/l | | 88 |
| 56) Ethyl methacrylate | 8.74 | 69 | 3061 | 20.401 | ug/l | # | 75 |
| 57) 1,3-Dichloropropane | 8.99 | 76 | 6196 | 19.911 | ug/l | # | 83 |
| 58) 2-Chloroethyl Vinyl ether | 7.77 | 63 | 4367 | 100.811 | ug/l | | 100 |
| 59) 2-Hexanone | 9.62 | 43 | 9587 | 100.928 | ug/l | | 99 |
| 60) Dibromochloromethane | 8.86 | 129 | 5277 | 17.722 | ug/l | | 73 |
| 61) 1,2-Dibromoethane | 9.13 | 107 | 3540 | 19.234 | ug/l | # | 64 |
| 64) Tetrachloroethene | 8.30 | 164 | 15901 | 21.549 | ug/l | | 87 |
| 65) Chlorobenzene | 9.93 | 112 | 24299 | 20.206 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.06 | 131 | 8482 | 21.007 | ug/l | | 92 |
| 67) Ethyl Benzene | 10.03 | 91 | 54063 | 19.746 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.27 | 106 | 38812 | 41.353 | ug/l | | 94 |
| 69) o-Xylene | 10.82 | 106 | 15855 | 19.748 | ug/l | | 89 |
| 70) Styrene | 10.90 | 104 | 19923 | 20.079 | ug/l | | 95 |
| 71) Bromoform | 10.89 | 173 | 2948 | 20.042 | ug/l | | 95 |
| 73) Isopropylbenzene | 11.22 | 105 | 69343 | 22.488 | ug/l | | 100 |
| 74) N-amyl acetate | 11.46 | 43 | 4620 | 20.016 | ug/l | # | 83 |
| 75) 1,1,2,2-Tetrachloroethane | 11.78 | 83 | 4427 | 21.410 | ug/l | | 77 |
| 76) 1,2,3-Trichloropropane | 11.88 | 75 | 3795 | 21.402 | ug/l | | 85 |
| 77) Bromobenzene | 11.59 | 156 | 8353 | 18.608 | ug/l | | 64 |
| 78) n-propylbenzene | 11.69 | 91 | 81853 | 22.062 | ug/l | | 95 |
| 79) 2-Chlorotoluene | 11.81 | 91 | 37441 | 21.713 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.90 | 105 | 48378 | 20.708 | ug/l | | 90 |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75 | 700 | 17.129 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.98 | 91 | 35397 | 20.924 | ug/l | | 97 |
| 83) tert-Butylbenzene | 12.21 | 119 | 56463 | 23.064 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 12.29 | 105 | 43381 | 21.819 | ug/l | | 95 |
| 85) sec-Butylbenzene | 12.39 | 105 | 86678 | 23.651 | ug/l | | 95 |
| 86) p-Isopropyltoluene | 12.54 | 119 | 59283 | 21.799 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 12.56 | 146 | 19740 | 20.569 | ug/l | | 94 |
| 88) 1,4-Dichlorobenzene | 12.64 | 146 | 17858 | 20.633 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.92 | 91 | 46642 | 20.013 | ug/l | | 89 |
| 90) Hexachloroethane | 12.99 | 117 | 12101 | 20.745 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 13.02 | 146 | 13899 | 18.736 | ug/l | | 92 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75 | 654 | 18.463 | ug/l | | 77 |
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180 | 6036 | 18.981 | ug/l | | 95 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

Quantitation Report (Not Reviewed)

Data File : VF060176.D
Acq On : 29 Aug 2018 5:32
Operator : VA/AP
Sample : VF0829SBSD01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Quant Time: Aug 29 07:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 14.25 | 225 | 14056 | 21.415 | ug/l | | 93 |
| 95) Naphthalene | 14.52 | 128 | 4572 | 20.188 | ug/l | # | 90 |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180 | 4368 | 17.935 | ug/l | | 91 |

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

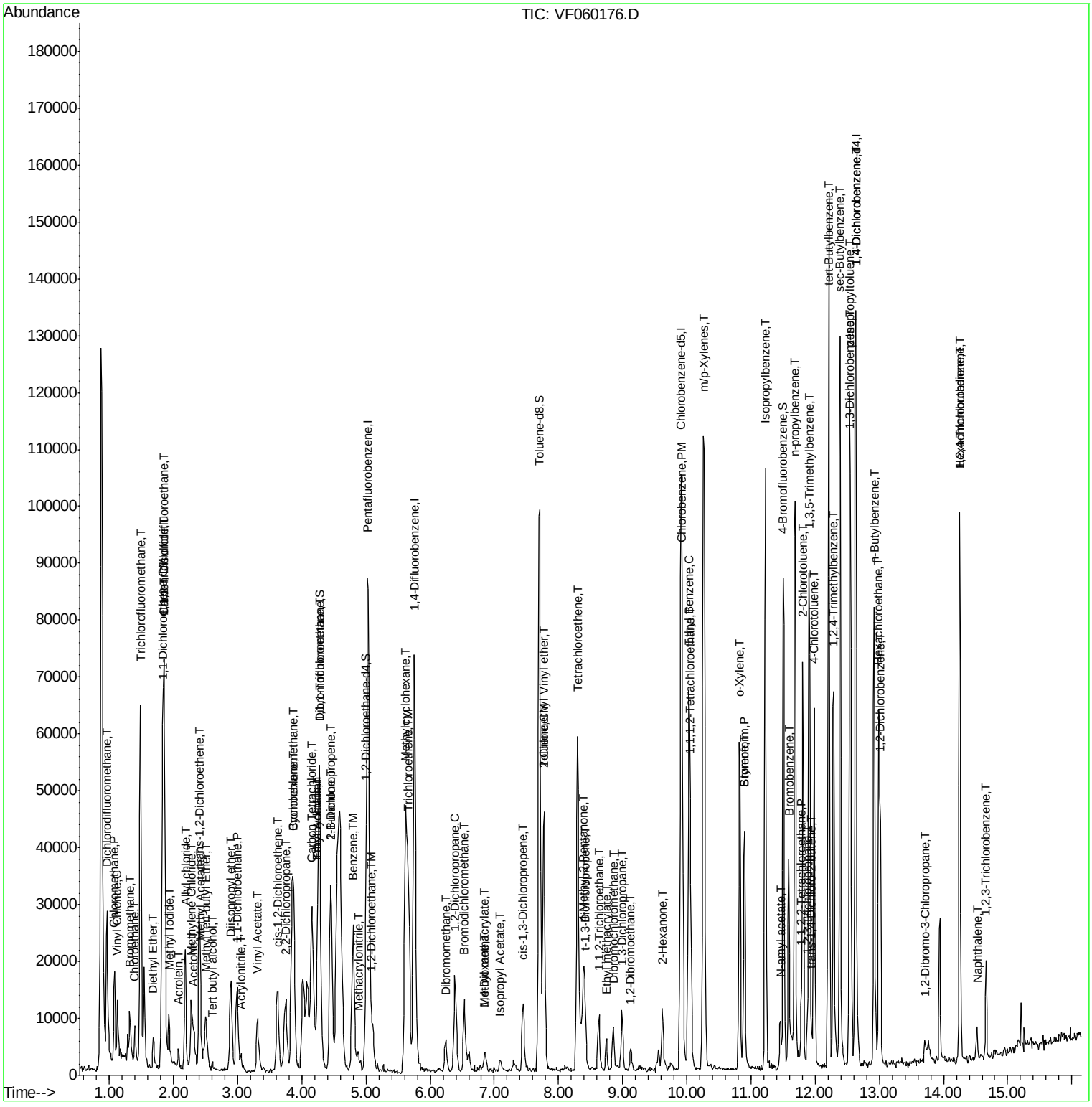
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\

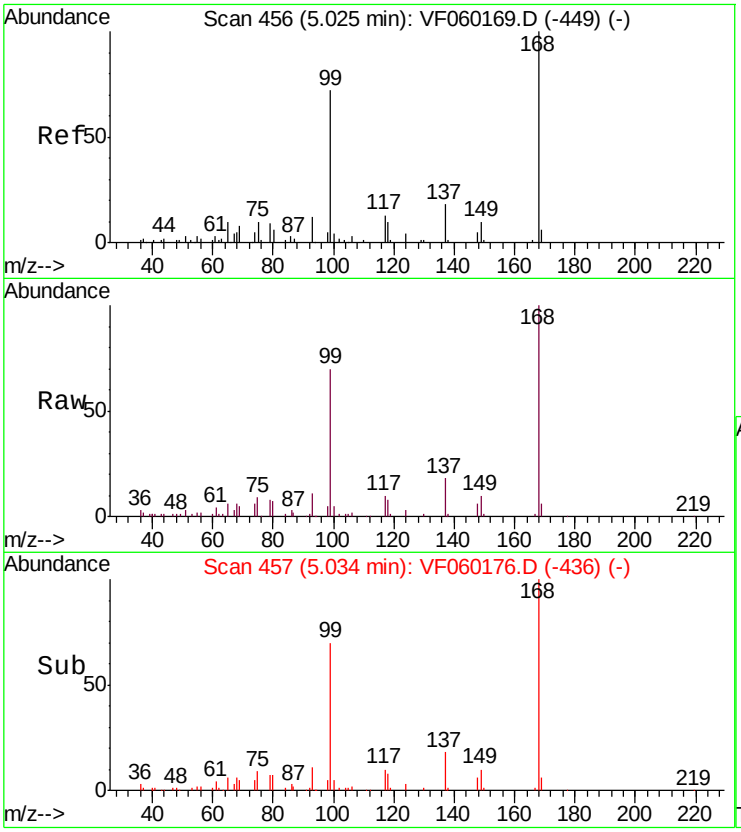
Quantitation Report (Not Reviewed)

Data File : VF060176.D
Acq On : 29 Aug 2018 5:32
Operator : VA/AP
Sample : VF0829SBSD01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Quant Time: Aug 29 06:10:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration



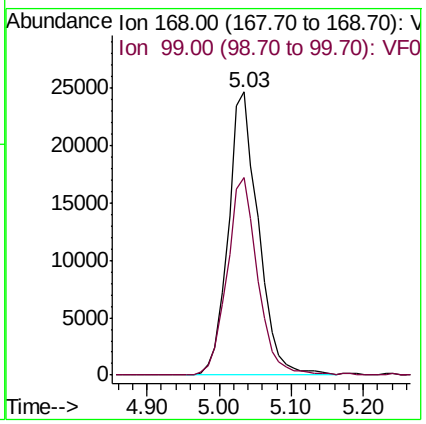


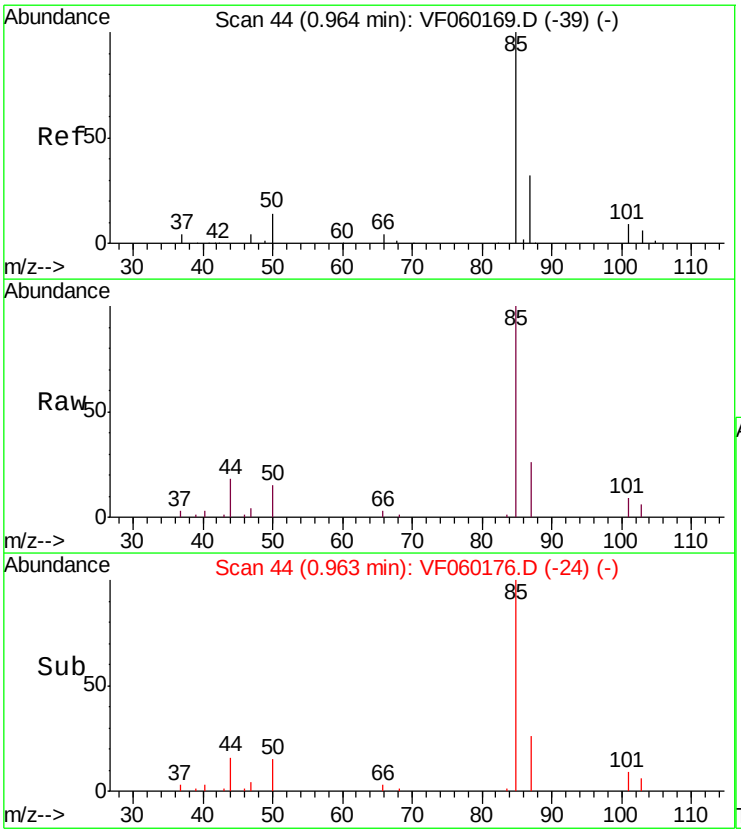

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:168 Resp: 71821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.7 | 57.9 | 86.9 |

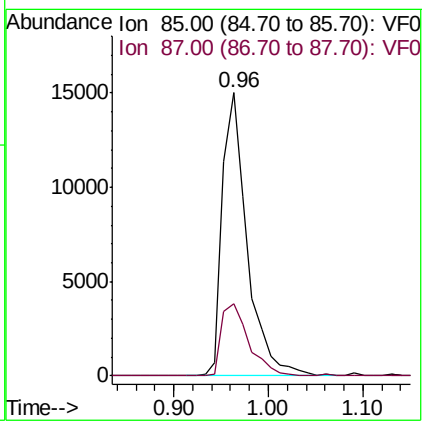


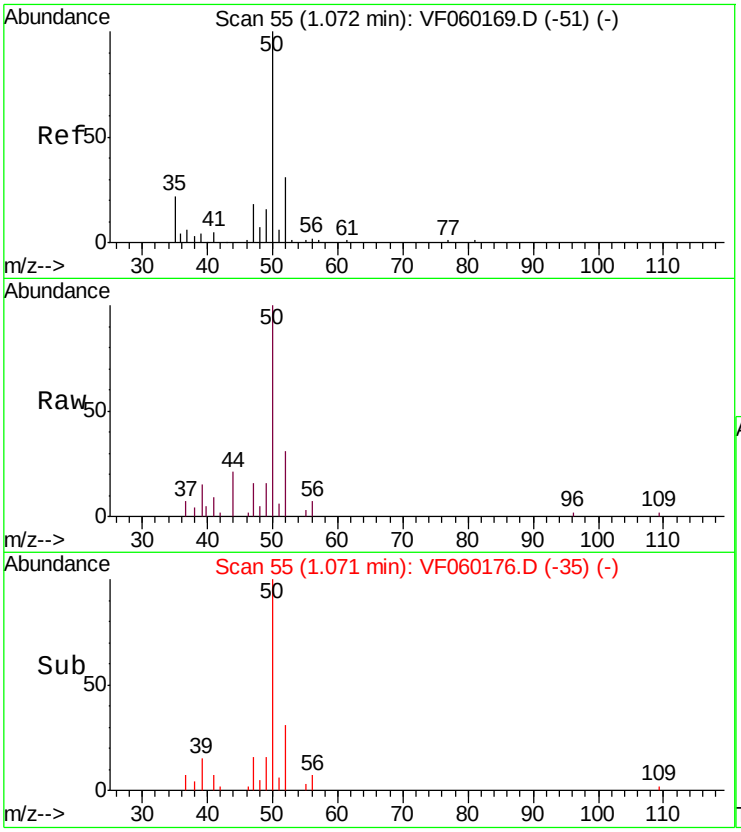




#2
Dichlorodifluoromethane
Concen: 18.367 ug/l
RT: 0.96 min Scan# 44
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 85 Resp: 27150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 25.6 | 15.9 | 47.7 |



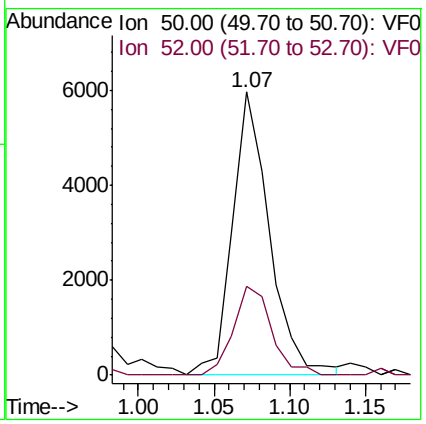


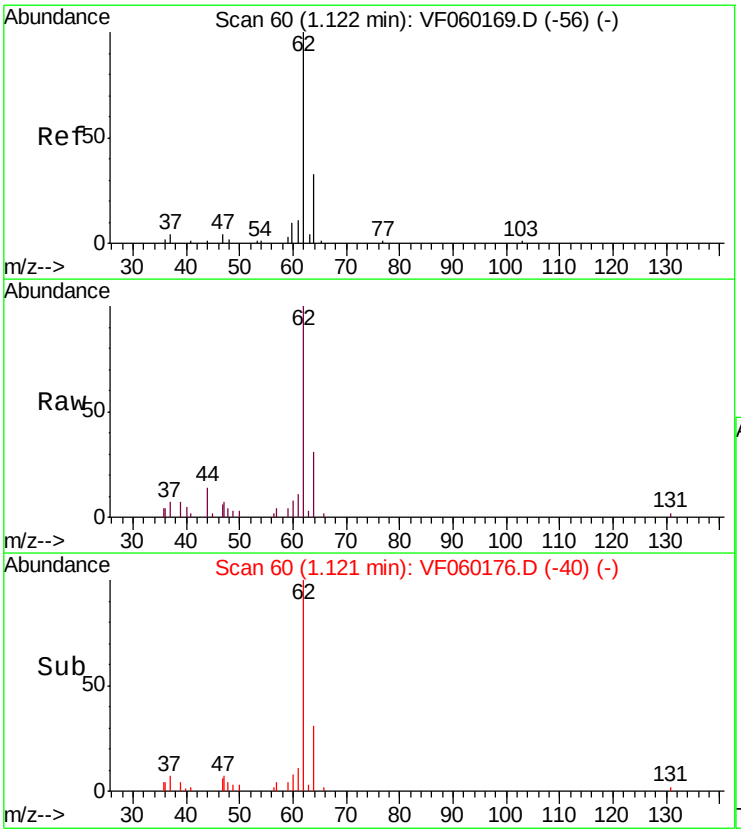

#3
Chloromethane
Concen: 18.380 ug/l
RT: 1.07 min Scan# 55
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 50 Resp: 10127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 24.4 | 36.6 |

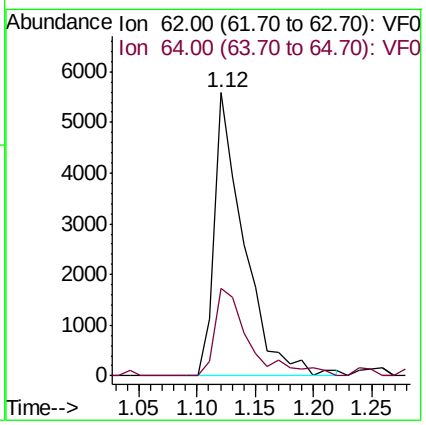


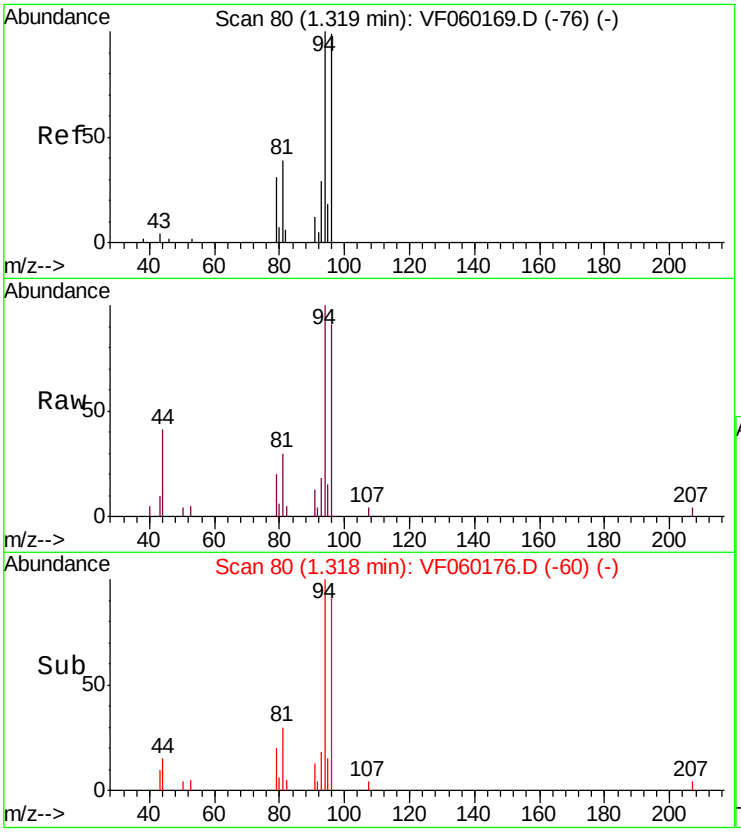




#4
Vinyl Chloride
Concen: 17.889 ug/l
RT: 1.12 min Scan# 60
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 62 Resp: 9876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.9 | 26.6 | 39.8 |



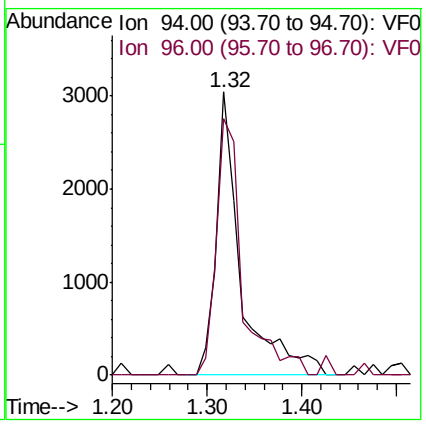


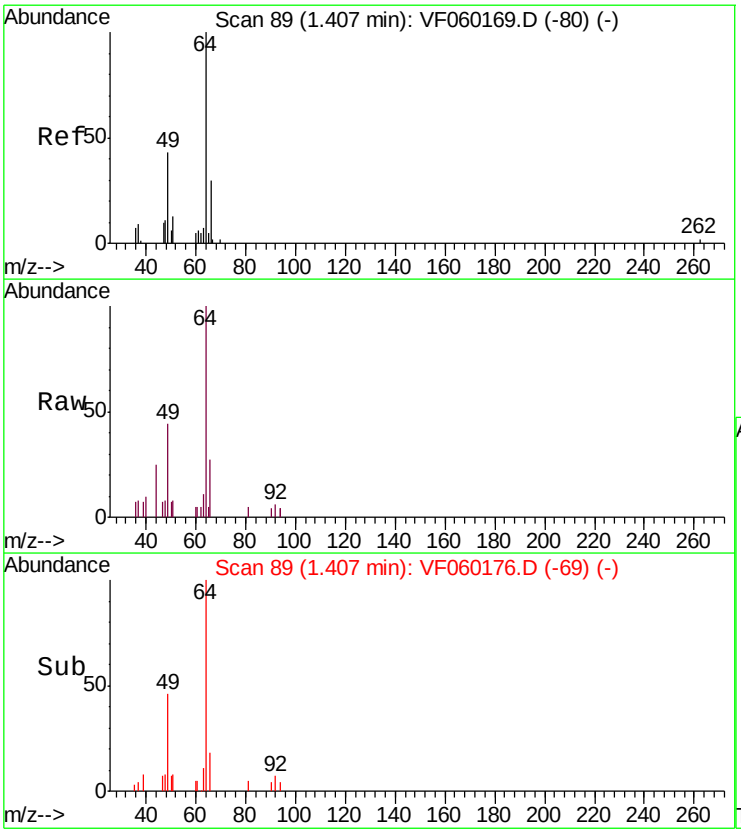

#5
Bromomethane
Concen: 20.040 ug/l
RT: 1.32 min Scan# 80
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 94 Resp: 5530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.8 | 79.0 | 118.4 |

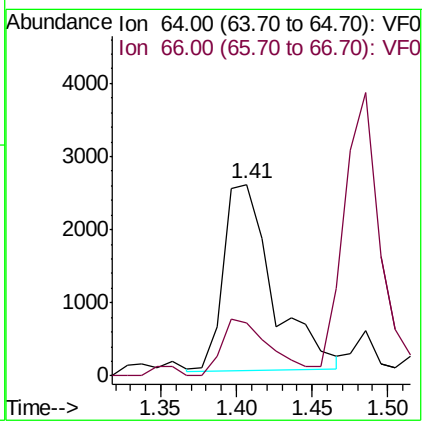


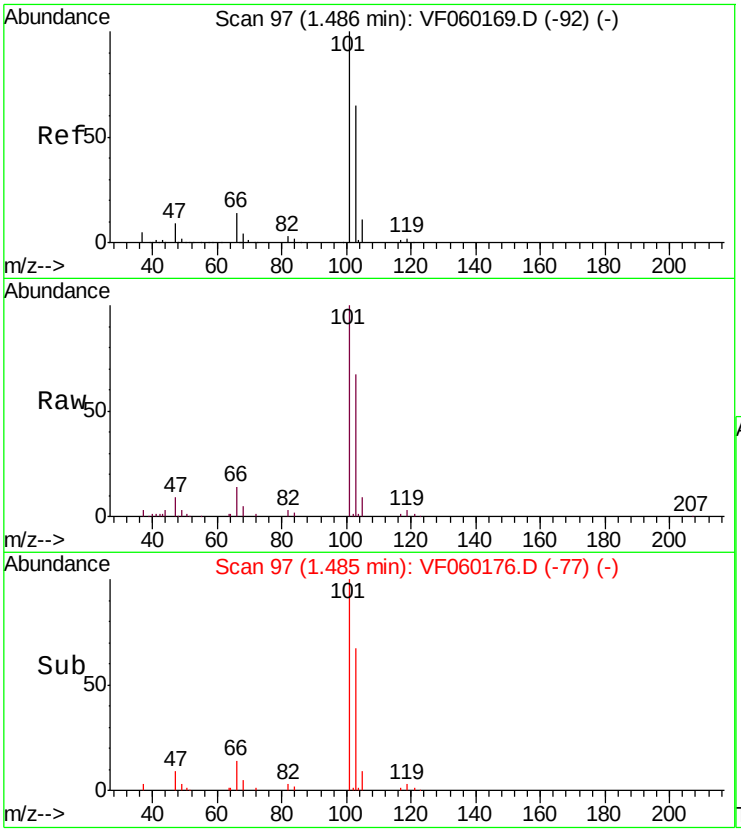




#6
Chloroethane
Concen: 17.553 ug/l
RT: 1.41 min Scan# 89
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 64 Resp: 5794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 27.3 | 24.2 | 36.4 |



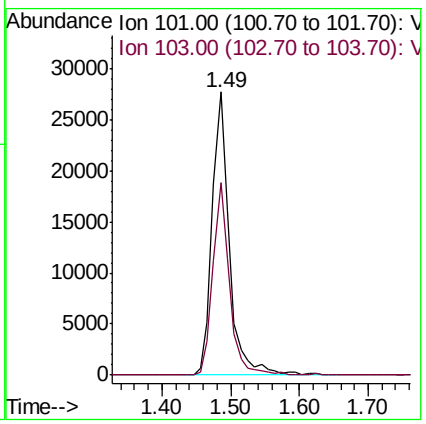


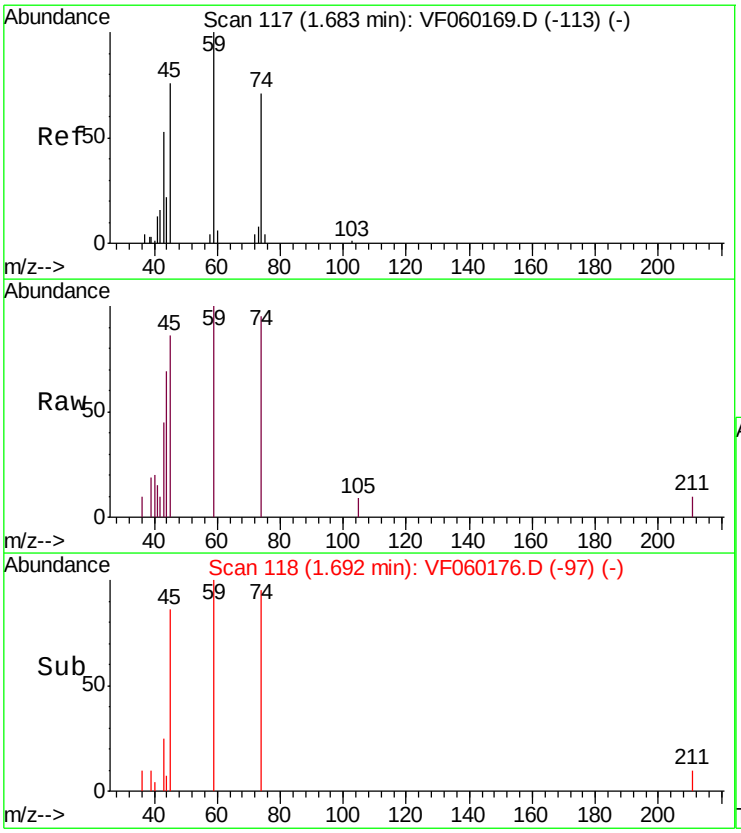

#7
Trichlorofluoromethane
Concen: 19.026 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:101 Resp: 48072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 68.1 | 51.8 | 77.6 |

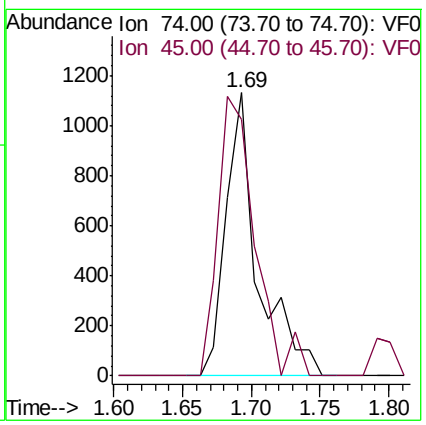


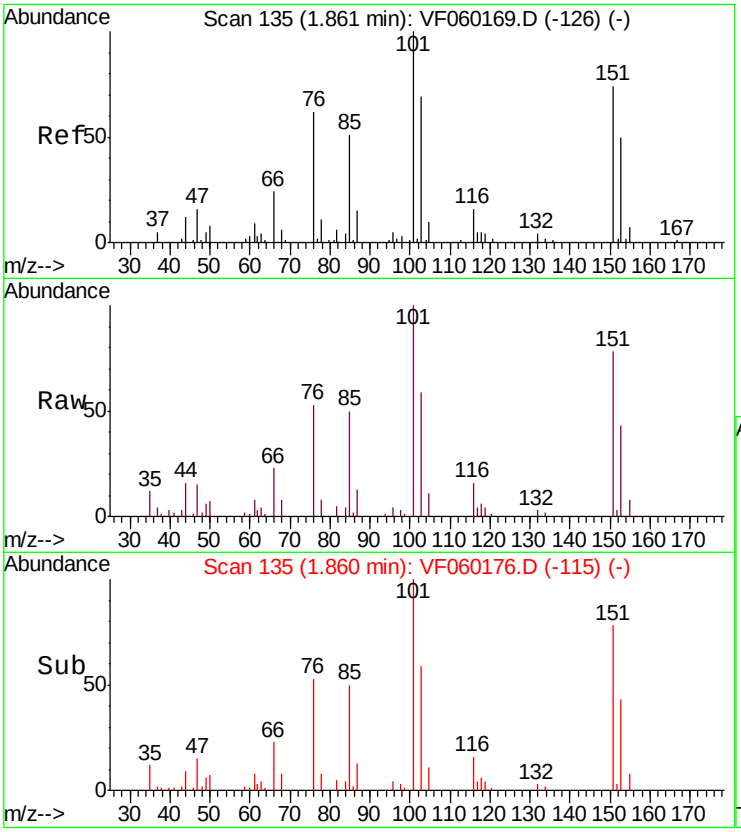




#8
Diethyl Ether
Concen: 19.324 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 74 Resp: 1824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 90.8 | 53.5 | 160.7 |



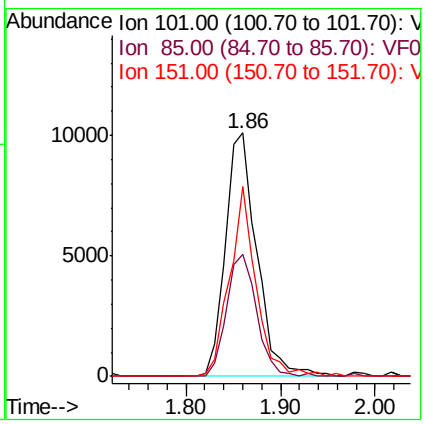


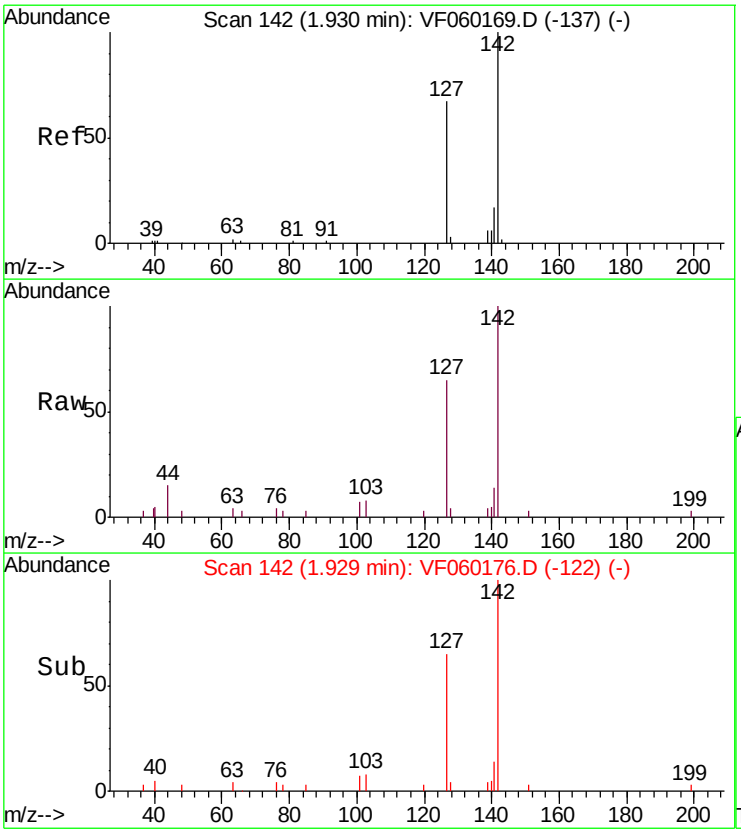

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.778 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:101 Resp: 23095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 50.3 | 42.2 | 63.2 |
| 151 | 77.7 | 59.2 | 88.8 |

