Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011819\
Data File : VD060754.D
Acq On : 18 Jan 2019 10:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Quant Time: Jan 19 03:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.79 | 168 | 1370853 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 7.97 | 114 | 1938254 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 12.15 | 117 | 1560656 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 14.32 | 152 | 785274 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.21 | 65 | 96573 | 10.19 | ug/l | | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 20.38% | | | | |
| 35) Dibromofluoromethane | 6.68 | 113 | 91345 | 6.44 | ug/l | | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 12.88% | | | | |
| 50) Toluene-d8 | 10.18 | 98 | 262172 | 6.19 | ug/l | | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 12.38% | | | | |
| 62) 4-Bromofluorobenzene | 13.35 | 95 | 118661 | 8.00 | ug/l | | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 16.00% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.59 | 85 | 76134 | 4.347 | ug/l | | 87 |
| 3) Chloromethane | 1.77 | 50 | 56071 | 3.478 | ug/l | | 99 |
| 4) Vinyl Chloride | 1.84 | 62 | 52799 | 4.125 | ug/l | | 93 |
| 5) Bromomethane | 2.14 | 94 | 14728 | 5.137 | ug/l | | 96 |
| 6) Chloroethane | 2.25 | 64 | 14787 | 3.871 | ug/l | # | 77 |
| 7) Trichlorofluoromethane | 2.49 | 101 | 76730 | 5.390 | ug/l | | 88 |
| 8) Diethyl Ether | 2.80 | 74 | 11946 | 5.016 | ug/l | | 82 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.07 | 101 | 42071 | 4.556 | ug/l | | 95 |
| 10) Methyl Iodide | 3.21 | 142 | 44693 | 4.605 | ug/l | # | 80 |
| 11) Tert butyl alcohol | 3.92 | 59 | 27705 | 69.976 | ug/l | # | 74 |
| 12) 1,1-Dichloroethene | 3.06 | 96 | 29608 | 3.902 | ug/l | # | 76 |
| 13) Acrolein | 2.96 | 56 | 10794 | 26.753 | ug/l | # | 80 |
| 14) Allyl chloride | 3.51 | 41 | 75750 | 5.441 | ug/l | # | 85 |
| 15) Acrylonitrile | 4.04 | 53 | 84942 | 36.954 | ug/l | | 97 |
| 16) Acetone | 3.13 | 43 | 60430m | 36.526 | ug/l | | |
| 17) Carbon Disulfide | 3.28 | 76 | 105046 | 4.335 | ug/l | | 96 |
| 18) Methyl Acetate | 3.53 | 43 | 24871 | 6.066 | ug/l | | 94 |
| 19) Methyl tert-butyl Ether | 4.07 | 73 | 165955 | 8.621 | ug/l | | 93 |
| 20) Methylene Chloride | 3.68 | 84 | 101739 | 5.921 | ug/l | | 95 |
| 21) trans-1,2-Dichloroethene | 4.05 | 96 | 81234 | 5.228 | ug/l | # | 75 |
| 22) Diisopropyl ether | 4.89 | 45 | 260309 | 5.507 | ug/l | # | 92 |
| 23) Vinyl Acetate | 4.82 | 43 | 666352 | 29.137 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 4.76 | 63 | 140190 | 5.638 | ug/l | | 97 |
| 25) 2-Butanone | 5.83 | 43 | 105146 | 33.212 | ug/l | | 98 |
| 26) 2,2-Dichloropropane | 5.78 | 77 | 135895 | 6.924 | ug/l | | 91 |
| 27) cis-1,2-Dichloroethene | 5.79 | 96 | 80184 | 5.083 | ug/l | | 85 |
| 28) Bromochloromethane | 6.20 | 49 | 53832 | 5.125 | ug/l | | 97 |
| 29) Tetrahydrofuran | 6.23 | 42 | 54847 | 30.560 | ug/l | # | 87 |
| 30) Chloroform | 6.41 | 83 | 154385 | 6.171 | ug/l | | 97 |
| 31) Cyclohexane | 6.72 | 56 | 124141 | 5.188 | ug/l | # | 95 |
| 32) 1,1,1-Trichloroethane | 6.63 | 97 | 137677 | 6.651 | ug/l | # | 92 |
| 36) 1,1-Dichloropropene | 6.90 | 75 | 119722 | 5.998 | ug/l | | 96 |
| 37) Ethyl Acetate | 5.93 | 43 | 49182 | 5.892 | ug/l | # | 89 |
| 38) Carbon Tetrachloride | 6.87 | 117 | 126783 | 7.200 | ug/l | | 95 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011819\
Data File : VD060754.D
Acq On : 18 Jan 2019 10:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Quant Time: Jan 19 03:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 8.63 | 83 | 111681 | 4.906 ug/l # | 79 |
| 40) Benzene | 7.21 | 78 | 286607 | 5.559 ug/l | 100 |
| 41) Methacrylonitrile | 6.19 | 41 | 25573m | 5.539 ug/l | |
| 42) 1,2-Dichloroethane | 7.34 | 62 | 109516 | 8.560 ug/l | 93 |
| 43) Isopropyl Acetate | 9.00 | 43 | 81419 | 7.601 ug/l # | 89 |
| 44) Trichloroethene | 8.29 | 130 | 83966 | 5.503 ug/l | 98 |
| 45) 1,2-Dichloropropane | 8.71 | 63 | 75070 | 5.938 ug/l | 95 |
| 46) Dibromomethane | 8.82 | 93 | 46201 | 6.403 ug/l | 90 |
| 47) Bromodichloromethane | 9.14 | 83 | 113990 | 6.670 ug/l | 99 |
| 48) Methyl methacrylate | 8.88 | 41 | 48871 | 7.512 ug/l | 92 |
| 49) 1,4-Dioxane | 8.84 | 88 | 8006 | 132.348 ug/l # | 79 |
| 51) 4-Methyl-2-Pentanone | 10.06 | 43 | 241480 | 36.795 ug/l | 89 |
| 52) Toluene | 10.28 | 92 | 173981 | 5.383 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 10.69 | 75 | 112785 | 7.910 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 9.81 | 75 | 122311 | 6.554 ug/l | 90 |
| 55) 1,1,2-Trichloroethane | 10.96 | 97 | 48888 | 5.622 ug/l | 92 |
| 56) Ethyl methacrylate | 10.81 | 69 | 65469 | 8.106 ug/l | 98 |
| 57) 1,3-Dichloropropane | 11.19 | 76 | 85802 | 6.225 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.62 | 63 | 197680 | 41.537 ug/l | 94 |
| 59) 2-Hexanone | 11.32 | 43 | 172997 | 37.659 ug/l | 89 |
| 60) Dibromochloromethane | 11.46 | 129 | 79796 | 7.204 ug/l | 93 |
| 61) 1,2-Dibromoethane | 11.59 | 107 | 58673 | 6.505 ug/l | 96 |
| 64) Tetrachloroethene | 11.03 | 164 | 69194 | 4.892 ug/l # | 87 |
| 65) Chlorobenzene | 12.19 | 112 | 194466 | 5.640 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 12.30 | 131 | 78817 | 7.109 ug/l | 86 |
| 67) Ethyl Benzene | 12.31 | 91 | 360750 | 6.109 ug/l | 96 |
| 68) m/p-Xylenes | 12.46 | 106 | 246190 | 11.408 ug/l | 76 |
| 69) o-Xylene | 12.84 | 106 | 121886 | 5.953 ug/l | 71 |
| 70) Styrene | 12.86 | 104 | 205701 | 6.238 ug/l # | 89 |
| 71) Bromoform | 13.03 | 173 | 52994 | 7.241 ug/l | 85 |
| 73) Isopropylbenzene | 13.20 | 105 | 315103 | 5.636 ug/l | 99 |
| 74) N-amyl acetate | 13.06 | 43 | 101382 | 7.683 ug/l # | 91 |
| 75) 1,1,2,2-Tetrachloroethane | 13.50 | 83 | 61529 | 6.789 ug/l | 96 |
| 76) 1,2,3-Trichloropropane | 13.53 | 75 | 67069 | 7.502 ug/l | 97 |
| 77) Bromobenzene | 13.46 | 156 | 90445 | 6.127 ug/l | 81 |
| 78) n-propylbenzene | 13.57 | 91 | 411521 | 5.757 ug/l | 94 |
| 79) 2-Chlorotoluene | 13.64 | 91 | 234017 | 6.113 ug/l | 96 |
| 80) 1,3,5-Trimethylbenzene | 14.03 | 105 | 283697 | 6.571 ug/l | 89 |
| 81) trans-1,4-Dichloro-2-buten | 13.27 | 75 | 20804 | 8.421 ug/l # | 88 |
| 82) 4-Chlorotoluene | 13.75 | 91 | 292770 | 6.747 ug/l | 98 |
| 83) tert-Butylbenzene | 13.99 | 119 | 321569 | 6.545 ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 14.03 | 105 | 283697 | 6.380 ug/l | 95 |
| 85) sec-Butylbenzene | 14.17 | 105 | 353181 | 5.894 ug/l | 95 |
| 86) p-Isopropyltoluene | 14.29 | 119 | 314647 | 6.505 ug/l | 93 |
| 87) 1,3-Dichlorobenzene | 14.26 | 146 | 153636 | 5.670 ug/l | 96 |
| 88) 1,4-Dichlorobenzene | 14.34 | 146 | 155594 | 5.827 ug/l | 93 |
| 89) n-Butylbenzene | 14.60 | 91 | 301225 | 6.094 ug/l | 97 |
| 90) Hexachloroethane | 14.81 | 117 | 75975 | 6.394 ug/l | 94 |
| 91) 1,2-Dichlorobenzene | 14.61 | 146 | 134732 | 6.198 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 15.18 | 75 | 10604 | 9.960 ug/l | 89 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011819\
Data File : VD060754.D
Acq On : 18 Jan 2019 10:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Quant Time: Jan 19 03:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration

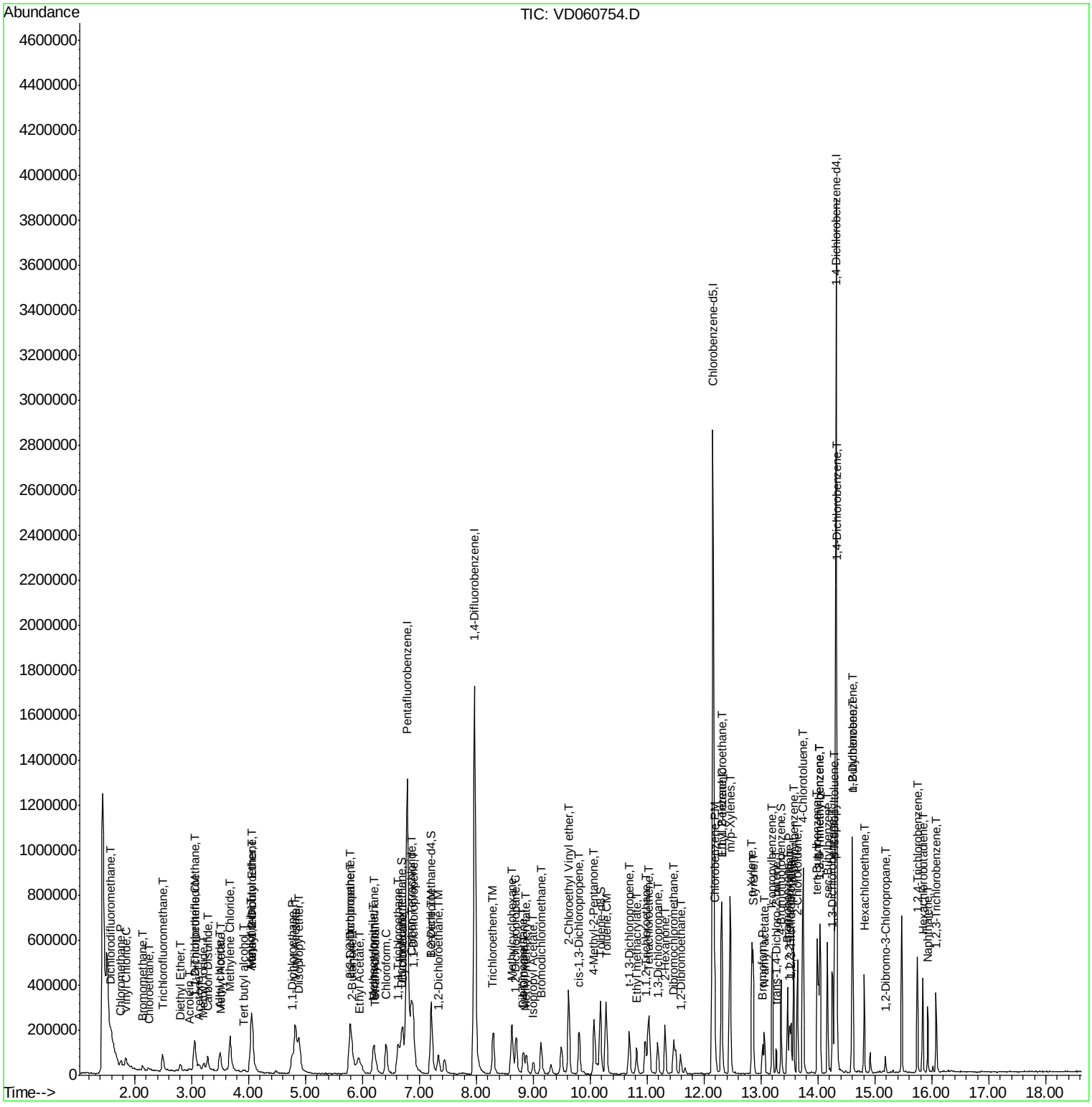
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.75 | 180 | 115292 | 6.666 | ug/l | 94 |
| 94) Hexachlorobutadiene | 15.84 | 225 | 70162 | 5.488 | ug/l | 96 |
| 95) Naphthalene | 15.92 | 128 | 167037 | 8.125 | ug/l | 97 |
| 96) 1,2,3-Trichlorobenzene | 16.07 | 180 | 83057 | 6.143 | ug/l | 91 |

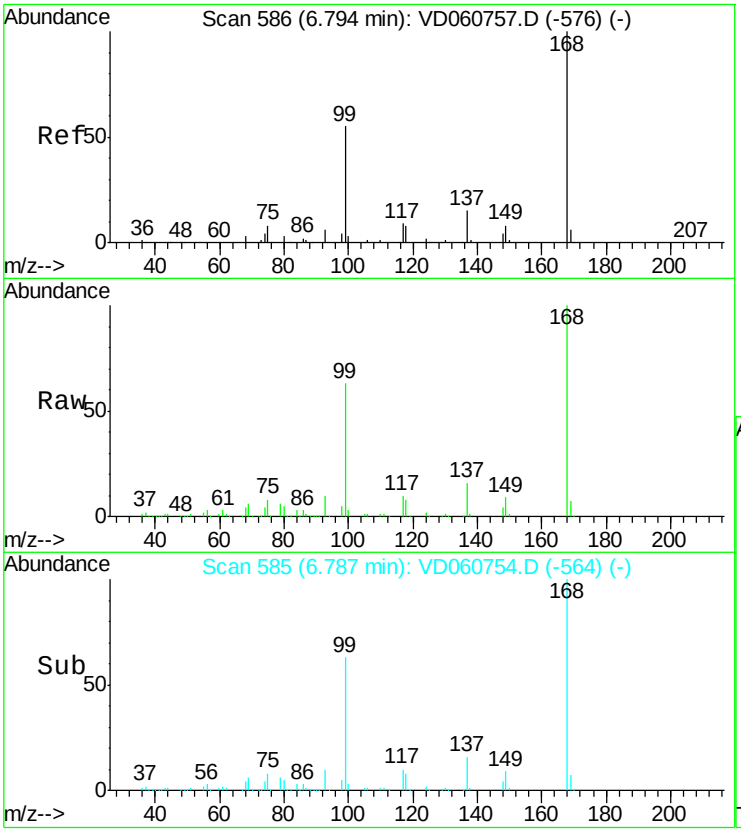
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011819\
Data File : VD060754.D
Acq On : 18 Jan 2019 10:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Quant Time: Jan 19 03:20:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration



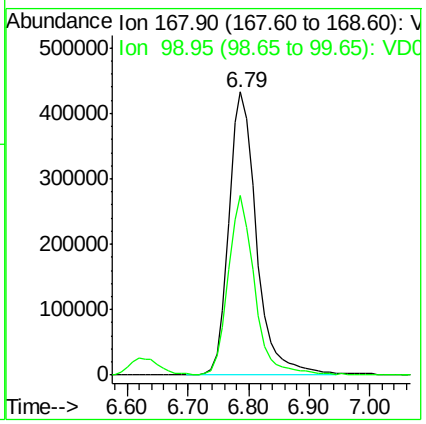


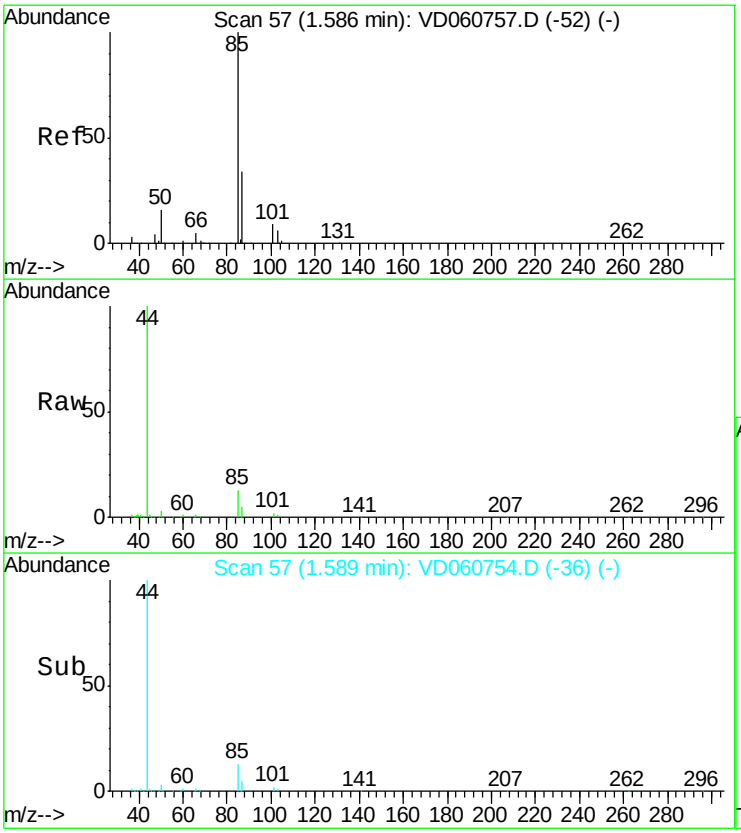

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.79 min Scan# 585
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 1370853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.3 | 38.7 | 58.1# |

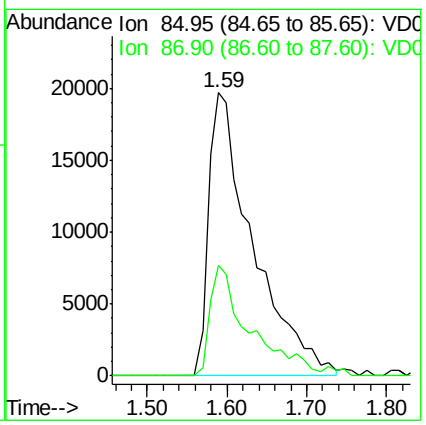


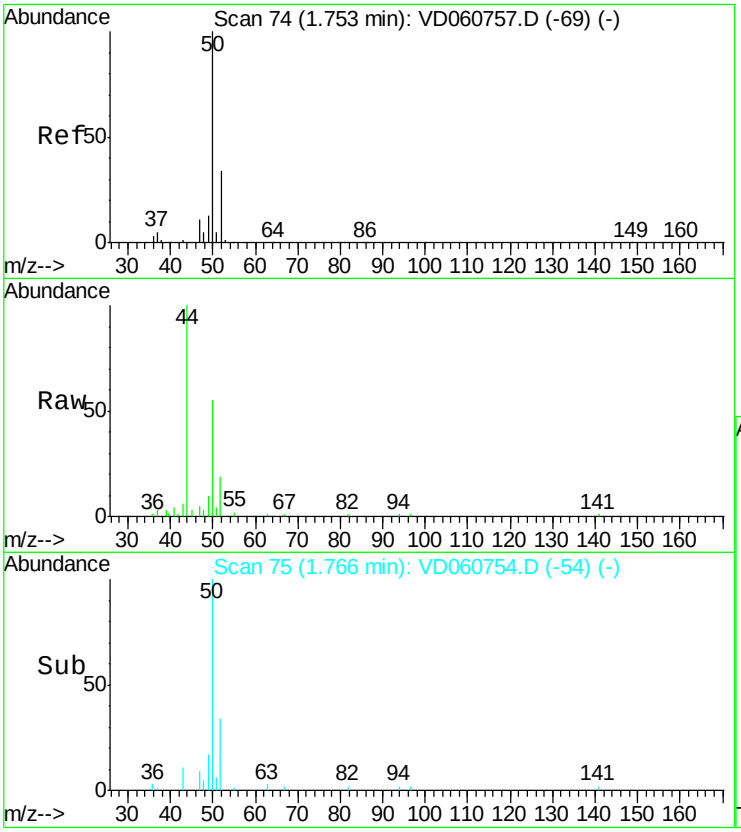




#2
Dichlorodifluoromethane
Concen: 4.347 ug/l
RT: 1.59 min Scan# 57
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 85 Resp: 76134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 39.2 | 16.0 | 47.9 |



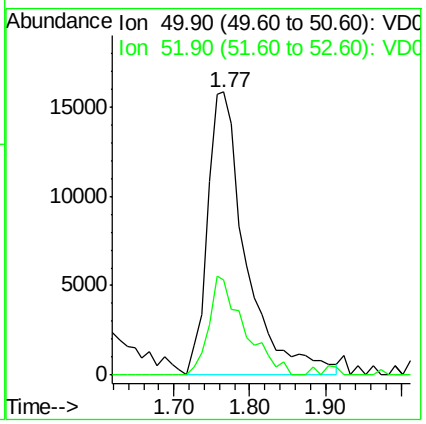


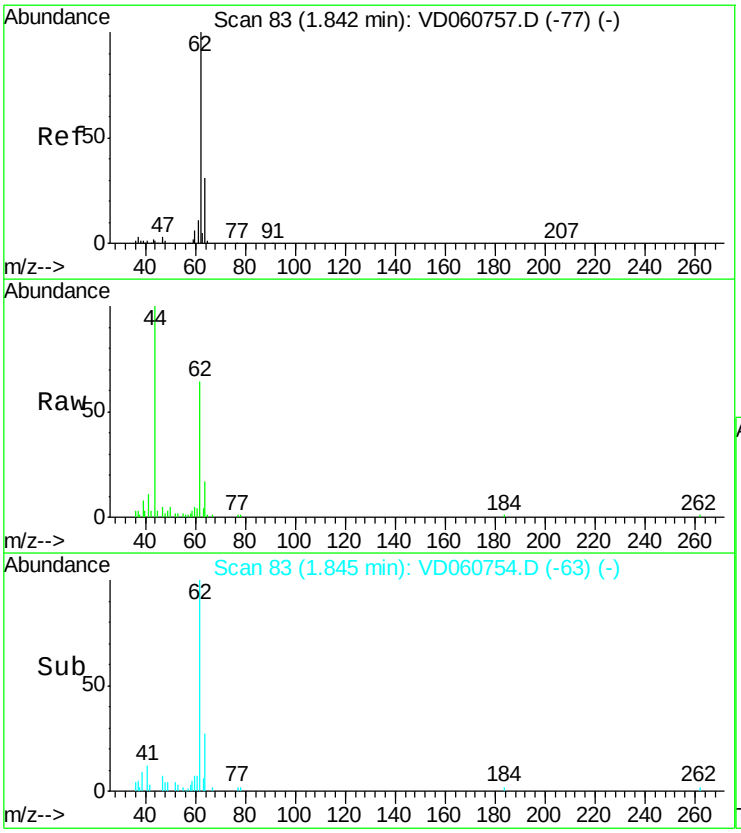

#3
Chloromethane
Concen: 3.478 ug/l
RT: 1.77 min Scan# 75
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 50 Resp: 56071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.6 | 39.8 |

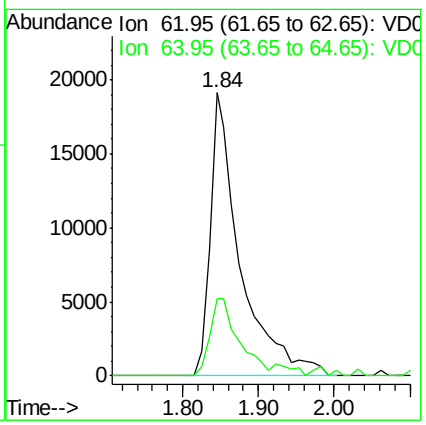


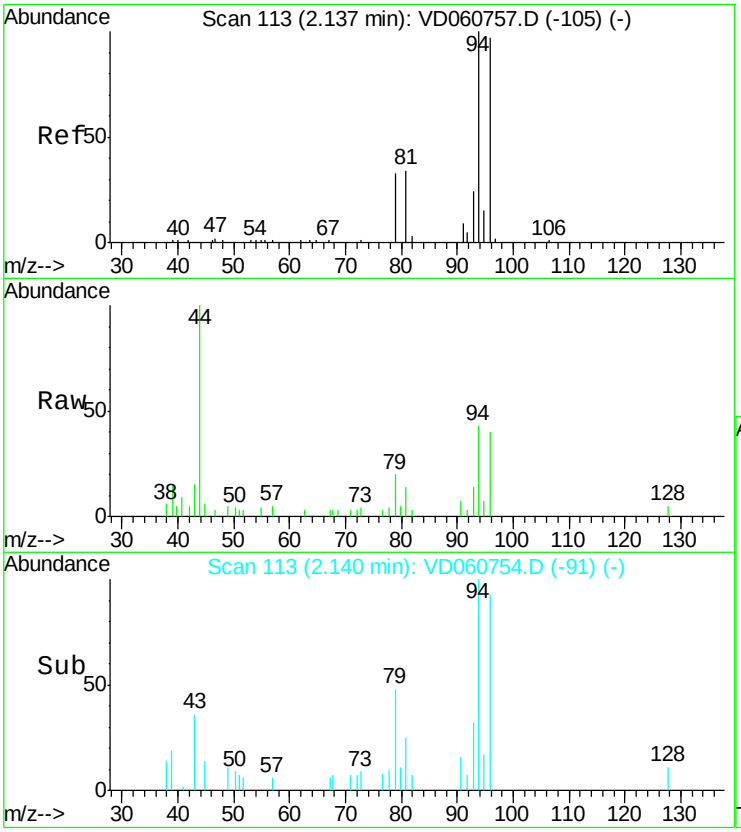




#4
Vinyl Chloride
Concen: 4.125 ug/l
RT: 1.84 min Scan# 83
Delta R.T. -0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 62 Resp: 52799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 27.4 | 25.0 | 37.6 |



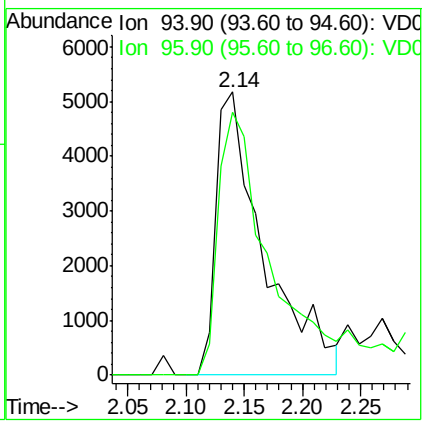


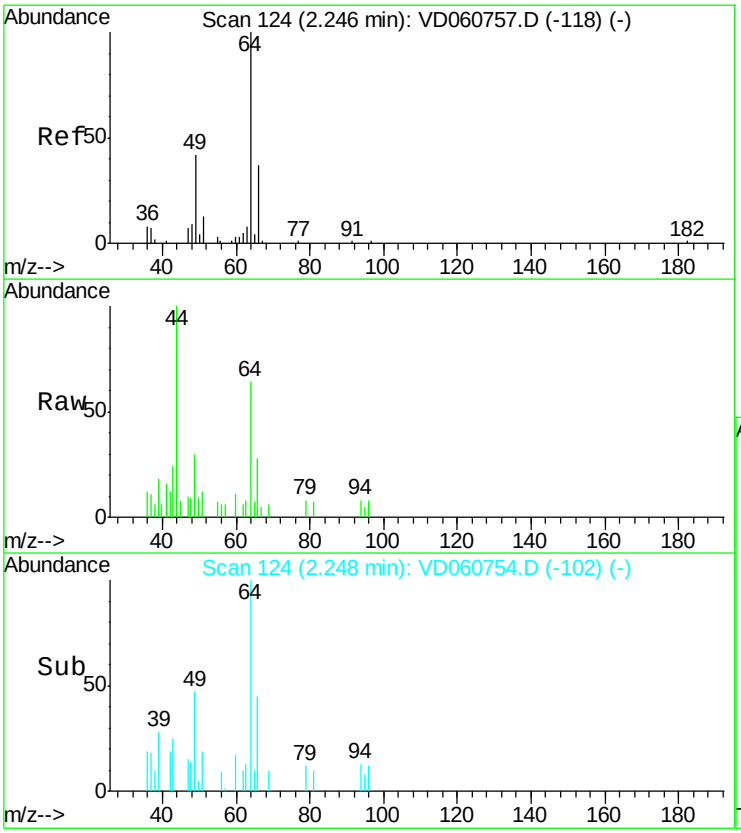

#5
Bromomethane
Concen: 5.137 ug/l
RT: 2.14 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 14728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.0 | 77.2 | 115.8 |

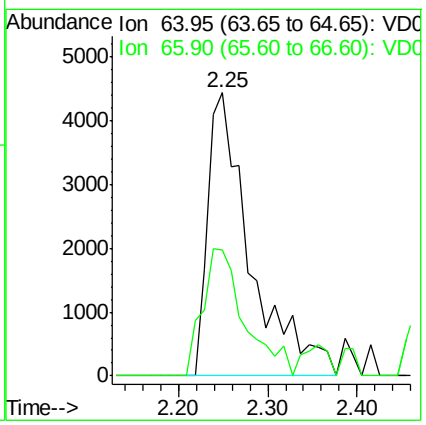


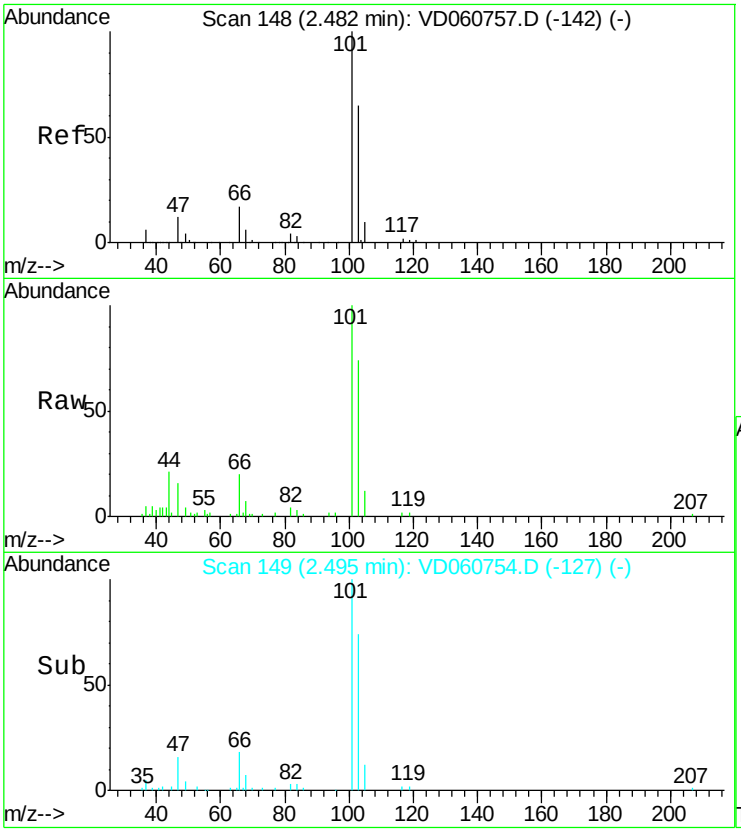




#6
Chloroethane
Concen: 3.871 ug/l
RT: 2.25 min Scan# 124
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 64 Resp: 14787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 44.7 | 25.6 | 38.4# |



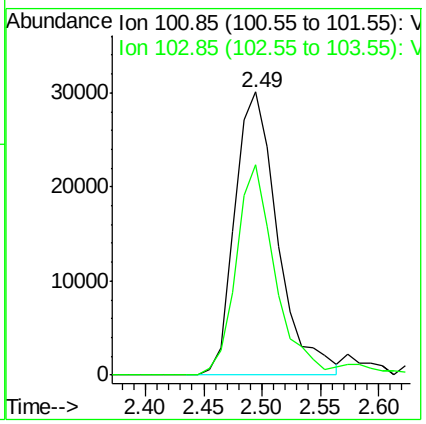


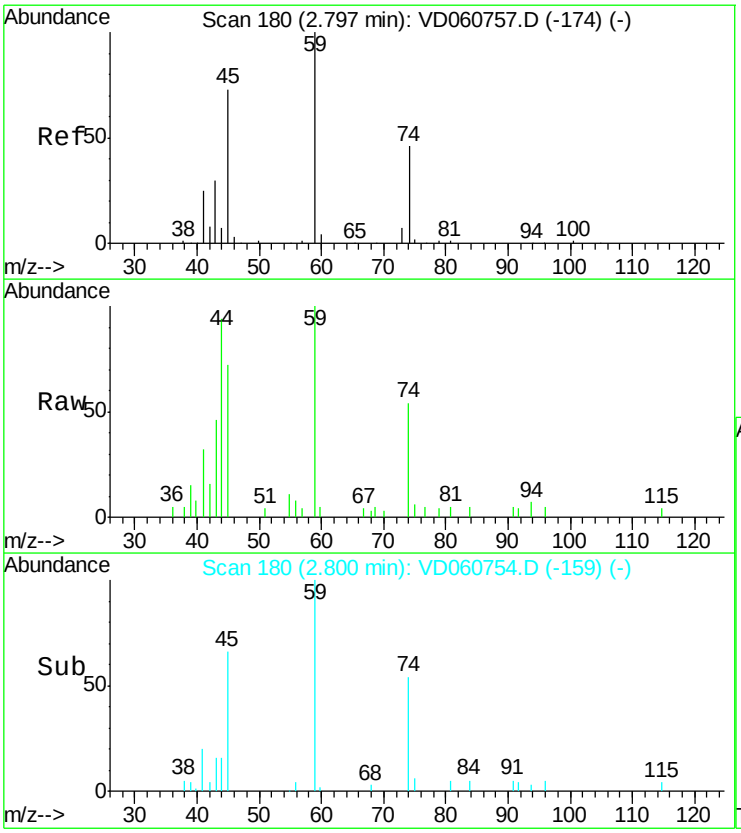

#7
Trichlorofluoromethane
Concen: 5.390 ug/l
RT: 2.49 min Scan# 149
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion:101 Resp: 76730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 74.4 | 51.9 | 77.9 |

