Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

Quantitation Report (Not Reviewed)

Data File : VF061317.D
Acq On : 10 Jan 2019 00:48
Operator : VA/AP
Sample : VF0109SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Quant Time: Jan 10 06:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.88 | 168 | 200696 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 339473 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.79 | 117 | 339350 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 166279 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 138805 | 62.14 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 124.28% | | | | |
| 35) Dibromofluoromethane | 4.13 | 113 | 148927 | 57.33 | ug/l | | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 114.66% | | | | |
| 50) Toluene-d8 | 7.57 | 98 | 425175 | 55.31 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.62% | | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 200260 | 59.66 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 119.32% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.97 | 85 | 74143 | 20.028 | ug/l | | 98 |
| 3) Chloromethane | 1.10 | 50 | 61149 | 18.536 | ug/l | | 88 |
| 4) Vinyl Chloride | 1.15 | 62 | 53384 | 18.118 | ug/l | | 99 |
| 5) Bromomethane | 1.30 | 94 | 32781 | 15.229 | ug/l | | 97 |
| 6) Chloroethane | 1.39 | 64 | 22945 | 15.947 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 1.48 | 101 | 90630 | 18.145 | ug/l | | 100 |
| 8) Diethyl Ether | 1.64 | 74 | 13987 | 19.070 | ug/l | | 95 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.84 | 101 | 45020 | 17.070 | ug/l | | 94 |
| 10) Methyl Iodide | 1.86 | 142 | 22348 | 5.409 | ug/l | | 97 |
| 11) Tert butyl alcohol | 2.58 | 59 | 9309 | 104.081 | ug/l | | 97 |
| 12) 1,1-Dichloroethene | 1.80 | 96 | 35635 | 16.897 | ug/l | | 91 |
| 13) Acrolein | 2.01 | 56 | 8726 | 74.873 | ug/l | | 86 |
| 14) Allyl chloride | 2.10 | 41 | 63115 | 16.373 | ug/l | | 94 |
| 15) Acrylonitrile | 2.96 | 53 | 33294 | 105.008 | ug/l | | 84 |
| 16) Acetone | 2.25 | 43 | 41333 | 79.540 | ug/l | # | 88 |
| 17) Carbon Disulfide | 1.81 | 76 | 112041 | 16.084 | ug/l | | 95 |
| 18) Methyl Acetate | 2.36 | 43 | 20073 | 19.633 | ug/l | | 94 |
| 19) Methyl tert-butyl Ether | 2.44 | 73 | 78306 | 19.484 | ug/l | | 93 |
| 20) Methylene Chloride | 2.19 | 84 | 21159 | 9.625 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 2.32 | 96 | 38580 | 17.263 | ug/l | | 89 |
| 22) Diisopropyl ether | 2.81 | 45 | 139569 | 18.714 | ug/l | | 98 |
| 23) Vinyl Acetate | 3.21 | 43 | 244328 | 112.023 | ug/l | | 100 |
| 24) 1,1-Dichloroethane | 2.88 | 63 | 81194 | 18.821 | ug/l | | 99 |
| 25) 2-Butanone | 4.35 | 43 | 89481 | 106.987 | ug/l | | 100 |
| 26) 2,2-Dichloropropane | 3.62 | 77 | 44191 | 15.329 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 3.49 | 96 | 56258 | 18.030 | ug/l | | 96 |
| 28) Bromochloromethane | 3.74 | 49 | 42163 | 22.166 | ug/l | # | 97 |
| 29) Tetrahydrofuran | 4.09 | 42 | 41022 | 117.308 | ug/l | | 95 |
| 30) Chloroform | 3.88 | 83 | 115778 | 21.141 | ug/l | | 97 |
| 31) Cyclohexane | 3.71 | 56 | 82893 | 18.315 | ug/l | | 89 |
| 32) 1,1,1-Trichloroethane | 4.10 | 97 | 74019 | 16.733 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 4.30 | 75 | 85602 | 21.594 | ug/l | | 94 |
| 37) Ethyl Acetate | 4.13 | 43 | 34579 | 23.953 | ug/l | # | 47 |
| 38) Carbon Tetrachloride | 4.01 | 117 | 72698 | 19.363 | ug/l | | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

Quantitation Report (Not Reviewed)

Data File : VF061317.D
Acq On : 10 Jan 2019 00:48
Operator : VA/AP
Sample : VF0109SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Quant Time: Jan 10 06:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.48 | 83 | 97434 | 19.643 | ug/l | | 97 |
| 40) Benzene | 4.65 | 78 | 189068 | 20.428 | ug/l | | 100 |
| 41) Methacrylonitrile | 4.77 | 41 | 18515 | 22.967 | ug/l | # | 83 |
| 42) 1,2-Dichloroethane | 4.96 | 62 | 65442 | 22.712 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.98 | 43 | 43419 | 22.781 | ug/l | # | 99 |
| 44) Trichloroethene | 5.53 | 130 | 59301 | 21.894 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 6.26 | 63 | 49295 | 20.945 | ug/l | | 99 |
| 46) Dibromomethane | 6.11 | 93 | 32801 | 22.699 | ug/l | | 88 |
| 47) Bromodichloromethane | 6.40 | 83 | 84113 | 23.404 | ug/l | | 98 |
| 48) Methyl methacrylate | 6.73 | 41 | 27945 | 22.589 | ug/l | | 95 |
| 49) 1,4-Dioxane | 6.73 | 88 | 4340 | 555.978 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.28 | 43 | 164409 | 114.285 | ug/l | | 100 |
| 52) Toluene | 7.64 | 92 | 122710 | 20.628 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.30 | 75 | 62999 | 22.321 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 7.32 | 75 | 85572 | 22.867 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 8.50 | 97 | 38625 | 23.203 | ug/l | | 89 |
| 56) Ethyl methacrylate | 8.63 | 69 | 42491 | 22.839 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 8.87 | 76 | 70018 | 23.767 | ug/l | | 93 |
| 58) 2-Chloroethyl Vinyl ether | 7.31 | 63 | 10746 | 135.539 | ug/l | | 98 |
| 59) 2-Hexanone | 9.51 | 43 | 122300 | 120.000 | ug/l | | 94 |
| 60) Dibromochloromethane | 8.73 | 129 | 51132 | 23.068 | ug/l | | 93 |
| 61) 1,2-Dibromoethane | 9.01 | 107 | 38247 | 22.540 | ug/l | | 91 |
| 64) Tetrachloroethene | 8.17 | 164 | 51445 | 20.822 | ug/l | | 93 |
| 65) Chlorobenzene | 9.82 | 112 | 143277 | 20.908 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 9.94 | 131 | 58922 | 21.072 | ug/l | | 95 |
| 67) Ethyl Benzene | 9.91 | 91 | 271202 | 20.526 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.15 | 106 | 179685 | 38.987 | ug/l | | 100 |
| 69) o-Xylene | 10.72 | 106 | 107736 | 20.926 | ug/l | | 90 |
| 70) Styrene | 10.80 | 104 | 141772 | 20.671 | ug/l | | 98 |
| 71) Bromoform | 10.78 | 173 | 26380 | 23.085 | ug/l | # | 91 |
| 73) Isopropylbenzene | 11.14 | 105 | 306522 | 20.949 | ug/l | | 100 |
| 74) N-amyl acetate | 11.38 | 43 | 80340 | 24.155 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.71 | 83 | 54780 | 23.613 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.81 | 75 | 37600 | 22.098 | ug/l | | 97 |
| 77) Bromobenzene | 11.50 | 156 | 59361 | 20.393 | ug/l | | 90 |
| 78) n-propylbenzene | 11.60 | 91 | 366820 | 21.027 | ug/l | | 96 |
| 79) 2-Chlorotoluene | 11.73 | 91 | 204529 | 21.043 | ug/l | | 89 |
| 80) 1,3,5-Trimethylbenzene | 11.84 | 105 | 240902 | 20.692 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 11.88 | 75 | 21241 | 28.567 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.91 | 91 | 204063 | 20.662 | ug/l | | 94 |
| 83) tert-Butylbenzene | 12.14 | 119 | 250367 | 21.585 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 12.21 | 105 | 233977 | 20.242 | ug/l | | 97 |
| 85) sec-Butylbenzene | 12.31 | 105 | 340806 | 20.635 | ug/l | | 96 |
| 86) p-Isopropyltoluene | 12.47 | 119 | 276345 | 20.571 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 12.49 | 146 | 118657 | 20.874 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.58 | 146 | 114230 | 20.902 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.85 | 91 | 285338 | 20.672 | ug/l | | 95 |
| 90) Hexachloroethane | 12.92 | 117 | 63841 | 20.775 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.95 | 146 | 117347 | 21.627 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65 | 75 | 8822 | 22.506 | ug/l | | 75 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

Quantitation Report (Not Reviewed)

Data File : VF061317.D
Acq On : 10 Jan 2019 00:48
Operator : VA/AP
Sample : VF0109SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Quant Time: Jan 10 06:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180 | 74763 | 20.023 | ug/l | 99 |
| 94) Hexachlorobutadiene | 14.20 | 225 | 44077 | 18.337 | ug/l | 99 |
| 95) Naphthalene | 14.47 | 128 | 140549 | 19.975 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.61 | 180 | 67973 | 19.326 | ug/l | 99 |

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

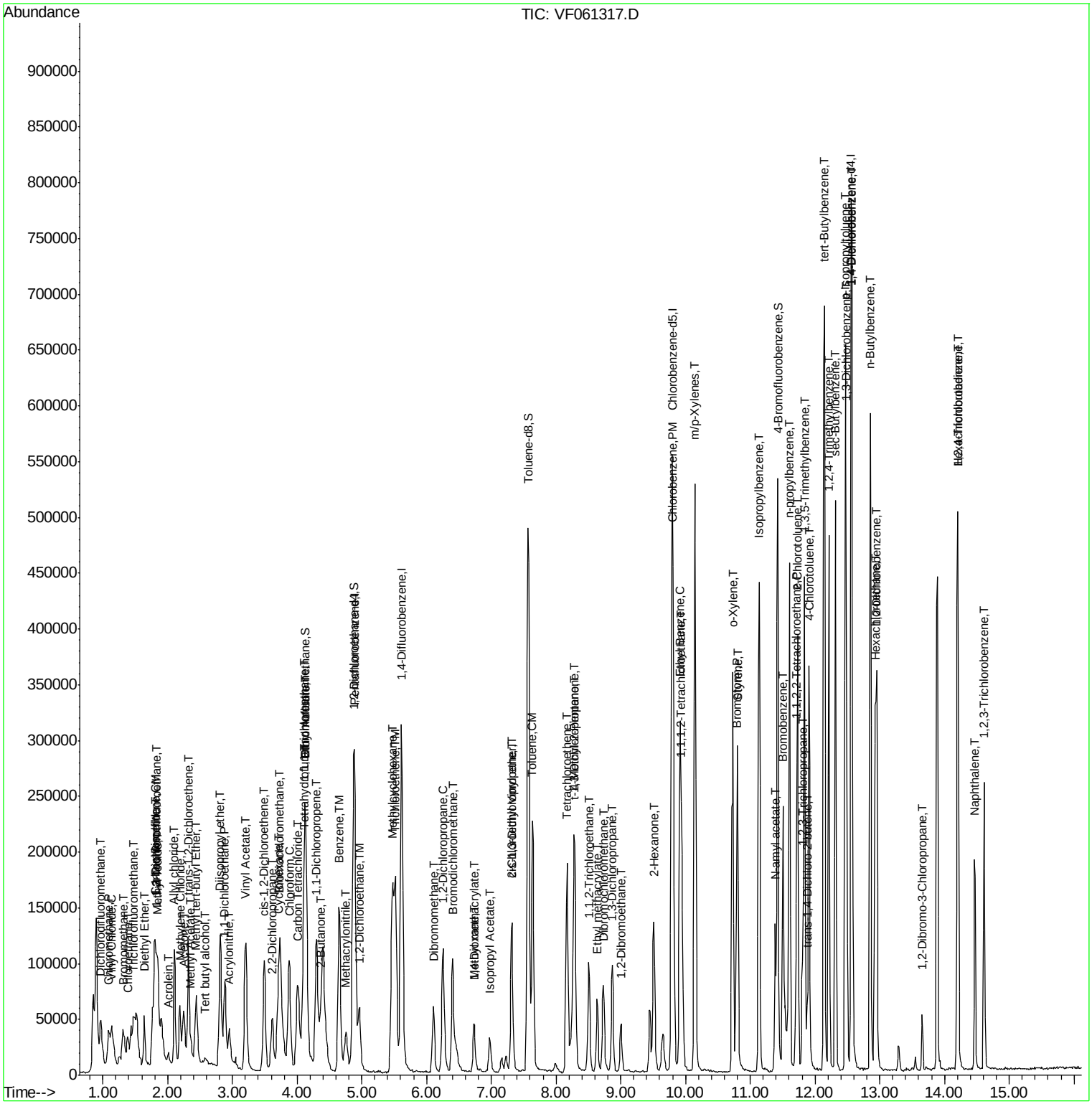
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

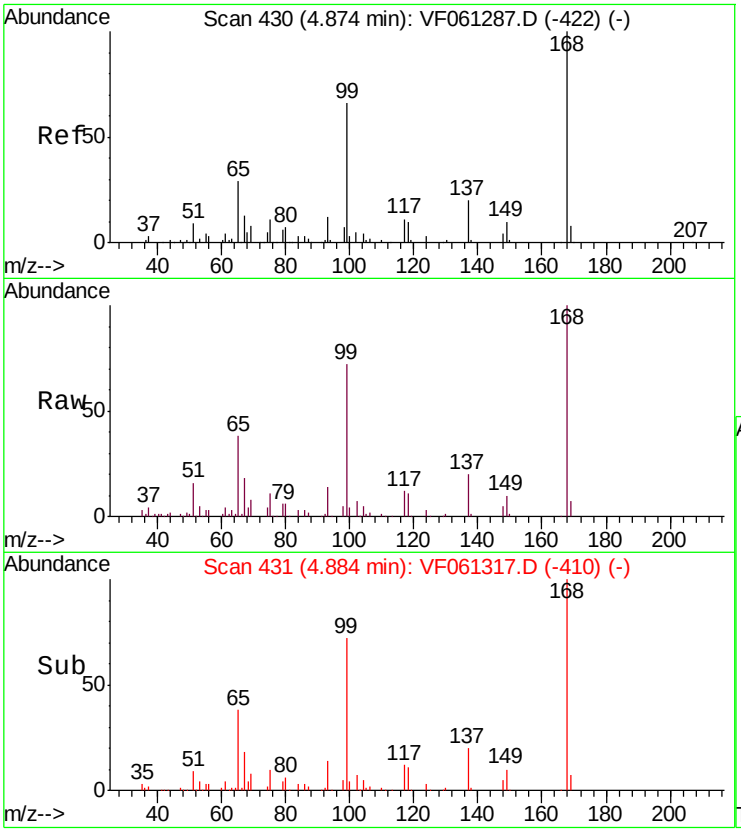
Quantitation Report (Not Reviewed)

Data File : VF061317.D
Acq On : 10 Jan 2019 00:48
Operator : VA/AP
Sample : VF0109SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Quant Time: Jan 10 01:11:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration



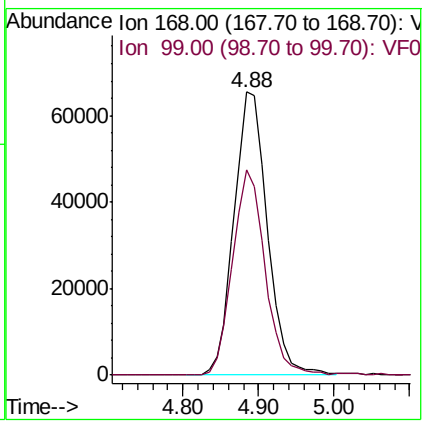


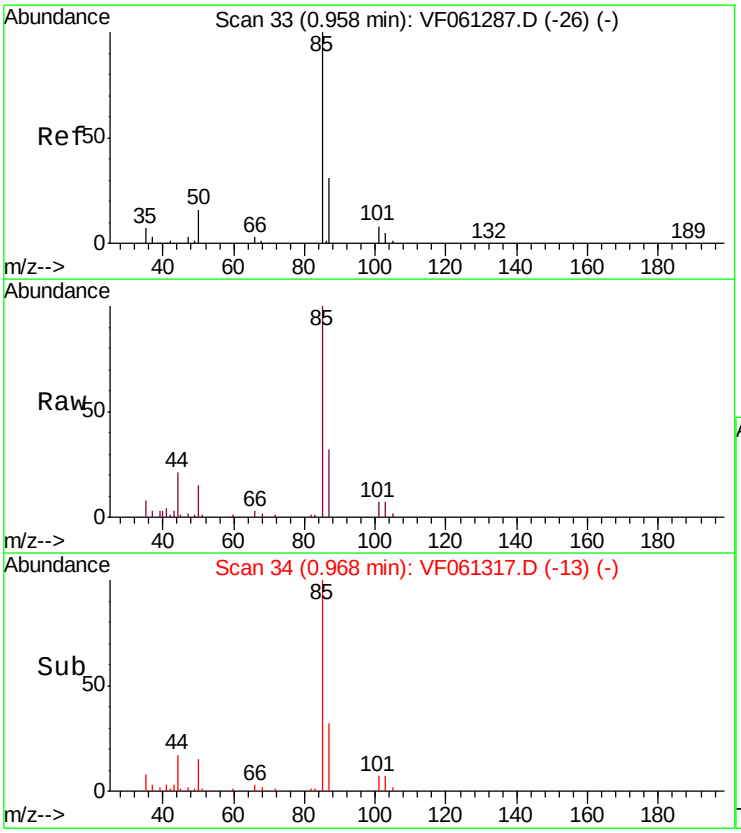

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:168 Resp: 200696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.4 | 52.7 | 79.1 |

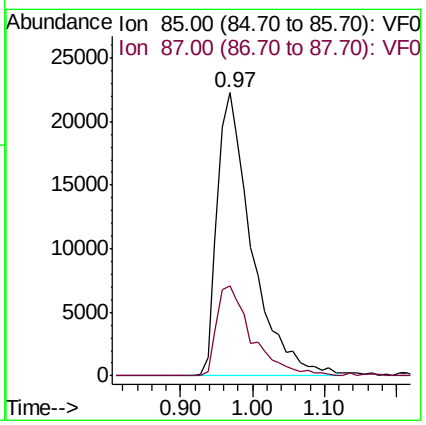


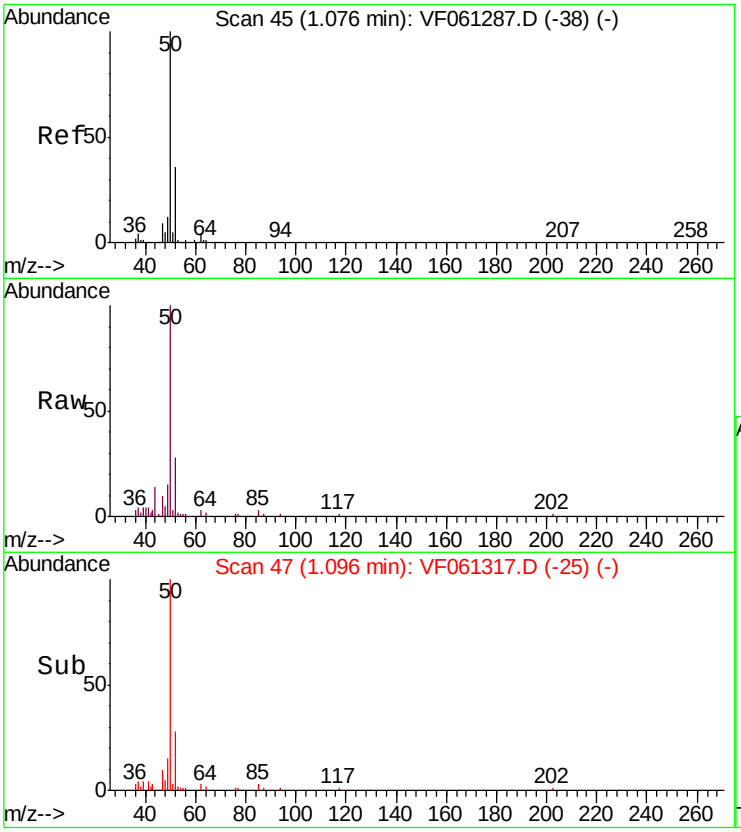




#2
Dichlorodifluoromethane
Concen: 20.028 ug/l
RT: 0.97 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 85 Resp: 74143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 15.4 | 46.2 |



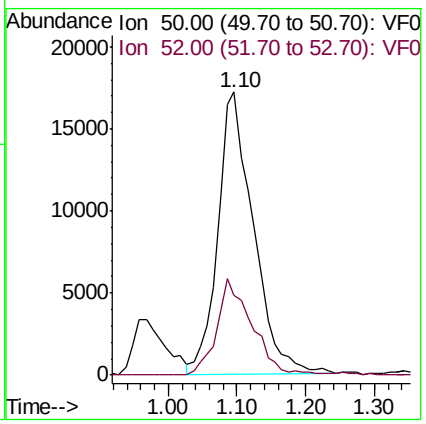


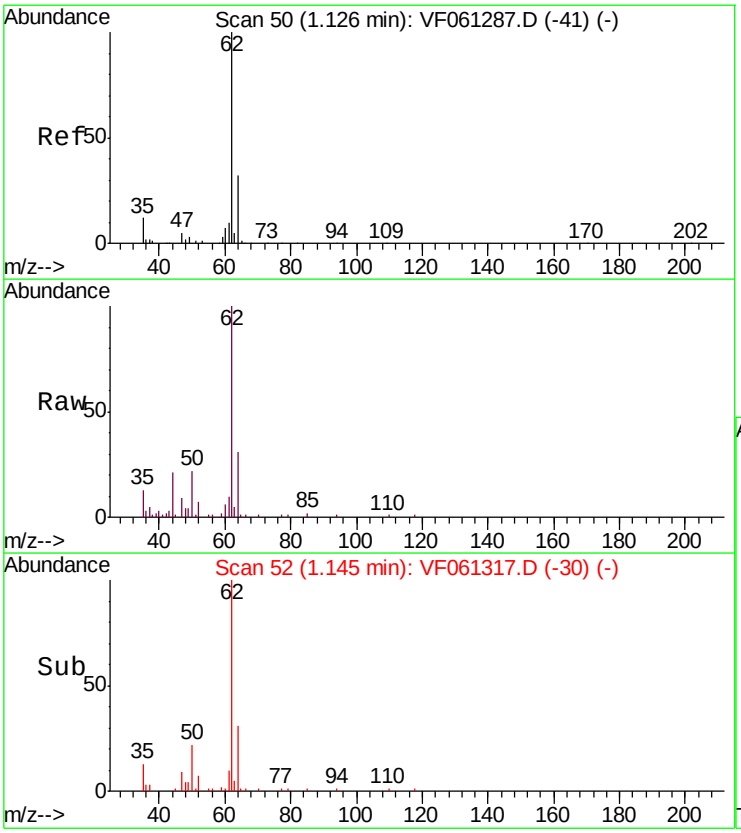

#3
Chloromethane
Concen: 18.536 ug/l
RT: 1.10 min Scan# 47
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 50 Resp: 61149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.4 | 28.2 | 42.2 |

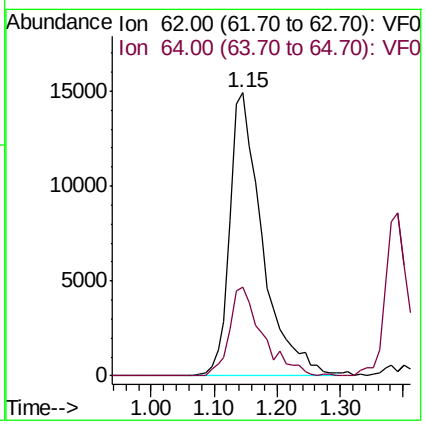


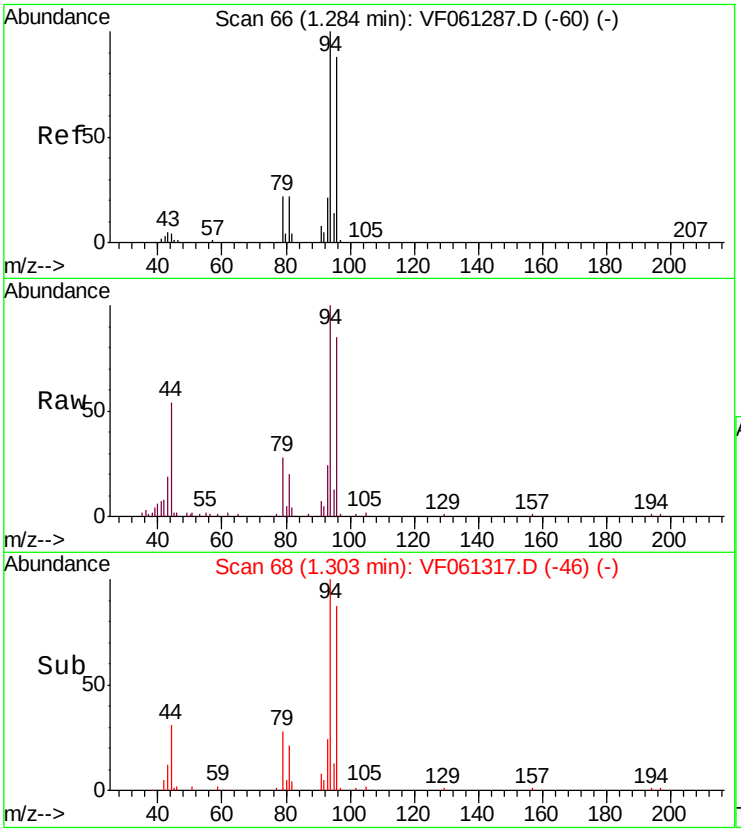




#4
Vinyl Chloride
Concen: 18.118 ug/l
RT: 1.15 min Scan# 52
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 62 Resp: 53384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.4 | 25.4 | 38.0 |



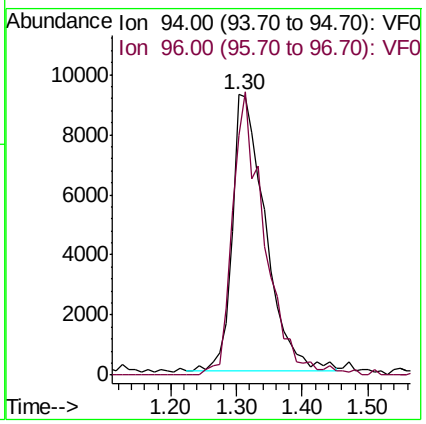


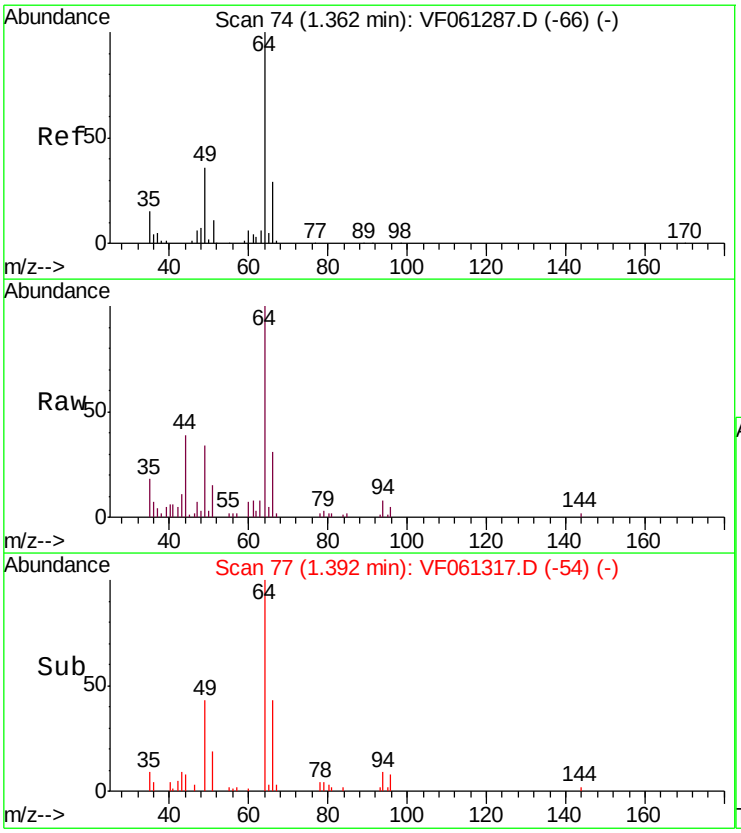

#5
Bromomethane
Concen: 15.229 ug/l
RT: 1.30 min Scan# 68
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 94 Resp: 32781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.5 | 70.2 | 105.4 |

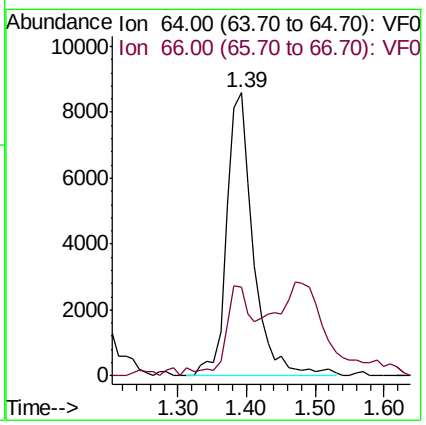


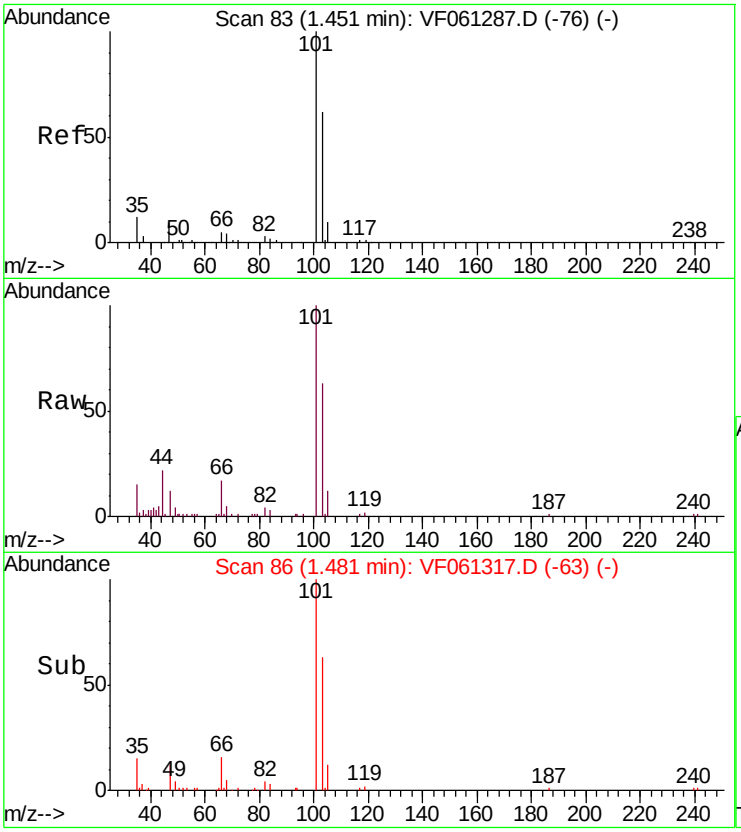




#6
Chloroethane
Concen: 15.947 ug/l
RT: 1.39 min Scan# 77
Delta R.T. 0.03 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 64 Resp: 22945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.4 | 23.4 | 35.0 |



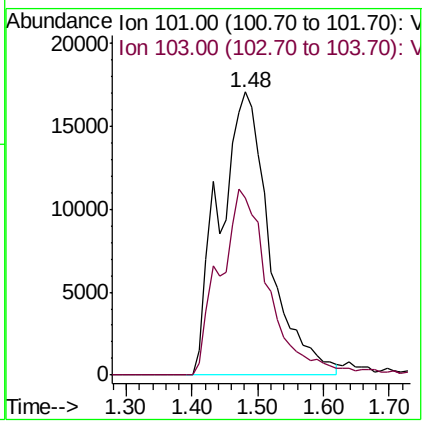


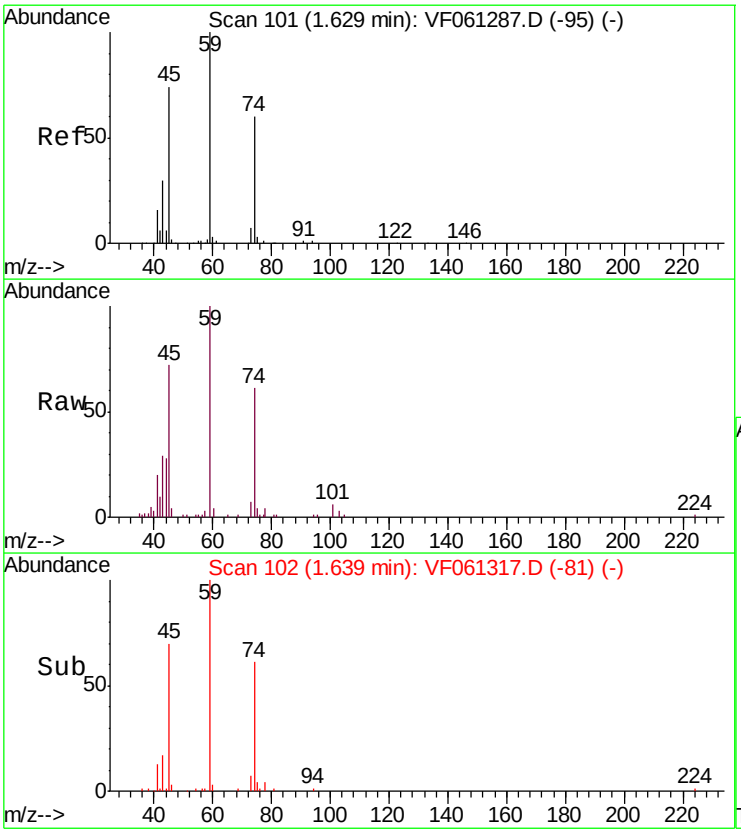

#7
Trichlorofluoromethane
Concen: 18.145 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.03 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:101 Resp: 90630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.5 | 49.9 | 74.9 |

