Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110618\
Data File : VF060610.D
Acq On : 6 Nov 2018 12:45
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 06 14:16:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.89 | 168 | 264729 | 50.00 | ug/l | | 0.03 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 434362 | 50.00 | ug/l | | 0.02 |
| 63) Chlorobenzene-d5 | 9.80 | 117 | 396915 | 50.00 | ug/l | | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.57 | 152 | 214588 | 50.00 | ug/l | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 132890 | 49.68 | ug/l | | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 99.36% | | | | |
| 35) Dibromofluoromethane | 4.13 | 113 | 166978 | 49.76 | ug/l | | 0.03 |
| Spiked Amount 50.000 | | | Recovery = 99.52% | | | | |
| 50) Toluene-d8 | 7.58 | 98 | 494003 | 49.69 | ug/l | | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 99.38% | | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 228017 | 52.44 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.88% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.97 | 85 | 144902 | 52.592 | ug/l | | 94 |
| 3) Chloromethane | 1.10 | 50 | 119590 | 51.617 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.15 | 62 | 104185 | 48.800 | ug/l | | 93 |
| 5) Bromomethane | 1.31 | 94 | 59544 | 49.687 | ug/l | | 94 |
| 6) Chloroethane | 1.37 | 64 | 42054 | 54.985 | ug/l | | 99 |
| 7) Trichlorofluoromethane | 1.49 | 101 | 211646 | 52.966 | ug/l | | 98 |
| 8) Diethyl Ether | 1.64 | 74 | 31467 | 42.489 | ug/l | | 94 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83 | 101 | 111494 | 48.828 | ug/l | | 95 |
| 10) Methyl Iodide | 1.89 | 142 | 178898 | 47.610 | ug/l | | 93 |
| 11) Tert butyl alcohol | 2.58 | 59 | 28594 | 202.851 | ug/l | # | 83 |
| 12) 1,1-Dichloroethene | 1.79 | 96 | 92912 | 48.312 | ug/l | | 94 |
| 13) Acrolein | 2.00 | 56 | 19657 | 220.025 | ug/l | | 98 |
| 14) Allyl chloride | 2.10 | 41 | 164574 | 52.408 | ug/l | | 97 |
| 15) Acrylonitrile | 2.95 | 53 | 73217 | 229.684 | ug/l | | 94 |
| 16) Acetone | 2.24 | 43 | 140406 | 222.770 | ug/l | | 94 |
| 17) Carbon Disulfide | 1.82 | 76 | 262505 | 48.457 | ug/l | | 98 |
| 18) Methyl Acetate | 2.35 | 43 | 50983 | 52.056 | ug/l | | 94 |
| 19) Methyl tert-butyl Ether | 2.44 | 73 | 216761 | 48.215 | ug/l | | 98 |
| 20) Methylene Chloride | 2.19 | 84 | 44962 | 20.877 | ug/l | | 89 |
| 21) trans-1,2-Dichloroethene | 2.32 | 96 | 99132 | 49.133 | ug/l | | 97 |
| 22) Diisopropyl ether | 2.81 | 45 | 328297 | 49.344 | ug/l | | 98 |
| 23) Vinyl Acetate | 3.20 | 43 | 816412 | 204.231 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 2.88 | 63 | 192049 | 49.876 | ug/l | | 97 |
| 25) 2-Butanone | 4.35 | 43 | 268483 | 223.027 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 3.61 | 77 | 143542 | 49.821 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 3.49 | 96 | 178926 | 46.454 | ug/l | | 98 |
| 28) Bromochloromethane | 3.73 | 49 | 116236 | 48.102 | ug/l | | 97 |
| 29) Tetrahydrofuran | 4.08 | 42 | 109365 | 233.802 | ug/l | | 98 |
| 30) Chloroform | 3.88 | 83 | 301658 | 49.518 | ug/l | | 98 |
| 31) Cyclohexane | 3.71 | 56 | 248931 | 46.848 | ug/l | | 97 |
| 32) 1,1,1-Trichloroethane | 4.11 | 97 | 234470 | 55.108 | ug/l | | 99 |
| 36) 1,1-Dichloropropene | 4.30 | 75 | 225808 | 47.214 | ug/l | | 100 |
| 37) Ethyl Acetate | 4.12 | 43 | 97981 | 42.678 | ug/l | # | 78 |
| 38) Carbon Tetrachloride | 4.01 | 117 | 250261 | 61.237 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110618\
Data File : VF060610.D
Acq On : 6 Nov 2018 12:45
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 06 14:16:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.47 | 83 | 287889 | 49.326 ug/l | 98 |
| 40) Benzene | 4.65 | 78 | 549052 | 47.295 ug/l | 99 |
| 41) Methacrylonitrile | 4.76 | 41 | 57879 | 44.517 ug/l | 97 |
| 42) 1,2-Dichloroethane | 4.96 | 62 | 163252 | 48.996 ug/l | 97 |
| 43) Isopropyl Acetate | 6.97 | 43 | 122984 | 42.349 ug/l # | 98 |
| 44) Trichloroethene | 5.52 | 130 | 164737 | 47.216 ug/l | 97 |
| 45) 1,2-Dichloropropane | 6.25 | 63 | 150373 | 50.646 ug/l | 98 |
| 46) Dibromomethane | 6.11 | 93 | 94162 | 49.990 ug/l | 96 |
| 47) Bromodichloromethane | 6.40 | 83 | 222247 | 48.918 ug/l | 100 |
| 48) Methyl methacrylate | 6.73 | 41 | 77451 | 42.435 ug/l | 96 |
| 49) 1,4-Dioxane | 6.72 | 88 | 15564 | 815.175 ug/l # | 87 |
| 51) 4-Methyl-2-Pentanone | 8.28 | 43 | 423119 | 216.665 ug/l | 100 |
| 52) Toluene | 7.65 | 92 | 354924 | 46.934 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 8.30 | 75 | 179020 | 45.337 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 7.32 | 75 | 245334 | 49.174 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 8.50 | 97 | 105655 | 48.012 ug/l | 97 |
| 56) Ethyl methacrylate | 8.64 | 69 | 123209 | 43.517 ug/l | 95 |
| 57) 1,3-Dichloropropane | 8.87 | 76 | 183369 | 47.489 ug/l | 97 |
| 58) 2-Chloroethyl Vinyl ether | 7.65 | 63 | 48111 | 267.080 ug/l | 100 |
| 59) 2-Hexanone | 9.51 | 43 | 297725 | 227.988 ug/l | 99 |
| 60) Dibromochloromethane | 8.73 | 129 | 151690 | 49.288 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.01 | 107 | 112008 | 48.401 ug/l | 93 |
| 64) Tetrachloroethene | 8.17 | 164 | 142105 | 45.683 ug/l | 96 |
| 65) Chlorobenzene | 9.82 | 112 | 380208 | 46.842 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 9.95 | 131 | 158404 | 46.186 ug/l | 97 |
| 67) Ethyl Benzene | 9.91 | 91 | 694492 | 47.149 ug/l | 98 |
| 68) m/p-Xylenes | 10.15 | 106 | 495668 | 89.334 ug/l | 97 |
| 69) o-Xylene | 10.73 | 106 | 280882 | 46.361 ug/l | 99 |
| 70) Styrene | 10.80 | 104 | 403762 | 46.000 ug/l | 97 |
| 71) Bromoform | 10.79 | 173 | 78924 | 44.556 ug/l # | 95 |
| 73) Isopropylbenzene | 11.14 | 105 | 804815 | 48.091 ug/l | 97 |
| 74) N-amyl acetate | 11.38 | 43 | 190407 | 44.502 ug/l | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.71 | 83 | 146164 | 47.850 ug/l | 96 |
| 76) 1,2,3-Trichloropropane | 11.89 | 75 | 64923 | 43.247 ug/l | 100 |
| 77) Bromobenzene | 11.51 | 156 | 176624 | 48.233 ug/l | 90 |
| 78) n-propylbenzene | 11.61 | 91 | 954170 | 48.731 ug/l | 95 |
| 79) 2-Chlorotoluene | 11.74 | 91 | 540176 | 48.307 ug/l | 96 |
| 80) 1,3,5-Trimethylbenzene | 11.84 | 105 | 648063 | 46.980 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.89 | 75 | 64923 | 55.028 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.92 | 91 | 535238 | 45.878 ug/l | 94 |
| 83) tert-Butylbenzene | 12.14 | 119 | 655621 | 46.523 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 12.22 | 105 | 635731 | 47.061 ug/l | 97 |
| 85) sec-Butylbenzene | 12.32 | 105 | 919626 | 47.438 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.47 | 119 | 770214 | 48.247 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 12.49 | 146 | 328800 | 45.746 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.58 | 146 | 330059 | 48.415 ug/l | 99 |
| 89) n-Butylbenzene | 12.85 | 91 | 775632 | 50.068 ug/l | 98 |
| 90) Hexachloroethane | 12.93 | 117 | 188939 | 46.539 ug/l | 91 |
| 91) 1,2-Dichlorobenzene | 12.95 | 146 | 310314 | 46.149 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65 | 75 | 24561 | 46.280 ug/l | 86 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
Data File : VF060610.D
Acq On : 6 Nov 2018 12:45
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 06 14:16:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.22 | 180 | 216479 | 47.388 | ug/l | 96 |
| 94) Hexachlorobutadiene | 14.21 | 225 | 140593 | 47.495 | ug/l | 97 |
| 95) Naphthalene | 14.47 | 128 | 385620 | 42.175 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 14.62 | 180 | 199903 | 46.324 | ug/l | 96 |

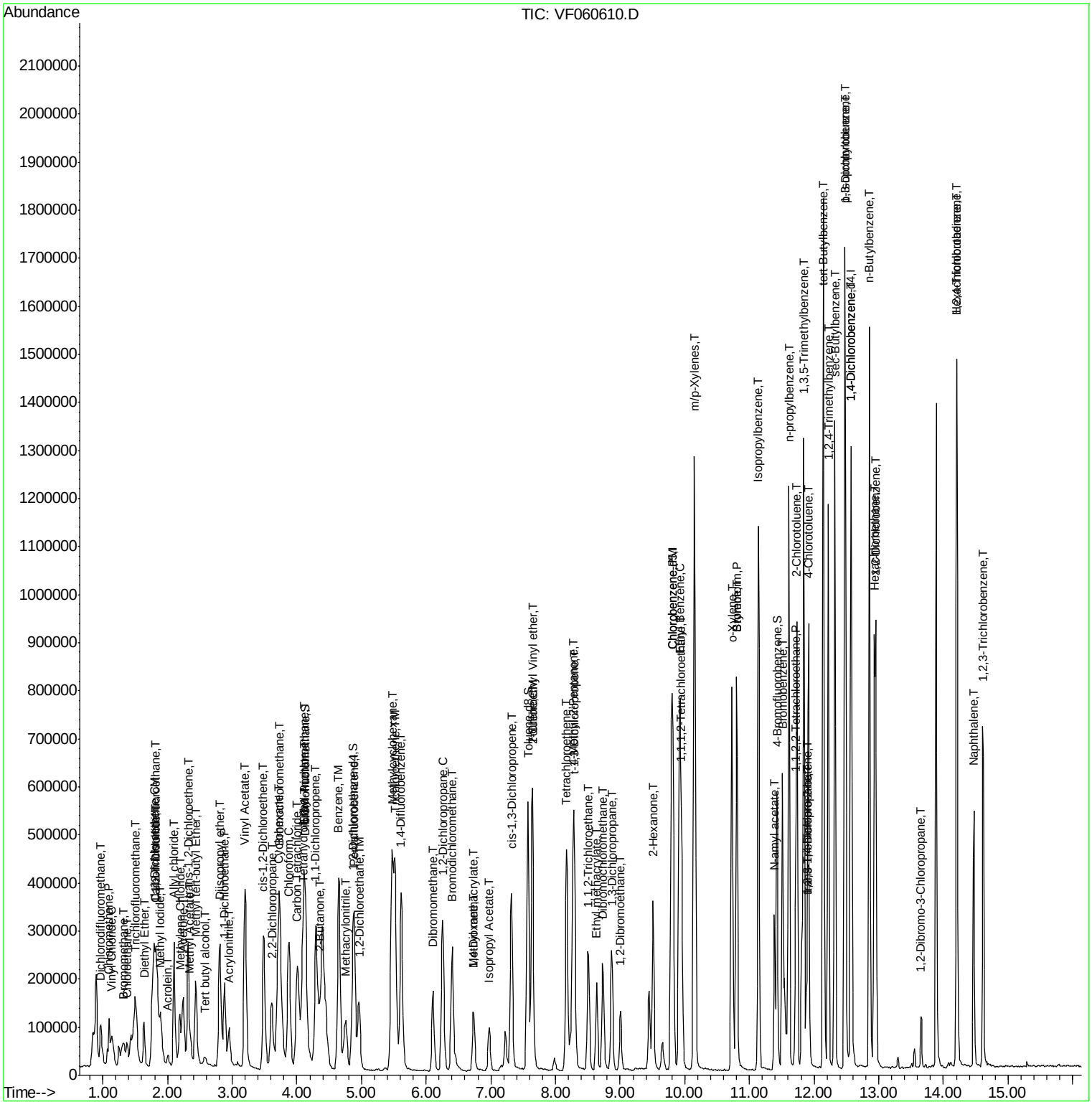
(#) = qualifier out of range (m) = manual integration (+) = signals summed

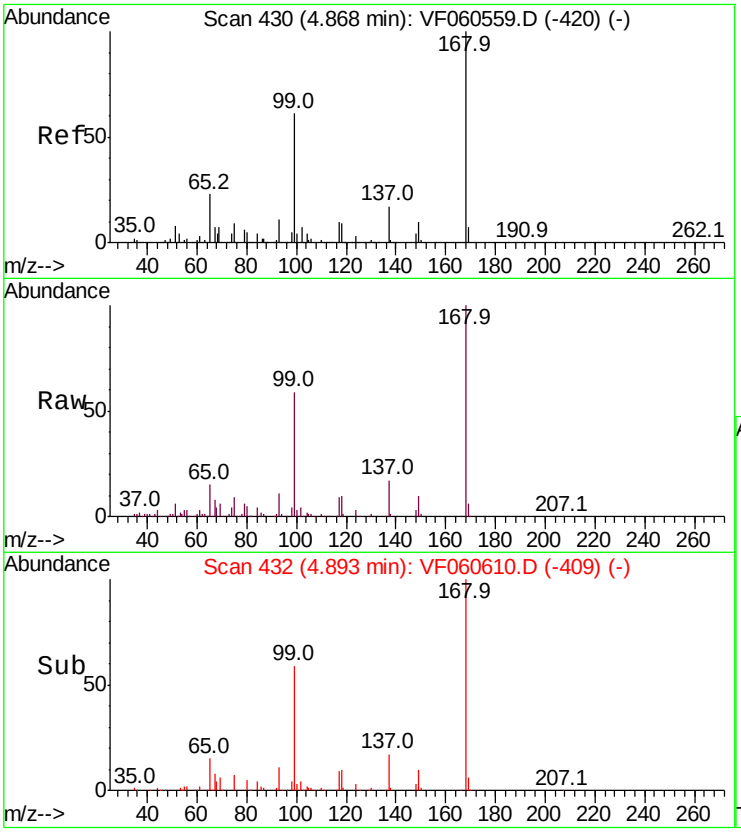
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110618\
Data File : VF060610.D
Acq On : 6 Nov 2018 12:45
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 06 14:16:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration



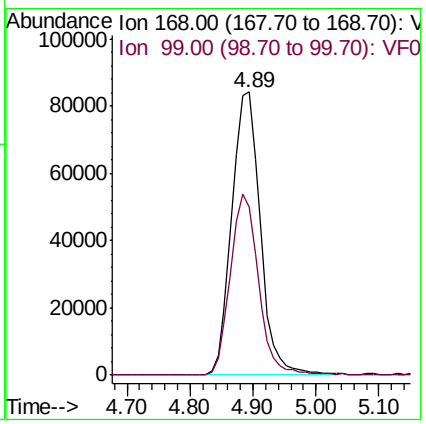


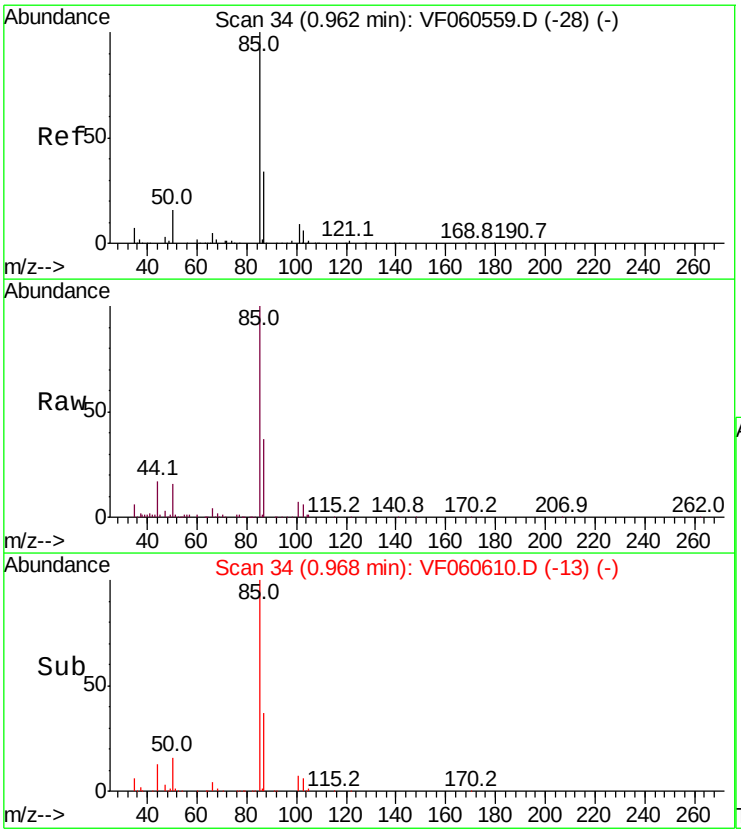

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:168 Resp: 264729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 48.6 | 72.8 |

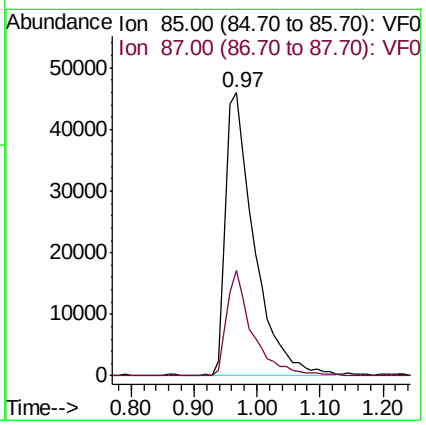


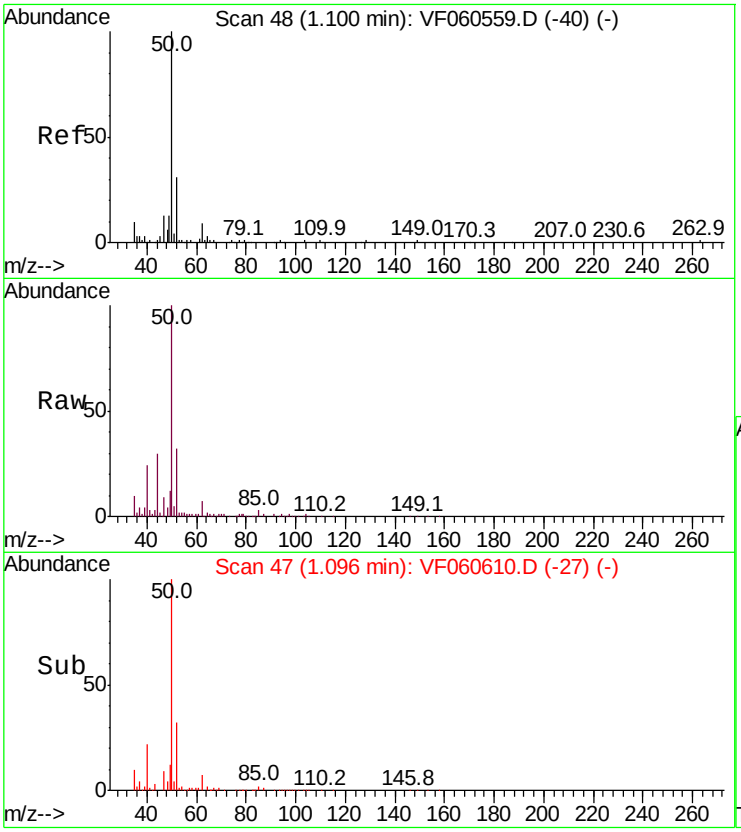




#2
Dichlorodifluoromethane
Concen: 52.592 ug/l
RT: 0.97 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 85 Resp: 144902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 37.0 | 16.9 | 50.7 |



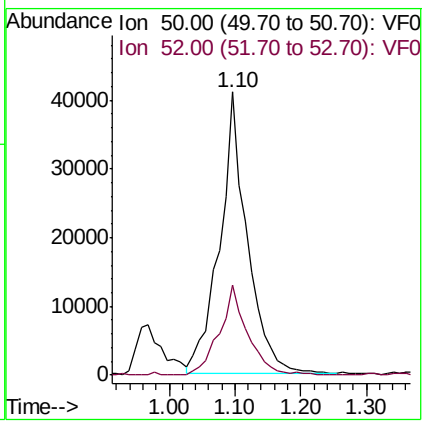


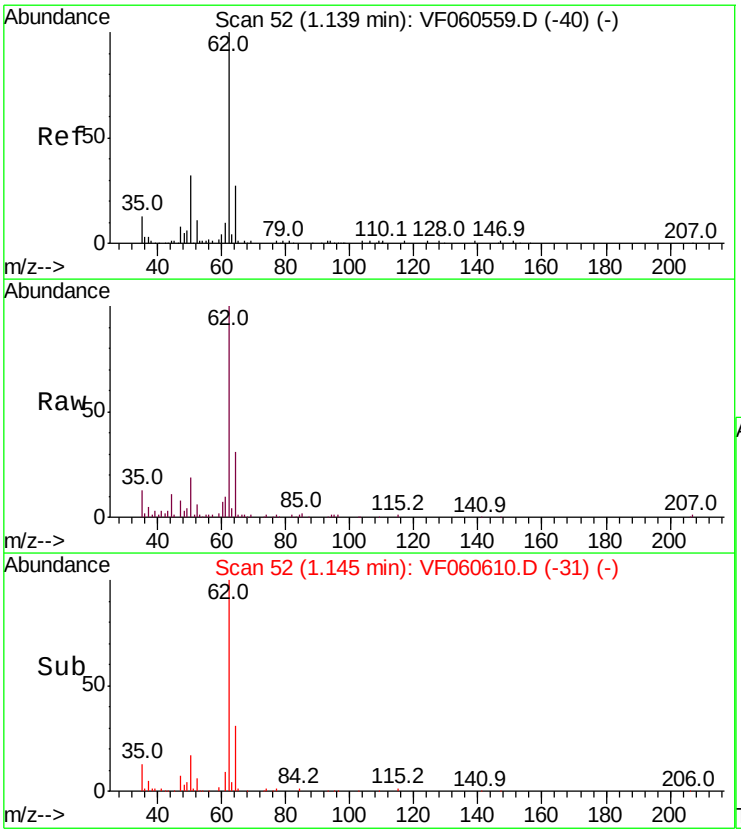

#3
Chloromethane
Concen: 51.617 ug/l
RT: 1.10 min Scan# 47
Delta R.T. -0.00 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 50 Resp: 119590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.0 | 36.0 |

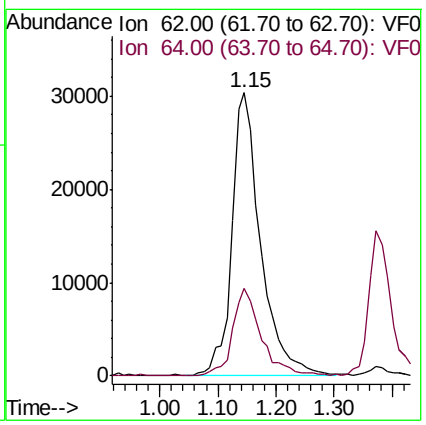


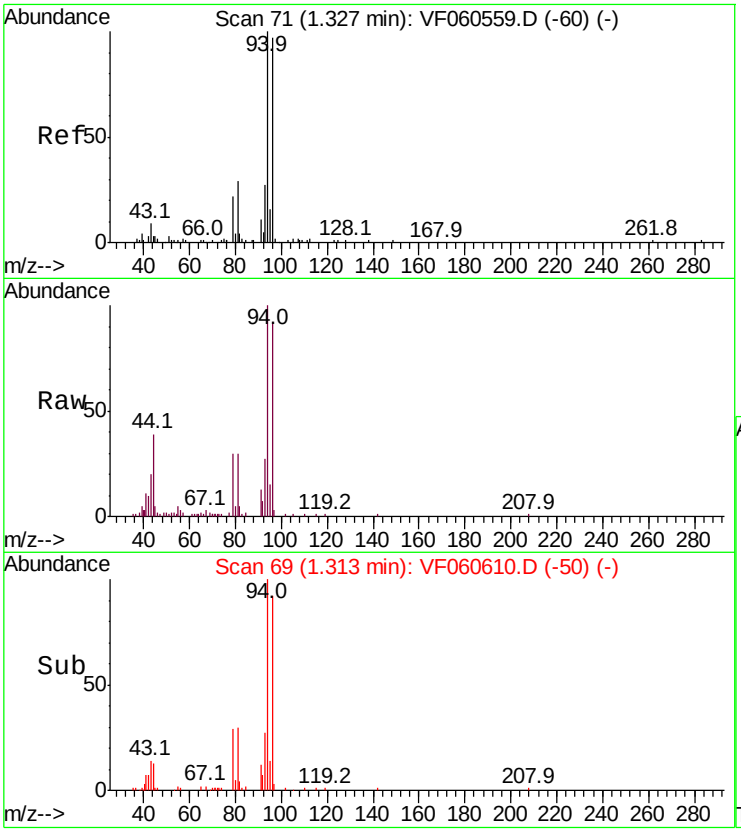




#4
Vinyl Chloride
Concen: 48.800 ug/l
RT: 1.15 min Scan# 52
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 62 Resp: 104185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 21.8 | 32.6 |

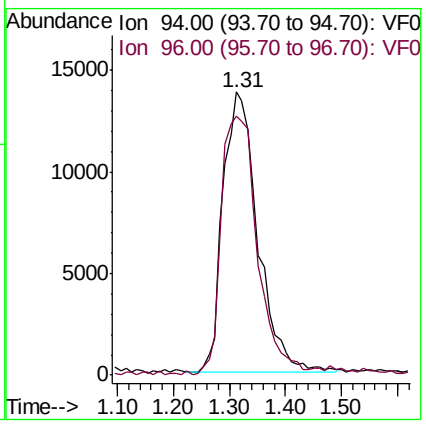




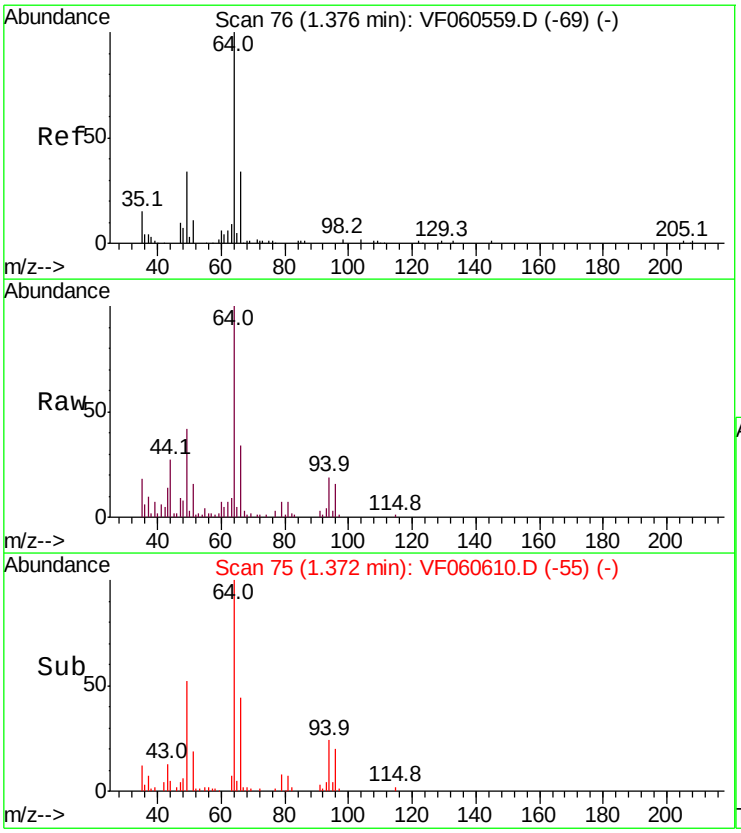

#5
Bromomethane
Concen: 49.687 ug/l
RT: 1.31 min Scan# 69
Delta R.T. -0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 94 Resp: 59544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.6 | 77.9 | 116.9 |



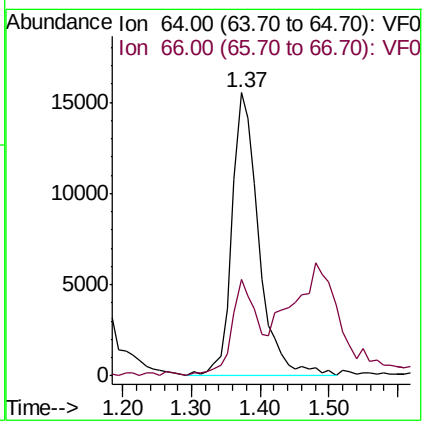

**Instrument :**
MSVOA_F
**ClientSampleId :**

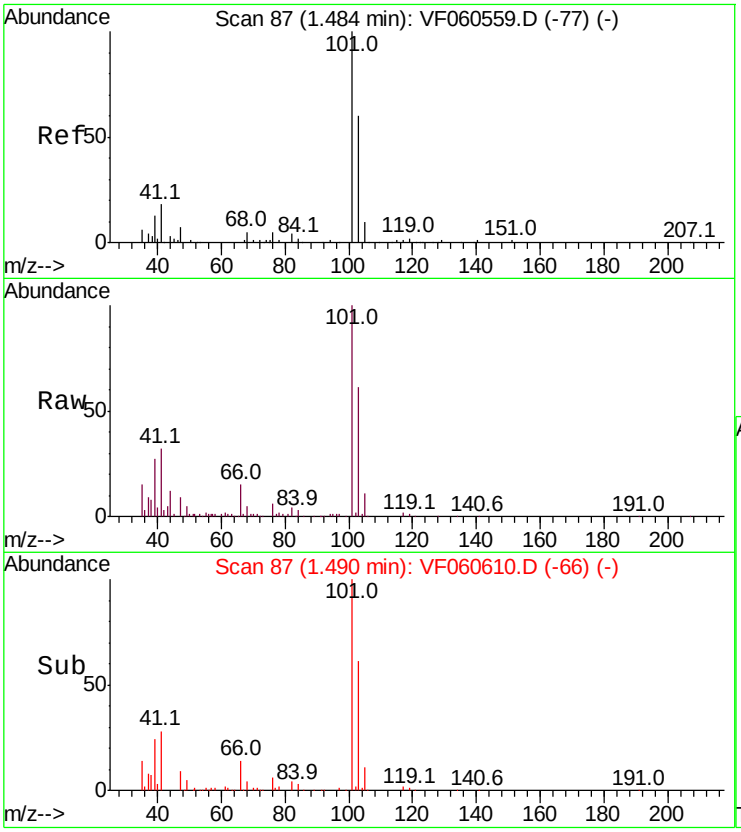



#6
Chloroethane
Concen: 54.985 ug/l
RT: 1.37 min Scan# 75
Delta R.T. -0.00 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 64 Resp: 42054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.0 | 27.8 | 41.8 |



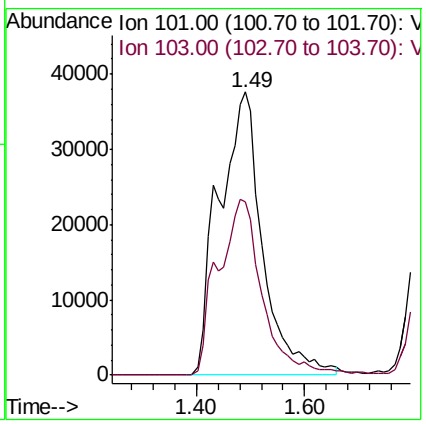


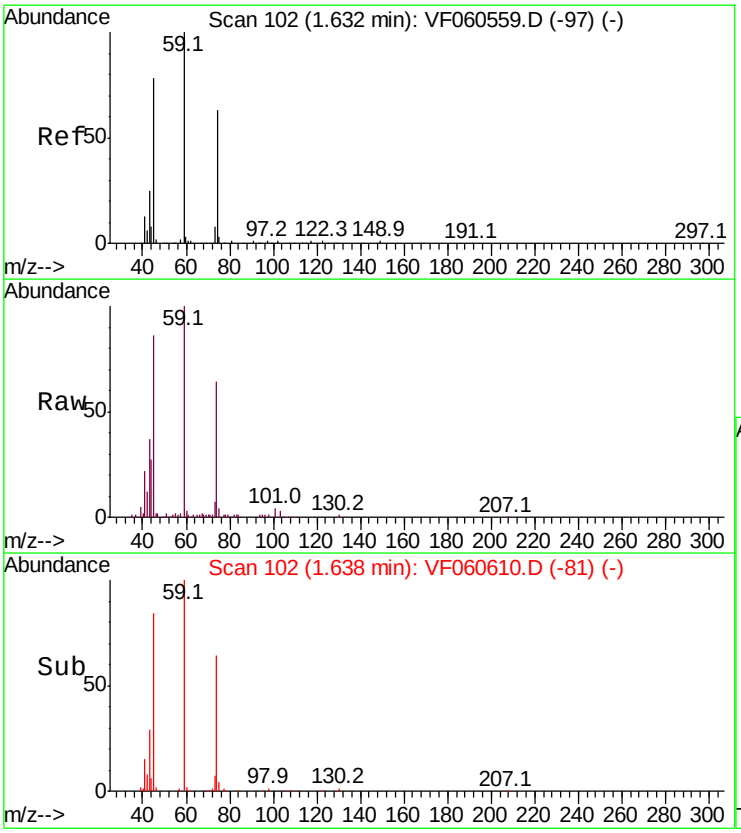

#7
Trichlorofluoromethane
Concen: 52.966 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:101 Resp: 211646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.3 | 48.0 | 72.0 |

