Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF053019\
Data File : VF062798.D
Acq On : 30 May 2019 16:27
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 31 03:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.08 | 168 | 882883 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 5.80 | 114 | 1504989 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.93 | 117 | 1203733 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152 | 565491 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.06 | 65 | 618693 | 97.11 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 194.22% | | | | |
| 35) Dibromofluoromethane | 4.34 | 113 | 1082982 | 92.62 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 185.24% | | | | |
| 50) Toluene-d8 | 7.73 | 98 | 2679198 | 88.29 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 176.58% | | | | |
| 62) 4-Bromofluorobenzene | 11.51 | 95 | 1004906 | 96.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 193.64% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.02 | 85 | 966013 | 75.971 | ug/l | | 97 |
| 3) Chloromethane | 1.15 | 50 | 908865 | 91.162 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.19 | 62 | 877188 | 91.326 | ug/l | | 99 |
| 5) Bromomethane | 1.39 | 94 | 495379 | 87.777 | ug/l | | 99 |
| 6) Chloroethane | 1.46 | 64 | 327557 | 89.453 | ug/l | # | 86 |
| 7) Trichlorofluoromethane | 1.57 | 101 | 1140664 | 84.359 | ug/l | | 99 |
| 8) Diethyl Ether | 1.73 | 74 | 250847 | 91.922 | ug/l | | 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.93 | 101 | 745158 | 84.906 | ug/l | | 96 |
| 10) Methyl Iodide | 2.01 | 142 | 1283562 | 75.445 | ug/l | | 98 |
| 11) Tert butyl alcohol | 2.72 | 59 | 201259 | 515.125 | ug/l | | 96 |
| 12) 1,1-Dichloroethene | 1.89 | 96 | 699158 | 90.403 | ug/l | | 92 |
| 13) Acrolein | 2.11 | 56 | 74207 | 493.065 | ug/l | | 89 |
| 14) Allyl chloride | 2.21 | 41 | 663914 | 117.511 | ug/l | | 94 |
| 15) Acrylonitrile | 3.11 | 53 | 890942 | 613.704 | ug/l | | 92 |
| 16) Acetone | 2.37 | 43 | 703530 | 474.758 | ug/l | | 98 |
| 17) Carbon Disulfide | 1.92 | 76 | 2111901 | 124.591 | ug/l | | 96 |
| 18) Methyl Acetate | 2.47 | 43 | 238990 | 82.990 | ug/l | | 90 |
| 19) Methyl tert-butyl Ether | 2.56 | 73 | 1309891 | 93.248 | ug/l | | 99 |
| 20) Methylene Chloride | 2.37 | 84 | 441082 | 50.552 | ug/l | | 95 |
| 21) trans-1,2-Dichloroethene | 2.43 | 96 | 725307 | 89.944 | ug/l | | 94 |
| 22) Diisopropyl ether | 2.96 | 45 | 1609213 | 96.927 | ug/l | | 98 |
| 23) Vinyl Acetate | 3.37 | 43 | 5175224 | 423.405 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.04 | 63 | 1264653 | 100.481 | ug/l | | 97 |
| 25) 2-Butanone | 4.55 | 43 | 1481927 | 420.988 | ug/l | | 95 |
| 26) 2,2-Dichloropropane | 3.80 | 77 | 705791 | 94.857 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 3.67 | 96 | 1212904 | 93.150 | ug/l | | 95 |
| 28) Bromochloromethane | 3.93 | 49 | 637285 | 89.190 | ug/l | | 95 |
| 29) Tetrahydrofuran | 4.29 | 42 | 579132 | 445.314 | ug/l | | 93 |
| 30) Chloroform | 4.08 | 83 | 1637139 | 88.939 | ug/l | | 100 |
| 31) Cyclohexane | 3.90 | 56 | 921497 | 52.675 | ug/l | | 99 |
| 32) 1,1,1-Trichloroethane | 4.32 | 97 | 1050330 | 103.197 | ug/l | | 94 |
| 36) 1,1-Dichloropropene | 4.50 | 75 | 1359882 | 92.683 | ug/l | | 96 |
| 37) Ethyl Acetate | 4.33 | 43 | 509701 | 86.199 | ug/l | | 90 |
| 38) Carbon Tetrachloride | 4.21 | 117 | 896497 | 91.299 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF053019\
Data File : VF062798.D
Acq On : 30 May 2019 16:27
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 31 03:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.66 | 83 | 1689595 | 94.450 | ug/l | | 95 |
| 40) Benzene | 4.85 | 78 | 3732548 | 86.226 | ug/l | | 99 |
| 41) Methacrylonitrile | 4.96 | 41 | 270064 | 84.091 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 5.16 | 62 | 747084 | 92.861 | ug/l | | 96 |
| 43) Isopropyl Acetate | 7.14 | 43 | 725353 | 98.974 | ug/l | | 97 |
| 44) Trichloroethene | 5.71 | 130 | 1078745 | 88.952 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 6.43 | 63 | 1000281 | 93.847 | ug/l | | 98 |
| 46) Dibromomethane | 6.29 | 93 | 568260 | 91.713 | ug/l | | 97 |
| 47) Bromodichloromethane | 6.57 | 83 | 1158728 | 91.796 | ug/l | | 99 |
| 48) Methyl methacrylate | 6.90 | 41 | 398079 | 106.554 | ug/l | | 95 |
| 49) 1,4-Dioxane | 6.89 | 88 | 100427 | 2228.769 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.42 | 43 | 2322023 | 411.919 | ug/l | | 97 |
| 52) Toluene | 7.80 | 92 | 2103199 | 92.833 | ug/l | | 90 |
| 53) t-1,3-Dichloropropene | 8.45 | 75 | 972488 | 93.067 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 7.48 | 75 | 1419885 | 93.883 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 8.65 | 97 | 638197 | 92.021 | ug/l | | 98 |
| 56) Ethyl methacrylate | 8.77 | 69 | 716361 | 100.692 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.02 | 76 | 1087749 | 96.401 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 7.47 | 63 | 1170630 | 464.625 | ug/l | | 94 |
| 59) 2-Hexanone | 9.64 | 43 | 1658384 | 420.473 | ug/l | | 94 |
| 60) Dibromochloromethane | 8.88 | 129 | 862252 | 103.066 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.15 | 107 | 693617 | 101.270 | ug/l | | 100 |
| 64) Tetrachloroethene | 8.33 | 164 | 867667 | 86.388 | ug/l | | 94 |
| 65) Chlorobenzene | 9.96 | 112 | 2232668 | 91.470 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.08 | 131 | 919085 | 96.393 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.05 | 91 | 3585071 | 84.264 | ug/l | | 90 |
| 68) m/p-Xylenes | 10.28 | 106 | 2925592 | 184.306 | ug/l | | 89 |
| 69) o-Xylene | 10.83 | 106 | 1544993 | 96.020 | ug/l | | 86 |
| 70) Styrene | 10.91 | 104 | 2168475 | 91.659 | ug/l | | 99 |
| 71) Bromoform | 10.89 | 173 | 475795 | 102.634 | ug/l | # | 97 |
| 73) Isopropylbenzene | 11.23 | 105 | 3538544 | 82.714 | ug/l | | 96 |
| 74) N-amyl acetate | 11.46 | 43 | 979589 | 80.713 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.78 | 83 | 823677 | 89.104 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 11.88 | 75 | 550962 | 92.670 | ug/l | | 89 |
| 77) Bromobenzene | 11.59 | 156 | 931714 | 88.928 | ug/l | | 85 |
| 78) n-propylbenzene | 11.69 | 91 | 3714936 | 69.970 | ug/l | | 95 |
| 79) 2-Chlorotoluene | 11.81 | 91 | 2533620 | 87.118 | ug/l | | 91 |
| 80) 1,3,5-Trimethylbenzene | 11.91 | 105 | 2917207 | 83.643 | ug/l | | 92 |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75 | 305954 | 98.541 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.99 | 91 | 2416035 | 83.825 | ug/l | | 90 |
| 83) tert-Butylbenzene | 12.21 | 119 | 2964376 | 87.506 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 12.28 | 105 | 2789789 | 83.801 | ug/l | | 92 |
| 85) sec-Butylbenzene | 12.38 | 105 | 3705779 | 80.056 | ug/l | | 91 |
| 86) p-Isopropyltoluene | 12.53 | 119 | 3107927 | 81.612 | ug/l | | 93 |
| 87) 1,3-Dichlorobenzene | 12.55 | 146 | 1581037 | 84.044 | ug/l | | 95 |
| 88) 1,4-Dichlorobenzene | 12.64 | 146 | 1496568 | 85.330 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.90 | 91 | 2966384 | 75.567 | ug/l | | 98 |
| 90) Hexachloroethane | 12.98 | 117 | 847349 | 93.713 | ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 13.01 | 146 | 1410383 | 85.390 | ug/l | | 95 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75 | 98937 | 100.548 | ug/l | | 77 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
Data File : VF062798.D
Acq On : 30 May 2019 16:27
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 31 03:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.25 | 180 | 1040945 | 92.862 ug/l | 98 |
| 94) Hexachlorobutadiene | 14.23 | 225 | 729834 | 94.758 ug/l | 97 |
| 95) Naphthalene | 14.50 | 128 | 1937570 | 108.828 ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180 | 997838 | 100.555 ug/l | 93 |

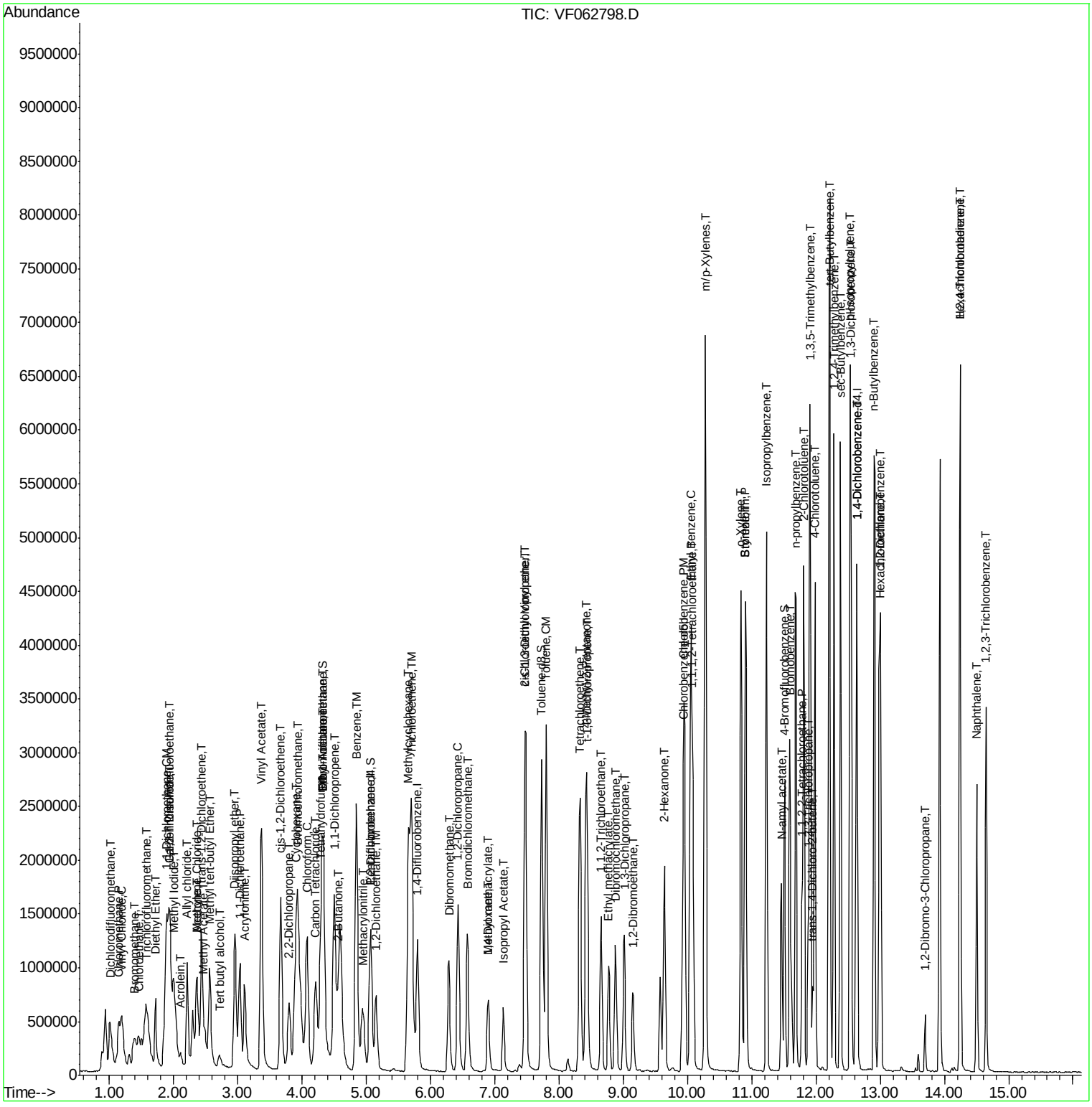
(#) = qualifier out of range (m) = manual integration (+) = signals summed

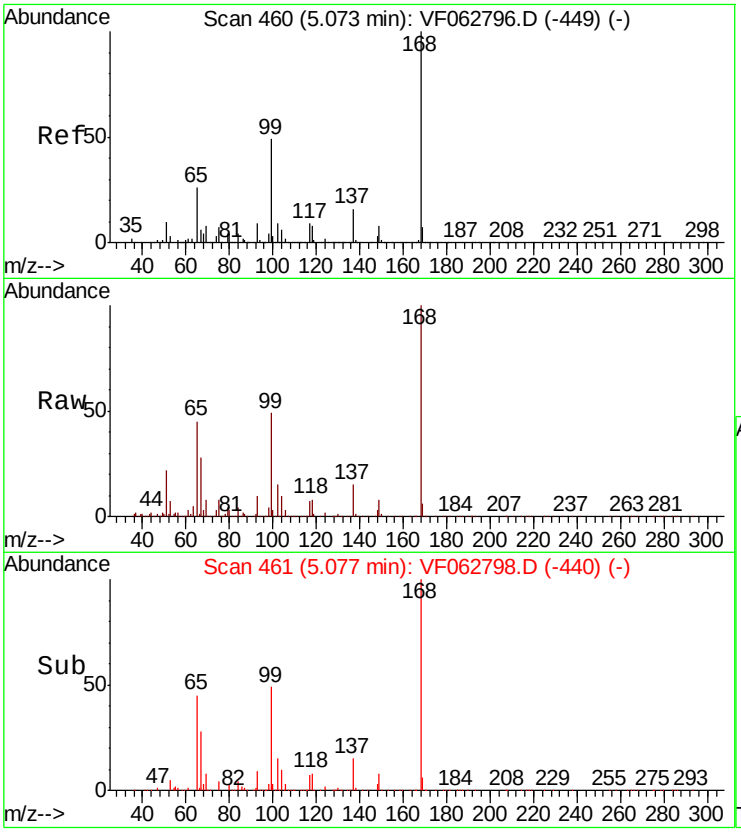
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF053019\
Data File : VF062798.D
Acq On : 30 May 2019 16:27
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 31 03:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
Response via : Initial Calibration



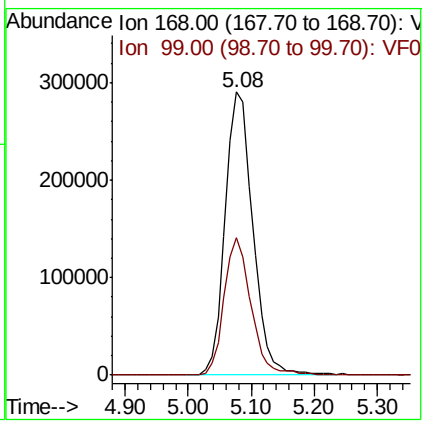


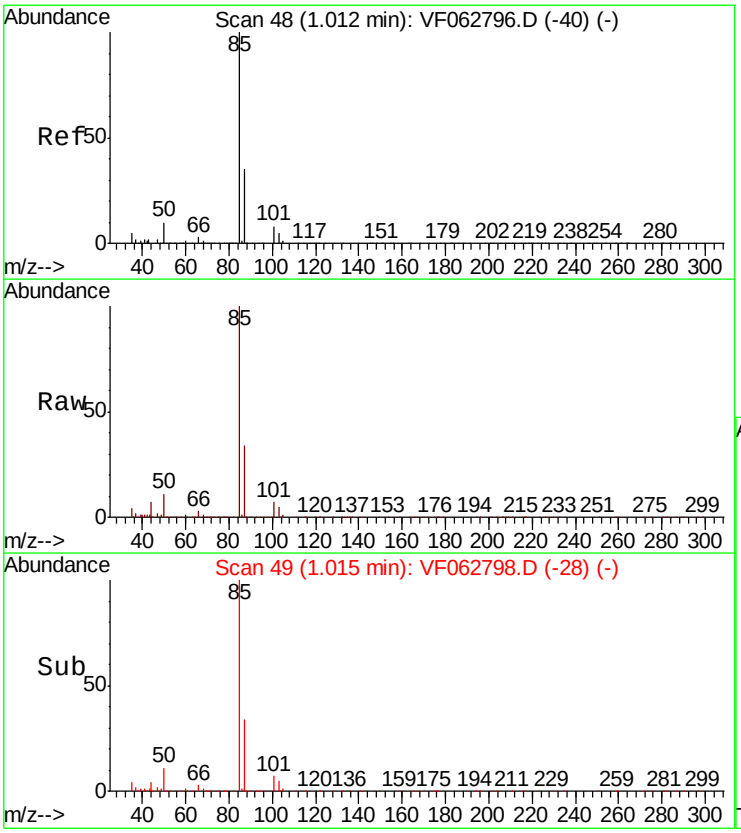

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:168 Resp: 882883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.7 | 39.1 | 58.7 |

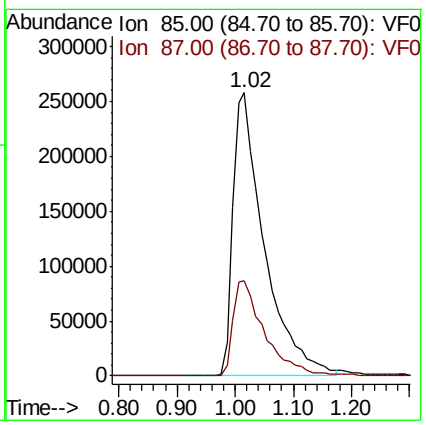


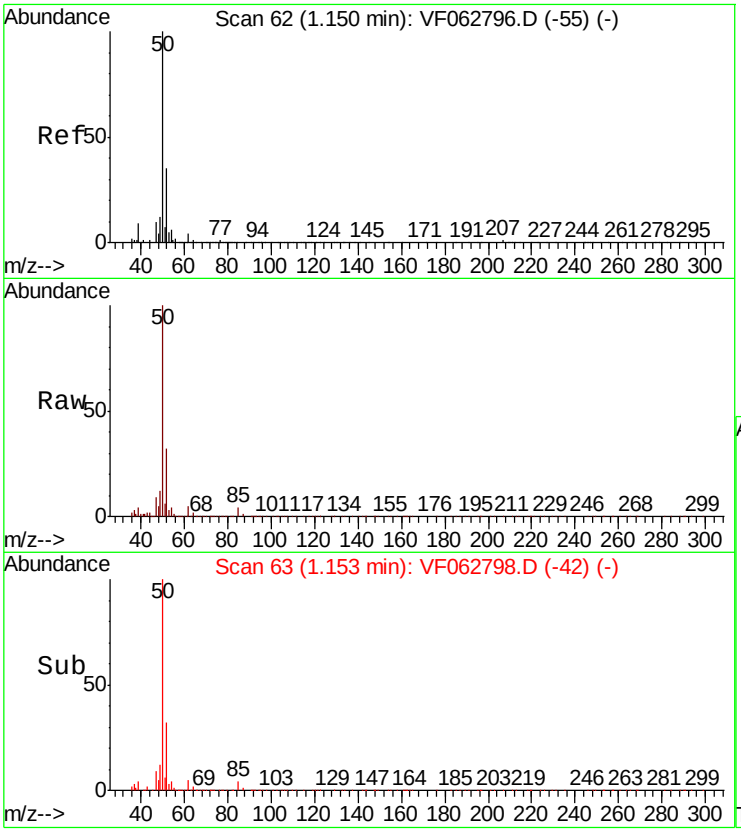




#2
Dichlorodifluoromethane
Concen: 75.971 ug/l
RT: 1.02 min Scan# 49
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 85 Resp: 966013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 17.6 | 52.9 |



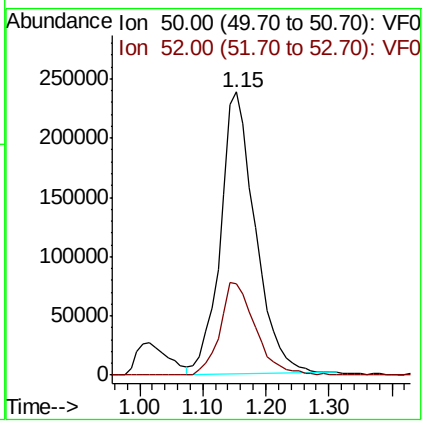


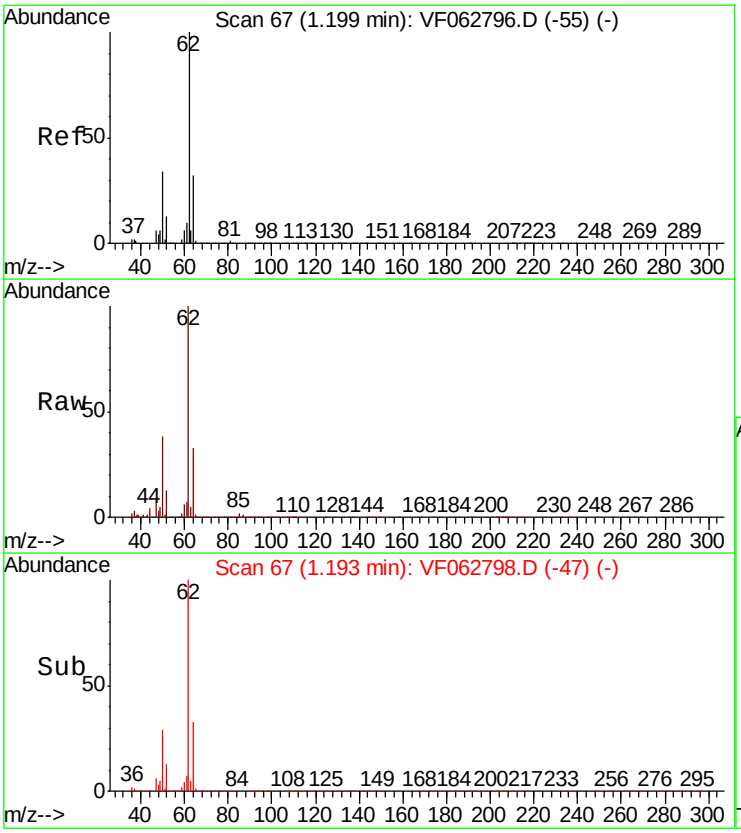

#3
Chloromethane
Concen: 91.162 ug/l
RT: 1.15 min Scan# 63
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 50 Resp: 908865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 27.0 | 40.4 |

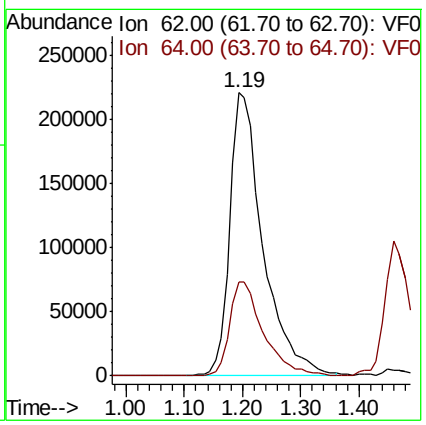


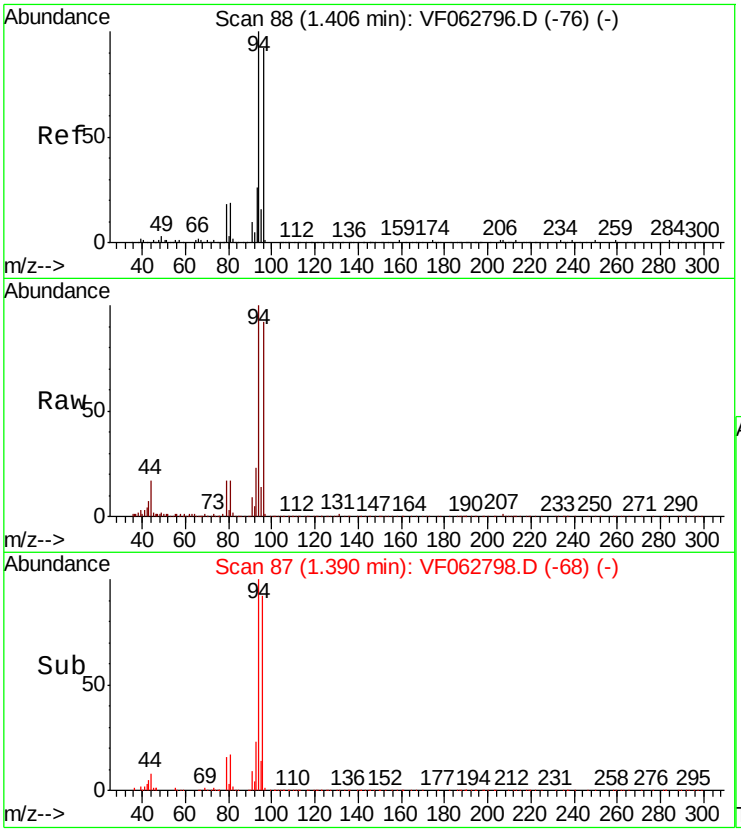




#4
Vinyl Chloride
Concen: 91.326 ug/l
RT: 1.19 min Scan# 67
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 62 Resp: 877188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.3 | 26.2 | 39.2 |



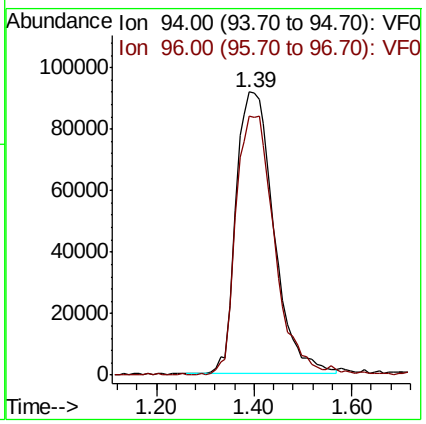


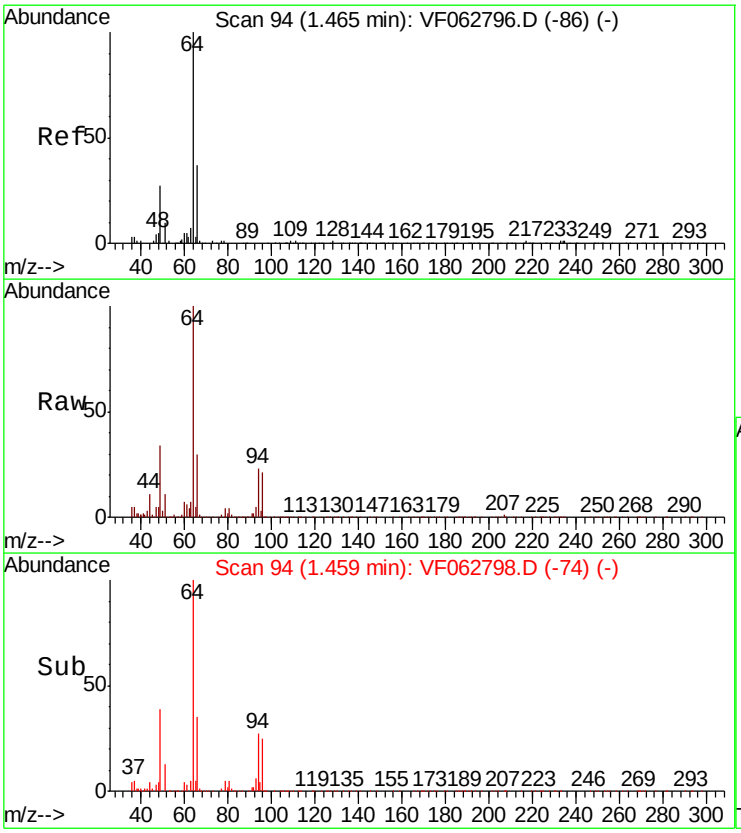

#5
Bromomethane
Concen: 87.777 ug/l
RT: 1.39 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 94 Resp: 495379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.6 | 73.8 | 110.6 |

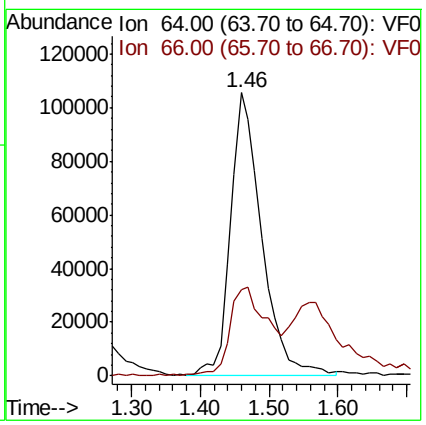


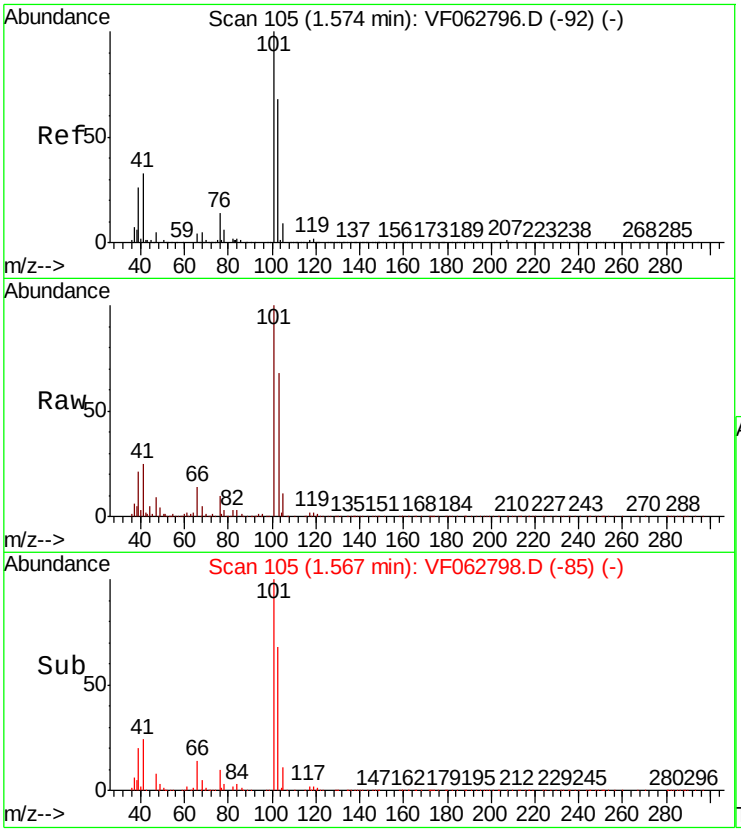




#6
Chloroethane
Concen: 89.453 ug/l
RT: 1.46 min Scan# 94
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 64 Resp: 327557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.3 | 31.0 | 46.4# |



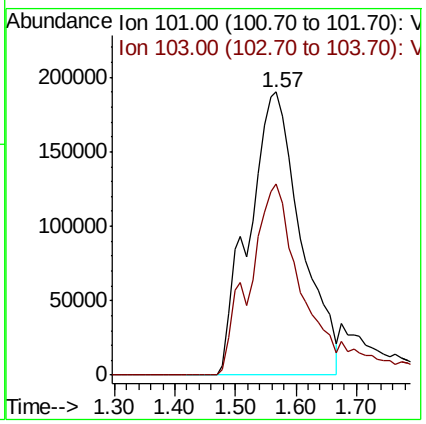


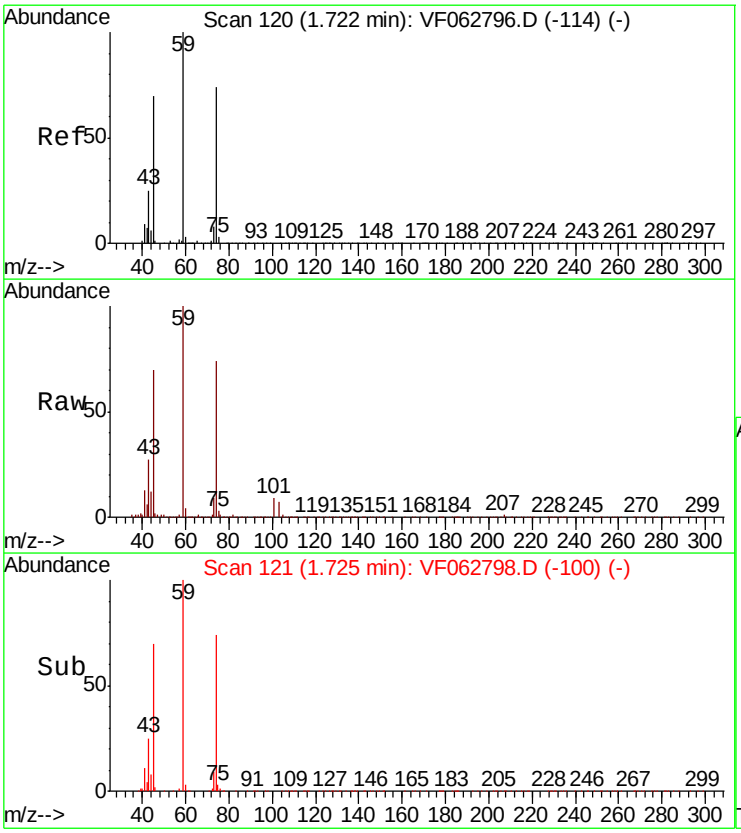

#7
Trichlorofluoromethane
Concen: 84.359 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:101 Resp: 1140664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.6 | 54.6 | 82.0 |

