Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031919\
Data File : VF062013.D
Acq On : 19 Mar 2019 12:50
Operator : VA/AP
Sample : VF0319SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 05:19:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.83 | 168 | 270750 | 50.00 | ug/l | | -0.04 |
| 34) 1,4-Difluorobenzene | 5.56 | 114 | 430250 | 50.00 | ug/l | | -0.04 |
| 63) Chlorobenzene-d5 | 9.74 | 117 | 360757 | 50.00 | ug/l | | -0.03 |
| 72) 1,4-Dichlorobenzene-d4 | 12.53 | 152 | 197943 | 50.00 | ug/l | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.80 | 65 | 98732 | 50.66 | ug/l | | -0.04 |
| Spiked Amount 50.000 | | | Recovery = 101.32% | | | | |
| 35) Dibromofluoromethane | 4.07 | 113 | 138451 | 47.92 | ug/l | | -0.04 |
| Spiked Amount 50.000 | | | Recovery = 95.84% | | | | |
| 50) Toluene-d8 | 7.52 | 98 | 390463 | 46.23 | ug/l | | -0.03 |
| Spiked Amount 50.000 | | | Recovery = 92.46% | | | | |
| 62) 4-Bromofluorobenzene | 11.39 | 95 | 156899 | 46.76 | ug/l | | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 93.52% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.94 | 85 | 69879 | 24.211 | ug/l | | 98 |
| 3) Chloromethane | 1.07 | 50 | 66646 | 22.722 | ug/l | # | 88 |
| 4) Vinyl Chloride | 1.12 | 62 | 68132 | 24.017 | ug/l | # | 85 |
| 5) Bromomethane | 1.30 | 94 | 44862 | 22.512 | ug/l | | 97 |
| 6) Chloroethane | 1.36 | 64 | 31861 | 21.756 | ug/l | | 95 |
| 7) Trichlorofluoromethane | 1.47 | 101 | 84095 | 22.376 | ug/l | | 90 |
| 8) Diethyl Ether | 1.61 | 74 | 15715 | 18.810 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.80 | 101 | 58471 | 22.082 | ug/l | | 96 |
| 10) Methyl Iodide | 1.87 | 142 | 83714 | 18.063 | ug/l | | 90 |
| 11) Tert butyl alcohol | 2.54 | 59 | 12244 | 102.667 | ug/l | # | 80 |
| 12) 1,1-Dichloroethene | 1.76 | 96 | 49847 | 21.814 | ug/l | | 96 |
| 13) Acrolein | 1.97 | 56 | 11568 | 89.853 | ug/l | # | 70 |
| 14) Allyl chloride | 2.07 | 41 | 62651 | 21.478 | ug/l | | 99 |
| 15) Acrylonitrile | 2.91 | 53 | 37933 | 104.596 | ug/l | | 92 |
| 16) Acetone | 2.21 | 43 | 50711 | 115.872 | ug/l | | 97 |
| 17) Carbon Disulfide | 1.79 | 76 | 146927 | 22.232 | ug/l | | 97 |
| 18) Methyl Acetate | 2.32 | 43 | 17122 | 19.123 | ug/l | | 94 |
| 19) Methyl tert-butyl Ether | 2.40 | 73 | 84121 | 20.316 | ug/l | | 100 |
| 20) Methylene Chloride | 2.15 | 84 | 19790 | 8.783 | ug/l | | 90 |
| 21) trans-1,2-Dichloroethene | 2.28 | 96 | 51430 | 21.567 | ug/l | | 94 |
| 22) Diisopropyl ether | 2.77 | 45 | 150300 | 21.422 | ug/l | | 97 |
| 23) Vinyl Acetate | 3.15 | 43 | 317507 | 114.794 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 2.84 | 63 | 91326 | 22.386 | ug/l | | 99 |
| 25) 2-Butanone | 4.29 | 43 | 92755 | 107.015 | ug/l | | 95 |
| 26) 2,2-Dichloropropane | 3.56 | 77 | 41549 | 21.591 | ug/l | | 96 |
| 27) cis-1,2-Dichloroethene | 3.44 | 96 | 65533 | 21.803 | ug/l | | 97 |
| 28) Bromochloromethane | 3.68 | 49 | 35661 | 21.066 | ug/l | | 87 |
| 29) Tetrahydrofuran | 4.03 | 42 | 36228 | 96.110 | ug/l | | 97 |
| 30) Chloroform | 3.81 | 83 | 101639 | 21.988 | ug/l | | 94 |
| 31) Cyclohexane | 3.65 | 56 | 86899 | 21.741 | ug/l | # | 96 |
| 32) 1,1,1-Trichloroethane | 4.05 | 97 | 62856 | 20.476 | ug/l | | 94 |
| 36) 1,1-Dichloropropene | 4.24 | 75 | 82896 | 21.335 | ug/l | | 95 |
| 37) Ethyl Acetate | 4.06 | 43 | 31981 | 18.332 | ug/l | # | 78 |
| 38) Carbon Tetrachloride | 3.94 | 117 | 64198 | 22.609 | ug/l | | 92 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031919\
Data File : VF062013.D
Acq On : 19 Mar 2019 12:50
Operator : VA/AP
Sample : VF0319SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 05:19:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.41 | 83 | 90755 | 19.897 ug/l | | 96 |
| 40) Benzene | 4.59 | 78 | 208470 | 20.249 ug/l | | 98 |
| 41) Methacrylonitrile | 4.71 | 41 | 19021 | 20.407 ug/l | # | 87 |
| 42) 1,2-Dichloroethane | 4.90 | 62 | 53988 | 21.065 ug/l | | 96 |
| 43) Isopropyl Acetate | 6.92 | 43 | 38520 | 18.662 ug/l | # | 98 |
| 44) Trichloroethene | 5.46 | 130 | 66397 | 21.053 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 6.20 | 63 | 52171 | 21.413 ug/l | | 97 |
| 46) Dibromomethane | 6.04 | 93 | 30529 | 21.063 ug/l | | 95 |
| 47) Bromodichloromethane | 6.35 | 83 | 70923 | 20.755 ug/l | # | 97 |
| 48) Methyl methacrylate | 6.68 | 41 | 25691 | 19.258 ug/l | # | 86 |
| 49) 1,4-Dioxane | 6.68 | 88 | 4915 | 414.206 ug/l | # | 78 |
| 51) 4-Methyl-2-Pentanone | 8.23 | 43 | 148374 | 101.228 ug/l | | 99 |
| 52) Toluene | 7.59 | 92 | 131582 | 20.918 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.25 | 75 | 58733 | 20.359 ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 7.27 | 75 | 78075 | 20.742 ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 8.46 | 97 | 35743 | 20.359 ug/l | | 97 |
| 56) Ethyl methacrylate | 8.60 | 69 | 38932 | 19.507 ug/l | | 97 |
| 57) 1,3-Dichloropropane | 8.82 | 76 | 59442 | 20.297 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 7.27 | 63 | 33308 | 92.142 ug/l | | 95 |
| 59) 2-Hexanone | 9.46 | 43 | 112682 | 106.227 ug/l | | 99 |
| 60) Dibromochloromethane | 8.69 | 129 | 52071 | 21.364 ug/l | | 94 |
| 61) 1,2-Dibromoethane | 8.96 | 107 | 38997 | 20.708 ug/l | | 95 |
| 64) Tetrachloroethene | 8.12 | 164 | 56526 | 21.556 ug/l | | 96 |
| 65) Chlorobenzene | 9.77 | 112 | 141888 | 21.125 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 9.90 | 131 | 58407 | 22.434 ug/l | | 93 |
| 67) Ethyl Benzene | 9.87 | 91 | 244644 | 21.273 ug/l | | 97 |
| 68) m/p-Xylenes | 10.11 | 106 | 192895 | 44.596 ug/l | | 93 |
| 69) o-Xylene | 10.69 | 106 | 99058 | 21.403 ug/l | | 96 |
| 70) Styrene | 10.77 | 104 | 139533 | 21.761 ug/l | | 96 |
| 71) Bromoform | 10.75 | 173 | 28760 | 21.839 ug/l | | 97 |
| 73) Isopropylbenzene | 11.10 | 105 | 293104 | 21.433 ug/l | | 96 |
| 74) N-amyl acetate | 11.35 | 43 | 65388 | 20.868 ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.67 | 83 | 47838 | 21.193 ug/l | | 94 |
| 76) 1,2,3-Trichloropropane | 11.77 | 75 | 31411 | 19.901 ug/l | | 96 |
| 77) Bromobenzene | 11.48 | 156 | 66962 | 21.144 ug/l | | 98 |
| 78) n-propylbenzene | 11.58 | 91 | 328766 | 20.908 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.70 | 91 | 184850 | 20.827 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.80 | 105 | 229196 | 20.748 ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-buten | 11.85 | 75 | 20360 | 29.158 ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.88 | 91 | 185381 | 20.654 ug/l | | 99 |
| 83) tert-Butylbenzene | 12.11 | 119 | 251941 | 21.808 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 12.19 | 105 | 228660 | 20.666 ug/l | | 97 |
| 85) sec-Butylbenzene | 12.29 | 105 | 329877 | 21.134 ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.44 | 119 | 284334 | 21.831 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 12.45 | 146 | 133164 | 21.394 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.55 | 146 | 125282 | 20.912 ug/l | | 96 |
| 89) n-Butylbenzene | 12.83 | 91 | 264670 | 21.626 ug/l | | 96 |
| 90) Hexachloroethane | 12.90 | 117 | 64440 | 21.680 ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 12.93 | 146 | 123305 | 21.389 ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75 | 6363 | 17.567 ug/l | | 91 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062013.D
Acq On : 19 Mar 2019 12:50
Operator : VA/AP
Sample : VF0319SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 05:19:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.18 | 180 | 88018 | 21.926 | ug/l | 100 |
| 94) Hexachlorobutadiene | 14.17 | 225 | 55409 | 20.791 | ug/l | 97 |
| 95) Naphthalene | 14.43 | 128 | 144649 | 20.034 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.58 | 180 | 80599 | 21.823 | ug/l | 96 |

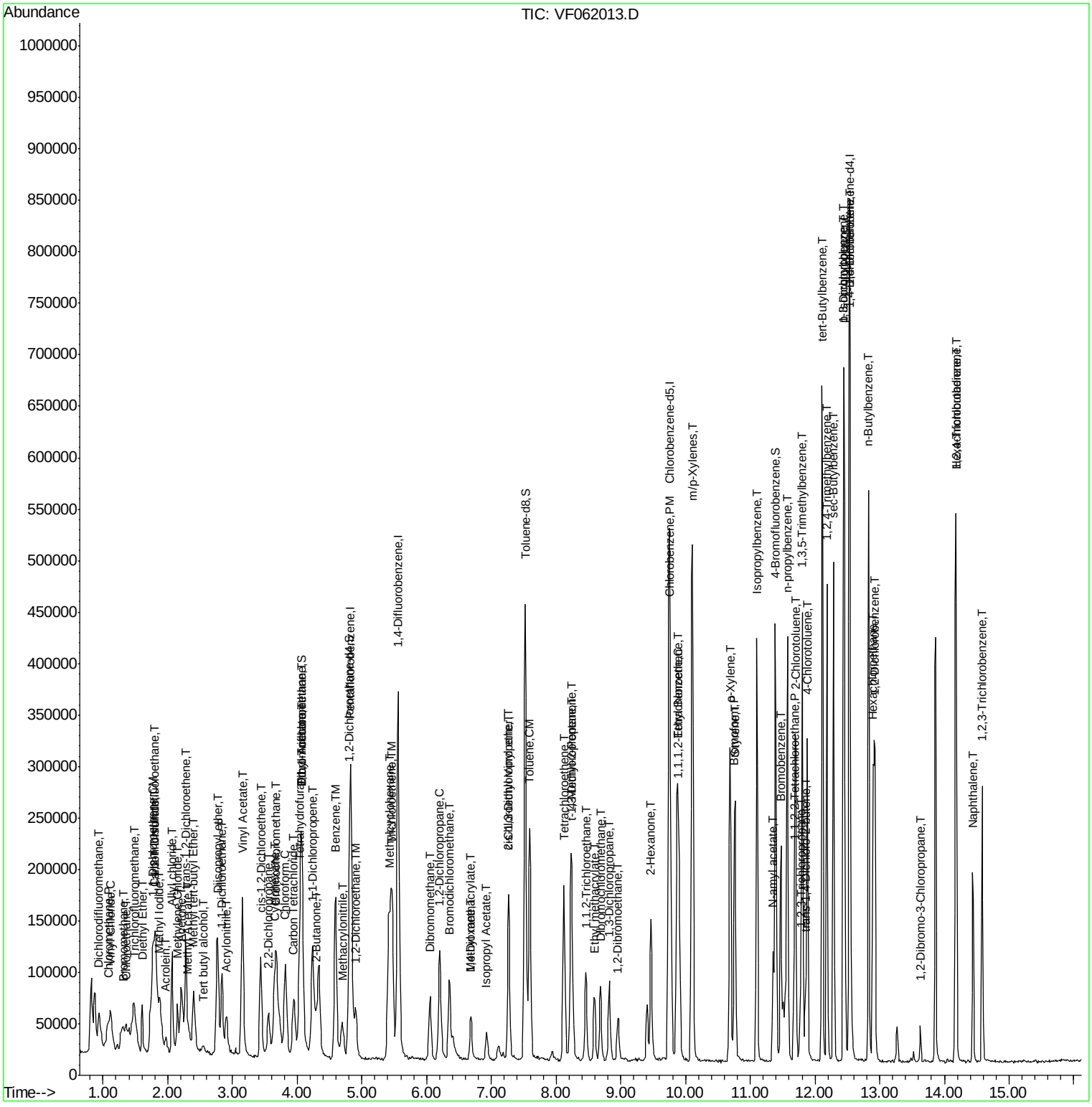
(#) = qualifier out of range (m) = manual integration (+) = signals summed

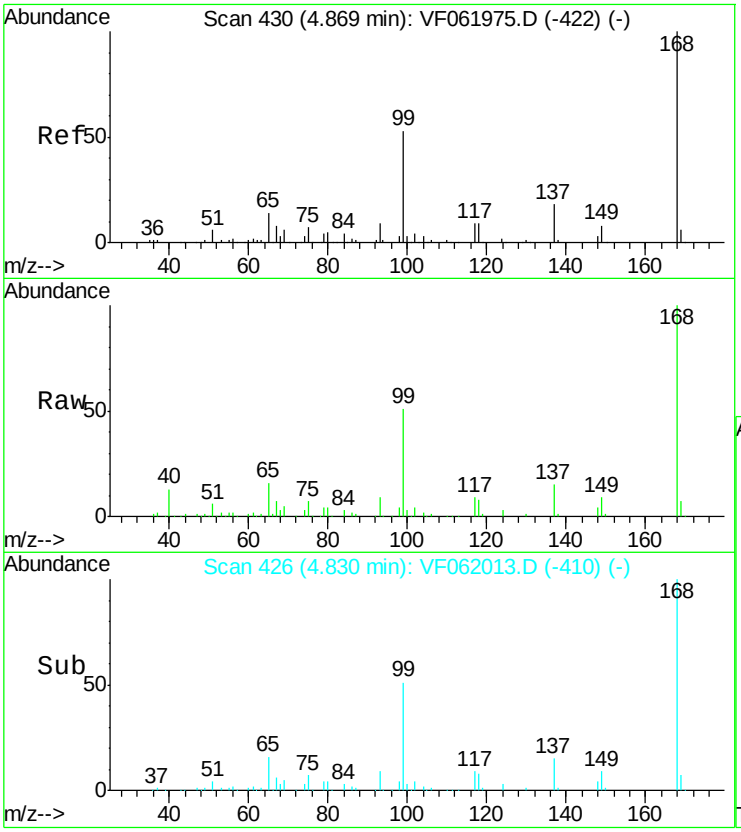
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031919\
Data File : VF062013.D
Acq On : 19 Mar 2019 12:50
Operator : VA/AP
Sample : VF0319SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 05:19:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration



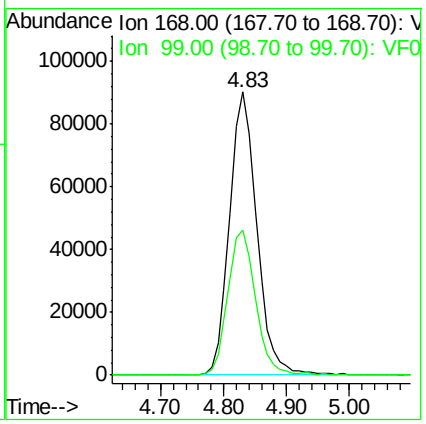


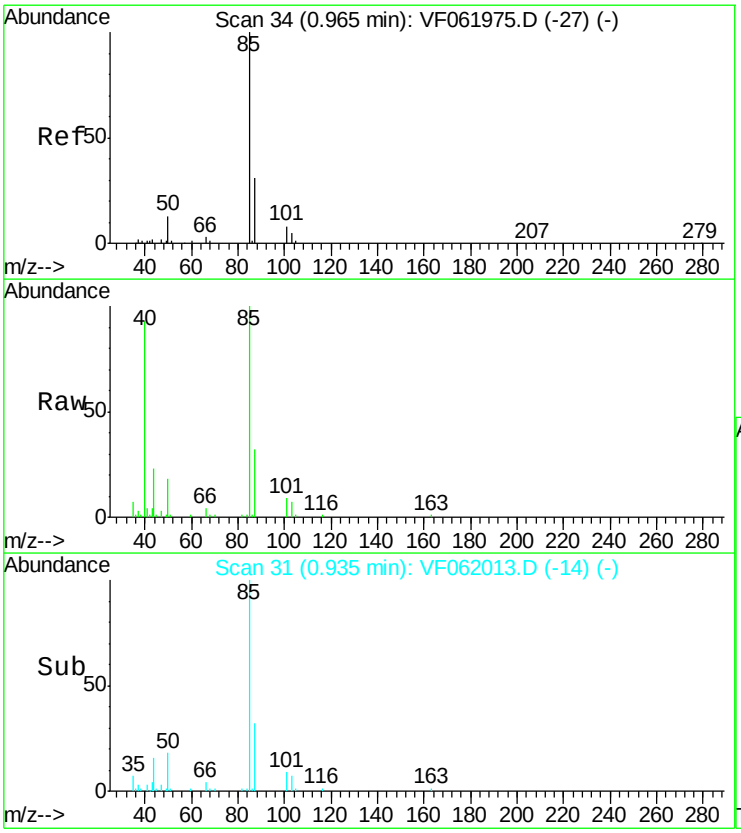

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:168 Resp: 270750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.1 | 42.4 | 63.6 |

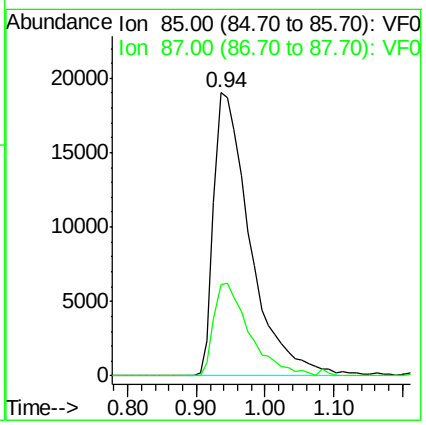


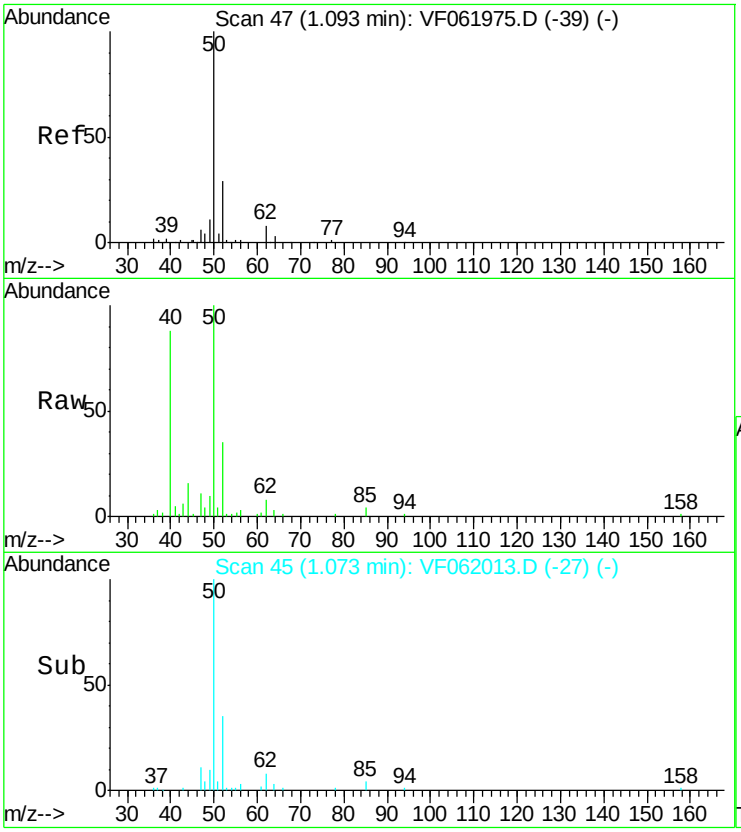




#2
Dichlorodifluoromethane
Concen: 24.211 ug/l
RT: 0.94 min Scan# 31
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 85 Resp: 69879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 15.4 | 46.2 |



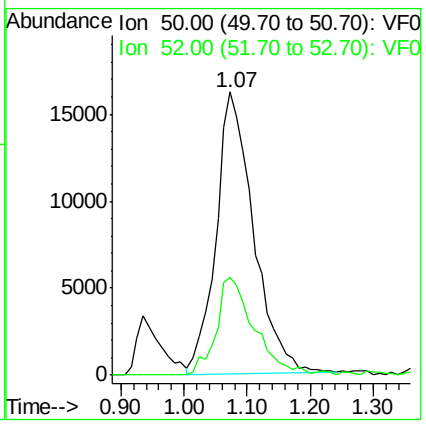


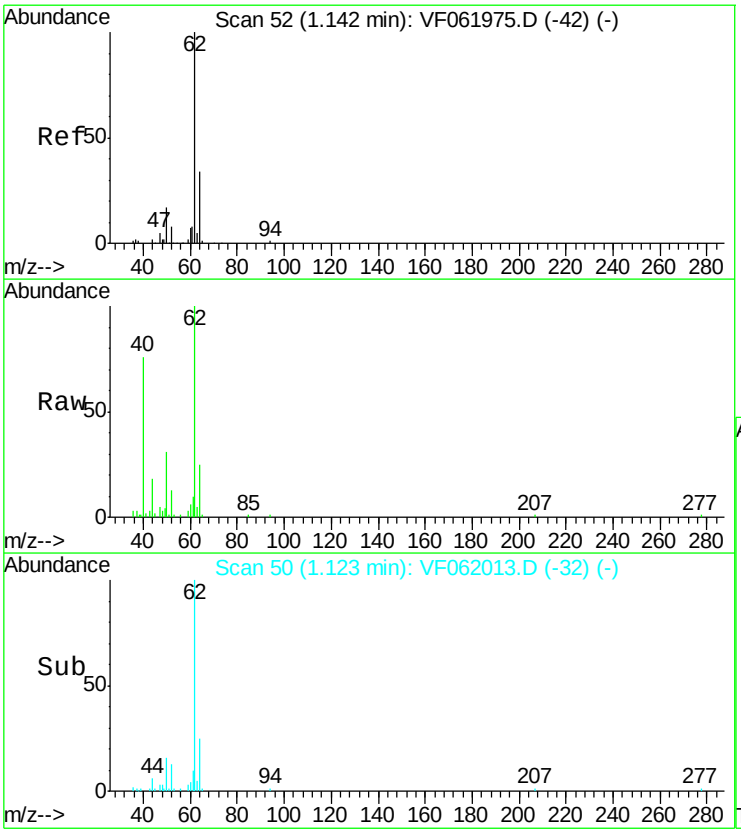

#3
Chloromethane
Concen: 22.722 ug/l
RT: 1.07 min Scan# 45
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 50 Resp: 66646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.7 | 22.6 | 34.0# |

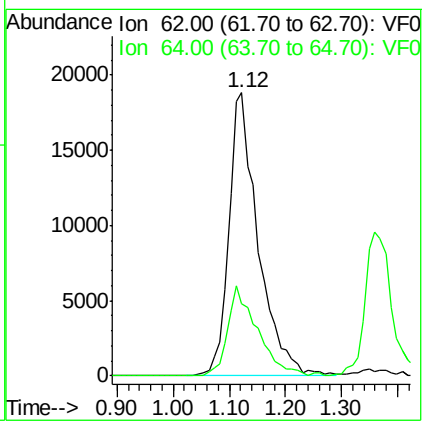


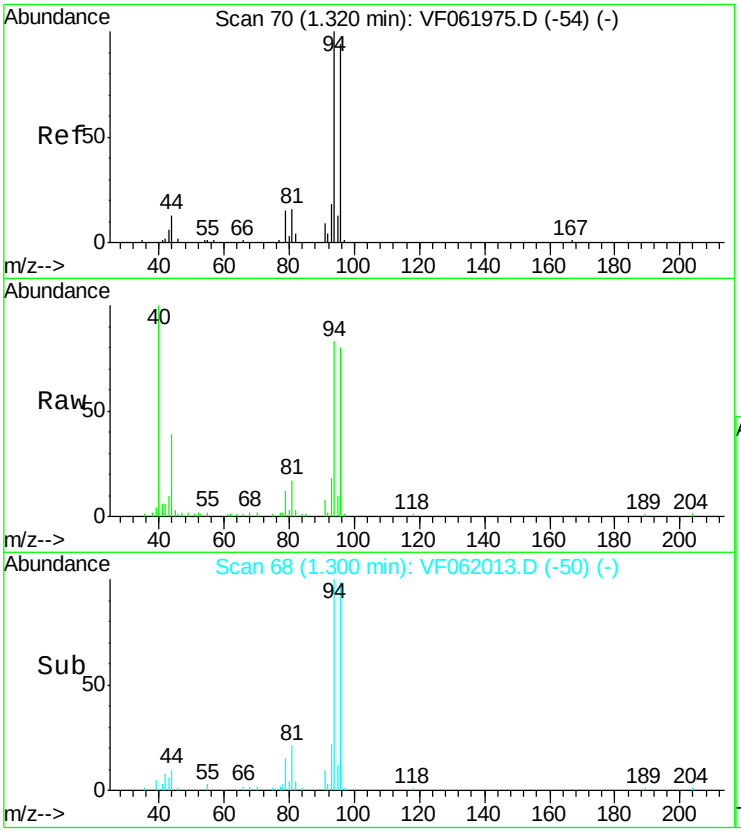




#4
Vinyl Chloride
Concen: 24.017 ug/l
RT: 1.12 min Scan# 50
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 62 Resp: 68132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 25.4 | 27.4 | 41.2# |



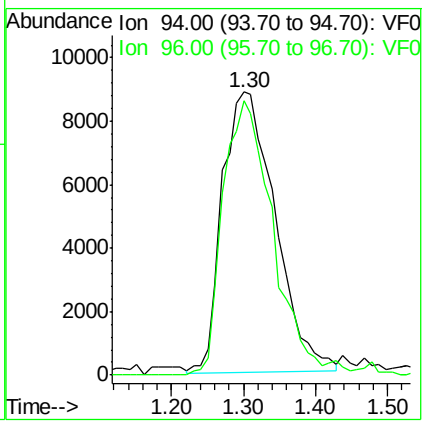


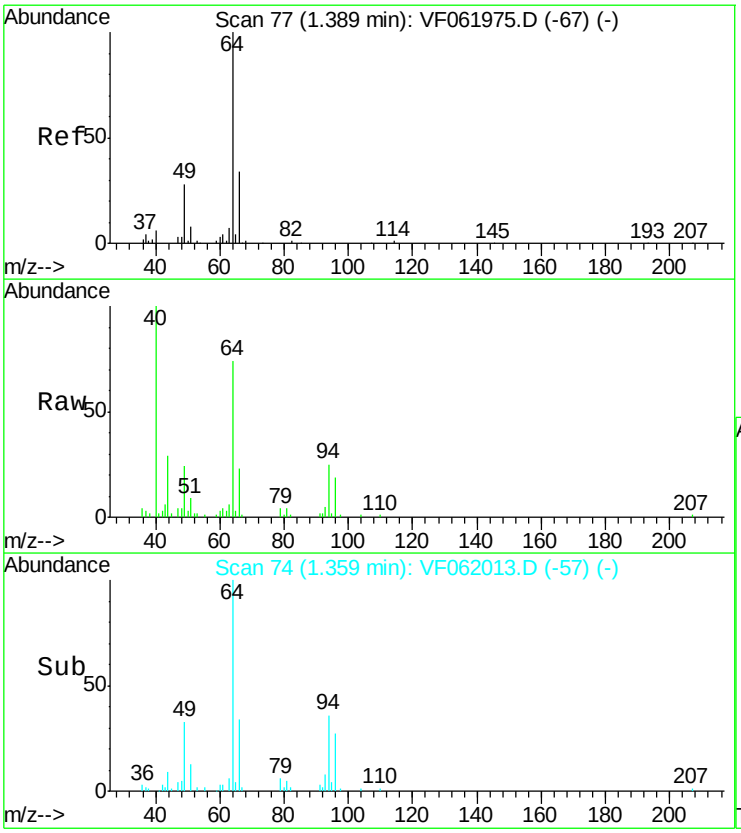

#5
Bromomethane
Concen: 22.512 ug/l
RT: 1.30 min Scan# 68
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 94 Resp: 44862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.1 | 75.0 | 112.6 |

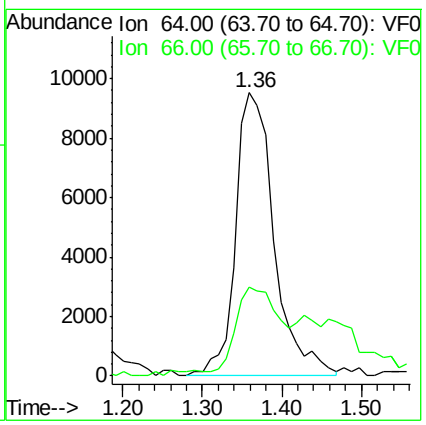


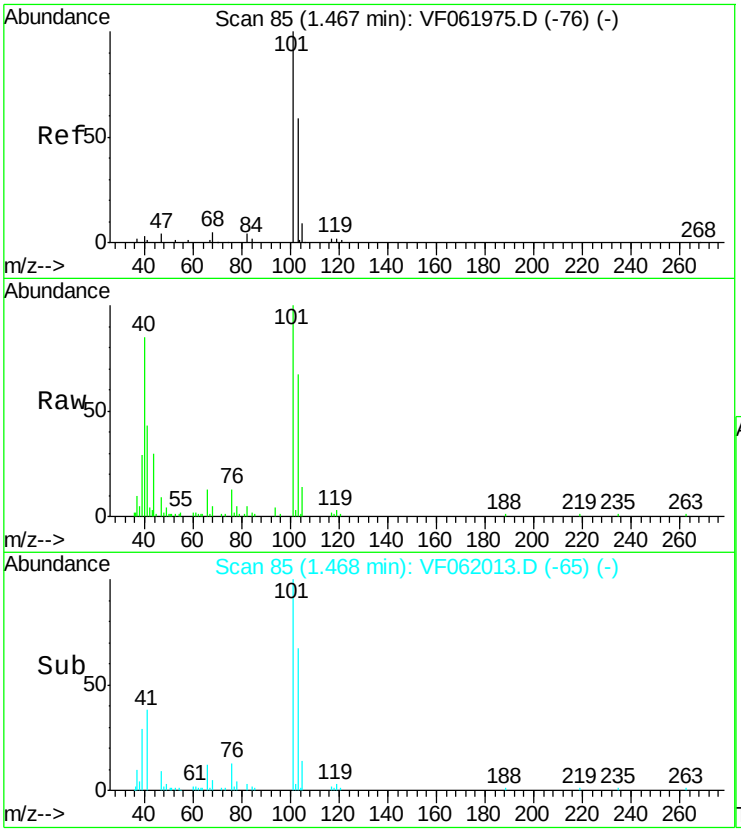




#6
Chloroethane
Concen: 21.756 ug/l
RT: 1.36 min Scan# 74
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 64 Resp: 31861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.5 | 27.6 | 41.4 |



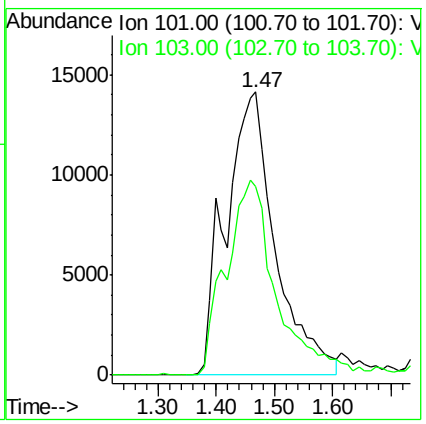


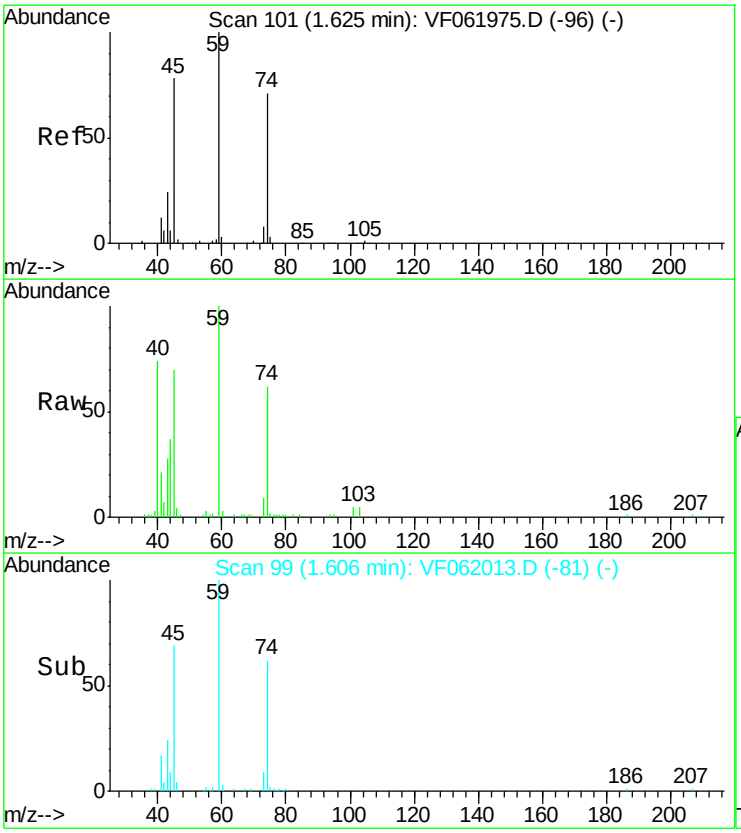

#7
Trichlorofluoromethane
Concen: 22.376 ug/l
RT: 1.47 min Scan# 85
Delta R.T. 0.00 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:101 Resp: 84095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.6 | 47.3 | 70.9 |