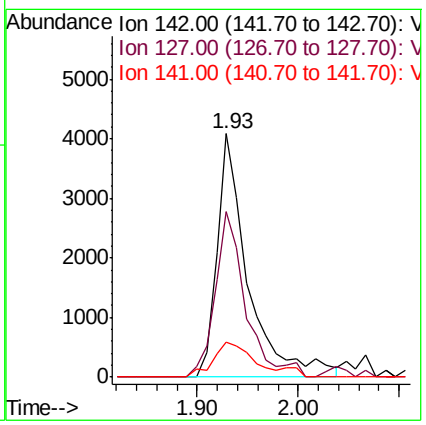


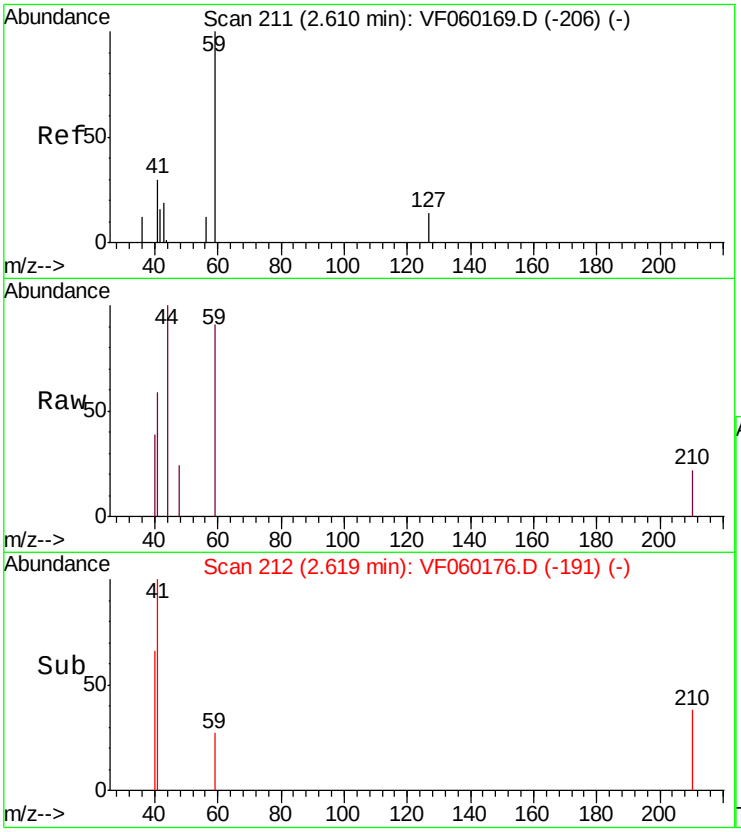




#10
Methyl Iodide
Concen: 16.345 ug/l
RT: 1.93 min Scan# 142
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:142 Resp: 8708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 68.1 | 53.9 | 80.9 |
| 141 | 14.1 | 13.4 | 20.2 |



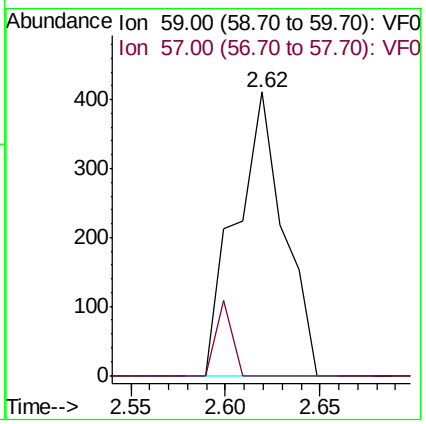


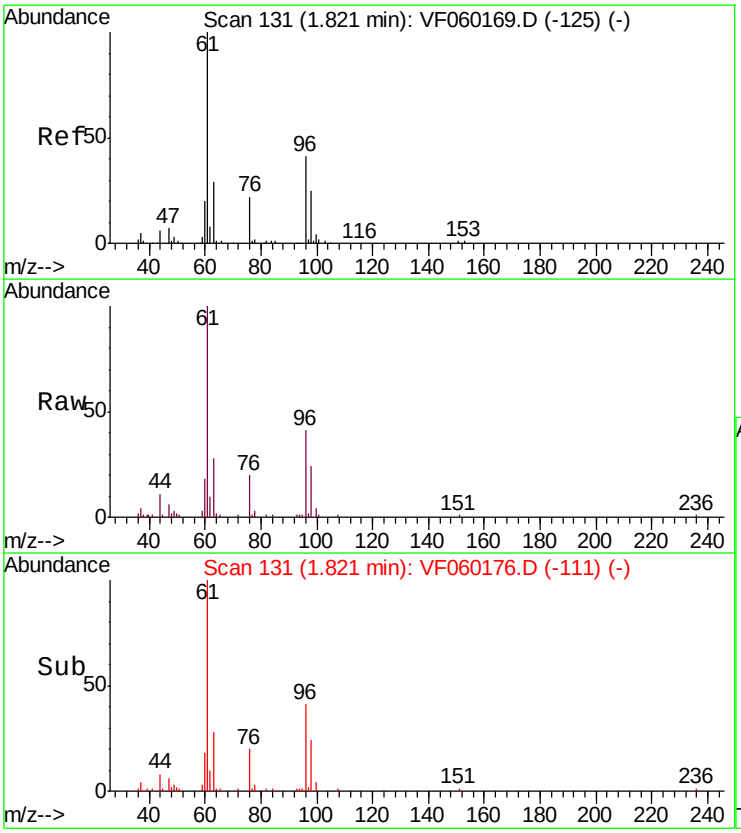

#11
Tert butyl alcohol
Concen: 107.815 ug/l
RT: 2.62 min Scan# 212
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 59 Resp: 720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 11.9 | 17.9# |

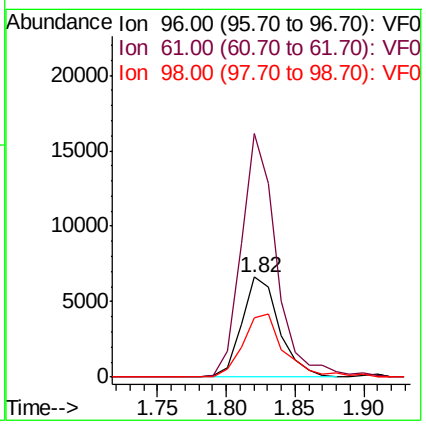


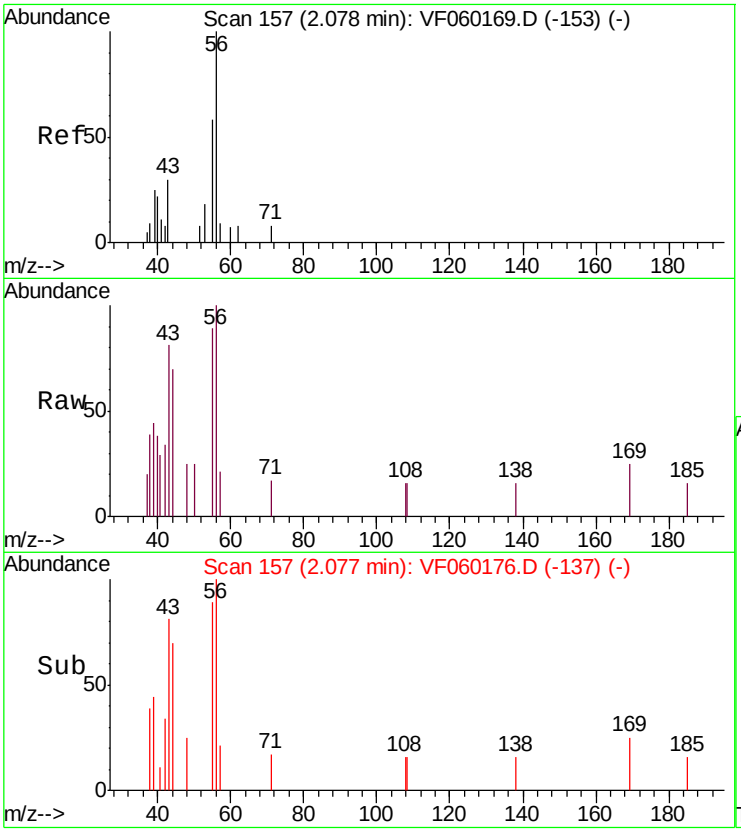




#12
1,1-Dichloroethene
Concen: 18.161 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 96 Resp: 12585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 243.0 | 195.2 | 292.8 |
| 98 | 58.7 | 49.0 | 73.6 |



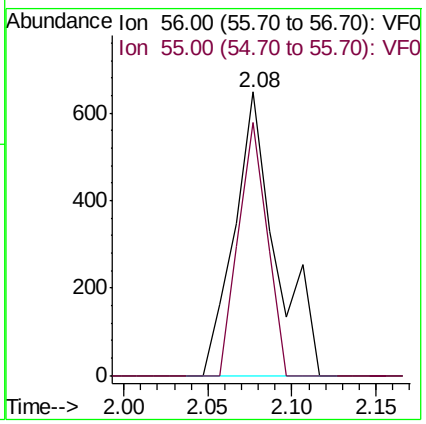


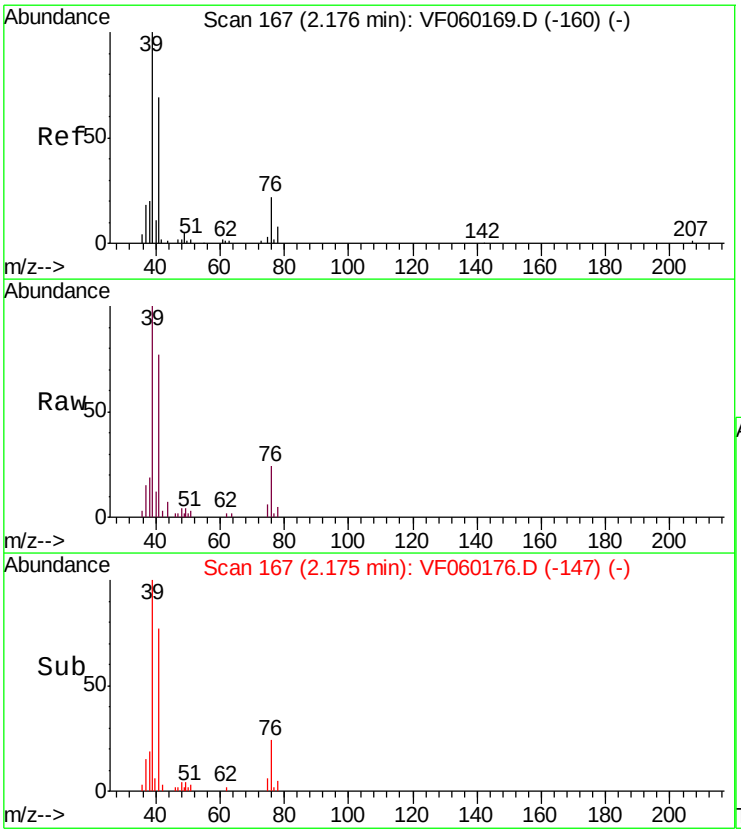

#13
Acrolein
Concen: 116.839 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 56 Resp: 1108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 89.2 | 46.4 | 69.6# |

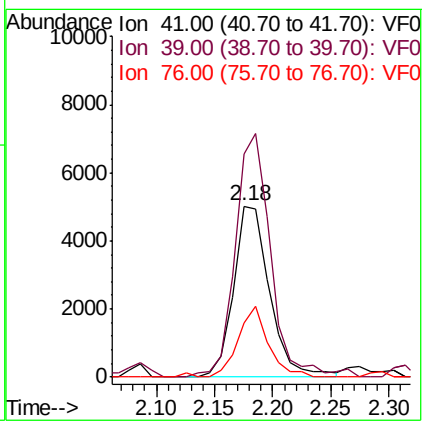


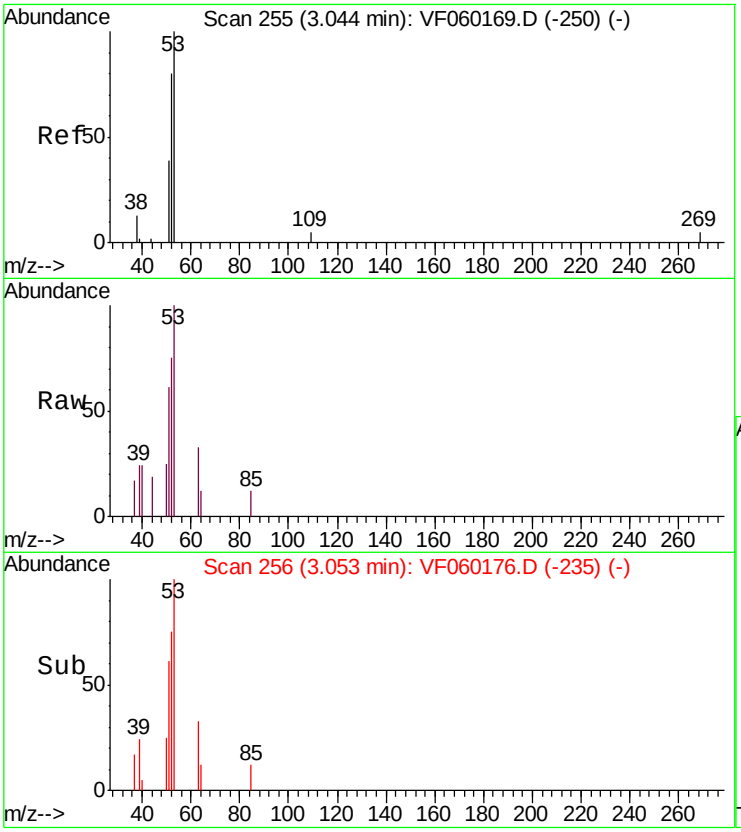




#14
Allyl chloride
Concen: 18.796 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 41 Resp: 10818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 130.6 | 117.8 | 176.6 |
| 76 | 31.9 | 25.9 | 38.9 |



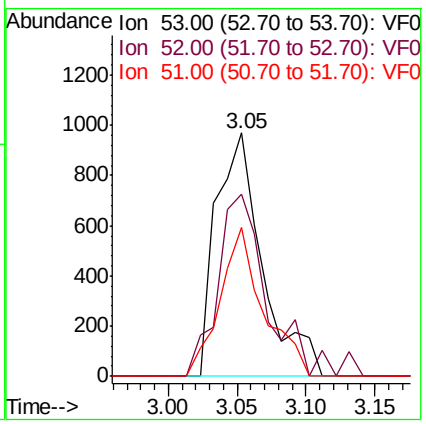


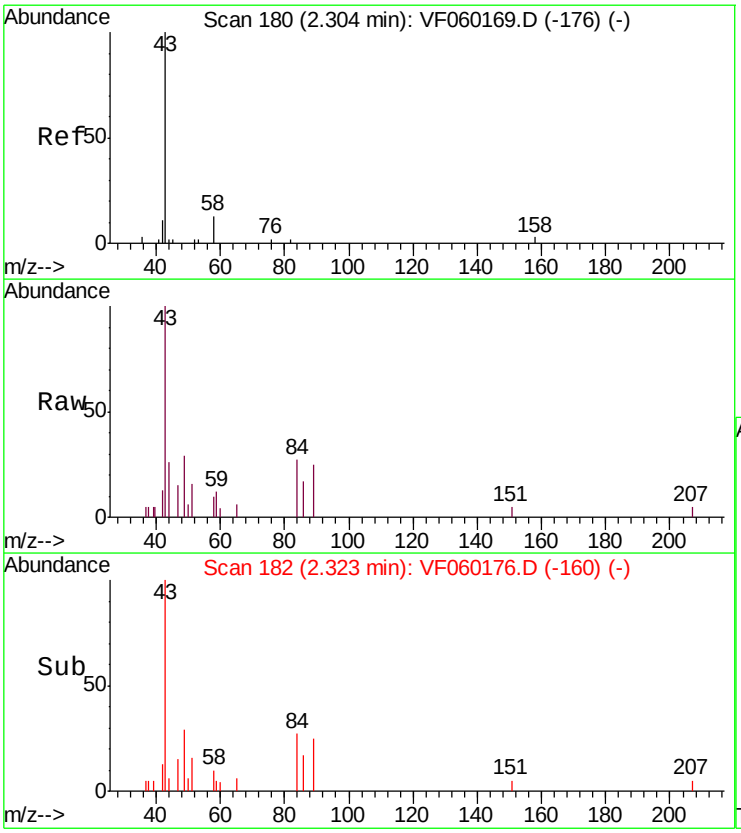

#15
Acrylonitrile
Concen: 103.969 ug/l
RT: 3.05 min Scan# 256
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 53 Resp: 2267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 74.7 | 64.4 | 96.6 |
| 51 | 61.0 | 31.0 | 46.4# |

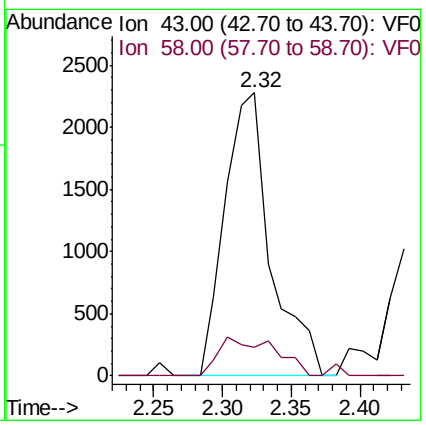


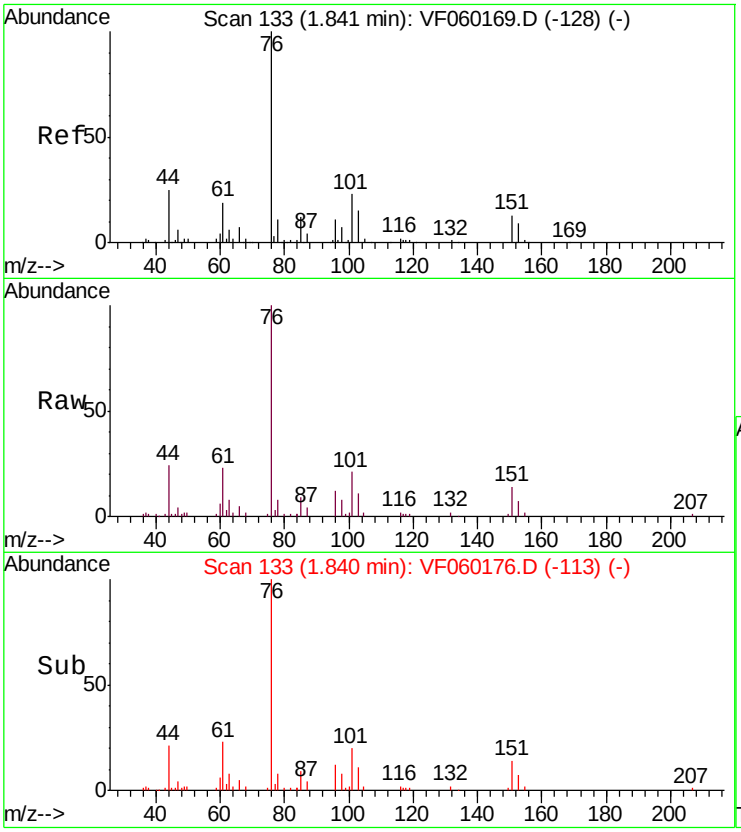




#16
Acetone
Concen: 85.496 ug/l
RT: 2.32 min Scan# 182
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 5280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.9 | 10.7 | 16.1# |



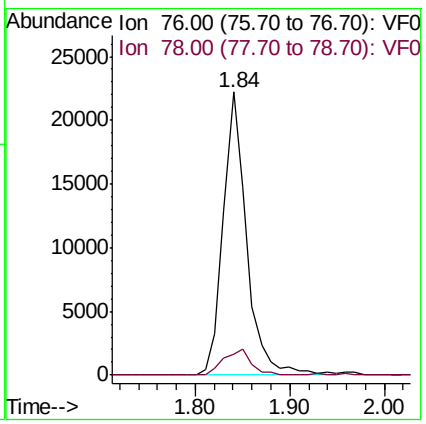


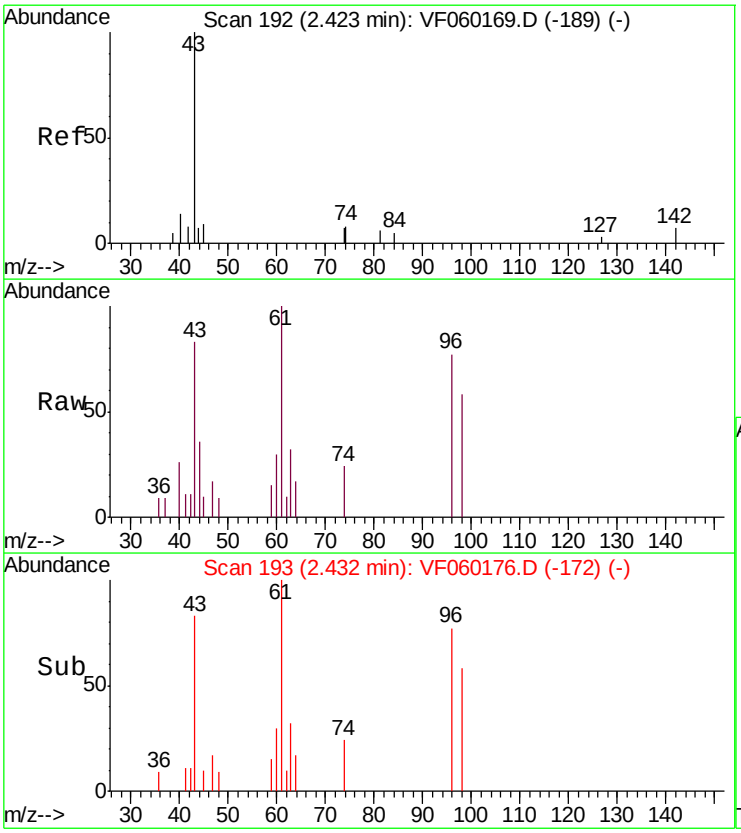

#17
Carbon Disulfide
Concen: 18.813 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 76 Resp: 38294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.6 | 8.6 | 12.8# |

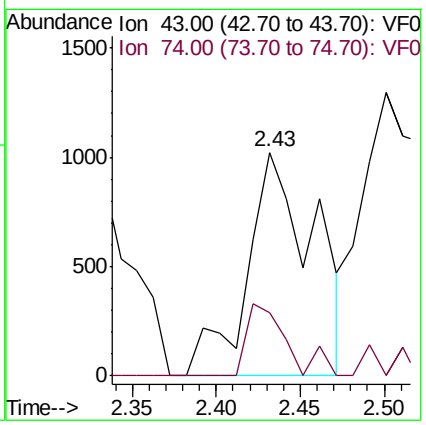


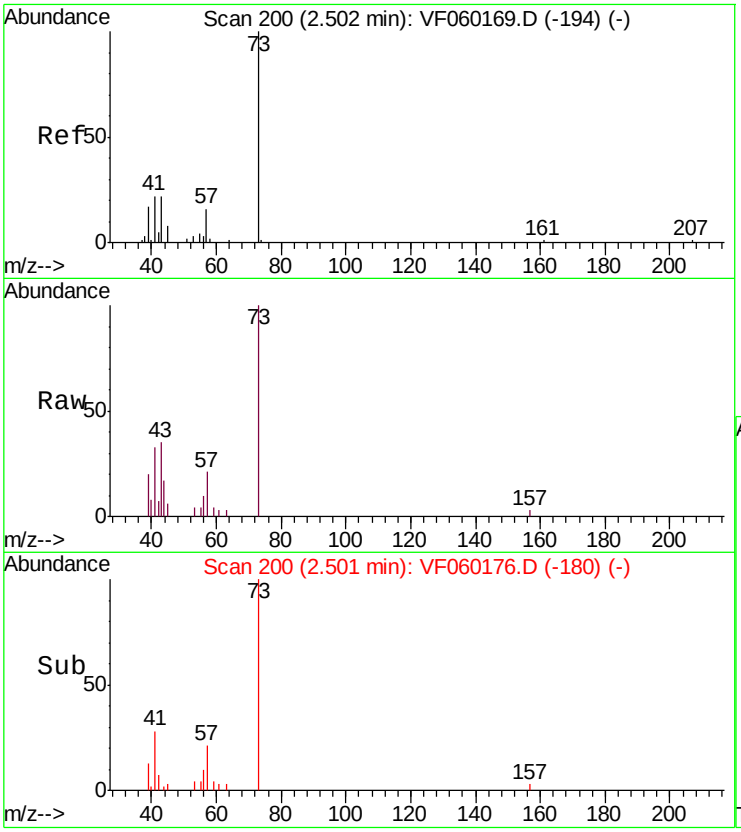




#18
Methyl Acetate
Concen: 31.366 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 2823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 28.3 | 10.6 | 16.0# |



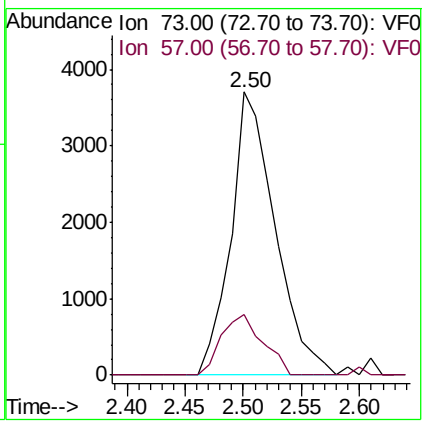


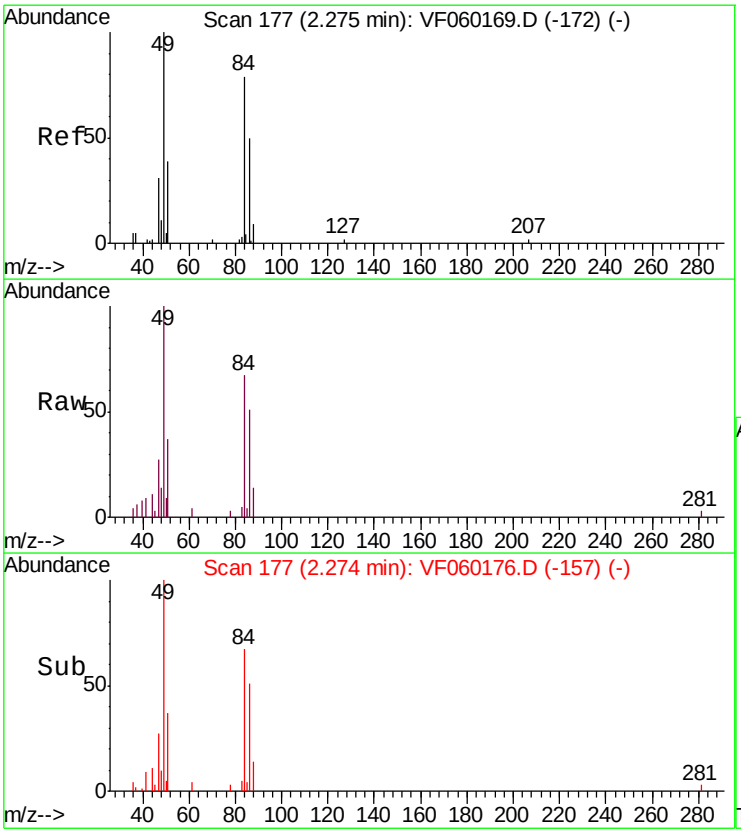

#19
Methyl tert-butyl Ether
Concen: 19.057 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 73 Resp: 9730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 13.0 | 19.4# |

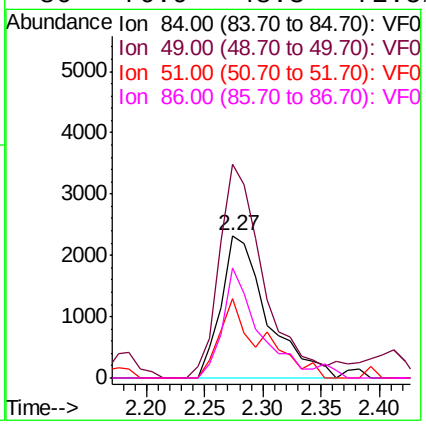


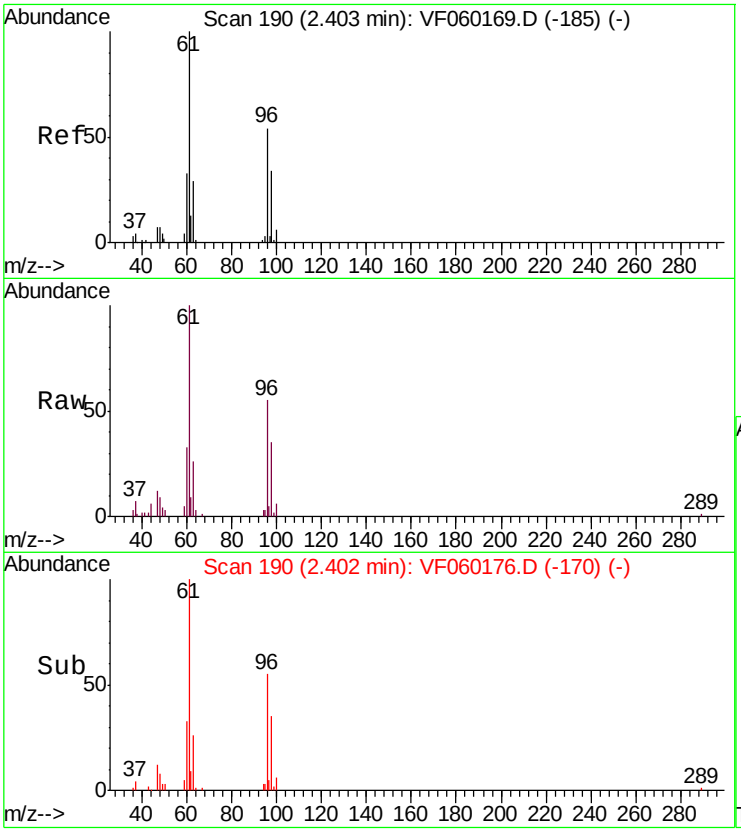




#20
Methylene Chloride
Concen: 15.629 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 84 Resp: 6353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 149.8 | 97.0 | 145.4# |
| 51 | 55.5 | 38.2 | 57.2 |
| 86 | 76.9 | 48.3 | 72.5# |



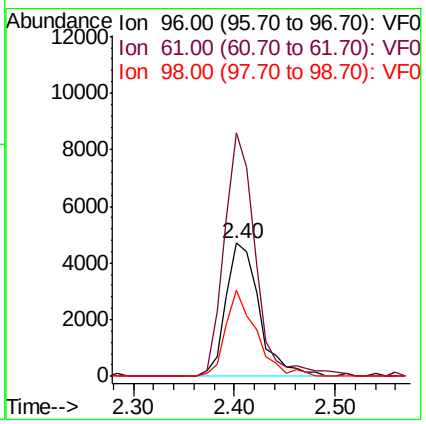


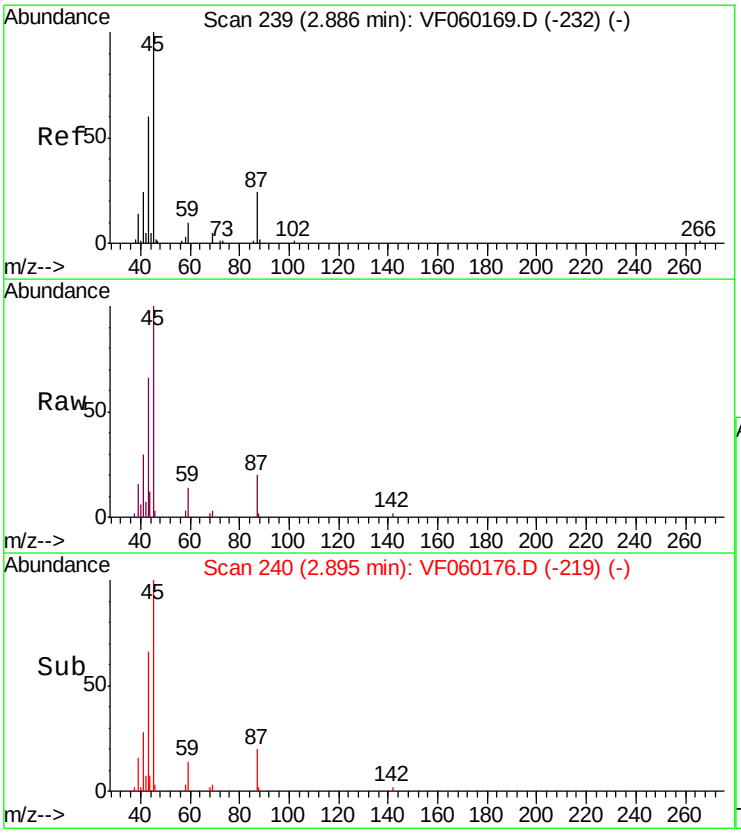

#21
trans-1,2-Dichloroethene
Concen: 18.540 ug/l
RT: 2.40 min Scan# 190
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 96 Resp: 10847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.9 | 148.6 | 222.8 |
| 98 | 59.2 | 50.4 | 75.6 |