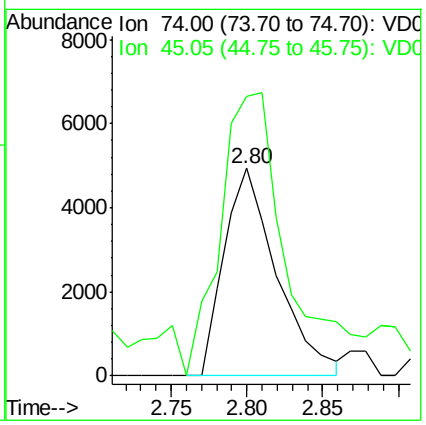


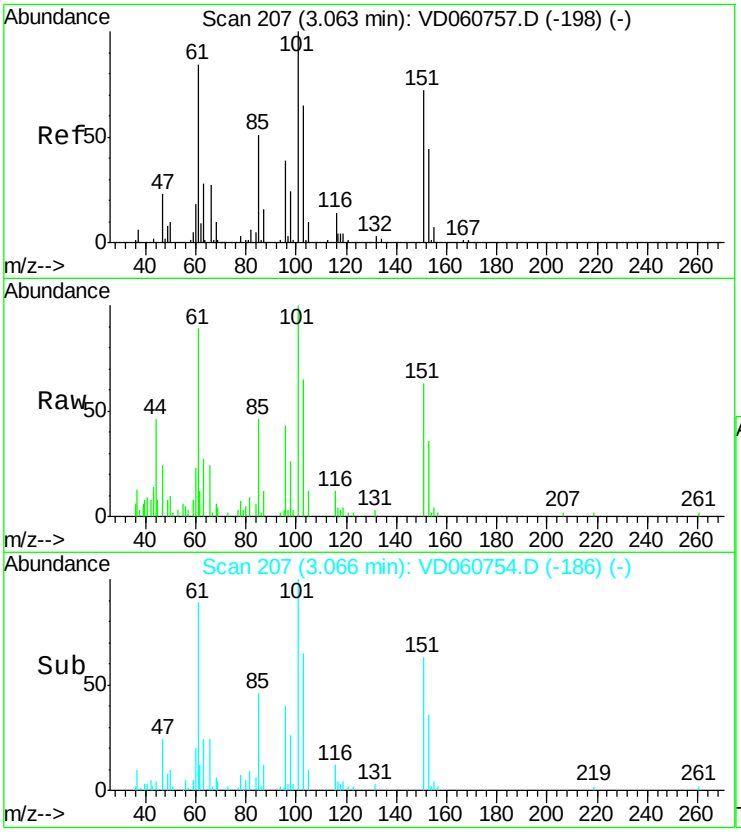




#8
Diethyl Ether
Concen: 5.016 ug/l
RT: 2.80 min Scan# 180
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 74 Resp: 11946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 135.1 | 79.3 | 238.1 |



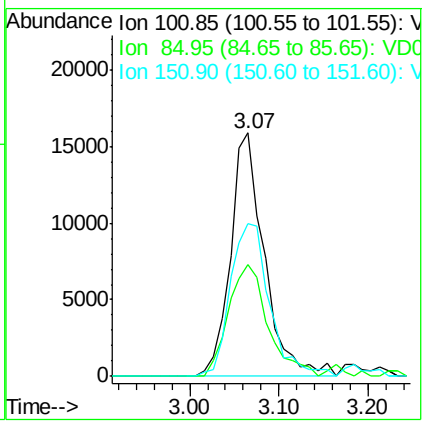


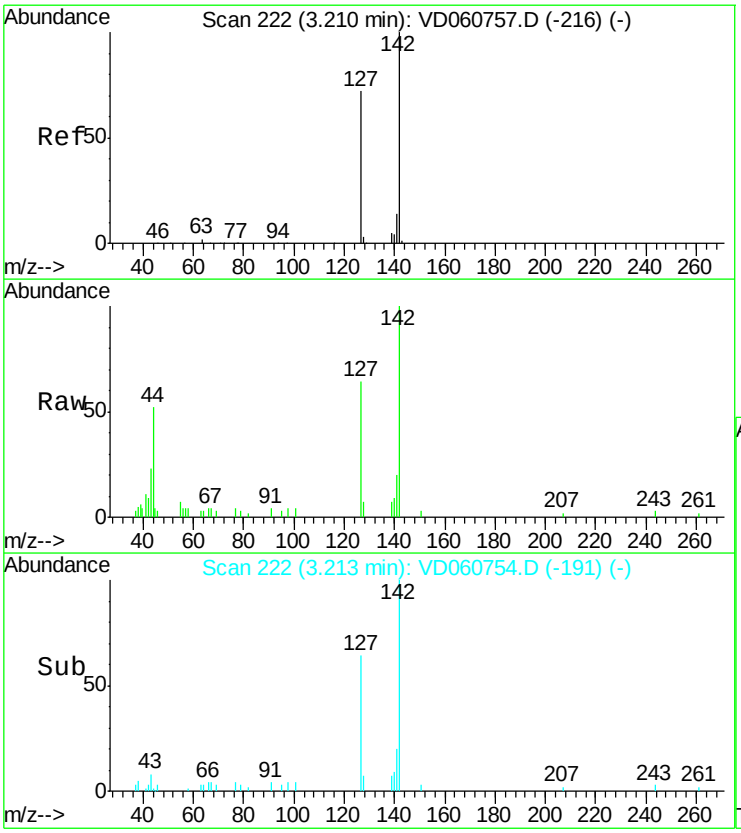

#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.556 ug/l
RT: 3.07 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 42071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 33.4 | 50.0 |
| 151 | 62.8 | 47.5 | 71.3 |

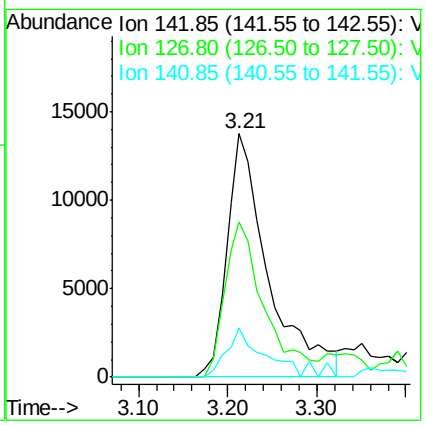


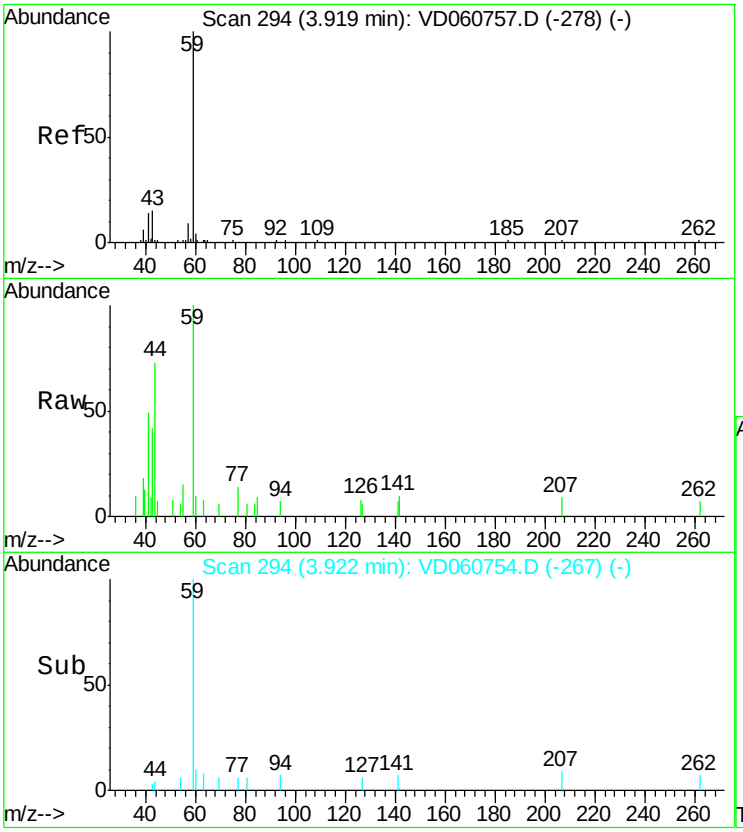




#10
Methyl Iodide
Concen: 4.605 ug/l
RT: 3.21 min Scan# 222
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:142 Resp: 44693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 63.9 | 39.5 | 59.3# |
| 141 | 20.3 | 11.3 | 16.9# |



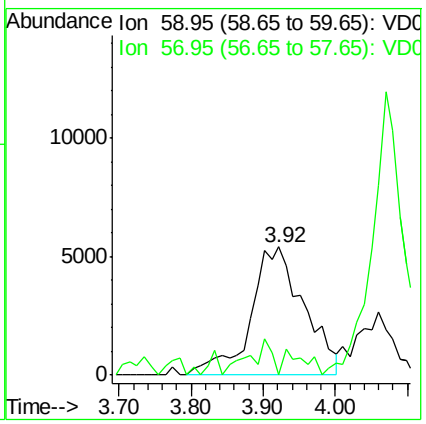


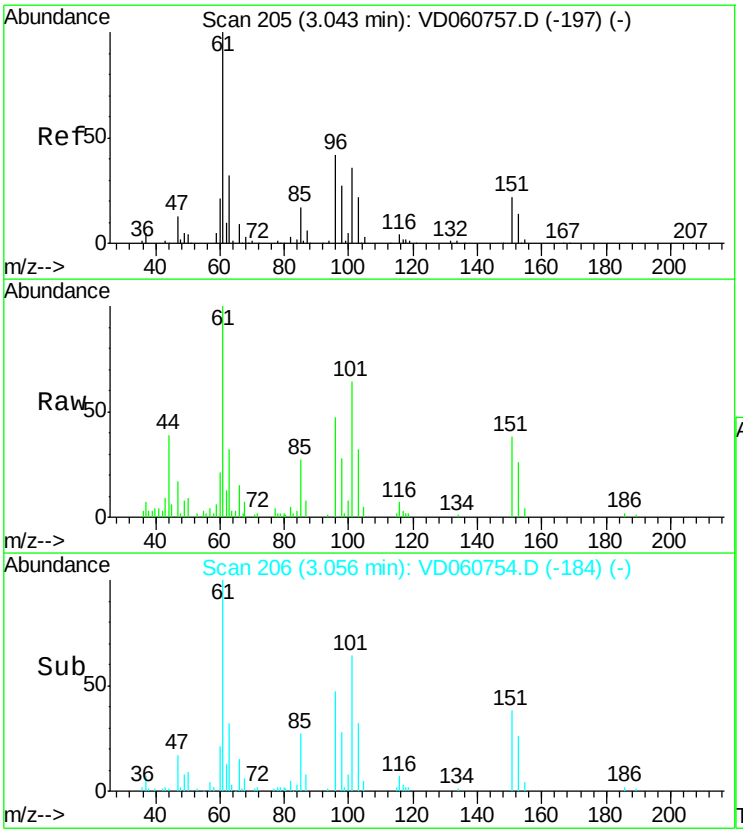

#11
Tert butyl alcohol
Concen: 69.976 ug/l
RT: 3.92 min Scan# 294
Delta R.T. 0.06 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 27705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.6# |

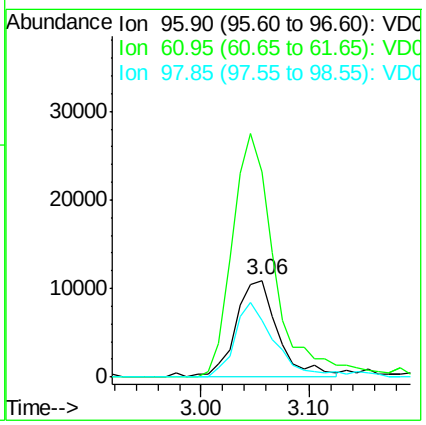


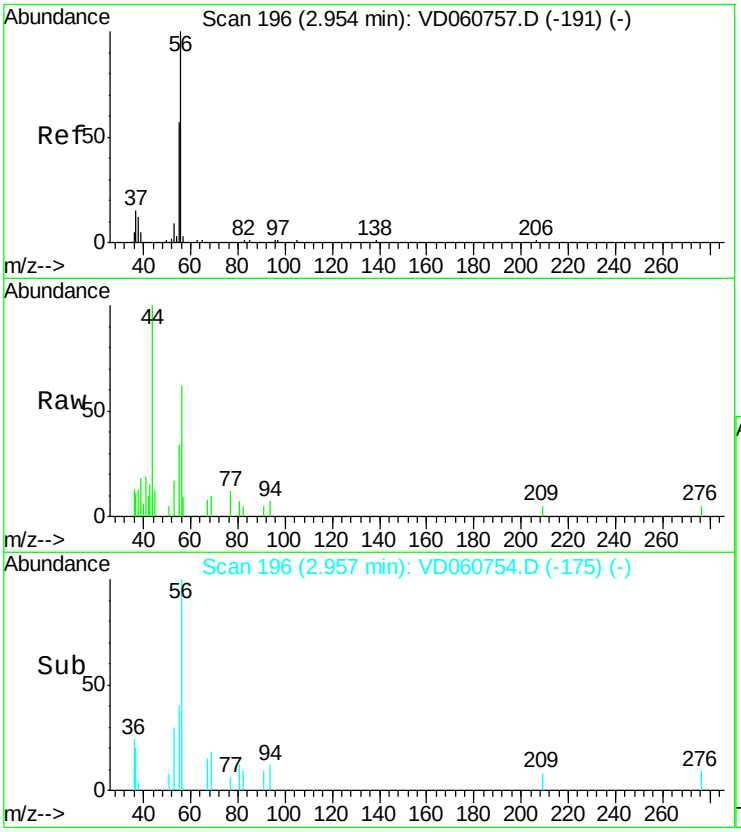




#12
1,1-Dichloroethene
Concen: 3.902 ug/l
RT: 3.06 min Scan# 206
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 96 Resp: 29608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 212.0 | 136.2 | 204.4# |
| 98 | 58.9 | 50.7 | 76.1 |



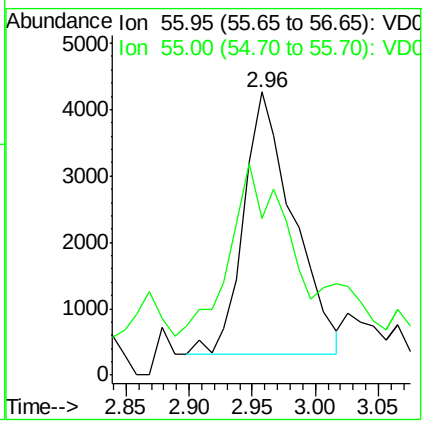


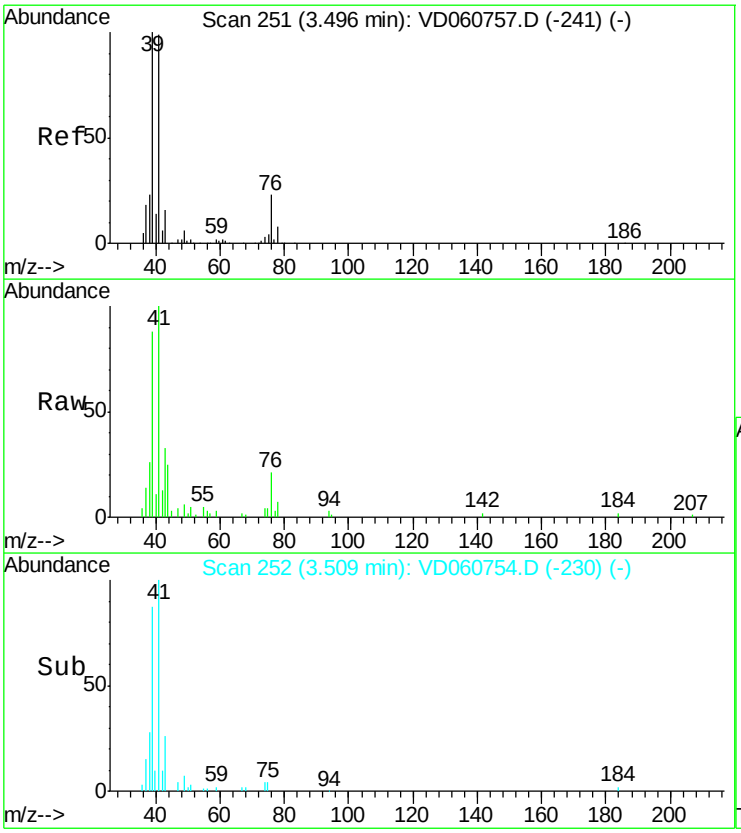

#13
Acrolein
Concen: 26.753 ug/l
RT: 2.96 min Scan# 196
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 10794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 55.3 | 57.7 | 86.5# |

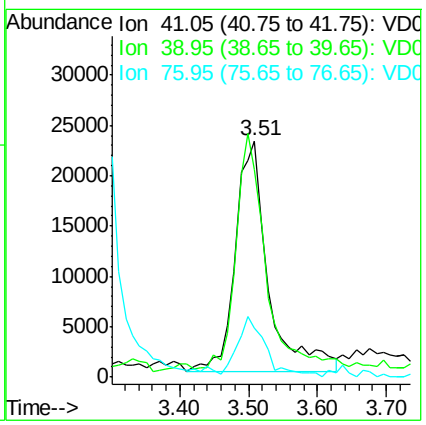


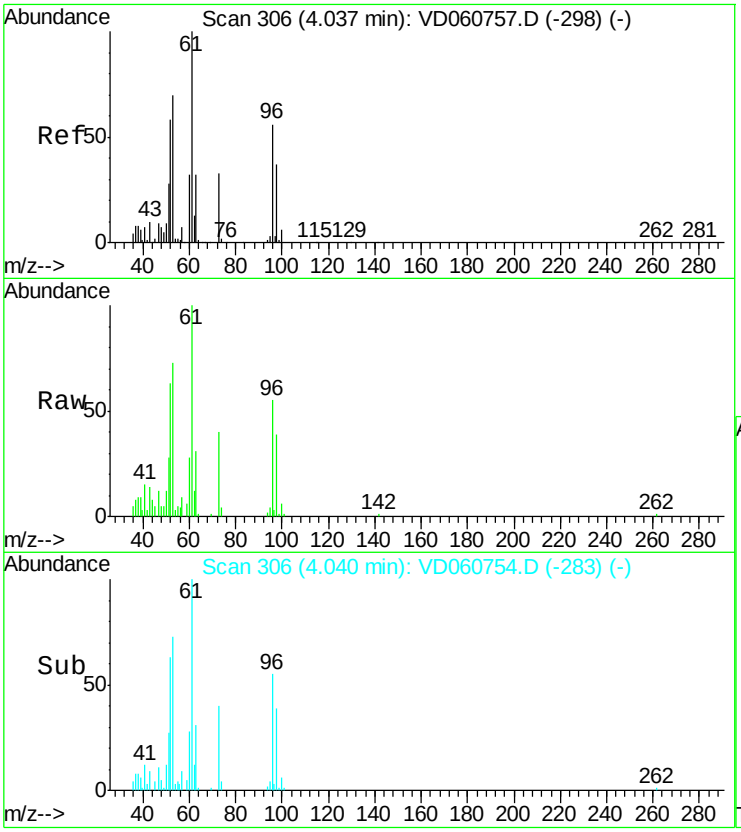




#14
Allyl chloride
Concen: 5.441 ug/l
RT: 3.51 min Scan# 252
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 41 Resp: 75750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 88.0 | 59.6 | 89.4 |
| 76 | 20.7 | 21.8 | 32.6# |



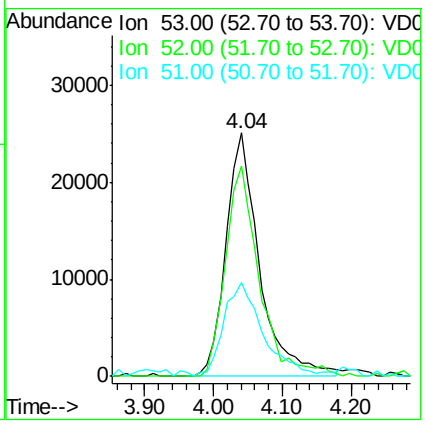


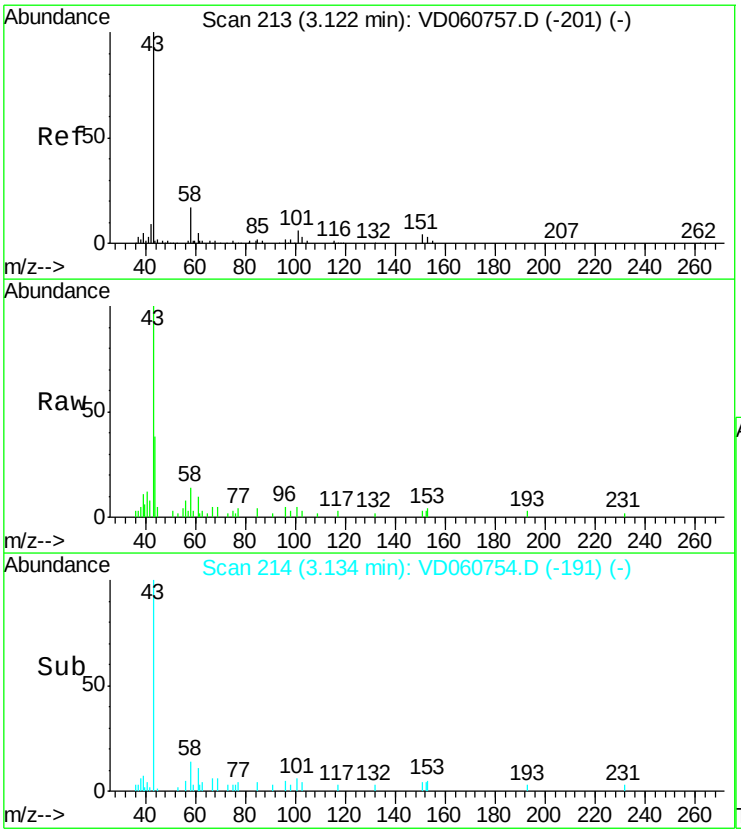

#15
Acrylonitrile
Concen: 36.954 ug/l
RT: 4.04 min Scan# 306
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 84942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 86.2 | 66.7 | 100.1 |
| 51 | 38.6 | 32.7 | 49.1 |

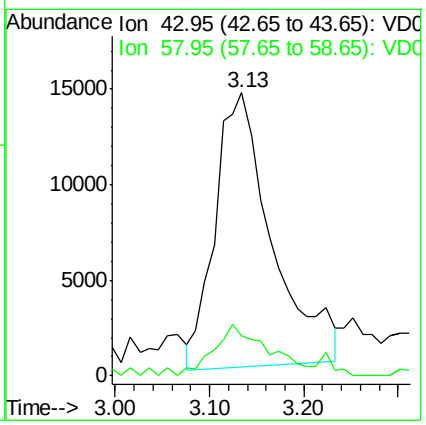


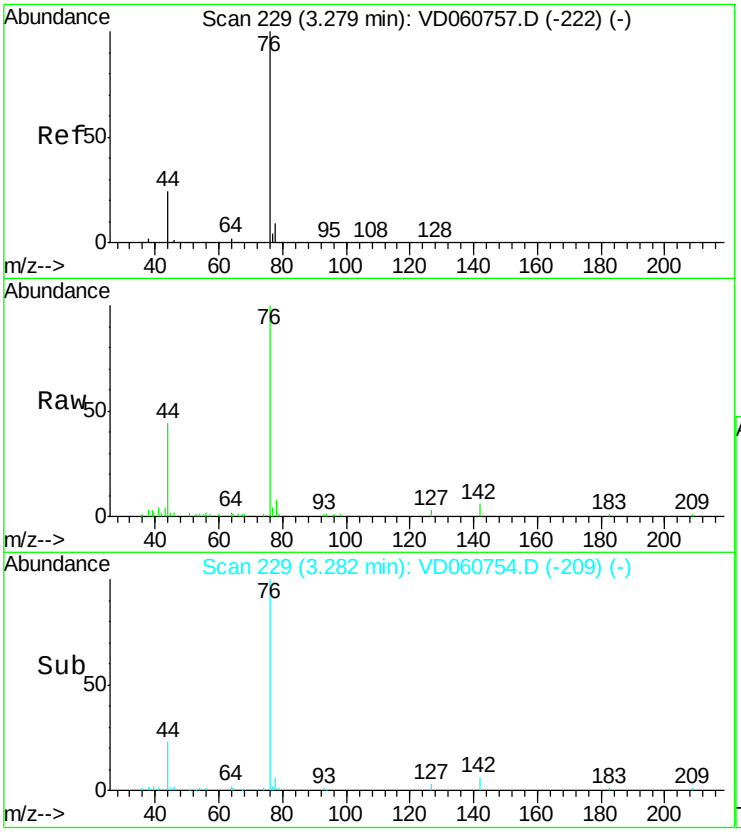




#16
Acetone
Concen: 36.526 ug/l m
RT: 3.13 min Scan# 214
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 43 Resp: 60430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.3 | 18.2 | 27.2# |



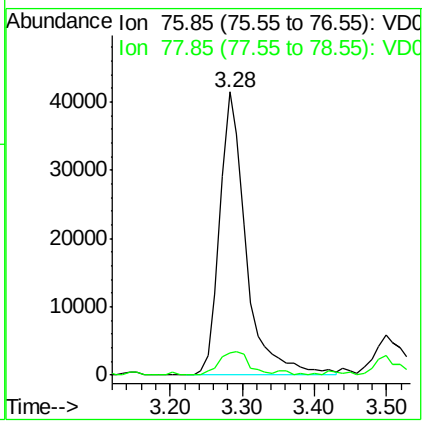


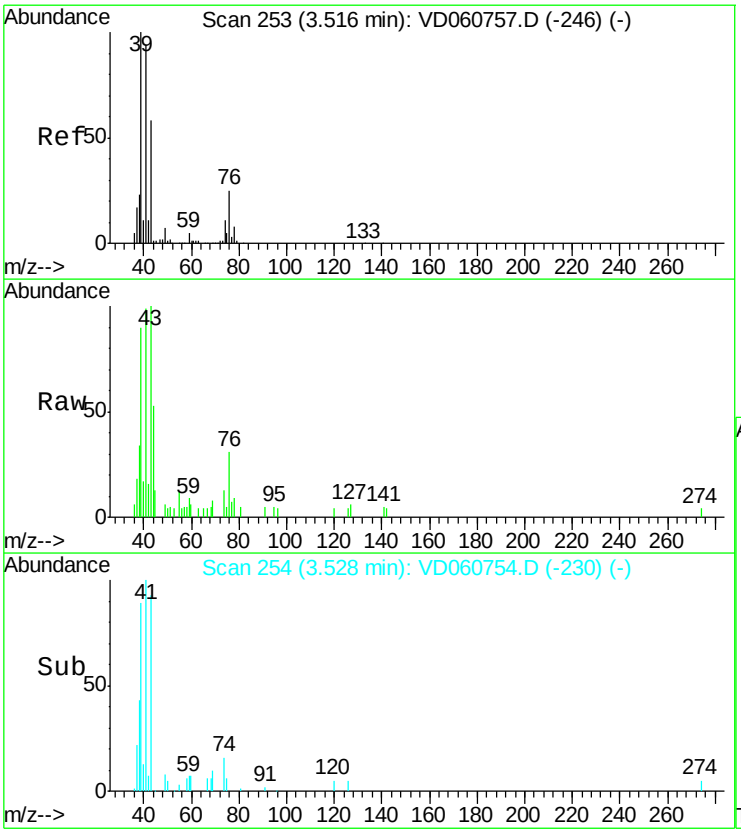

#17
Carbon Disulfide
Concen: 4.335 ug/l
RT: 3.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 105046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.9 | 7.4 | 11.0 |

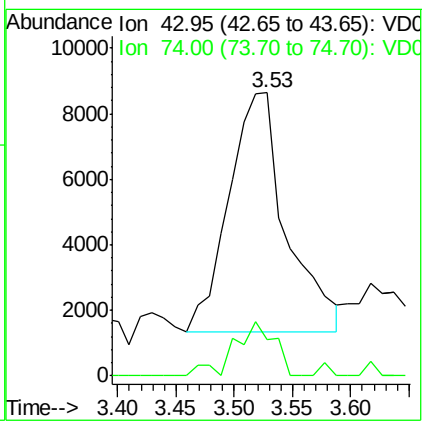


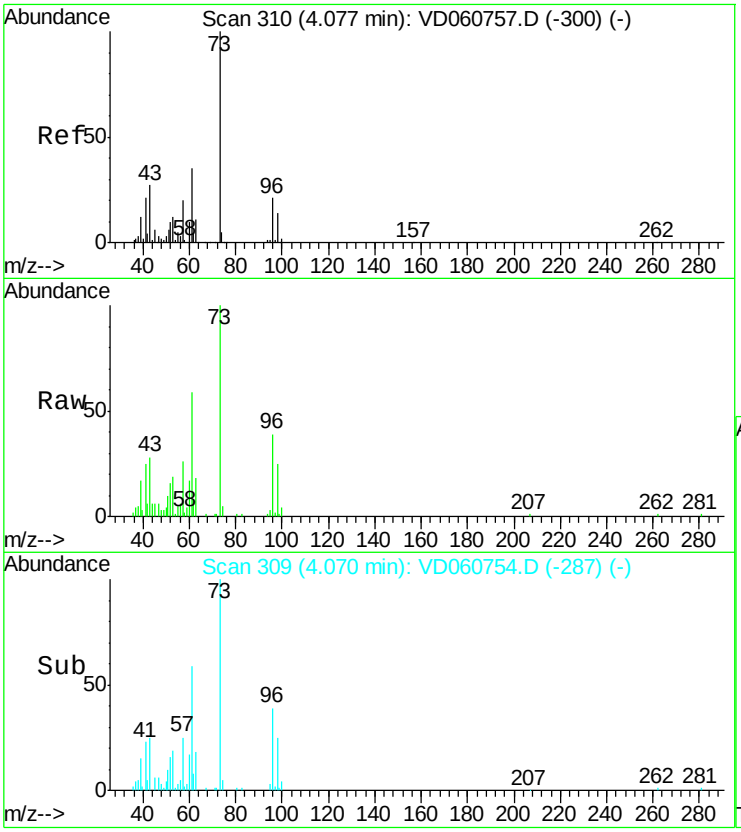




#18
Methyl Acetate
Concen: 6.066 ug/l
RT: 3.53 min Scan# 254
Delta R.T. 0.03 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 43 Resp: 24871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 13.0 | 12.4 | 18.6 |



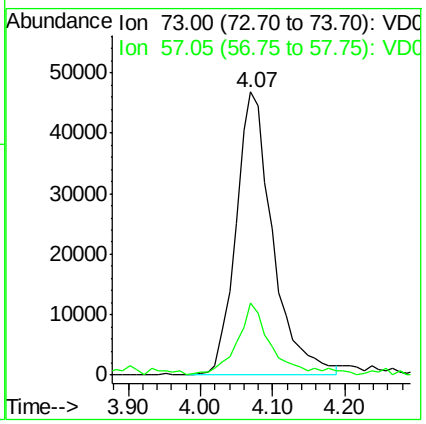


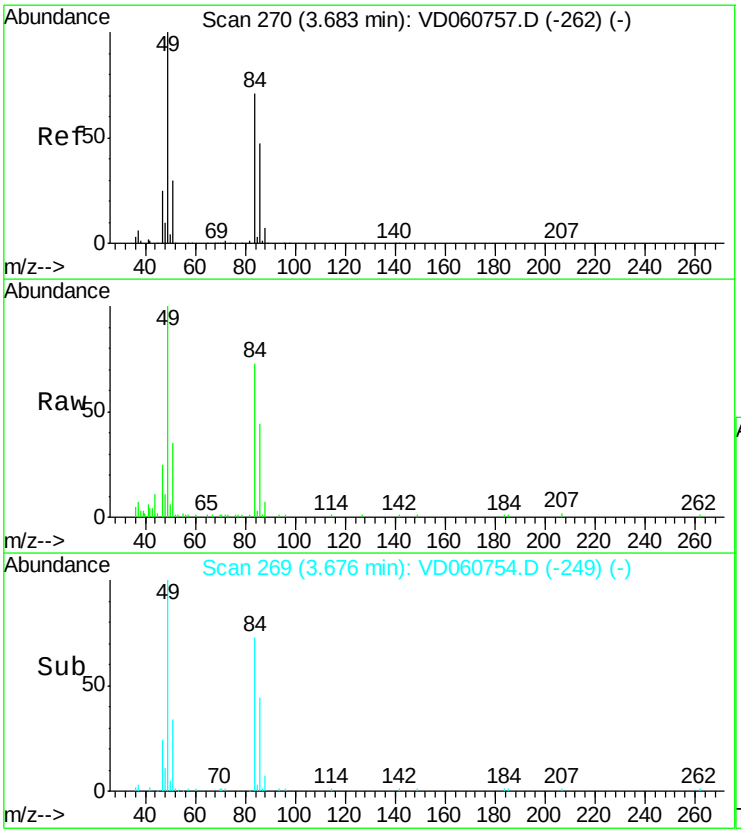

#19
Methyl tert-butyl Ether
Concen: 8.621 ug/l
RT: 4.07 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 165955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 25.5 | 17.6 | 26.4 |

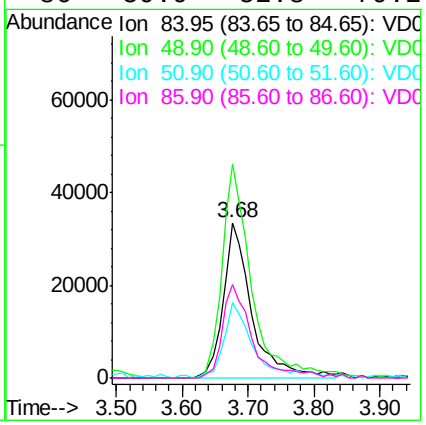


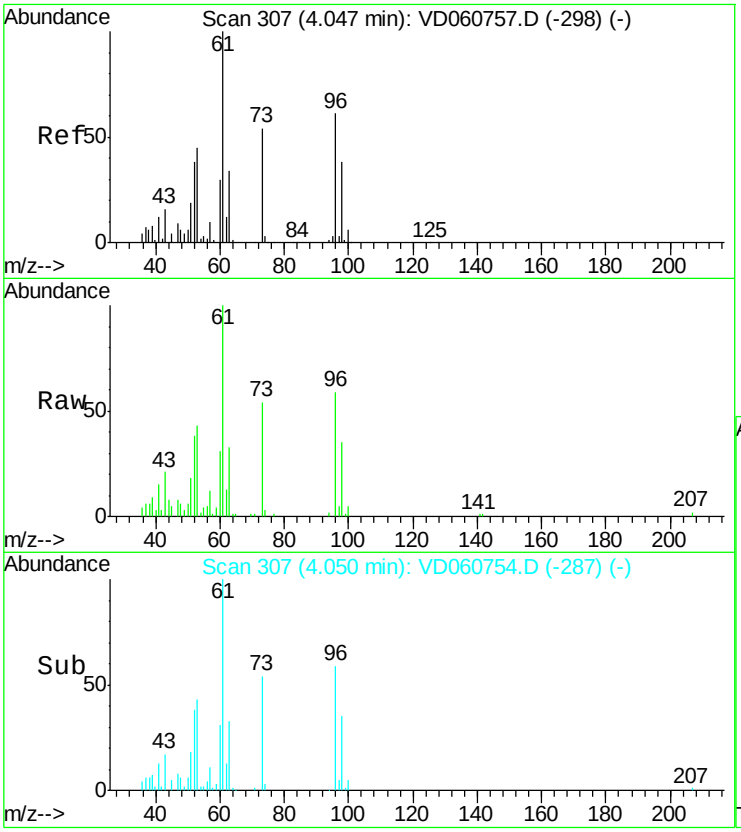




#20
Methylene Chloride
Concen: 5.921 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 84 Resp: 101739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.6 | 113.6 | 170.4 |
| 51 | 48.8 | 34.7 | 52.1 |
| 86 | 59.9 | 52.8 | 79.2 |



