Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
Data File : VF061823.D
Acq On : 4 Mar 2019 16:33
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Quant Time: Mar 05 04:36:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.88 | 168 | 334530 | 50.00 | ug/l | | -0.01 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 491479 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.78 | 117 | 429765 | 50.00 | ug/l | | -0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 241988 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 23915 | 9.75 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 19.50% | | | | |
| 35) Dibromofluoromethane | 4.12 | 113 | 36303 | 9.95 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 19.90% | | | | |
| 50) Toluene-d8 | 7.56 | 98 | 105844 | 10.09 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 20.18% | | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 43255 | 10.19 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 20.38% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.96 | 85 | 45529 | 11.851 | ug/l | | 99 |
| 3) Chloromethane | 1.10 | 50 | 41616 | 10.325 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.14 | 62 | 39202 | 10.462 | ug/l | | 93 |
| 5) Bromomethane | 1.32 | 94 | 27569 | 10.690 | ug/l | | 92 |
| 6) Chloroethane | 1.40 | 64 | 19012 | 10.296 | ug/l | | 89 |
| 7) Trichlorofluoromethane | 1.49 | 101 | 47535 | 10.518 | ug/l | | 85 |
| 8) Diethyl Ether | 1.63 | 74 | 10906 | 9.575 | ug/l | | 85 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.84 | 101 | 32425 | 9.945 | ug/l | # | 94 |
| 10) Methyl Iodide | 1.90 | 142 | 47642 | 7.649 | ug/l | | 91 |
| 11) Tert butyl alcohol | 2.58 | 59 | 7457 | 52.524 | ug/l | | 96 |
| 12) 1,1-Dichloroethene | 1.80 | 96 | 31055 | 10.833 | ug/l | | 98 |
| 13) Acrolein | 2.01 | 56 | 8688 | 48.690 | ug/l | | 94 |
| 14) Allyl chloride | 2.10 | 41 | 31646 | 8.996 | ug/l | | 91 |
| 15) Acrylonitrile | 2.95 | 53 | 20102 | 39.918 | ug/l | # | 84 |
| 16) Acetone | 2.25 | 43 | 25638 | 48.710 | ug/l | | 93 |
| 17) Carbon Disulfide | 1.77 | 76 | 13321 | 1.478 | ug/l | | 96 |
| 18) Methyl Acetate | 2.35 | 43 | 14240 | 12.010 | ug/l | # | 88 |
| 19) Methyl tert-butyl Ether | 2.44 | 73 | 45452 | 9.278 | ug/l | | 98 |
| 20) Methylene Chloride | 2.19 | 84 | 16680 | 5.246 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 2.31 | 96 | 28817 | 9.247 | ug/l | | 92 |
| 22) Diisopropyl ether | 2.81 | 45 | 81041 | 9.598 | ug/l | | 92 |
| 23) Vinyl Acetate | 3.19 | 43 | 178428 | 43.264 | ug/l | # | 93 |
| 24) 1,1-Dichloroethane | 2.88 | 63 | 51415 | 10.062 | ug/l | | 98 |
| 25) 2-Butanone | 4.36 | 43 | 52214 | 45.416 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 3.61 | 77 | 22419 | 10.358 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 3.49 | 96 | 35701 | 8.728 | ug/l | | 98 |
| 28) Bromochloromethane | 3.72 | 49 | 22136 | 9.029 | ug/l | | 93 |
| 29) Tetrahydrofuran | 4.09 | 42 | 22879 | 43.784 | ug/l | | 93 |
| 30) Chloroform | 3.87 | 83 | 56194 | 9.670 | ug/l | | 95 |
| 31) Cyclohexane | 3.70 | 56 | 53874 | 9.739 | ug/l | | 86 |
| 32) 1,1,1-Trichloroethane | 4.11 | 97 | 33833 | 8.888 | ug/l | | 95 |
| 36) 1,1-Dichloropropene | 4.29 | 75 | 46522 | 9.555 | ug/l | | 91 |
| 37) Ethyl Acetate | 4.12 | 43 | 19328 | 8.547 | ug/l | # | 79 |
| 38) Carbon Tetrachloride | 3.99 | 117 | 33534 | 9.975 | ug/l | | 87 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
Data File : VF061823.D
Acq On : 4 Mar 2019 16:33
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Quant Time: Mar 05 04:36:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.46 | 83 | 55877 | 9.704 ug/l | # | 90 |
| 40) Benzene | 4.64 | 78 | 125931 | 9.889 ug/l | | 100 |
| 41) Methacrylonitrile | 4.75 | 41 | 10592 | 9.159 ug/l | | 90 |
| 42) 1,2-Dichloroethane | 4.95 | 62 | 31535 | 10.352 ug/l | | 92 |
| 43) Isopropyl Acetate | 6.97 | 43 | 23251 | 8.686 ug/l | # | 89 |
| 44) Trichloroethene | 5.51 | 130 | 38237 | 9.285 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 6.24 | 63 | 27959 | 9.083 ug/l | # | 86 |
| 46) Dibromomethane | 6.09 | 93 | 18406 | 9.711 ug/l | # | 83 |
| 47) Bromodichloromethane | 6.39 | 83 | 40471 | 9.751 ug/l | | 96 |
| 48) Methyl methacrylate | 6.72 | 41 | 15080 | 9.361 ug/l | | 95 |
| 49) 1,4-Dioxane | 6.72 | 88 | 2651 | 175.066 ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.26 | 43 | 89023 | 46.544 ug/l | | 99 |
| 52) Toluene | 7.63 | 92 | 73332 | 9.495 ug/l | | 87 |
| 53) t-1,3-Dichloropropene | 8.28 | 75 | 33513 | 9.702 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 7.30 | 75 | 45209 | 9.826 ug/l | | 91 |
| 55) 1,1,2-Trichloroethane | 8.50 | 97 | 21084 | 9.291 ug/l | | 97 |
| 56) Ethyl methacrylate | 8.63 | 69 | 24191 | 9.575 ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 8.86 | 76 | 32604 | 8.608 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 7.30 | 63 | 18219 | 41.796 ug/l | | 92 |
| 59) 2-Hexanone | 9.50 | 43 | 61911 | 46.178 ug/l | | 98 |
| 60) Dibromochloromethane | 8.72 | 129 | 27930 | 8.843 ug/l | | 85 |
| 61) 1,2-Dibromoethane | 8.99 | 107 | 22244 | 9.038 ug/l | | 87 |
| 64) Tetrachloroethene | 8.16 | 164 | 33990 | 9.676 ug/l | | 95 |
| 65) Chlorobenzene | 9.81 | 112 | 81047 | 9.293 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 9.94 | 131 | 32118 | 9.399 ug/l | | 97 |
| 67) Ethyl Benzene | 9.91 | 91 | 141356 | 9.747 ug/l | | 99 |
| 68) m/p-Xylenes | 10.13 | 106 | 110241 | 19.862 ug/l | | 90 |
| 69) o-Xylene | 10.72 | 106 | 57646 | 9.733 ug/l | | 86 |
| 70) Styrene | 10.79 | 104 | 81478 | 9.725 ug/l | | 97 |
| 71) Bromoform | 10.77 | 173 | 16586 | 8.938 ug/l | | 98 |
| 73) Isopropylbenzene | 11.13 | 105 | 164948 | 9.574 ug/l | | 99 |
| 74) N-amyl acetate | 11.38 | 43 | 38877 | 9.401 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.70 | 83 | 26038 | 8.436 ug/l | | 91 |
| 76) 1,2,3-Trichloropropane | 11.80 | 75 | 18793 | 8.955 ug/l | | 89 |
| 77) Bromobenzene | 11.50 | 156 | 40016 | 9.401 ug/l | | 95 |
| 78) n-propylbenzene | 11.60 | 91 | 197006 | 9.964 ug/l | | 95 |
| 79) 2-Chlorotoluene | 11.72 | 91 | 111418 | 10.062 ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 11.83 | 105 | 138446 | 10.054 ug/l | | 93 |
| 81) trans-1,4-Dichloro-2-buten | 11.88 | 75 | 10287 | 10.225 ug/l | # | 85 |
| 82) 4-Chlorotoluene | 11.90 | 91 | 114798 | 9.989 ug/l | | 89 |
| 83) tert-Butylbenzene | 12.14 | 119 | 150366 | 9.859 ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 12.20 | 105 | 129255 | 9.448 ug/l | | 94 |
| 85) sec-Butylbenzene | 12.31 | 105 | 186021 | 9.432 ug/l | | 96 |
| 86) p-Isopropyltoluene | 12.46 | 119 | 166803 | 10.077 ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 12.48 | 146 | 82865 | 9.986 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.57 | 146 | 75218 | 9.426 ug/l | | 98 |
| 89) n-Butylbenzene | 12.85 | 91 | 159279 | 10.190 ug/l | | 99 |
| 90) Hexachloroethane | 12.92 | 117 | 36454 | 9.469 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.94 | 146 | 73824 | 9.354 ug/l | | 91 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.64 | 75 | 4023 | 8.221 ug/l | | 86 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061823.D
Acq On : 4 Mar 2019 16:33
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Quant Time: Mar 05 04:36:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.21 | 180 | 52480 | 9.277 ug/l | 98 |
| 94) Hexachlorobutadiene | 14.20 | 225 | 33176 | 9.496 ug/l | 96 |
| 95) Naphthalene | 14.46 | 128 | 82593 | 8.344 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 14.61 | 180 | 44130 | 8.499 ug/l | 98 |

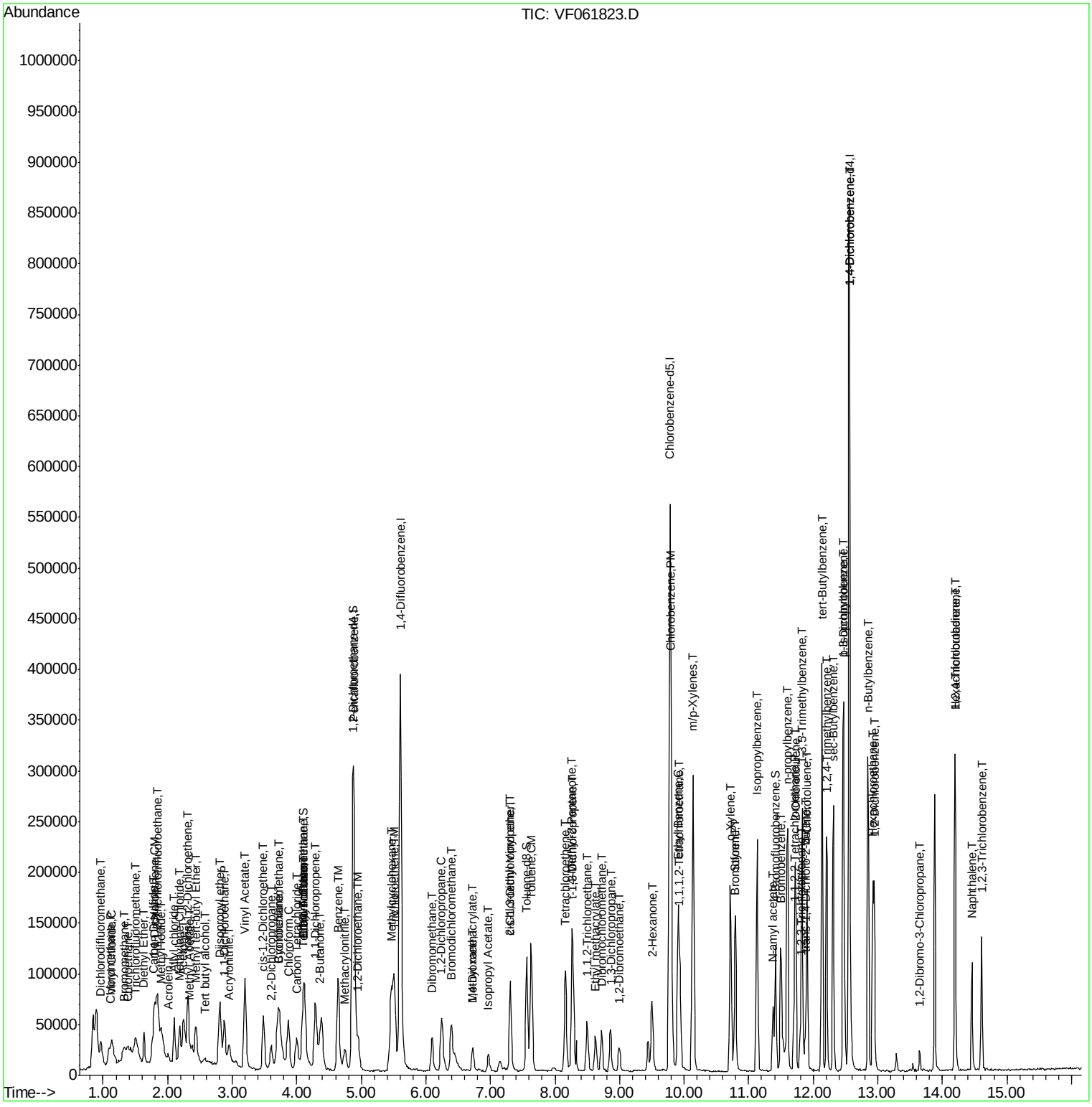
(#) = qualifier out of range (m) = manual integration (+) = signals summed

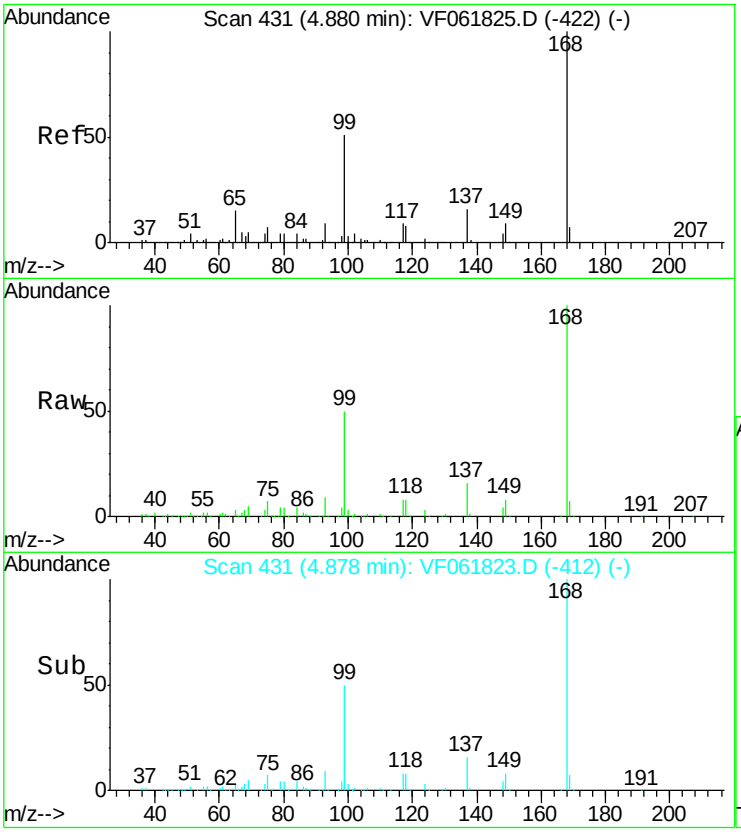
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
Data File : VF061823.D
Acq On : 4 Mar 2019 16:33
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Quant Time: Mar 05 04:36:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration