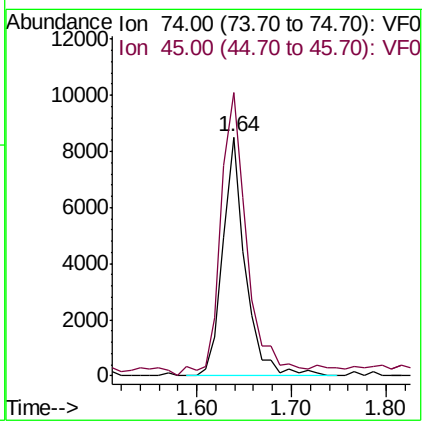


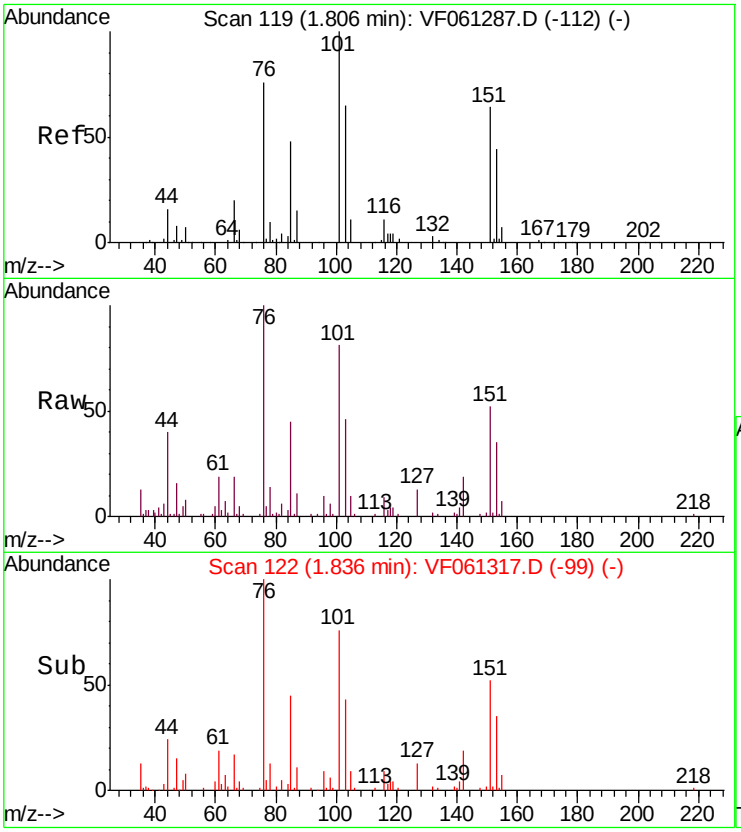




#8
Diethyl Ether
Concen: 19.070 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 74 Resp: 13987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.7 | 62.1 | 186.3 |



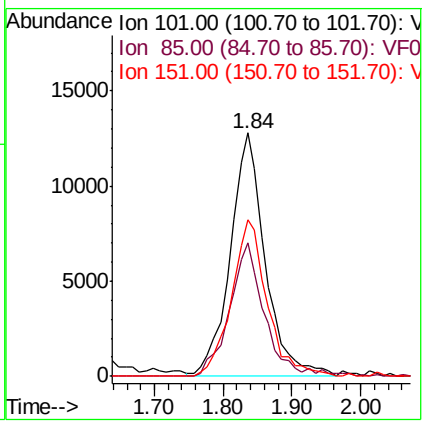


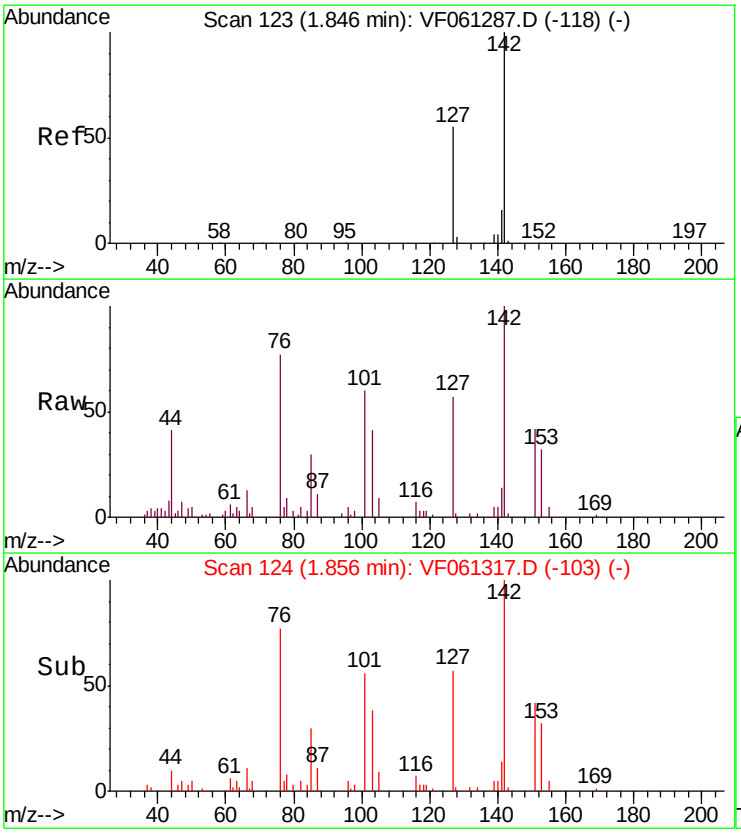

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.070 ug/l
RT: 1.84 min Scan# 122
Delta R.T. 0.03 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:101 Resp: 45020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 55.1 | 38.4 | 57.6 |
| 151 | 66.8 | 51.4 | 77.2 |

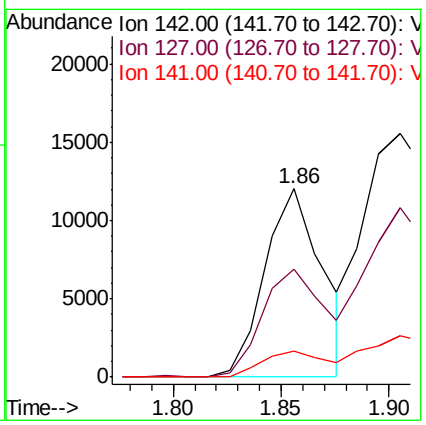


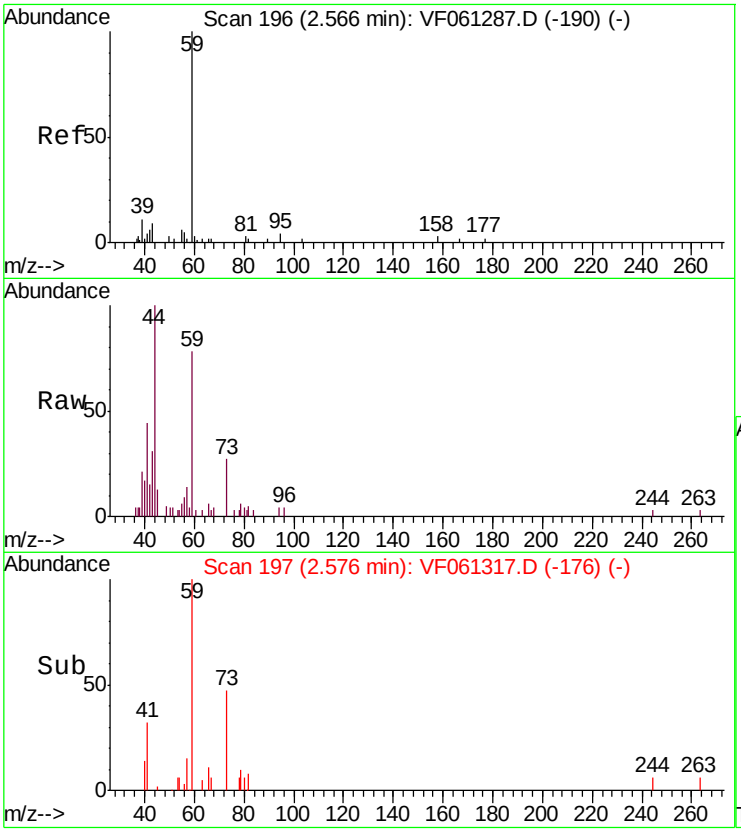




#10
Methyl Iodide
Concen: 5.409 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:142 Resp: 22348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 57.2 | 44.3 | 66.5 |
| 141 | 13.6 | 13.2 | 19.8 |



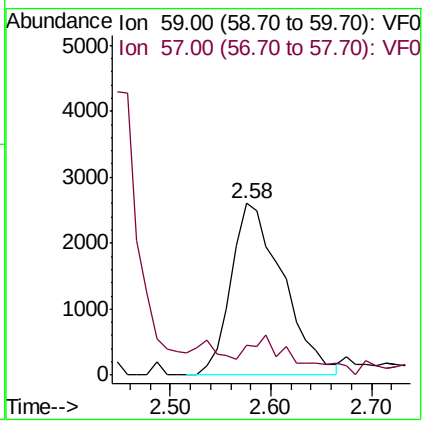


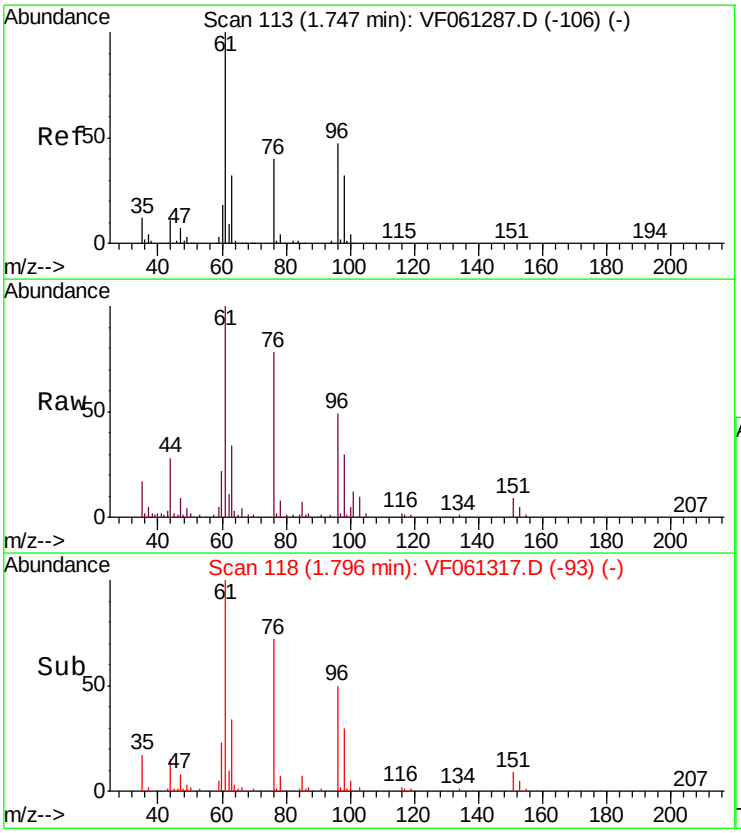

#11
Tert butyl alcohol
Concen: 104.081 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 59 Resp: 9309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 17.5 | 15.1 | 22.7 |

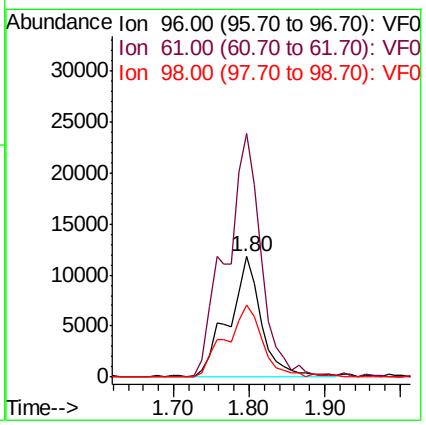


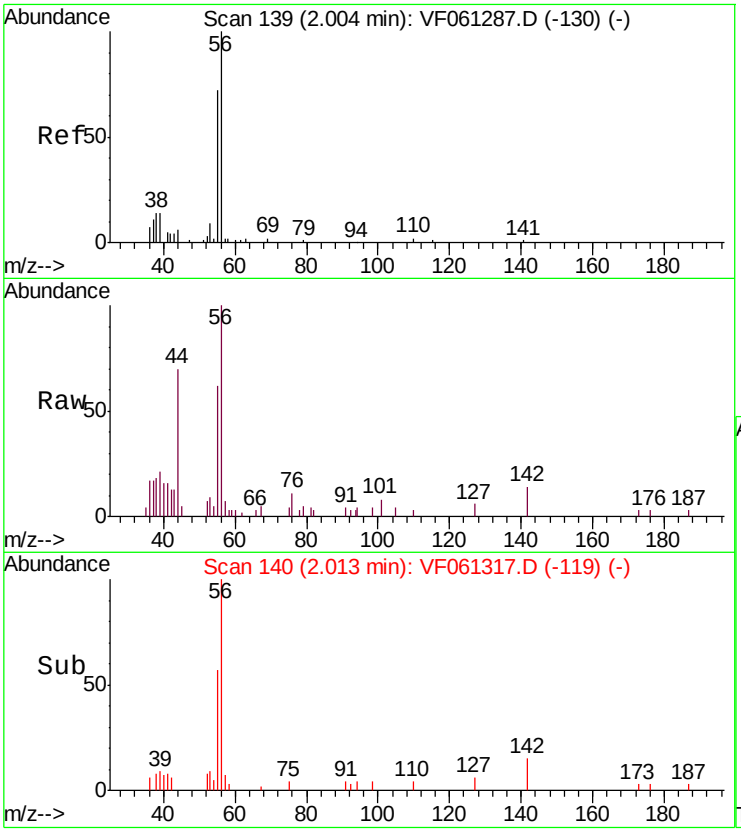




#12
1,1-Dichloroethene
Concen: 16.897 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.05 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 96 Resp: 35635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 202.1 | 171.8 | 257.8 |
| 98 | 59.8 | 54.2 | 81.4 |



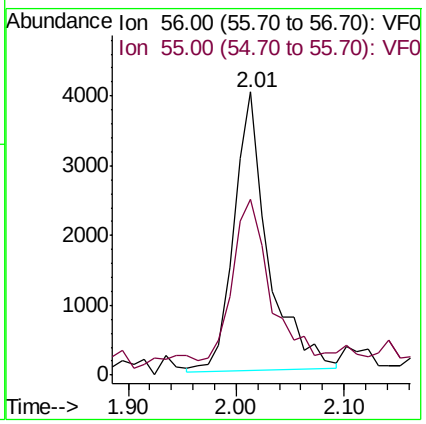


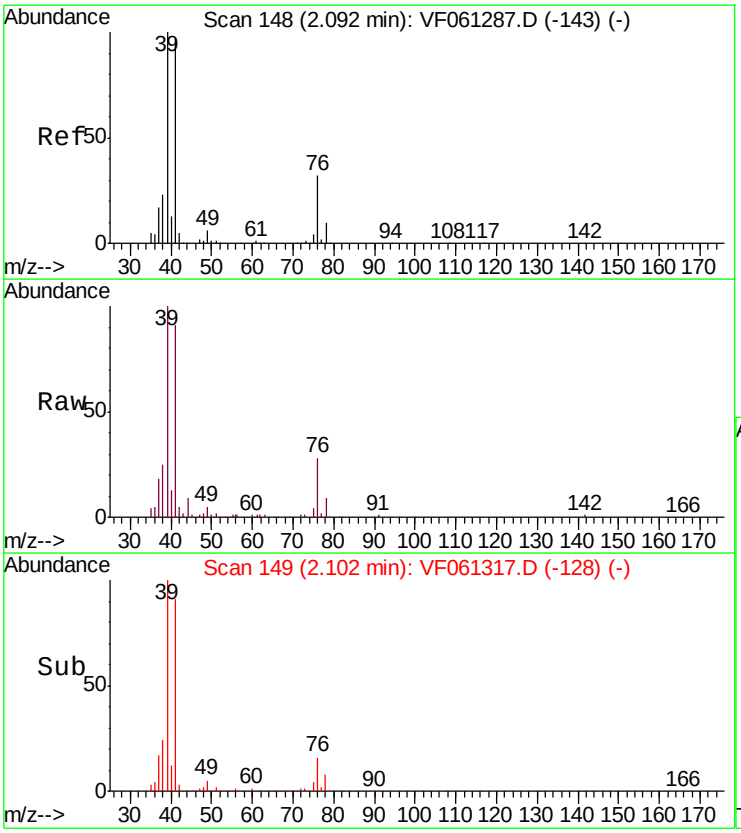

#13
Acrolein
Concen: 74.873 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 56 Resp: 8726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 62.0 | 59.4 | 89.0 |

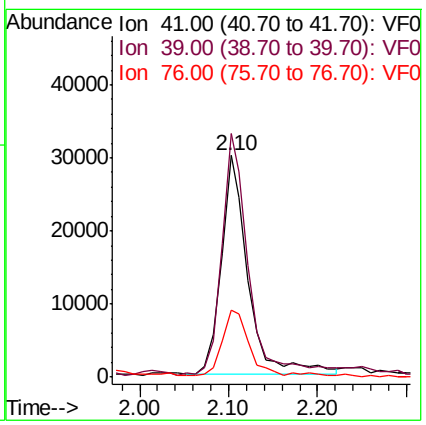


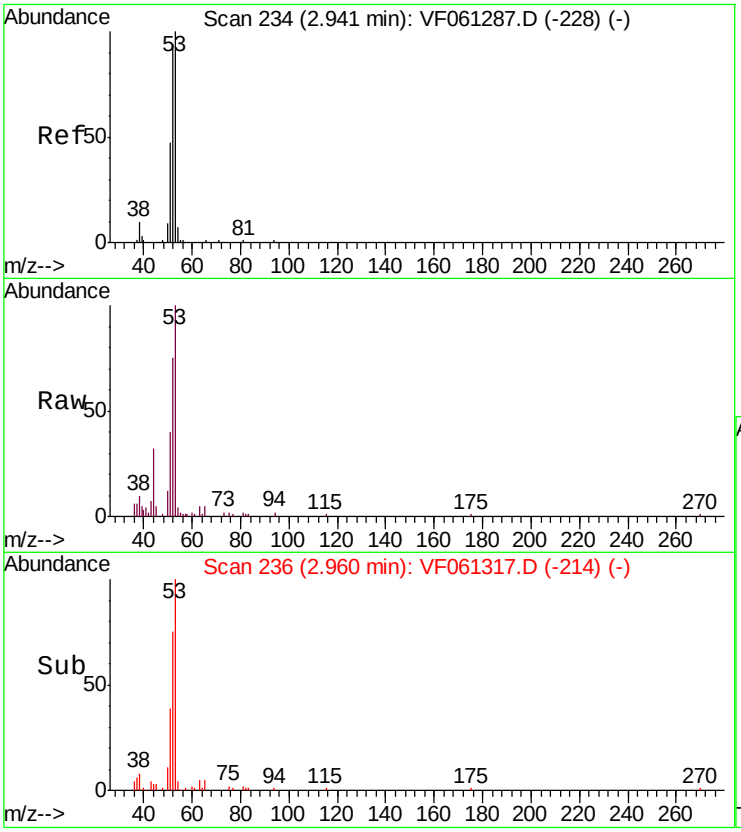




#14
Allyl chloride
Concen: 16.373 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 41 Resp: 63115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 109.9 | 82.6 | 123.8 |
| 76 | 30.3 | 26.9 | 40.3 |



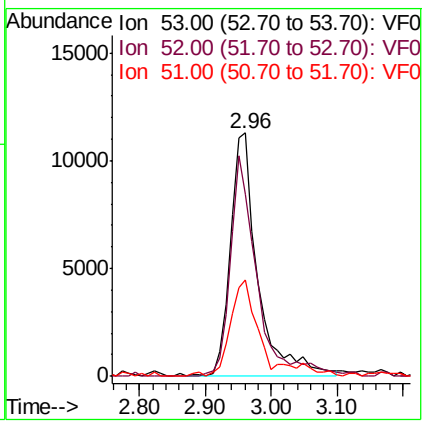


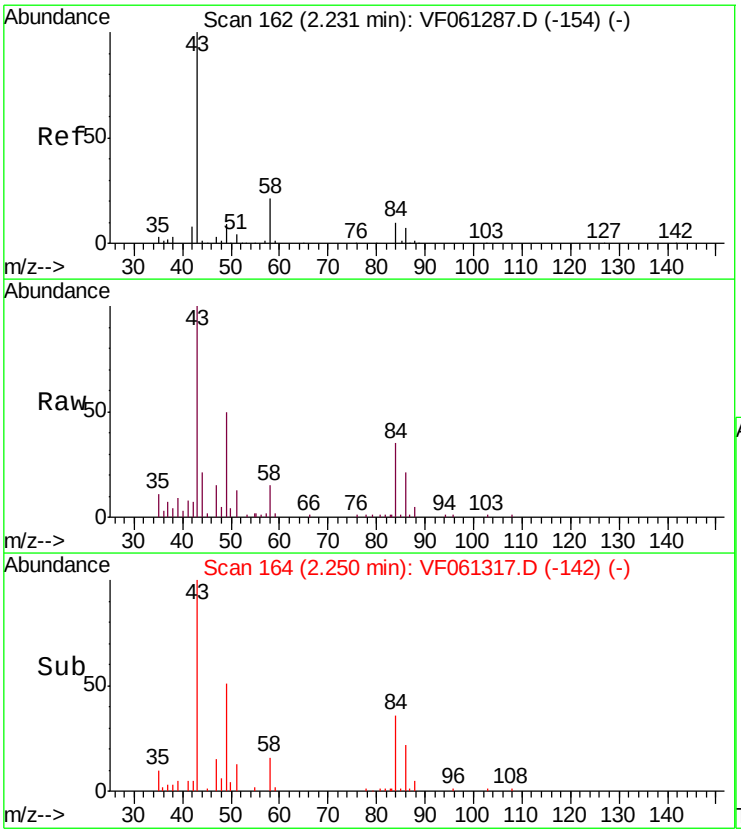

#15
Acrylonitrile
Concen: 105.008 ug/l
RT: 2.96 min Scan# 236
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 53 Resp: 33294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 74.9 | 74.6 | 111.8 |
| 51 | 39.5 | 37.8 | 56.6 |

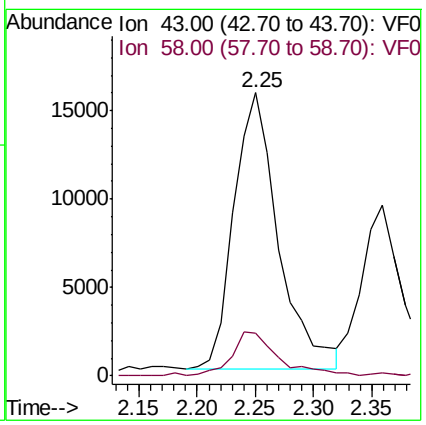


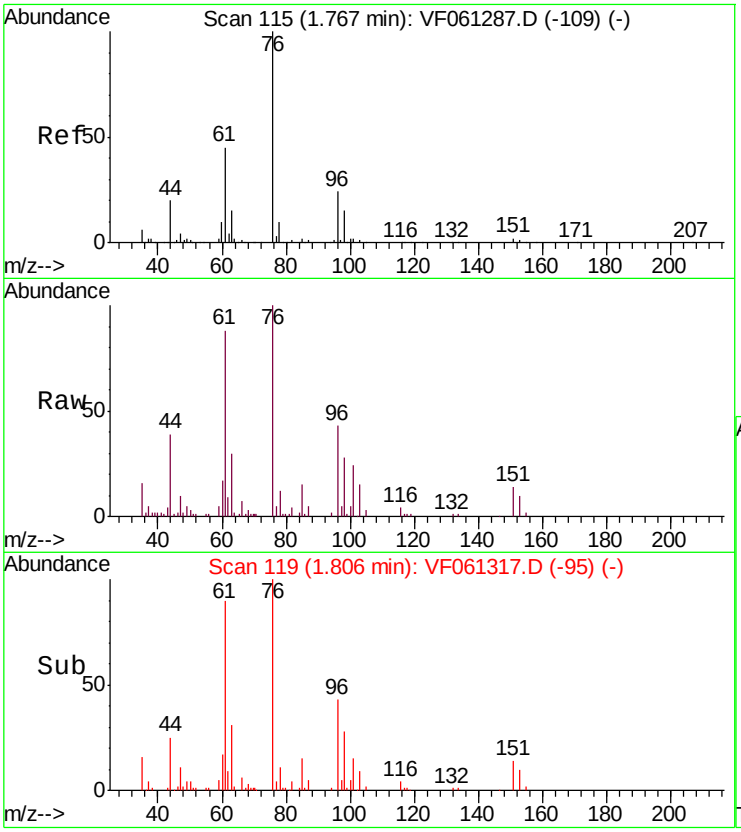




#16
Acetone
Concen: 79.540 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 43 Resp: 41333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.3 | 16.6 | 25.0# |



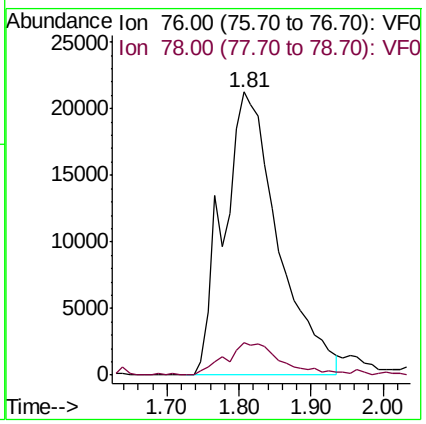


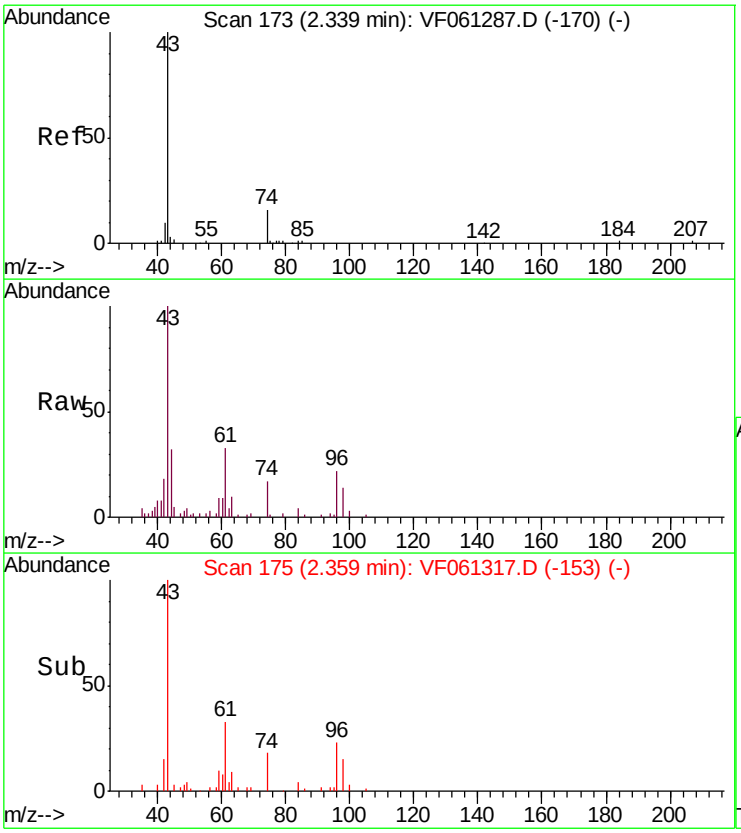

#17
Carbon Disulfide
Concen: 16.084 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.04 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 76 Resp: 112041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.5 | 7.8 | 11.6 |

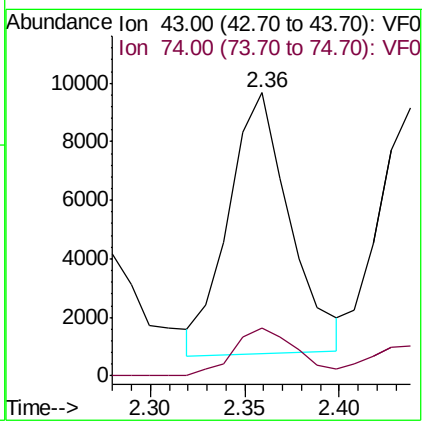


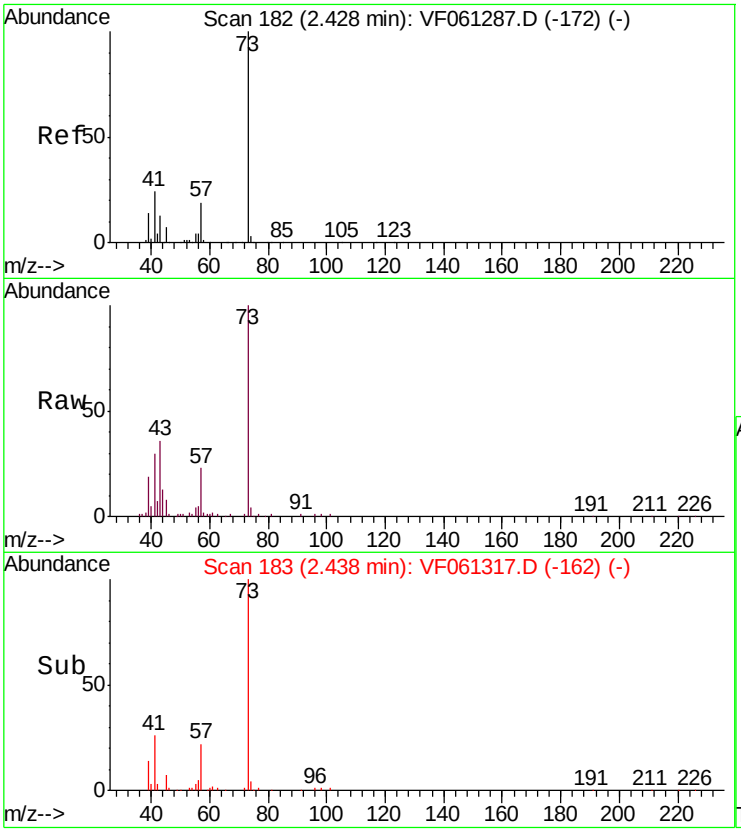




#18
Methyl Acetate
Concen: 19.633 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 43 Resp: 20073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.0 | 11.6 | 17.4 |



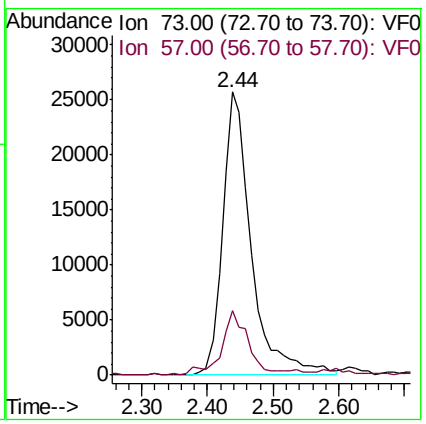


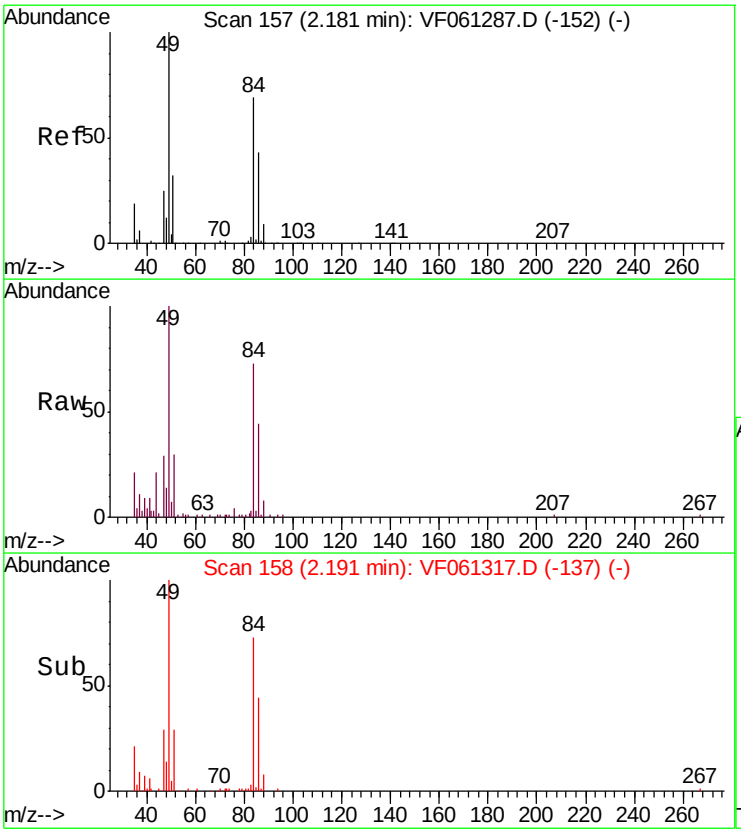

#19
Methyl tert-butyl Ether
Concen: 19.484 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 73 Resp: 78306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 15.5 | 23.3 |

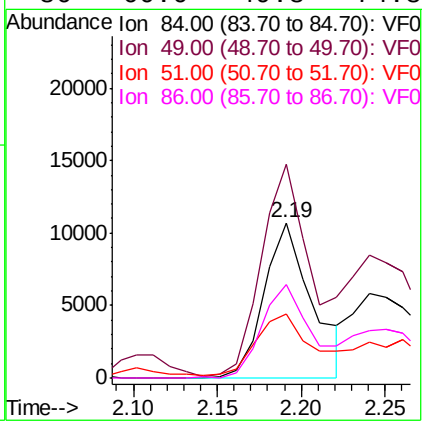


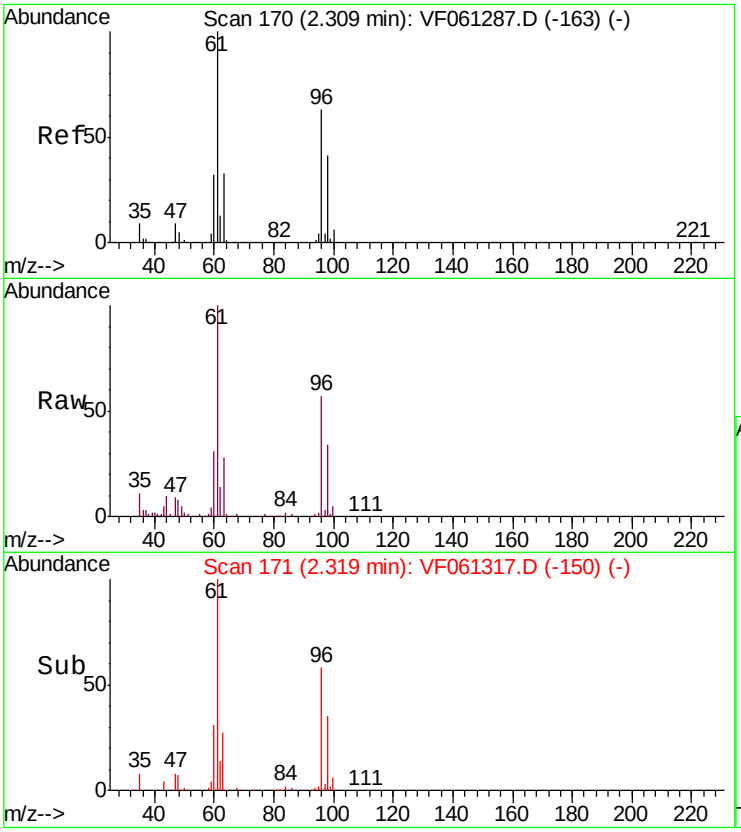




#20
Methylene Chloride
Concen: 9.625 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 84 Resp: 21159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.5 | 116.6 | 175.0 |
| 51 | 41.2 | 37.7 | 56.5 |
| 86 | 60.0 | 49.8 | 74.8 |