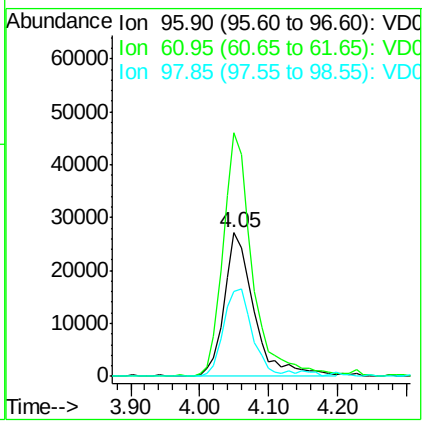


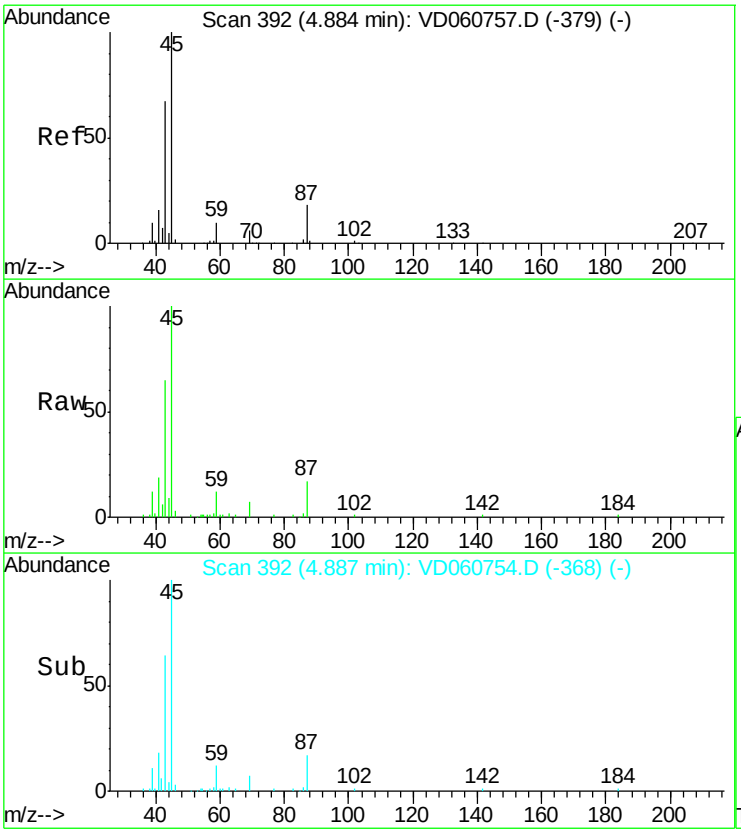

#21
trans-1,2-Dichloroethene
Concen: 5.228 ug/l
RT: 4.05 min Scan# 307
Delta R.T. -0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 81234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.7 | 104.2 | 156.2# |
| 98 | 59.2 | 51.2 | 76.8 |

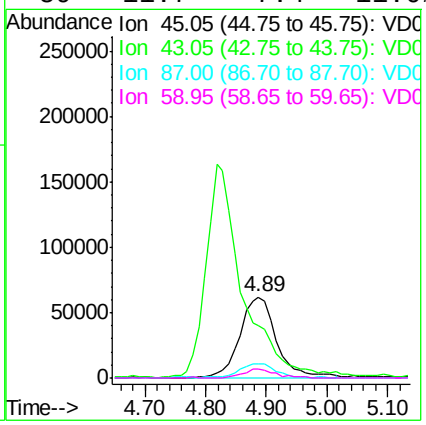


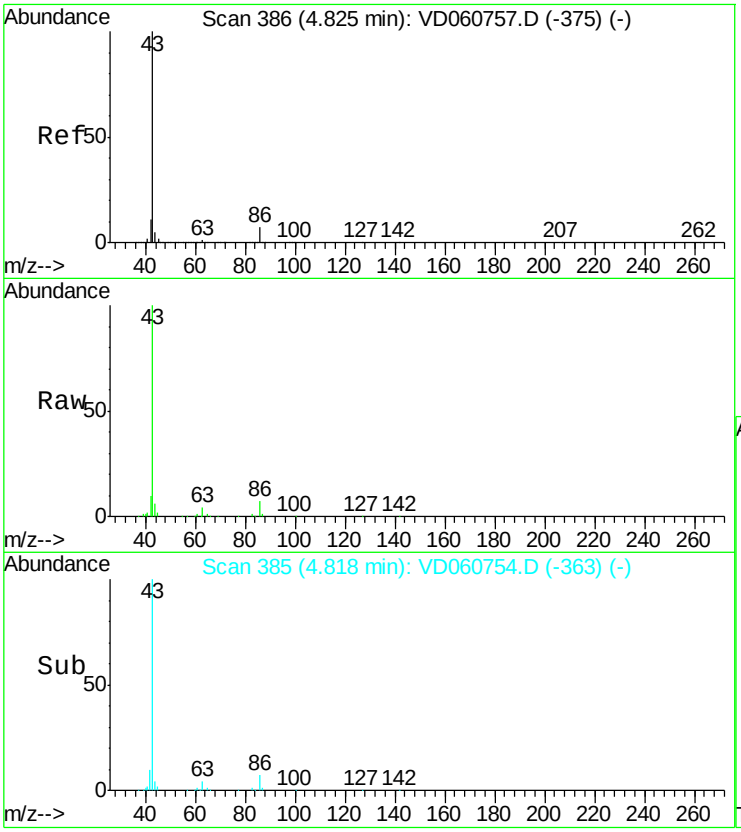




#22
Diisopropyl ether
Concen: 5.507 ug/l
RT: 4.89 min Scan# 392
Delta R.T. 0.03 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 45 Resp: 260309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 65.2 | 46.1 | 69.1 |
| 87 | 16.7 | 13.7 | 20.5 |
| 59 | 11.7 | 7.4 | 11.0# |



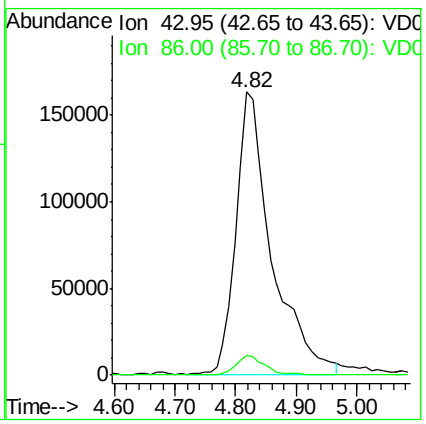


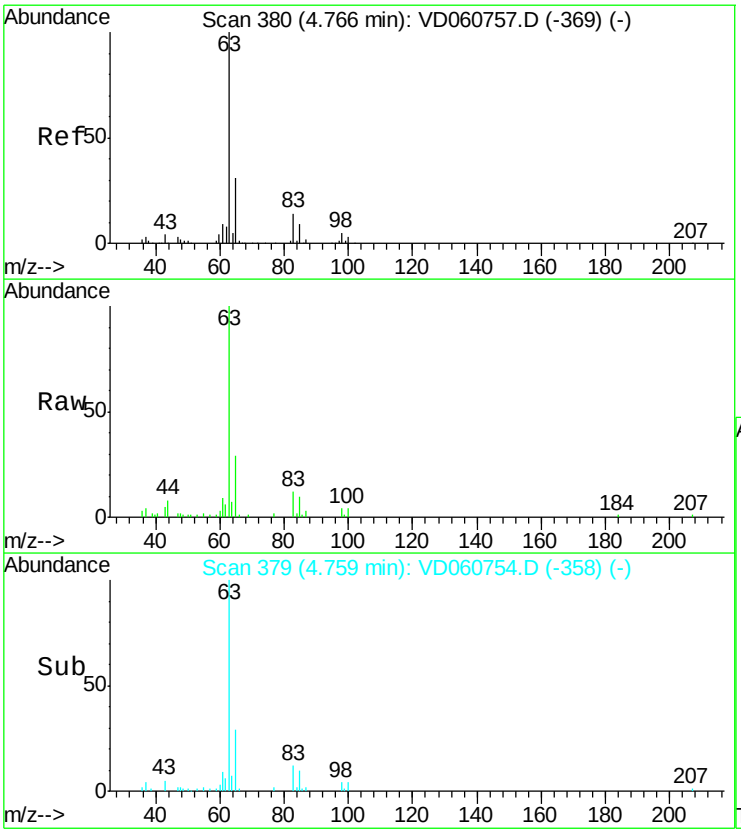

#23
Vinyl Acetate
Concen: 29.137 ug/l
RT: 4.82 min Scan# 385
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 43 Resp: 666352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 6.8 | 5.6 | 8.4 |

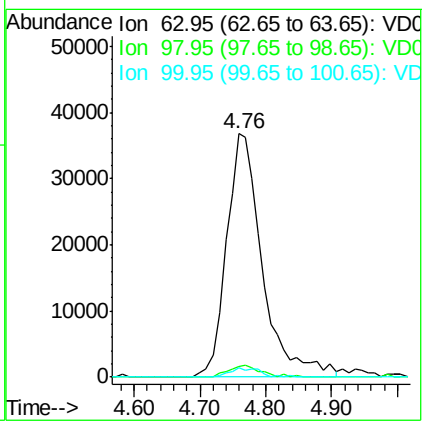


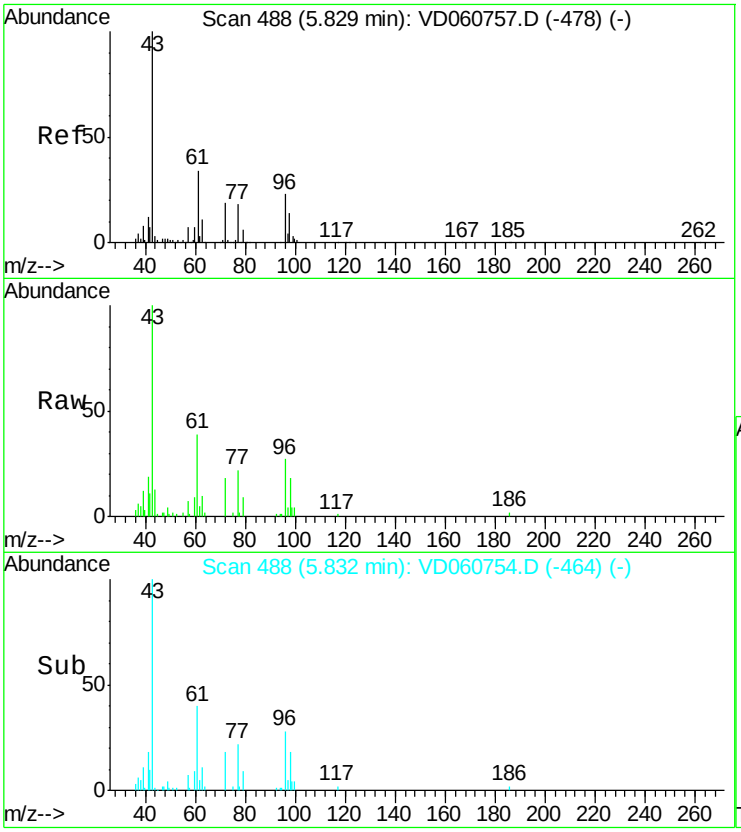




#24
1,1-Dichloroethane
Concen: 5.638 ug/l
RT: 4.76 min Scan# 379
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 63 Resp: 140190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.4 | 2.9 | 8.7 |
| 100 | 3.9 | 2.0 | 5.8 |



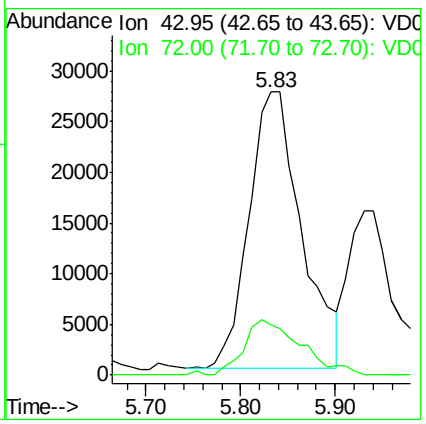


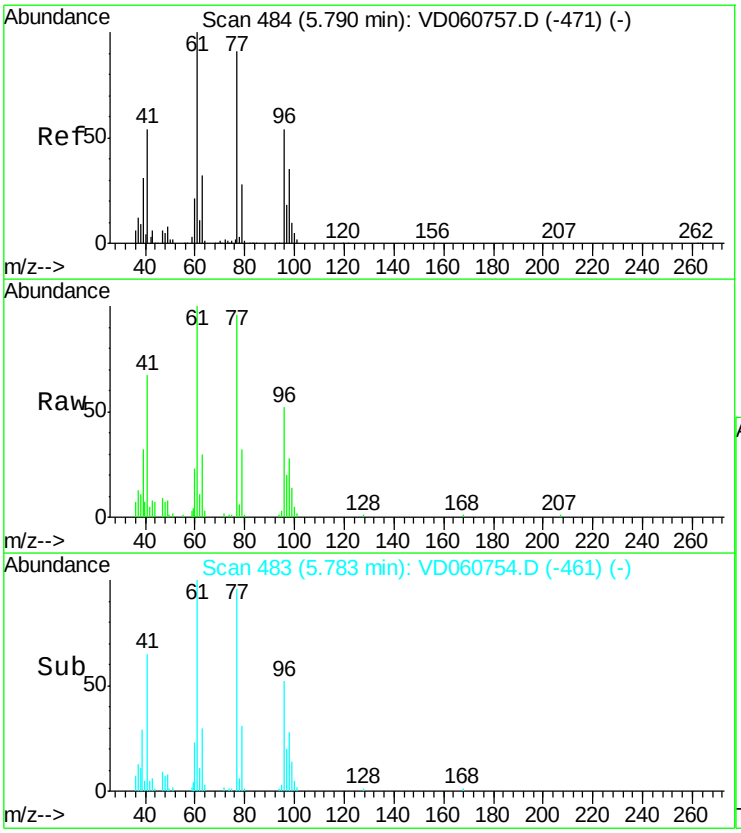

#25
2-Butanone
Concen: 33.212 ug/l
RT: 5.83 min Scan# 488
Delta R.T. 0.03 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 105146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.8 | 13.7 | 20.5 |

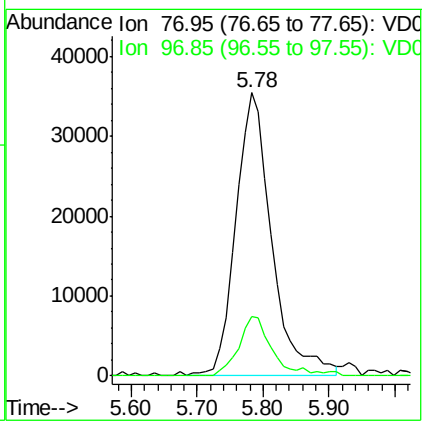


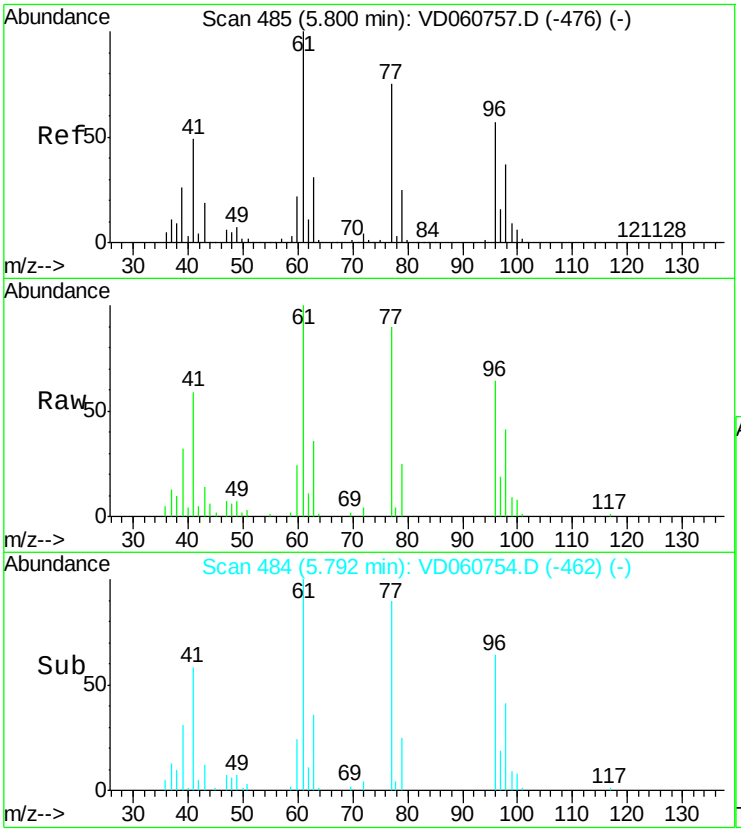




#26
2,2-Dichloropropane
Concen: 6.924 ug/l
RT: 5.78 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 77 Resp: 135895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 13.0 | 39.0 |



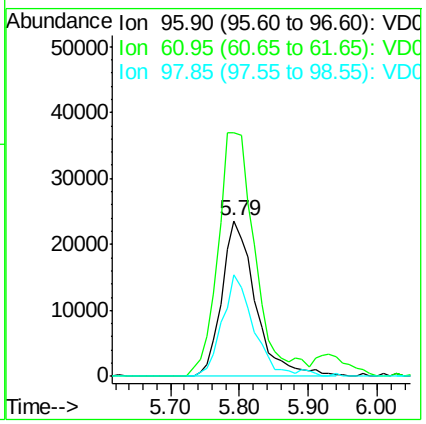


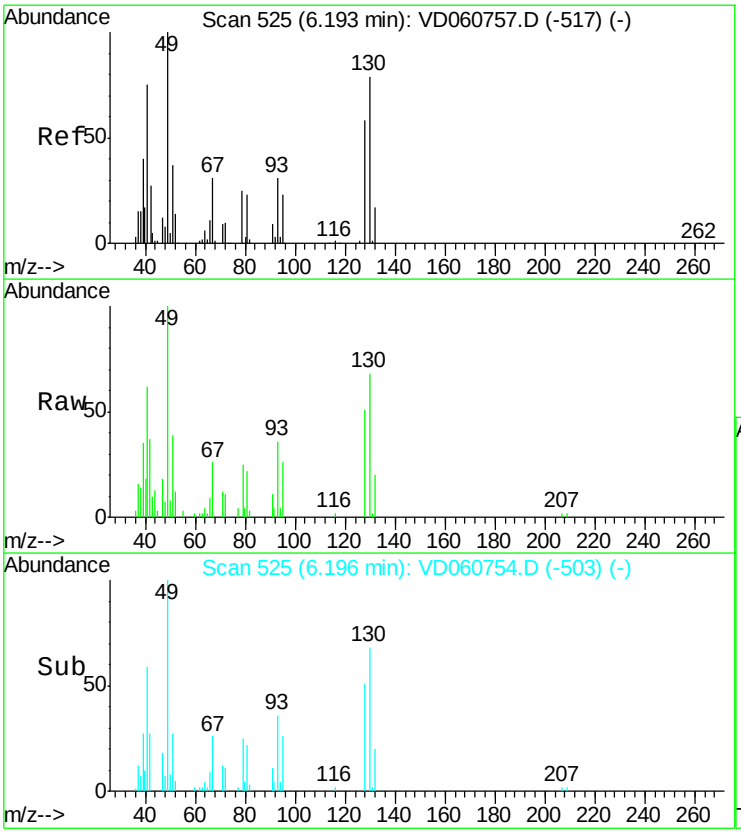

#27
cis-1,2-Dichloroethene
Concen: 5.083 ug/l
RT: 5.79 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 80184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.5 | 0.0 | 259.4 |
| 98 | 64.9 | 0.0 | 130.0 |

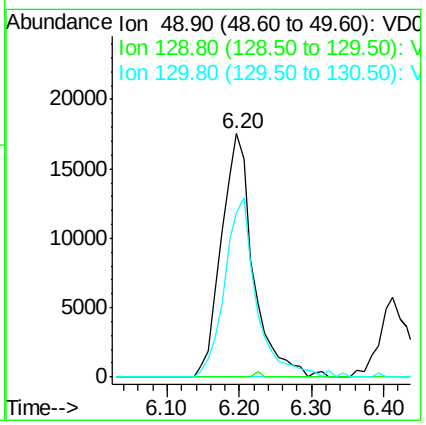


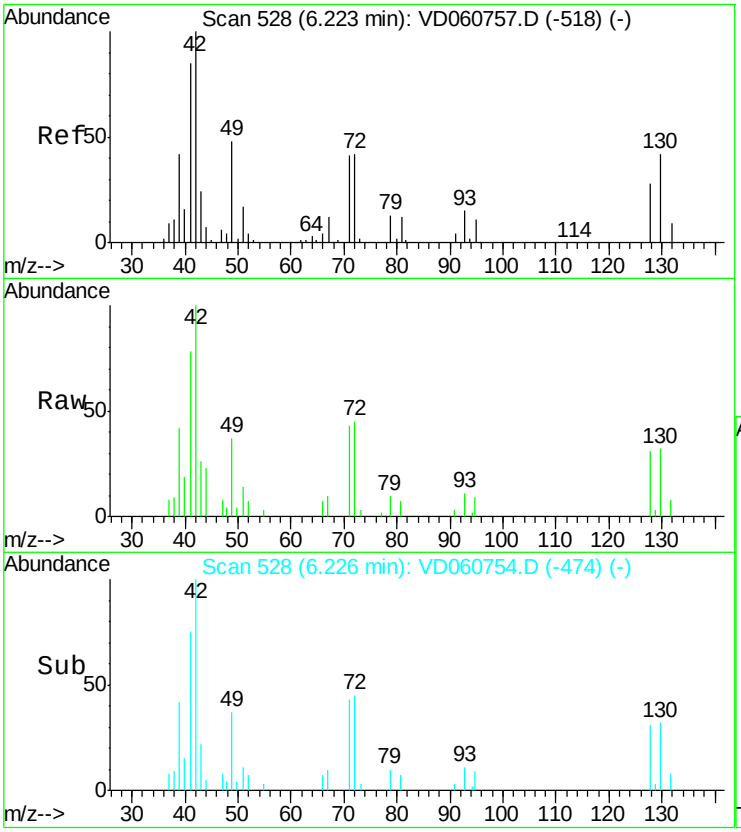




#28
Bromochloromethane
Concen: 5.125 ug/l
RT: 6.20 min Scan# 525
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 49 Resp: 53832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.4 |
| 130 | 67.6 | 56.2 | 84.2 |



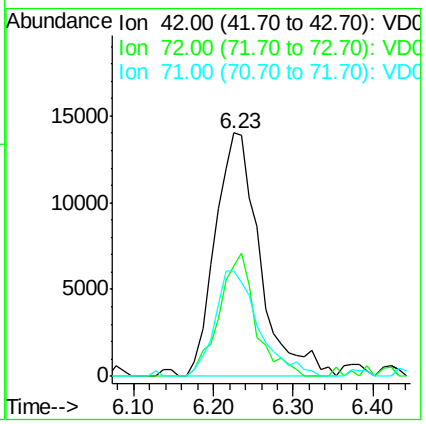


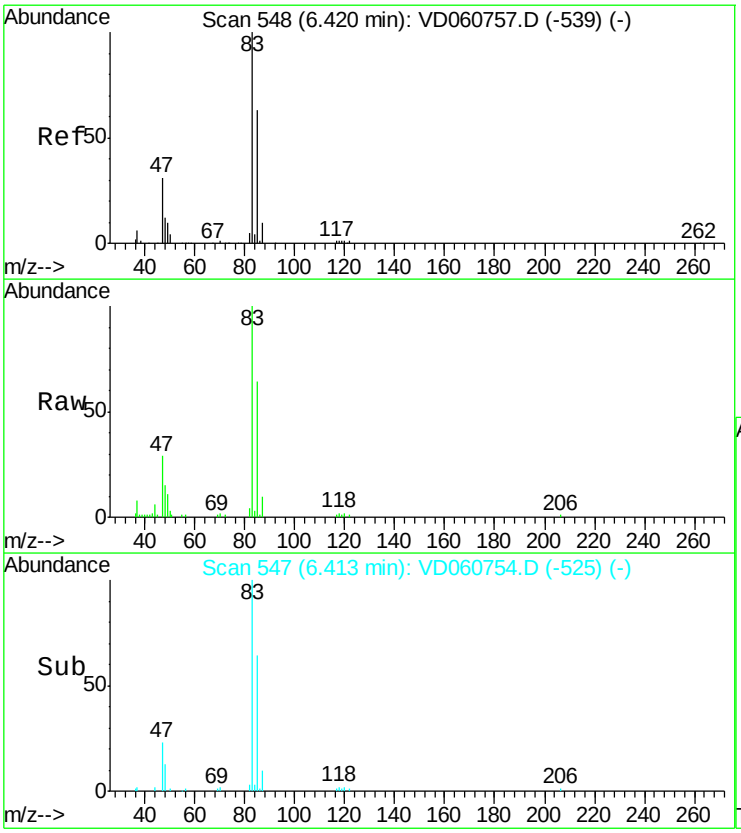

#29
Tetrahydrofuran
Concen: 30.560 ug/l
RT: 6.23 min Scan# 528
Delta R.T. 0.03 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 54847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.2 | 28.0 | 42.0 |
| 71 | 42.5 | 27.0 | 40.6# |

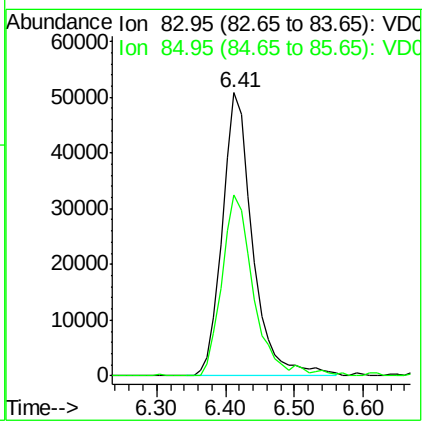


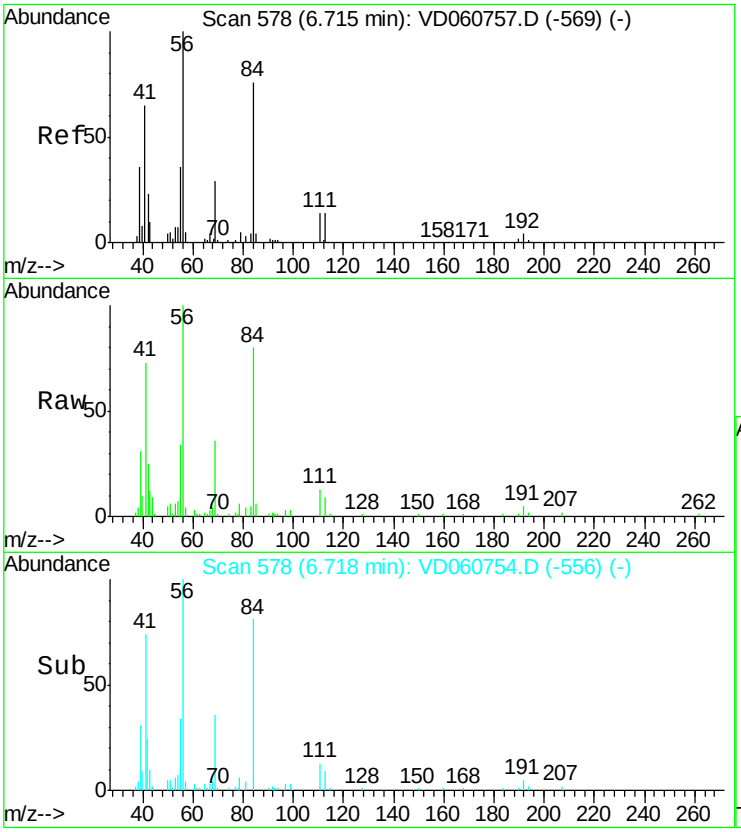




#30
Chloroform
Concen: 6.171 ug/l
RT: 6.41 min Scan# 547
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 83 Resp: 154385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 53.0 | 79.6 |



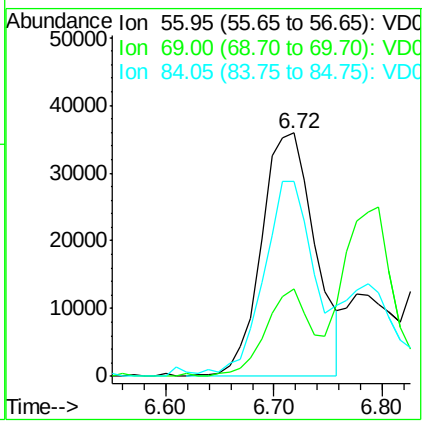


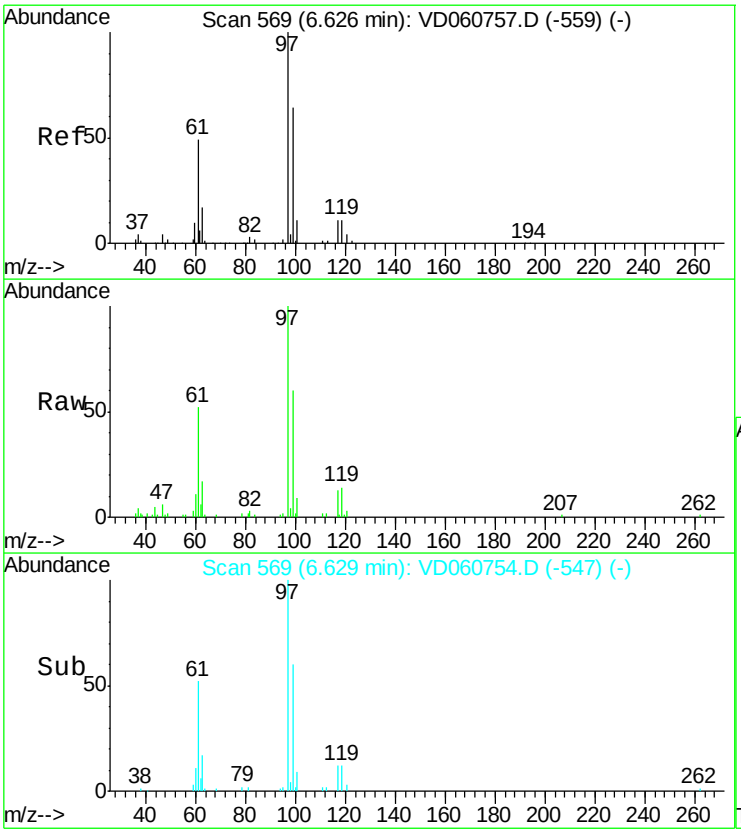

#31
Cyclohexane
Concen: 5.188 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 56 Resp: 124141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 35.8 | 23.6 | 35.4# |
| 84 | 80.2 | 65.8 | 98.6 |

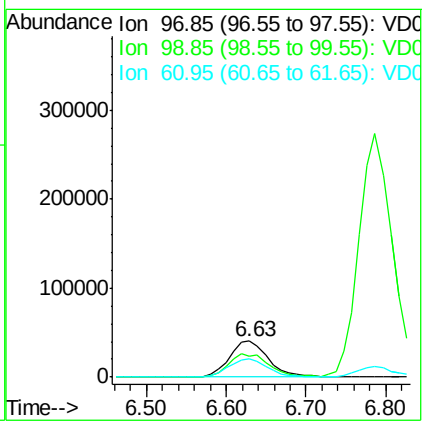


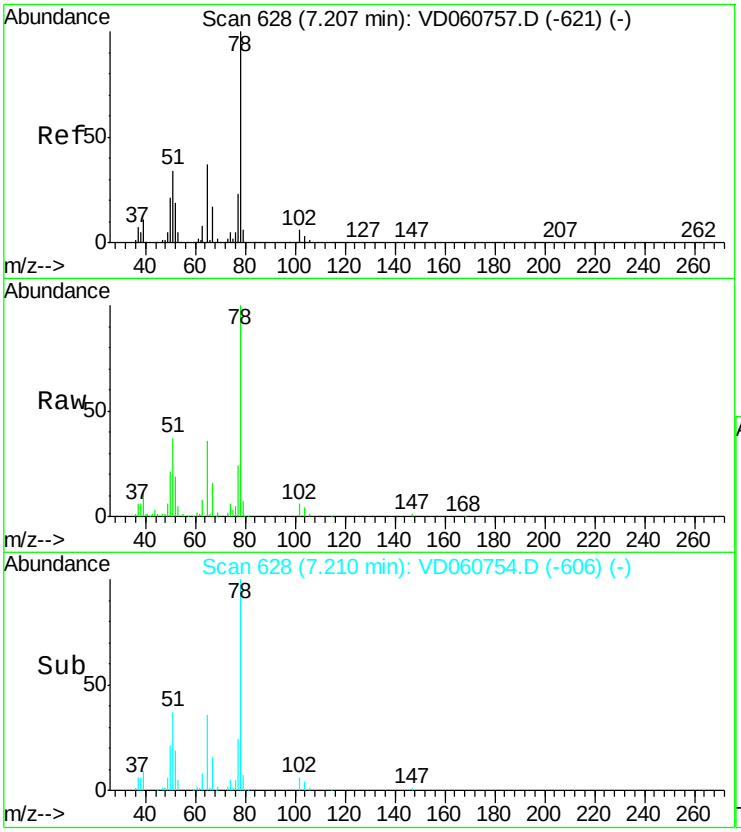




#32
1,1,1-Trichloroethane
Concen: 6.651 ug/l
RT: 6.63 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 97 Resp: 137677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.0 | 50.5 | 75.7 |
| 61 | 52.4 | 34.6 | 51.8# |