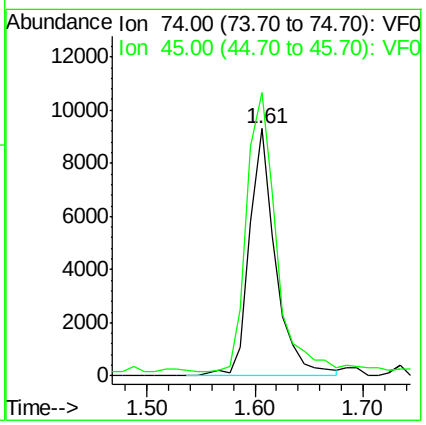


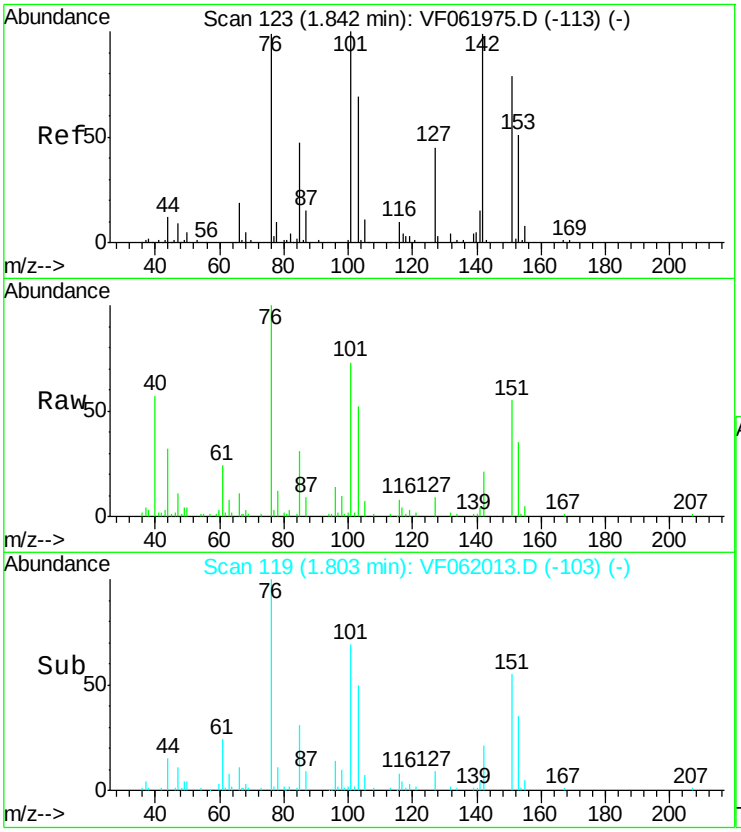




#8
Diethyl Ether
Concen: 18.810 ug/l
RT: 1.61 min Scan# 99
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 74 Resp: 15715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 114.4 | 56.3 | 168.8 |



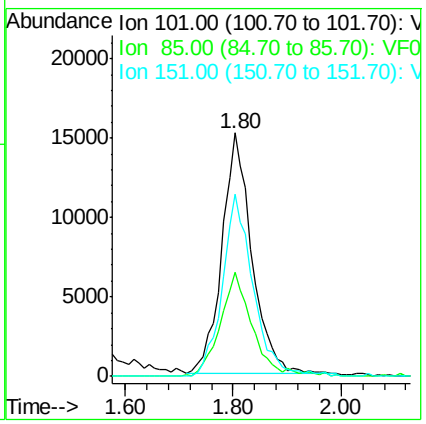


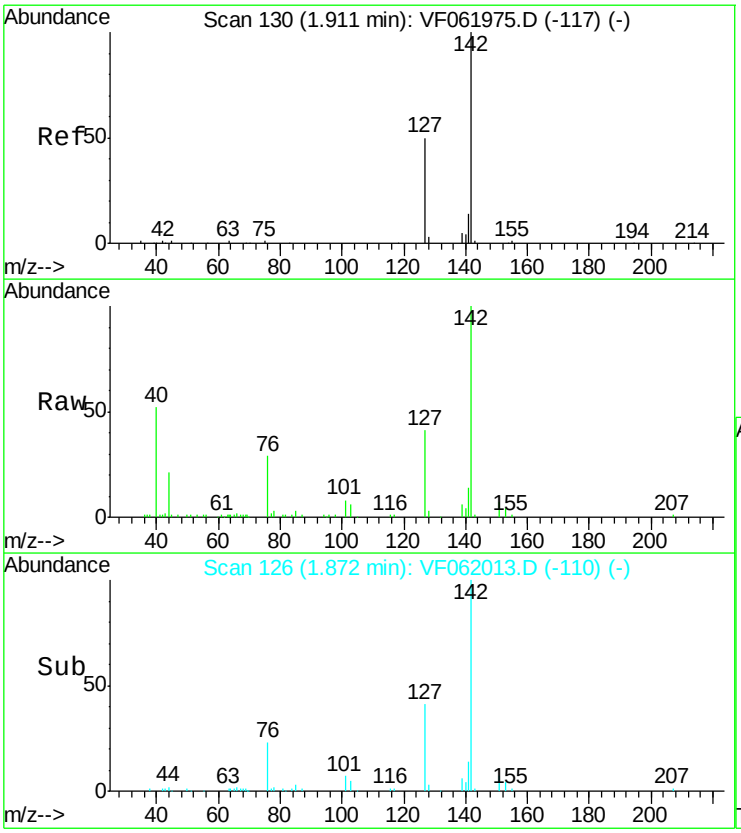

#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.082 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:101 Resp: 58471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.7 | 36.8 | 55.2 |
| 151 | 74.9 | 62.2 | 93.2 |

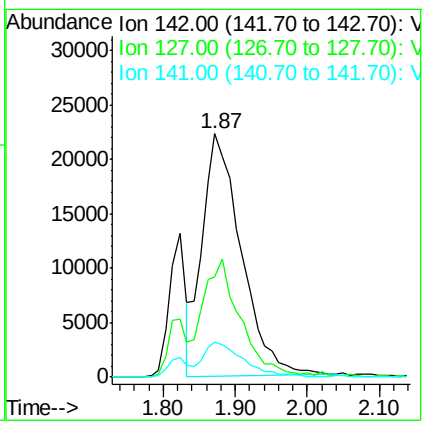


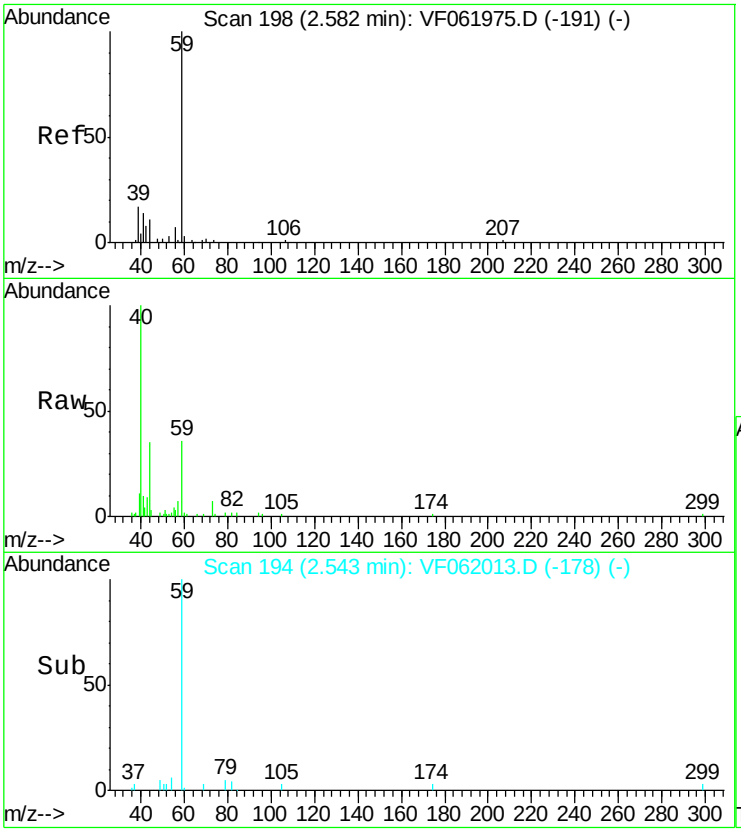




#10
Methyl Iodide
Concen: 18.063 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:142 Resp: 83714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 41.4 | 39.7 | 59.5 |
| 141 | 14.3 | 10.8 | 16.2 |



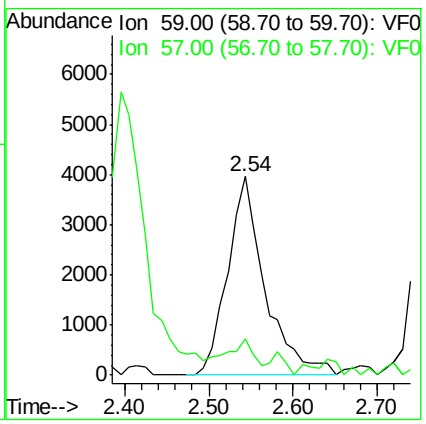


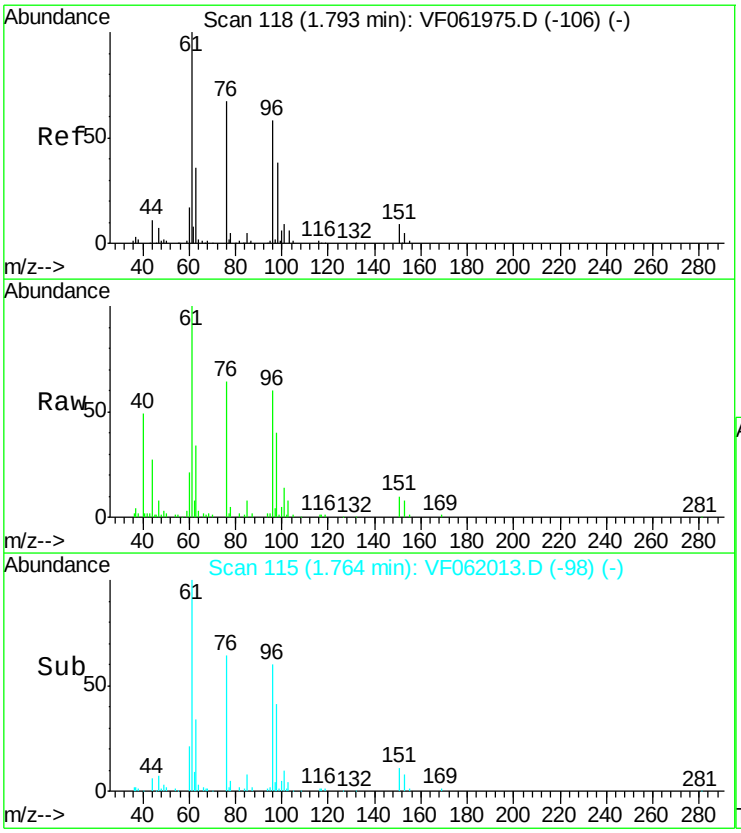

#11
Tert butyl alcohol
Concen: 102.667 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 59 Resp: 12244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 18.4 | 8.7 | 13.1# |

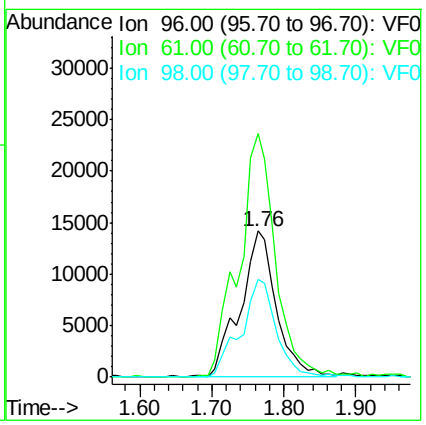


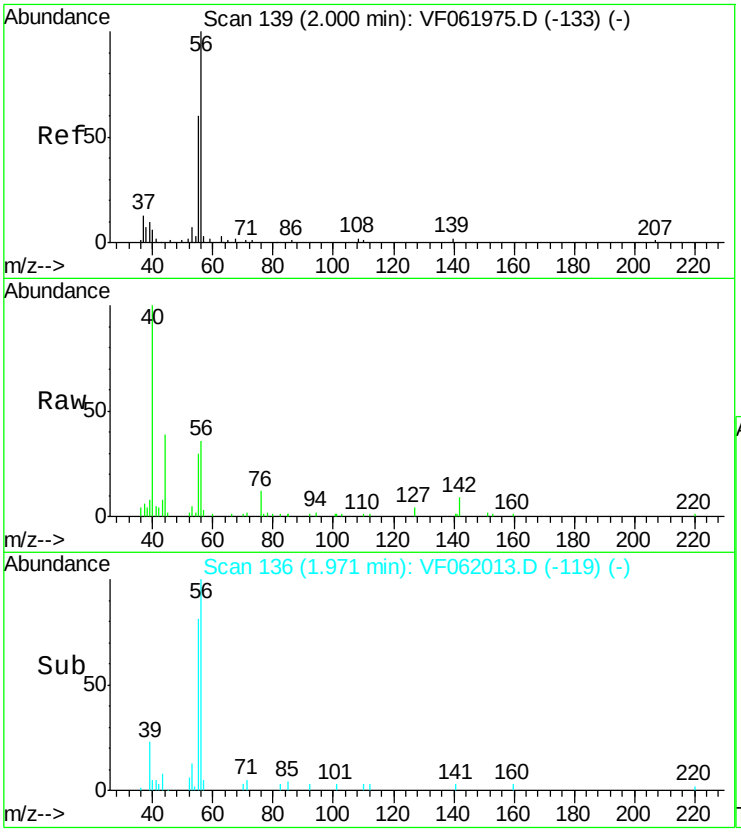




#12
1,1-Dichloroethene
Concen: 21.814 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 96 Resp: 49847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.1 | 138.6 | 208.0 |
| 98 | 67.4 | 53.2 | 79.8 |



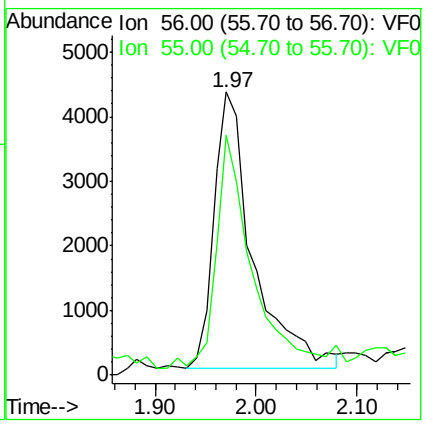


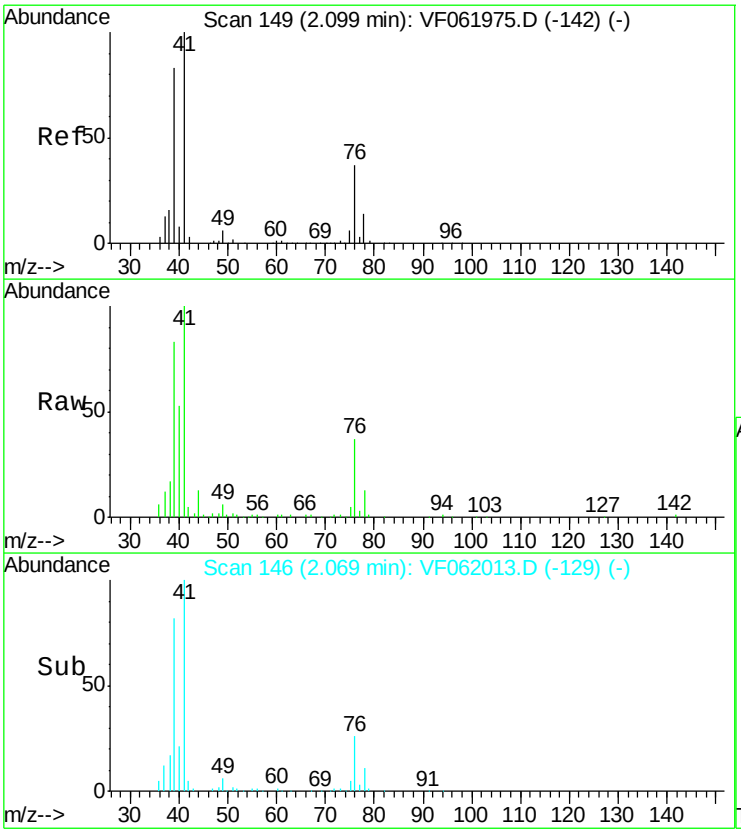

#13
Acrolein
Concen: 89.853 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 56 Resp: 11568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 84.6 | 49.1 | 73.7# |

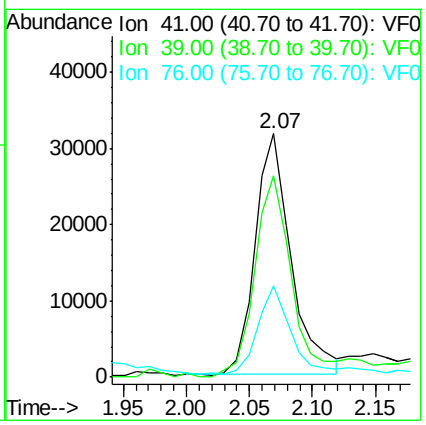


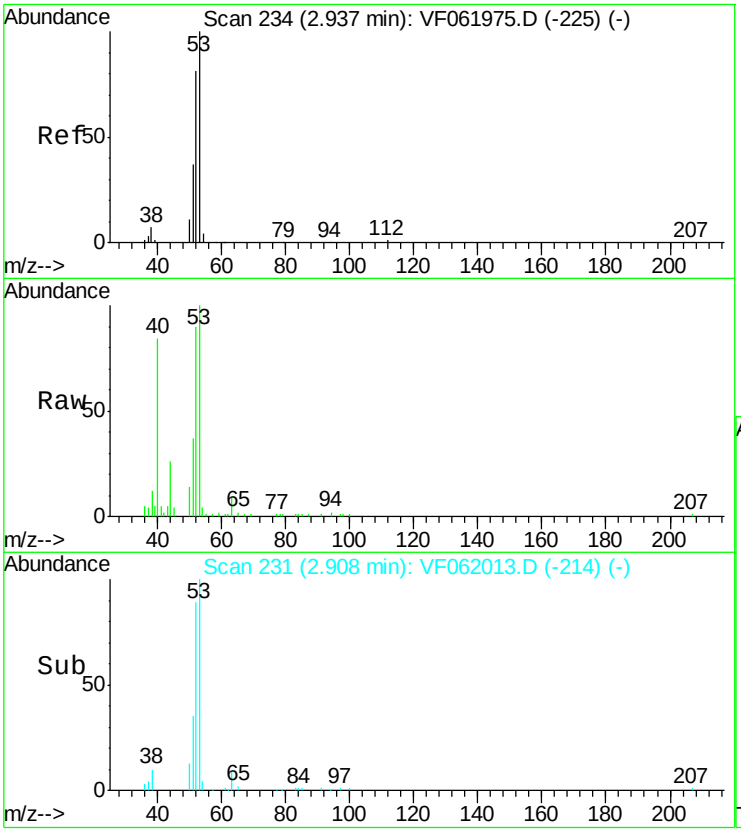




#14
Allyl chloride
Concen: 21.478 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 41 Resp: 62651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 82.6 | 66.8 | 100.2 |
| 76 | 37.3 | 31.1 | 46.7 |



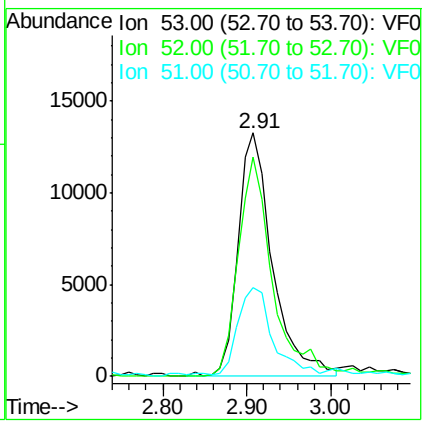


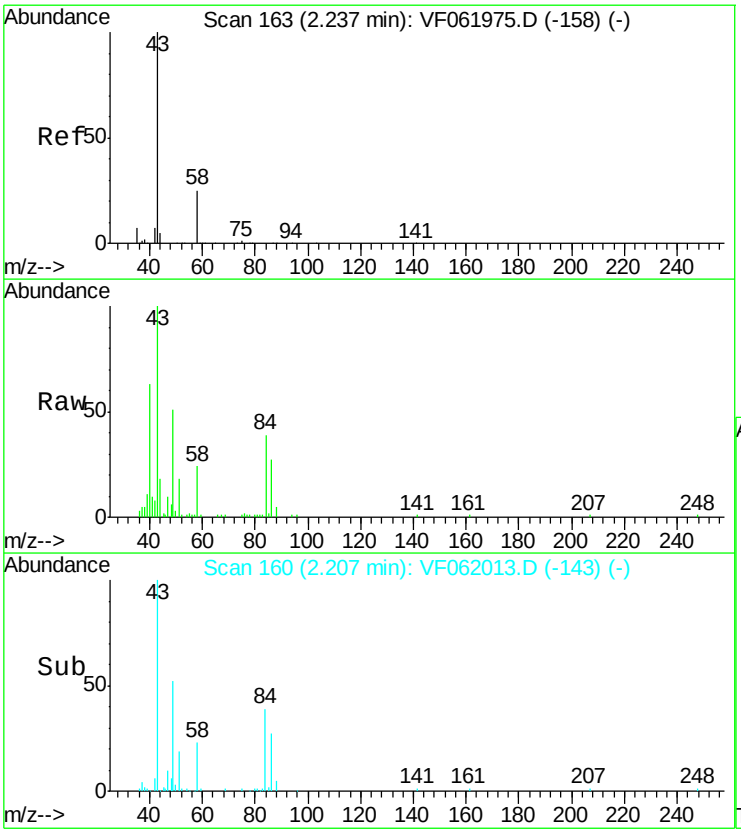

#15
Acrylonitrile
Concen: 104.596 ug/l
RT: 2.91 min Scan# 231
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 53 Resp: 37933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 90.2 | 64.4 | 96.6 |
| 51 | 36.5 | 30.3 | 45.5 |

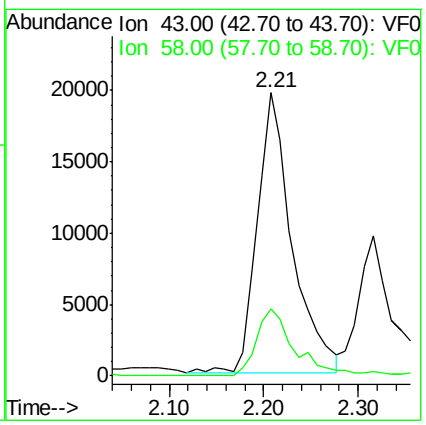


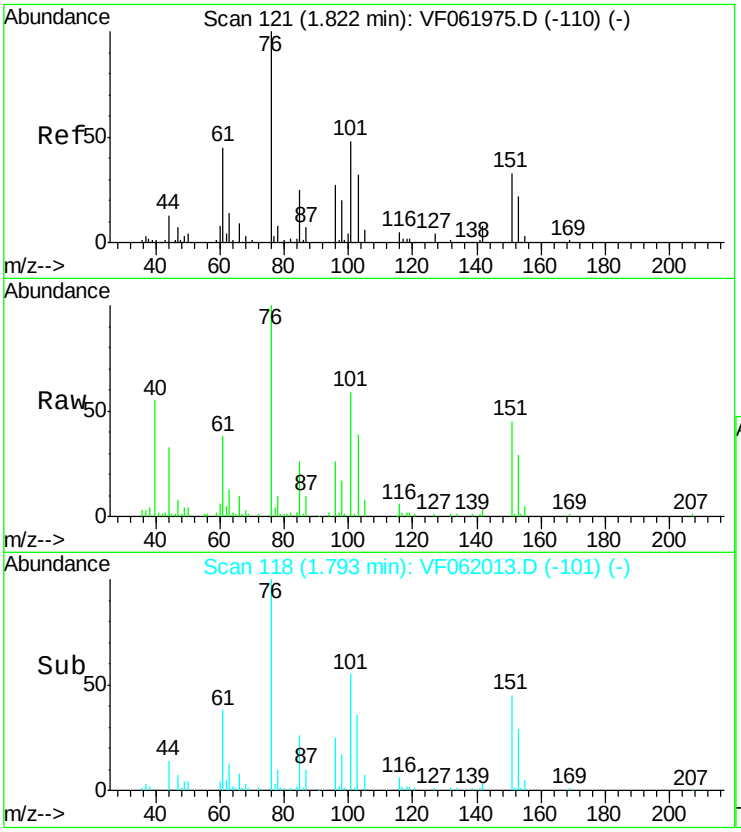




#16
Acetone
Concen: 115.872 ug/l
RT: 2.21 min Scan# 160
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 43 Resp: 50711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.5 | 19.9 | 29.9 |



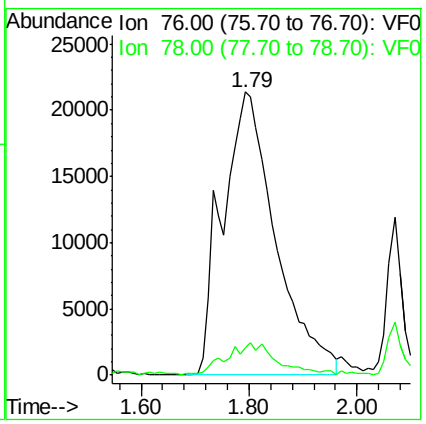


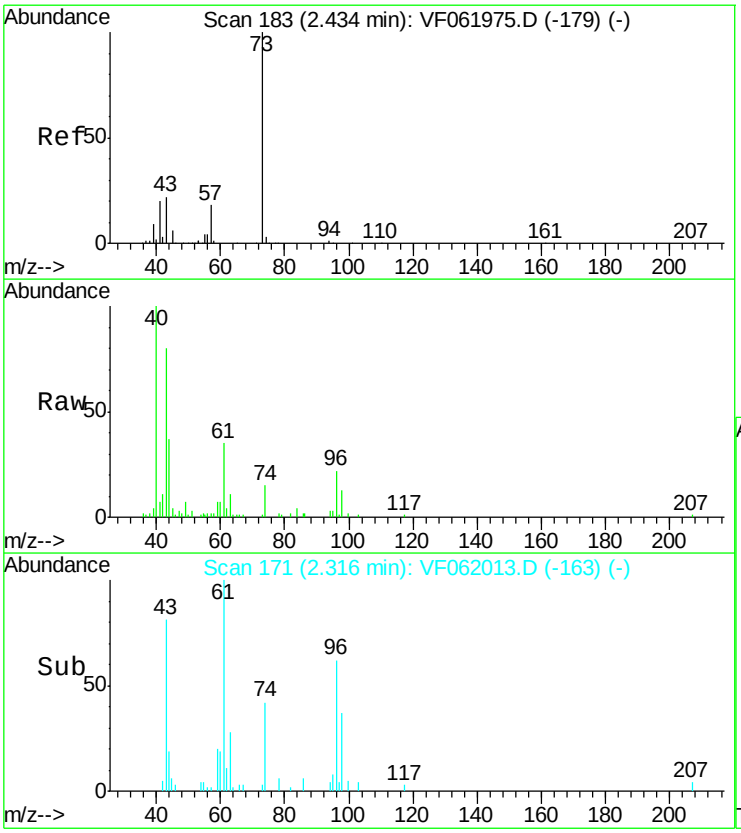

#17
Carbon Disulfide
Concen: 22.232 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 76 Resp: 146927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 6.8 | 10.2 |

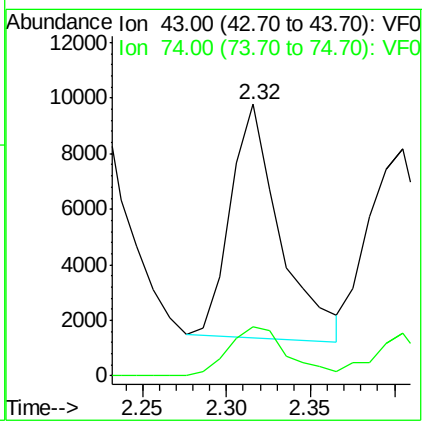


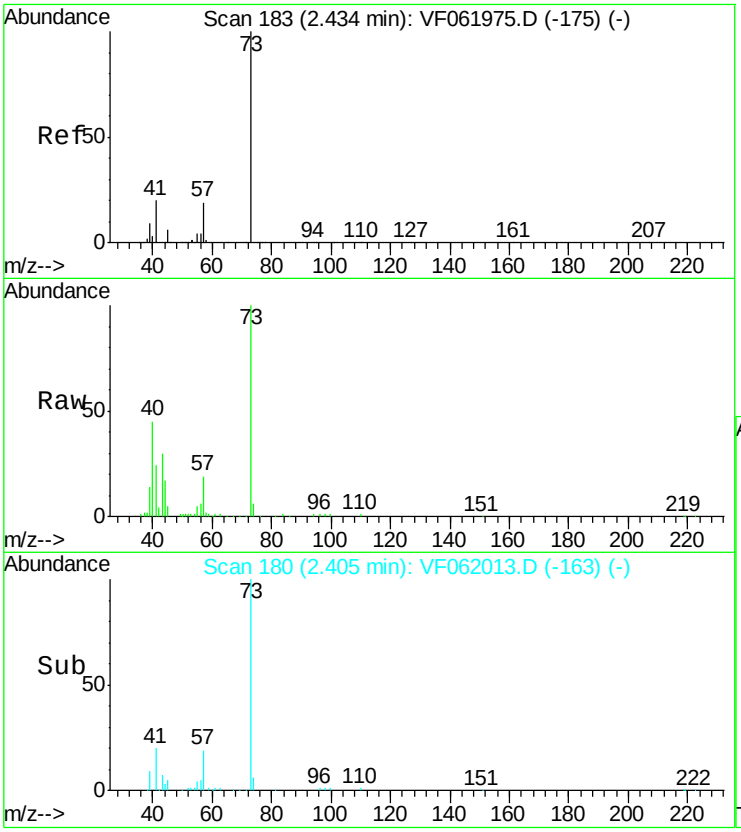




#18
Methyl Acetate
Concen: 19.123 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.12 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 43 Resp: 17122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 18.3 | 12.6 | 18.8 |



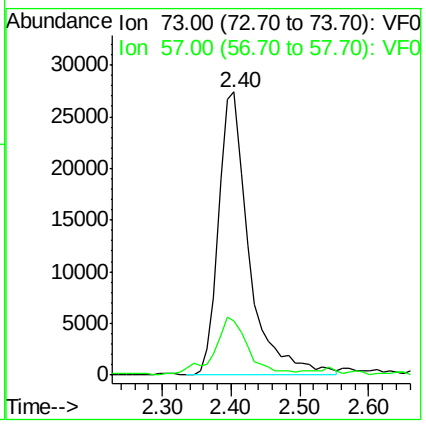


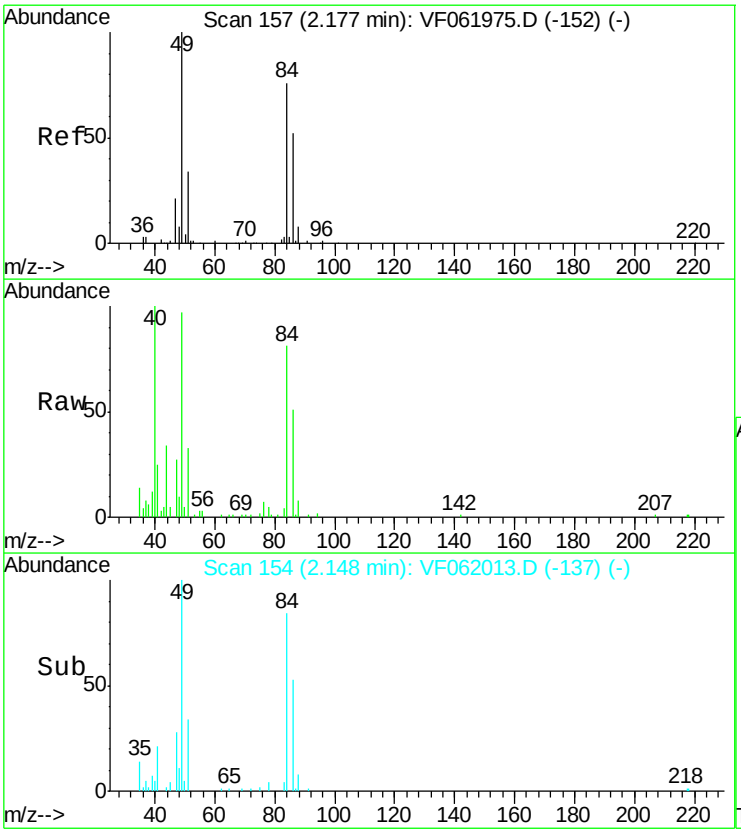

#19
Methyl tert-butyl Ether
Concen: 20.316 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 73 Resp: 84121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.0 | 15.3 | 22.9 |

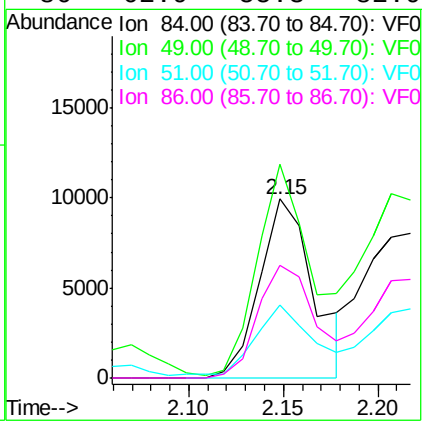


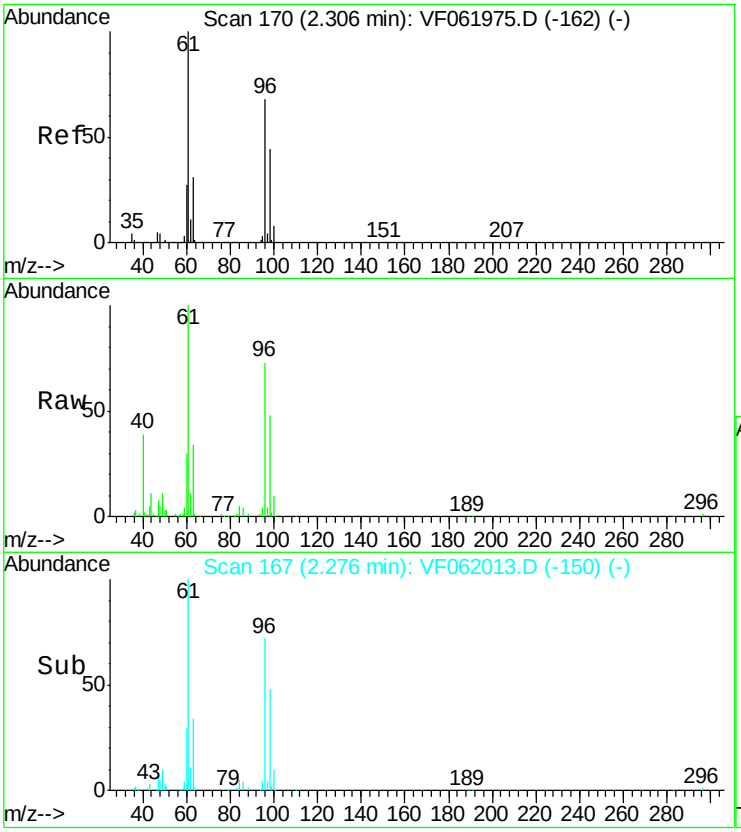




#20
Methylene Chloride
Concen: 8.783 ug/l
RT: 2.15 min Scan# 154
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 84 Resp: 19790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.4 | 107.0 | 160.6 |
| 51 | 40.6 | 37.2 | 55.8 |
| 86 | 62.9 | 55.3 | 82.9 |