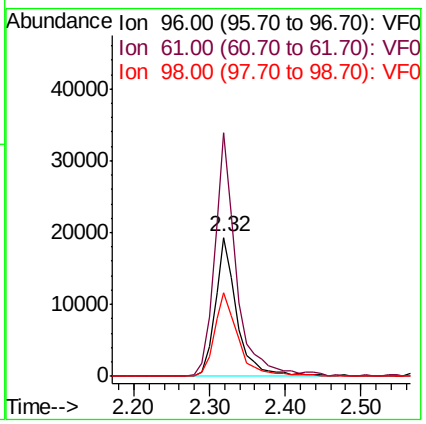


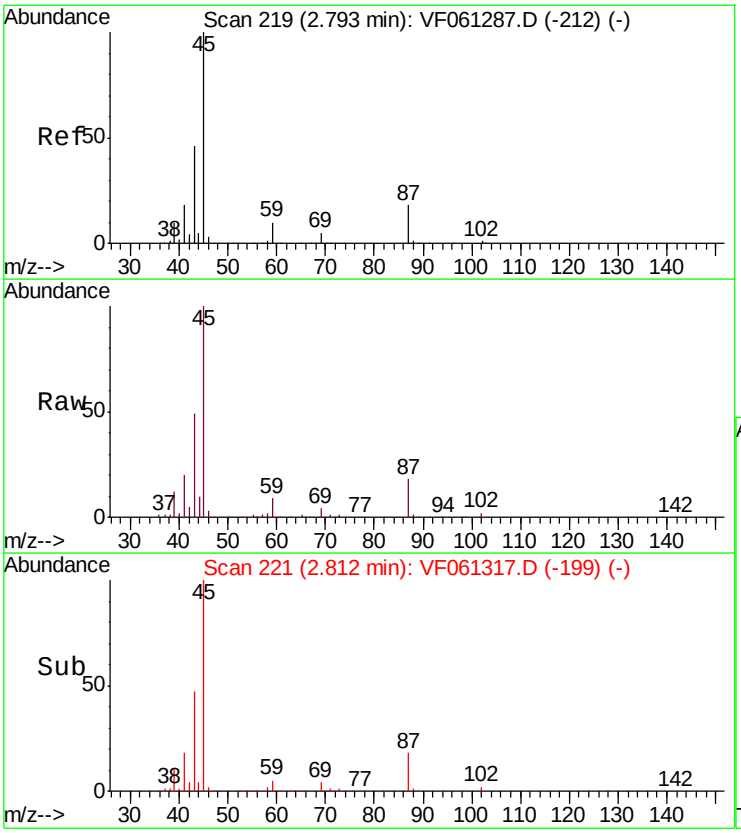

#21
trans-1,2-Dichloroethene
Concen: 17.263 ug/l
RT: 2.32 min Scan# 171
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 96 Resp: 38580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.2 | 127.0 | 190.4 |
| 98 | 59.8 | 51.7 | 77.5 |

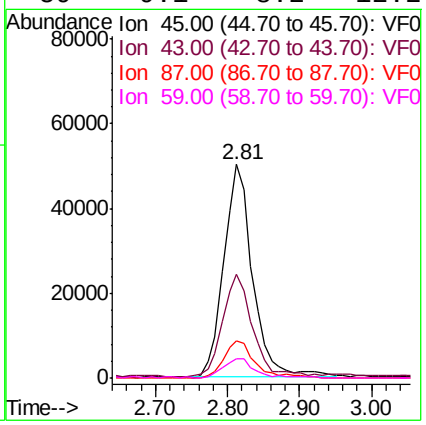


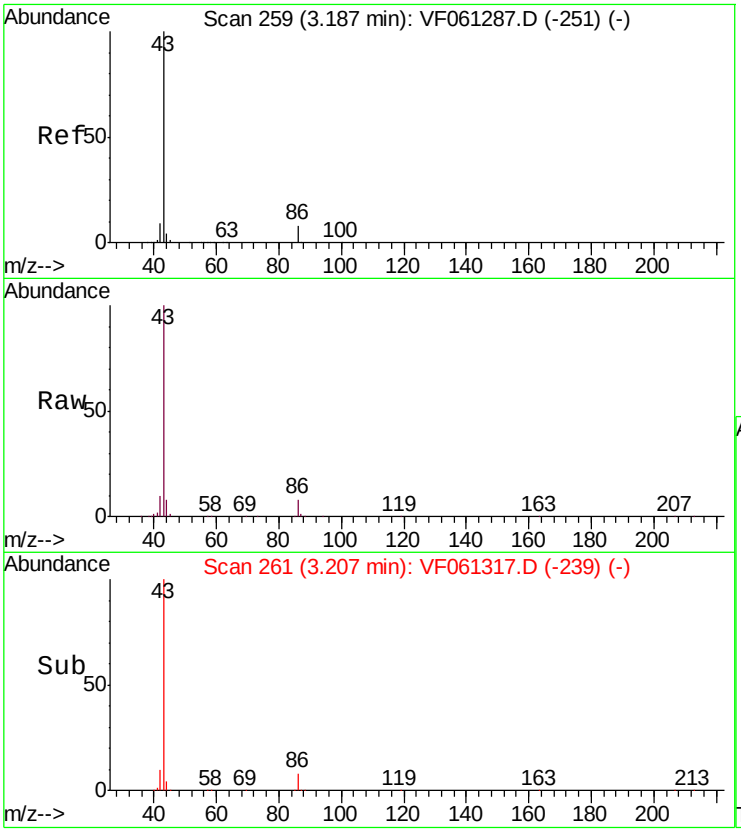




#22
Diisopropyl ether
Concen: 18.714 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 45 Resp: 139569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 48.8 | 37.4 | 56.2 |
| 87 | 17.6 | 14.2 | 21.2 |
| 59 | 9.1 | 8.2 | 12.2 |



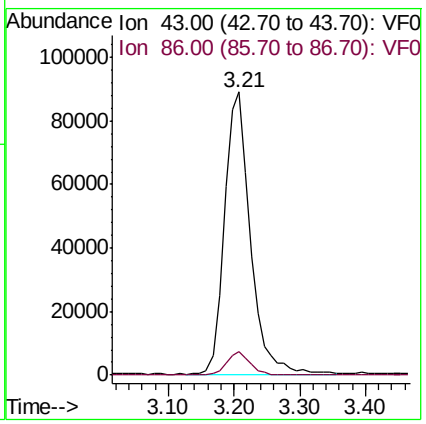


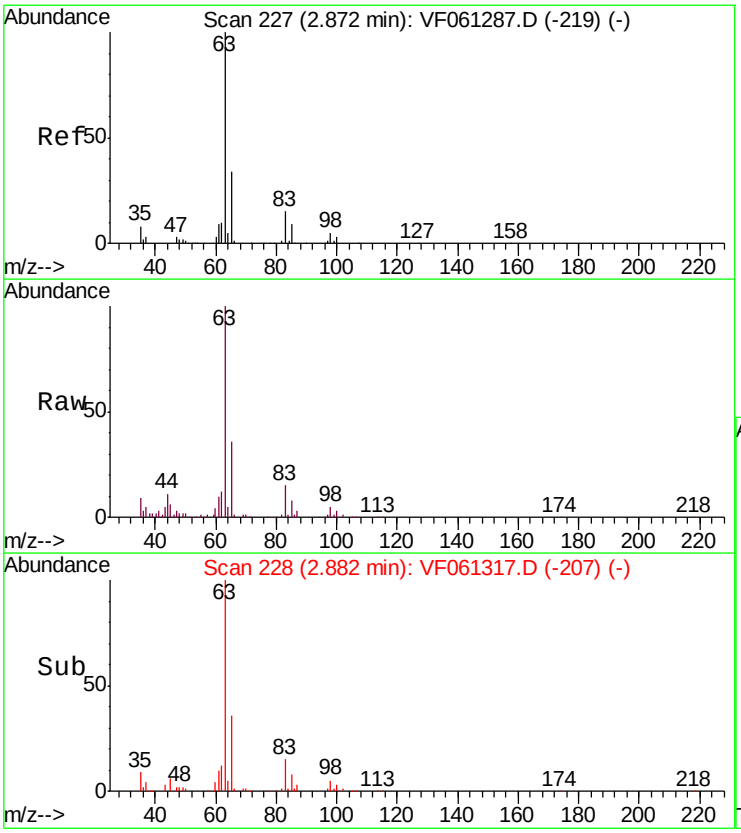

#23
Vinyl Acetate
Concen: 112.023 ug/l
RT: 3.21 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 244328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 8.1 | 6.5 | 9.7 |

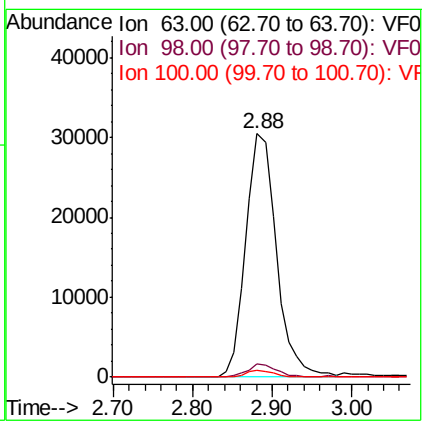


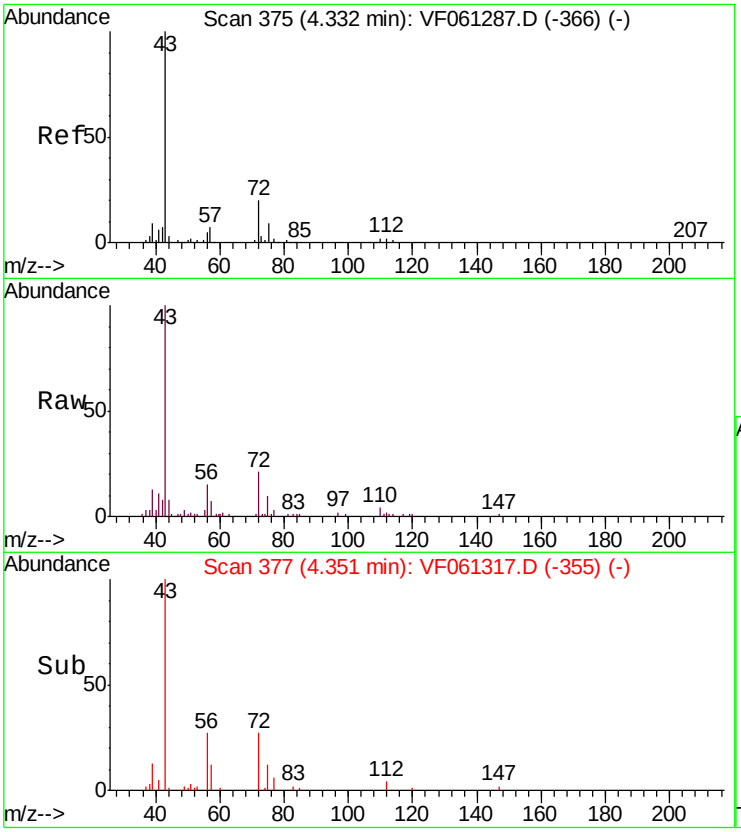




#24
1,1-Dichloroethane
Concen: 18.821 ug/l
RT: 2.88 min Scan# 228
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 63 Resp: 81194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.2 | 2.5 | 7.6 |
| 100 | 2.6 | 1.7 | 5.0 |



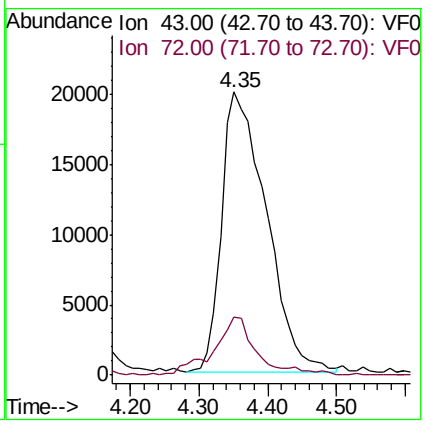


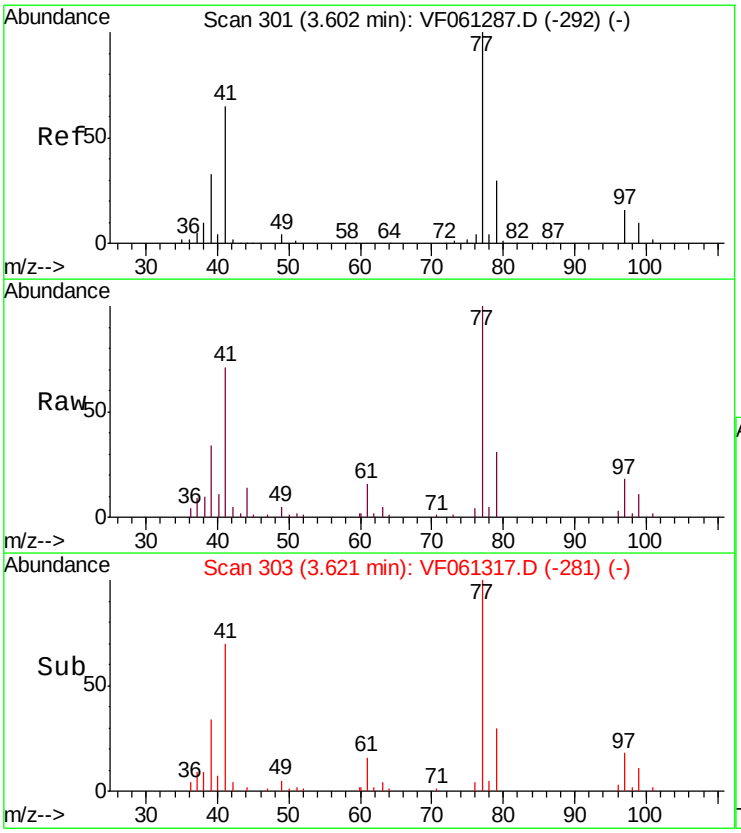

#25
2-Butanone
Concen: 106.987 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 89481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.7 | 16.5 | 24.7 |

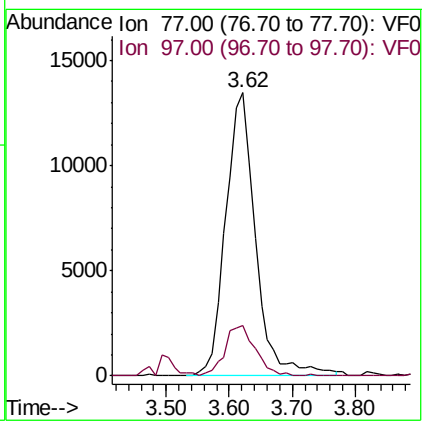


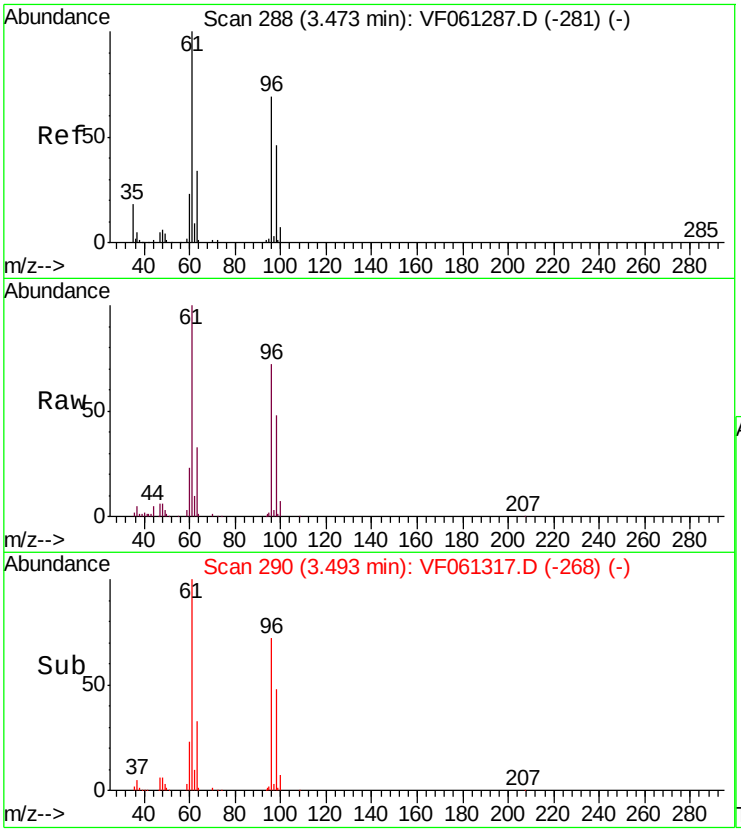




#26
2,2-Dichloropropane
Concen: 15.329 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 77 Resp: 44191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 17.8 | 8.6 | 25.9 |



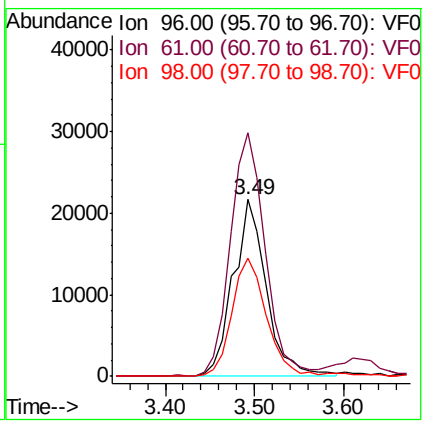


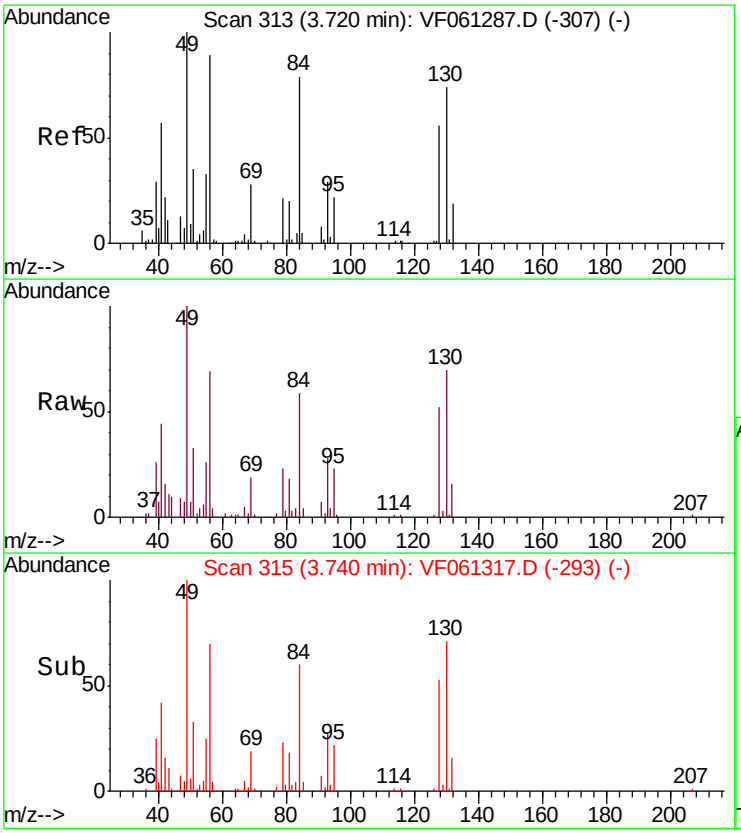

#27
cis-1,2-Dichloroethene
Concen: 18.030 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 96 Resp: 56258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.9 | 0.0 | 288.2 |
| 98 | 66.7 | 0.0 | 132.2 |

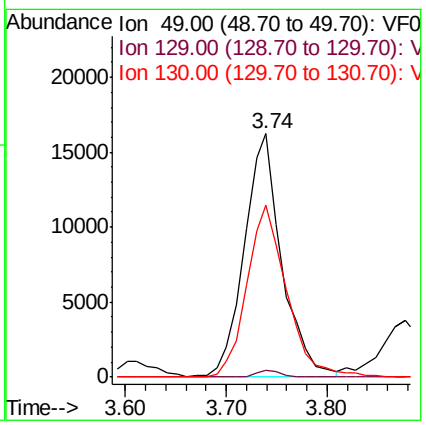


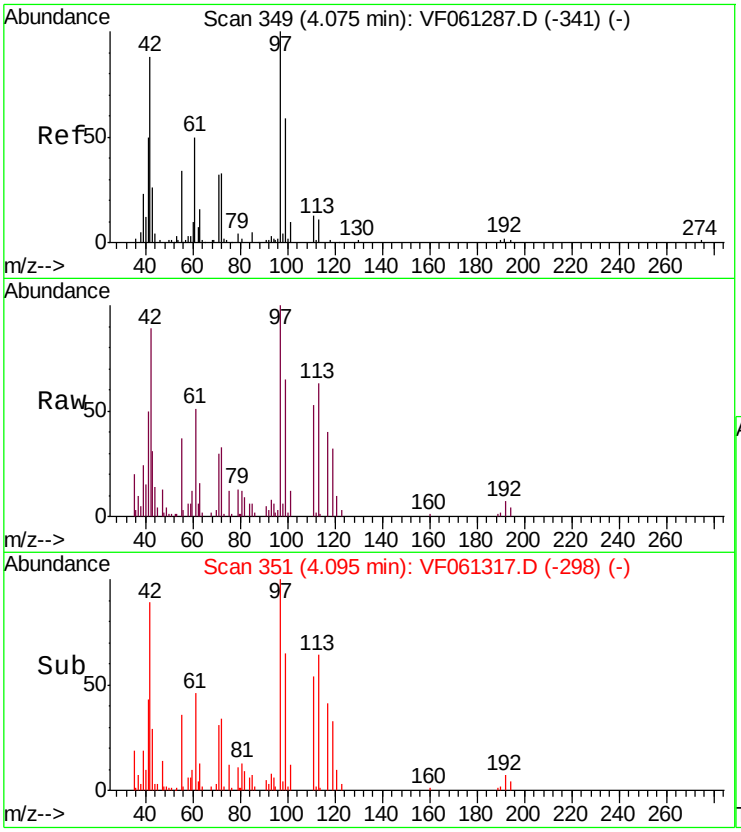




#28
Bromochloromethane
Concen: 22.166 ug/l
RT: 3.74 min Scan# 315
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 49 Resp: 42163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.9 | 0.0 | 0.0# |
| 130 | 70.4 | 58.6 | 88.0 |



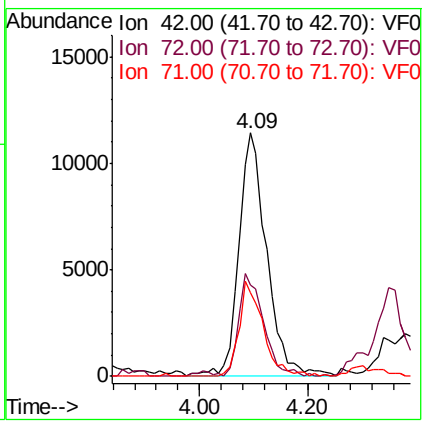


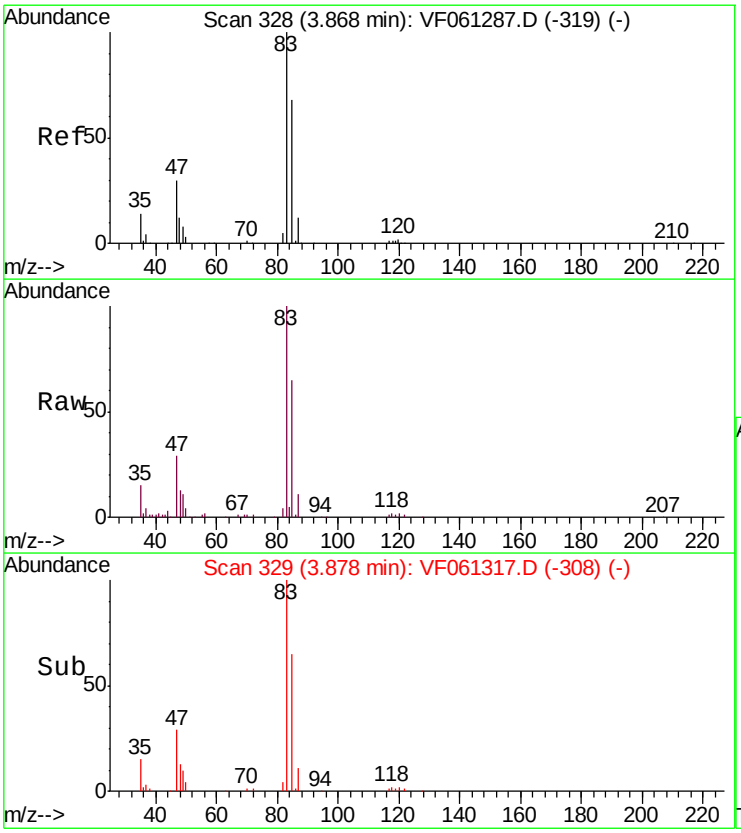

#29
Tetrahydrofuran
Concen: 117.308 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 42 Resp: 41022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 37.5 | 32.3 | 48.5 |
| 71 | 33.5 | 29.5 | 44.3 |

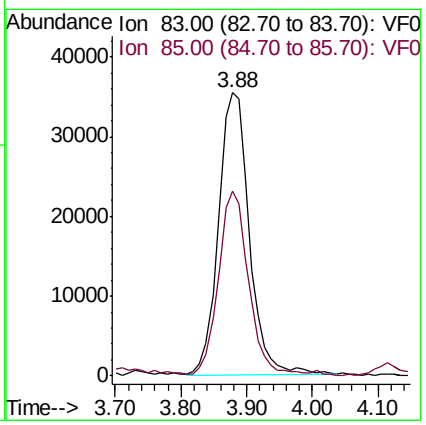


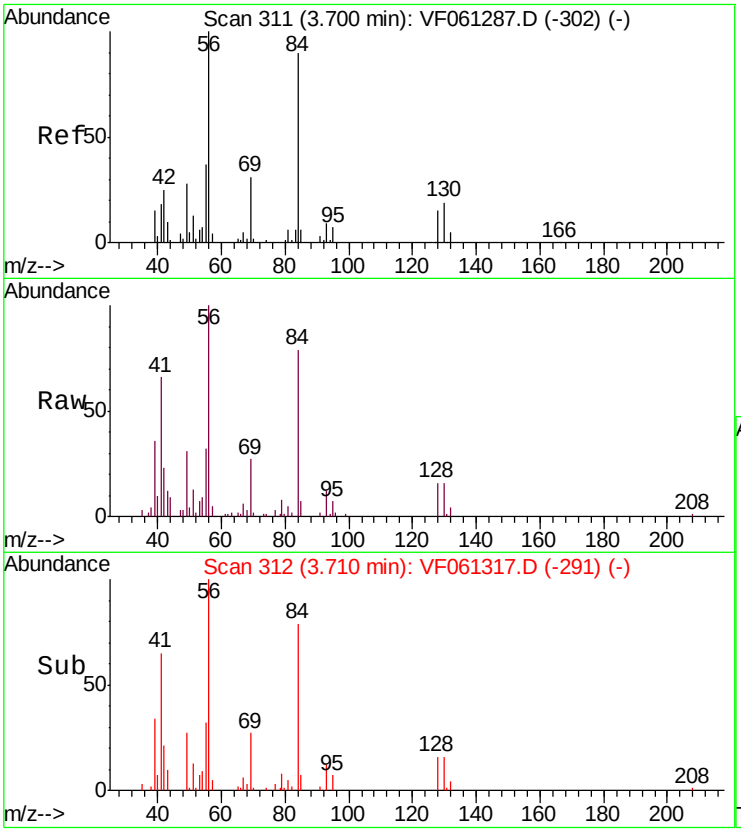




#30
Chloroform
Concen: 21.141 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 83 Resp: 115778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 54.4 | 81.6 |



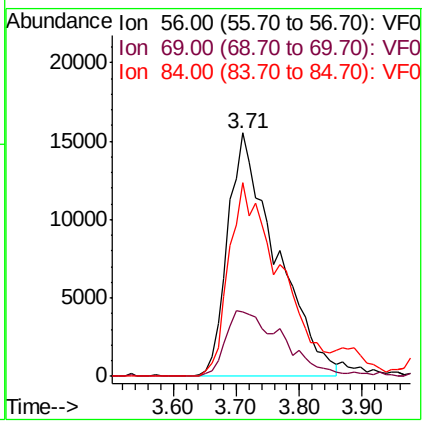


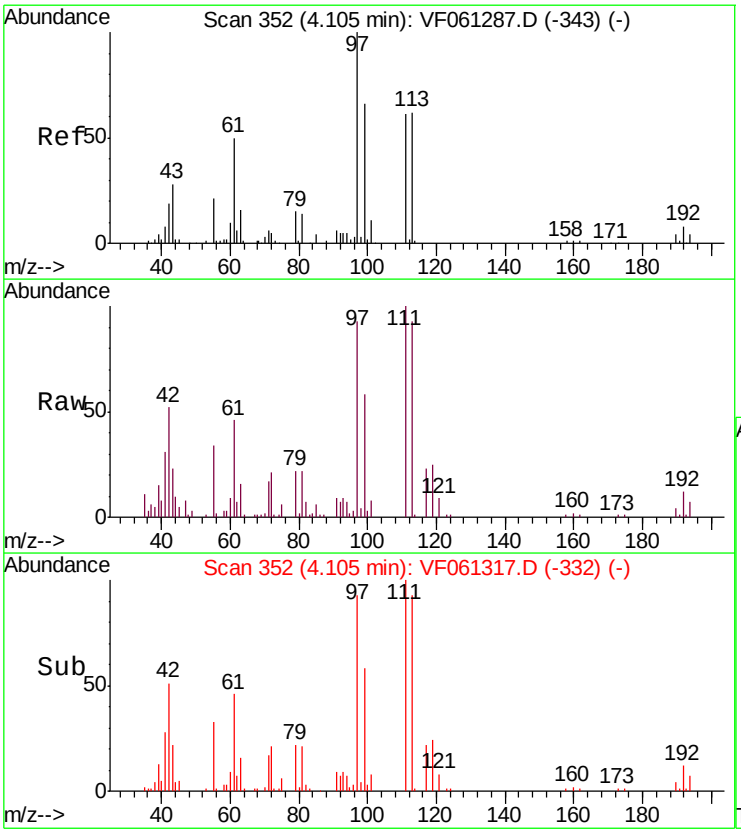

#31
Cyclohexane
Concen: 18.315 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 56 Resp: 82893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.5 | 24.7 | 37.1 |
| 84 | 79.3 | 72.2 | 108.4 |

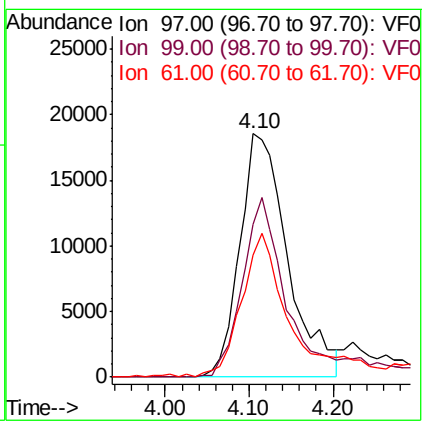


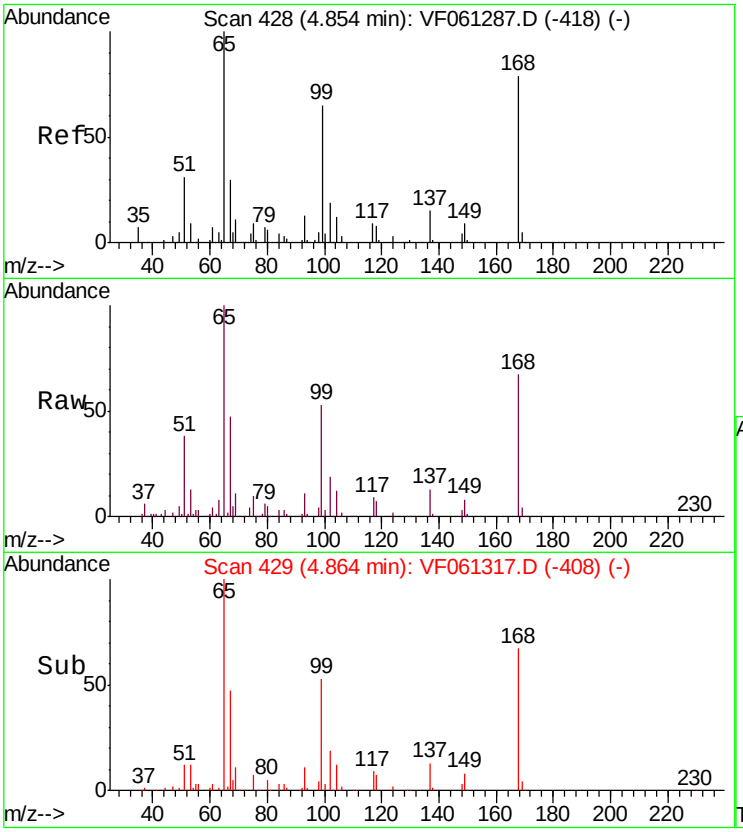




#32
1,1,1-Trichloroethane
Concen: 16.733 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 97 Resp: 74019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.7 | 52.7 | 79.1 |
| 61 | 50.0 | 40.8 | 61.2 |