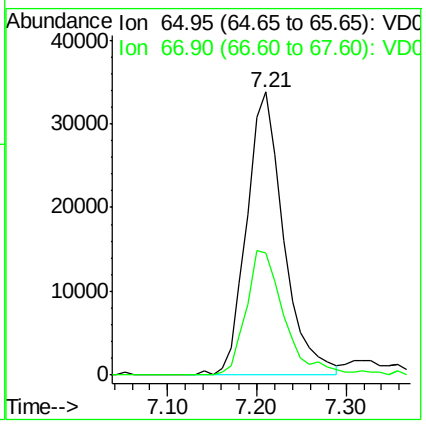


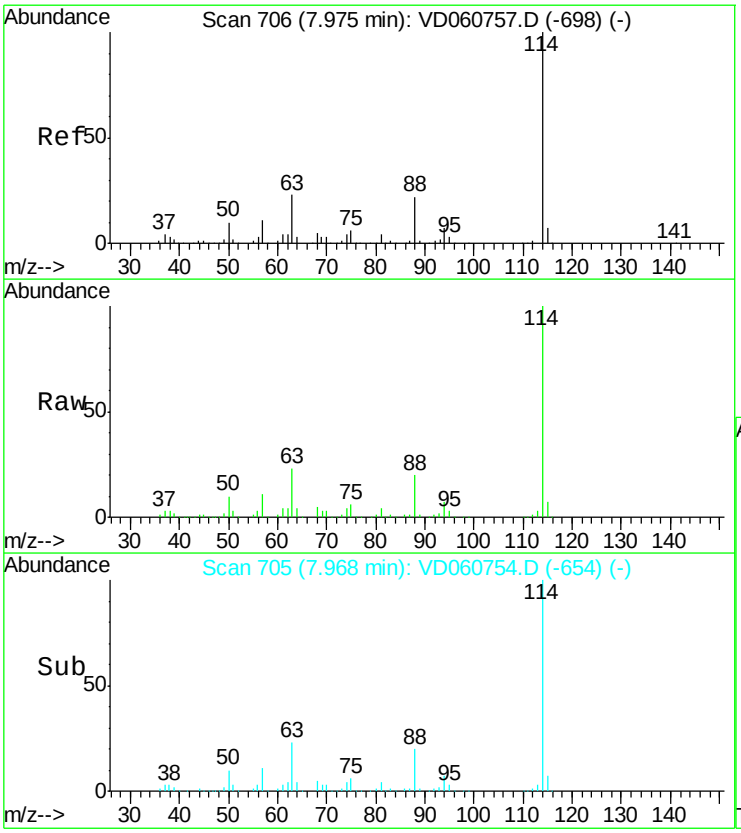

#33
1,2-Dichloroethane-d4
Concen: 6.651 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 65 Resp: 96573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 43.3 | 0.0 | 105.4 |

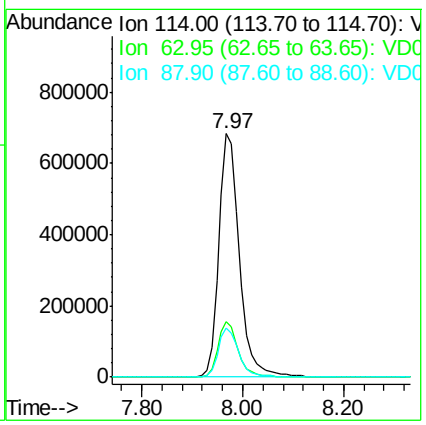


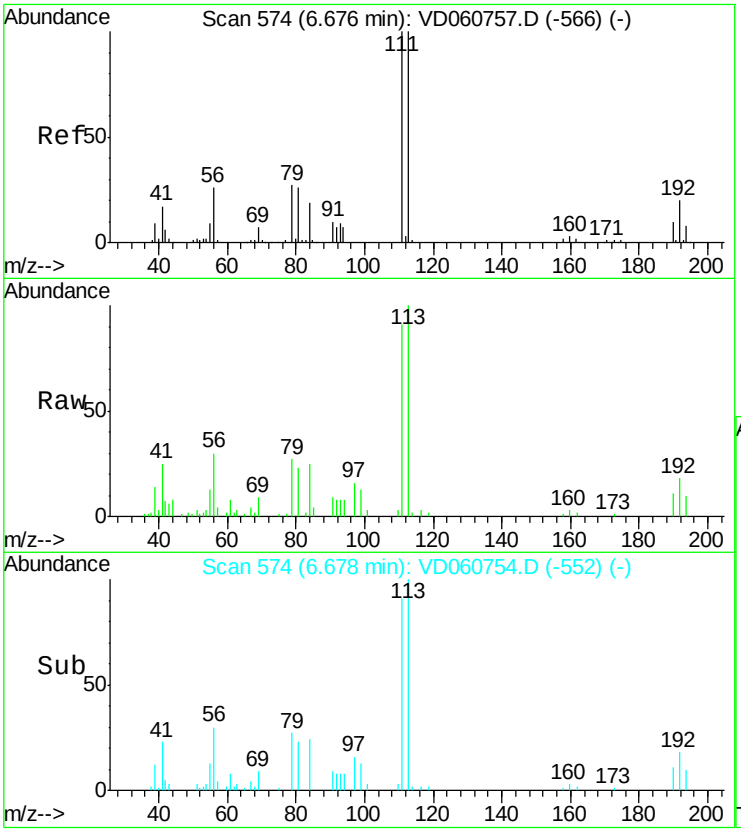




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.97 min Scan# 705
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:114 Resp: 1938254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.0 | 0.0 | 36.2 |
| 88 | 20.1 | 0.0 | 37.0 |



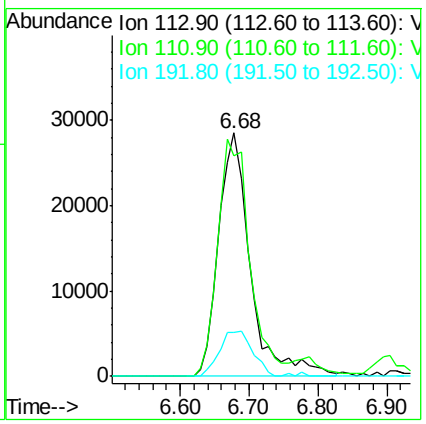


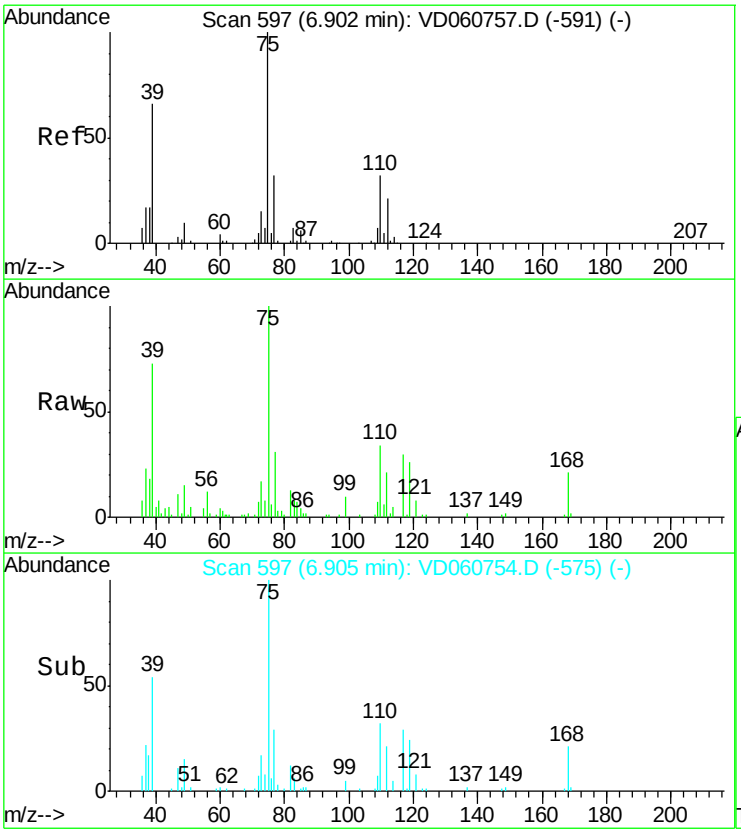

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.68 min Scan# 574
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 91345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 90.5 | 80.0 | 120.0 |
| 192 | 18.1 | 16.6 | 25.0 |

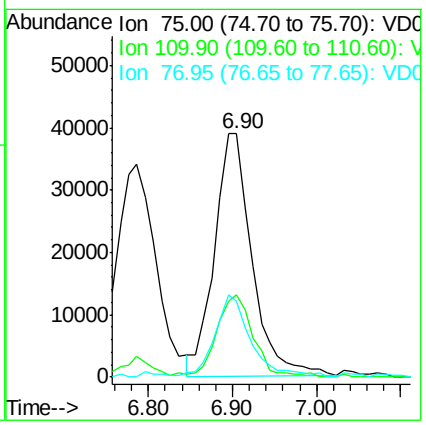


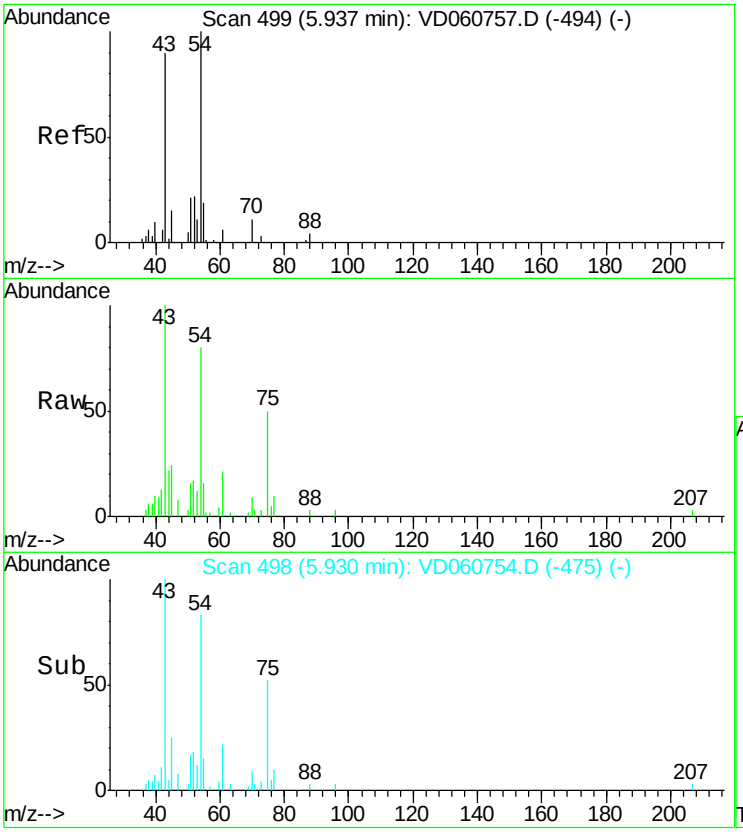




#36
1,1-Dichloropropene
Concen: 5.998 ug/l
RT: 6.90 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 119722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.0 | 18.9 | 56.7 |
| 77 | 31.2 | 25.4 | 38.0 |



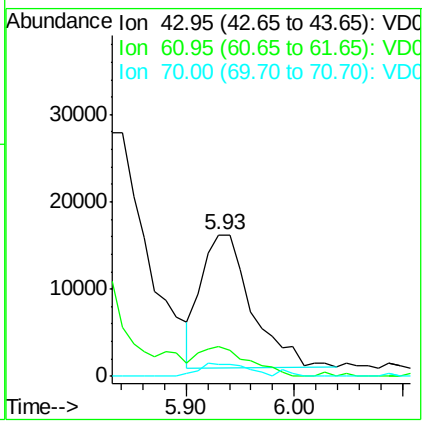


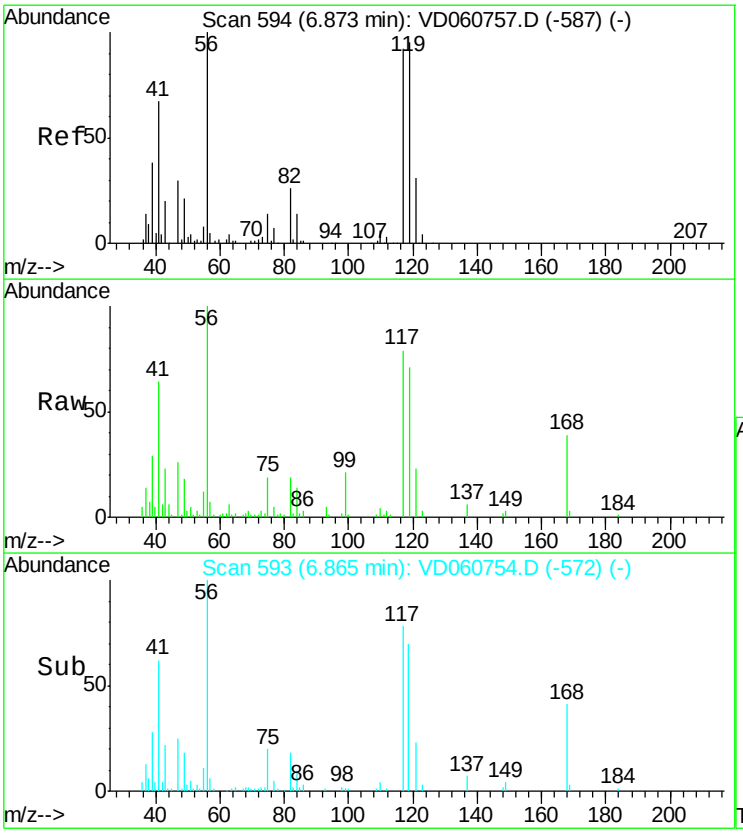

#37
Ethyl Acetate
Concen: 5.892 ug/l
RT: 5.93 min Scan# 498
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 43 Resp: 49182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.8 | 11.8 | 17.6# |
| 70 | 8.7 | 5.8 | 8.6# |

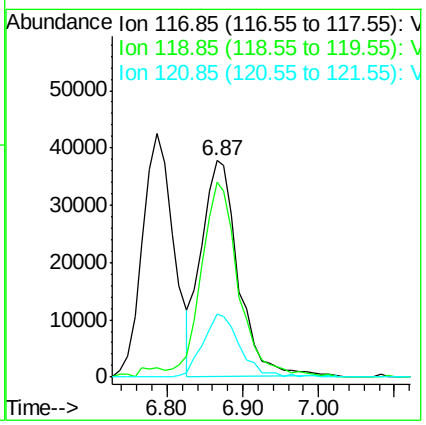


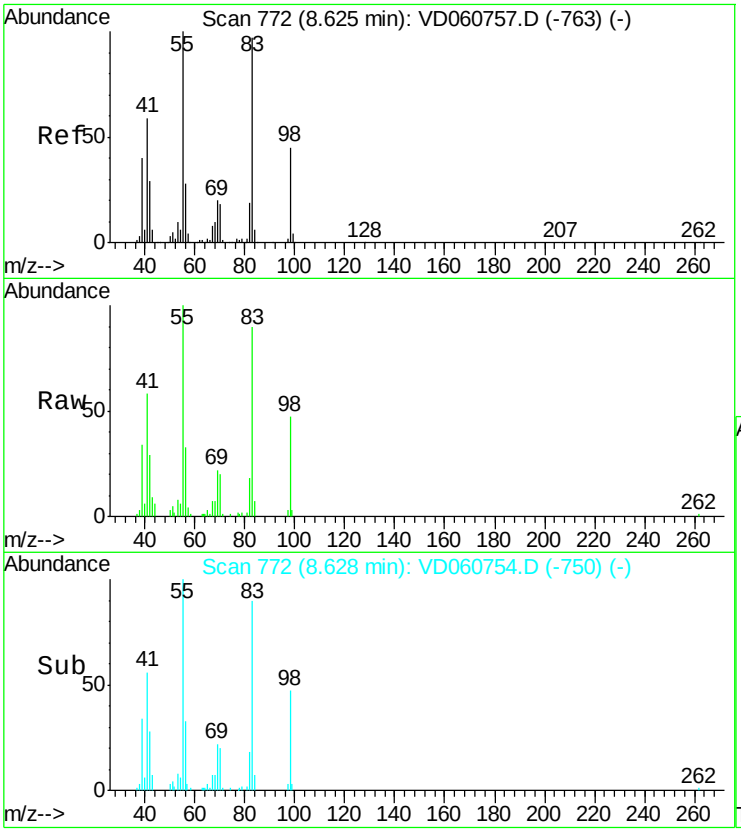




#38
Carbon Tetrachloride
Concen: 7.200 ug/l
RT: 6.87 min Scan# 593
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:117 Resp: 126783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.3 | 77.0 | 115.4 |
| 121 | 29.1 | 24.7 | 37.1 |



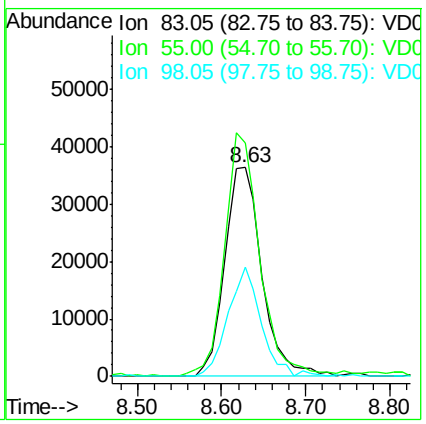


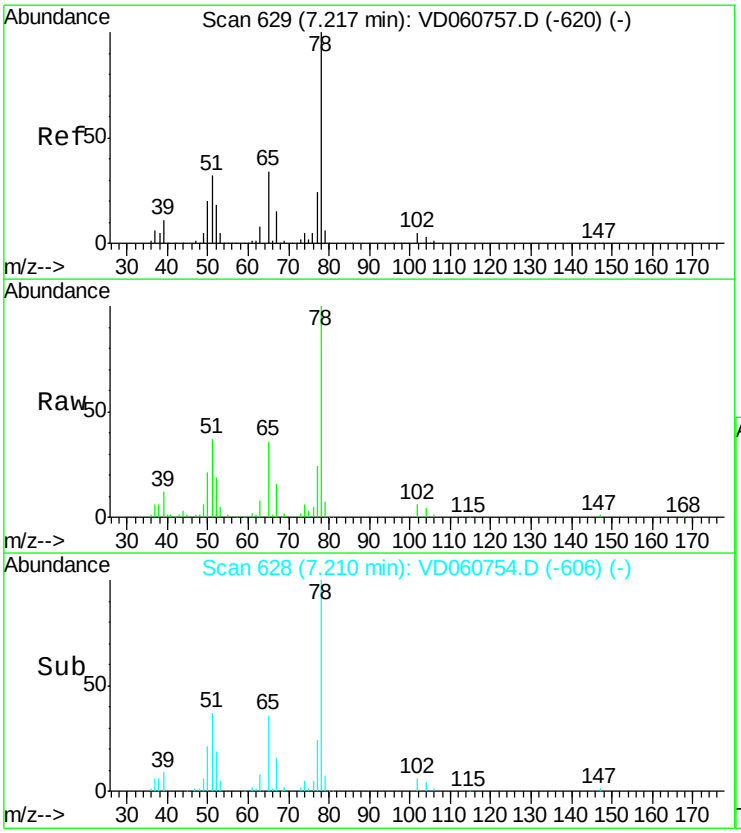

#39
Methylcyclohexane
Concen: 4.906 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 83 Resp: 111681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 111.6 | 68.6 | 102.8# |
| 98 | 52.2 | 38.1 | 57.1 |

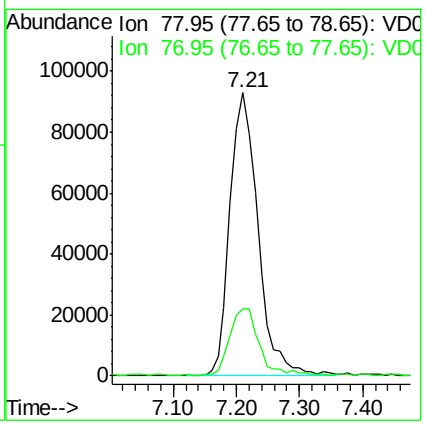


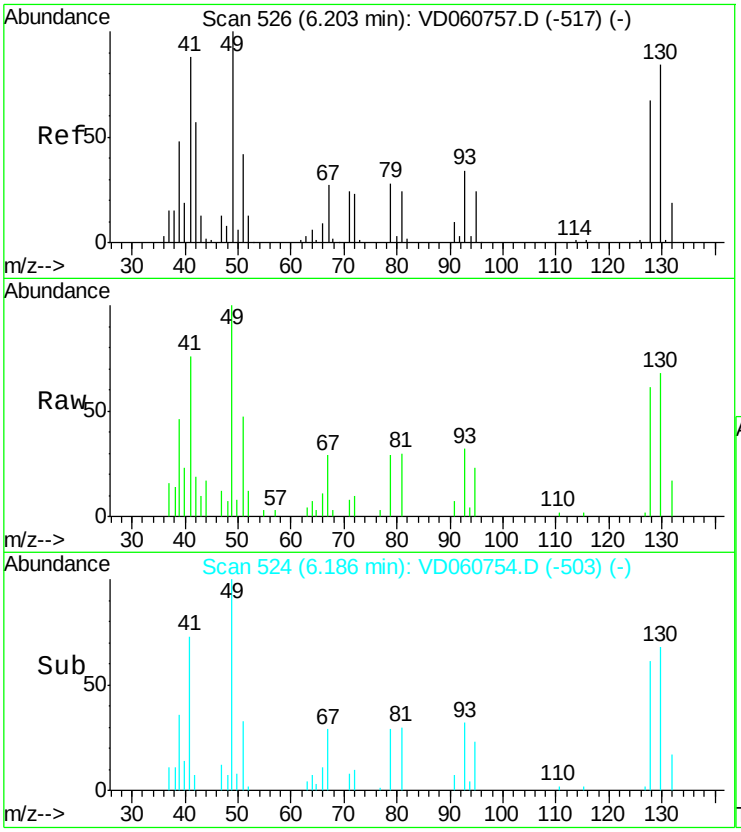




#40
Benzene
Concen: 5.559 ug/l
RT: 7.21 min Scan# 628
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 78 Resp: 286607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.2 | 28.8 |



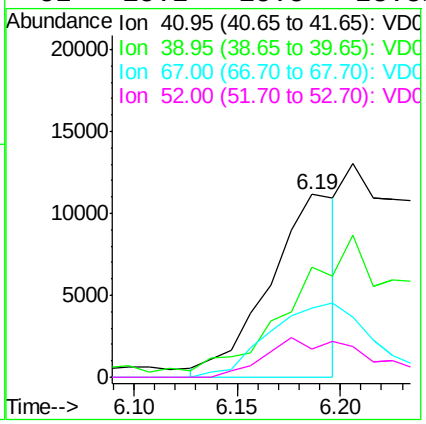


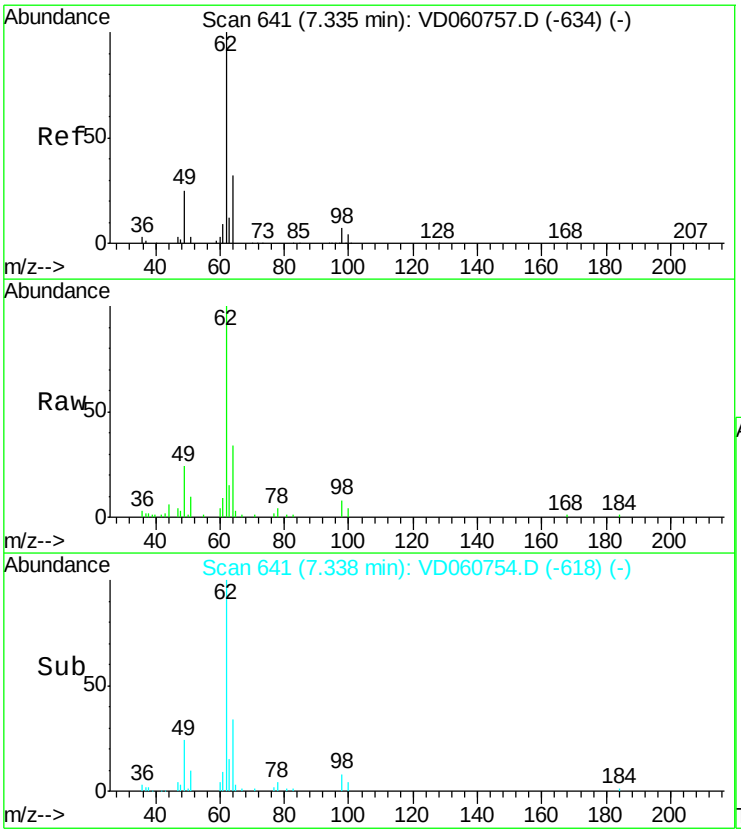

#41
Methacrylonitrile
Concen: 5.539 ug/l m
RT: 6.19 min Scan# 524
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 25573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.0 | 37.6 | 56.4# |
| 67 | 37.7 | 33.0 | 49.6 |
| 52 | 15.2 | 15.5 | 23.3# |

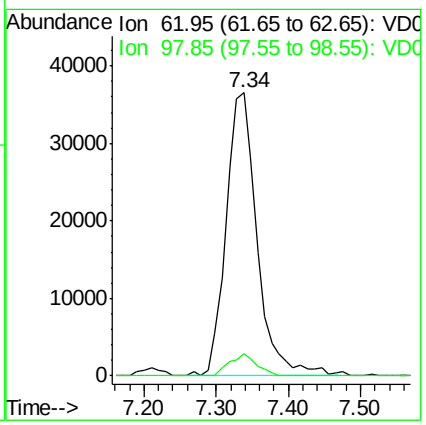


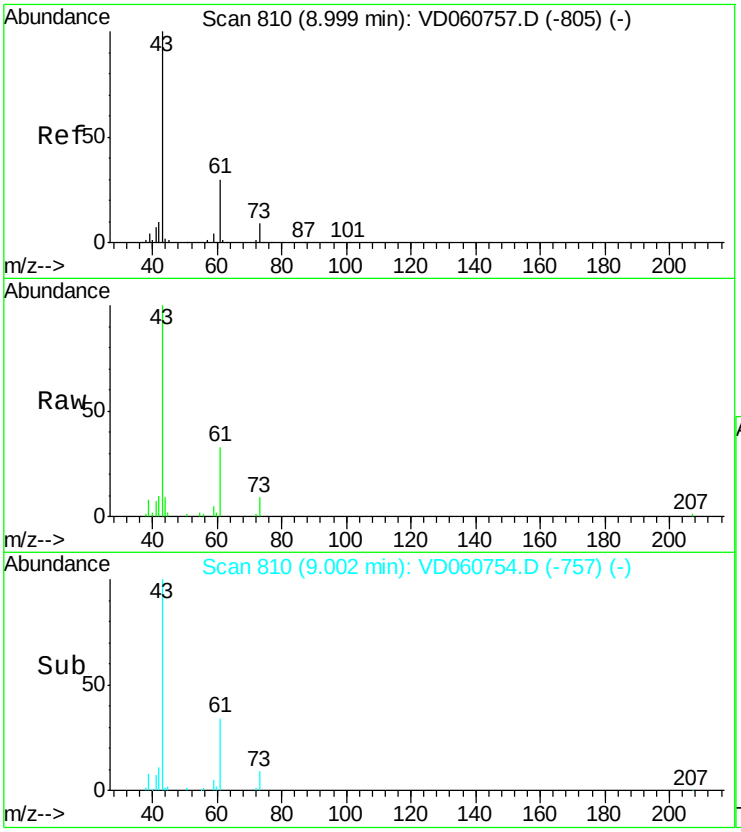




#42
1,2-Dichloroethane
Concen: 8.560 ug/l
RT: 7.34 min Scan# 641
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 62 Resp: 109516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.7 | 0.0 | 20.4 |



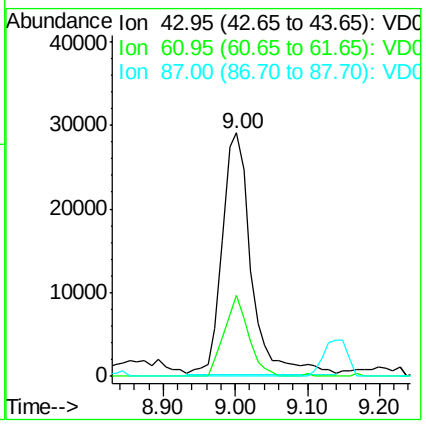


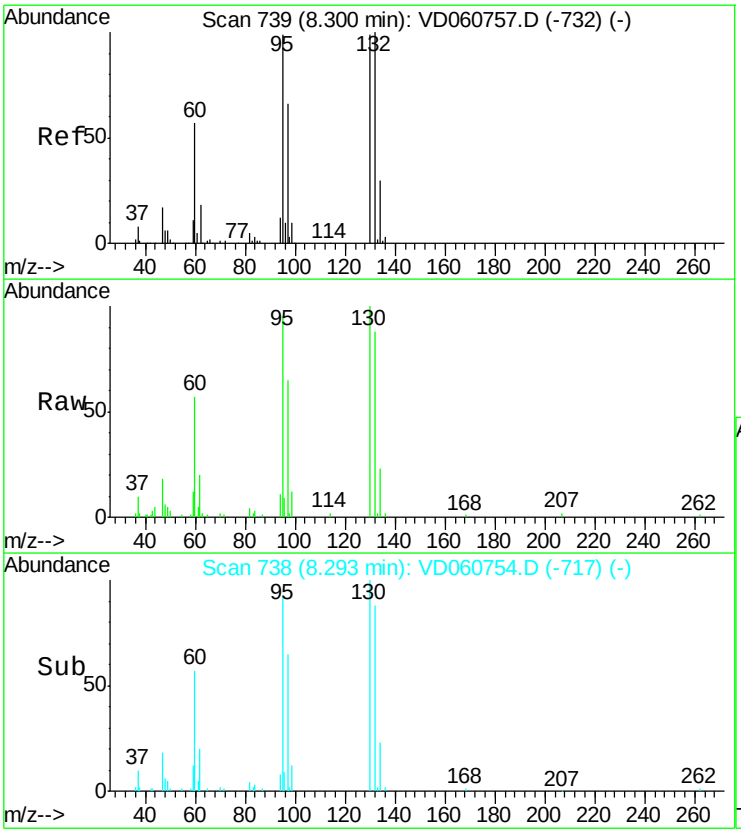

#43
Isopropyl Acetate
Concen: 7.601 ug/l
RT: 9.00 min Scan# 810
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 43 Resp: 81419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 33.3 | 21.8 | 32.8# |
| 87 | 0.0 | 0.2 | 0.4# |

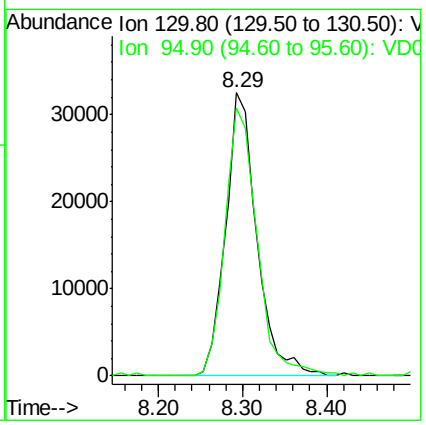


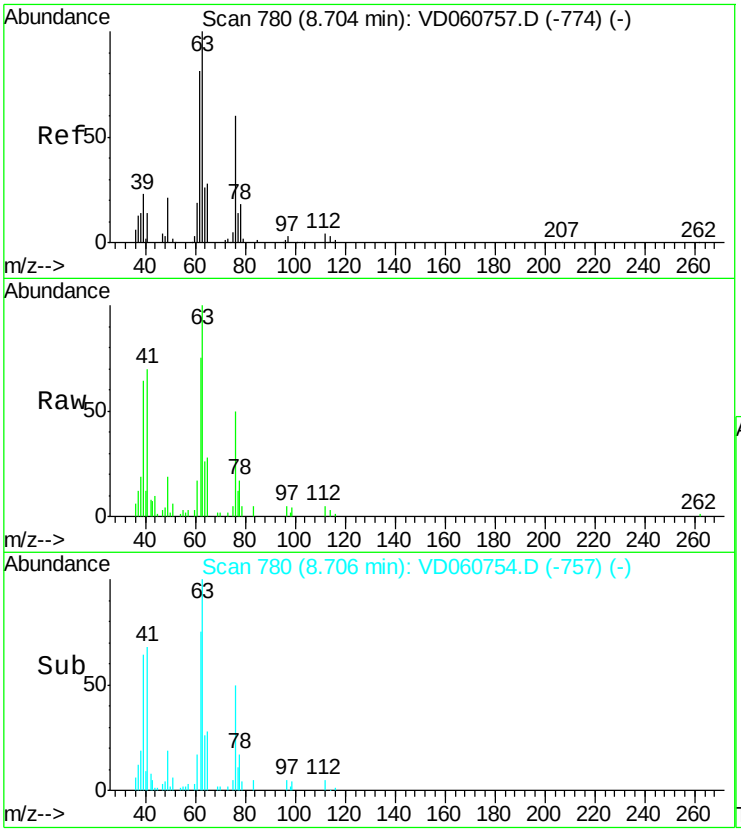




#44
Trichloroethene
Concen: 5.503 ug/l
RT: 8.29 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:130 Resp: 83966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.7 | 0.0 | 193.6 |



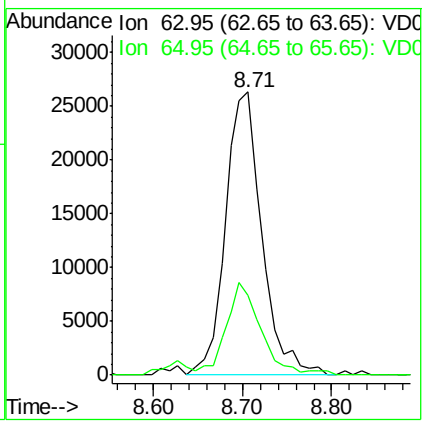


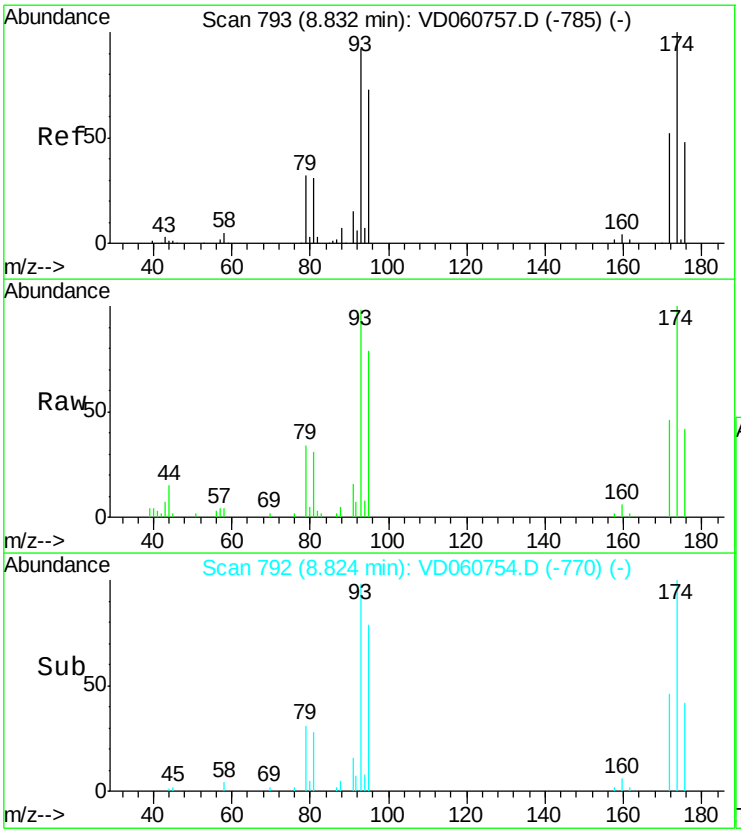

#45
1,2-Dichloropropane
Concen: 5.938 ug/l
RT: 8.71 min Scan# 780
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 75070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.4 | 25.0 | 37.6 |