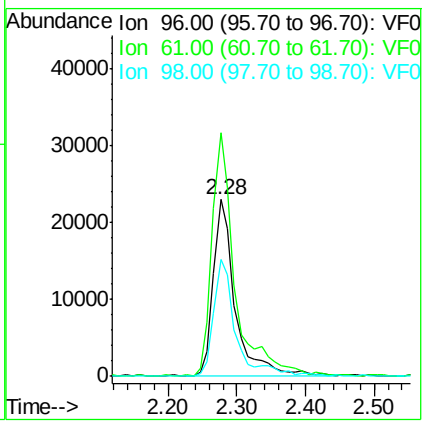


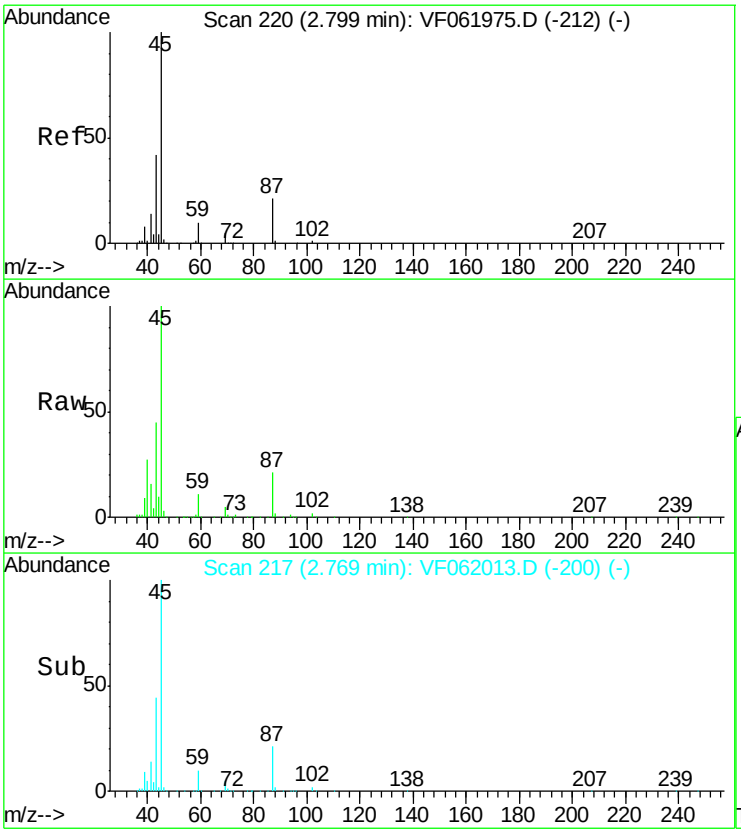

#21
trans-1,2-Dichloroethene
Concen: 21.567 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 96 Resp: 51430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.9 | 117.4 | 176.2 |
| 98 | 66.4 | 51.2 | 76.8 |

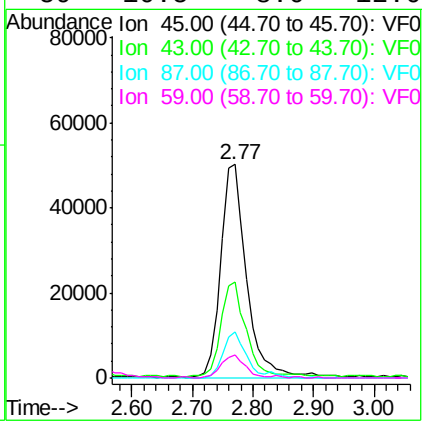


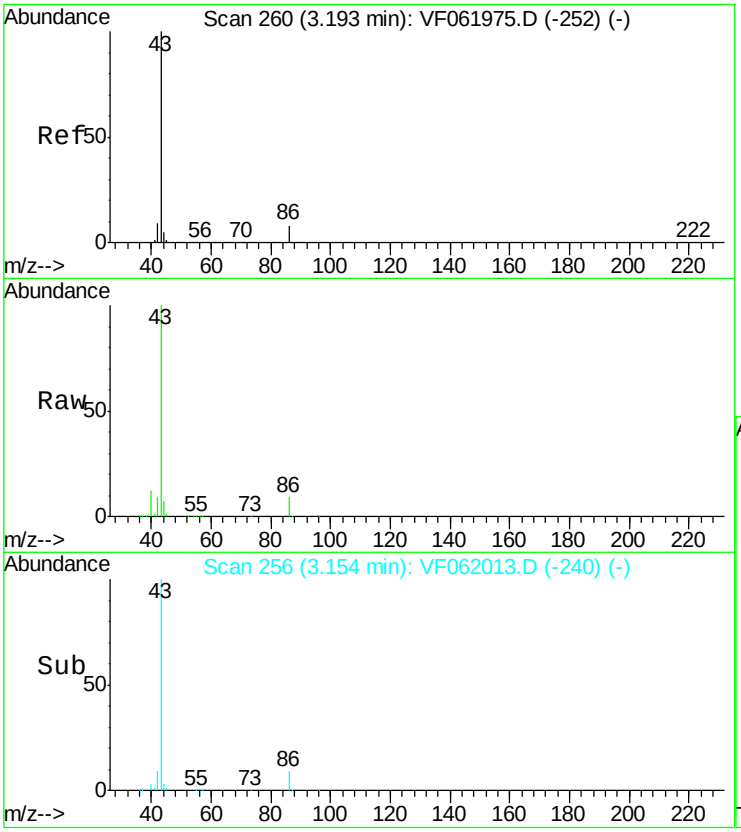




#22
Diisopropyl ether
Concen: 21.422 ug/l
RT: 2.77 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 45 Resp: 150300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 44.8 | 33.7 | 50.5 |
| 87 | 21.4 | 17.1 | 25.7 |
| 59 | 10.5 | 8.0 | 12.0 |



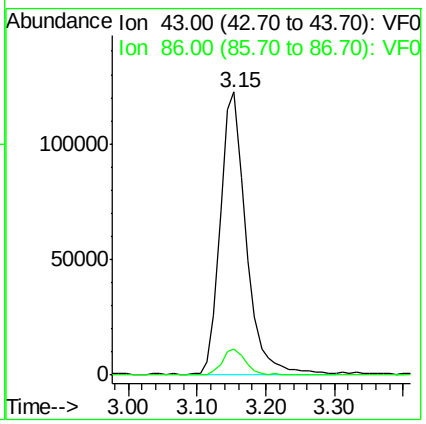


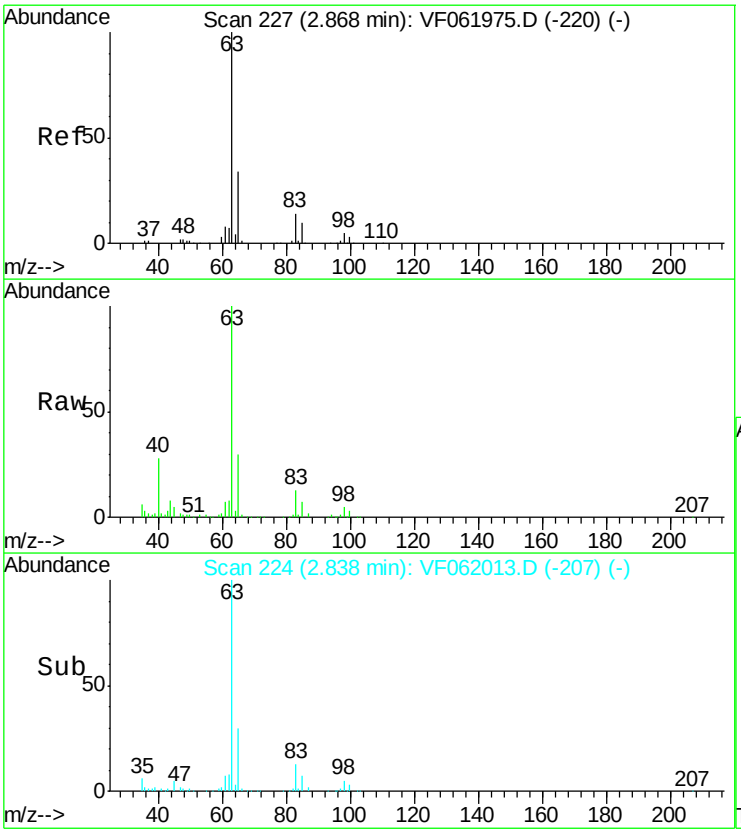

#23
Vinyl Acetate
Concen: 114.794 ug/l
RT: 3.15 min Scan# 256
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 317507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.1 | 6.5 | 9.7 |

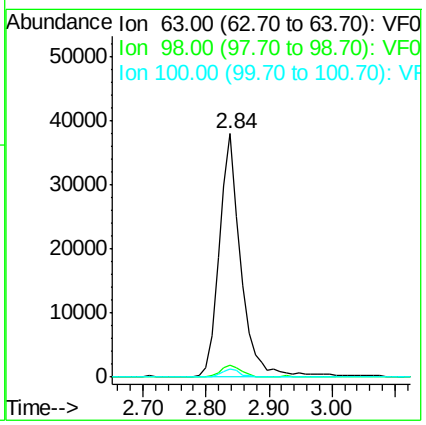


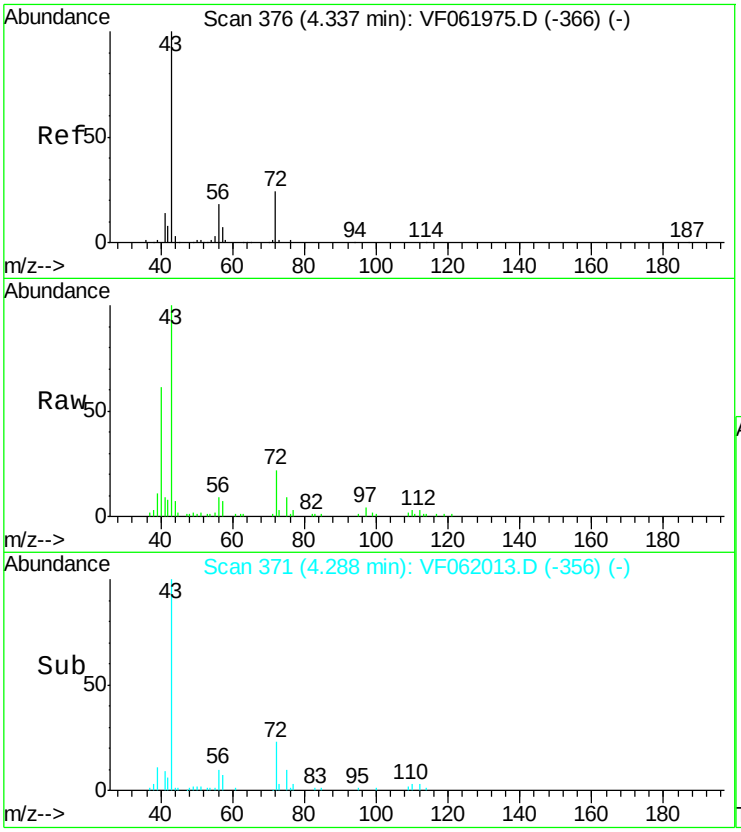




#24
1,1-Dichloroethane
Concen: 22.386 ug/l
RT: 2.84 min Scan# 224
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 63 Resp: 91326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.7 | 2.7 | 8.1 |
| 100 | 3.4 | 1.7 | 5.0 |



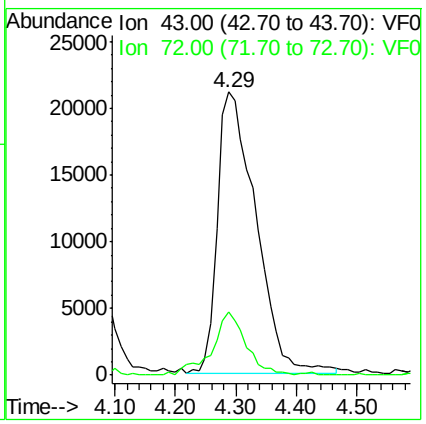


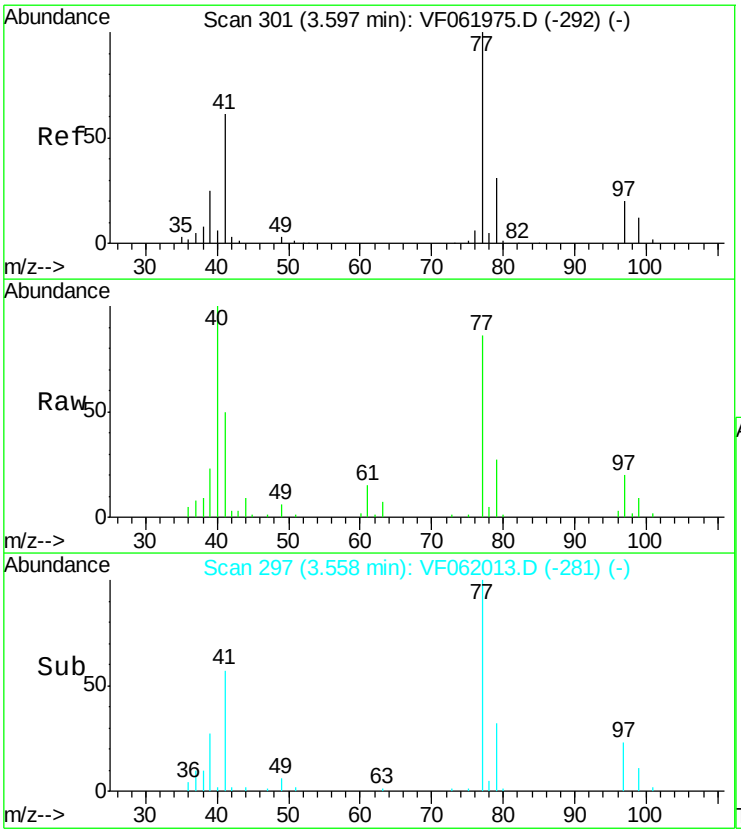

#25
2-Butanone
Concen: 107.015 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 92755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.4 | 19.8 | 29.6 |

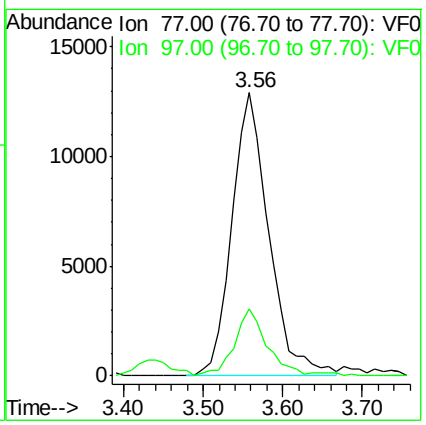


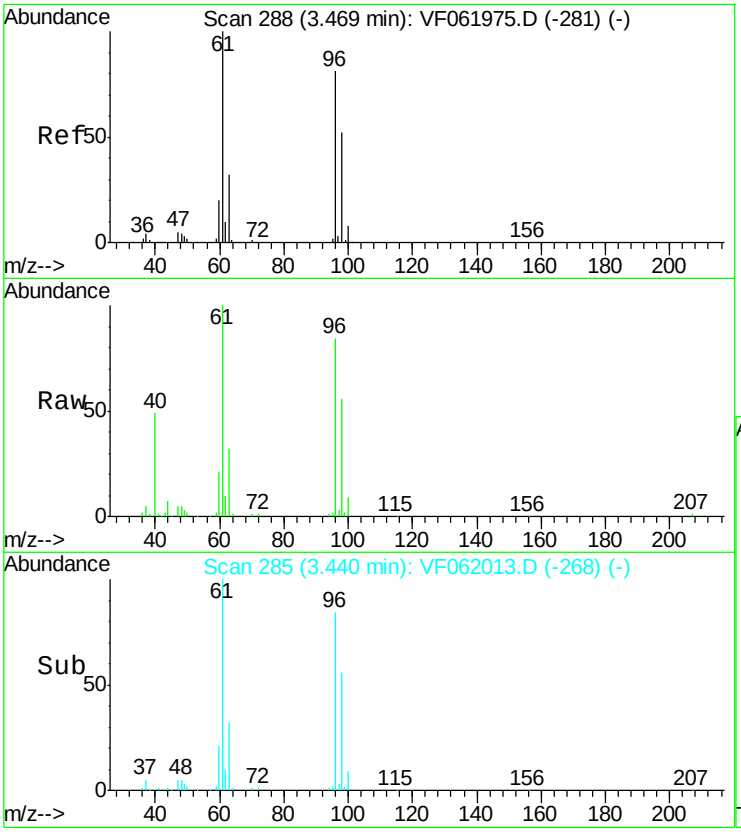




#26
2,2-Dichloropropane
Concen: 21.591 ug/l
RT: 3.56 min Scan# 297
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 77 Resp: 41549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.7 | 10.8 | 32.4 |



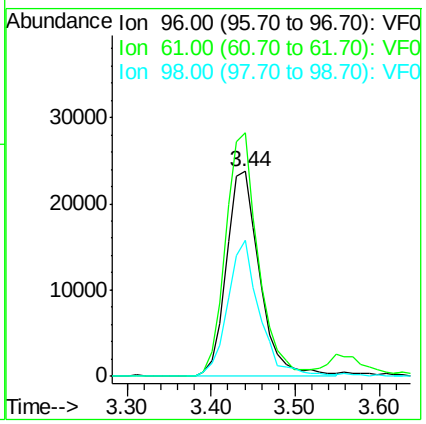


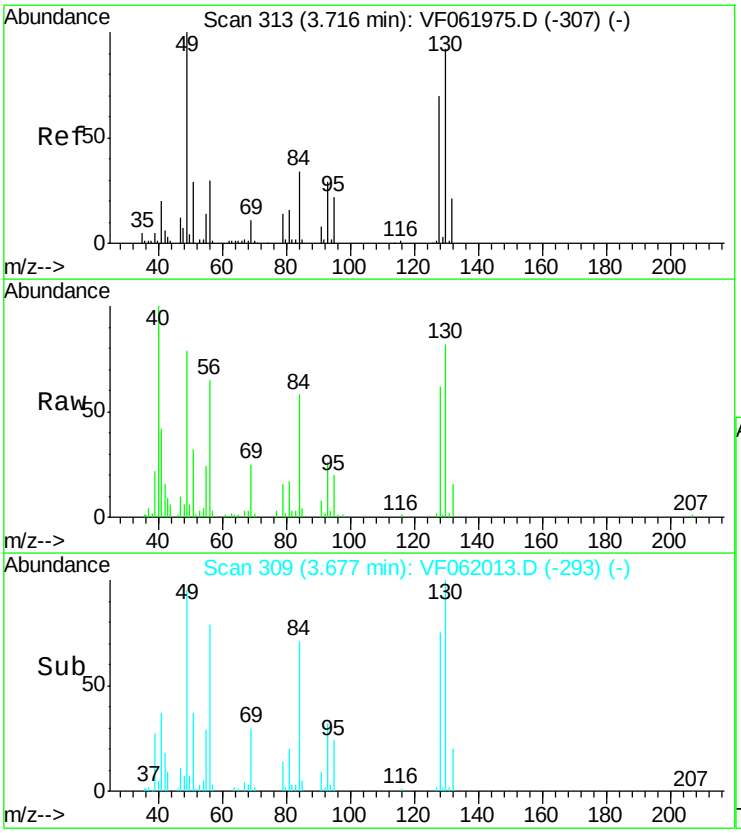

#27
cis-1,2-Dichloroethene
Concen: 21.803 ug/l
RT: 3.44 min Scan# 285
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 96 Resp: 65533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.8 | 0.0 | 246.6 |
| 98 | 66.2 | 0.0 | 129.2 |

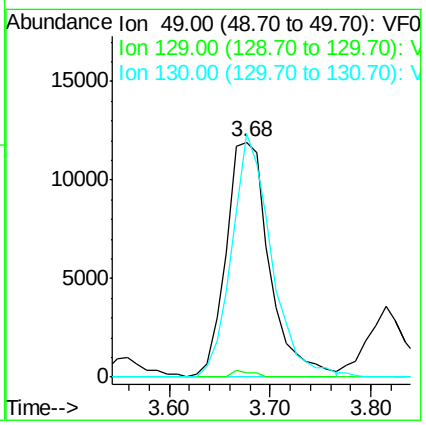


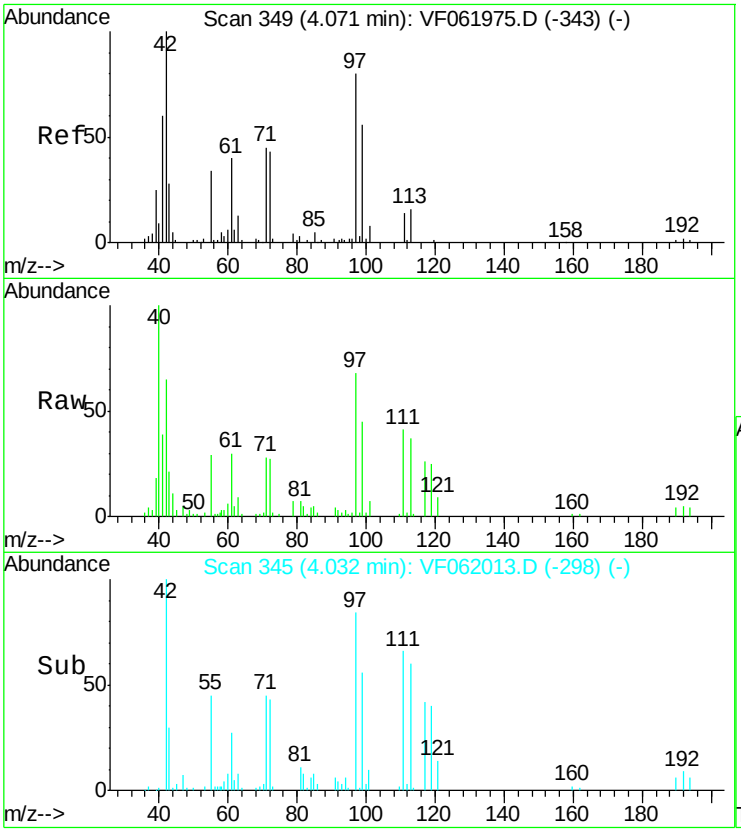




#28
Bromochloromethane
Concen: 21.066 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 49 Resp: 35661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 5.8 |
| 130 | 103.7 | 73.1 | 109.7 |



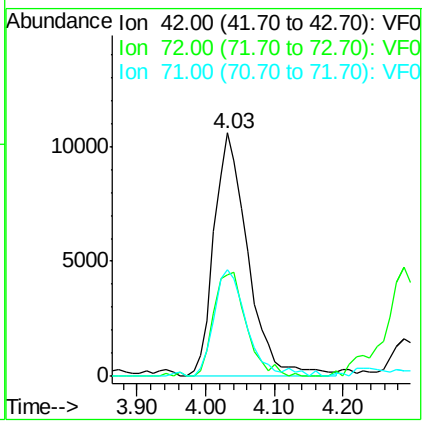


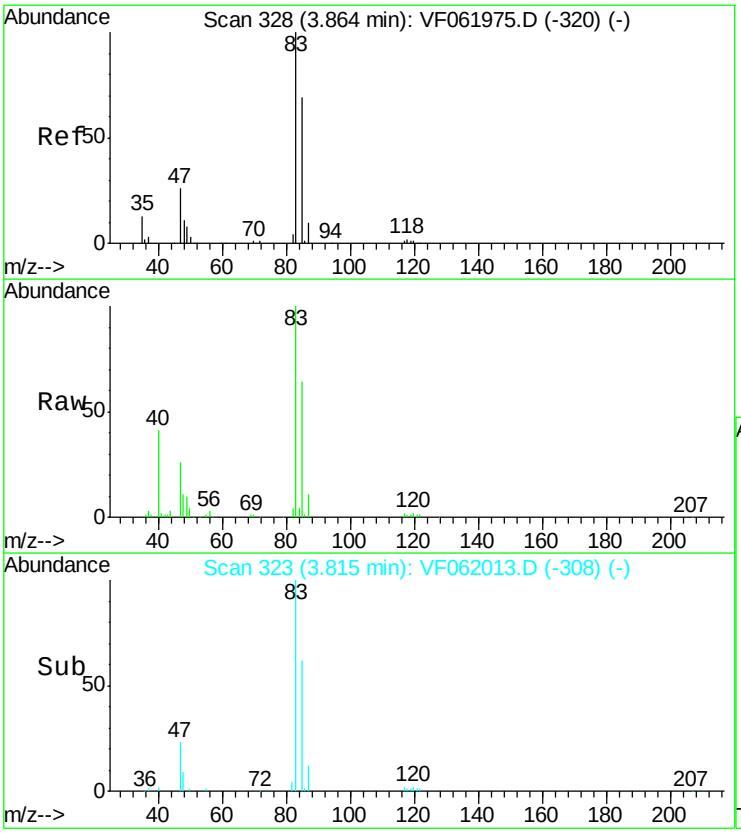

#29
Tetrahydrofuran
Concen: 96.110 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 42 Resp: 36228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.9 | 34.0 | 51.0 |
| 71 | 40.9 | 34.2 | 51.4 |

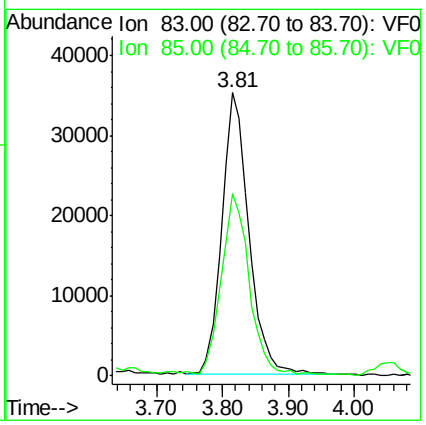


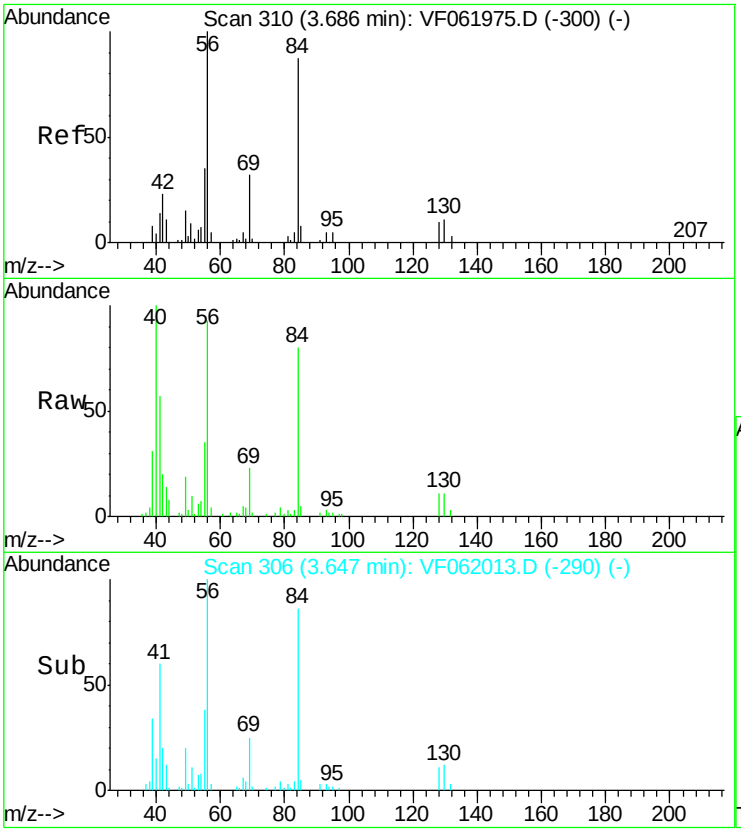




#30
Chloroform
Concen: 21.988 ug/l
RT: 3.81 min Scan# 323
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 83 Resp: 101639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 55.5 | 83.3 |



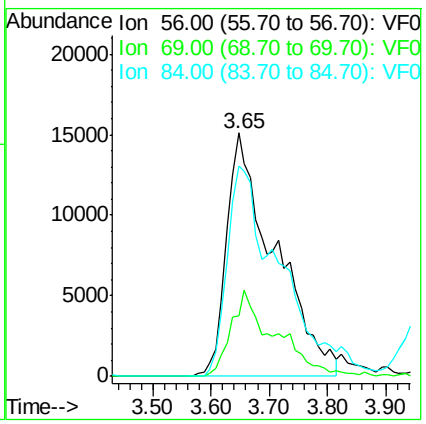


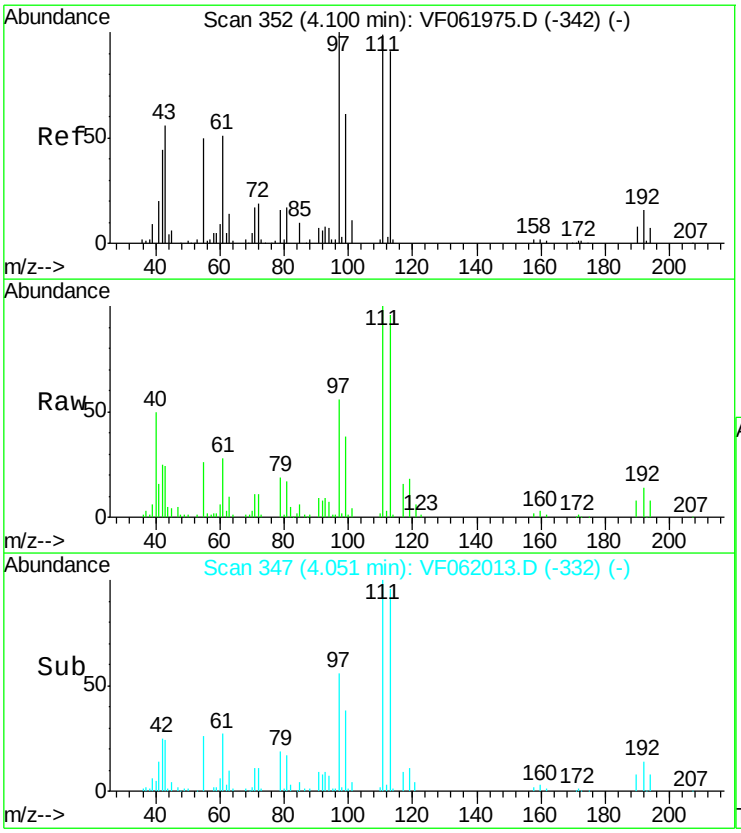

#31
Cyclohexane
Concen: 21.741 ug/l
RT: 3.65 min Scan# 306
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 56 Resp: 86899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 25.0 | 25.8 | 38.8# |
| 84 | 86.4 | 69.5 | 104.3 |

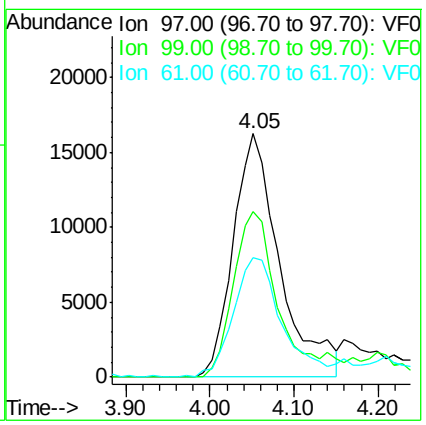


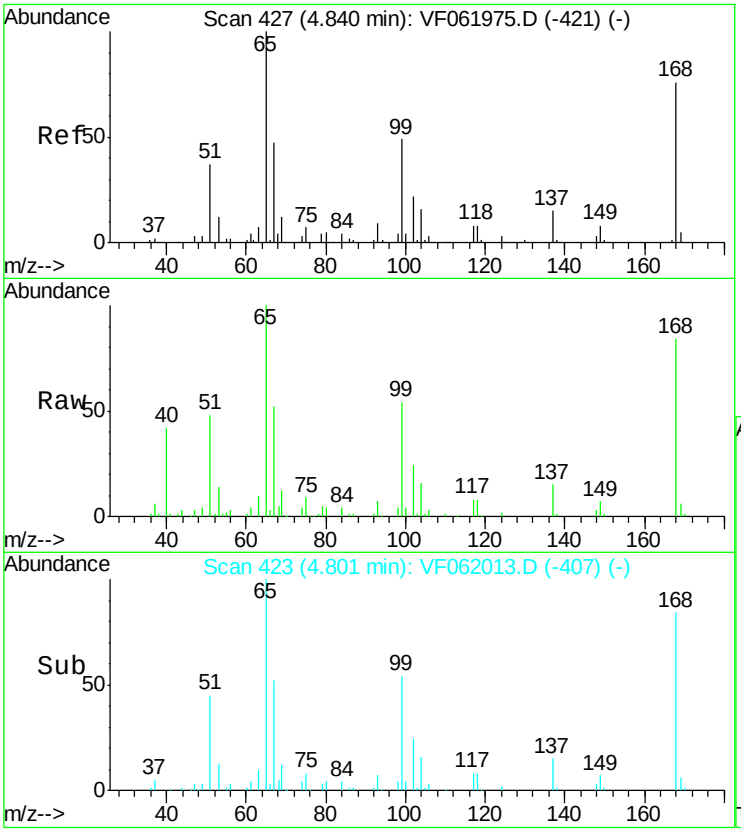




#32
1,1,1-Trichloroethane
Concen: 20.476 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 97 Resp: 62856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 68.0 | 49.0 | 73.4 |
| 61 | 49.3 | 41.4 | 62.0 |