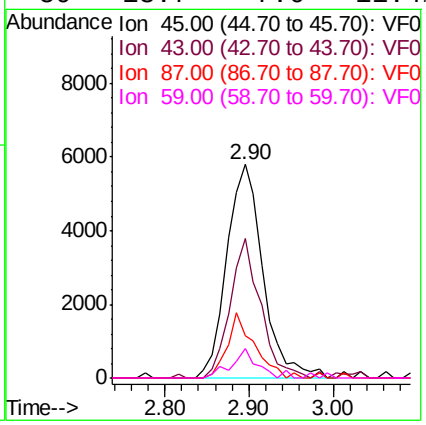


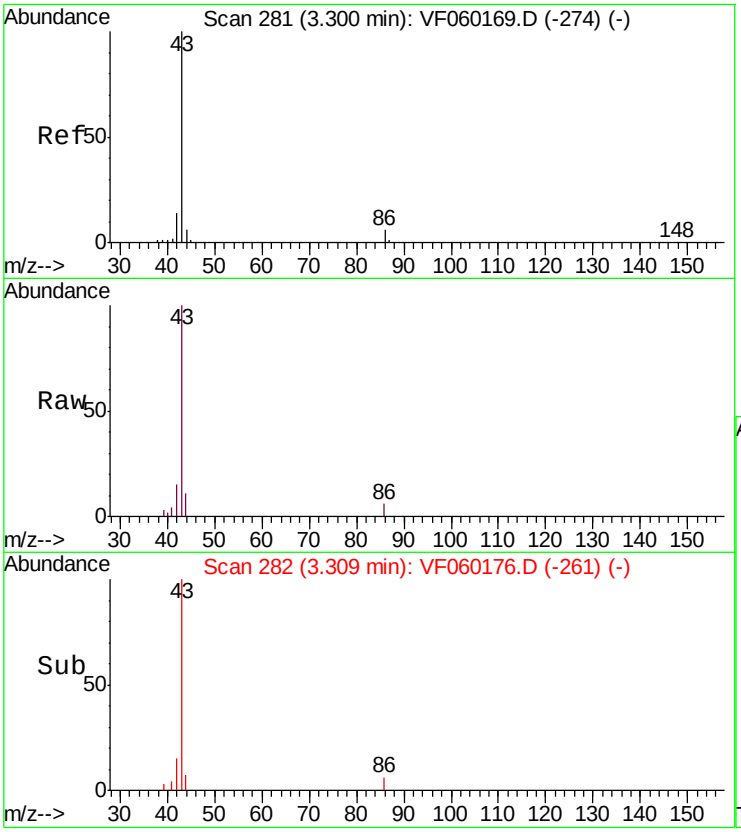




#22
Diisopropyl ether
Concen: 18.316 ug/l
RT: 2.90 min Scan# 240
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 45 Resp: 17348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 65.6 | 48.0 | 72.0 |
| 87 | 19.7 | 18.9 | 28.3 |
| 59 | 13.7 | 7.6 | 11.4# |



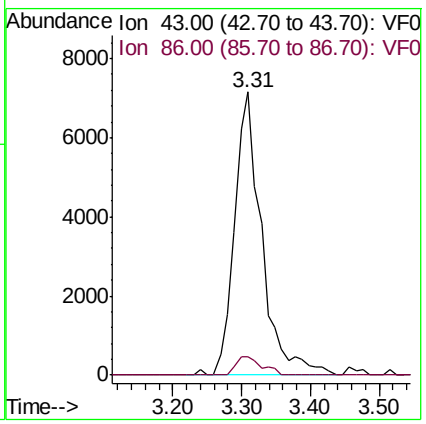


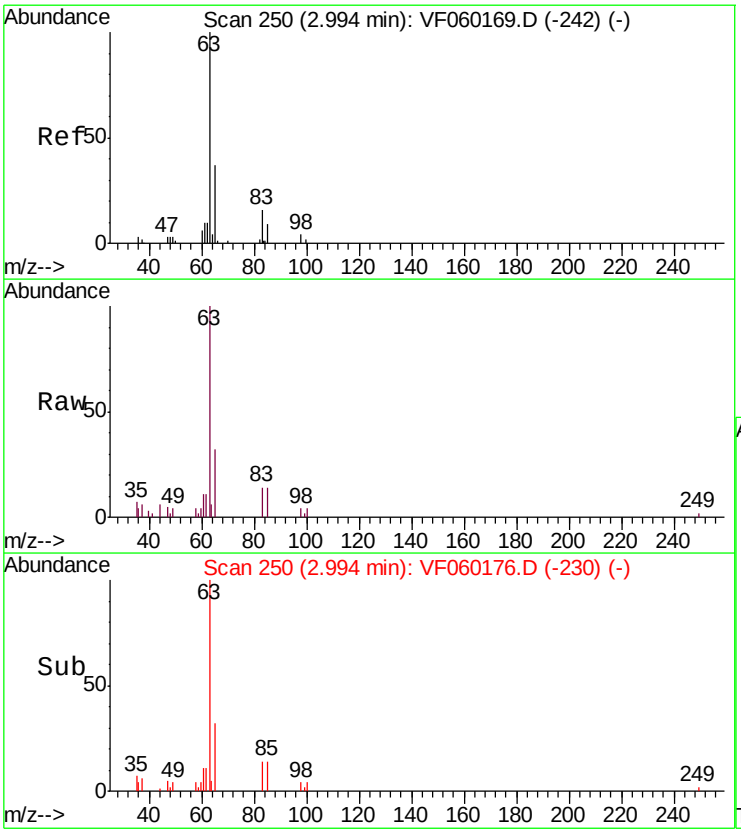

#23
Vinyl Acetate
Concen: 88.885 ug/l
RT: 3.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 43 Resp: 19608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 6.4 | 4.9 | 7.3 |

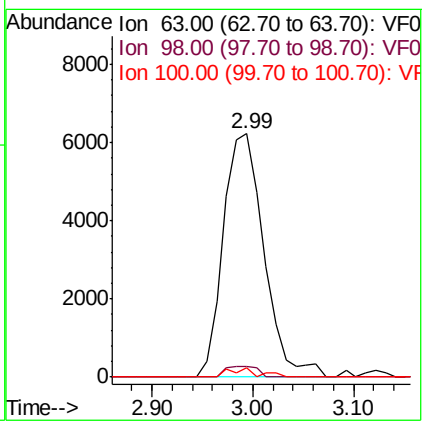


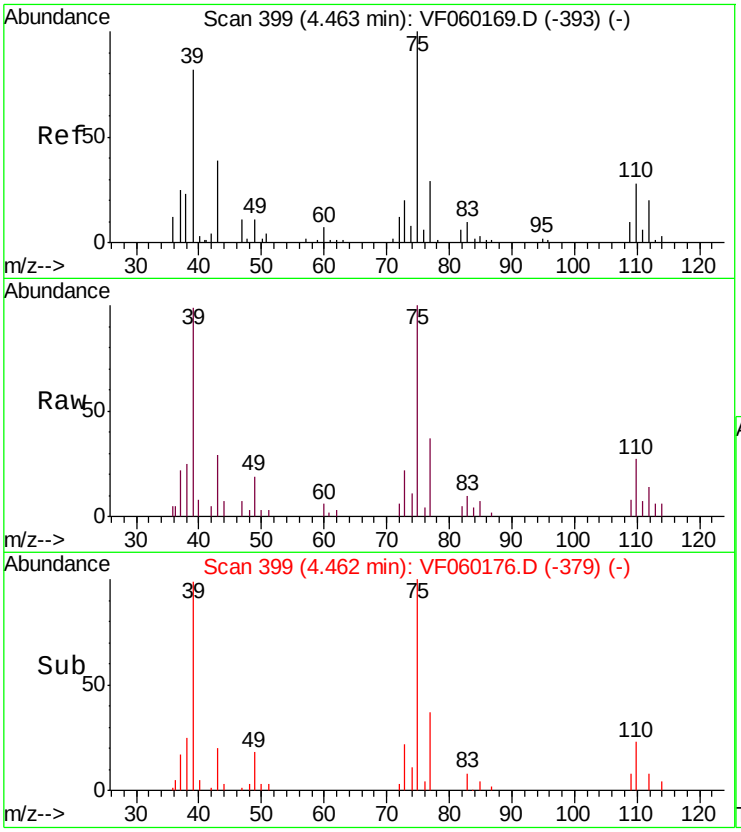




#24
1,1-Dichloroethane
Concen: 17.691 ug/l
RT: 2.99 min Scan# 250
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 63 Resp: 17441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.5 | 2.1 | 6.3 |
| 100 | 3.7 | 0.9 | 2.7# |



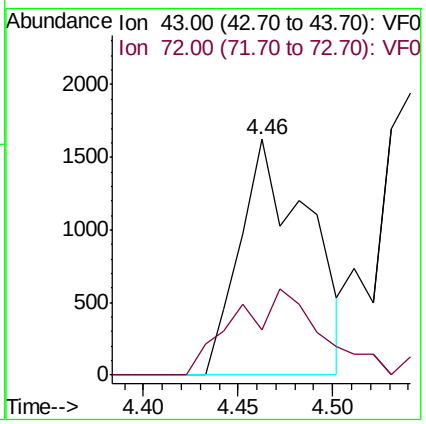


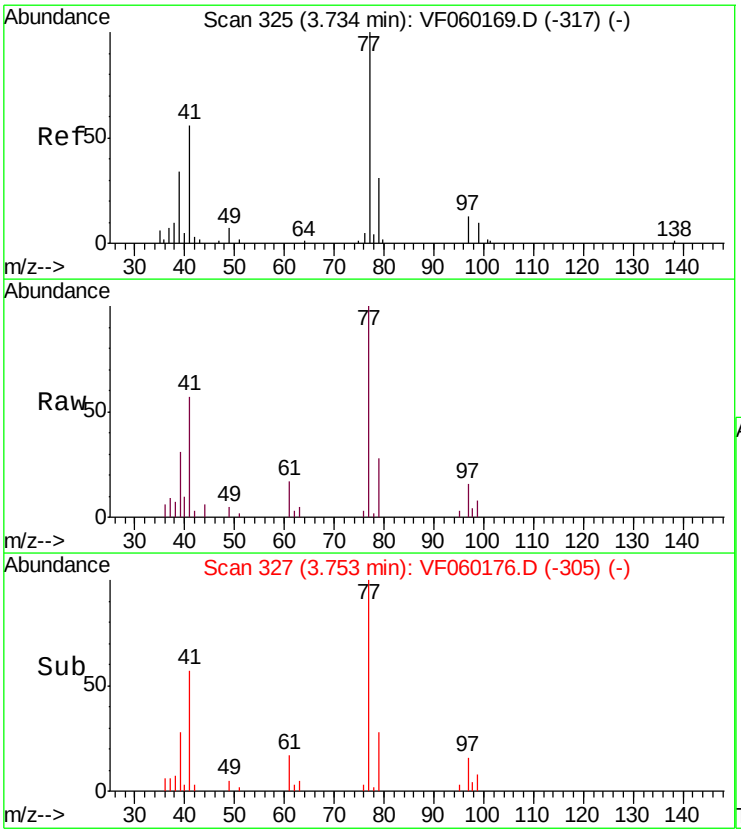

#25
2-Butanone
Concen: 77.556 ug/l
RT: 4.46 min Scan# 399
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 43 Resp: 4098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.3 | 24.2 | 36.2# |

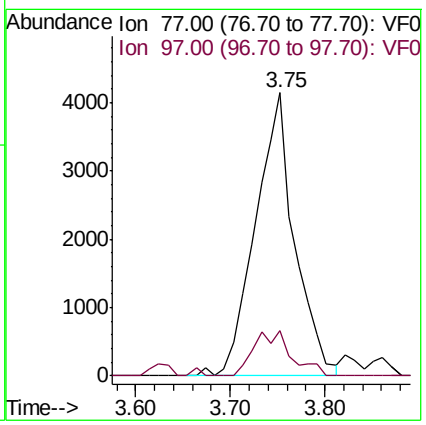


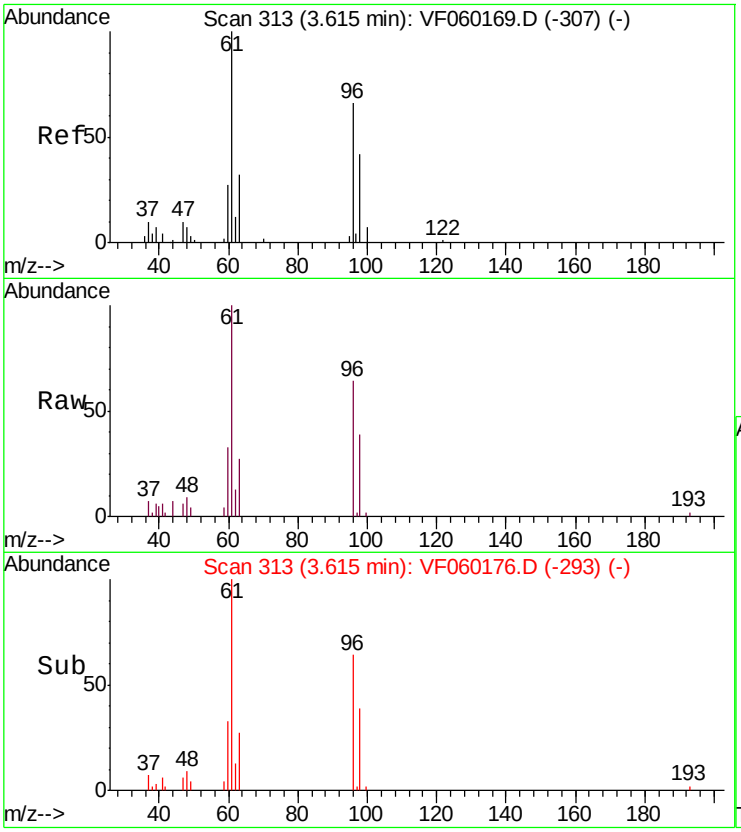




#26
2,2-Dichloropropane
Concen: 17.905 ug/l
RT: 3.75 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 77 Resp: 11949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 16.0 | 7.0 | 21.0 |



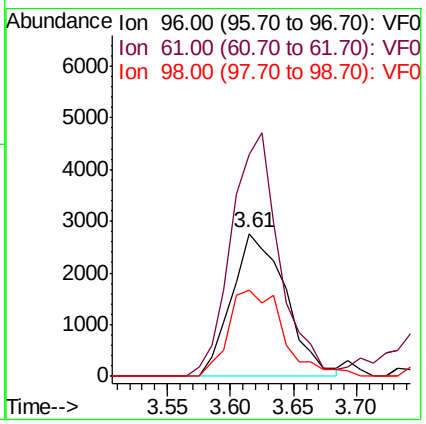


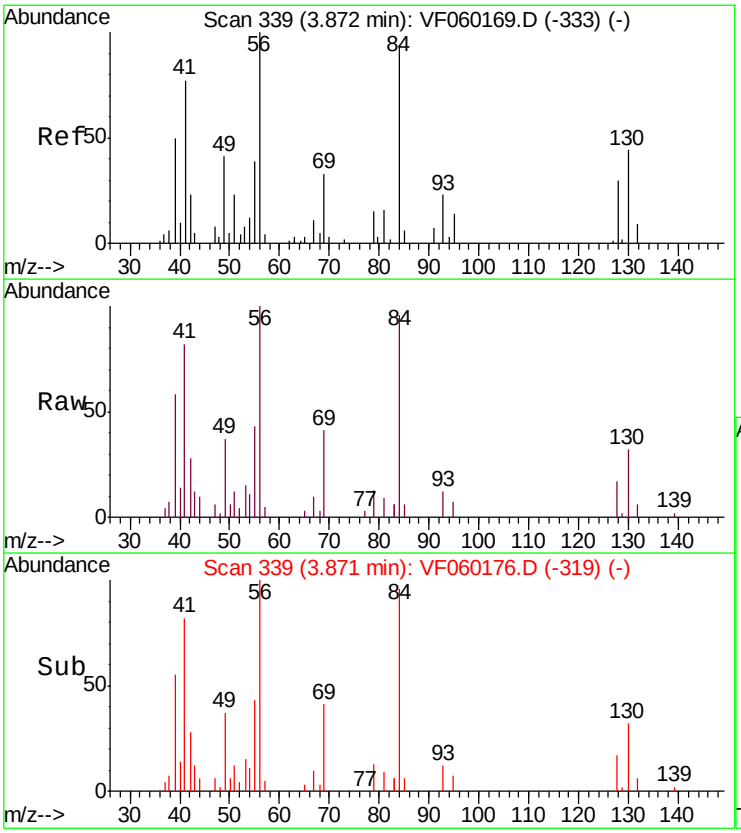

#27
cis-1,2-Dichloroethene
Concen: 19.905 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 96 Resp: 8193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.3 | 0.0 | 303.0 |
| 98 | 60.6 | 0.0 | 126.8 |

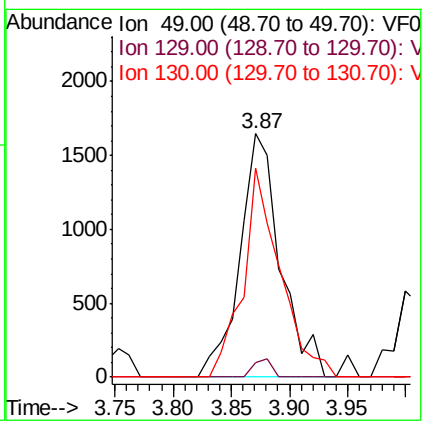


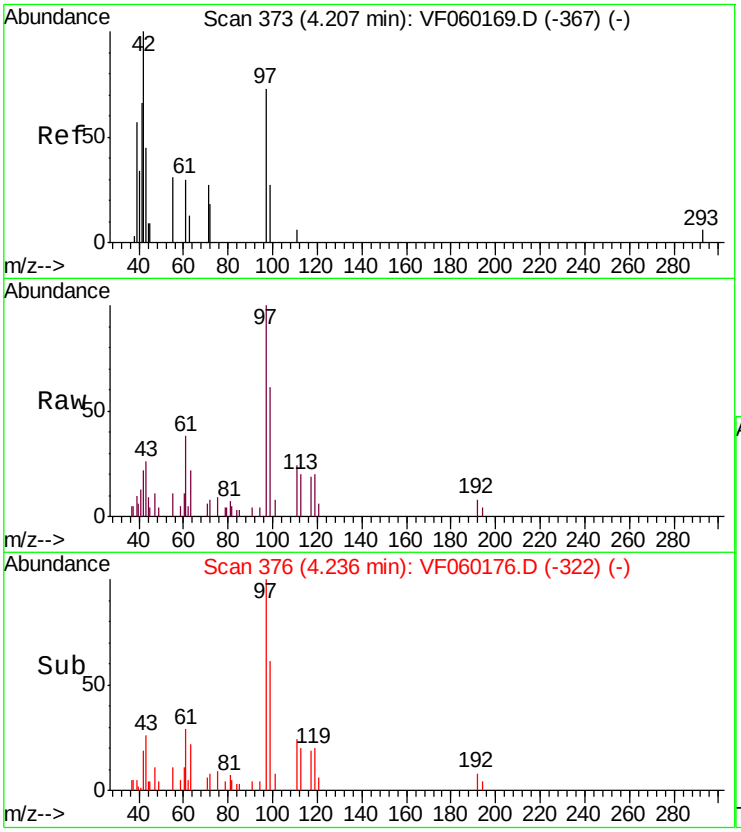




#28
Bromochloromethane
Concen: 18.740 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 49 Resp: 3978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 6.2 | 0.0 | 8.6 |
| 130 | 85.7 | 86.0 | 129.0# |



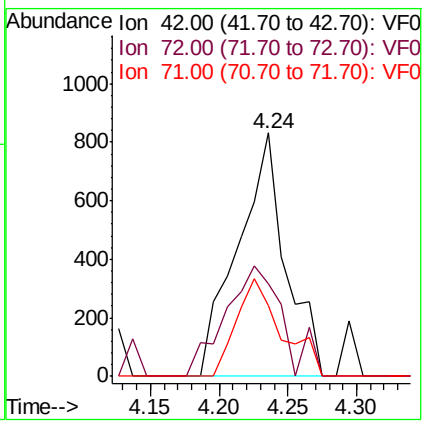


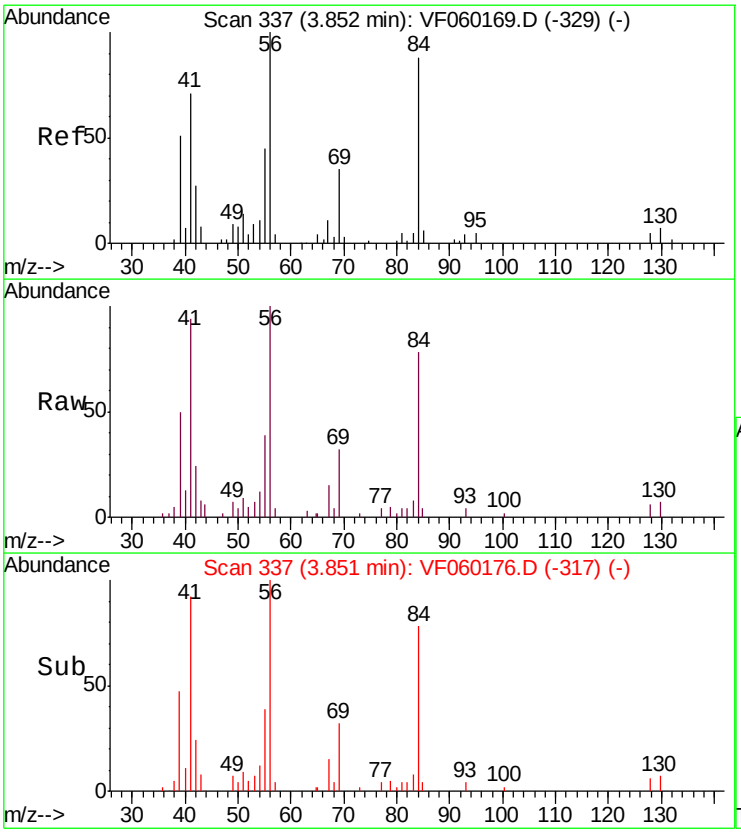

#29
Tetrahydrofuran
Concen: 83.750 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.03 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 42 Resp: 2019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 54.7 | 27.0 | 40.4# |
| 71 | 37.6 | 24.6 | 36.8# |

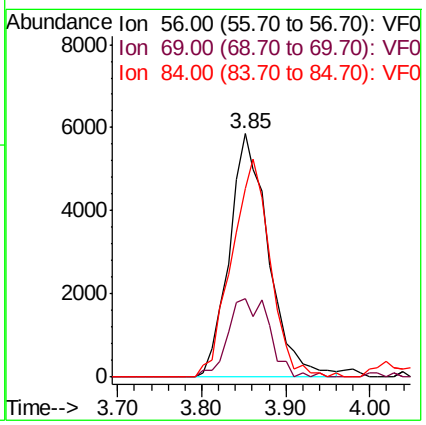


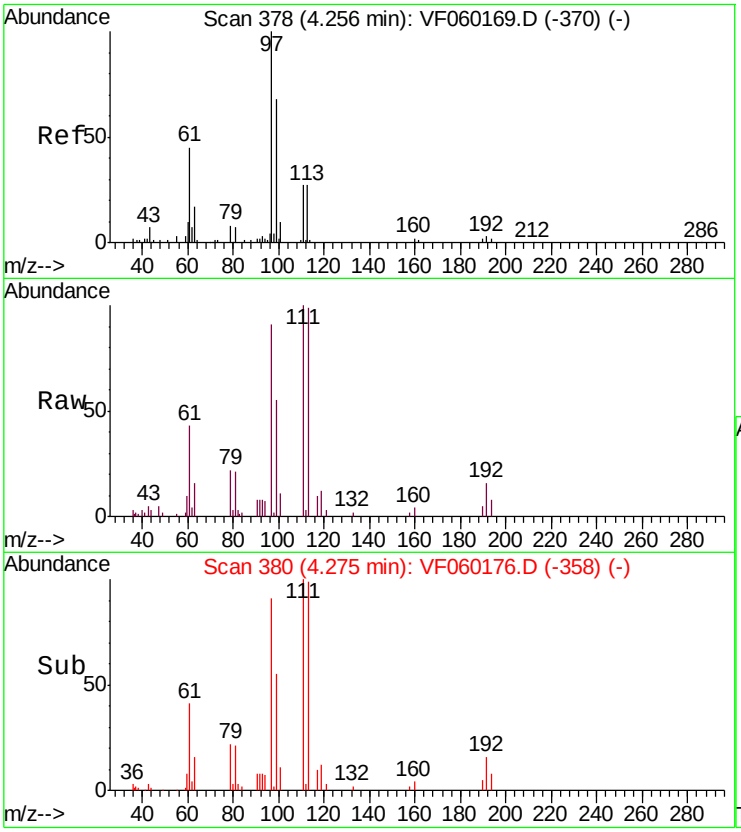




#31
Cyclohexane
Concen: 20.146 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 56 Resp: 19034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.5 | 27.7 | 41.5 |
| 84 | 77.6 | 70.2 | 105.4 |



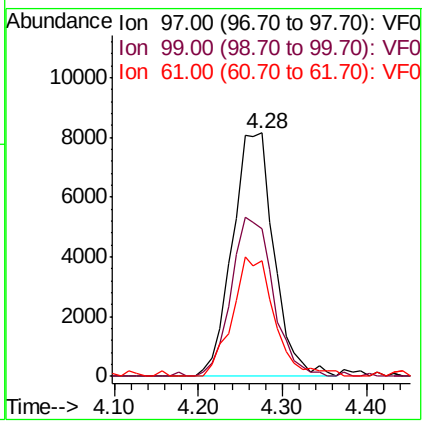


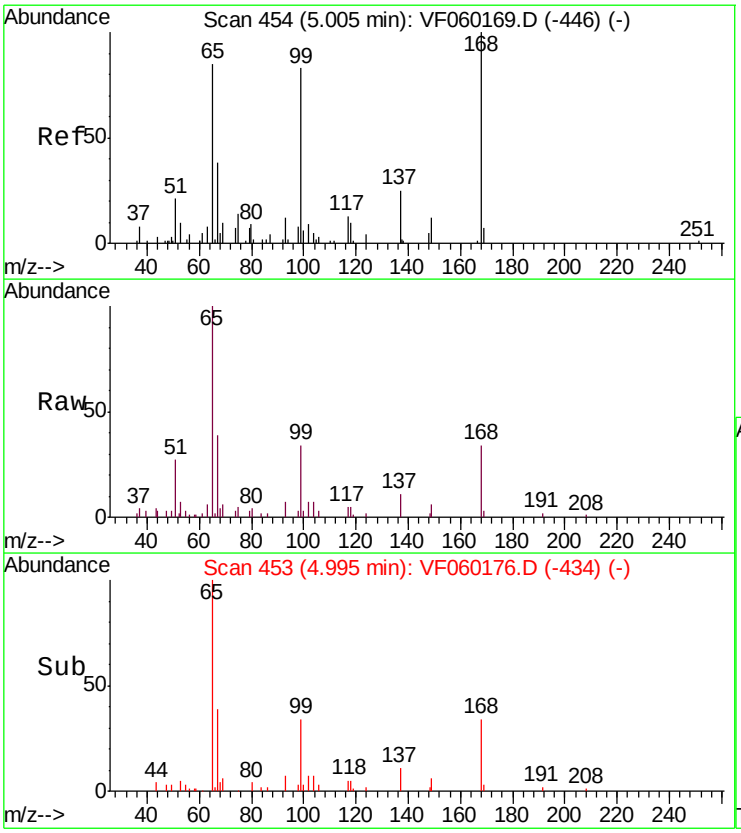

#32
1,1,1-Trichloroethane
Concen: 17.810 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 97 Resp: 28150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 59.4 | 54.4 | 81.6 |
| 61 | 46.8 | 36.2 | 54.4 |

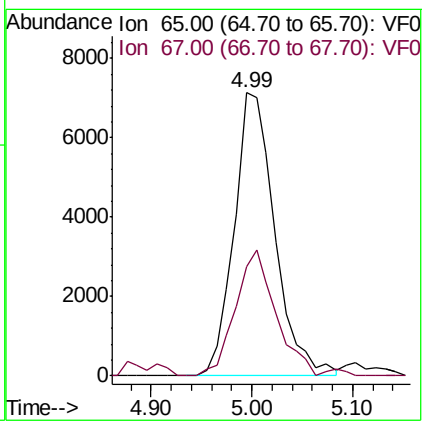


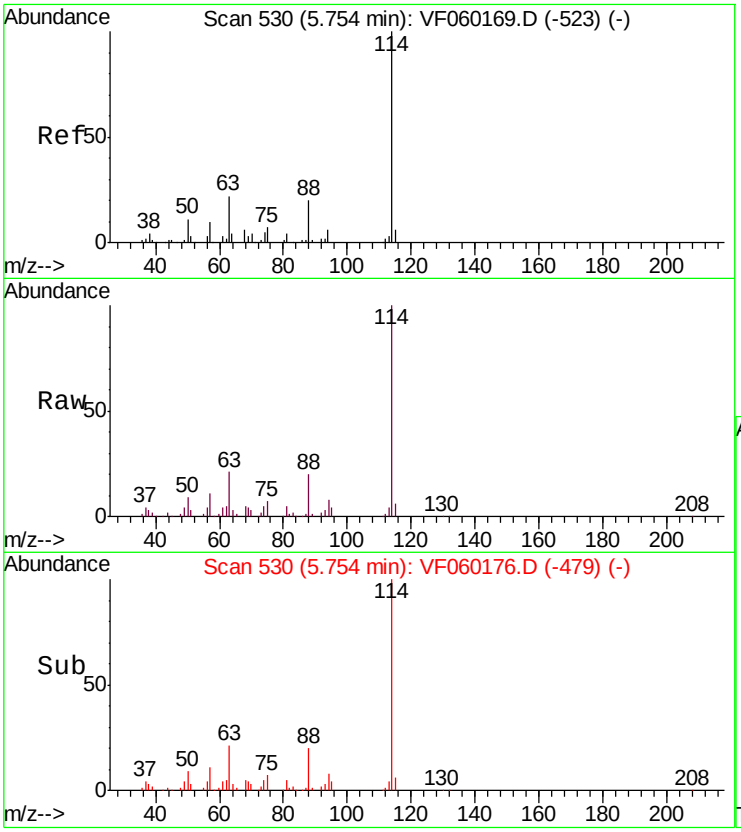




#33
1,2-Dichloroethane-d4
Concen: 44.723 ug/l
RT: 4.99 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 65 Resp: 20061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 38.8 | 0.0 | 92.6 |



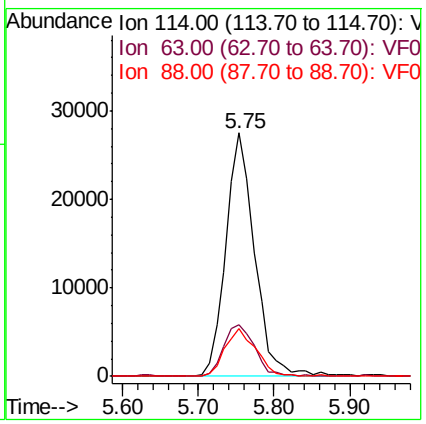


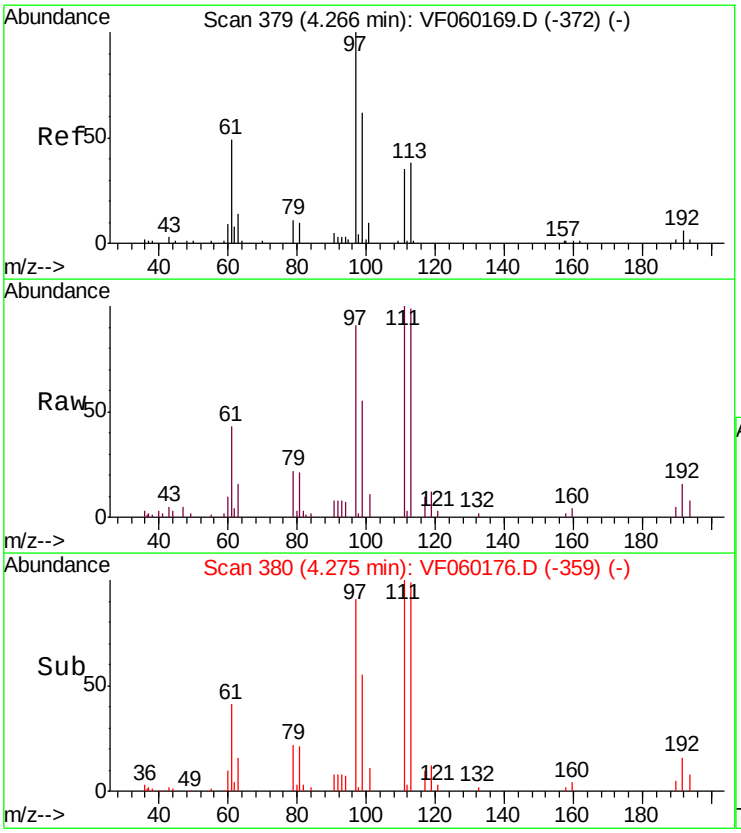

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:114 Resp: 72258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 45.8 |
| 88 | 19.7 | 0.0 | 40.2 |