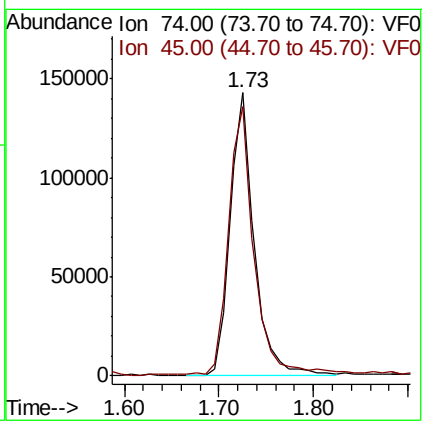


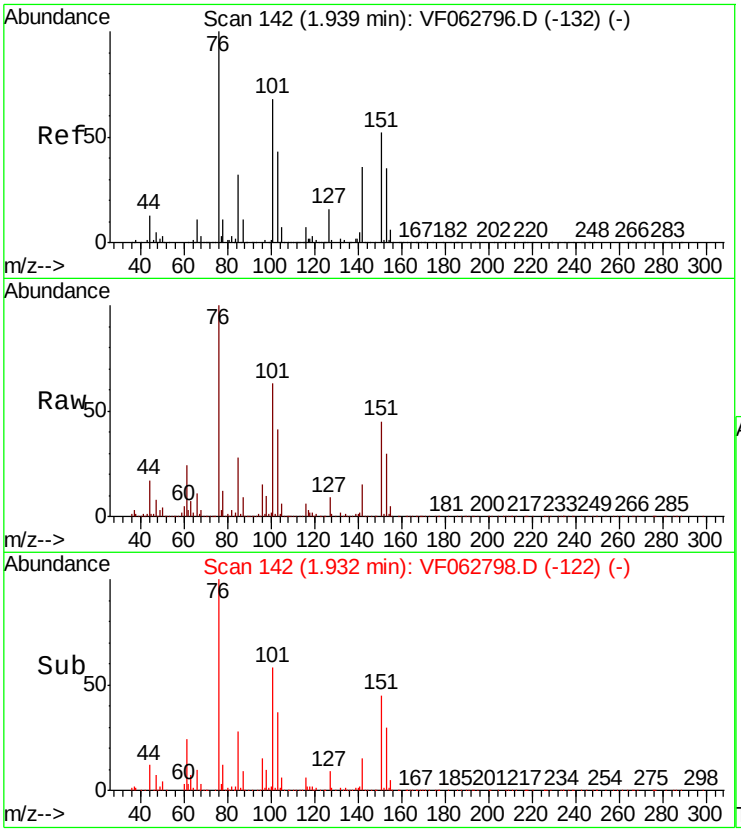




#8
Diethyl Ether
Concen: 91.922 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 74 Resp: 250847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.0 | 47.5 | 142.5 |



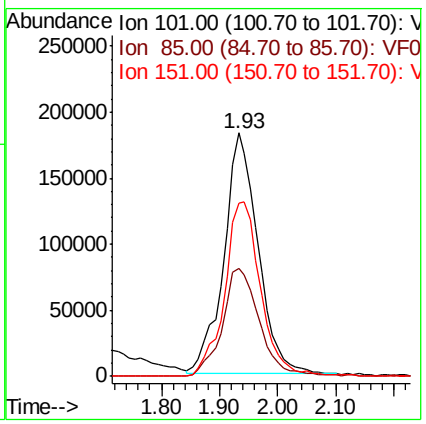


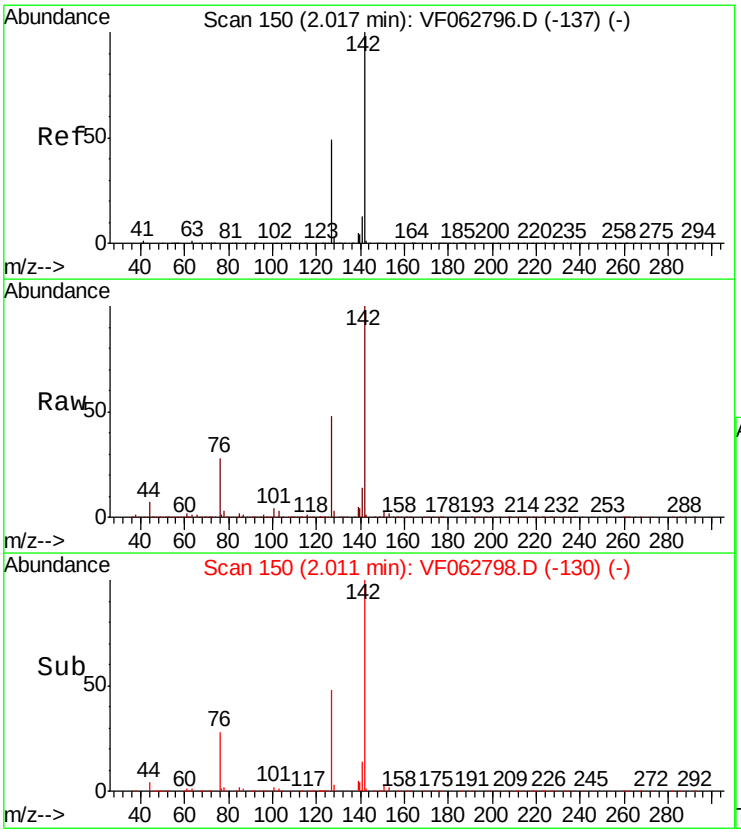

#9
1,1,2-Trichlorotrifluoroethane
Concen: 84.906 ug/l
RT: 1.93 min Scan# 142
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:101 Resp: 745158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.2 | 37.1 | 55.7 |
| 151 | 71.1 | 60.3 | 90.5 |

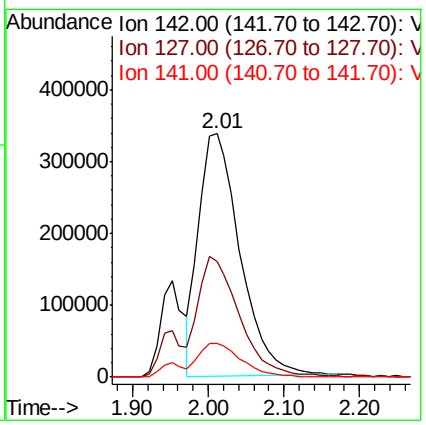


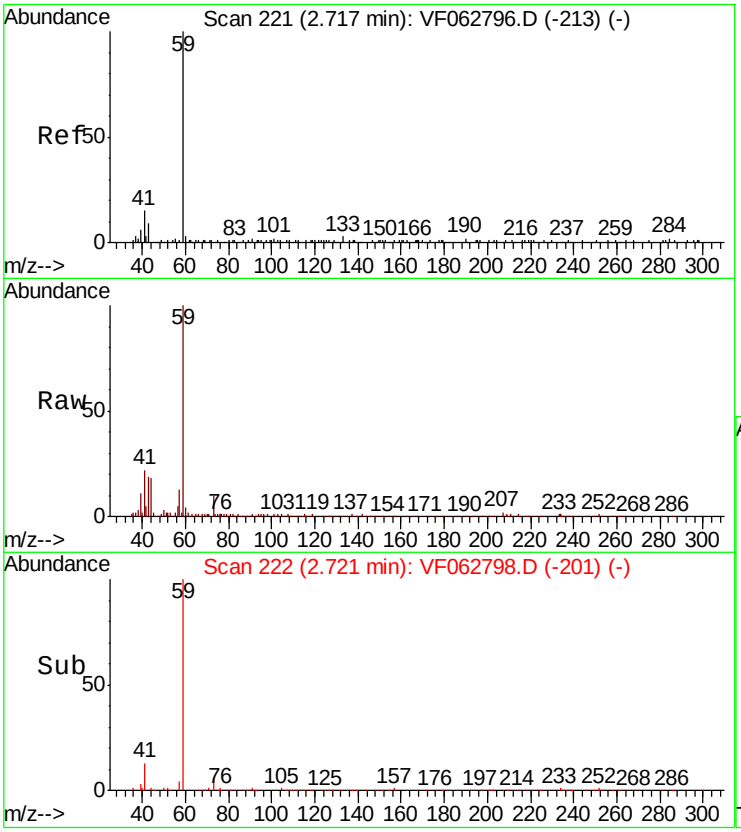




#10
Methyl Iodide
Concen: 75.445 ug/l
RT: 2.01 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:142 Resp: 1283562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.5 | 39.4 | 59.2 |
| 141 | 14.0 | 10.6 | 15.8 |



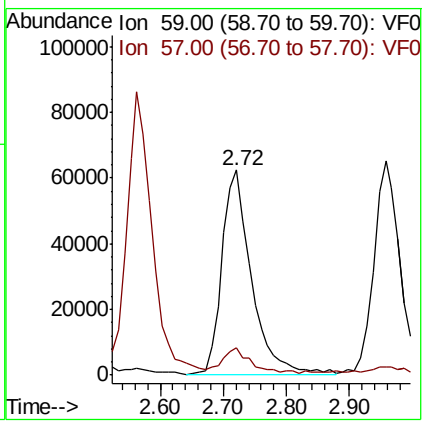


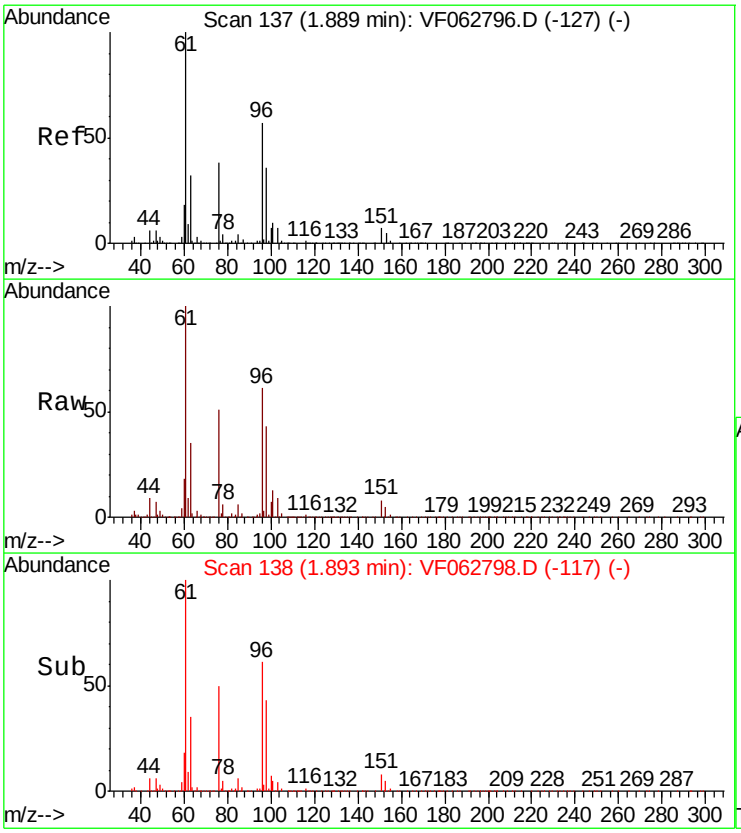

#11
Tert butyl alcohol
Concen: 515.125 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 59 Resp: 201259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 13.1 | 9.2 | 13.8 |

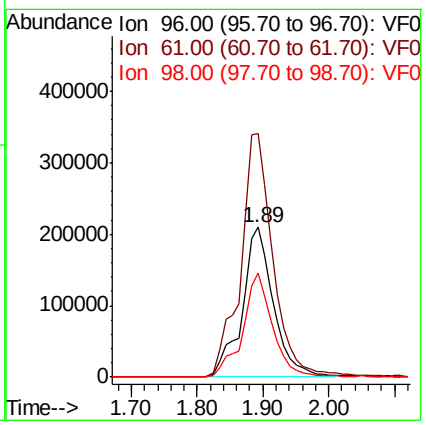


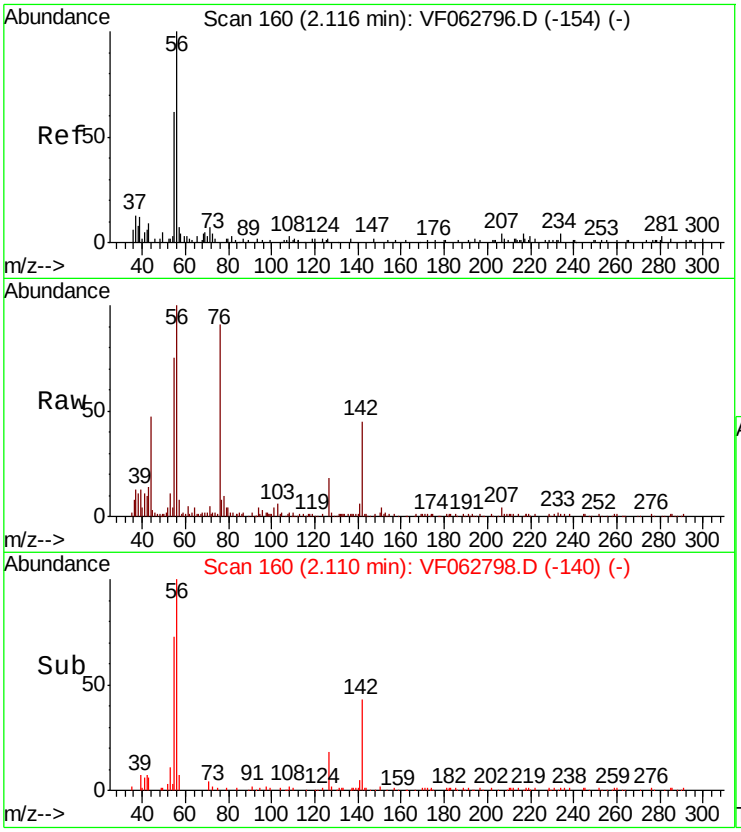




#12
1,1-Dichloroethene
Concen: 90.403 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 96 Resp: 699158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.6 | 139.4 | 209.2 |
| 98 | 69.3 | 50.3 | 75.5 |



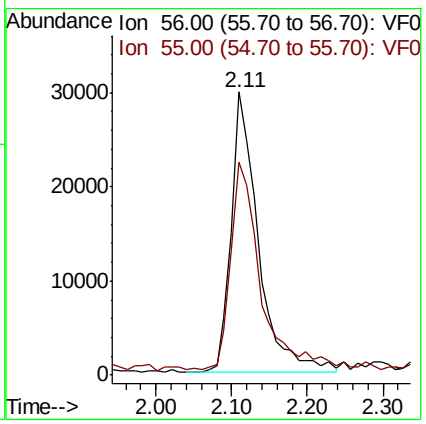


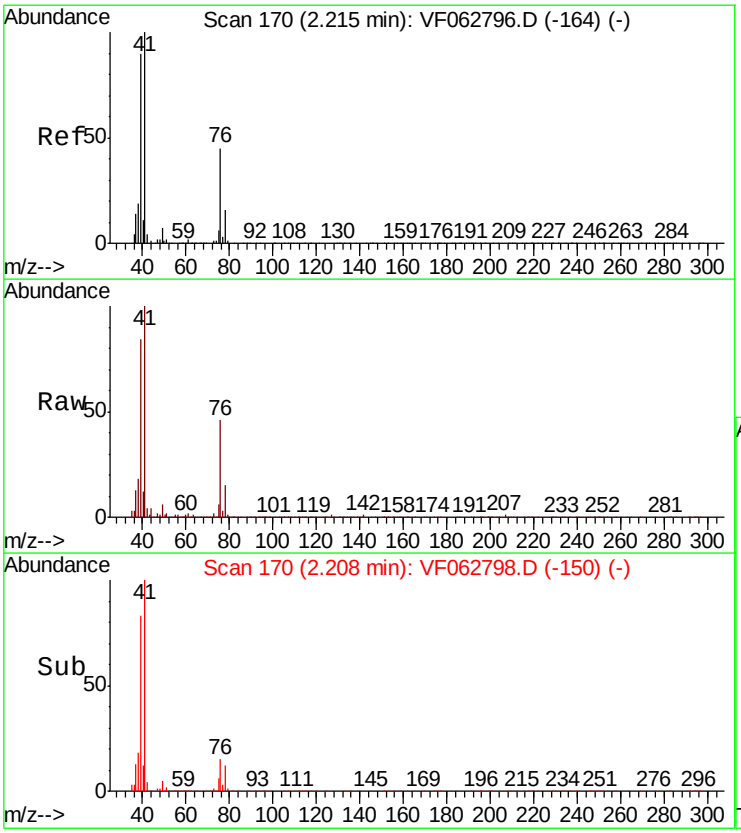

#13
Acrolein
Concen: 493.065 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 56 Resp: 74207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.1 | 52.9 | 79.3 |

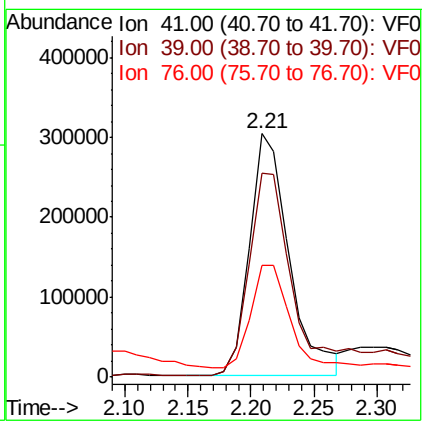


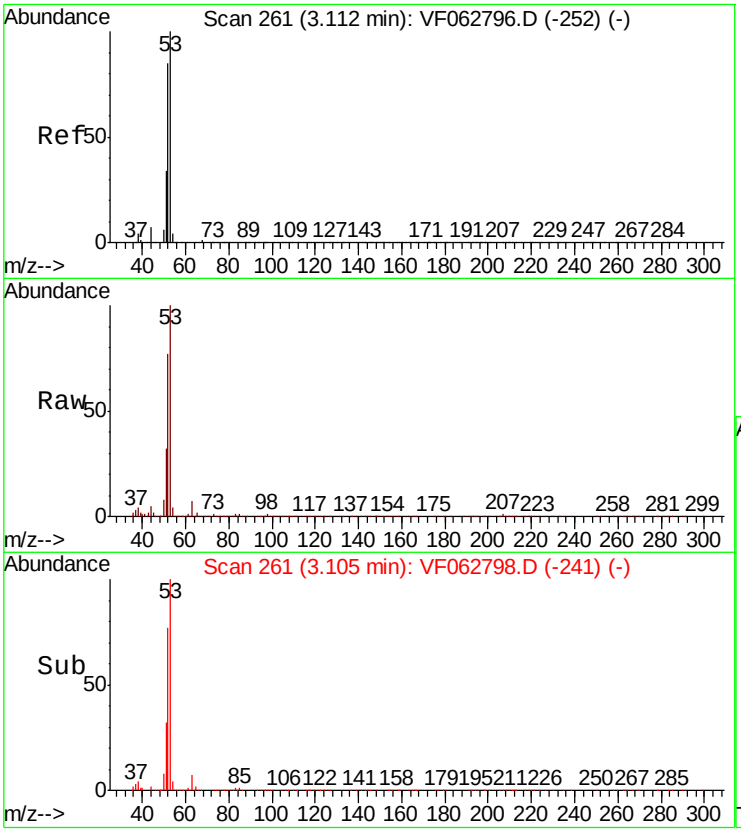




#14
Allyl chloride
Concen: 117.511 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 41 Resp: 663914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 83.6 | 71.9 | 107.9 |
| 76 | 46.1 | 39.6 | 59.4 |



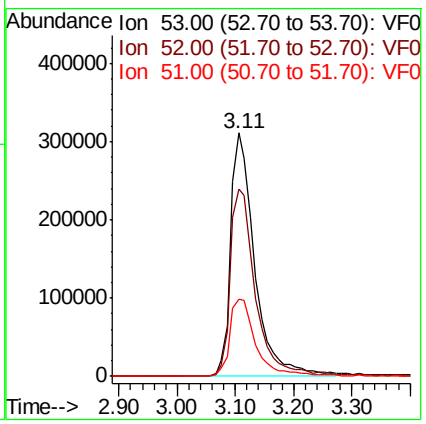


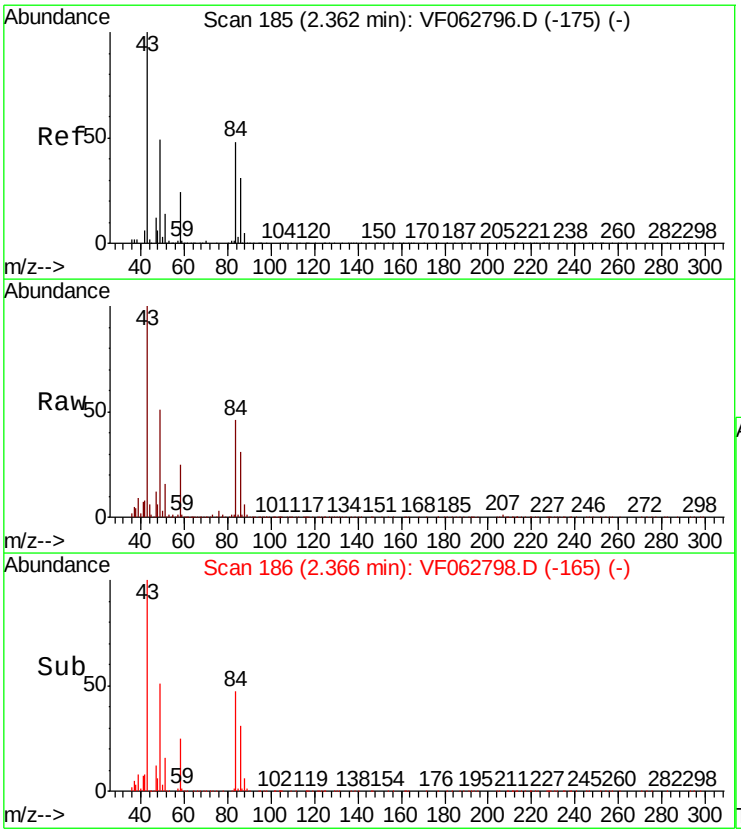

#15
Acrylonitrile
Concen: 613.704 ug/l
RT: 3.11 min Scan# 261
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 53 Resp: 890942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 76.9 | 68.1 | 102.1 |
| 51 | 31.7 | 27.7 | 41.5 |

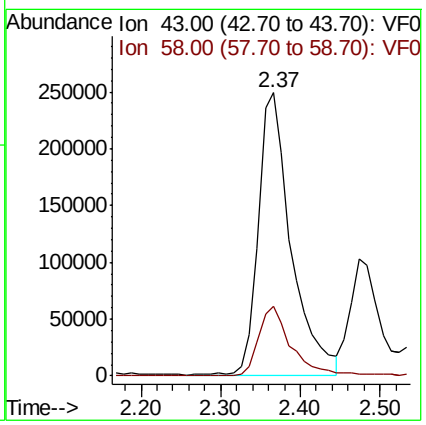


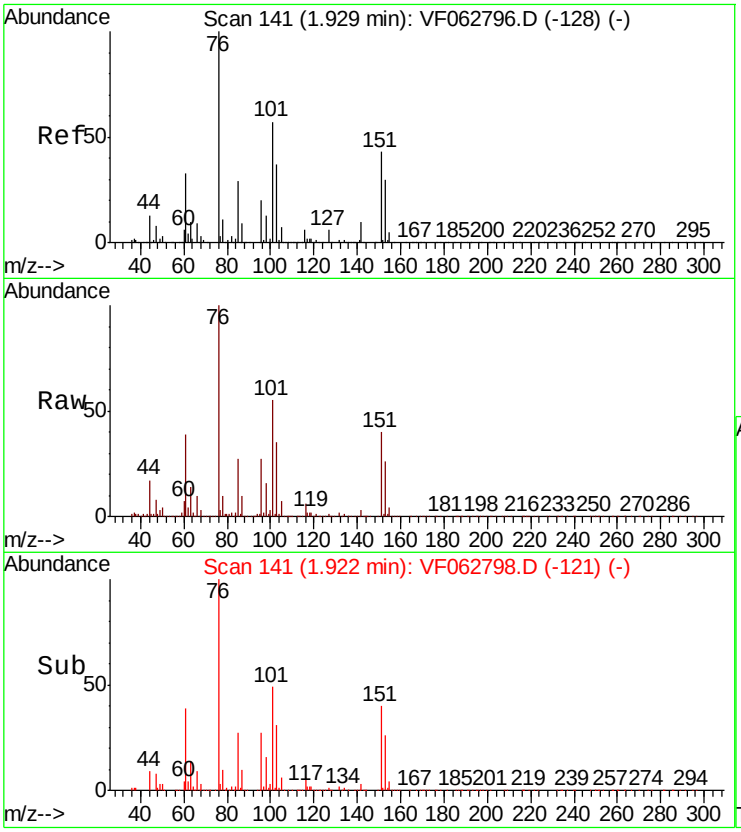




#16
Acetone
Concen: 474.758 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 43 Resp: 703530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.5 | 19.0 | 28.4 |



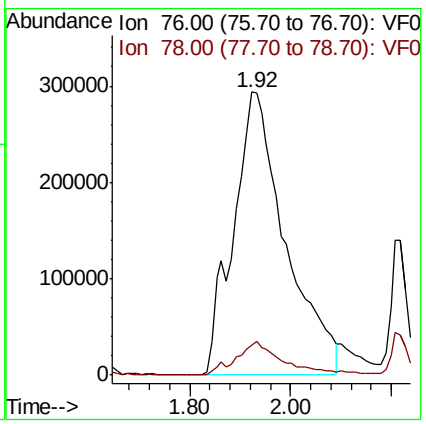


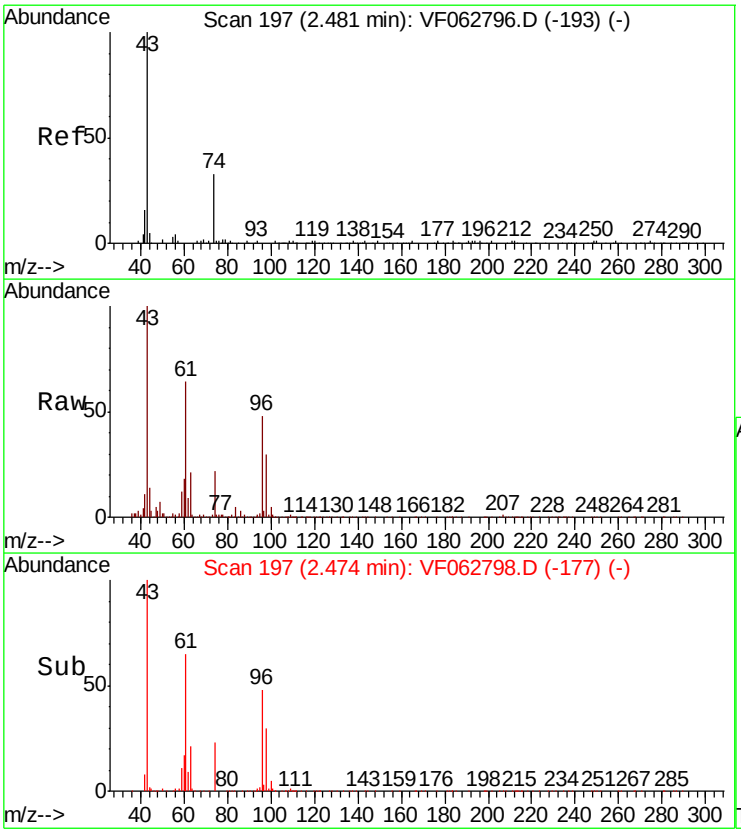

#17
Carbon Disulfide
Concen: 124.591 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 76 Resp: 2111901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.4 | 9.4 | 14.2 |

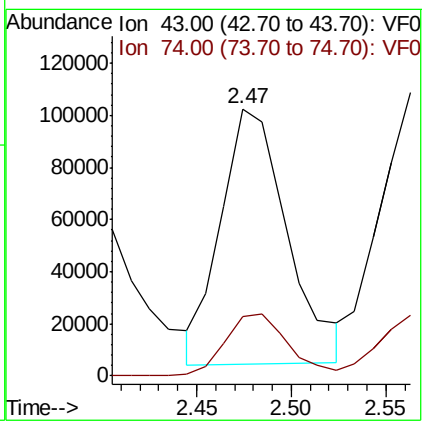


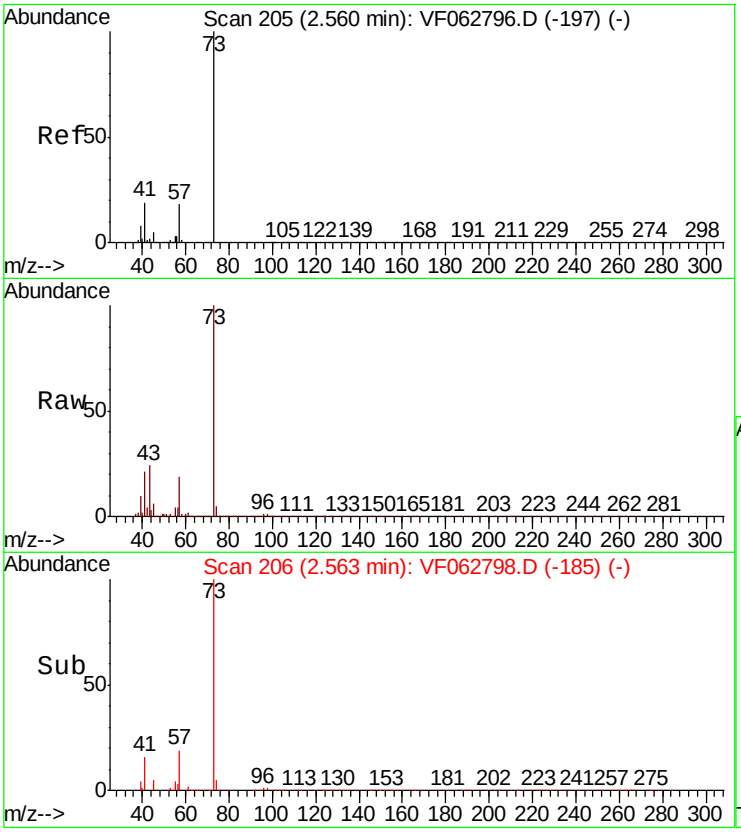




#18
Methyl Acetate
Concen: 82.990 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 43 Resp: 238990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.3 | 22.1 | 33.1 |



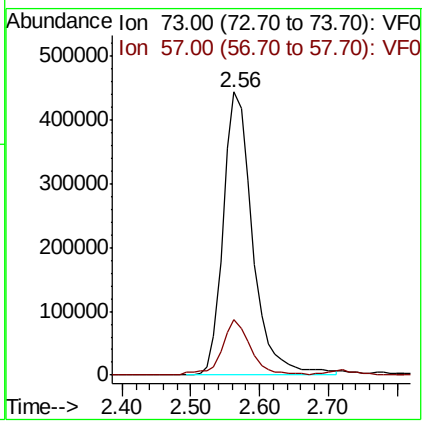


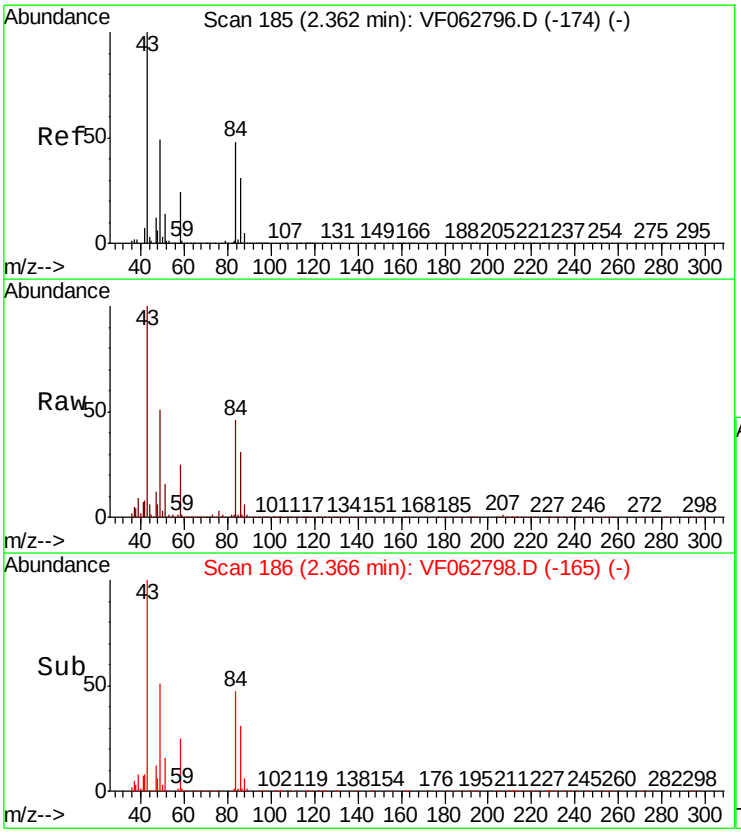

#19
Methyl tert-butyl Ether
Concen: 93.248 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 73 Resp: 1309891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.4 | 15.1 | 22.7 |

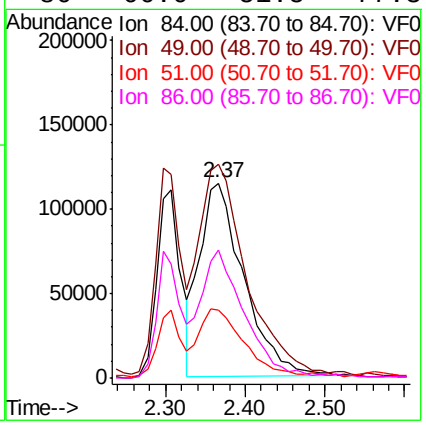


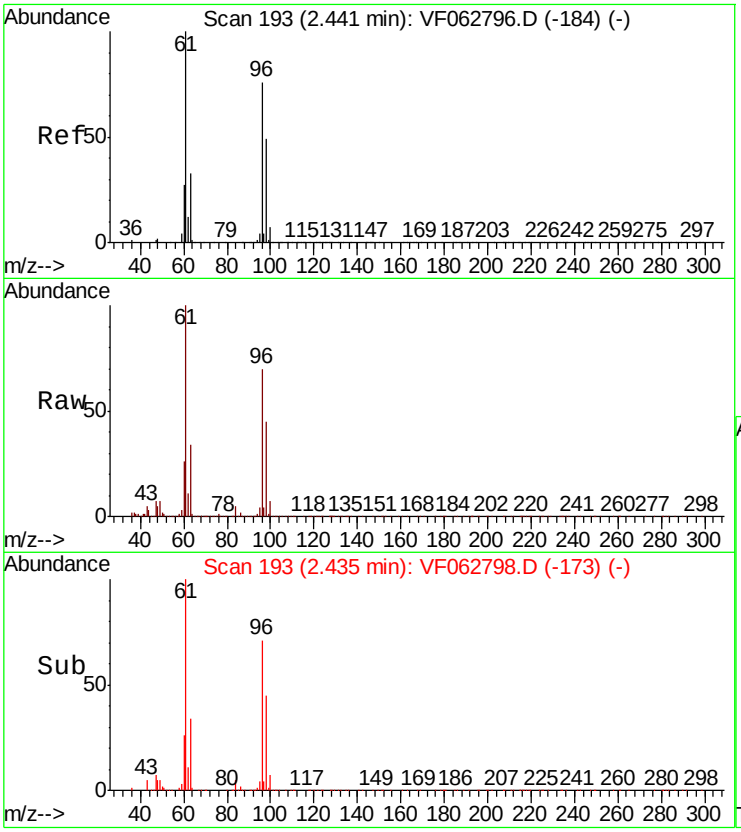




#20
Methylene Chloride
Concen: 50.552 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 84 Resp: 441082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.8 | 82.6 | 123.8 |
| 51 | 34.8 | 25.0 | 37.4 |
| 86 | 66.0 | 51.5 | 77.3 |