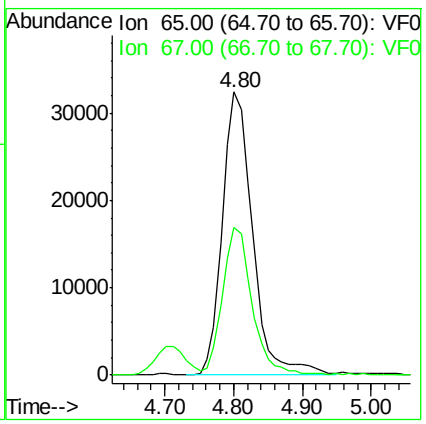


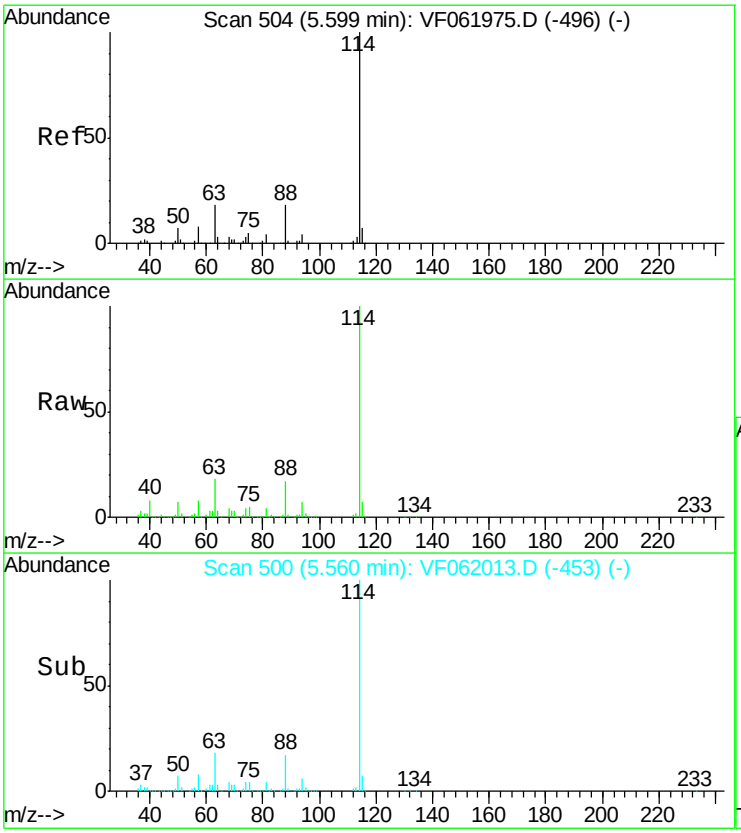

#33
1,2-Dichloroethane-d4
Concen: 50.659 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 65 Resp: 98732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 109.4 |

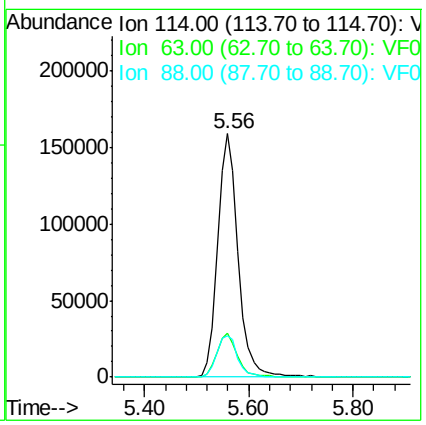


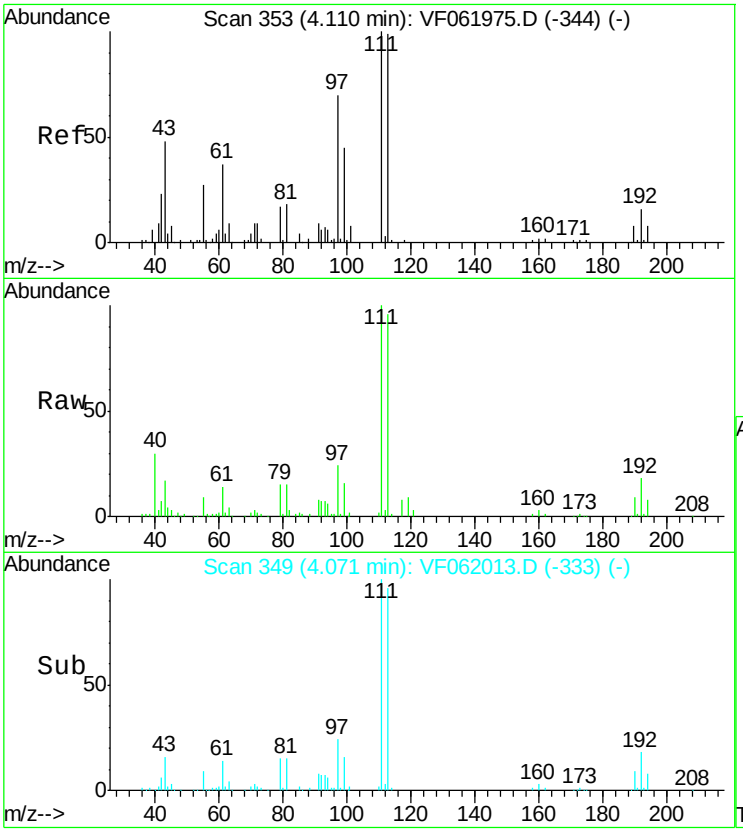




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.56 min Scan# 500
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:114 Resp: 430250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.1 | 0.0 | 36.4 |
| 88 | 16.9 | 0.0 | 36.4 |



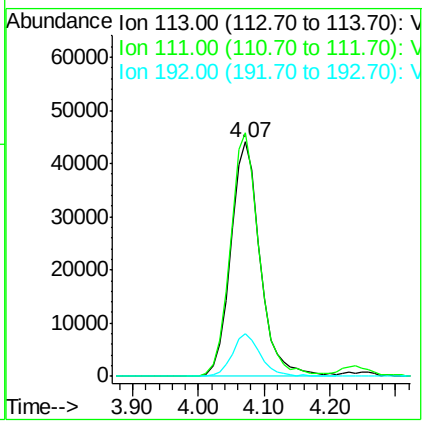


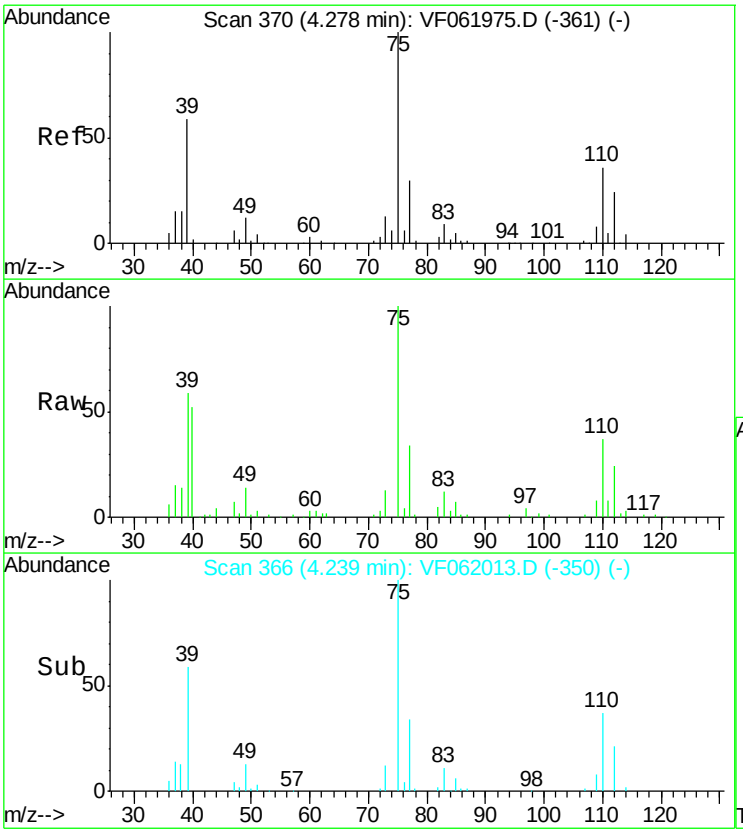

#35
Dibromofluoromethane
Concen: 47.920 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:113 Resp: 138451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 80.8 | 121.2 |
| 192 | 18.3 | 13.0 | 19.6 |

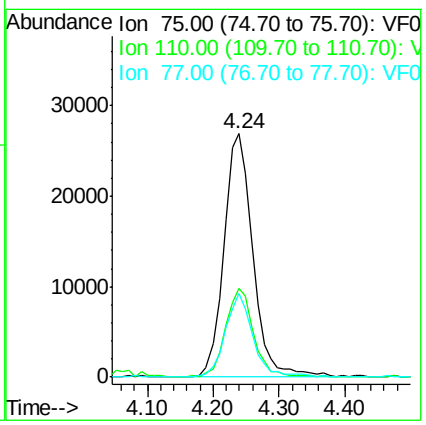


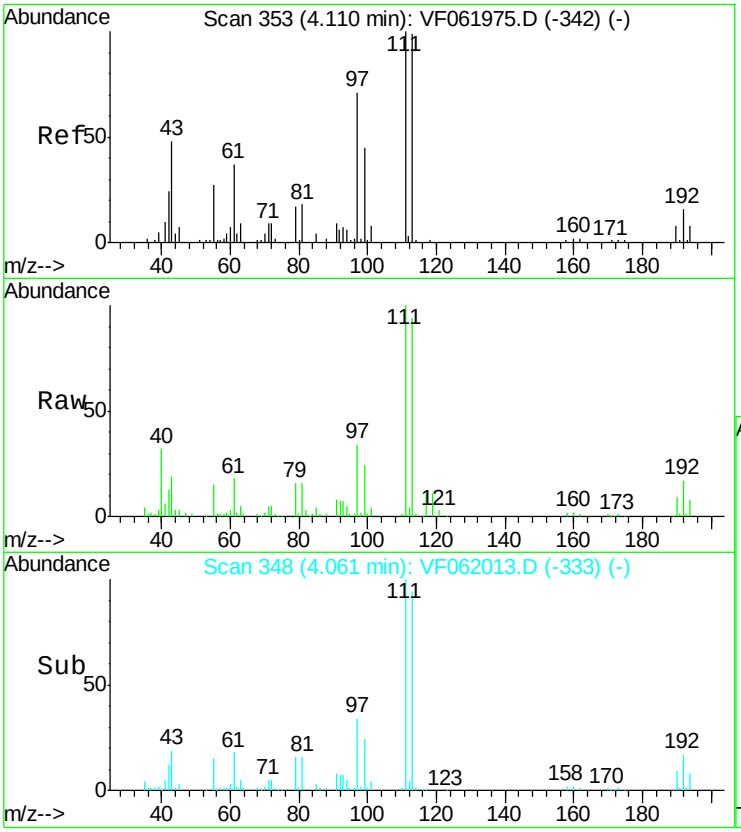




#36
1,1-Dichloropropene
Concen: 21.335 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 75 Resp: 82896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.7 | 17.8 | 53.3 |
| 77 | 34.3 | 24.2 | 36.2 |



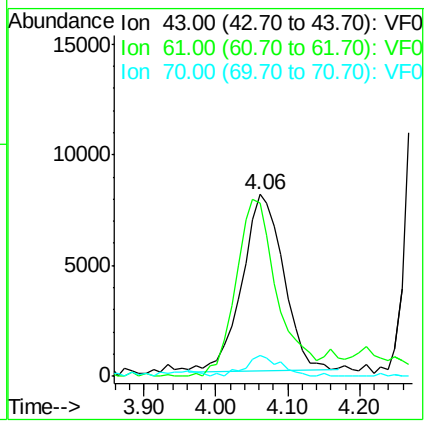


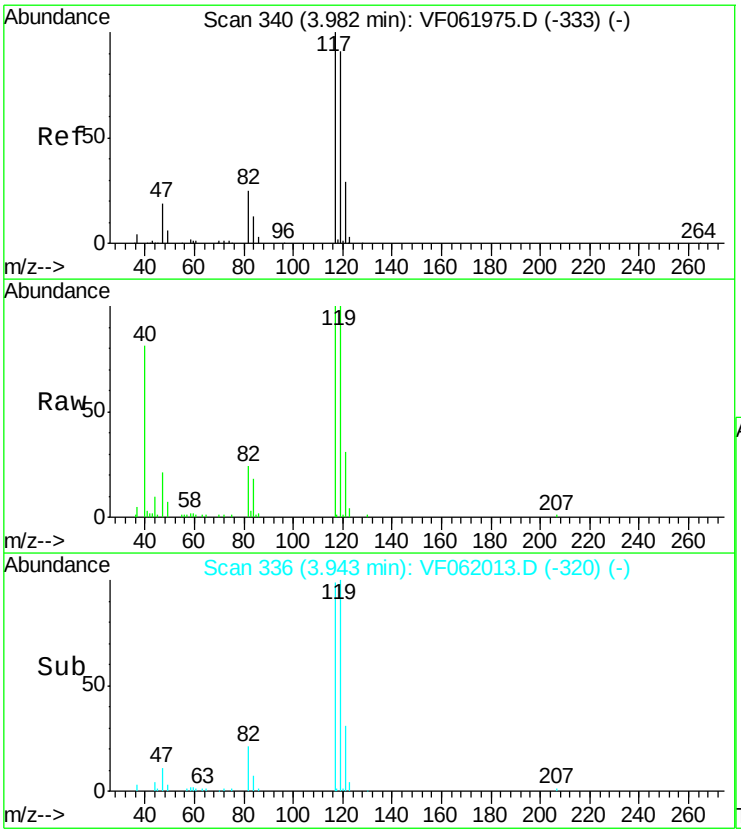

#37
Ethyl Acetate
Concen: 18.332 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 31981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 95.4 | 59.8 | 89.6# |
| 70 | 11.2 | 7.8 | 11.8 |

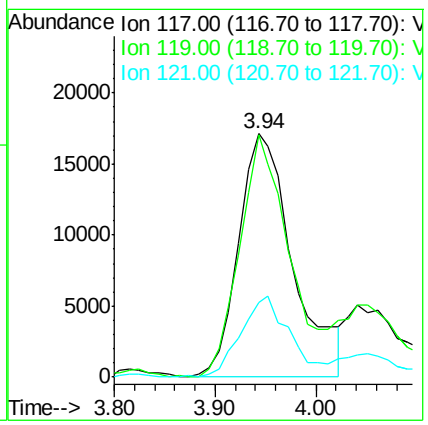


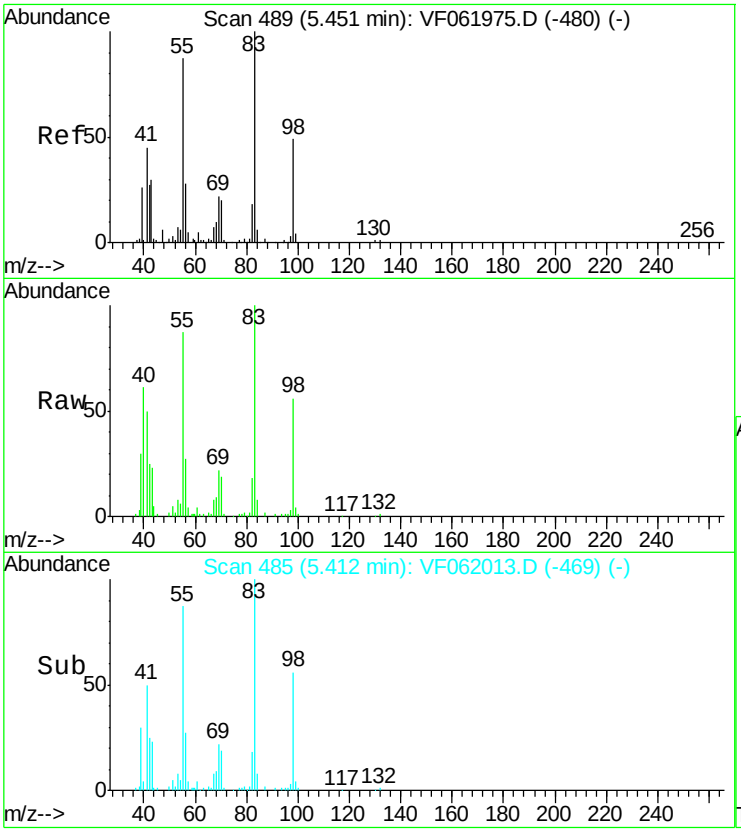




#38
Carbon Tetrachloride
Concen: 22.609 ug/l
RT: 3.94 min Scan# 336
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:117 Resp: 64198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.7 | 73.0 | 109.4 |
| 121 | 30.8 | 23.0 | 34.6 |



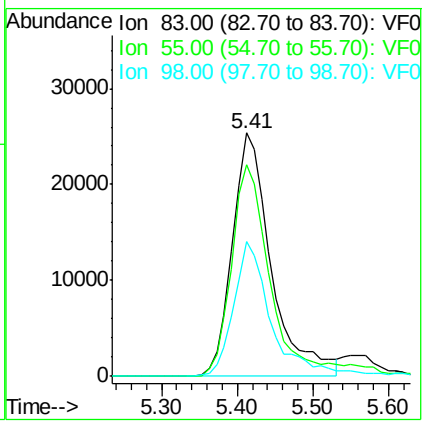


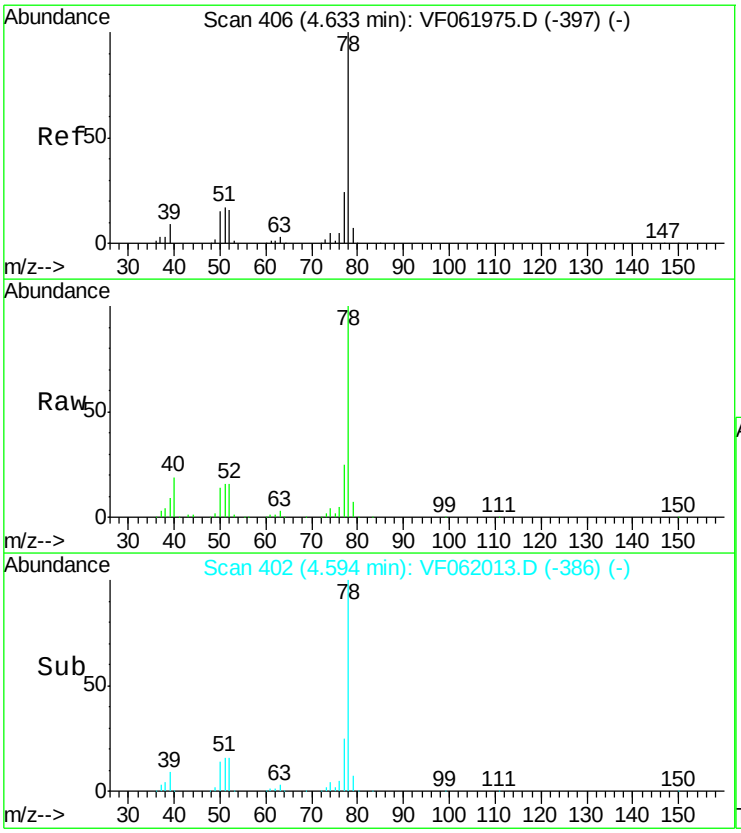

#39
Methylcyclohexane
Concen: 19.897 ug/l
RT: 5.41 min Scan# 485
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 83 Resp: 90755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.7 | 69.7 | 104.5 |
| 98 | 55.6 | 39.4 | 59.0 |

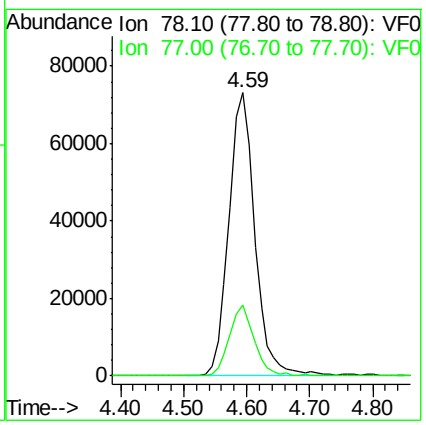


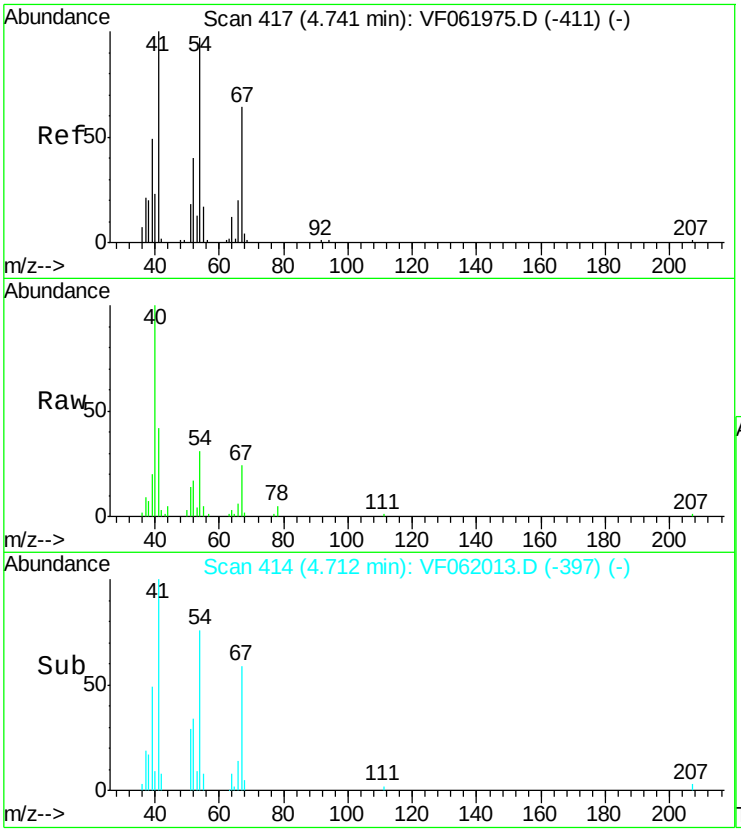




#40
Benzene
Concen: 20.249 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 78 Resp: 208470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.9 | 19.0 | 28.4 |



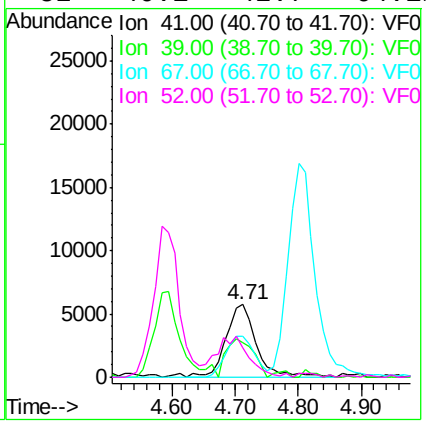


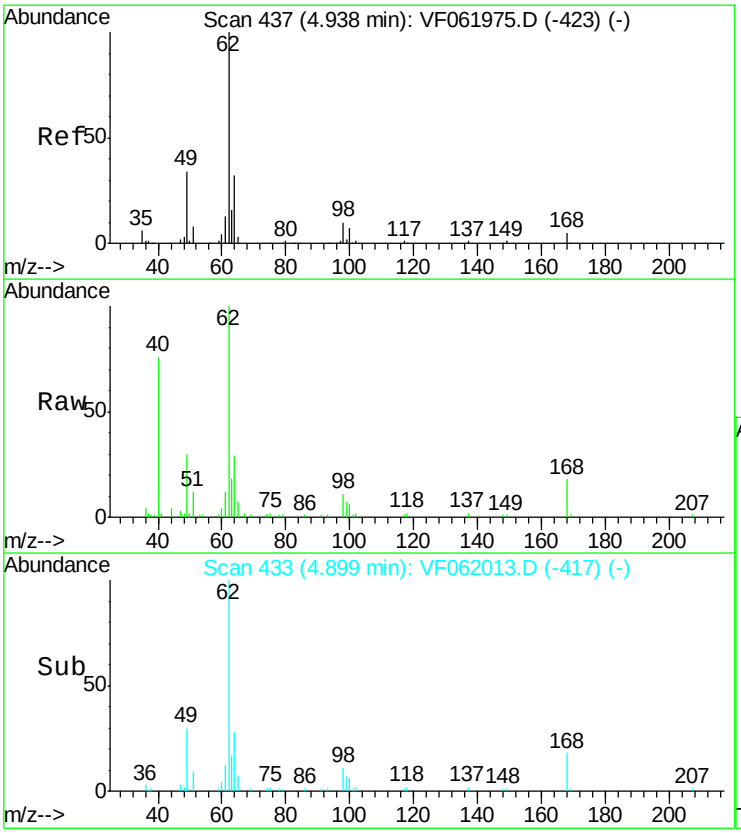

#41
Methacrylonitrile
Concen: 20.407 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 41 Resp: 19021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.9 | 46.2 | 69.4 |
| 67 | 56.9 | 49.8 | 74.8 |
| 52 | 40.1 | 42.7 | 64.1# |

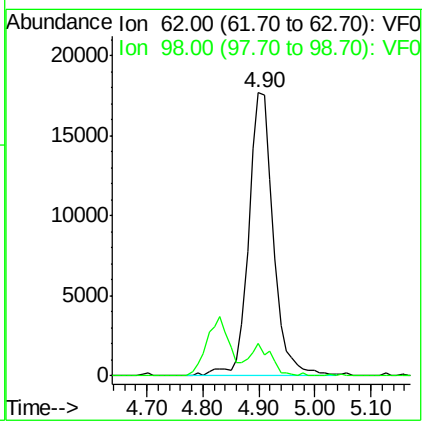


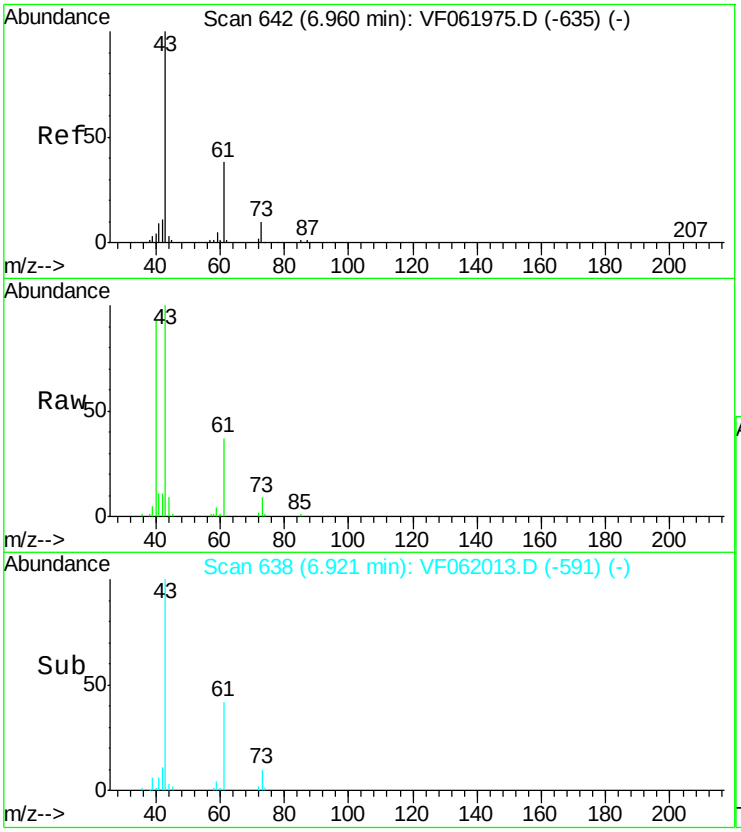




#42
1,2-Dichloroethane
Concen: 21.065 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 62 Resp: 53988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.4 | 0.0 | 19.8 |



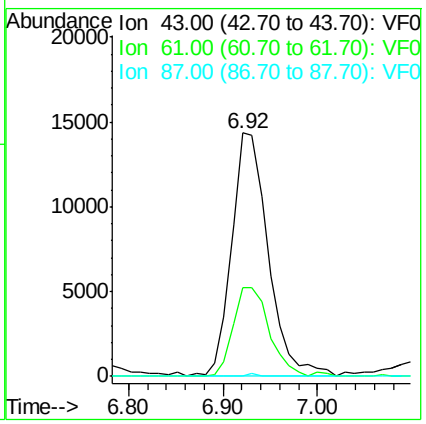


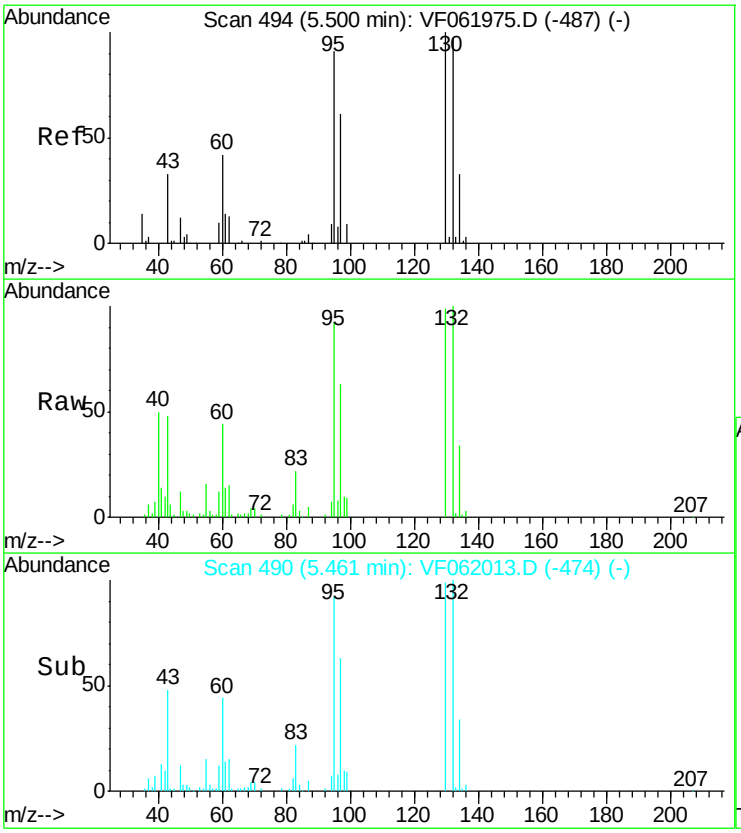

#43
Isopropyl Acetate
Concen: 18.662 ug/l
RT: 6.92 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 38520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 36.7 | 30.1 | 45.1 |
| 87 | 0.0 | 0.4 | 0.6# |

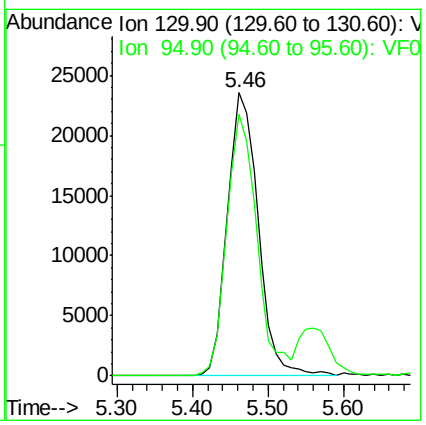


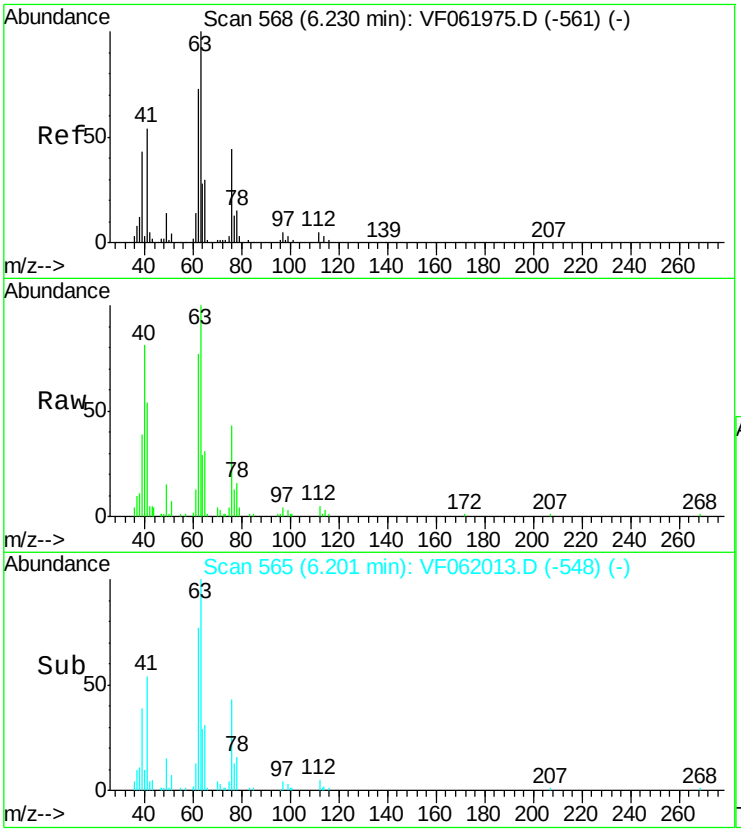




#44
Trichloroethene
Concen: 21.053 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:130 Resp: 66397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.3 | 0.0 | 181.4 |



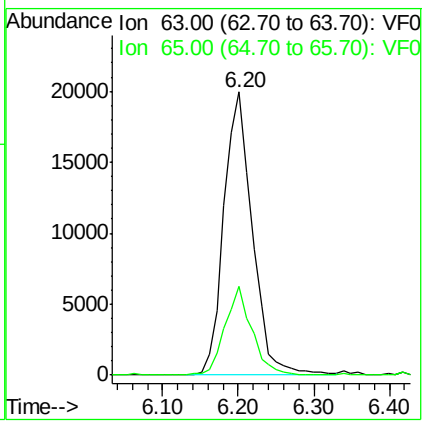


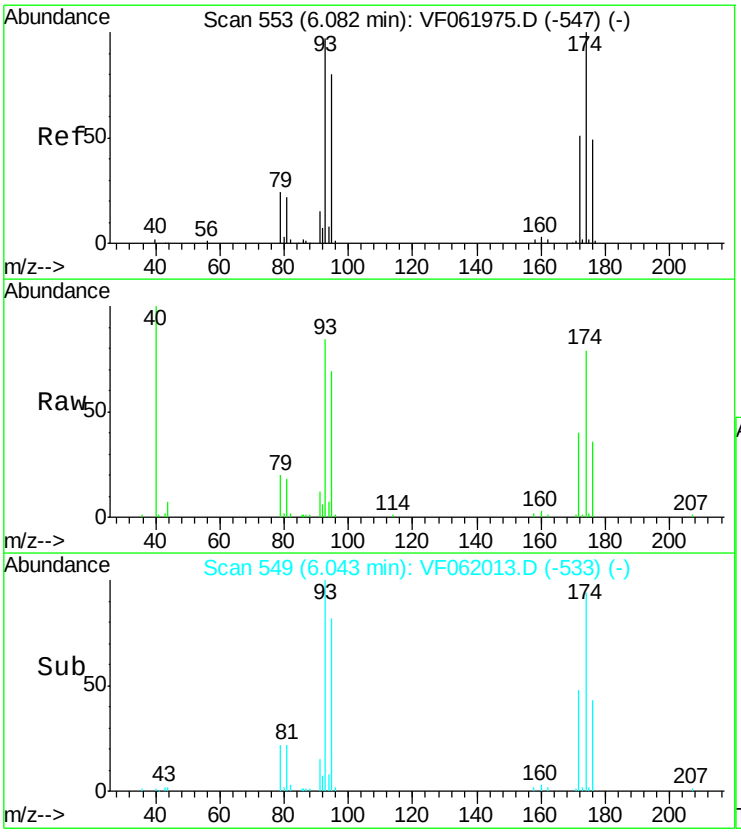

#45
1,2-Dichloropropane
Concen: 21.413 ug/l
RT: 6.20 min Scan# 565
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 63 Resp: 52171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 23.7 | 35.5 |