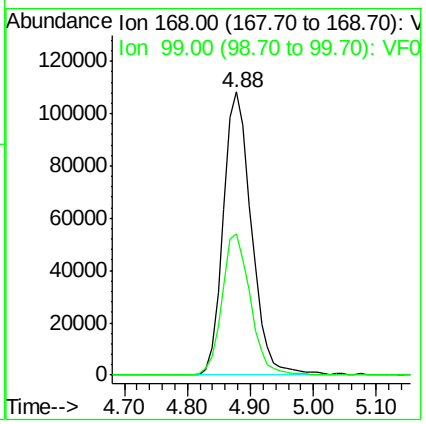


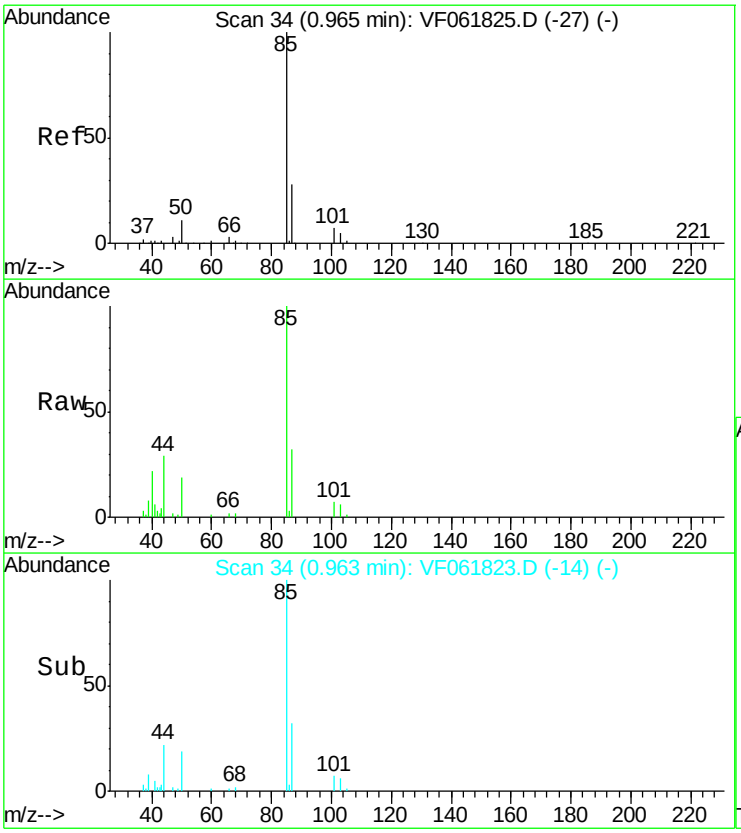

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:168 Resp: 334530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.7 | 34.9 | 52.3 |

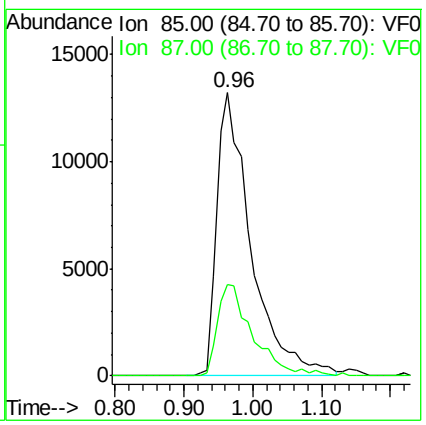


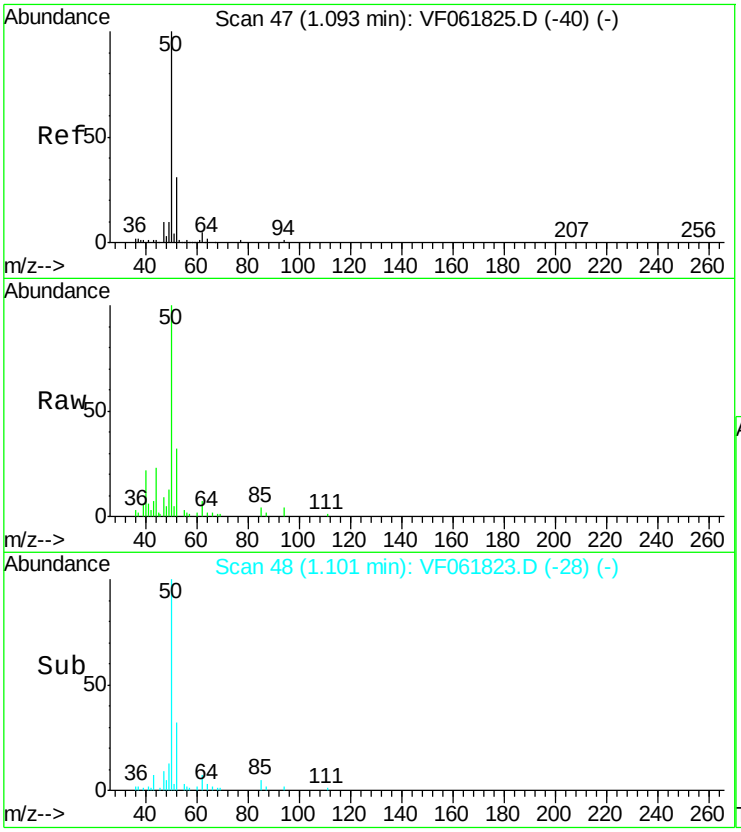




#2
Dichlorodifluoromethane
Concen: 11.851 ug/l
RT: 0.96 min Scan# 34
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 85 Resp: 45529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 16.1 | 48.2 |



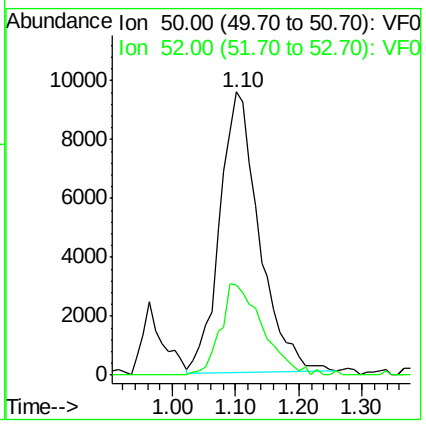


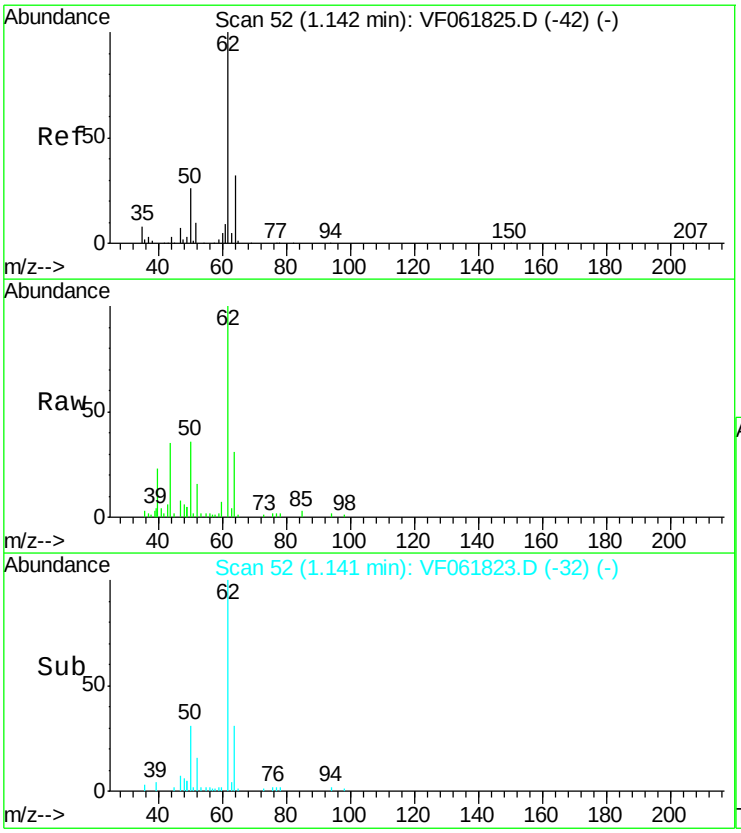

#3
Chloromethane
Concen: 10.325 ug/l
RT: 1.10 min Scan# 48
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 50 Resp: 41616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.2 | 39.4 |

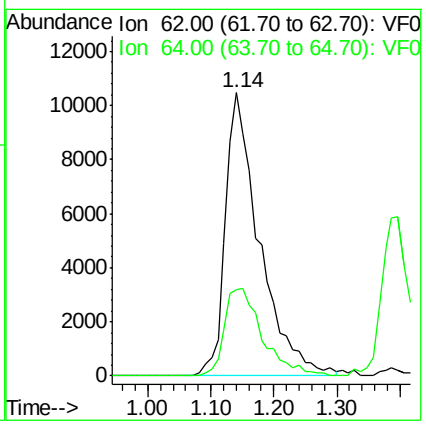


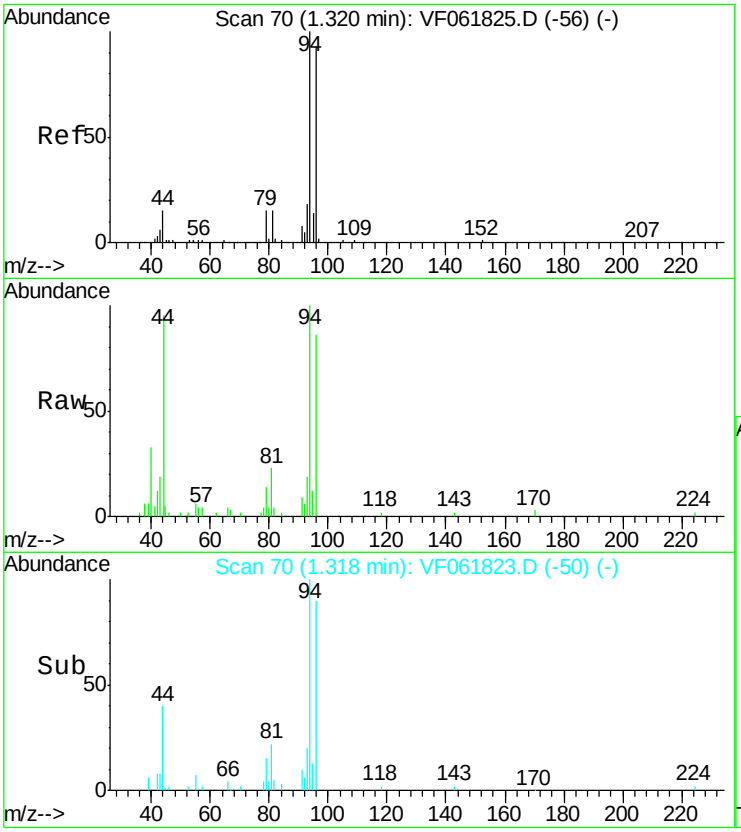




#4
Vinyl Chloride
Concen: 10.462 ug/l
RT: 1.14 min Scan# 52
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 62 Resp: 39202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.5 | 27.5 | 41.3 |



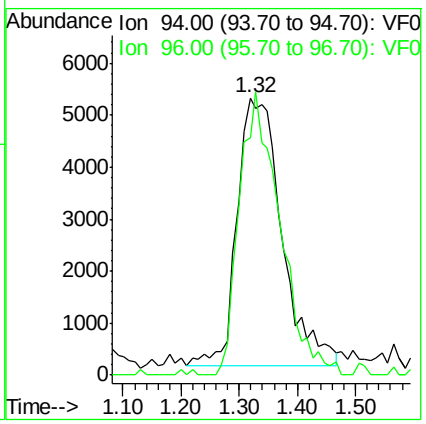


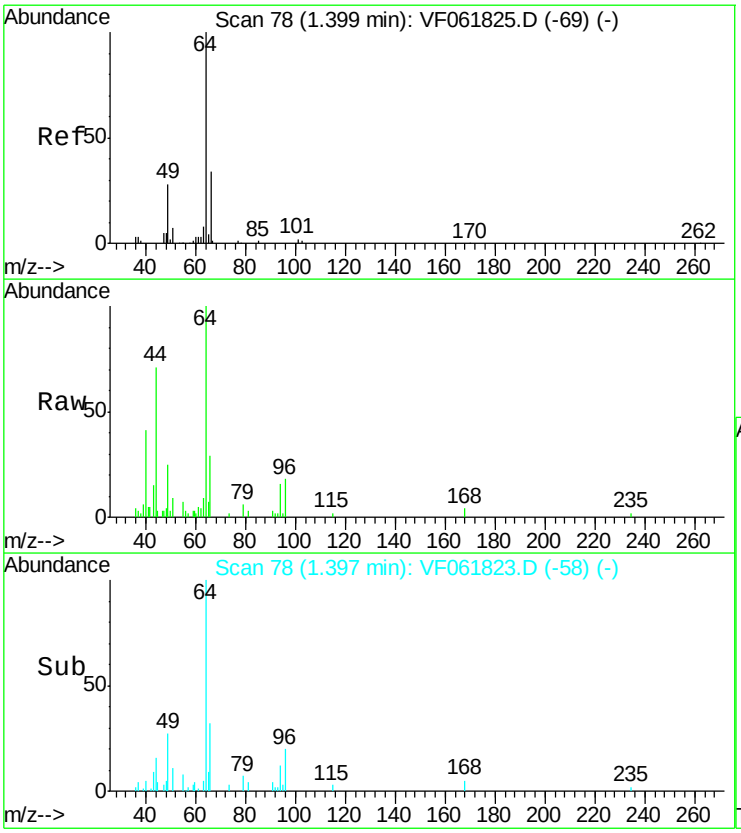

#5
Bromomethane
Concen: 10.690 ug/l
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 94 Resp: 27569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.8 | 74.6 | 112.0 |