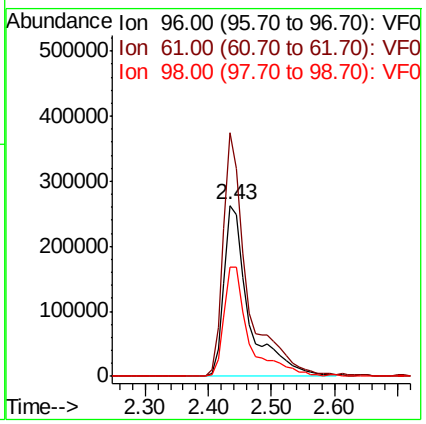


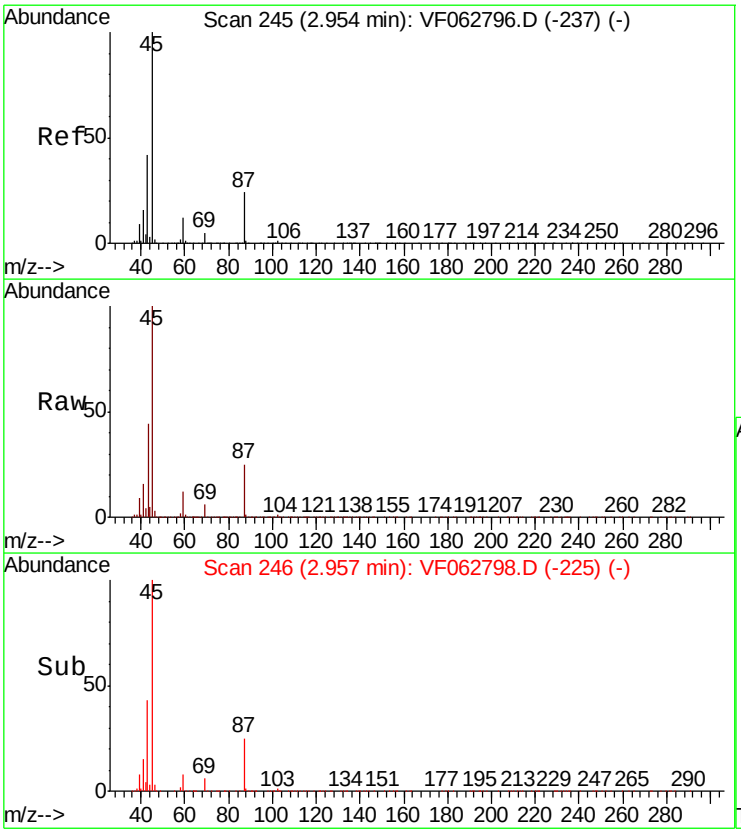

#21
trans-1,2-Dichloroethene
Concen: 89.944 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 96 Resp: 725307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.3 | 105.0 | 157.6 |
| 98 | 64.1 | 51.1 | 76.7 |

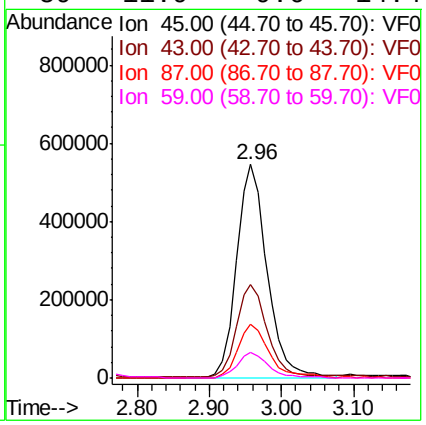


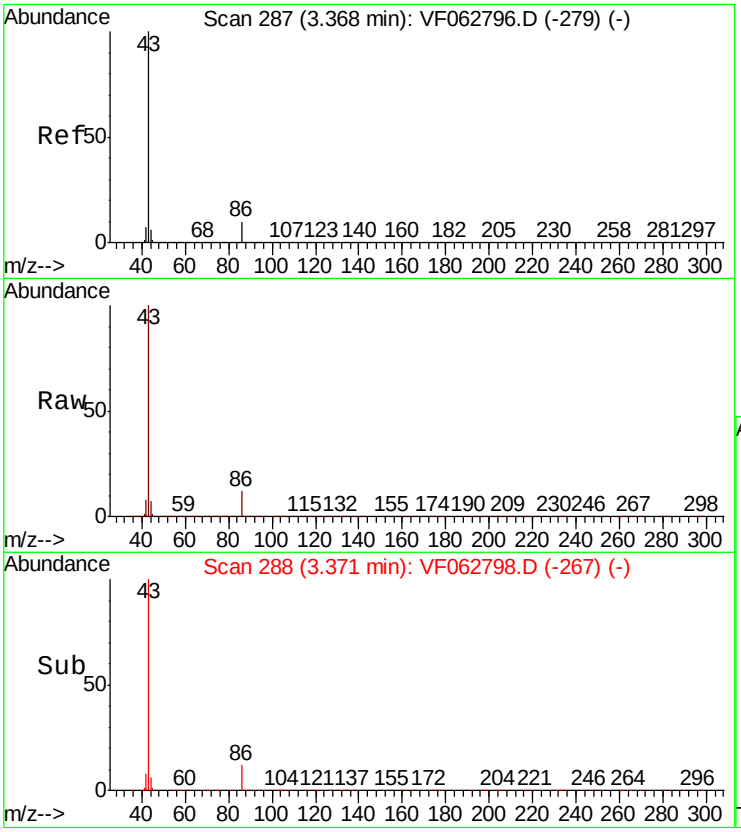




#22
Diisopropyl ether
Concen: 96.927 ug/l
RT: 2.96 min Scan# 246
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 45 Resp: 1609213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 43.7 | 34.3 | 51.5 |
| 87 | 25.2 | 19.0 | 28.4 |
| 59 | 11.9 | 9.6 | 14.4 |



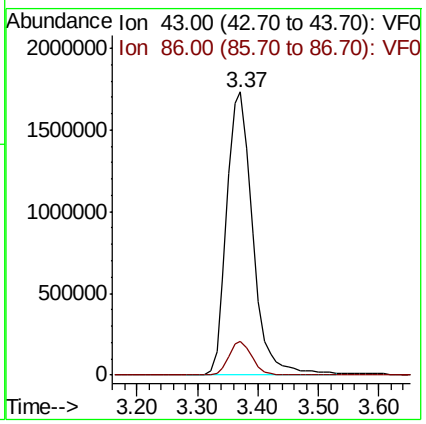


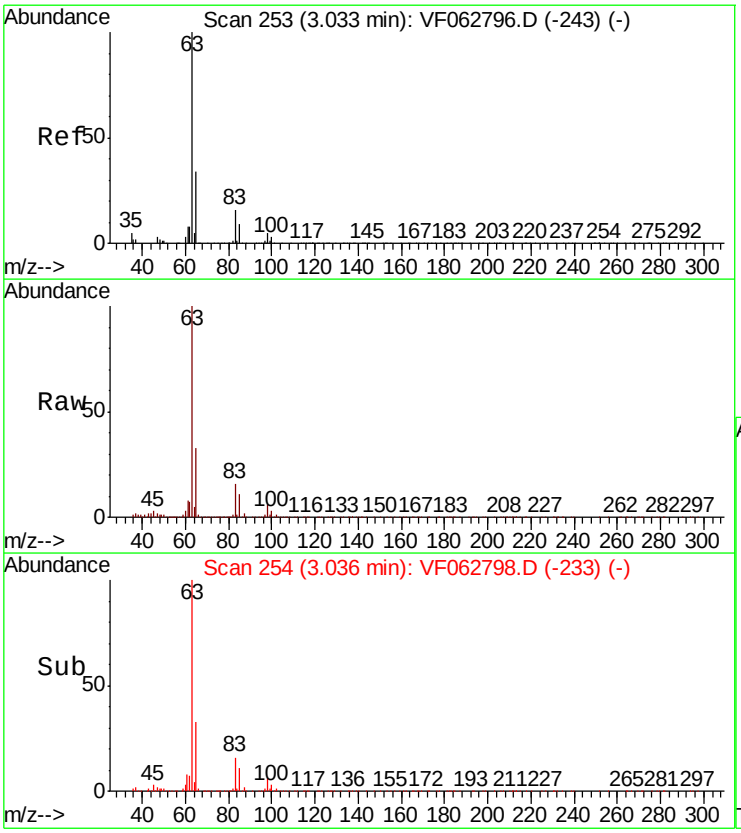

#23
Vinyl Acetate
Concen: 423.405 ug/l
RT: 3.37 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 5175224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 12.1 | 8.2 | 12.2 |

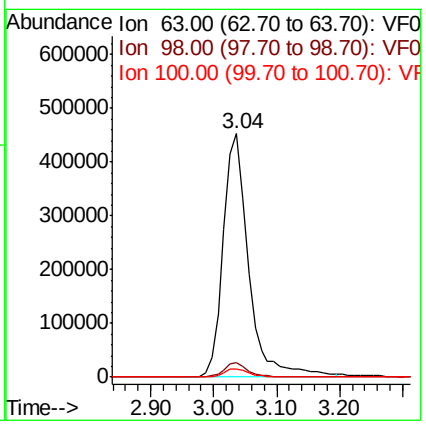


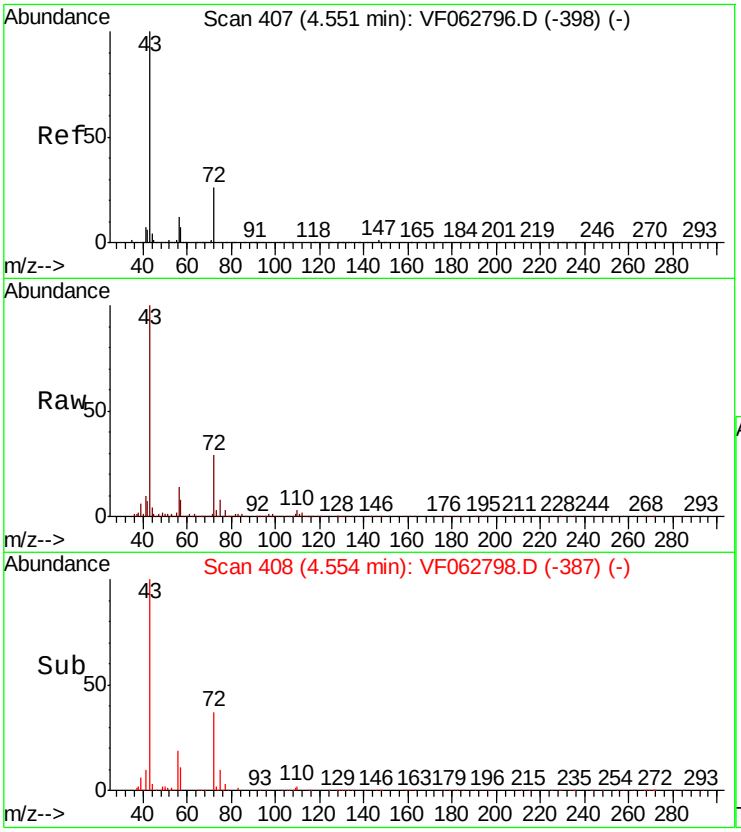




#24
1,1-Dichloroethane
Concen: 100.481 ug/l
RT: 3.04 min Scan# 254
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 63 Resp: 1264653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.8 | 2.4 | 7.1 |
| 100 | 3.4 | 1.5 | 4.5 |



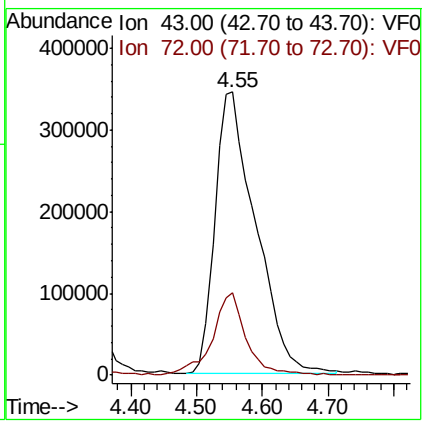


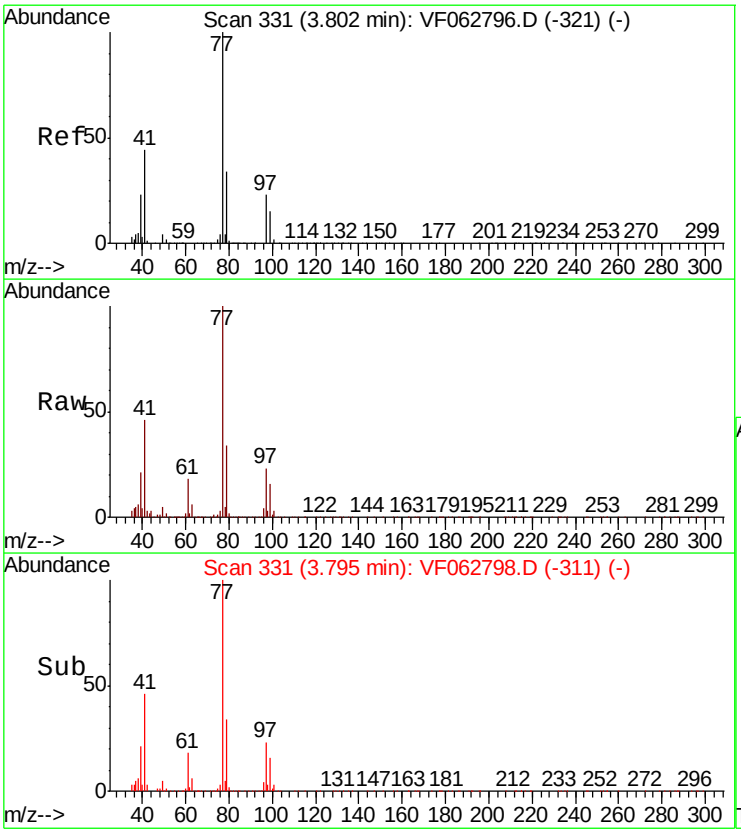

#25
2-Butanone
Concen: 420.988 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 1481927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.1 | 21.4 | 32.0 |

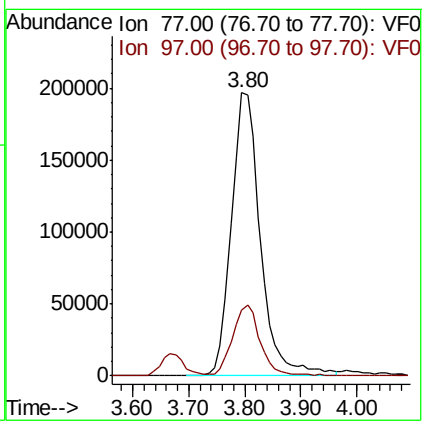


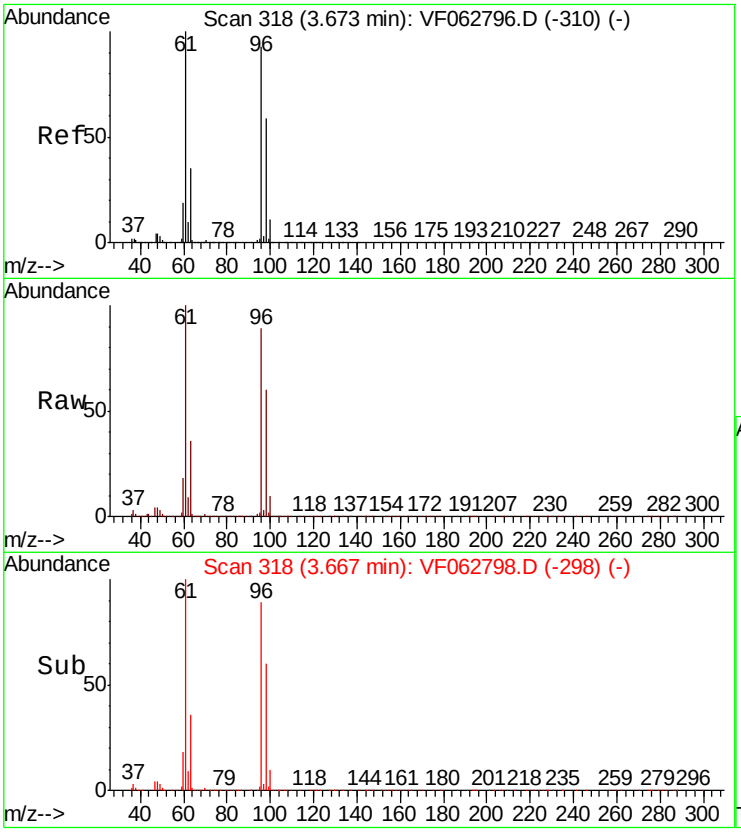




#26
2,2-Dichloropropane
Concen: 94.857 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 77 Resp: 705791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.2 | 12.4 | 37.4 |



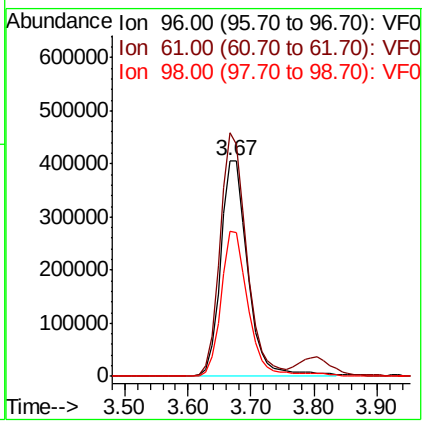


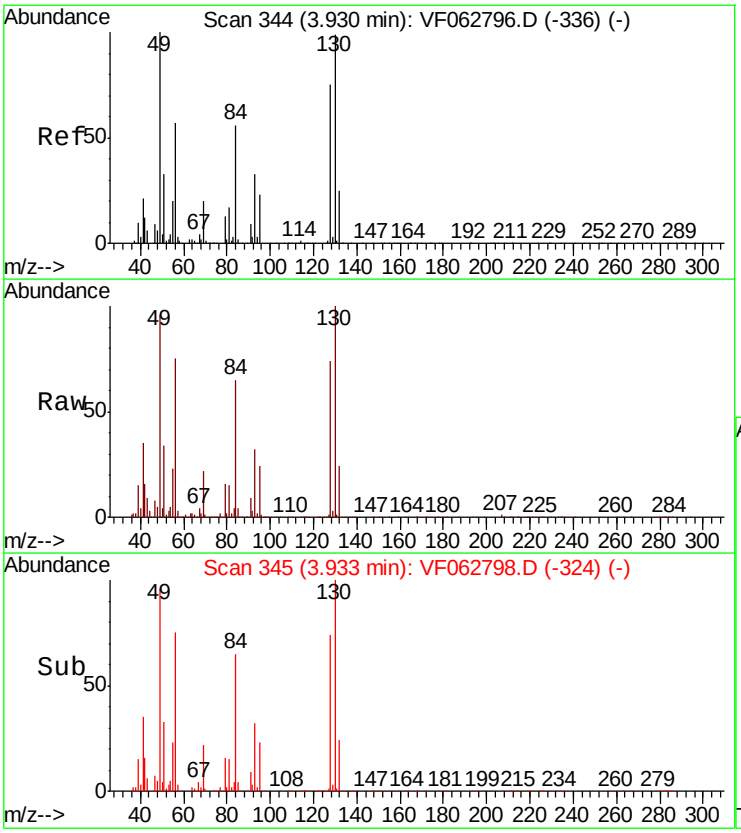

#27
cis-1,2-Dichloroethene
Concen: 93.150 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 96 Resp: 1212904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 112.7 | 0.0 | 213.8 |
| 98 | 67.0 | 0.0 | 127.0 |

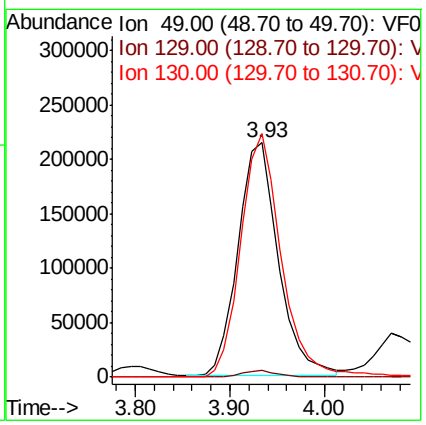


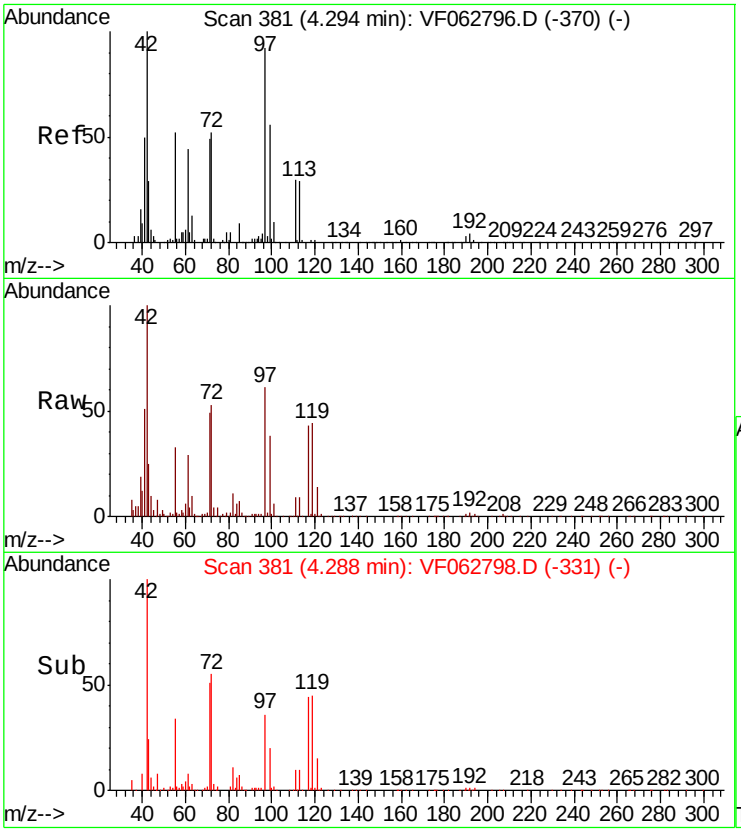




#28
Bromochloromethane
Concen: 89.190 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 49 Resp: 637285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 3.0 | 0.0 | 5.4 |
| 130 | 103.9 | 79.2 | 118.8 |



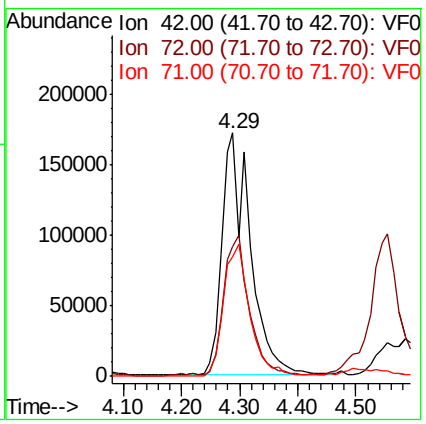


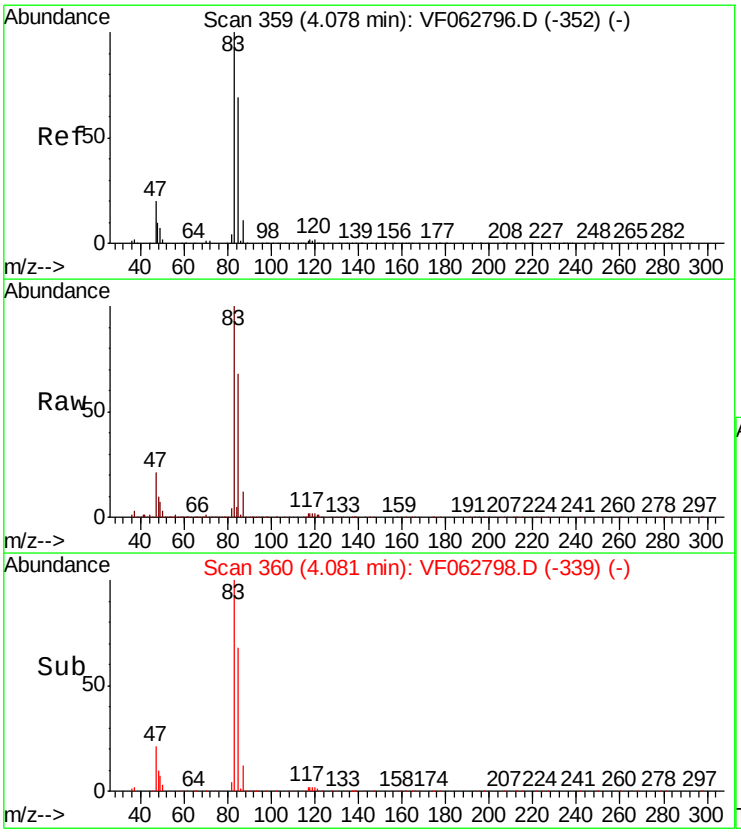

#29
Tetrahydrofuran
Concen: 445.314 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 42 Resp: 579132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 53.4 | 39.0 | 58.6 |
| 71 | 51.0 | 36.9 | 55.3 |

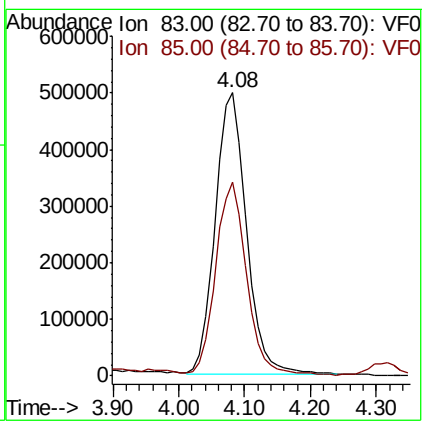


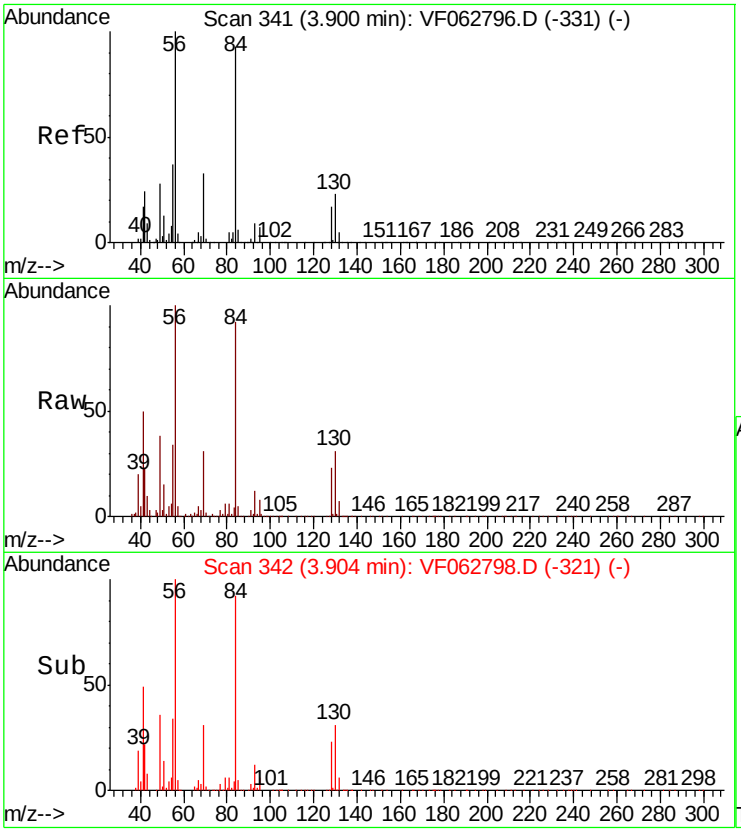




#30
Chloroform
Concen: 88.939 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 83 Resp: 1637139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.4 | 55.0 | 82.6 |



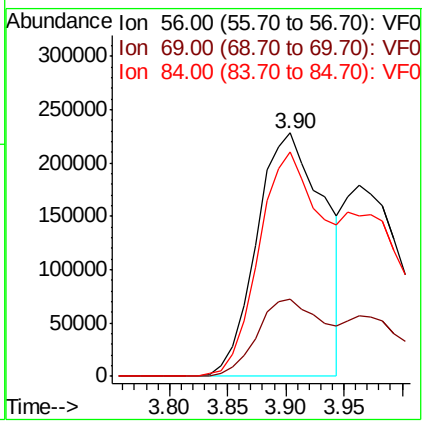


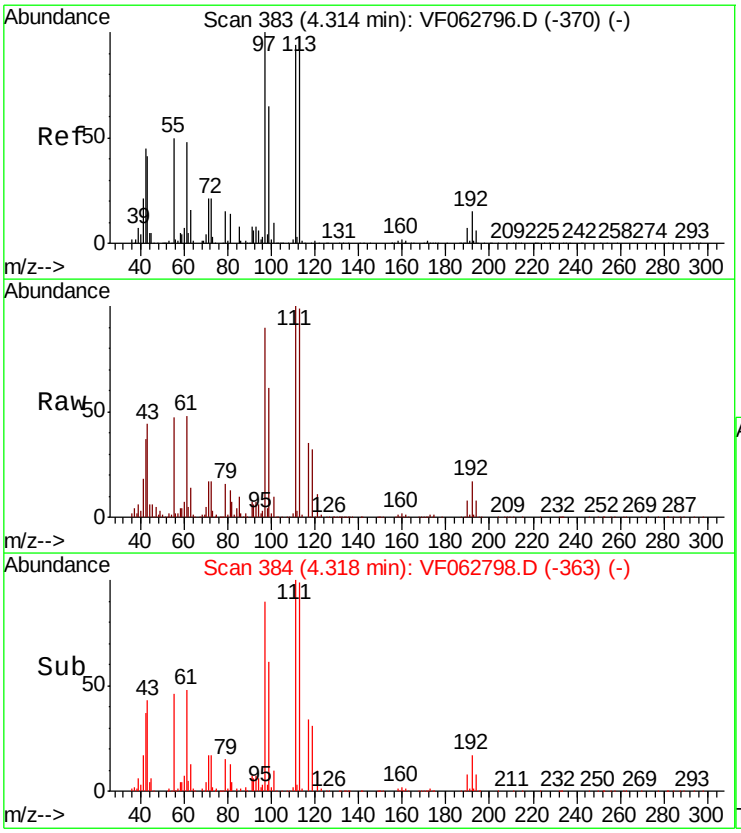

#31
Cyclohexane
Concen: 52.675 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 56 Resp: 921497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.5 | 26.7 | 40.1 |
| 84 | 92.4 | 74.3 | 111.5 |

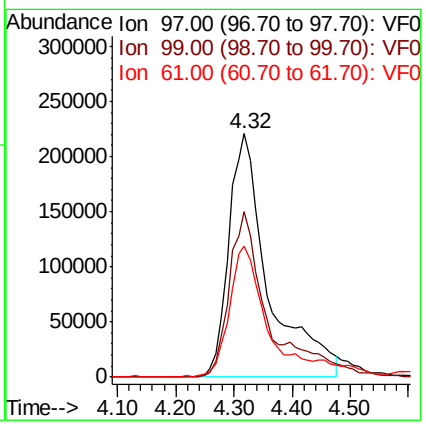


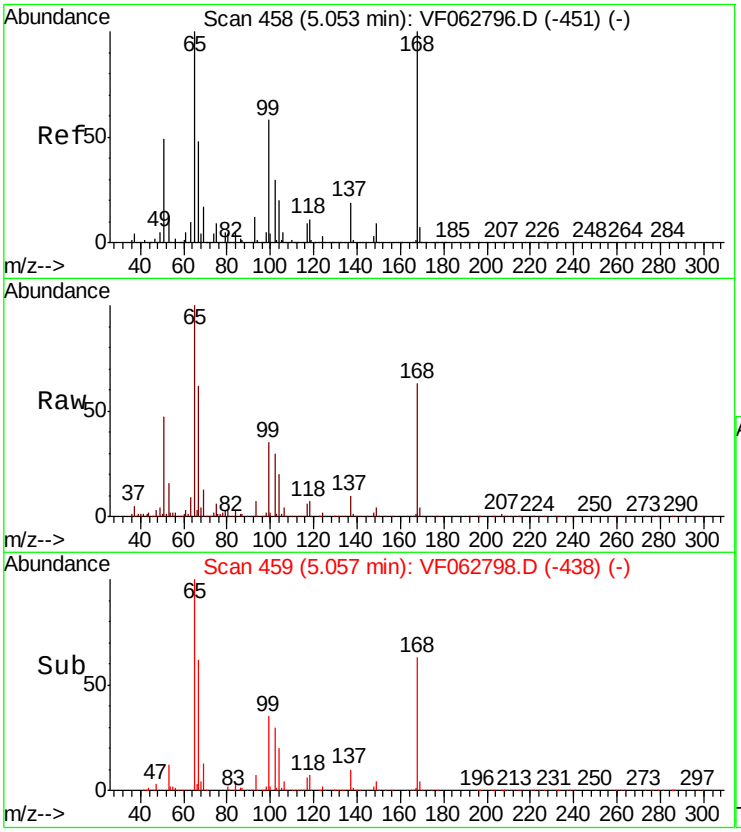




#32
1,1,1-Trichloroethane
Concen: 103.197 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 97 Resp: 1050330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 68.2 | 51.7 | 77.5 |
| 61 | 53.8 | 38.9 | 58.3 |