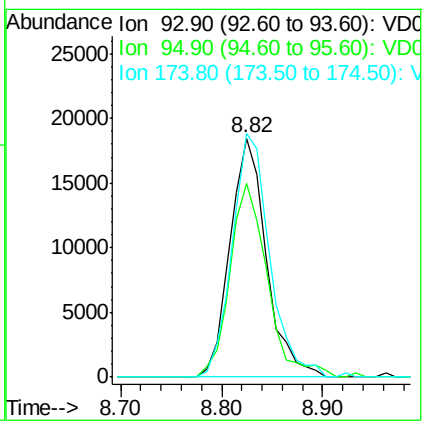


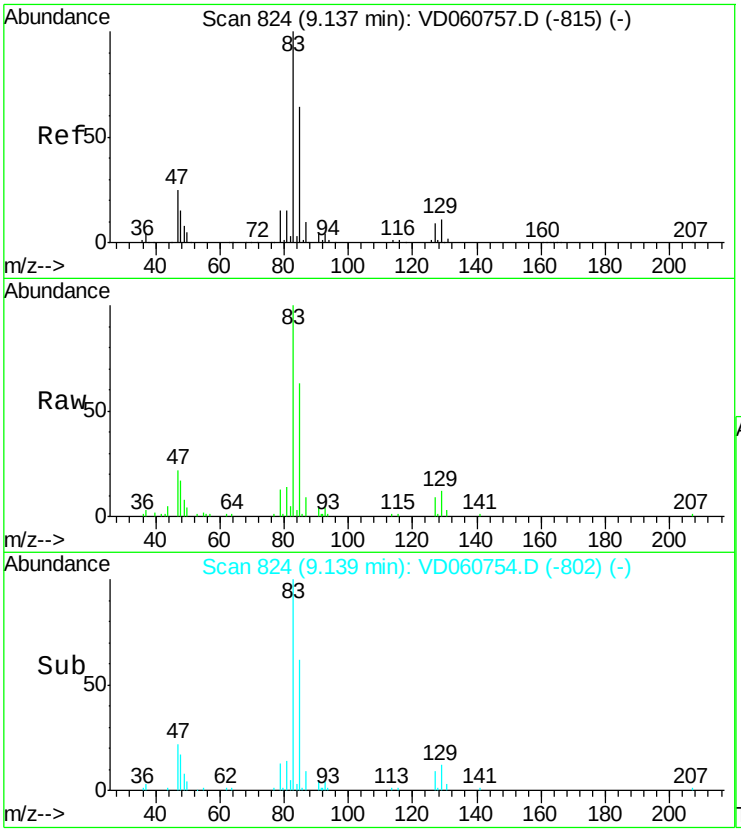




#46
Dibromomethane
Concen: 6.403 ug/l
RT: 8.82 min Scan# 792
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 93 Resp: 46201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.8 | 68.8 | 103.2 |
| 174 | 101.9 | 93.0 | 139.4 |



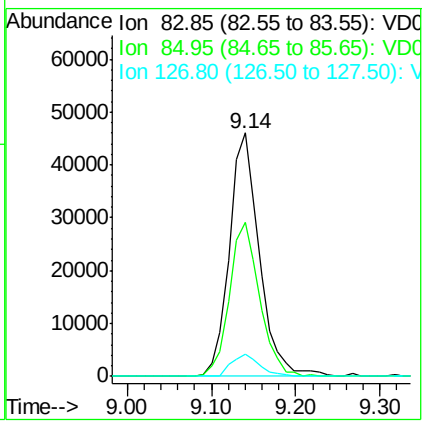


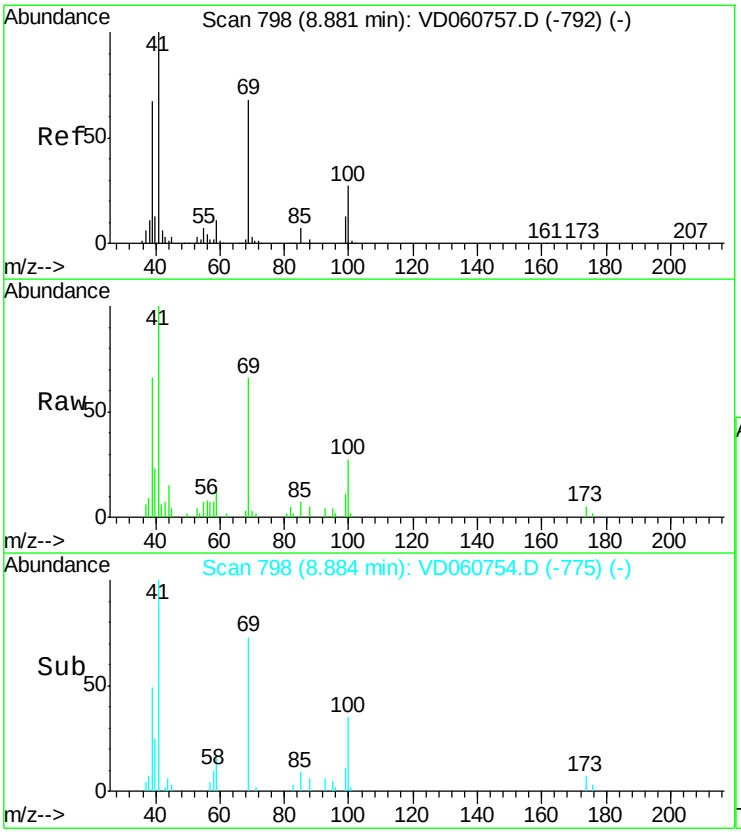

#47
Bromodichloromethane
Concen: 6.670 ug/l
RT: 9.14 min Scan# 824
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 113990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 51.1 | 76.7 |
| 127 | 9.2 | 7.0 | 10.6 |

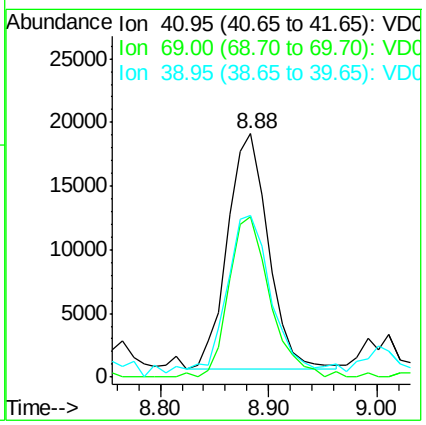


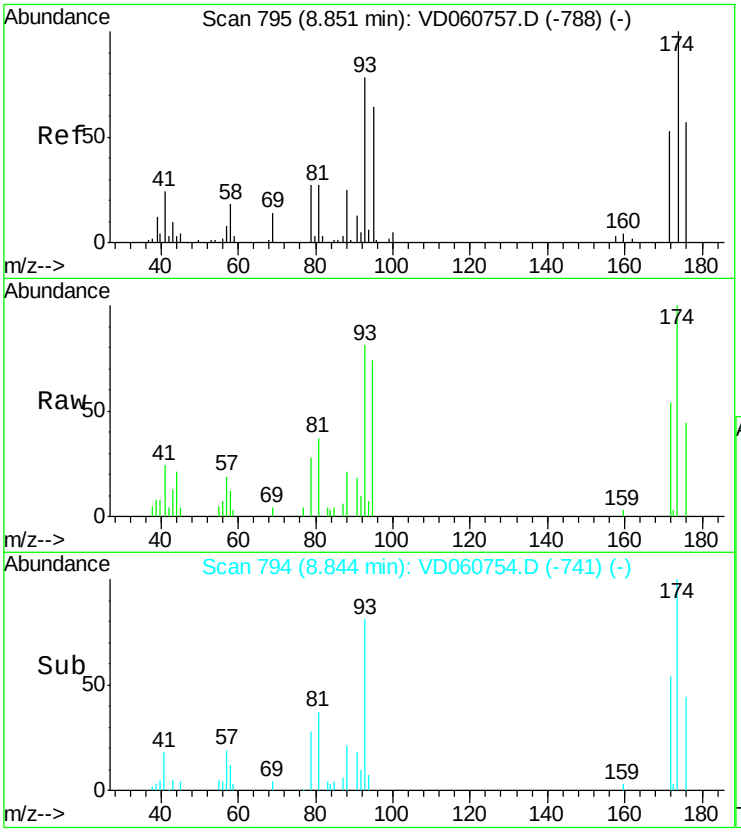




#48
Methyl methacrylate
Concen: 7.512 ug/l
RT: 8.88 min Scan# 798
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 41 Resp: 48871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 66.1 | 51.2 | 76.8 |
| 39 | 66.2 | 44.6 | 67.0 |



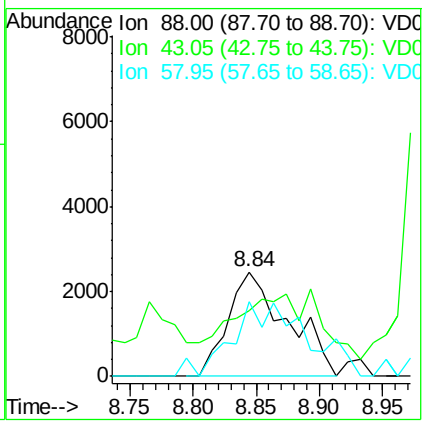


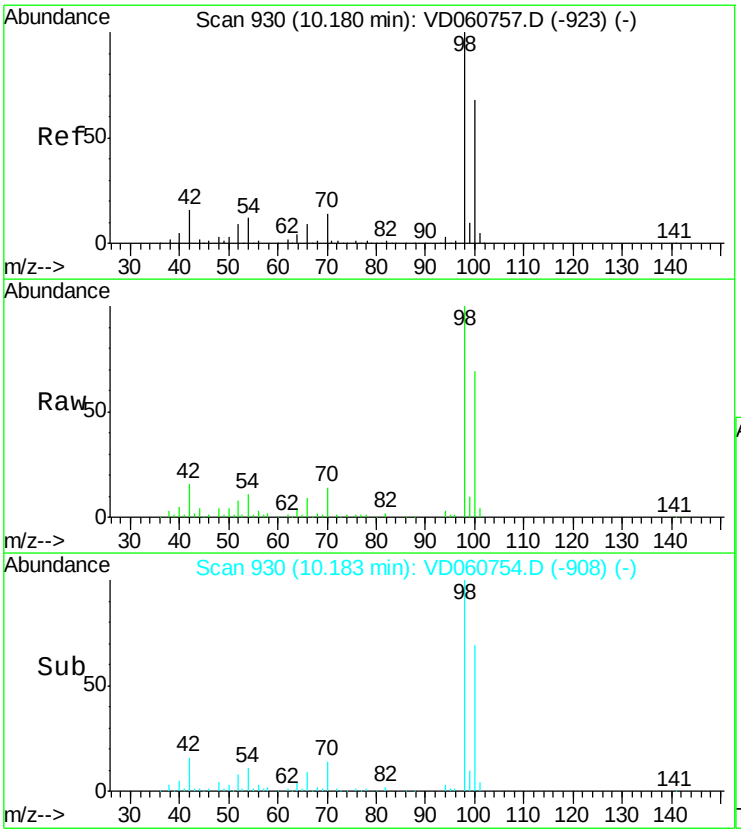

#49
1,4-Dioxane
Concen: 132.348 ug/l
RT: 8.84 min Scan# 794
Delta R.T. 0.02 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 8006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 62.5 | 31.5 | 47.3# |
| 58 | 71.5 | 50.6 | 76.0 |

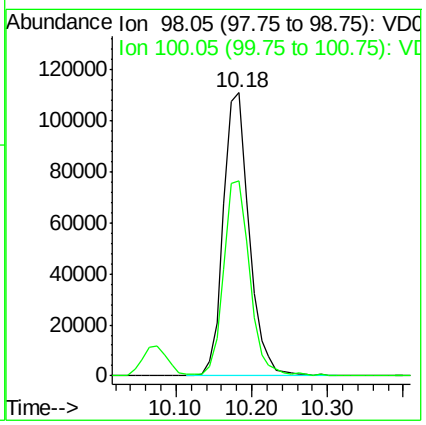


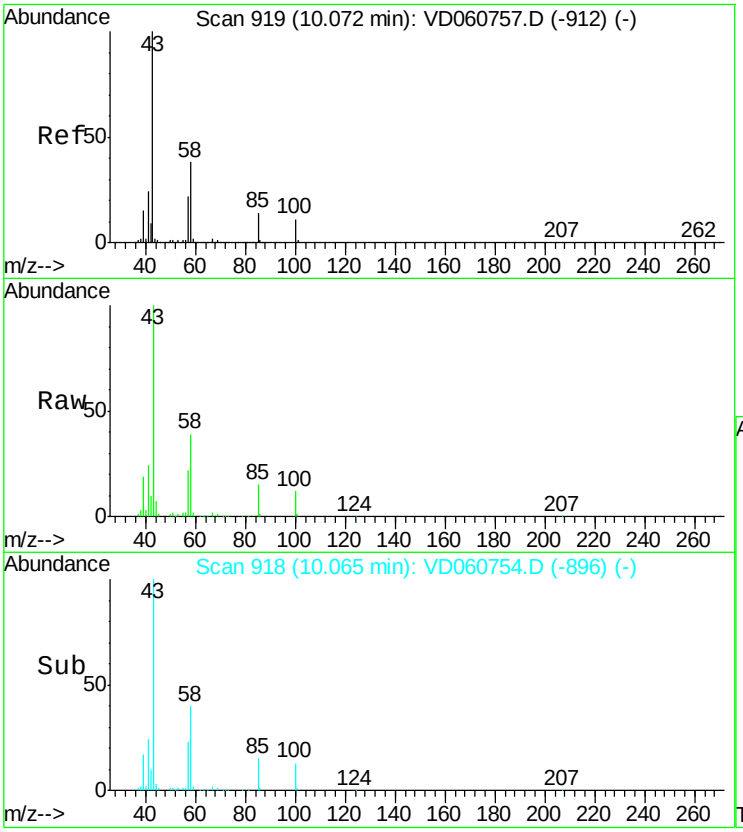




#50
Toluene-d8
Concen: 132.348 ug/l
RT: 10.18 min Scan# 930
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 98 Resp: 262172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.8 | 55.8 | 83.8 |



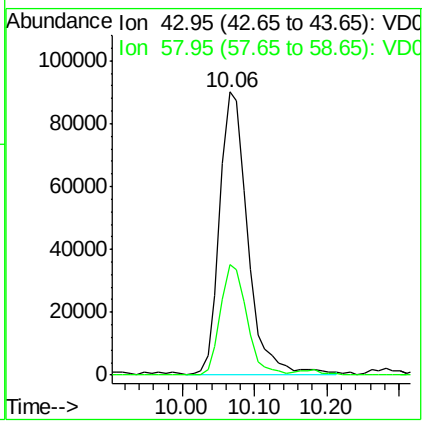


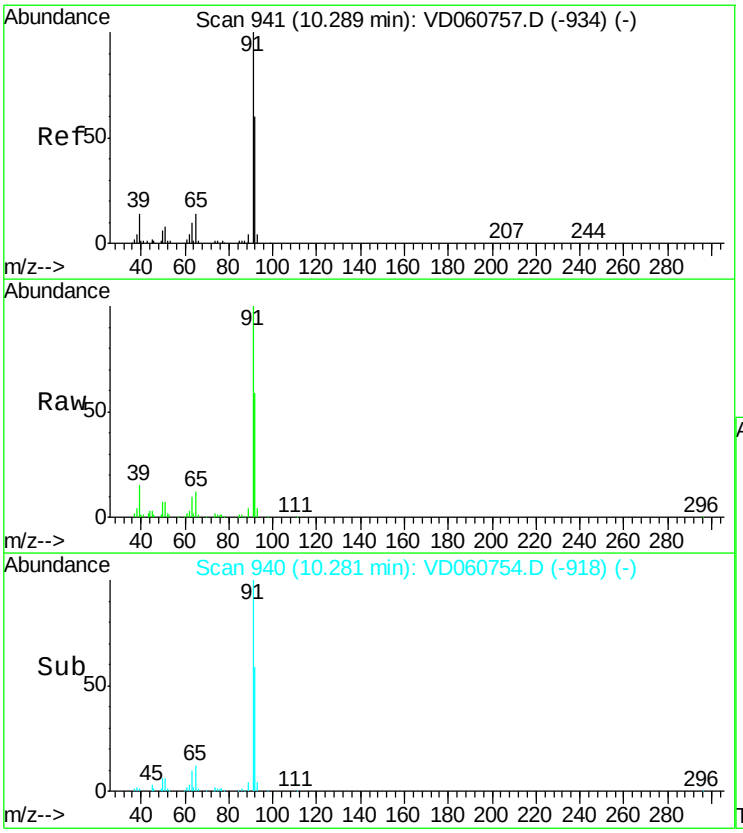

#51
4-Methyl-2-Pentanone
Concen: 36.795 ug/l
RT: 10.06 min Scan# 918
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion: 43 Resp: 241480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.1 | 26.3 | 39.5 |

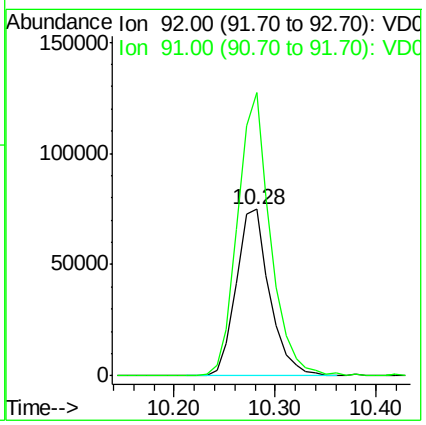


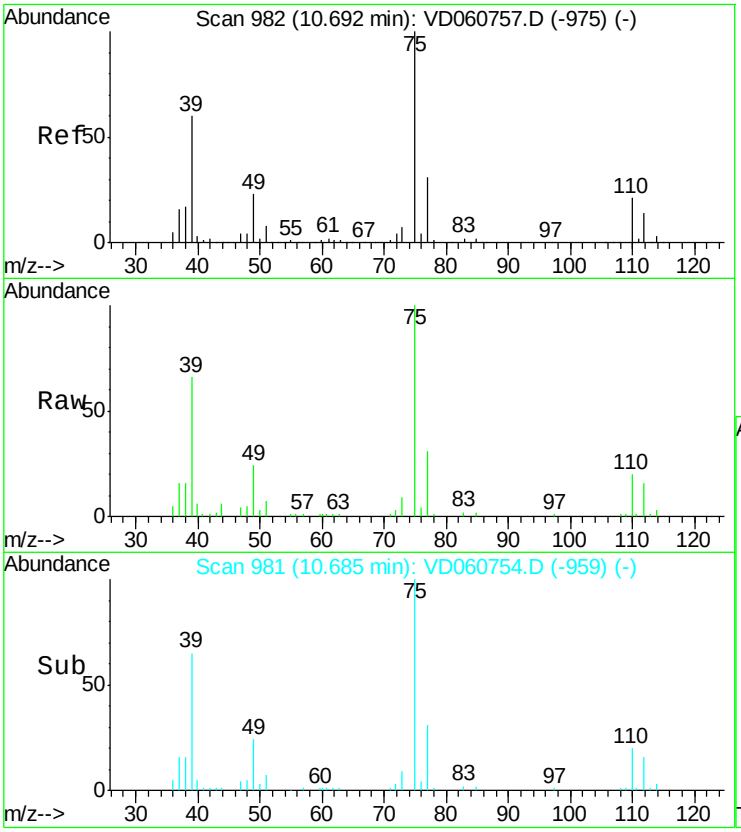




#52
Toluene
Concen: 5.383 ug/l
RT: 10.28 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 92 Resp: 173981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.8 | 132.6 | 199.0 |



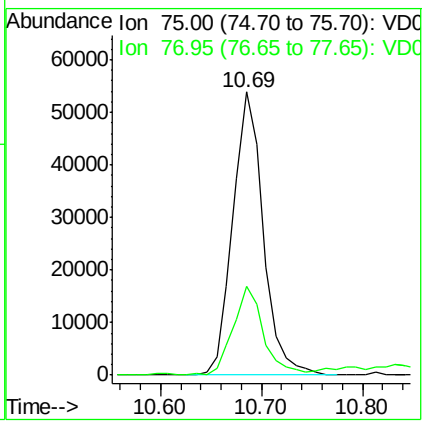


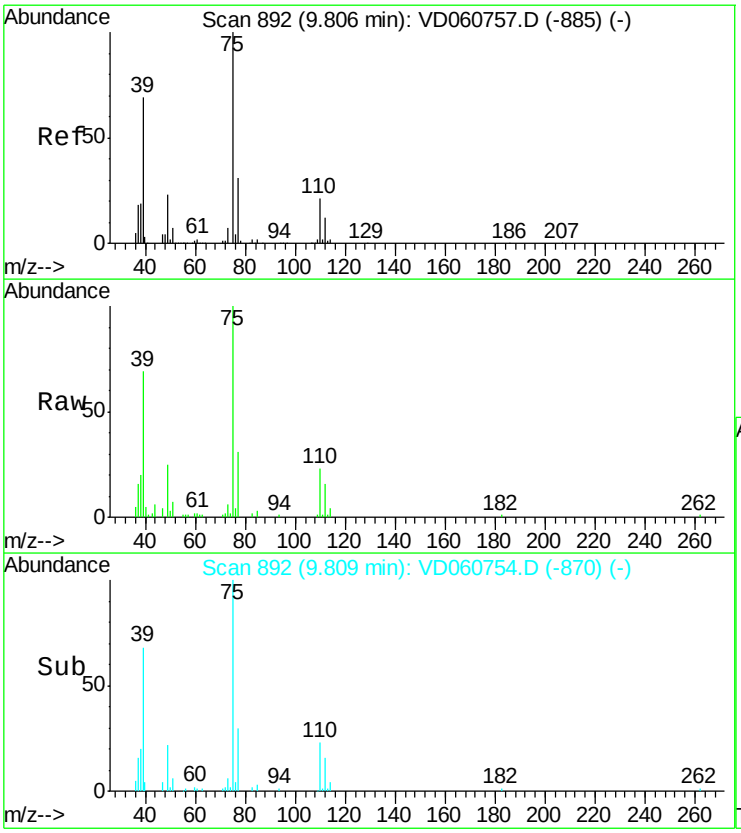

#53
t-1,3-Dichloropropene
Concen: 7.910 ug/l
RT: 10.69 min Scan# 981
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 112785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 26.0 | 39.0 |

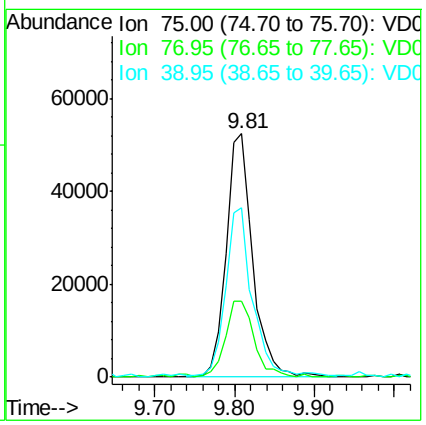


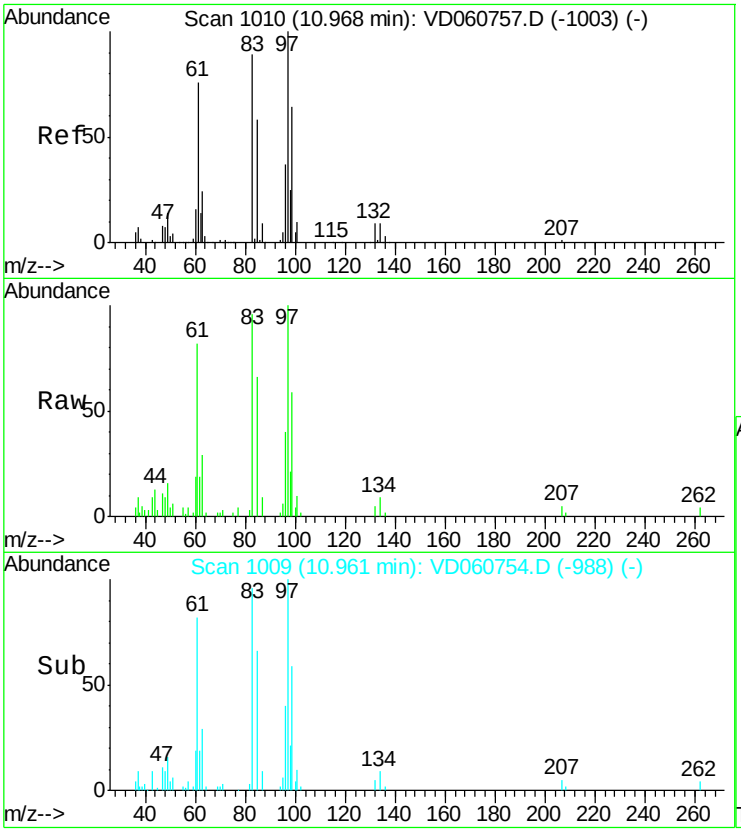




#54
cis-1,3-Dichloropropene
Concen: 6.554 ug/l
RT: 9.81 min Scan# 892
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 122311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.4 | 38.2 |
| 39 | 69.4 | 47.0 | 70.4 |



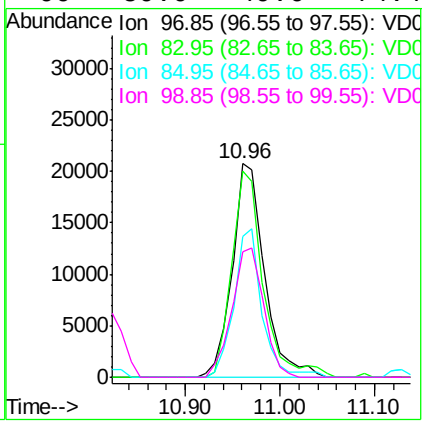


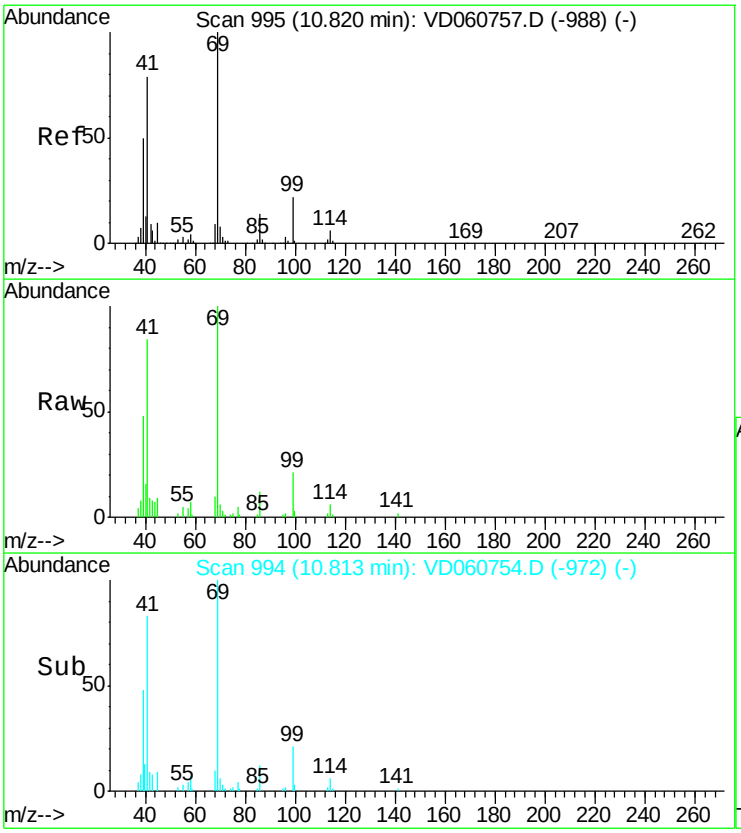

#55
1,1,2-Trichloroethane
Concen: 5.622 ug/l
RT: 10.96 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 48888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 96.3 | 70.0 | 105.0 |
| 85 | 65.9 | 46.6 | 70.0 |
| 99 | 59.0 | 49.6 | 74.4 |

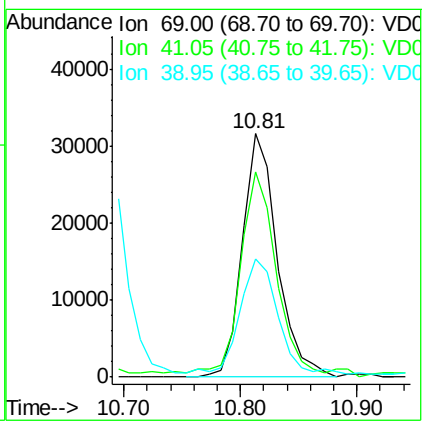


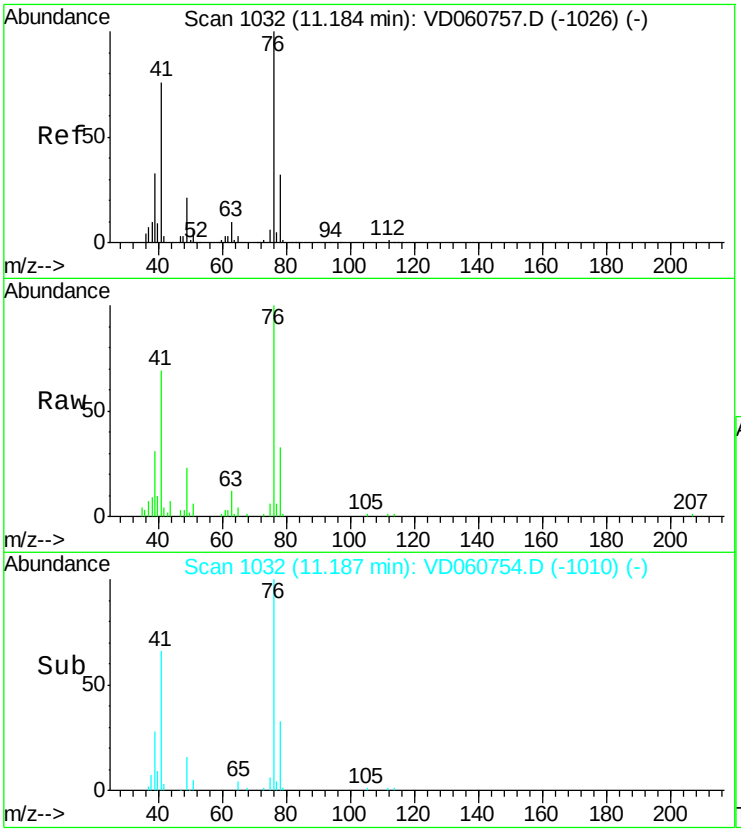




#56
Ethyl methacrylate
Concen: 8.106 ug/l
RT: 10.81 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 69 Resp: 65469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 84.4 | 68.3 | 102.5 |
| 39 | 48.3 | 37.2 | 55.8 |



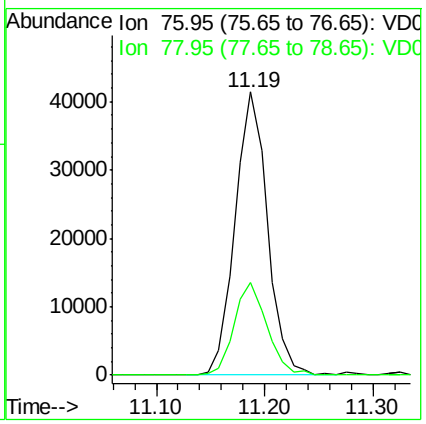


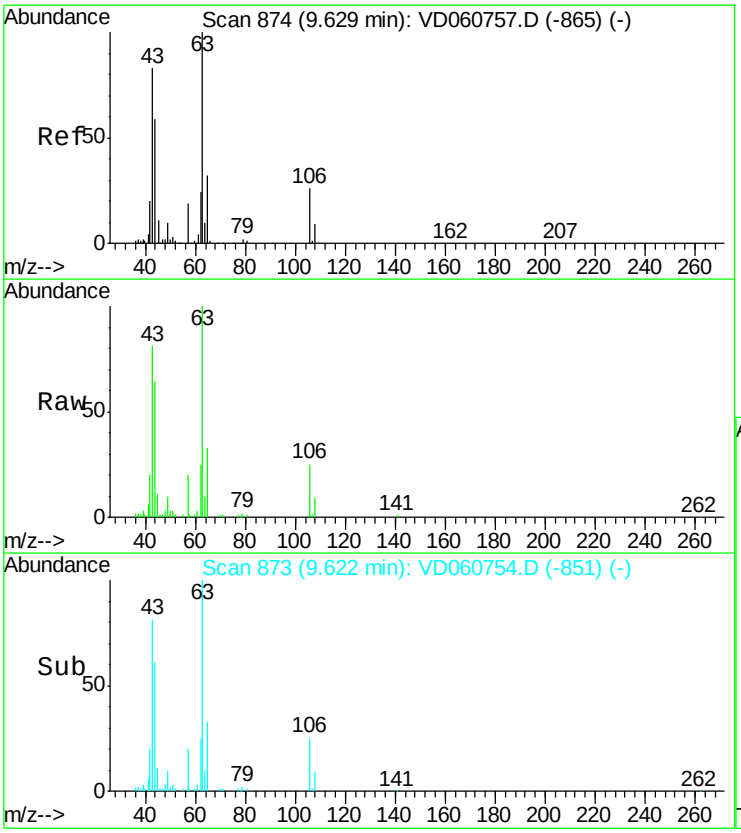

#57
1,3-Dichloropropane
Concen: 6.225 ug/l
RT: 11.19 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 85802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.1 | 39.1 |