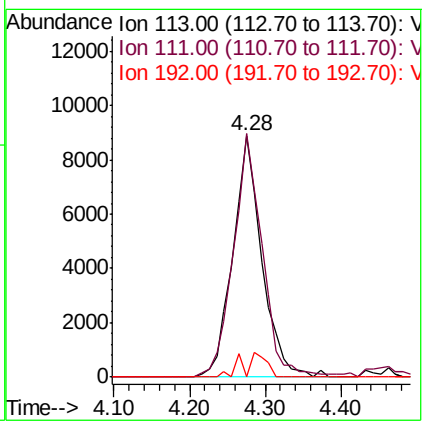


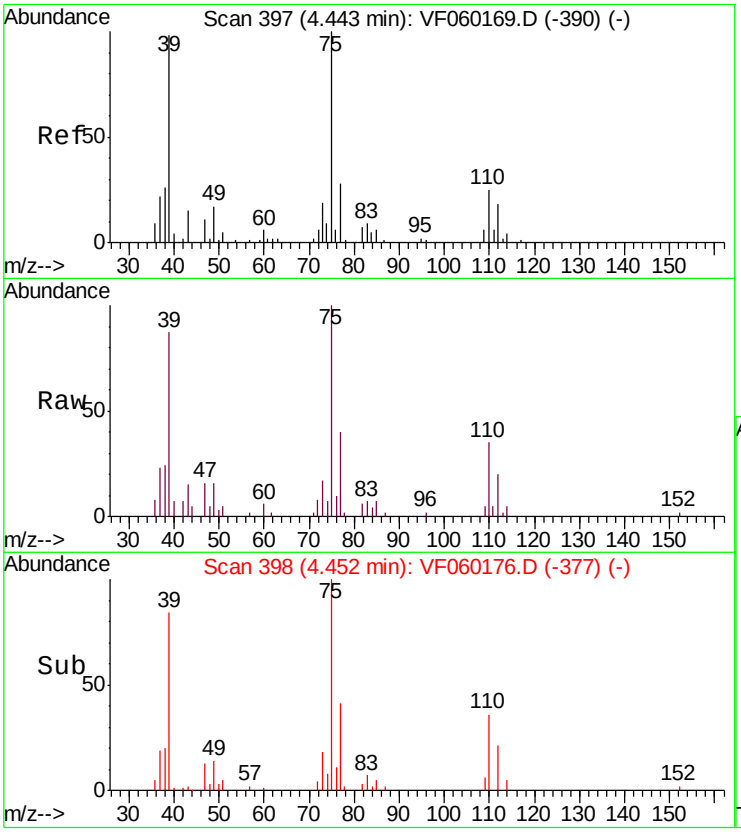




#35
Dibromofluoromethane
Concen: 50.694 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:113 Resp: 23565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 75.5 | 113.3 |
| 192 | 0.0 | 12.5 | 18.7# |



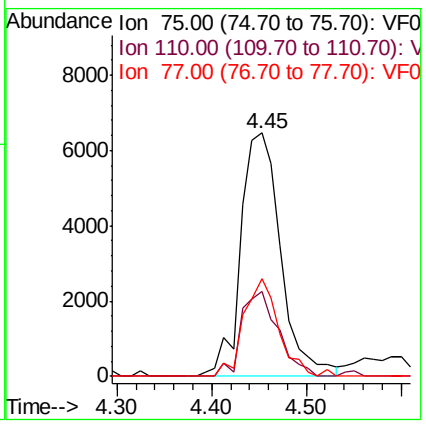


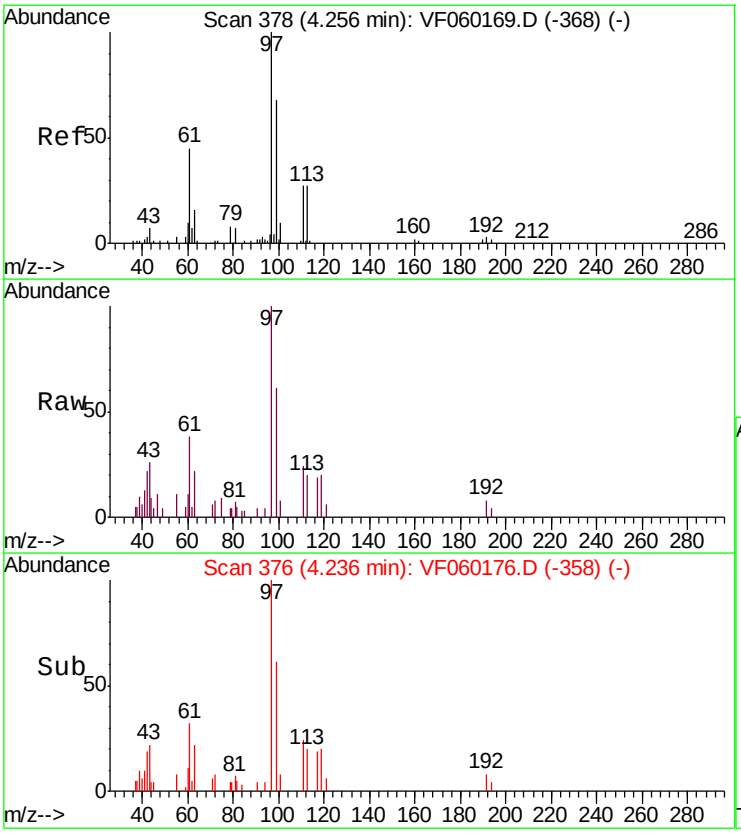

#36
1,1-Dichloropropene
Concen: 19.087 ug/l
RT: 4.45 min Scan# 398
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 75 Resp: 19034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 12.6 | 37.6 |
| 77 | 40.0 | 22.2 | 33.4# |

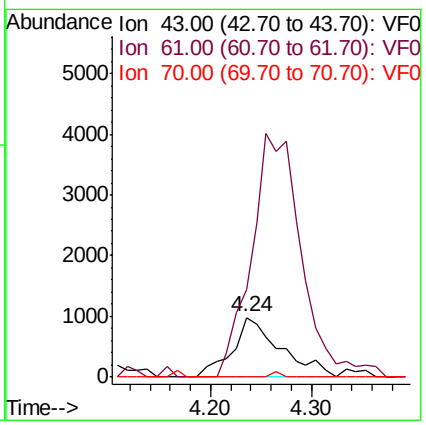


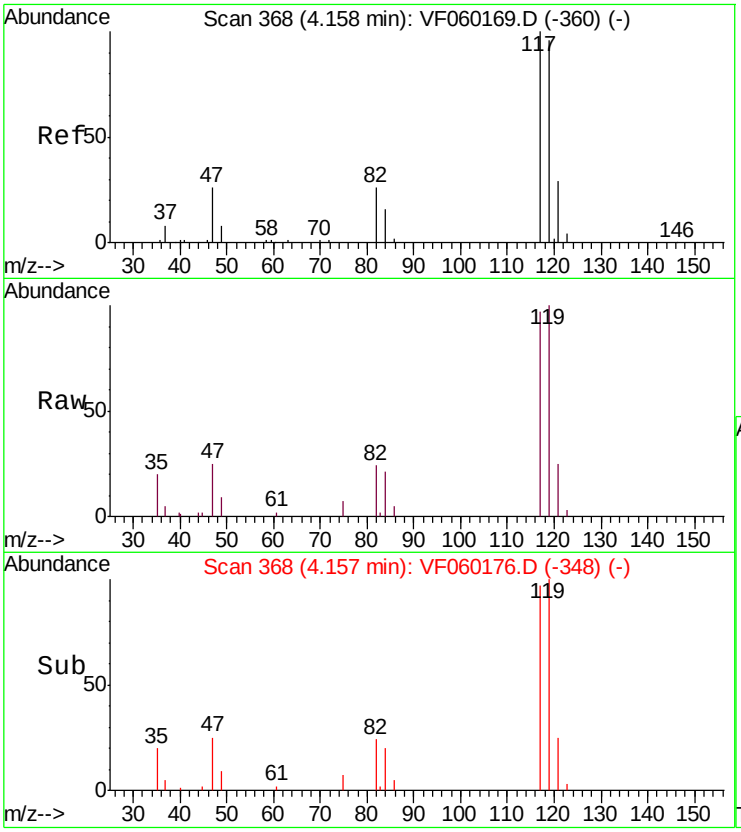




#37
Ethyl Acetate
Concen: 26.478 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 3255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 147.1 | 517.6 | 776.4# |
| 70 | 0.0 | 15.4 | 23.2# |



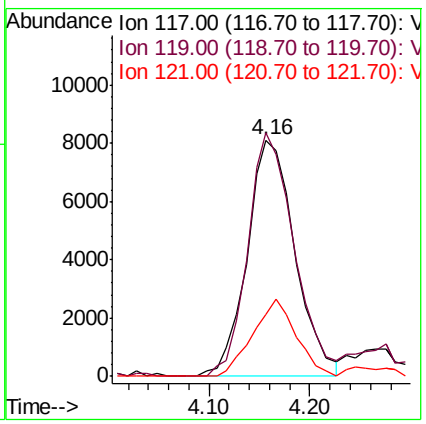


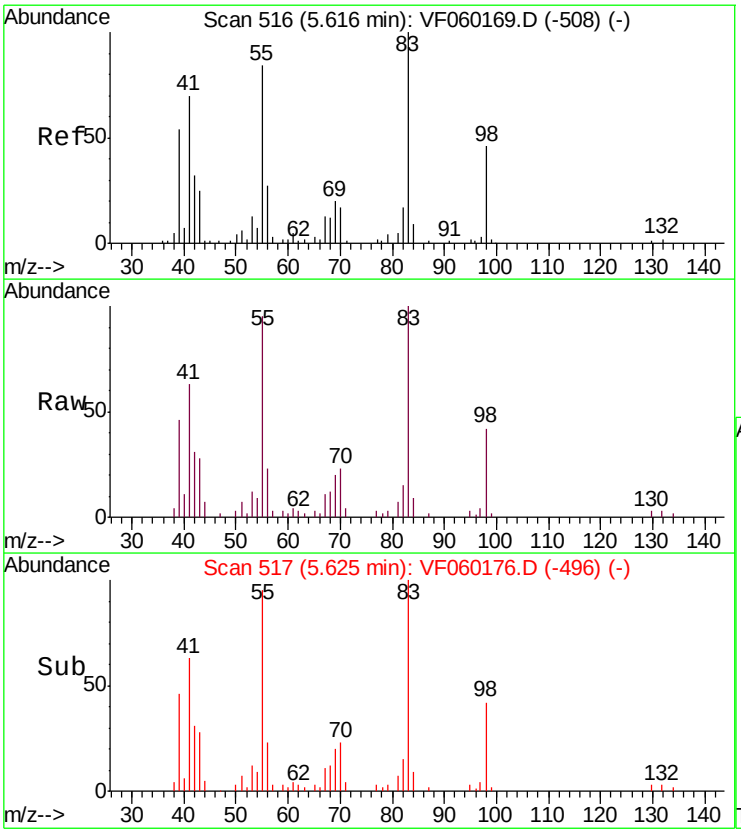

#38
Carbon Tetrachloride
Concen: 19.520 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion:117 Resp: 26803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 103.2 | 76.8 | 115.2 |
| 121 | 26.3 | 22.9 | 34.3 |

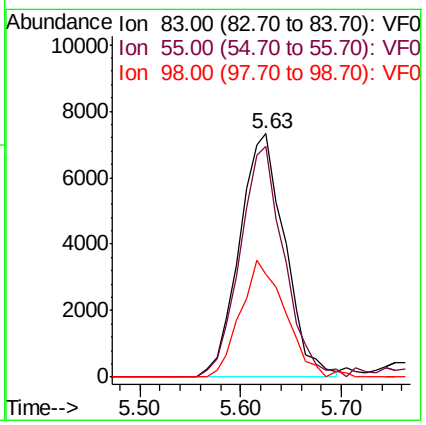


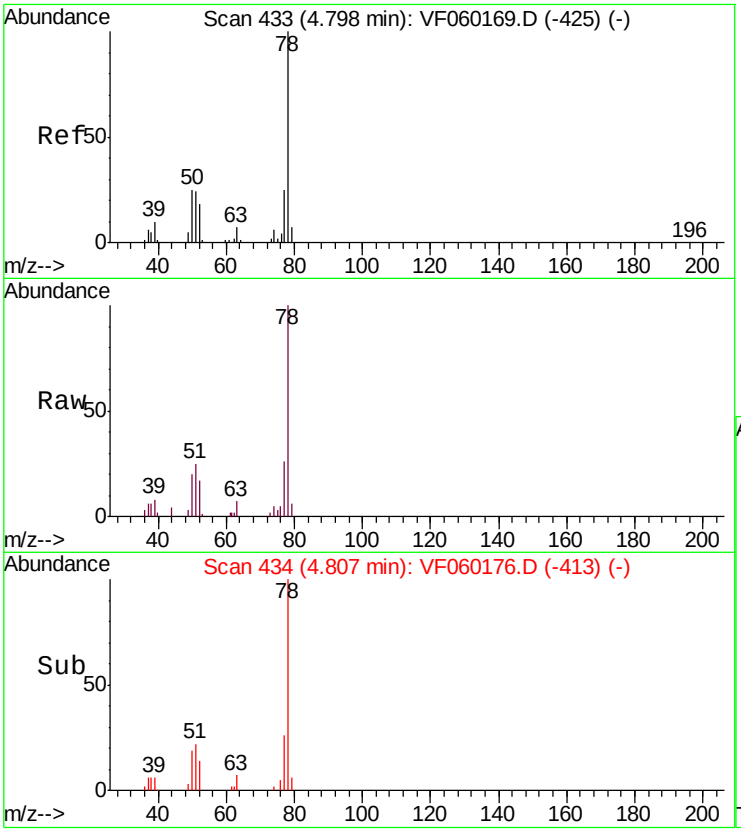




#39
Methylcyclohexane
Concen: 23.753 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 83 Resp: 22941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 94.9 | 67.4 | 101.2 |
| 98 | 42.0 | 37.0 | 55.6 |



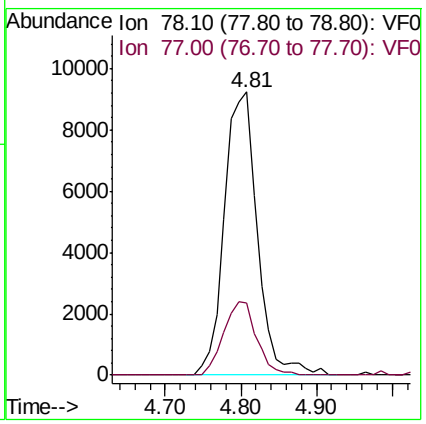


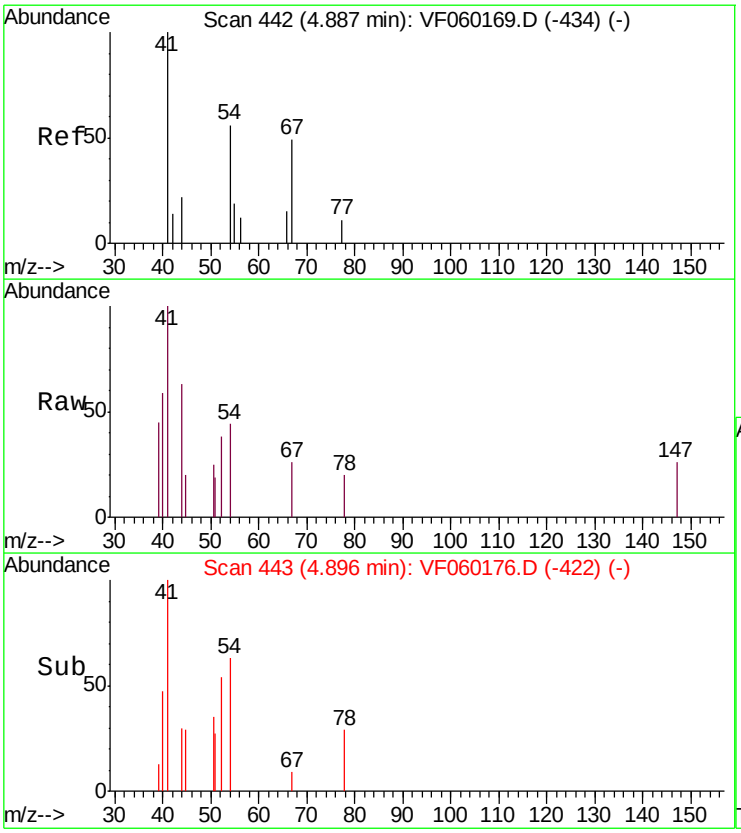

#40
Benzene
Concen: 20.530 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 78 Resp: 27871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.6 | 20.2 | 30.2 |

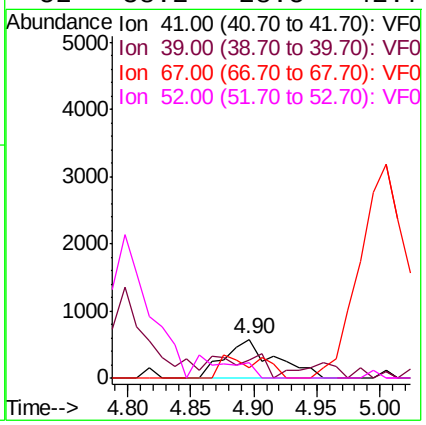


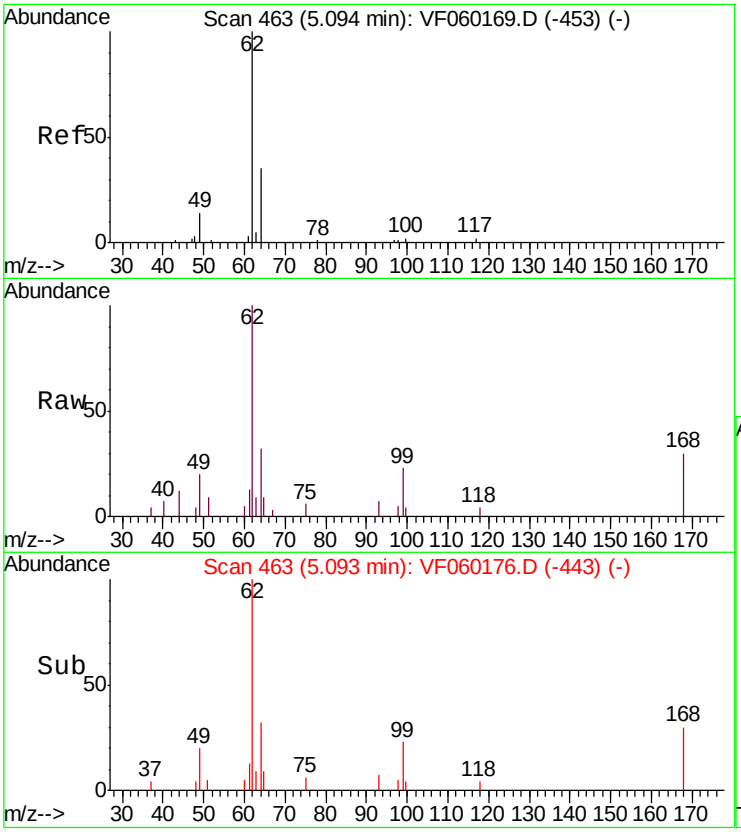




#41
Methacrylonitrile
Concen: 22.853 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 41 Resp: 1593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 44.9 | 45.0 | 67.6# |
| 67 | 25.6 | 39.5 | 59.3# |
| 52 | 38.2 | 28.5 | 42.7 |



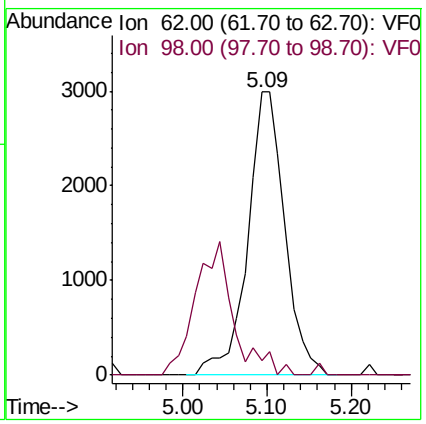


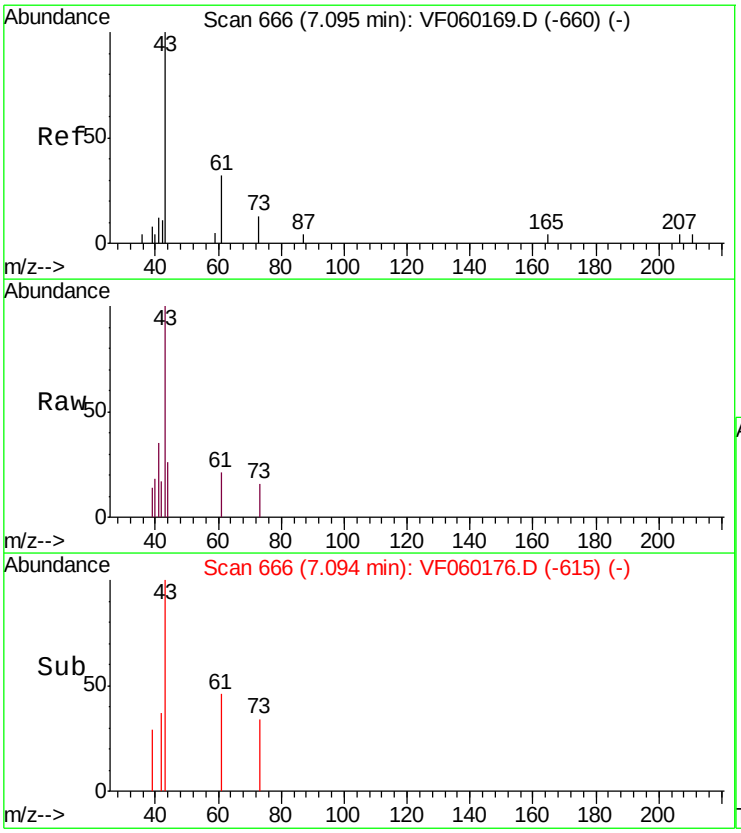

#42
1,2-Dichloroethane
Concen: 18.850 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 62 Resp: 9215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.2 | 0.0 | 13.2 |

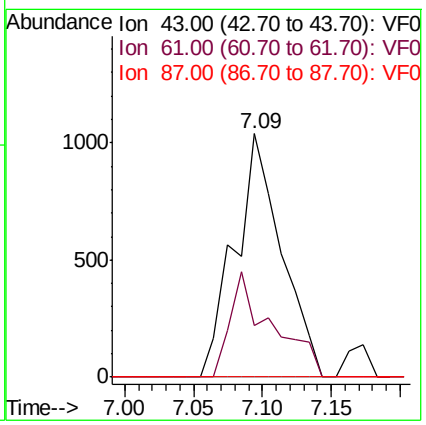


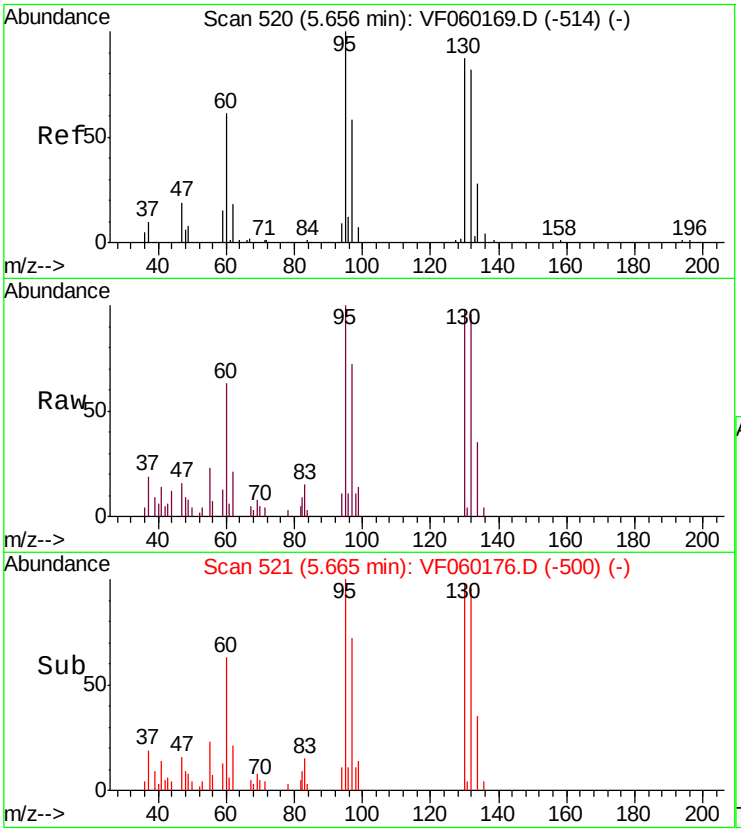




#43
Isopropyl Acetate
Concen: 15.816 ug/l
RT: 7.09 min Scan# 666
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 2450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 21.5 | 25.3 | 37.9# |
| 87 | 0.0 | 3.0 | 4.6# |



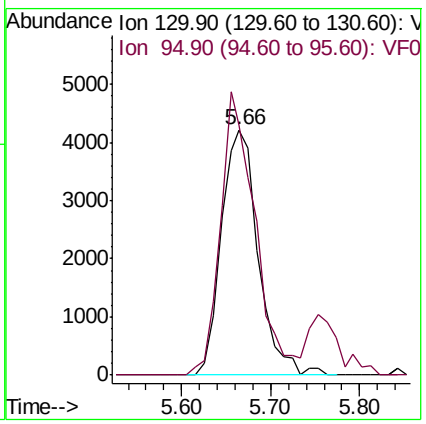


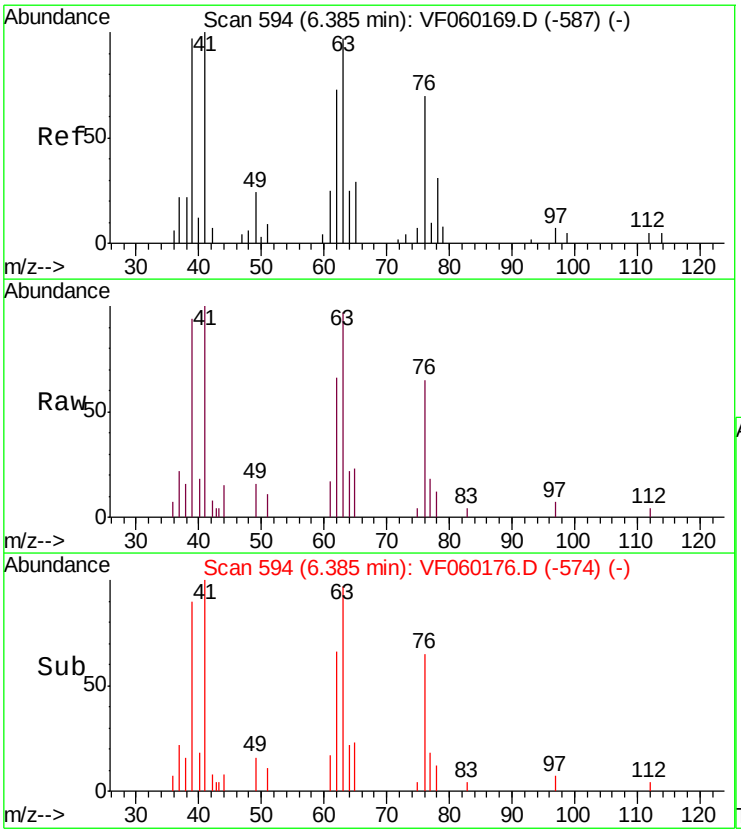

#44
Trichloroethene
Concen: 20.920 ug/l
RT: 5.66 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:130 Resp: 12185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 230.8 |

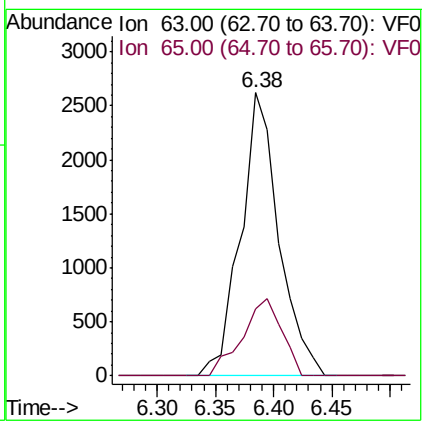


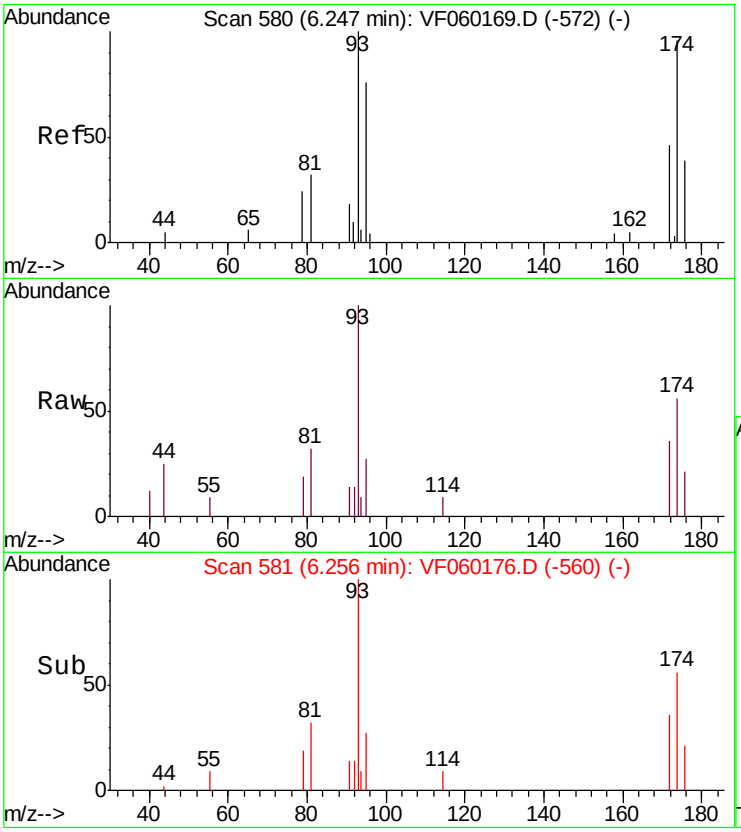




#45
1,2-Dichloropropane
Concen: 20.727 ug/l
RT: 6.38 min Scan# 594
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 63 Resp: 5955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 23.9 | 23.6 | 35.4 |



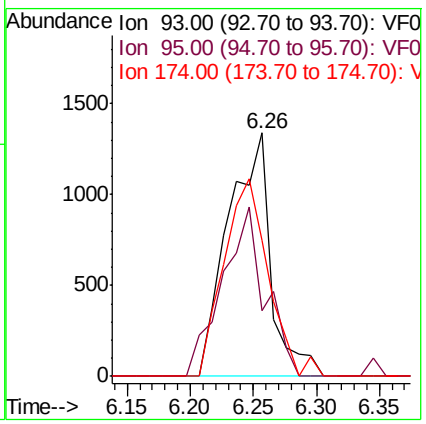


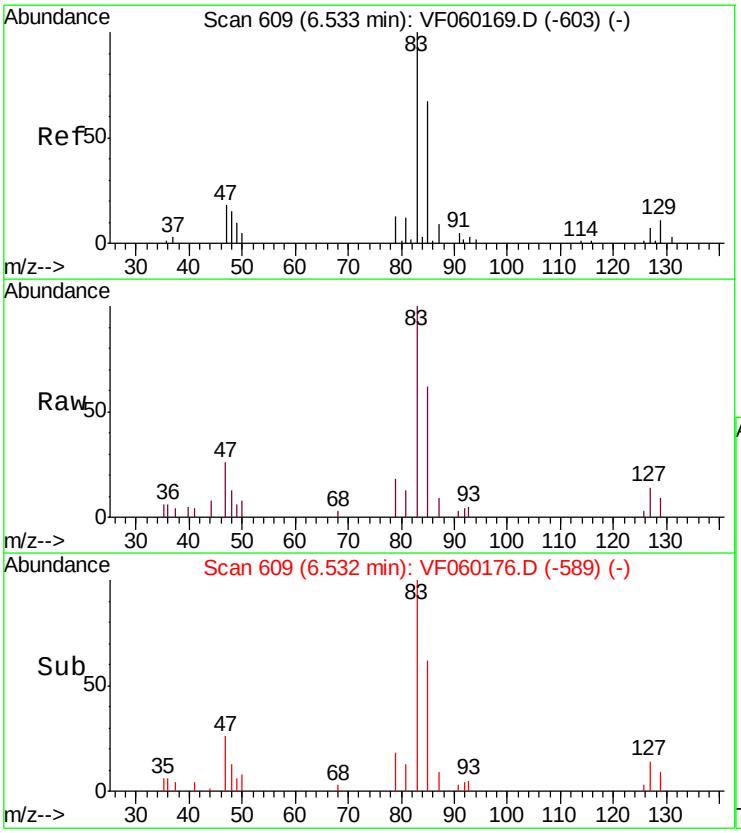

#46
Dibromomethane
Concen: 20.302 ug/l
RT: 6.26 min Scan# 581
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 93 Resp: 3152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 27.1 | 60.8 | 91.2# |
| 174 | 55.9 | 76.8 | 115.2# |