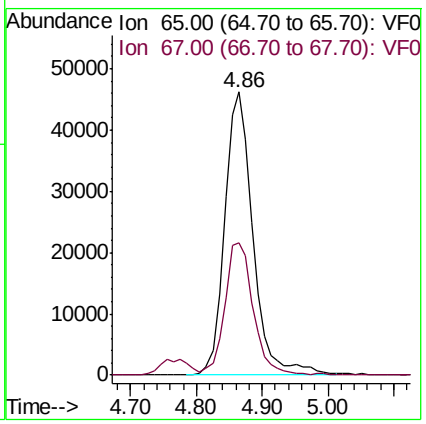


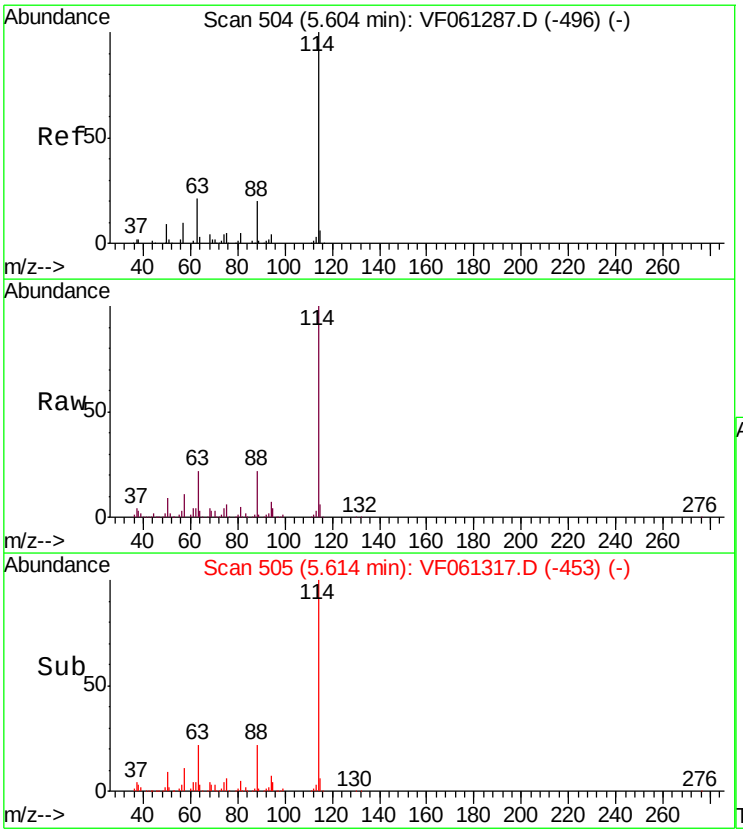

#33
1,2-Dichloroethane-d4
Concen: 62.137 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 65 Resp: 138805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 46.8 | 0.0 | 98.2 |

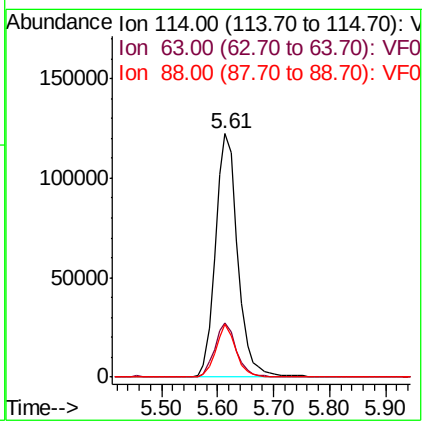


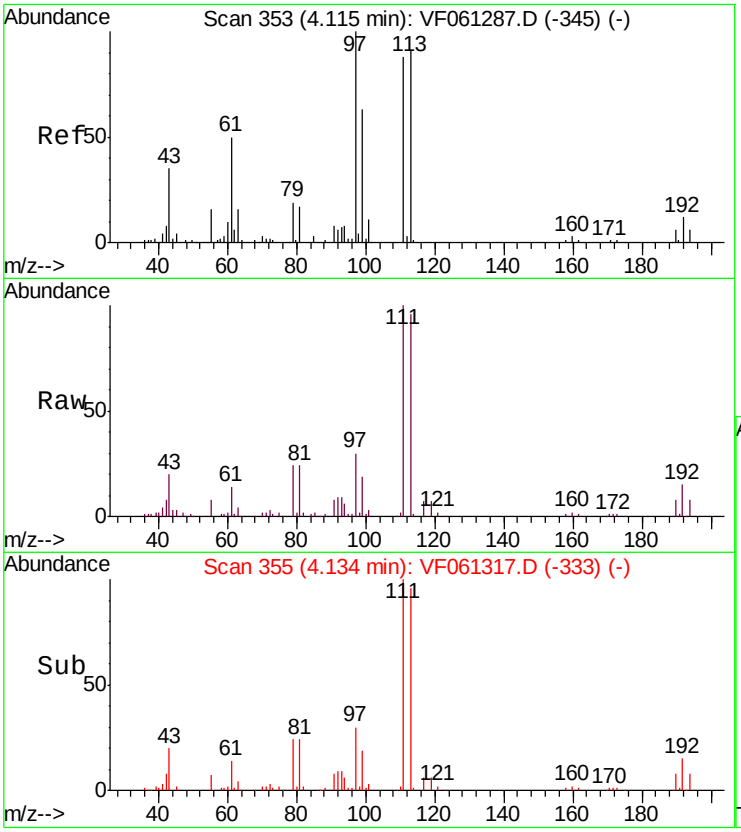




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:114 Resp: 339473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 42.8 |
| 88 | 21.9 | 0.0 | 40.0 |



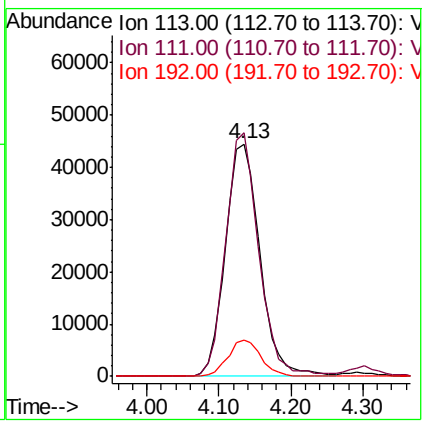


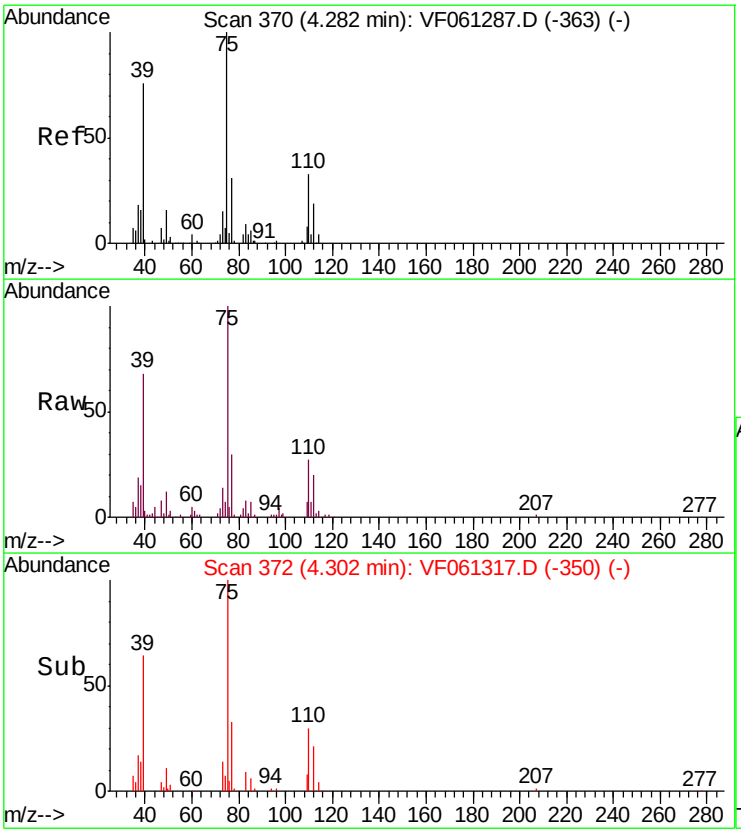

#35
Dibromofluoromethane
Concen: 57.334 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:113 Resp: 148927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.7 | 78.0 | 117.0 |
| 192 | 16.1 | 10.6 | 16.0# |

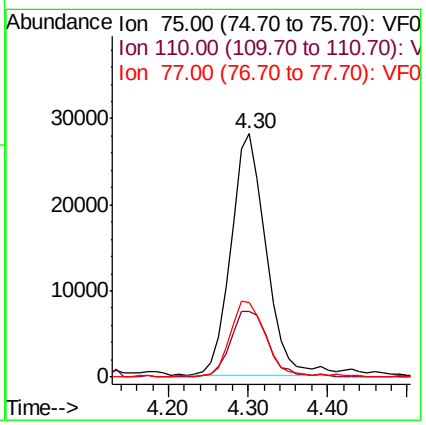


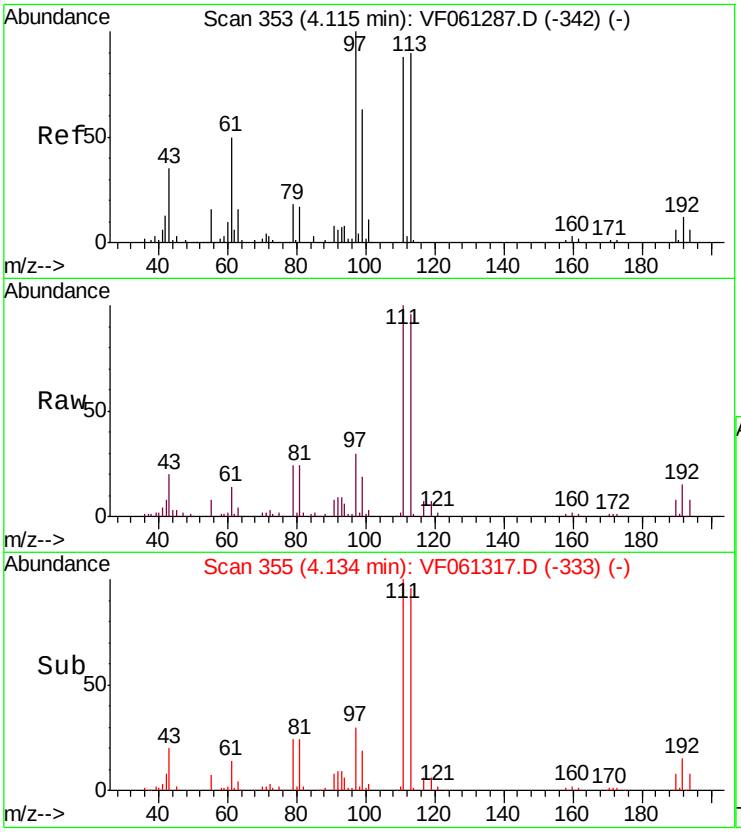




#36
1,1-Dichloropropene
Concen: 21.594 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 75 Resp: 85602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 27.2 | 16.6 | 49.8 |
| 77 | 30.5 | 25.1 | 37.7 |



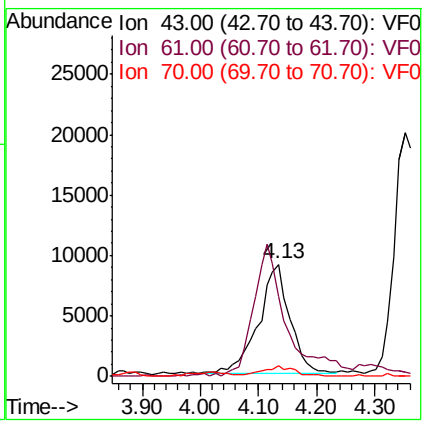


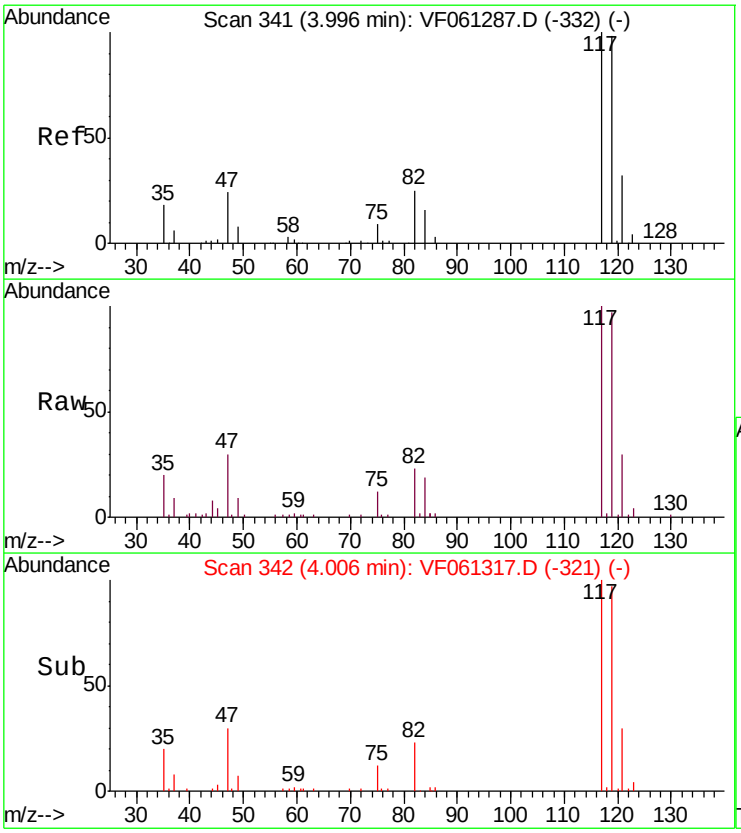

#37
Ethyl Acetate
Concen: 23.953 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 34579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 71.8 | 113.3 | 169.9# |
| 70 | 9.6 | 9.4 | 14.0 |

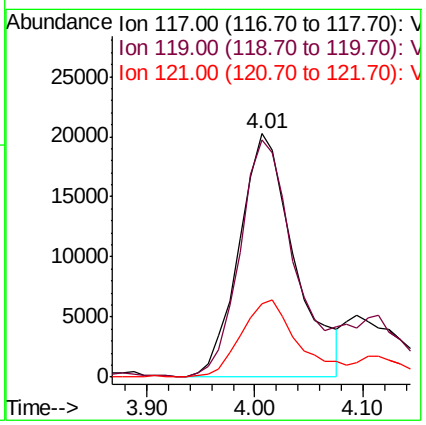


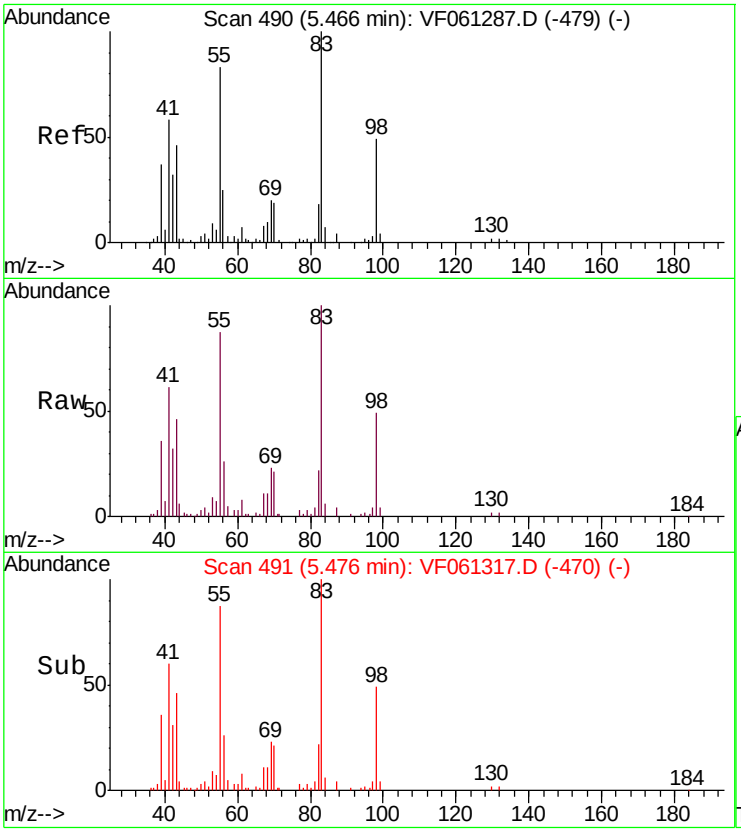




#38
Carbon Tetrachloride
Concen: 19.363 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:117 Resp: 72698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.3 | 78.5 | 117.7 |
| 121 | 30.3 | 25.3 | 37.9 |



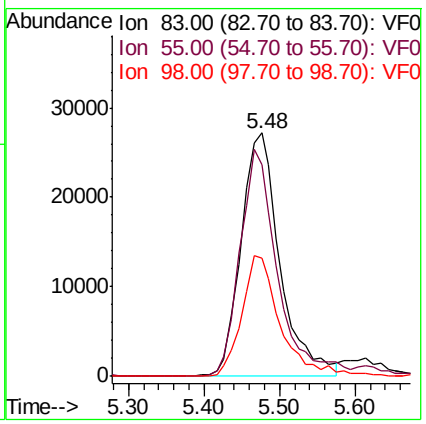


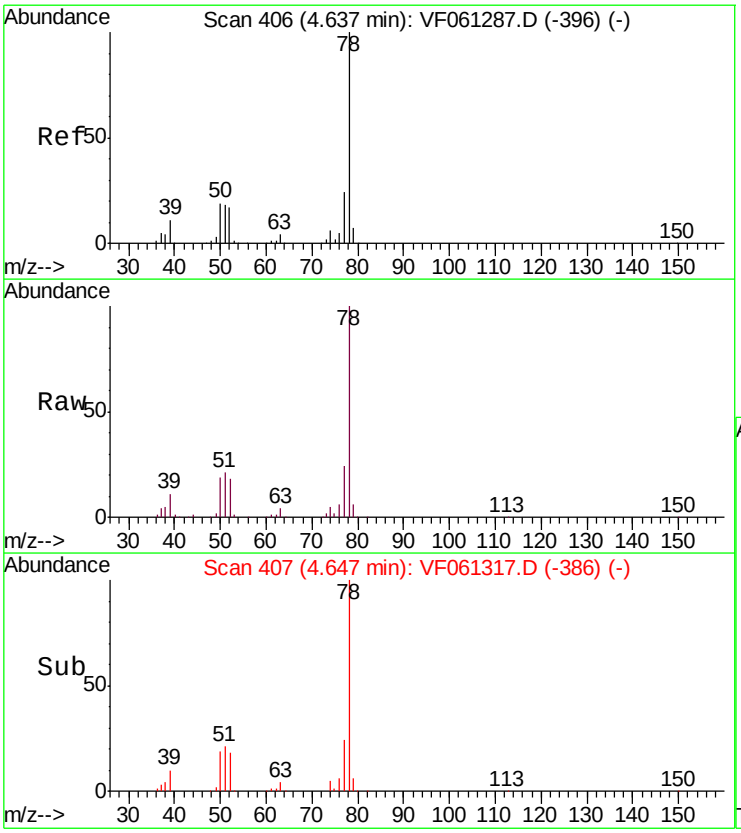

#39
Methylcyclohexane
Concen: 19.643 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 83 Resp: 97434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.9 | 66.4 | 99.6 |
| 98 | 48.7 | 39.1 | 58.7 |

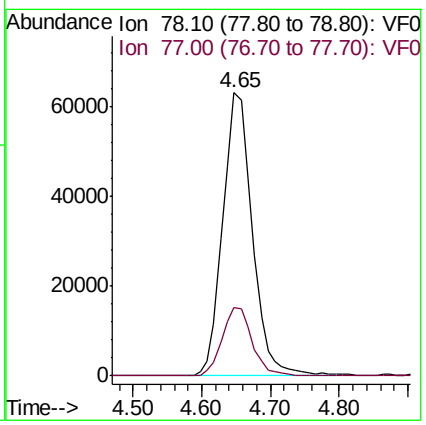


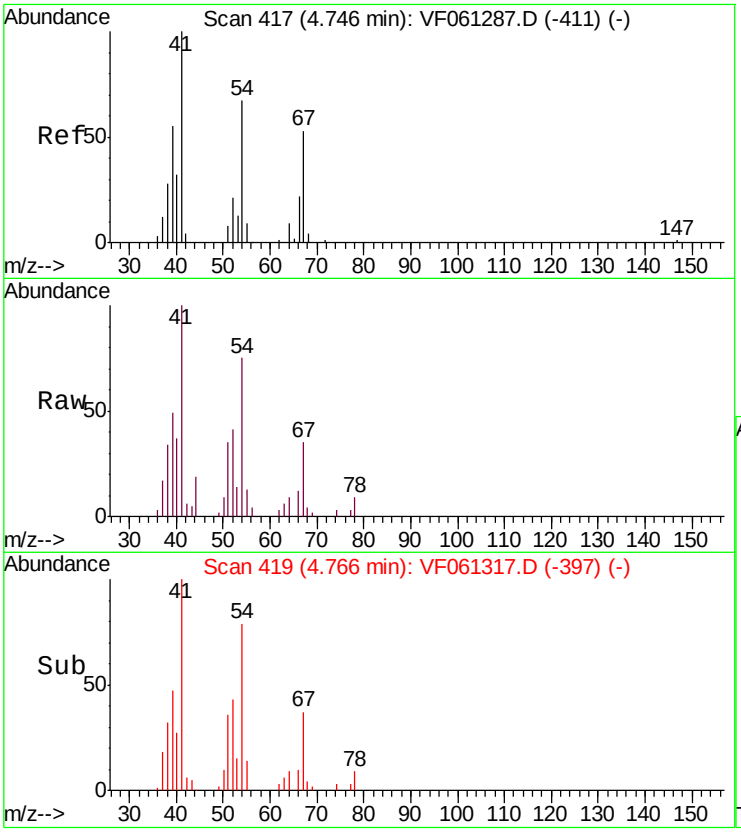




#40
Benzene
Concen: 20.428 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 78 Resp: 189068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.1 | 28.7 |



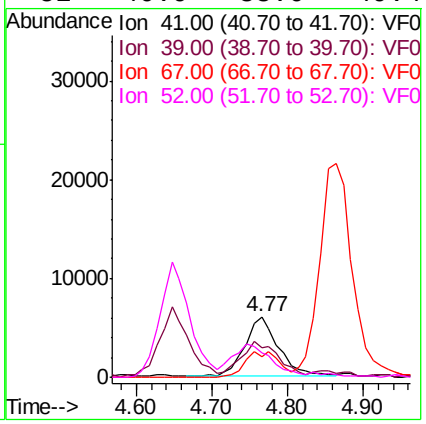


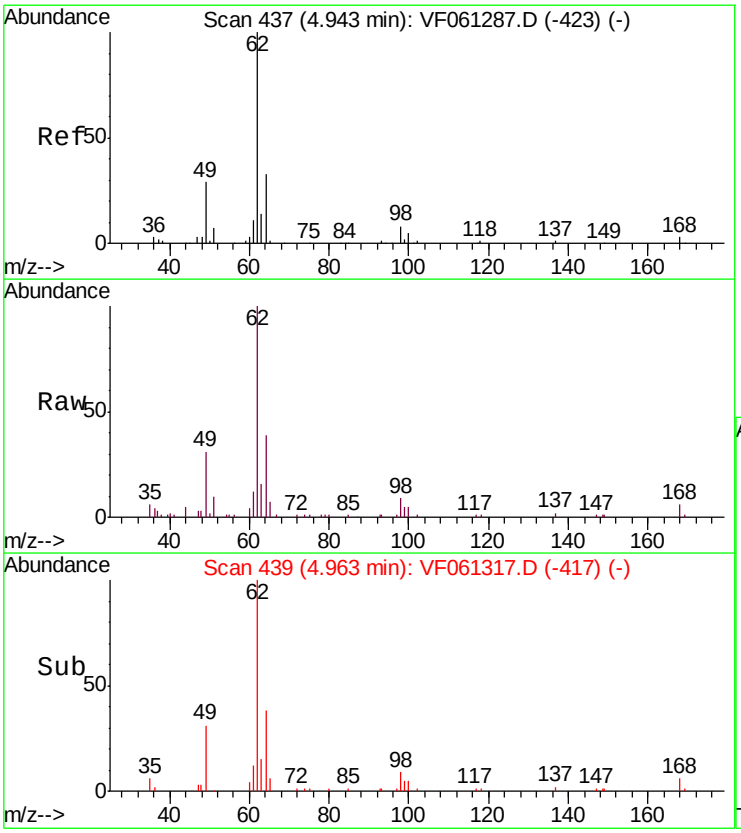

#41
Methacrylonitrile
Concen: 22.967 ug/l
RT: 4.77 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 41 Resp: 18515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 48.8 | 52.7 | 79.1# |
| 67 | 35.0 | 41.4 | 62.2# |
| 52 | 40.9 | 33.0 | 49.4 |

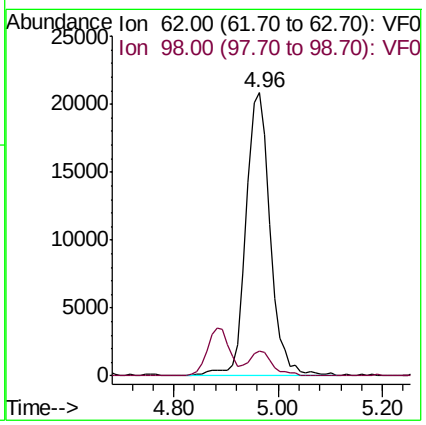


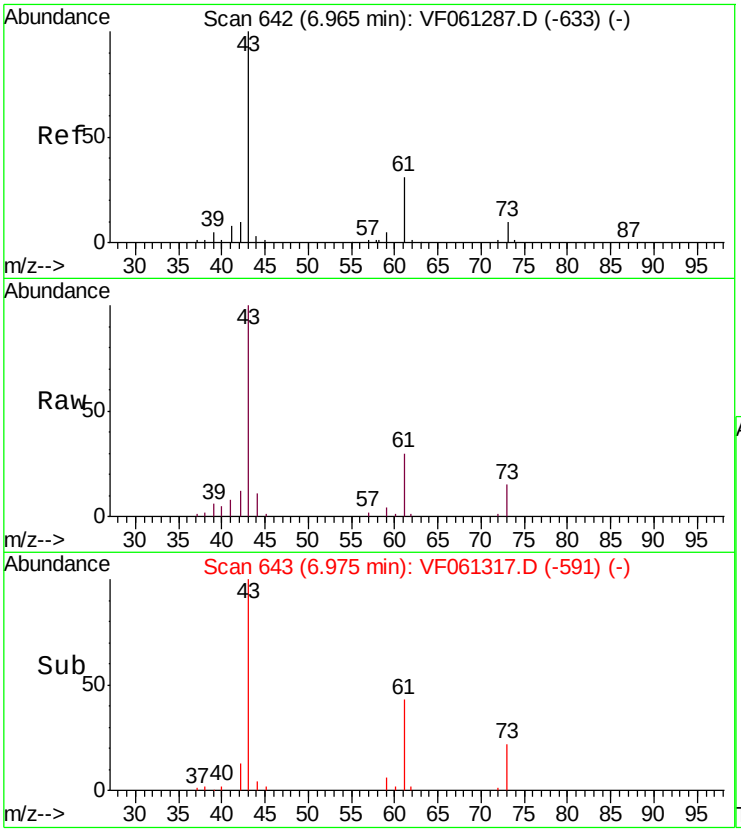




#42
1,2-Dichloroethane
Concen: 22.712 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 62 Resp: 65442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 16.8 |



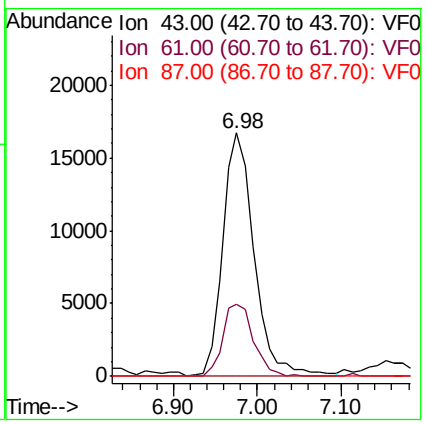


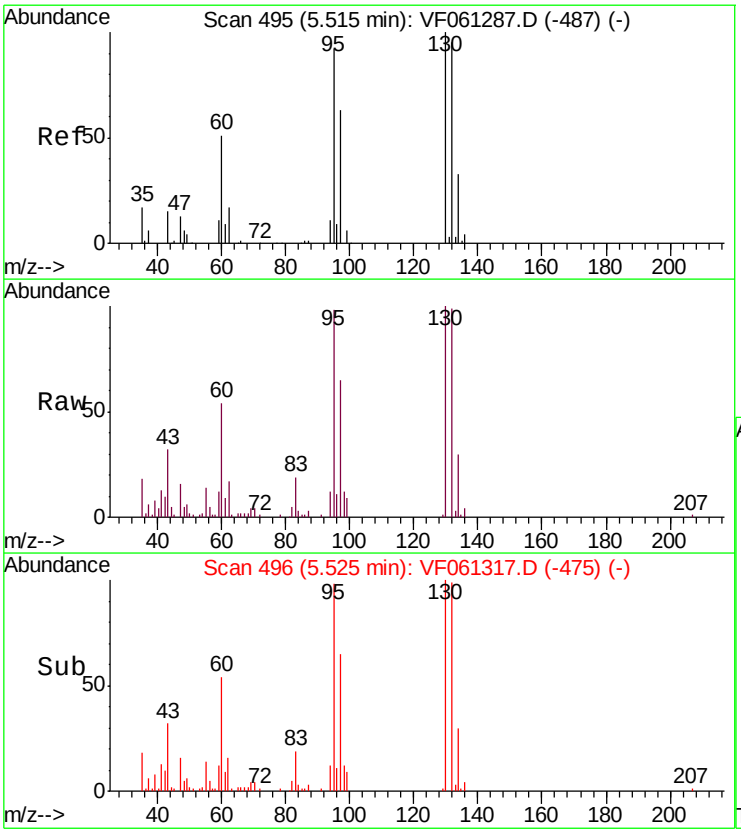

#43
Isopropyl Acetate
Concen: 22.781 ug/l
RT: 6.98 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 43419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.7 | 24.3 | 36.5 |
| 87 | 0.0 | 0.2 | 0.4# |

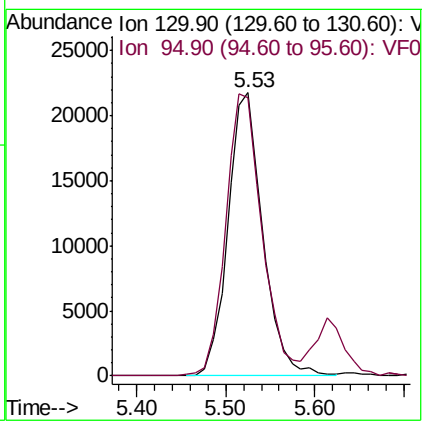


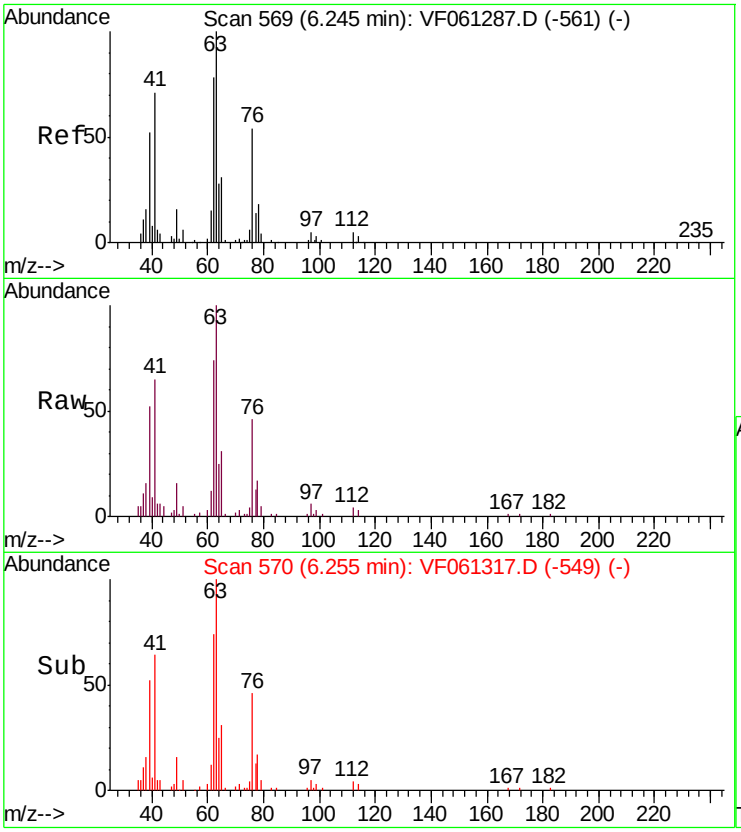




#44
Trichloroethene
Concen: 21.894 ug/l
RT: 5.53 min Scan# 496
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:130 Resp: 59301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.3 | 0.0 | 184.4 |



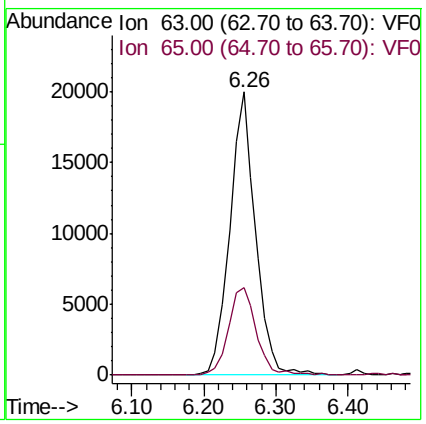


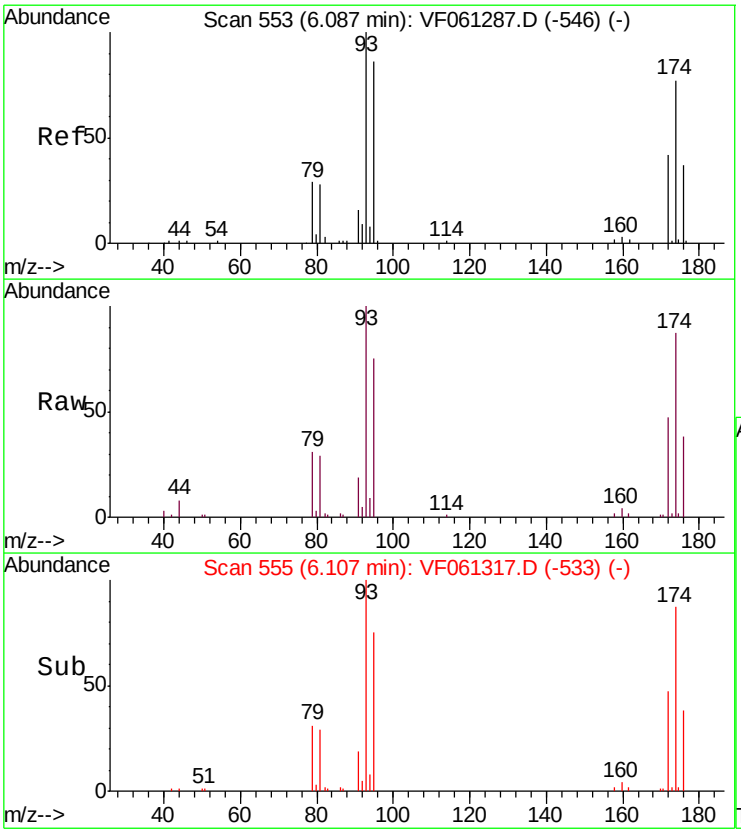

#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 6.26 min Scan# 570
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 63 Resp: 49295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 25.1 | 37.7 |