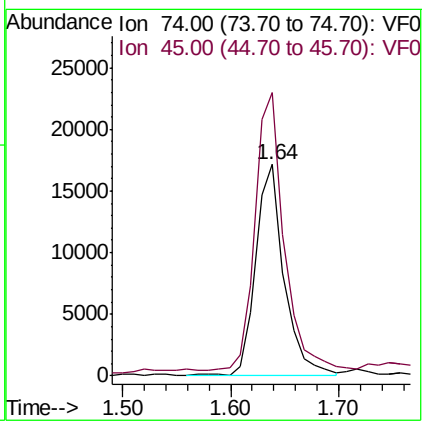


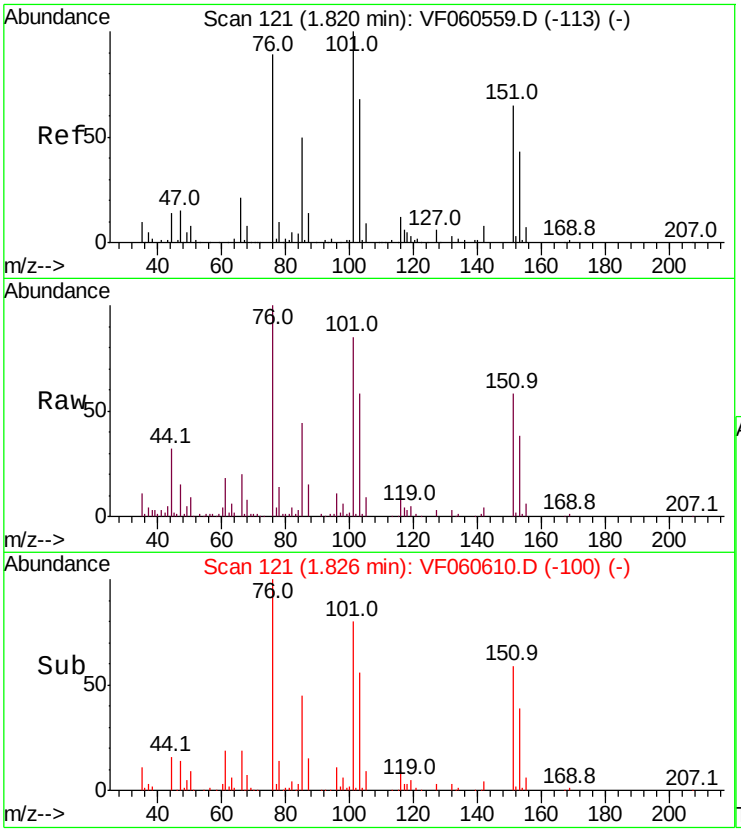




#8
Diethyl Ether
Concen: 42.489 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 74 Resp: 31467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 134.1 | 63.8 | 191.5 |



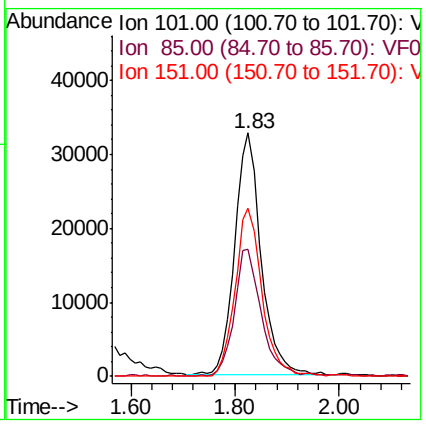


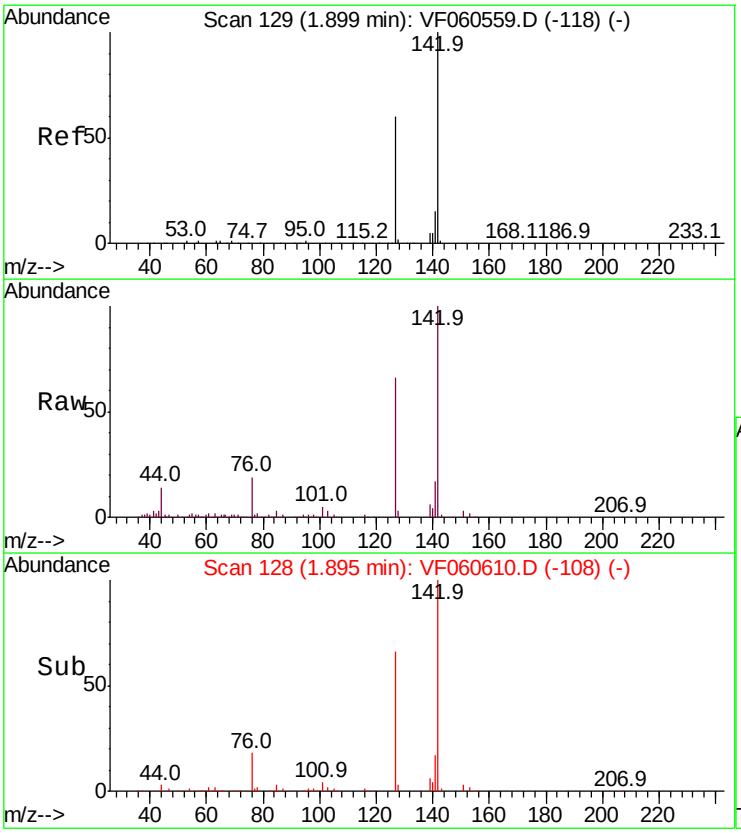

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.828 ug/l
RT: 1.83 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:101 Resp: 111494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 52.3 | 39.8 | 59.6 |
| 151 | 68.8 | 50.8 | 76.2 |

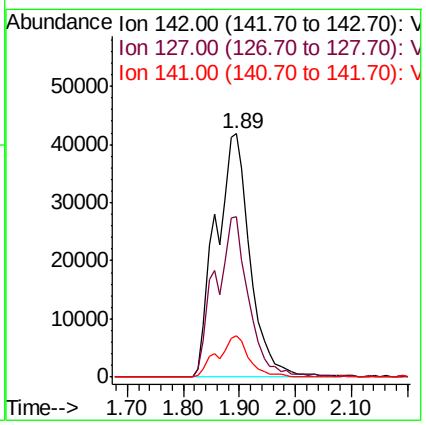


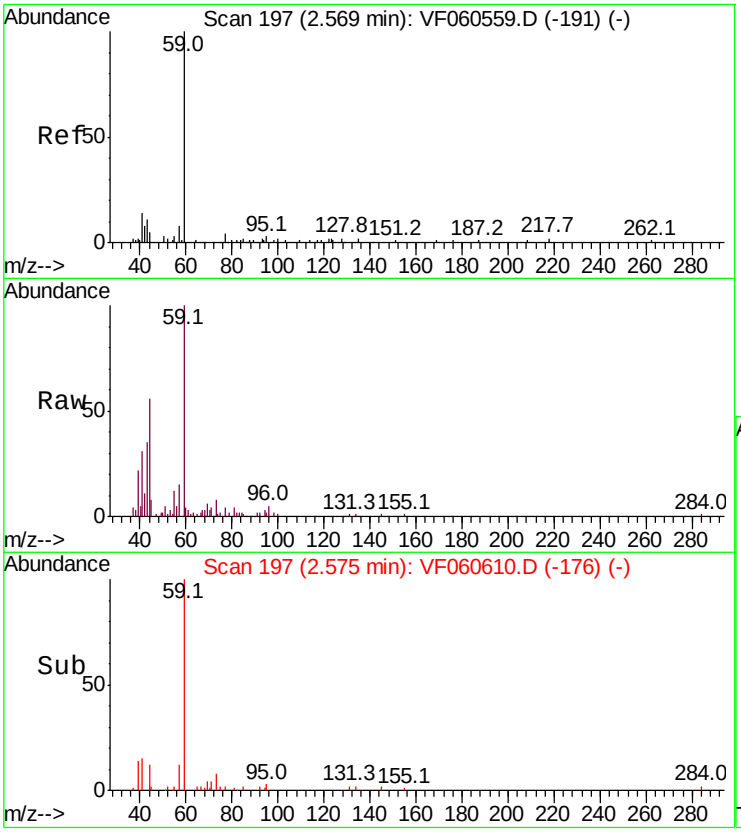




#10
Methyl Iodide
Concen: 47.610 ug/l
RT: 1.89 min Scan# 128
Delta R.T. -0.00 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:142 Resp: 178898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 65.9 | 47.8 | 71.6 |
| 141 | 17.0 | 12.7 | 19.1 |



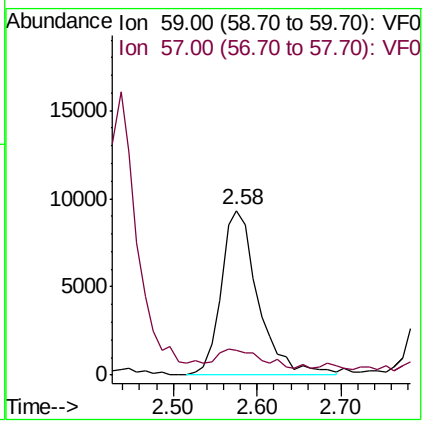


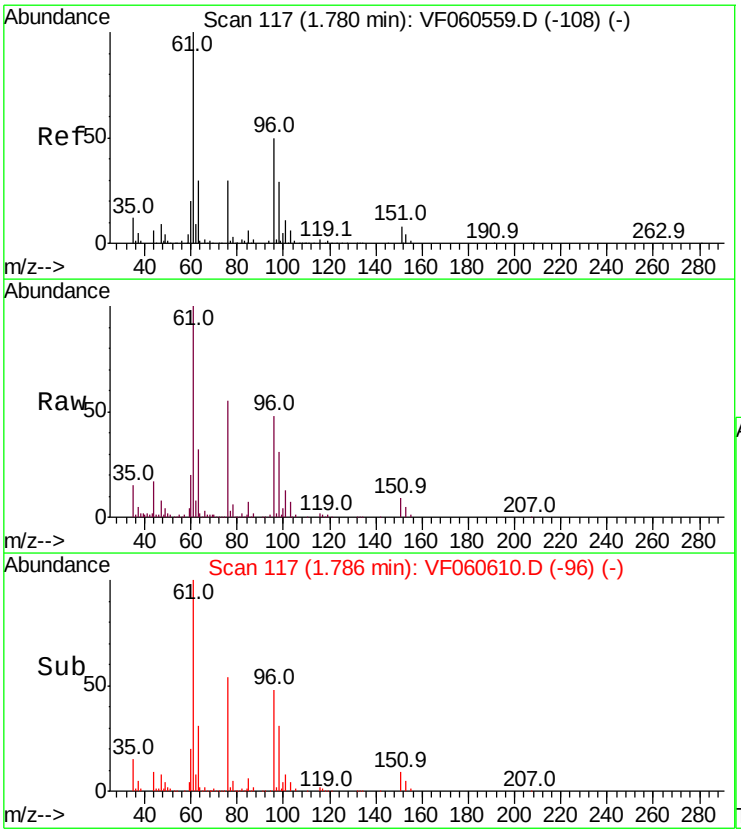

#11
Tert butyl alcohol
Concen: 202.851 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 59 Resp: 28594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 15.3 | 19.0 | 28.4# |

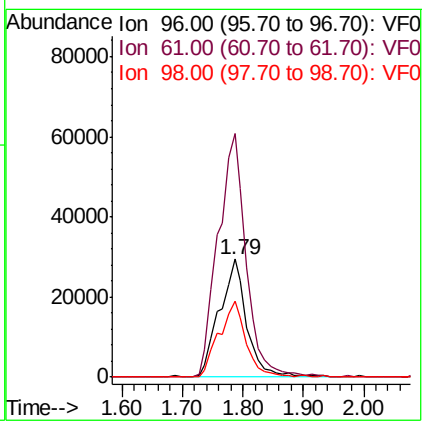


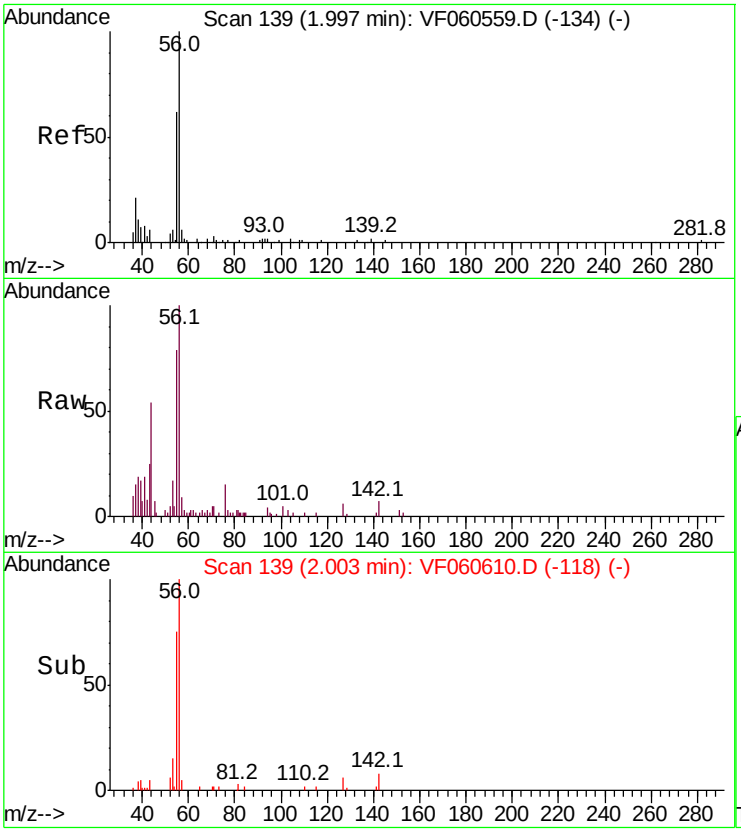




#12
1,1-Dichloroethene
Concen: 48.312 ug/l
RT: 1.79 min Scan# 117
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 96 Resp: 92912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 207.0 | 158.1 | 237.1 |
| 98 | 64.2 | 47.0 | 70.6 |



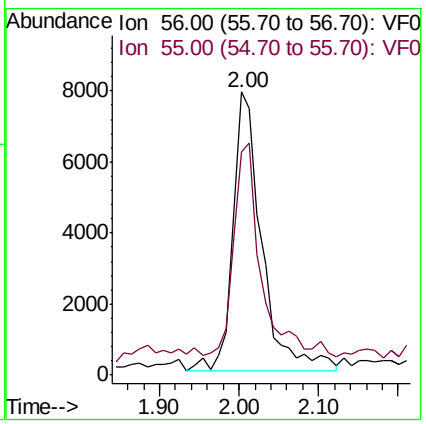


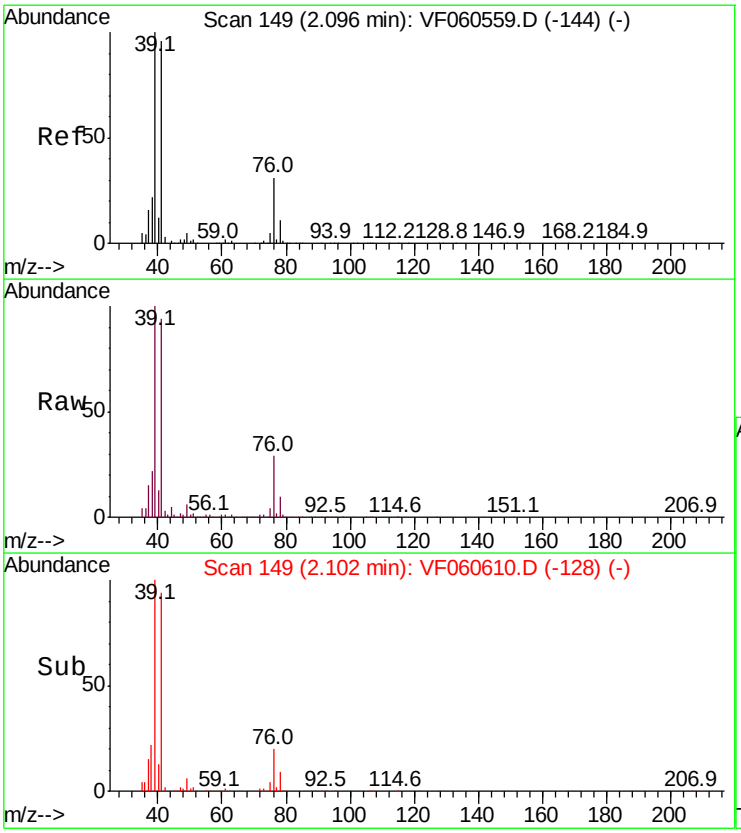

#13
Acrolein
Concen: 220.025 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 56 Resp: 19657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 78.7 | 61.8 | 92.6 |

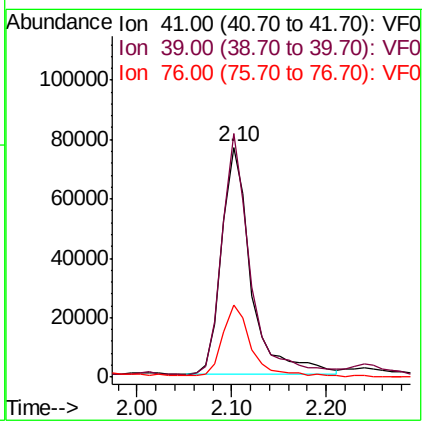


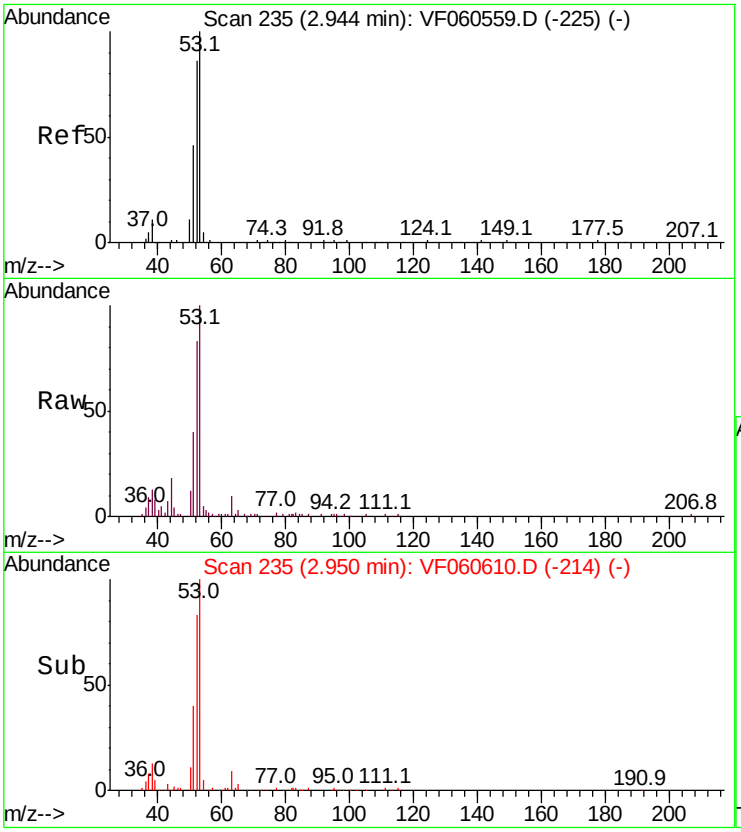




#14
Allyl chloride
Concen: 52.408 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 41 Resp: 164574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 105.9 | 82.6 | 124.0 |
| 76 | 31.2 | 26.7 | 40.1 |



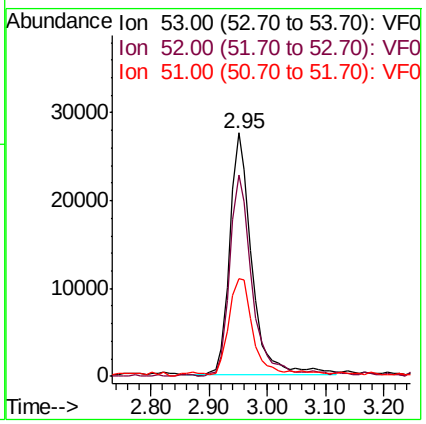


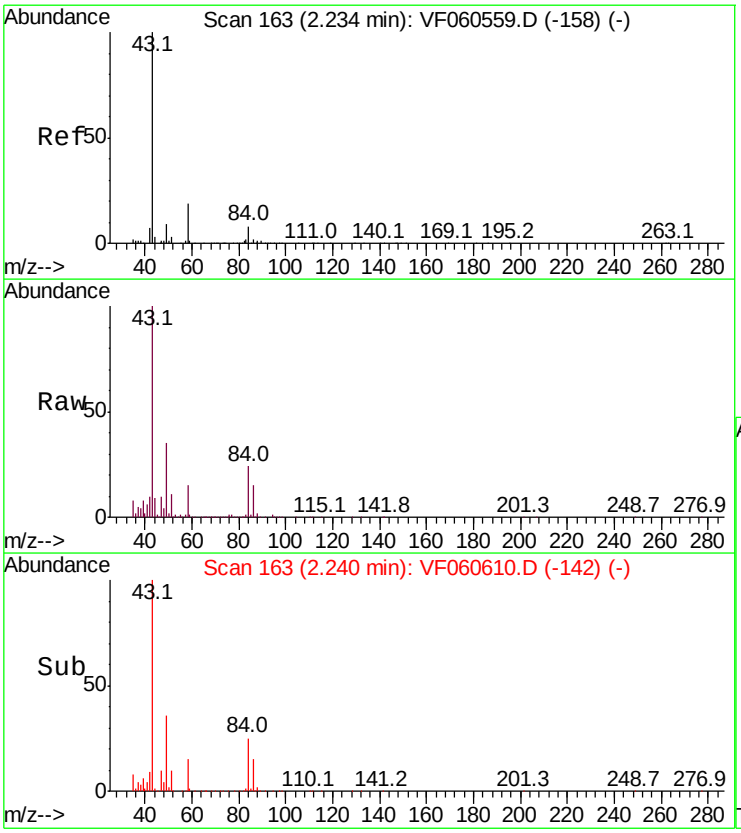

#15
Acrylonitrile
Concen: 229.684 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 53 Resp: 73217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 68.5 | 102.7 |
| 51 | 40.4 | 38.2 | 57.2 |

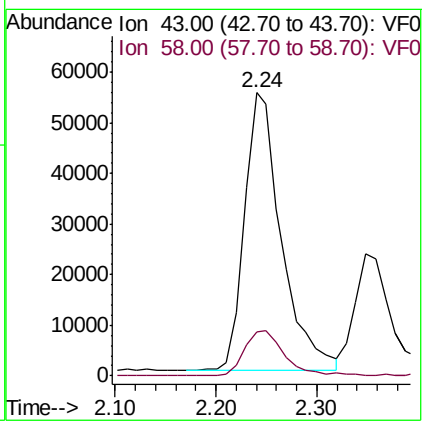


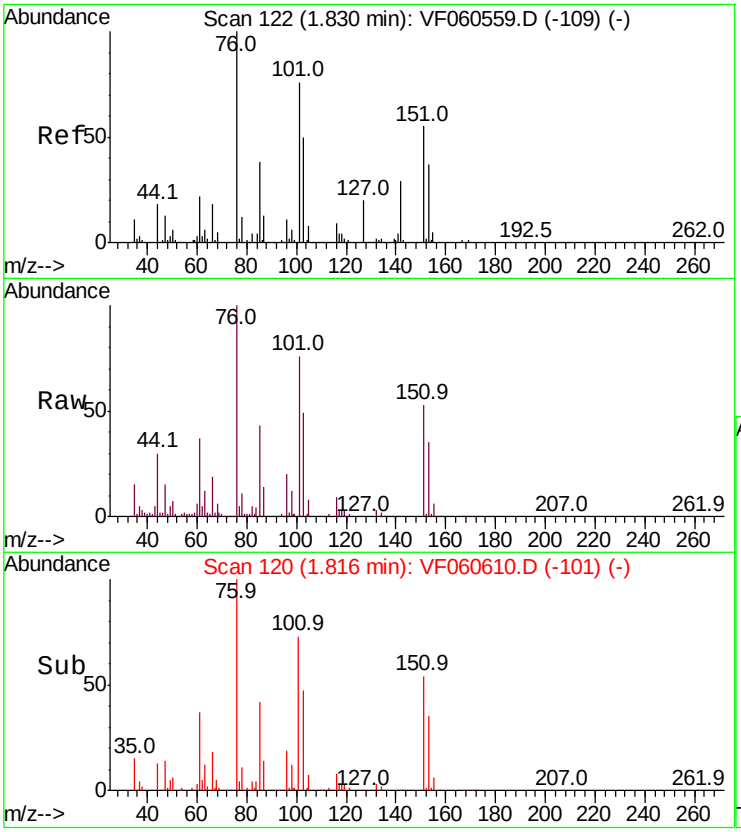




#16
Acetone
Concen: 222.770 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 43 Resp: 140406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.5 | 14.6 | 22.0 |



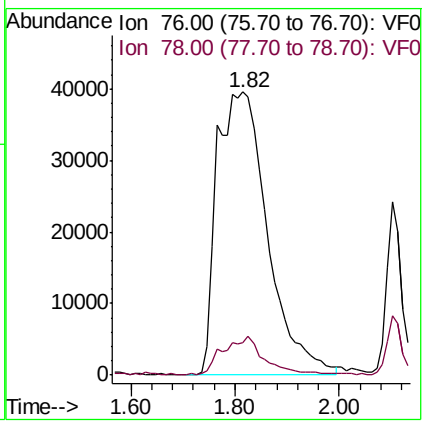


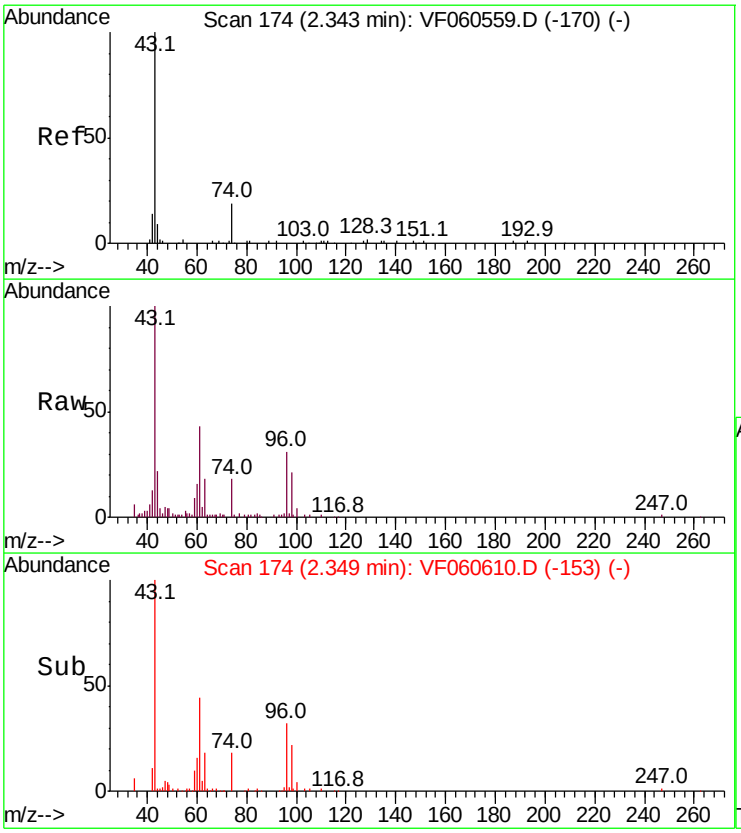

#17
Carbon Disulfide
Concen: 48.457 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 76 Resp: 262505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.5 | 9.9 | 14.9 |

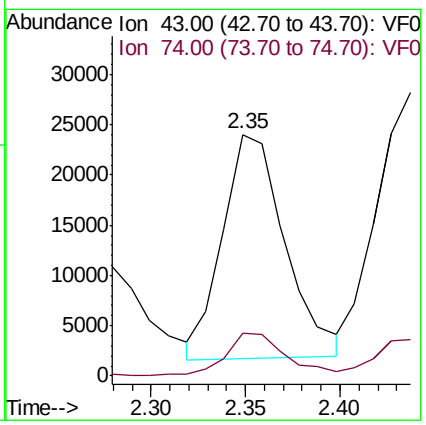


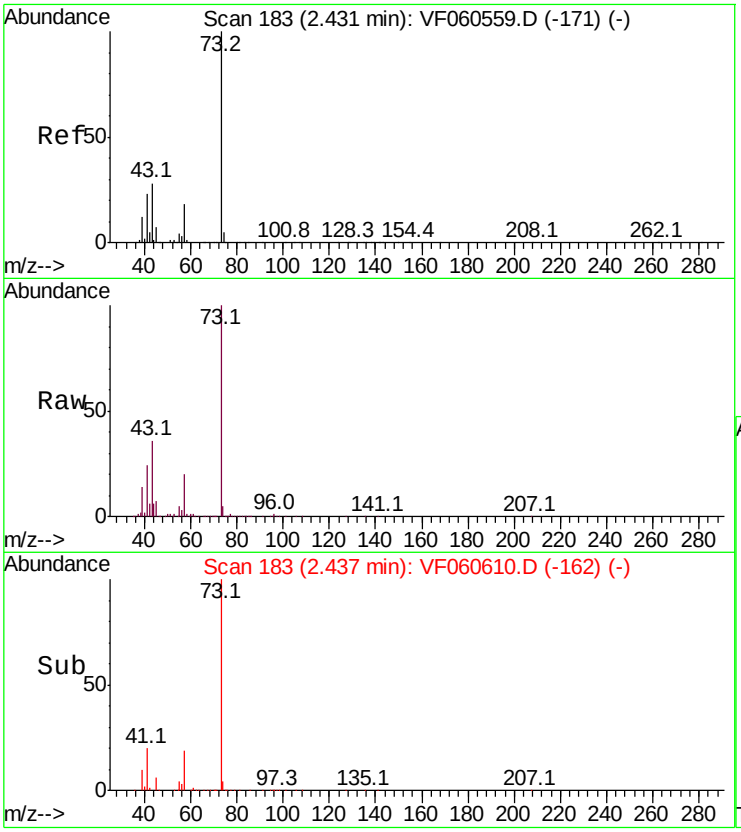




#18
Methyl Acetate
Concen: 52.056 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 43 Resp: 50983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.7 | 12.1 | 18.1 |



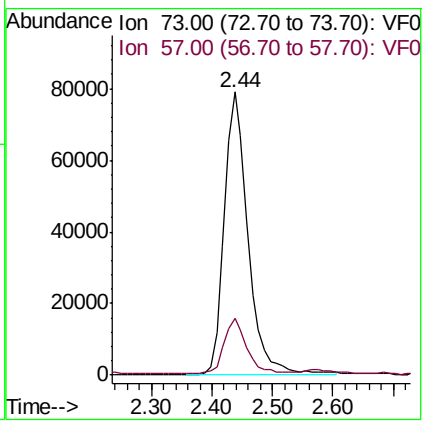


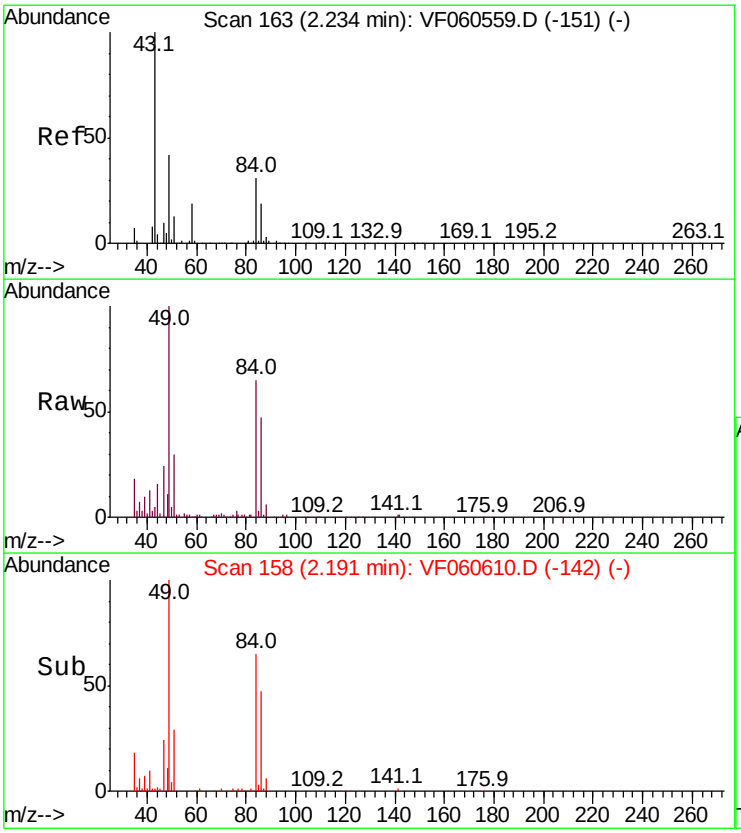

#19
Methyl tert-butyl Ether
Concen: 48.215 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 73 Resp: 216761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 15.4 | 23.0 |

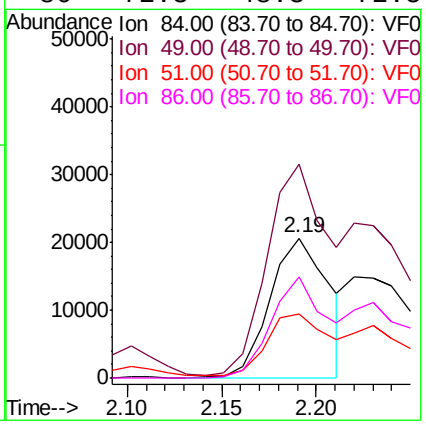


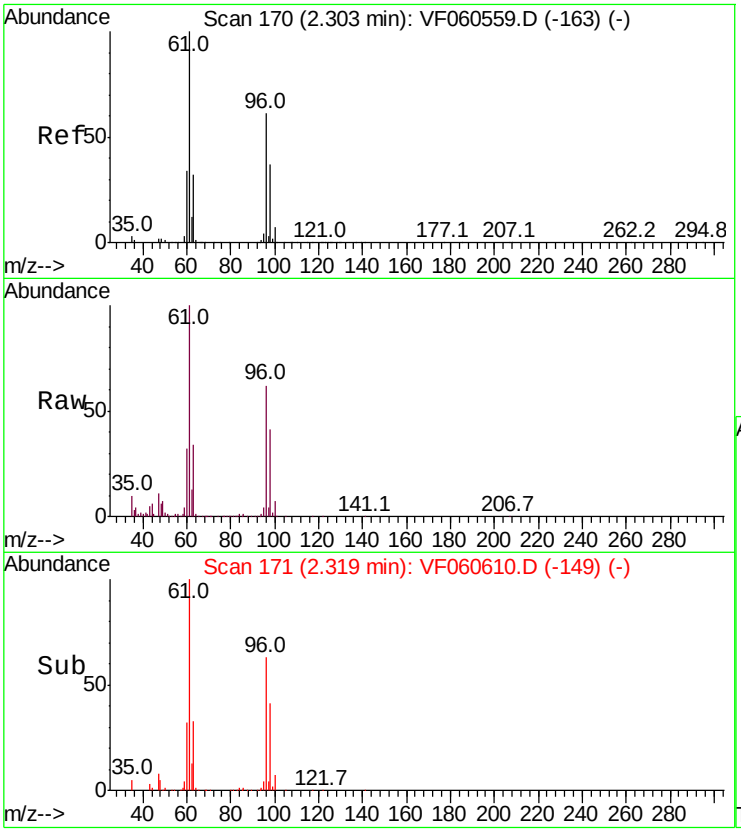




#20
Methylene Chloride
Concen: 20.877 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 84 Resp: 44962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 153.1 | 109.9 | 164.9 |
| 51 | 45.4 | 35.8 | 53.8 |
| 86 | 72.3 | 48.3 | 72.5 |