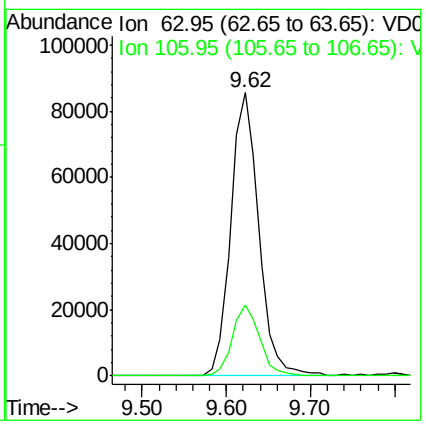


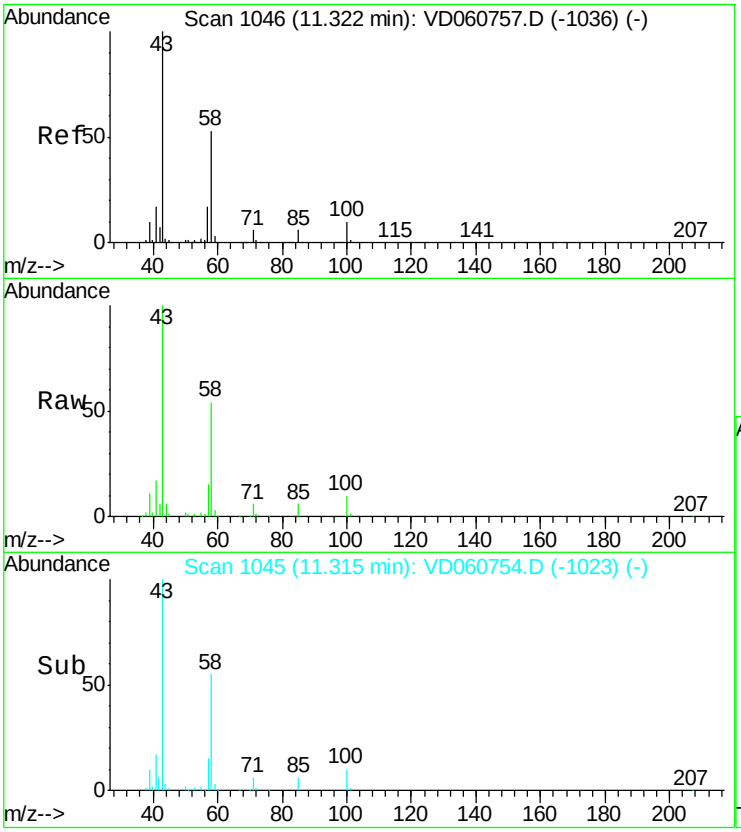




#58
2-Chloroethyl Vinyl ether
Concen: 41.537 ug/l
RT: 9.62 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 63 Resp: 197680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.8 | 22.4 | 33.6 |



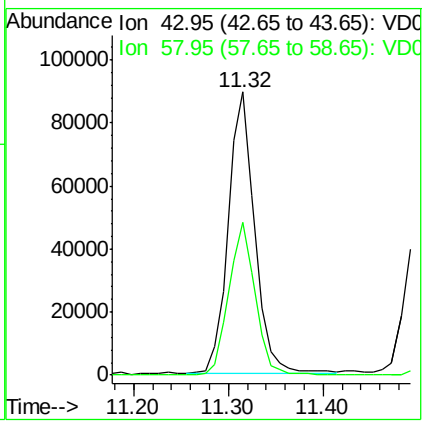


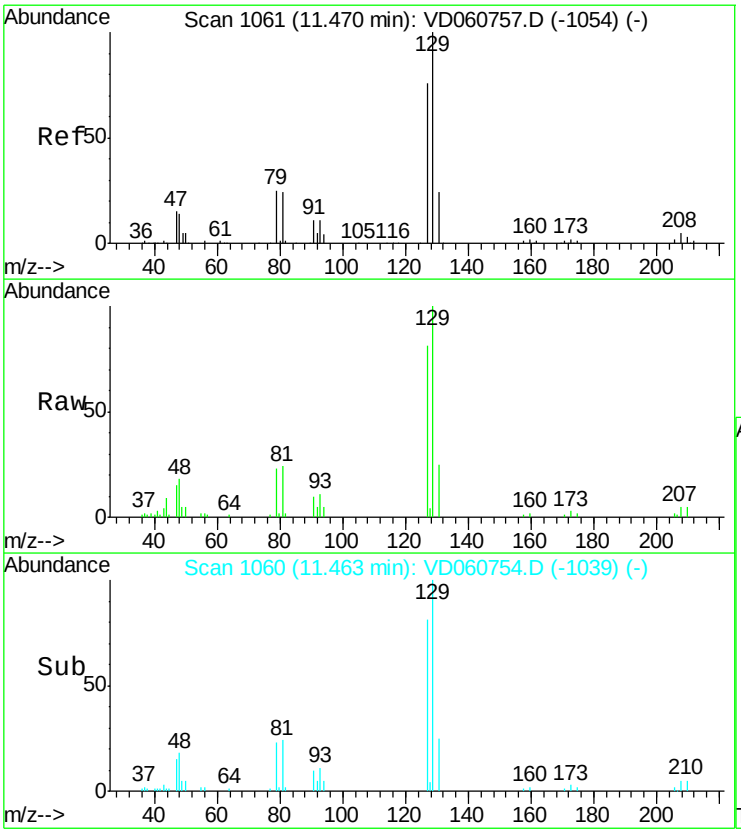

#59
2-Hexanone
Concen: 37.659 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 172997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.2 | 23.5 | 70.5 |

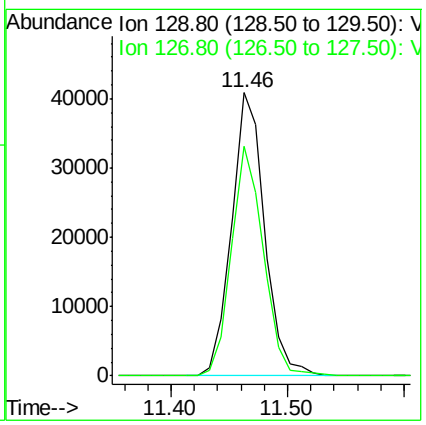


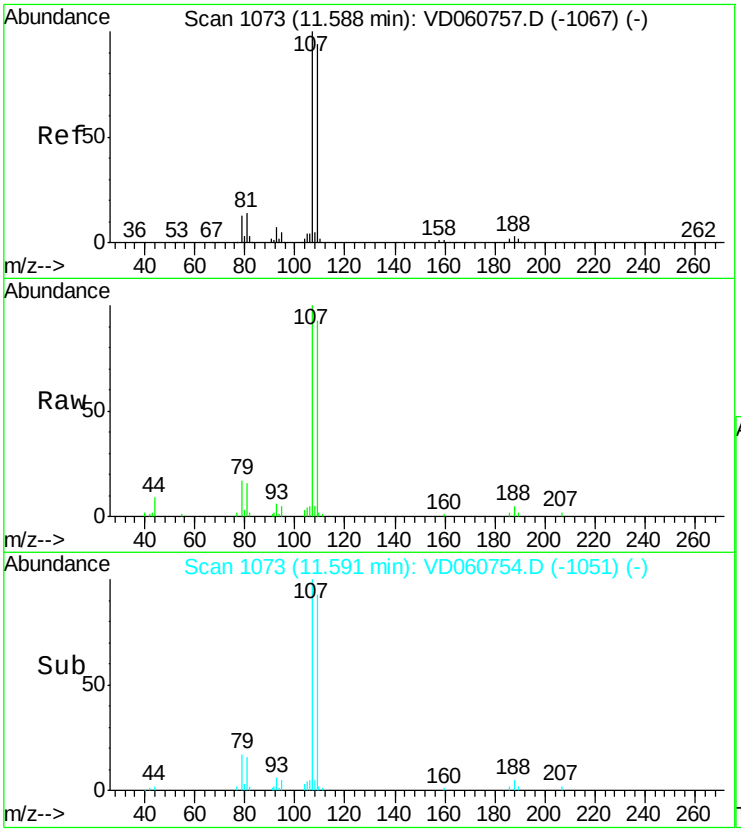




#60
Dibromochloromethane
Concen: 7.204 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:129 Resp: 79796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 81.2 | 37.6 | 112.9 |



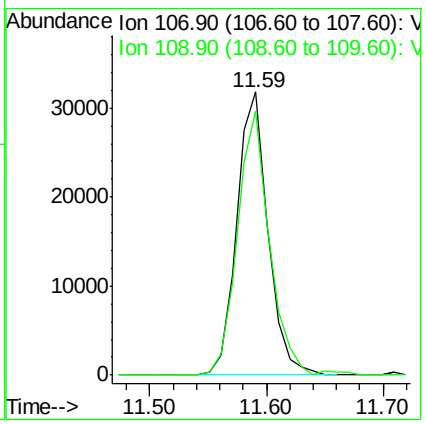


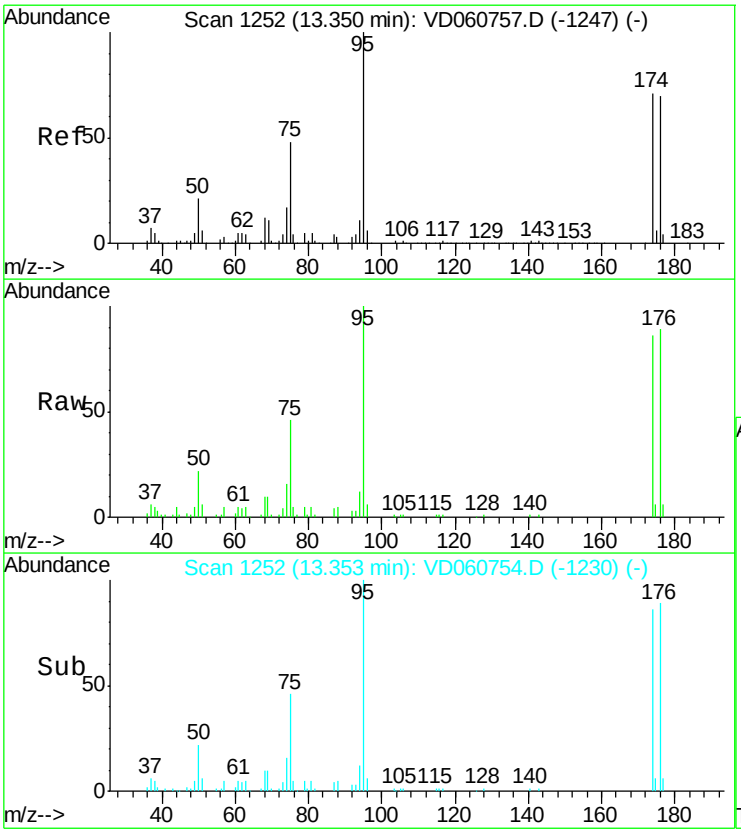

#61
1,2-Dibromoethane
Concen: 6.505 ug/l
RT: 11.59 min Scan# 1073
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion:107 Resp: 58673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 78.0 | 117.0 |

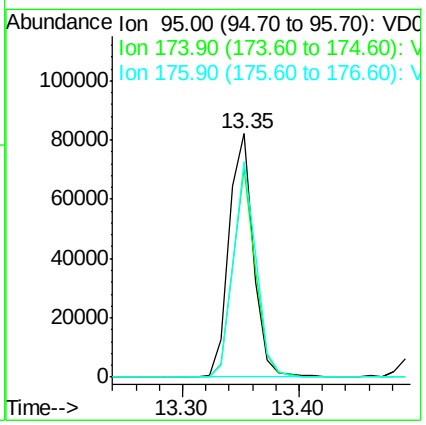


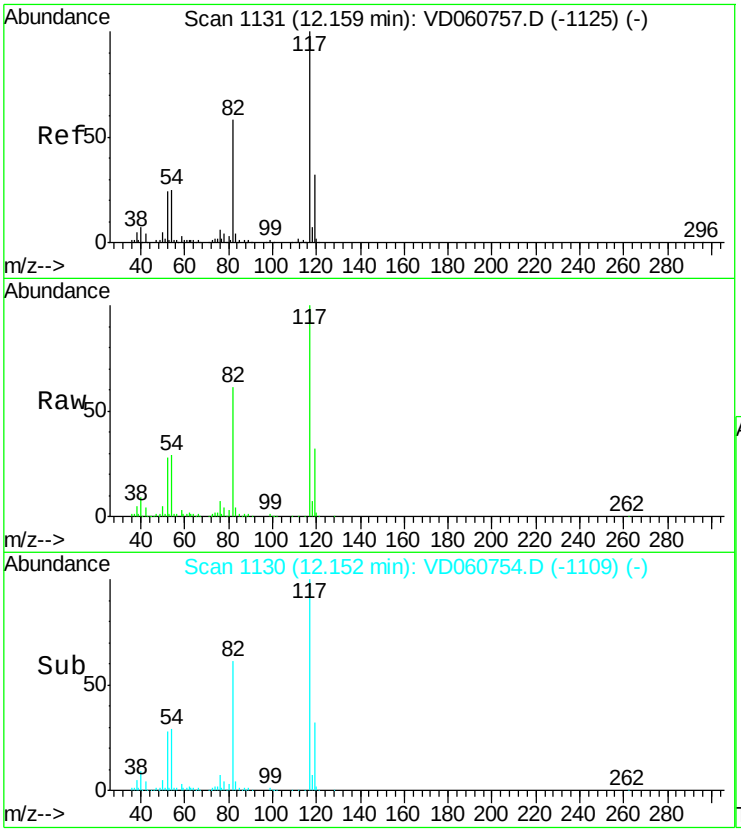




#62
4-Bromofluorobenzene
Concen: 6.505 ug/l
RT: 13.35 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 95 Resp: 118661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.9 | 0.0 | 158.2 |
| 176 | 88.7 | 0.0 | 152.4 |



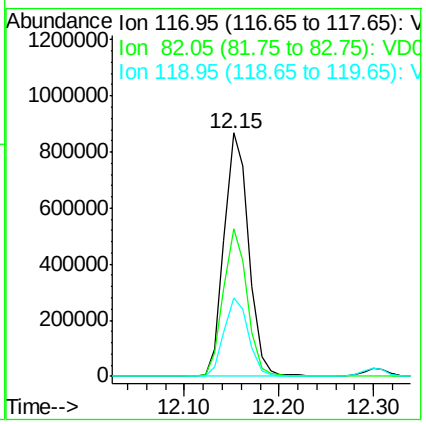


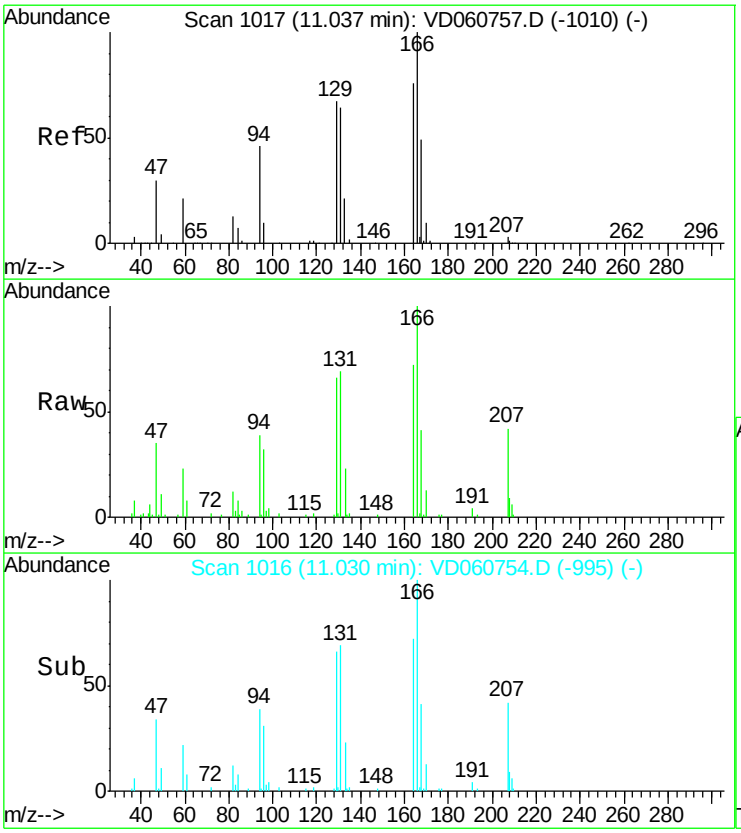

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 1560656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 44.5 | 66.7 |
| 119 | 32.5 | 26.3 | 39.5 |

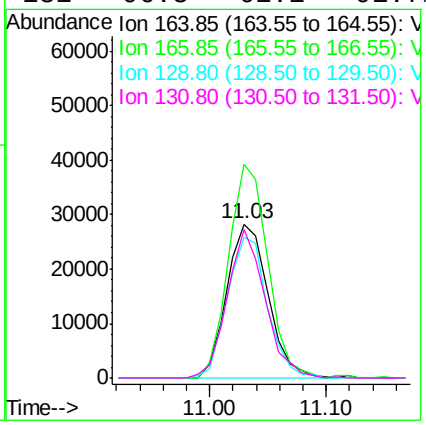


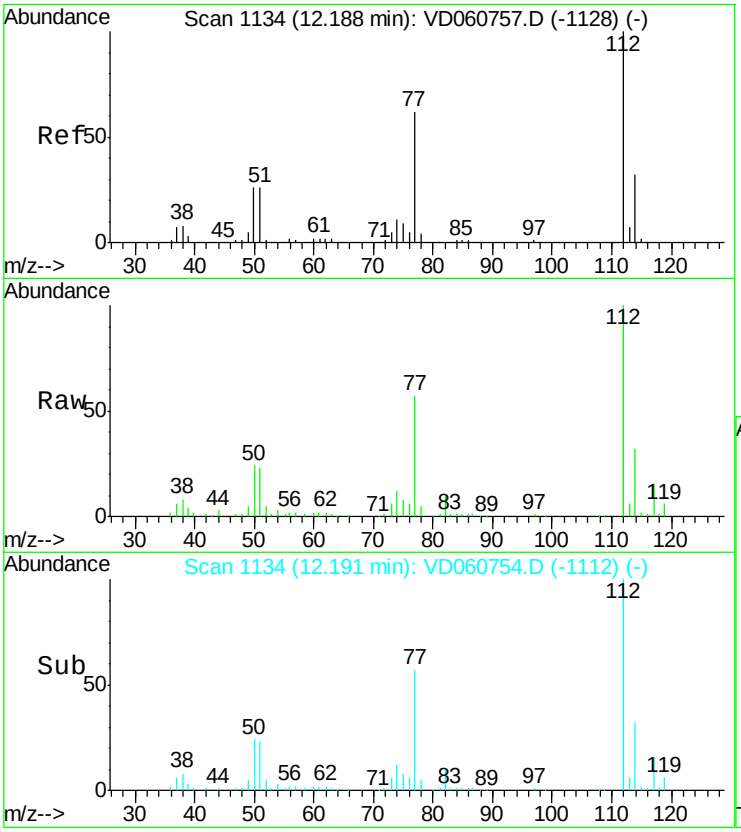




#64
Tetrachloroethene
Concen: 4.892 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:164 Resp: 69194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 138.6 | 104.4 | 156.6 |
| 129 | 91.4 | 62.7 | 94.1 |
| 131 | 96.3 | 61.1 | 91.7# |



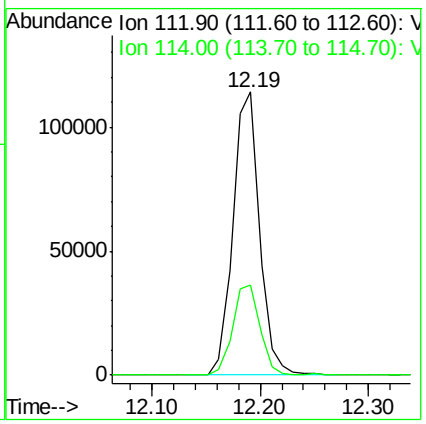


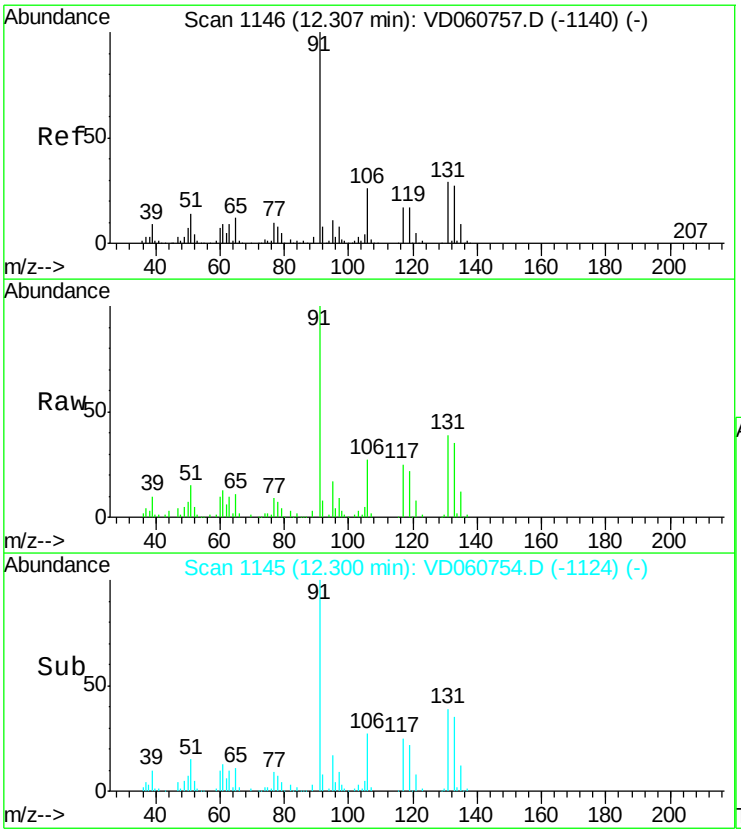

#65
Chlorobenzene
Concen: 5.640 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :** MSVOA_D
**ClientSampleId :** VSTDICC005

Tgt Ion:112 Resp: 194466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 26.1 | 39.1 |

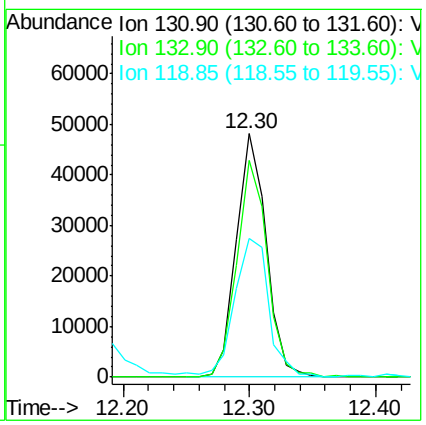


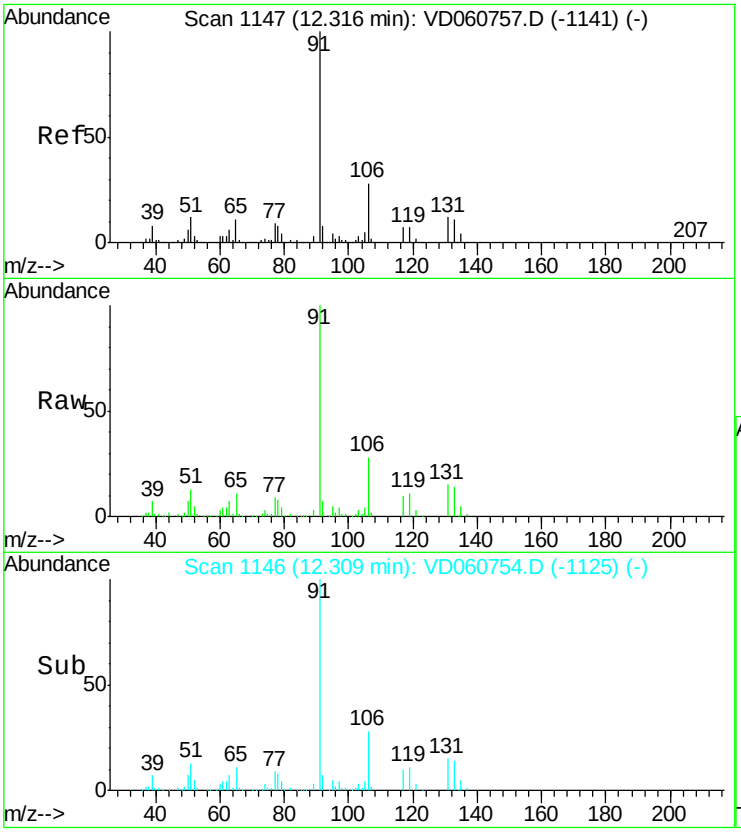




#66
1,1,1,2-Tetrachloroethane
Concen: 7.109 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:131 Resp: 78817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 89.1 | 49.1 | 147.3 |
| 119 | 56.9 | 36.6 | 109.8 |



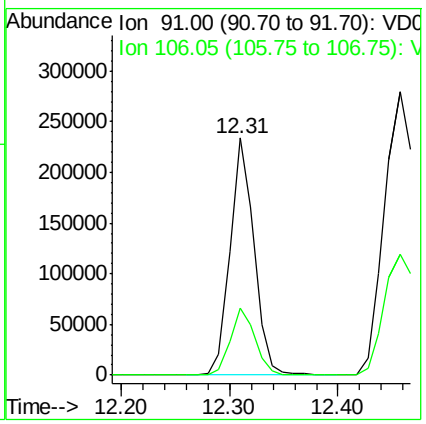


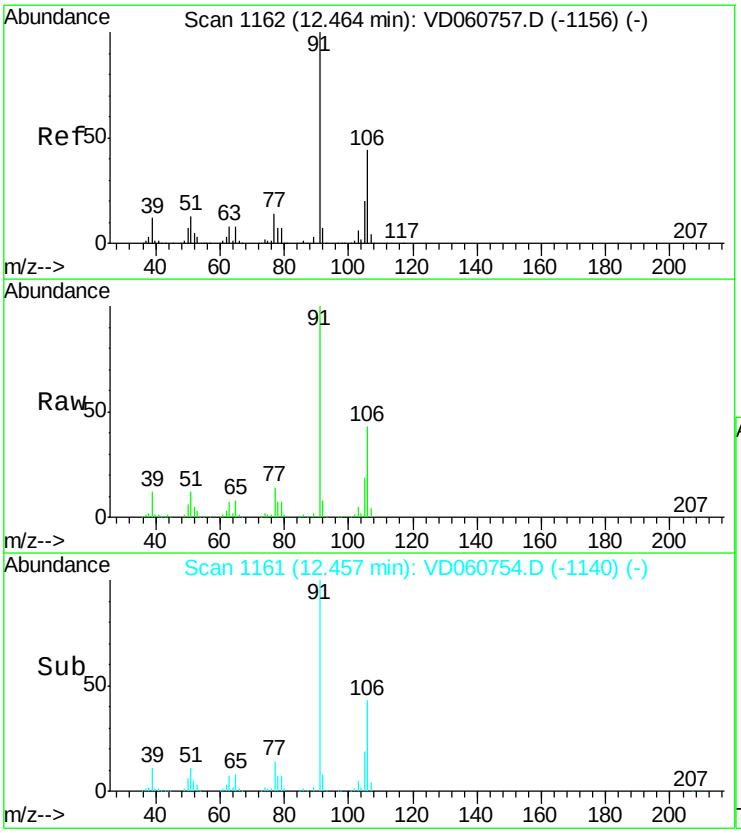

#67
Ethyl Benzene
Concen: 6.109 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 360750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.4 | 24.6 | 36.8 |

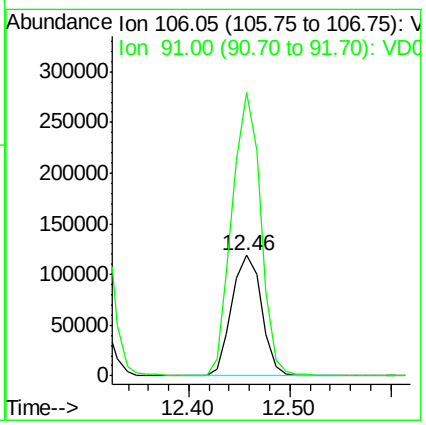


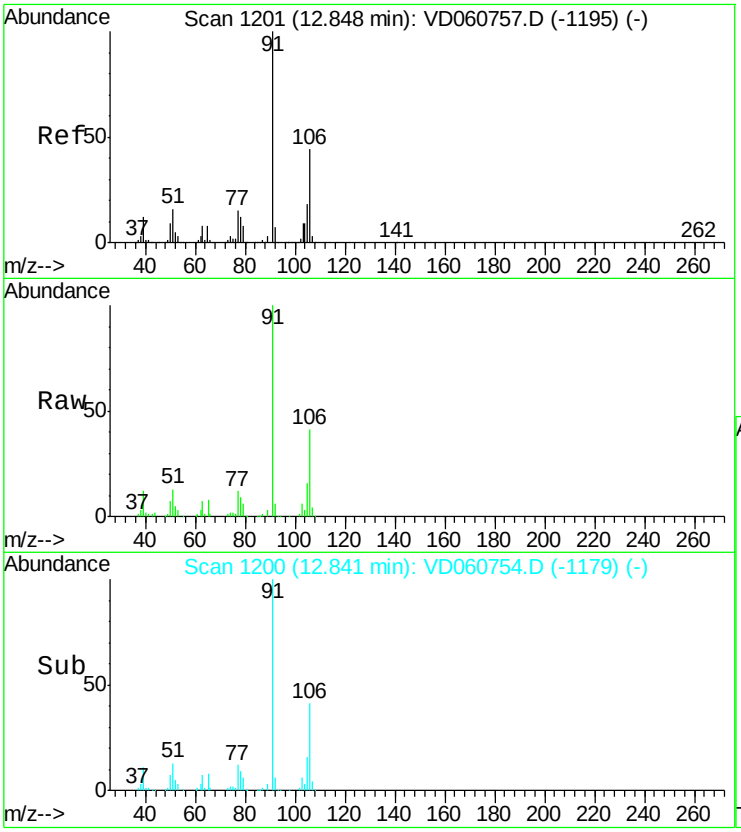




#68
m/p-Xylenes
Concen: 11.408 ug/l
RT: 12.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:106 Resp: 246190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 235.3 | 158.9 | 238.3 |



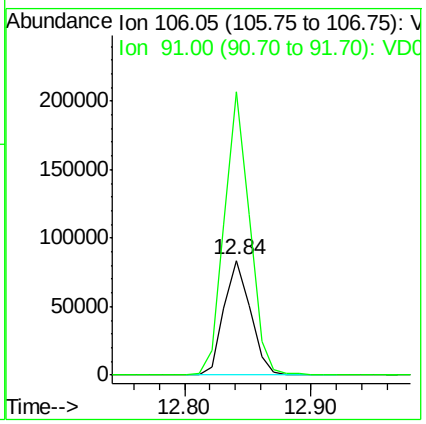


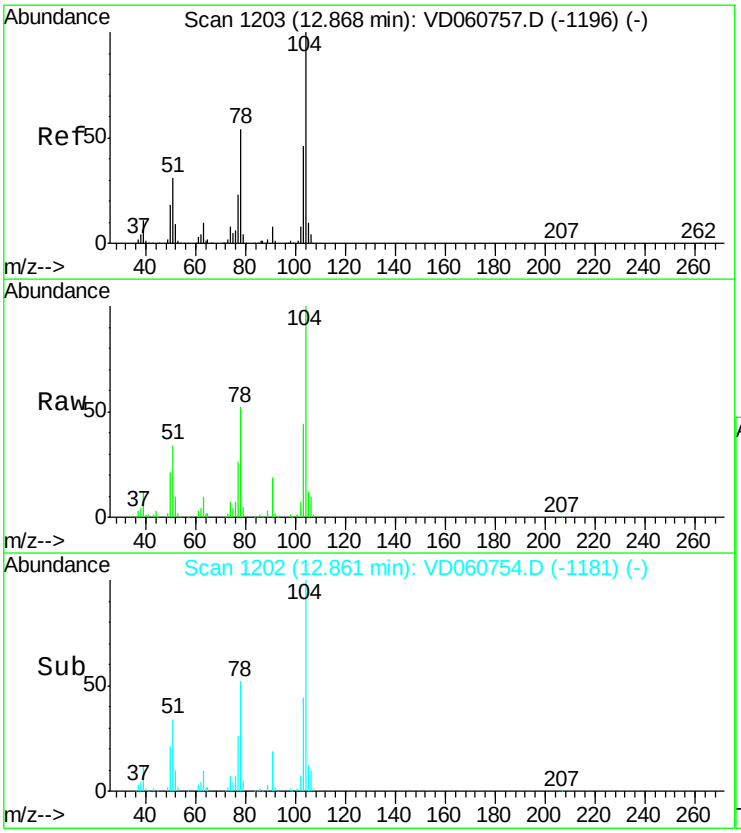

#69
o-Xylene
Concen: 5.953 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 121886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 246.9 | 101.5 | 304.5 |

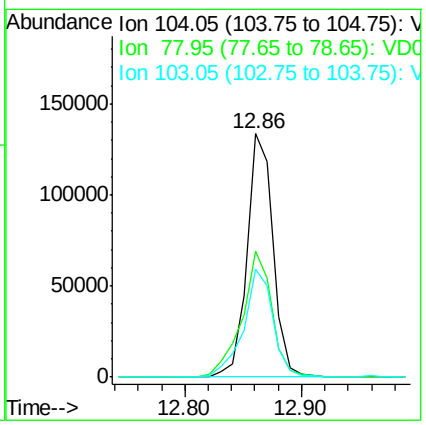


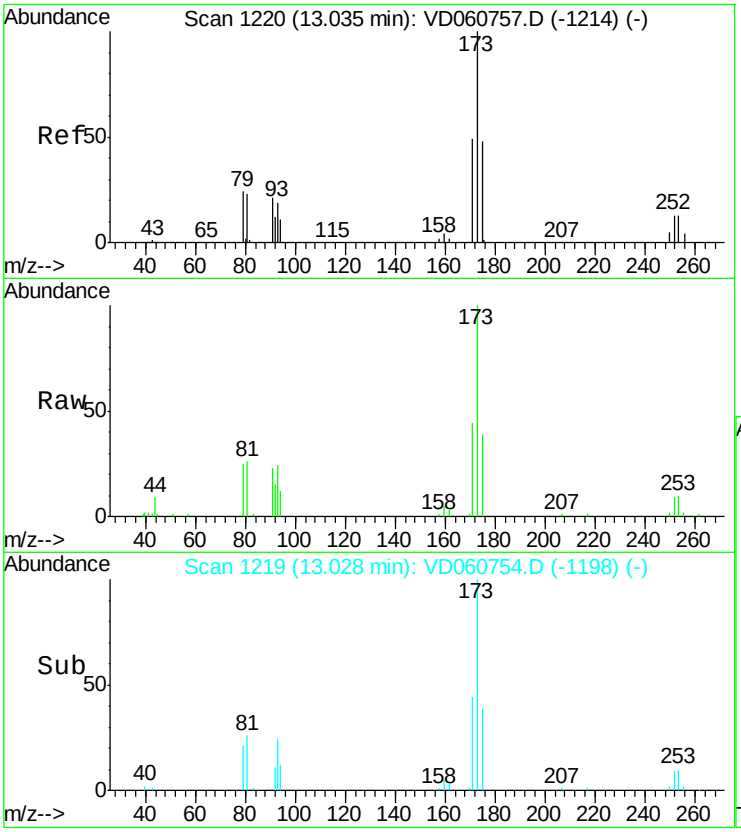




#70
Styrene
Concen: 6.238 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:104 Resp: 205701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 31.4 | 47.2# |
| 103 | 44.3 | 37.5 | 56.3 |