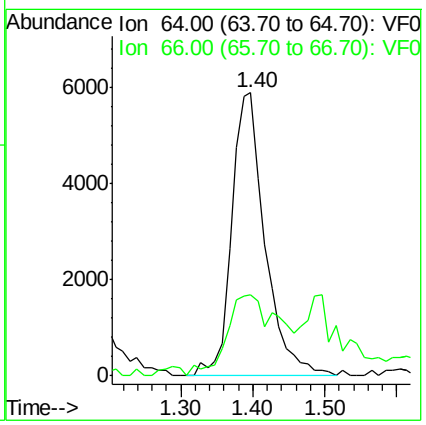


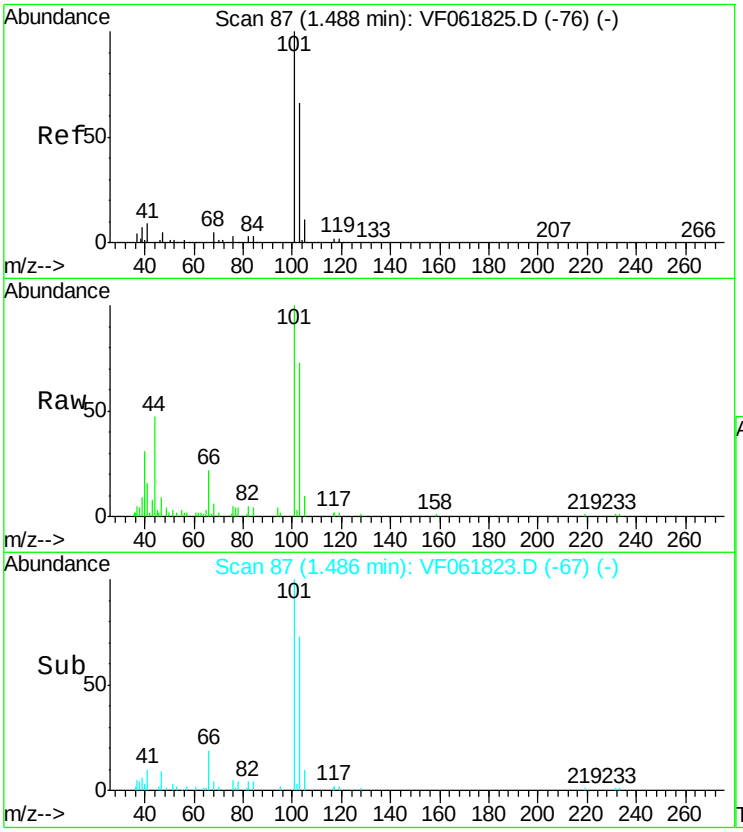




#6
Chloroethane
Concen: 10.296 ug/l
RT: 1.40 min Scan# 78
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 64 Resp: 19012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 28.7 | 27.9 | 41.9 |



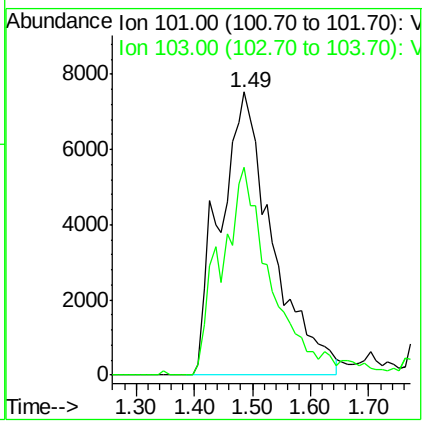


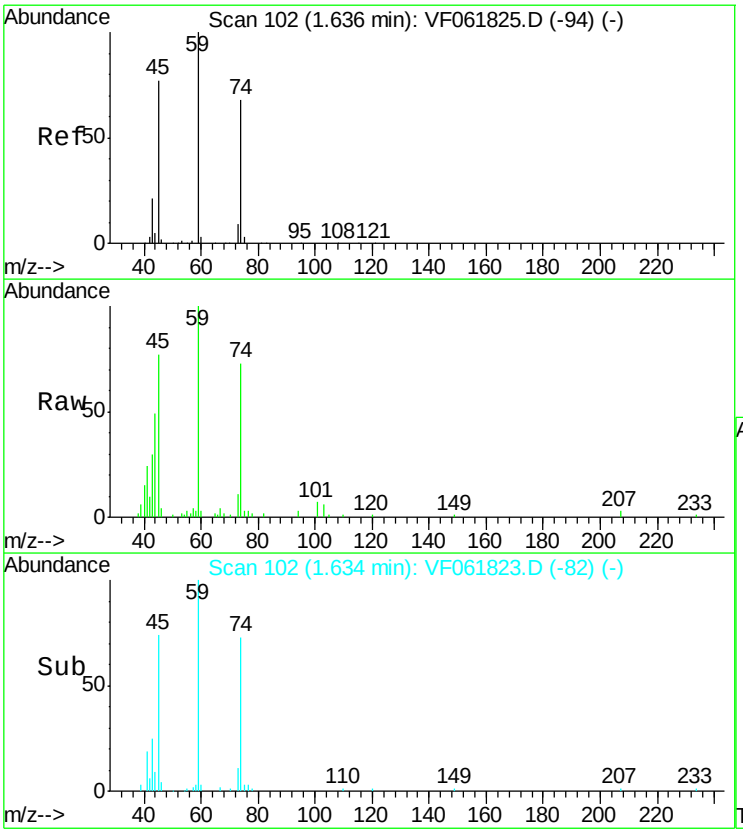

#7
Trichlorofluoromethane
Concen: 10.518 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 47535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 73.4 | 49.3 | 73.9 |

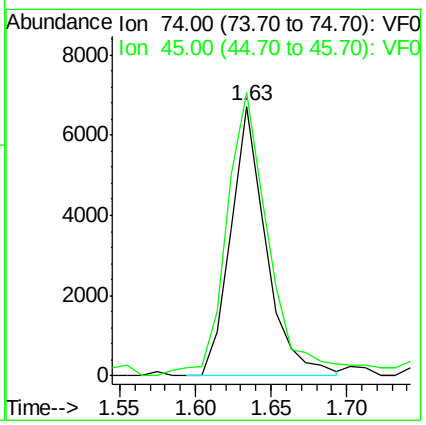


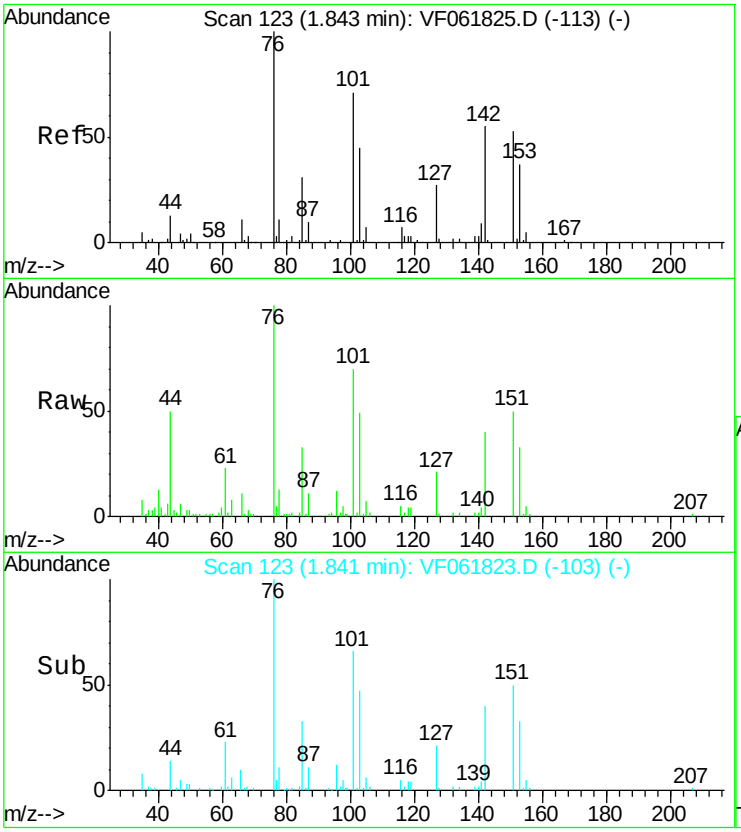




#8
Diethyl Ether
Concen: 9.575 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 74 Resp: 10906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.9 | 60.8 | 182.3 |



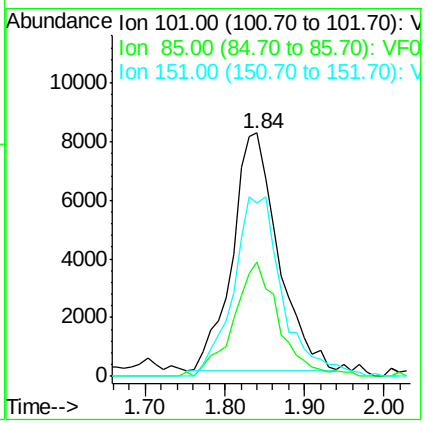


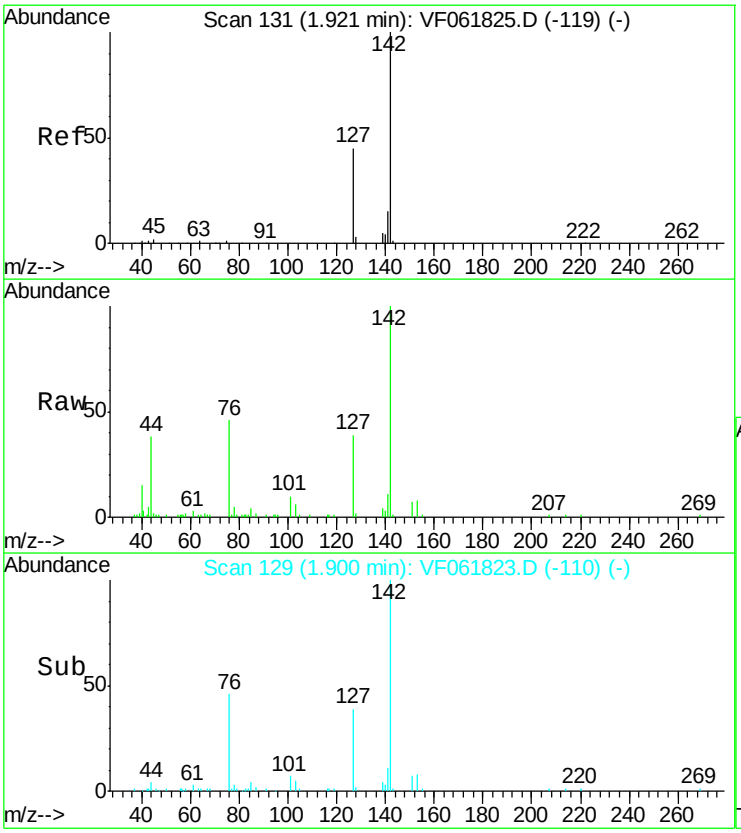

#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.945 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:101 Resp: 32425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 29.8 | 44.6# |
| 151 | 70.9 | 56.3 | 84.5 |

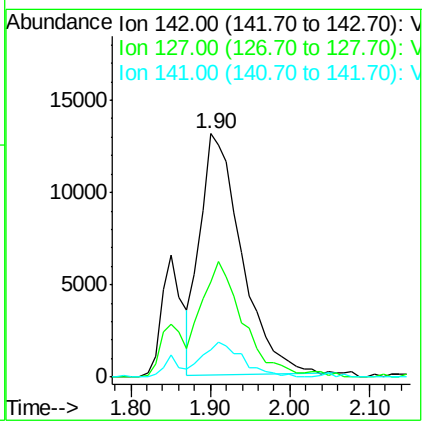


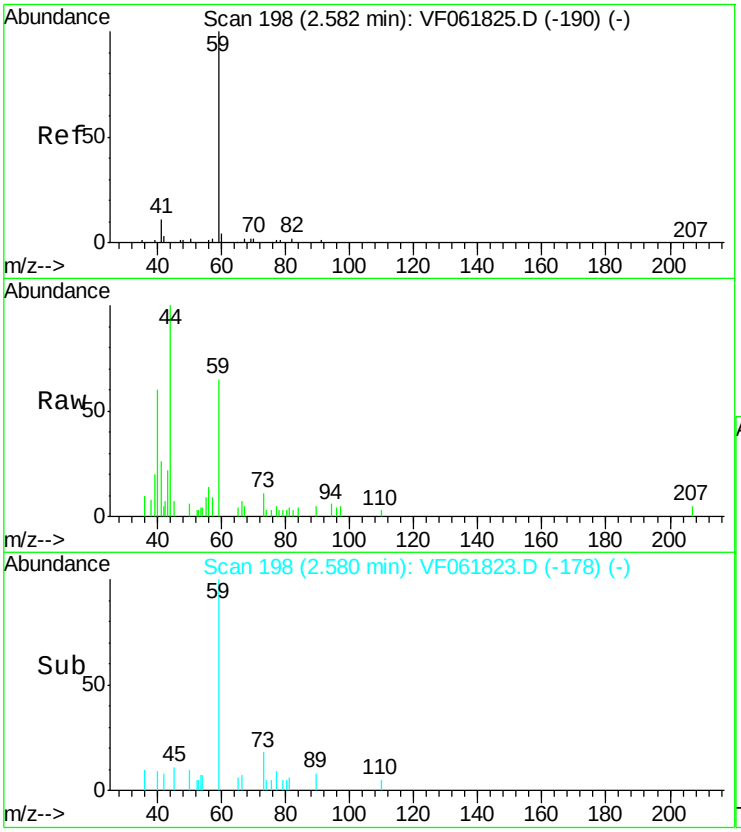




#10
Methyl Iodide
Concen: 7.649 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:142 Resp: 47642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 39.0 | 36.6 | 55.0 |
| 141 | 11.3 | 11.0 | 16.6 |