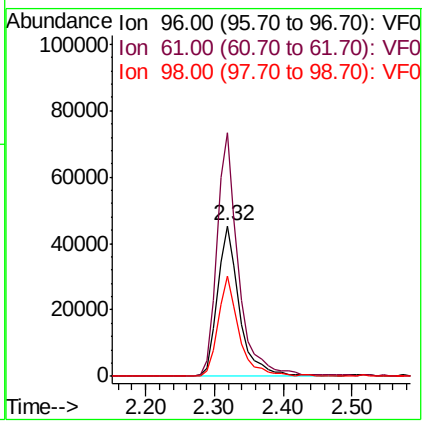


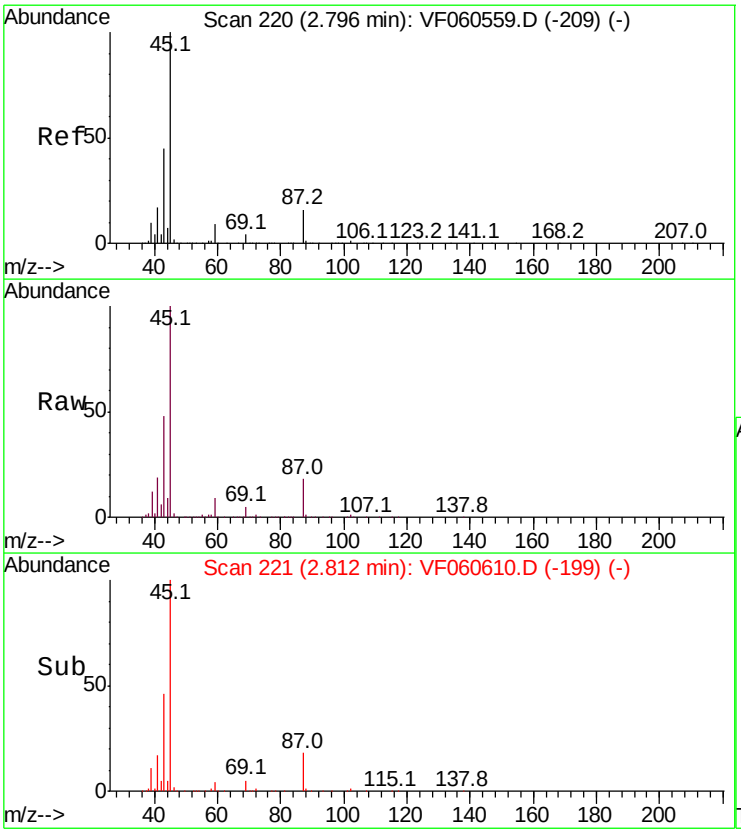

#21
trans-1,2-Dichloroethene
Concen: 49.133 ug/l
RT: 2.32 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 96 Resp: 99132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.0 | 131.3 | 196.9 |
| 98 | 66.5 | 48.6 | 73.0 |

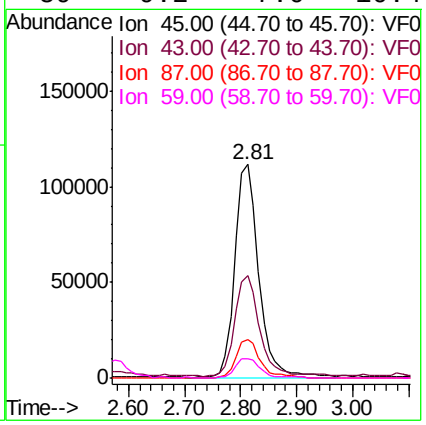


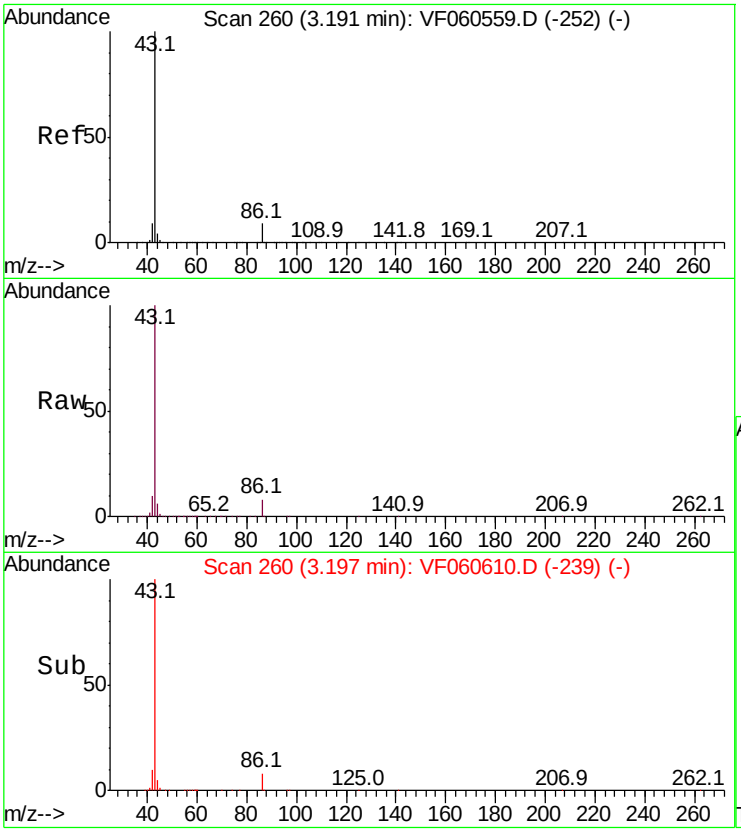




#22
Diisopropyl ether
Concen: 49.344 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 45 Resp: 328297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 47.8 | 38.1 | 57.1 |
| 87 | 18.3 | 12.7 | 19.1 |
| 59 | 9.2 | 7.0 | 10.4 |



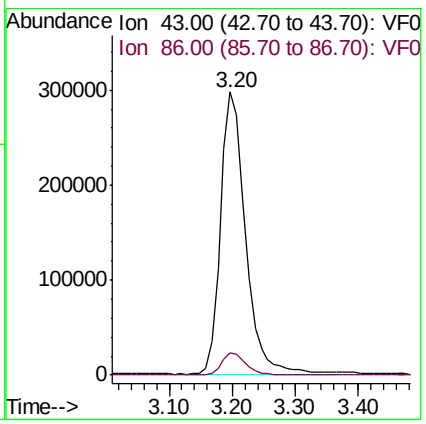


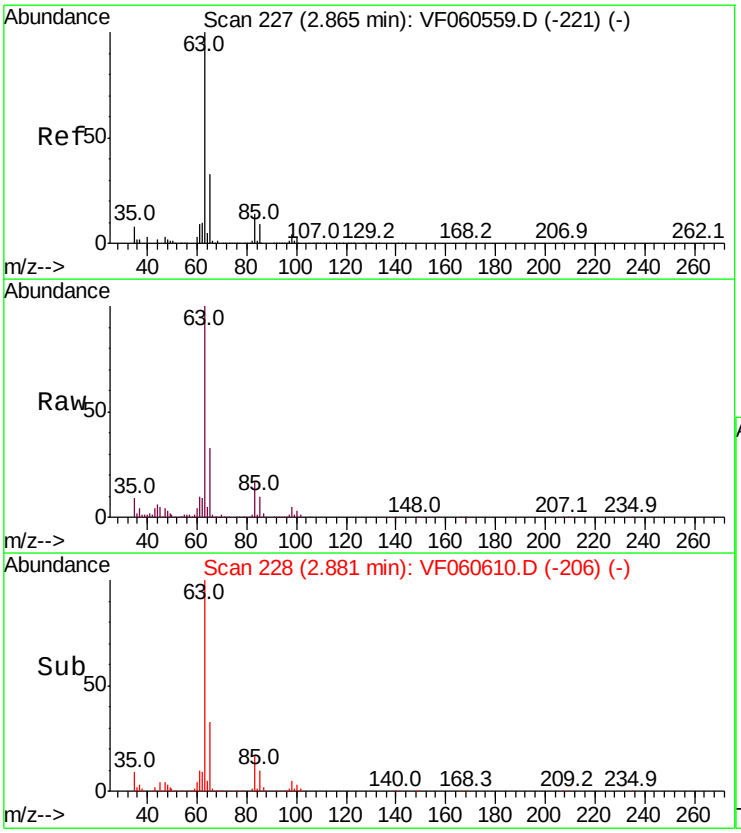

#23
Vinyl Acetate
Concen: 204.231 ug/l
RT: 3.20 min Scan# 260
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 816412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.9 | 7.1 | 10.7 |

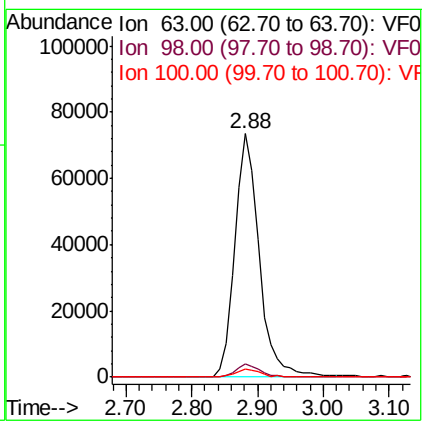


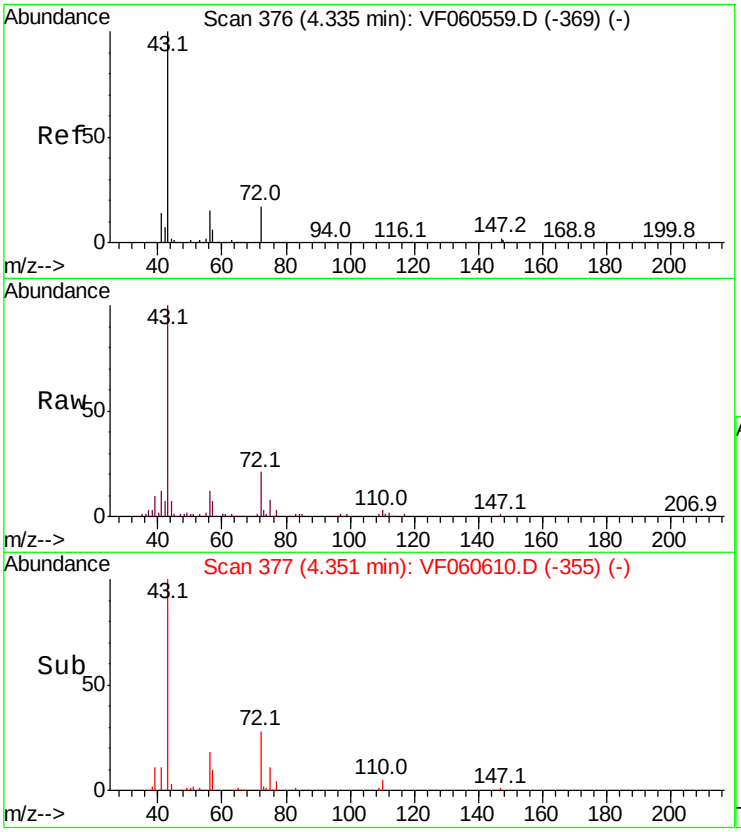




#24
1,1-Dichloroethane
Concen: 49.876 ug/l
RT: 2.88 min Scan# 228
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 63 Resp: 192049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.3 | 2.2 | 6.6 |
| 100 | 3.5 | 1.4 | 4.0 |



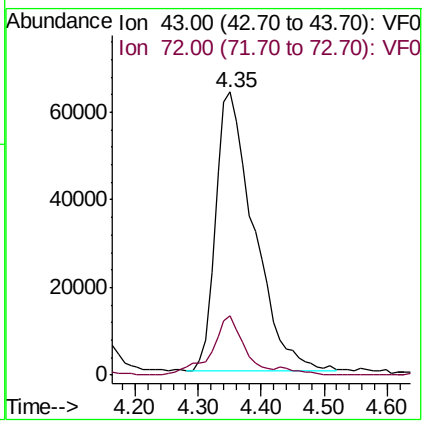


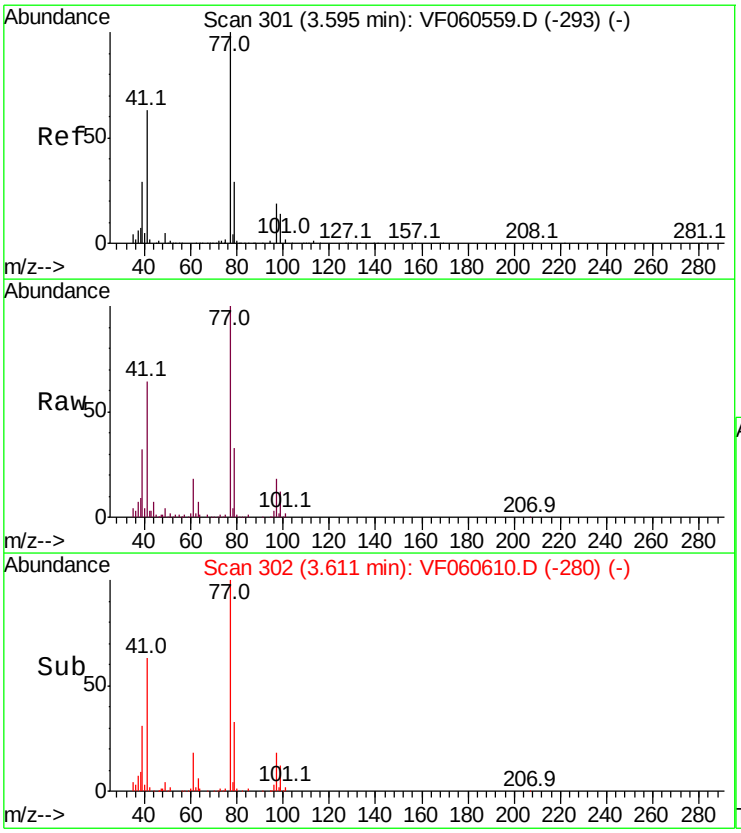

#25
2-Butanone
Concen: 223.027 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 268483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.0 | 16.2 | 24.2 |

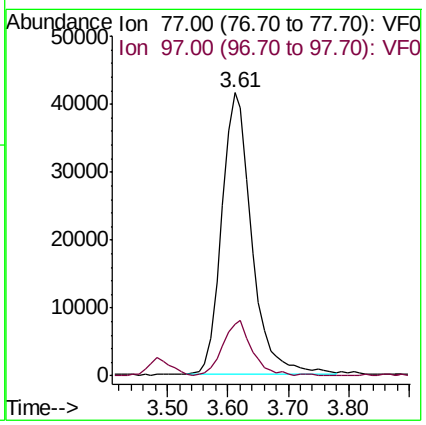


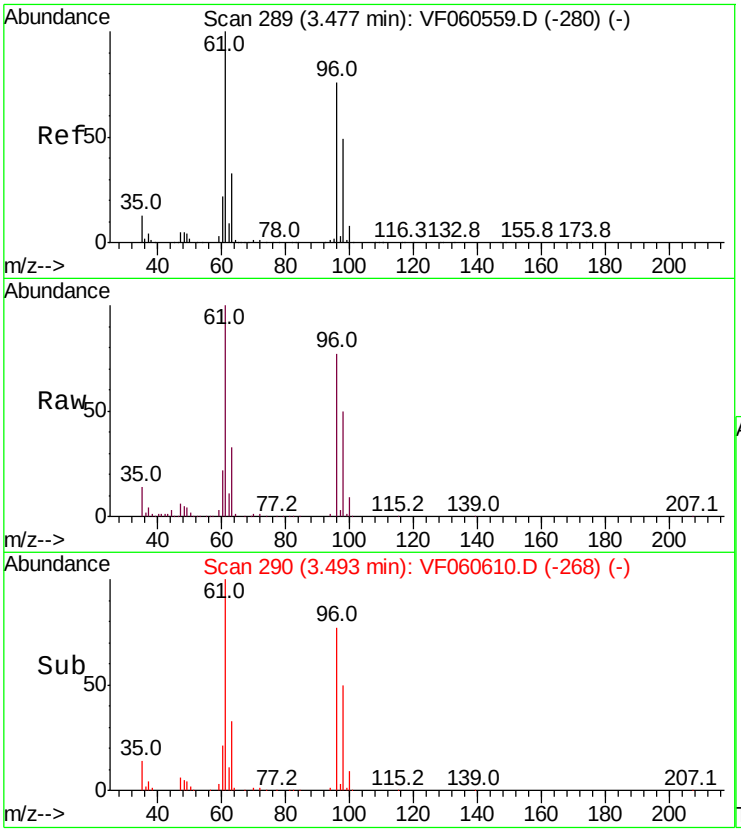




#26
2,2-Dichloropropane
Concen: 49.821 ug/l
RT: 3.61 min Scan# 302
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 77 Resp: 143542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 18.1 | 9.8 | 29.3 |



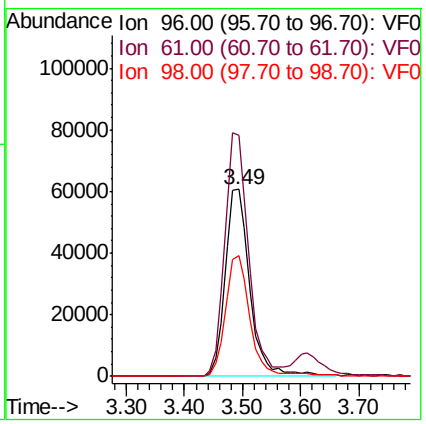


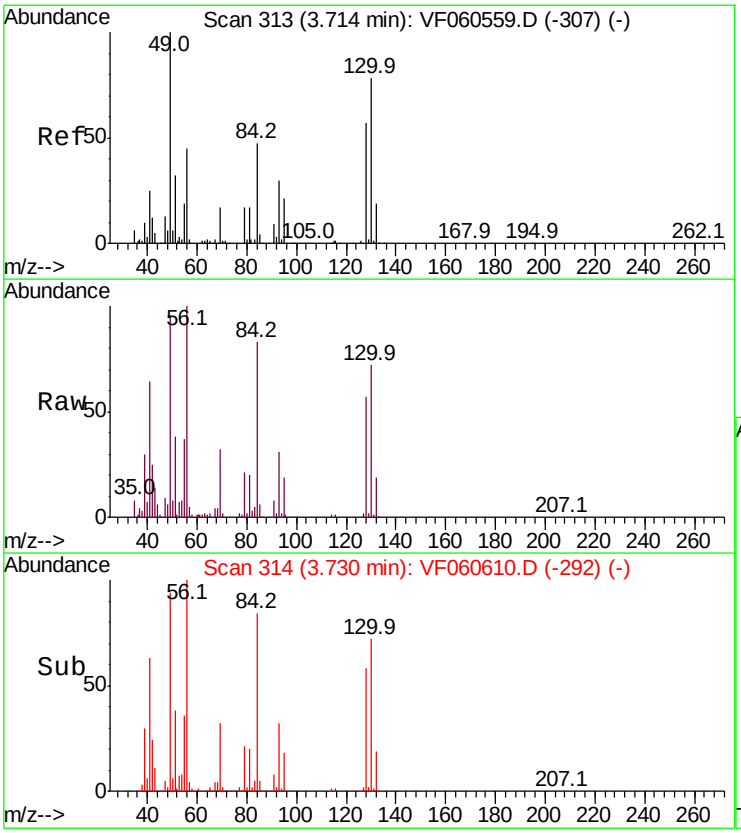

#27
cis-1,2-Dichloroethene
Concen: 46.454 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 96 Resp: 178926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.1 | 0.0 | 263.0 |
| 98 | 64.9 | 0.0 | 130.6 |

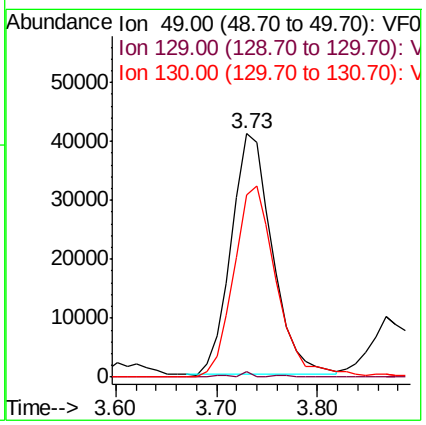


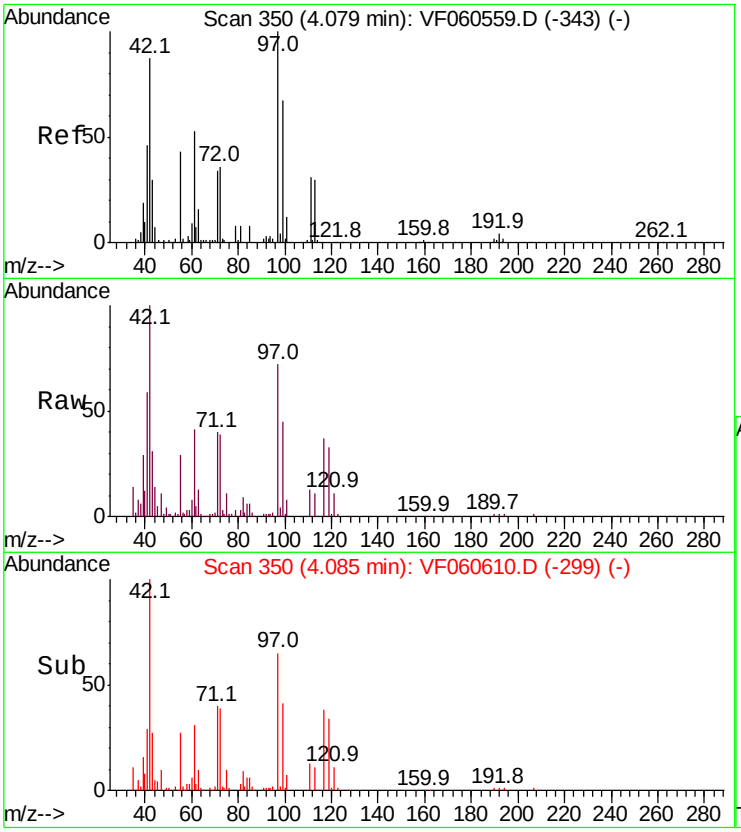




#28
Bromochloromethane
Concen: 48.102 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 49 Resp: 116236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.6 |
| 130 | 75.0 | 61.8 | 92.8 |



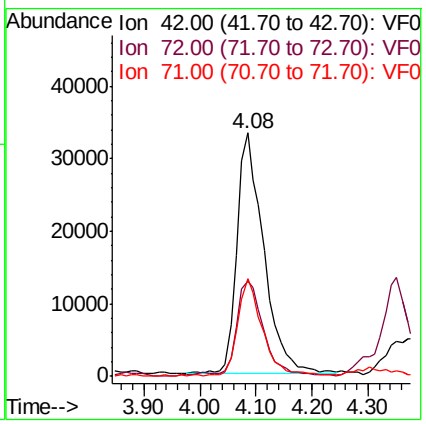


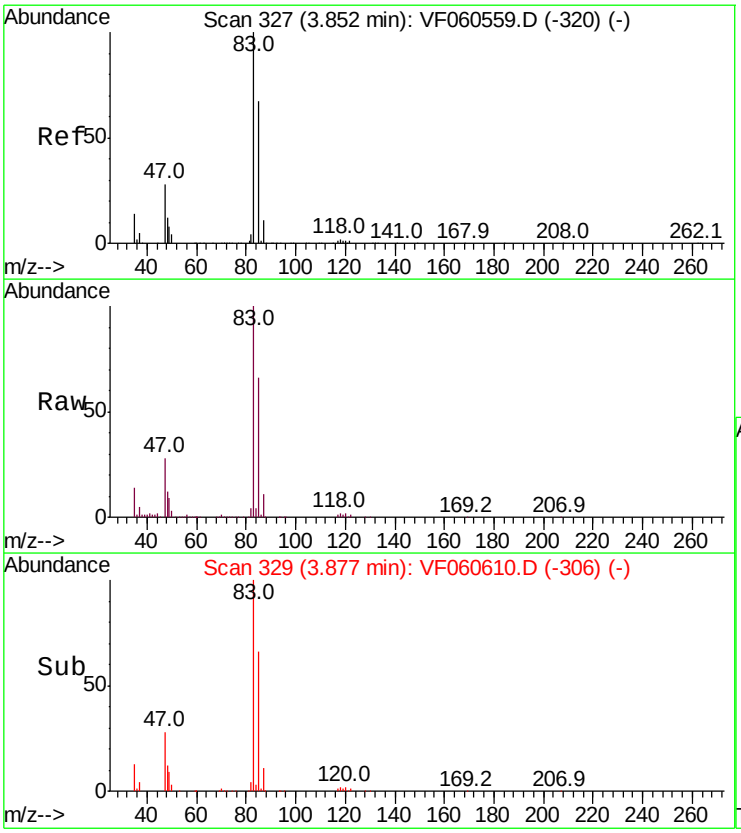

#29
Tetrahydrofuran
Concen: 233.802 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 42 Resp: 109365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.3 | 31.4 | 47.0 |
| 71 | 37.7 | 31.8 | 47.6 |

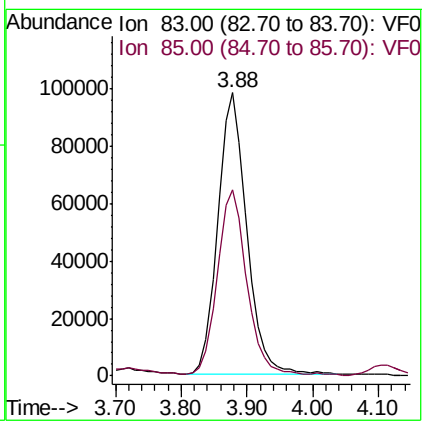


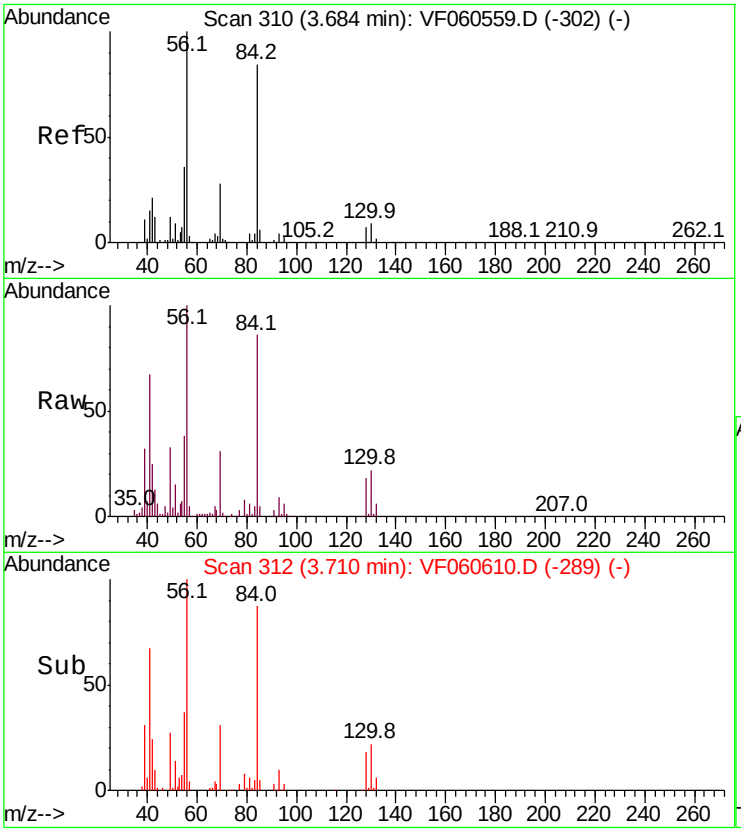




#30
Chloroform
Concen: 49.518 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 83 Resp: 301658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 53.7 | 80.5 |



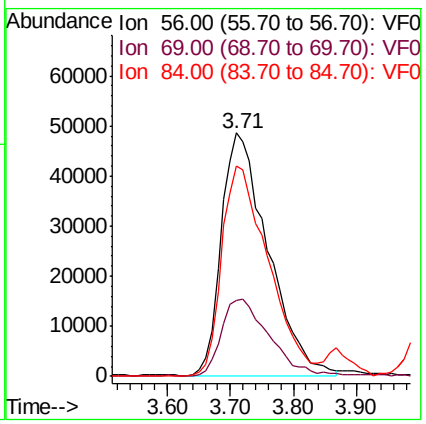


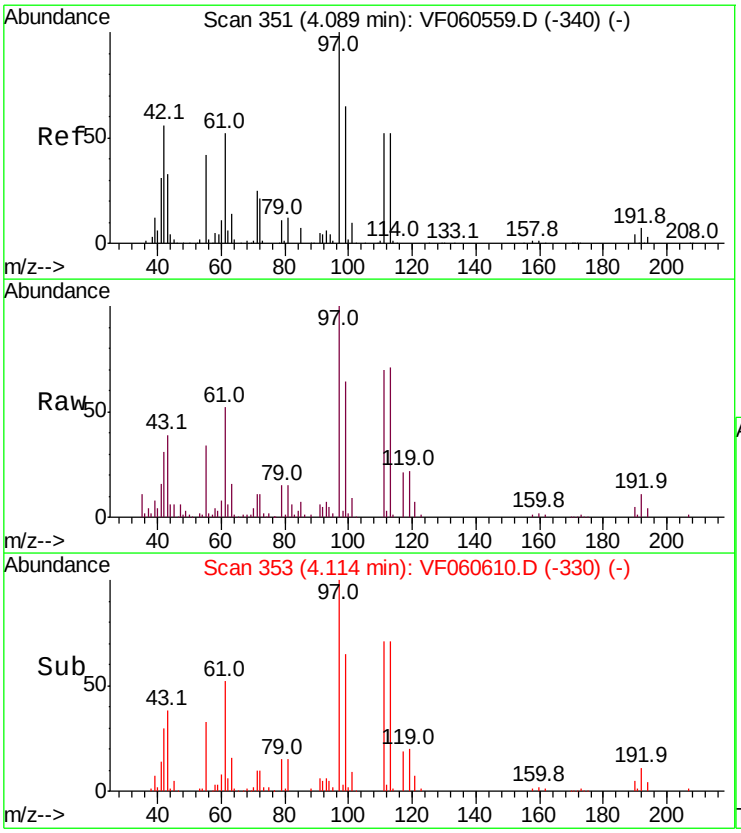

#31
Cyclohexane
Concen: 46.848 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 56 Resp: 248931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 23.0 | 34.4 |
| 84 | 86.3 | 67.1 | 100.7 |

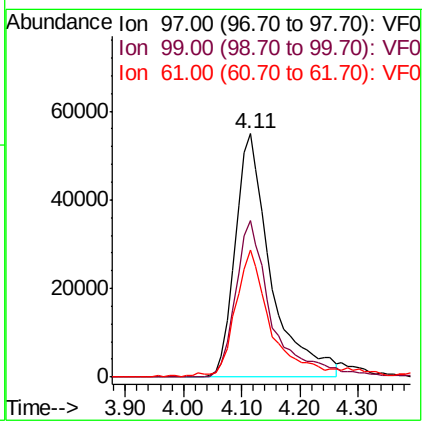


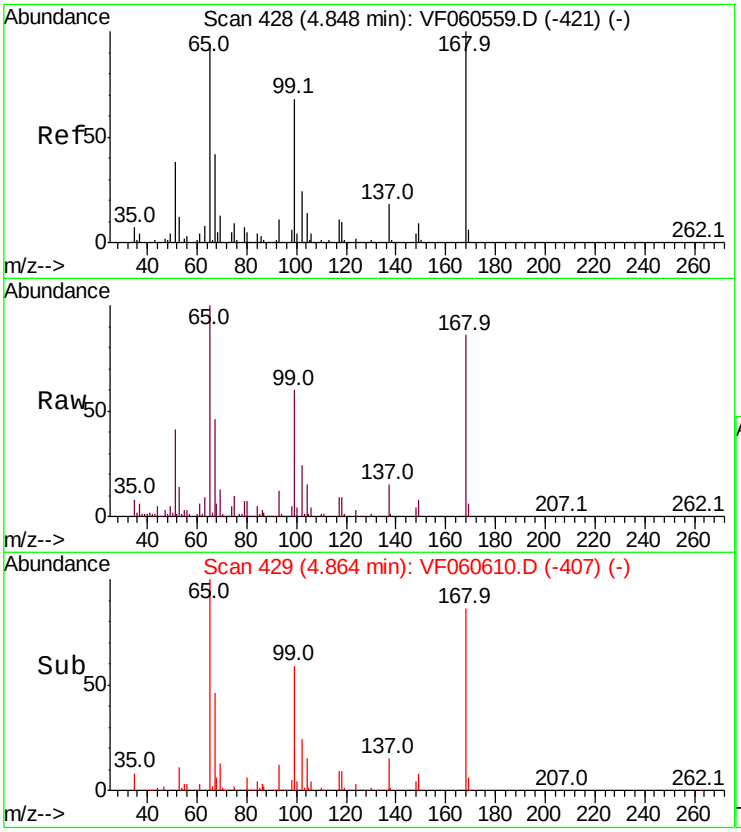




#32
1,1,1-Trichloroethane
Concen: 55.108 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 97 Resp: 234470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 52.4 | 78.6 |
| 61 | 52.1 | 41.5 | 62.3 |