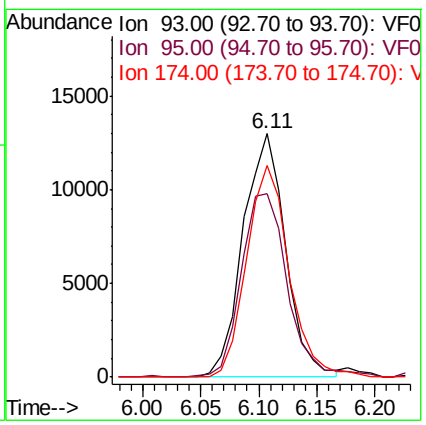


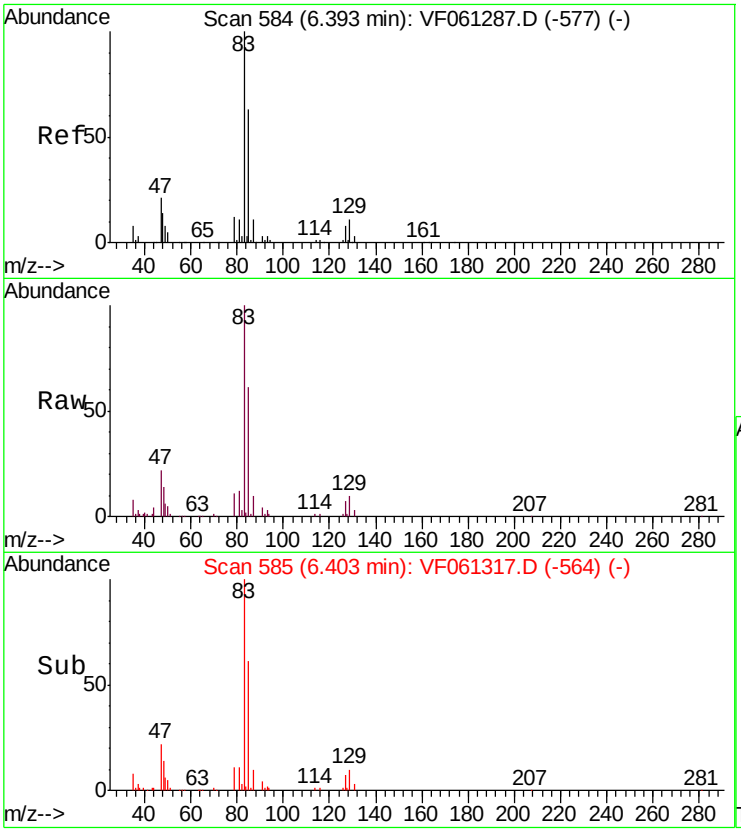




#46
Dibromomethane
Concen: 22.699 ug/l
RT: 6.11 min Scan# 555
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 93 Resp: 32801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 75.4 | 68.8 | 103.2 |
| 174 | 88.7 | 62.9 | 94.3 |



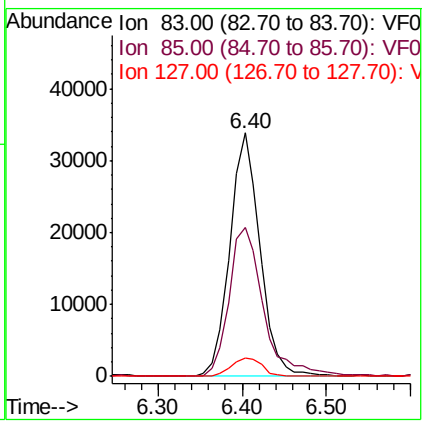


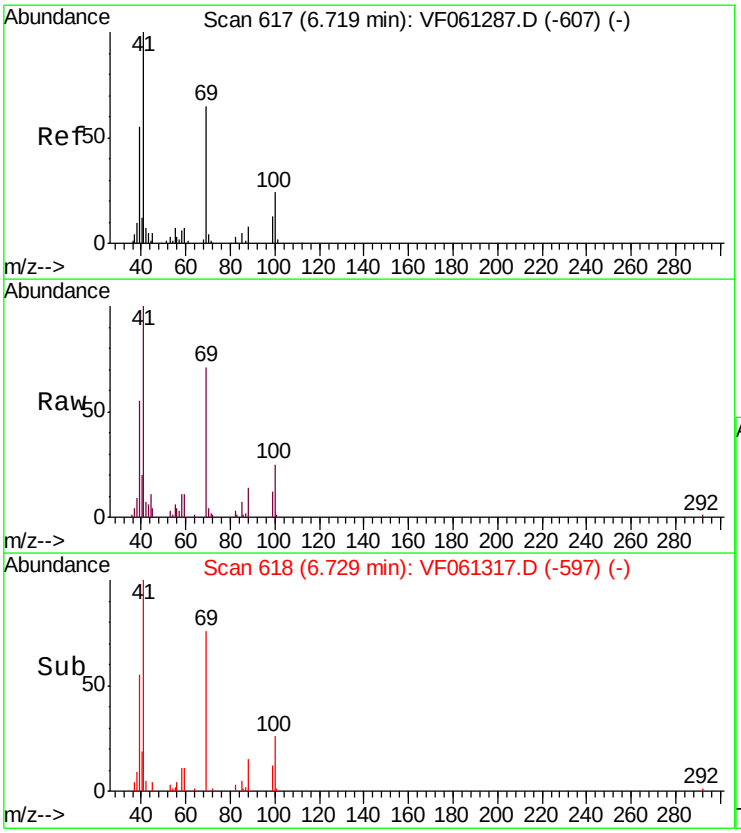

#47
Bromodichloromethane
Concen: 23.404 ug/l
RT: 6.40 min Scan# 585
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 83 Resp: 84113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.2 | 50.4 | 75.6 |
| 127 | 7.5 | 6.4 | 9.6 |

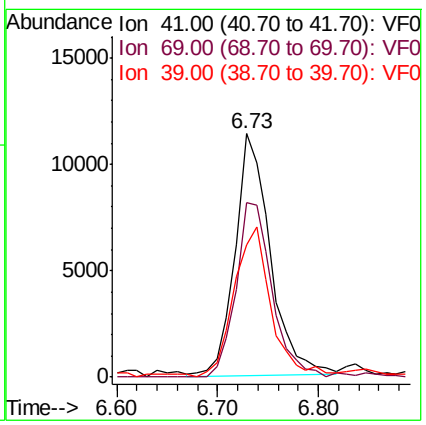


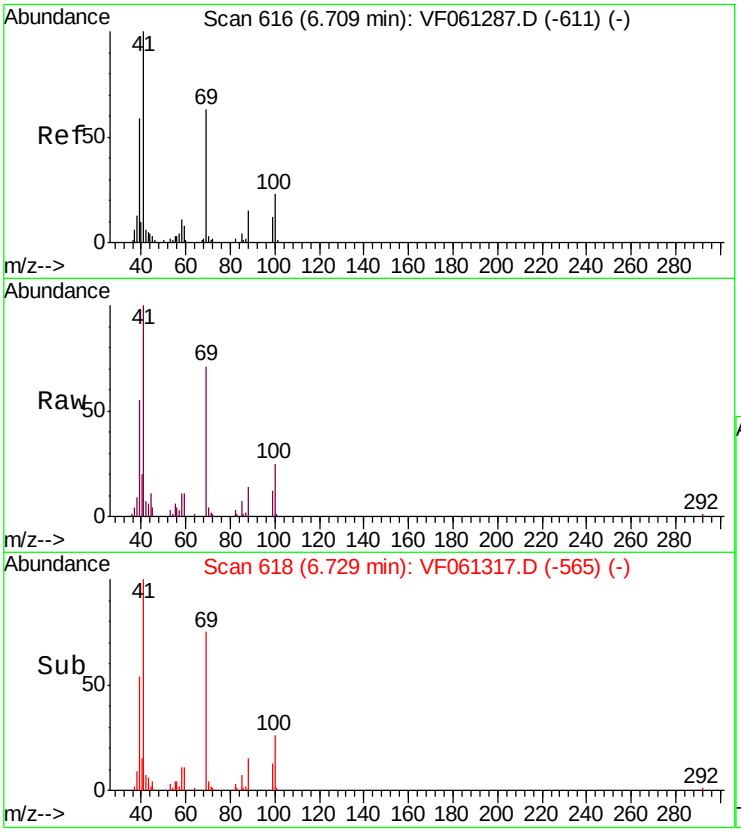




#48
Methyl methacrylate
Concen: 22.589 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 41 Resp: 27945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.5 | 51.5 | 77.3 |
| 39 | 54.5 | 44.1 | 66.1 |



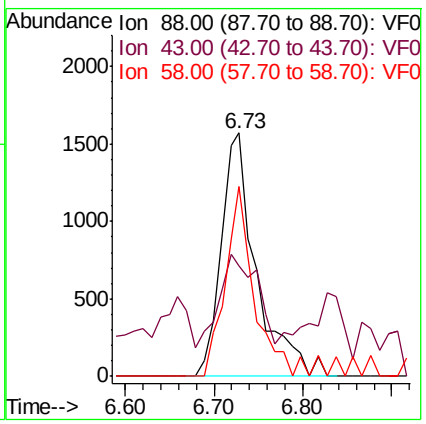


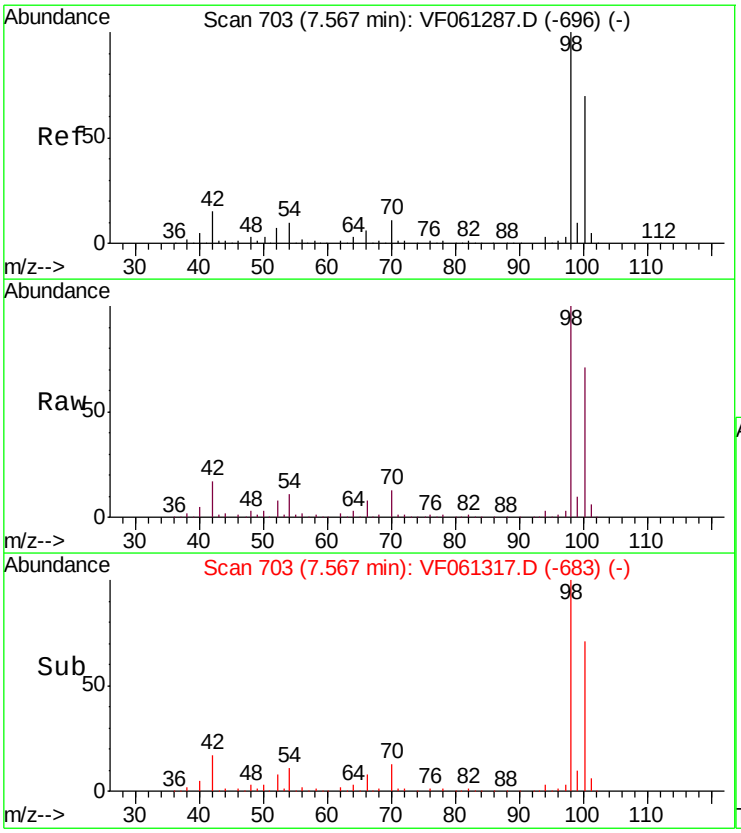

#49
1,4-Dioxane
Concen: 555.978 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 88 Resp: 4340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.5 | 38.5 | 57.7 |
| 58 | 77.9 | 57.0 | 85.4 |

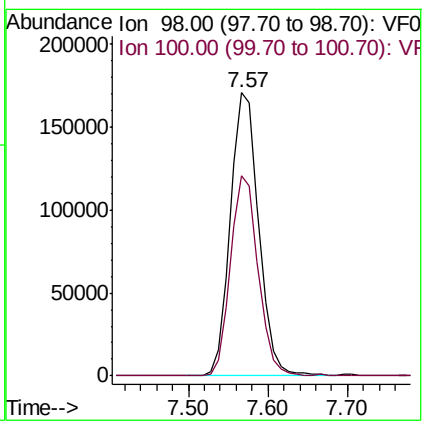


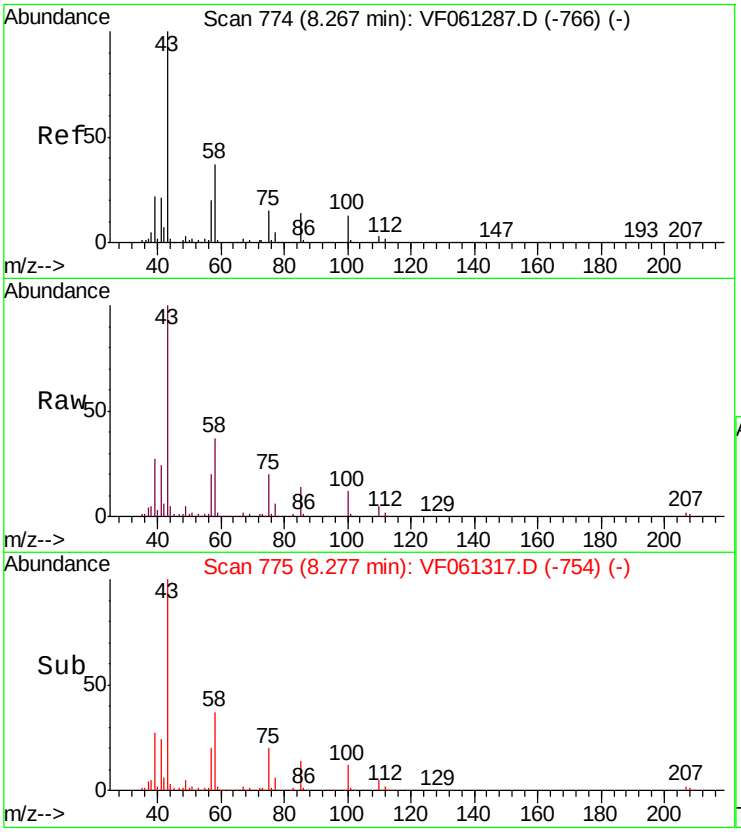




#50
Toluene-d8
Concen: 55.313 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 98 Resp: 425175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.6 | 55.6 | 83.4 |



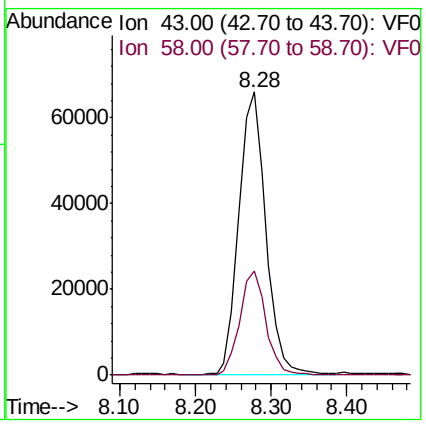


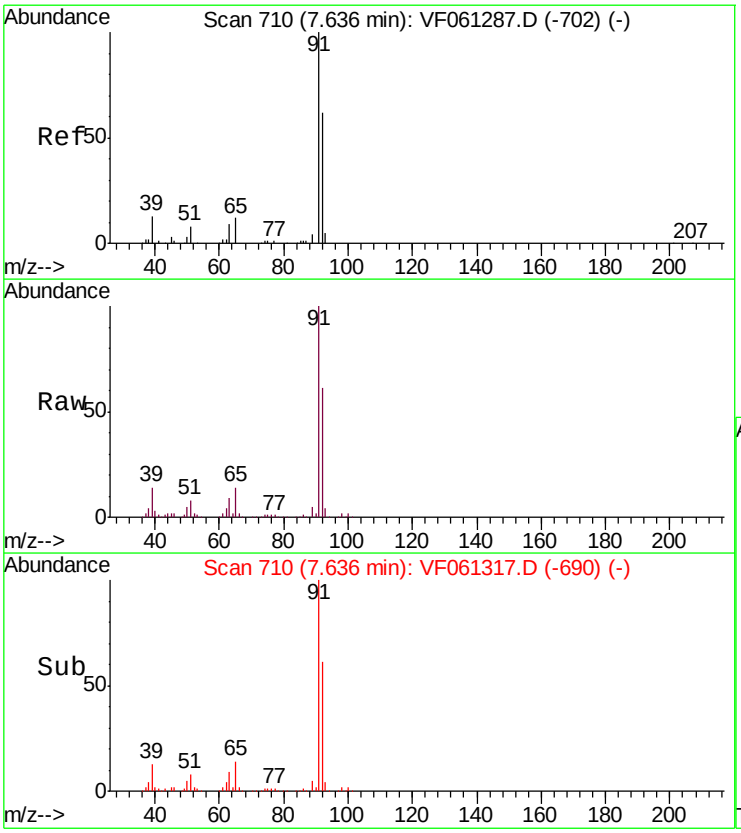

#51
4-Methyl-2-Pentanone
Concen: 114.285 ug/l
RT: 8.28 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 164409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 29.6 | 44.4 |

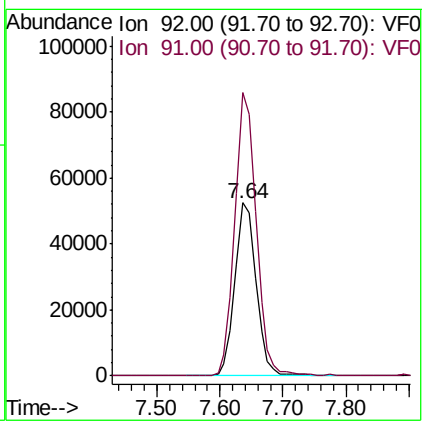


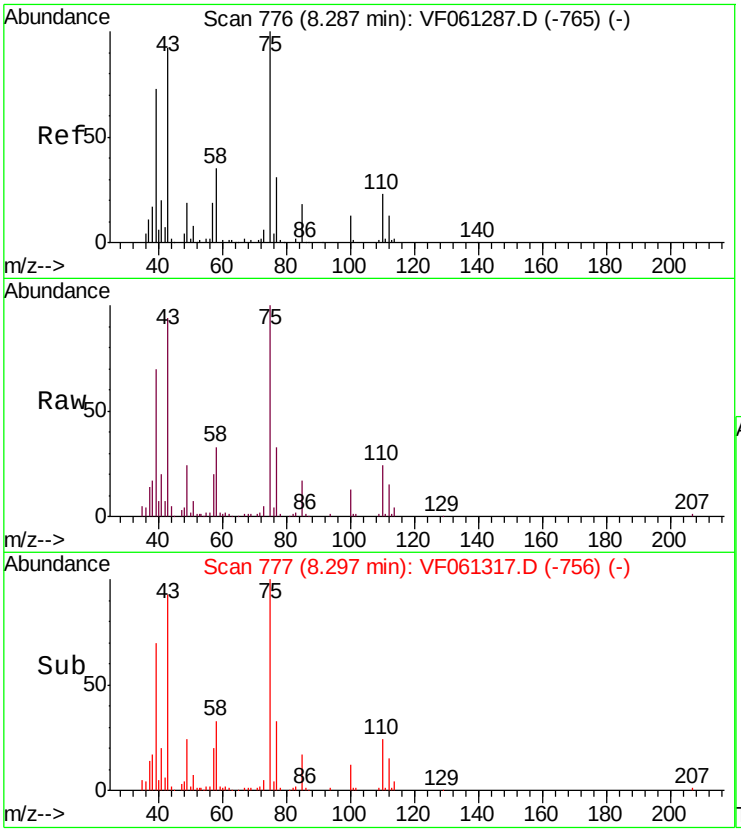




#52
Toluene
Concen: 20.628 ug/l
RT: 7.64 min Scan# 710
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 92 Resp: 122710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 163.5 | 129.2 | 193.8 |



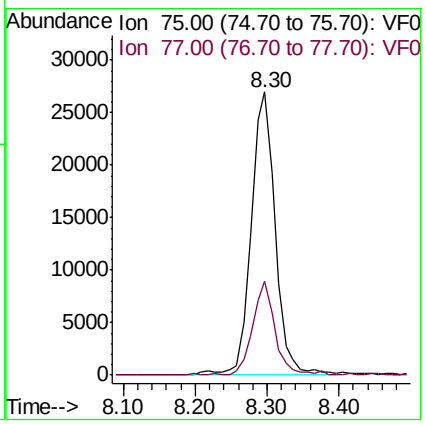


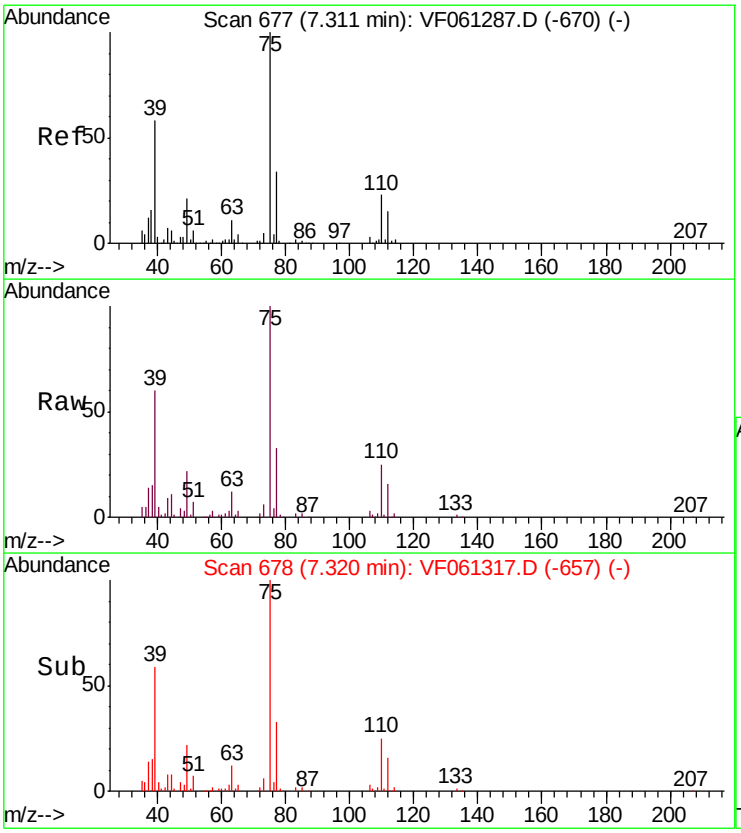

#53
t-1,3-Dichloropropene
Concen: 22.321 ug/l
RT: 8.30 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 75 Resp: 62999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 24.7 | 37.1 |

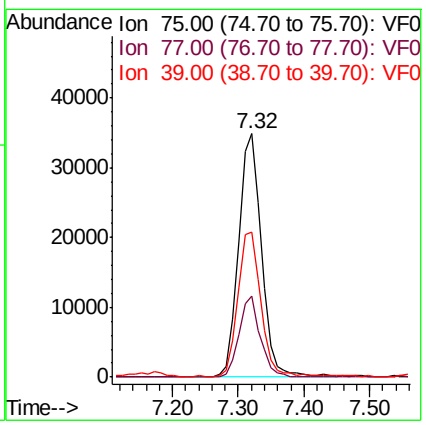


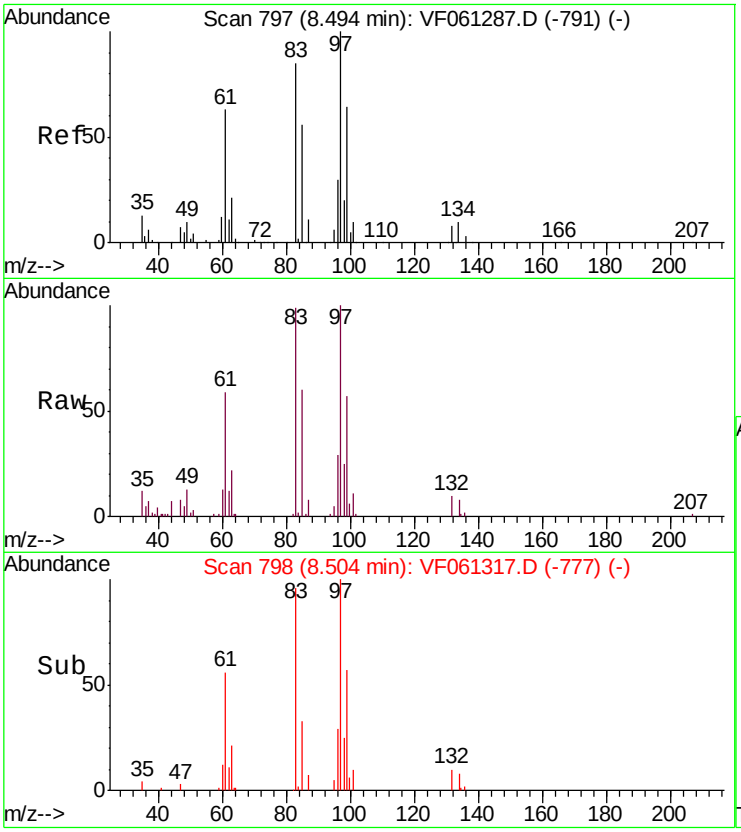




#54
cis-1,3-Dichloropropene
Concen: 22.867 ug/l
RT: 7.32 min Scan# 678
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 75 Resp: 85572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 27.3 | 40.9 |
| 39 | 59.8 | 46.3 | 69.5 |



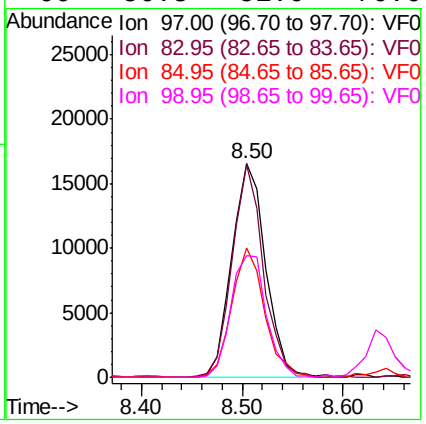


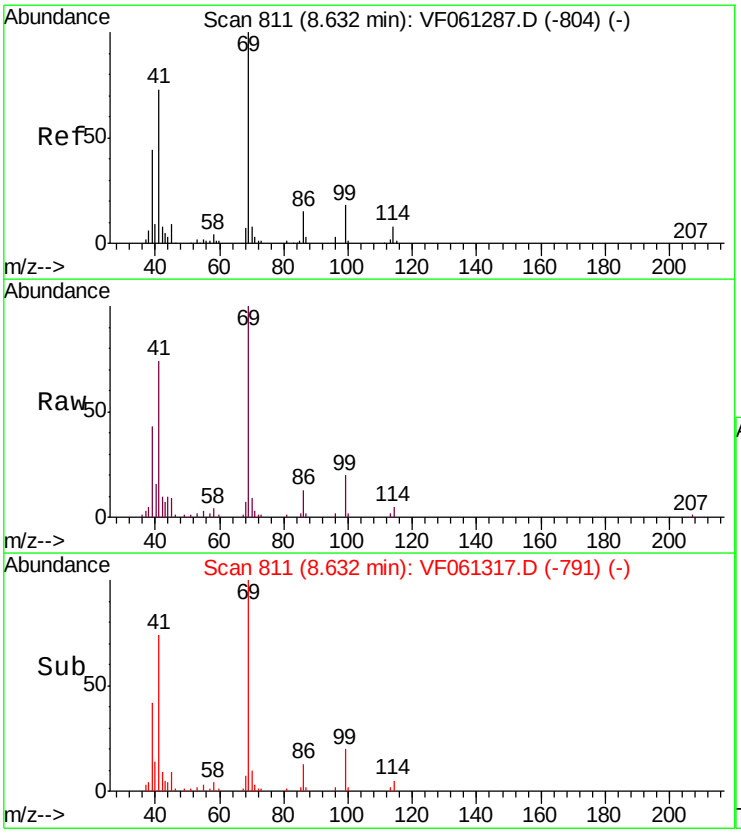

#55
1,1,2-Trichloroethane
Concen: 23.203 ug/l
RT: 8.50 min Scan# 798
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 97 Resp: 38625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 99.3 | 67.8 | 101.6 |
| 85 | 60.5 | 45.1 | 67.7 |
| 99 | 56.8 | 51.0 | 76.6 |

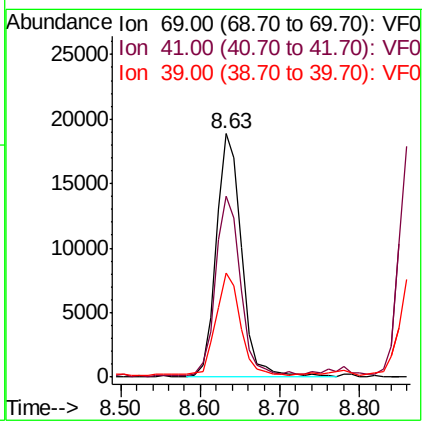


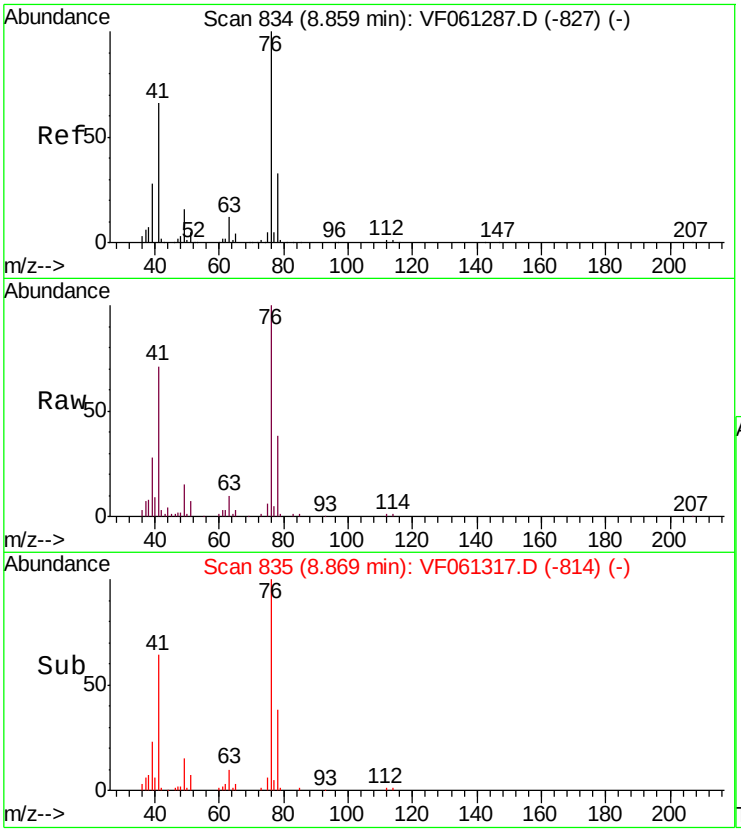




#56
Ethyl methacrylate
Concen: 22.839 ug/l
RT: 8.63 min Scan# 811
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 69 Resp: 42491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 74.1 | 59.0 | 88.4 |
| 39 | 42.8 | 35.3 | 52.9 |



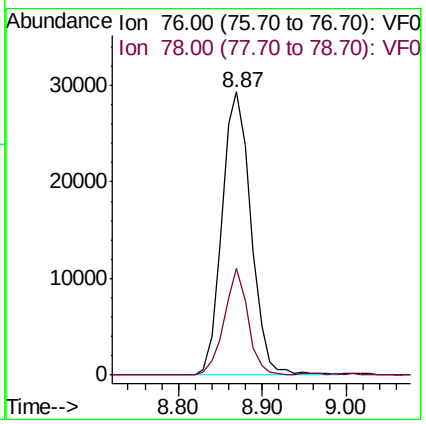


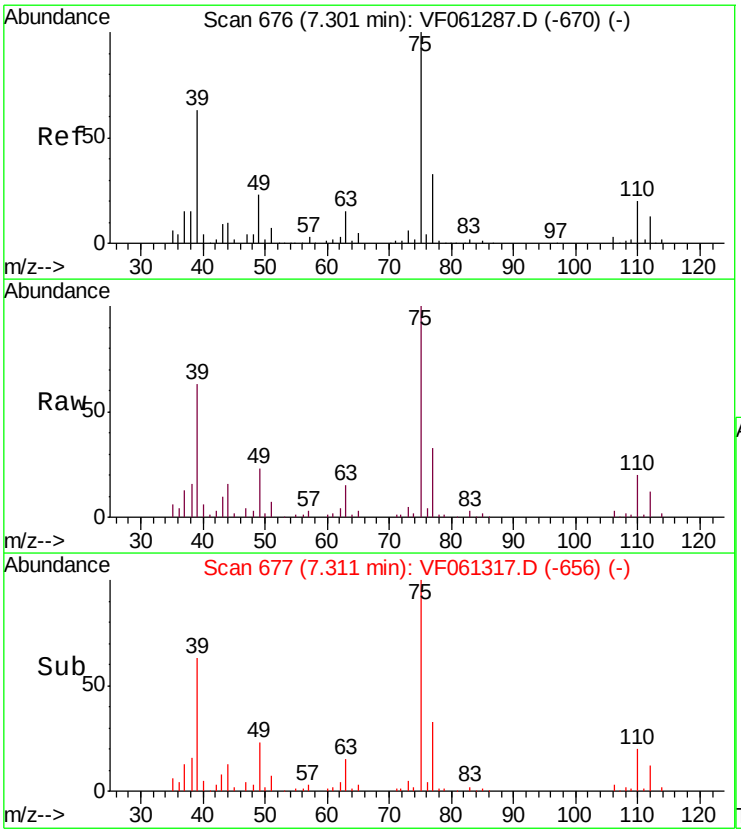

#57
1,3-Dichloropropane
Concen: 23.767 ug/l
RT: 8.87 min Scan# 835
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 76 Resp: 70018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 37.7 | 26.8 | 40.2 |