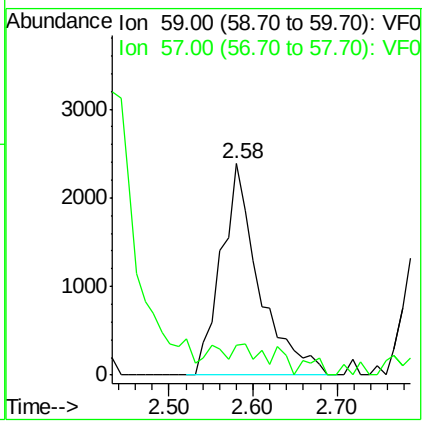


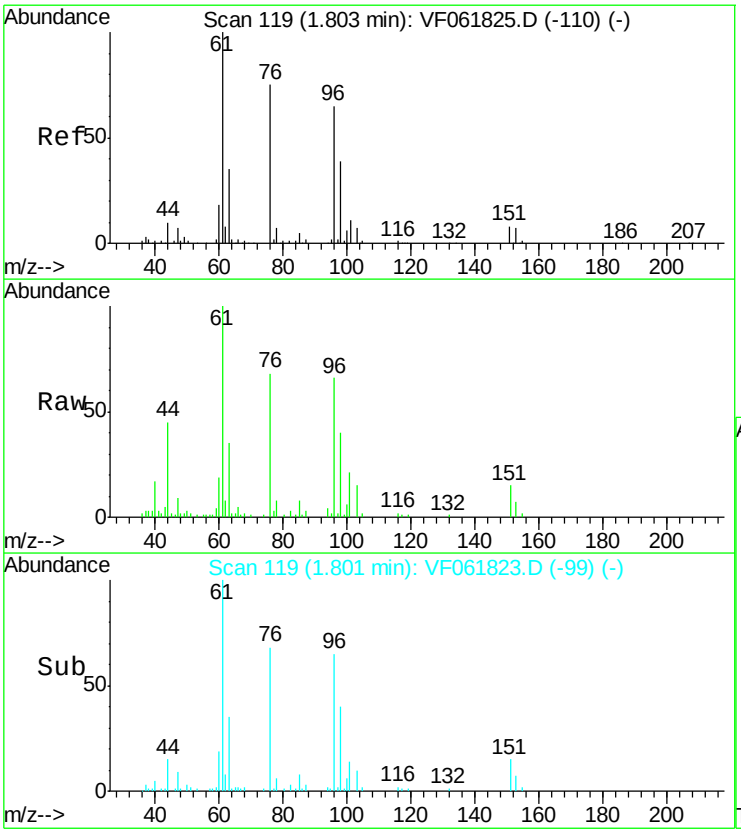

#11
Tert butyl alcohol
Concen: 52.524 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 59 Resp: 7457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 13.9 | 12.5 | 18.7 |

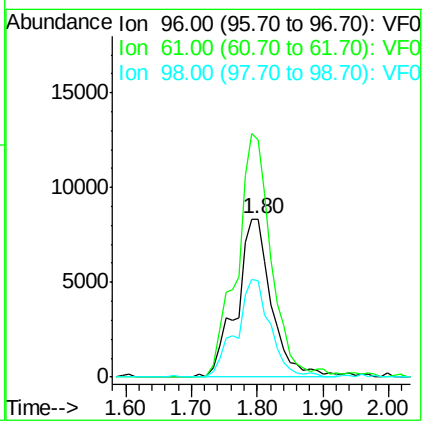


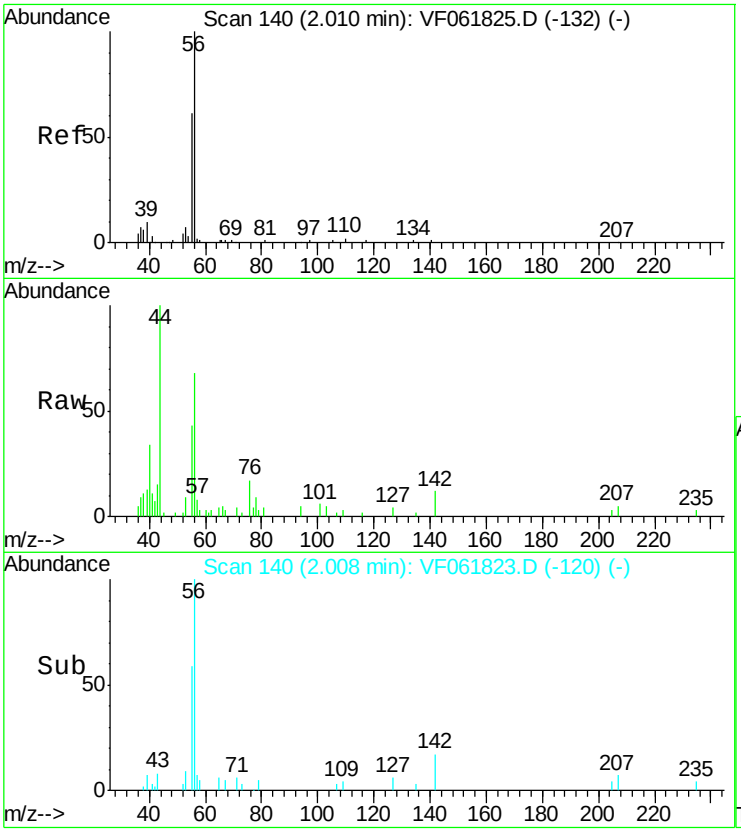




#12
1,1-Dichloroethene
Concen: 10.833 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 96 Resp: 31055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.6 | 122.6 | 184.0 |
| 98 | 60.8 | 47.2 | 70.8 |



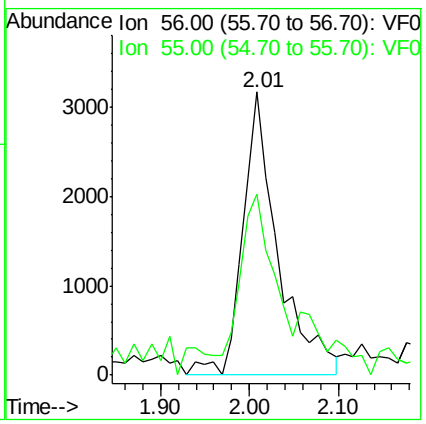


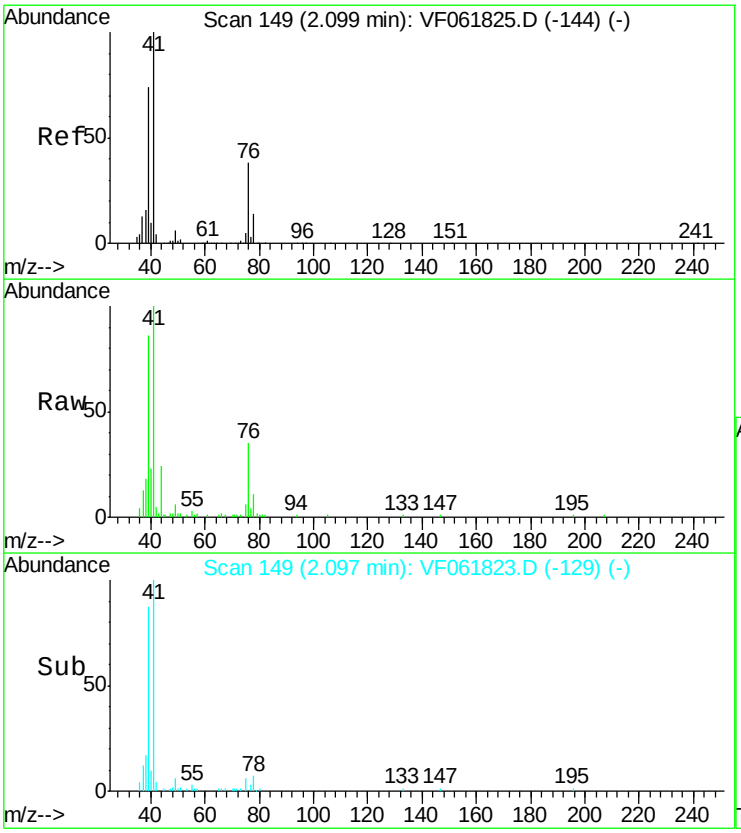

#13
Acrolein
Concen: 48.690 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 56 Resp: 8688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 63.8 | 55.0 | 82.6 |

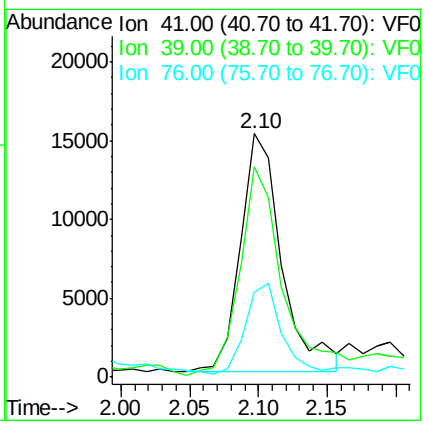


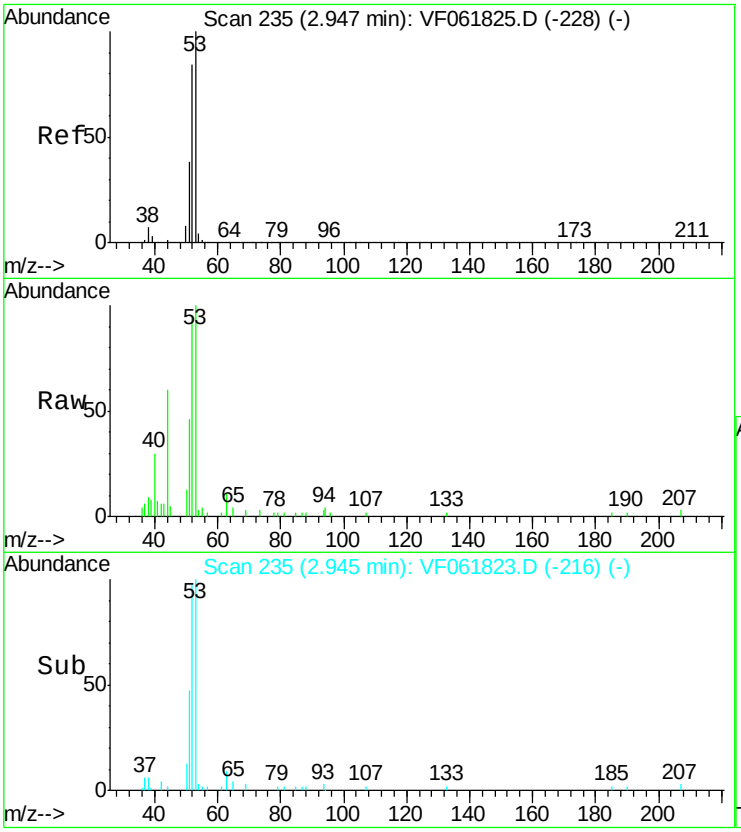




#14
Allyl chloride
Concen: 8.996 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 41 Resp: 31646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 86.3 | 61.6 | 92.4 |
| 76 | 34.9 | 30.3 | 45.5 |



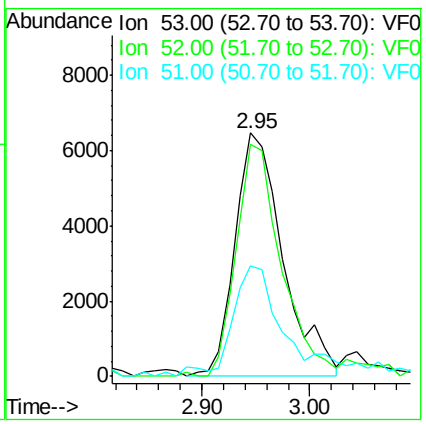


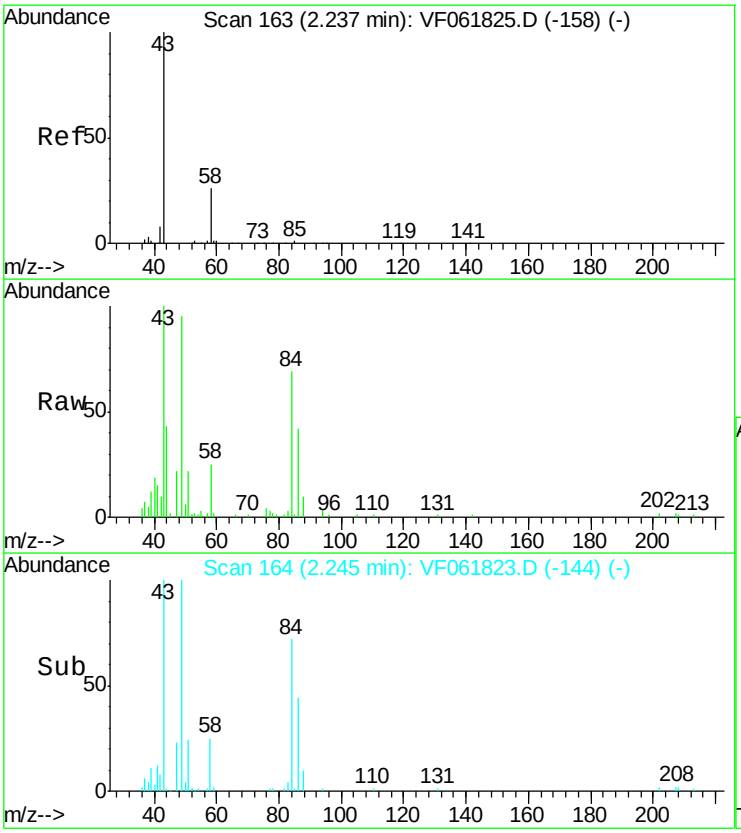

#15
Acrylonitrile
Concen: 39.918 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 53 Resp: 20102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 95.3 | 64.6 | 97.0 |
| 51 | 45.6 | 29.8 | 44.8# |