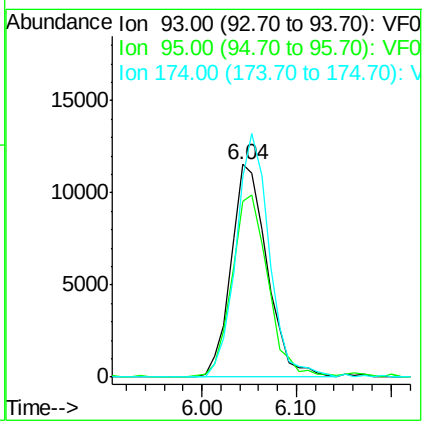


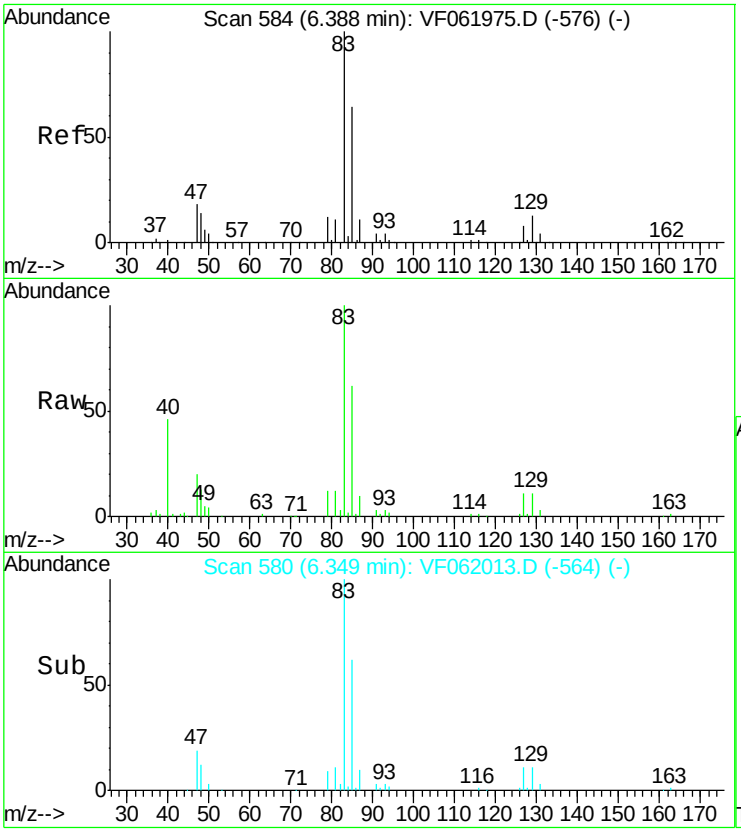




#46
Dibromomethane
Concen: 21.063 ug/l
RT: 6.04 min Scan# 549
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 93 Resp: 30529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.7 | 98.5 |
| 174 | 94.3 | 82.2 | 123.4 |



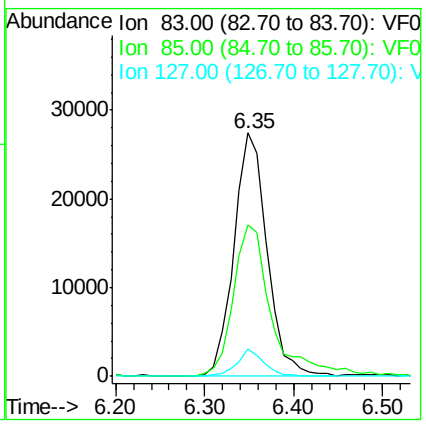


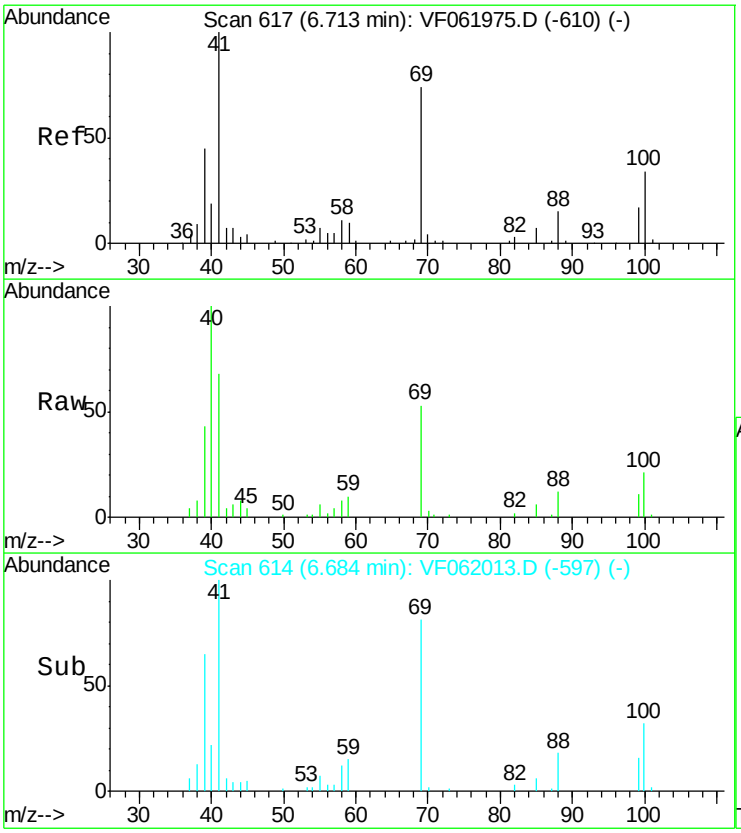

#47
Bromodichloromethane
Concen: 20.755 ug/l
RT: 6.35 min Scan# 580
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 83 Resp: 70923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.3 | 51.4 | 77.2 |
| 127 | 11.0 | 6.5 | 9.7# |

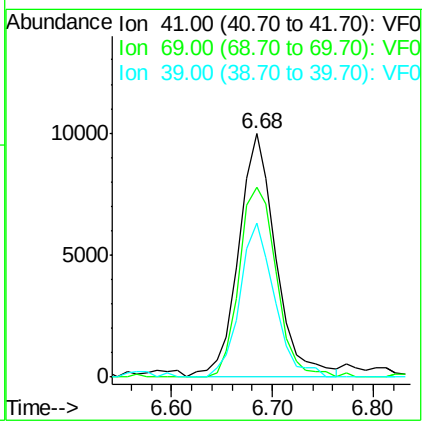


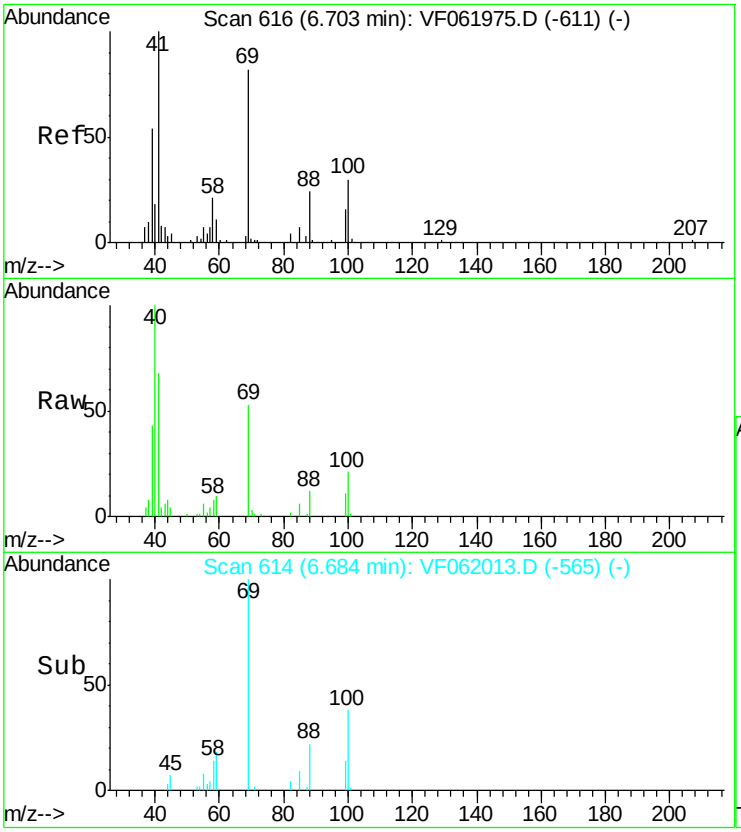




#48
Methyl methacrylate
Concen: 19.258 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 41 Resp: 25691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.9 | 59.0 | 88.6 |
| 39 | 63.0 | 35.6 | 53.4# |



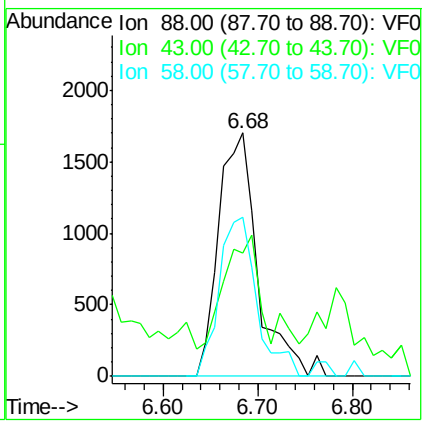


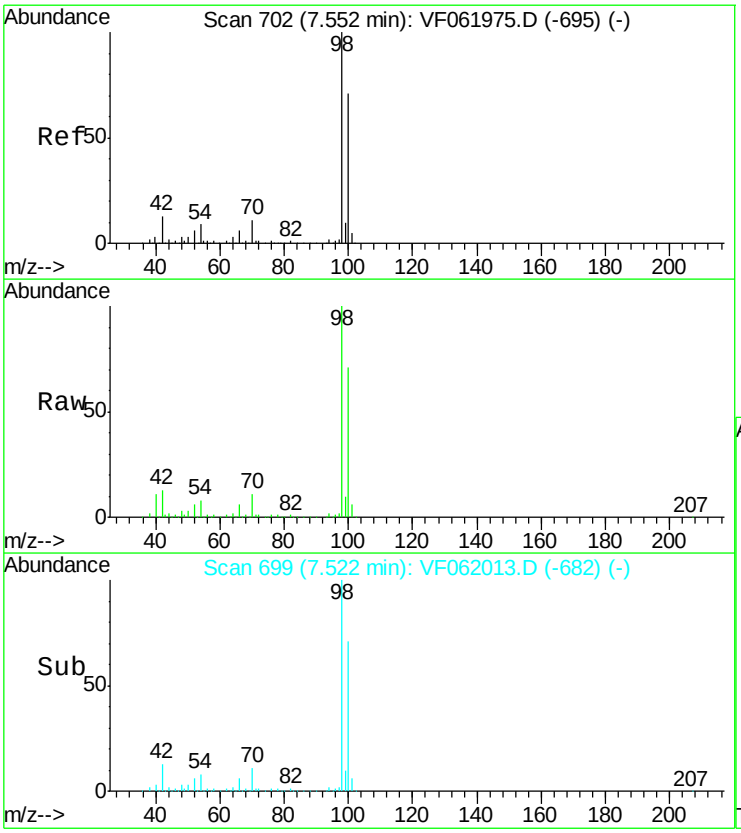

#49
1,4-Dioxane
Concen: 414.206 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 88 Resp: 4915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 50.4 | 31.2 | 46.8# |
| 58 | 65.1 | 69.9 | 104.9# |

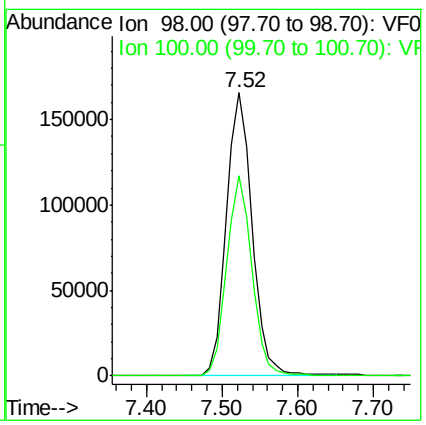


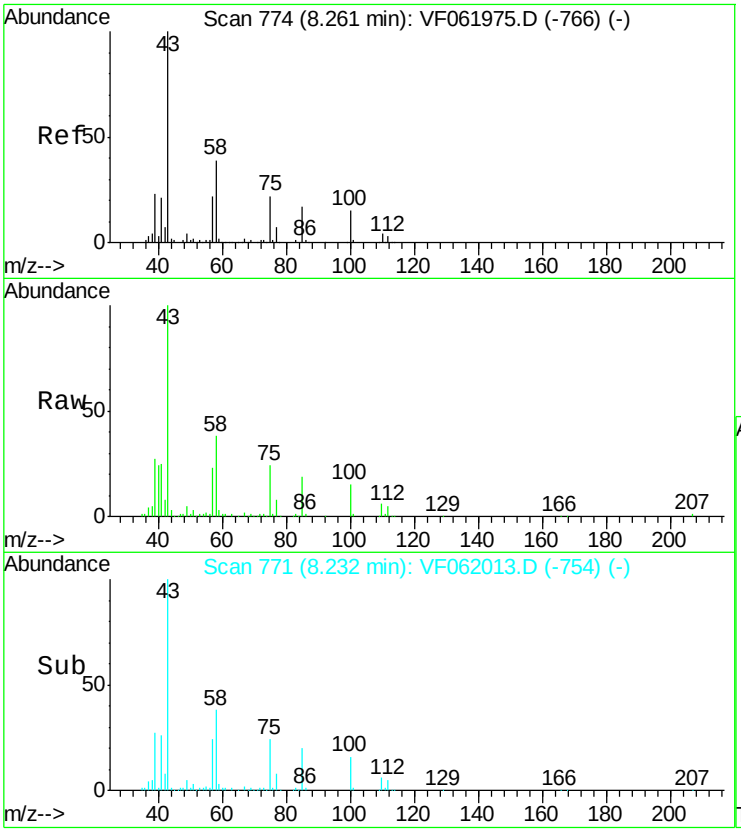




#50
Toluene-d8
Concen: 46.230 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 98 Resp: 390463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.7 | 56.8 | 85.2 |



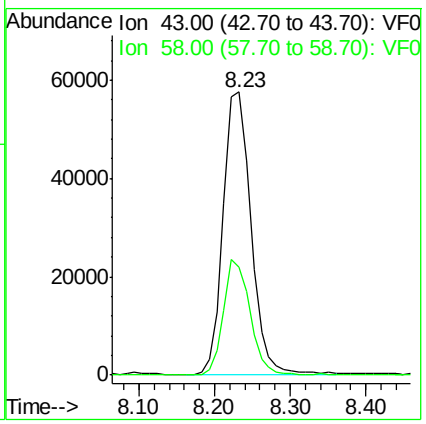


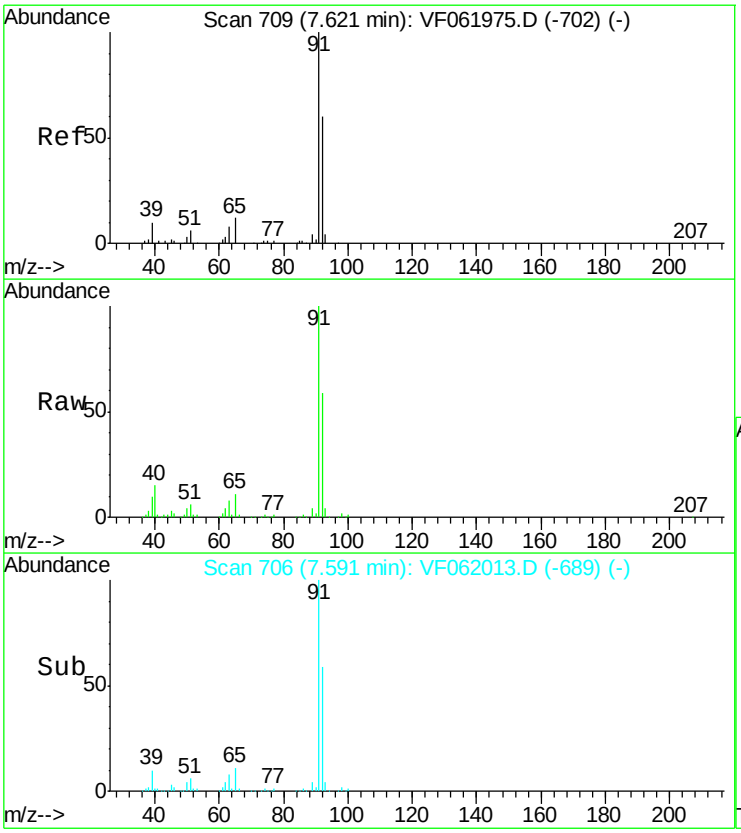

#51
4-Methyl-2-Pentanone
Concen: 101.228 ug/l
RT: 8.23 min Scan# 771
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 148374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 31.1 | 46.7 |

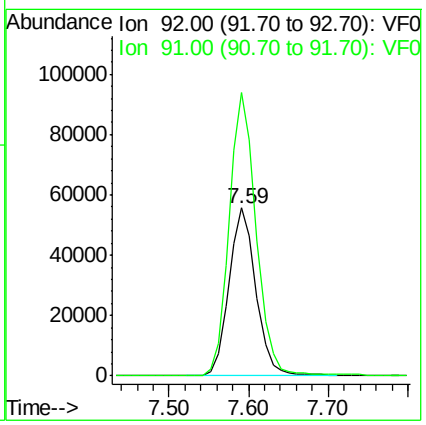


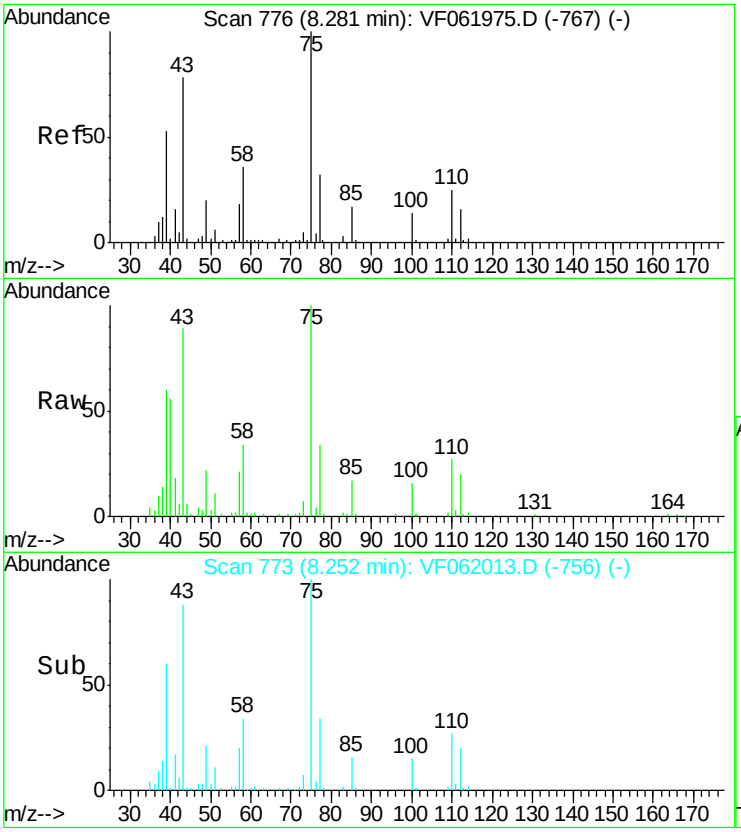




#52
Toluene
Concen: 20.918 ug/l
RT: 7.59 min Scan# 706
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 92 Resp: 131582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.6 | 134.0 | 201.0 |



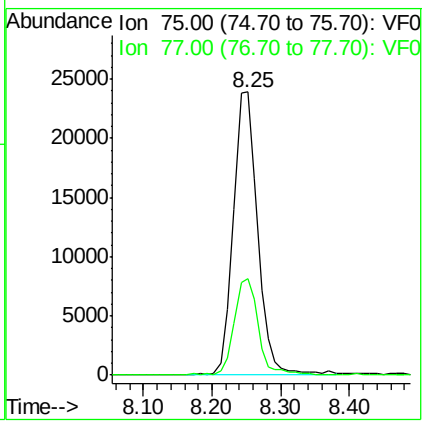


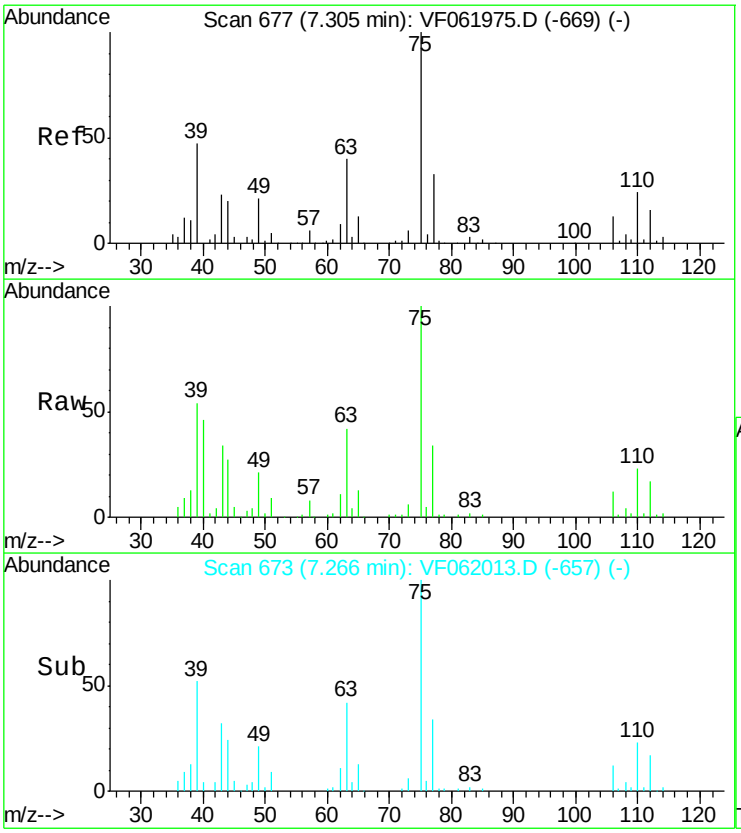

#53
t-1,3-Dichloropropene
Concen: 20.359 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 75 Resp: 58733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 25.5 | 38.3 |

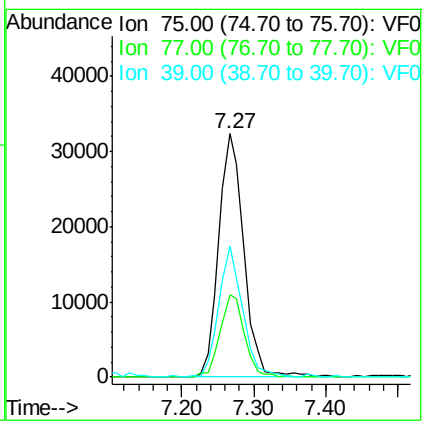


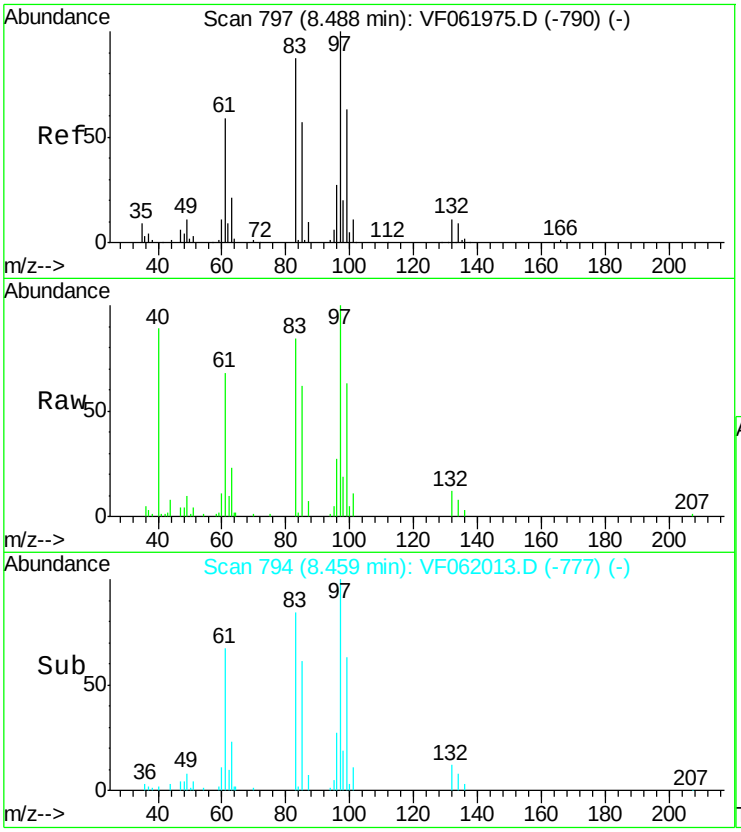




#54
cis-1,3-Dichloropropene
Concen: 20.742 ug/l
RT: 7.27 min Scan# 673
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 75 Resp: 78075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.9 | 26.4 | 39.6 |
| 39 | 53.8 | 38.0 | 57.0 |



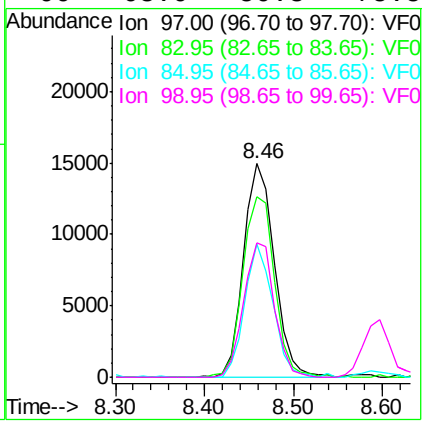


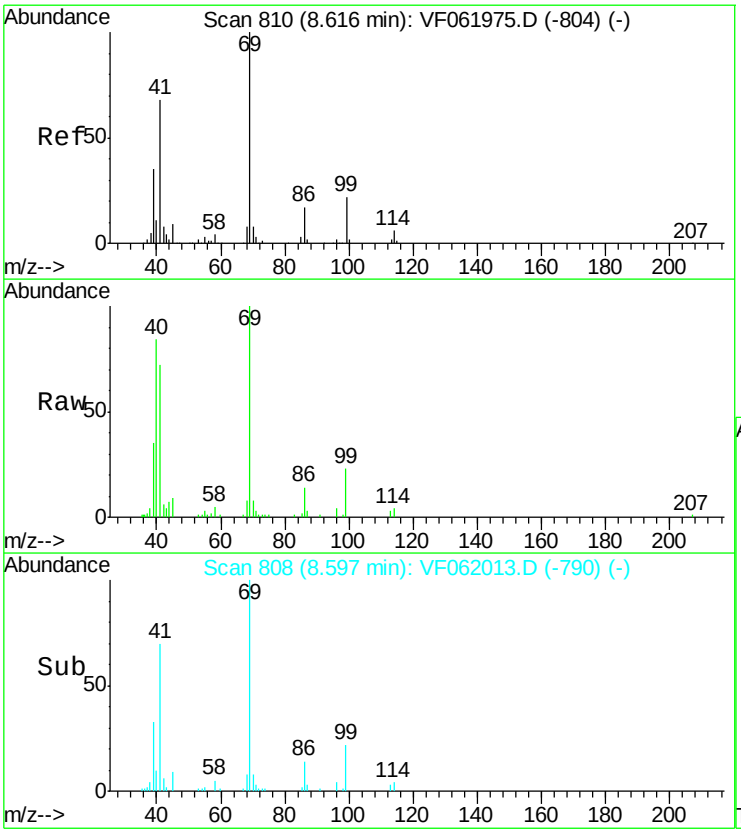

#55
1,1,2-Trichloroethane
Concen: 20.359 ug/l
RT: 8.46 min Scan# 794
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 97 Resp: 35743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.4 | 69.7 | 104.5 |
| 85 | 62.4 | 45.8 | 68.6 |
| 99 | 63.0 | 50.3 | 75.5 |

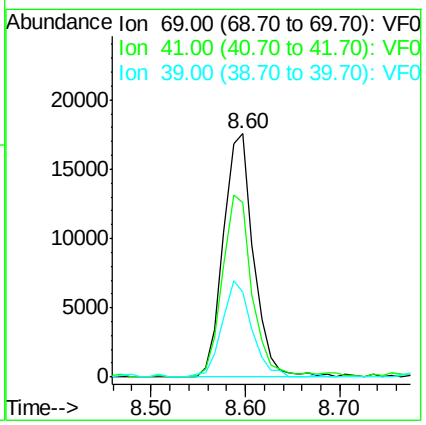


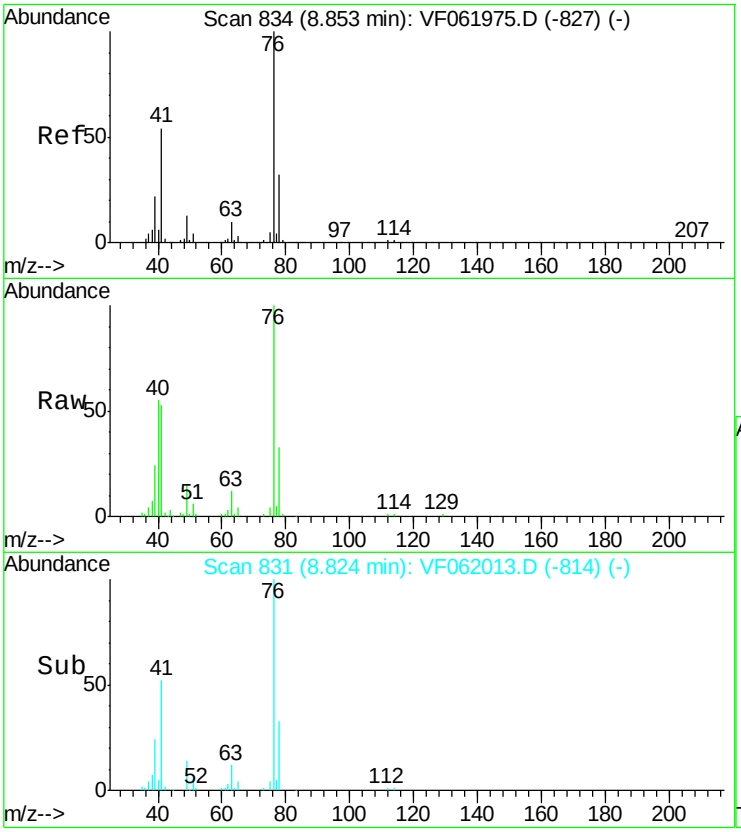




#56
Ethyl methacrylate
Concen: 19.507 ug/l
RT: 8.60 min Scan# 808
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 69 Resp: 38932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.6 | 54.7 | 82.1 |
| 39 | 34.8 | 27.9 | 41.9 |



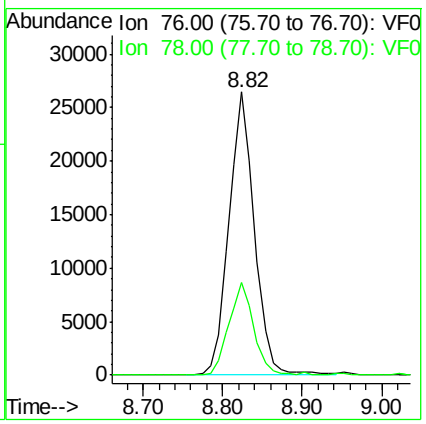


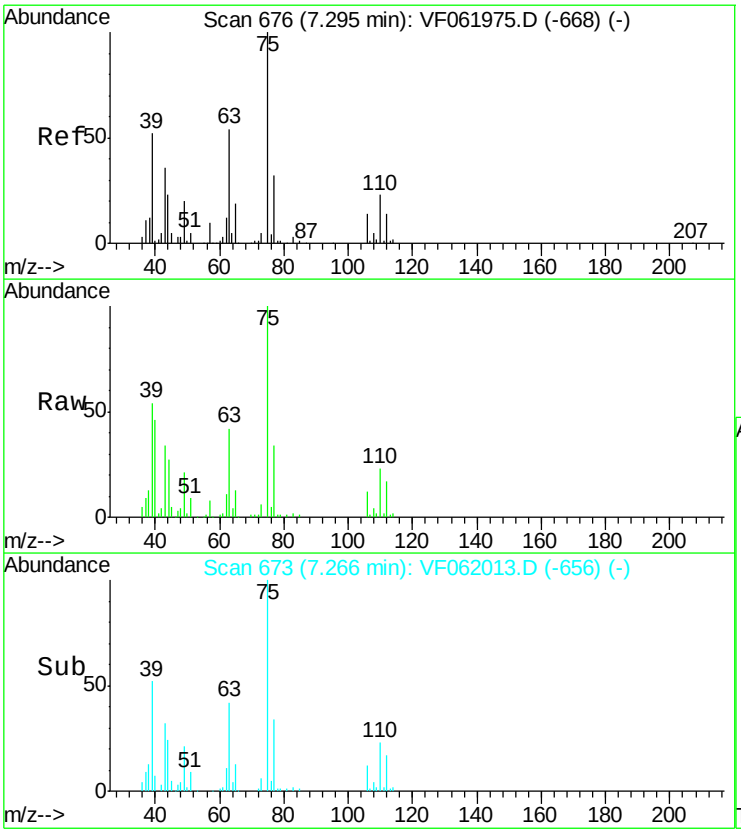

#57
1,3-Dichloropropane
Concen: 20.297 ug/l
RT: 8.82 min Scan# 831
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 76 Resp: 59442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 25.4 | 38.2 |