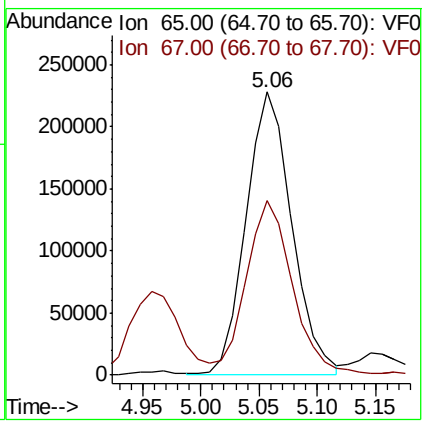


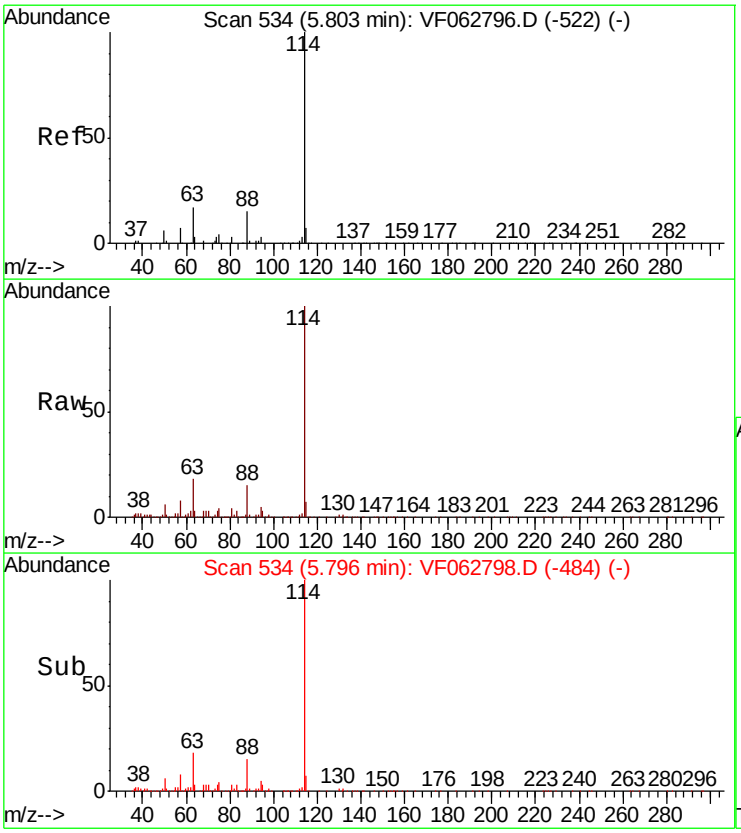

#33
1,2-Dichloroethane-d4
Concen: 97.106 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 65 Resp: 618693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 61.8 | 0.0 | 121.2 |

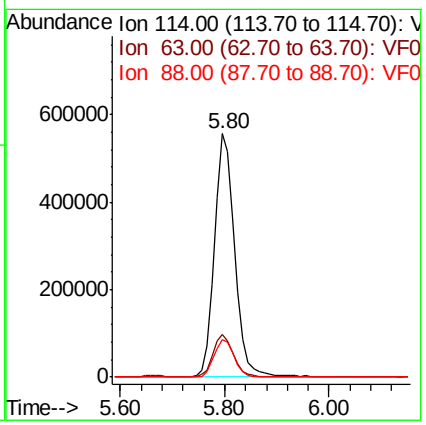


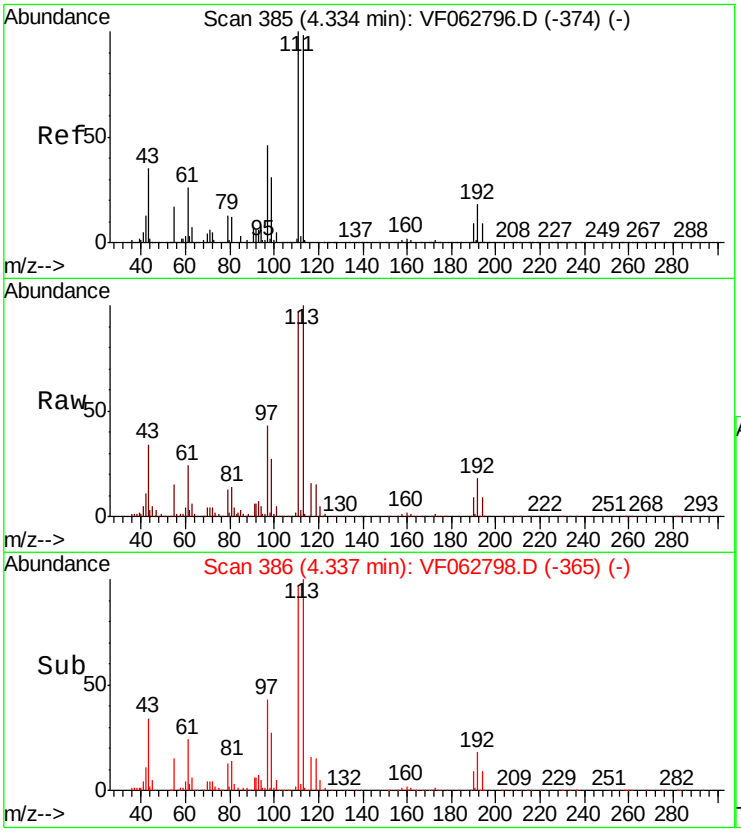




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:114 Resp: 1504989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.7 | 0.0 | 34.2 |
| 88 | 15.4 | 0.0 | 31.2 |



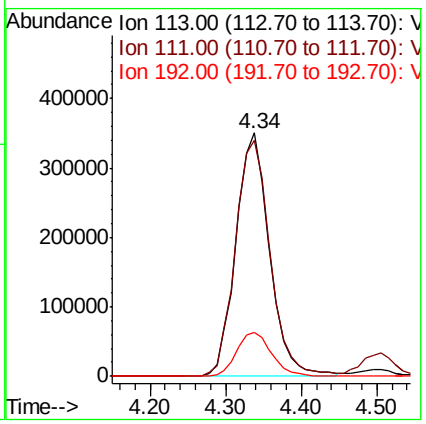


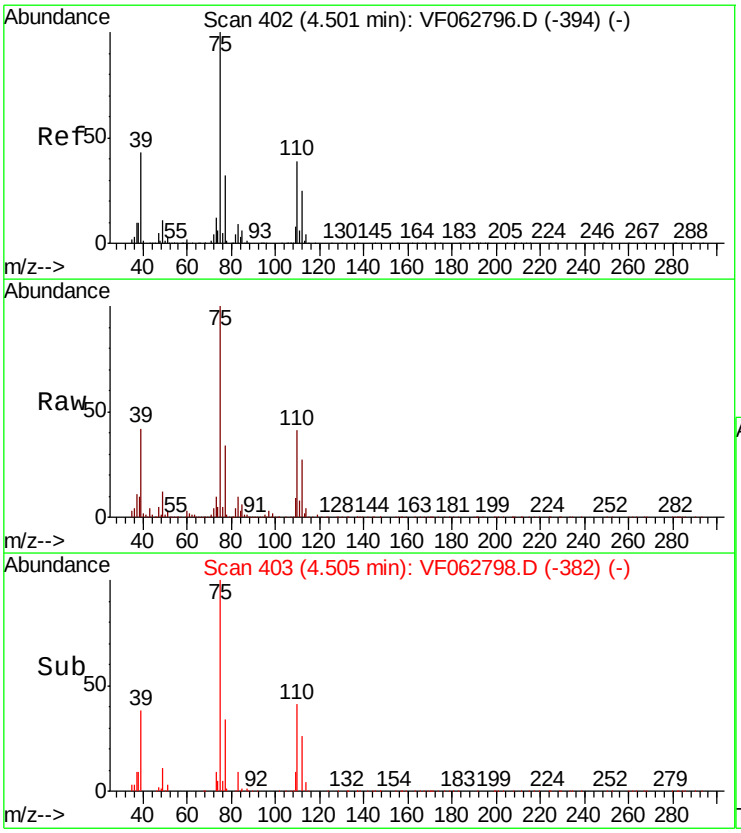

#35
Dibromofluoromethane
Concen: 92.620 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:113 Resp: 1082982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 96.7 | 81.9 | 122.9 |
| 192 | 17.8 | 15.1 | 22.7 |

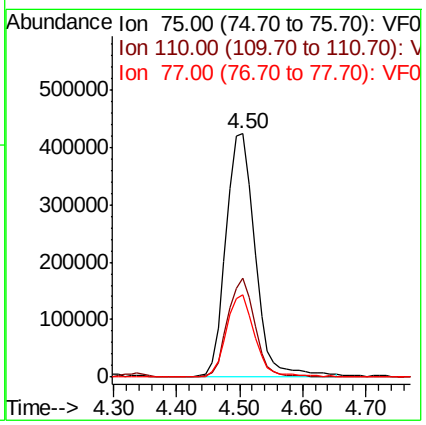


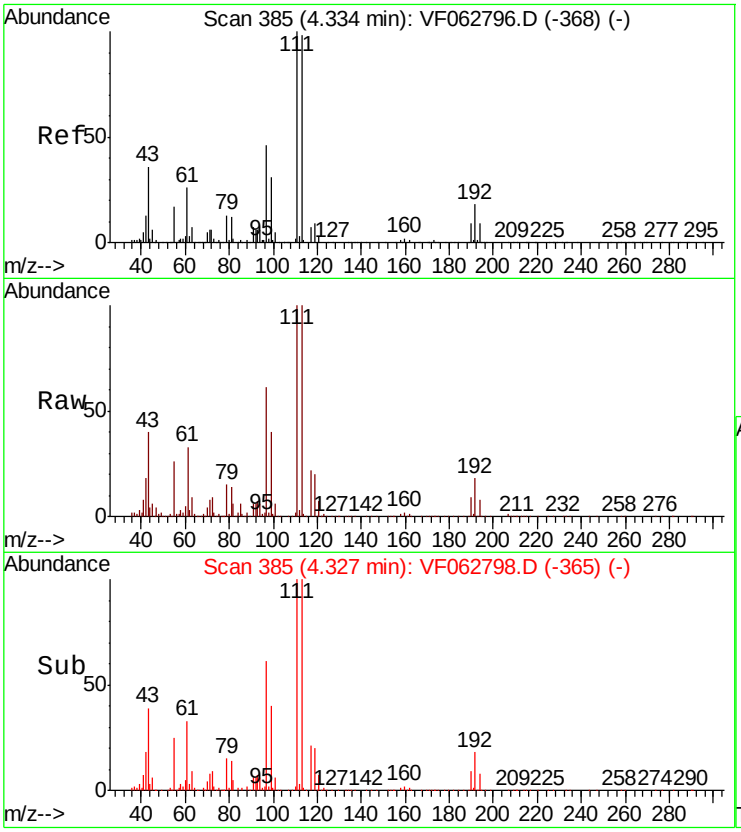




#36
1,1-Dichloropropene
Concen: 92.683 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 1359882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 40.9 | 19.4 | 58.1 |
| 77 | 33.8 | 25.4 | 38.2 |



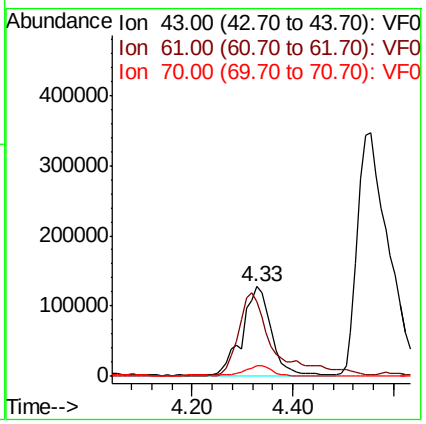


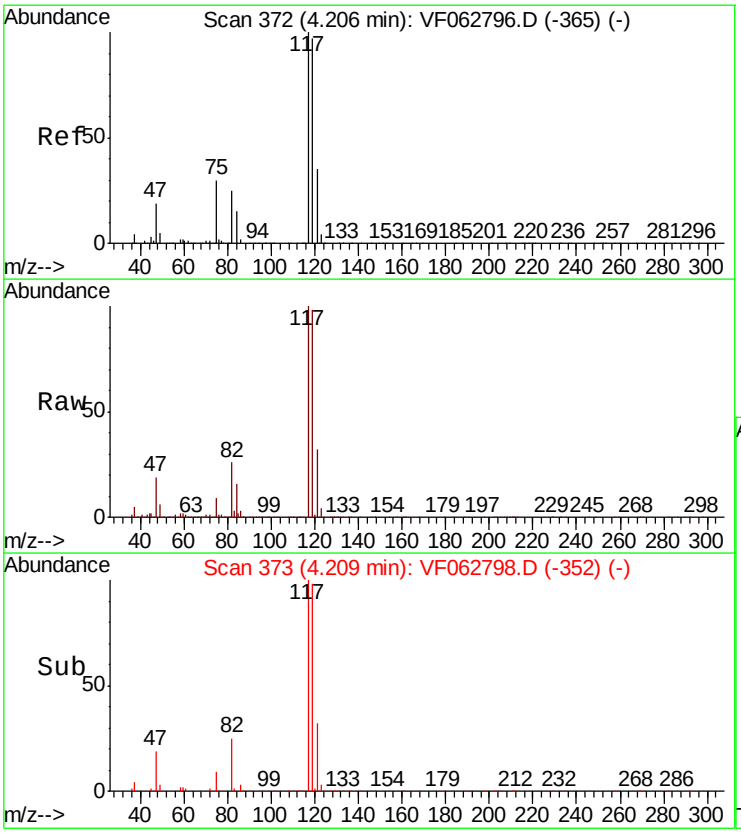

#37
Ethyl Acetate
Concen: 86.199 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 509701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 83.2 | 59.1 | 88.7 |
| 70 | 11.3 | 10.1 | 15.1 |

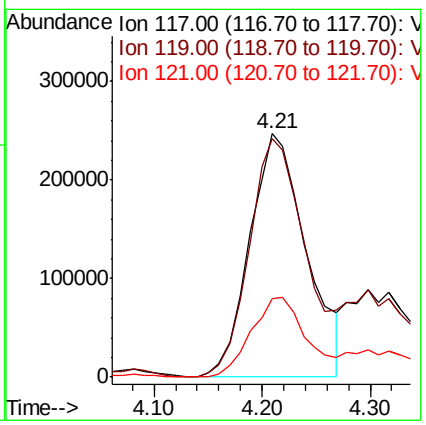


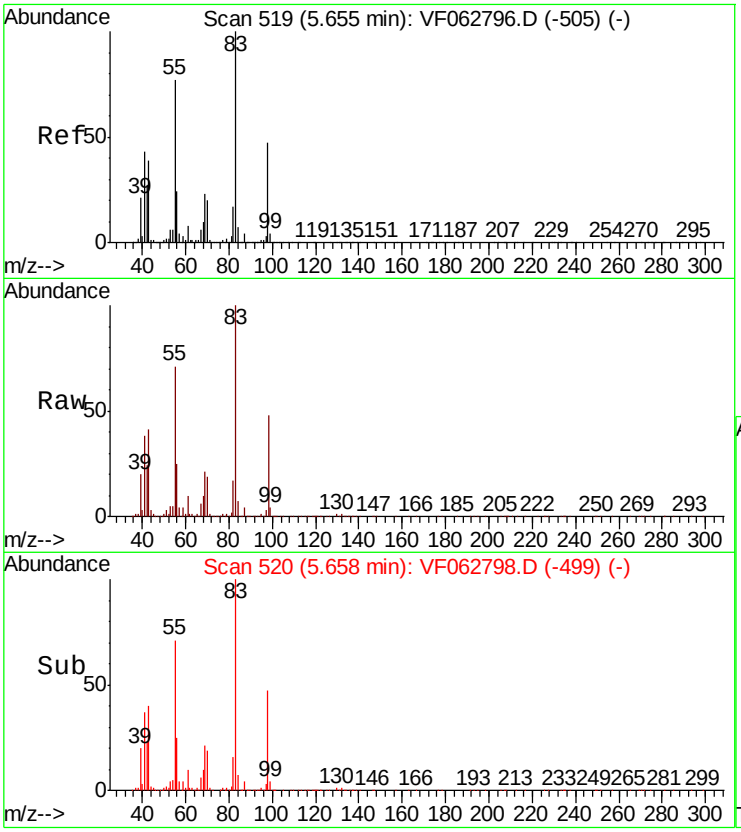




#38
Carbon Tetrachloride
Concen: 91.299 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:117 Resp: 896497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.0 | 78.2 | 117.2 |
| 121 | 32.2 | 28.2 | 42.2 |



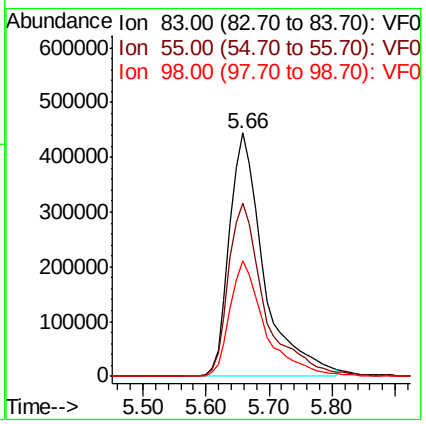


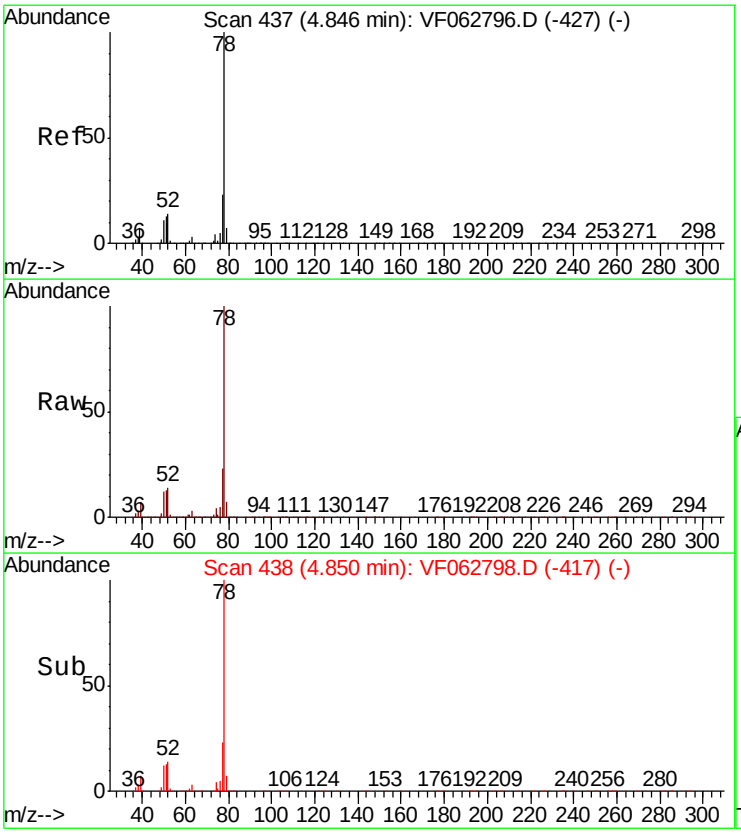

#39
Methylcyclohexane
Concen: 94.450 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 83 Resp: 1689595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.2 | 61.6 | 92.4 |
| 98 | 47.5 | 37.4 | 56.2 |

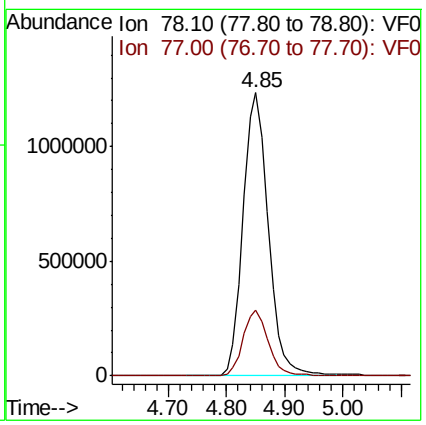


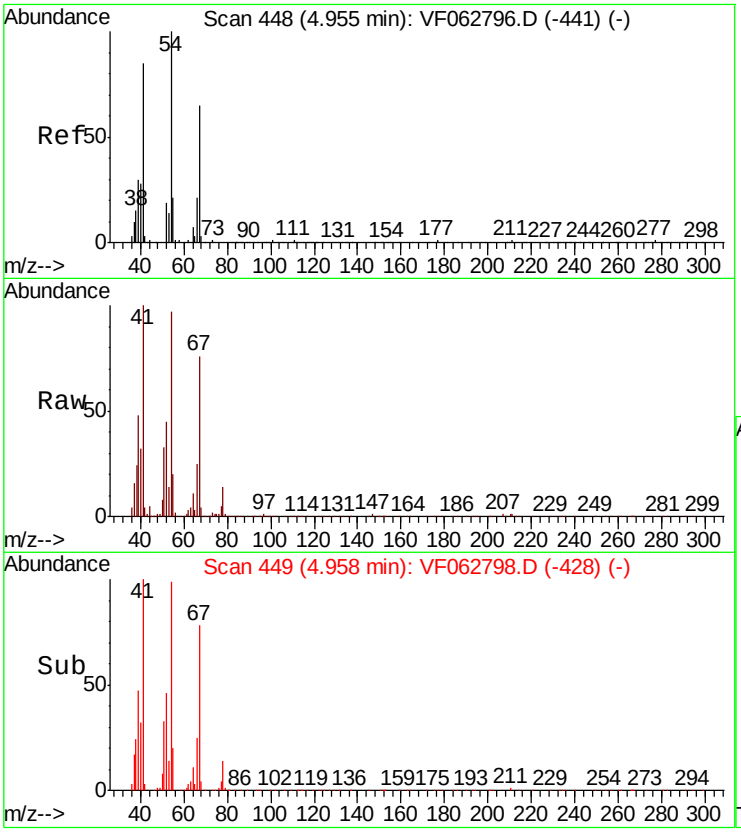




#40
Benzene
Concen: 86.226 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 78 Resp: 3732548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 18.9 | 28.3 |



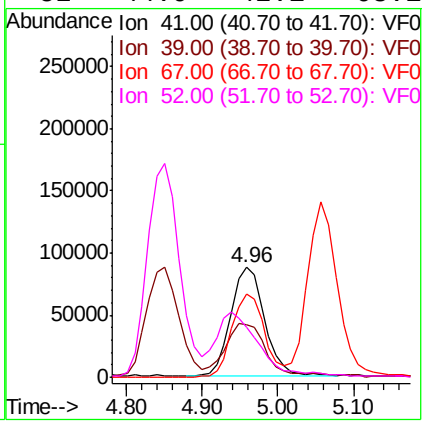


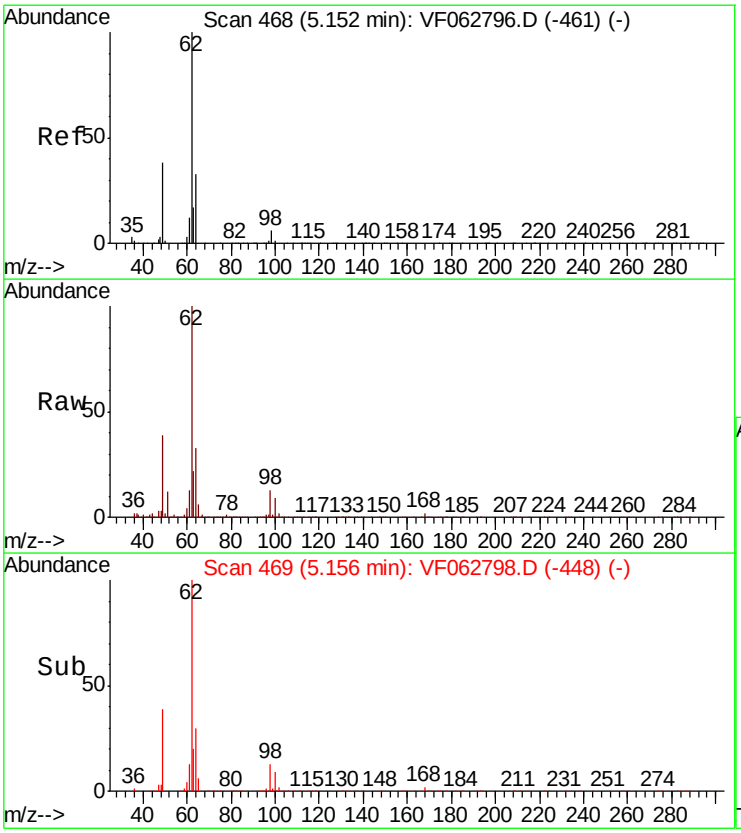

#41
Methacrylonitrile
Concen: 84.091 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 41 Resp: 270064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 47.8 | 42.0 | 63.0 |
| 67 | 76.3 | 61.4 | 92.0 |
| 52 | 44.9 | 42.1 | 63.1 |

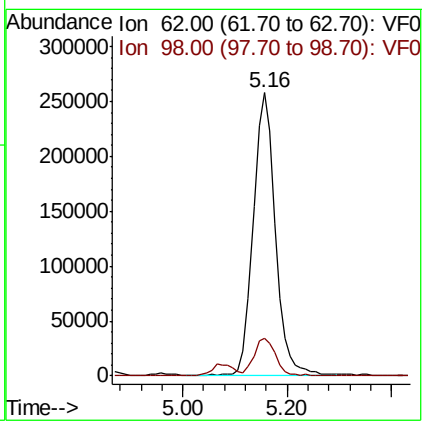


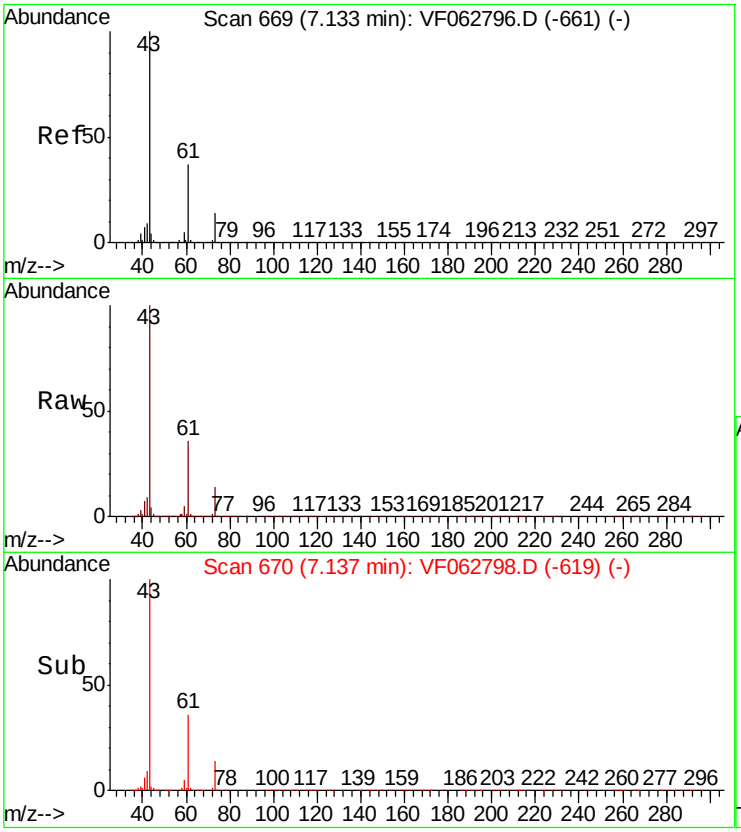




#42
1,2-Dichloroethane
Concen: 92.861 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 62 Resp: 747084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 13.4 | 0.0 | 24.0 |



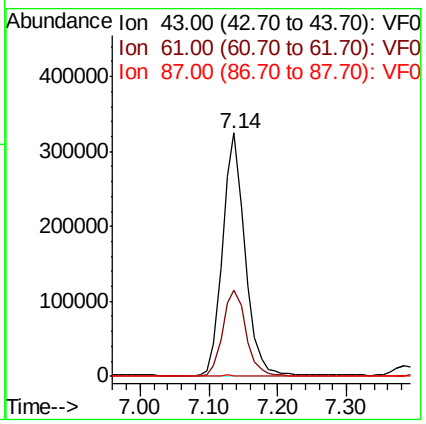


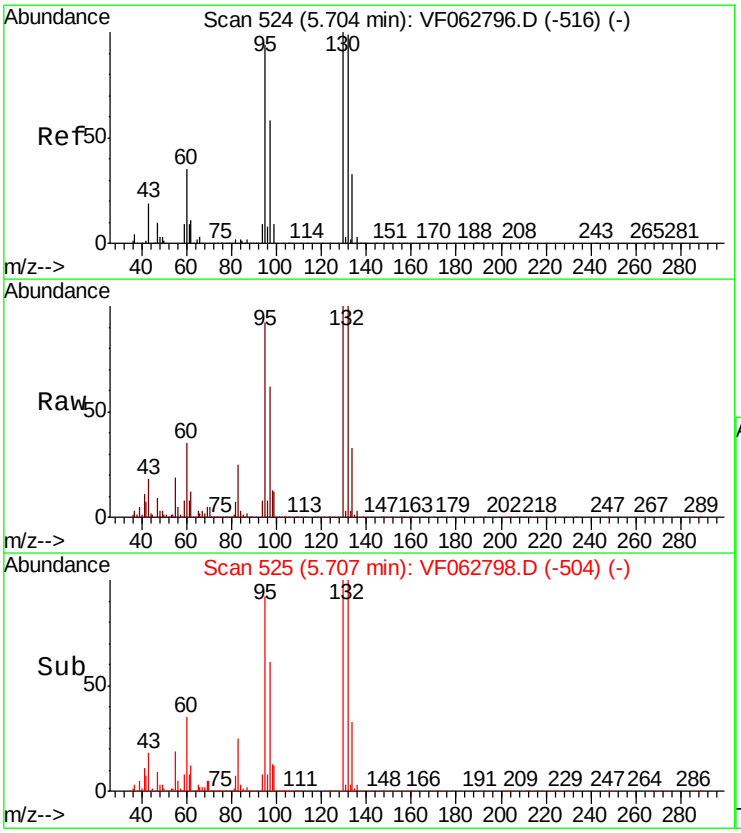

#43
Isopropyl Acetate
Concen: 98.974 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 725353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 35.6 | 29.8 | 44.6 |
| 87 | 0.4 | 0.3 | 0.5 |

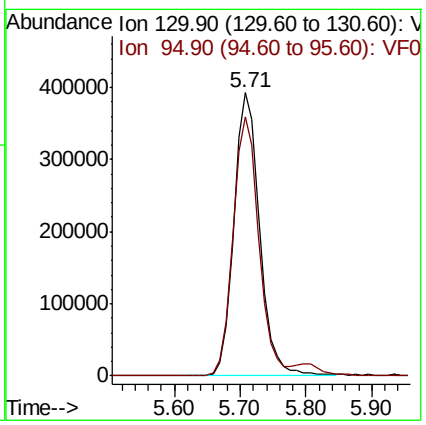


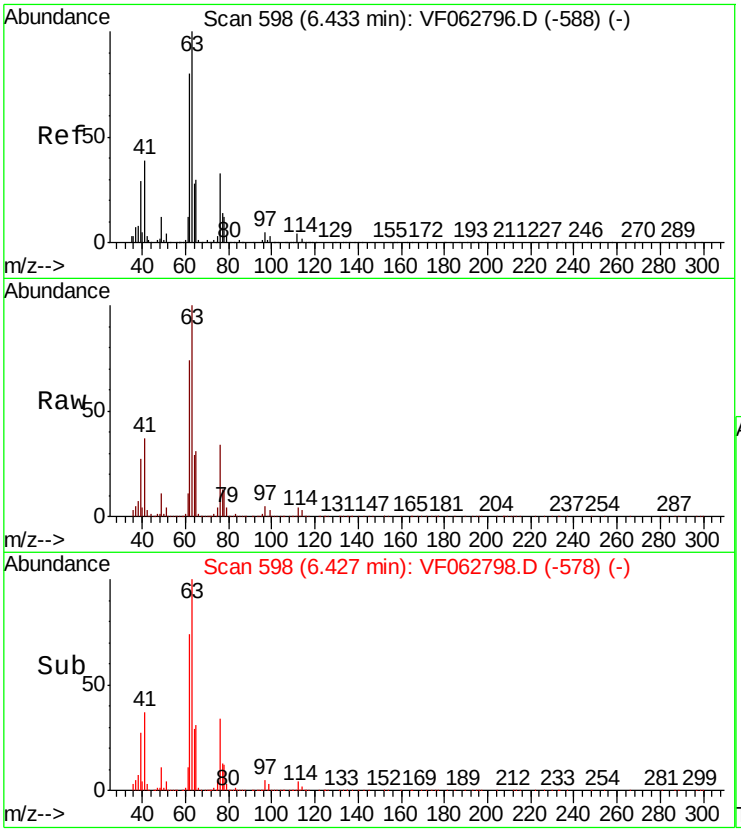




#44
Trichloroethene
Concen: 88.952 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:130 Resp: 1078745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 91.7 | 0.0 | 188.2 |



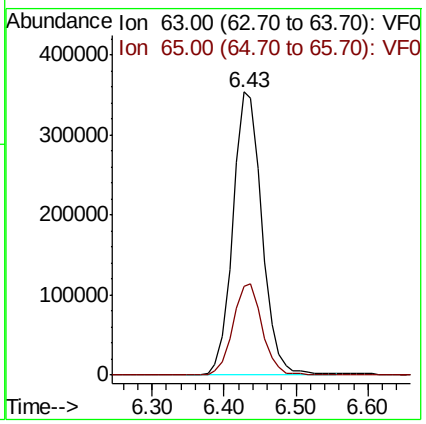


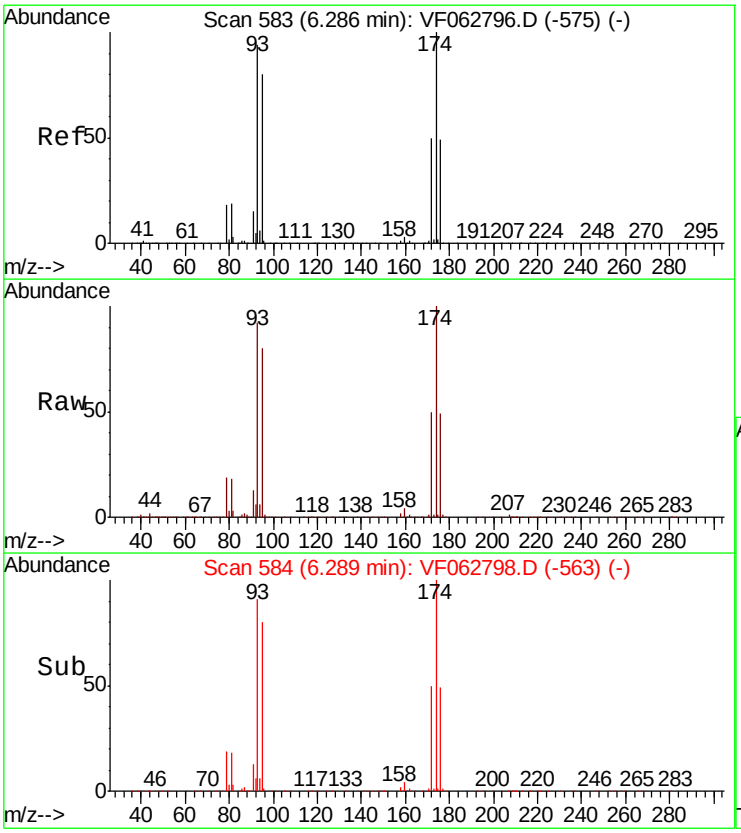

#45
1,2-Dichloropropane
Concen: 93.847 ug/l
RT: 6.43 min Scan# 598
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 63 Resp: 1000281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.2 | 36.2 |