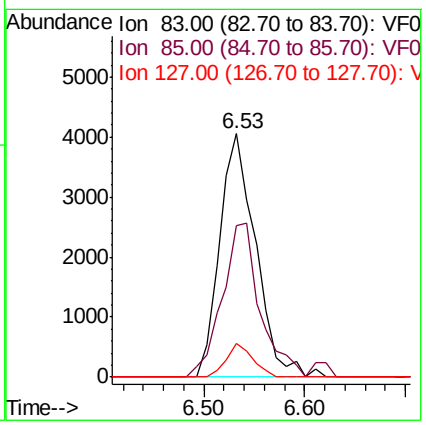


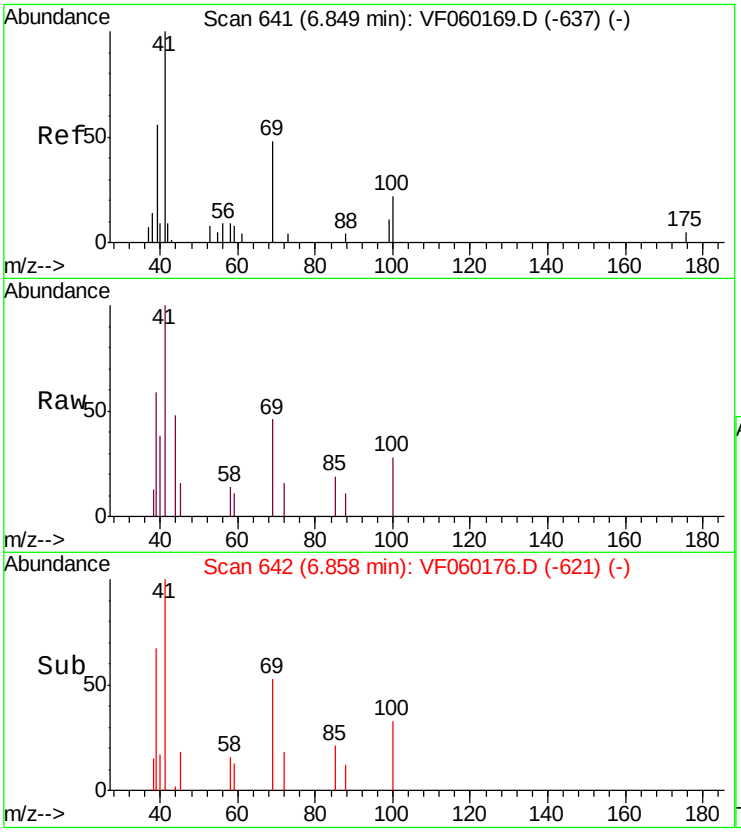




#47
Bromodichloromethane
Concen: 17.756 ug/l
RT: 6.53 min Scan# 609
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 83 Resp: 10047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 53.3 | 79.9 |
| 127 | 13.9 | 5.7 | 8.5# |



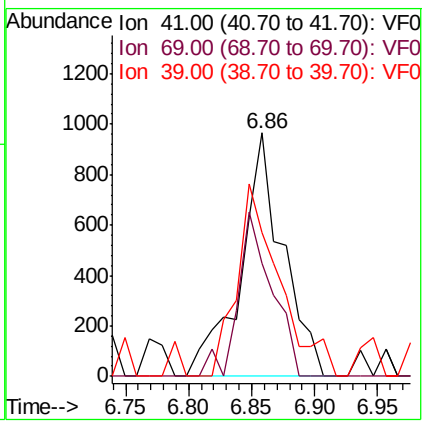


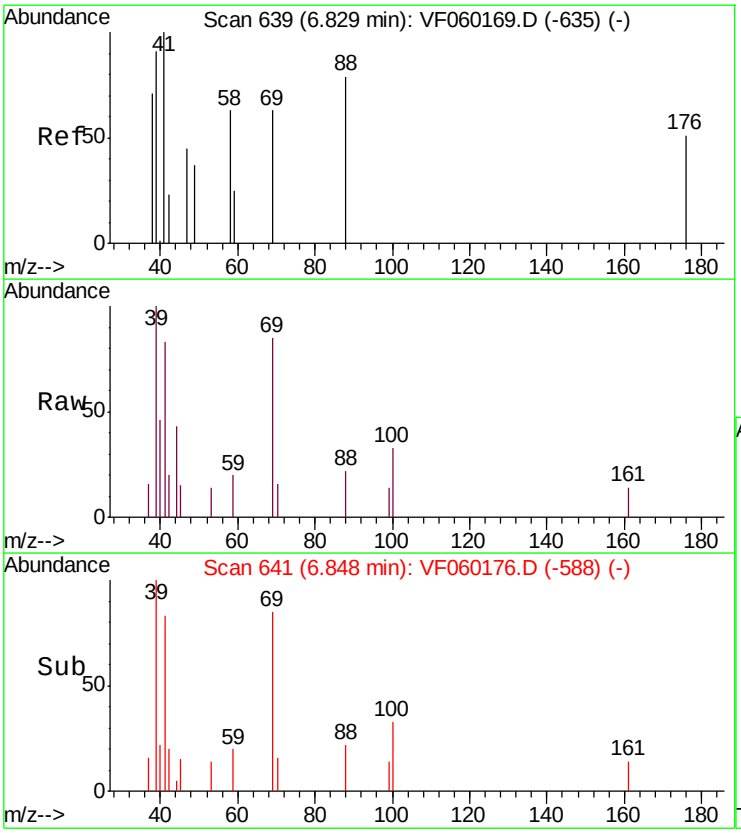

#48
Methyl methacrylate
Concen: 18.635 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 41 Resp: 2248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 46.5 | 38.2 | 57.2 |
| 39 | 58.9 | 56.2 | 84.2 |

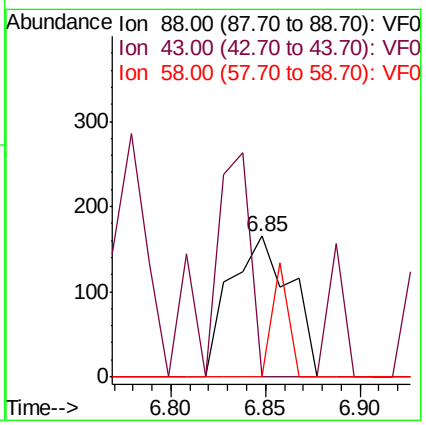


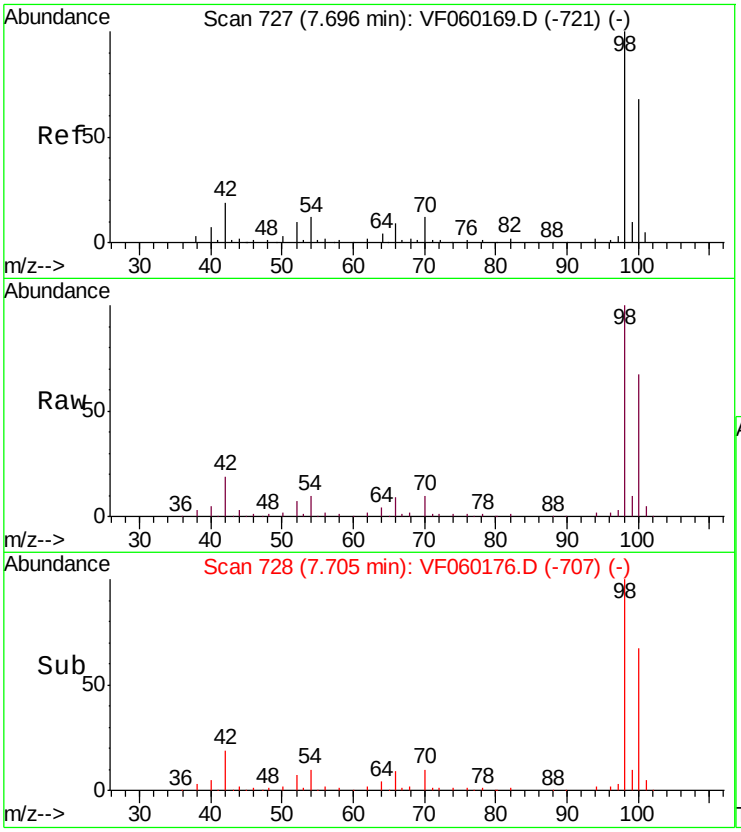




#49
1,4-Dioxane
Concen: 500.025 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 88 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 24.5 | 36.7# |
| 58 | 0.0 | 63.8 | 95.8# |



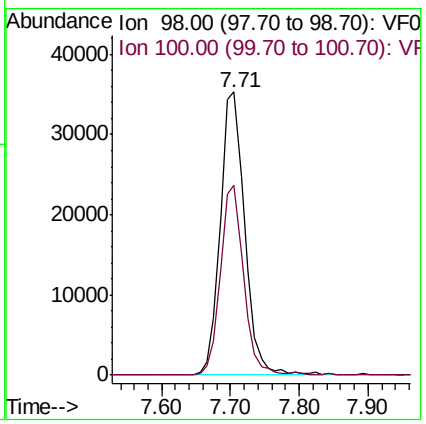


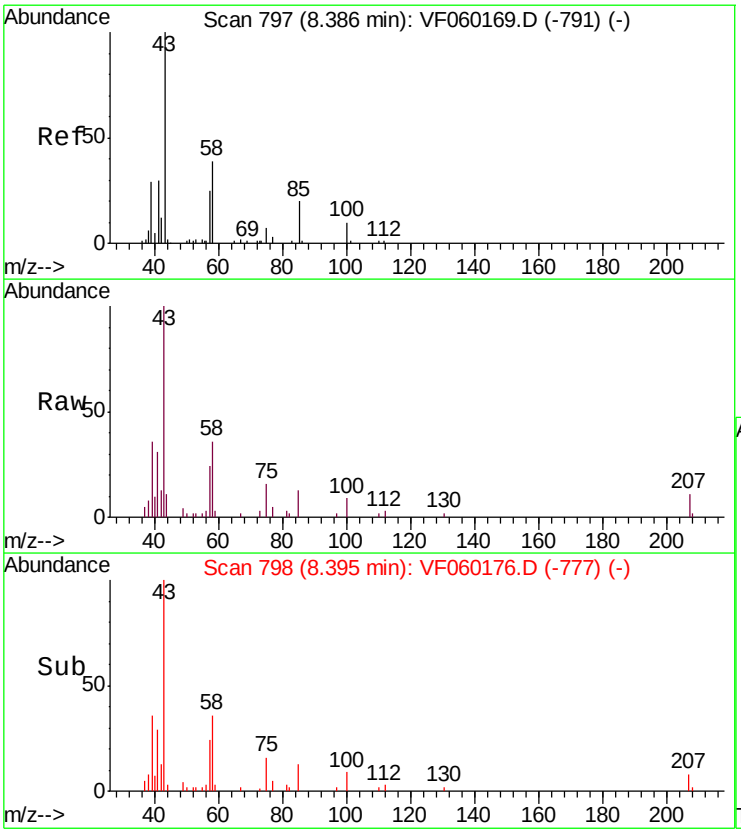

#50
Toluene-d8
Concen: 54.649 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 98 Resp: 86901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 54.5 | 81.7 |

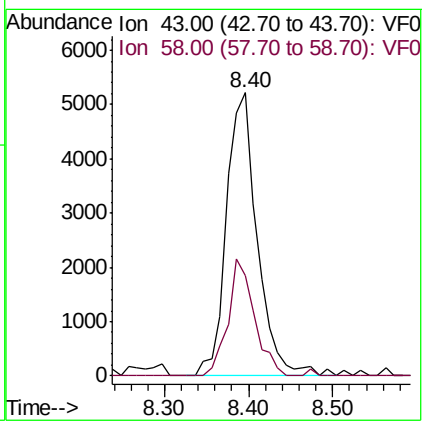


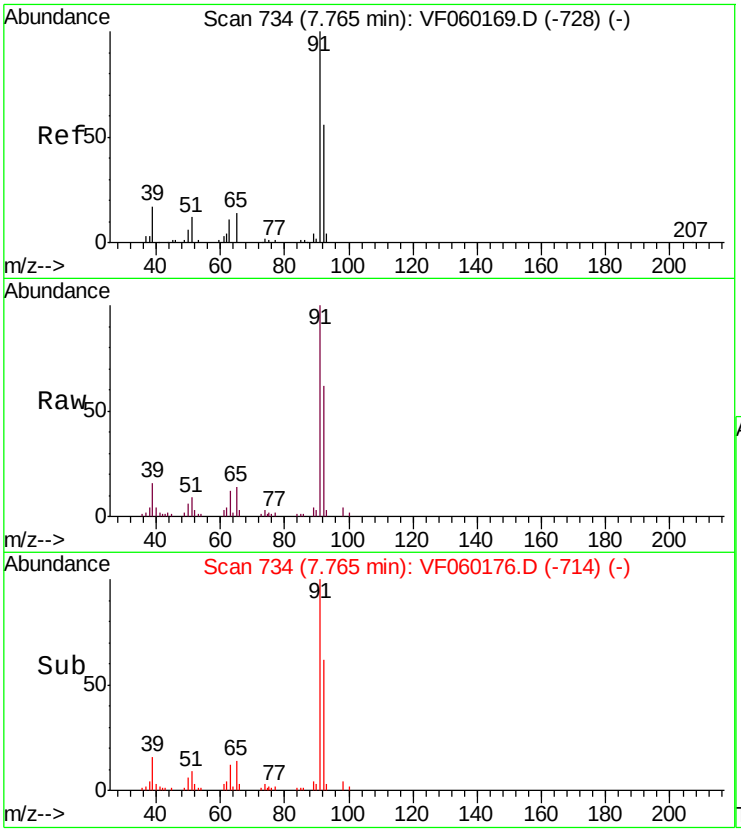




#51
4-Methyl-2-Pentanone
Concen: 98.414 ug/l
RT: 8.40 min Scan# 798
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 13318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.6 | 31.0 | 46.6 |



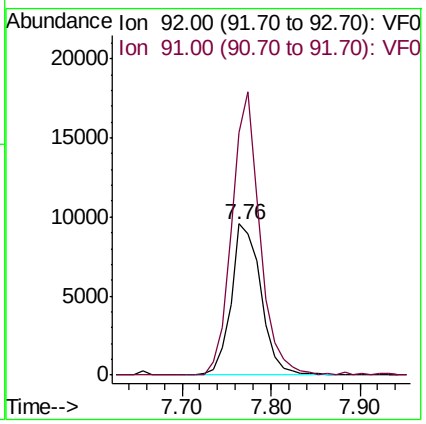


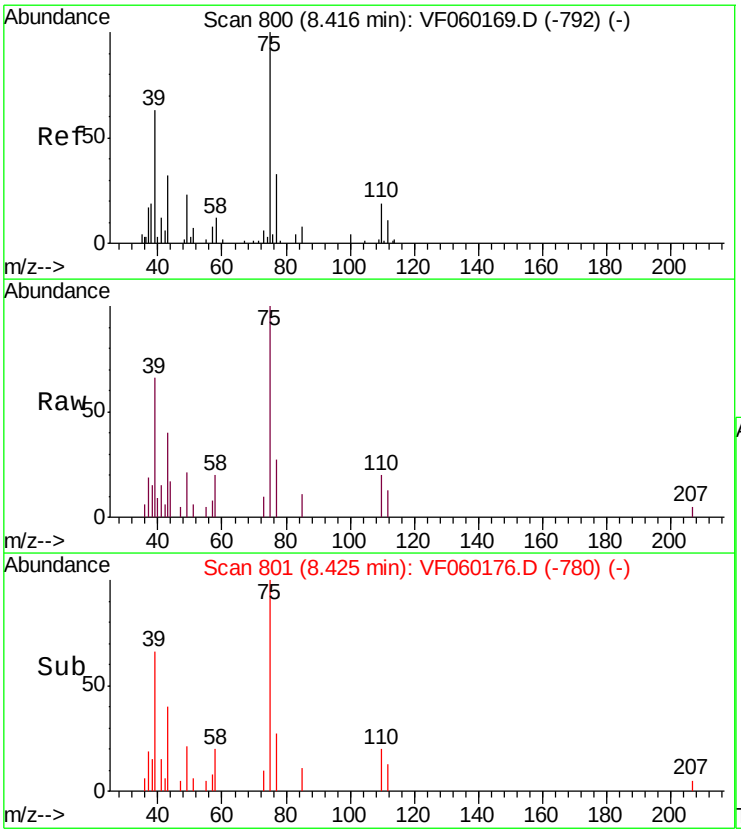

#52
Toluene
Concen: 21.357 ug/l
RT: 7.76 min Scan# 734
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 92 Resp: 22401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 160.1 | 141.9 | 212.9 |

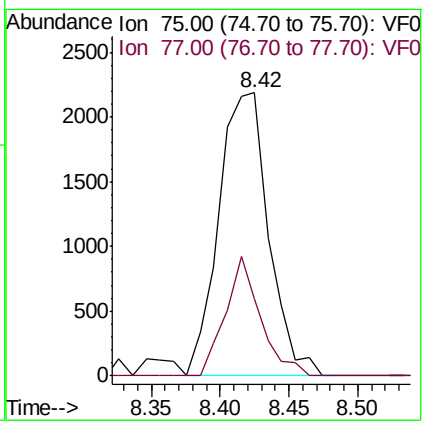


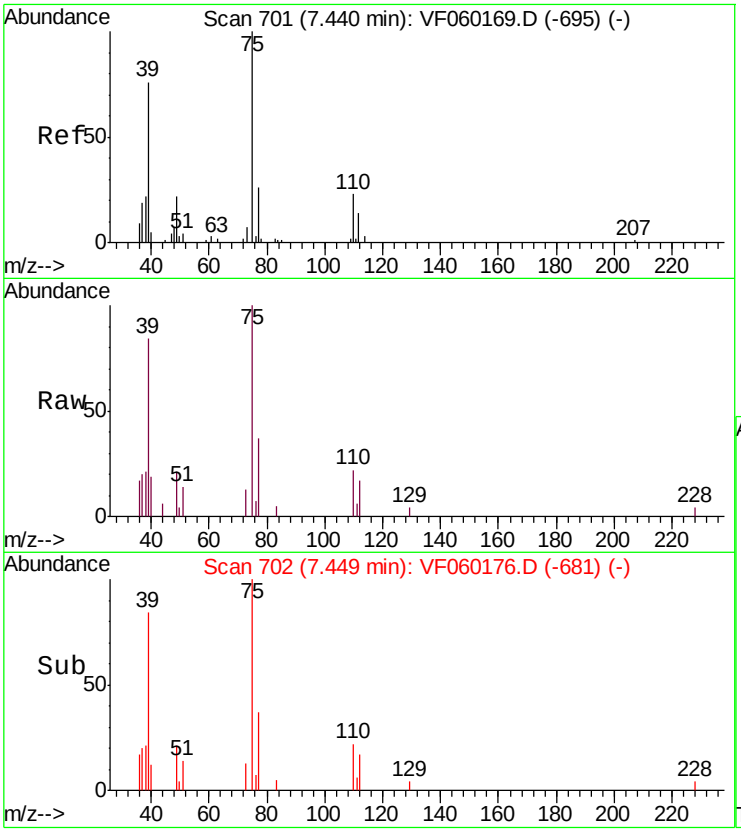




#53
t-1,3-Dichloropropene
Concen: 17.473 ug/l
RT: 8.42 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 75 Resp: 5505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.2 | 26.4 | 39.6 |



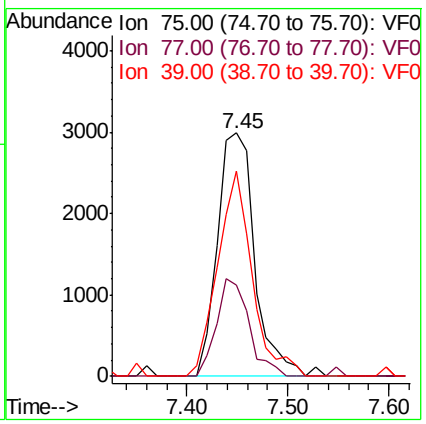


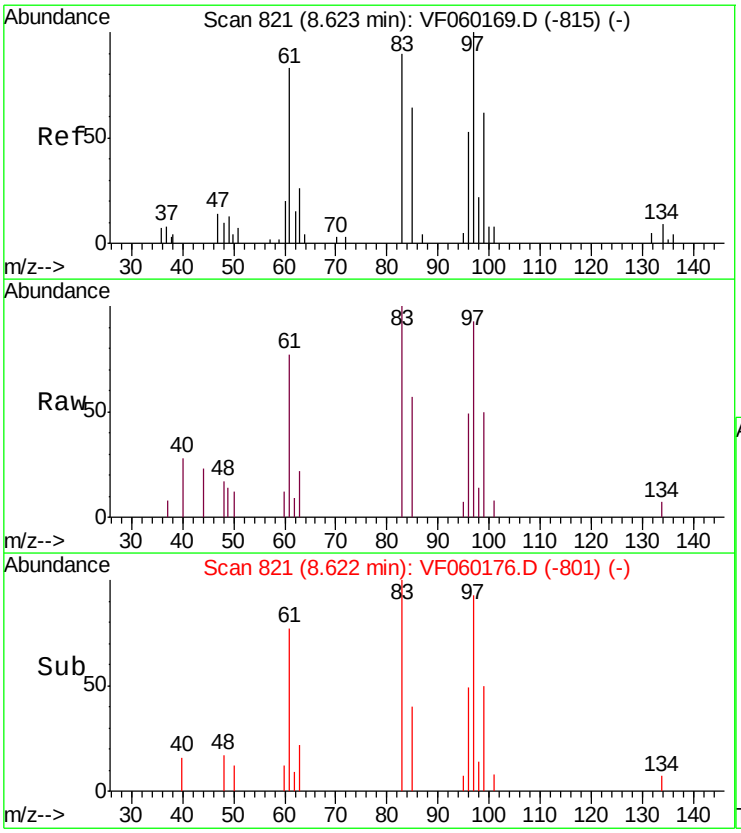

#54
cis-1,3-Dichloropropene
Concen: 19.629 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 75 Resp: 7700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.4 | 20.7 | 31.1# |
| 39 | 84.2 | 60.9 | 91.3 |

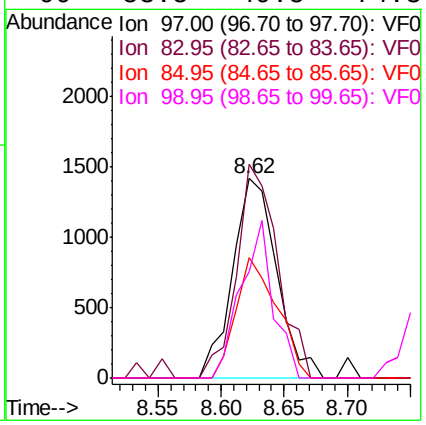


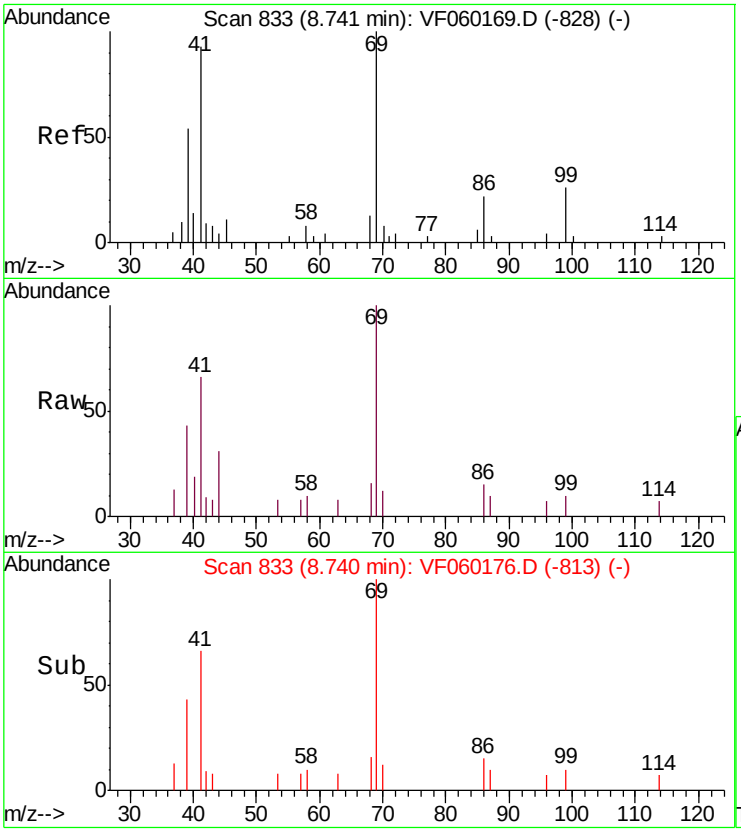




#55
1,1,2-Trichloroethane
Concen: 19.218 ug/l
RT: 8.62 min Scan# 821
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 97 Resp: 3452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 107.1 | 72.0 | 108.0 |
| 85 | 60.6 | 51.0 | 76.4 |
| 99 | 53.5 | 49.5 | 74.3 |



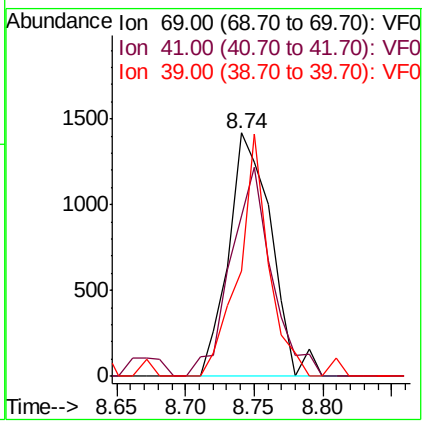


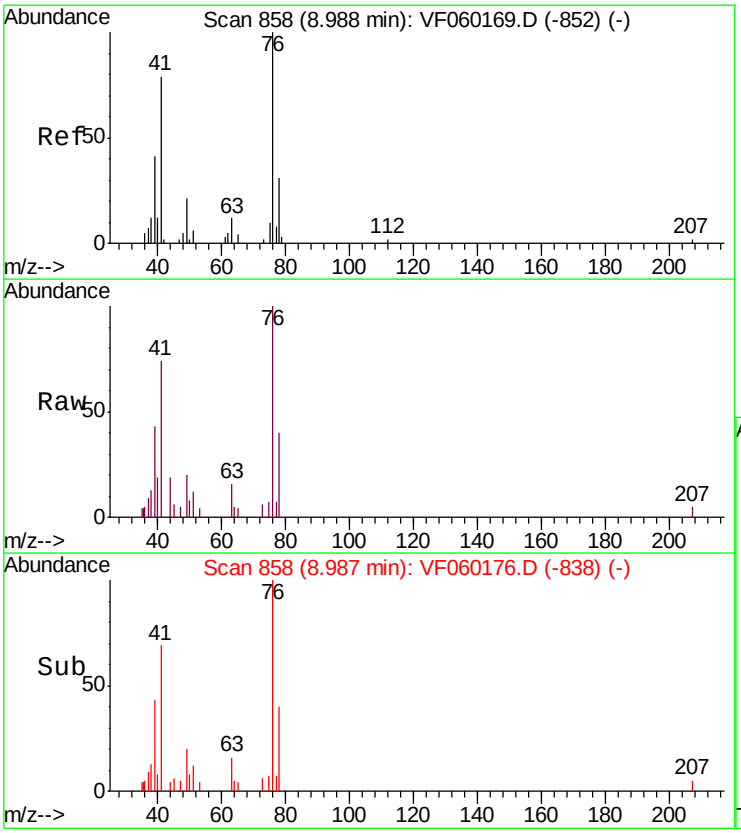

#56
Ethyl methacrylate
Concen: 20.401 ug/l
RT: 8.74 min Scan# 833
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 69 Resp: 3061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 65.8 | 74.6 | 111.8# |
| 39 | 43.2 | 46.2 | 69.4# |

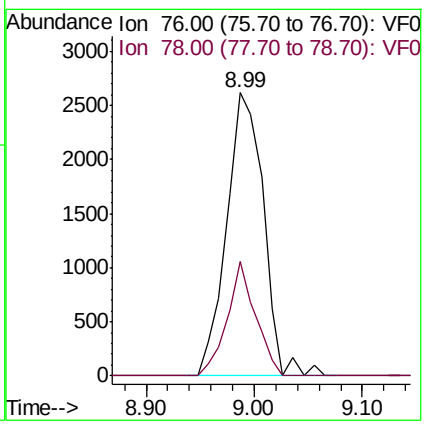


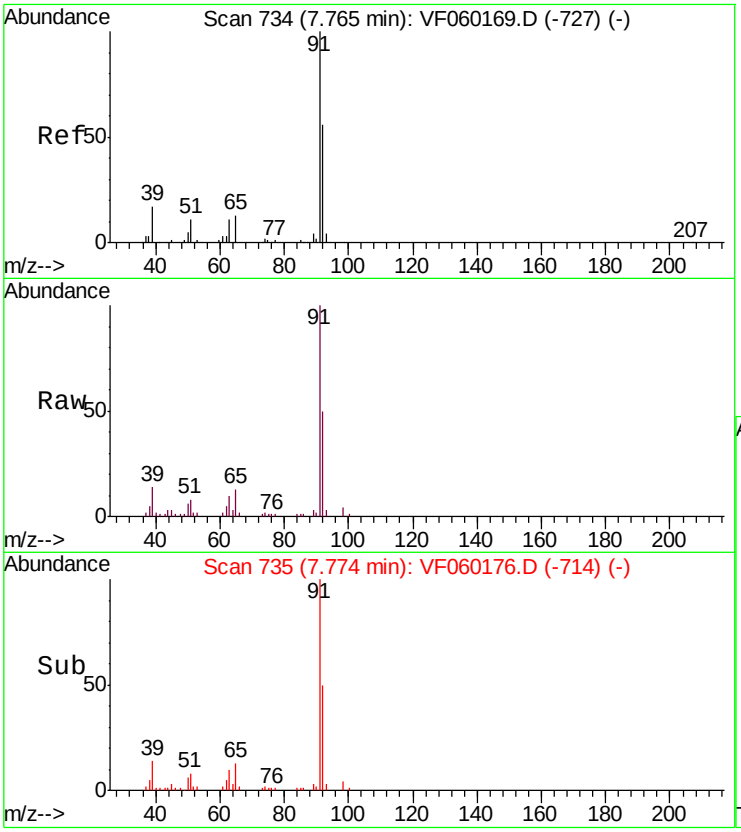




#57
1,3-Dichloropropane
Concen: 19.911 ug/l
RT: 8.99 min Scan# 858
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 76 Resp: 6196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 40.2 | 24.6 | 37.0# |



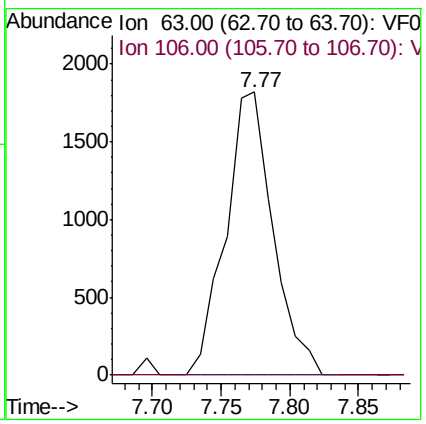


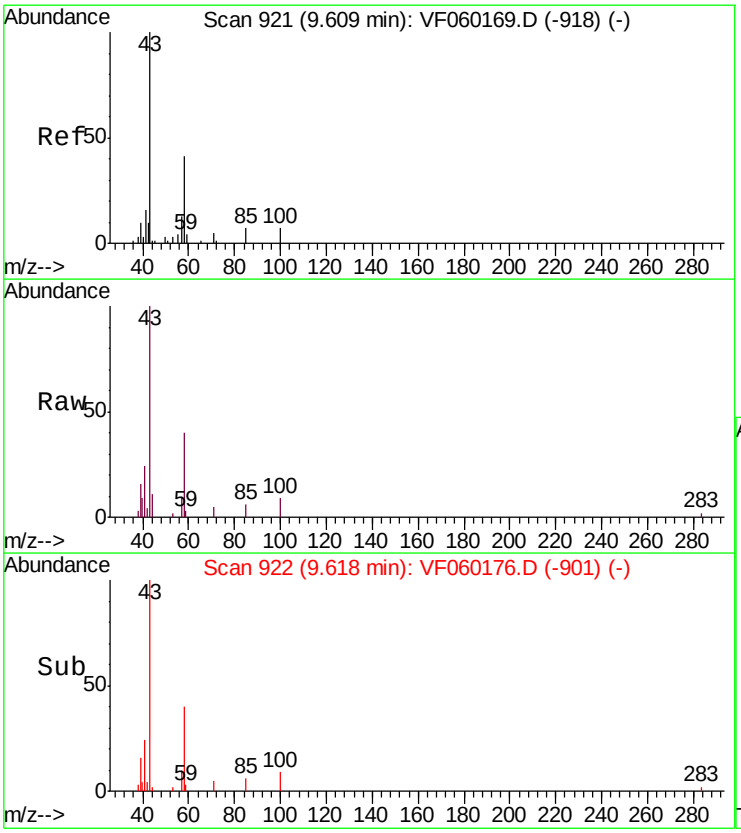

#58
2-Chloroethyl Vinyl ether
Concen: 100.811 ug/l
RT: 7.77 min Scan# 735
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 63 Resp: 4367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |