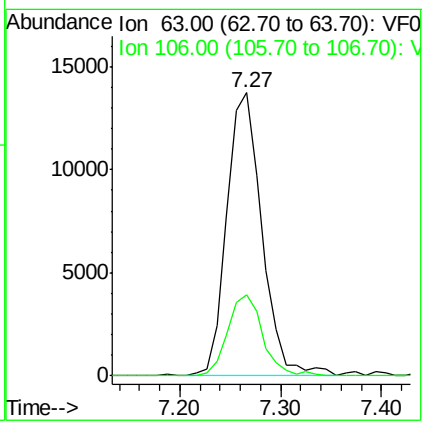


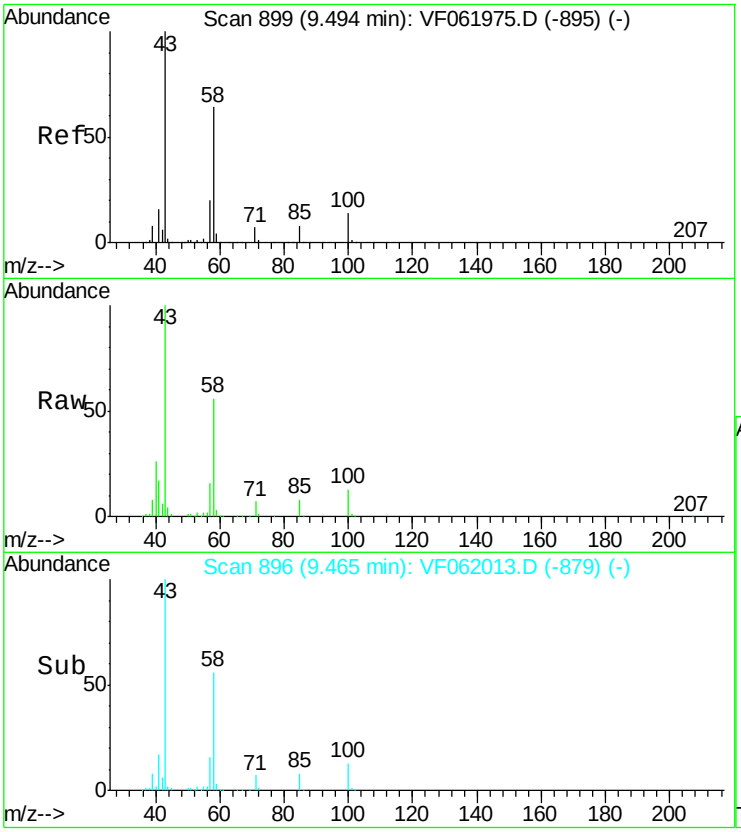




#58
2-Chloroethyl Vinyl ether
Concen: 92.142 ug/l
RT: 7.27 min Scan# 673
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 63 Resp: 33308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.7 | 20.9 | 31.3 |



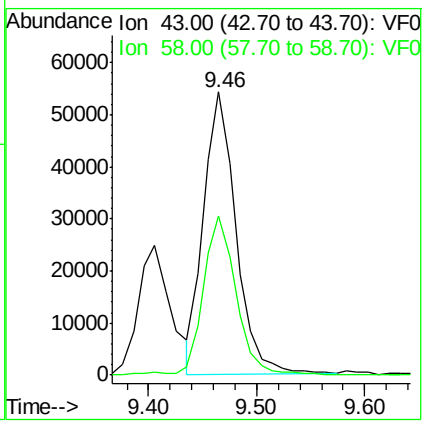


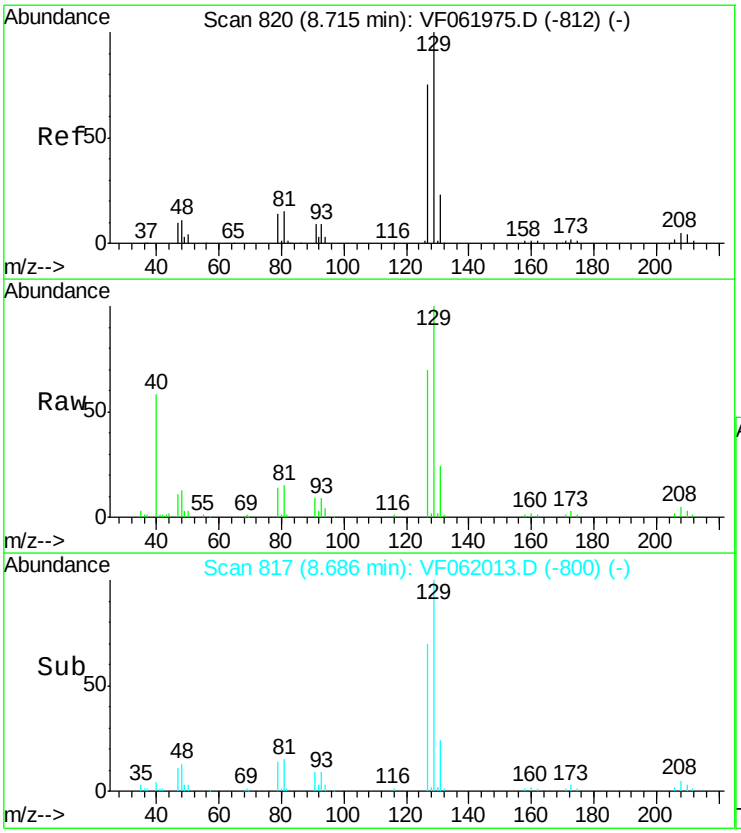

#59
2-Hexanone
Concen: 106.227 ug/l
RT: 9.46 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 43 Resp: 112682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.2 | 28.4 | 85.2 |

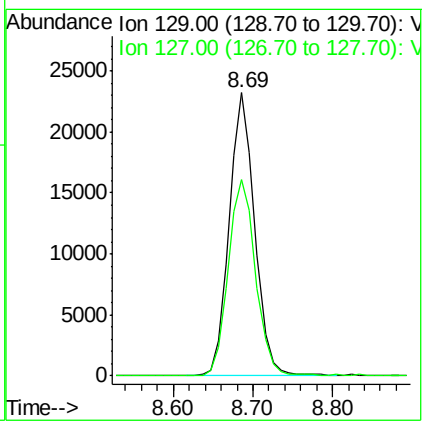


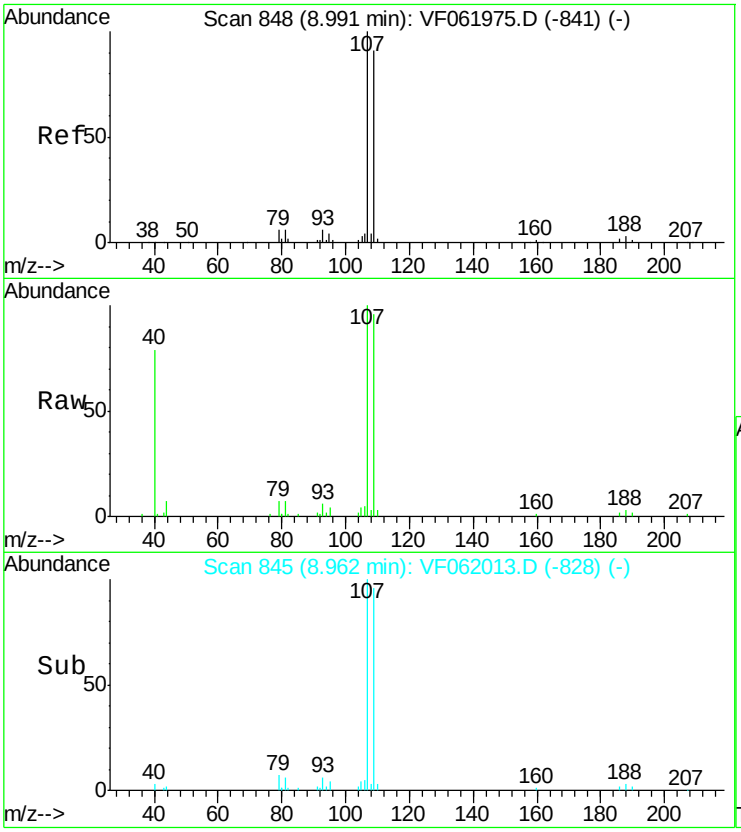




#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:129 Resp: 52071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 69.6 | 37.3 | 111.8 |



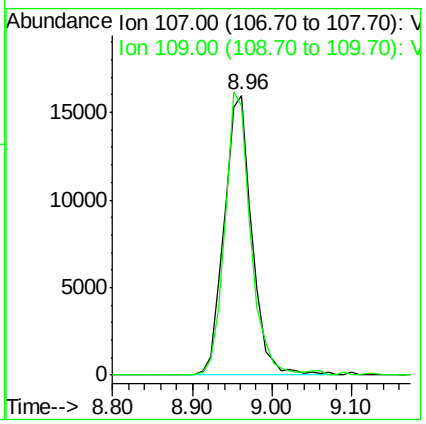


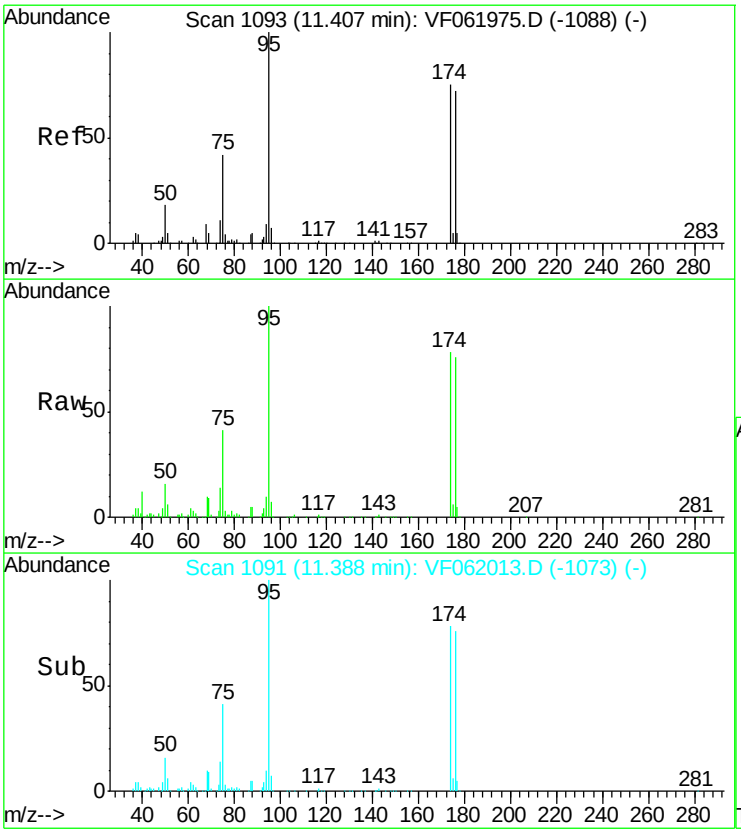

#61
1,2-Dibromoethane
Concen: 20.708 ug/l
RT: 8.96 min Scan# 845
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:107 Resp: 38997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 72.8 | 109.2 |

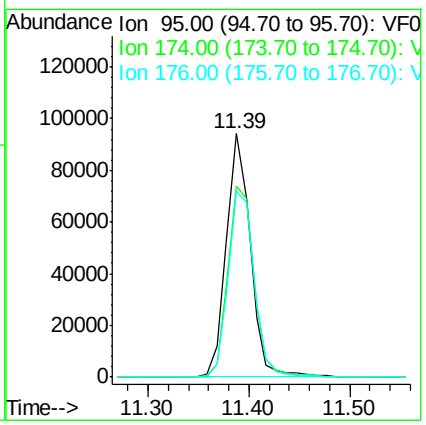


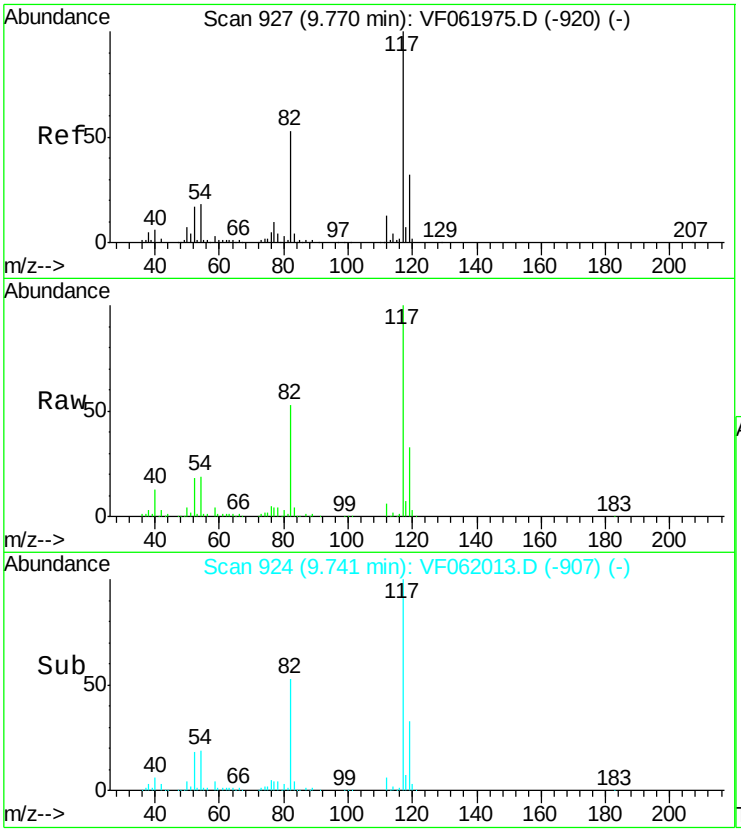




#62
4-Bromofluorobenzene
Concen: 46.762 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 95 Resp: 156899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.3 | 0.0 | 149.4 |
| 176 | 76.2 | 0.0 | 143.4 |



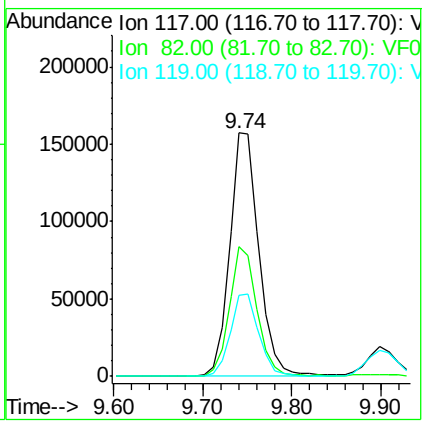


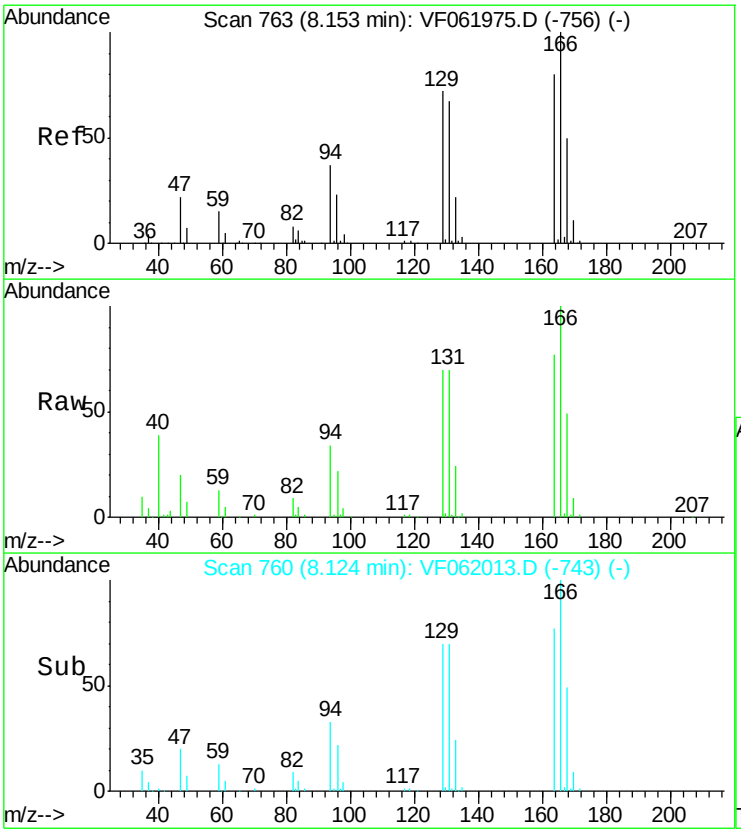

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:117 Resp: 360757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 42.5 | 63.7 |
| 119 | 33.1 | 25.4 | 38.0 |

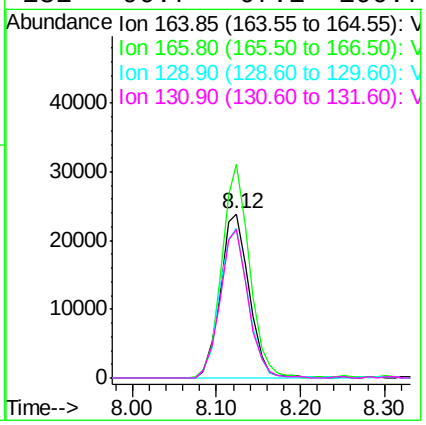


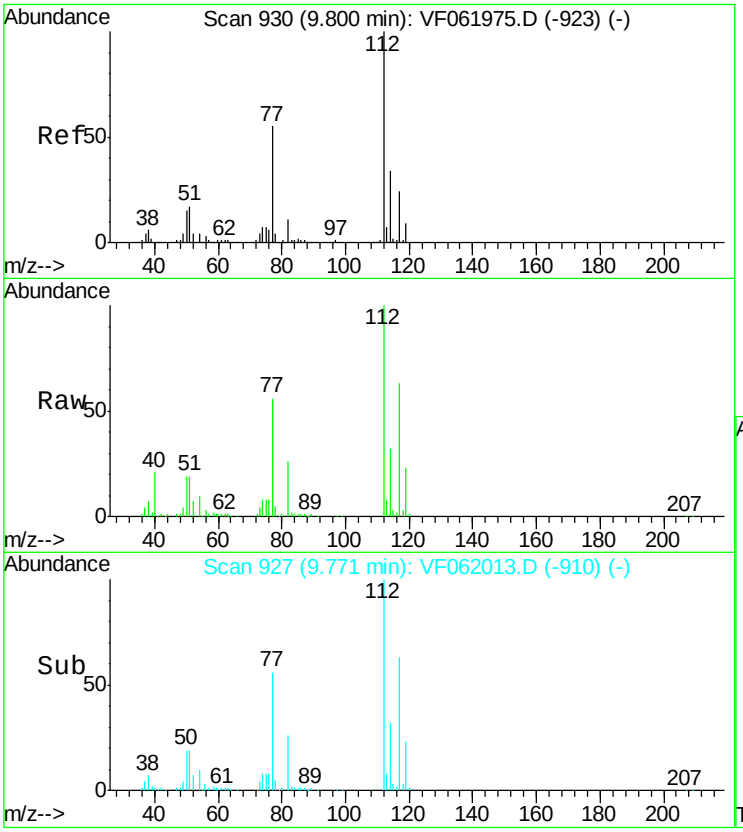




#64
Tetrachloroethene
Concen: 21.556 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:164 Resp: 56526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.2 | 100.0 | 150.0 |
| 129 | 90.9 | 72.4 | 108.6 |
| 131 | 90.7 | 67.1 | 100.7 |



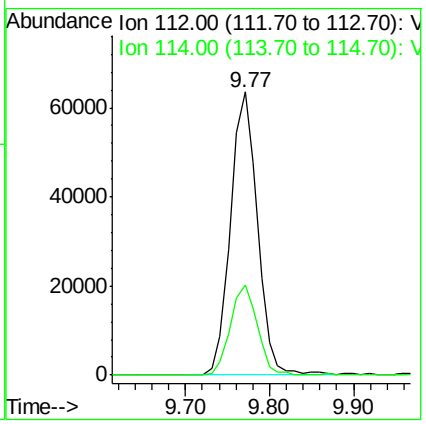


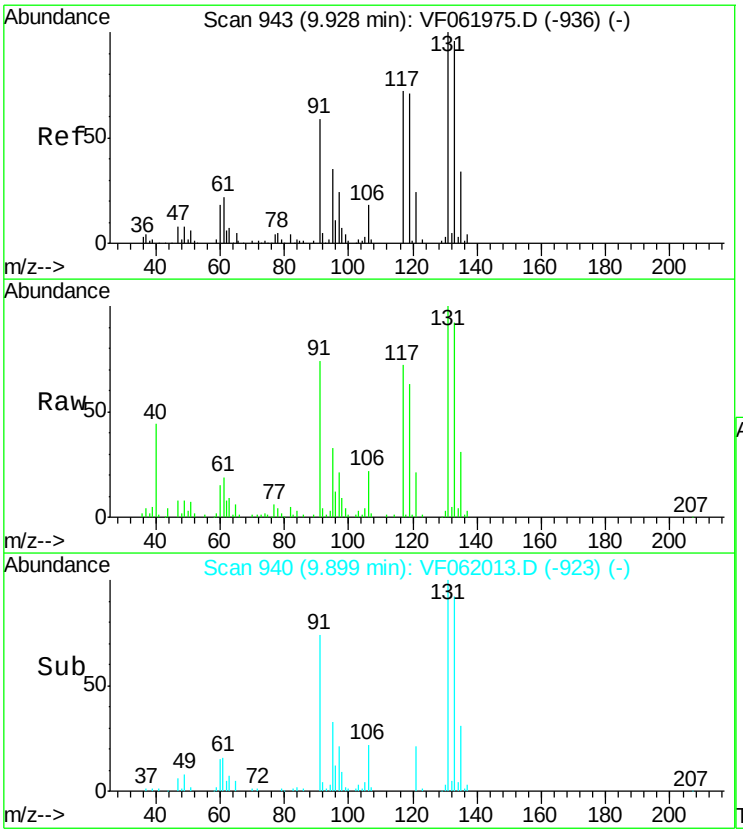

#65
Chlorobenzene
Concen: 21.125 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:112 Resp: 141888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 26.9 | 40.3 |

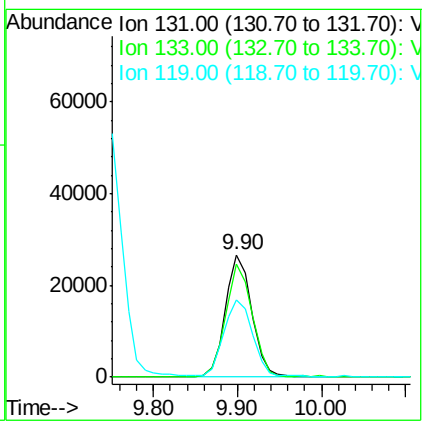


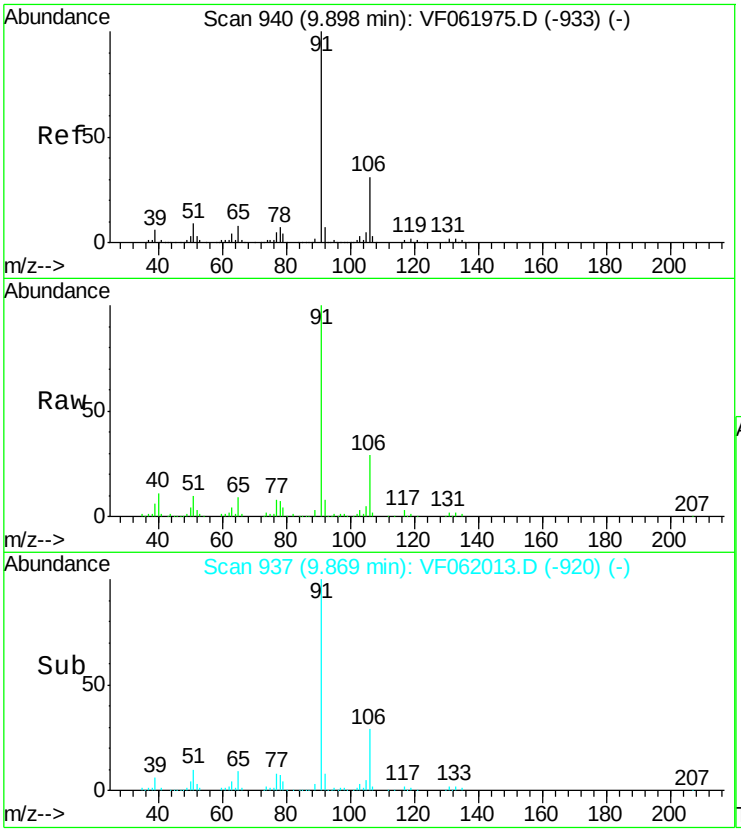




#66
1,1,1,2-Tetrachloroethane
Concen: 22.434 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:131 Resp: 58407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.1 | 48.0 | 144.2 |
| 119 | 63.3 | 35.9 | 107.7 |



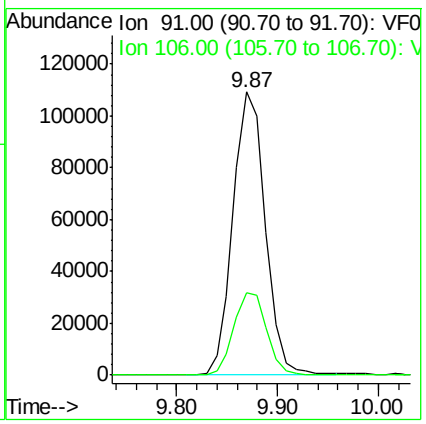


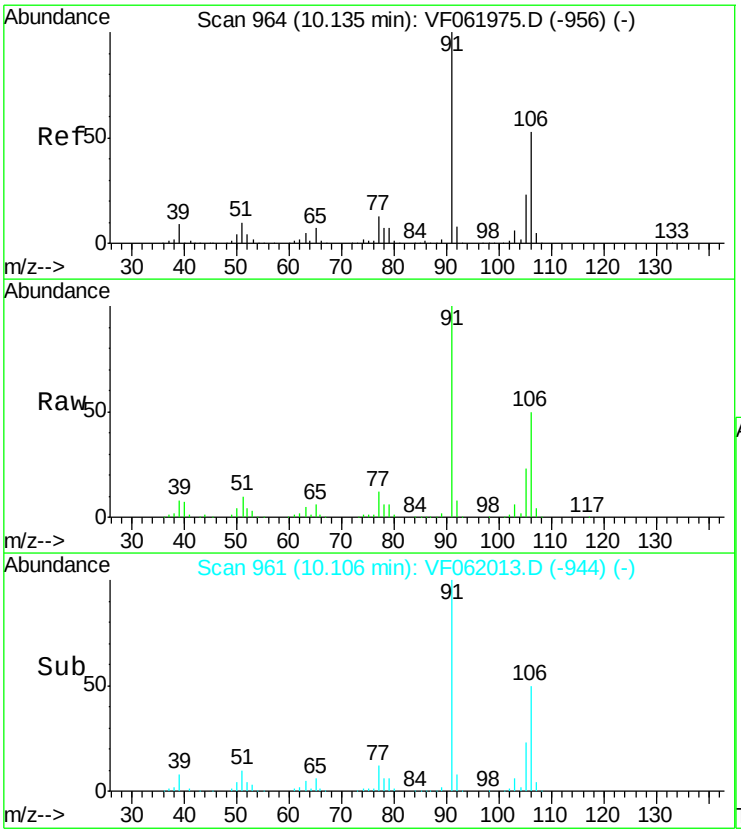

#67
Ethyl Benzene
Concen: 21.273 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 91 Resp: 244644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 24.4 | 36.6 |

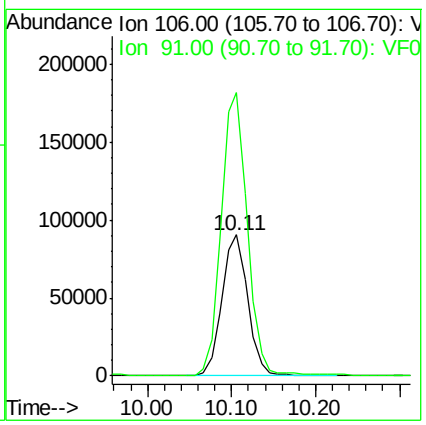


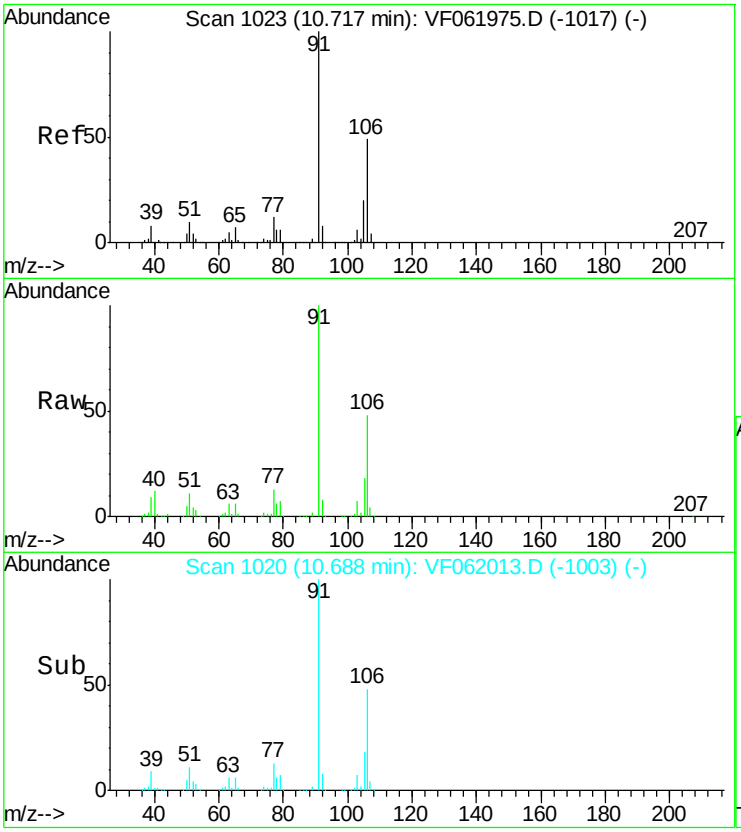




#68
m/p-Xylenes
Concen: 44.596 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:106 Resp: 192895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.8 | 151.9 | 227.9 |



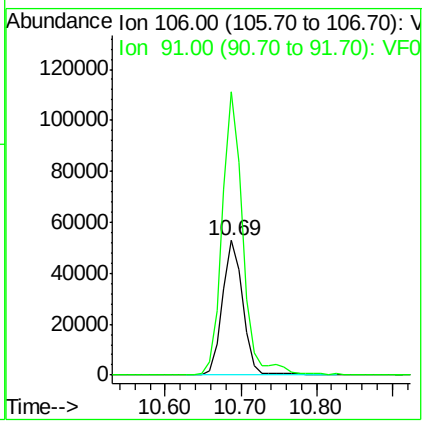


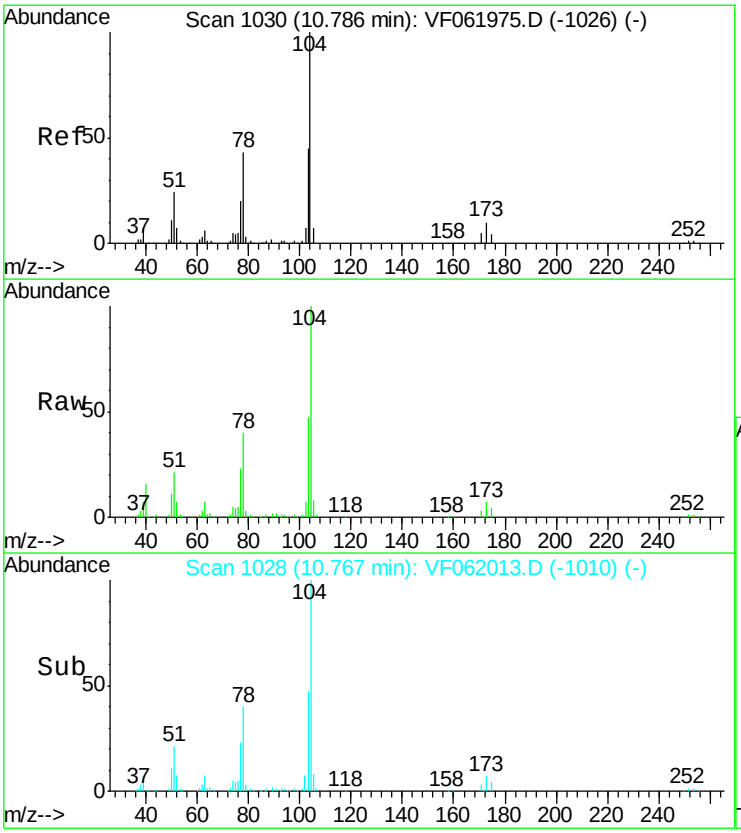

#69
o-Xylene
Concen: 21.403 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:106 Resp: 99058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.2 | 102.3 | 306.8 |

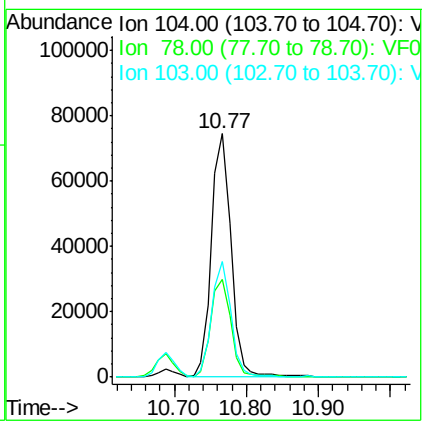


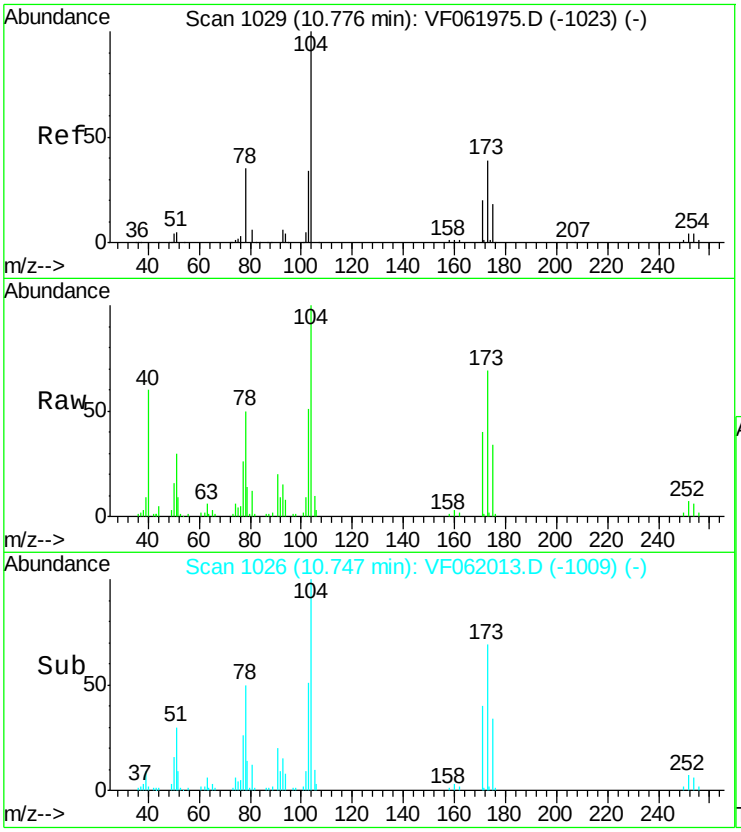




#70
Styrene
Concen: 21.761 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:104 Resp: 139533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 40.1 | 34.7 | 52.1 |
| 103 | 47.4 | 36.6 | 54.8 |