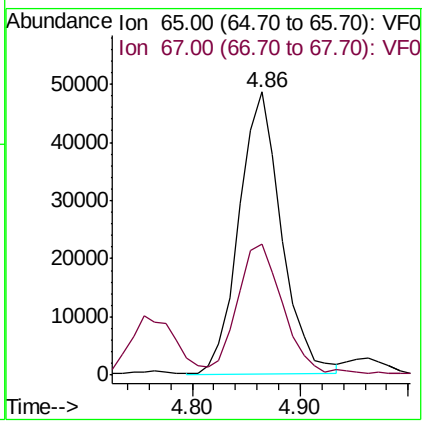


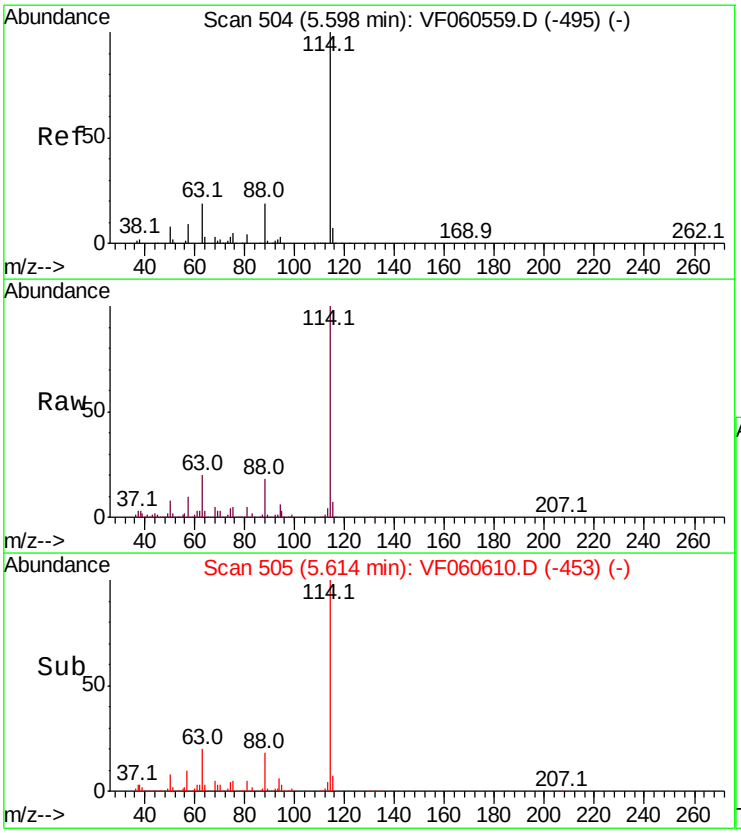

#33
1,2-Dichloroethane-d4
Concen: 49.683 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 65 Resp: 132890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 46.4 | 0.0 | 101.8 |

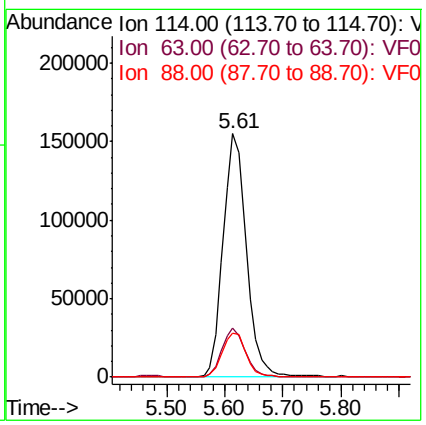


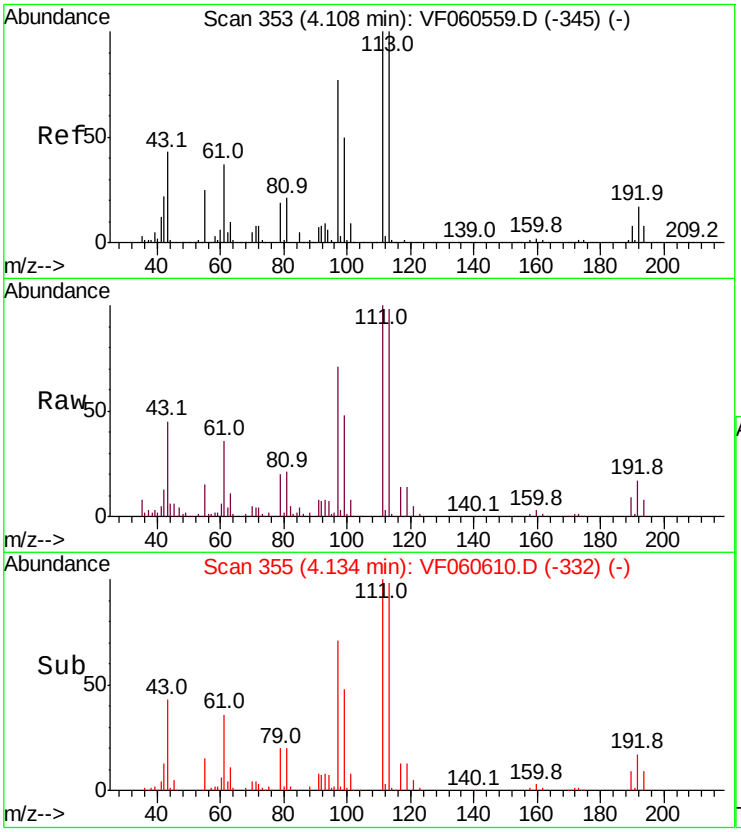




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:114 Resp: 434362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 39.0 |
| 88 | 18.2 | 0.0 | 38.2 |



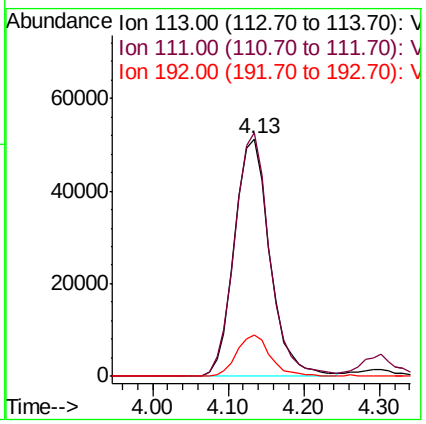


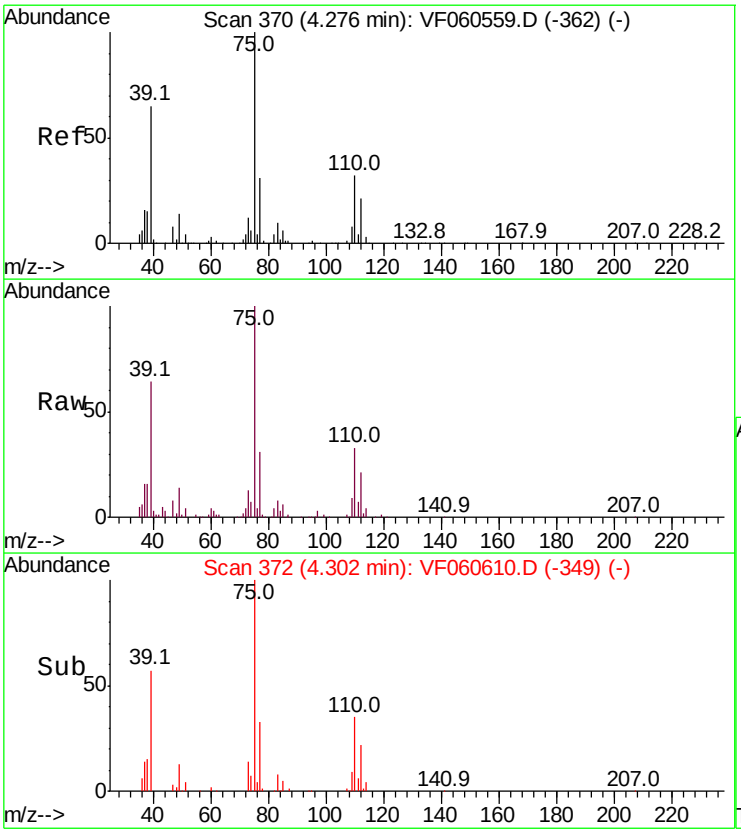

#35
Dibromofluoromethane
Concen: 49.757 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:113 Resp: 166978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 79.9 | 119.9 |
| 192 | 17.3 | 13.3 | 19.9 |

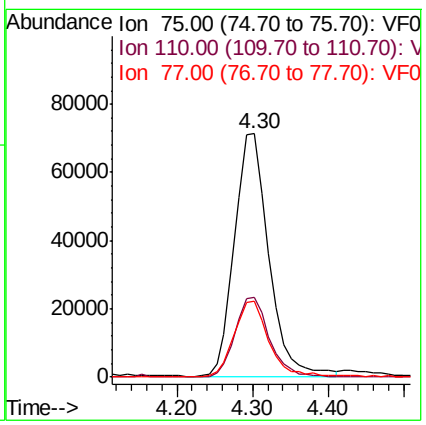


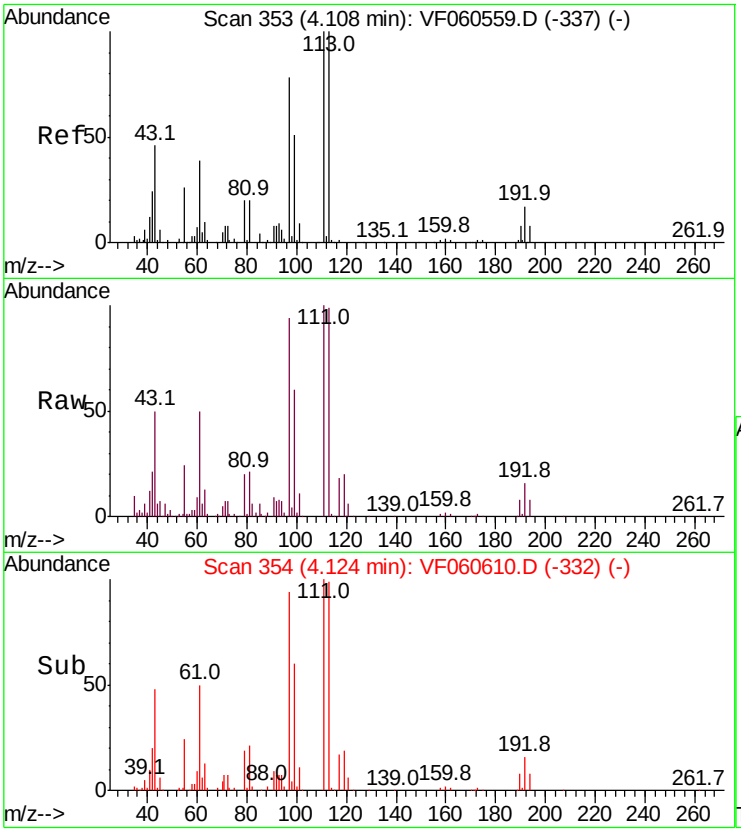




#36
1,1-Dichloropropene
Concen: 47.214 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 75 Resp: 225808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.6 | 16.2 | 48.6 |
| 77 | 31.3 | 25.0 | 37.6 |



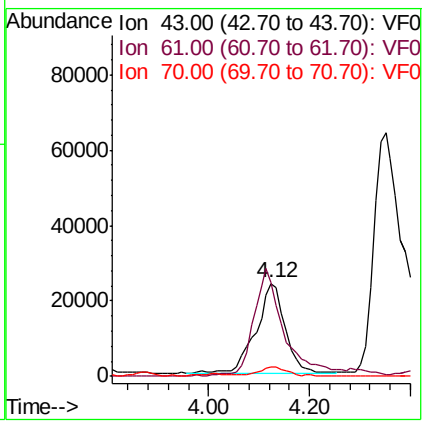


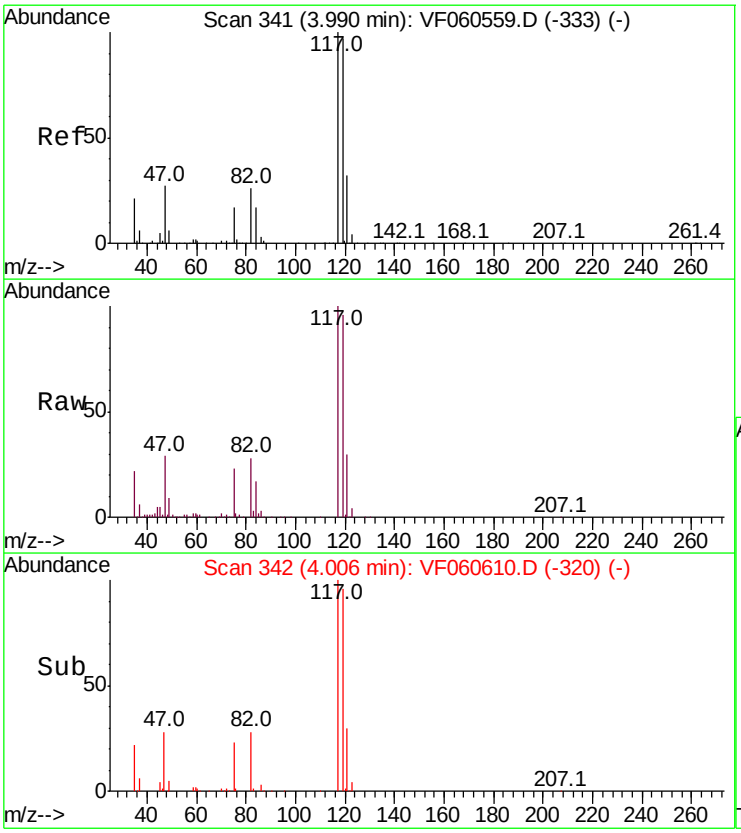

#37
Ethyl Acetate
Concen: 42.678 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 97981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 101.3 | 63.4 | 95.2# |
| 70 | 9.9 | 9.3 | 13.9 |

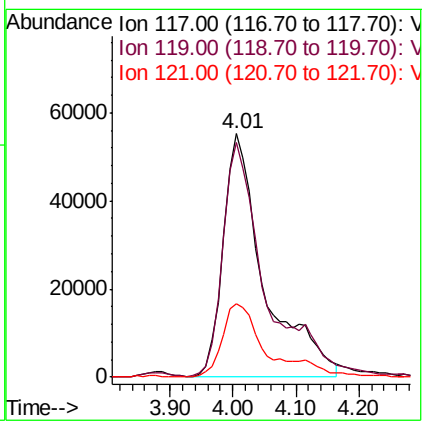


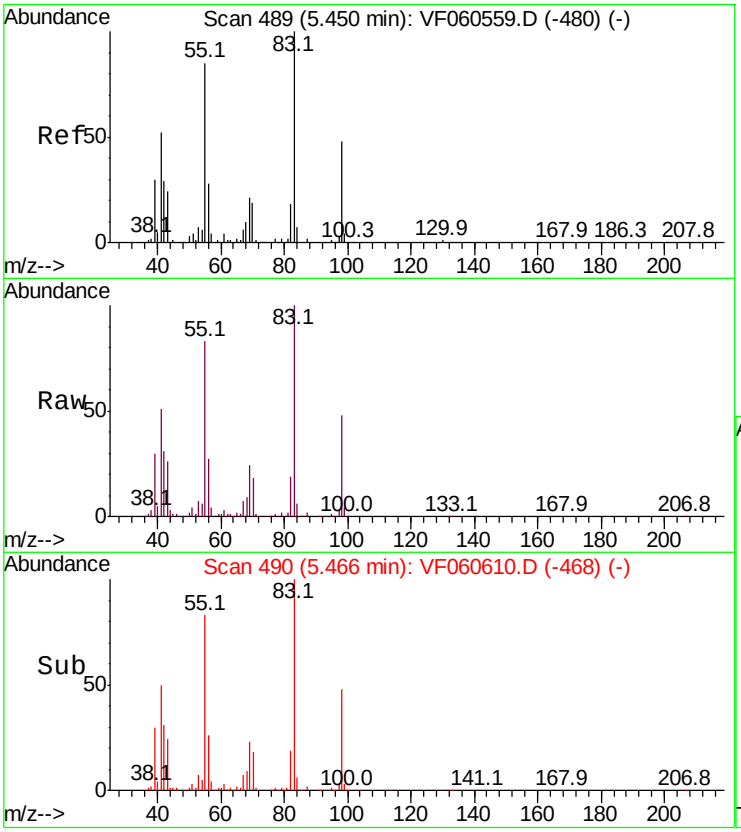




#38
Carbon Tetrachloride
Concen: 61.237 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:117 Resp: 250261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 77.8 | 116.6 |
| 121 | 30.4 | 25.6 | 38.4 |



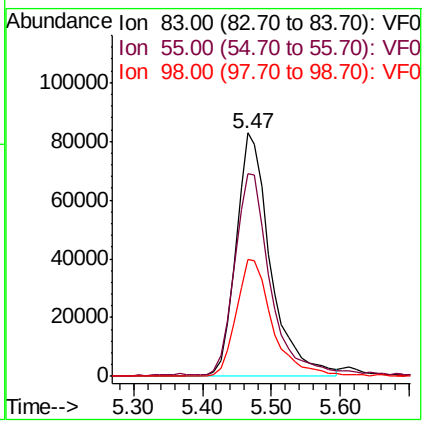


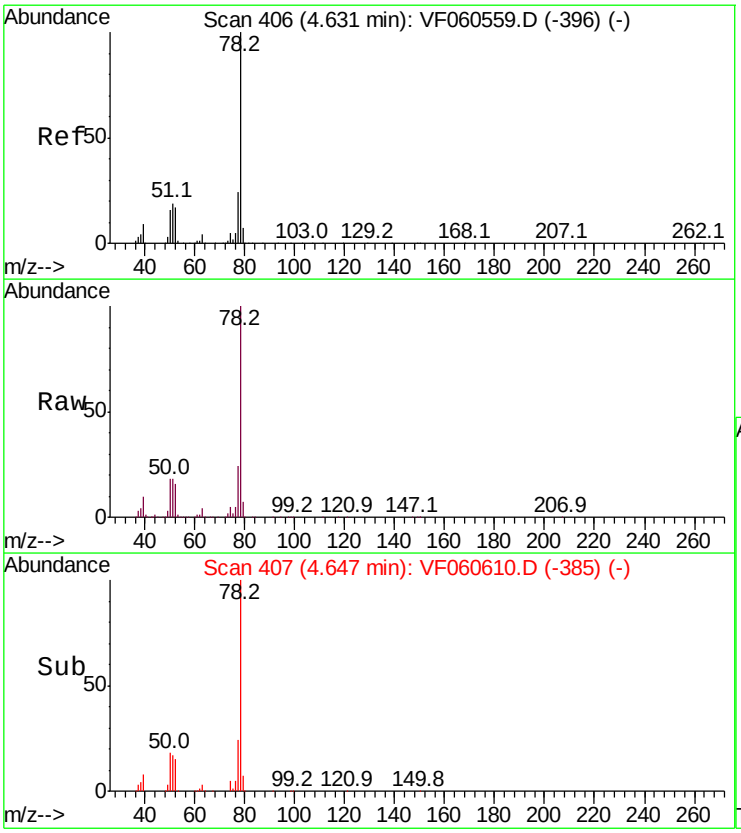

#39
Methylcyclohexane
Concen: 49.326 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 83 Resp: 287889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.2 | 69.1 | 103.7 |
| 98 | 47.8 | 38.6 | 57.8 |

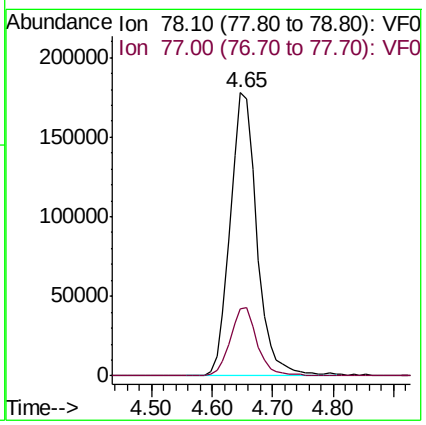


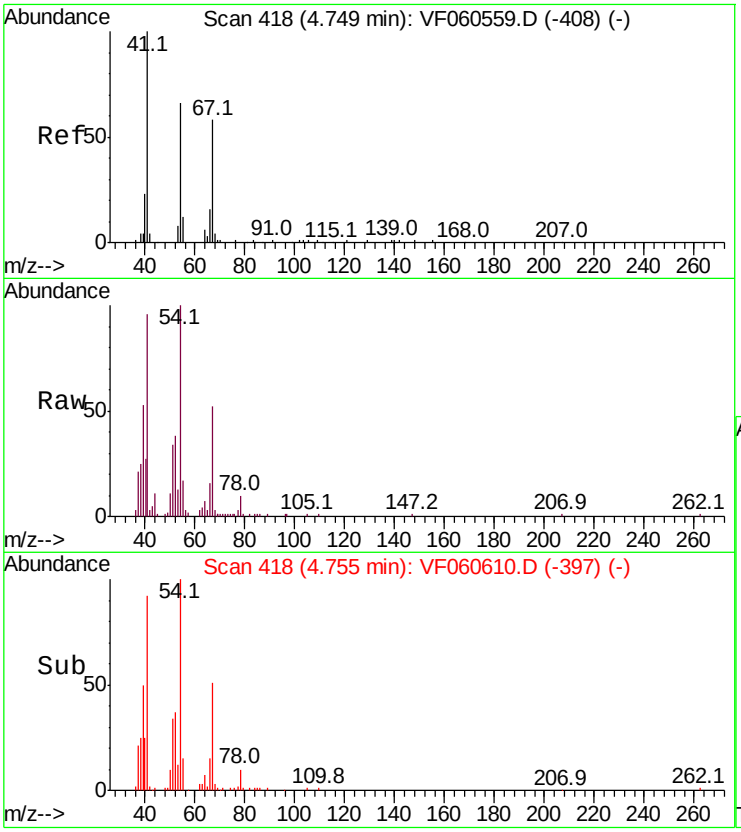




#40
Benzene
Concen: 47.295 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 78 Resp: 549052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 19.3 | 28.9 |



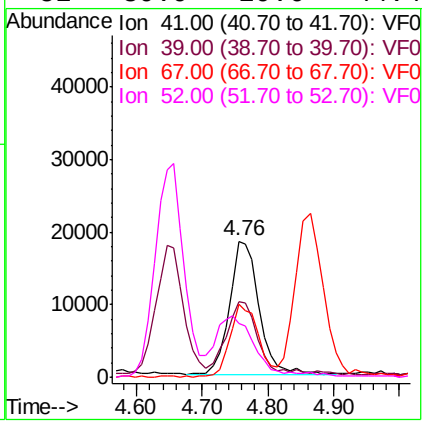


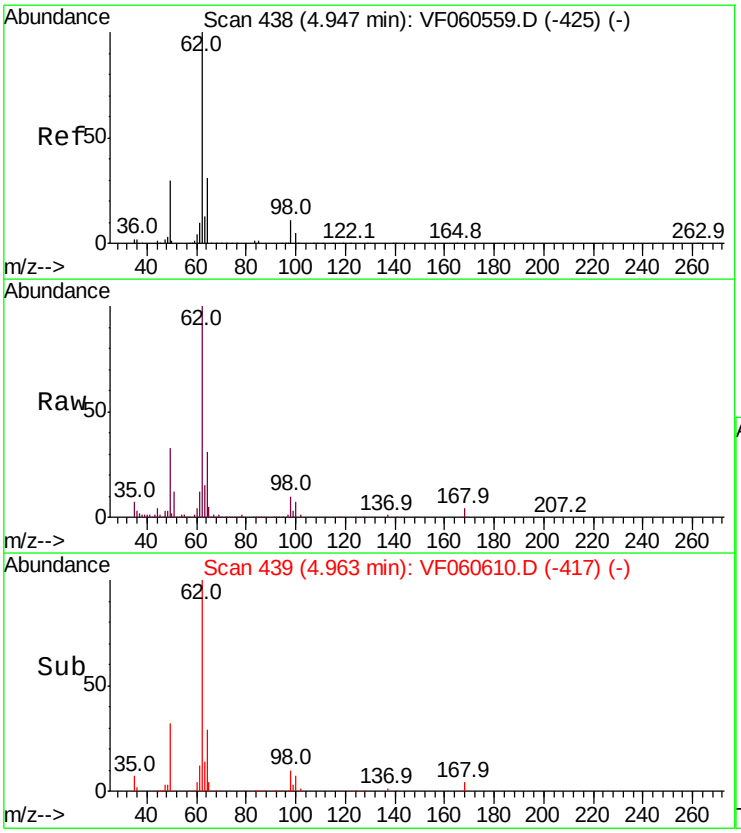

#41
Methacrylonitrile
Concen: 44.517 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 41 Resp: 57879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.6 | 45.6 | 68.4 |
| 67 | 54.0 | 45.3 | 67.9 |
| 52 | 39.9 | 29.6 | 44.4 |

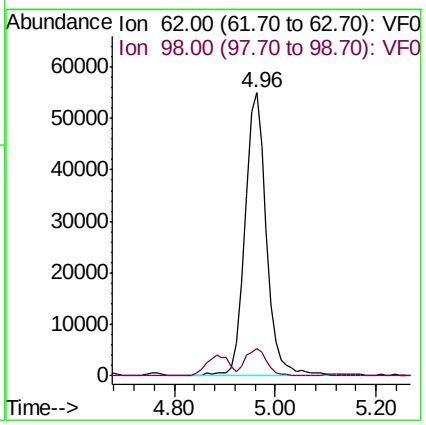


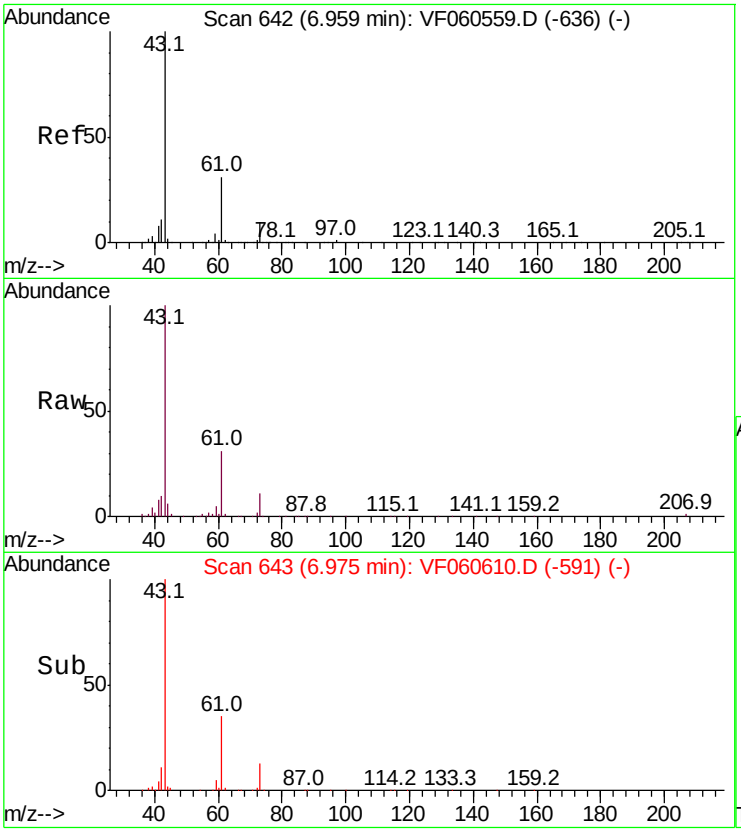




#42
1,2-Dichloroethane
Concen: 48.996 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 62 Resp: 163252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.9 | 0.0 | 22.4 |



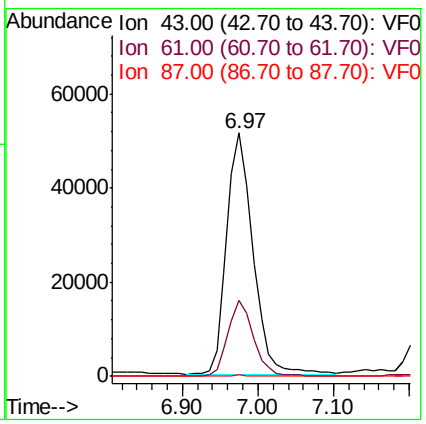


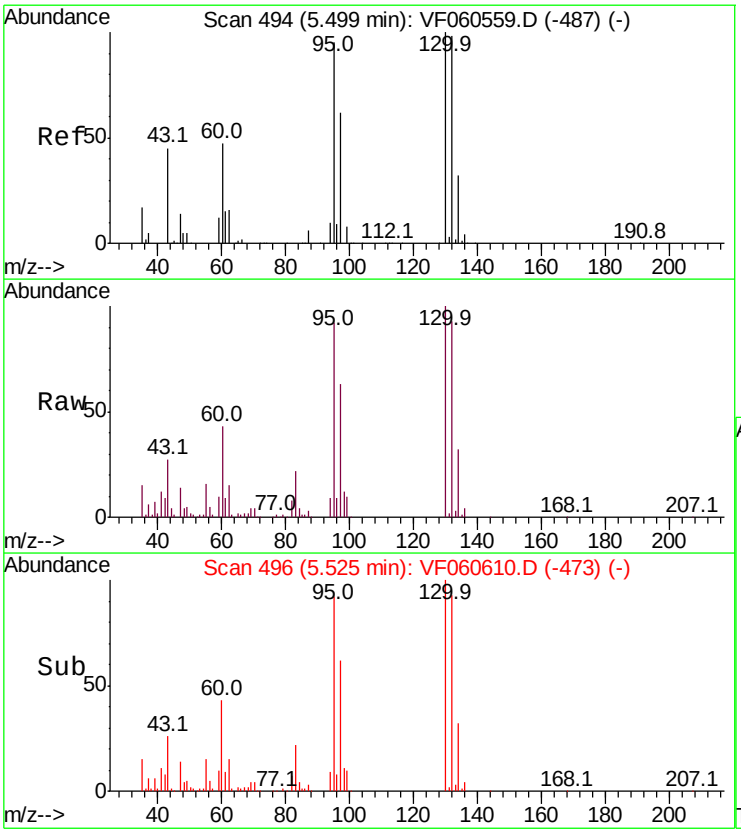

#43
Isopropyl Acetate
Concen: 42.349 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 122984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 31.4 | 24.2 | 36.2 |
| 87 | 0.5 | 0.2 | 0.4# |

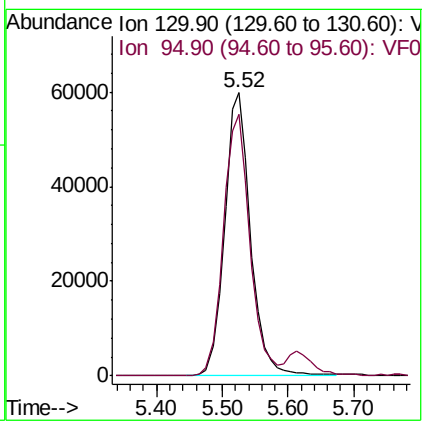


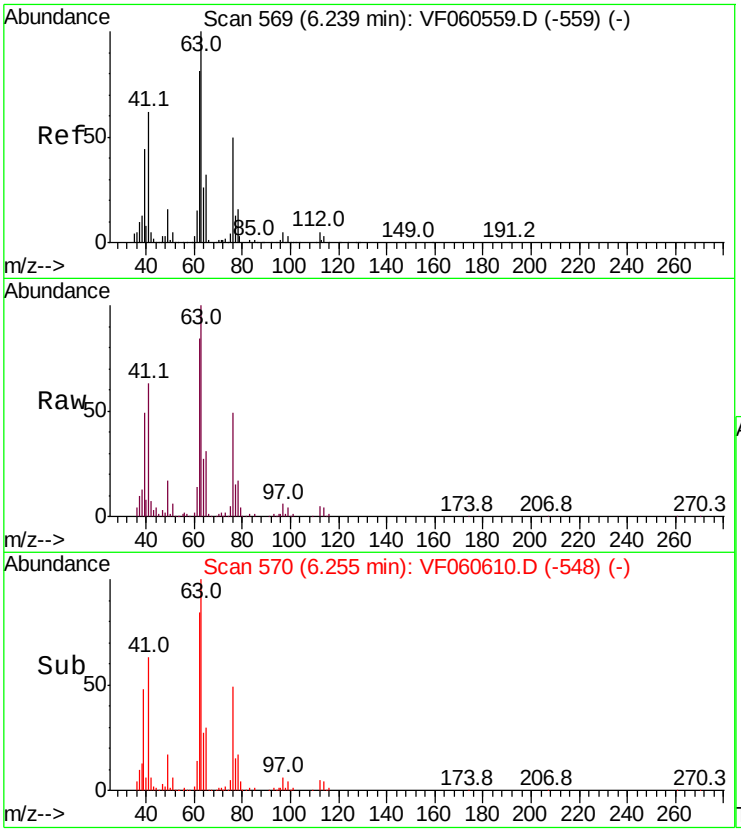




#44
Trichloroethene
Concen: 47.216 ug/l
RT: 5.52 min Scan# 496
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:130 Resp: 164737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.4 | 0.0 | 191.0 |



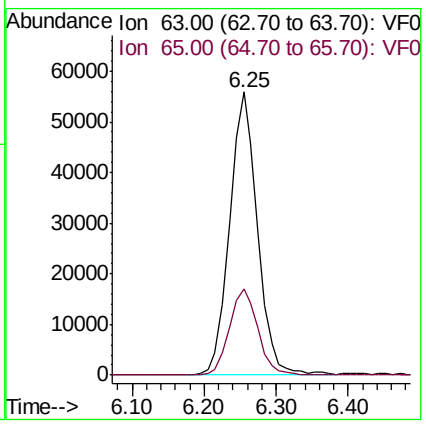


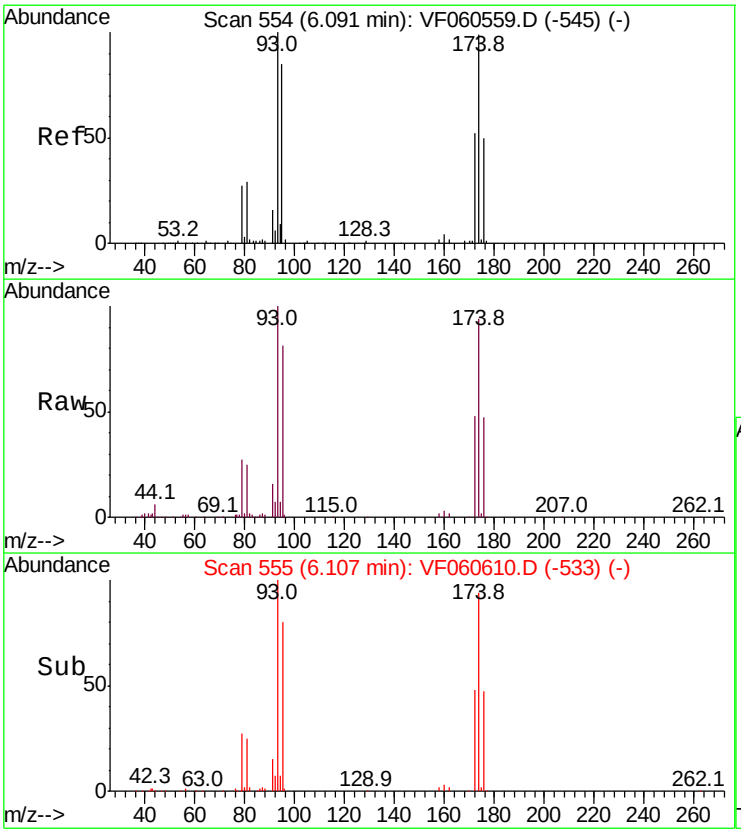

#45
1,2-Dichloropropane
Concen: 50.646 ug/l
RT: 6.25 min Scan# 570
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 63 Resp: 150373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.6 | 25.4 | 38.0 |