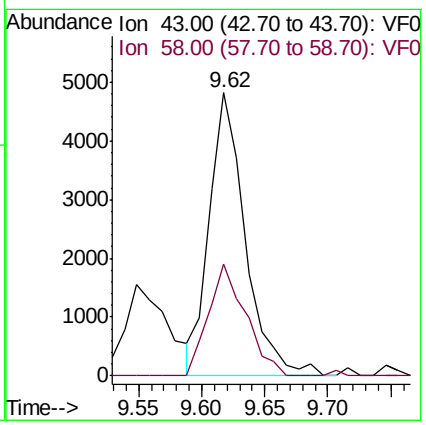


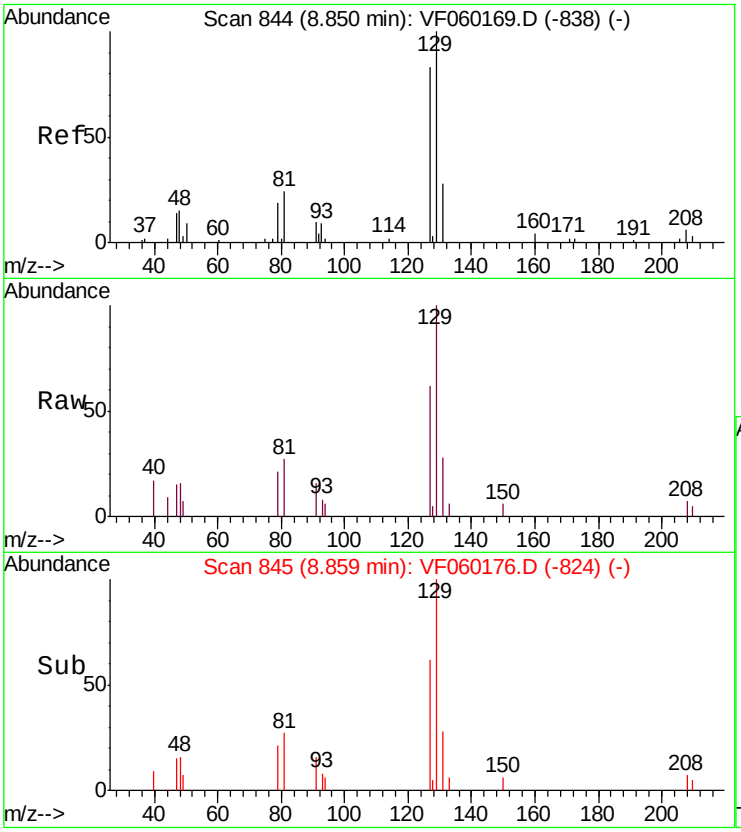




#59
2-Hexanone
Concen: 100.928 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 9587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.6 | 19.4 | 58.4 |



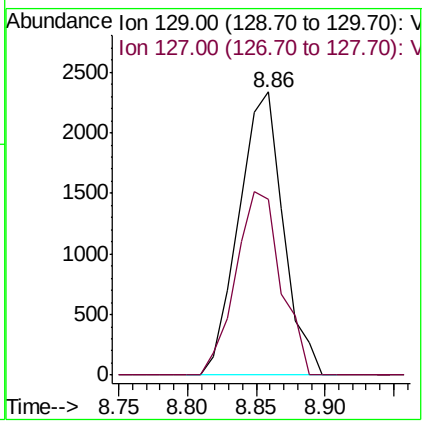


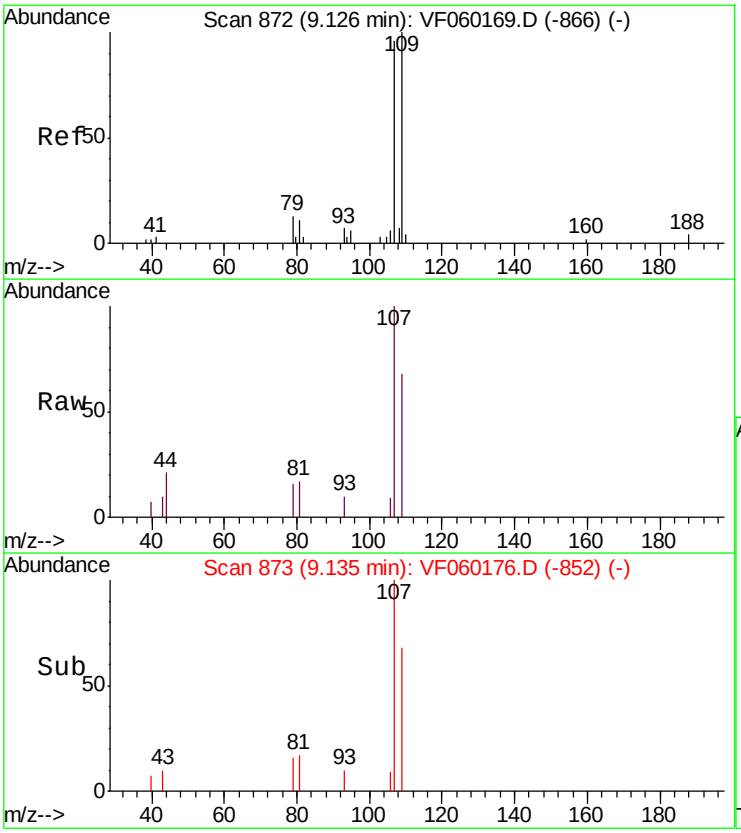

#60
Dibromochloromethane
Concen: 17.722 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:129 Resp: 5277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 62.0 | 43.2 | 129.6 |

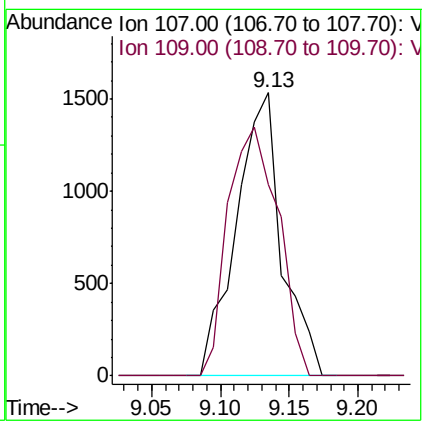


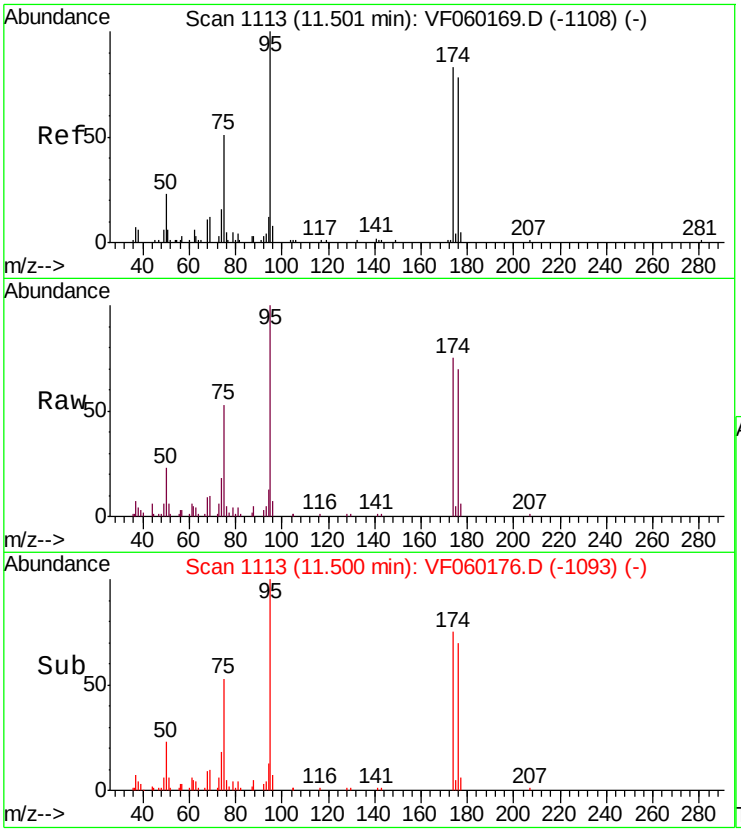




#61
1,2-Dibromoethane
Concen: 19.234 ug/l
RT: 9.13 min Scan# 873
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:107 Resp: 3540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 67.5 | 83.4 | 125.0# |



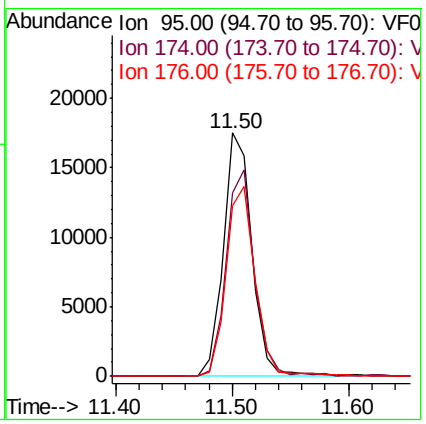


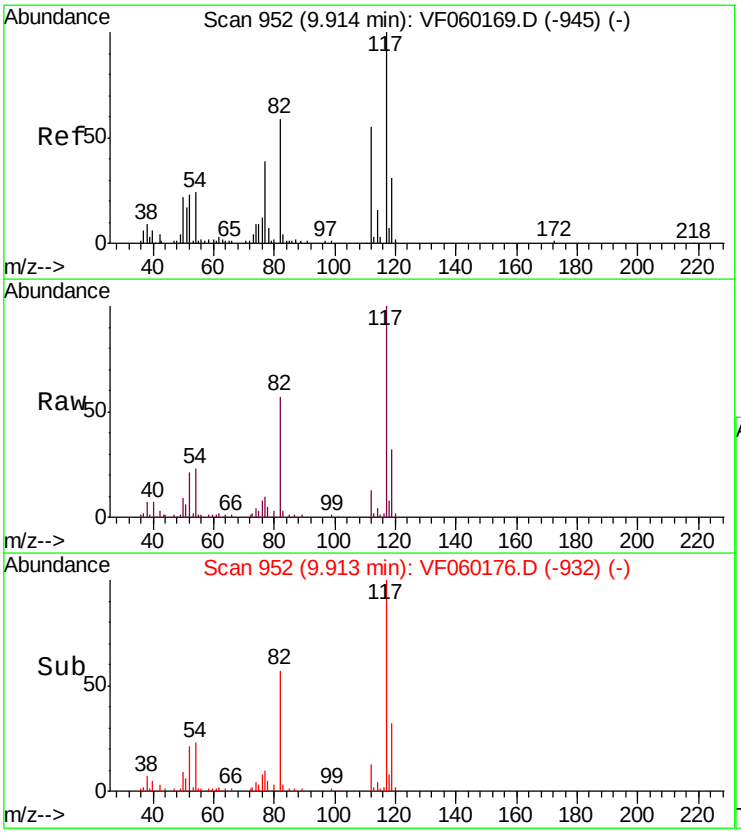

#62
4-Bromofluorobenzene
Concen: 50.589 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 95 Resp: 29665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 165.2 |
| 176 | 69.9 | 0.0 | 156.6 |

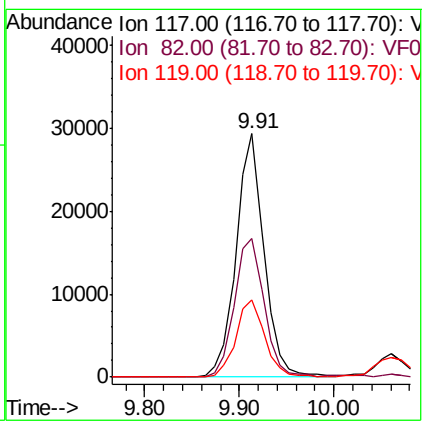


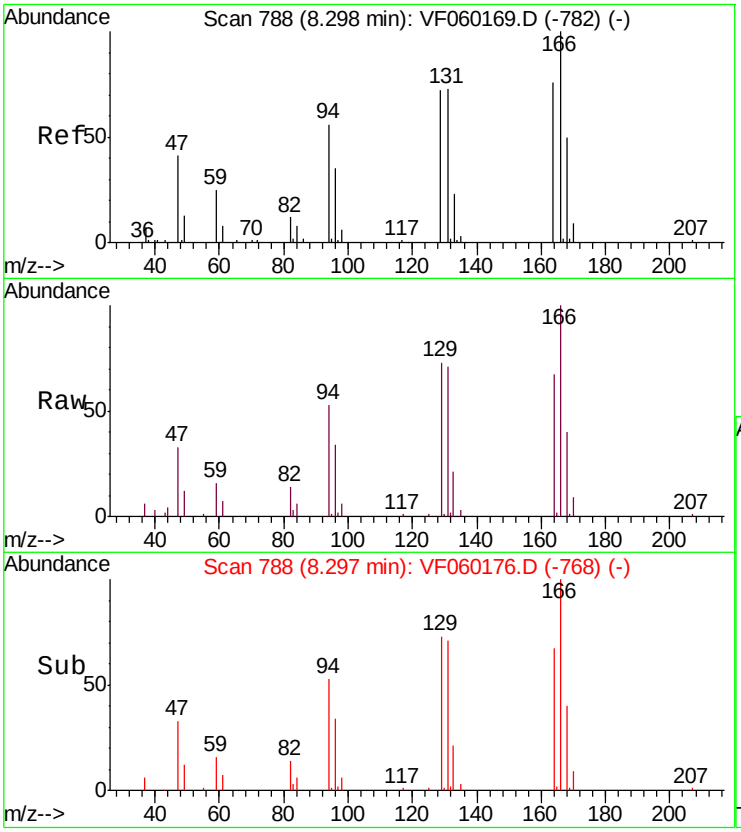




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:117 Resp: 59943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 47.2 | 70.8 |
| 119 | 31.5 | 25.0 | 37.4 |



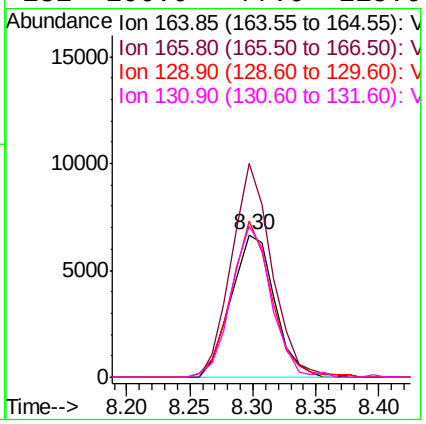


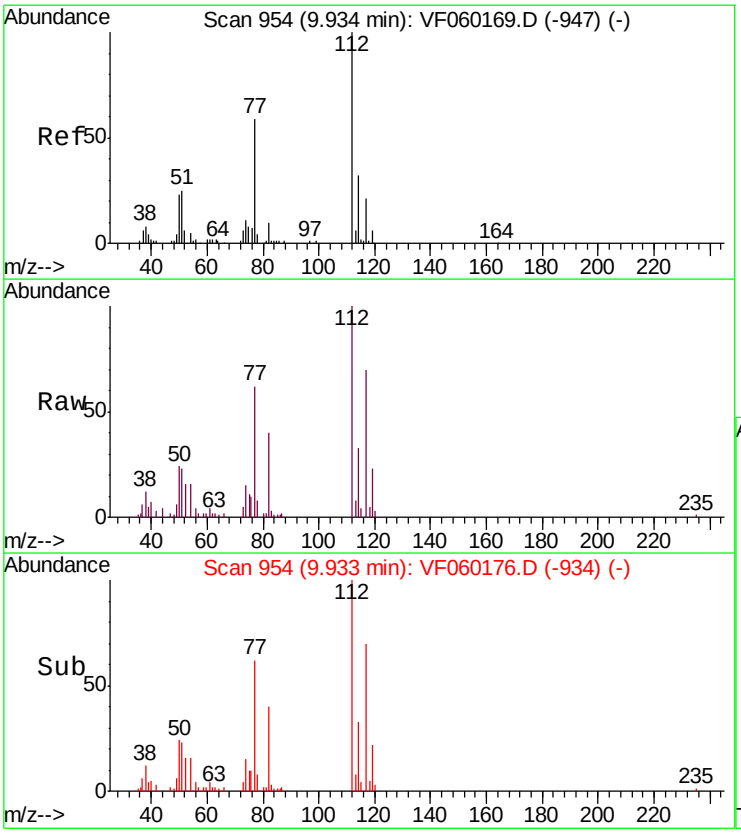

#64
Tetrachloroethene
Concen: 21.549 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:164 Resp: 15901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 149.6 | 105.2 | 157.8 |
| 129 | 109.1 | 76.2 | 114.2 |
| 131 | 106.0 | 77.0 | 115.6 |

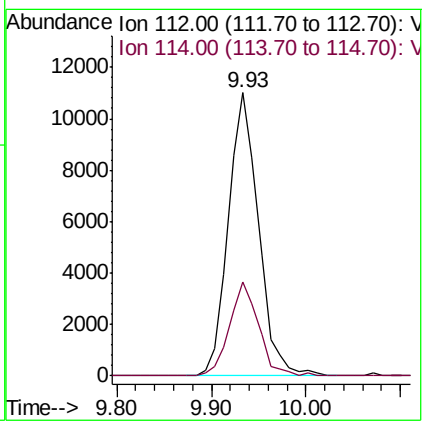


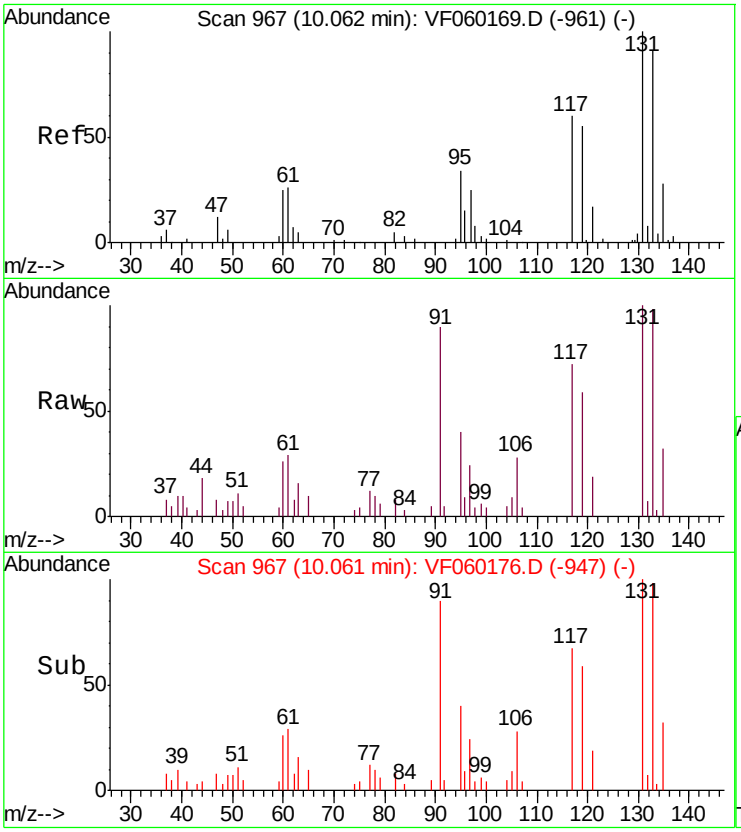




#65
Chlorobenzene
Concen: 20.206 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:112 Resp: 24299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.4 | 38.0 |



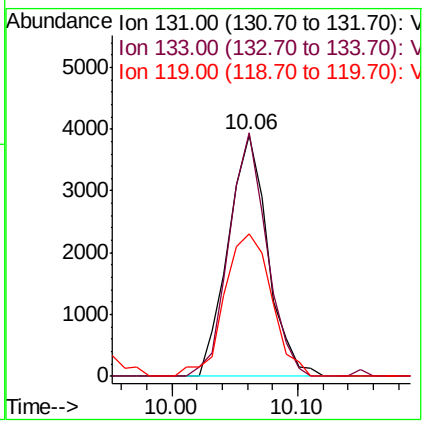


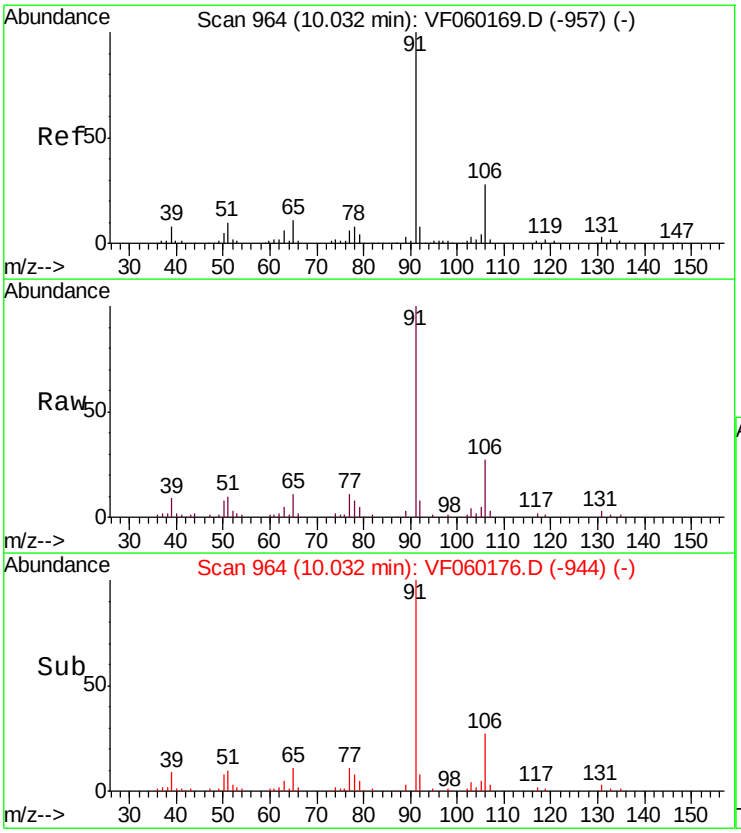

#66
1,1,1,2-Tetrachloroethane
Concen: 21.007 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:131 Resp: 8482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 100.9 | 45.7 | 137.1 |
| 119 | 59.3 | 28.1 | 84.3 |

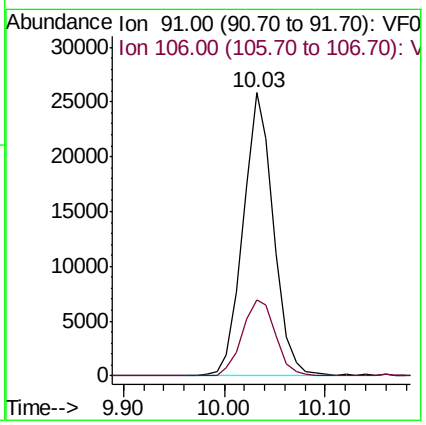


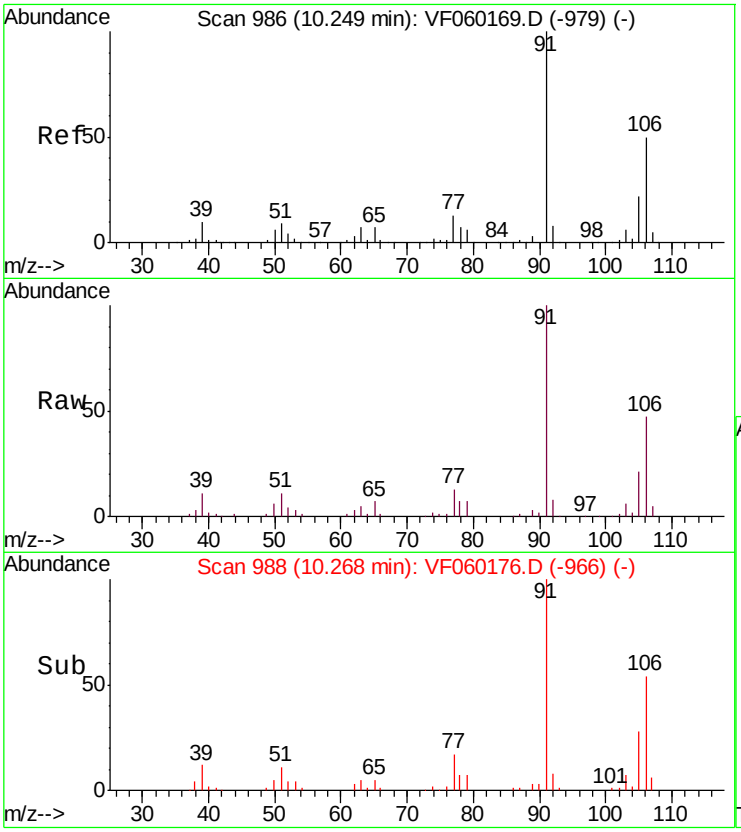




#67
Ethyl Benzene
Concen: 19.746 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 91 Resp: 54063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.8 | 22.8 | 34.2 |



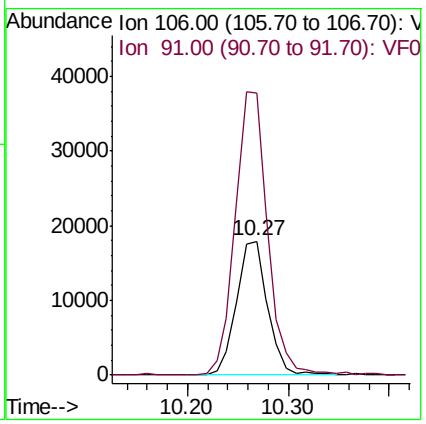


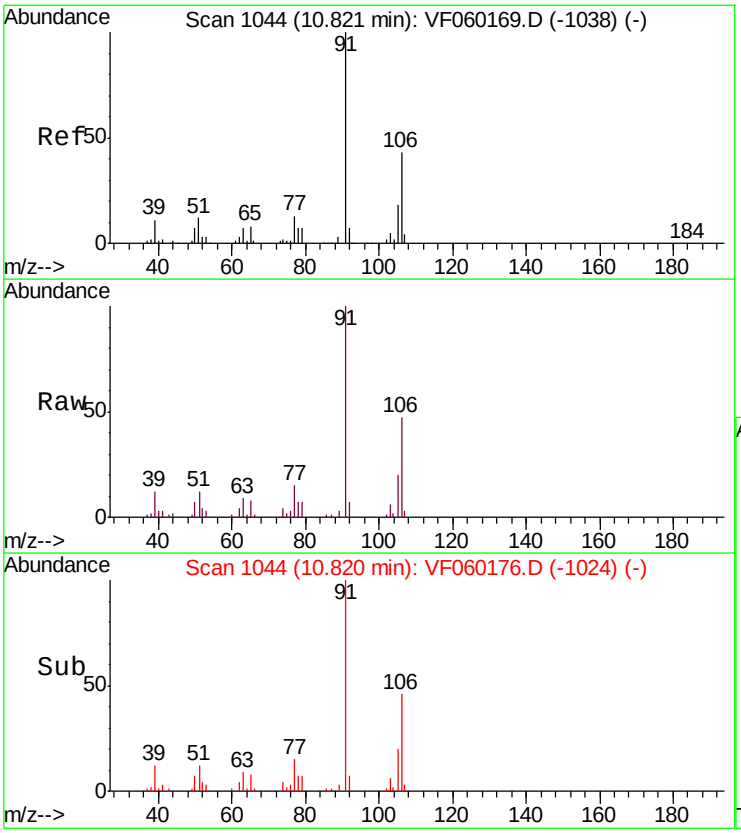

#68
m/p-Xylenes
Concen: 41.353 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:106 Resp: 38812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.7 | 161.3 | 241.9 |

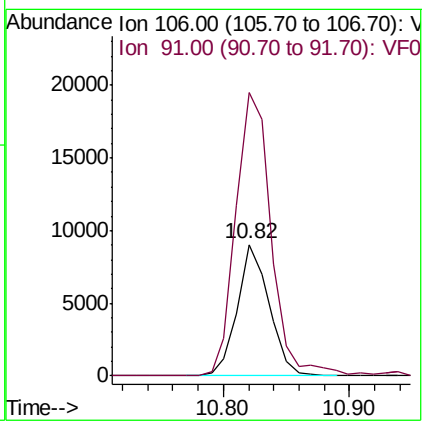


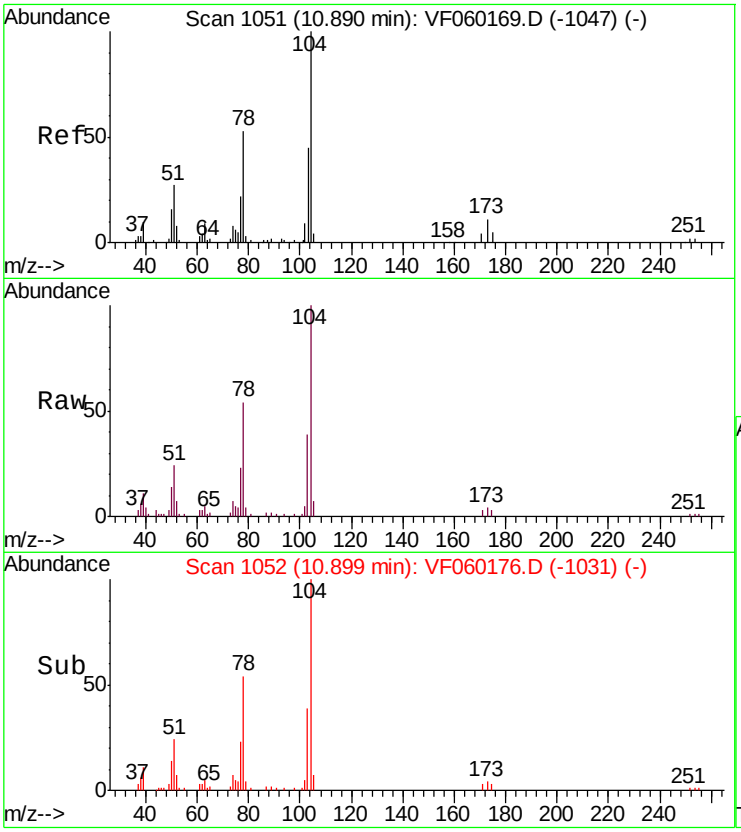




#69
o-Xylene
Concen: 19.748 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:106 Resp: 15855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.0 | 117.0 | 350.8 |



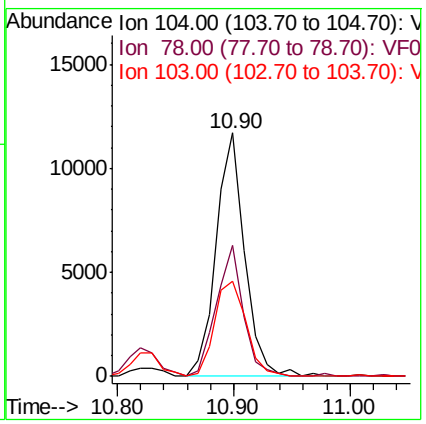


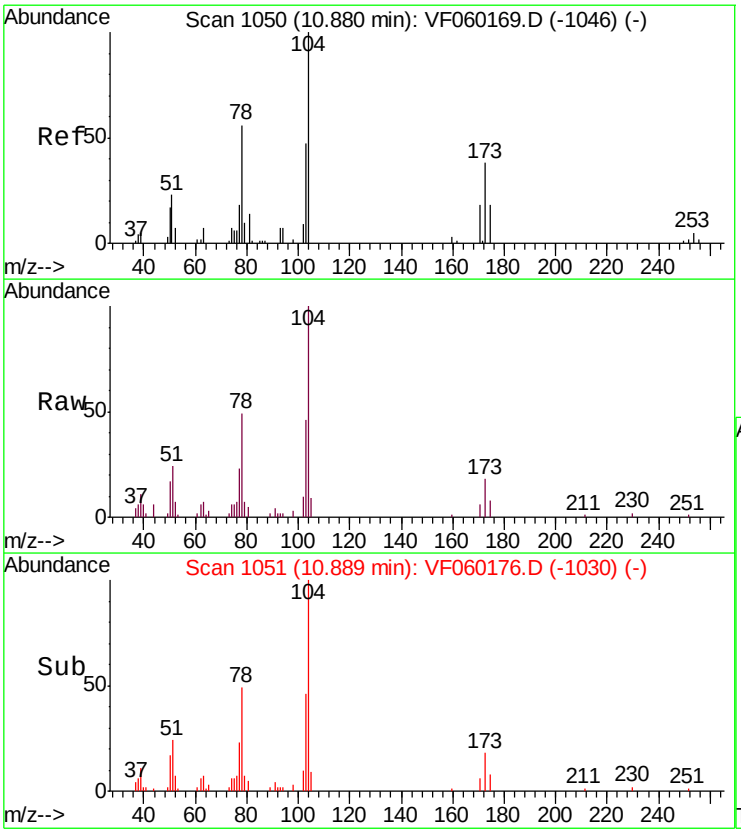

#70
Styrene
Concen: 20.079 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:104 Resp: 19923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.6 | 64.0 |
| 103 | 39.2 | 36.8 | 55.2 |

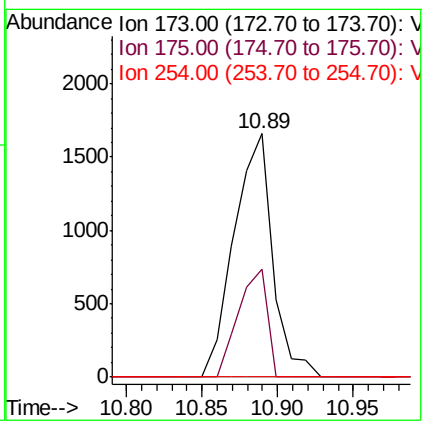


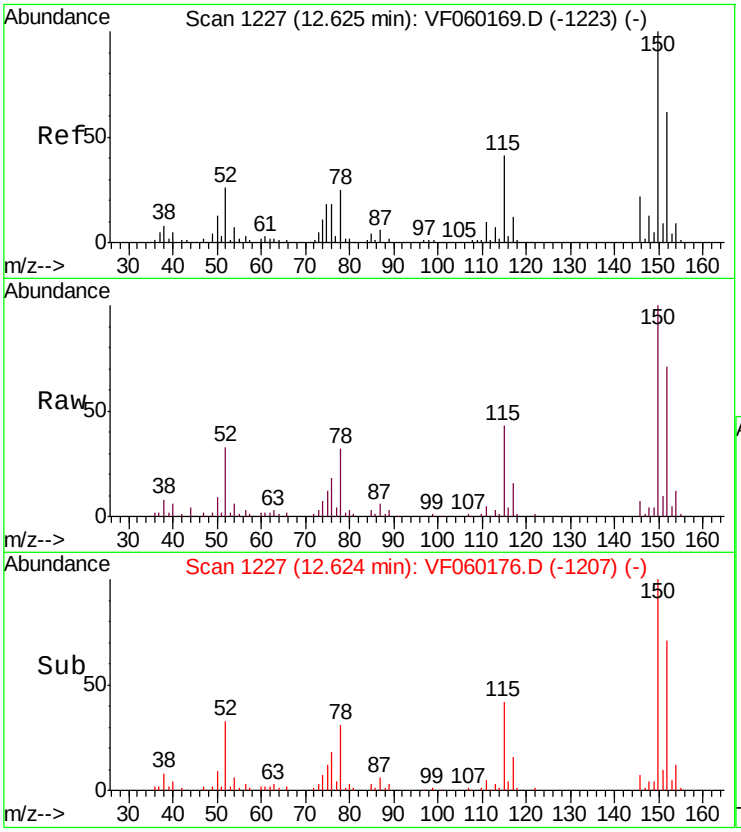




#71
Bromoform
Concen: 20.042 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:173 Resp: 2948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 44.2 | 23.8 | 71.2 |
| 254 | 0.0 | 0.0 | 0.0 |