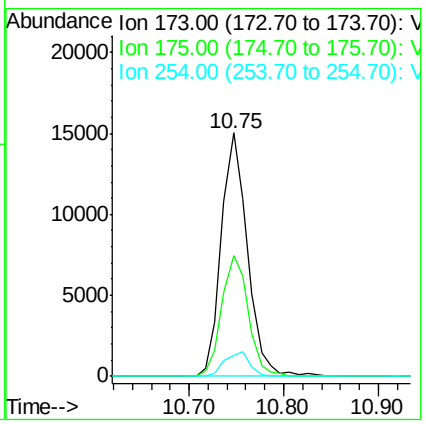


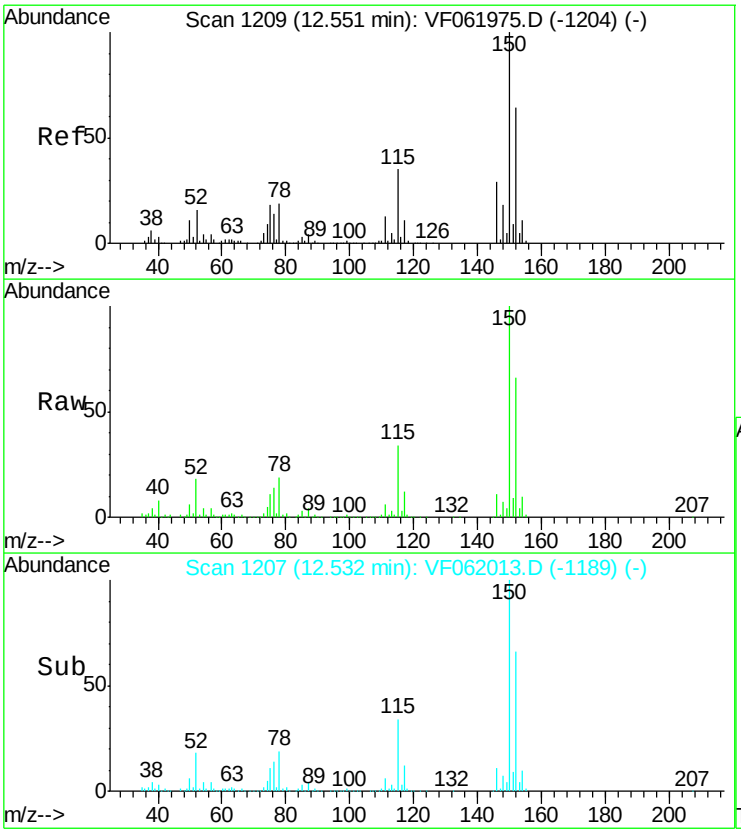

#71
Bromoform
Concen: 21.839 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:173 Resp: 28760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 23.7 | 71.1 |
| 254 | 8.5 | 7.8 | 11.8 |

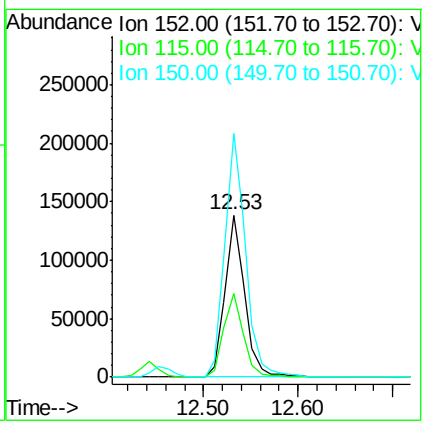


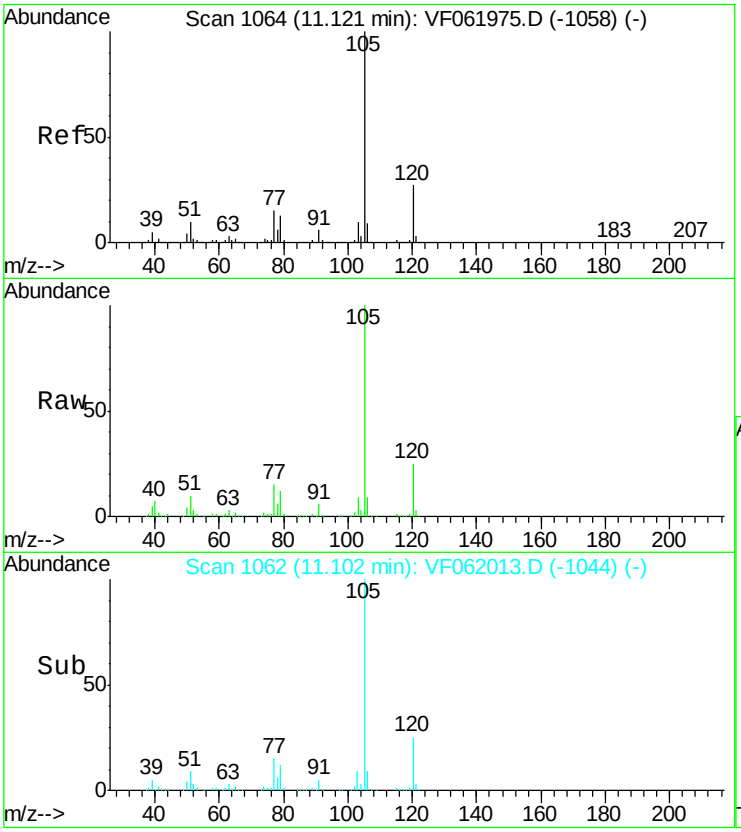




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:152 Resp: 197943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 51.3 | 27.3 | 81.9 |
| 150 | 150.4 | 0.0 | 316.2 |



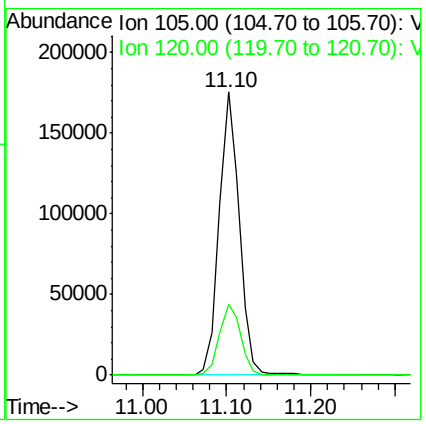


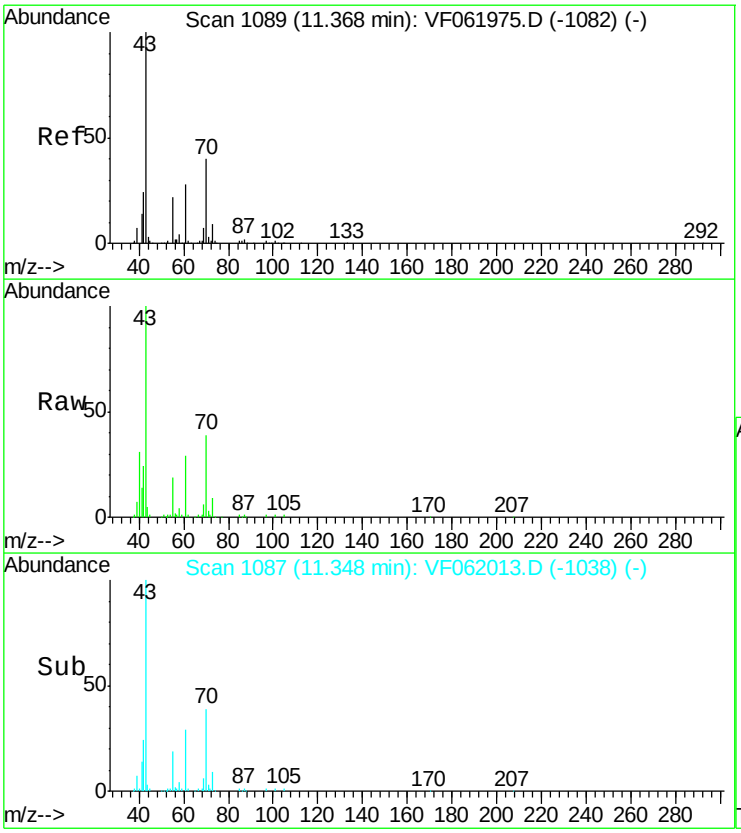

#73
Isopropylbenzene
Concen: 21.433 ug/l
RT: 11.10 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:105 Resp: 293104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 13.8 | 41.3 |

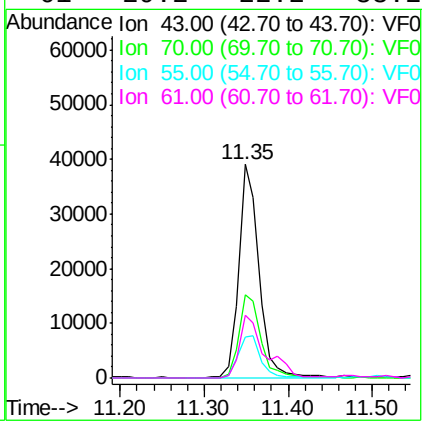


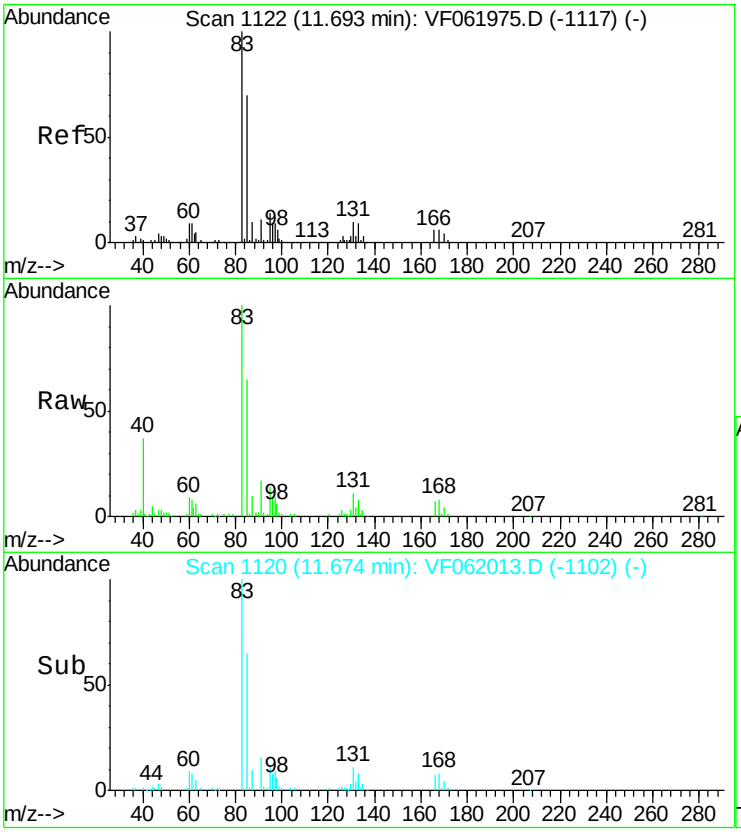




#74
N-amyl acetate
Concen: 20.868 ug/l
RT: 11.35 min Scan# 1087
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 43 Resp: 65388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.9 | 31.9 | 47.9 |
| 55 | 19.1 | 17.9 | 26.9 |
| 61 | 29.2 | 22.2 | 33.2 |



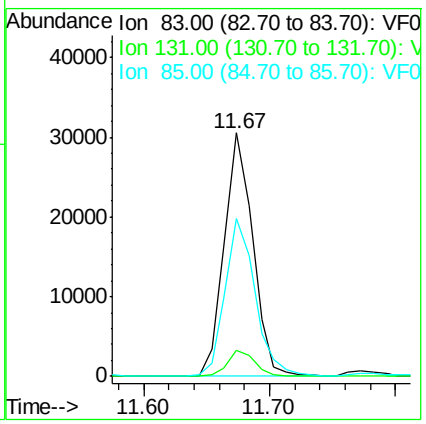


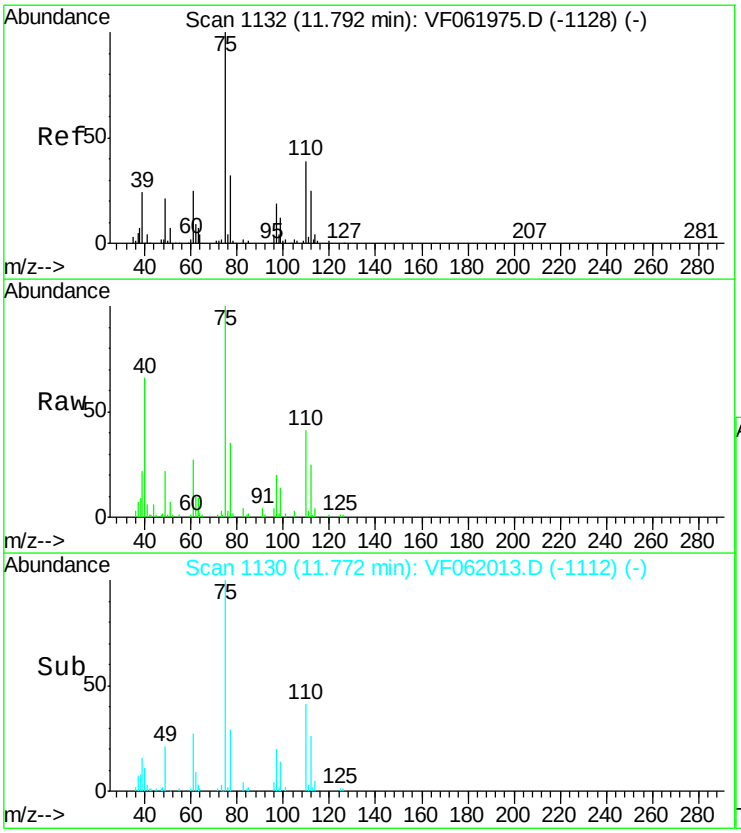

#75
1,1,2,2-Tetrachloroethane
Concen: 21.193 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 83 Resp: 47838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 4.9 | 14.7 |
| 85 | 65.1 | 35.3 | 105.9 |

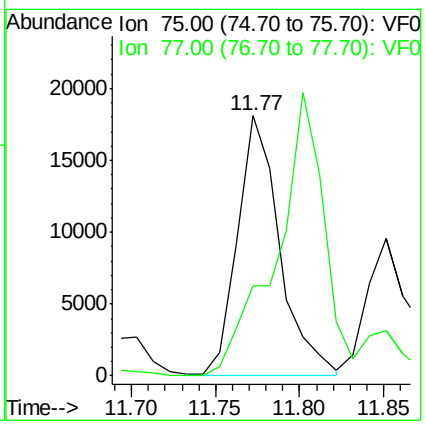


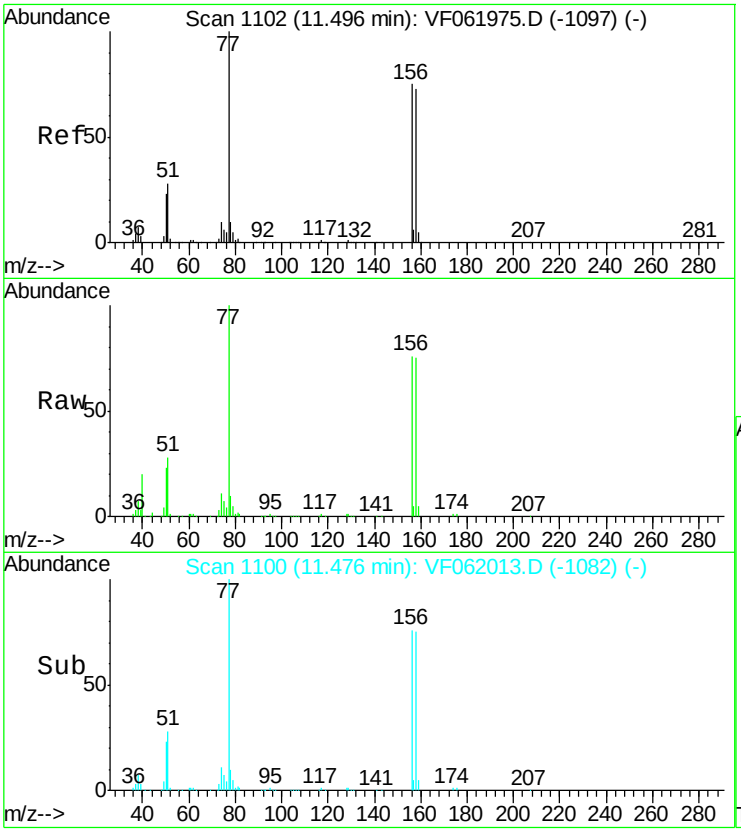




#76
1,2,3-Trichloropropane
Concen: 19.901 ug/l
RT: 11.77 min Scan# 1130
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 75 Resp: 31411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.8 | 16.4 | 49.2 |



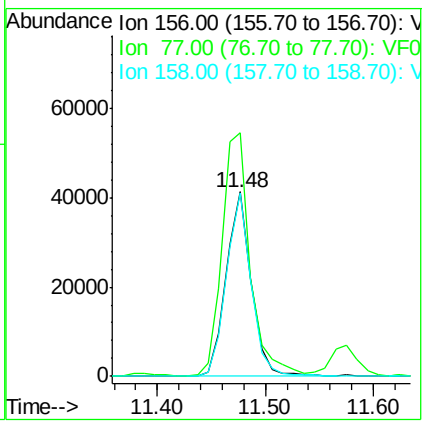


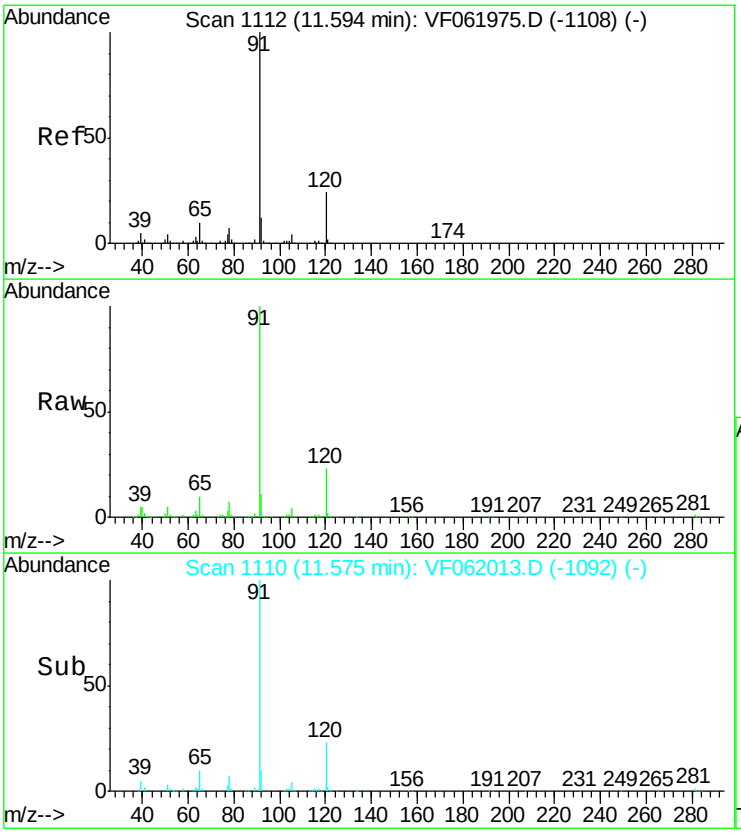

#77
Bromobenzene
Concen: 21.144 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:156 Resp: 66962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 132.0 | 67.0 | 201.0 |
| 158 | 99.2 | 48.9 | 146.7 |

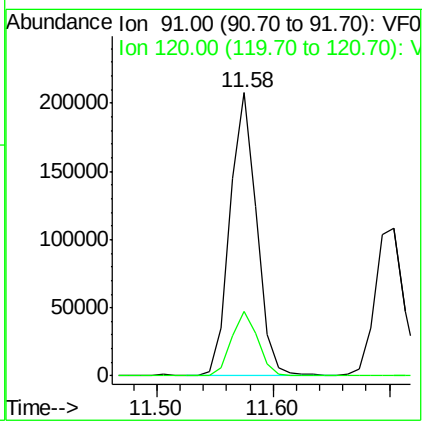


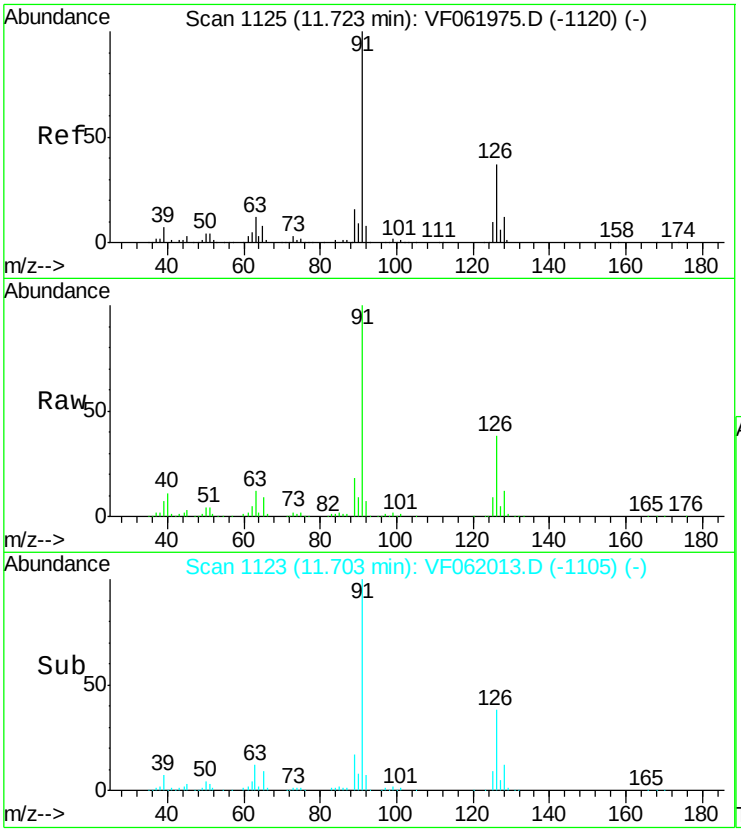




#78
n-propylbenzene
Concen: 20.908 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 91 Resp: 328766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.8 | 35.3 |



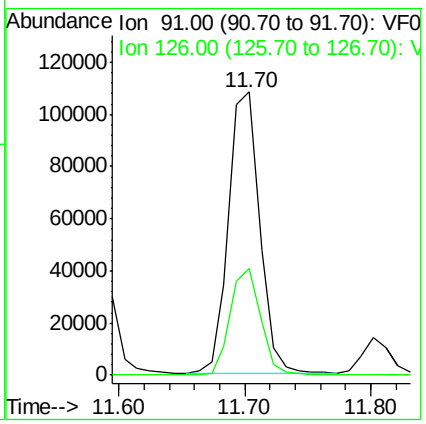


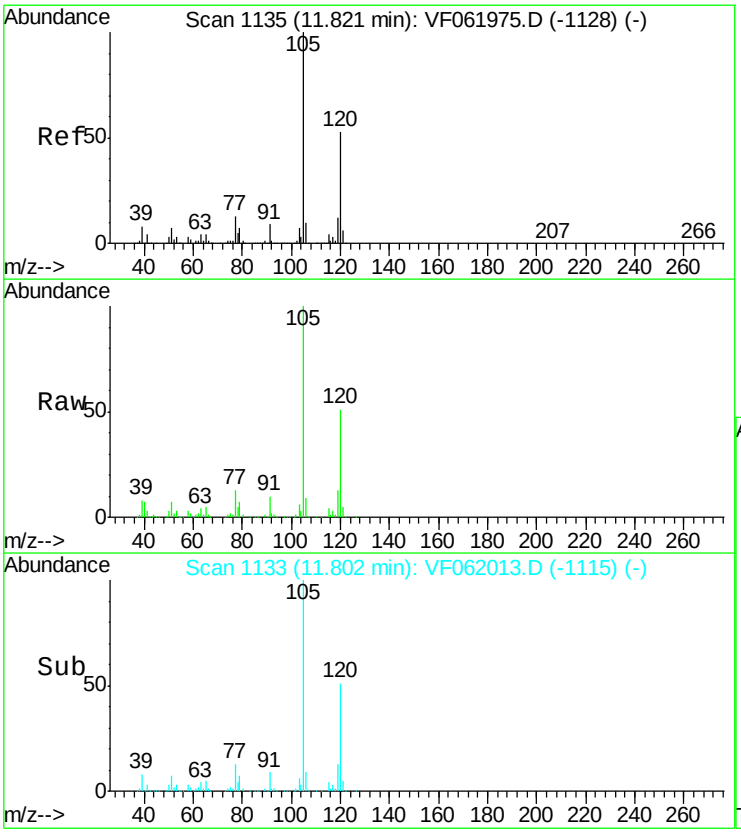

#79
2-Chlorotoluene
Concen: 20.827 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 91 Resp: 184850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 37.6 | 18.4 | 55.2 |

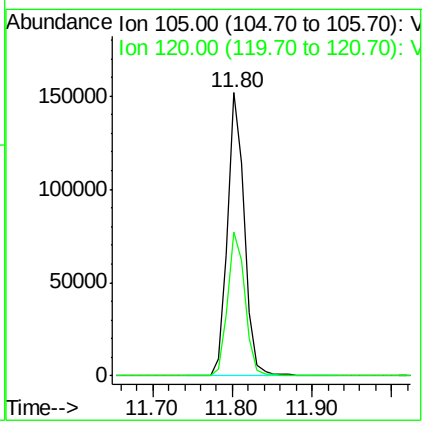


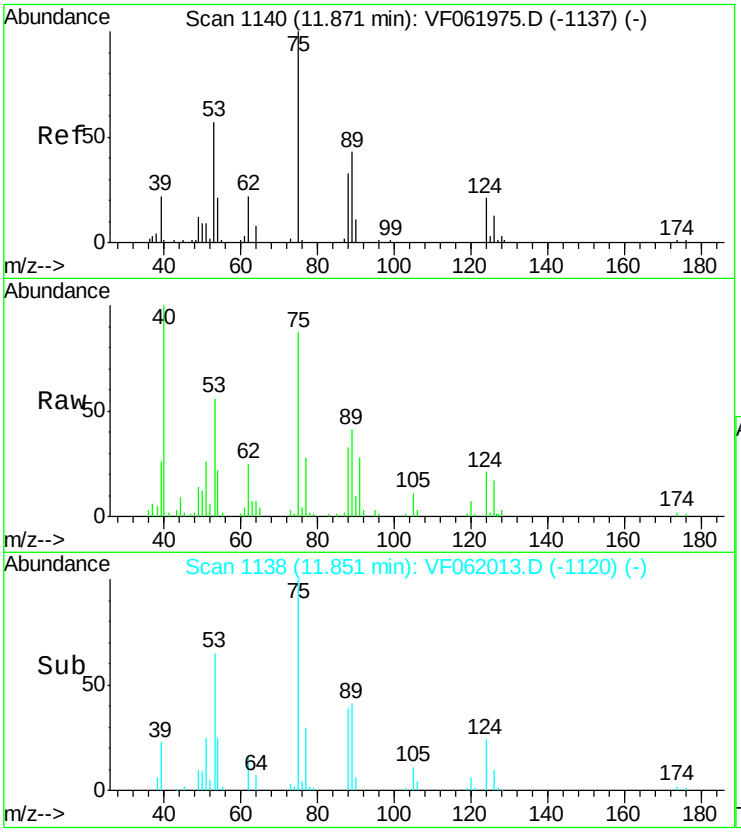




#80
1,3,5-Trimethylbenzene
Concen: 20.748 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:105 Resp: 229196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.0 | 26.6 | 79.7 |



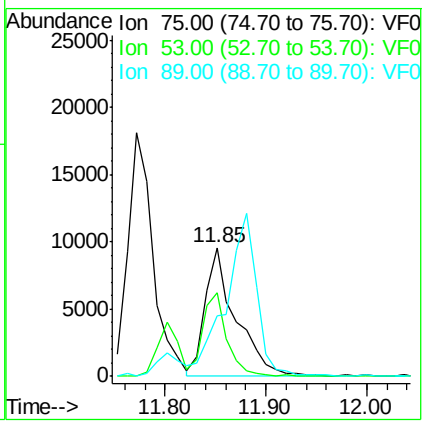


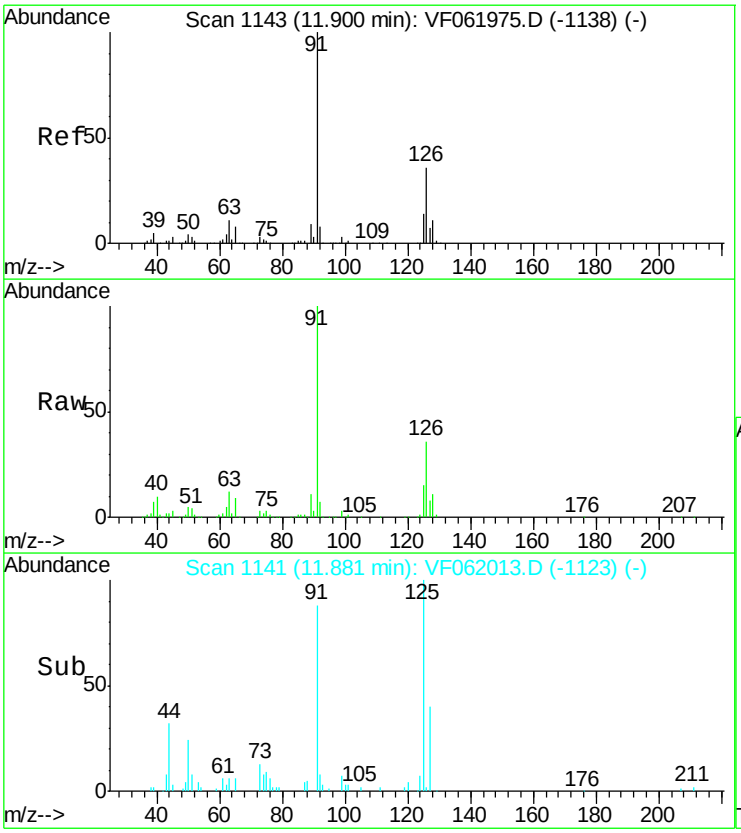

#81
trans-1,4-Dichloro-2-butene
Concen: 29.158 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 75 Resp: 20360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 64.4 | 49.0 | 73.6 |
| 89 | 47.3 | 37.1 | 55.7 |

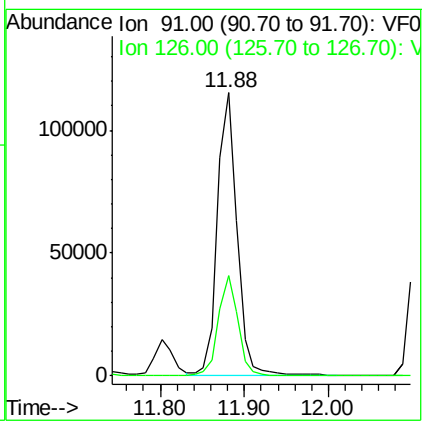


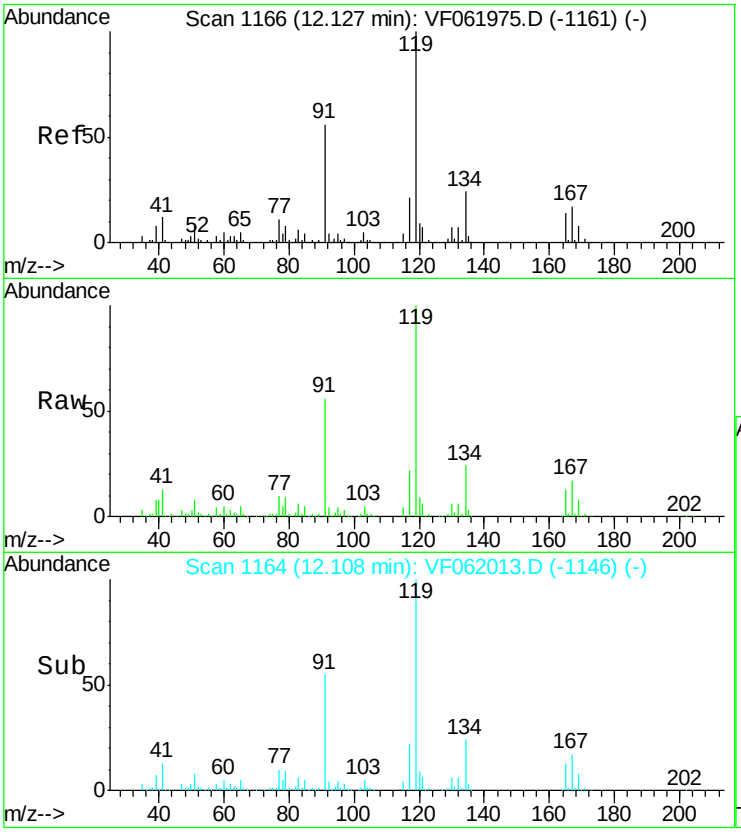




#82
4-Chlorotoluene
Concen: 20.654 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 91 Resp: 185381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.6 | 18.1 | 54.1 |



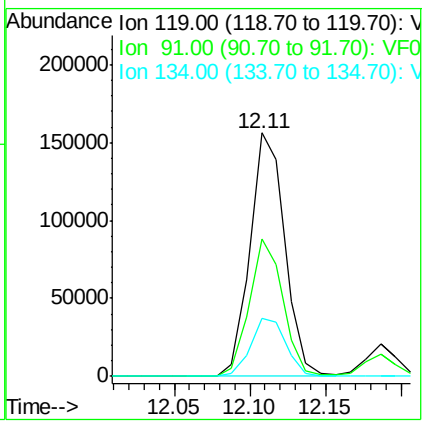


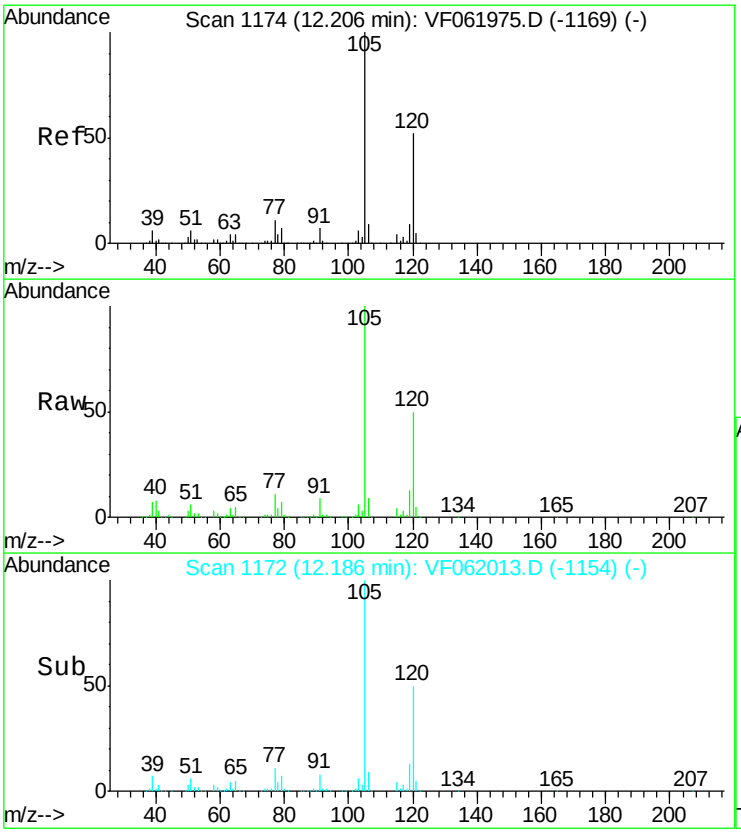

#83
tert-Butylbenzene
Concen: 21.808 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:119 Resp: 251941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.4 | 27.9 | 83.6 |
| 134 | 23.6 | 12.3 | 36.8 |