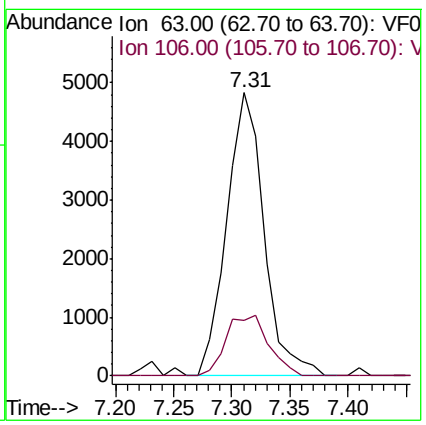


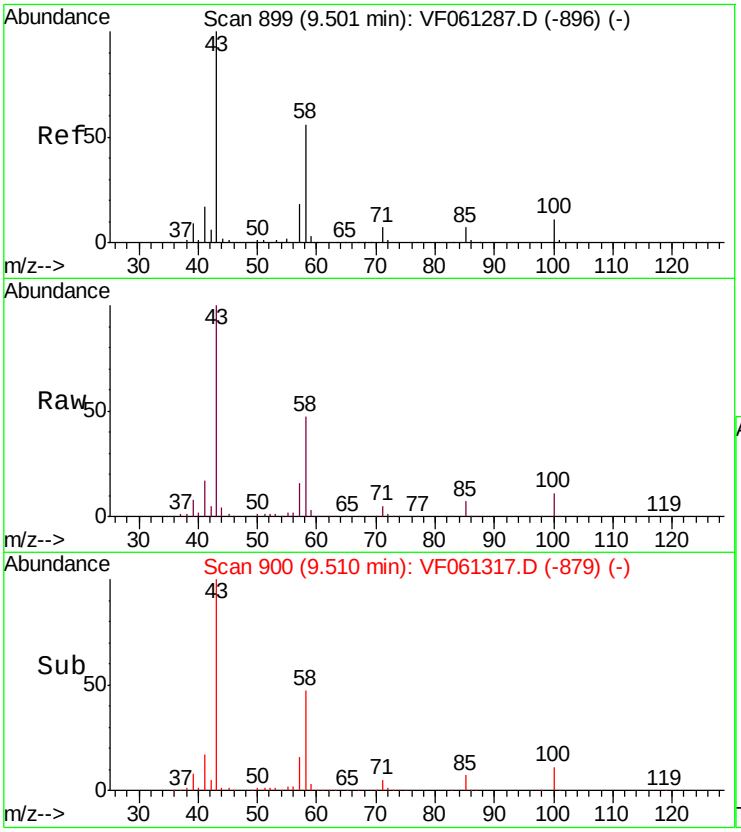




#58
2-Chloroethyl Vinyl ether
Concen: 135.539 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 63 Resp: 10746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 19.8 | 16.5 | 24.7 |



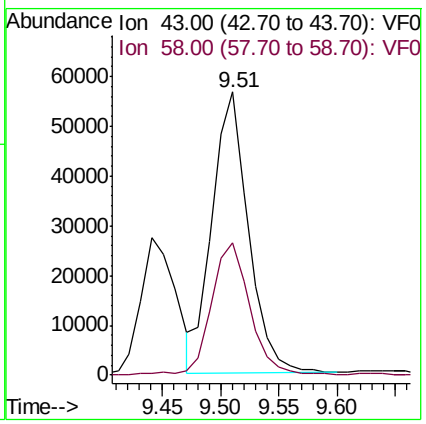


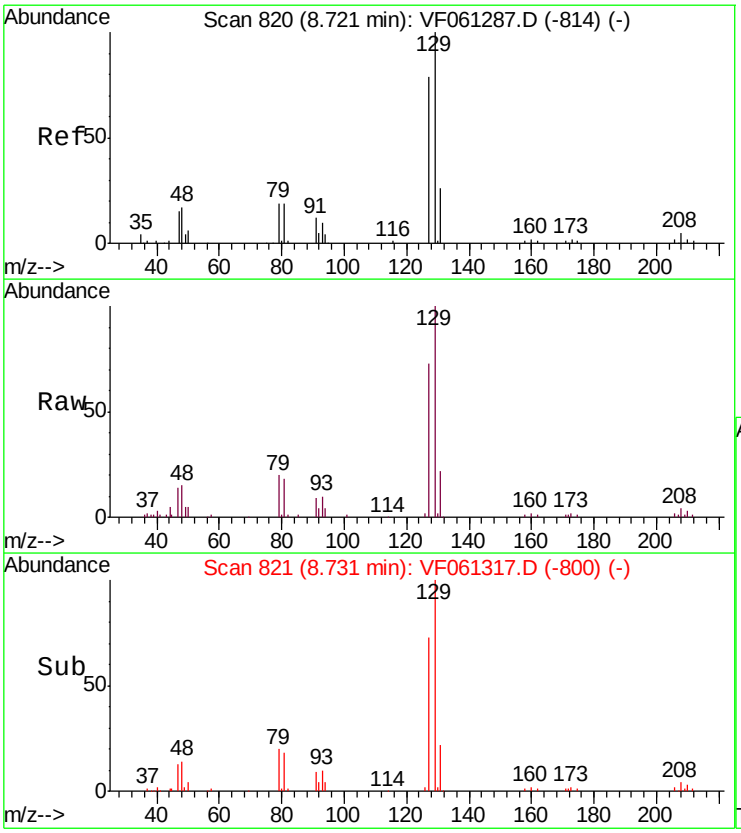

#59
2-Hexanone
Concen: 120.000 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 43 Resp: 122300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.0 | 25.6 | 76.8 |

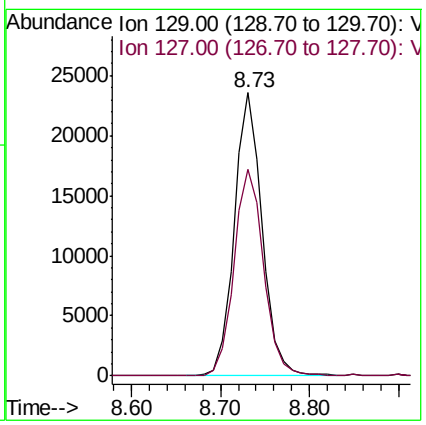


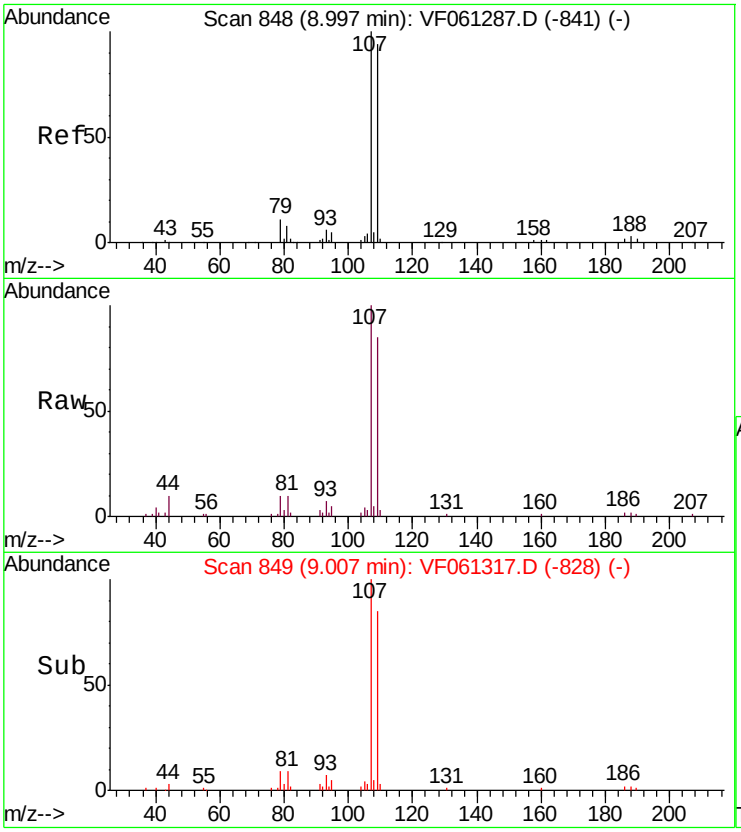




#60
Dibromochloromethane
Concen: 23.068 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:129 Resp: 51132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 72.8 | 39.4 | 118.1 |



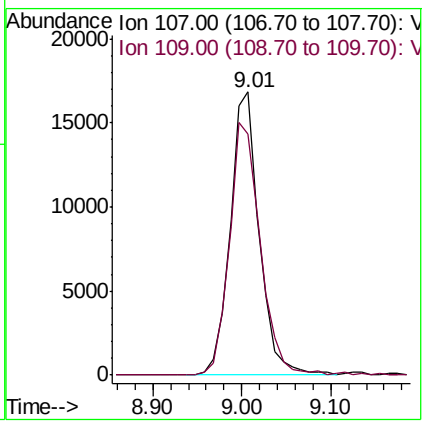


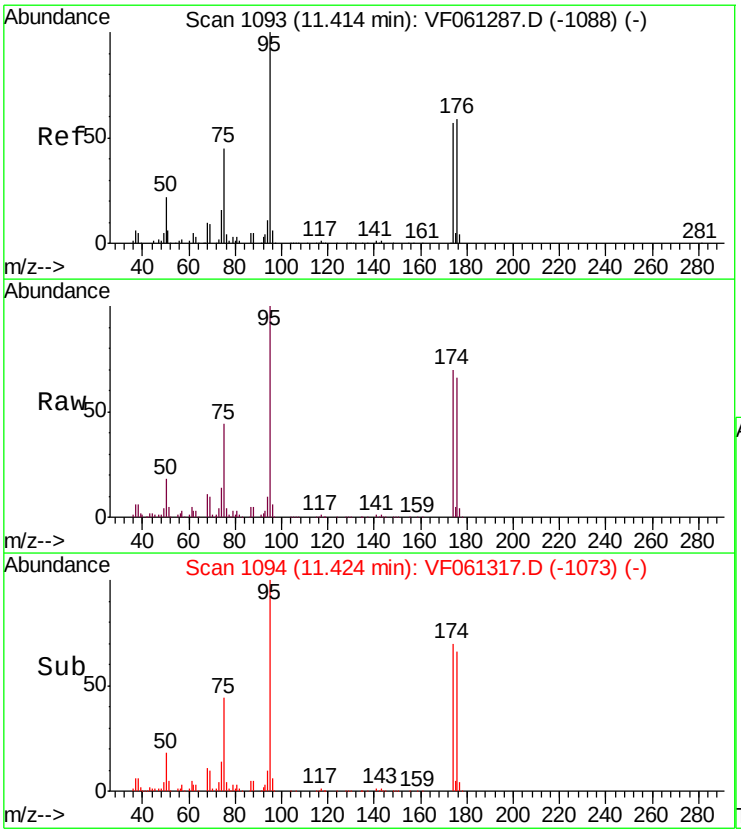

#61
1,2-Dibromoethane
Concen: 22.540 ug/l
RT: 9.01 min Scan# 849
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion:107 Resp: 38247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 85.4 | 75.1 | 112.7 |

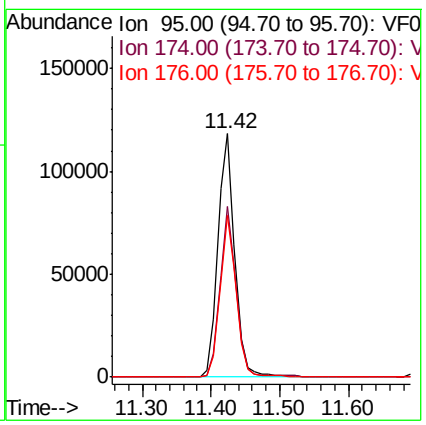


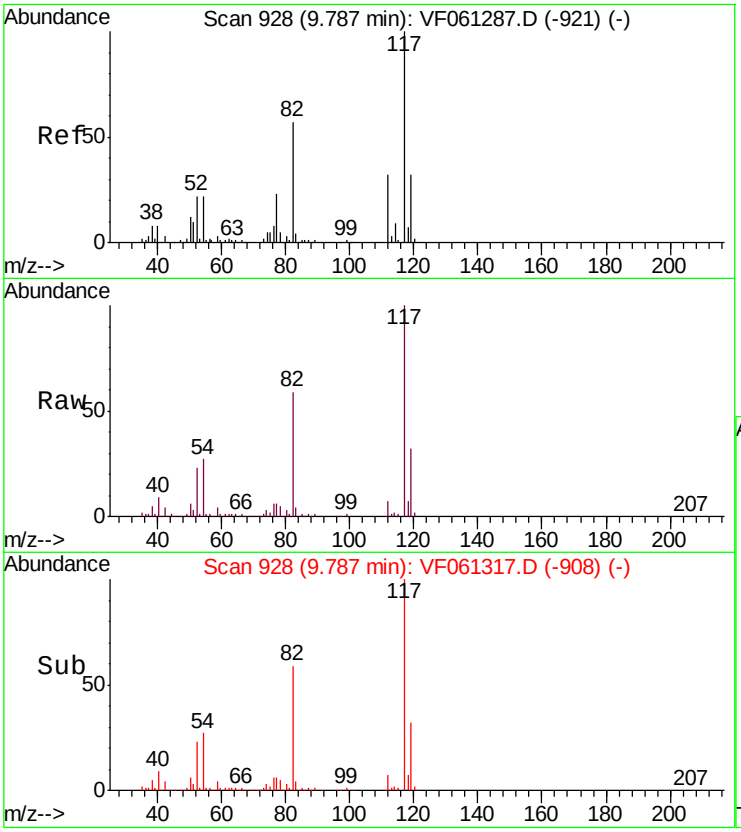




#62
4-Bromofluorobenzene
Concen: 59.664 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 95 Resp: 200260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.3 | 0.0 | 114.2 |
| 176 | 66.5 | 0.0 | 117.8 |



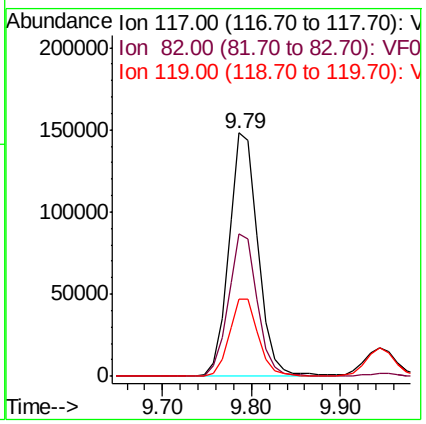


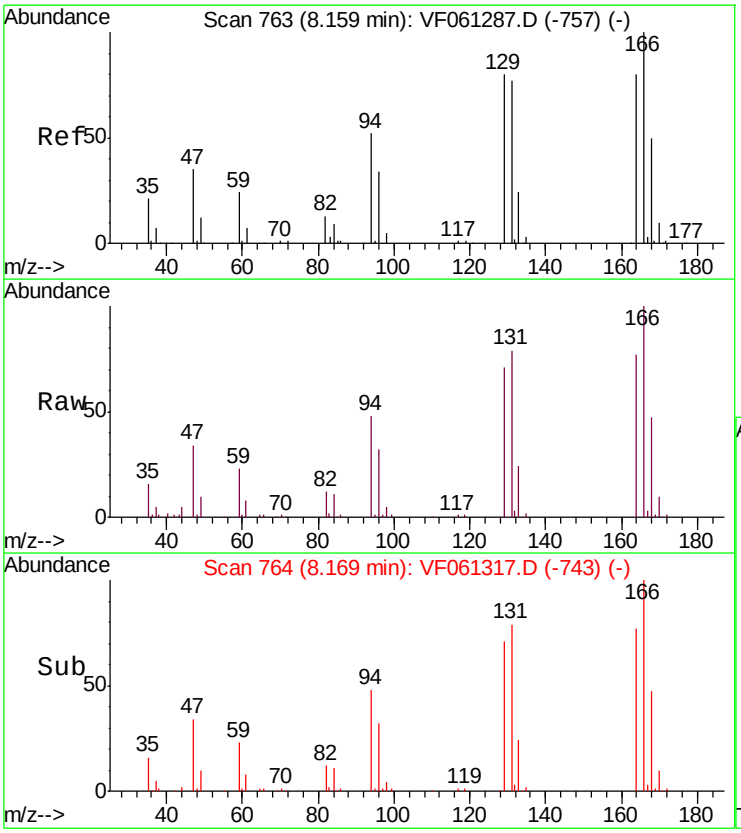

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:117 Resp: 339350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.8 | 45.3 | 67.9 |
| 119 | 32.0 | 25.4 | 38.0 |

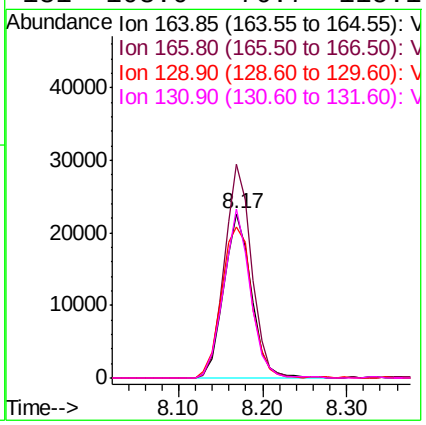


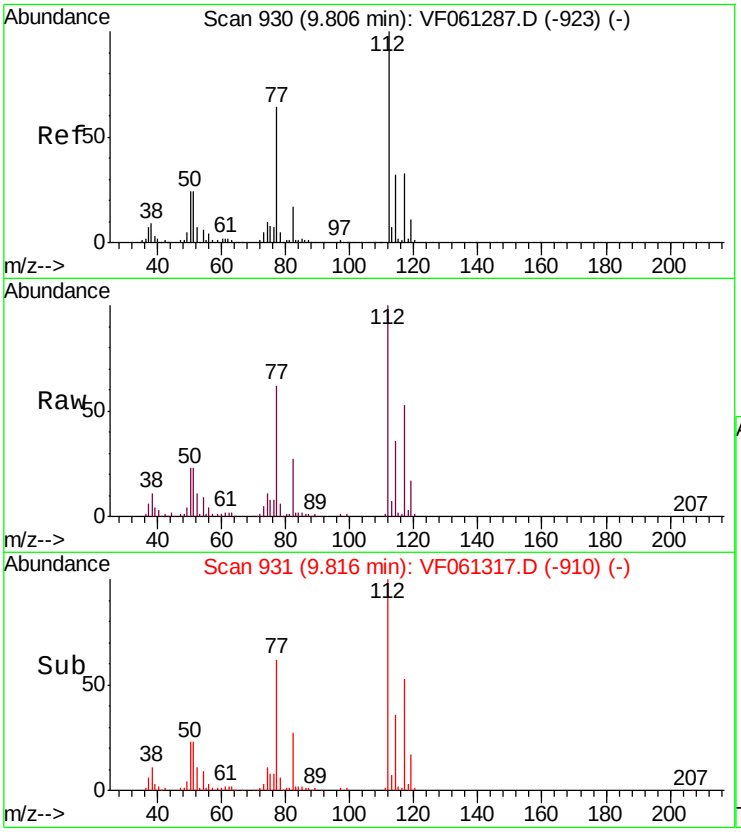




#64
Tetrachloroethene
Concen: 20.822 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:164 Resp: 51445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.3 | 100.1 | 150.1 |
| 129 | 91.9 | 80.1 | 120.1 |
| 131 | 103.0 | 76.7 | 115.1 |



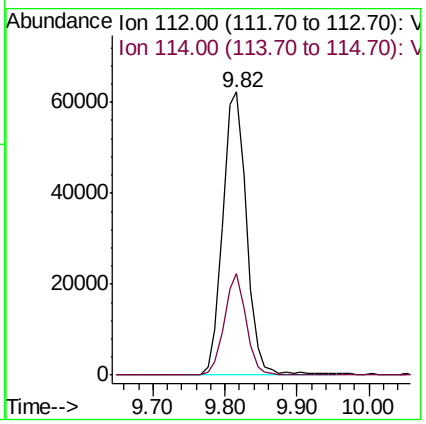


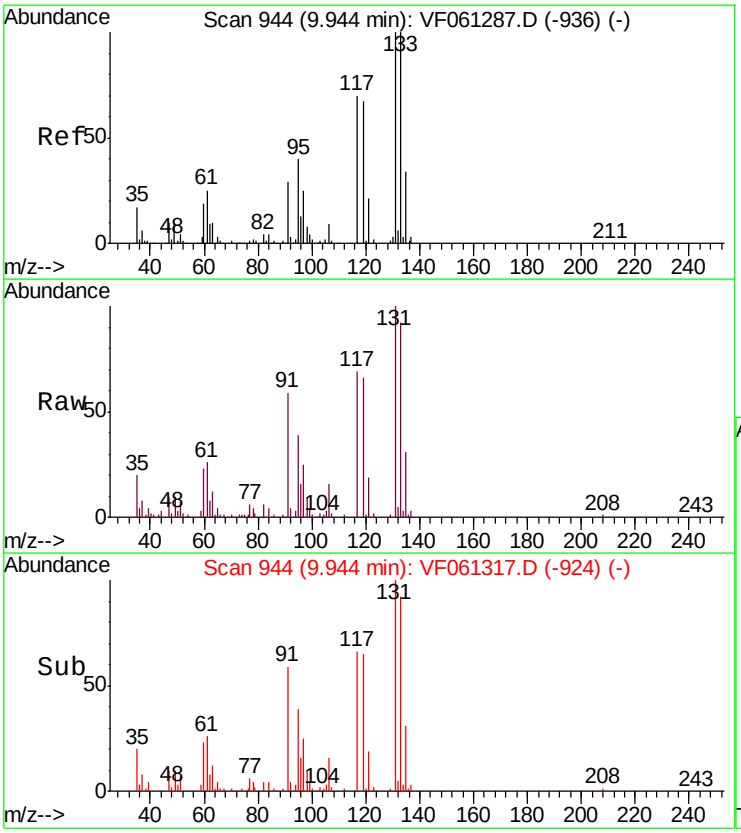

#65
Chlorobenzene
Concen: 20.908 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:112 Resp: 143277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 35.8 | 25.8 | 38.8 |

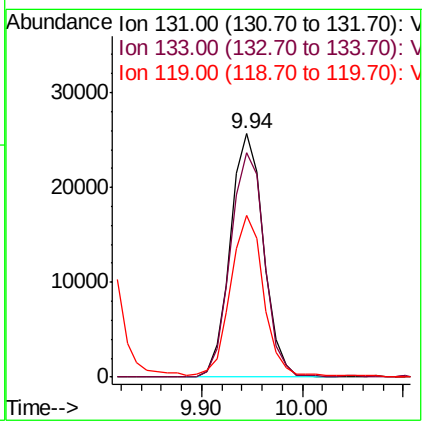


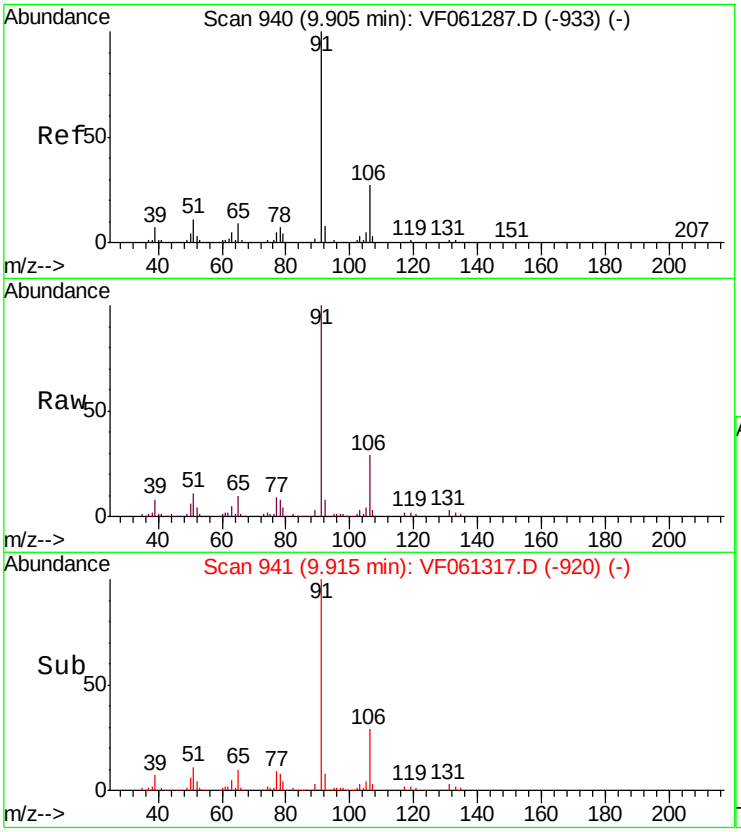




#66
1,1,1,2-Tetrachloroethane
Concen: 21.072 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:131 Resp: 58922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.4 | 49.9 | 149.6 |
| 119 | 66.3 | 33.9 | 101.6 |



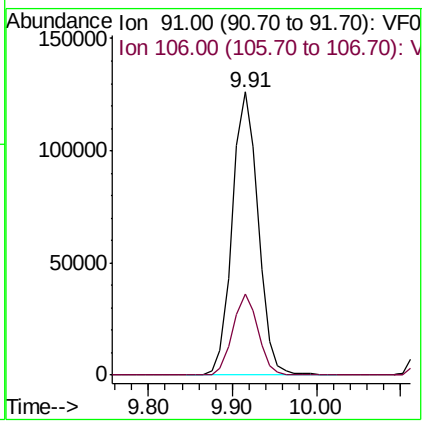


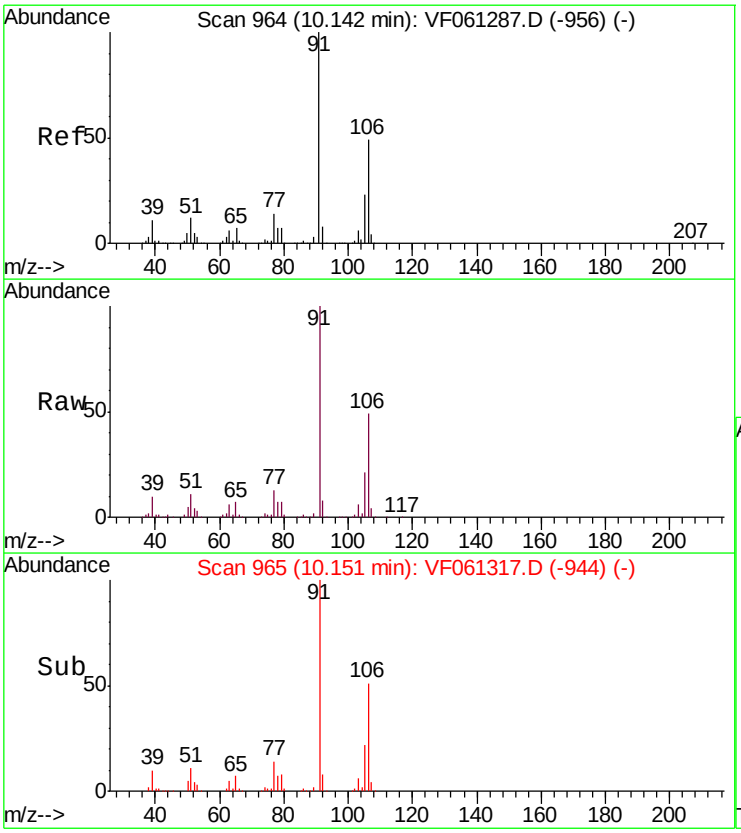

#67
Ethyl Benzene
Concen: 20.526 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 91 Resp: 271202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.5 | 21.4 | 32.2 |

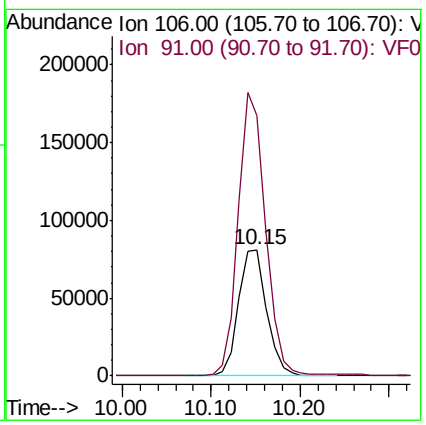


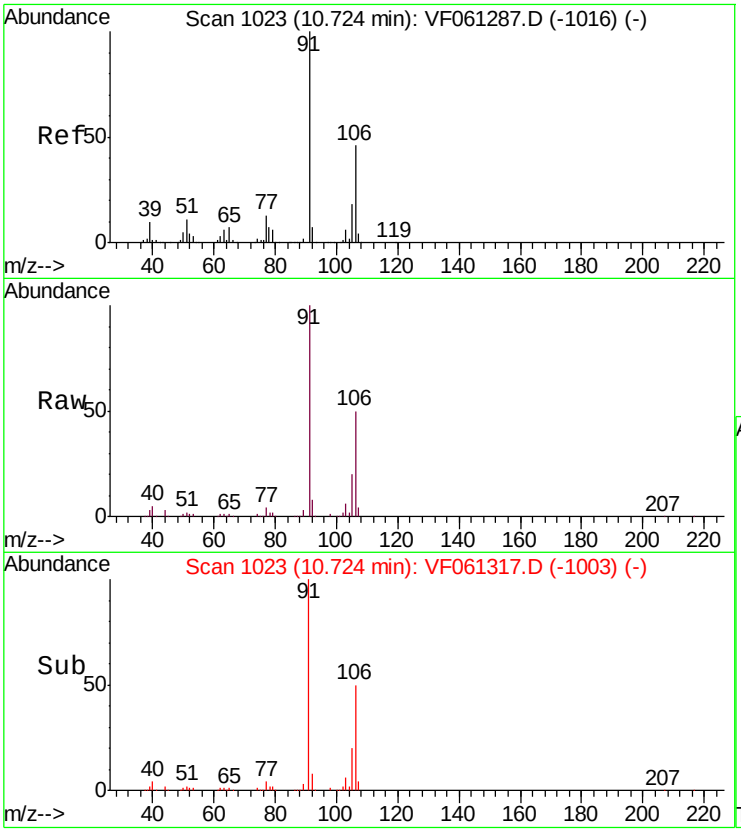




#68
m/p-Xylenes
Concen: 38.987 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:106 Resp: 179685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 165.0 | 247.6 |



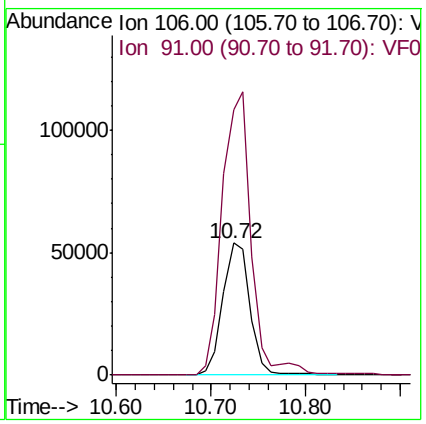


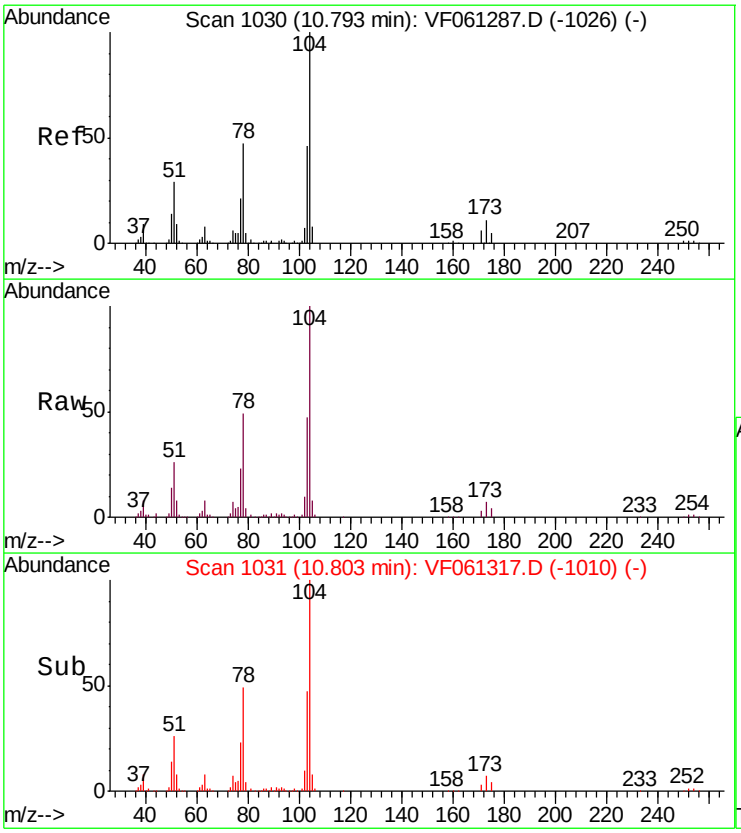

#69
o-Xylene
Concen:  20.926 ug/l
RT: 10.72 min  Scan# 1023
Delta R.T.  -0.00 min
Lab File:  VF061317.D
Acq: 10 Jan 2019  00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:106 Resp:  107736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.7 | 108.1 | 324.4 |

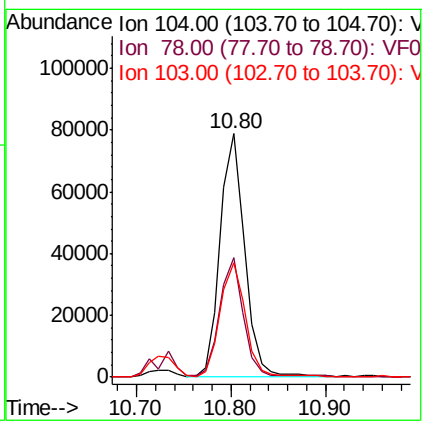


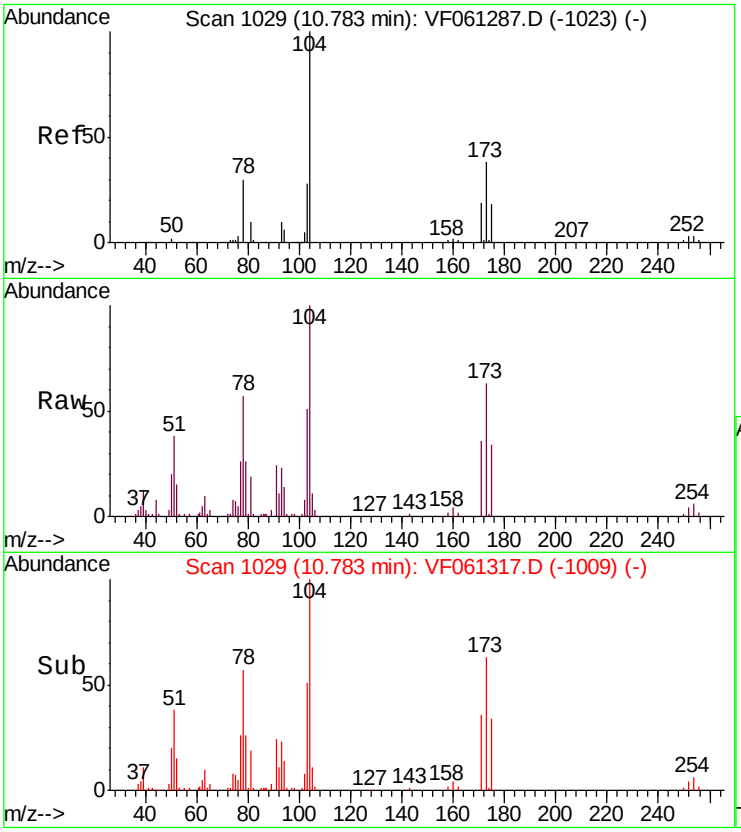




#70
Styrene
Concen:  20.671 ug/l
RT: 10.80 min  Scan# 1031
Delta R.T.  0.01 min
Lab File:  VF061317.D
Acq: 10 Jan 2019  00:48

Tgt Ion:104 Resp:  141772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.2 | 38.0 | 57.0 |
| 103 | 46.8 | 36.7 | 55.1 |