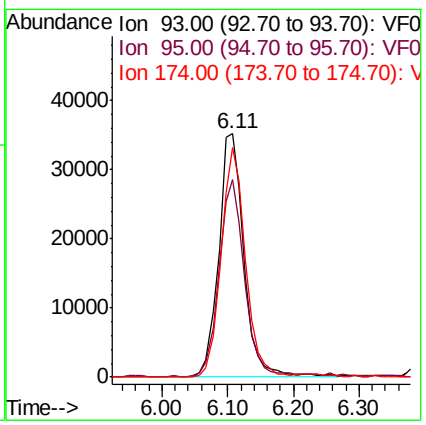


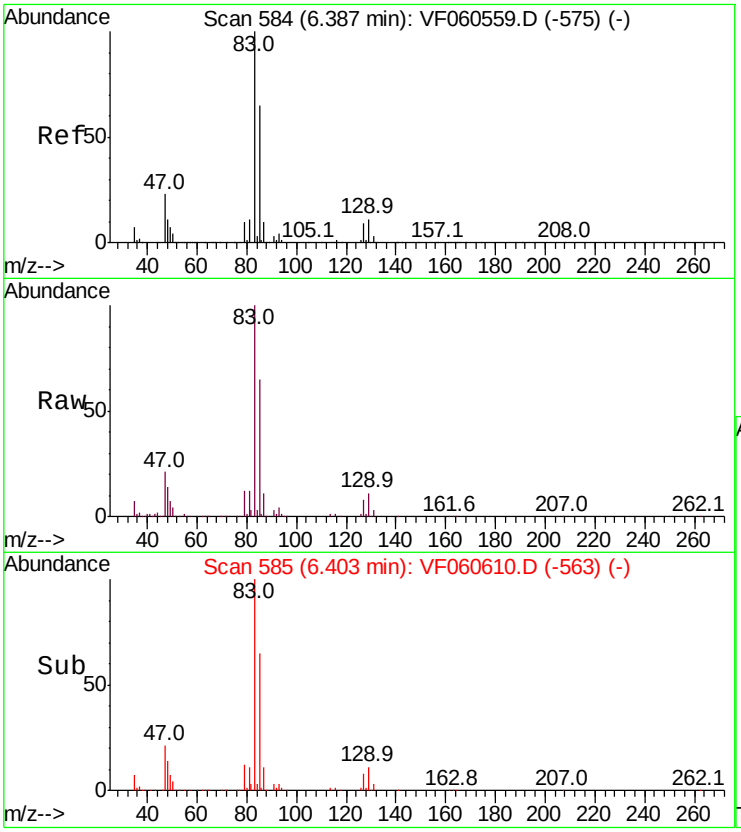




#46
Dibromomethane
Concen: 49.990 ug/l
RT: 6.11 min Scan# 555
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 93 Resp: 94162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.1 | 68.6 | 102.8 |
| 174 | 96.2 | 79.0 | 118.4 |



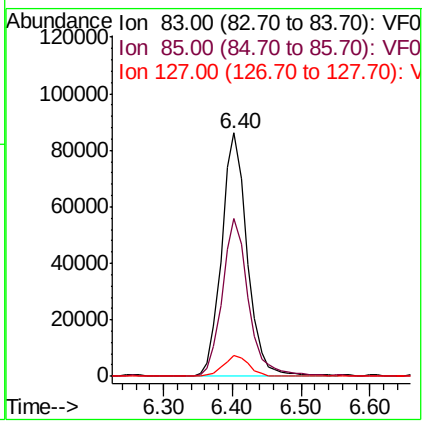


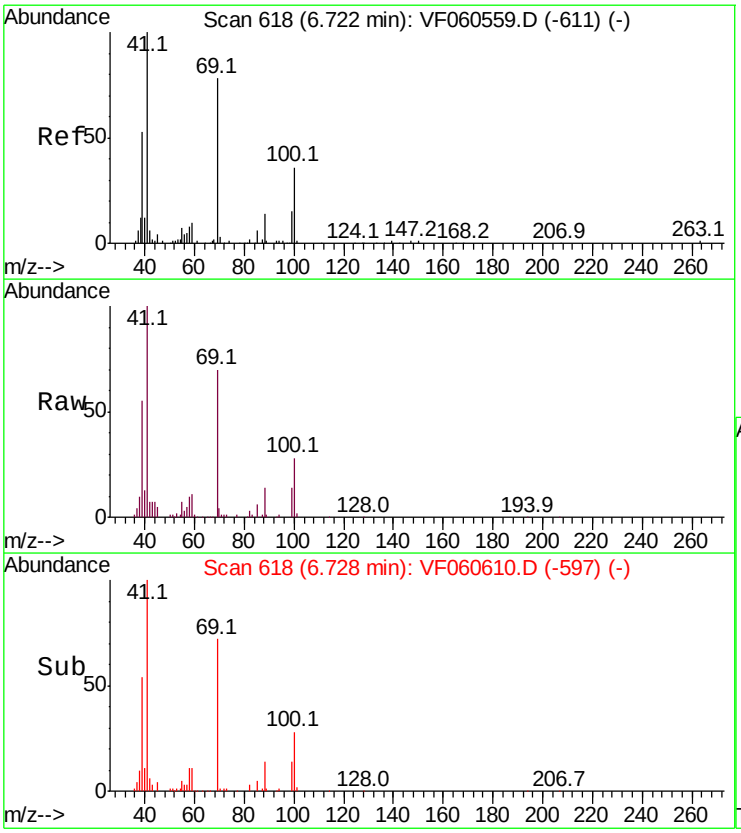

#47
Bromodichloromethane
Concen: 48.918 ug/l
RT: 6.40 min Scan# 585
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 83 Resp: 222247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 51.8 | 77.6 |
| 127 | 8.4 | 7.0 | 10.4 |

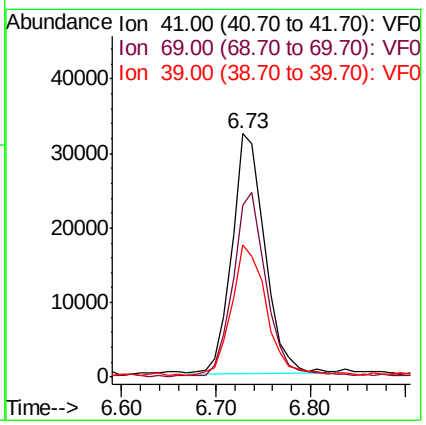


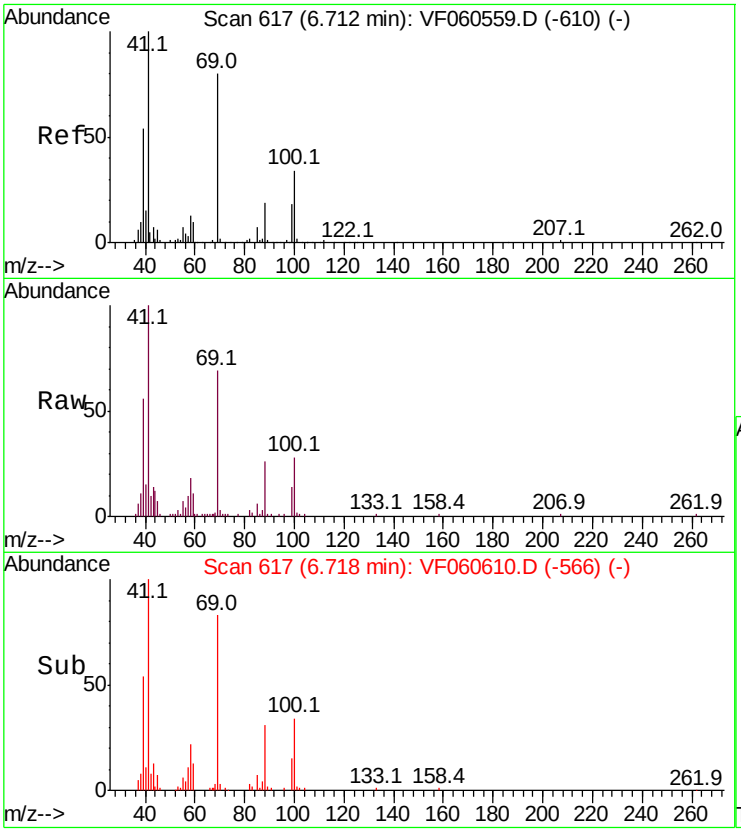




#48
Methyl methacrylate
Concen: 42.435 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 41 Resp: 77451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 70.5 | 61.1 | 91.7 |
| 39 | 54.6 | 43.0 | 64.6 |



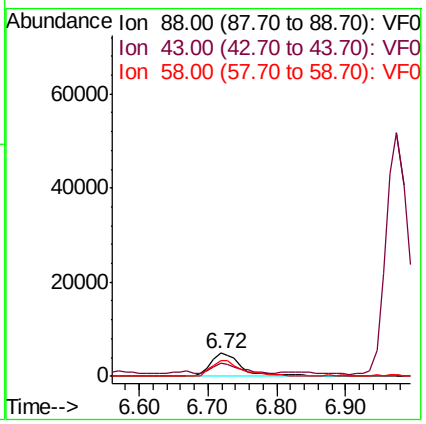


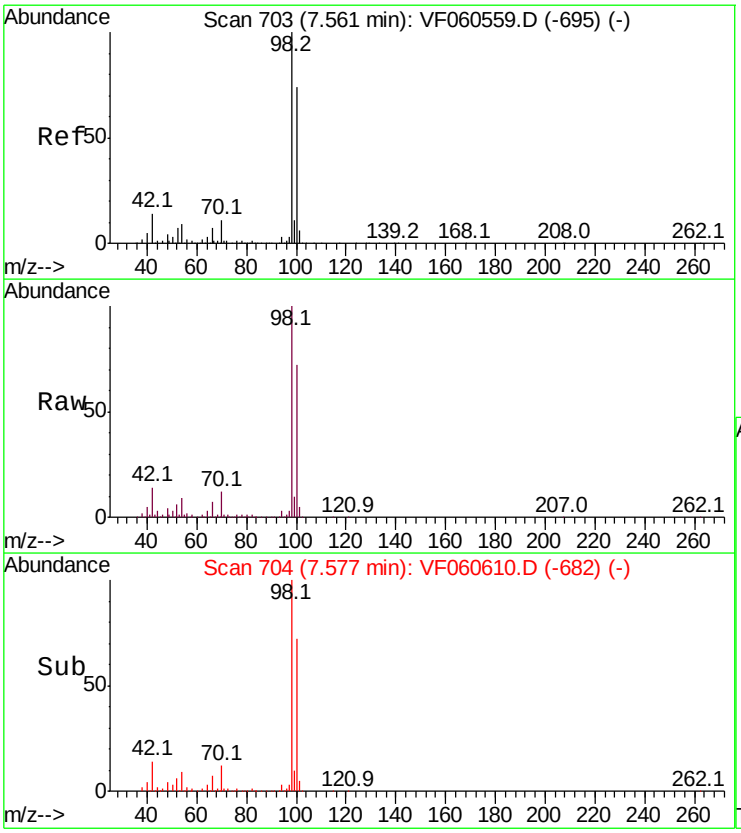

#49
1,4-Dioxane
Concen: 815.175 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 88 Resp: 15564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 55.1 | 61.2 | 91.8# |
| 58 | 70.9 | 56.9 | 85.3 |

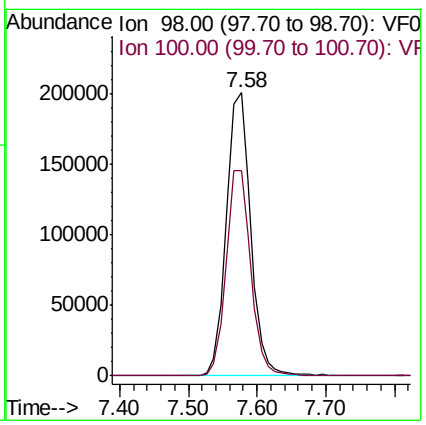


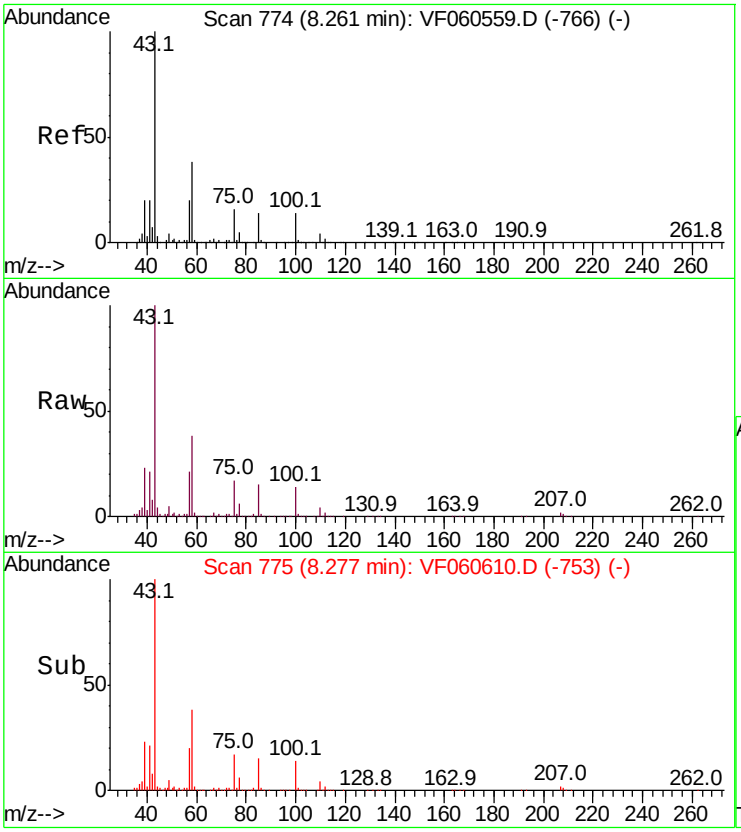




#50
Toluene-d8
Concen: 49.693 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 98 Resp: 494003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 72.4 | 59.4 | 89.2 |



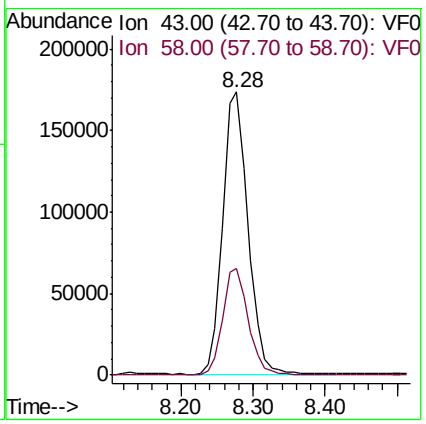


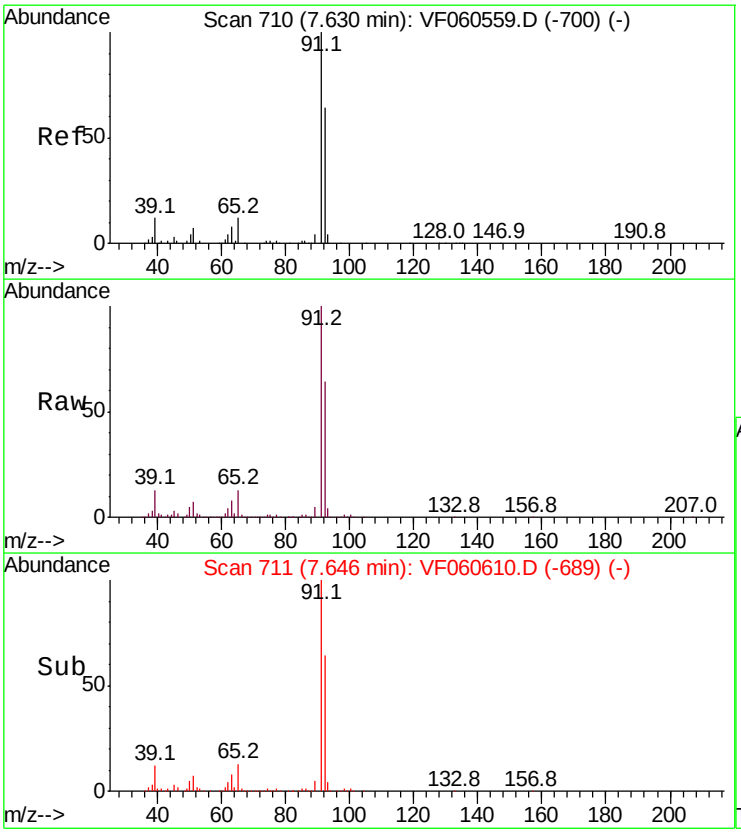

#51
4-Methyl-2-Pentanone
Concen: 216.665 ug/l
RT: 8.28 min Scan# 775
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 423119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.1 | 45.1 |

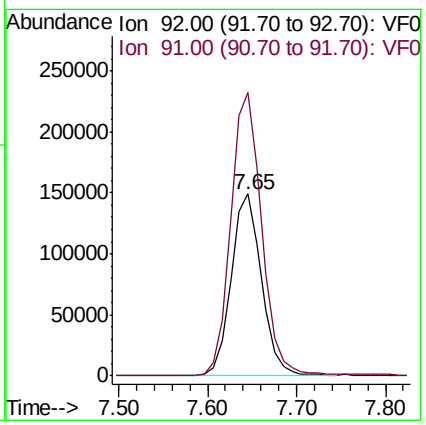


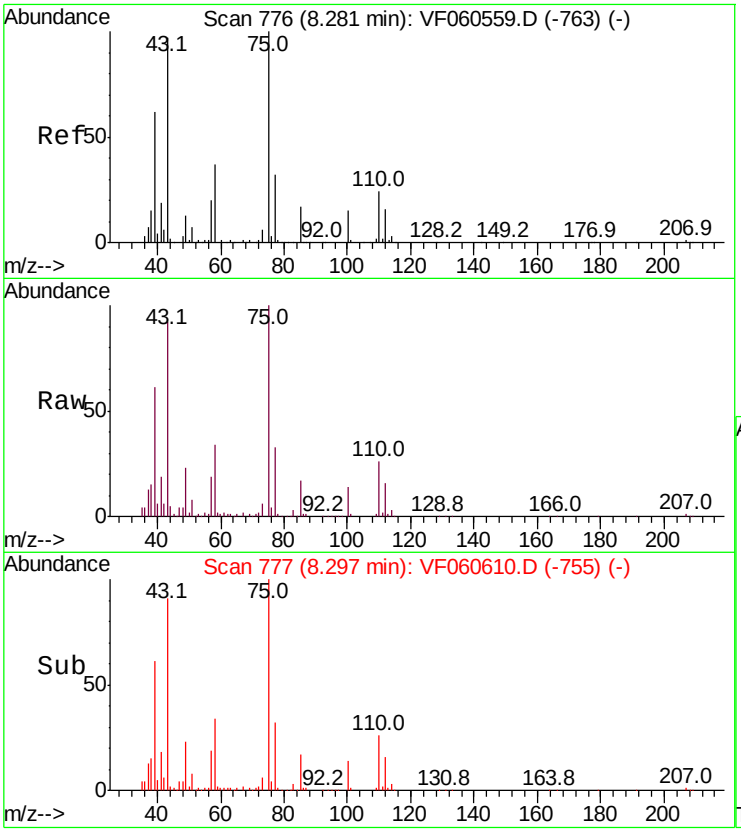




#52
Toluene
Concen: 46.934 ug/l
RT: 7.65 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 92 Resp: 354924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 155.7 | 124.5 | 186.7 |



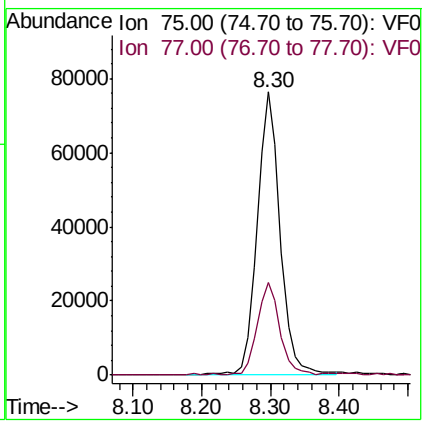


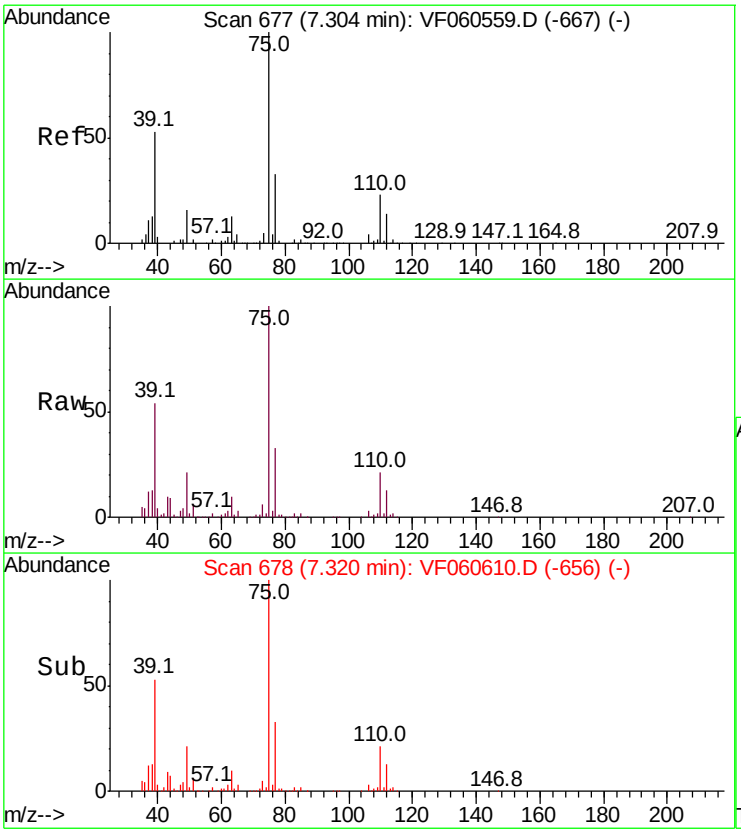

#53
t-1,3-Dichloropropene
Concen: 45.337 ug/l
RT: 8.30 min Scan# 777
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 75 Resp: 179020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 25.7 | 38.5 |

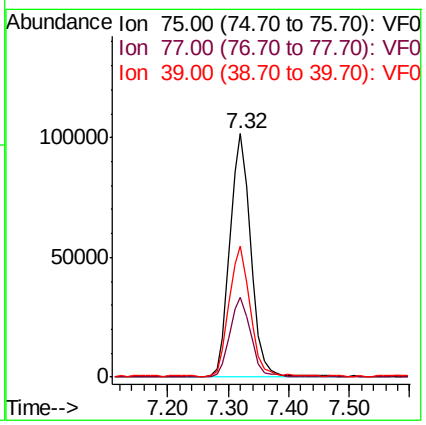


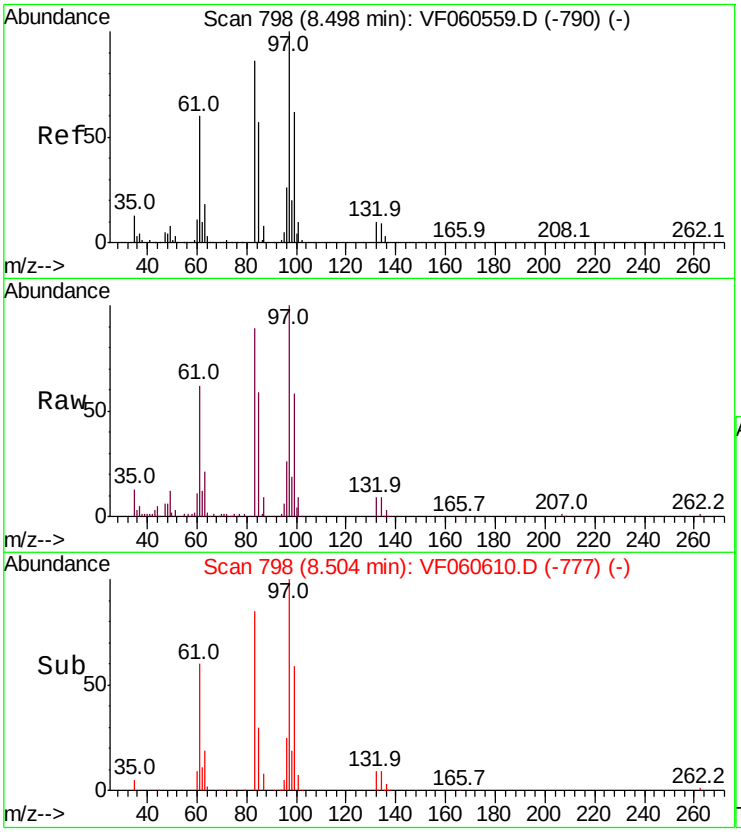




#54
cis-1,3-Dichloropropene
Concen: 49.174 ug/l
RT: 7.32 min Scan# 678
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 75 Resp: 245334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 26.7 | 40.1 |
| 39 | 53.8 | 43.0 | 64.4 |



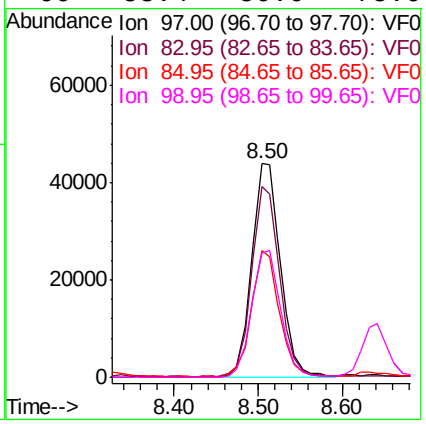


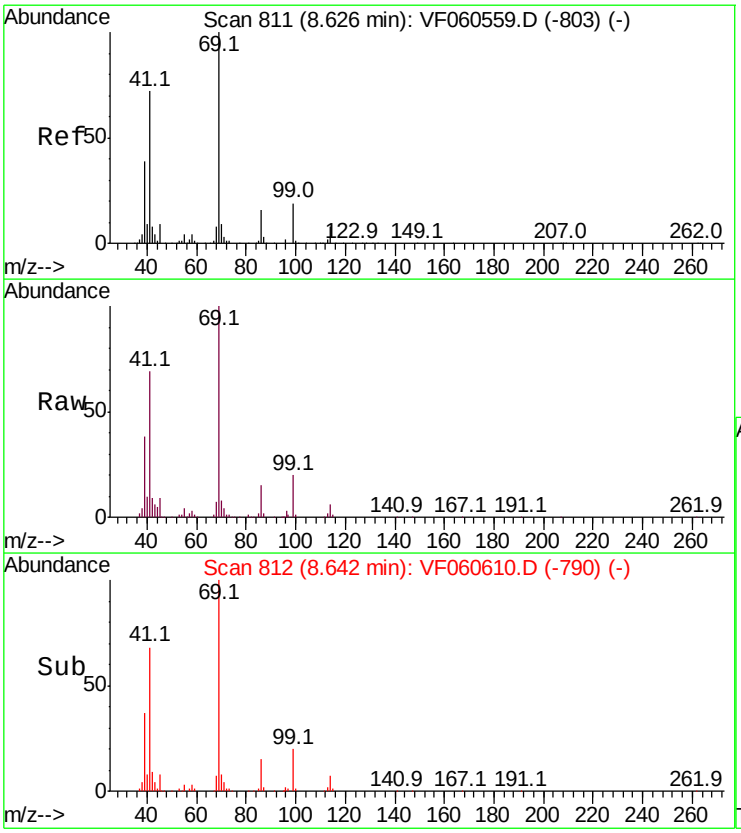

#55
1,1,2-Trichloroethane
Concen: 48.012 ug/l
RT: 8.50 min Scan# 798
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 97 Resp: 105655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.4 | 69.4 | 104.0 |
| 85 | 59.1 | 46.6 | 69.8 |
| 99 | 58.4 | 50.0 | 75.0 |

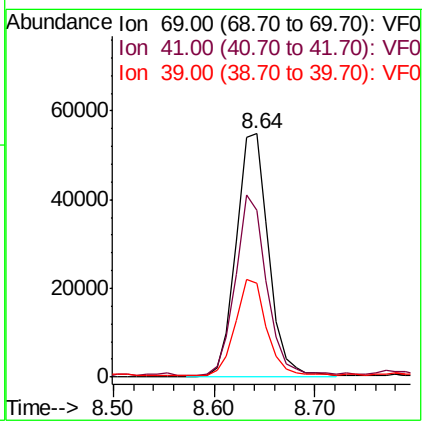


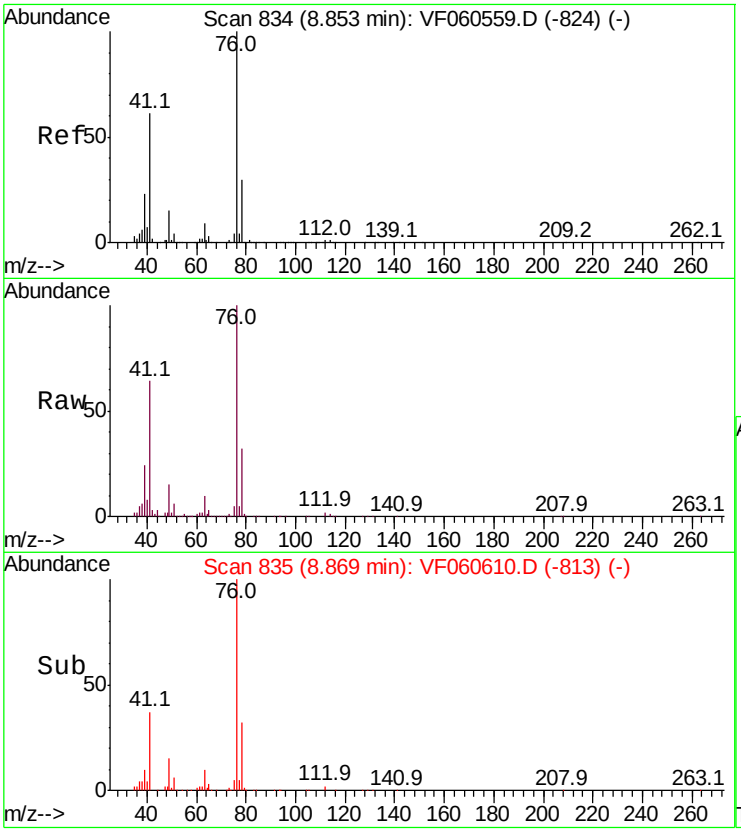




#56
Ethyl methacrylate
Concen: 43.517 ug/l
RT: 8.64 min Scan# 812
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 69 Resp: 123209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.7 | 59.2 | 88.8 |
| 39 | 38.5 | 32.3 | 48.5 |



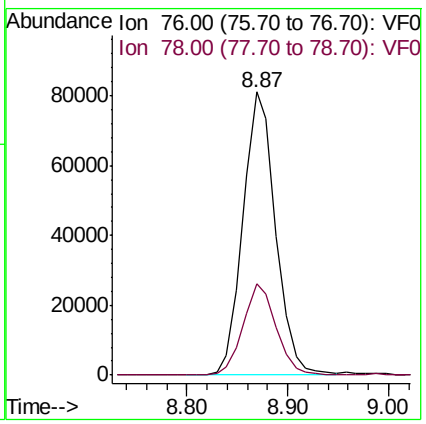


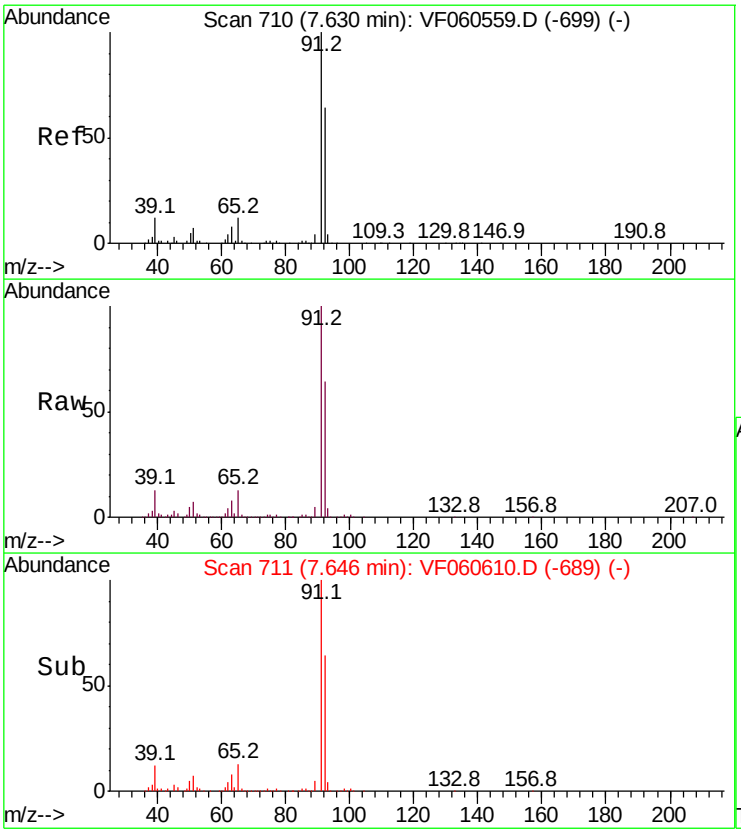

#57
1,3-Dichloropropane
Concen: 47.489 ug/l
RT: 8.87 min Scan# 835
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 76 Resp: 183369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 24.2 | 36.4 |