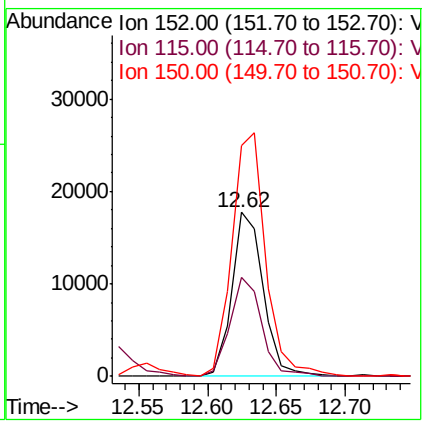


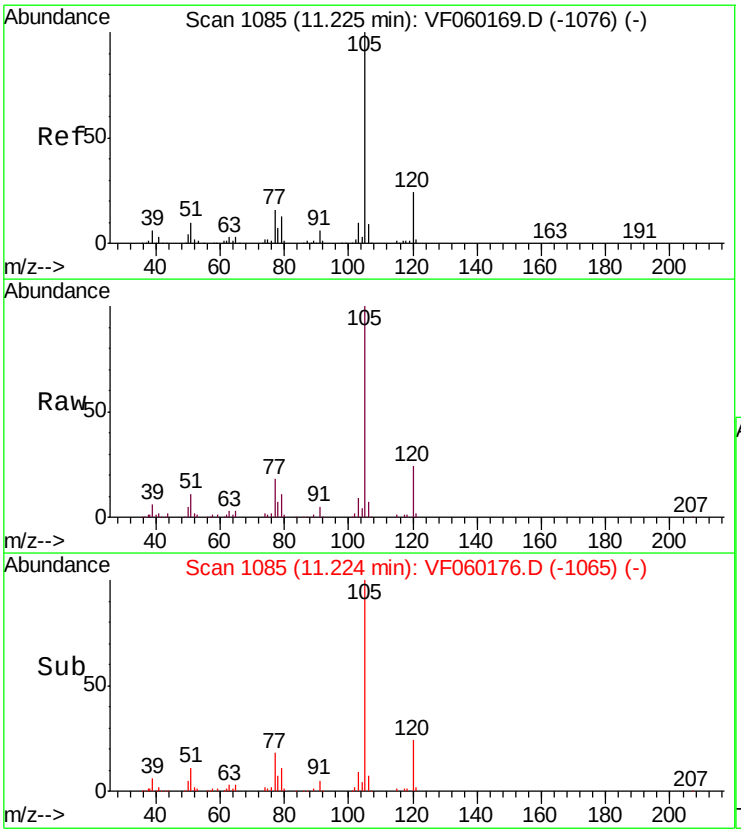

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:152 Resp: 28150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 33.2 | 99.6 |
| 150 | 140.5 | 0.0 | 325.6 |

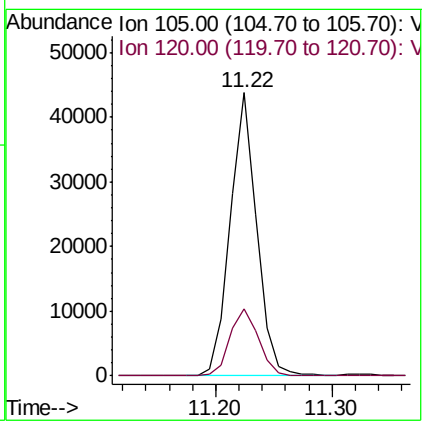


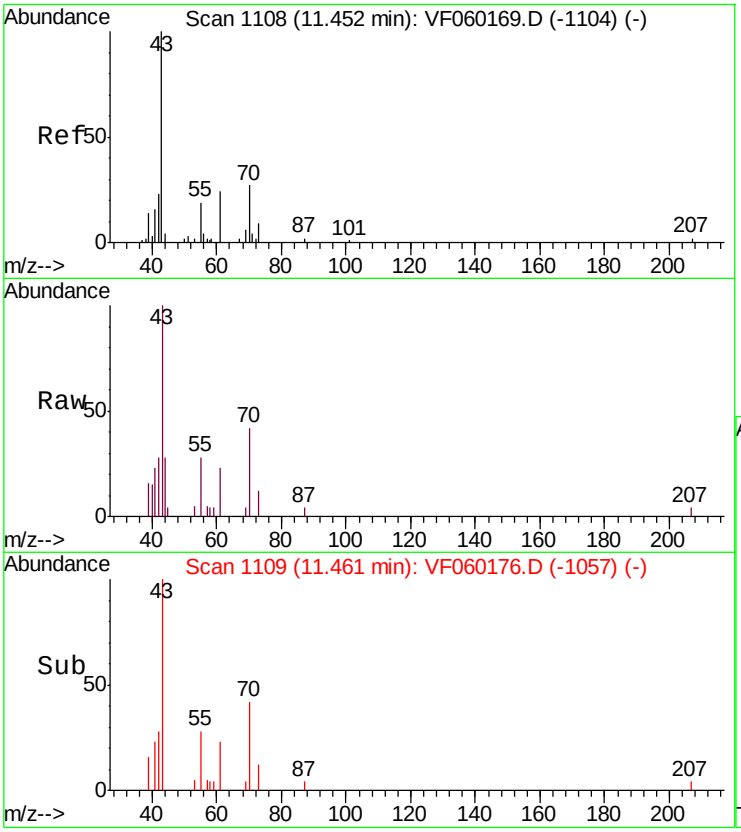




#73
Isopropylbenzene
Concen: 22.488 ug/l
RT: 11.22 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:105 Resp: 69343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.9 | 12.0 | 36.1 |



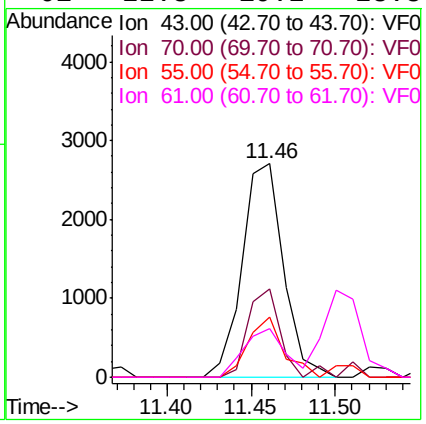


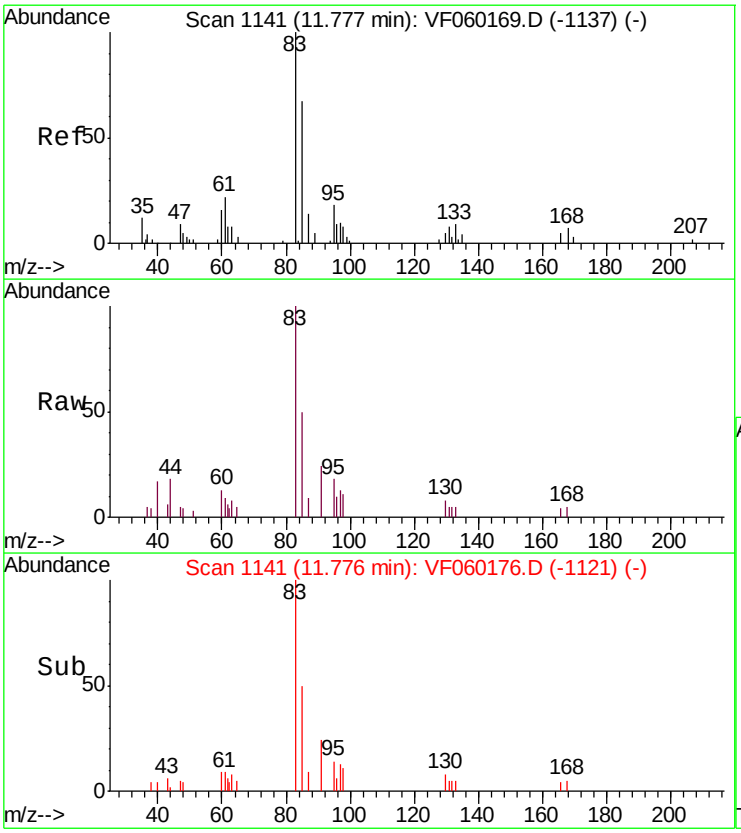

#74
N-amyl acetate
Concen: 20.016 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 43 Resp: 4620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 22.0 | 33.0# |
| 55 | 28.4 | 15.2 | 22.8# |
| 61 | 22.8 | 19.2 | 28.8 |

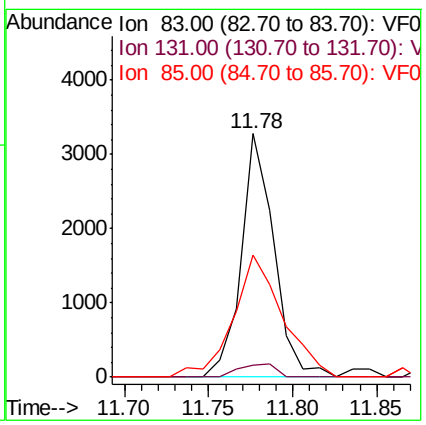


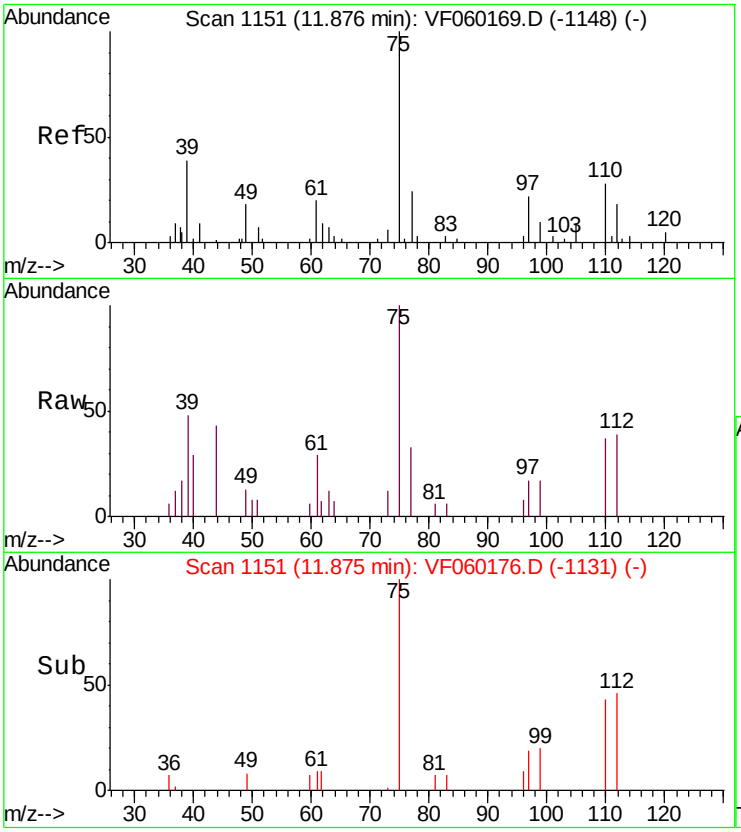




#75
1,1,2,2-Tetrachloroethane
Concen: 21.410 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 83 Resp: 4427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 5.0 | 4.0 | 12.0 |
| 85 | 49.9 | 34.9 | 104.7 |



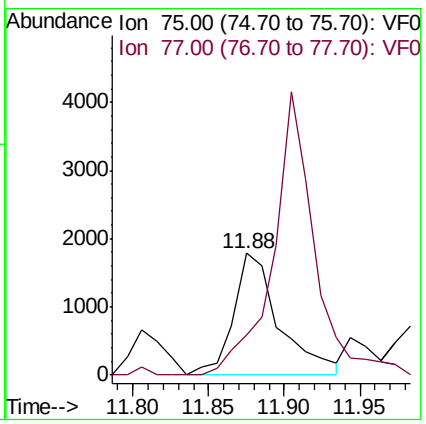


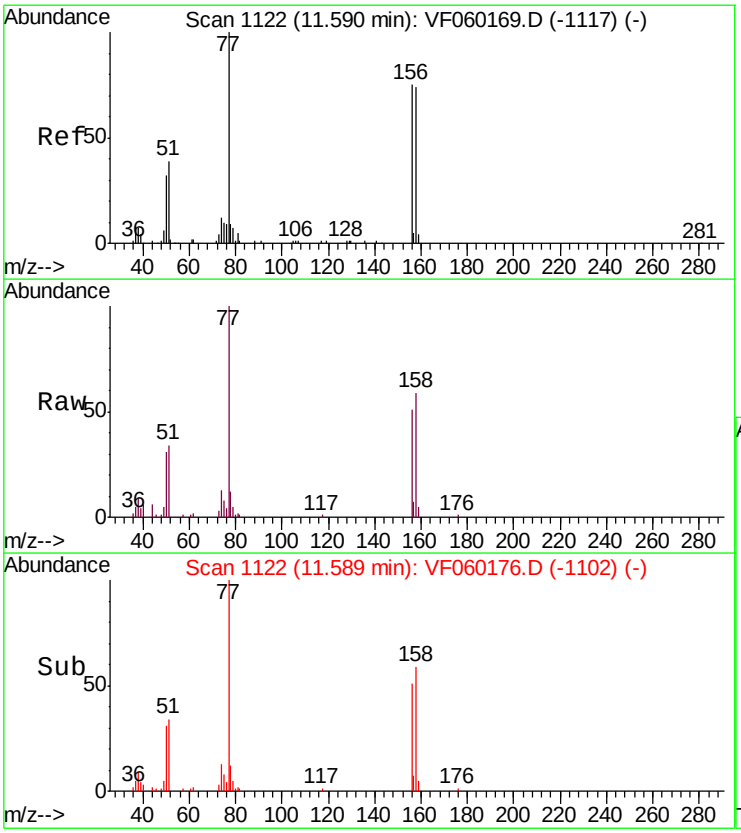

#76
1,2,3-Trichloropropane
Concen: 21.402 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 75 Resp: 3795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 12.8 | 38.3 |

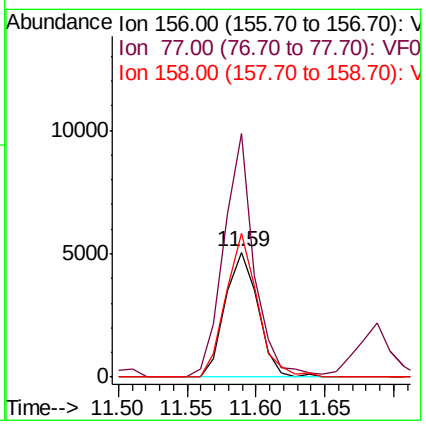


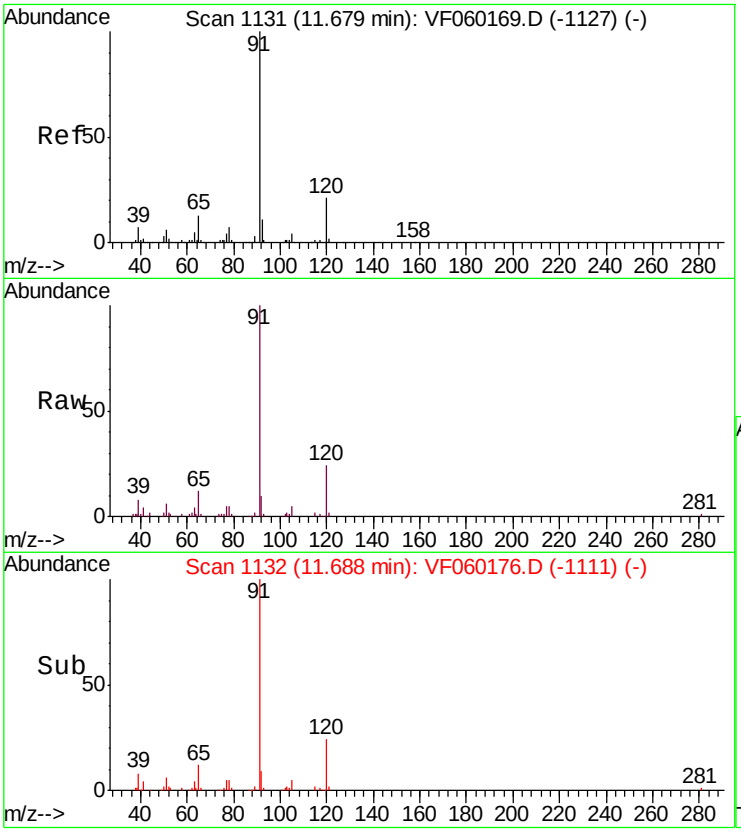




#77
Bromobenzene
Concen: 18.608 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:156 Resp: 8353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 194.5 | 66.8 | 200.6 |
| 158 | 114.5 | 49.7 | 149.1 |



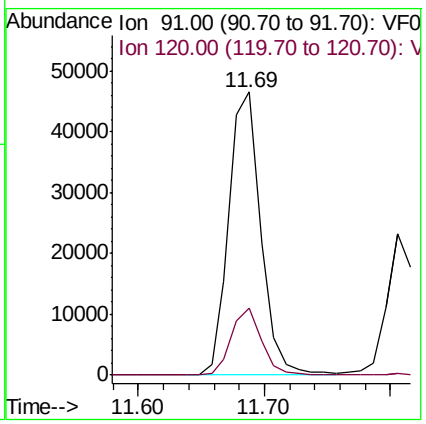


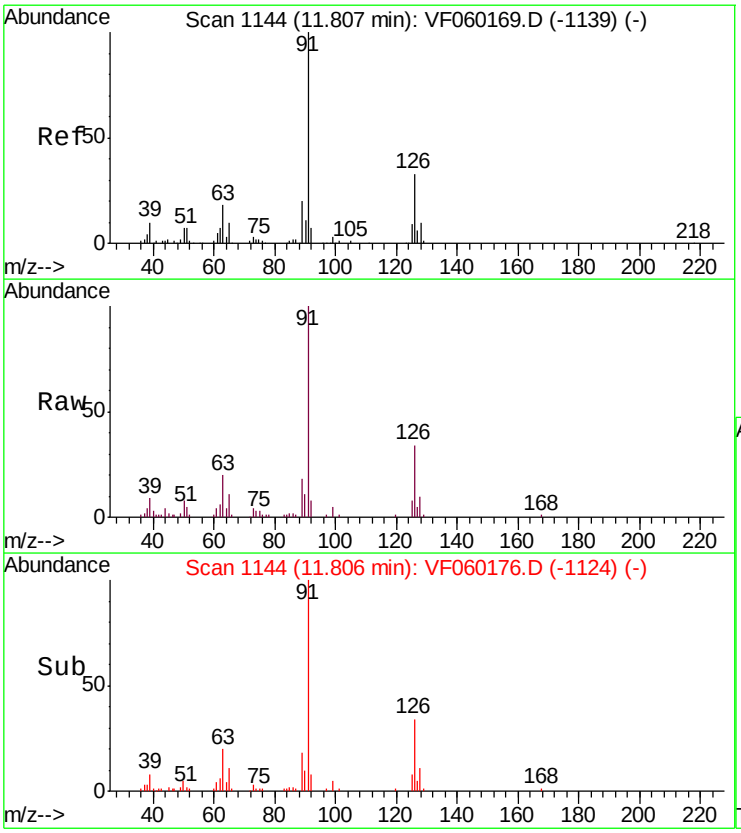

#78
n-propylbenzene
Concen: 22.062 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion: 91 Resp: 81853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.8 | 10.8 | 32.3 |

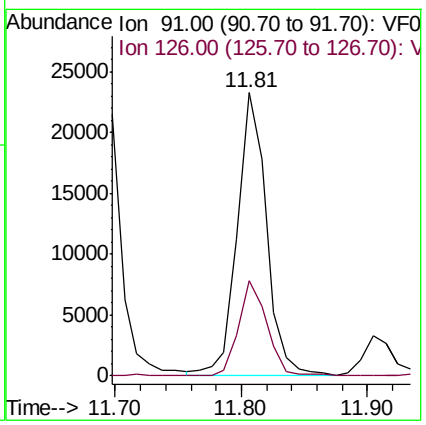


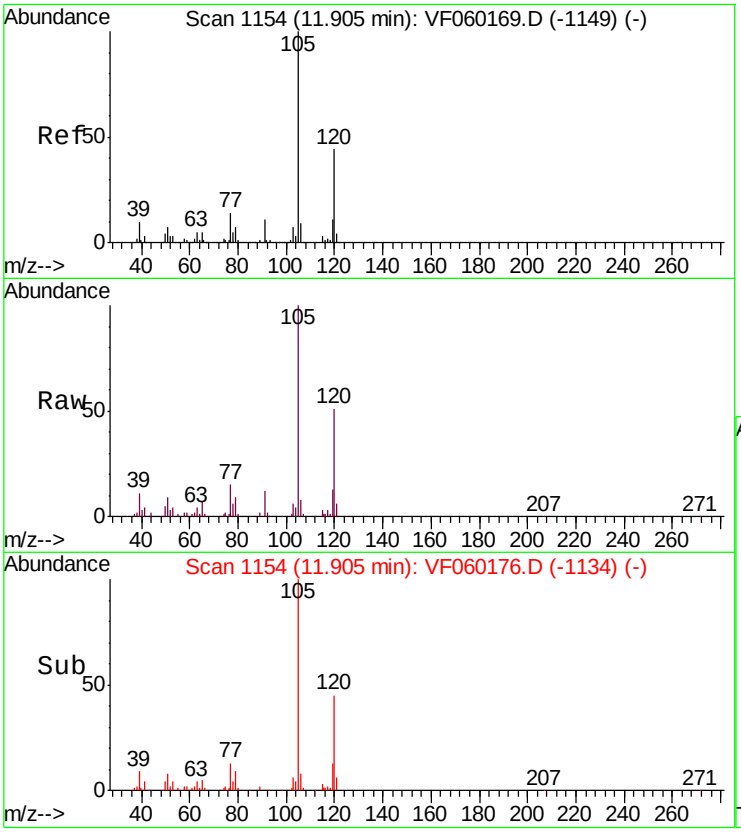




#79
2-Chlorotoluene
Concen: 21.713 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 91 Resp: 37441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.4 | 49.1 |



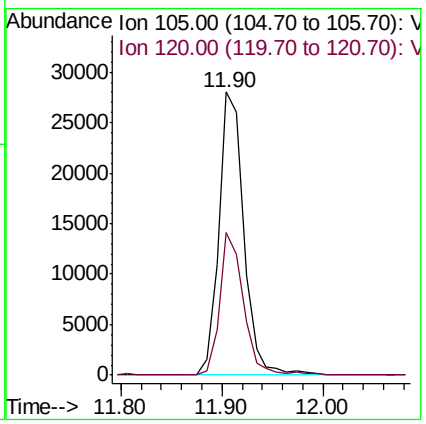


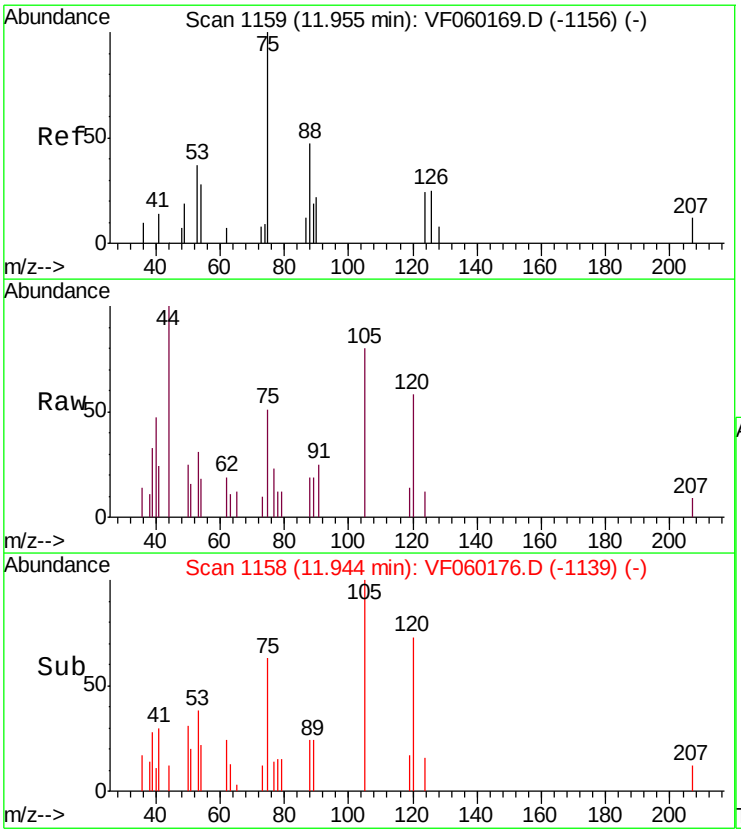

#80
1,3,5-Trimethylbenzene
Concen: 20.708 ug/l
RT: 11.90 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:105 Resp: 48378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.6 | 22.1 | 66.1 |

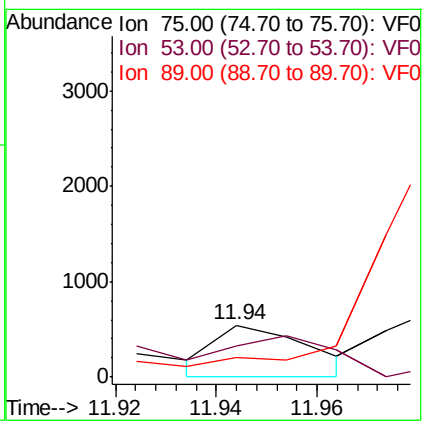


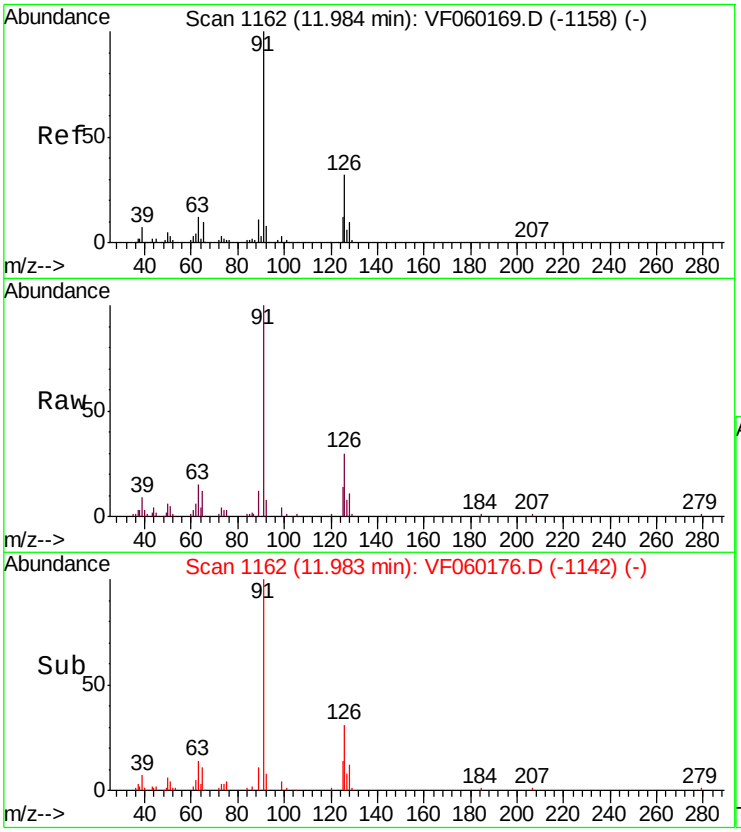




#81
trans-1,4-Dichloro-2-butene
Concen: 17.129 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 75 Resp: 700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 60.5 | 53.4 | 80.0 |
| 89 | 37.7 | 28.9 | 43.3 |



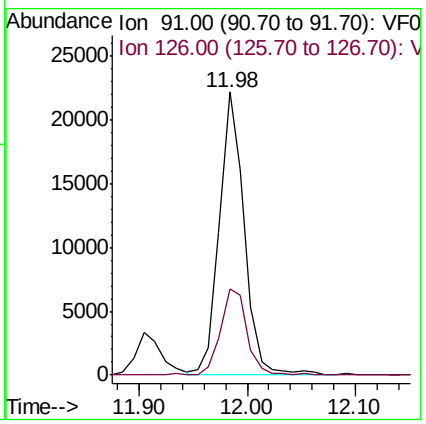


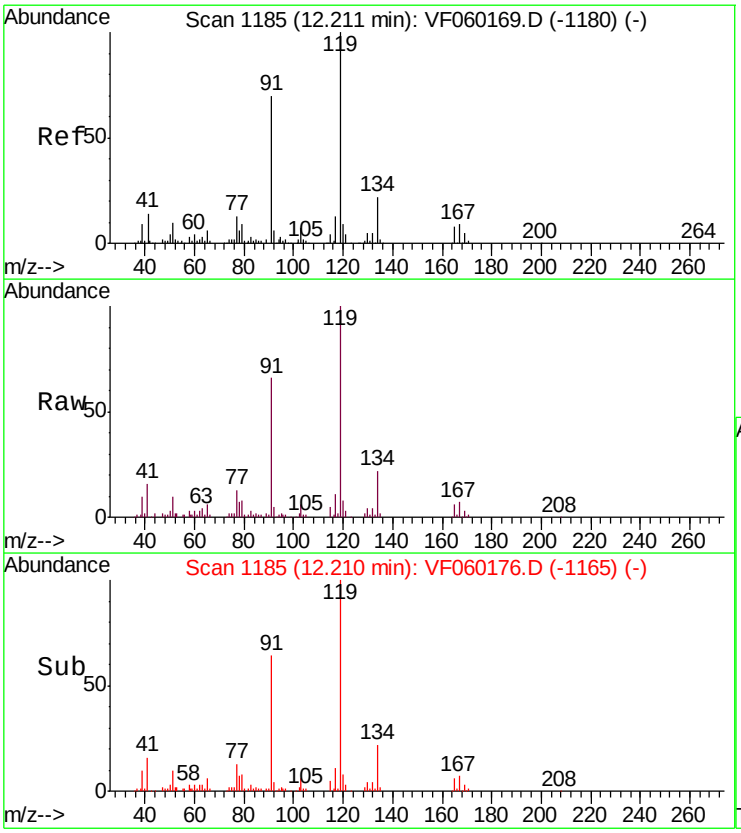

#82
4-Chlorotoluene
Concen: 20.924 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 91 Resp: 35397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.3 | 16.1 | 48.2 |

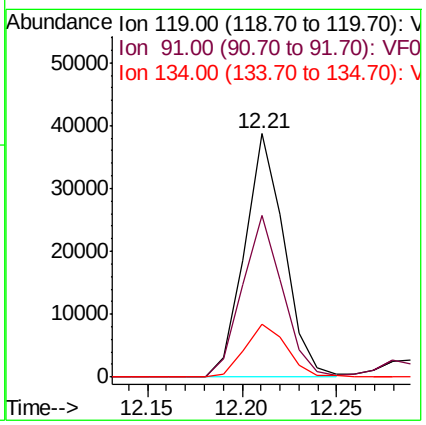


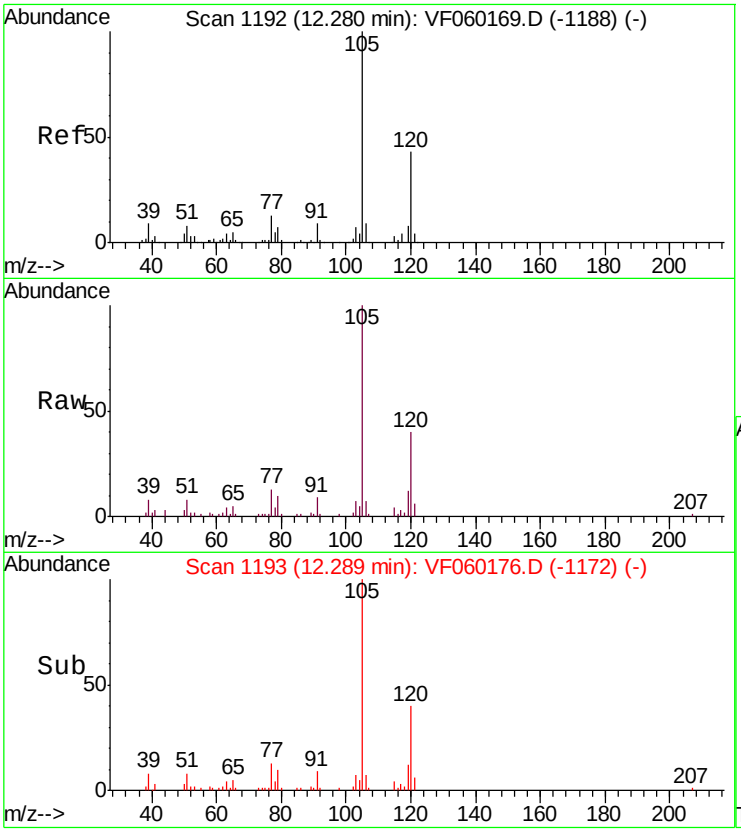




#83
tert-Butylbenzene
Concen: 23.064 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:119 Resp: 56463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.4 | 35.3 | 105.7 |
| 134 | 21.9 | 11.2 | 33.5 |