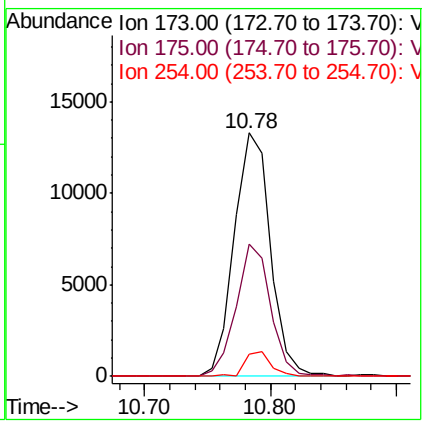


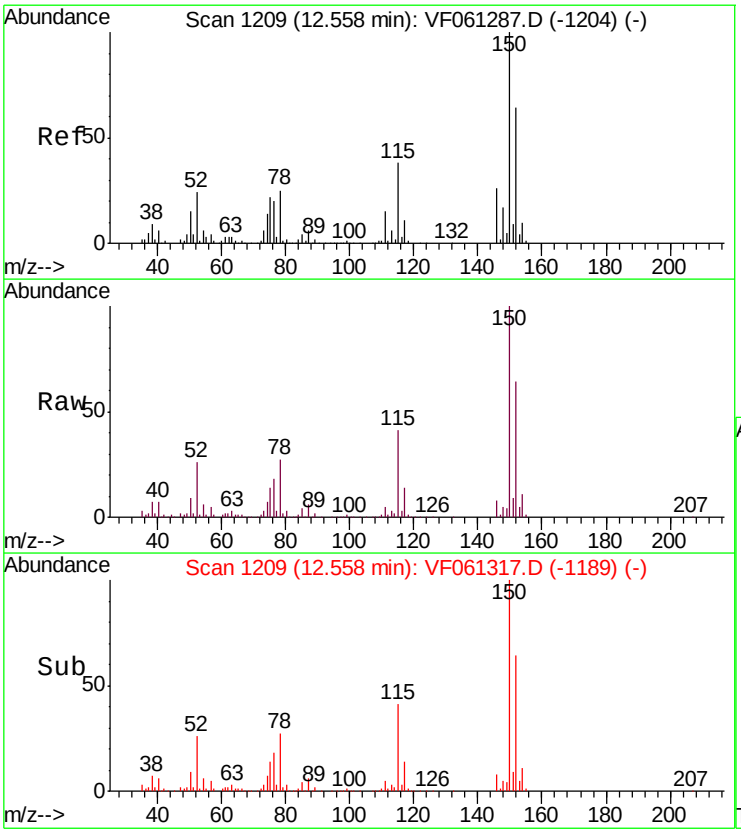

#71
Bromoform
Concen: 23.085 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:173 Resp: 26380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 54.3 | 24.1 | 72.2 |
| 254 | 9.0 | 0.0 | 0.0# |

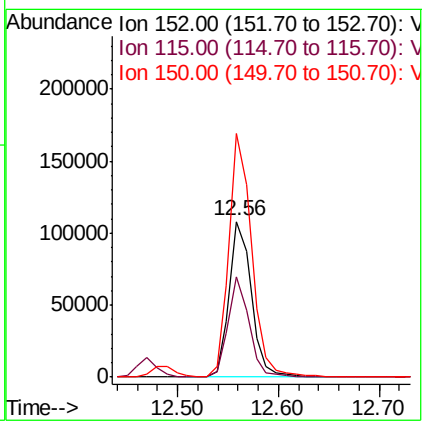


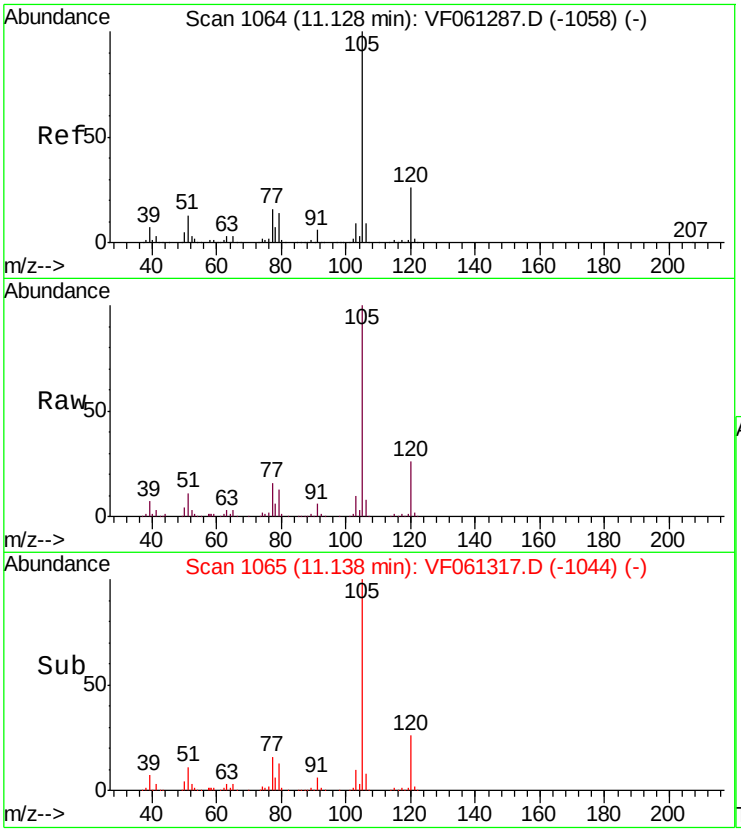




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:152 Resp: 166279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.5 | 29.6 | 88.9 |
| 150 | 156.2 | 0.0 | 315.4 |



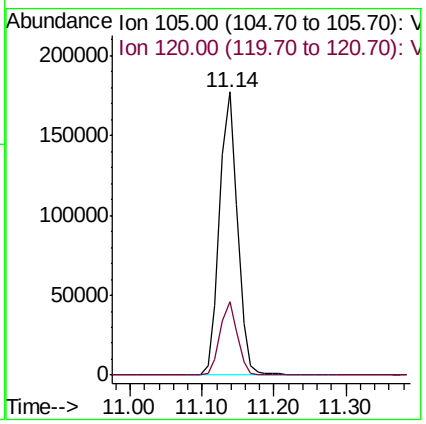


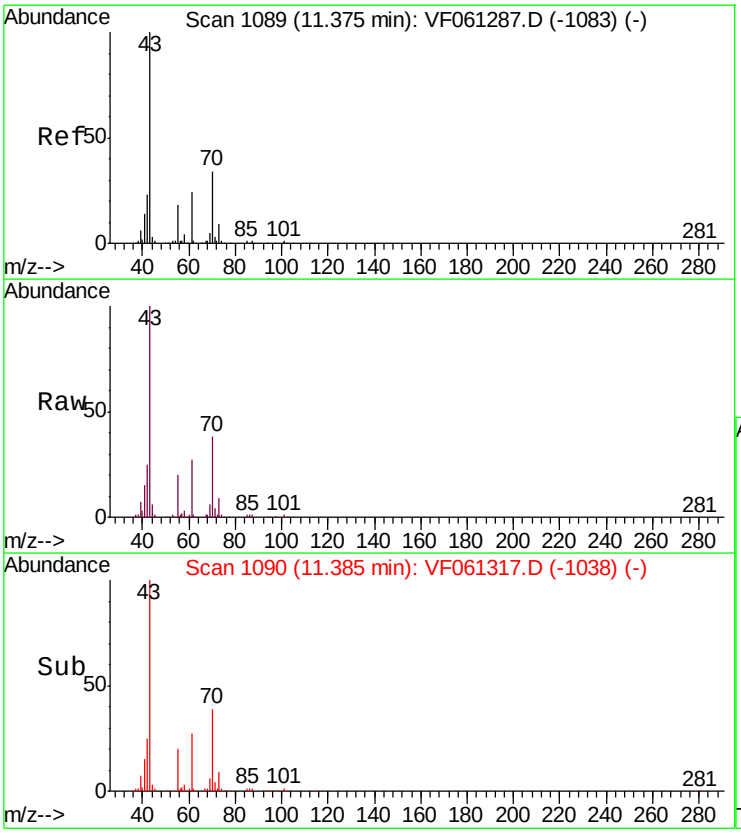

#73
Isopropylbenzene
Concen: 20.949 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion:105 Resp: 306522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 12.9 | 38.7 |

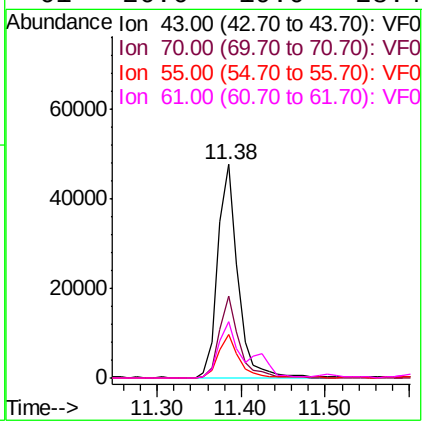


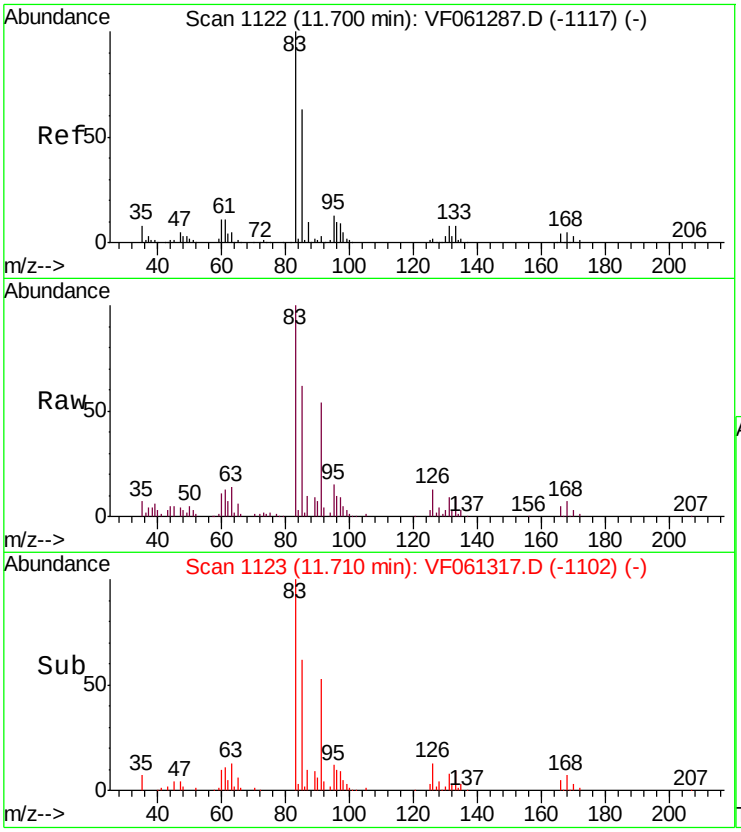




#74
N-amyl acetate
Concen: 24.155 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 43 Resp: 80340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 27.4 | 41.0 |
| 55 | 20.2 | 14.7 | 22.1 |
| 61 | 26.6 | 19.0 | 28.4 |



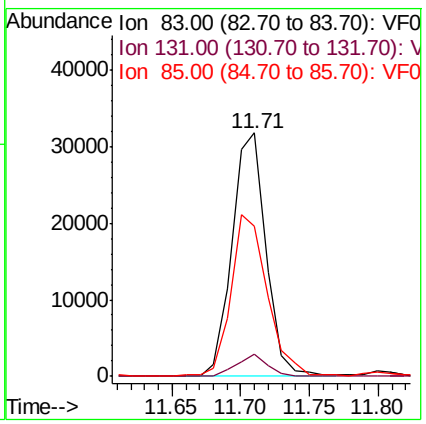


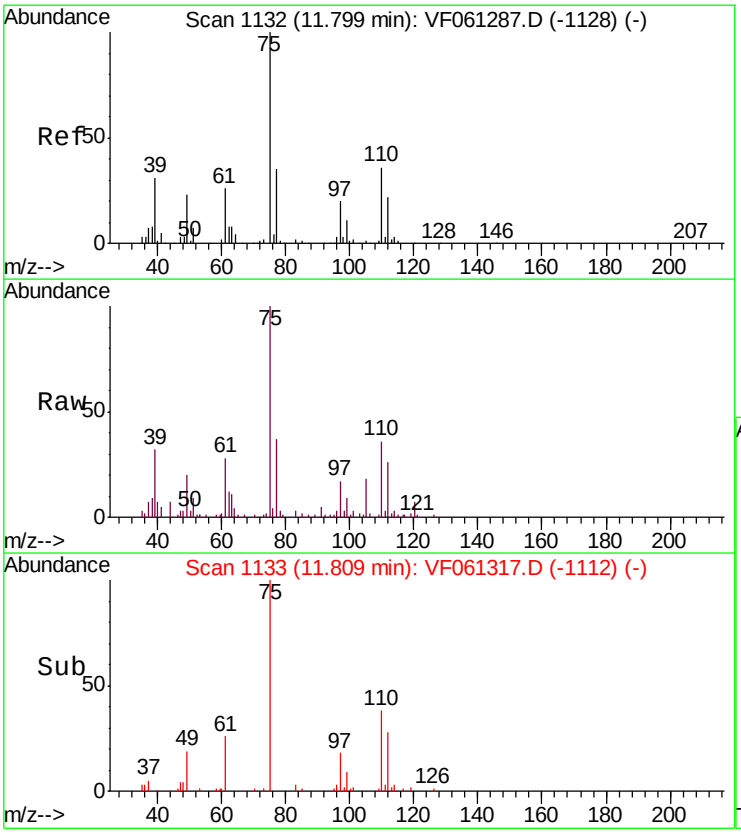

#75
1,1,2,2-Tetrachloroethane
Concen: 23.613 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 83 Resp: 54780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.1 | 3.9 | 11.7 |
| 85 | 61.7 | 31.6 | 94.7 |

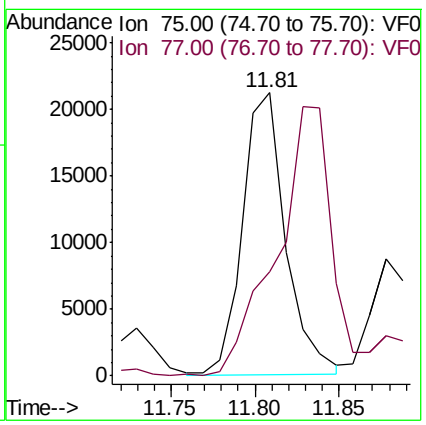


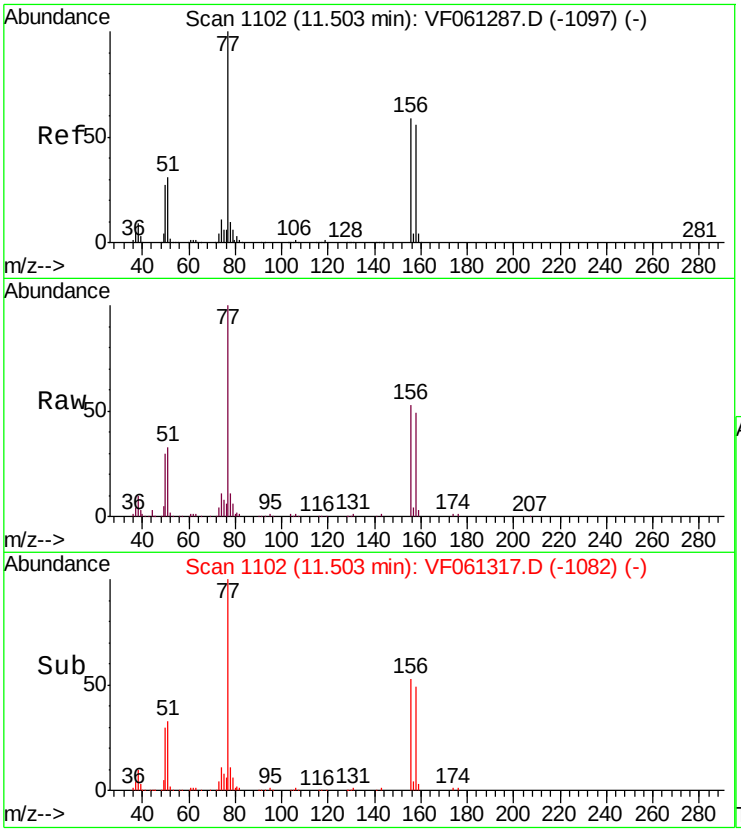




#76
1,2,3-Trichloropropane
Concen: 22.098 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 75 Resp: 37600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.9 | 17.5 | 52.5 |



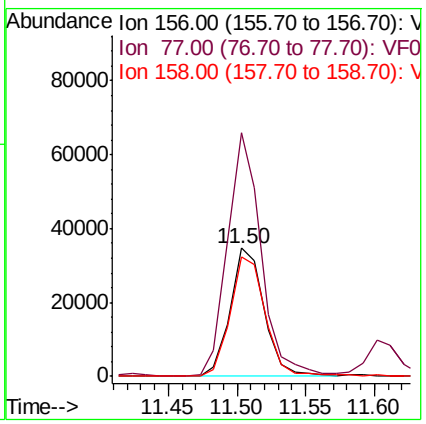


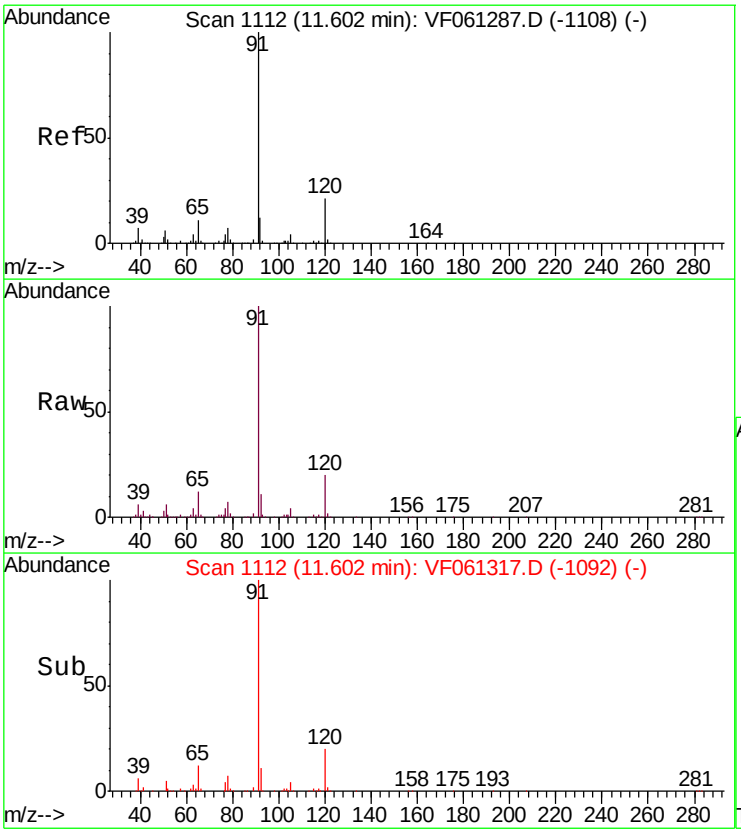

#77
Bromobenzene
Concen: 20.393 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:156 Resp: 59361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 190.4 | 84.3 | 252.9 |
| 158 | 93.6 | 47.1 | 141.3 |

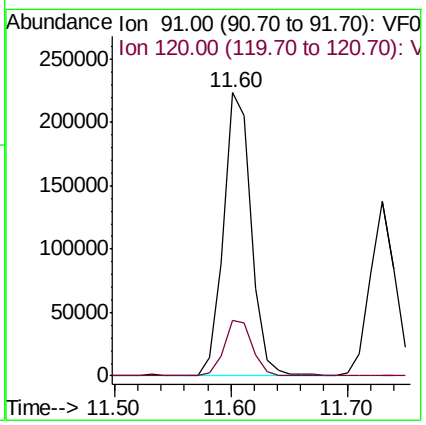


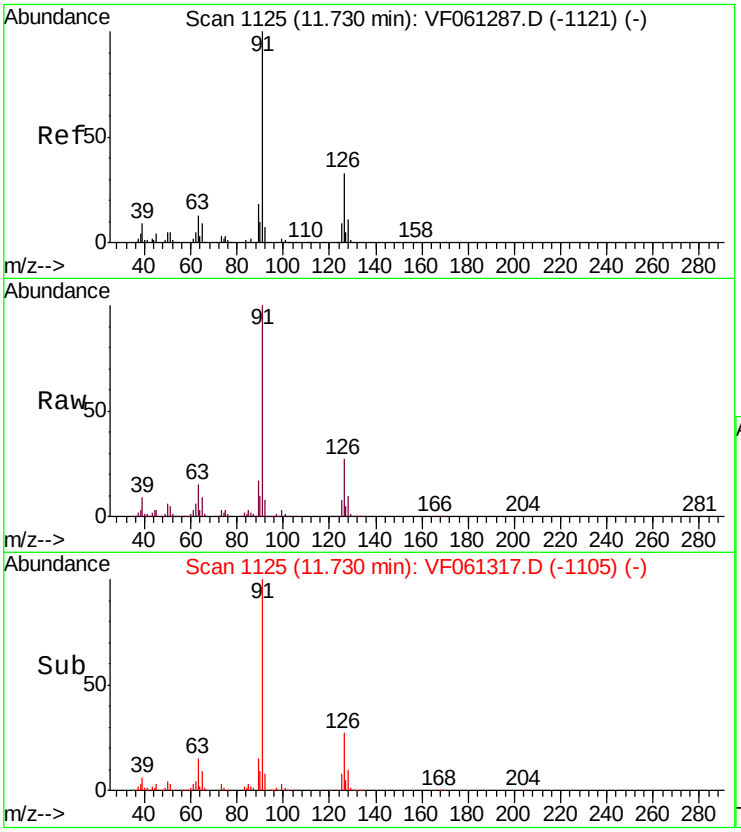




#78
n-propylbenzene
Concen: 21.027 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 91 Resp: 366820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 19.5 | 10.7 | 32.1 |



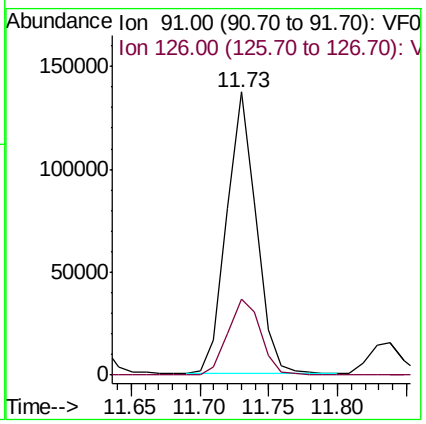


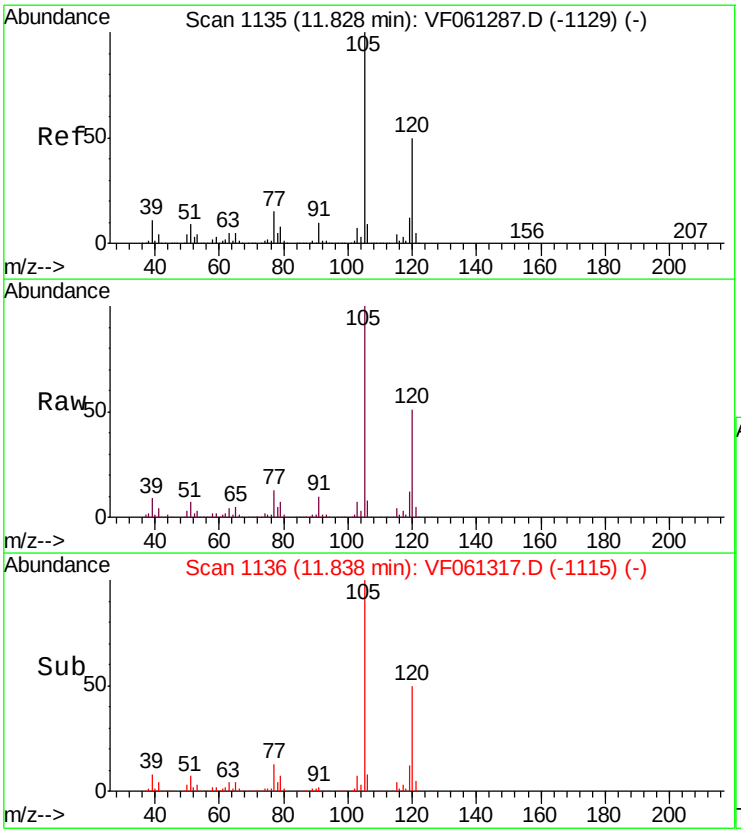

#79
2-Chlorotoluene
Concen: 21.043 ug/l
RT: 11.73 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion: 91 Resp: 204529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.0 | 16.6 | 49.8 |

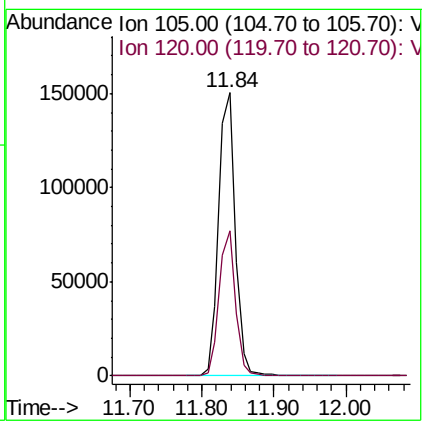


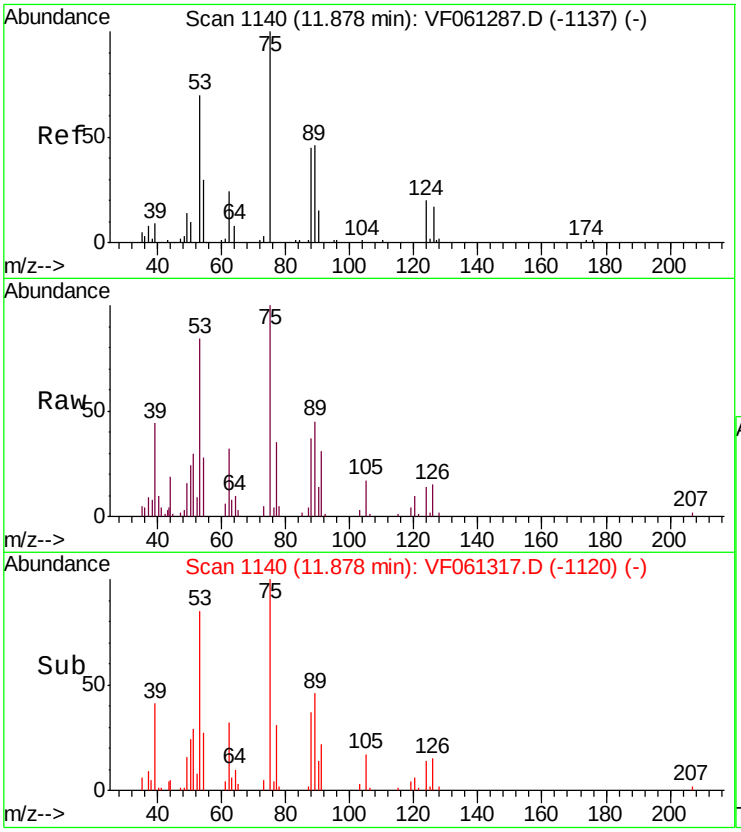




#80
1,3,5-Trimethylbenzene
Concen: 20.692 ug/l
RT: 11.84 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:105 Resp: 240902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.3 | 25.2 | 75.6 |



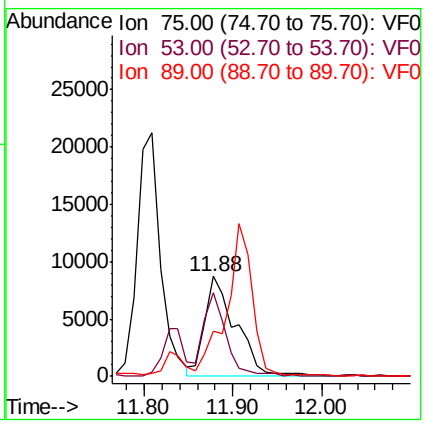


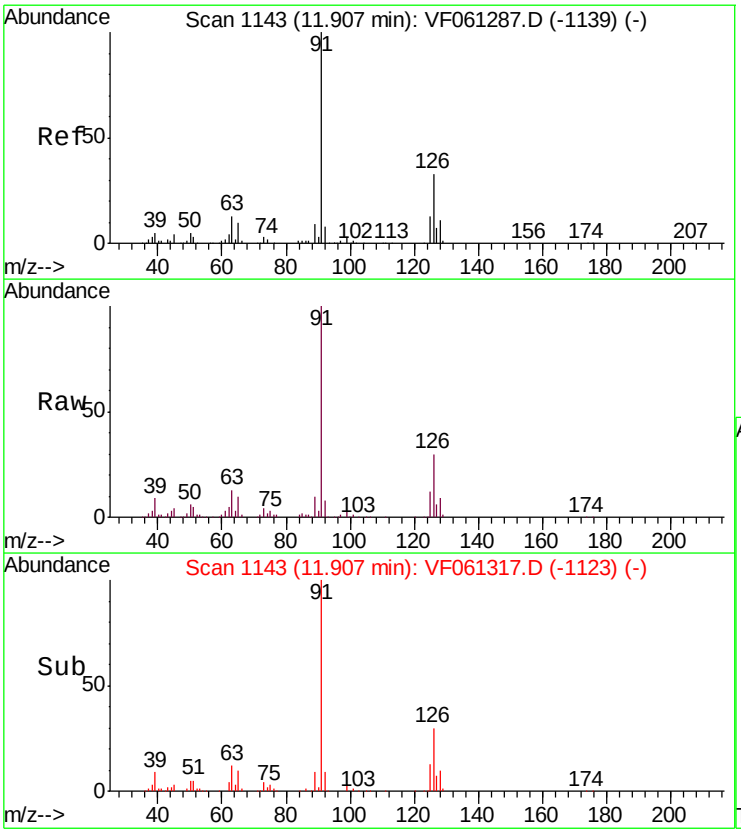

#81
trans-1,4-Dichloro-2-butene
Concen: 28.567 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 75 Resp: 21241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 83.7 | 62.2 | 93.2 |
| 89 | 45.5 | 40.2 | 60.4 |

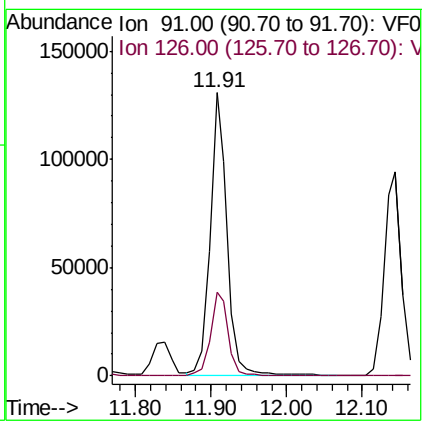


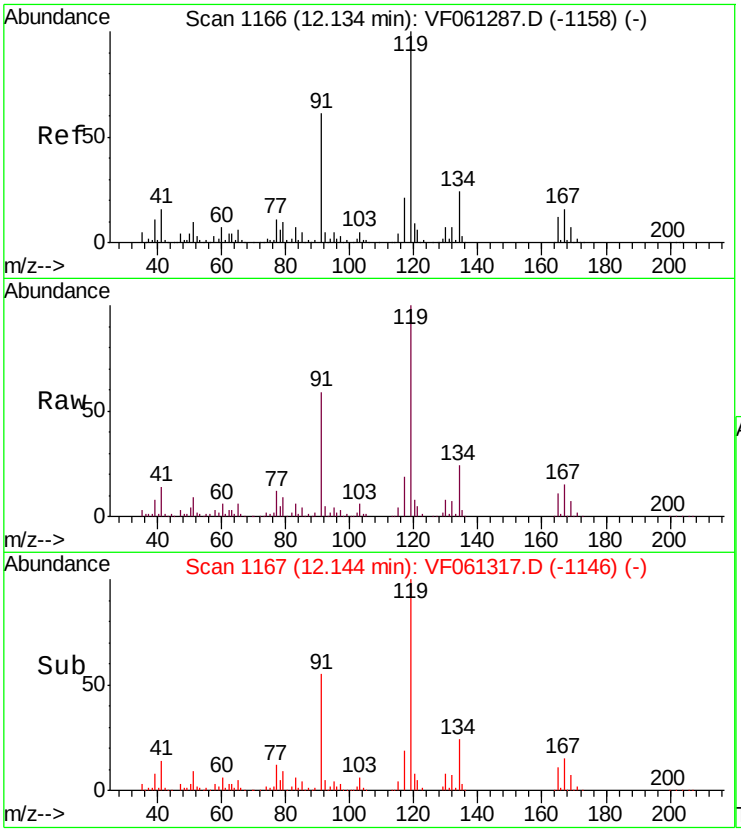




#82
4-Chlorotoluene
Concen: 20.662 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 91 Resp: 204063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.6 | 16.4 | 49.4 |



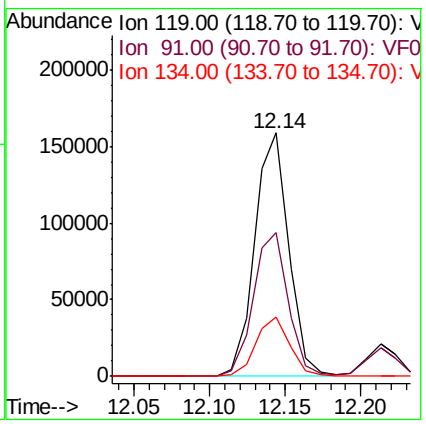


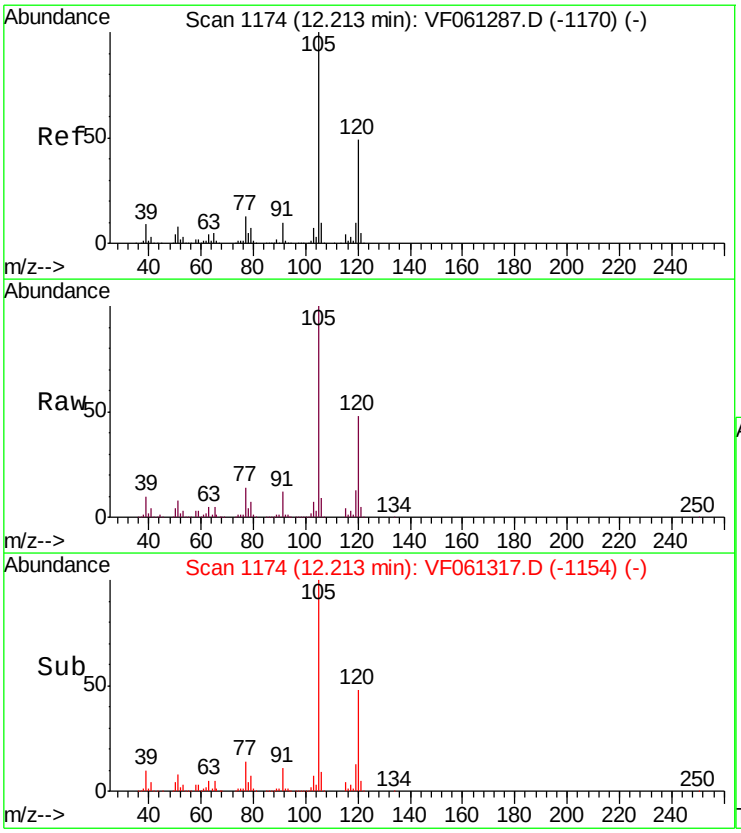

#83
tert-Butylbenzene
Concen: 21.585 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion:119 Resp: 250367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 30.8 | 92.4 |
| 134 | 24.1 | 11.9 | 35.9 |