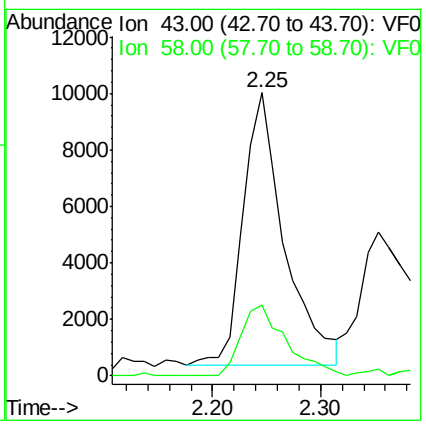


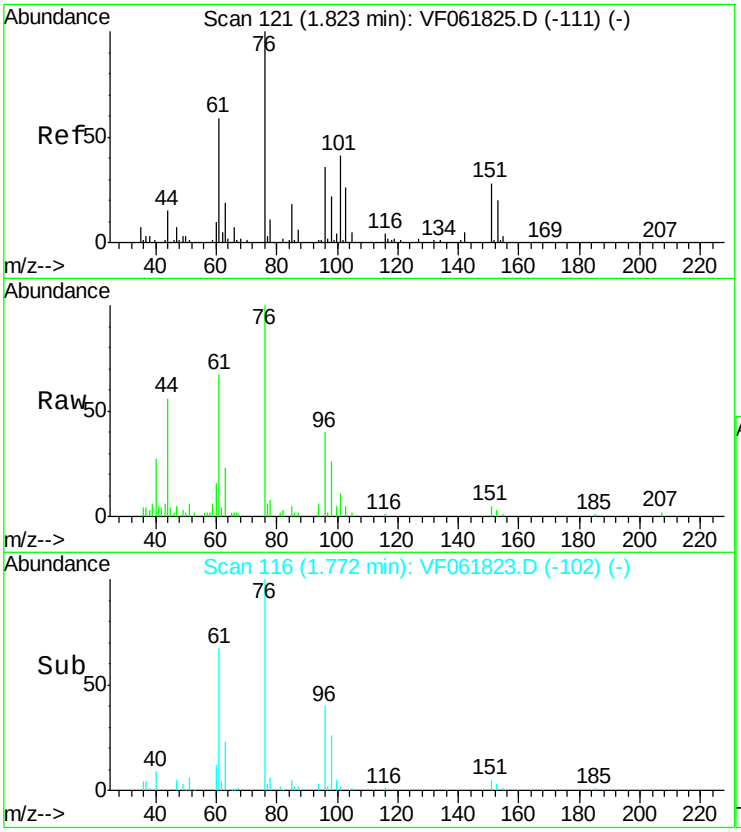




#16
Acetone
Concen: 48.710 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 43 Resp: 25638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.1 | 22.9 | 34.3 |



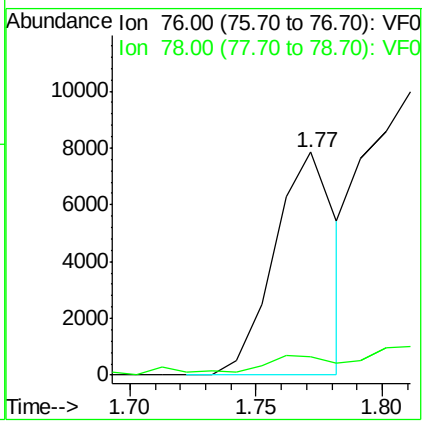


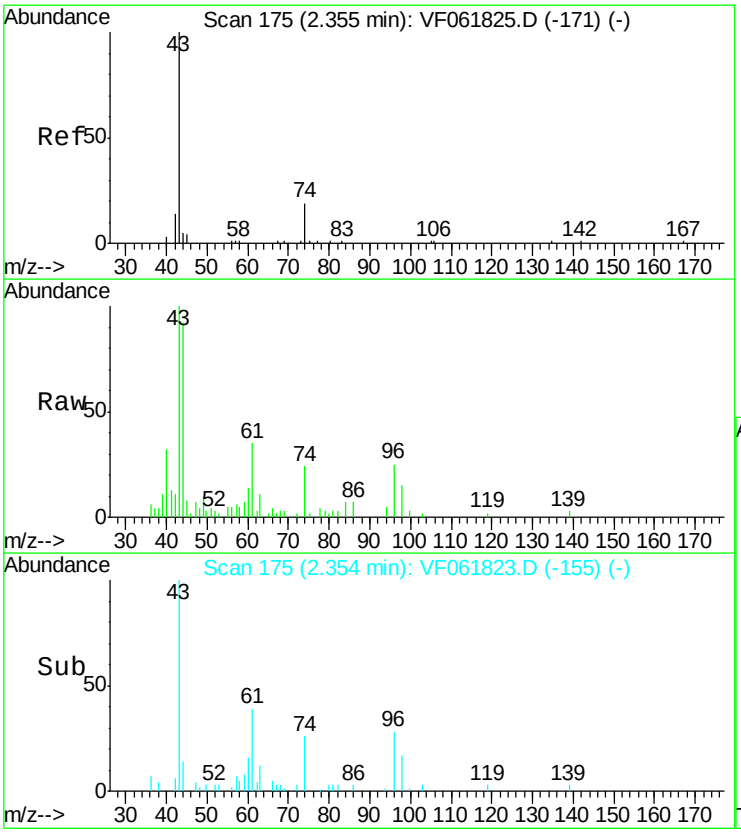

#17
Carbon Disulfide
Concen: 1.478 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.06 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 76 Resp: 13321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.3 | 7.9 | 11.9 |

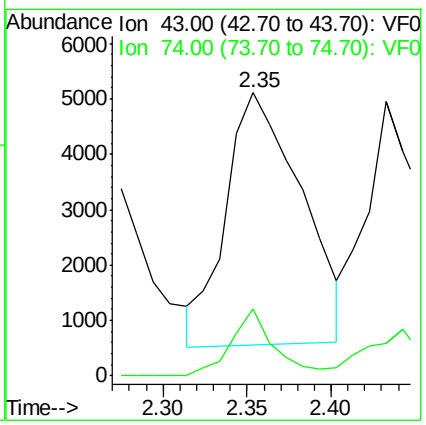


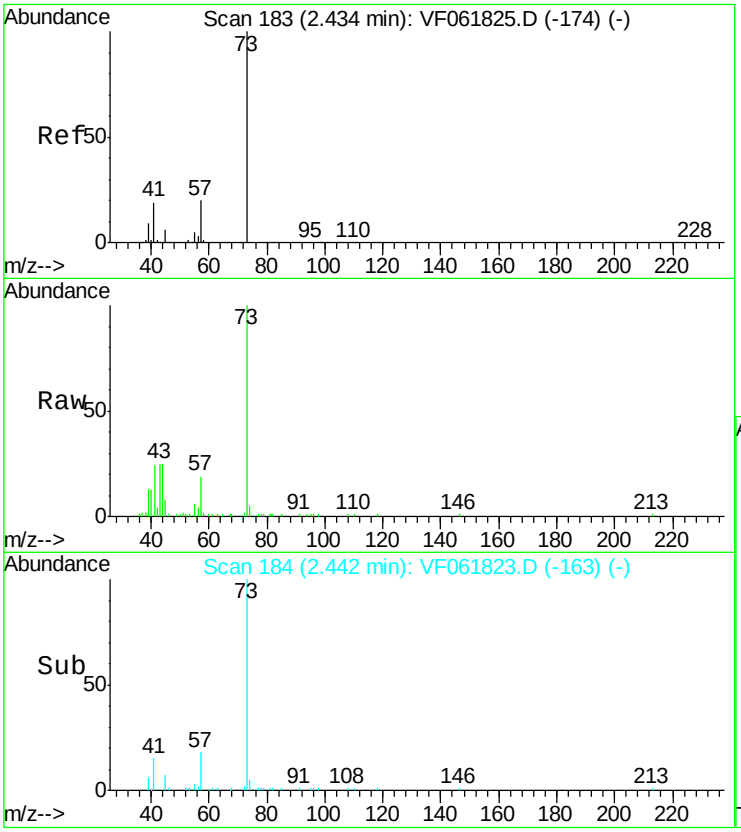




#18
Methyl Acetate
Concen: 12.010 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 43 Resp: 14240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 14.6 | 21.8# |



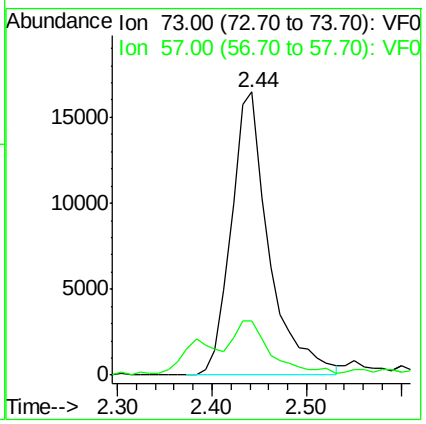


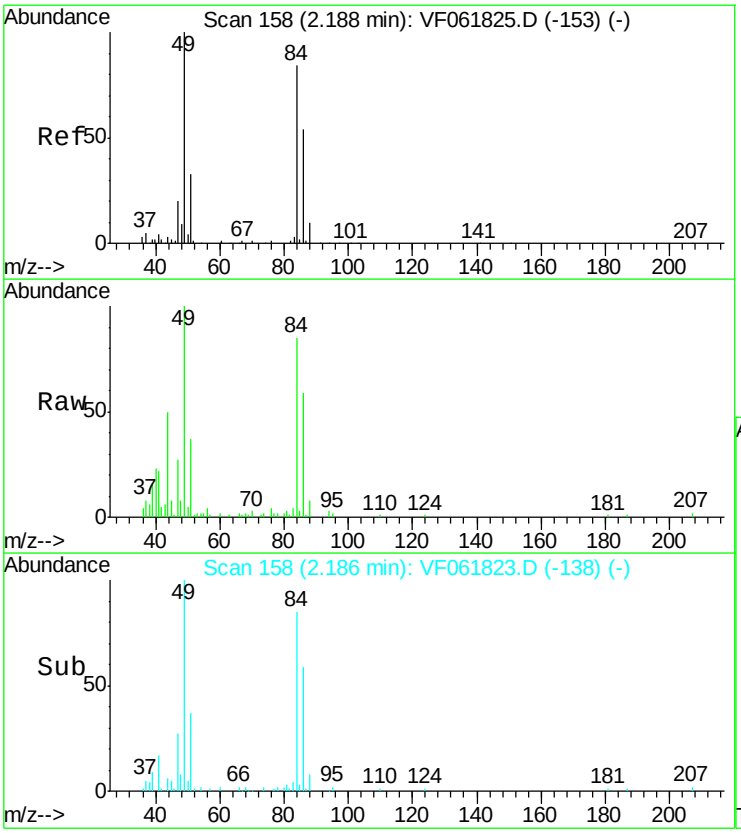

#19
Methyl tert-butyl Ether
Concen: 9.278 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 73 Resp: 45452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.0 | 15.8 | 23.8 |

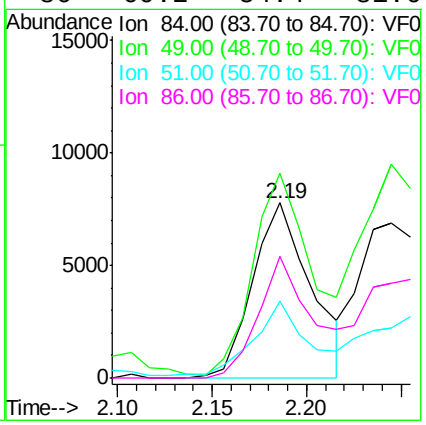


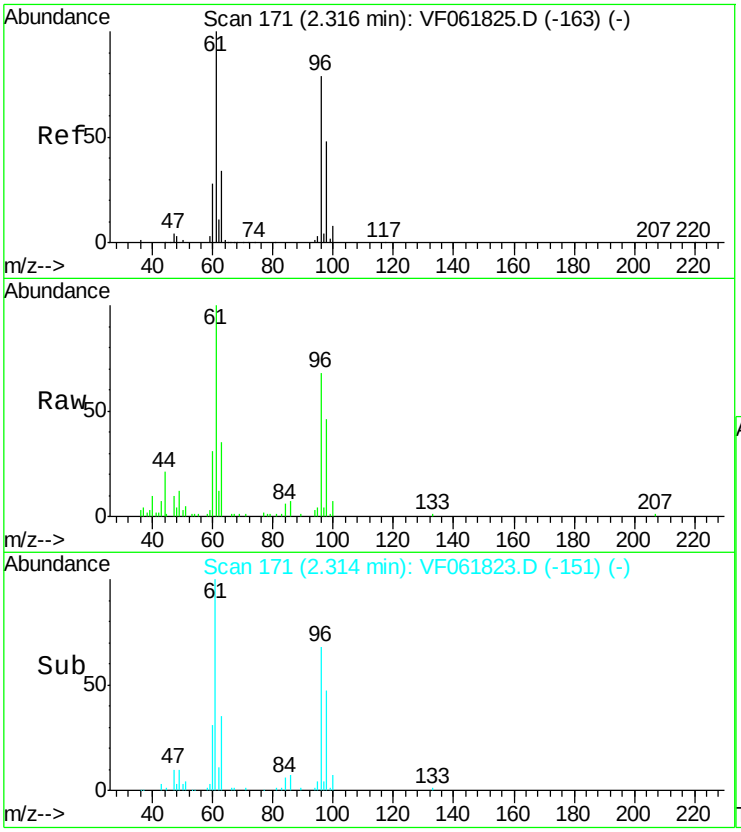




#20
Methylene Chloride
Concen: 5.246 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 84 Resp: 16680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.0 | 101.8 | 152.8 |
| 51 | 43.5 | 31.1 | 46.7 |
| 86 | 69.2 | 54.4 | 81.6 |



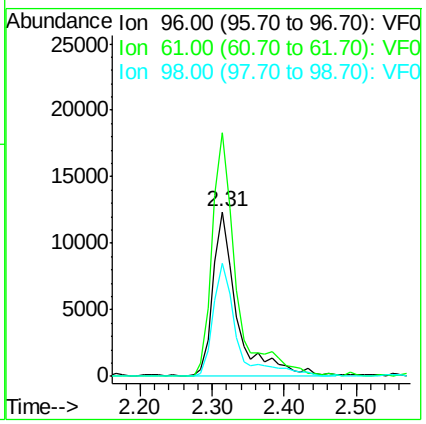


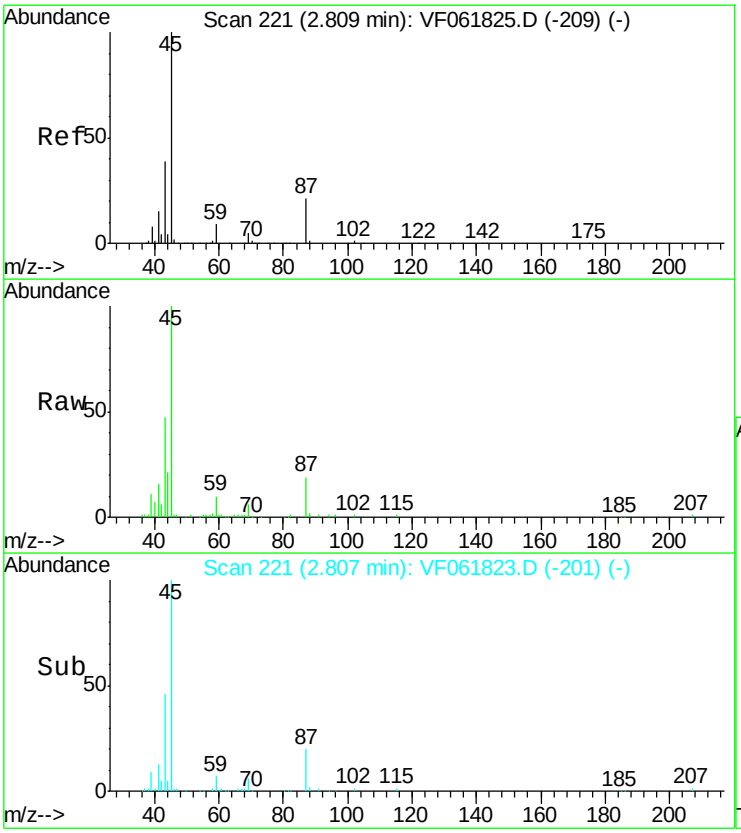

#21
trans-1,2-Dichloroethene
Concen: 9.247 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 28817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.8 | 108.2 | 162.4 |
| 98 | 68.6 | 52.2 | 78.2 |