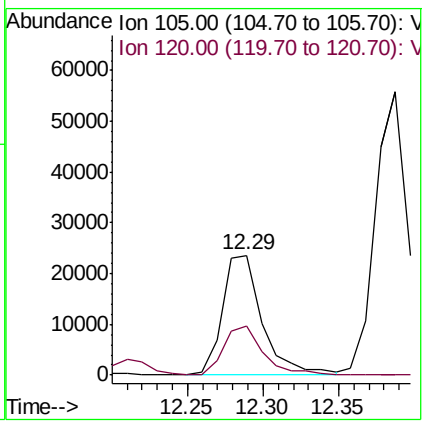


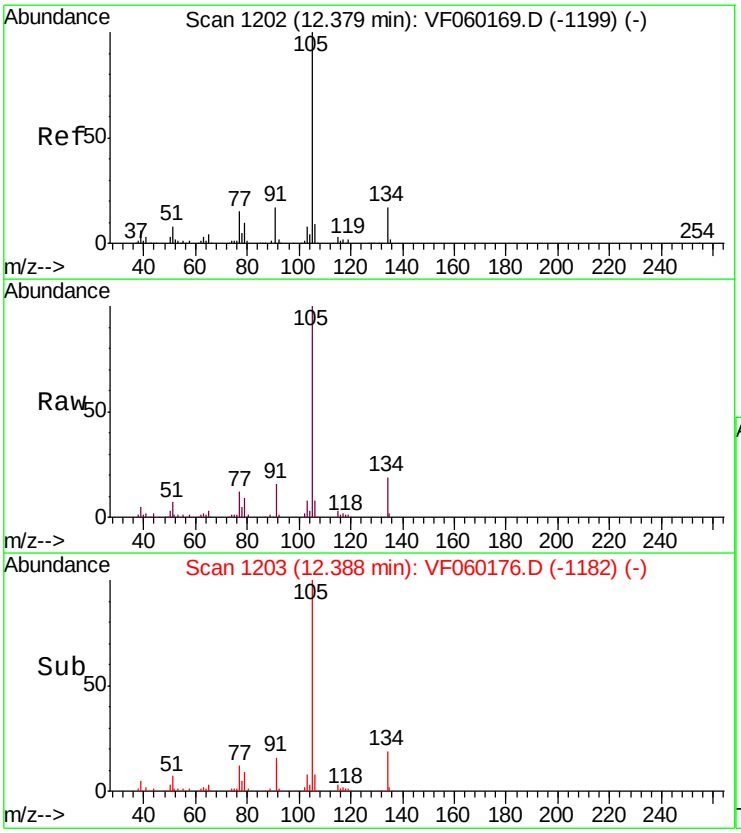

#84
1,2,4-Trimethylbenzene
Concen: 21.819 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:105 Resp: 43381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.5 | 21.9 | 65.7 |

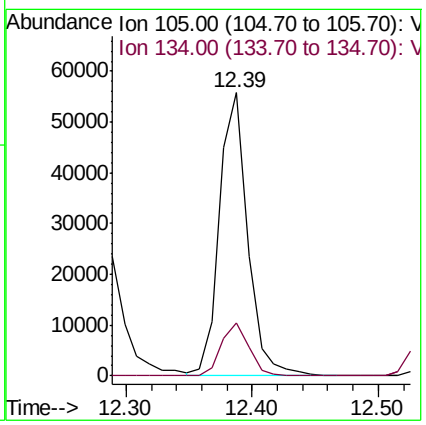


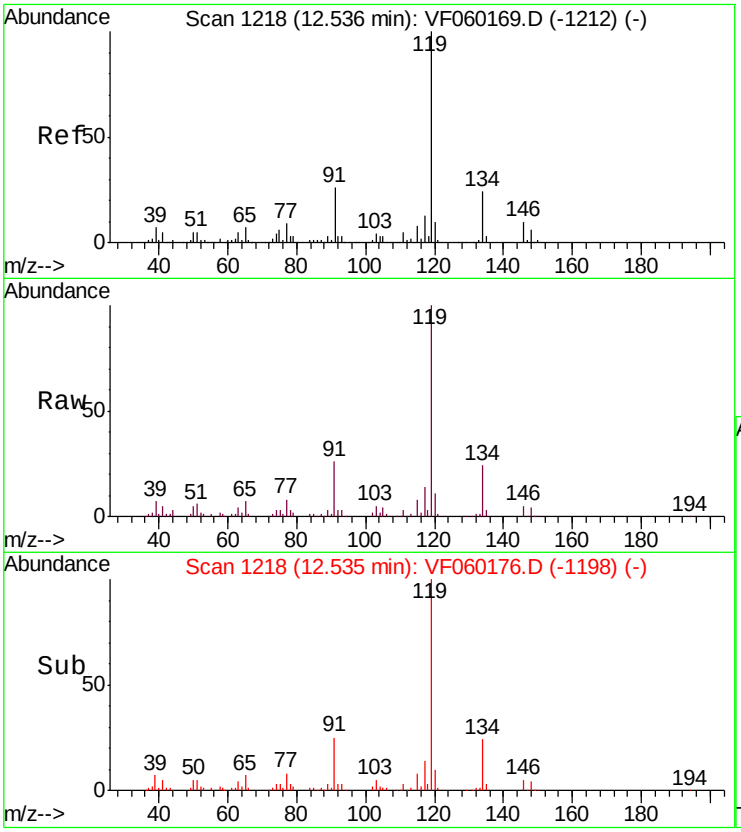




#85
sec-Butylbenzene
Concen: 23.651 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:105 Resp: 86678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.9 | 8.4 | 25.2 |



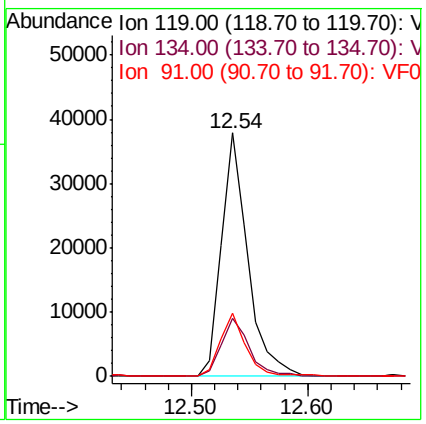


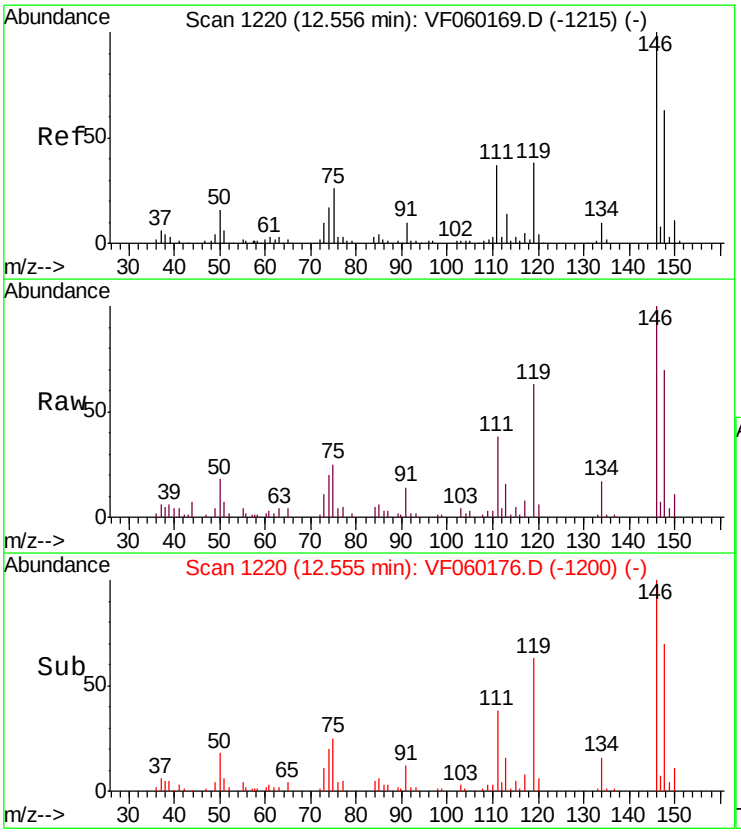

#86
p-Isopropyltoluene
Concen: 21.799 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:119 Resp: 59283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 23.7 | 11.9 | 35.9 |
| 91 | 25.8 | 13.0 | 39.0 |

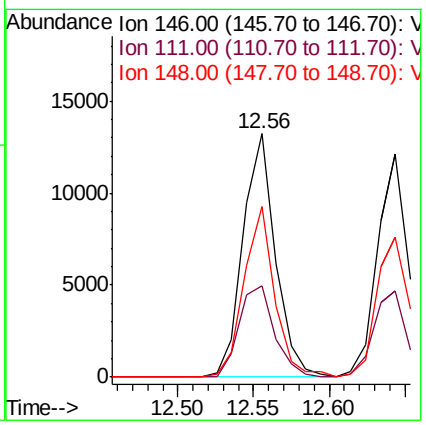


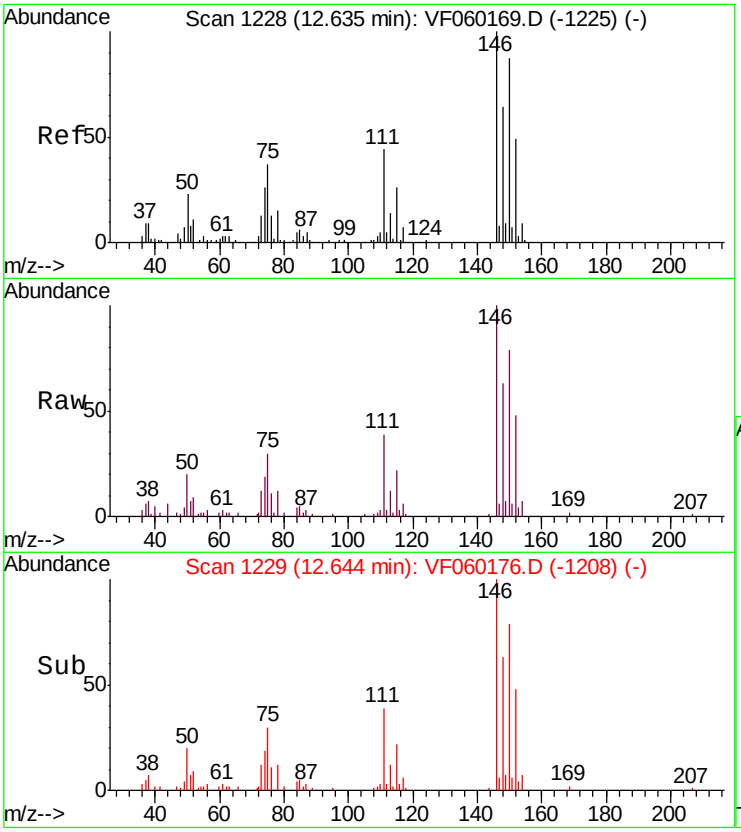




#87
1,3-Dichlorobenzene
Concen: 20.569 ug/l
RT: 12.56 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:146 Resp: 19740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.5 | 18.8 | 56.3 |
| 148 | 70.2 | 31.6 | 94.8 |



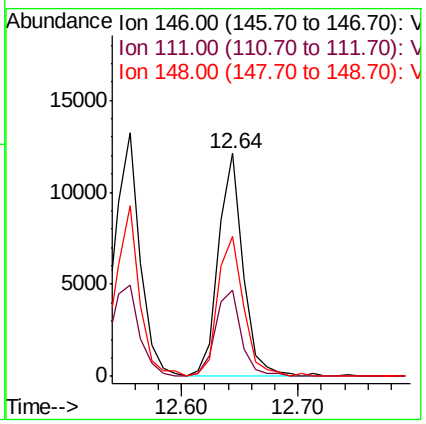


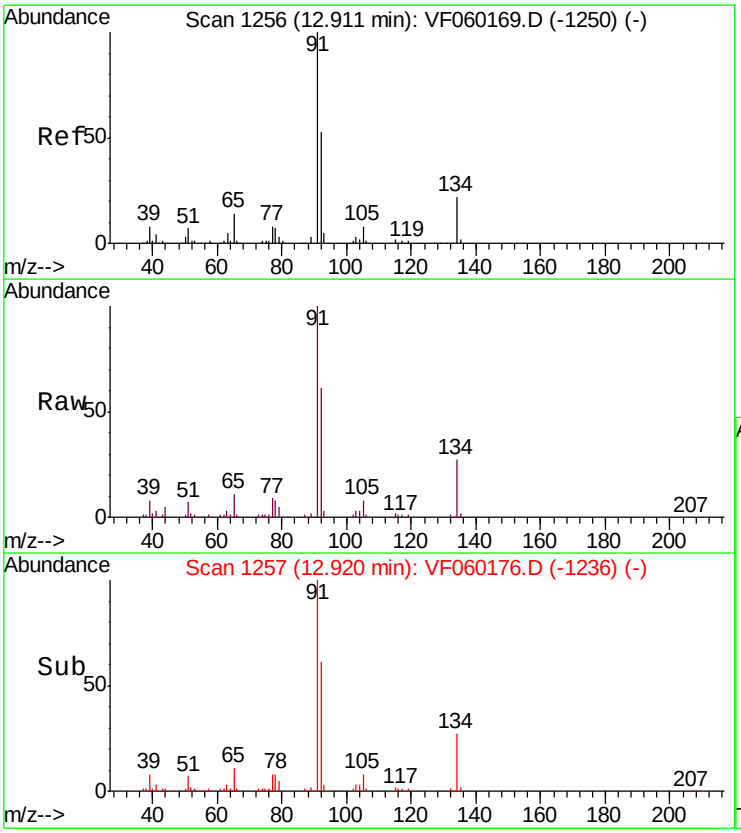

#88
1,4-Dichlorobenzene
Concen: 20.633 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:146 Resp: 17858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.6 | 22.1 | 66.3 |
| 148 | 62.8 | 32.0 | 96.2 |

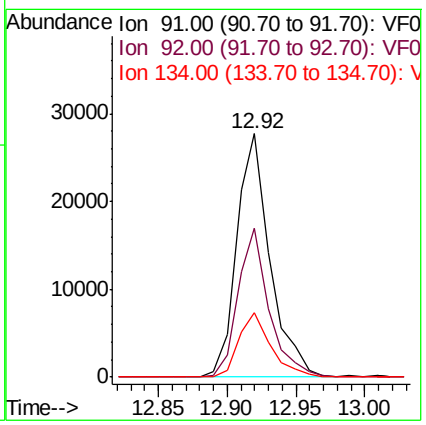


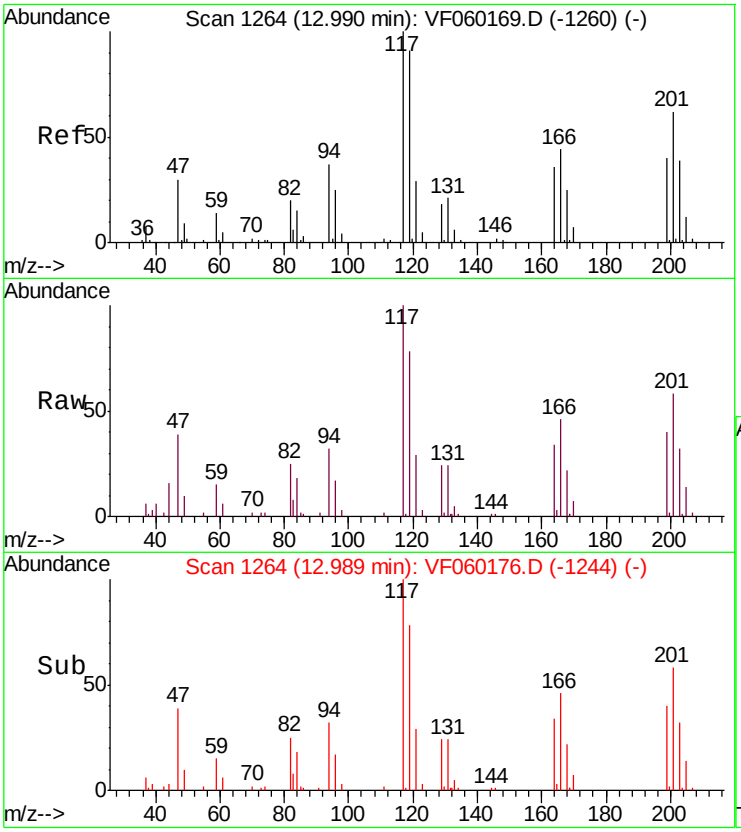




#89
n-Butylbenzene
Concen: 20.013 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 91 Resp: 46642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.0 | 26.7 | 80.0 |
| 134 | 26.6 | 11.0 | 33.0 |



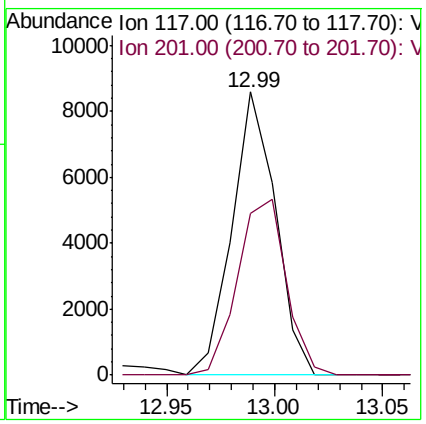


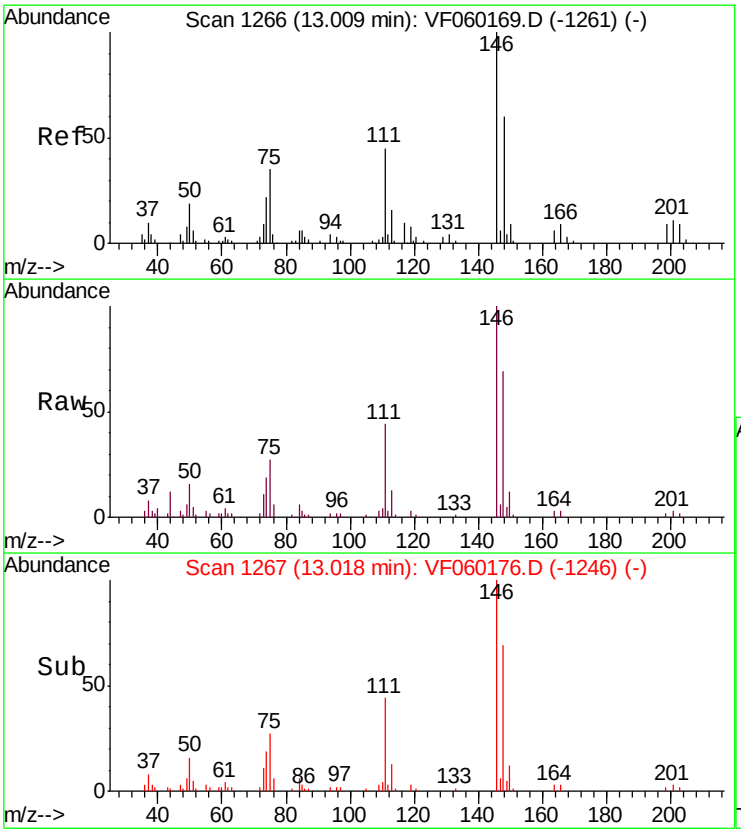

#90
Hexachloroethane
Concen: 20.745 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:117 Resp: 12101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 57.3 | 32.0 | 96.2 |

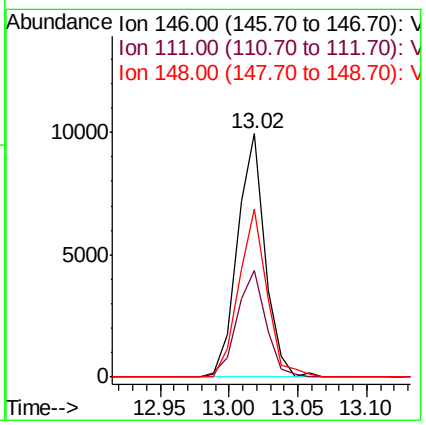


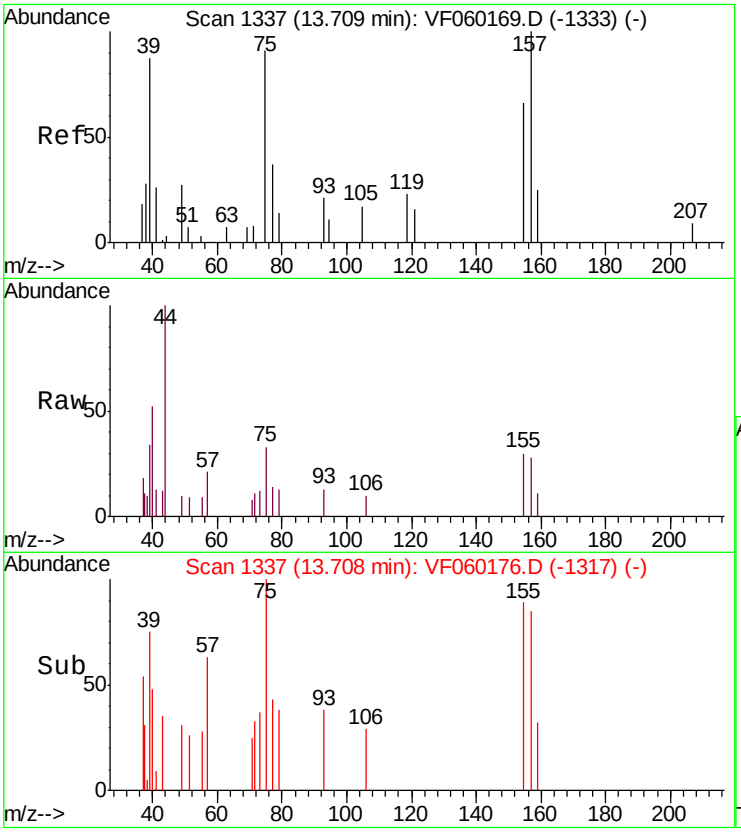




#91
1,2-Dichlorobenzene
Concen: 18.736 ug/l
RT: 13.02 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:146 Resp: 13899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 22.7 | 68.1 |
| 148 | 69.0 | 30.0 | 90.1 |



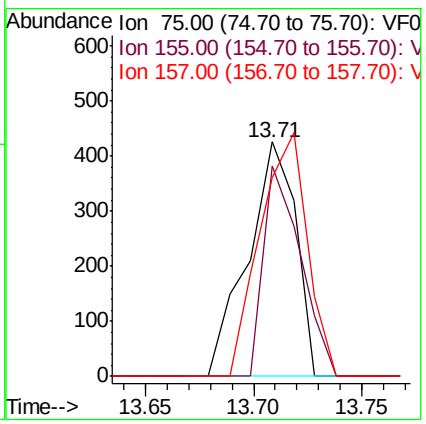


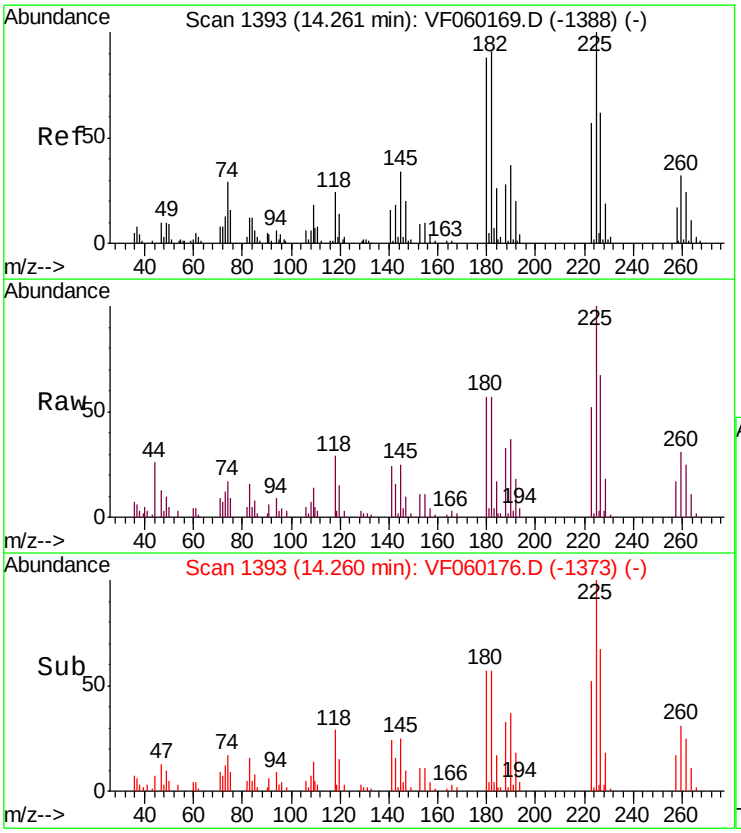

#92
1,2-Dibromo-3-Chloropropane
Concen: 18.463 ug/l
RT: 13.71 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion: 75 Resp: 654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 89.4 | 36.0 | 108.0 |
| 157 | 84.7 | 54.9 | 164.5 |

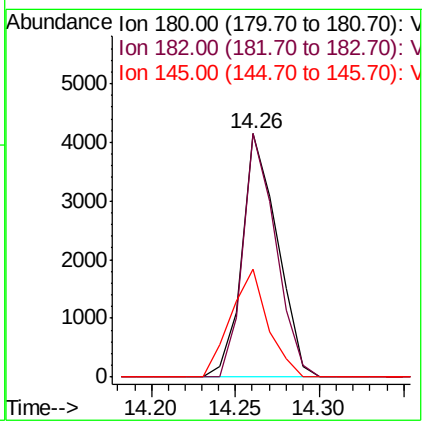


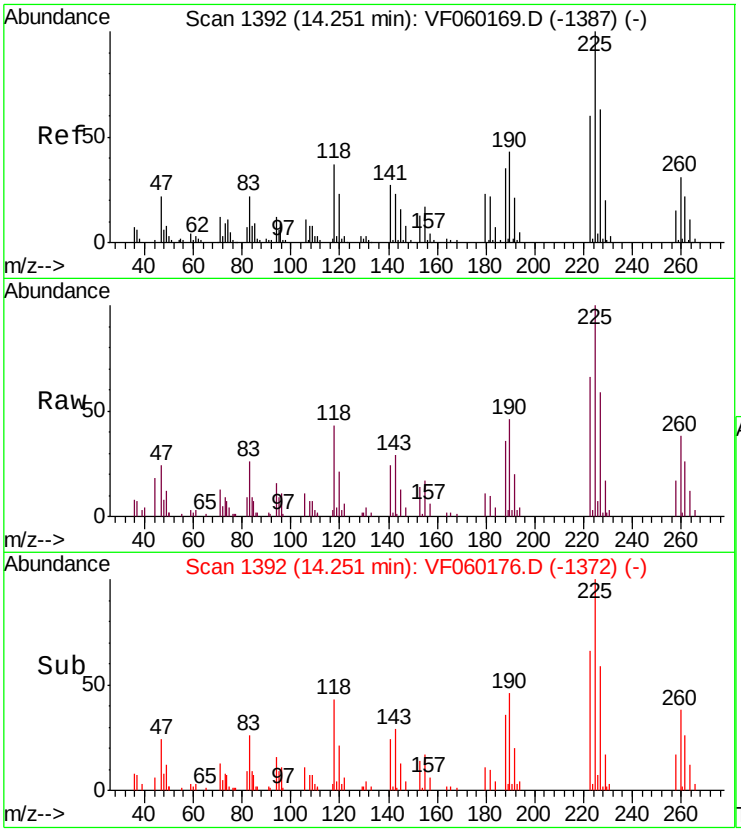




#93
1,2,4-Trichlorobenzene
Concen: 18.981 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:180 Resp: 6036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.1 | 51.8 | 155.5 |
| 145 | 44.4 | 19.3 | 57.9 |



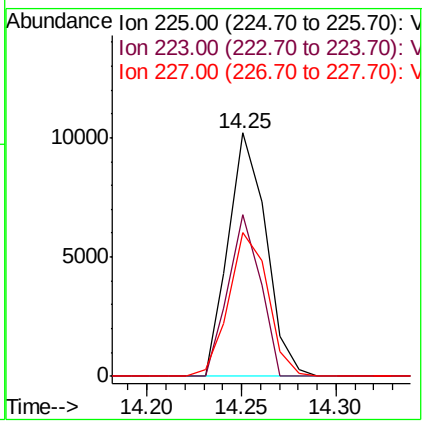


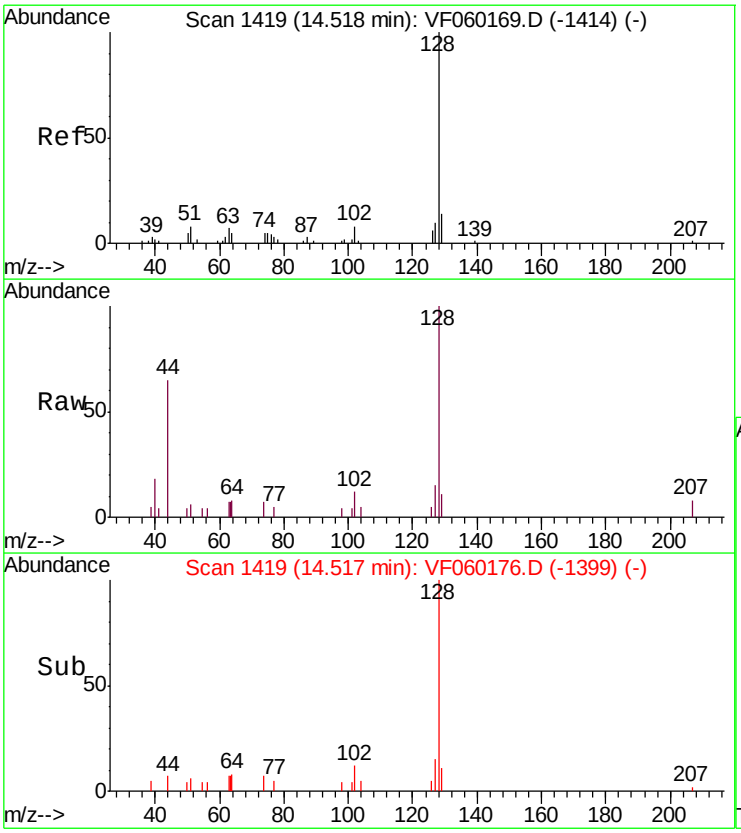

#94
Hexachlorobutadiene
Concen: 21.415 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :** MSVOA_F
**ClientSampleId :** VF0829SBSD01

Tgt Ion:225 Resp: 14056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.5 | 30.0 | 90.0 |
| 227 | 58.8 | 31.4 | 94.2 |

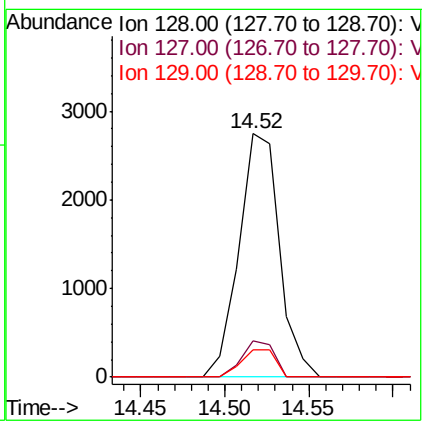


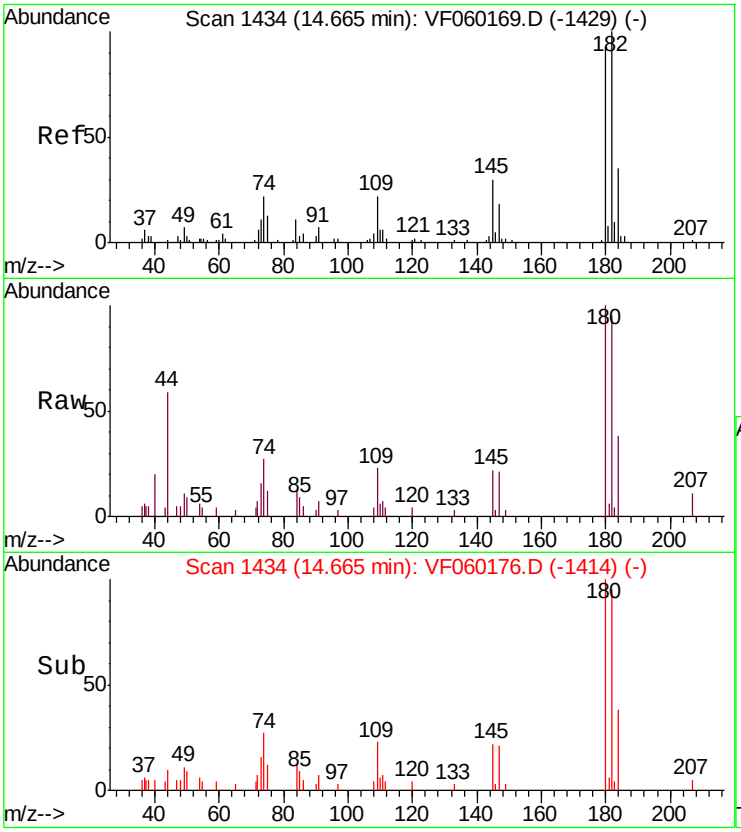




#95
Naphthalene
Concen: 20.188 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion:128 Resp: 4572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.1 | 8.3 | 12.5# |
| 129 | 11.0 | 11.5 | 17.3# |






#96
1,2,3-Trichlorobenzene
Concen: 17.935 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0829SBSD01

Tgt Ion:180 Resp: 4368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.5 | 53.6 | 160.8 |
| 145 | 25.3 | 16.2 | 48.6 |