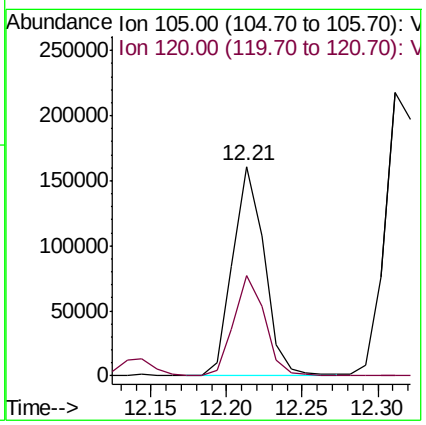


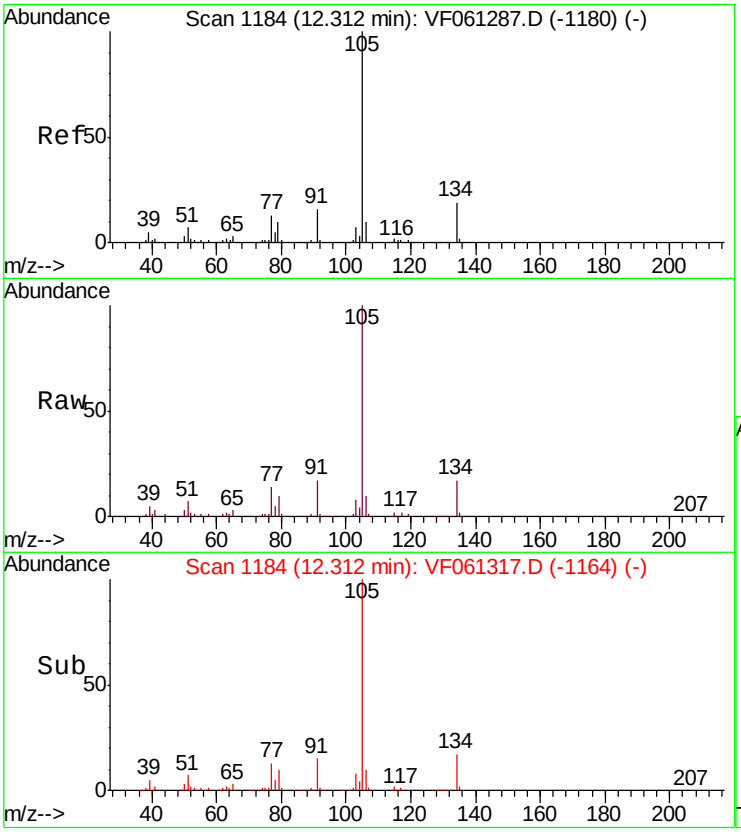




#84
1,2,4-Trimethylbenzene
Concen: 20.242 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:105 Resp: 233977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.7 | 74.1 |



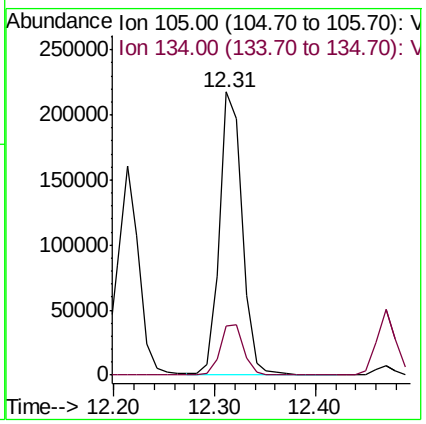


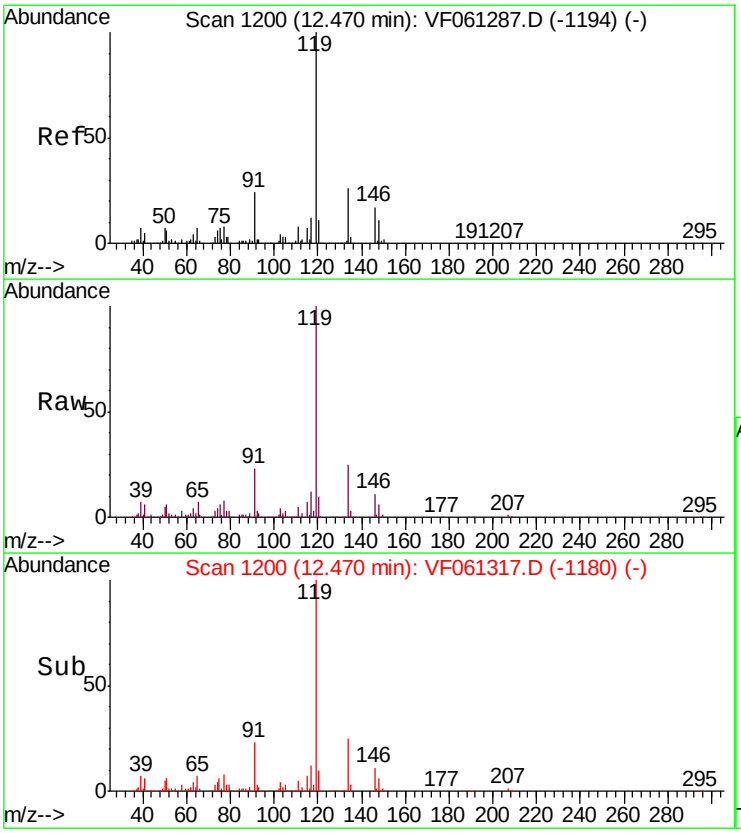

#85
sec-Butylbenzene
Concen: 20.635 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:105 Resp: 340806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.3 | 9.7 | 28.9 |

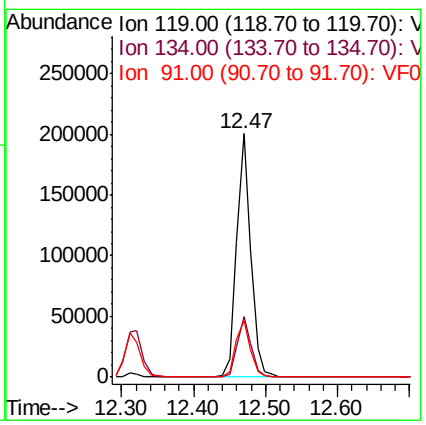


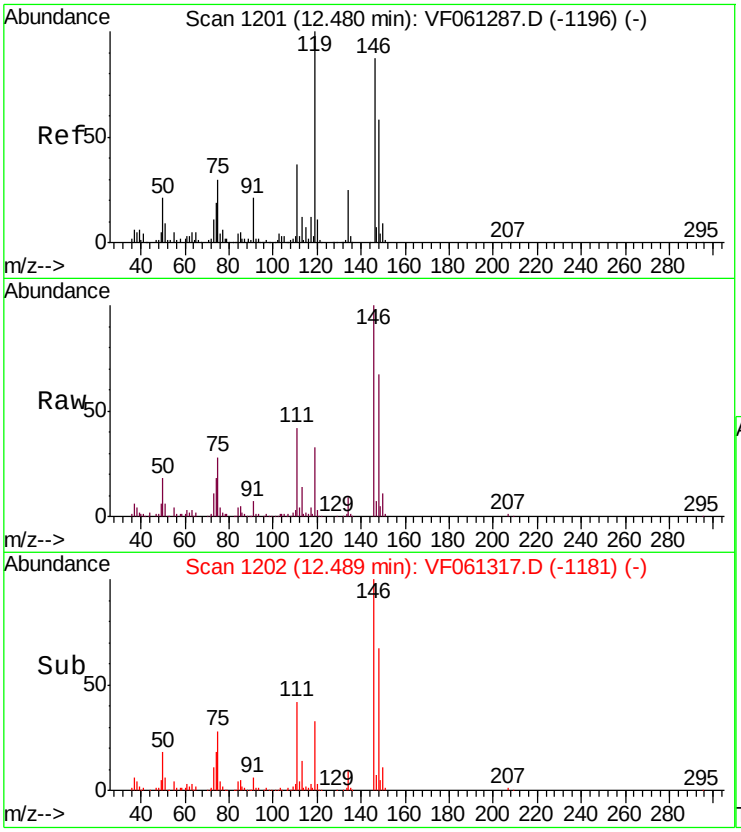




#86
p-Isopropyltoluene
Concen: 20.571 ug/l
RT: 12.47 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:119 Resp: 276345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.0 | 13.0 | 39.0 |
| 91 | 23.2 | 12.2 | 36.4 |



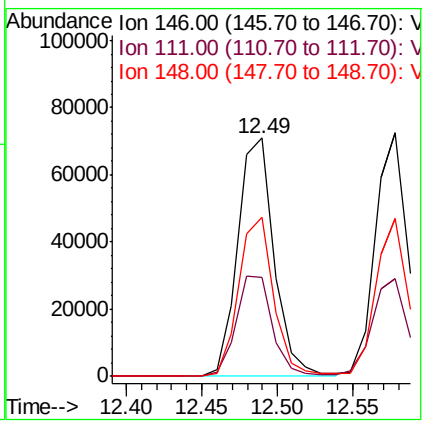


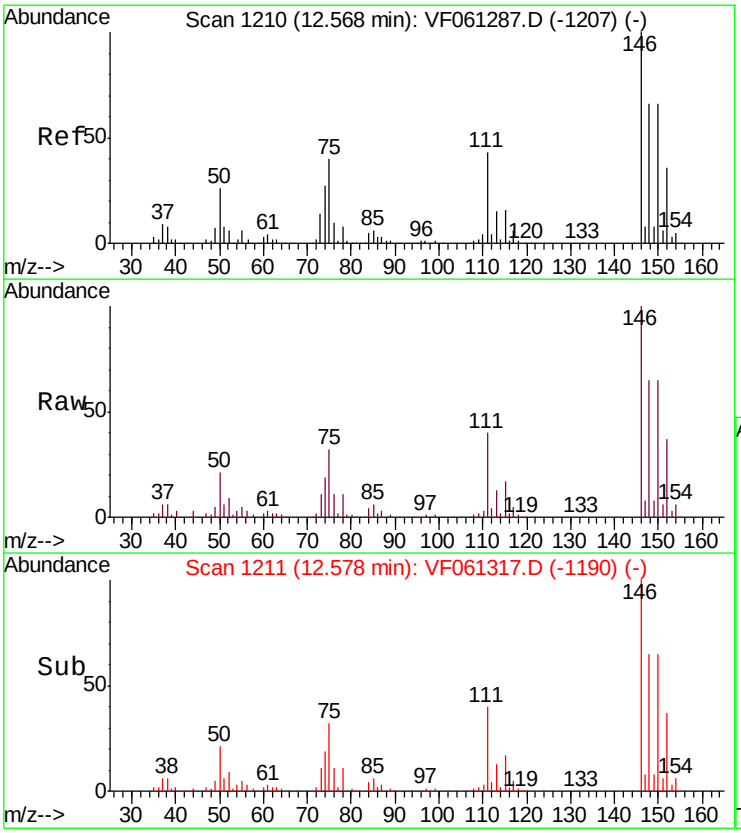

#87
1,3-Dichlorobenzene
Concen: 20.874 ug/l
RT: 12.49 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :** MSVOA_F
**ClientSampleId :** VF0109SBS02

Tgt Ion:146 Resp: 118657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 21.1 | 63.3 |
| 148 | 66.7 | 33.1 | 99.5 |

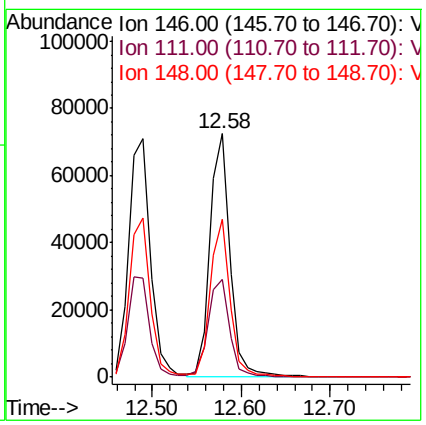


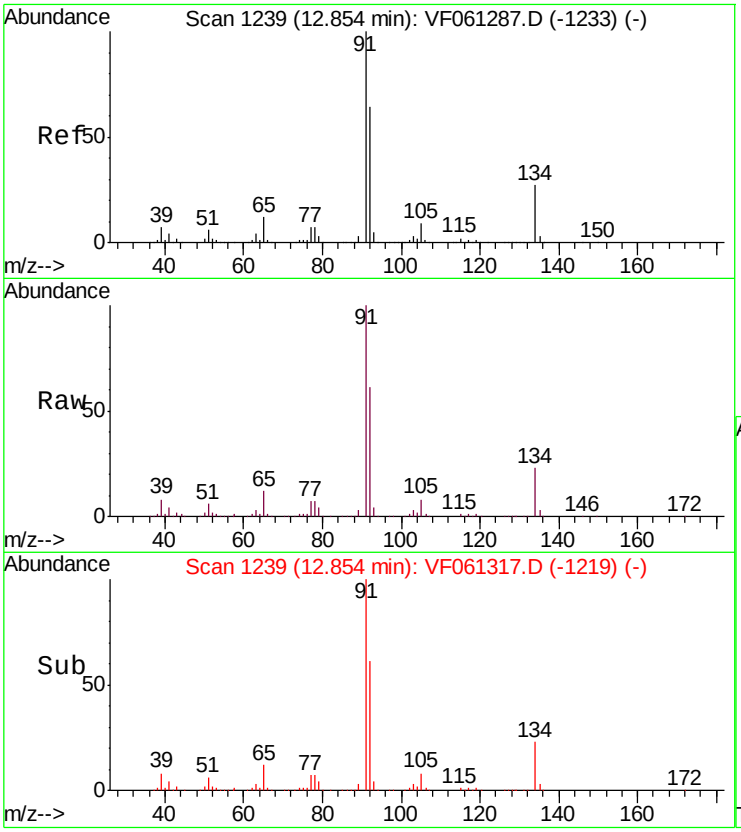




#88
1,4-Dichlorobenzene
Concen: 20.902 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:146 Resp: 114230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.1 | 21.4 | 64.2 |
| 148 | 64.9 | 33.0 | 98.9 |



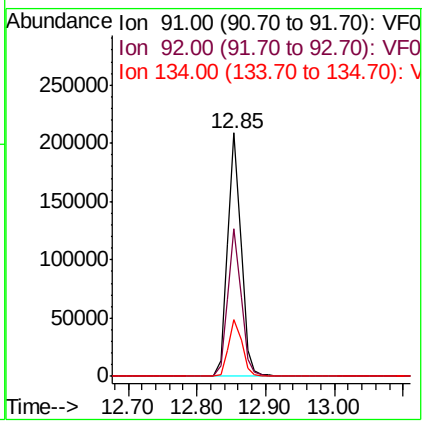


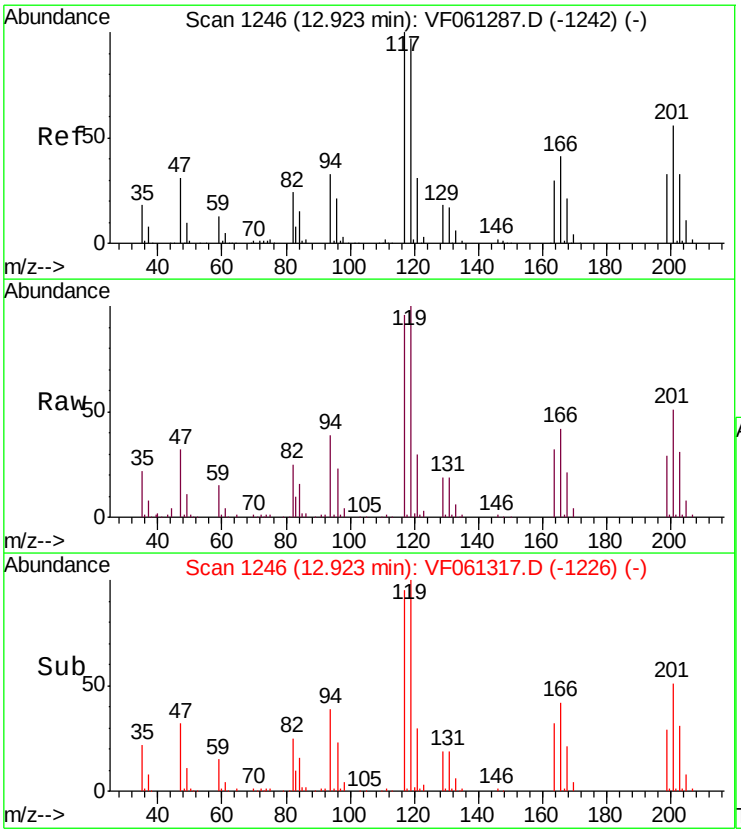

#89
n-Butylbenzene
Concen: 20.672 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion: 91 Resp: 285338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.6 | 32.1 | 96.3 |
| 134 | 23.3 | 13.4 | 40.1 |

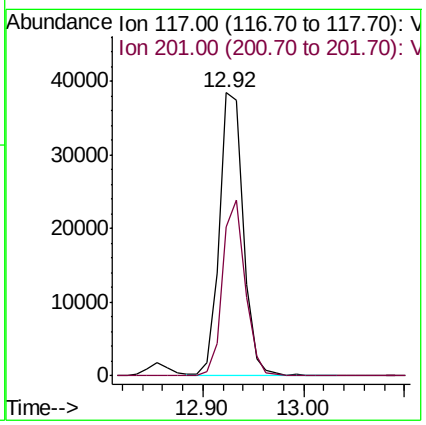


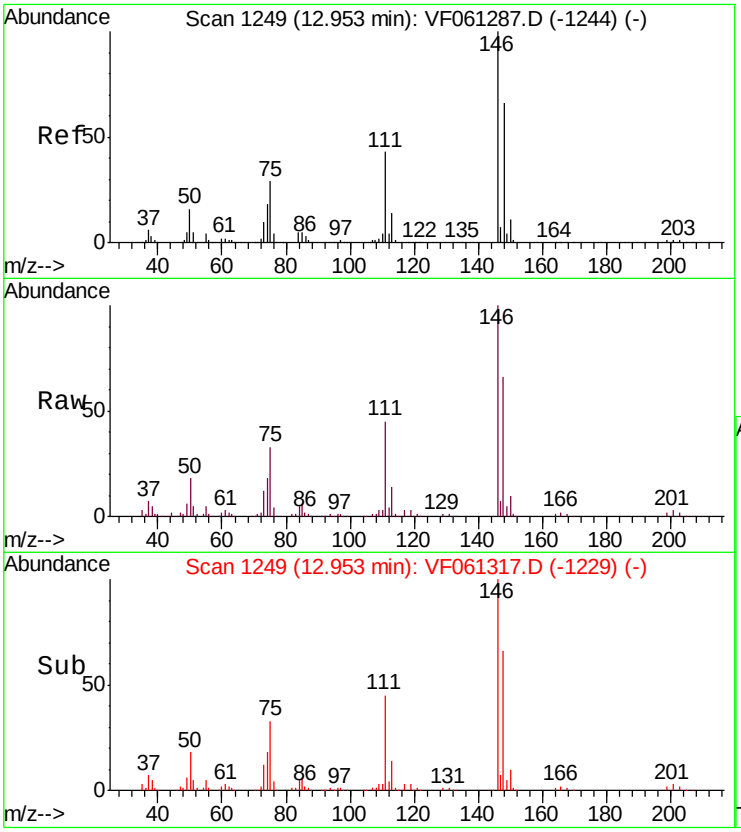




#90
Hexachloroethane
Concen: 20.775 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:117 Resp: 63841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 54.0 | 27.9 | 83.7 |



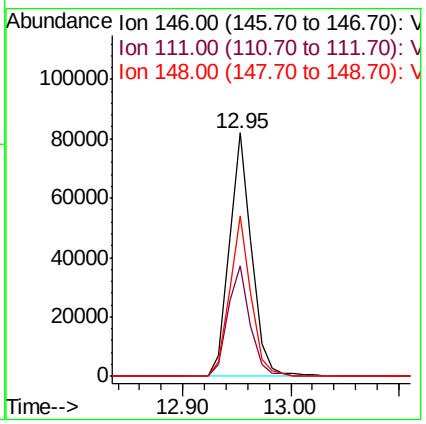


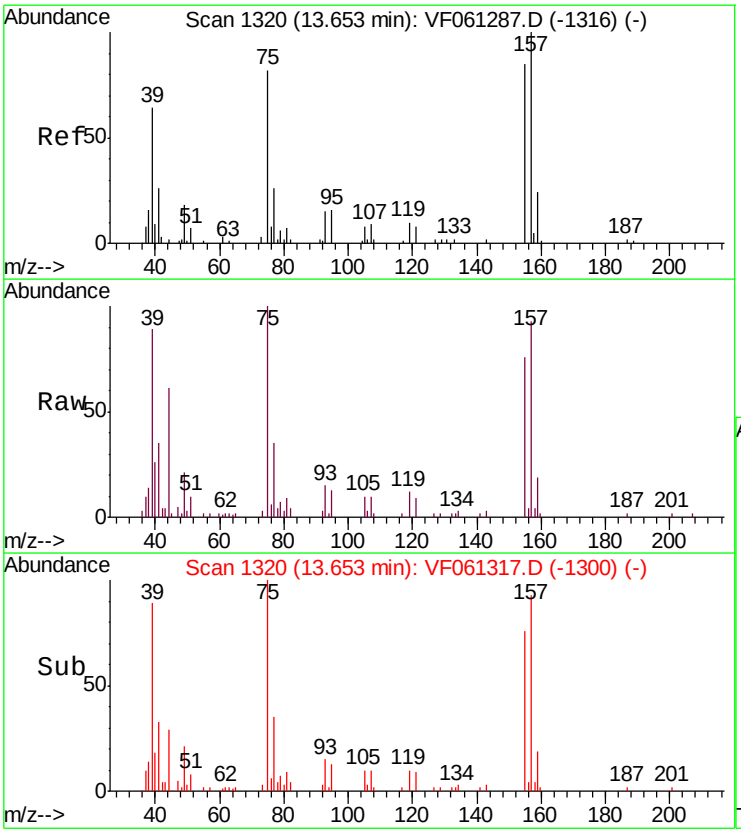

#91
1,2-Dichlorobenzene
Concen: 21.627 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:146 Resp: 117347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.4 | 21.4 | 64.3 |
| 148 | 65.9 | 33.1 | 99.2 |

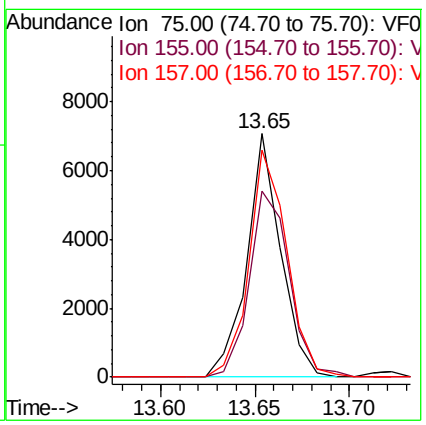


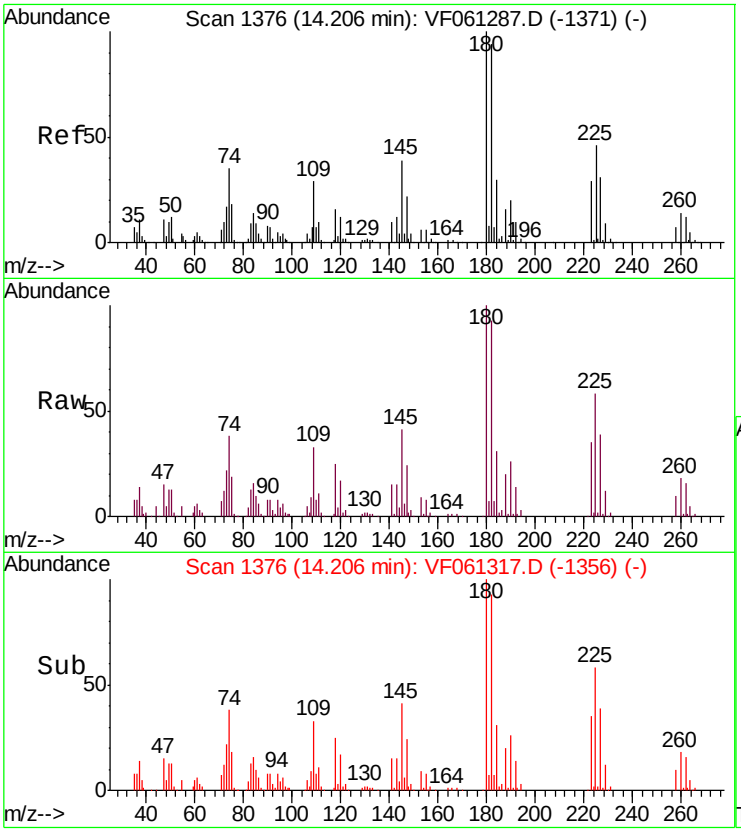




#92
1,2-Dibromo-3-Chloropropane
Concen: 22.506 ug/l
RT: 13.65 min Scan# 1320
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion: 75 Resp: 8822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 76.3 | 51.3 | 154.0 |
| 157 | 93.5 | 60.7 | 182.0 |



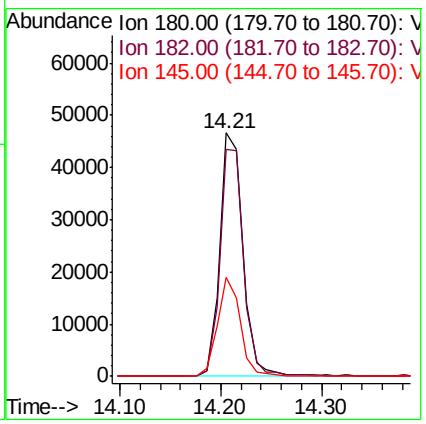


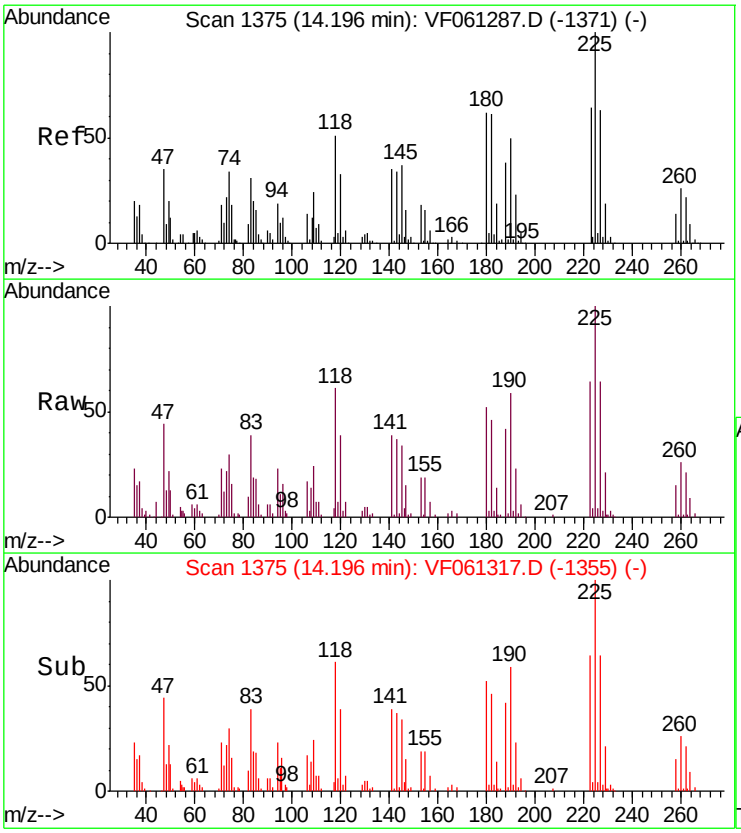

#93
1,2,4-Trichlorobenzene
Concen: 20.023 ug/l
RT: 14.21 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:180 Resp: 74763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 47.0 | 141.2 |
| 145 | 40.8 | 19.7 | 59.1 |

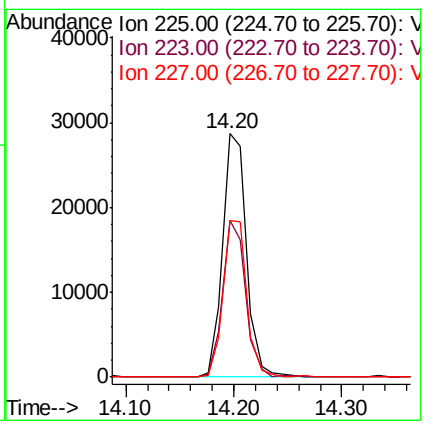


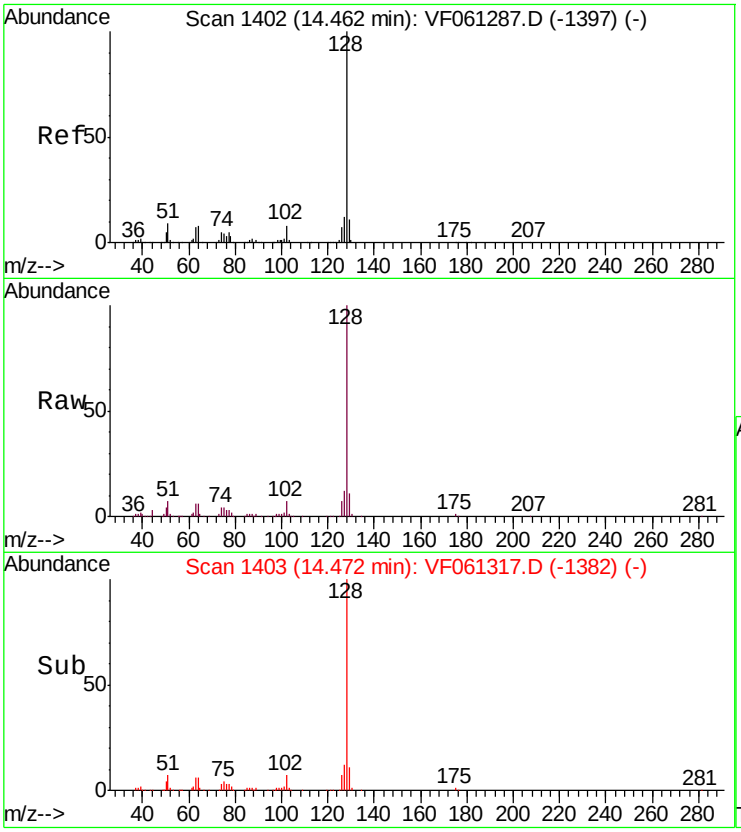




#94
Hexachlorobutadiene
Concen: 18.337 ug/l
RT: 14.20 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:225 Resp: 44077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.2 | 31.8 | 95.4 |
| 227 | 64.1 | 31.3 | 93.9 |



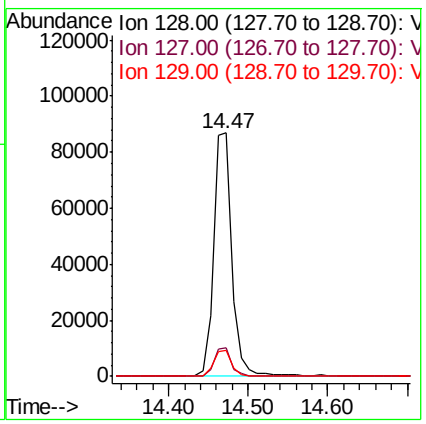


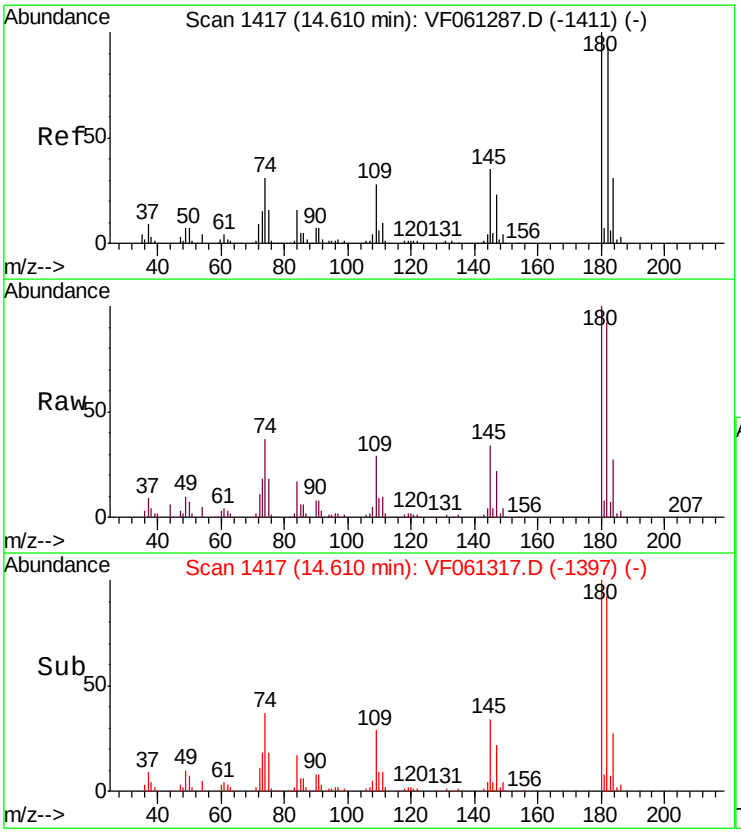

#95
Naphthalene
Concen: 19.975 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0109SBS02

Tgt Ion:128 Resp: 140549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.8 | 9.4 | 14.0 |
| 129 | 10.8 | 8.8 | 13.2 |




#96
1,2,3-Trichlorobenzene
Concen: 19.326 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061317.D
Acq: 10 Jan 2019 00:48

Tgt Ion:180 Resp: 67973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.7 | 46.5 | 139.3 |
| 145 | 34.4 | 17.5 | 52.6 |