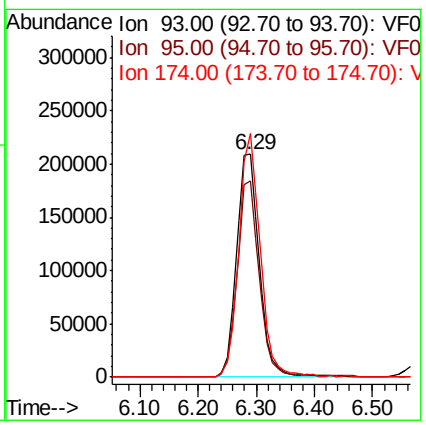


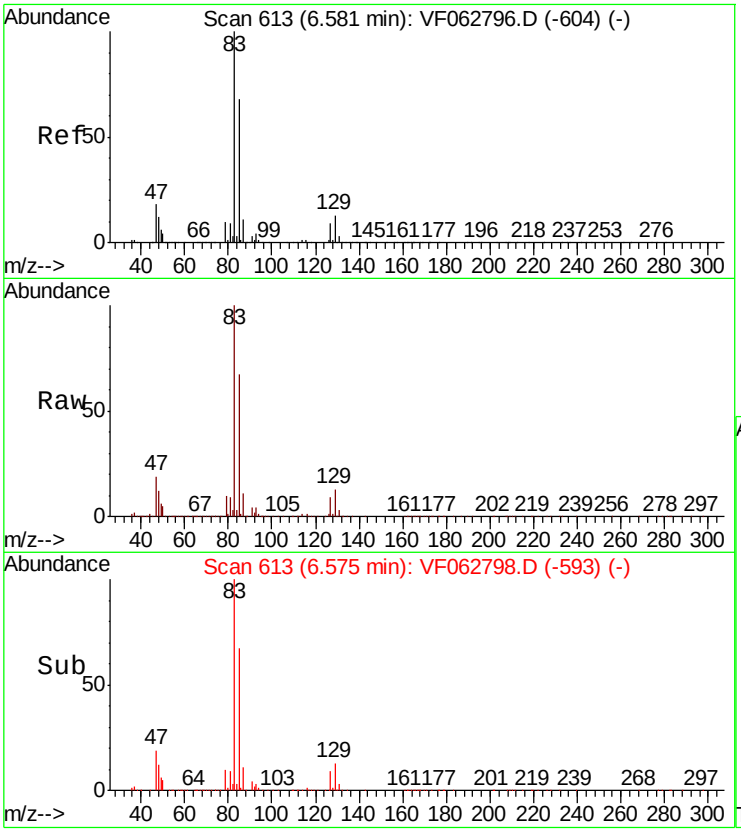




#46
Dibromomethane
Concen: 91.713 ug/l
RT: 6.29 min Scan# 584
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 93 Resp: 568260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 87.9 | 67.9 | 101.9 |
| 174 | 109.2 | 85.0 | 127.4 |



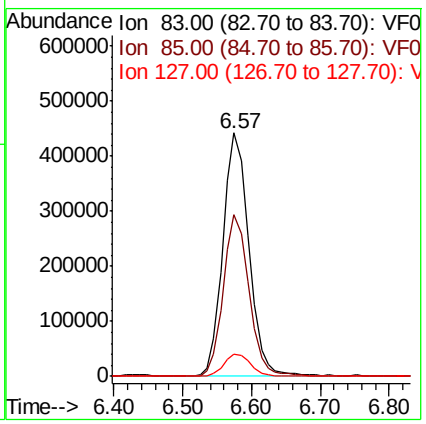


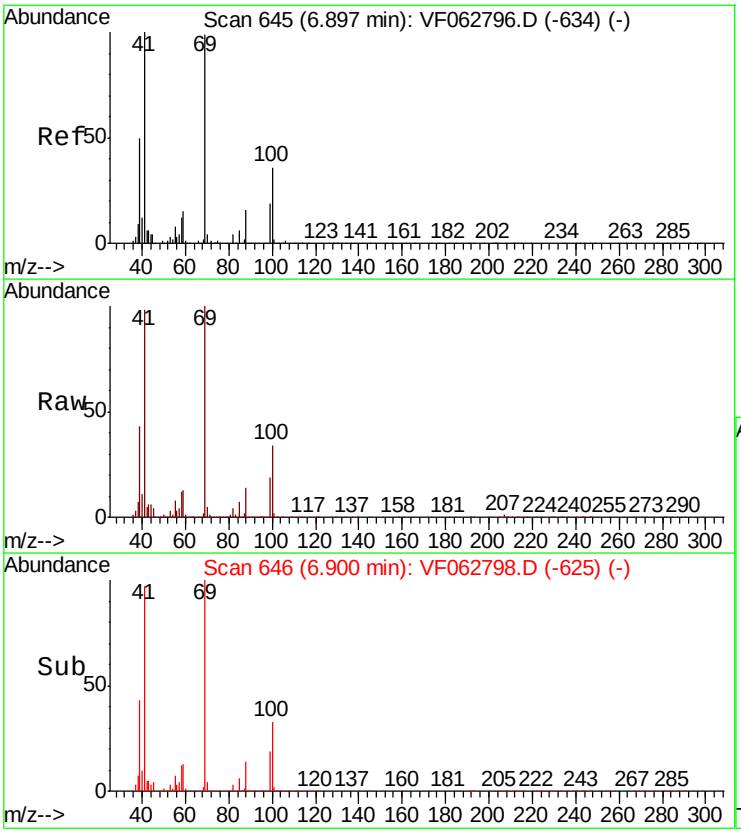

#47
Bromodichloromethane
Concen: 91.796 ug/l
RT: 6.57 min Scan# 613
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 83 Resp: 1158728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.6 | 54.2 | 81.4 |
| 127 | 9.1 | 7.0 | 10.4 |

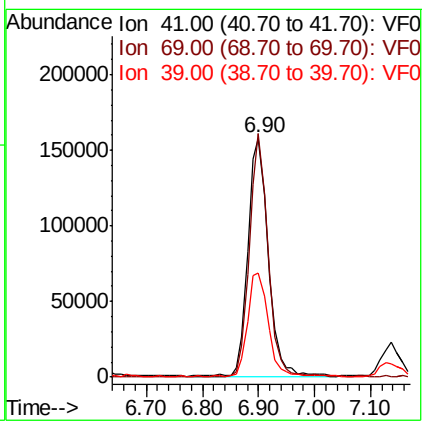


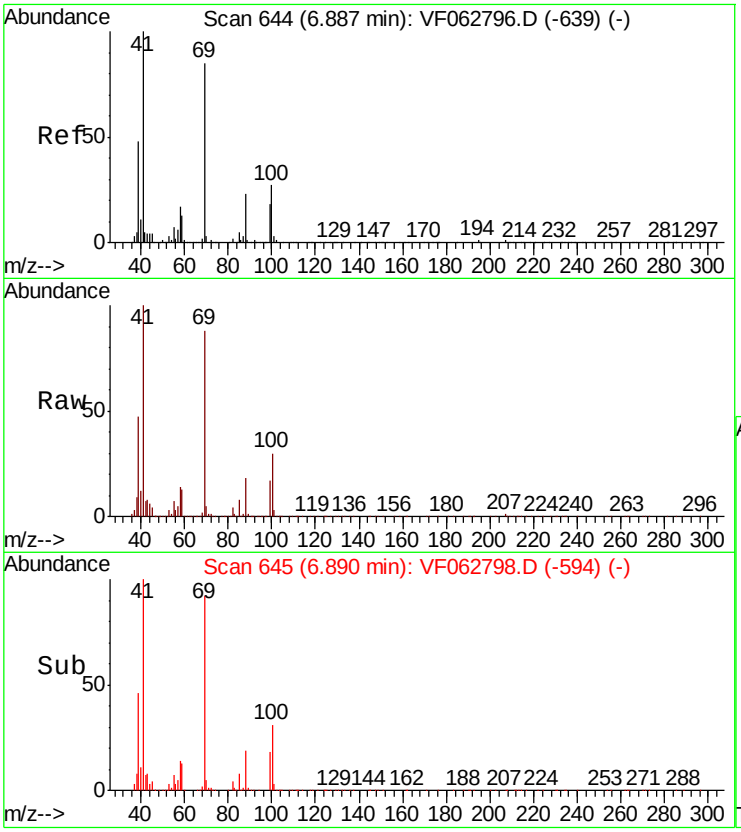




#48
Methyl methacrylate
Concen: 106.554 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 41 Resp: 398079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 101.9 | 79.4 | 119.2 |
| 39 | 43.8 | 39.8 | 59.6 |



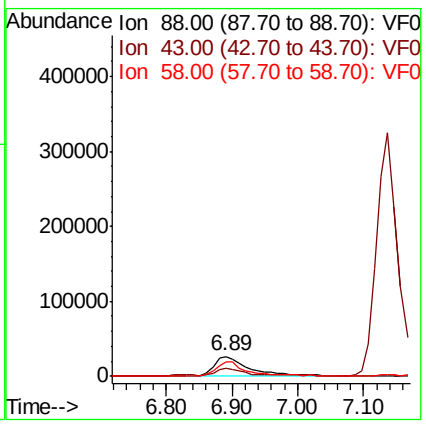


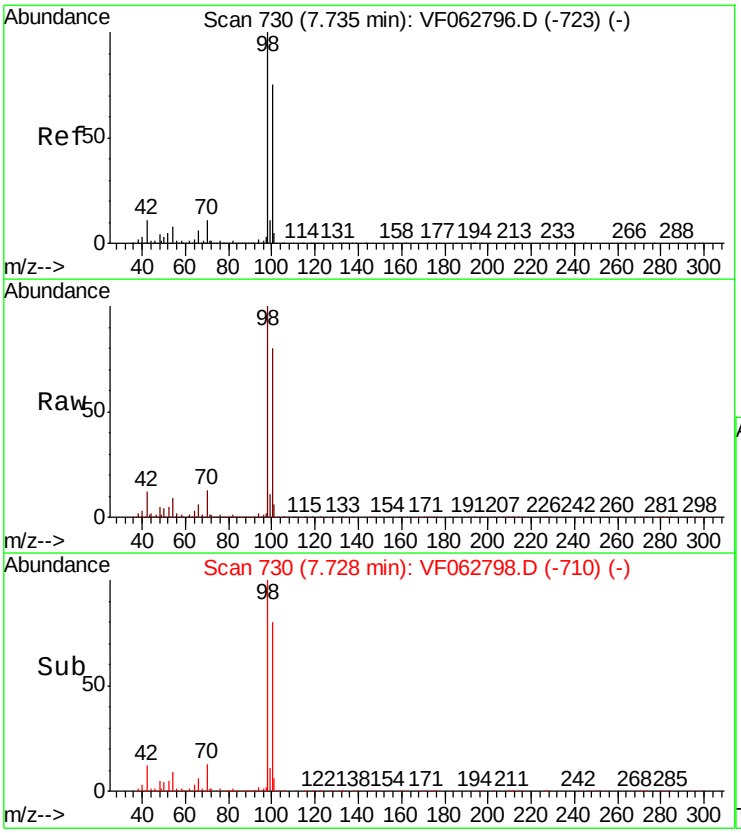

#49
1,4-Dioxane
Concen: 2228.769 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 88 Resp: 100427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.1 | 34.8 | 52.2 |
| 58 | 73.4 | 59.9 | 89.9 |

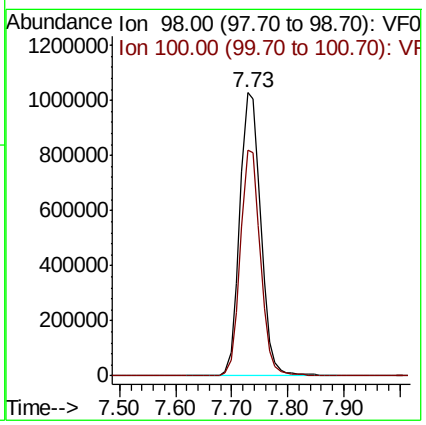


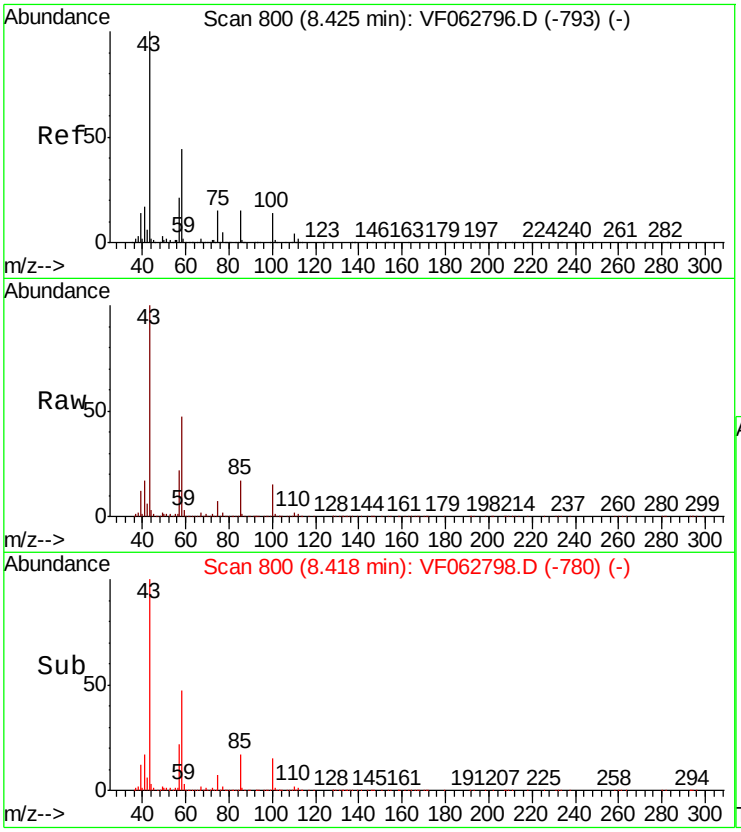




#50
Toluene-d8
Concen: 88.293 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 98 Resp: 2679198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 79.6 | 59.8 | 89.8 |



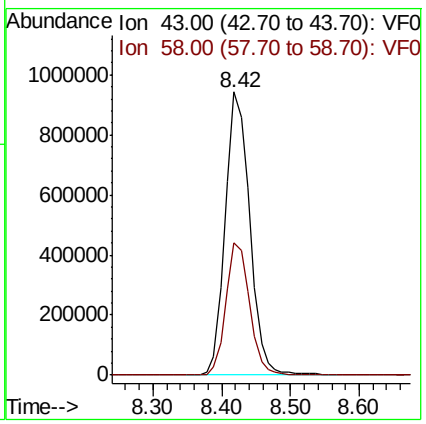


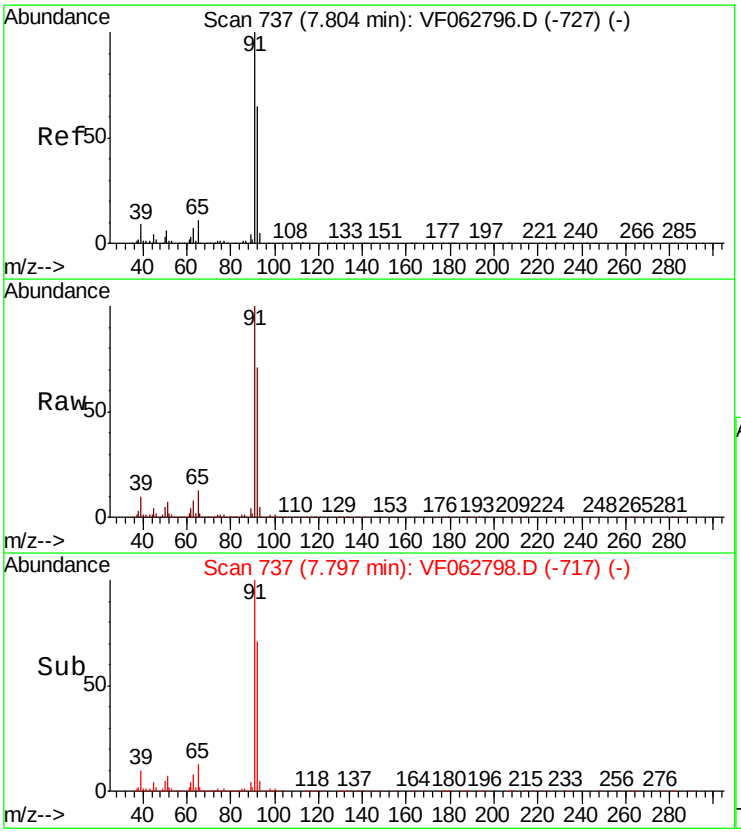

#51
4-Methyl-2-Pentanone
Concen: 411.919 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 2322023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 46.6 | 35.5 | 53.3 |

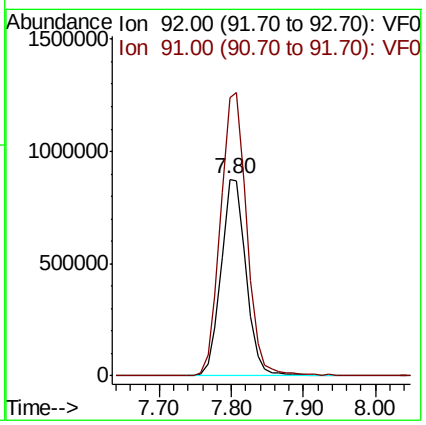


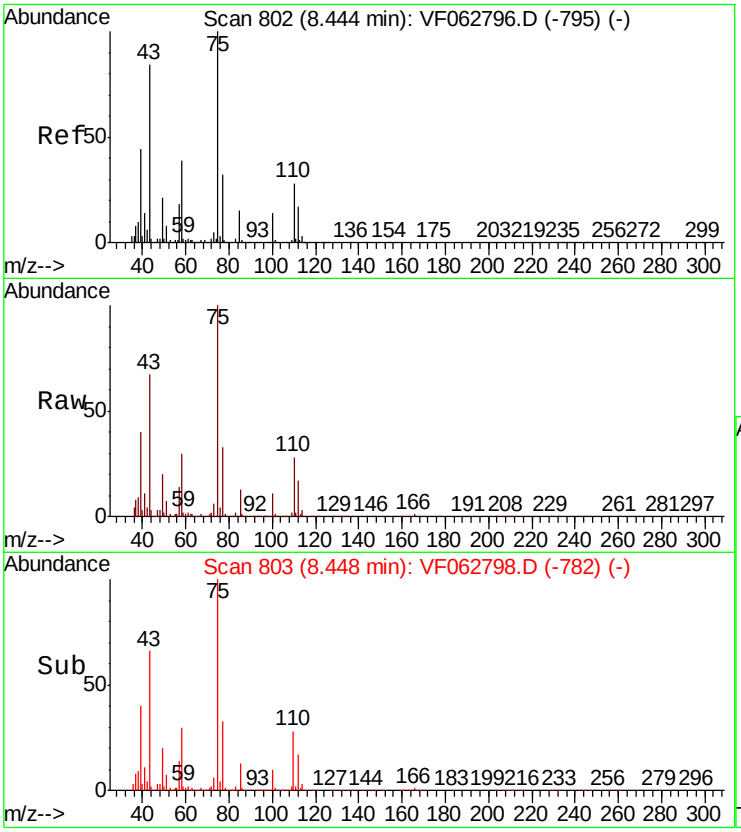




#52
Toluene
Concen: 92.833 ug/l
RT: 7.80 min Scan# 737
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 92 Resp: 2103199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 141.6 | 123.2 | 184.8 |



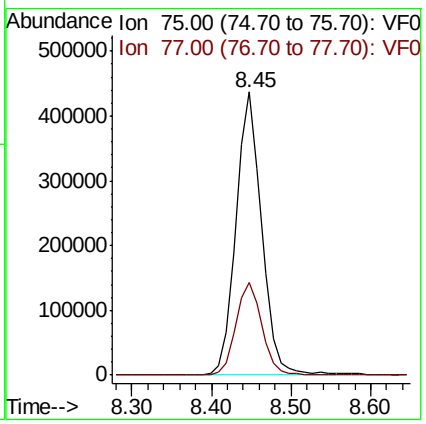


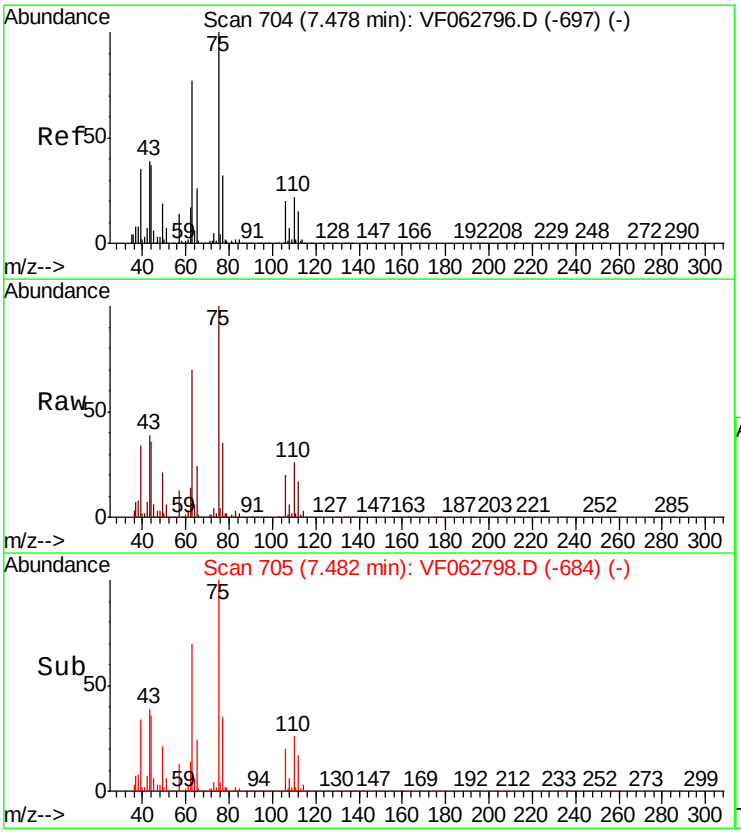

#53
t-1,3-Dichloropropene
Concen: 93.067 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 75 Resp: 972488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 25.7 | 38.5 |

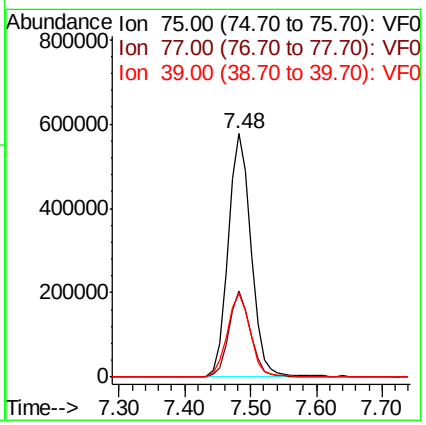


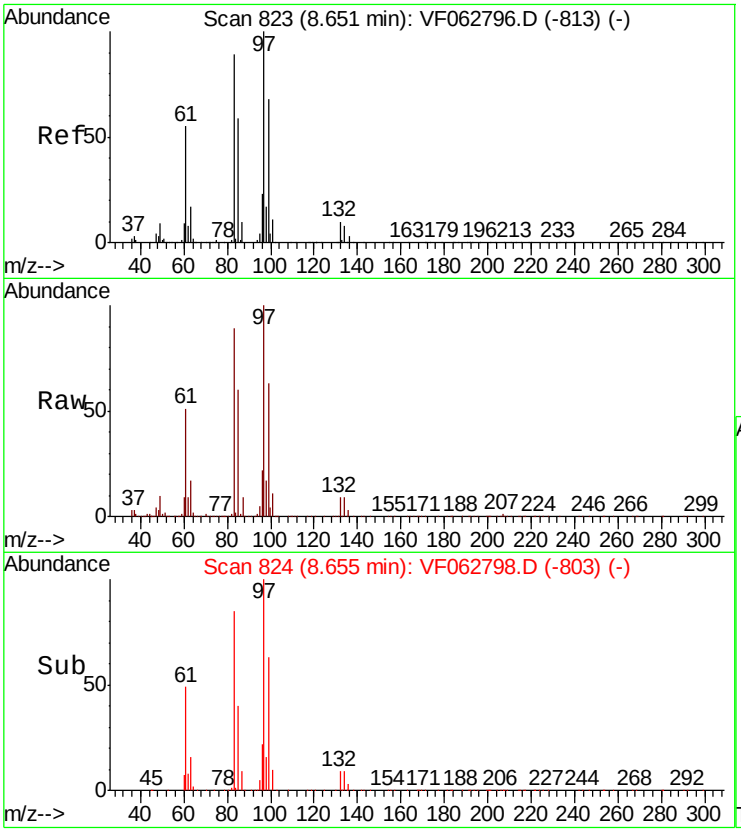




#54
cis-1,3-Dichloropropene
Concen: 93.883 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 1419885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.3 | 25.8 | 38.8 |
| 39 | 34.5 | 28.4 | 42.6 |



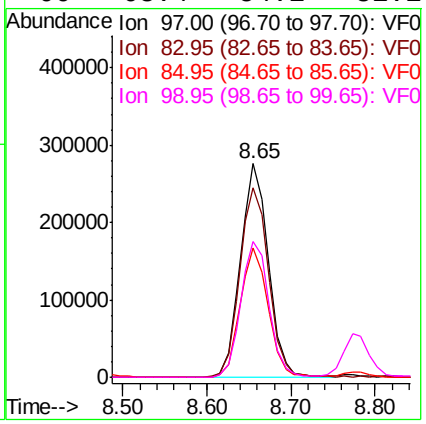


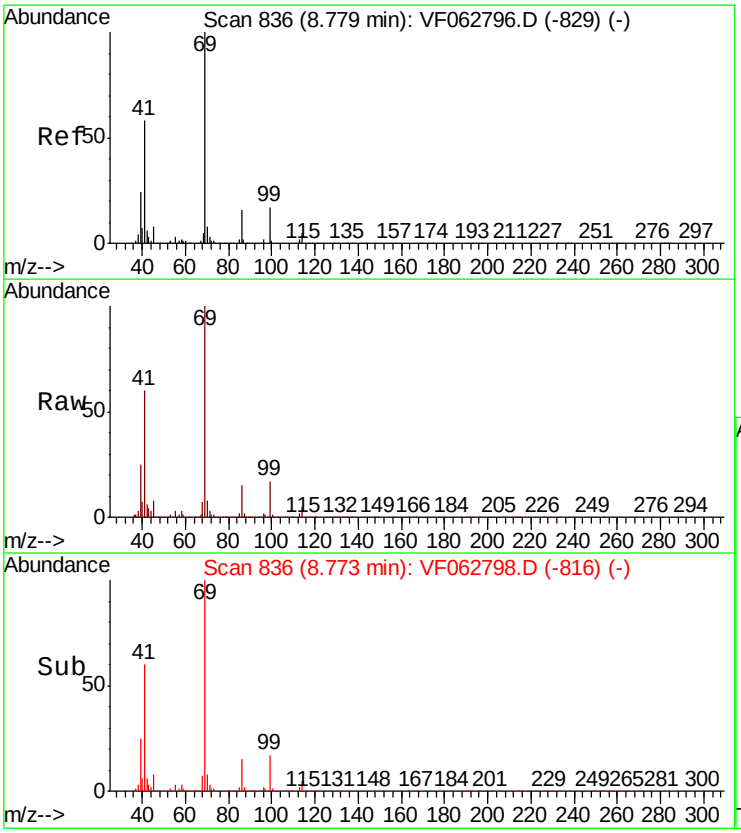

#55
1,1,2-Trichloroethane
Concen: 92.021 ug/l
RT: 8.65 min Scan# 824
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 97 Resp: 638197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.9 | 72.0 | 108.0 |
| 85 | 60.3 | 47.5 | 71.3 |
| 99 | 63.4 | 54.1 | 81.1 |

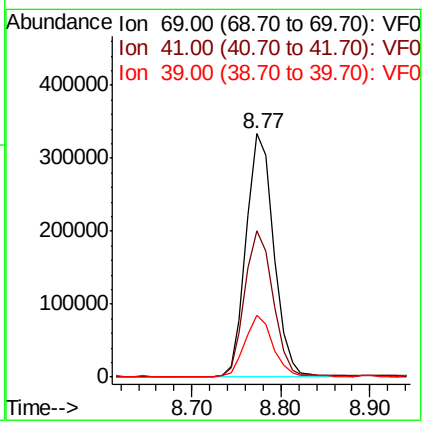


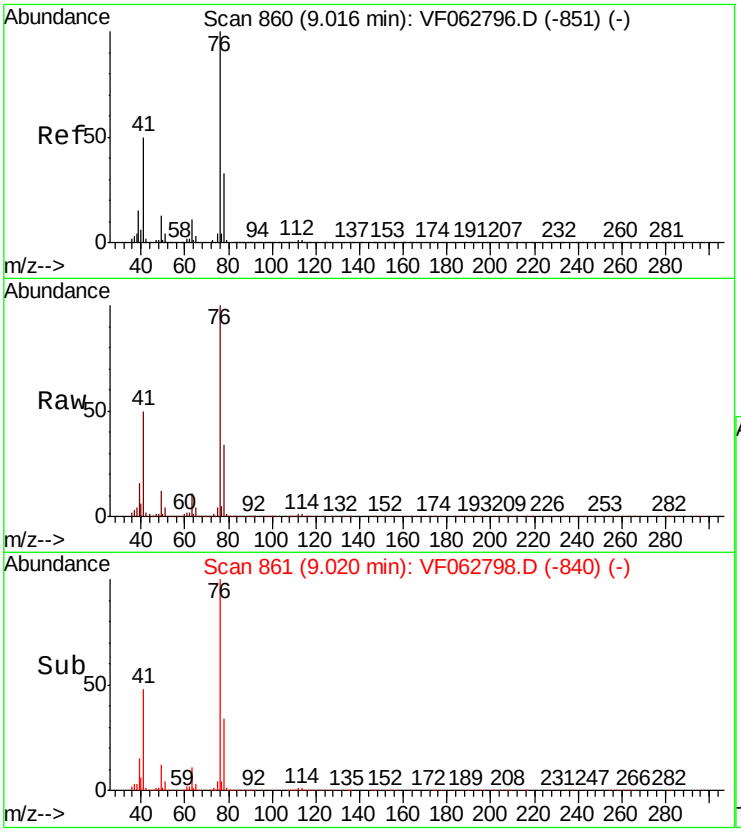




#56
Ethyl methacrylate
Concen: 100.692 ug/l
RT: 8.77 min Scan# 836
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 69 Resp: 716361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 60.1 | 46.6 | 69.8 |
| 39 | 25.4 | 19.6 | 29.4 |



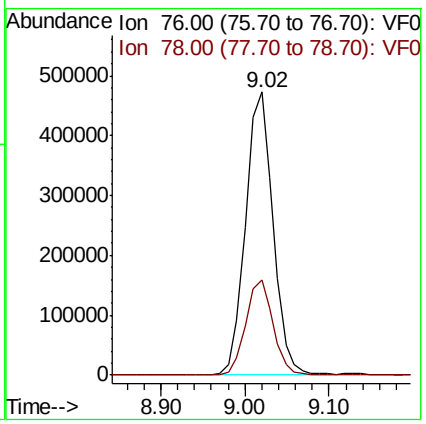


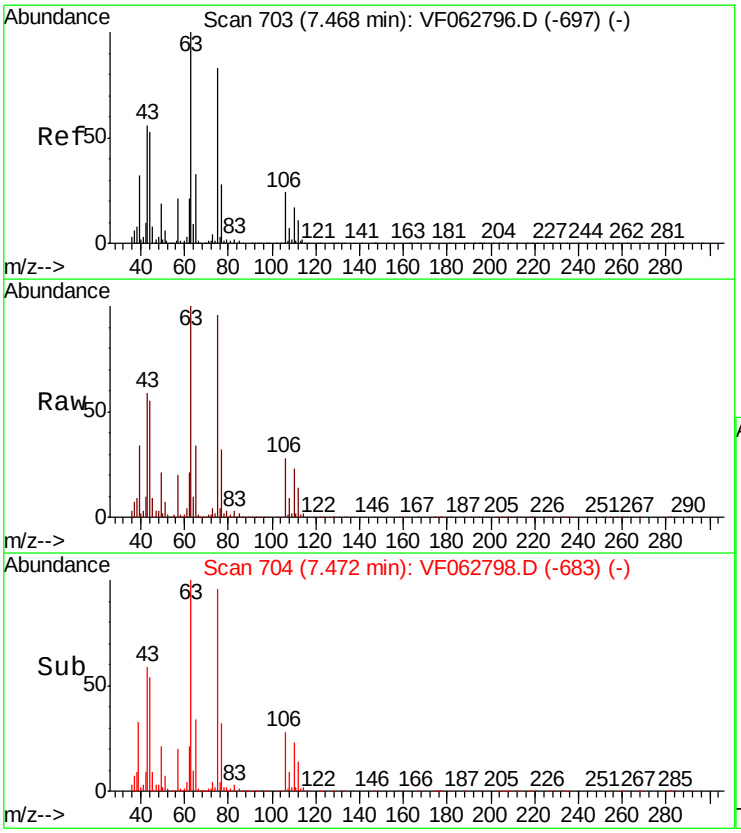

#57
1,3-Dichloropropane
Concen: 96.401 ug/l
RT: 9.02 min Scan# 861
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 76 Resp: 1087749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.6 | 26.8 | 40.2 |