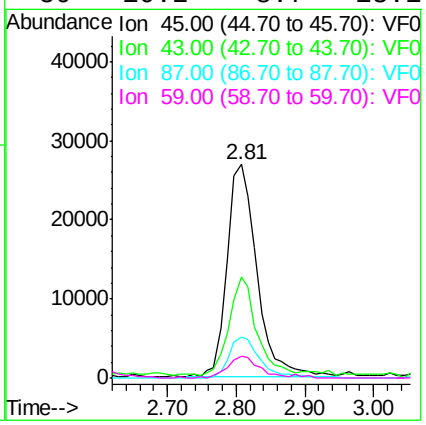


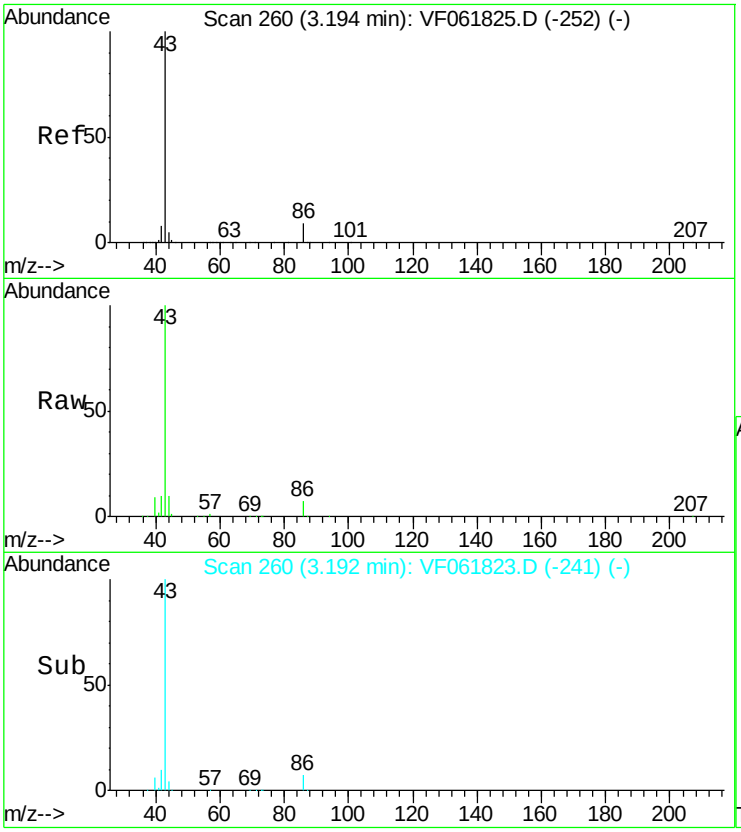




#22
Diisopropyl ether
Concen: 9.598 ug/l
RT: 2.81 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 45 Resp: 81041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 47.1 | 31.4 | 47.2 |
| 87 | 19.4 | 16.3 | 24.5 |
| 59 | 10.2 | 8.7 | 13.1 |



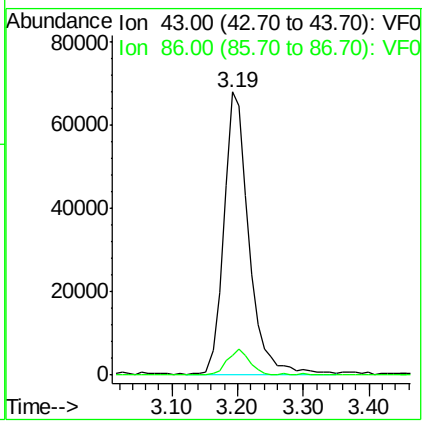


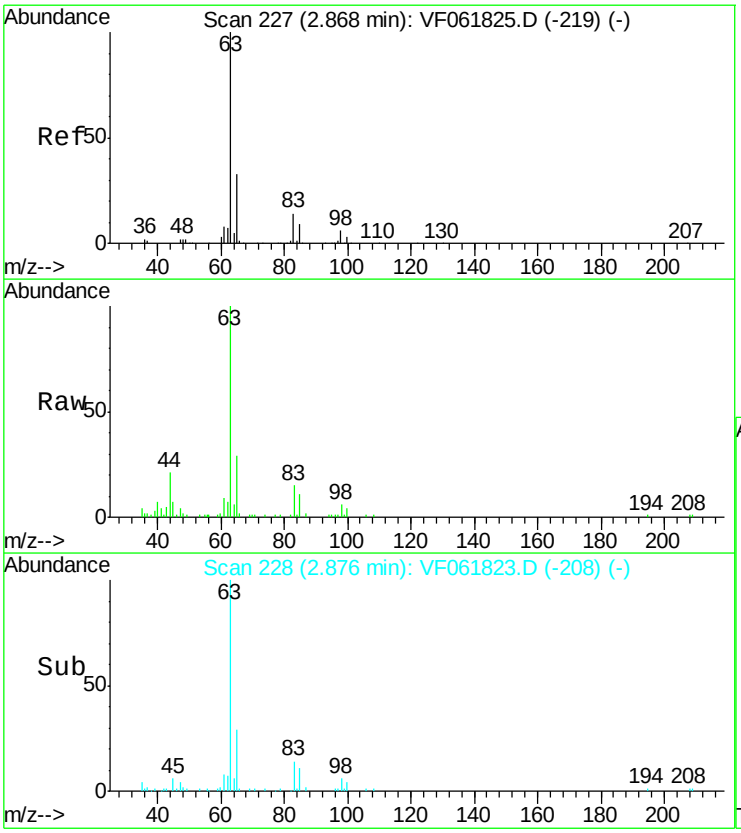

#23
Vinyl Acetate
Concen: 43.264 ug/l
RT: 3.19 min Scan# 260
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 43 Resp: 178428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 6.9 | 7.5 | 11.3# |

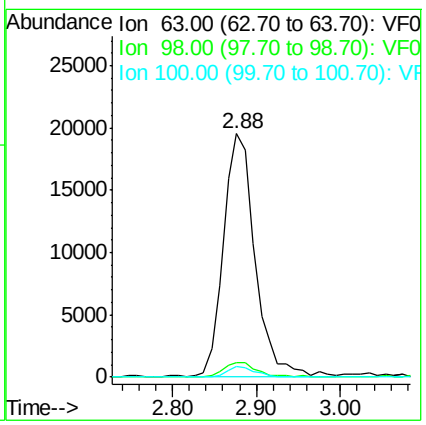


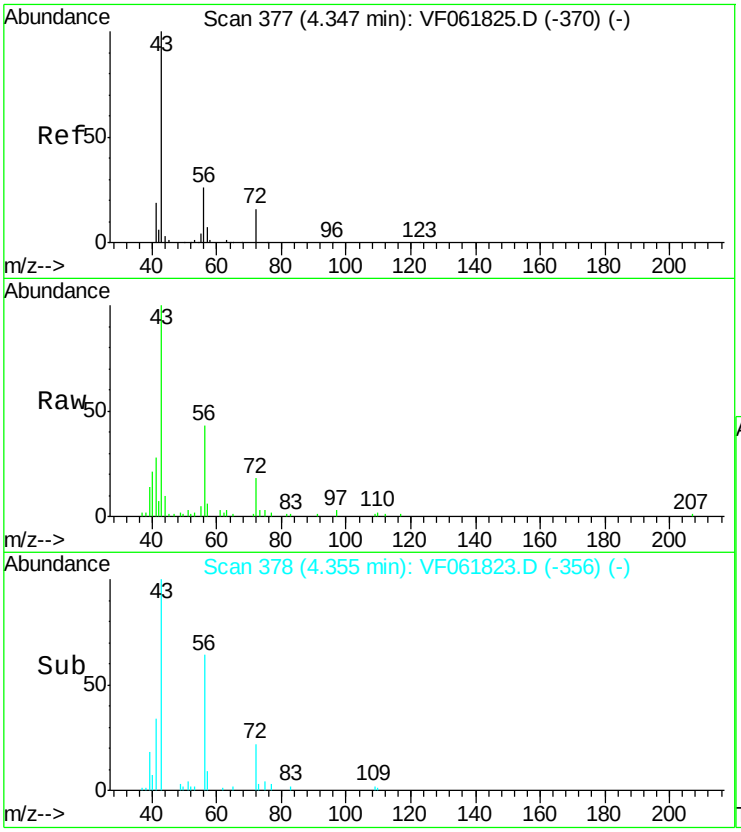




#24
1,1-Dichloroethane
Concen: 10.062 ug/l
RT: 2.88 min Scan# 228
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 63 Resp: 51415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.9 | 2.8 | 8.3 |
| 100 | 4.3 | 1.8 | 5.4 |



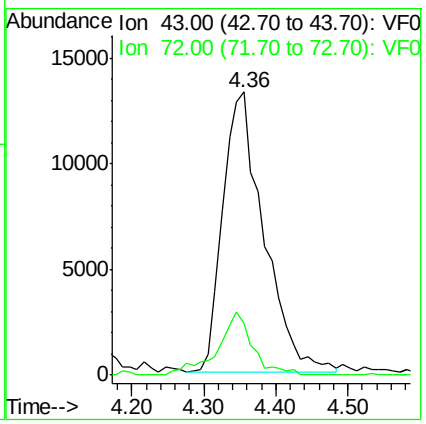


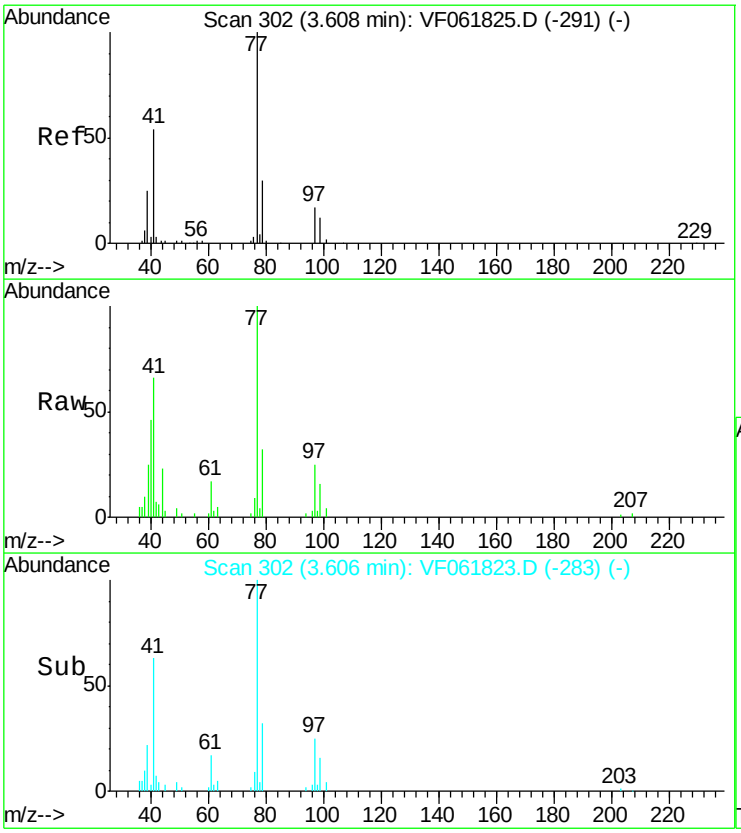

#25
2-Butanone
Concen: 45.416 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 52214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.1 | 17.1 | 25.7 |

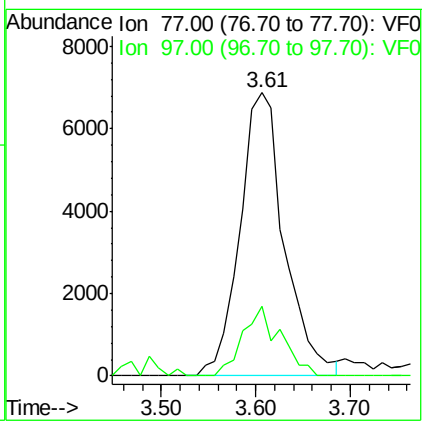


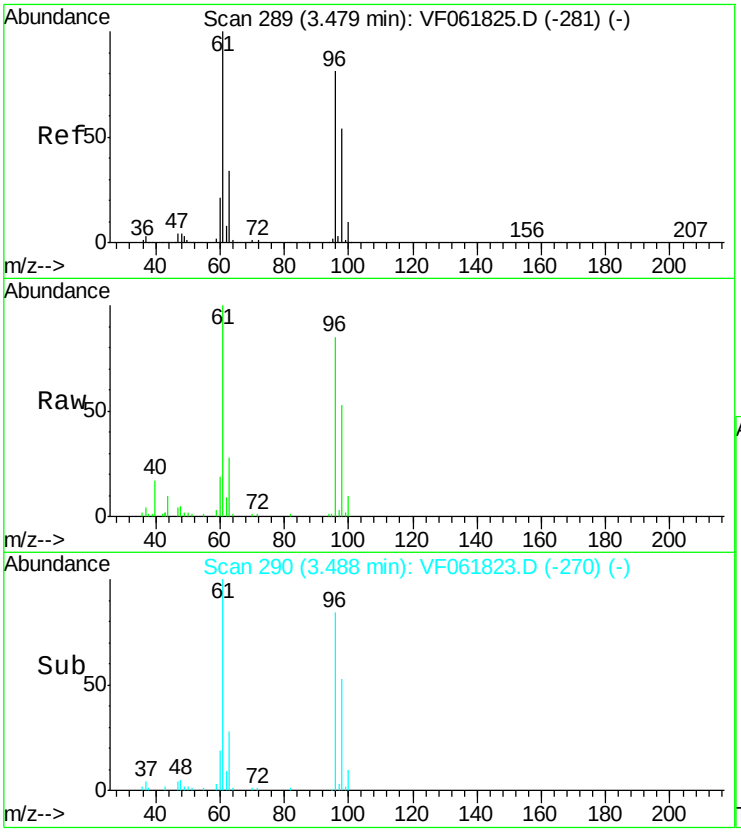




#26
2,2-Dichloropropane
Concen: 10.358 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 77 Resp: 22419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 24.7 | 11.7 | 35.0 |