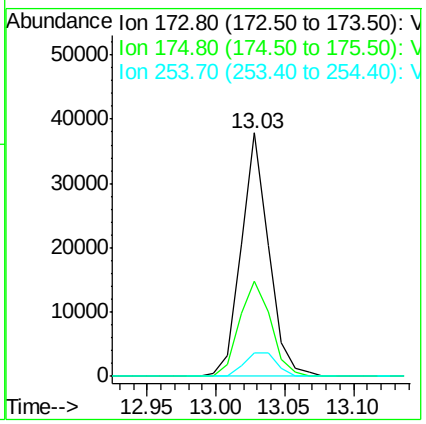


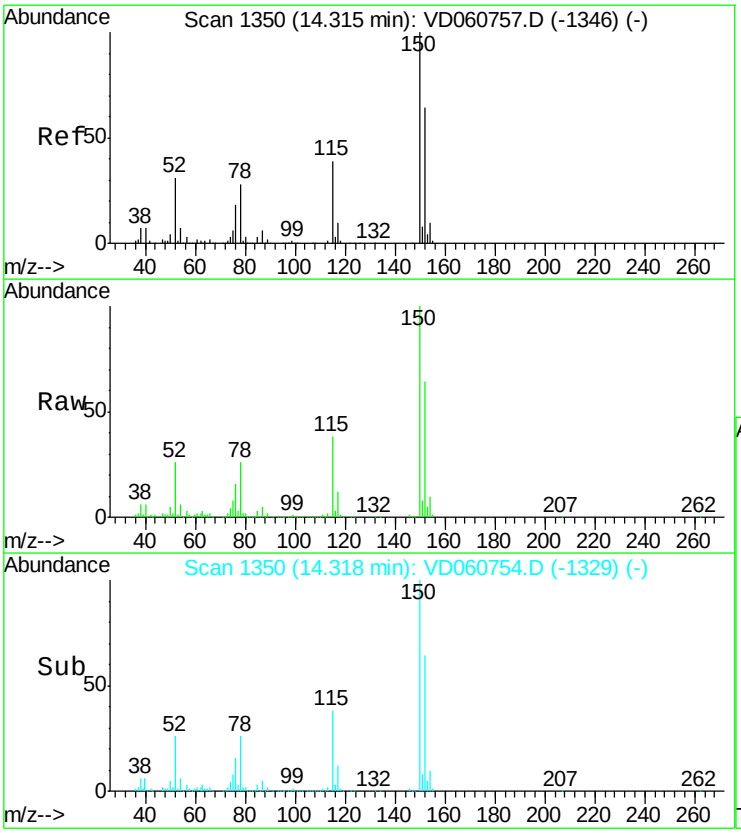

#71
Bromoform
Concen: 7.241 ug/l
RT: 13.03 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 52994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 38.9 | 25.5 | 76.5 |
| 254 | 9.7 | 7.9 | 11.9 |

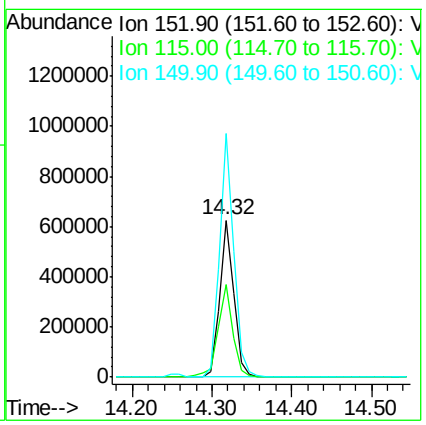


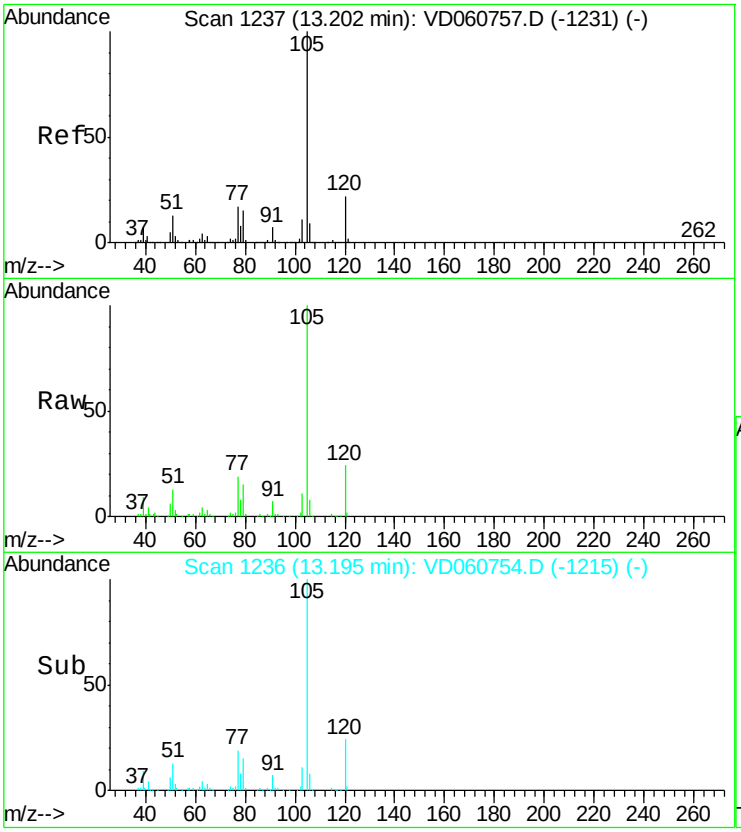




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:152 Resp: 785274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.0 | 24.1 | 72.3 |
| 150 | 155.1 | 0.0 | 315.0 |



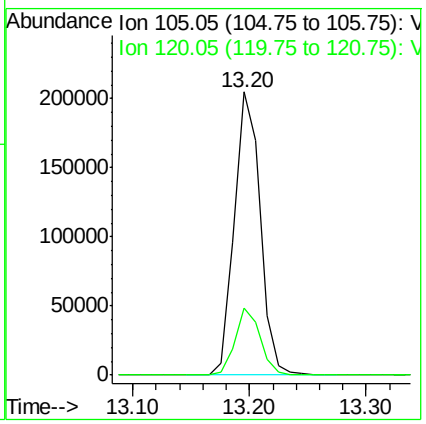


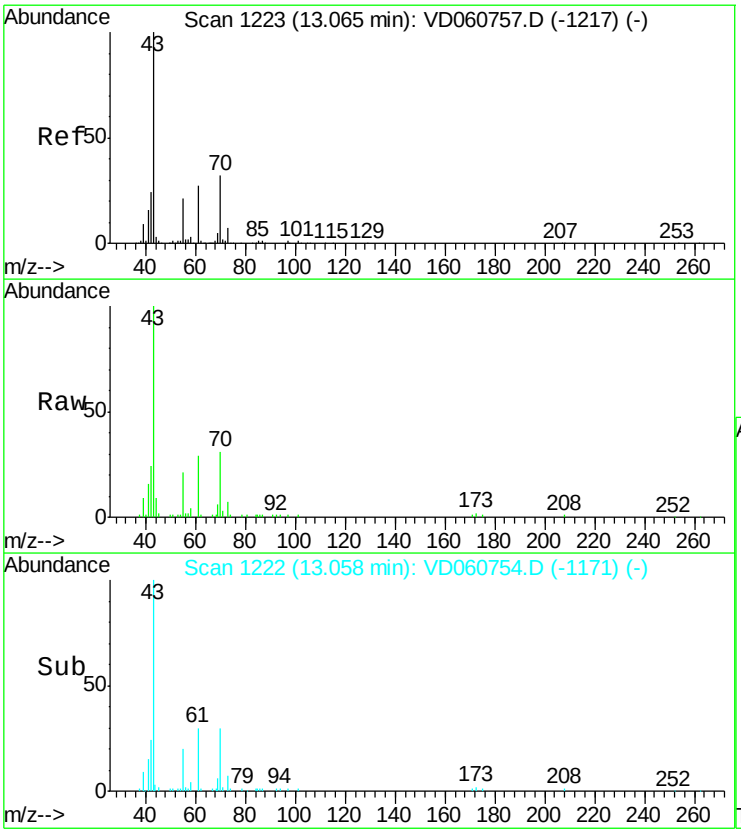

#73
Isopropylbenzene
Concen: 5.636 ug/l
RT: 13.20 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 315103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.9 | 12.2 | 36.4 |

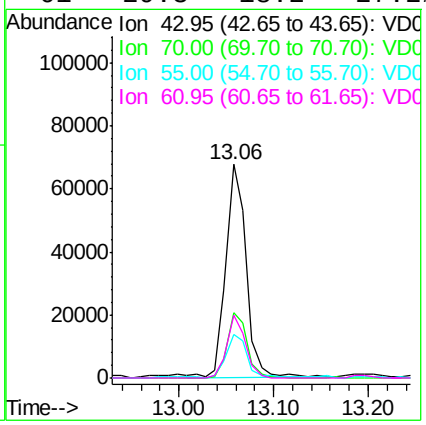


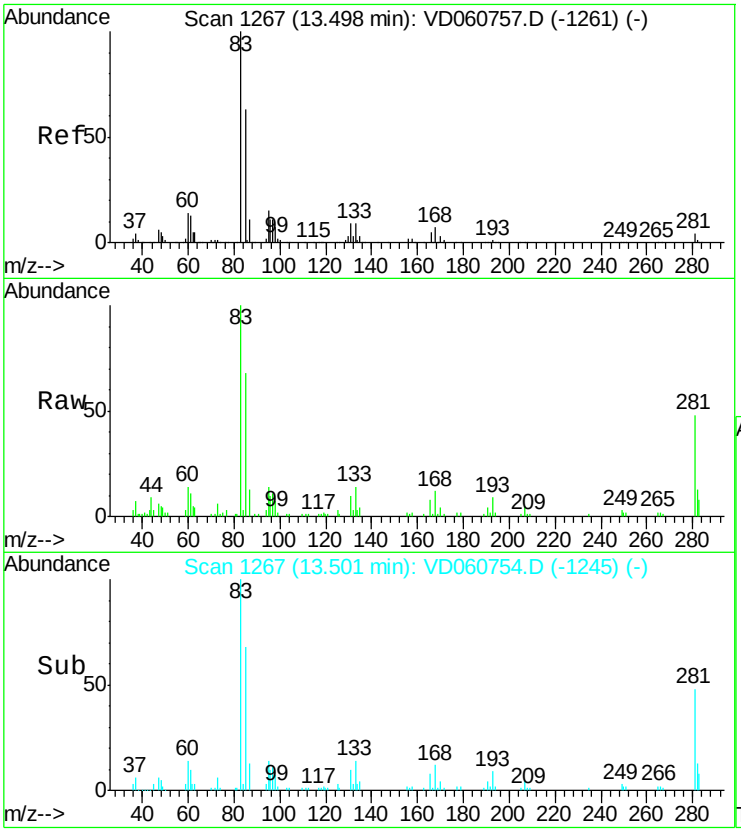




#74
N-amyl acetate
Concen: 7.683 ug/l
RT: 13.06 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 43 Resp: 101382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 30.7 | 22.2 | 33.2 |
| 55 | 20.5 | 13.8 | 20.8 |
| 61 | 29.3 | 18.2 | 27.2# |



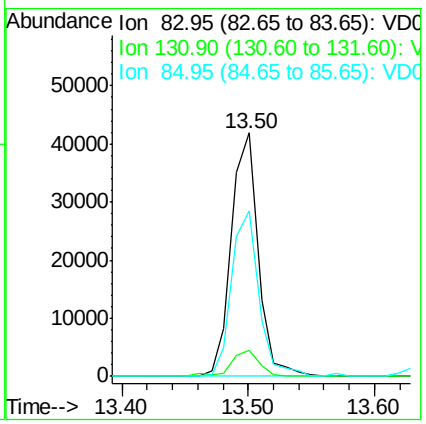


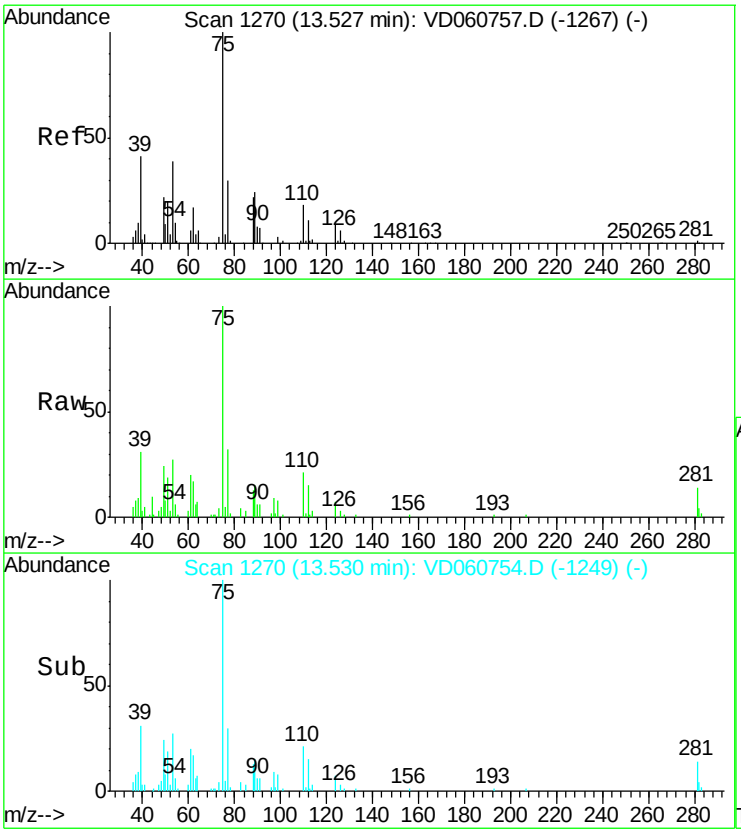

#75
1,1,2,2-Tetrachloroethane
Concen: 6.789 ug/l
RT: 13.50 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 61529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.2 | 12.4 |
| 85 | 67.8 | 32.6 | 97.7 |

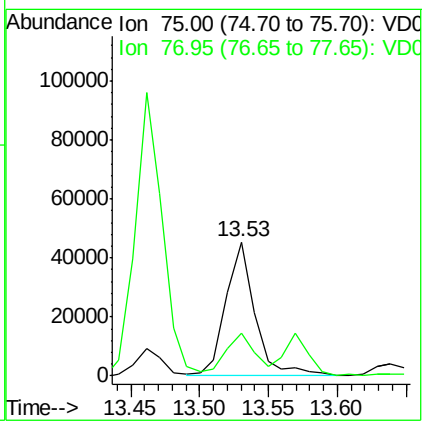


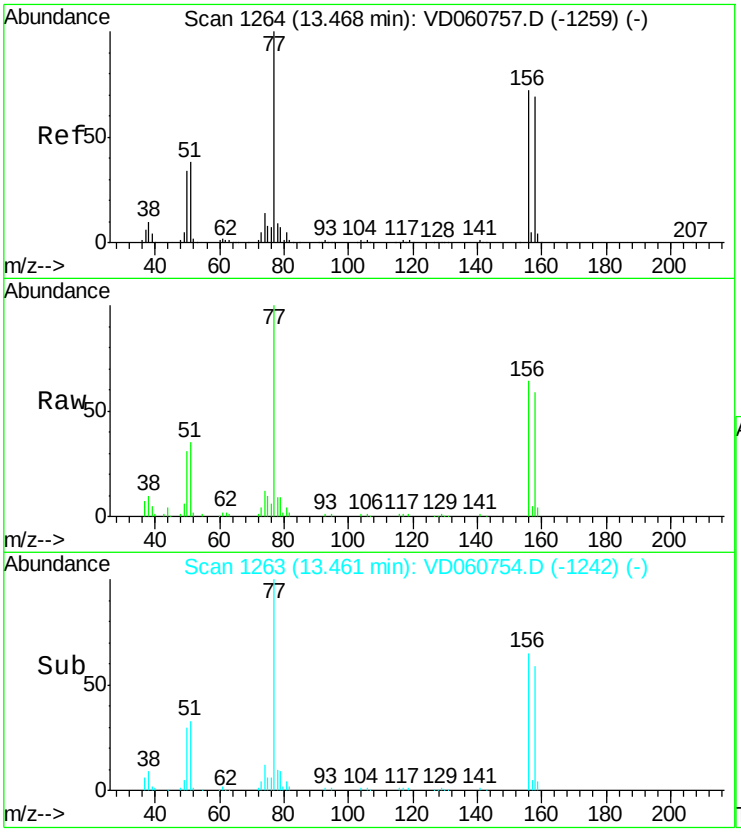




#76
1,2,3-Trichloropropane
Concen: 7.502 ug/l
RT: 13.53 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 67069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 16.7 | 50.0 |



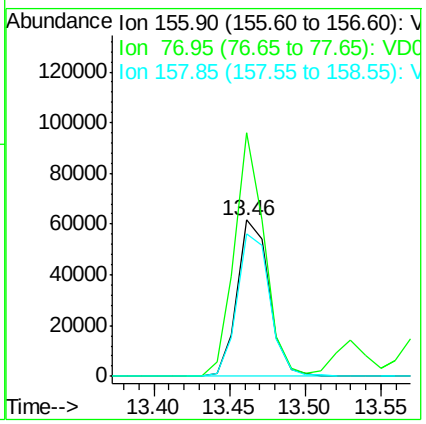


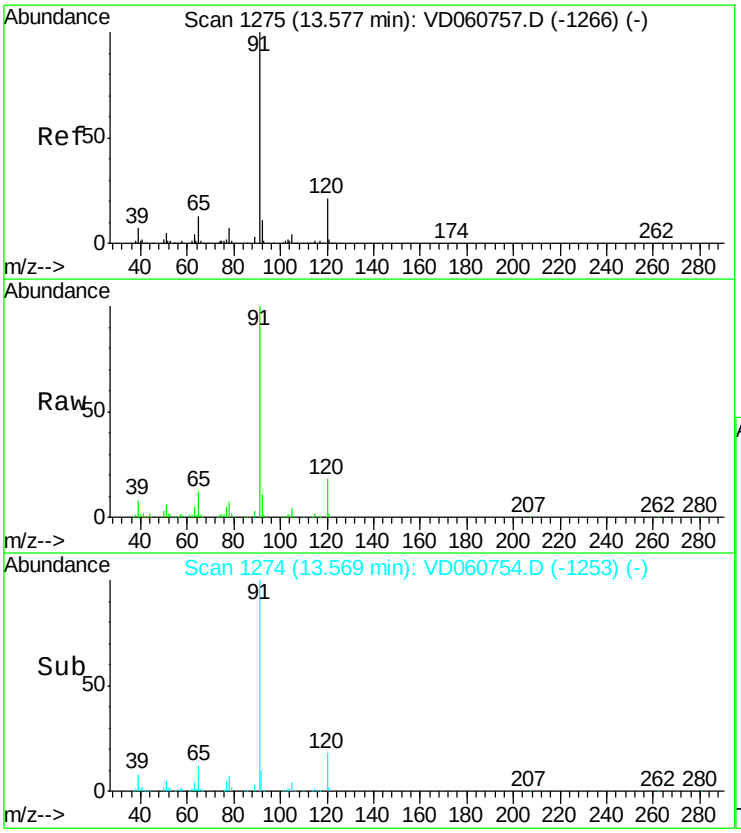

#77
Bromobenzene
Concen: 6.127 ug/l
RT: 13.46 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 90445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 155.8 | 61.3 | 183.9 |
| 158 | 91.4 | 48.9 | 146.6 |

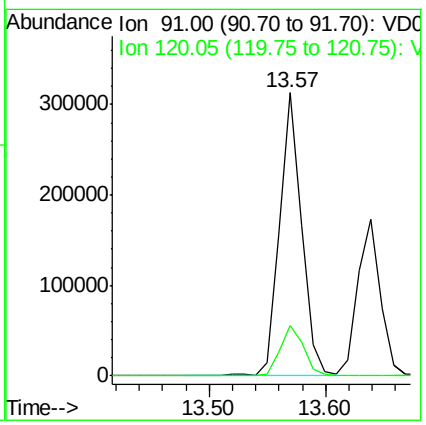


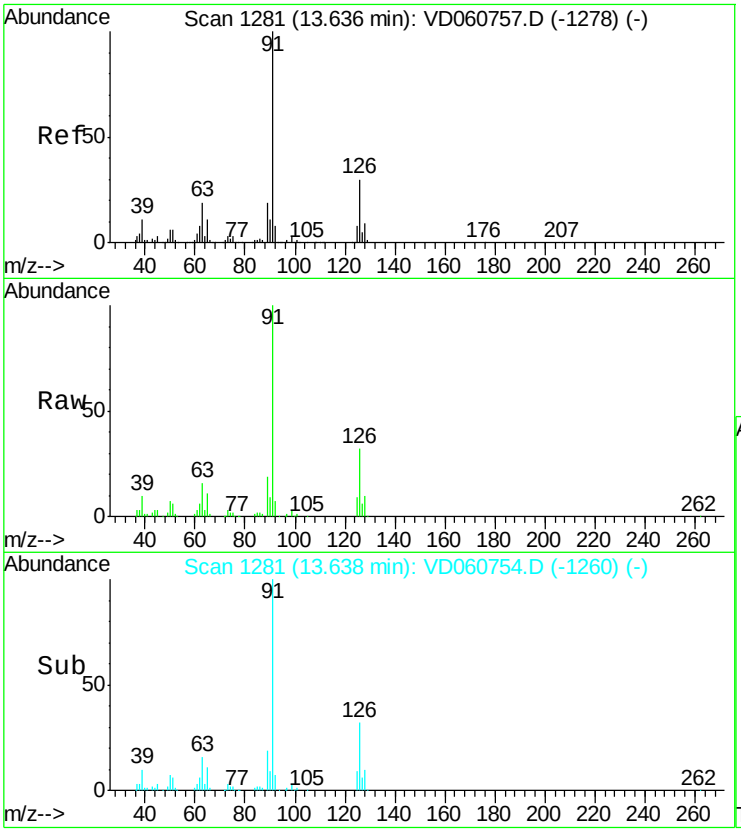




#78
n-propylbenzene
Concen: 5.757 ug/l
RT: 13.57 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 91 Resp: 411521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 18.0 | 10.4 | 31.2 |



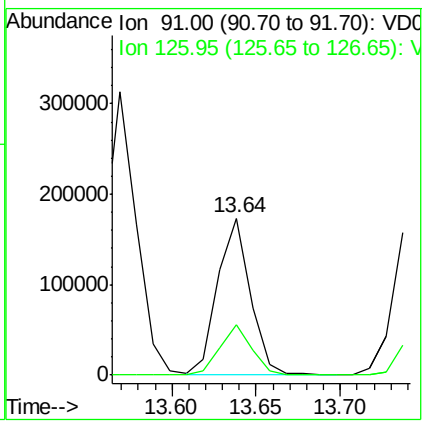


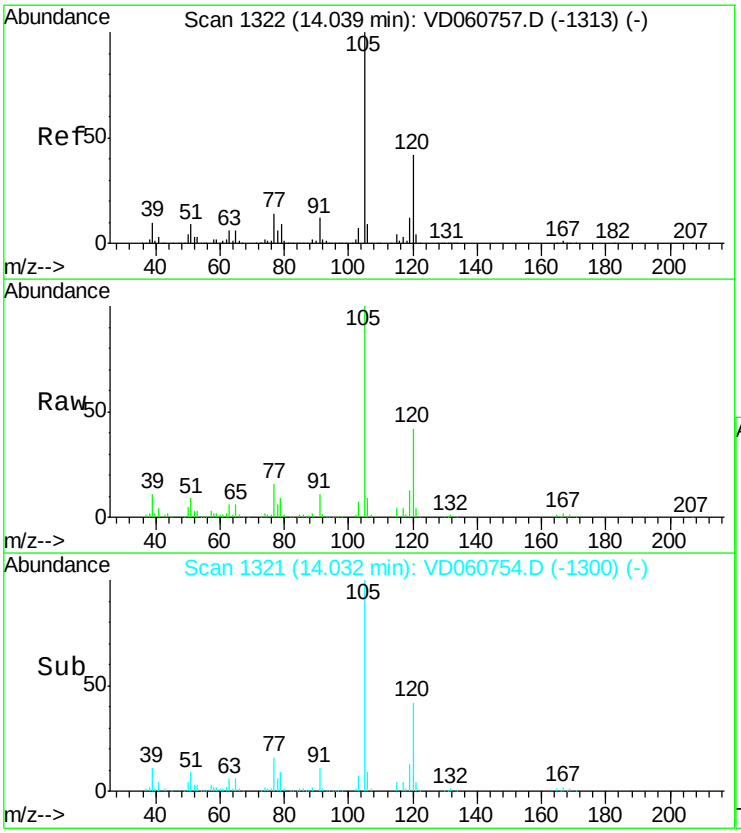

#79
2-Chlorotoluene
Concen: 6.113 ug/l
RT: 13.64 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 234017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.9 | 17.2 | 51.5 |

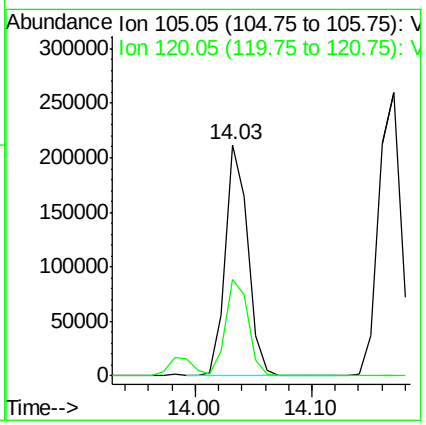


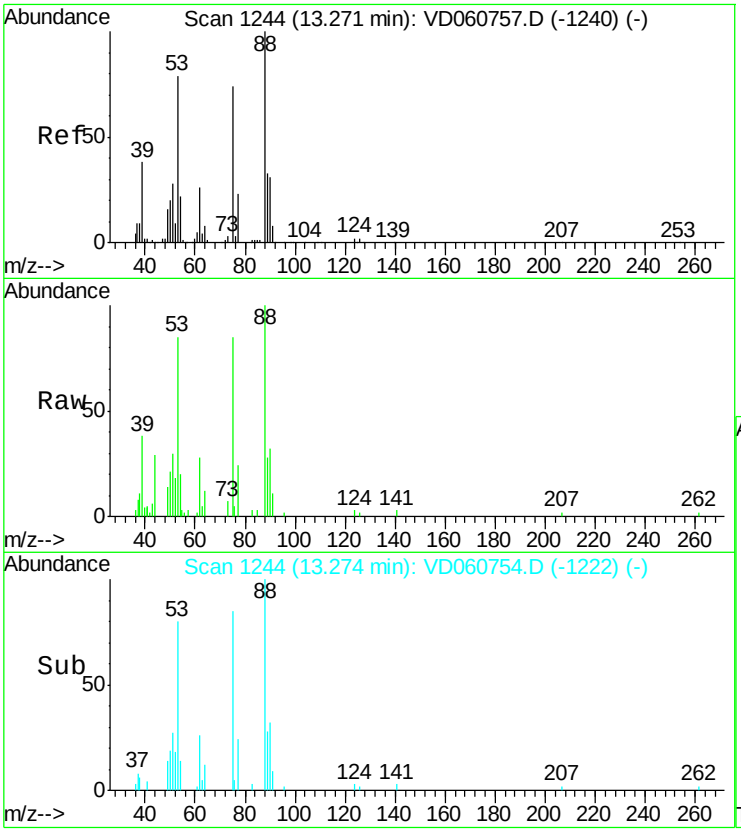




#80
1,3,5-Trimethylbenzene
Concen: 6.571 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:105 Resp: 283697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.8 | 24.8 | 74.4 |



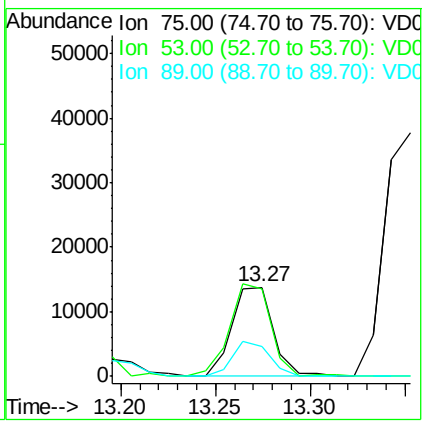


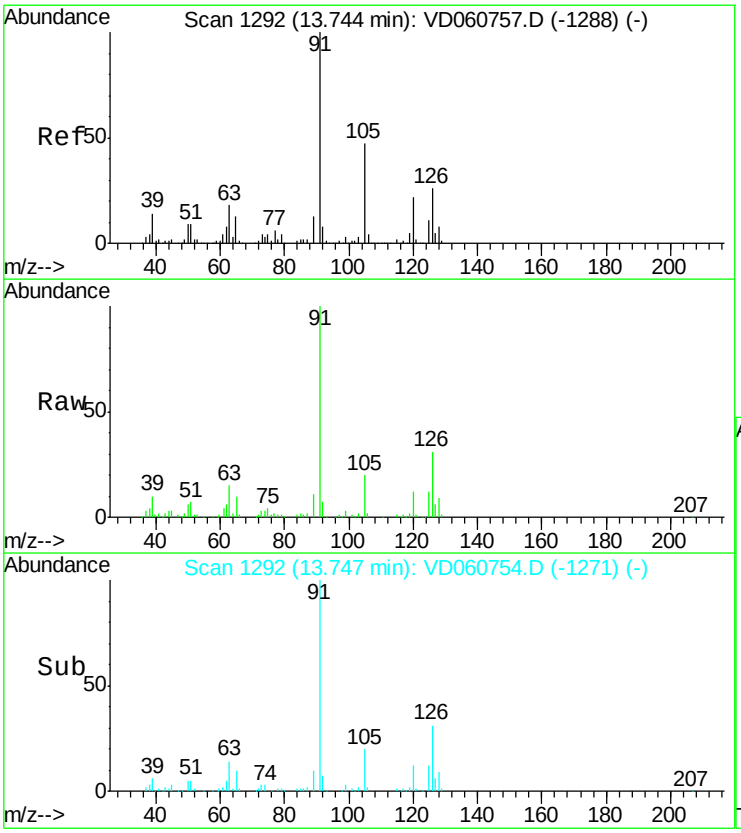

#81
trans-1,4-Dichloro-2-butene
Concen: 8.421 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 20804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.9 | 72.1 | 108.1 |
| 89 | 33.3 | 35.1 | 52.7# |

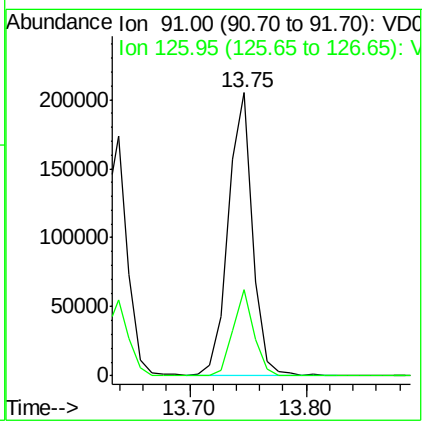


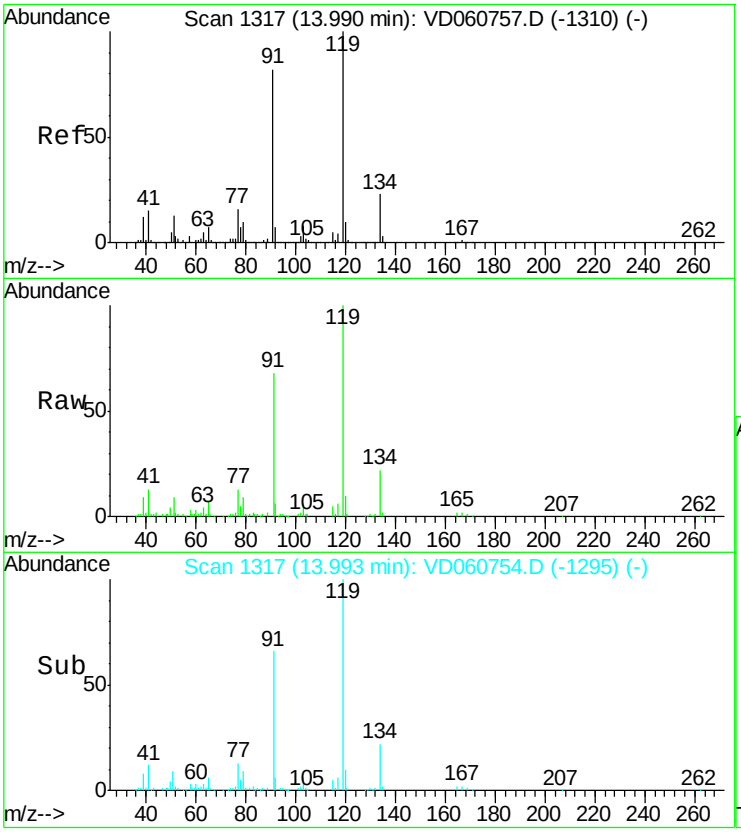




#82
4-Chlorotoluene
Concen: 6.747 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 91 Resp: 292770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.5 | 14.6 | 43.8 |



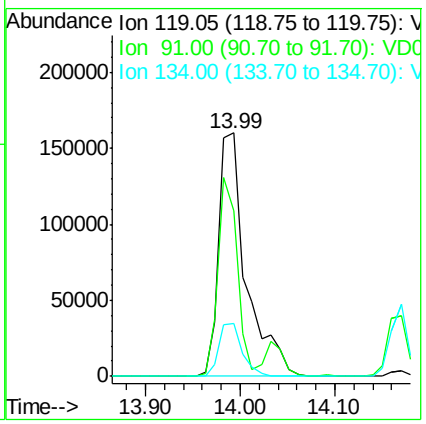


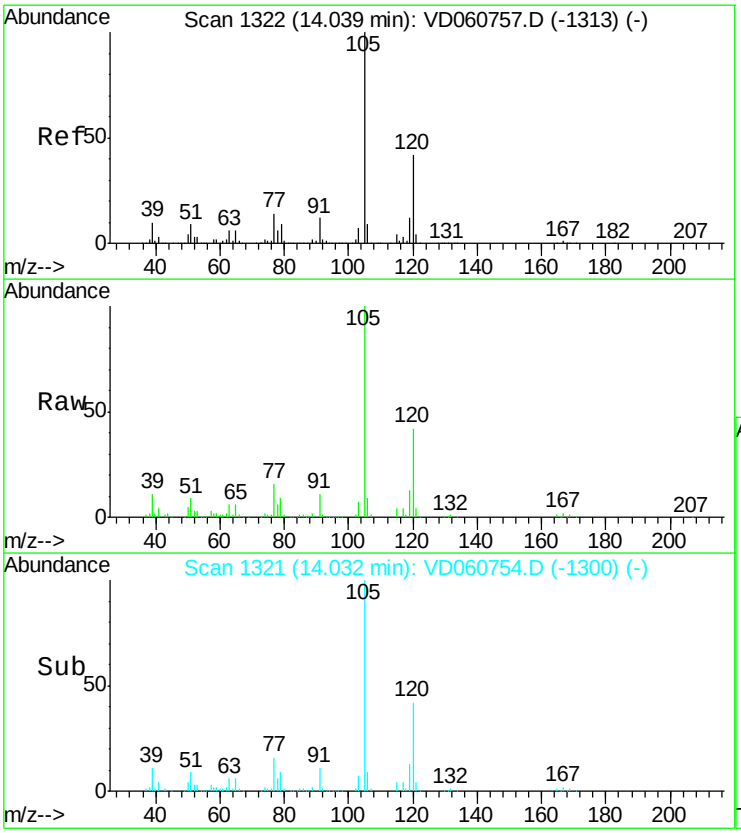

#83
tert-Butylbenzene
Concen: 6.545 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 321569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 68.0 | 32.5 | 97.4 |
| 134 | 21.6 | 11.9 | 35.9 |