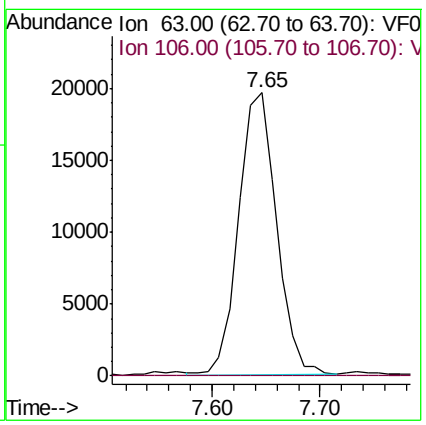


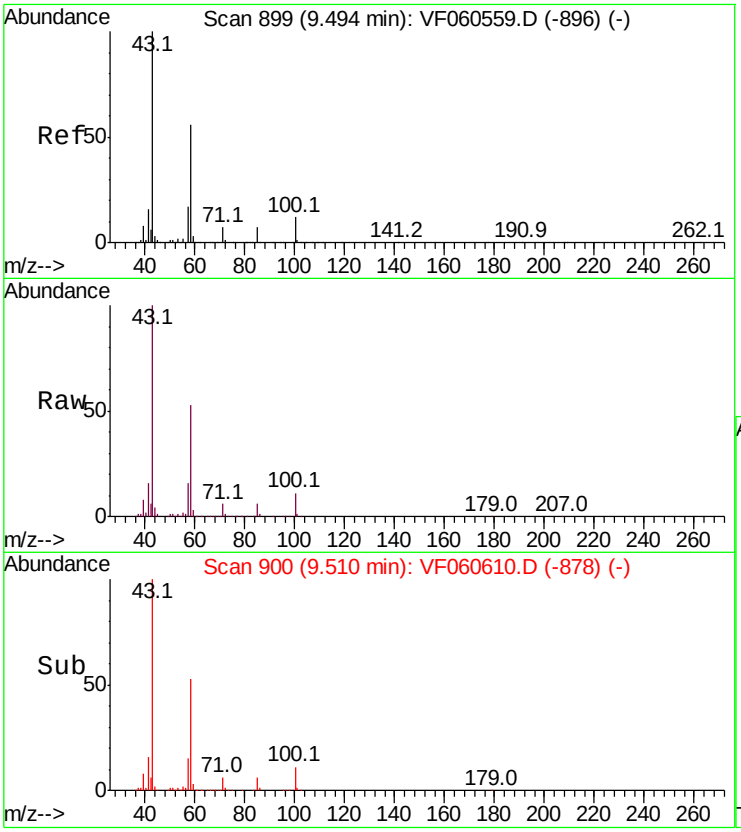




#58
2-Chloroethyl Vinyl ether
Concen: 267.080 ug/l
RT: 7.65 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 63 Resp: 48111

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



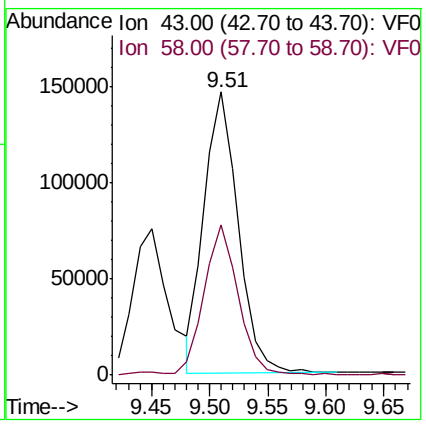


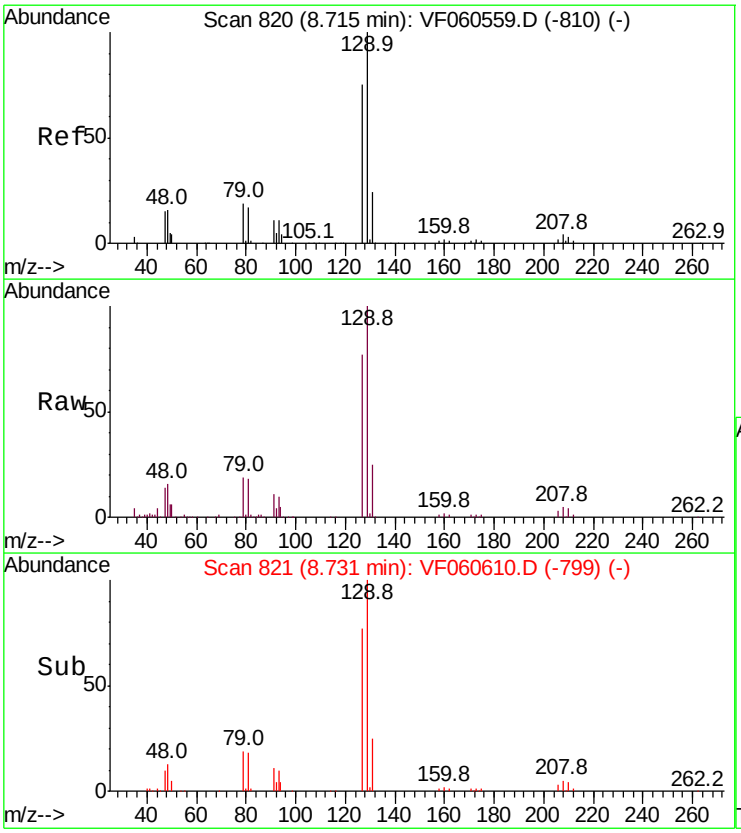

#59
2-Hexanone
Concen: 227.988 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 43 Resp: 297725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.2 | 26.1 | 78.3 |

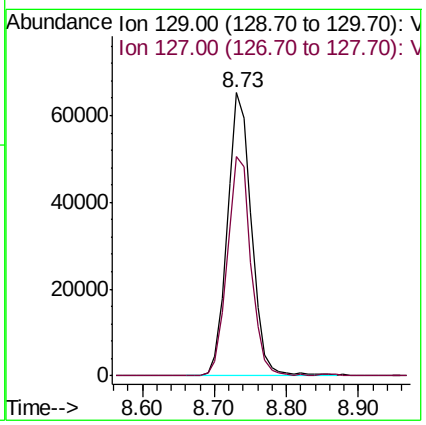


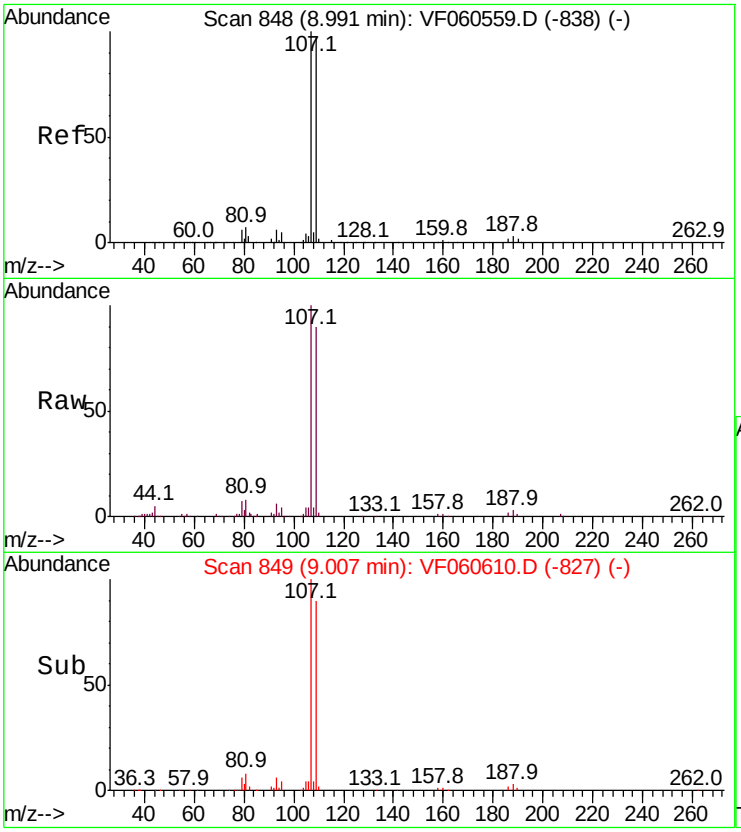




#60
Dibromochloromethane
Concen: 49.288 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:129 Resp: 151690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 37.8 | 113.3 |



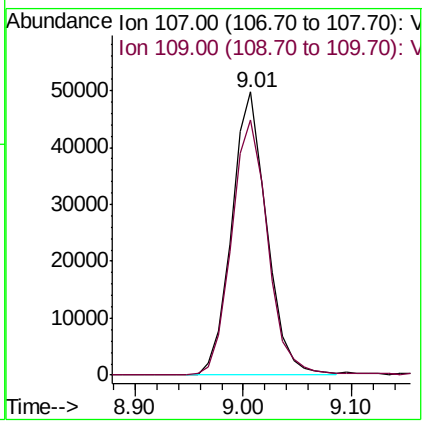


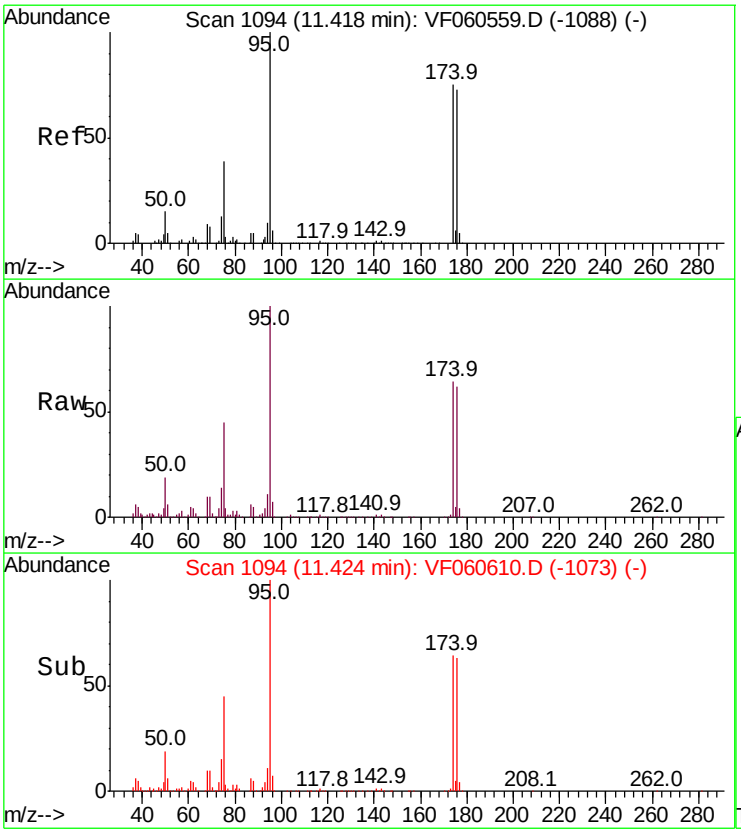

#61
1,2-Dibromoethane
Concen: 48.401 ug/l
RT: 9.01 min Scan# 849
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:107 Resp: 112008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 90.2 | 77.5 | 116.3 |

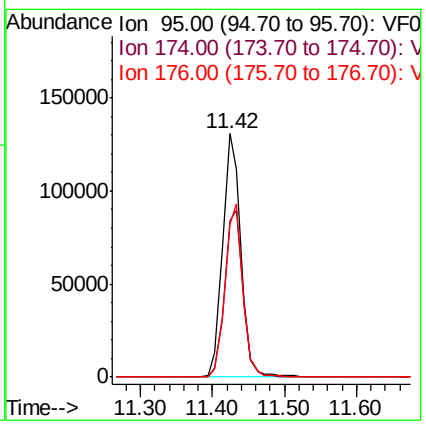


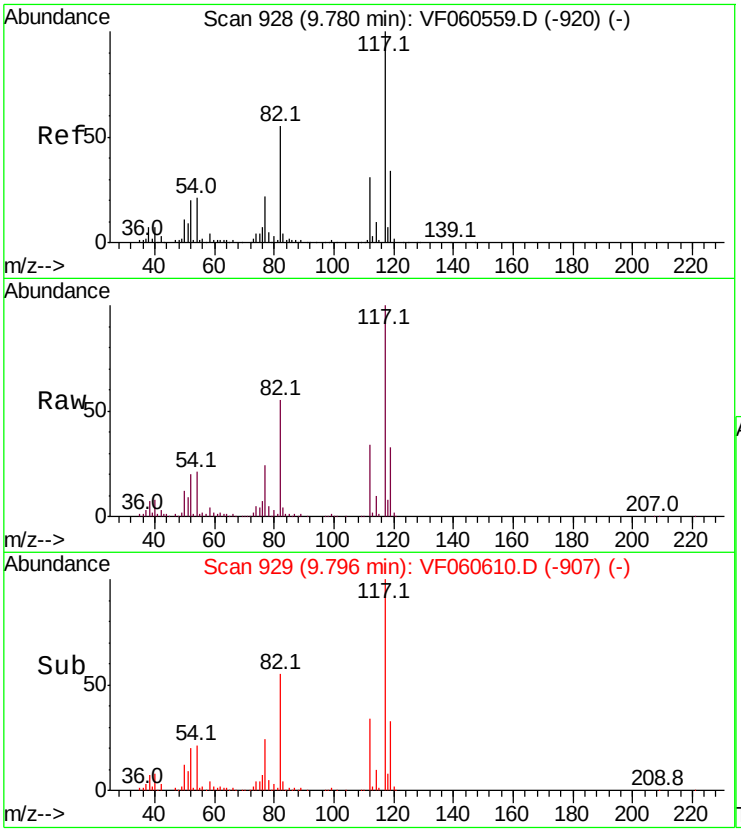




#62
4-Bromofluorobenzene
Concen: 52.437 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 95 Resp: 228017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.4 | 0.0 | 149.0 |
| 176 | 62.5 | 0.0 | 145.6 |



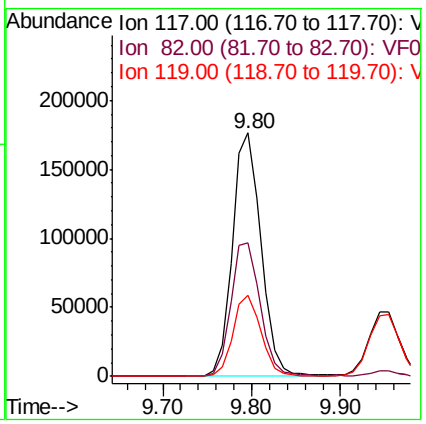


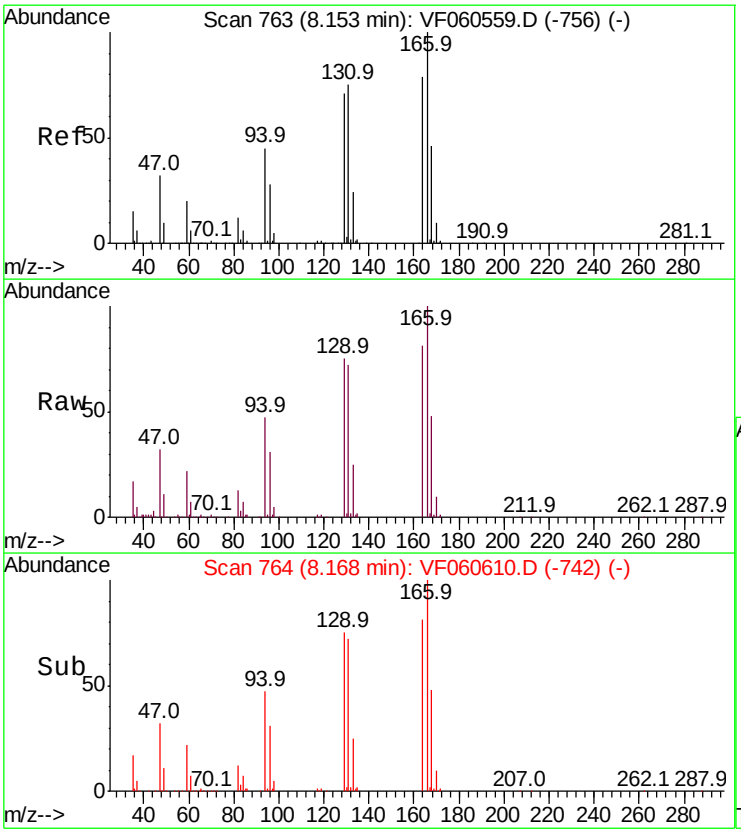

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:117 Resp: 396915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 43.9 | 65.9 |
| 119 | 33.3 | 27.4 | 41.0 |

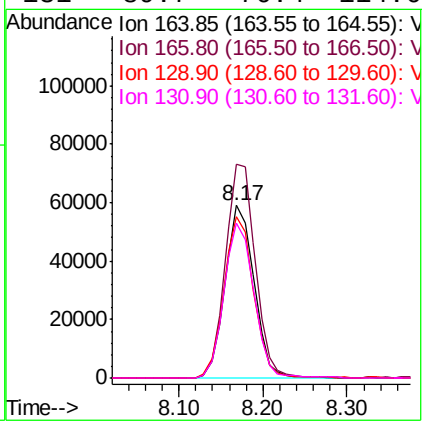


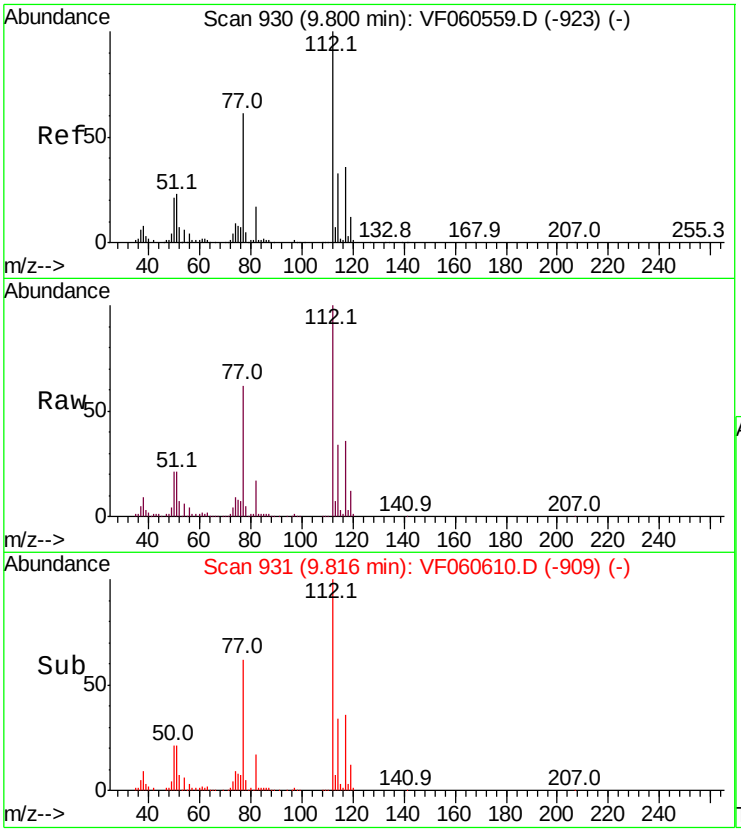




#64
Tetrachloroethene
Concen: 45.683 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:164 Resp: 142105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.9 | 101.5 | 152.3 |
| 129 | 93.3 | 72.5 | 108.7 |
| 131 | 89.7 | 76.4 | 114.6 |



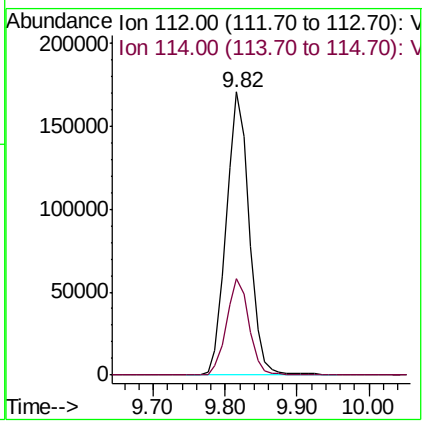


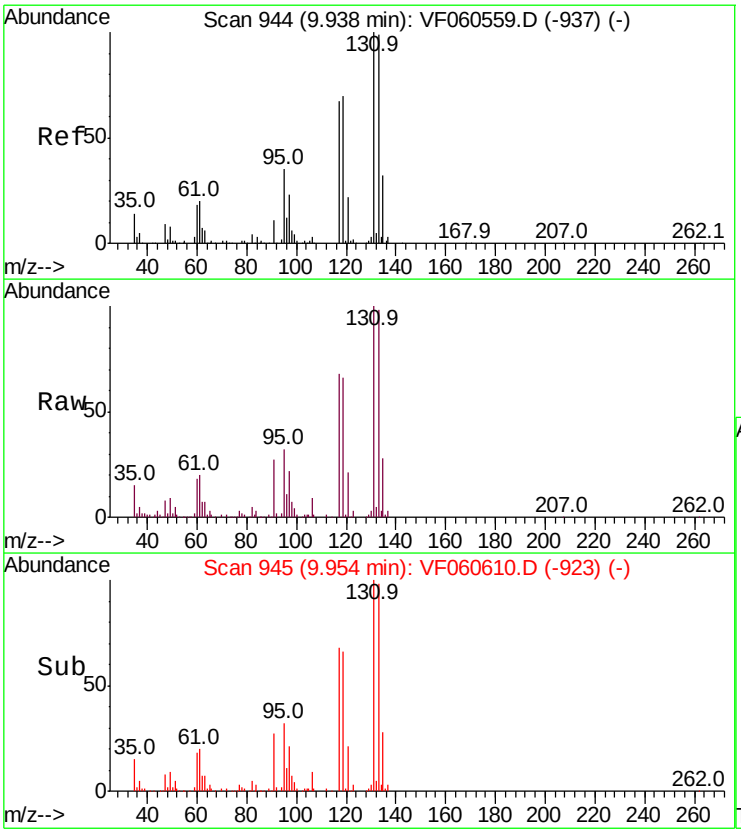

#65
Chlorobenzene
Concen: 46.842 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:112 Resp: 380208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.9 | 26.6 | 40.0 |

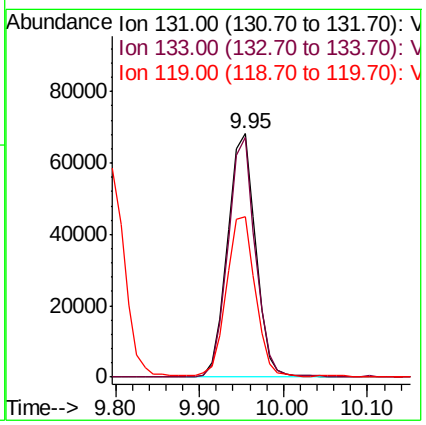


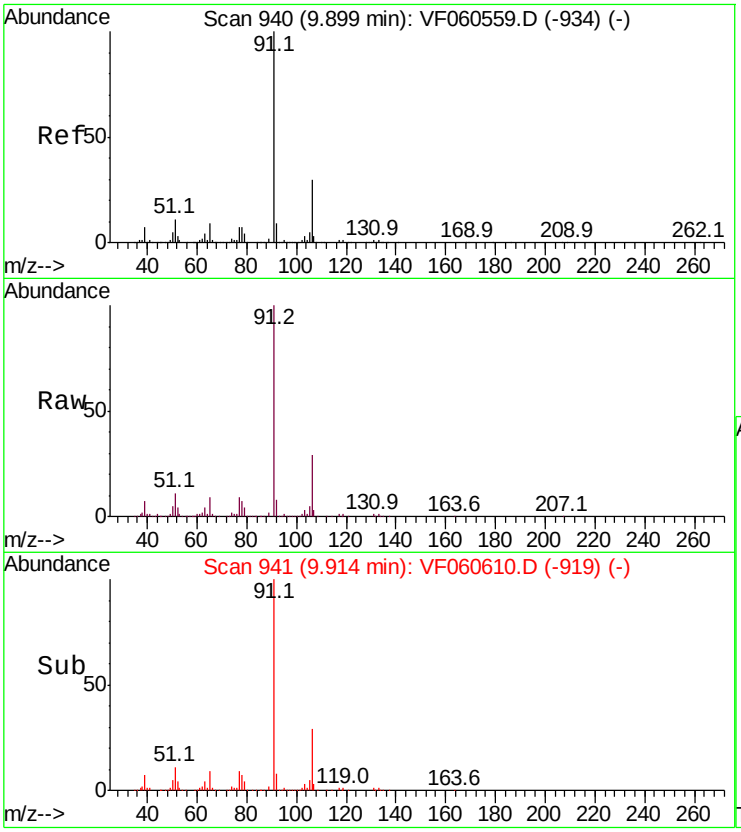




#66
1,1,1,2-Tetrachloroethane
Concen: 46.186 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:131 Resp: 158404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.4 | 49.5 | 148.7 |
| 119 | 65.9 | 35.2 | 105.6 |



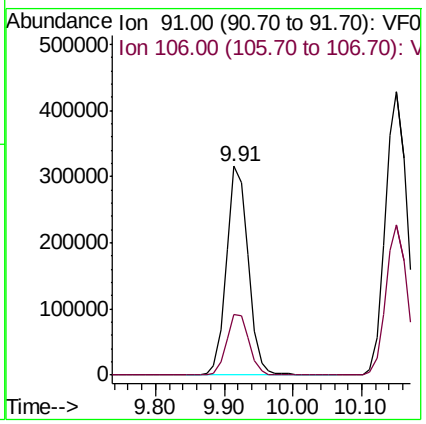


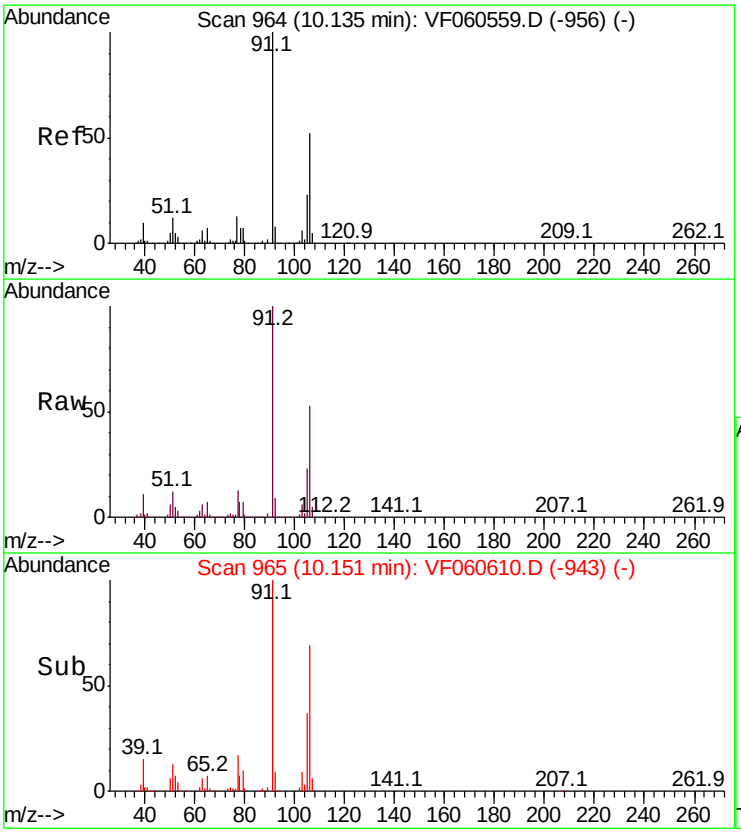

#67
Ethyl Benzene
Concen: 47.149 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 91 Resp: 694492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 24.2 | 36.4 |

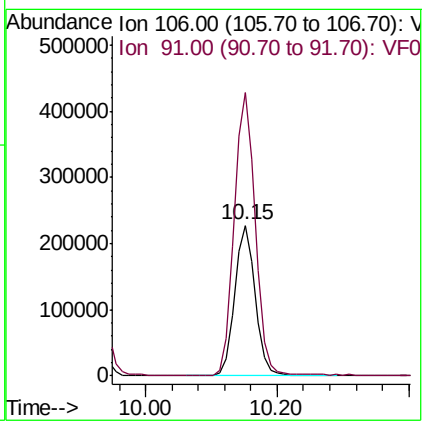


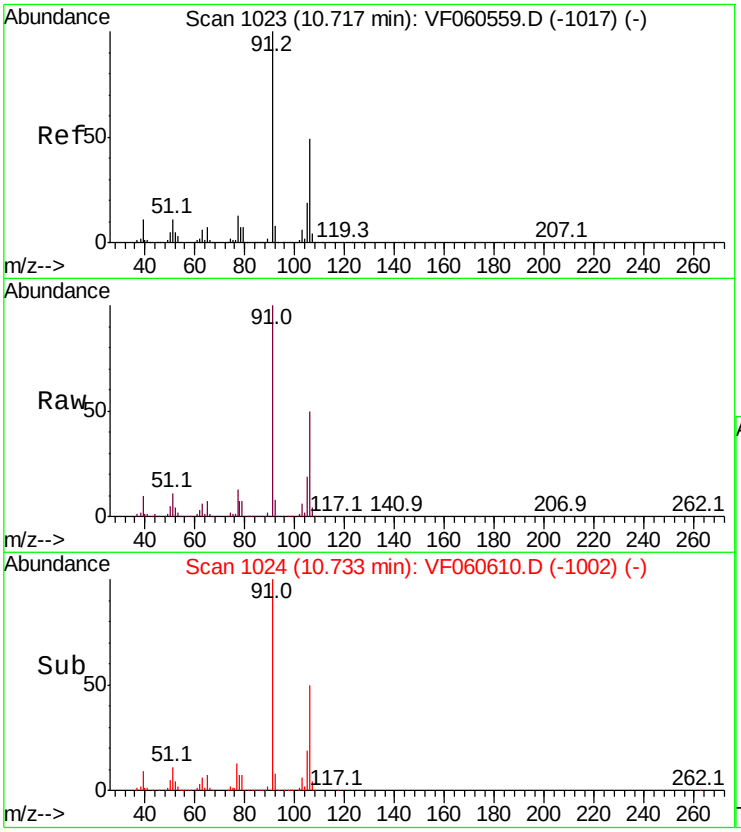




#68
m/p-Xylenes
Concen: 89.334 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:106 Resp: 495668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 188.4 | 153.9 | 230.9 |



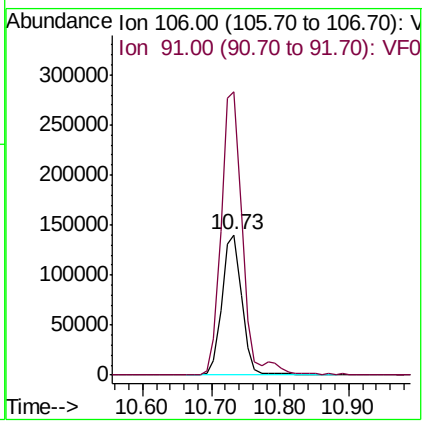


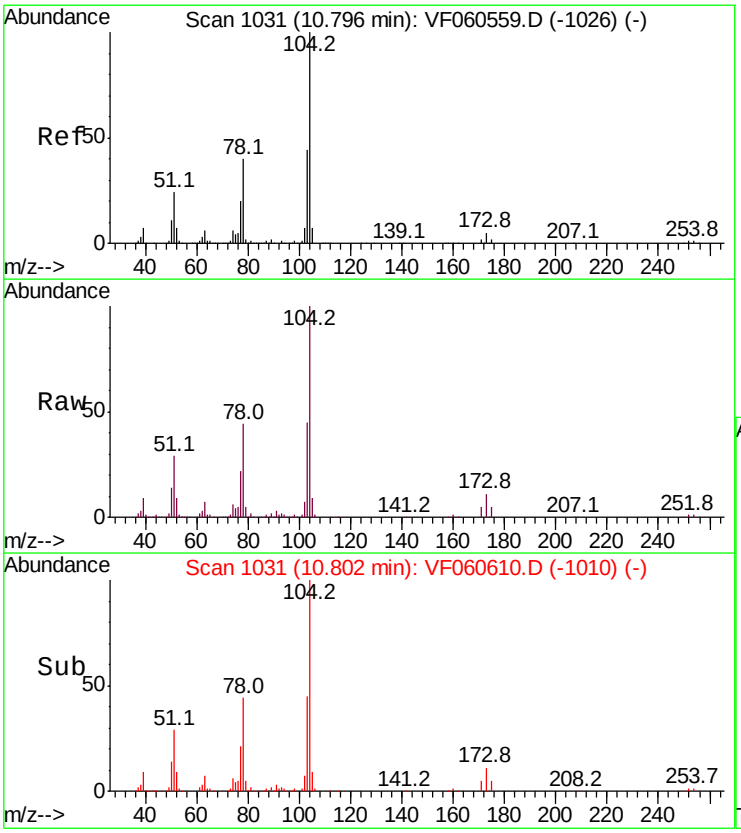

#69
o-Xylene
Concen: 46.361 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:106 Resp: 280882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.0 | 101.8 | 305.3 |

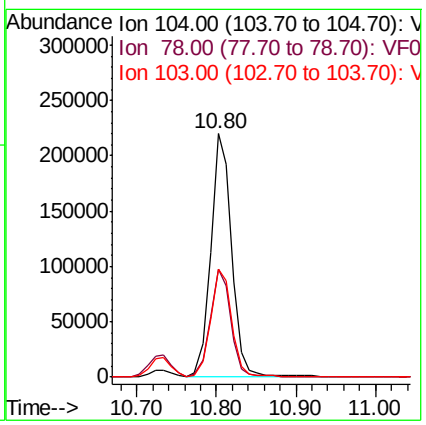


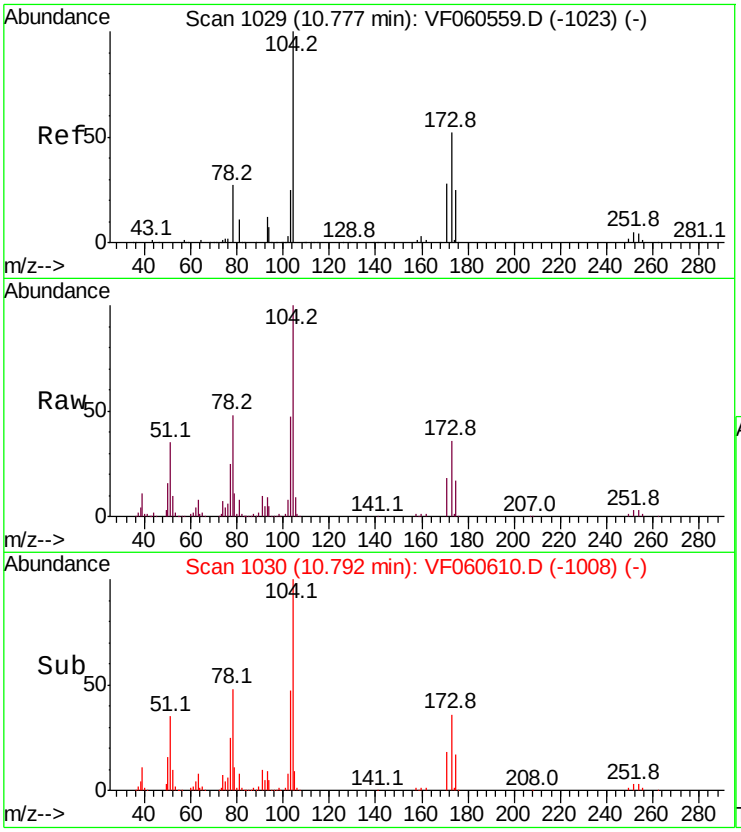




#70
Styrene
Concen: 46.000 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:104 Resp: 403762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.1 | 32.6 | 49.0 |
| 103 | 44.5 | 35.2 | 52.8 |