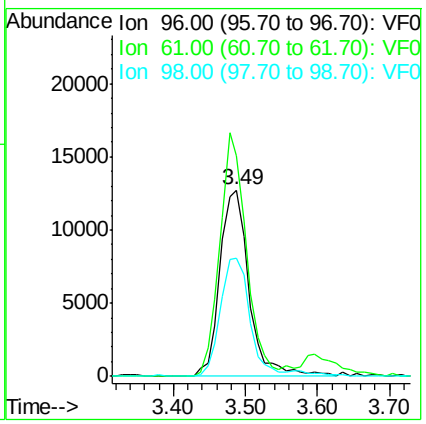


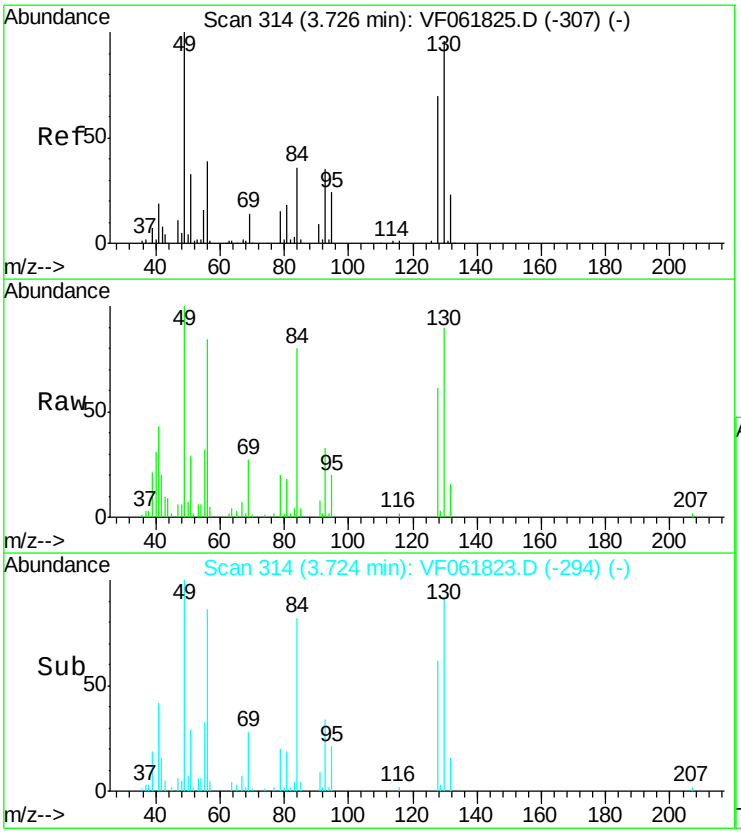

#27
cis-1,2-Dichloroethene
Concen: 8.728 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 96 Resp: 35701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.2 | 0.0 | 241.6 |
| 98 | 63.1 | 0.0 | 130.2 |

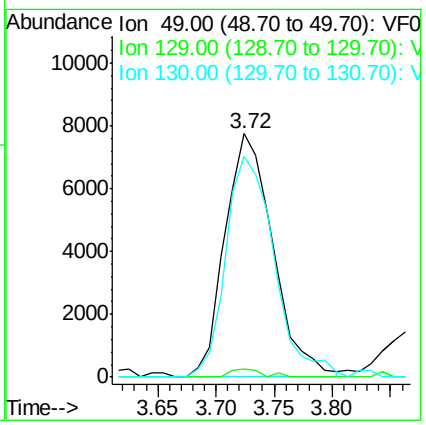


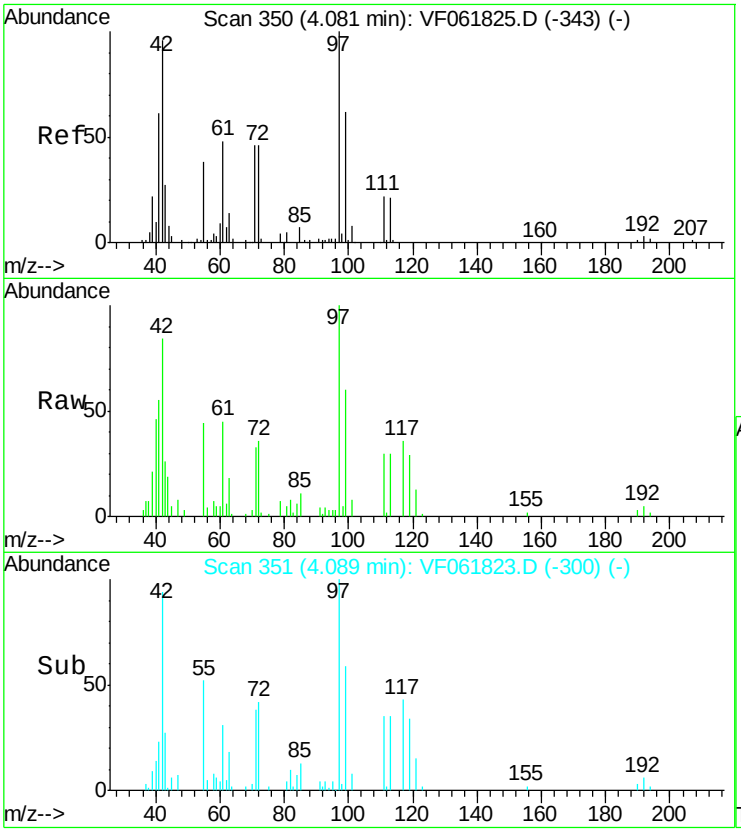




#28
Bromochloromethane
Concen: 9.029 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 49 Resp: 22136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 3.3 | 0.0 | 3.4 |
| 130 | 90.4 | 77.7 | 116.5 |



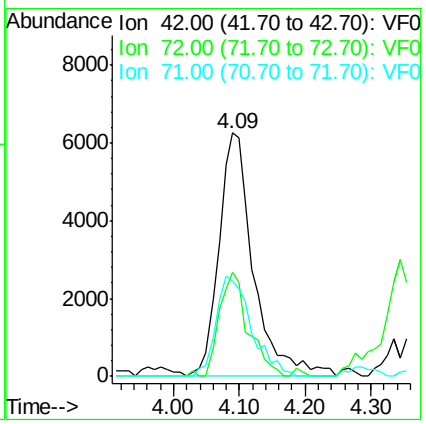


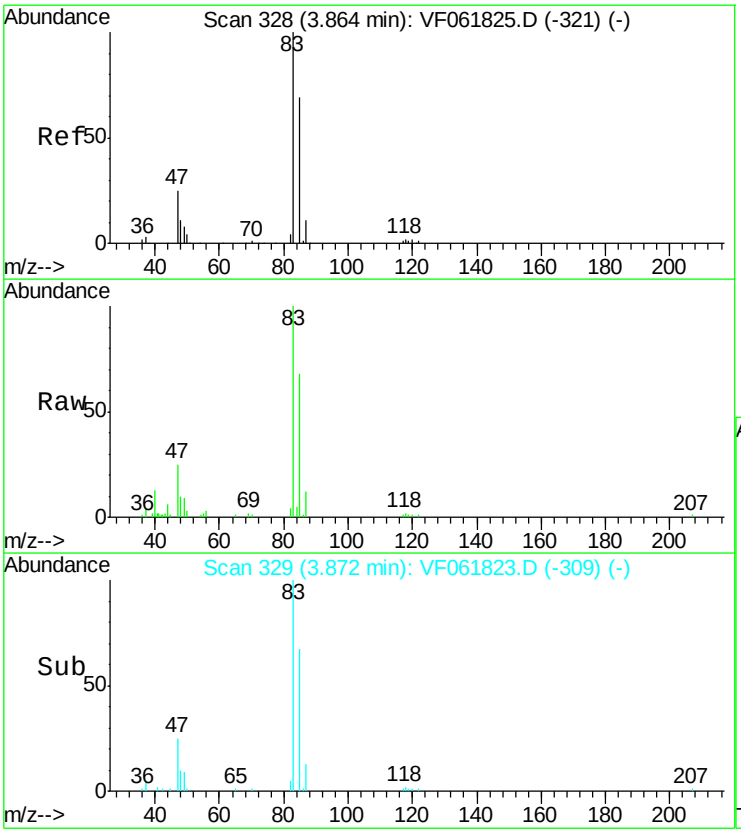

#29
Tetrahydrofuran
Concen: 43.784 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 42 Resp: 22879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 36.0 | 35.2 | 52.8 |
| 71 | 41.9 | 32.9 | 49.3 |

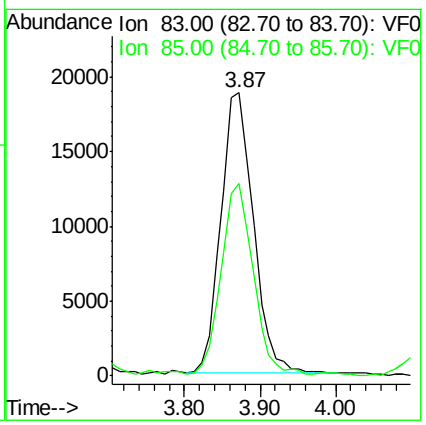


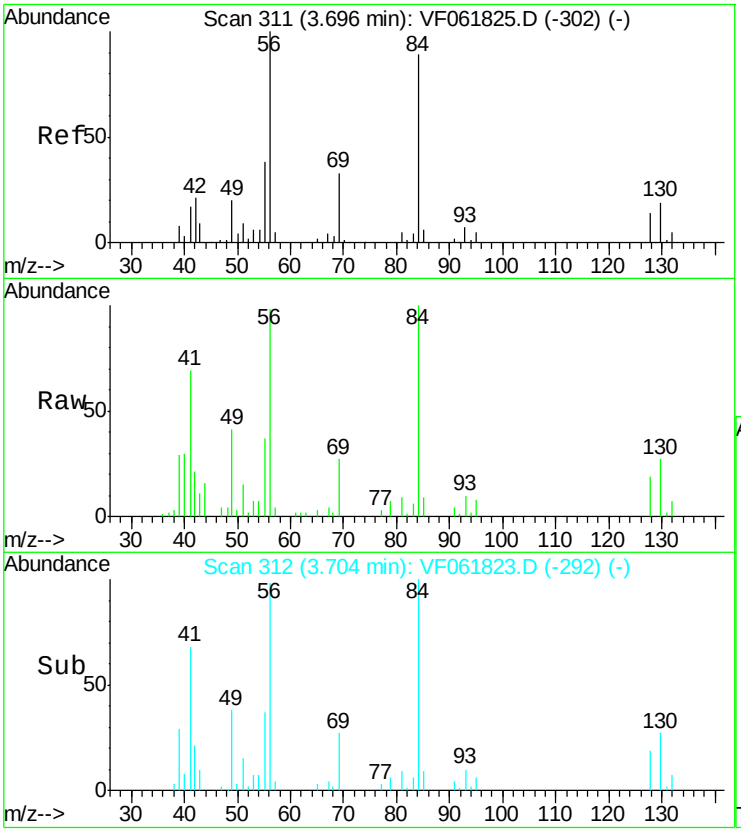




#30
Chloroform
Concen: 9.670 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 83 Resp: 56194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.0 | 51.1 | 76.7 |



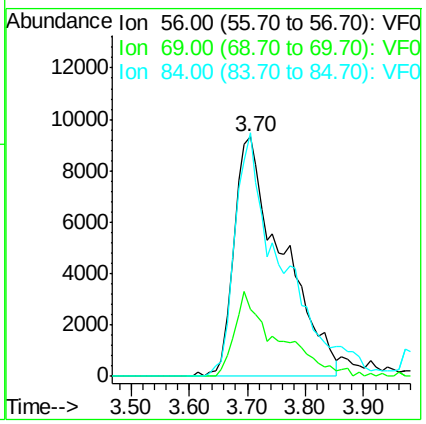


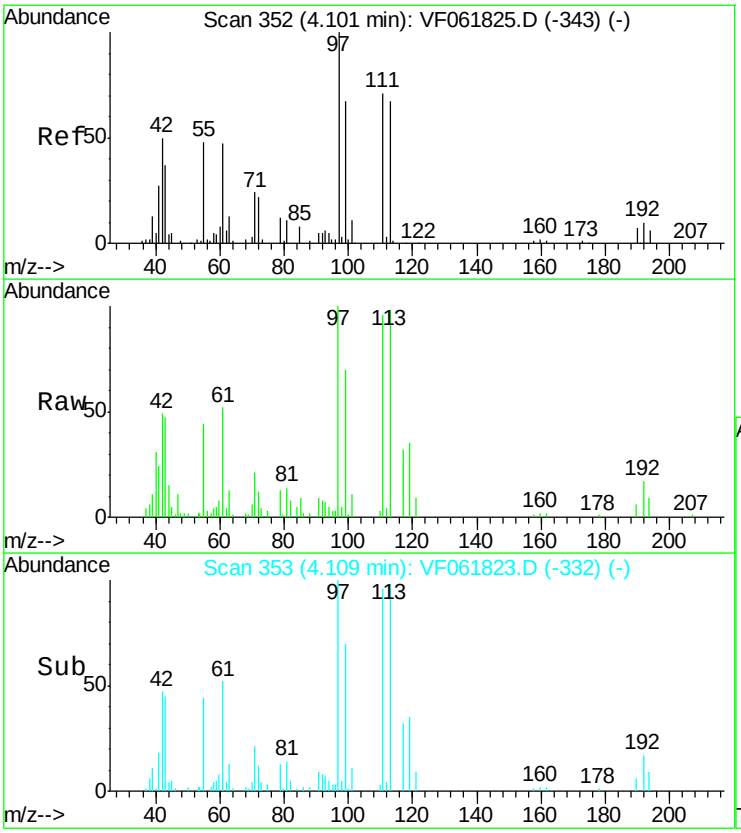

#31
Cyclohexane
Concen: 9.739 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 56 Resp: 53874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.8 | 23.8 | 35.8 |
| 84 | 101.6 | 68.6 | 103.0 |