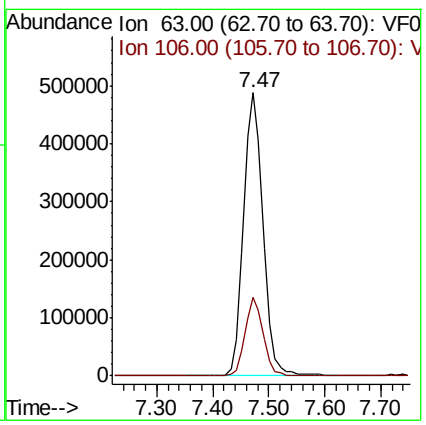


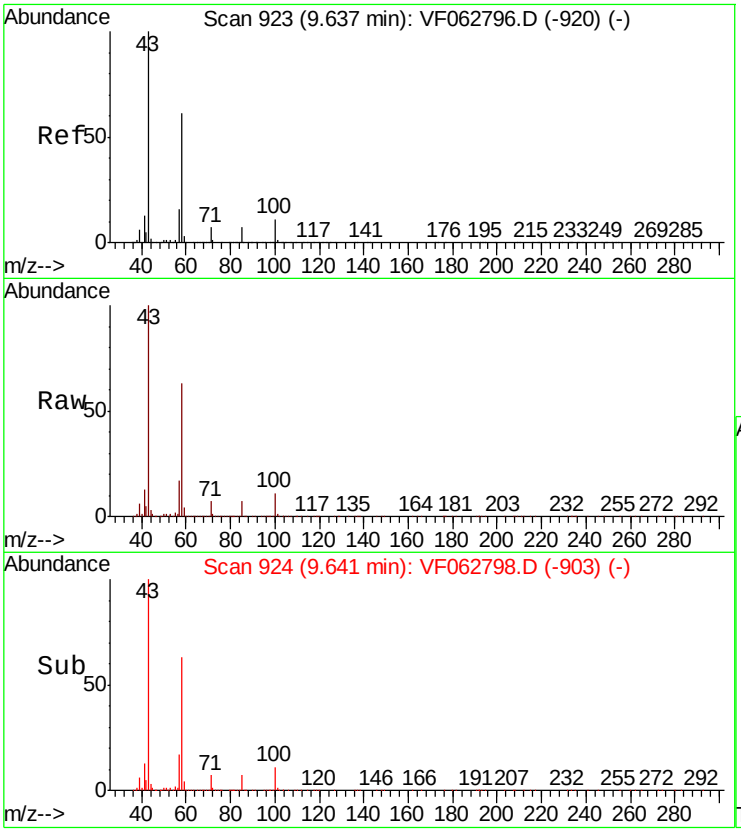




#58
2-Chloroethyl Vinyl ether
Concen: 464.625 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 63 Resp: 1170630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 19.5 | 29.3 |



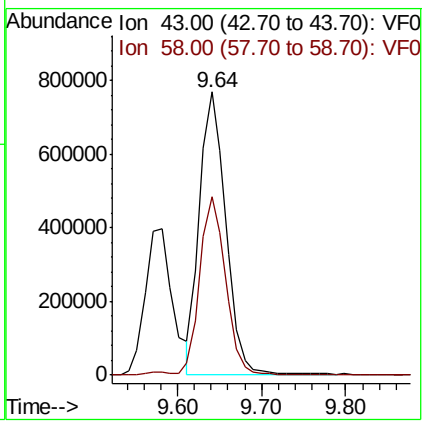


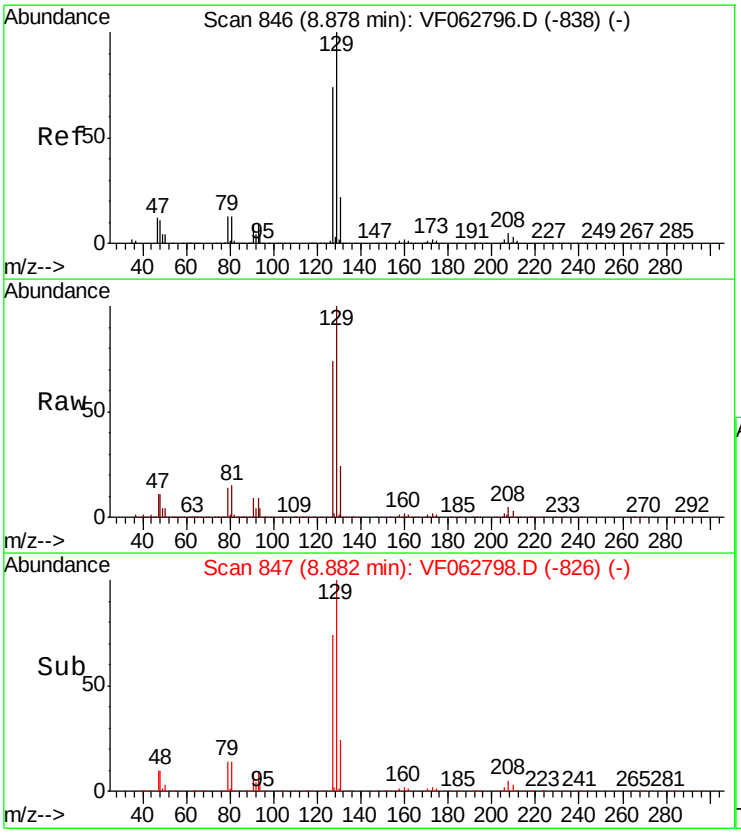

#59
2-Hexanone
Concen: 420.473 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 43 Resp: 1658384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 63.2 | 29.3 | 87.9 |

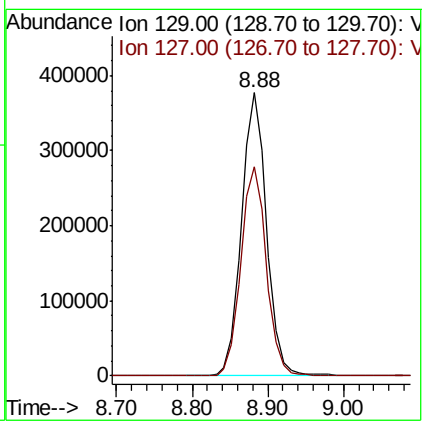


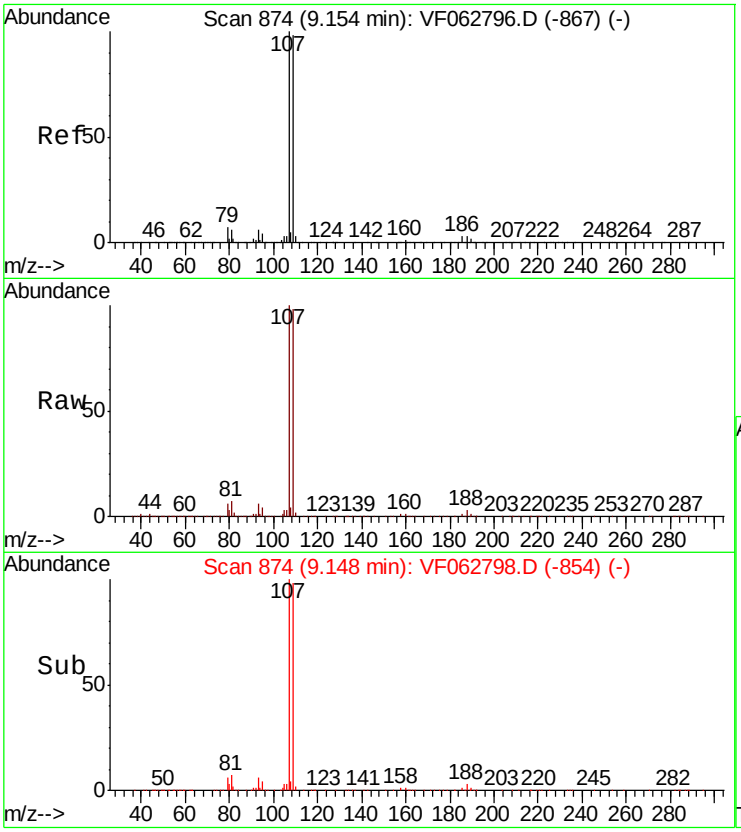




#60
Dibromochloromethane
Concen: 103.066 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:129 Resp: 862252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 74.0 | 37.1 | 111.3 |



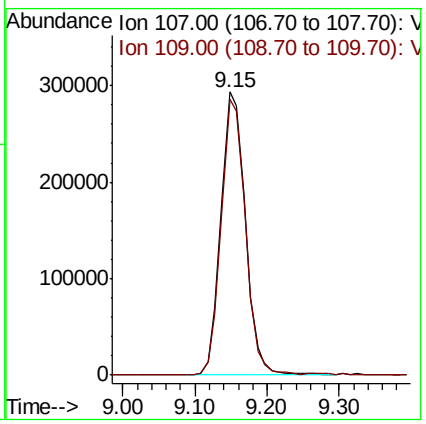


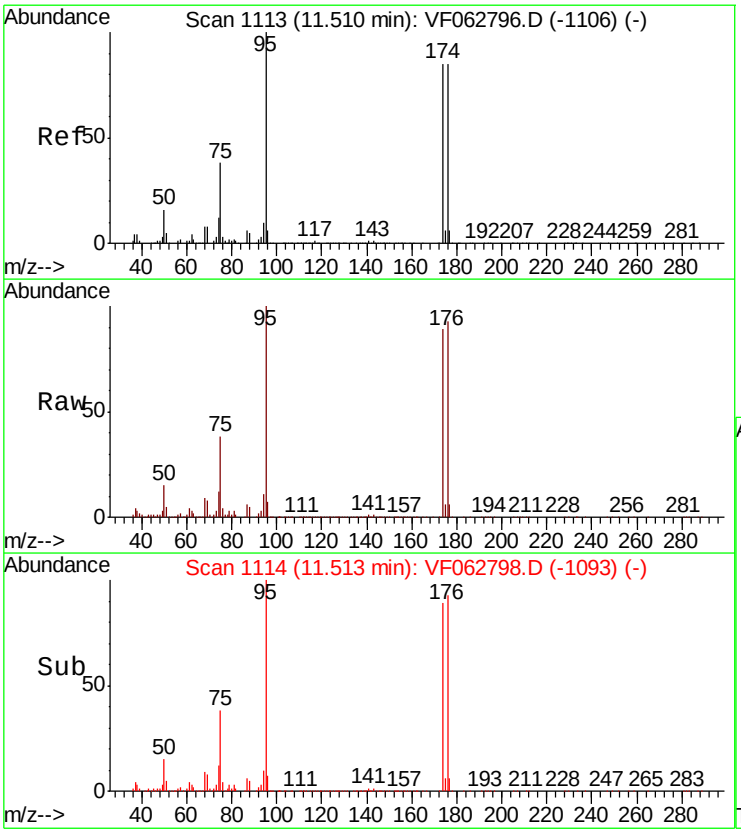

#61
1,2-Dibromoethane
Concen: 101.270 ug/l
RT: 9.15 min Scan# 874
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:107 Resp: 693617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.6 | 78.1 | 117.1 |

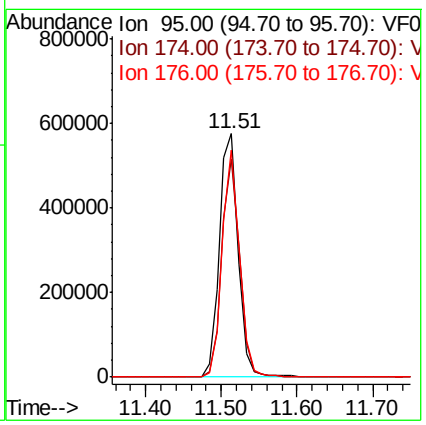


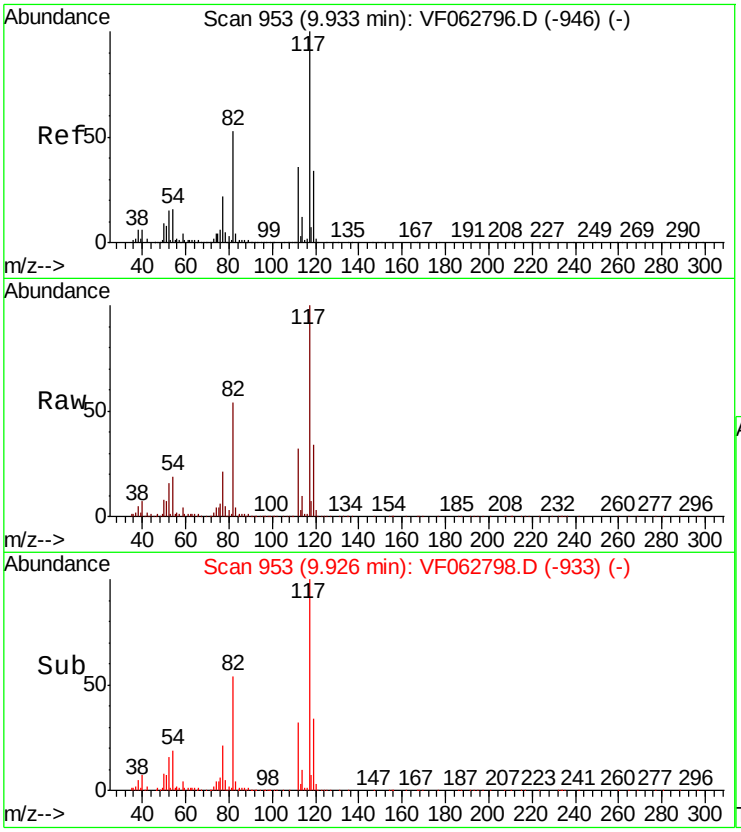




#62
4-Bromofluorobenzene
Concen: 96.824 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 95 Resp: 1004906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.5 | 0.0 | 170.6 |
| 176 | 93.1 | 0.0 | 170.6 |



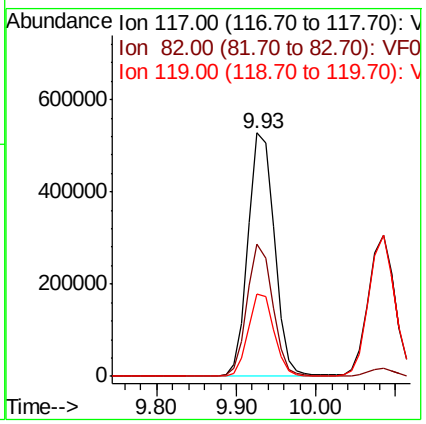


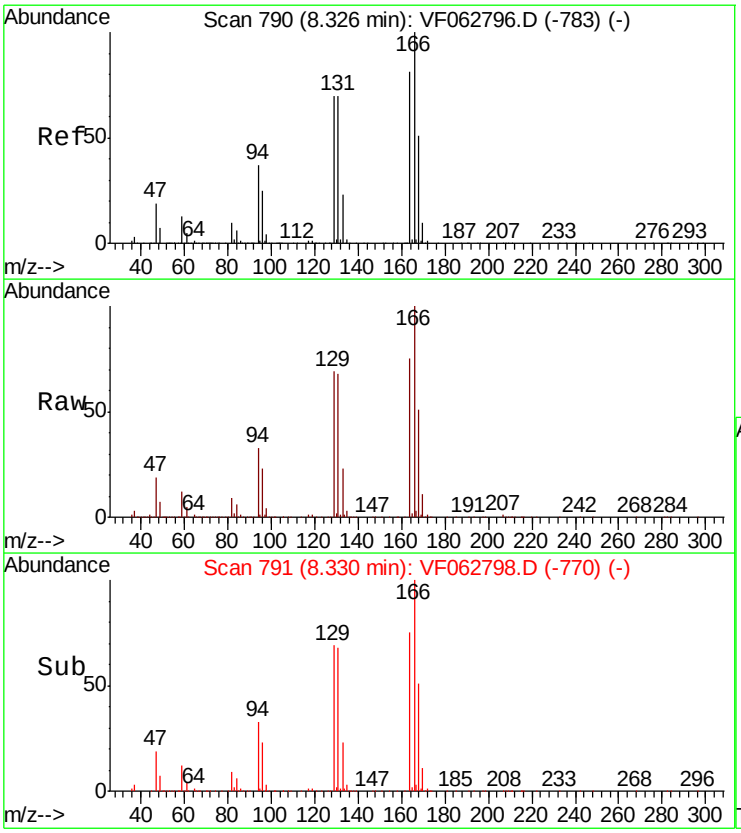

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:117 Resp: 1203733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.1 | 42.4 | 63.6 |
| 119 | 33.9 | 27.1 | 40.7 |

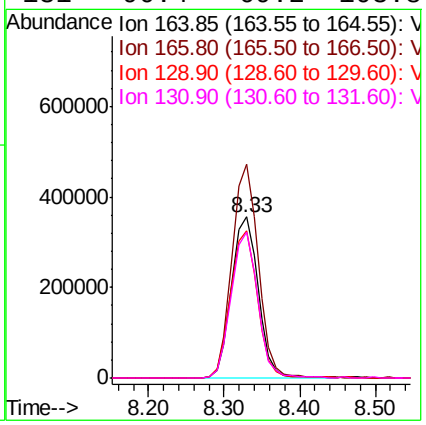


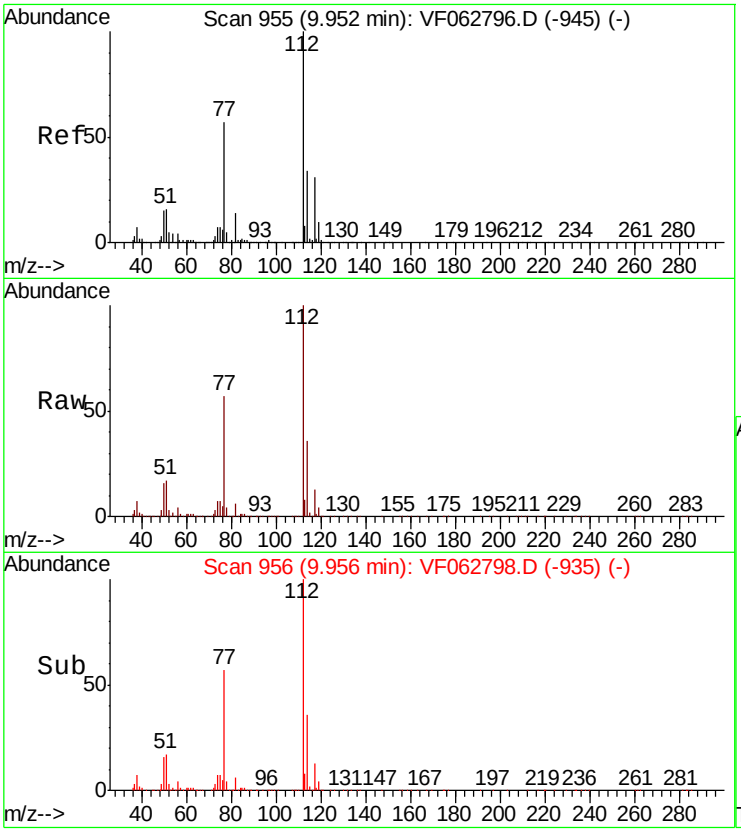




#64
Tetrachloroethene
Concen: 86.388 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:164 Resp: 867667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.5 | 99.1 | 148.7 |
| 129 | 91.2 | 69.5 | 104.3 |
| 131 | 90.4 | 69.2 | 103.8 |



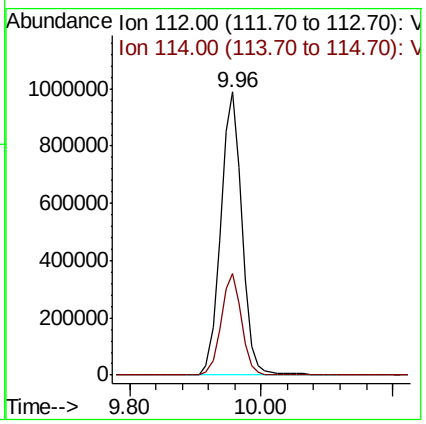


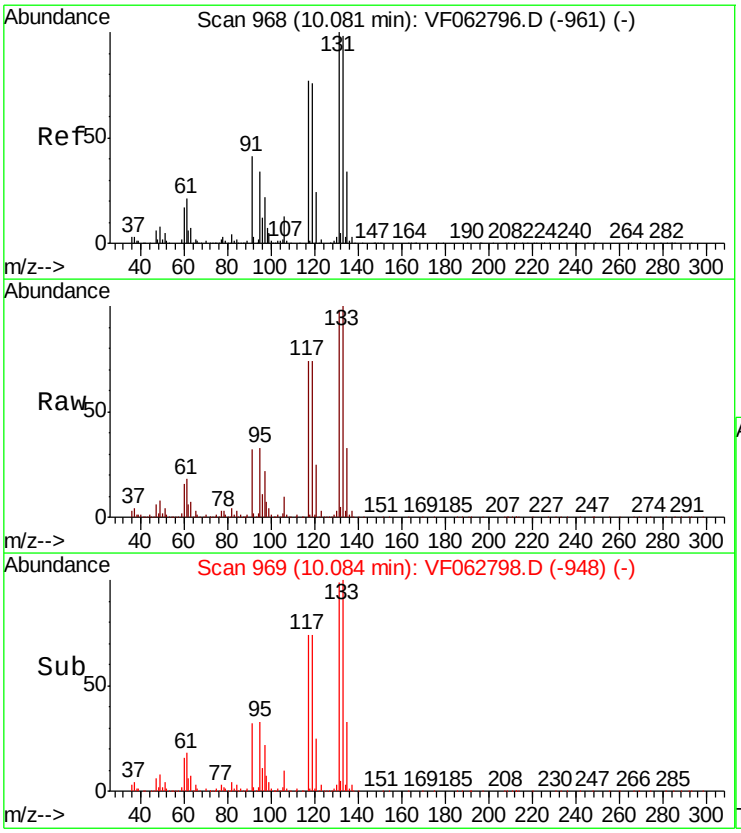

#65
Chlorobenzene
Concen: 91.470 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:112 Resp: 2232668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 35.8 | 27.4 | 41.0 |

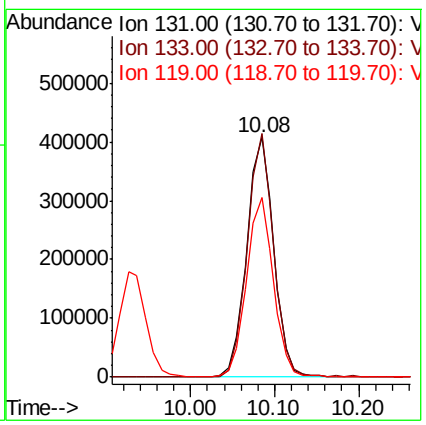


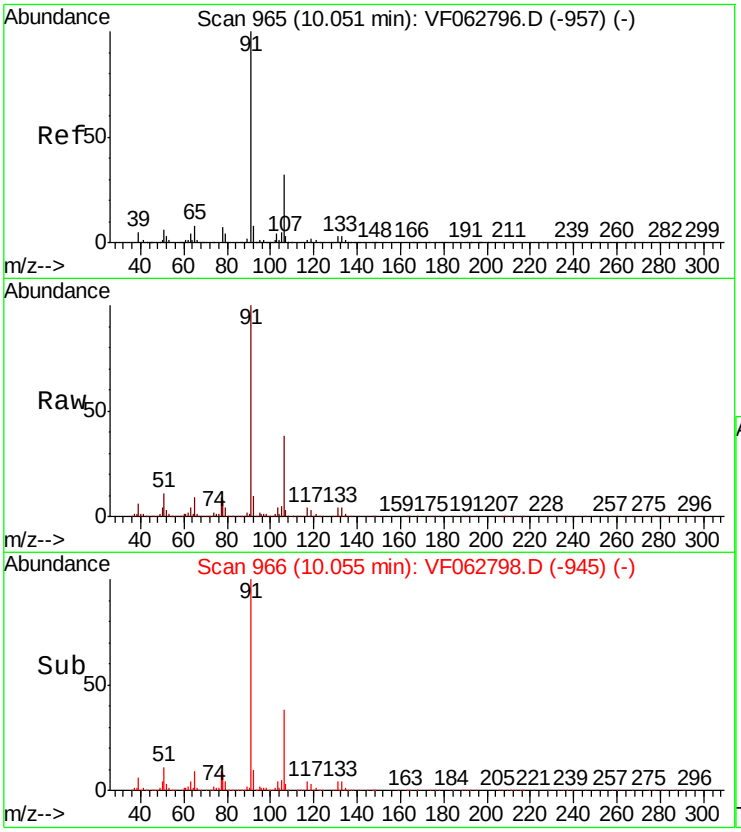




#66
1,1,1,2-Tetrachloroethane
Concen: 96.393 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:131 Resp: 919085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 101.6 | 48.9 | 146.7 |
| 119 | 74.8 | 38.0 | 114.0 |



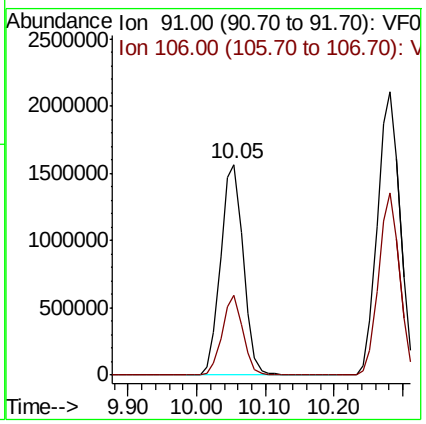


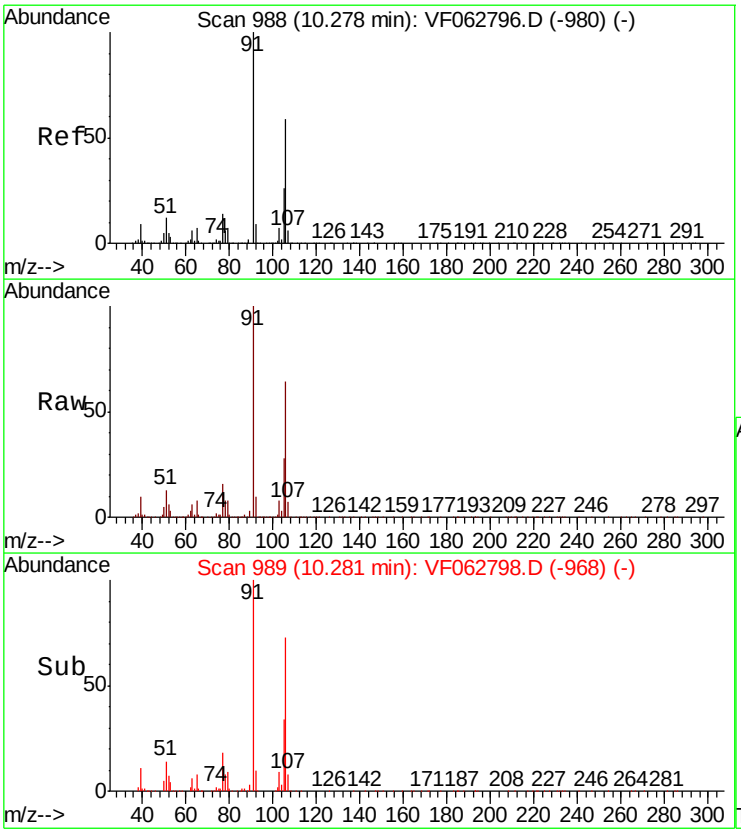

#67
Ethyl Benzene
Concen: 84.264 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 91 Resp: 3585071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 38.0 | 26.0 | 39.0 |

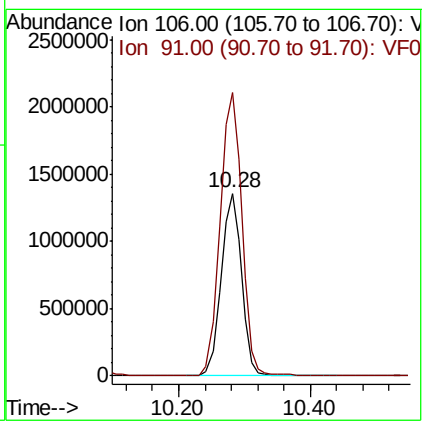


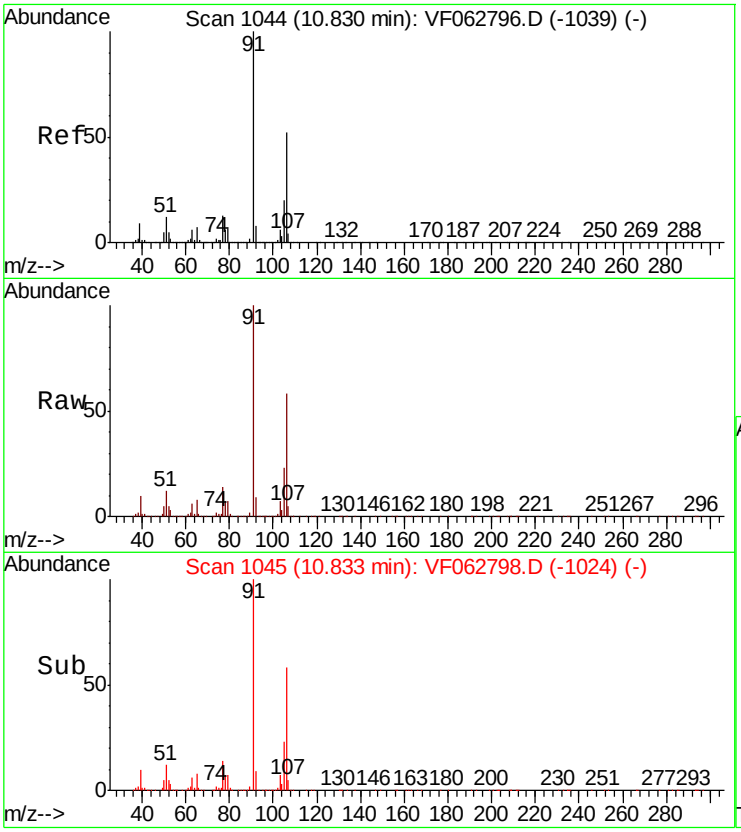




#68
m/p-Xylenes
Concen: 184.306 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:106 Resp: 2925592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 155.2 | 136.2 | 204.4 |



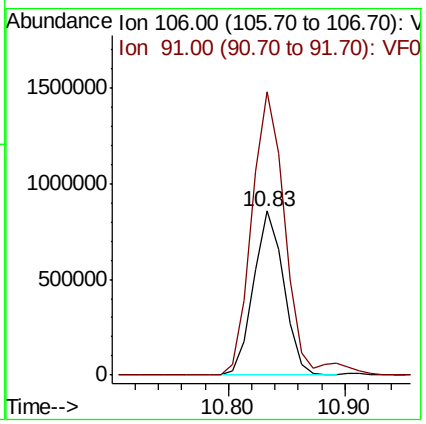


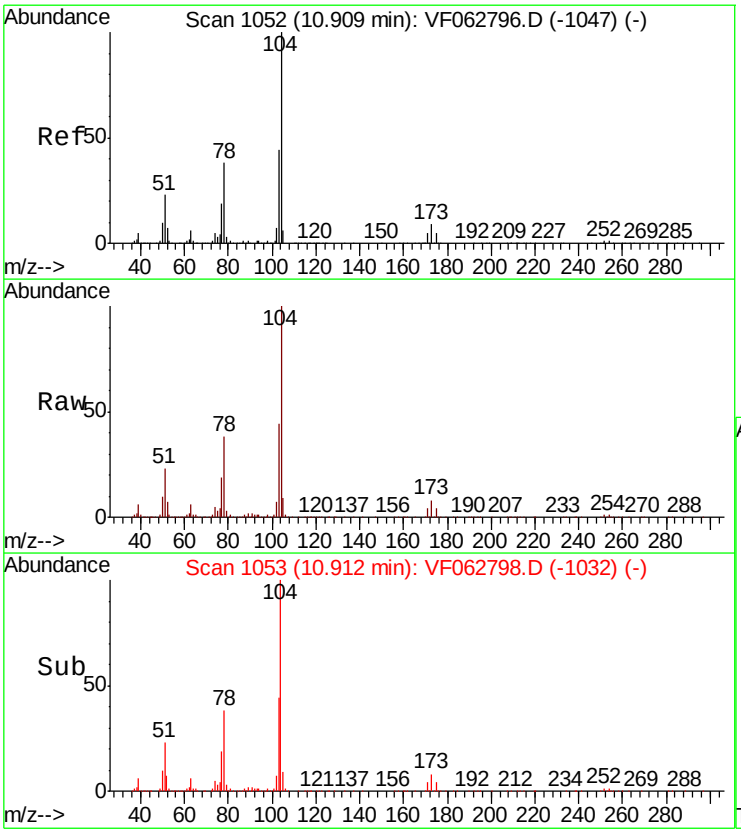

#69
o-Xylene
Concen: 96.020 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:106 Resp: 1544993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 172.8 | 96.6 | 289.8 |

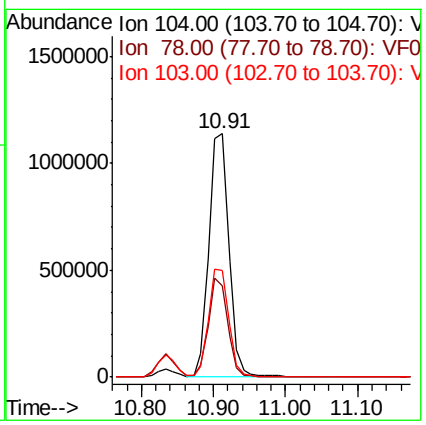


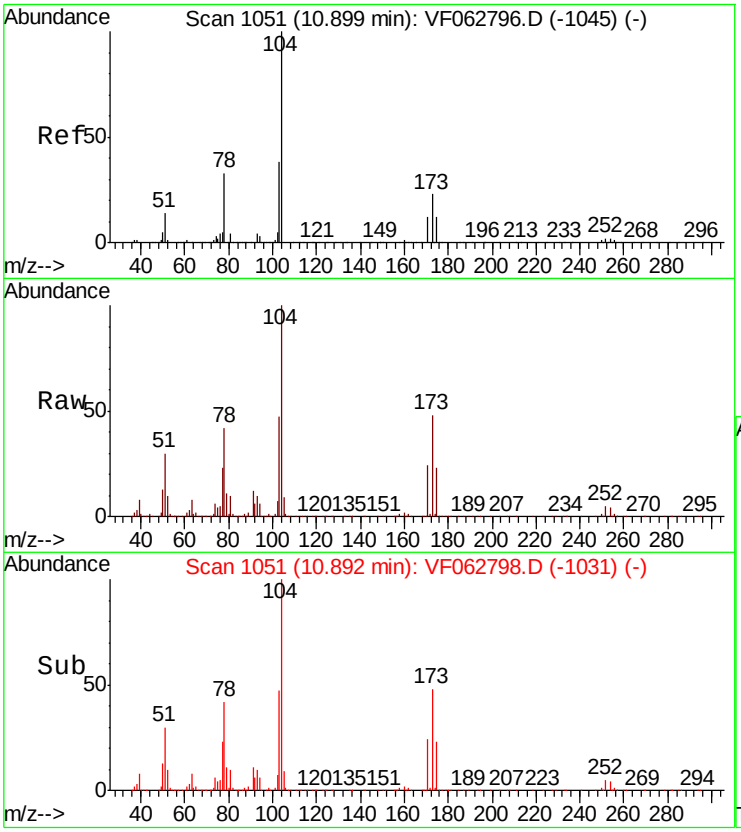




#70
Styrene
Concen: 91.659 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:104 Resp: 2168475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 37.7 | 30.8 | 46.2 |
| 103 | 43.9 | 35.8 | 53.6 |