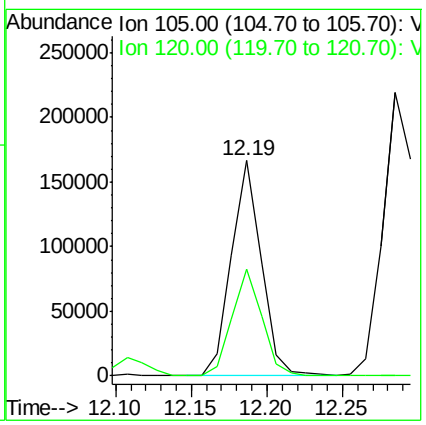


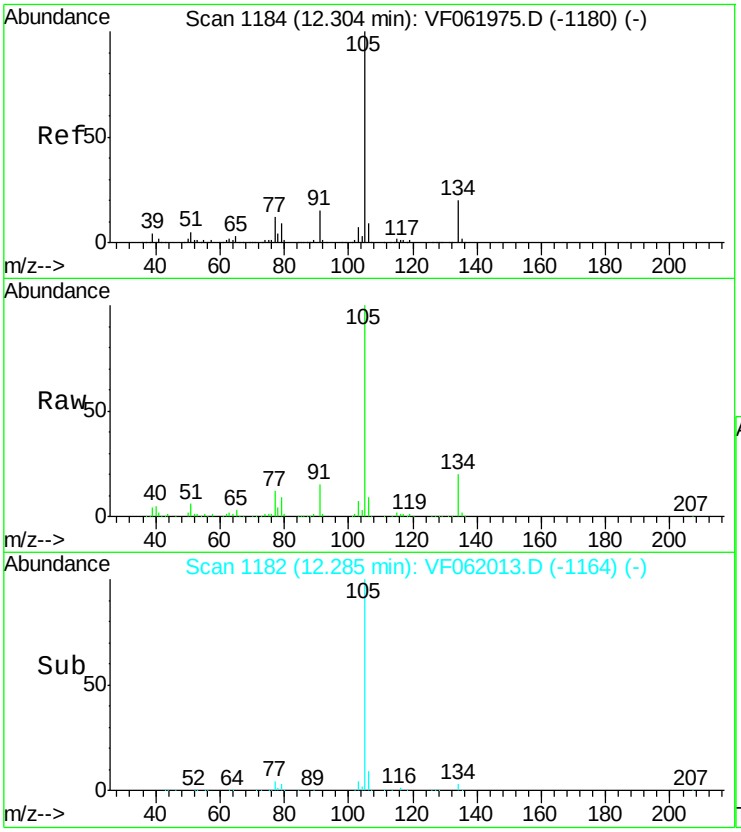




#84
1,2,4-Trimethylbenzene
Concen: 20.666 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:105 Resp: 228660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.5 | 25.9 | 77.8 |



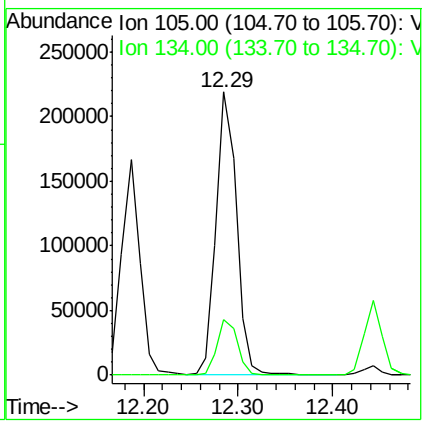


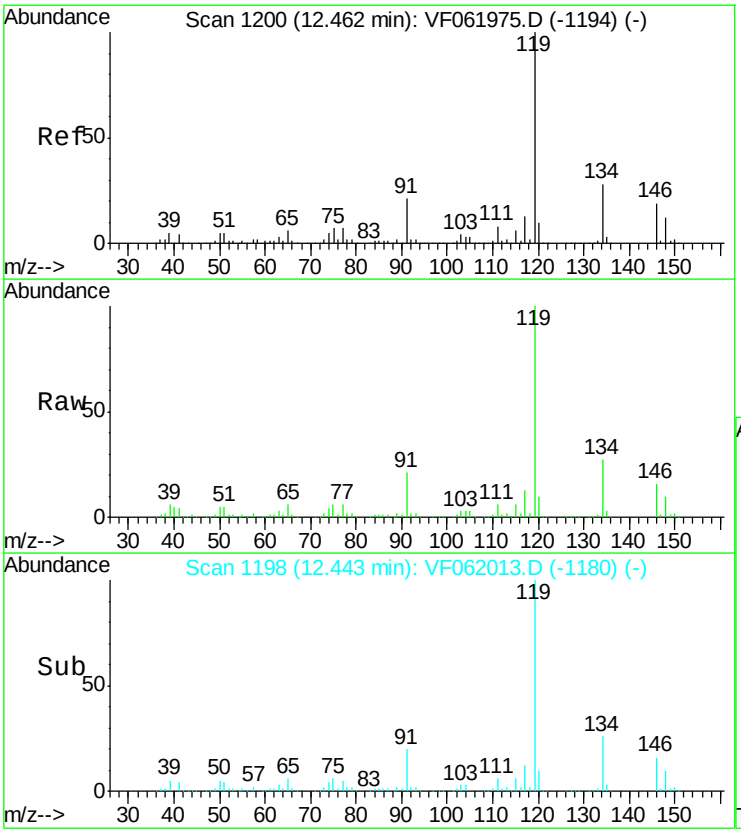

#85
sec-Butylbenzene
Concen: 21.134 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:105 Resp: 329877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 10.0 | 29.8 |

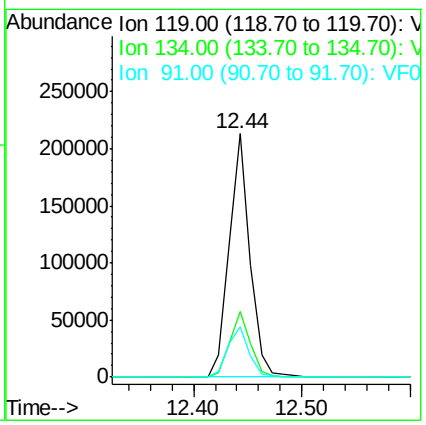


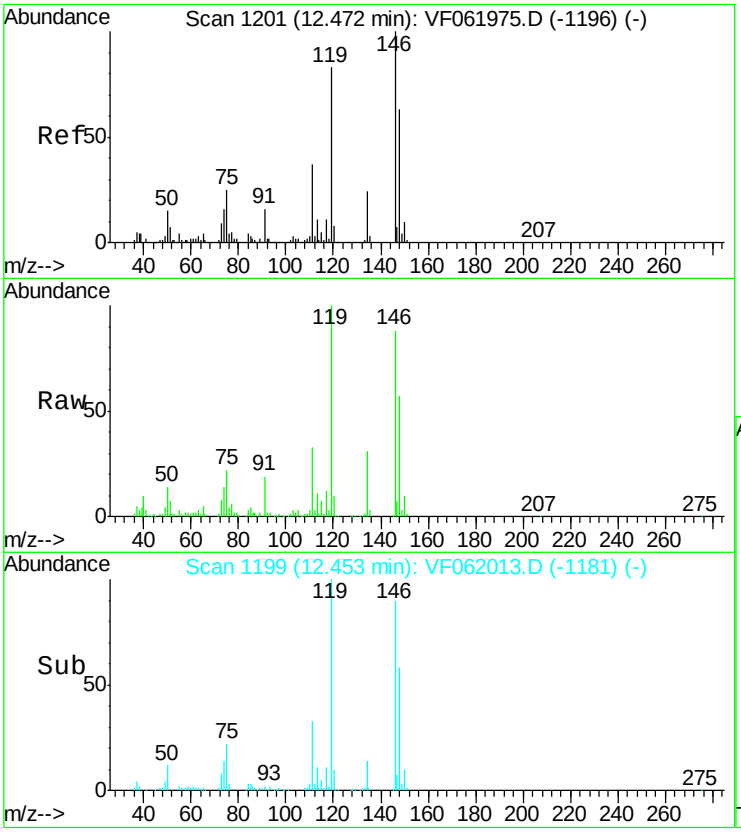




#86
p-Isopropyltoluene
Concen: 21.831 ug/l
RT: 12.44 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:119 Resp: 284334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.9 | 13.9 | 41.7 |
| 91 | 20.7 | 10.4 | 31.1 |



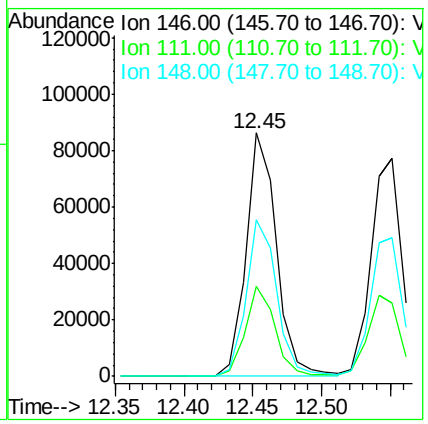


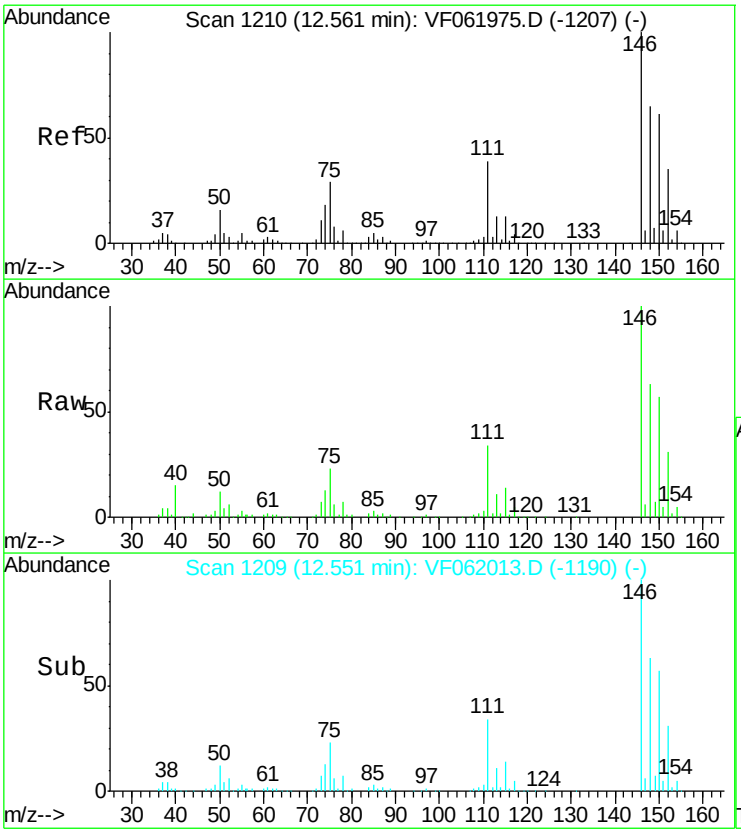

#87
1,3-Dichlorobenzene
Concen: 21.394 ug/l
RT: 12.45 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:146 Resp: 133164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.8 | 18.6 | 55.8 |
| 148 | 64.2 | 31.3 | 93.9 |

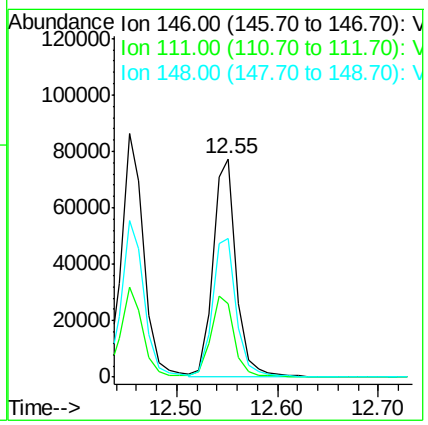


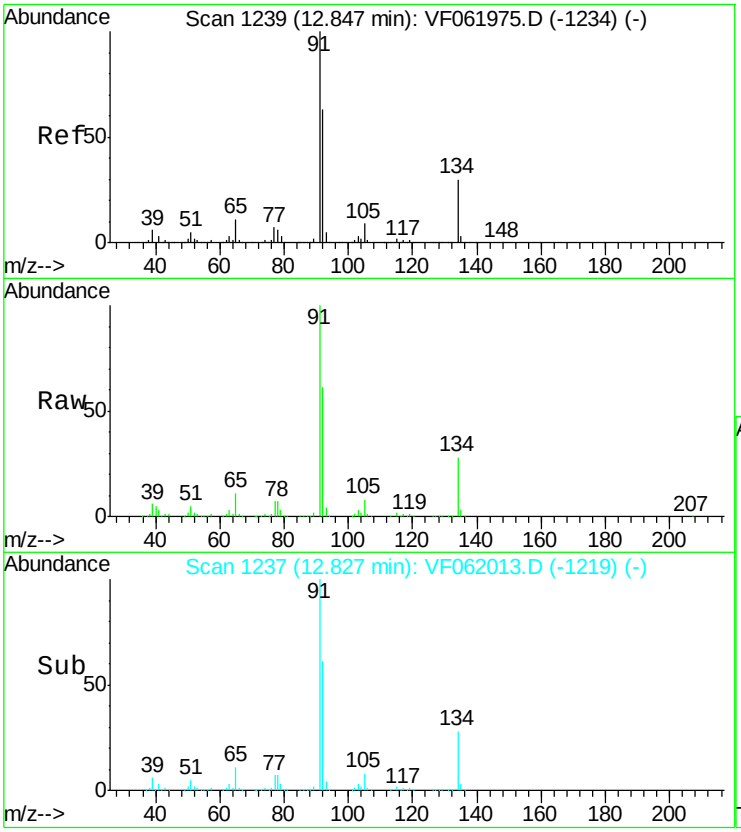




#88
1,4-Dichlorobenzene
Concen: 20.912 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:146 Resp: 125282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 33.7 | 19.4 | 58.1 |
| 148 | 63.5 | 32.4 | 97.0 |



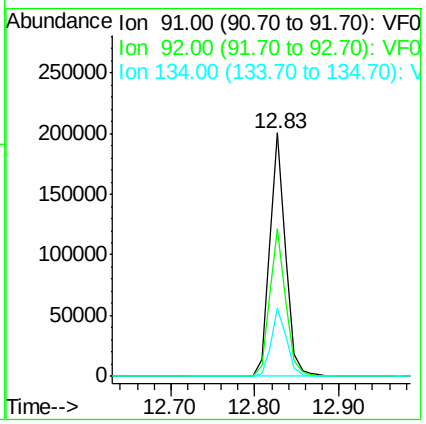


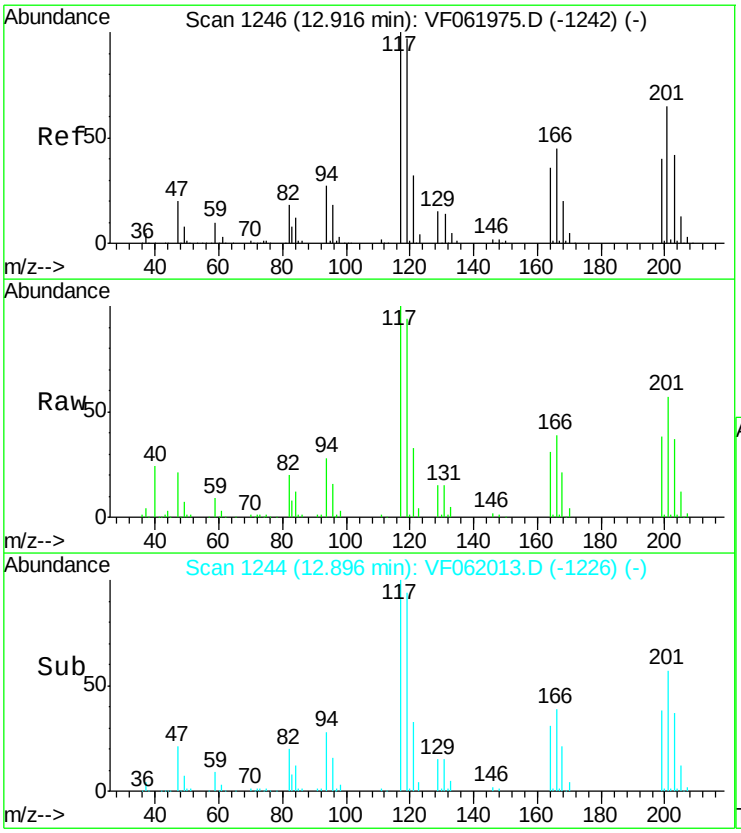

#89
n-Butylbenzene
Concen: 21.626 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion: 91 Resp: 264670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.6 | 31.7 | 95.1 |
| 134 | 27.9 | 15.1 | 45.3 |

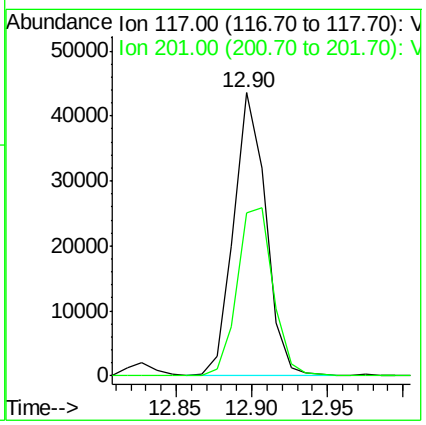


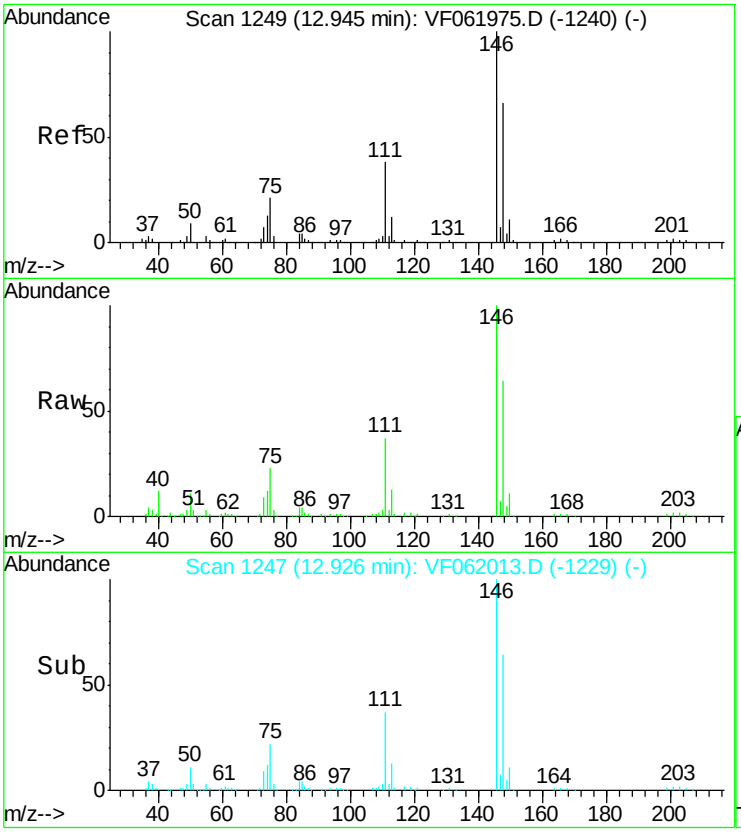




#90
Hexachloroethane
Concen: 21.680 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:117 Resp: 64440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 57.5 | 32.5 | 97.5 |



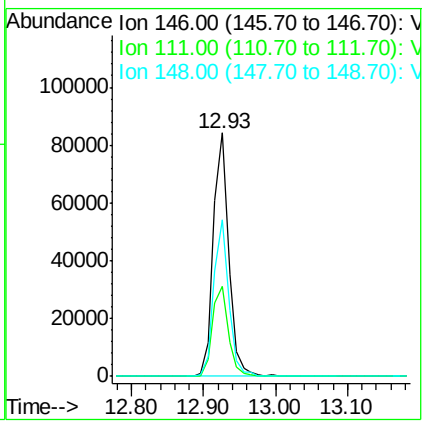


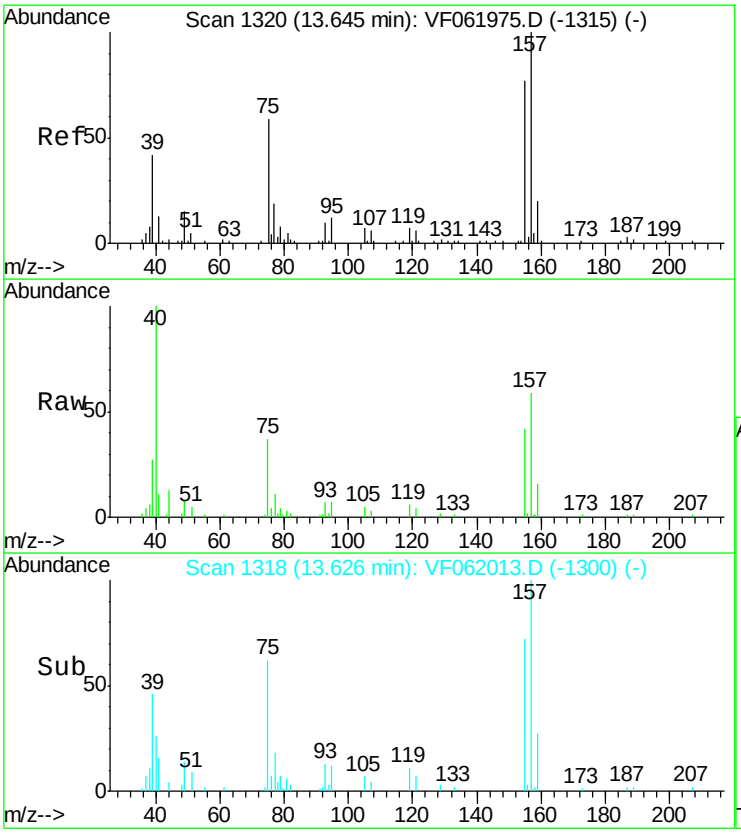

#91
1,2-Dichlorobenzene
Concen: 21.389 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:146 Resp: 123305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.0 | 18.9 | 56.5 |
| 148 | 64.2 | 32.9 | 98.6 |

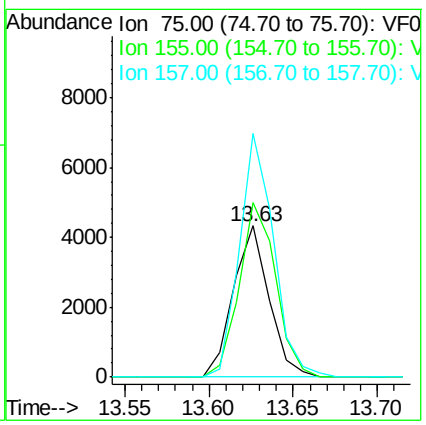


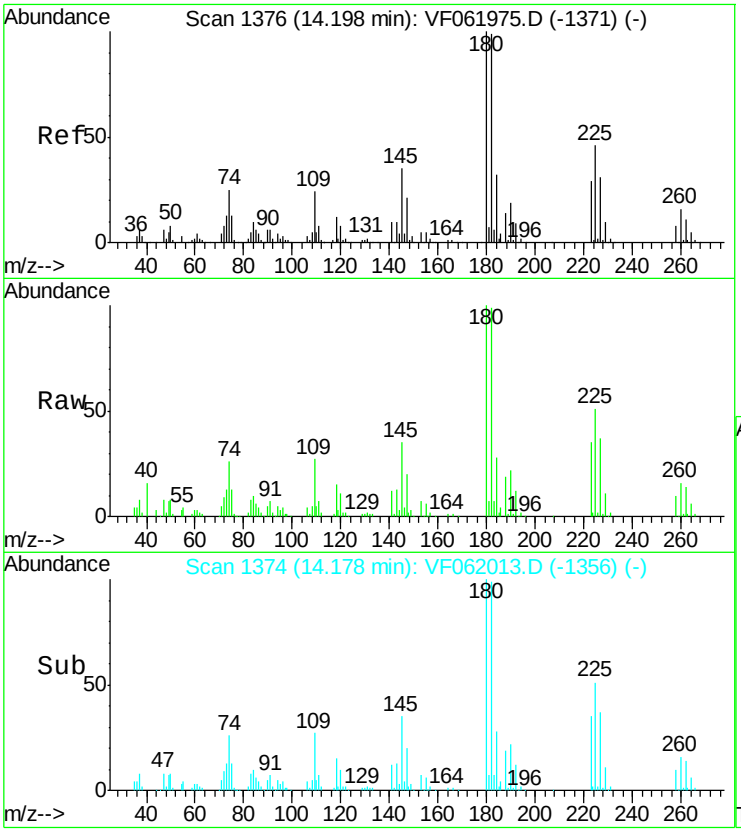




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.567 ug/l
RT: 13.63 min Scan# 1318
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 75 Resp: 6363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 115.6 | 65.0 | 195.1 |
| 157 | 160.9 | 84.7 | 254.0 |



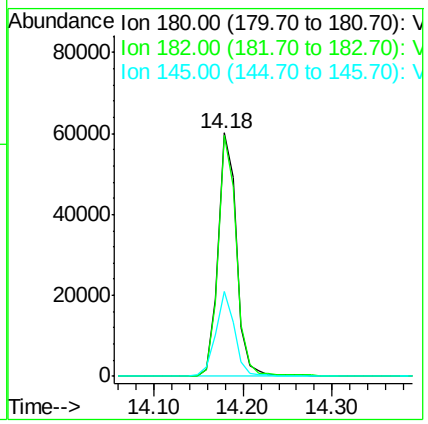


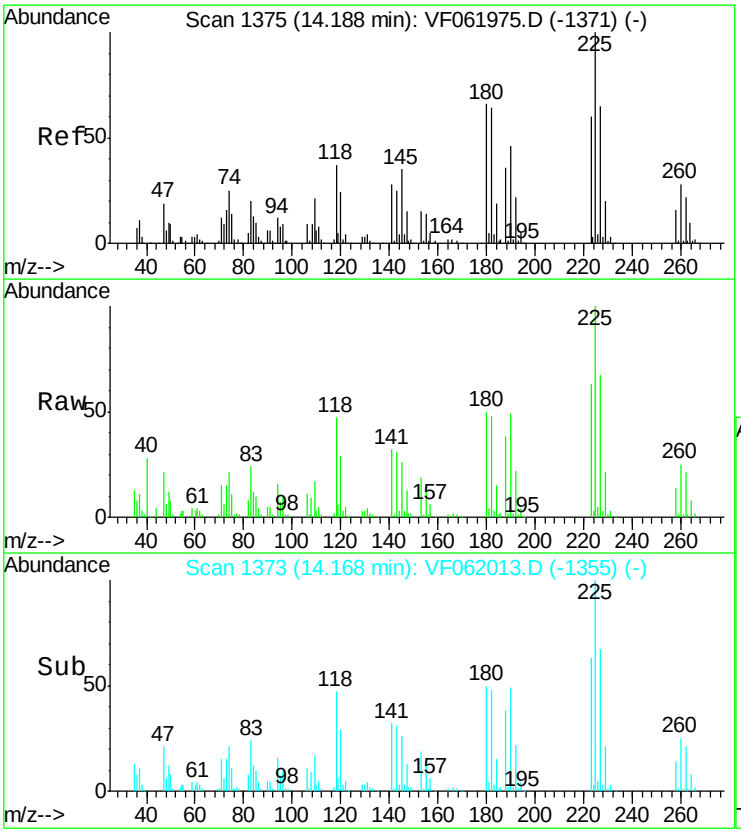

#93
1,2,4-Trichlorobenzene
Concen: 21.926 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:180 Resp: 88018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.8 | 49.6 | 149.0 |
| 145 | 34.9 | 17.5 | 52.5 |

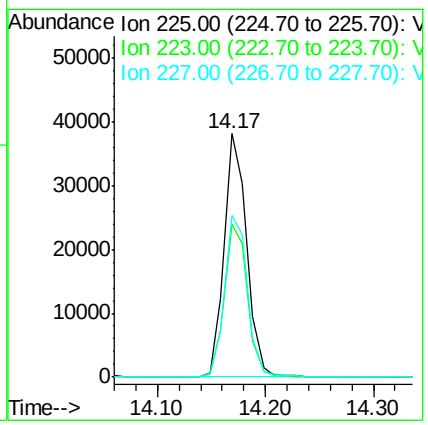


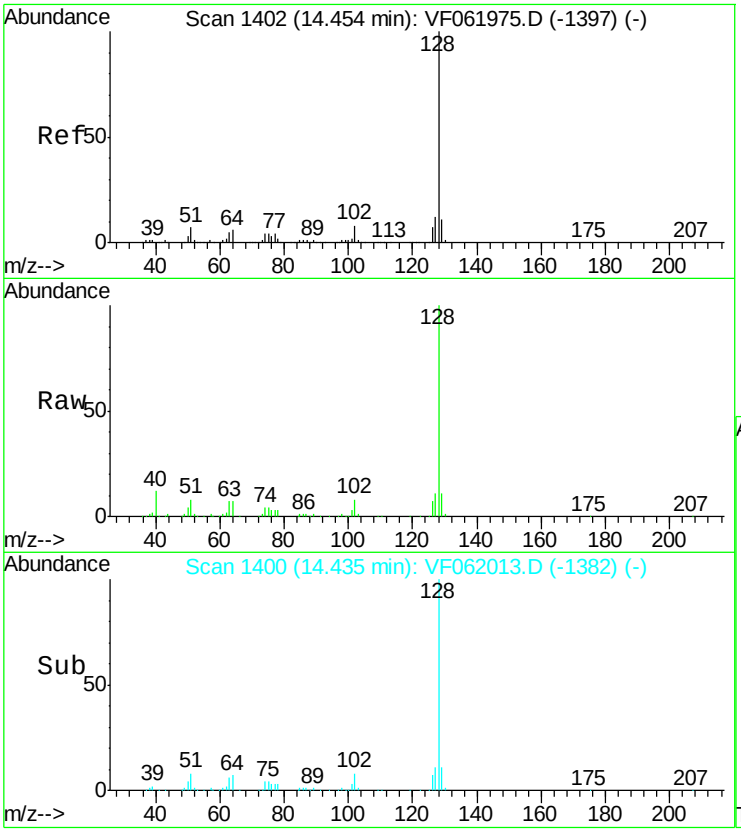




#94
Hexachlorobutadiene
Concen: 20.791 ug/l
RT: 14.17 min Scan# 1373
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:225 Resp: 55409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 29.9 | 89.7 |
| 227 | 66.6 | 32.4 | 97.2 |



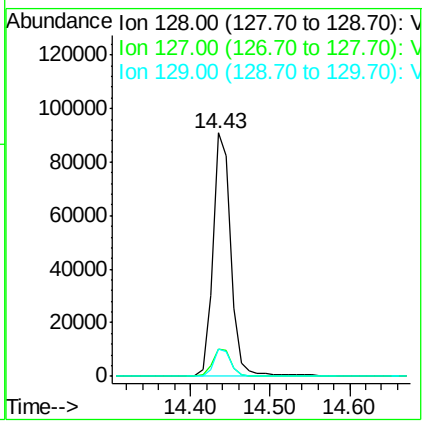


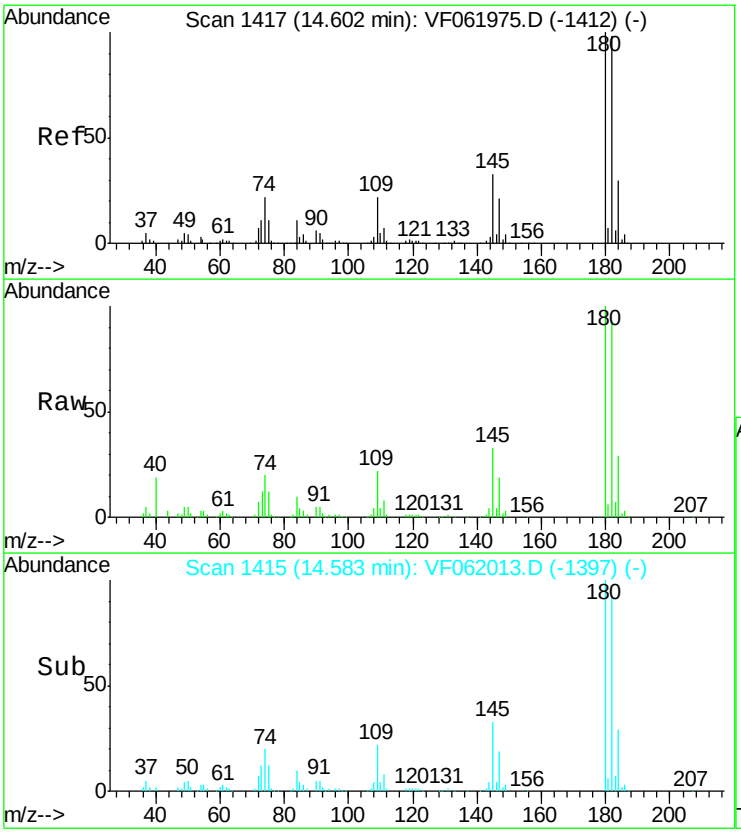

#95
Naphthalene
Concen: 20.034 ug/l
RT: 14.43 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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

Tgt Ion:128 Resp: 144649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.3 | 9.3 | 13.9 |
| 129 | 11.4 | 9.1 | 13.7 |




#96
1,2,3-Trichlorobenzene
Concen: 21.823 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion:180 Resp: 80599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.9 | 146.8 |
| 145 | 32.8 | 16.7 | 50.1 |