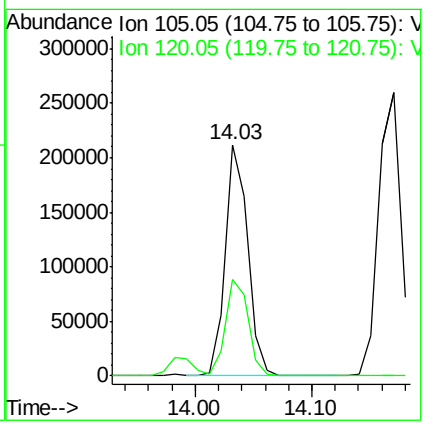


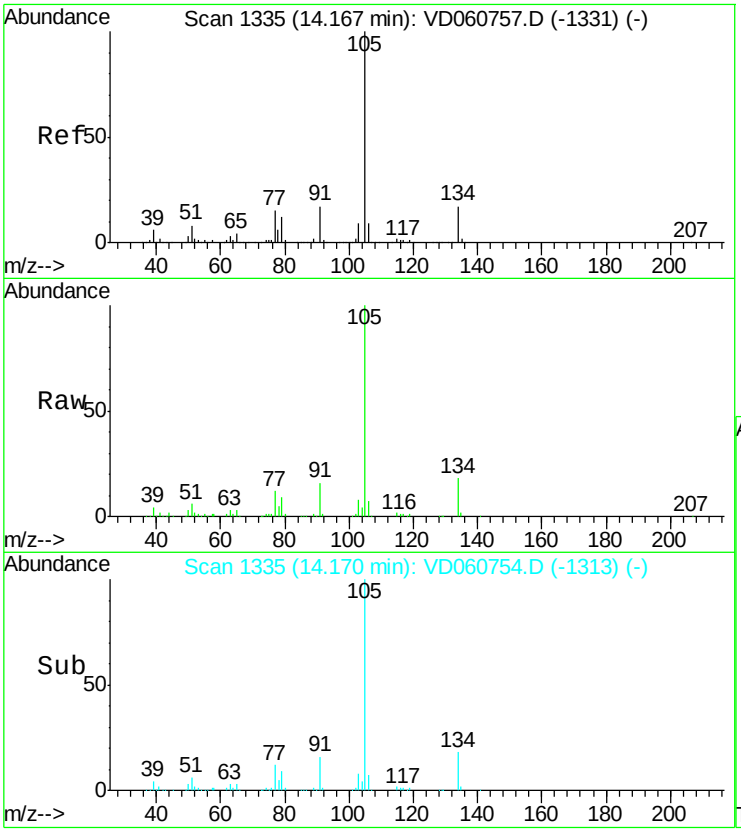




#84
1,2,4-Trimethylbenzene
Concen: 6.380 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:105 Resp: 283697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.8 | 22.4 | 67.0 |



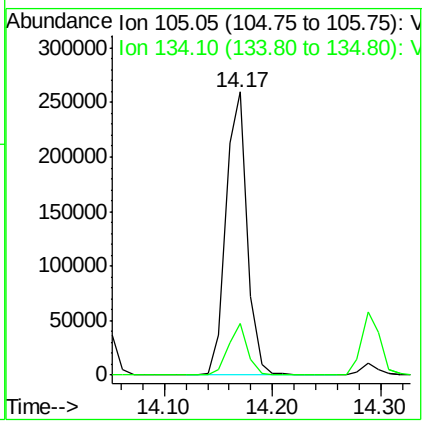


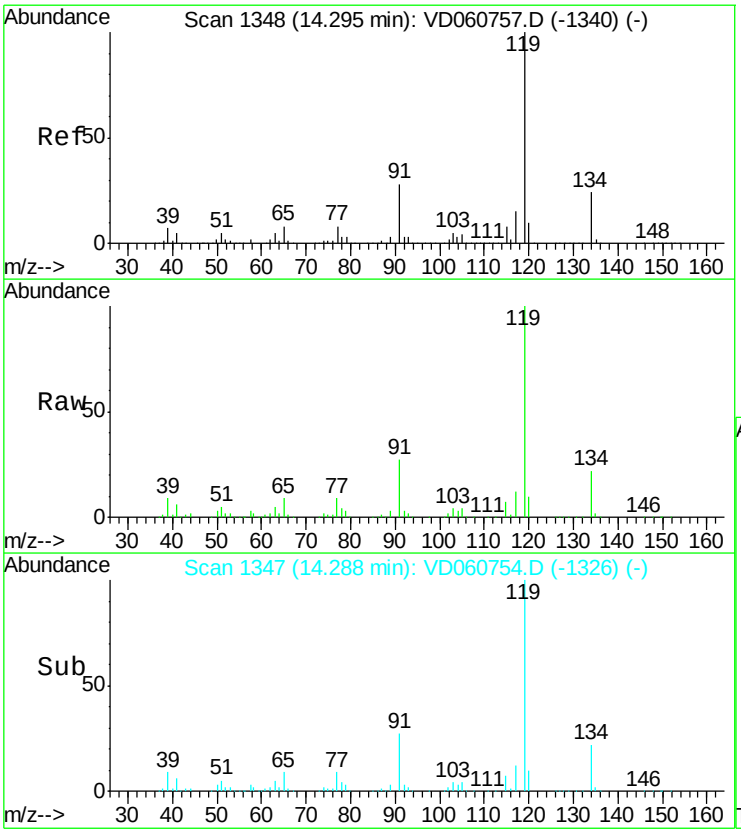

#85
sec-Butylbenzene
Concen: 5.894 ug/l
RT: 14.17 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 353181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.3 | 8.2 | 24.4 |

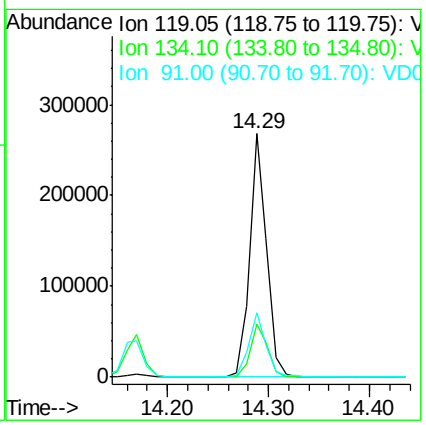


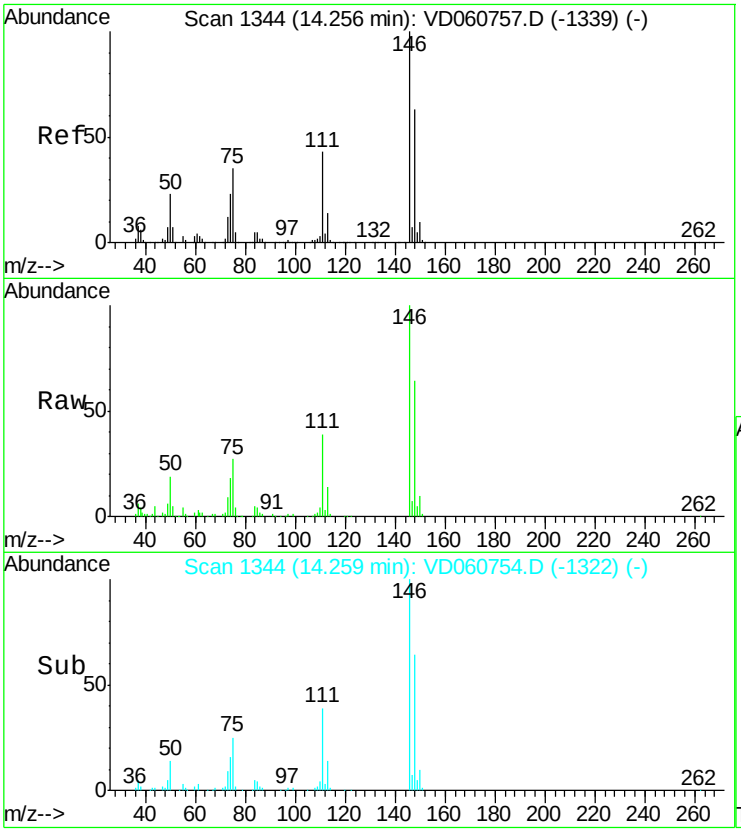




#86
p-Isopropyltoluene
Concen: 6.505 ug/l
RT: 14.29 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:119 Resp: 314647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 21.6 | 12.5 | 37.5 |
| 91 | 26.7 | 11.4 | 34.2 |



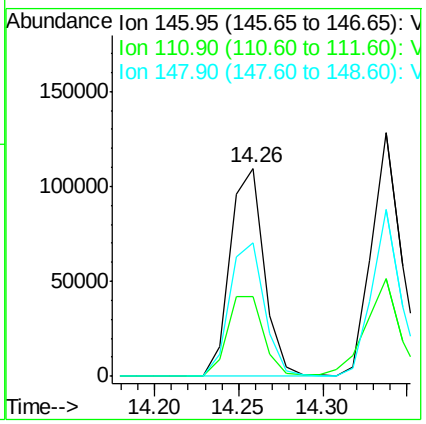


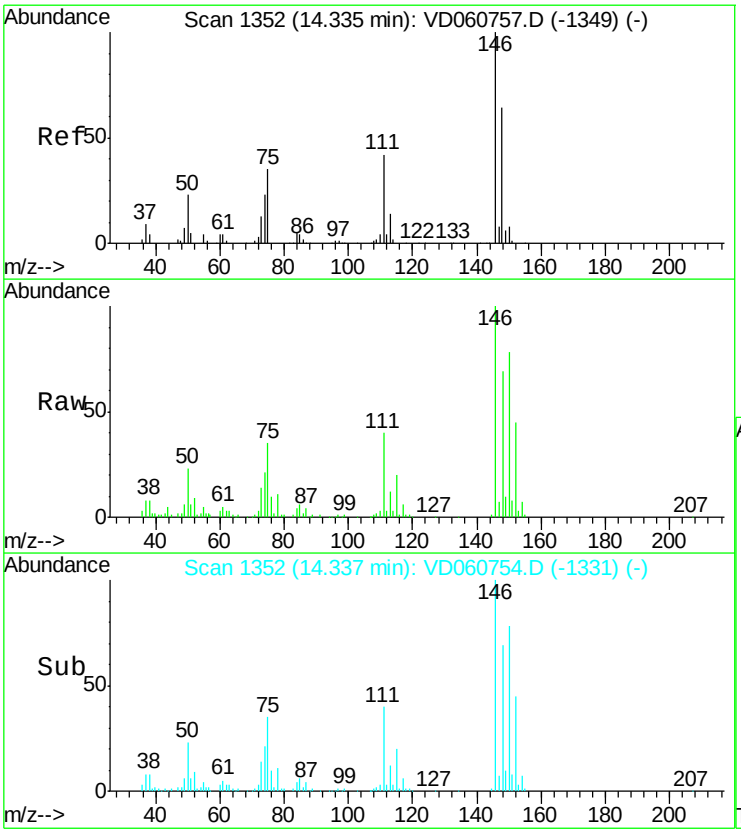

#87
1,3-Dichlorobenzene
Concen: 5.670 ug/l
RT: 14.26 min Scan# 1344
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 153636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.5 | 16.6 | 49.8 |
| 148 | 64.0 | 32.6 | 97.8 |

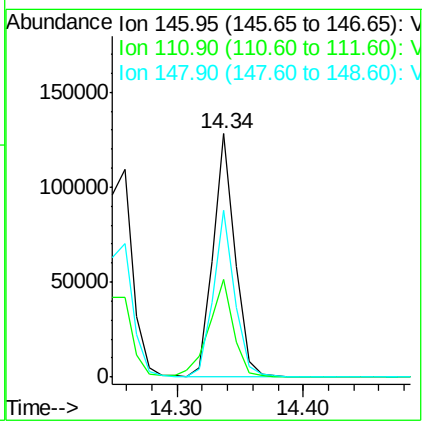


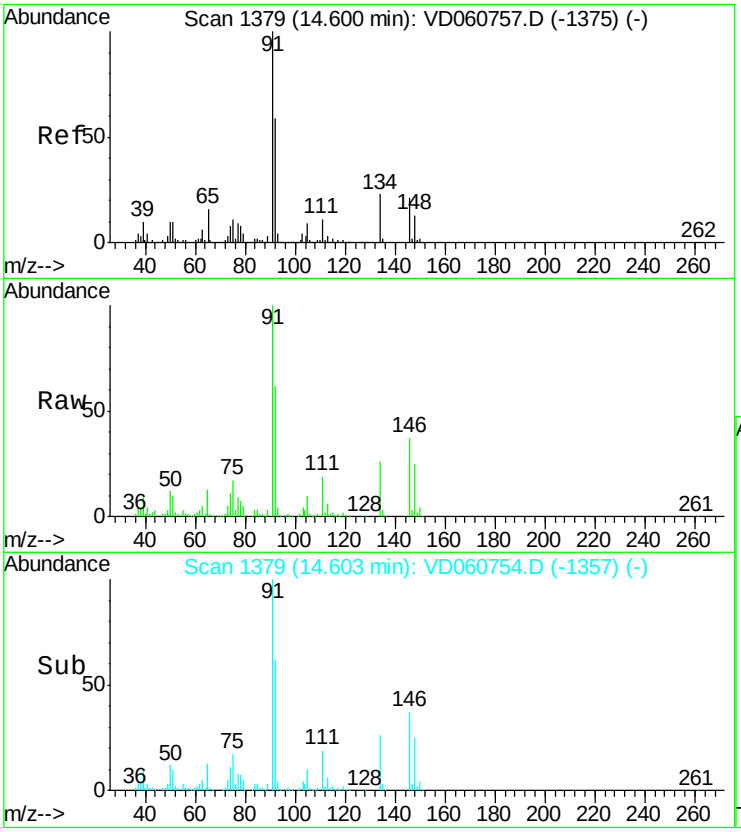




#88
1,4-Dichlorobenzene
Concen: 5.827 ug/l
RT: 14.34 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:146 Resp: 155594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.9 | 16.2 | 48.5 |
| 148 | 68.6 | 32.7 | 98.1 |



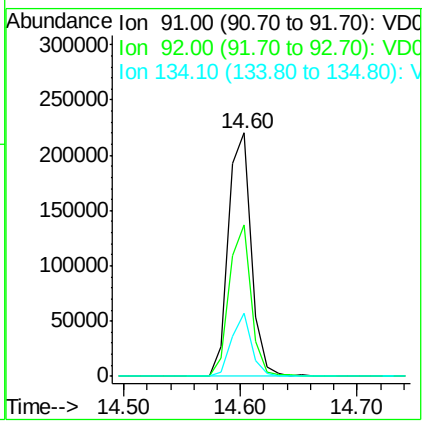


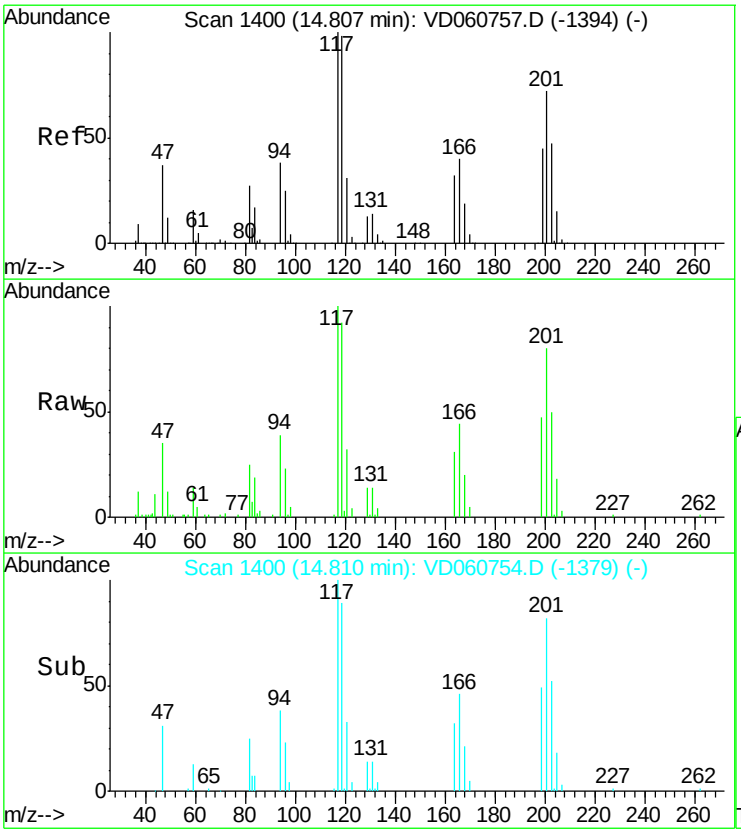

#89
n-Butylbenzene
Concen: 6.094 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 301225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 62.3 | 29.7 | 89.1 |
| 134 | 26.0 | 12.7 | 38.1 |

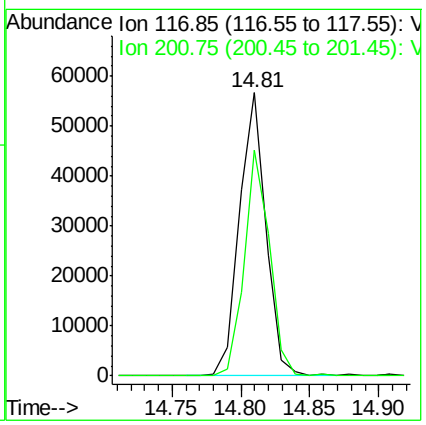


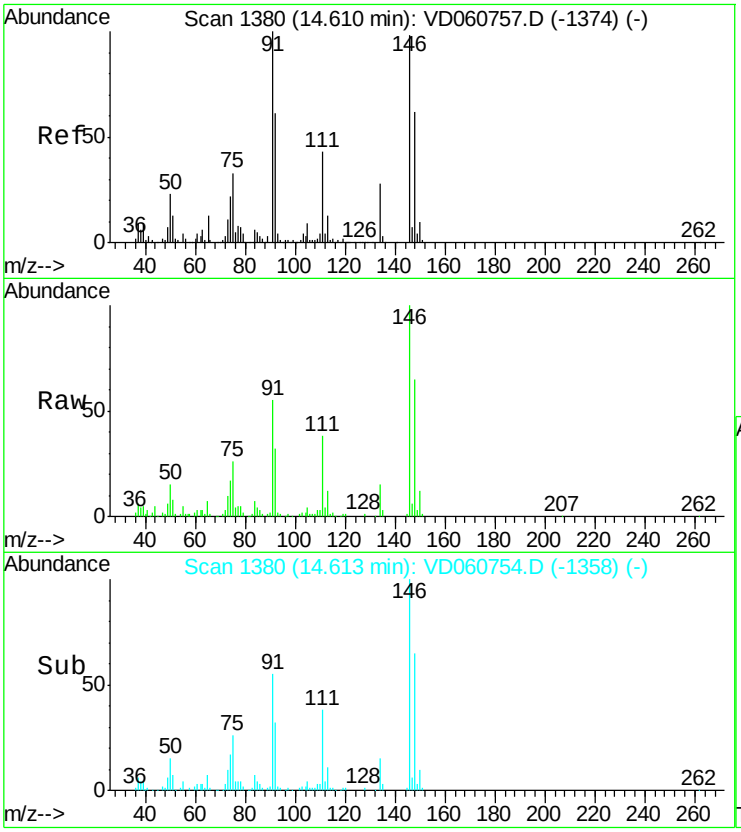




#90
Hexachloroethane
Concen: 6.394 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:117 Resp: 75975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 79.8 | 42.6 | 127.8 |



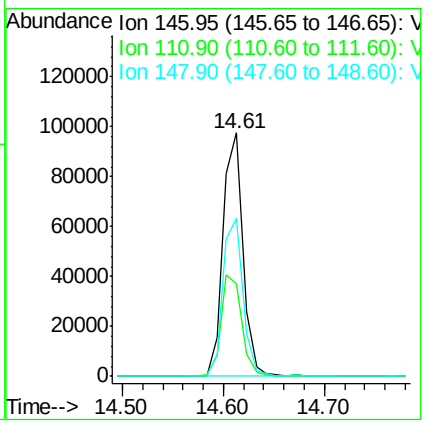


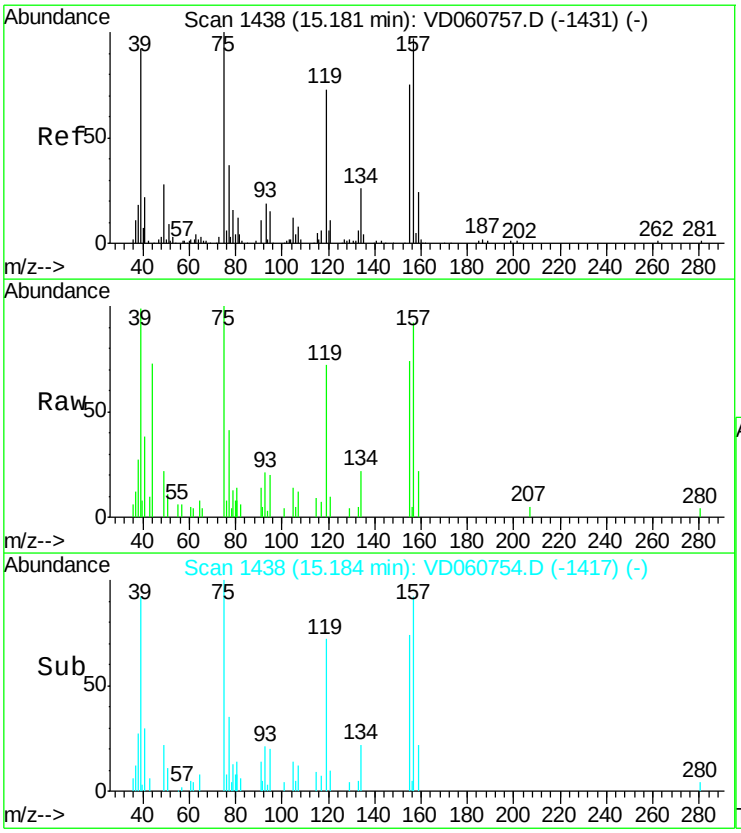

#91
1,2-Dichlorobenzene
Concen: 6.198 ug/l
RT: 14.61 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 134732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 19.3 | 57.9 |
| 148 | 64.9 | 31.9 | 95.9 |

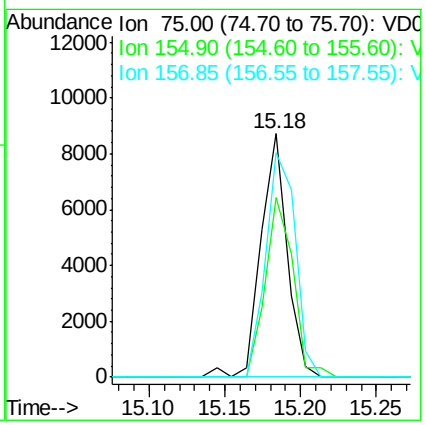


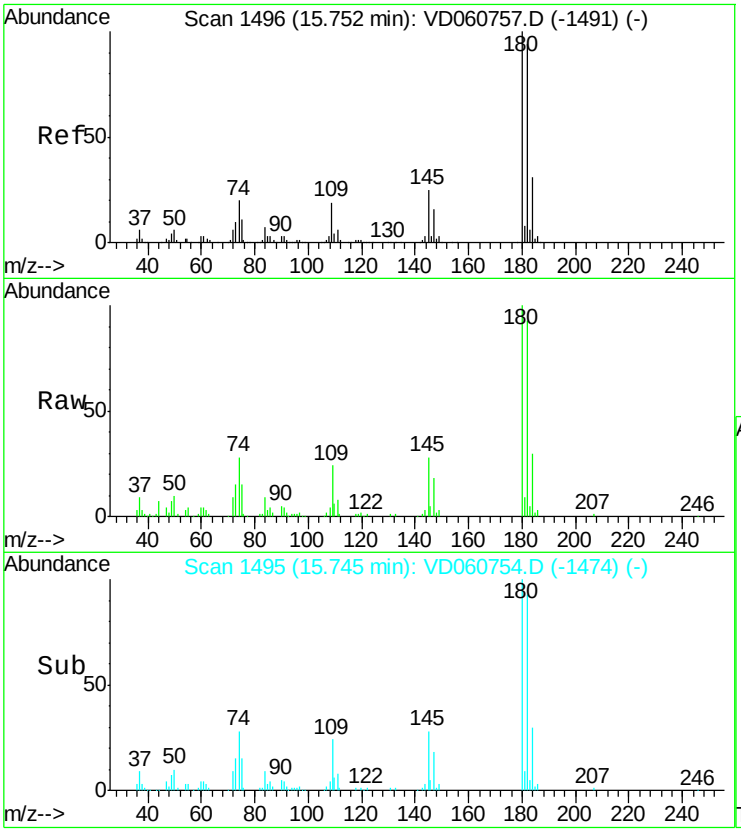




#92
1,2-Dibromo-3-Chloropropane
Concen: 9.960 ug/l
RT: 15.18 min Scan# 1438
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion: 75 Resp: 10604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 73.8 | 41.1 | 123.4 |
| 157 | 92.1 | 52.5 | 157.6 |



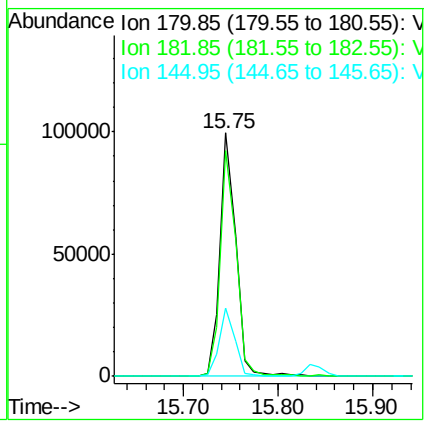


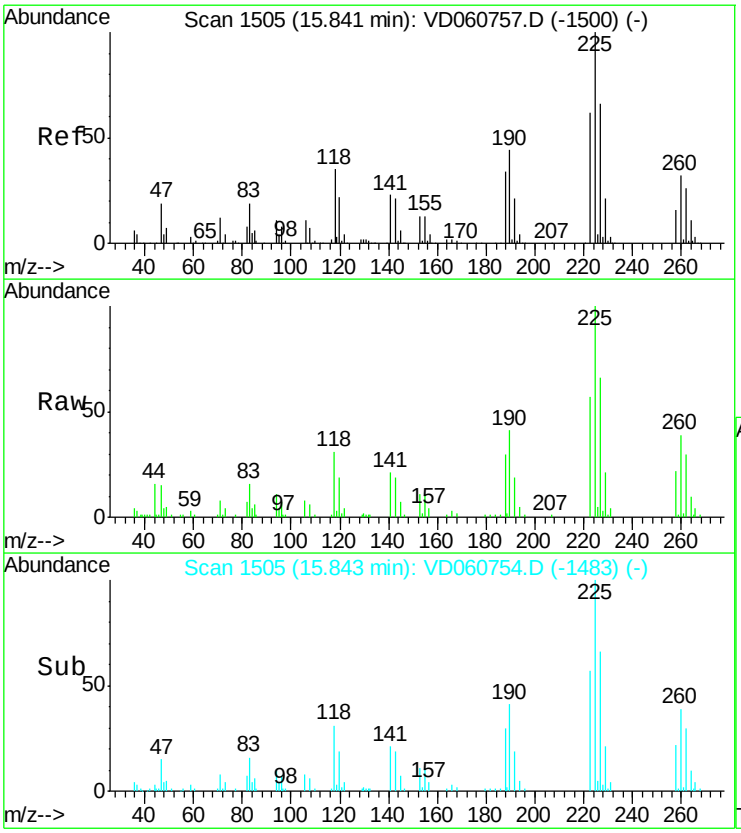

#93
1,2,4-Trichlorobenzene
Concen: 6.666 ug/l
RT: 15.75 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 115292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.8 | 146.4 |
| 145 | 28.2 | 11.8 | 35.3 |

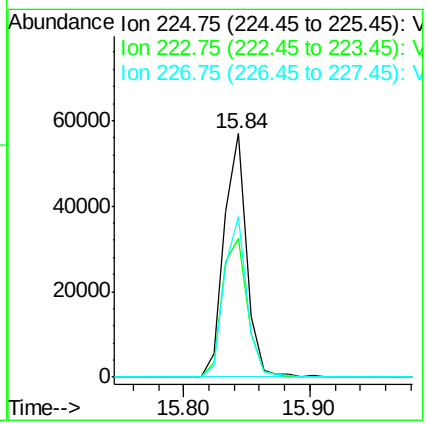


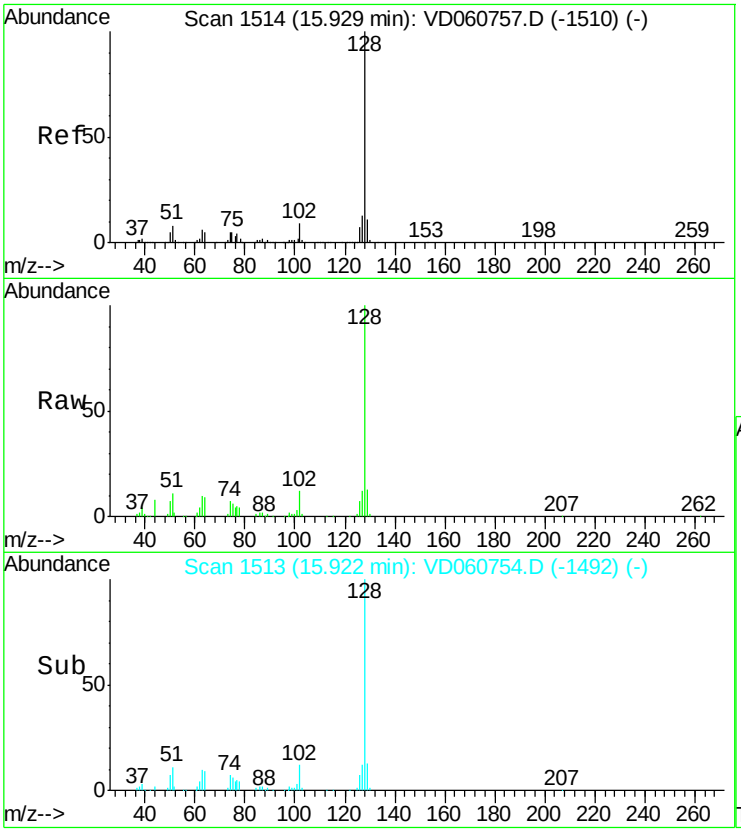




#94
Hexachlorobutadiene
Concen: 5.488 ug/l
RT: 15.84 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:225 Resp: 70162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 56.7 | 31.3 | 93.8 |
| 227 | 65.6 | 32.5 | 97.4 |



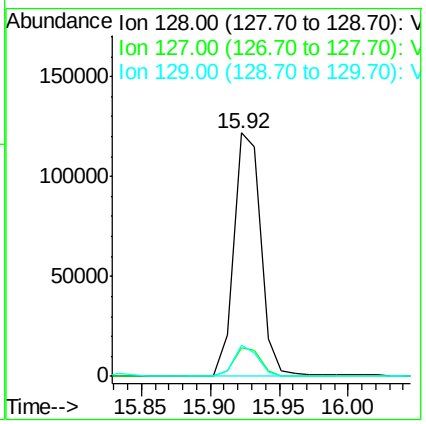


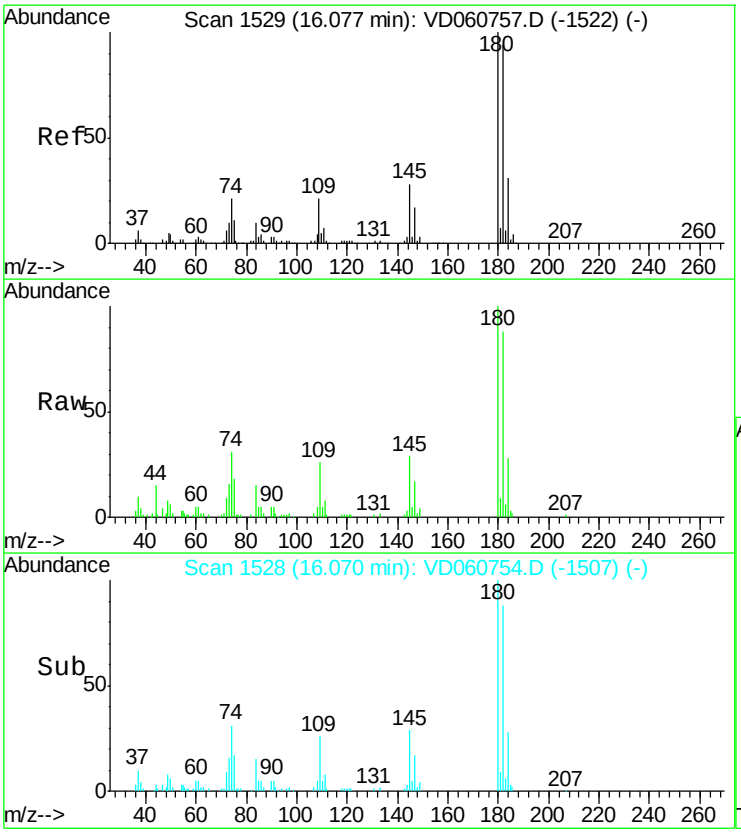

#95
Naphthalene
Concen: 8.125 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 167037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.9 | 10.1 | 15.1 |
| 129 | 12.7 | 8.6 | 13.0 |




#96
1,2,3-Trichlorobenzene
Concen: 6.143 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VD060754.D
Acq: 18 Jan 2019 10:49

Tgt Ion:180 Resp: 83057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.2 | 48.6 | 145.9 |
| 145 | 28.8 | 12.6 | 37.8 |