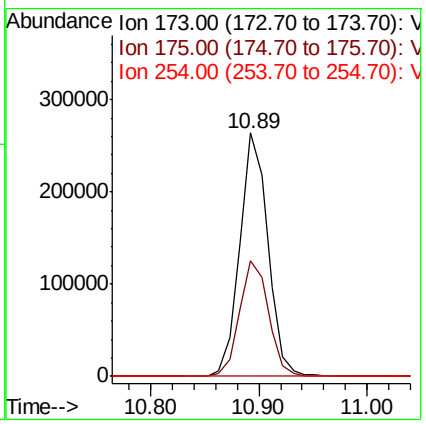


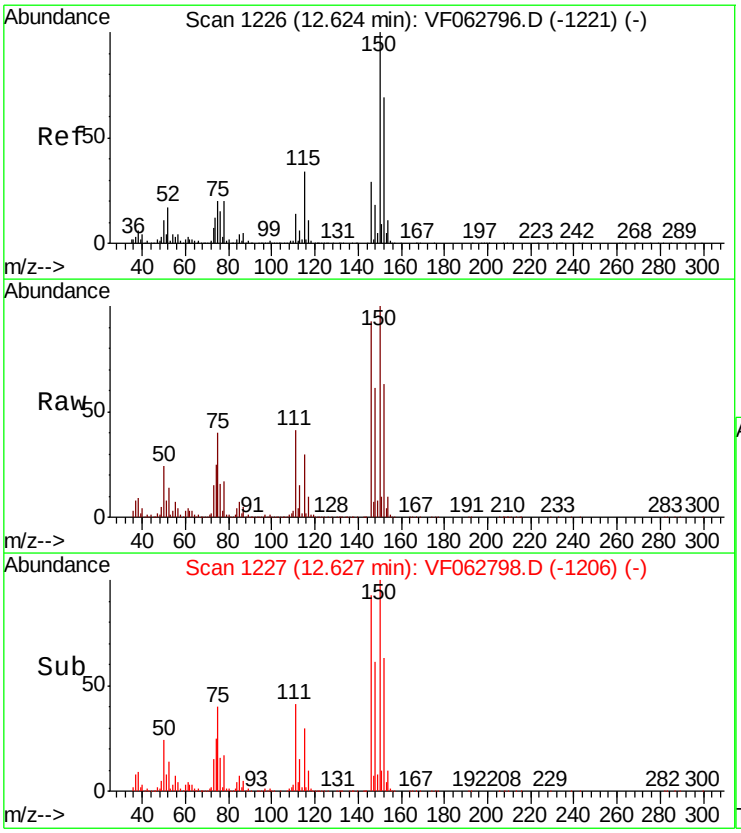

#71
Bromoform
Concen: 102.634 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:173 Resp: 475795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.3 | 24.6 | 74.0 |
| 254 | 0.1 | 0.1 | 0.1# |

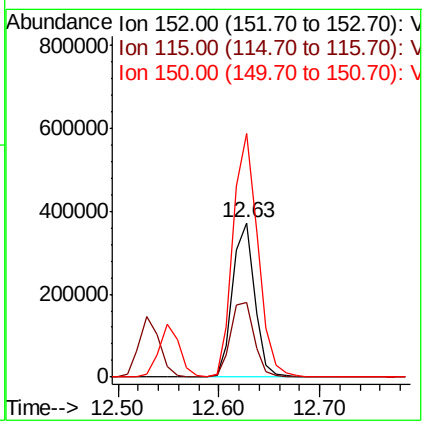


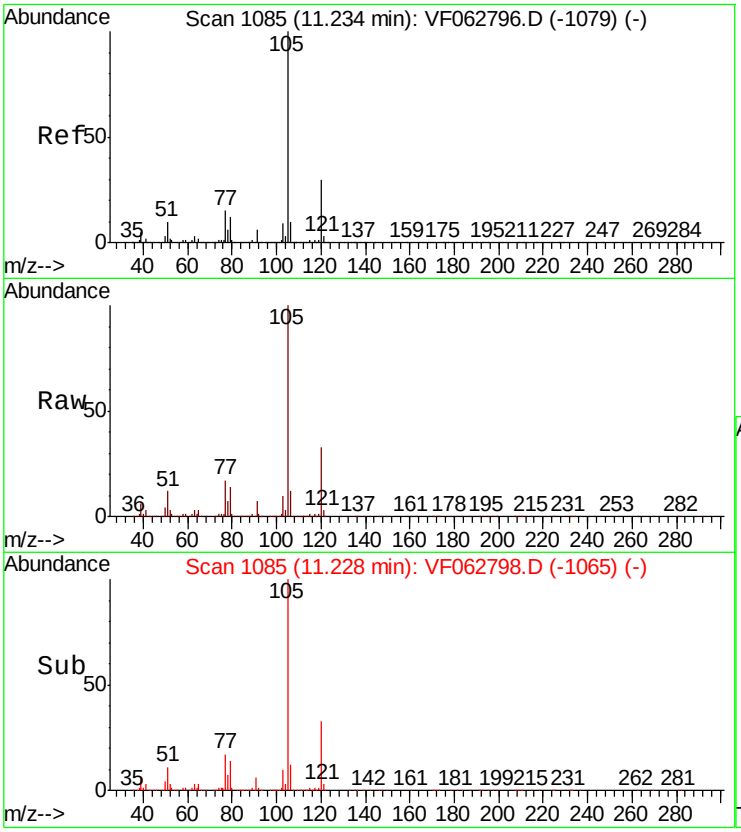




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:152 Resp: 565491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 48.1 | 24.6 | 74.0 |
| 150 | 157.9 | 0.0 | 290.6 |



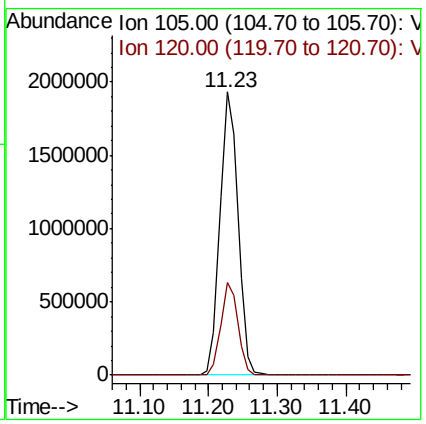


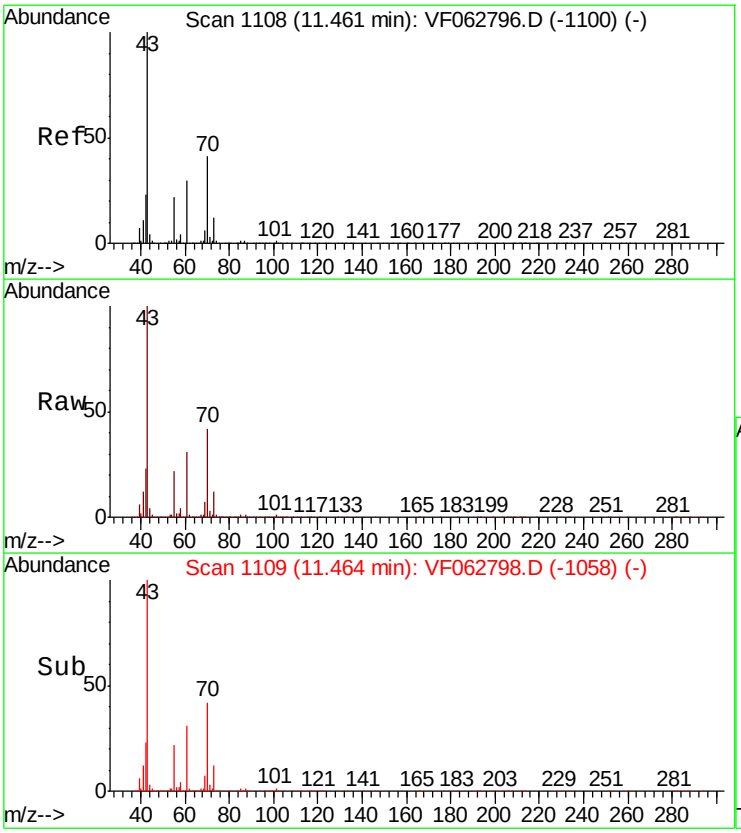

#73
Isopropylbenzene
Concen: 82.714 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:105 Resp: 3538544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 32.6 | 15.1 | 45.3 |

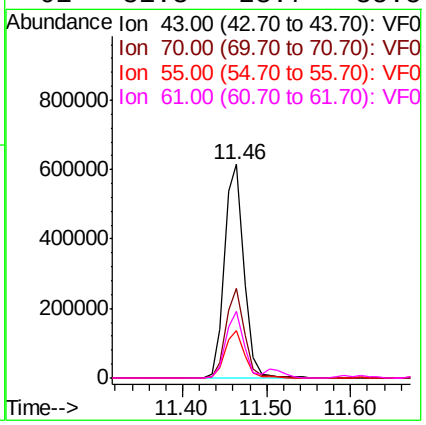


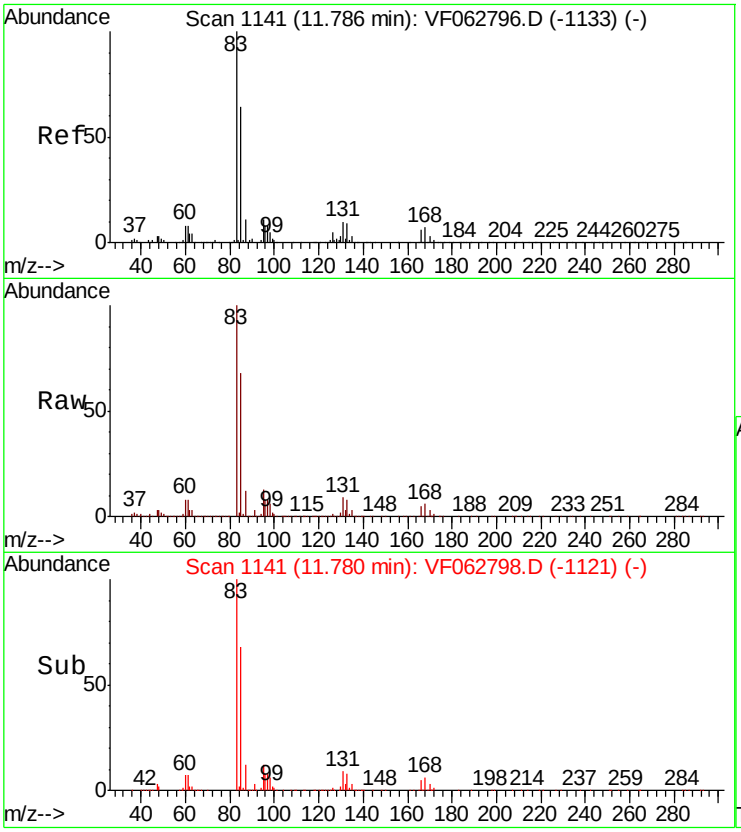




#74
N-amyl acetate
Concen: 80.713 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 43 Resp: 979589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.8 | 32.9 | 49.3 |
| 55 | 22.4 | 17.3 | 25.9 |
| 61 | 31.3 | 23.7 | 35.5 |



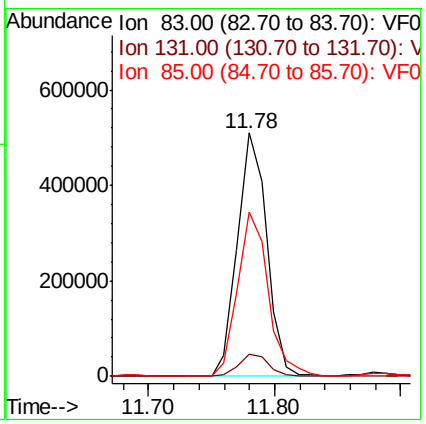


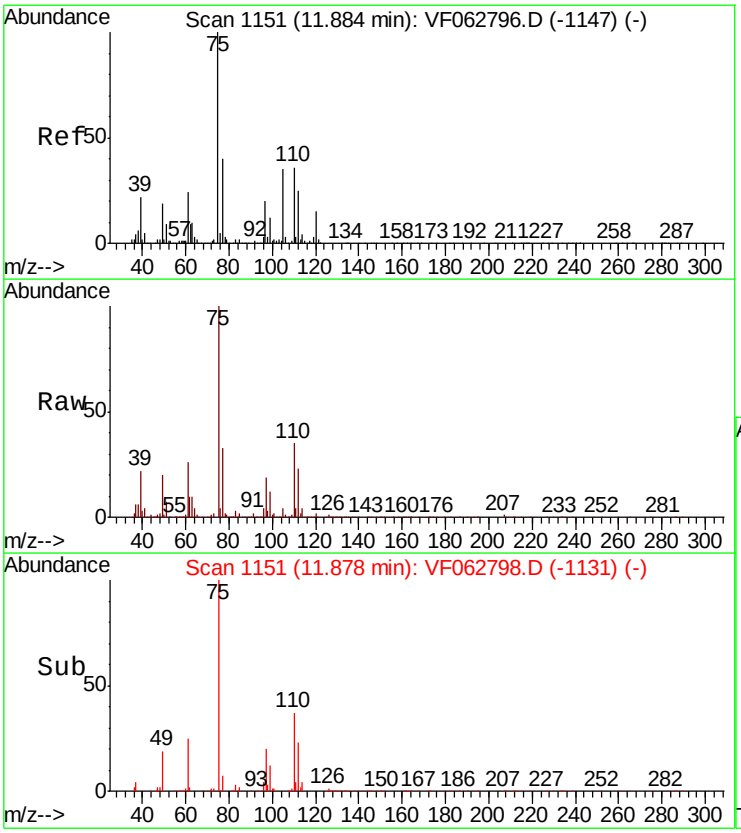

#75
1,1,2,2-Tetrachloroethane
Concen: 89.104 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 83 Resp: 823677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.9 | 4.9 | 14.7 |
| 85 | 67.6 | 32.1 | 96.5 |

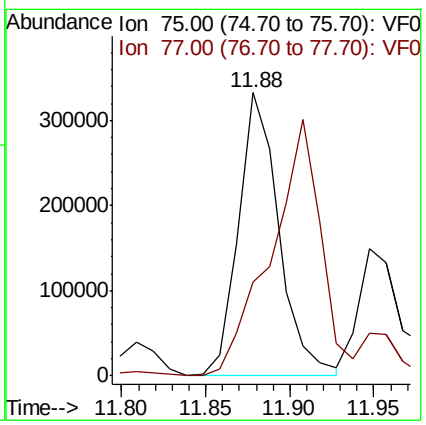


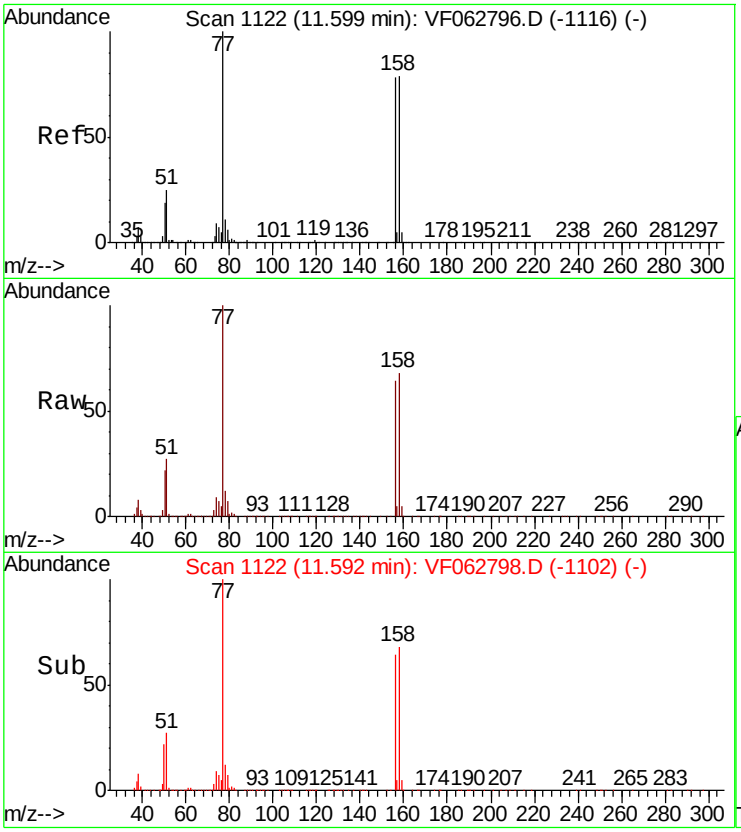




#76
1,2,3-Trichloropropane
Concen: 92.670 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 550962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.4 | 20.1 | 60.2 |



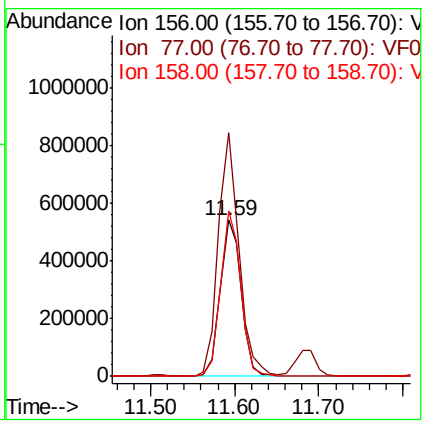


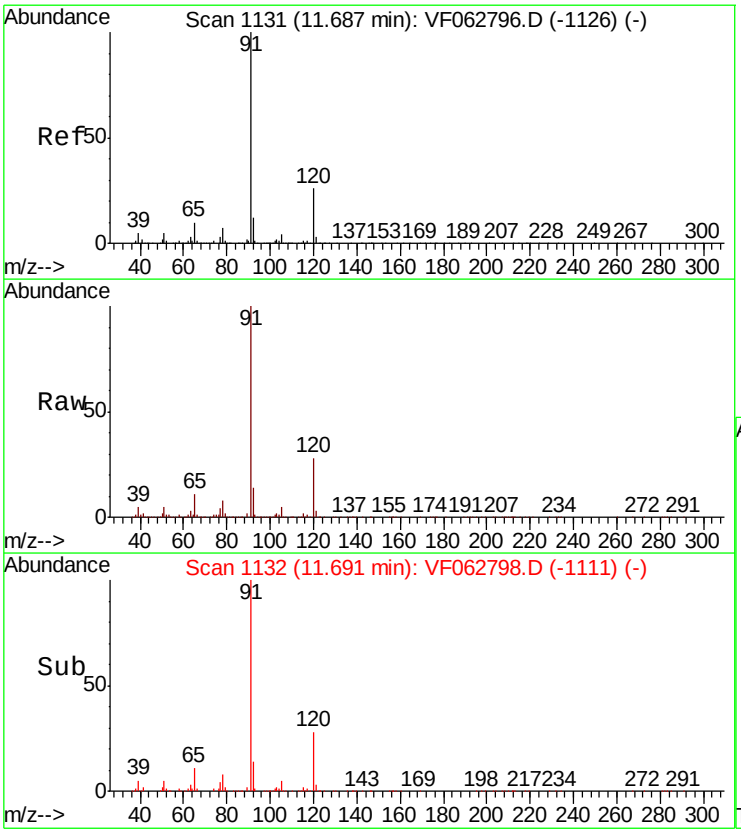

#77
Bromobenzene
Concen: 88.928 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:156 Resp: 931714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.7 | 64.2 | 192.6 |
| 158 | 105.4 | 50.3 | 151.0 |

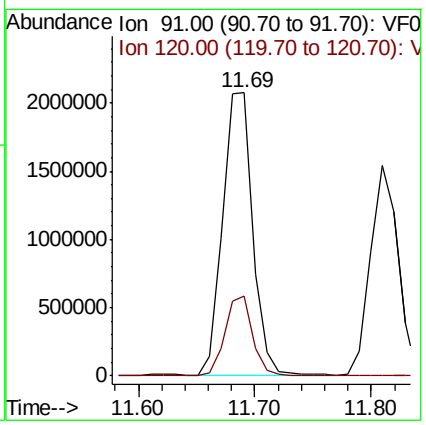


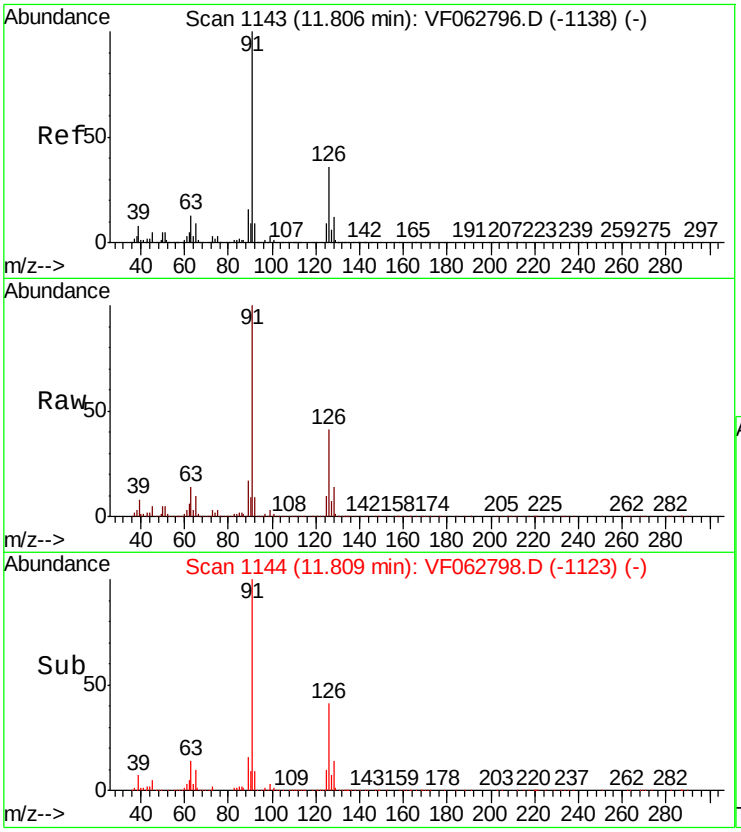




#78
n-propylbenzene
Concen: 69.970 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 91 Resp: 3714936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 28.3 | 12.8 | 38.4 |



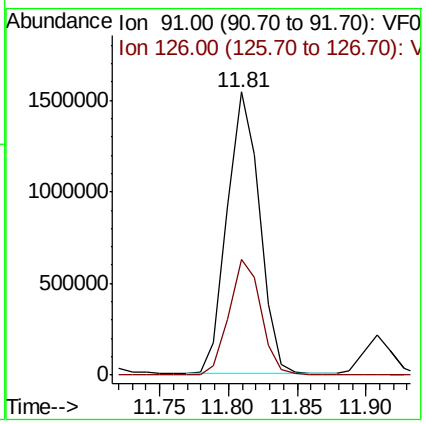


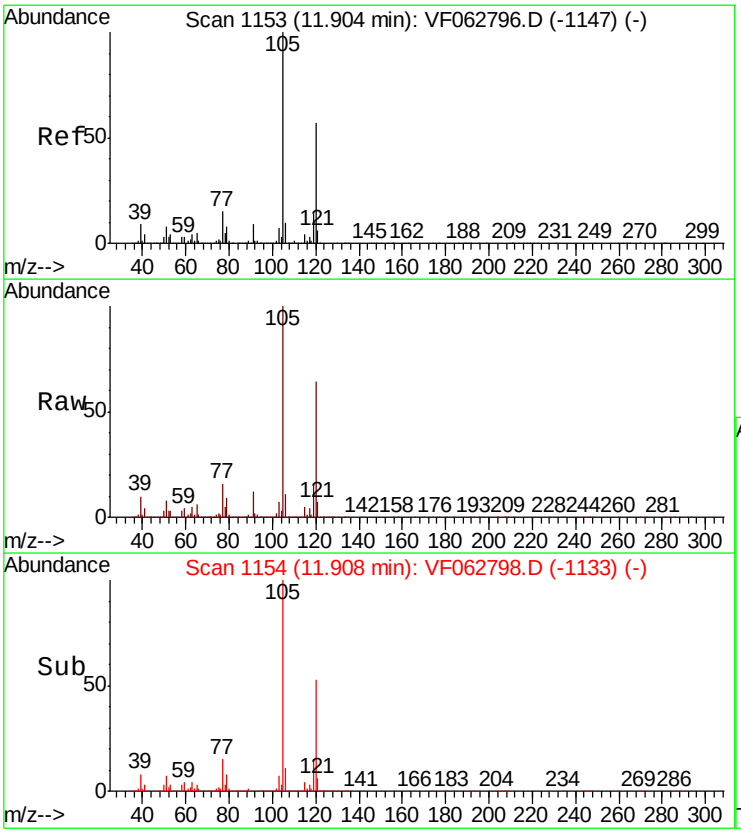

#79
2-Chlorotoluene
Concen: 87.118 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 91 Resp: 2533620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 40.9 | 17.8 | 53.3 |

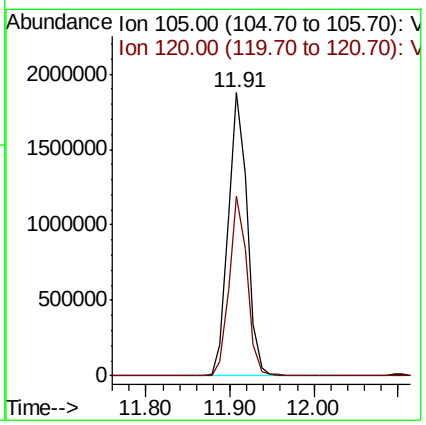


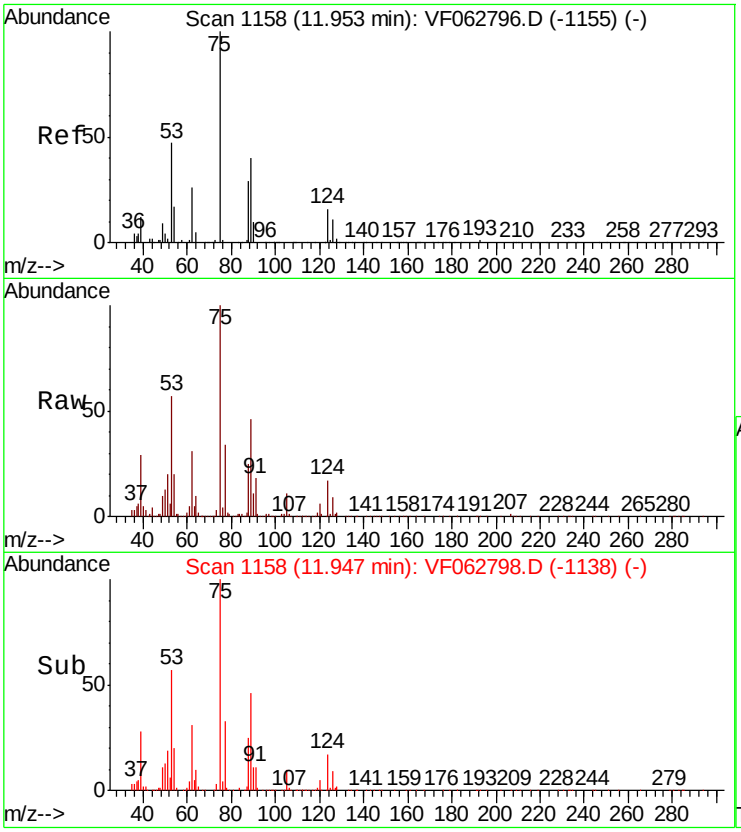




#80
1,3,5-Trimethylbenzene
Concen: 83.643 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:105 Resp: 2917207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 63.6 | 28.7 | 86.1 |



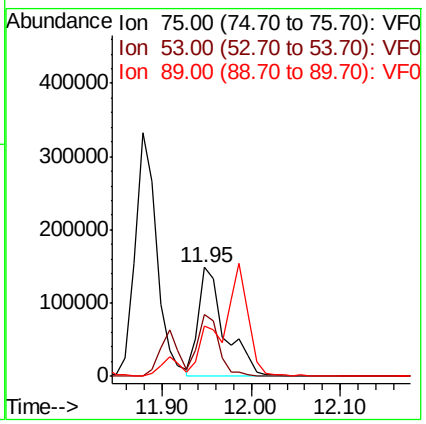


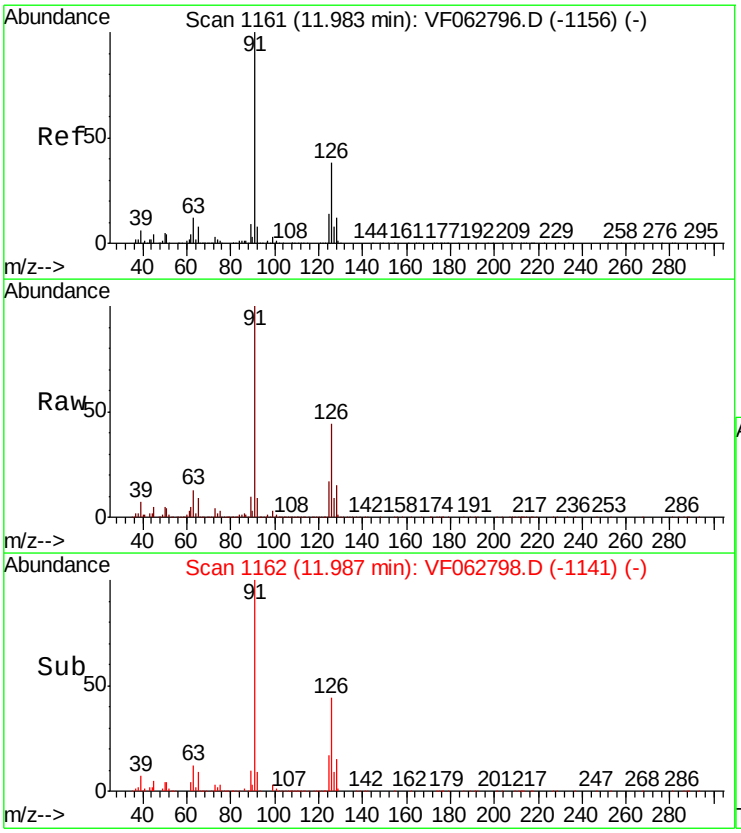

#81
trans-1,4-Dichloro-2-butene
Concen: 98.541 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 75 Resp: 305954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 57.2 | 43.5 | 65.3 |
| 89 | 45.7 | 34.3 | 51.5 |

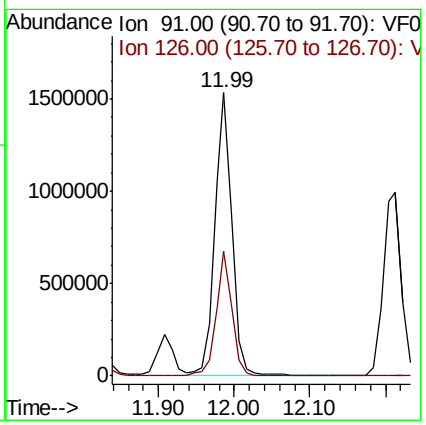


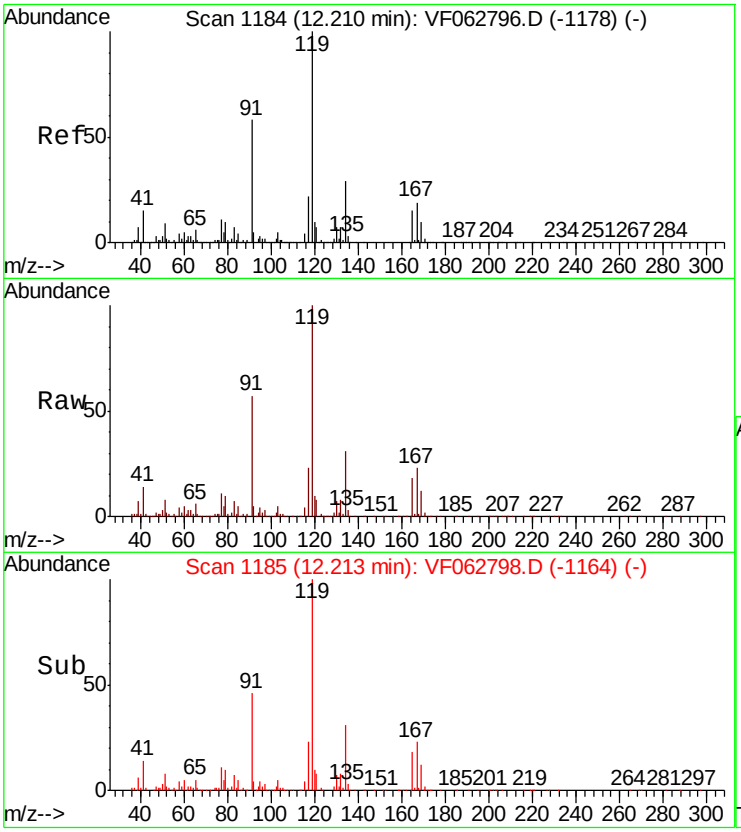




#82
4-Chlorotoluene
Concen: 83.825 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 91 Resp: 2416035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 44.1 | 19.1 | 57.1 |



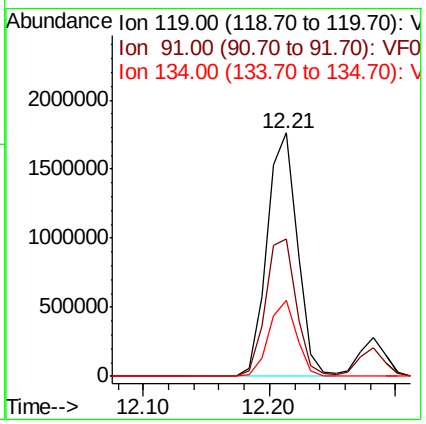


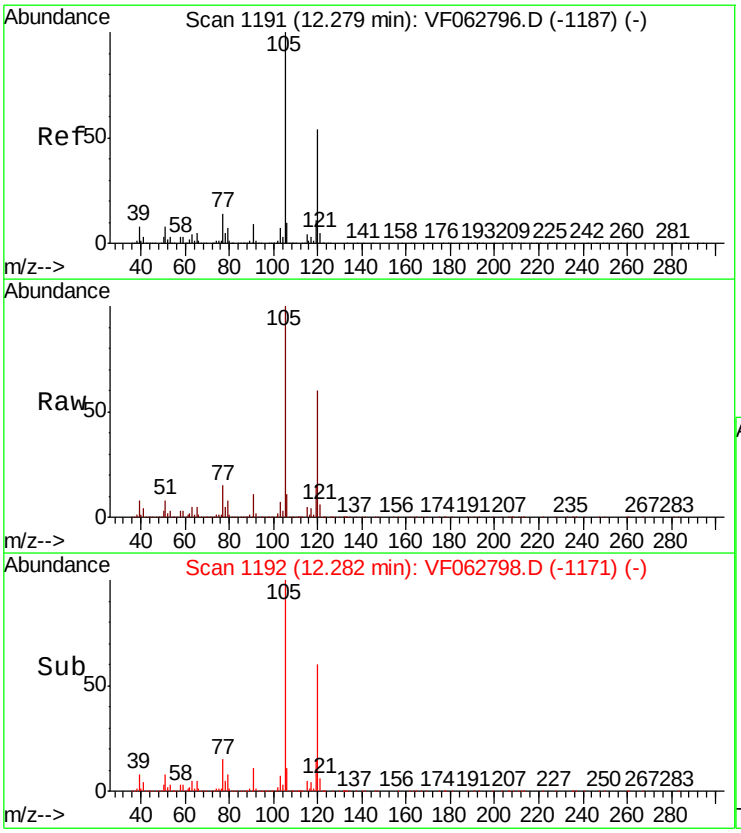

#83
tert-Butylbenzene
Concen: 87.506 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:119 Resp: 2964376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.5 | 28.9 | 86.7 |
| 134 | 31.2 | 14.3 | 42.9 |