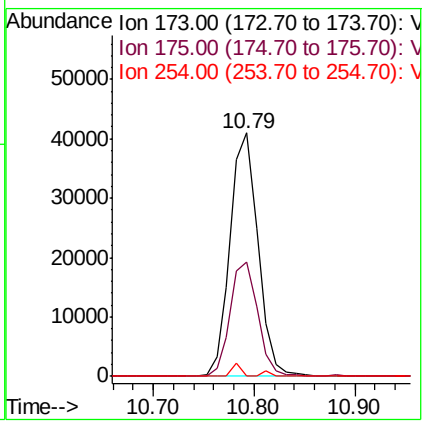


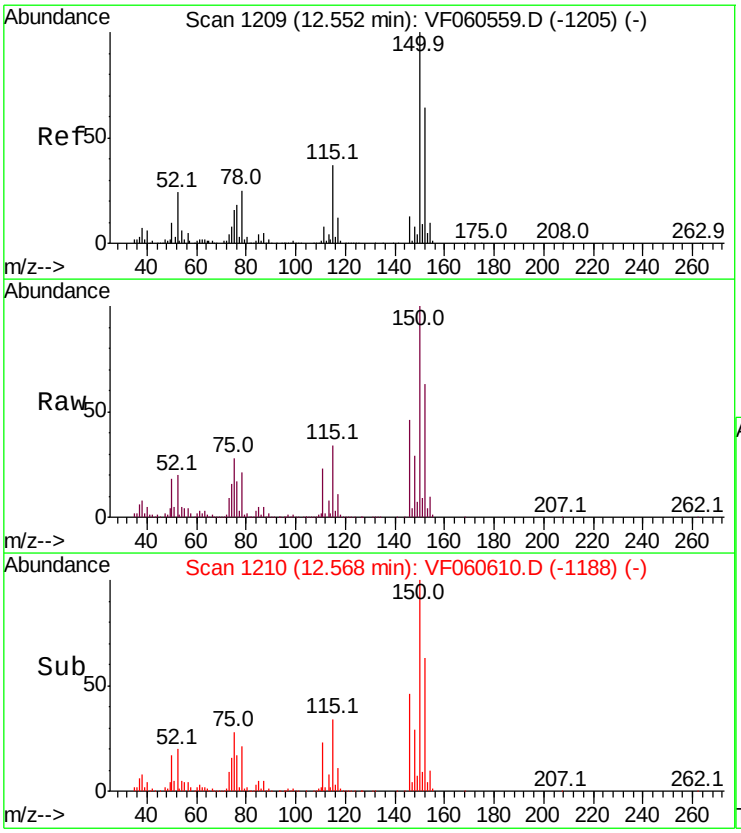

#71
Bromoform
Concen: 44.556 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:173 Resp: 78924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 24.3 | 72.9 |
| 254 | 0.0 | 6.7 | 10.1# |

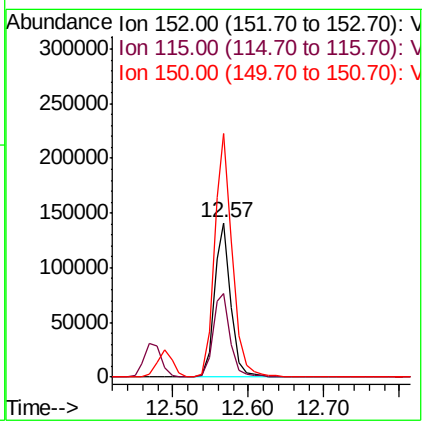


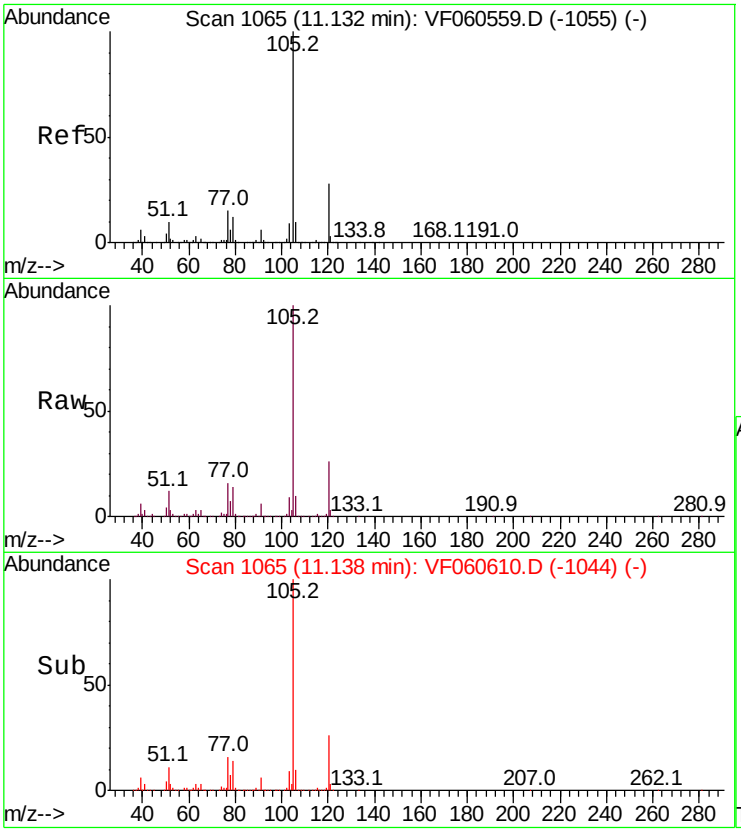




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:152 Resp: 214588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.9 | 29.6 | 88.8 |
| 150 | 157.7 | 0.0 | 315.6 |



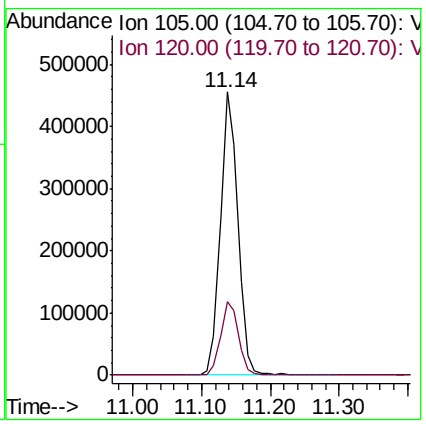


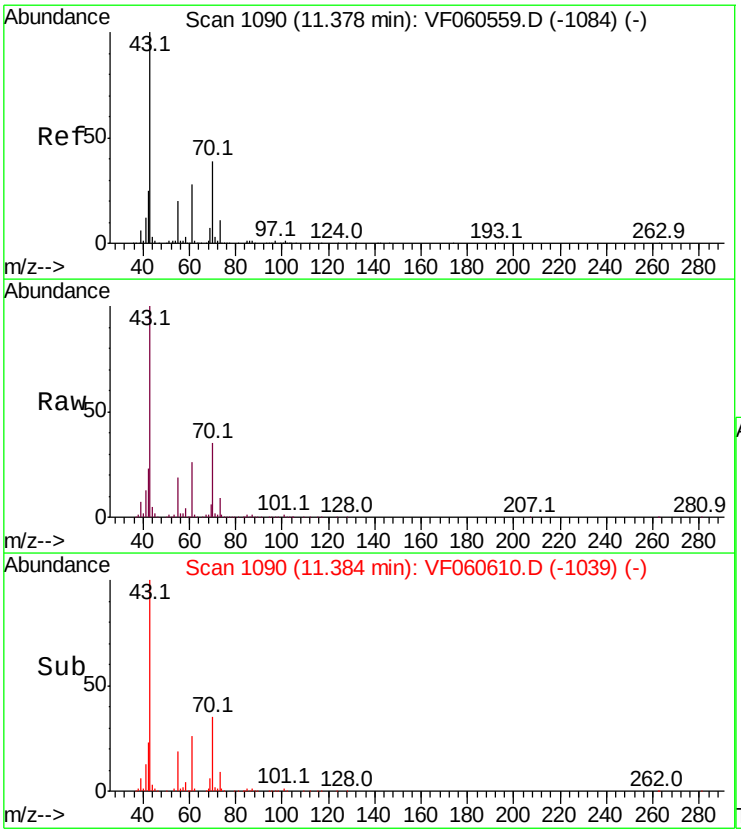

#73
Isopropylbenzene
Concen: 48.091 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:105 Resp: 804815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.9 | 41.6 |

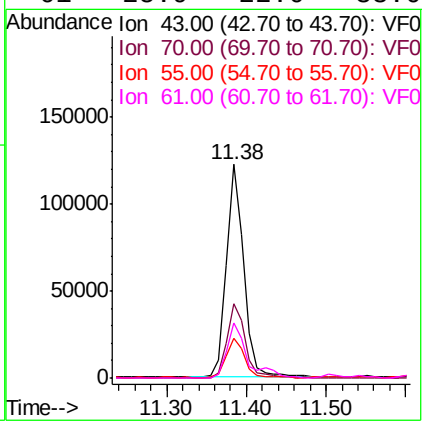


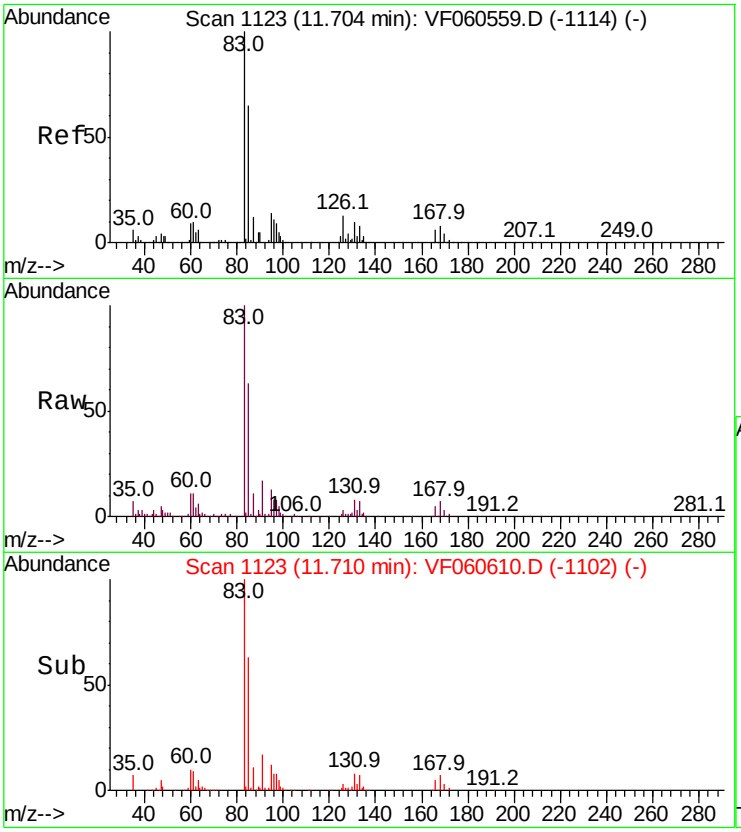




#74
N-amyl acetate
Concen: 44.502 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 43 Resp: 190407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 34.9 | 30.9 | 46.3 |
| 55 | 18.7 | 16.6 | 24.8 |
| 61 | 25.9 | 22.0 | 33.0 |



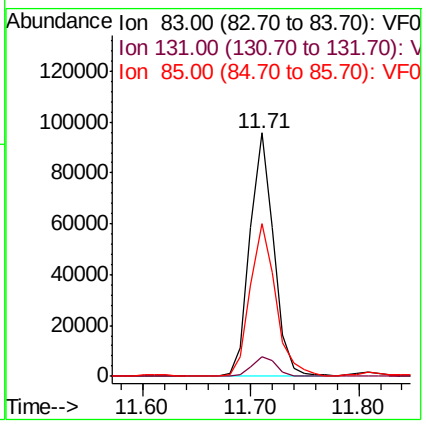


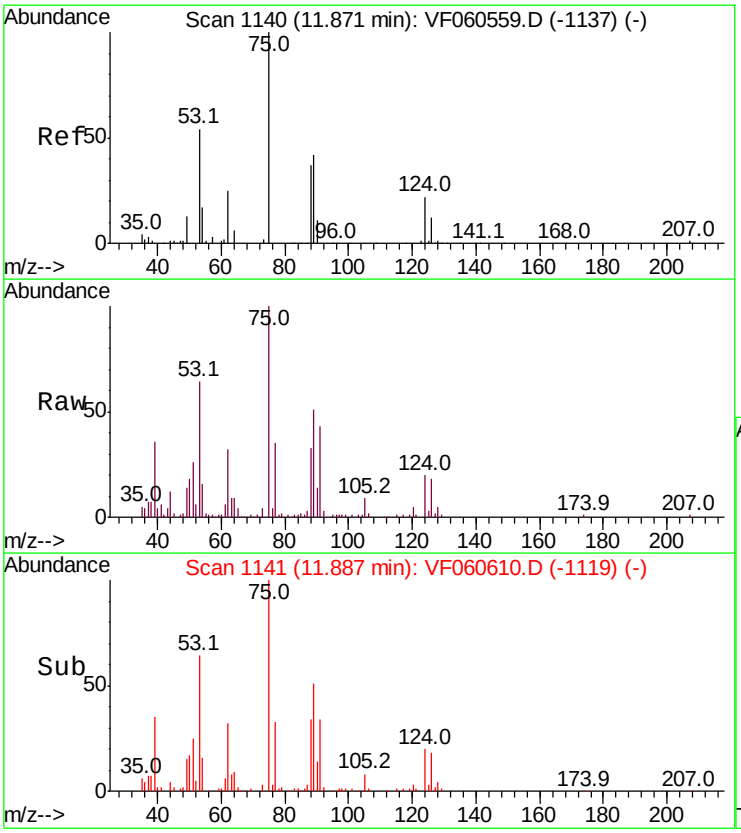

#75
1,1,2,2-Tetrachloroethane
Concen: 47.850 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 83 Resp: 146164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.0 | 5.0 | 14.9 |
| 85 | 62.6 | 32.9 | 98.7 |

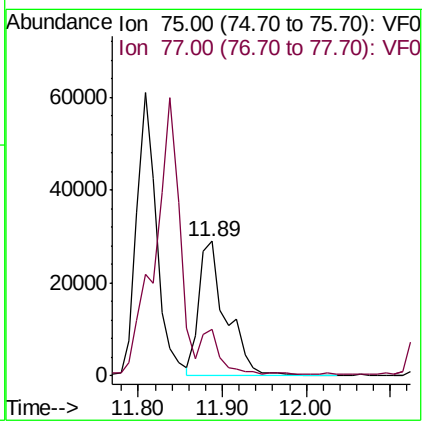


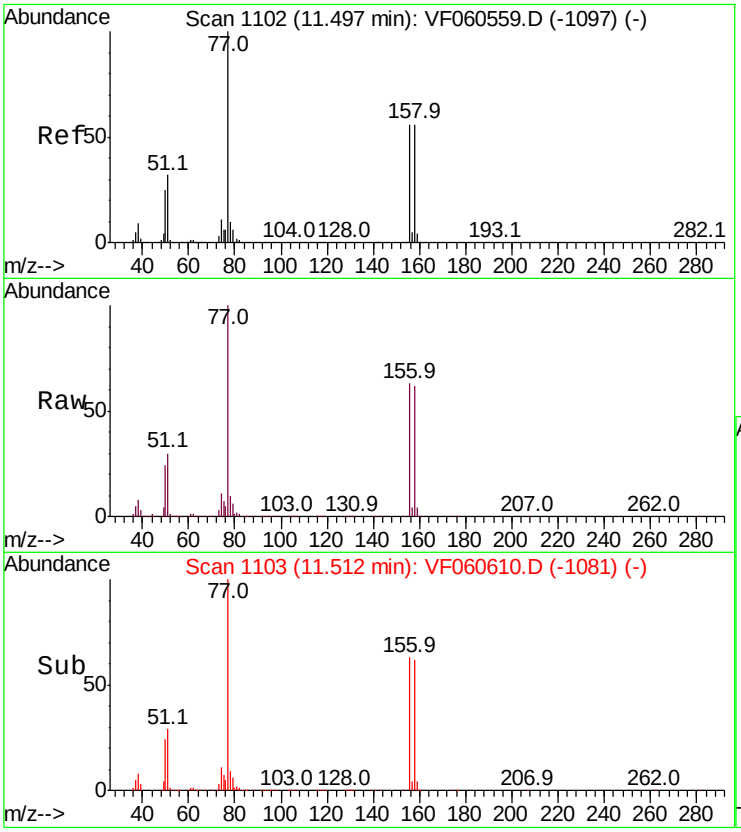




#76
1,2,3-Trichloropropane
Concen: 43.247 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 75 Resp: 64923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.8 | 17.4 | 52.3 |



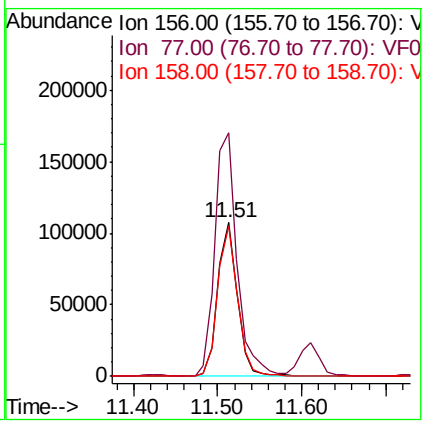


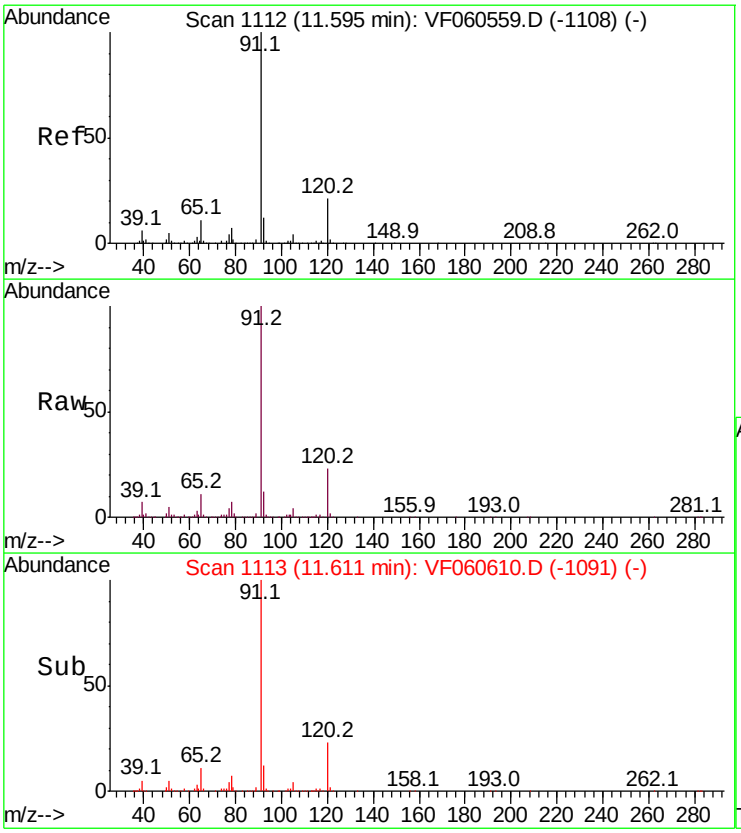

#77
Bromobenzene
Concen: 48.233 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:156 Resp: 176624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 158.3 | 89.3 | 268.1 |
| 158 | 98.0 | 50.0 | 150.1 |

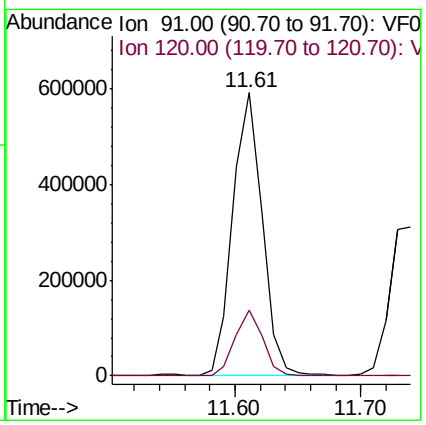


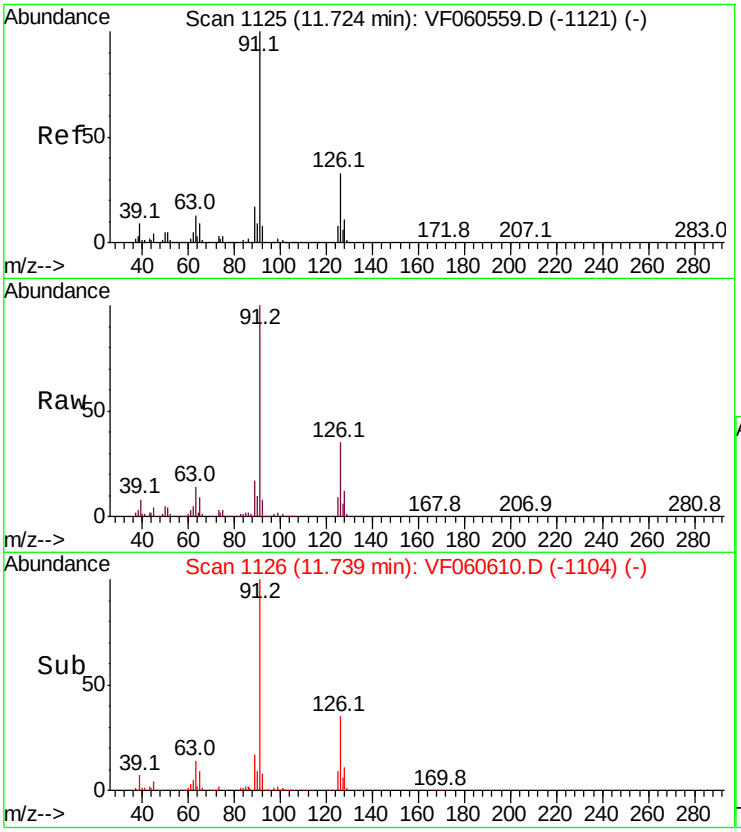




#78
n-propylbenzene
Concen: 48.731 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 91 Resp: 954170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.3 | 10.5 | 31.6 |



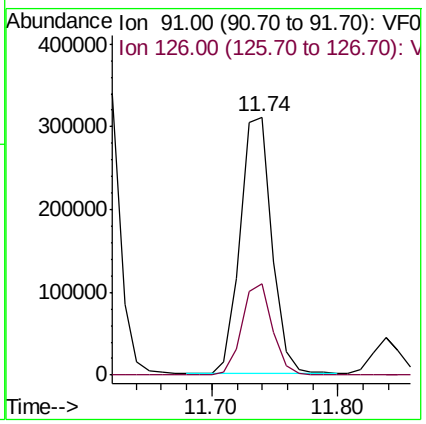


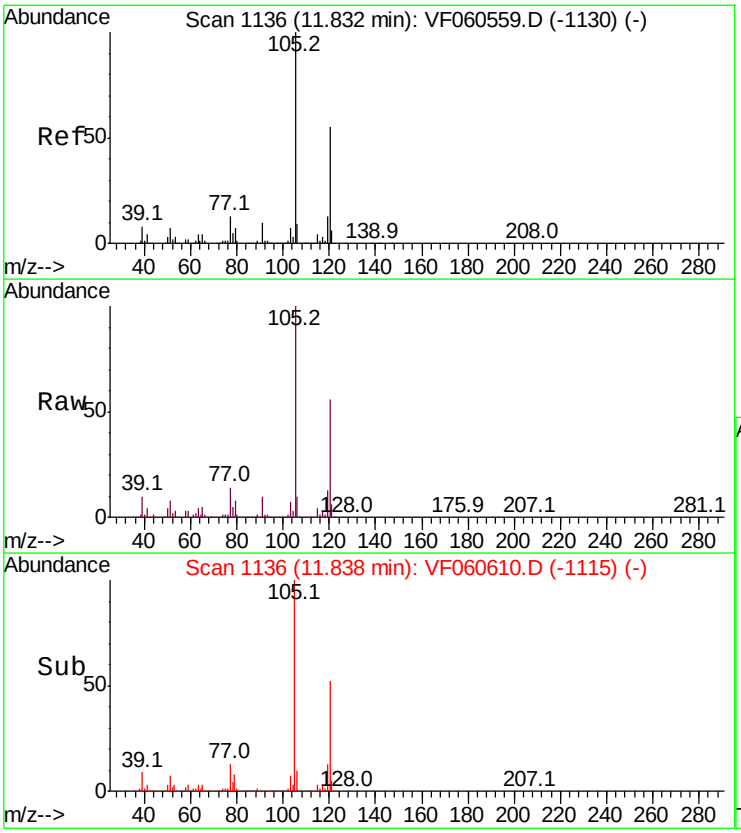

#79
2-Chlorotoluene
Concen: 48.307 ug/l
RT: 11.74 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 91 Resp: 540176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.2 | 16.5 | 49.5 |

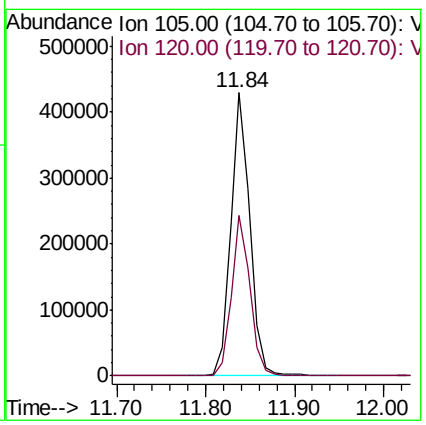


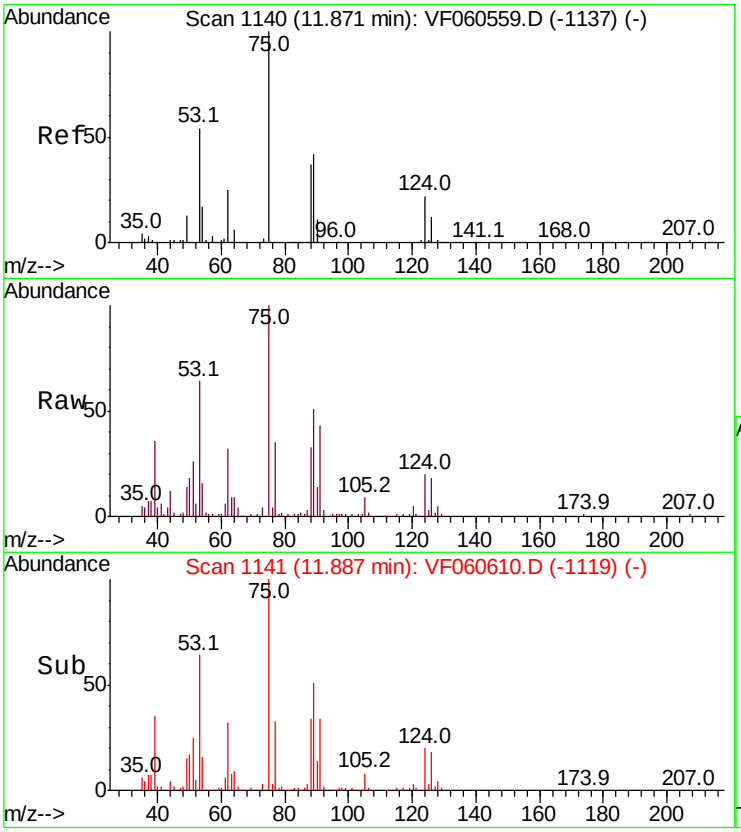




#80
1,3,5-Trimethylbenzene
Concen: 46.980 ug/l
RT: 11.84 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:105 Resp: 648063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 56.5 | 27.6 | 82.8 |



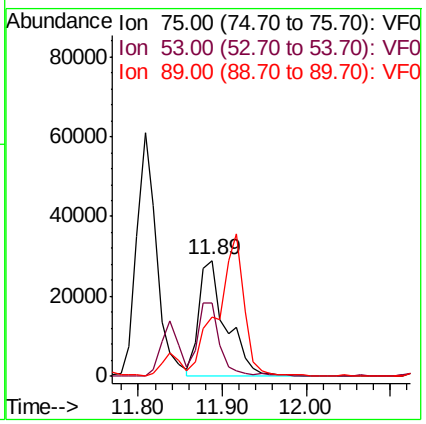


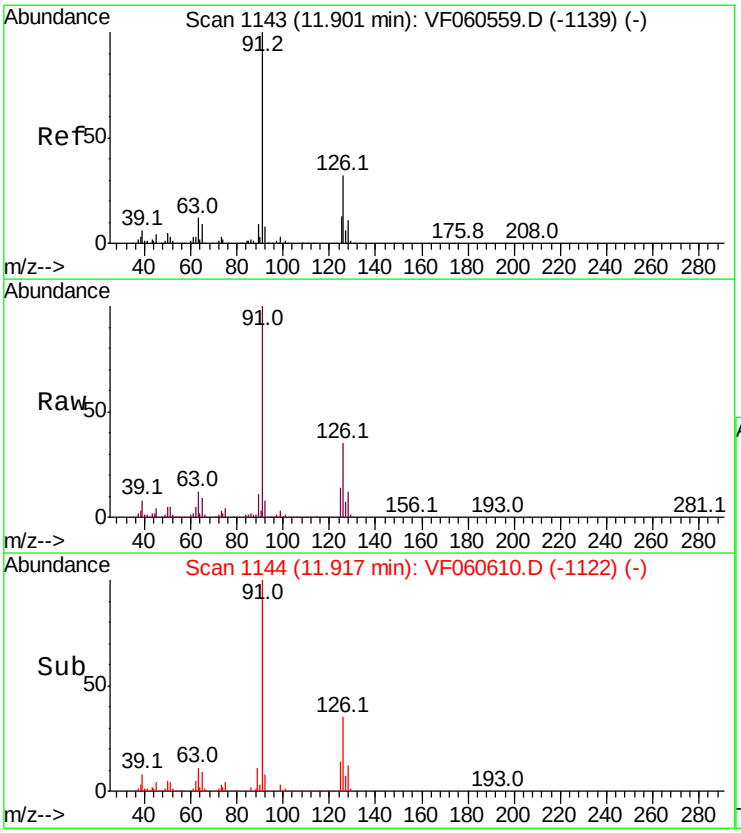

#81
trans-1,4-Dichloro-2-butene
Concen: 55.028 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 75 Resp: 64923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 63.9 | 51.6 | 77.4 |
| 89 | 50.8 | 36.7 | 55.1 |

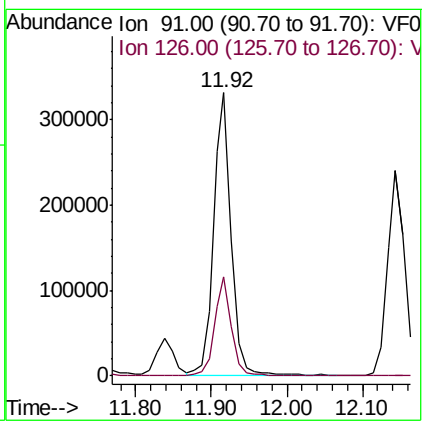


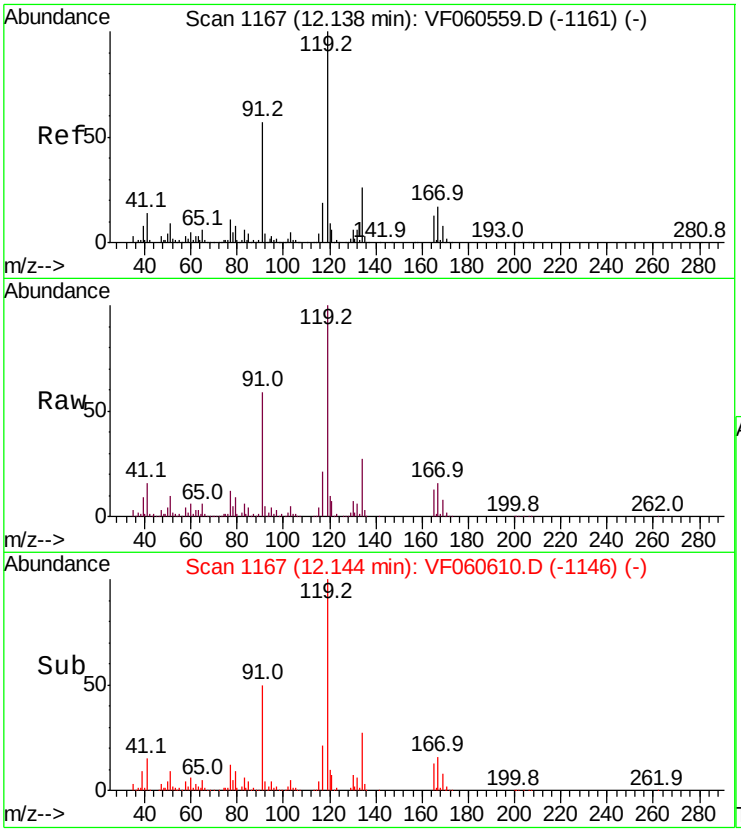




#82
4-Chlorotoluene
Concen: 45.878 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 91 Resp: 535238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.1 | 15.9 | 47.7 |



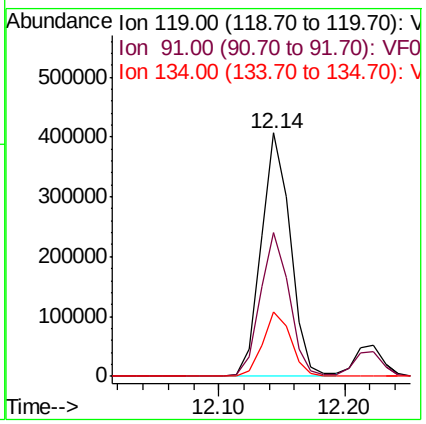


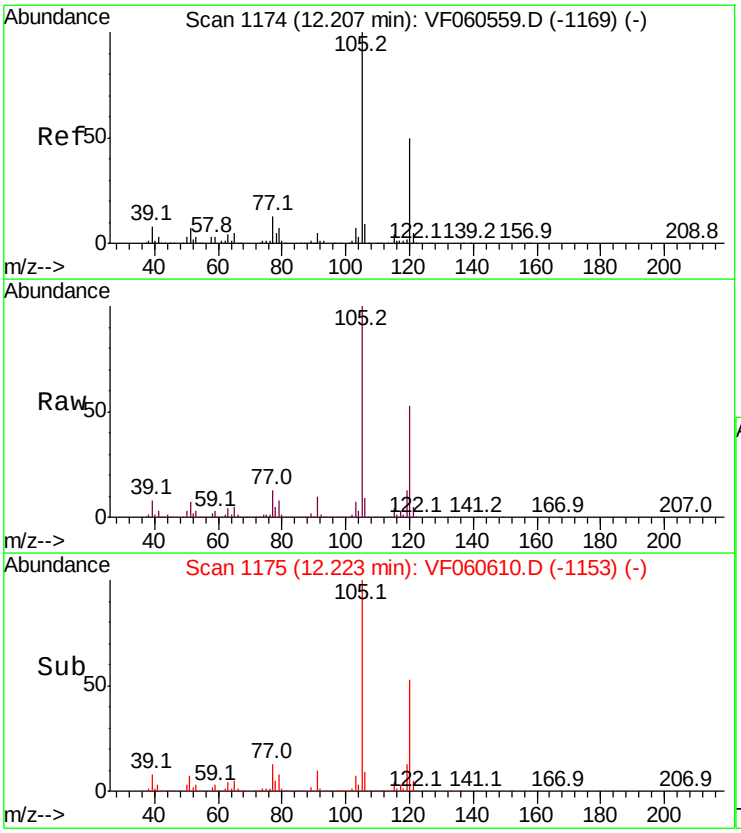

#83
tert-Butylbenzene
Concen: 46.523 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:119 Resp: 655621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 28.8 | 86.4 |
| 134 | 26.7 | 13.2 | 39.6 |