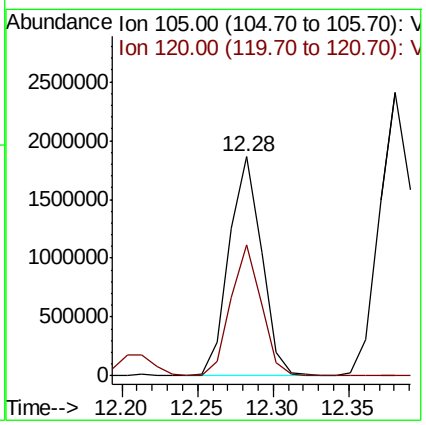


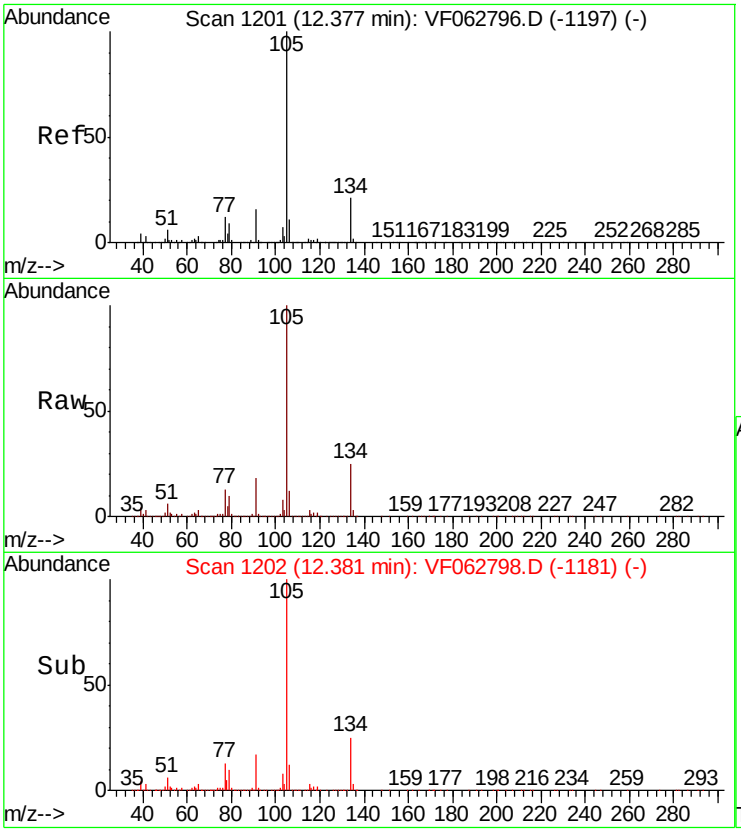




#84
1,2,4-Trimethylbenzene
Concen: 83.801 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:105 Resp: 2789789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 59.7 | 27.1 | 81.3 |



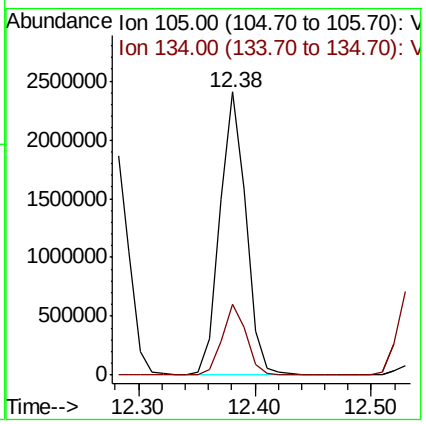


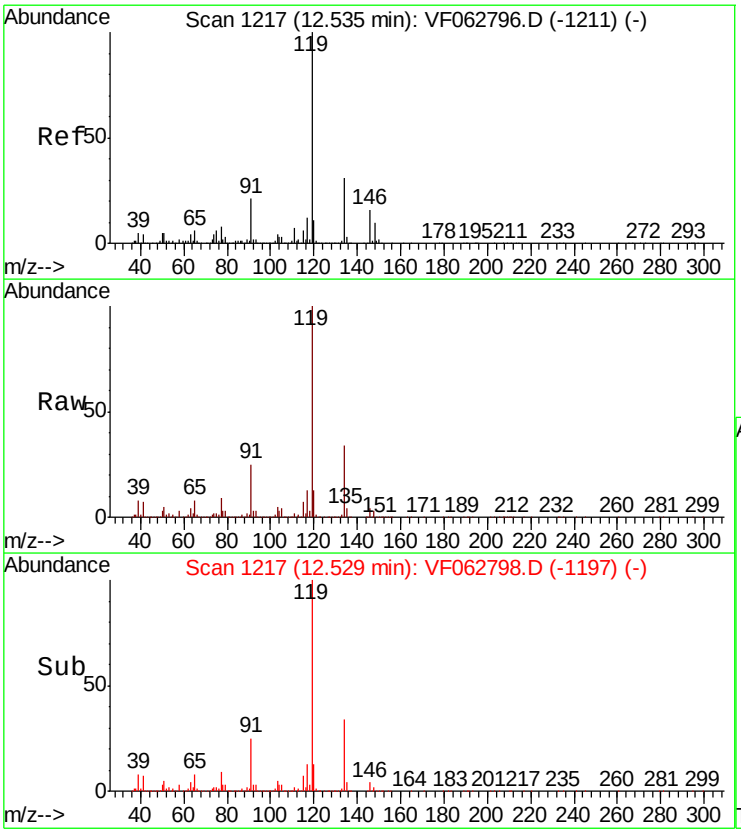

#85
sec-Butylbenzene
Concen: 80.056 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:105 Resp: 3705779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 25.2 | 10.5 | 31.6 |

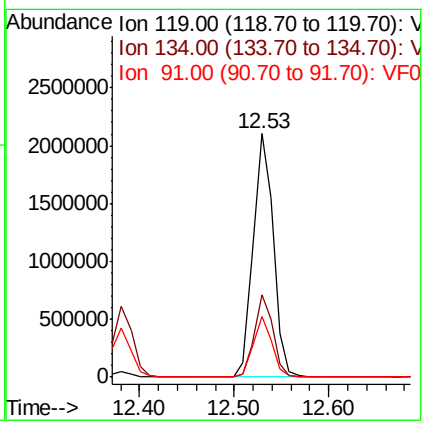


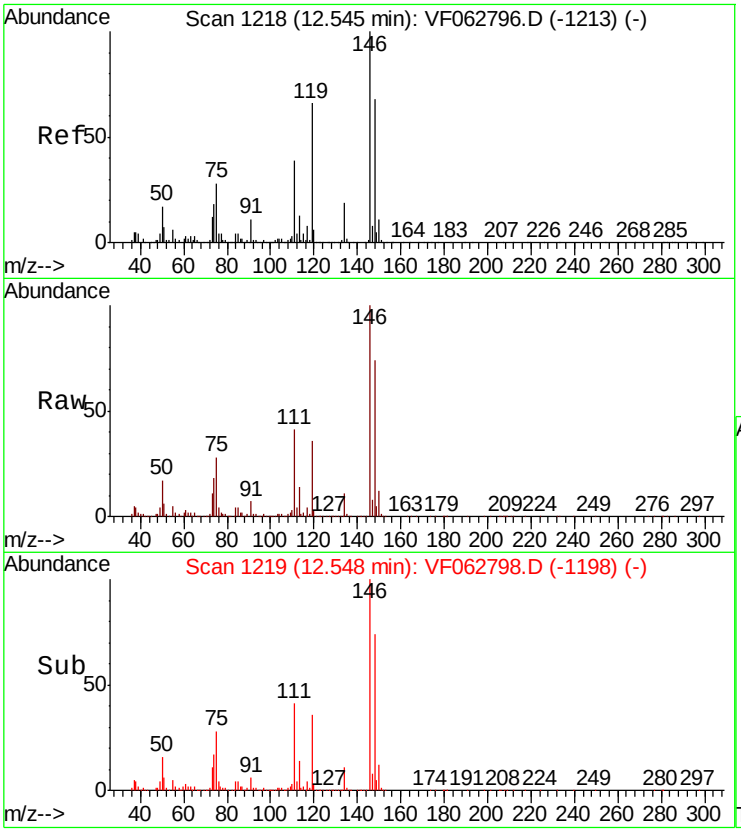




#86
p-Isopropyltoluene
Concen: 81.612 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:119 Resp: 3107927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 33.9 | 15.5 | 46.5 |
| 91 | 25.1 | 10.3 | 30.9 |



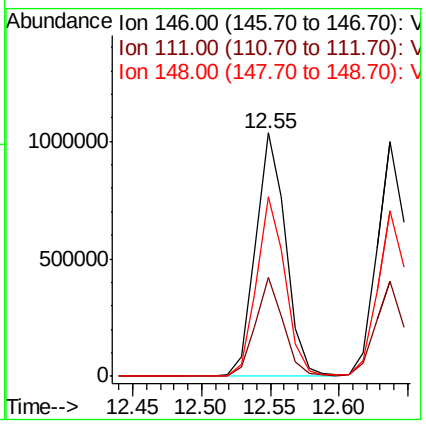


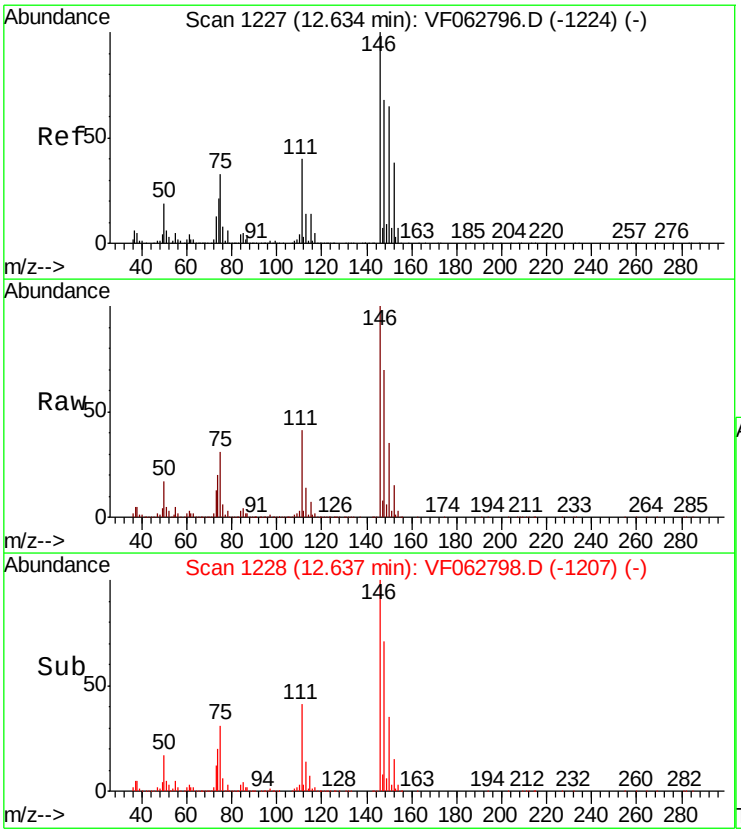

#87
1,3-Dichlorobenzene
Concen: 84.044 ug/l
RT: 12.55 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:146 Resp: 1581037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 19.6 | 58.8 |
| 148 | 73.7 | 34.2 | 102.5 |

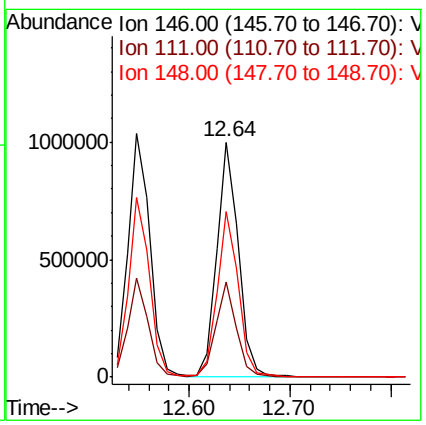


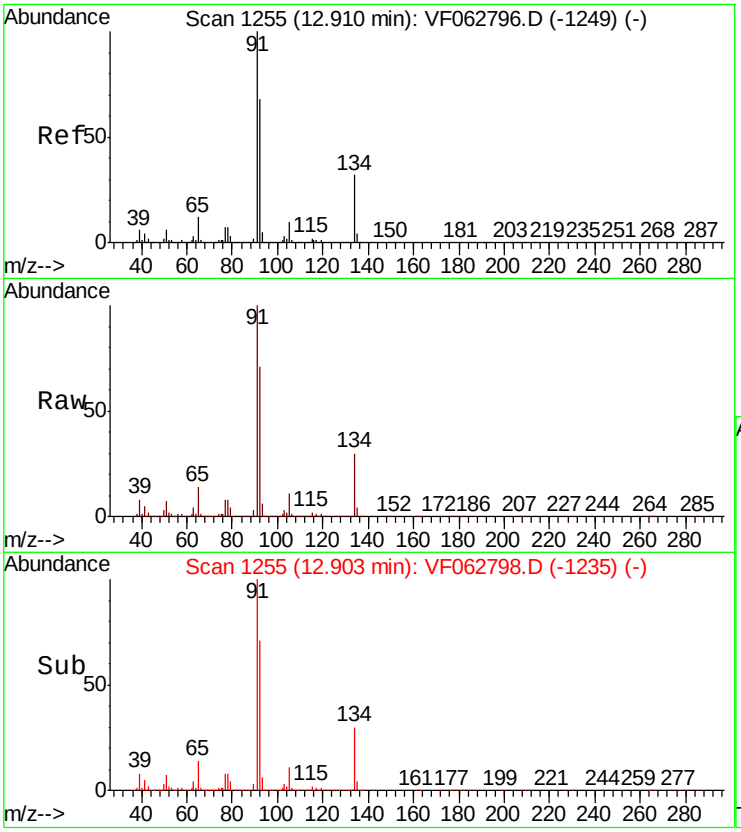




#88
1,4-Dichlorobenzene
Concen: 85.330 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:146 Resp: 1496568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.3 | 60.9 |
| 148 | 70.5 | 34.0 | 101.8 |



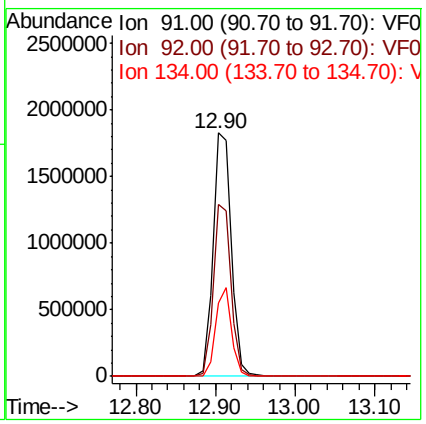


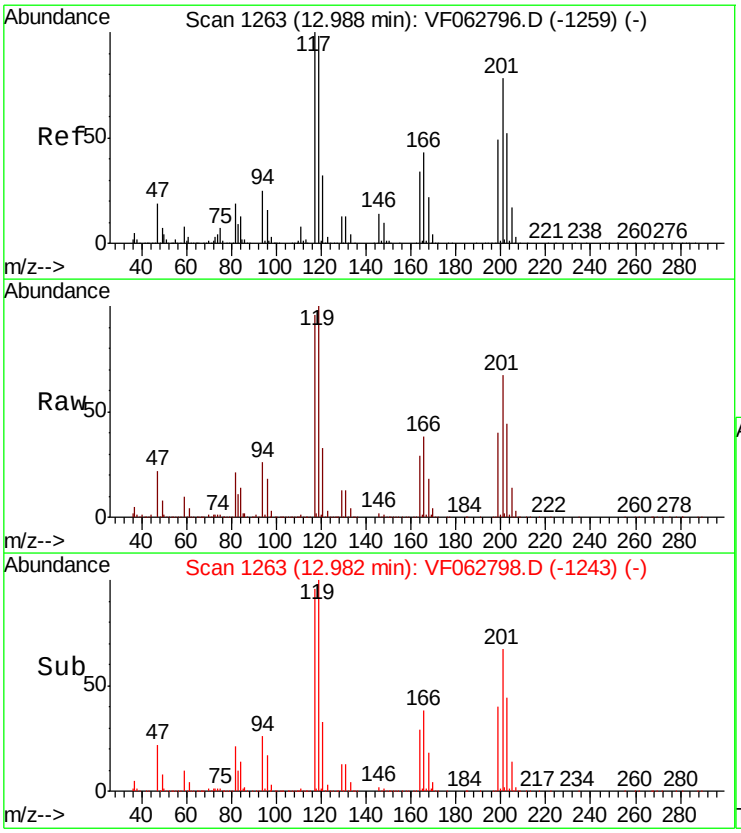

#89
n-Butylbenzene
Concen: 75.567 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion: 91 Resp: 2966384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 70.5 | 34.2 | 102.6 |
| 134 | 30.3 | 15.8 | 47.3 |

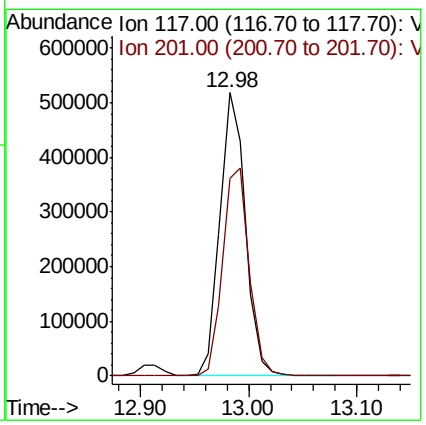


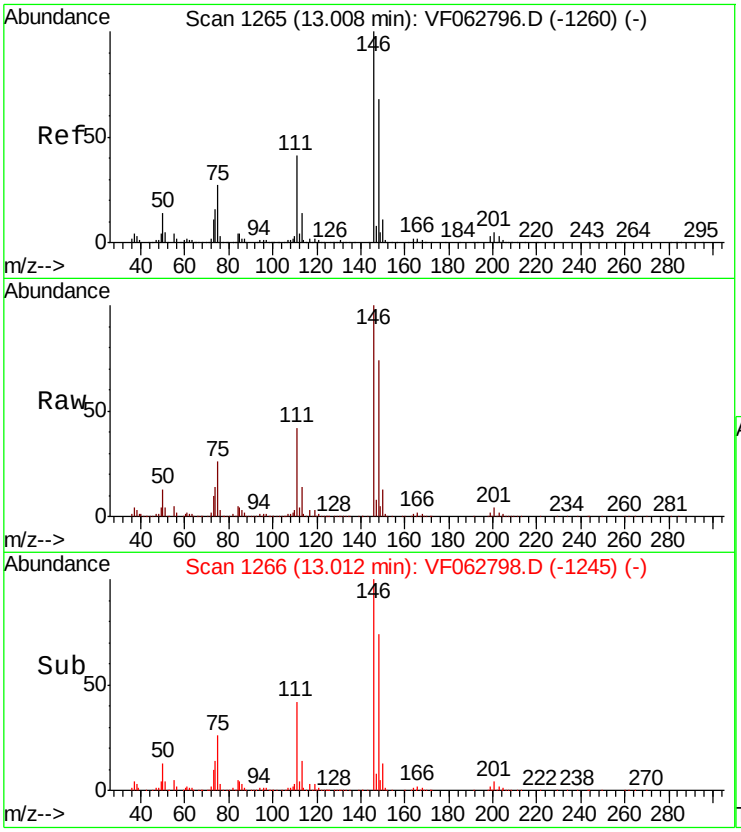




#90
Hexachloroethane
Concen: 93.713 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:117 Resp: 847349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.4 | 38.9 | 116.7 |



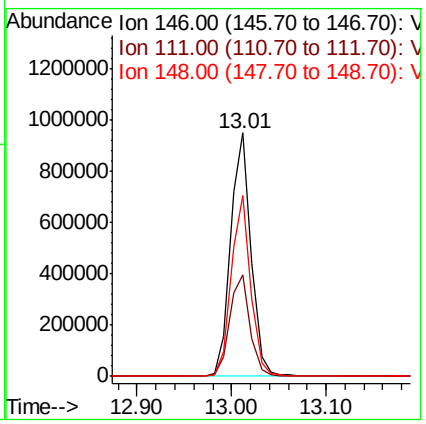


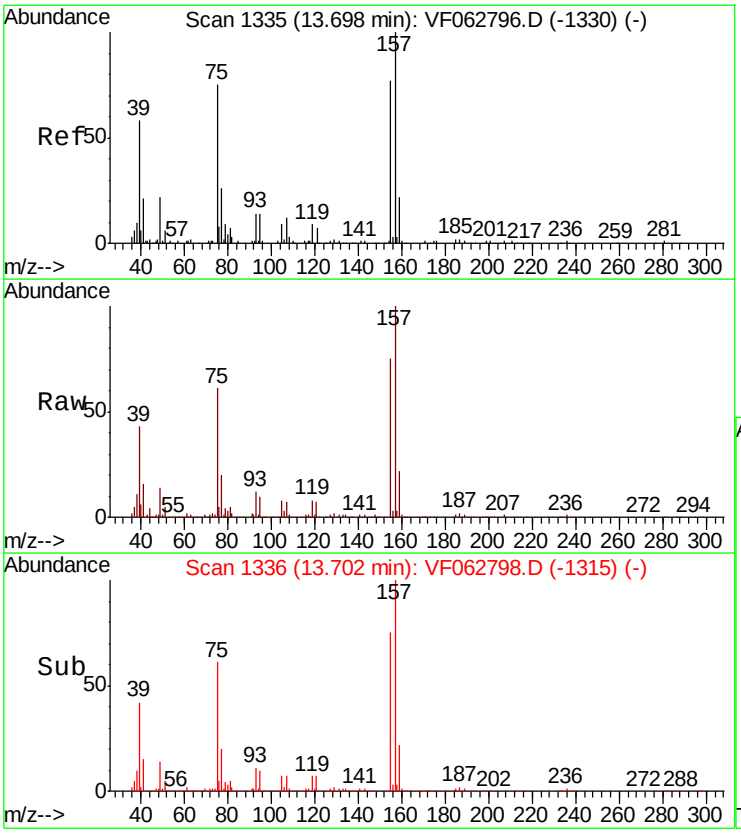

#91
1,2-Dichlorobenzene
Concen: 85.390 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:146 Resp: 1410383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.4 | 61.3 |
| 148 | 74.2 | 34.1 | 102.3 |

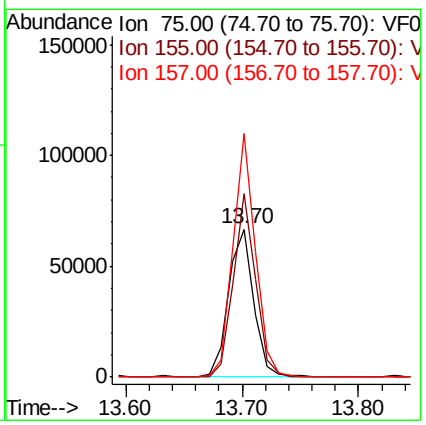


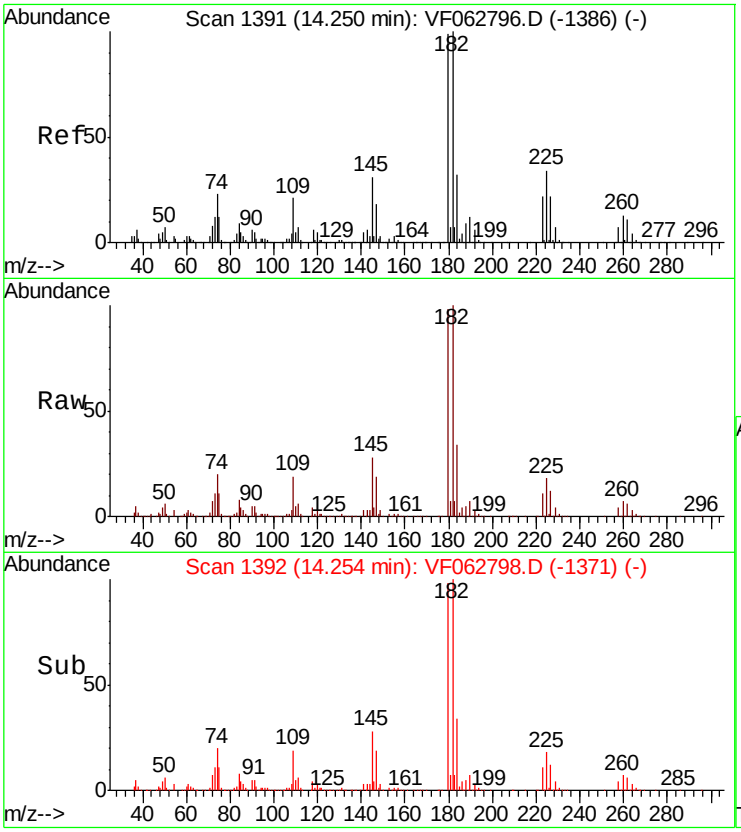




#92
1,2-Dibromo-3-Chloropropane
Concen: 100.548 ug/l
RT: 13.70 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion: 75 Resp: 98937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 123.6 | 51.7 | 155.1 |
| 157 | 164.5 | 66.8 | 200.6 |



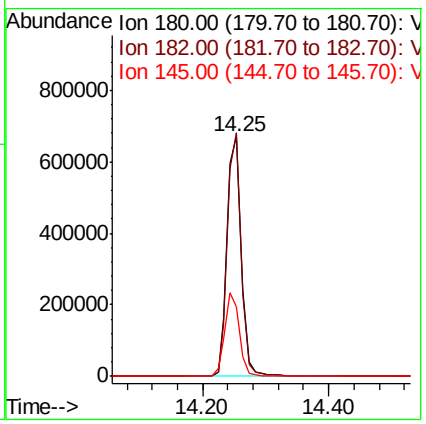


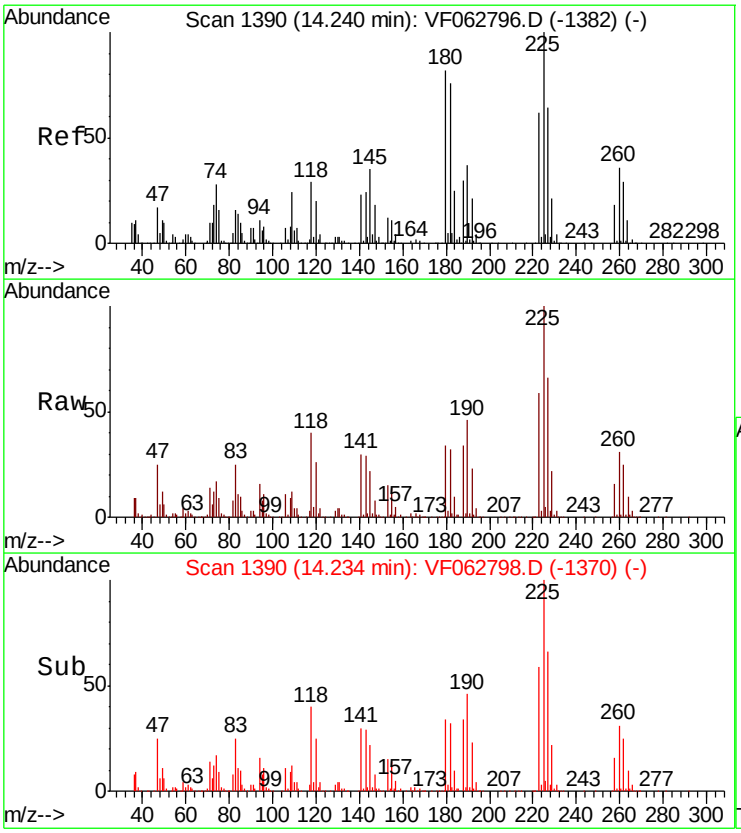

#93
1,2,4-Trichlorobenzene
Concen: 92.862 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:180 Resp: 1040945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.8 | 50.3 | 150.9 |
| 145 | 28.9 | 15.4 | 46.2 |

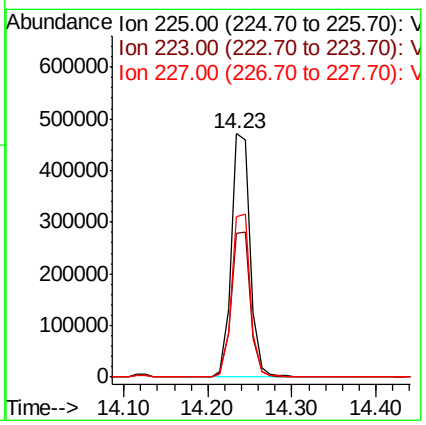


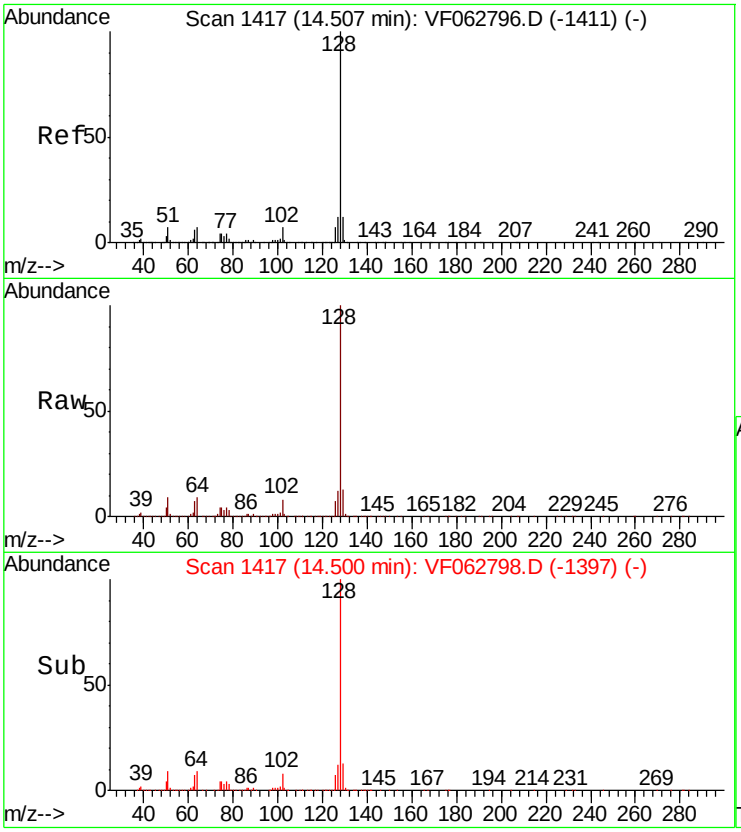




#94
Hexachlorobutadiene
Concen: 94.758 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:225 Resp: 729834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 59.0 | 30.8 | 92.4 |
| 227 | 65.7 | 31.9 | 95.5 |



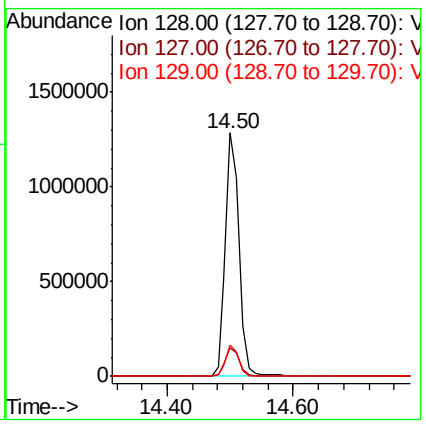


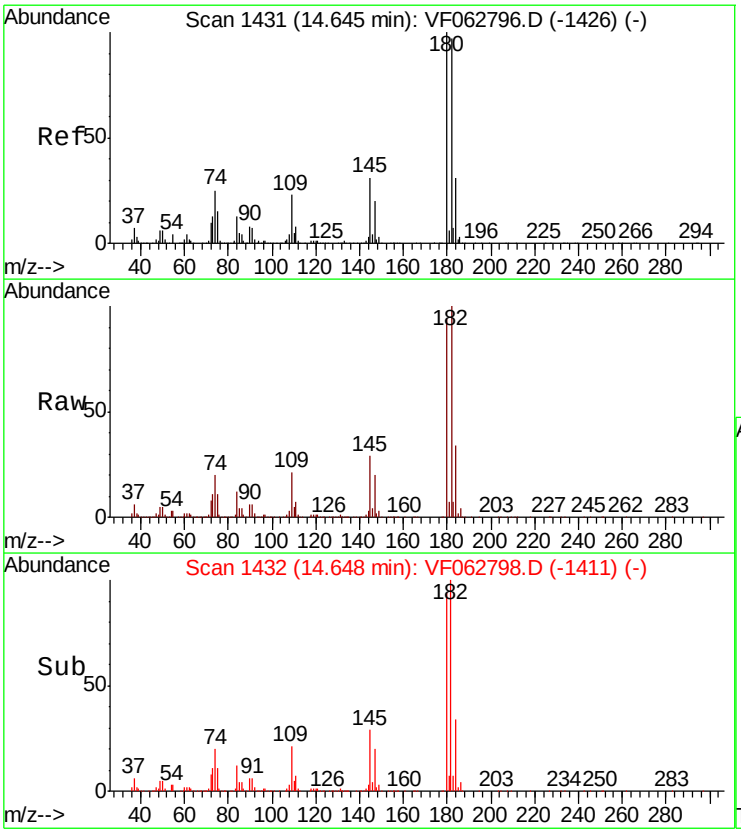

#95
Naphthalene
Concen: 108.828 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

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

Tgt Ion:128 Resp: 1937570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.7 | 9.7 | 14.5 |
| 129 | 13.0 | 9.4 | 14.2 |




#96
1,2,3-Trichlorobenzene
Concen: 100.555 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062798.D
Acq: 30 May 2019 16:27

Tgt Ion:180 Resp: 997838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 106.0 | 48.6 | 145.9 |
| 145 | 31.2 | 15.7 | 47.0 |