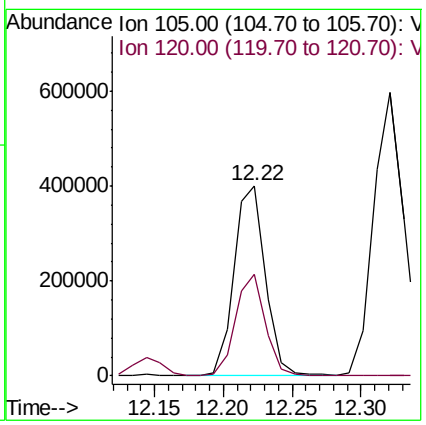


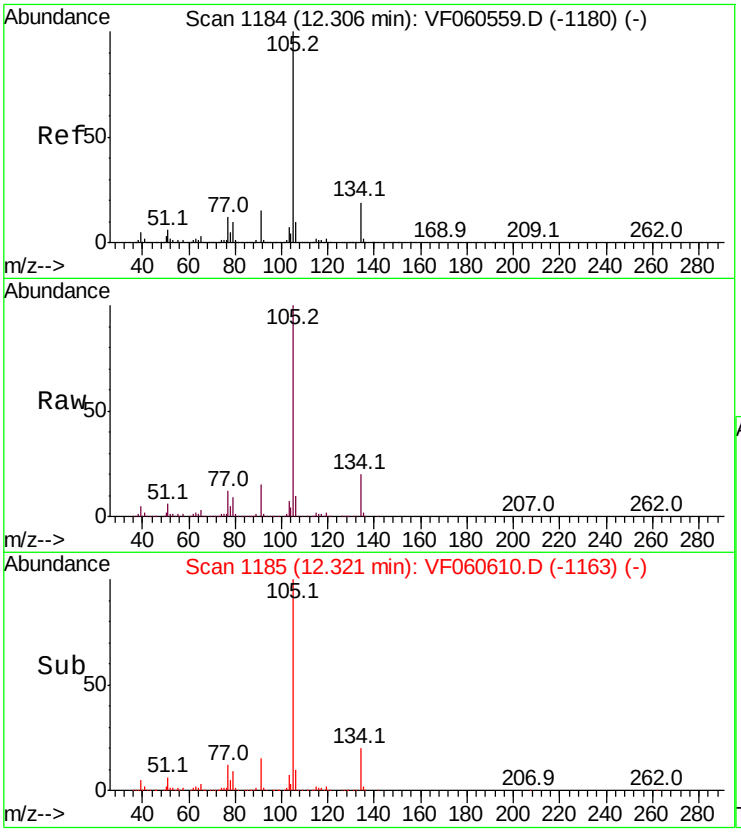




#84
1,2,4-Trimethylbenzene
Concen: 47.061 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:105 Resp: 635731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 53.4 | 25.6 | 76.8 |



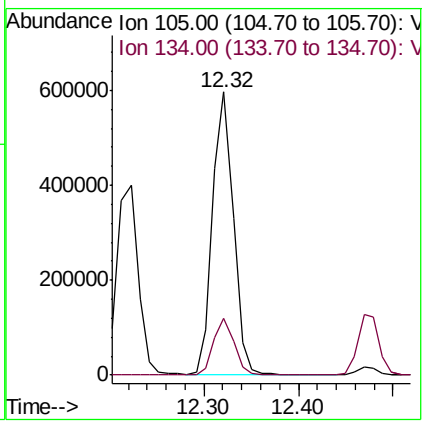


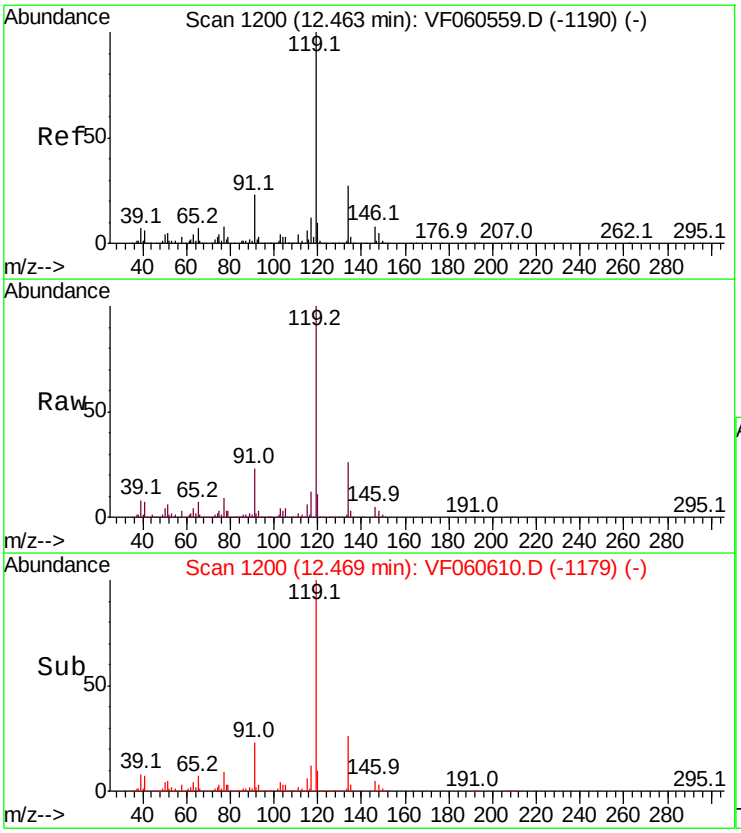

#85
sec-Butylbenzene
Concen: 47.438 ug/l
RT: 12.32 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:105 Resp: 919626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.7 | 29.1 |

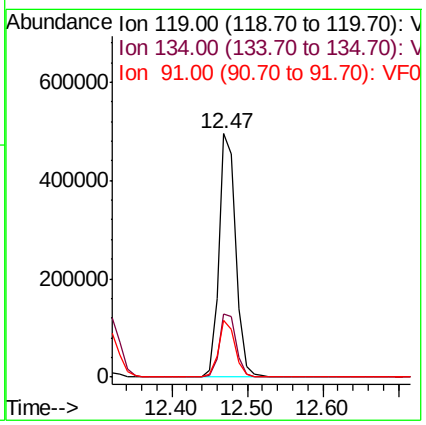


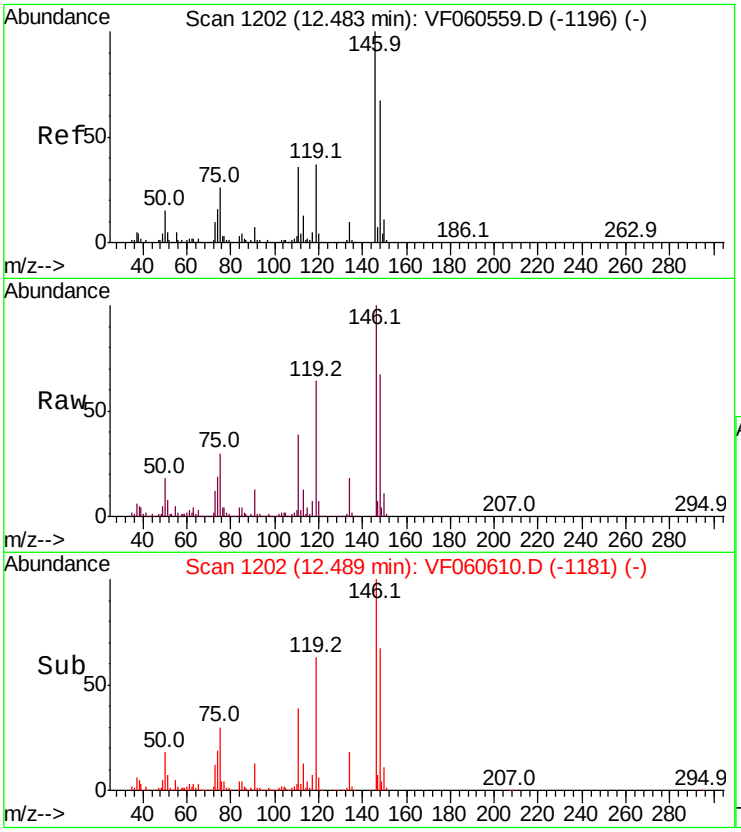




#86
p-Isopropyltoluene
Concen: 48.247 ug/l
RT: 12.47 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:119 Resp: 770214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.6 | 40.7 |
| 91 | 23.3 | 11.4 | 34.2 |



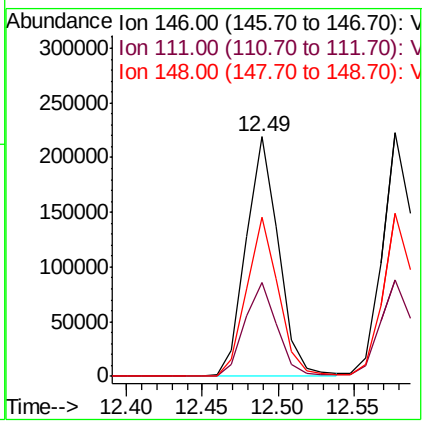


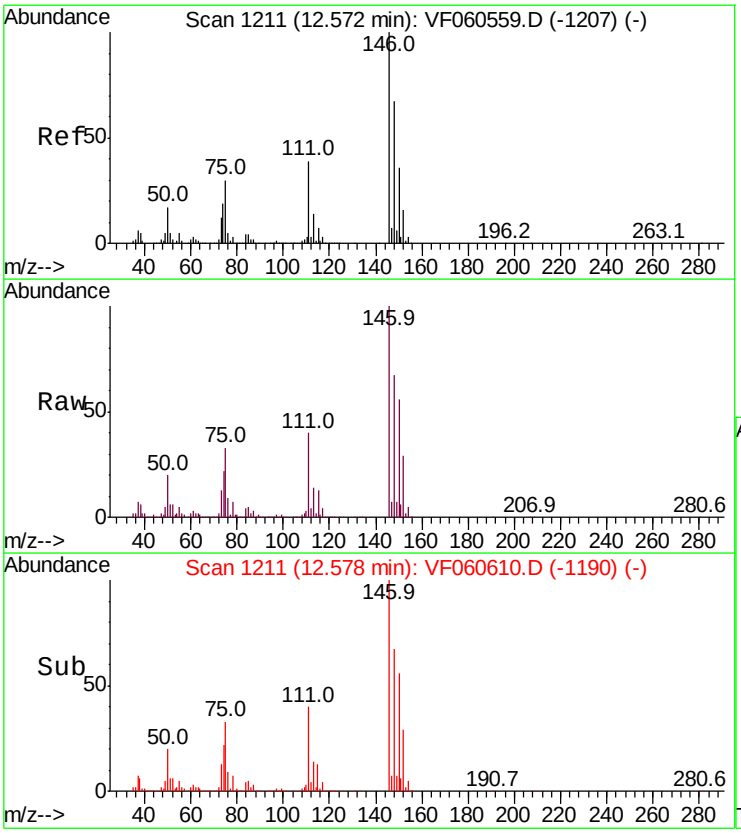

#87
1,3-Dichlorobenzene
Concen: 45.746 ug/l
RT: 12.49 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:146 Resp: 328800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.2 | 18.3 | 54.8 |
| 148 | 66.5 | 33.5 | 100.4 |

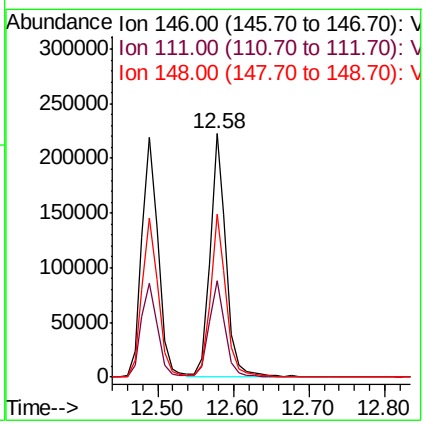


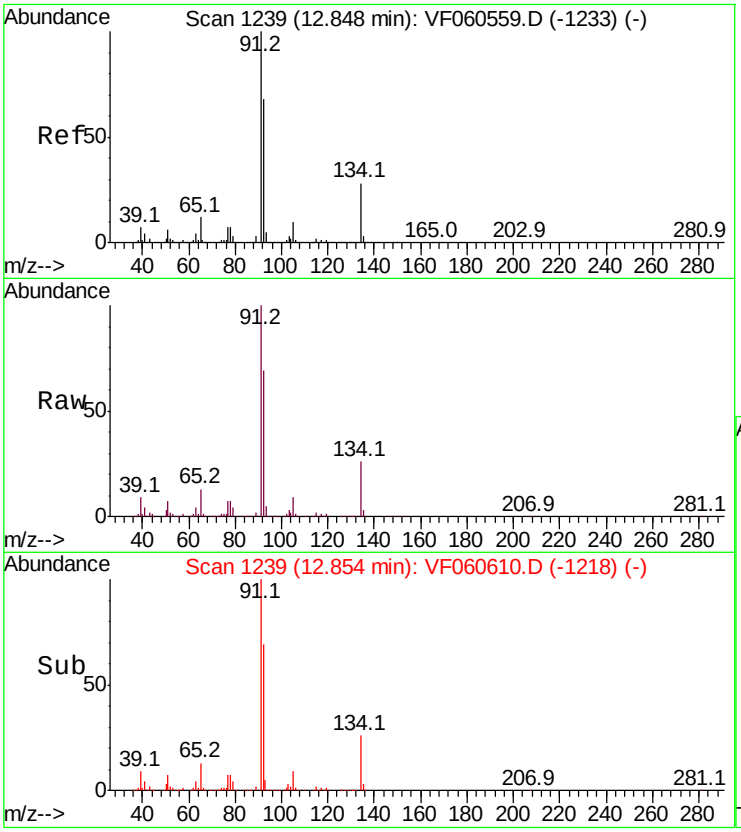




#88
1,4-Dichlorobenzene
Concen: 48.415 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:146 Resp: 330059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 19.7 | 59.1 |
| 148 | 66.8 | 33.7 | 101.1 |



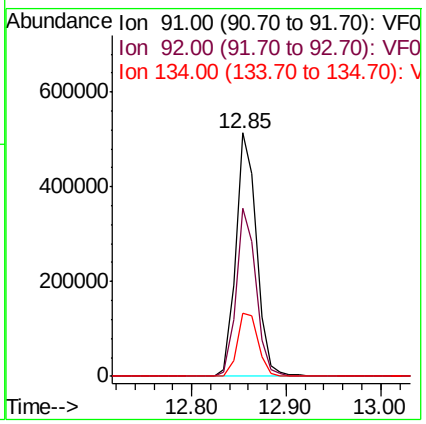


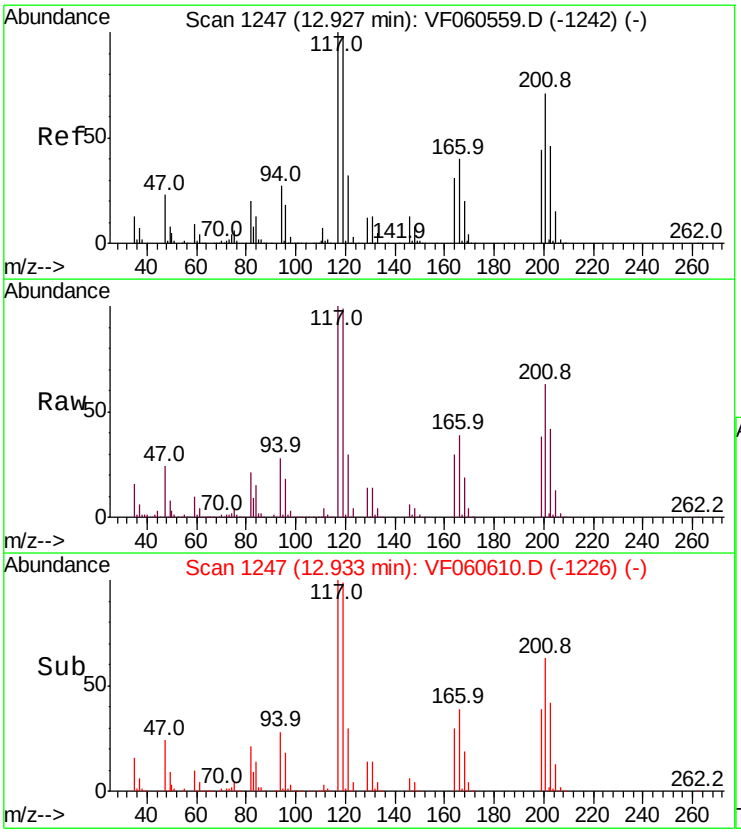

#89
n-Butylbenzene
Concen: 50.068 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion: 91 Resp: 775632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 68.9 | 34.1 | 102.2 |
| 134 | 26.1 | 13.9 | 41.6 |

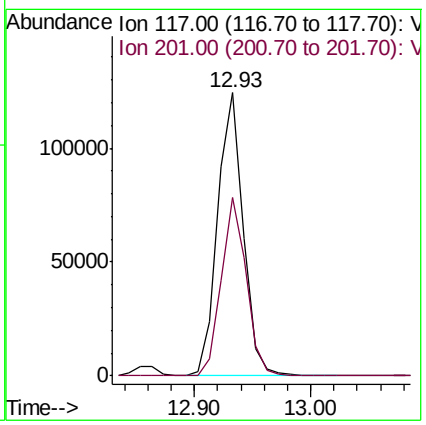


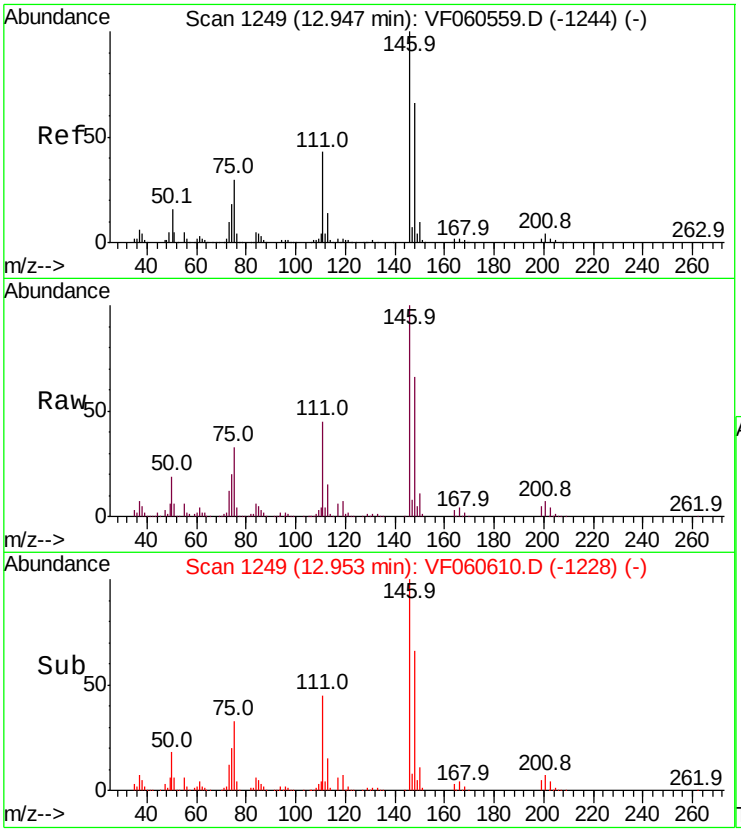




#90
Hexachloroethane
Concen: 46.539 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:117 Resp: 188939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.1 | 35.2 | 105.6 |



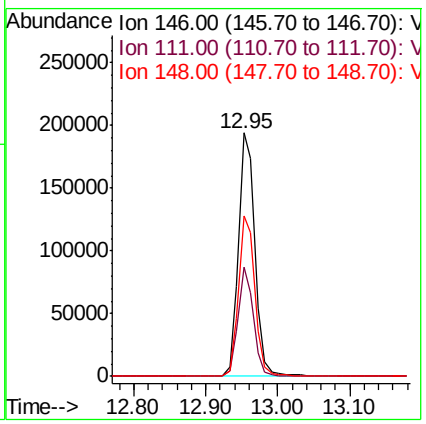


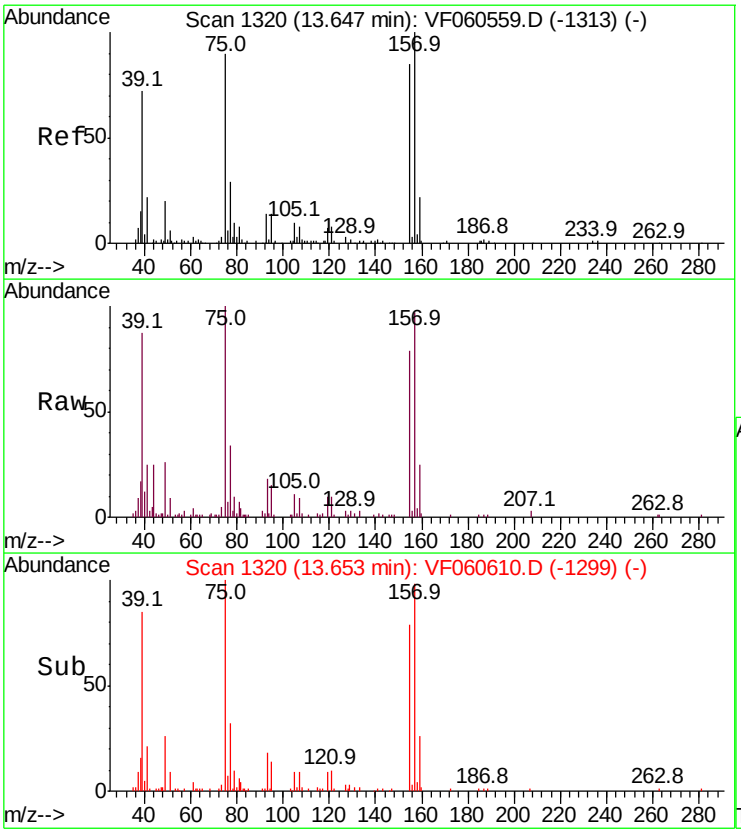

#91
1,2-Dichlorobenzene
Concen: 46.149 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:146 Resp: 310314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.1 | 21.3 | 64.0 |
| 148 | 65.7 | 32.9 | 98.7 |

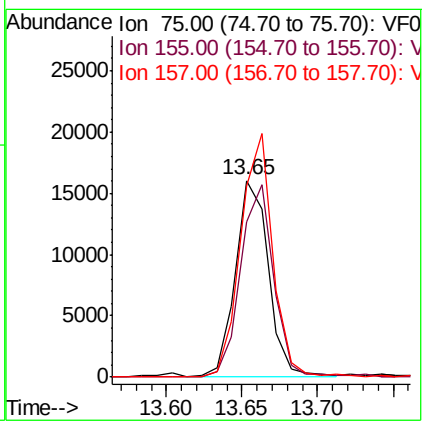


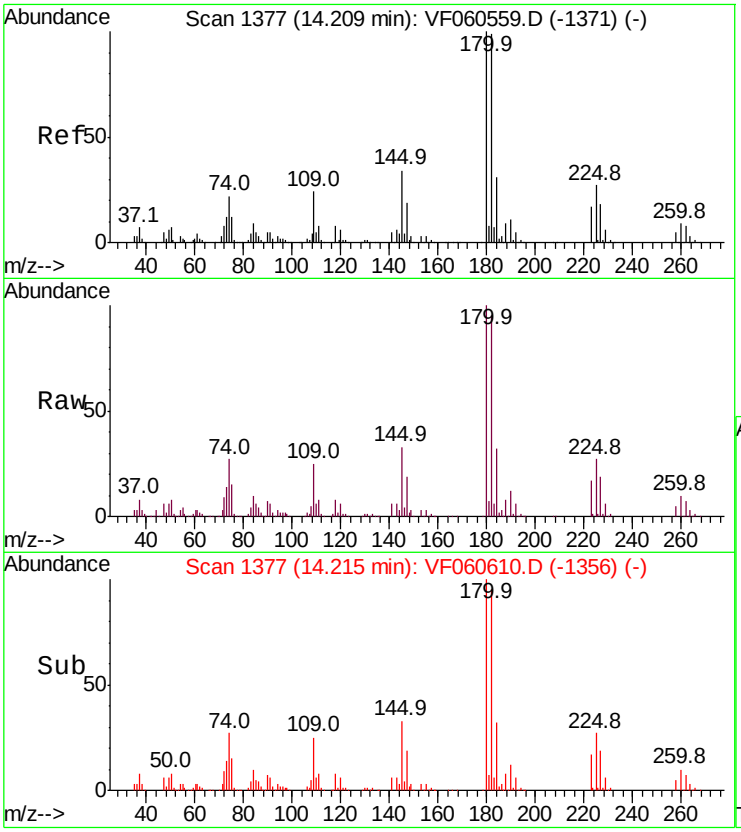




#92
1,2-Dibromo-3-Chloropropane
Concen: 46.280 ug/l
RT: 13.65 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 75 Resp: 24561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.7 | 47.3 | 141.8 |
| 157 | 97.2 | 55.3 | 165.9 |



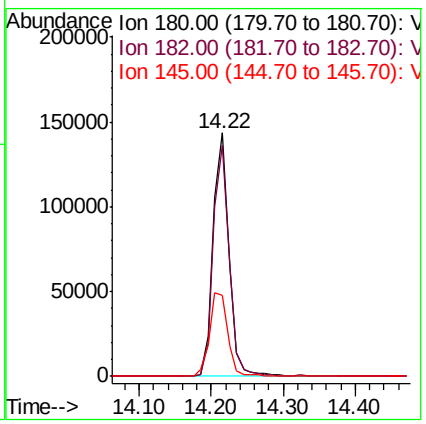


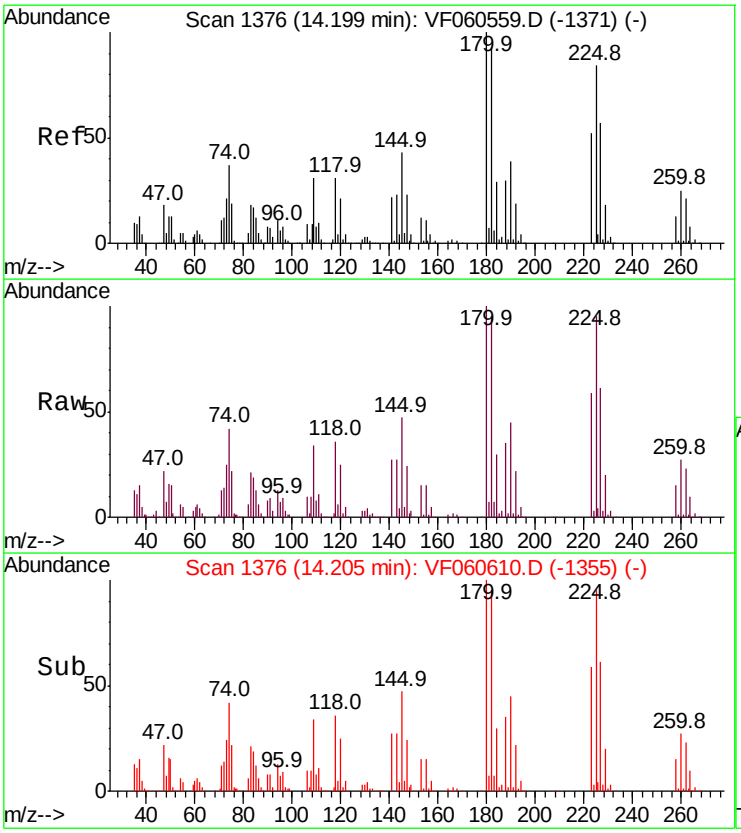

#93
1,2,4-Trichlorobenzene
Concen: 47.388 ug/l
RT: 14.22 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:180 Resp: 216479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 49.7 | 149.1 |
| 145 | 33.2 | 16.9 | 50.7 |

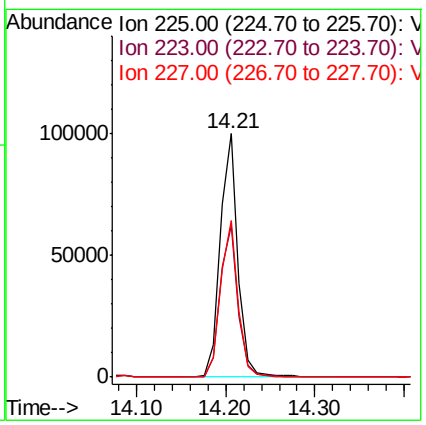


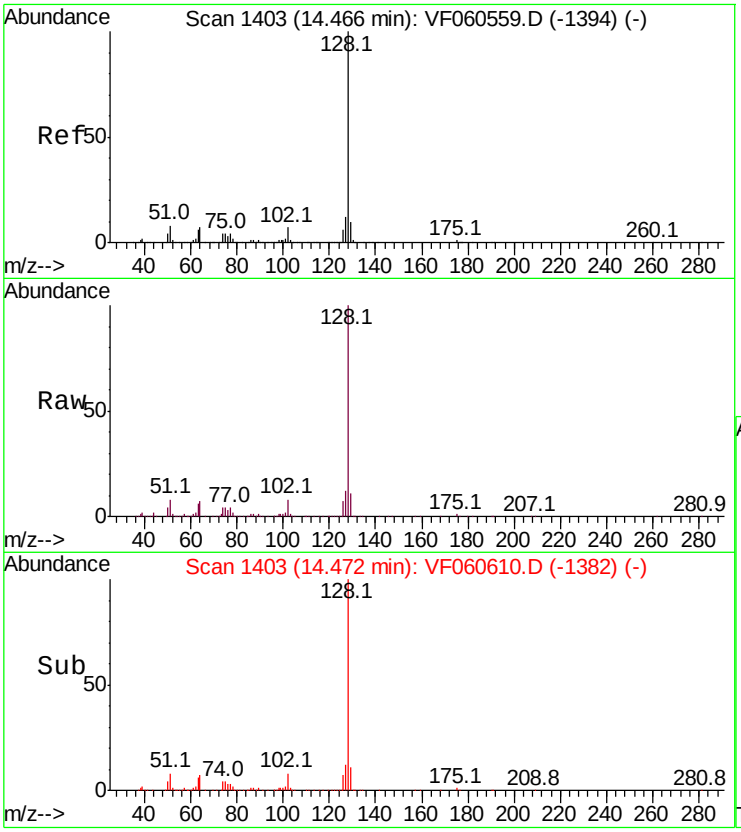




#94
Hexachlorobutadiene
Concen: 47.495 ug/l
RT: 14.21 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:225 Resp: 140593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 30.9 | 92.5 |
| 227 | 64.2 | 33.9 | 101.6 |



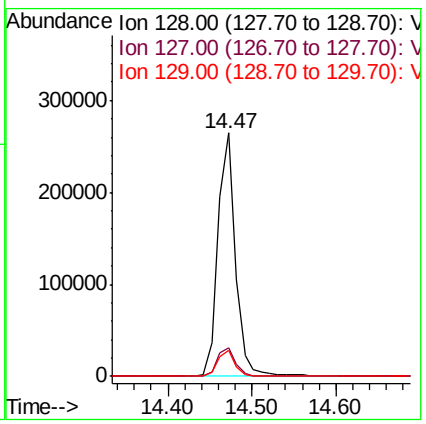


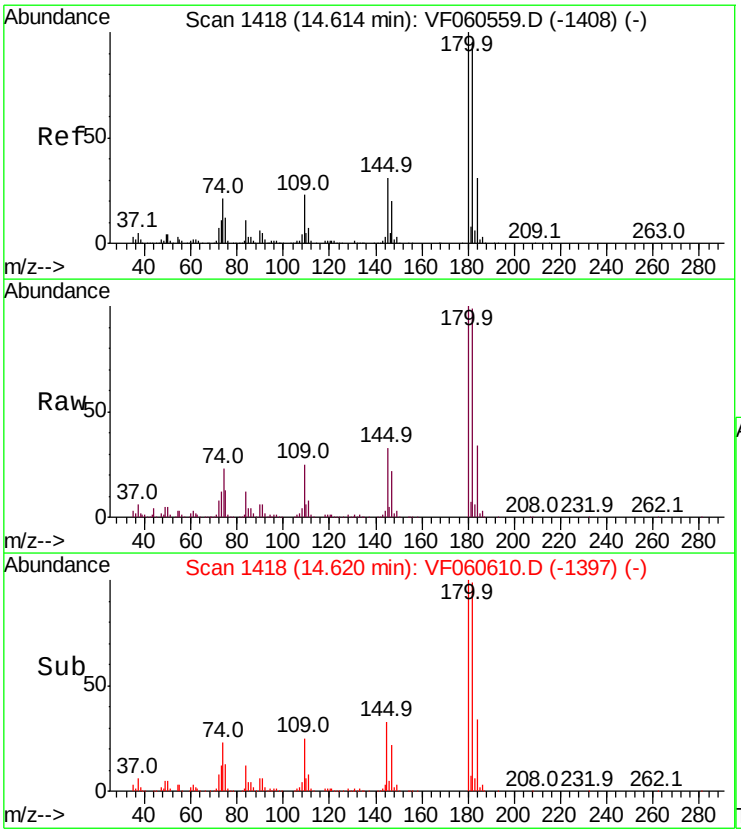

#95
Naphthalene
Concen: 42.175 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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

Tgt Ion:128 Resp: 385620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 9.4 | 14.0 |
| 129 | 10.8 | 8.4 | 12.6 |




#96
1,2,3-Trichlorobenzene
Concen: 46.324 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:180 Resp: 199903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.3 | 47.3 | 142.0 |
| 145 | 33.0 | 15.6 | 46.8 |