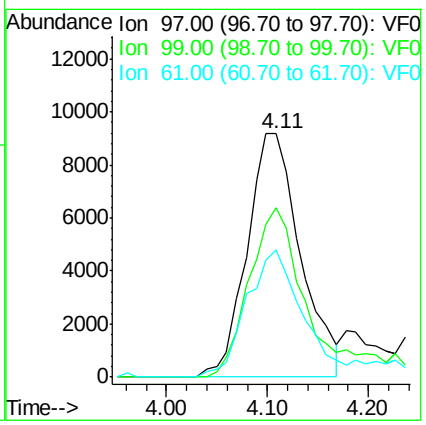


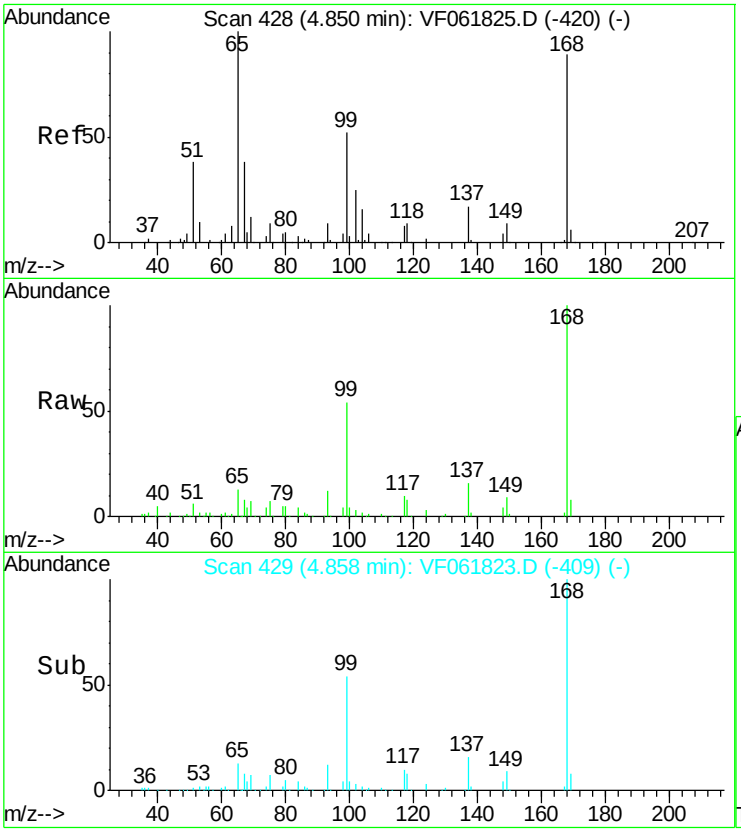




#32
1,1,1-Trichloroethane
Concen: 8.888 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 97 Resp: 33833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 69.7 | 52.2 | 78.2 |
| 61 | 52.3 | 39.2 | 58.8 |



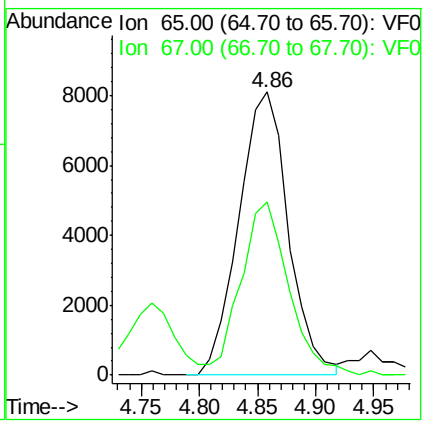


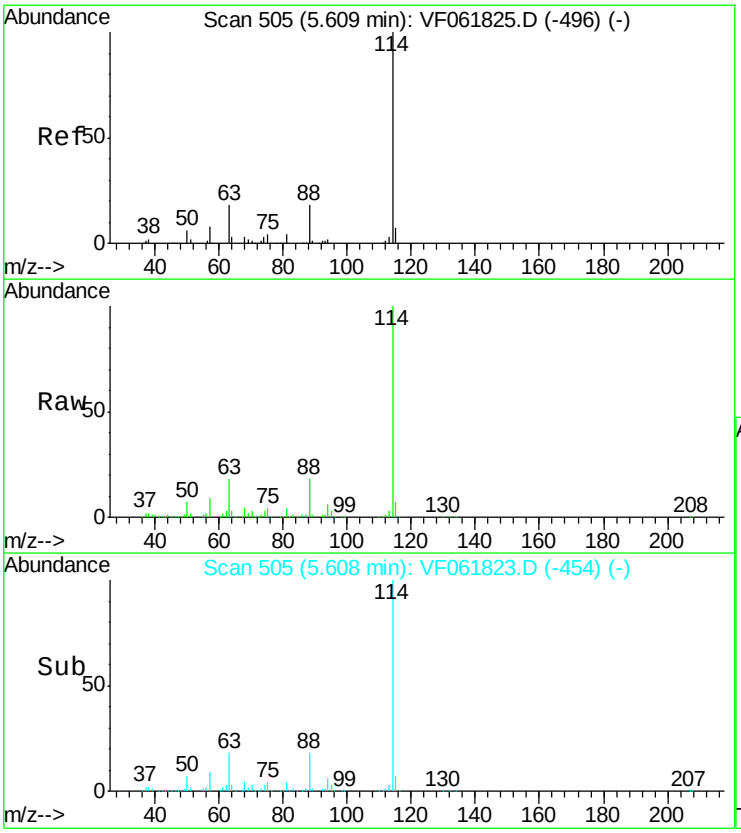

#33
1,2-Dichloroethane-d4
Concen: 9.749 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 65 Resp: 23915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 61.0 | 0.0 | 104.0 |

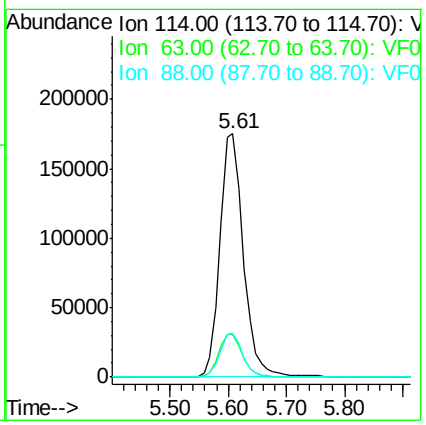


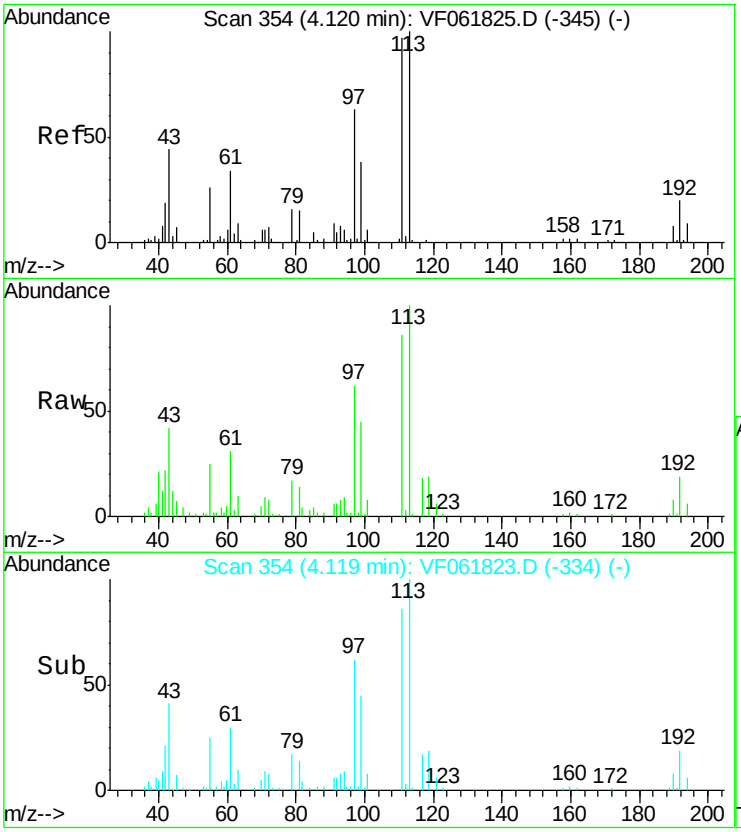




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:114 Resp: 491479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.6 | 0.0 | 36.6 |
| 88 | 18.3 | 0.0 | 34.4 |



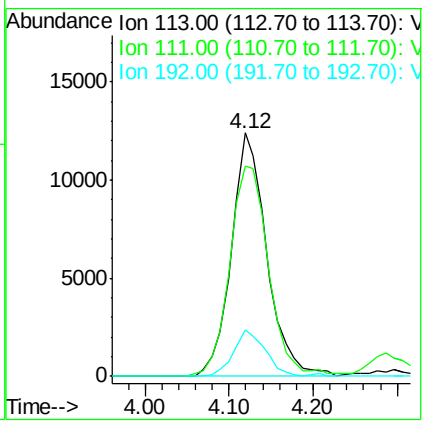


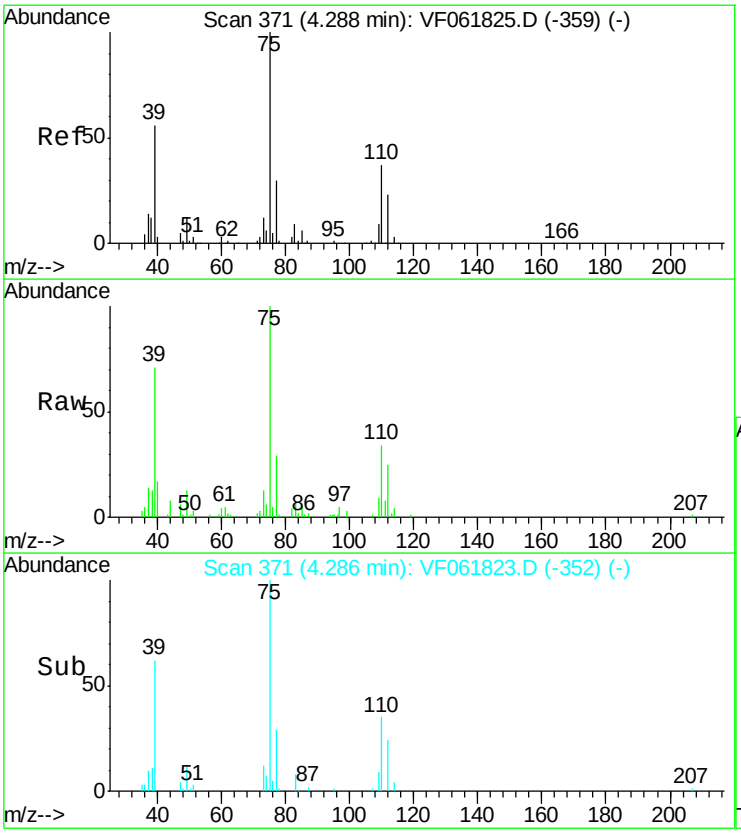

#35
Dibromofluoromethane
Concen: 9.947 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:113 Resp: 36303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 86.3 | 78.8 | 118.2 |
| 192 | 19.4 | 13.4 | 20.0 |

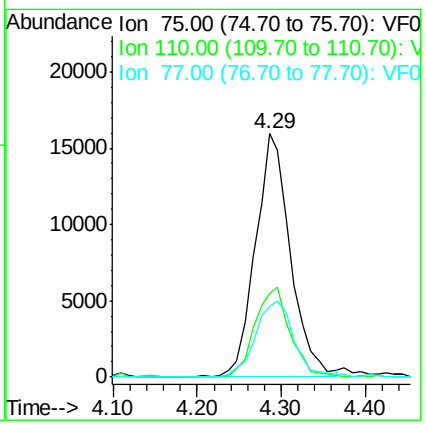


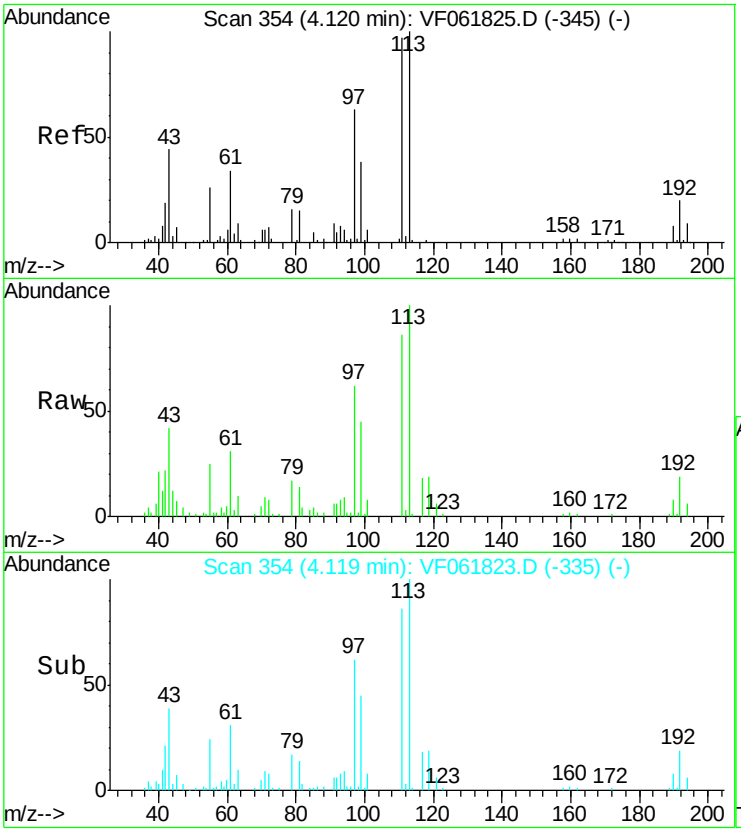




#36
1,1-Dichloropropene
Concen: 9.555 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 75 Resp: 46522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.5 | 20.5 | 61.6 |
| 77 | 29.2 | 27.0 | 40.4 |



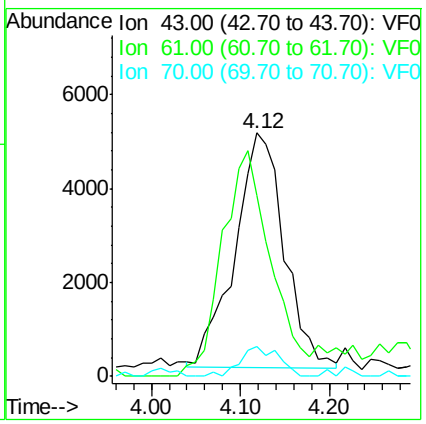


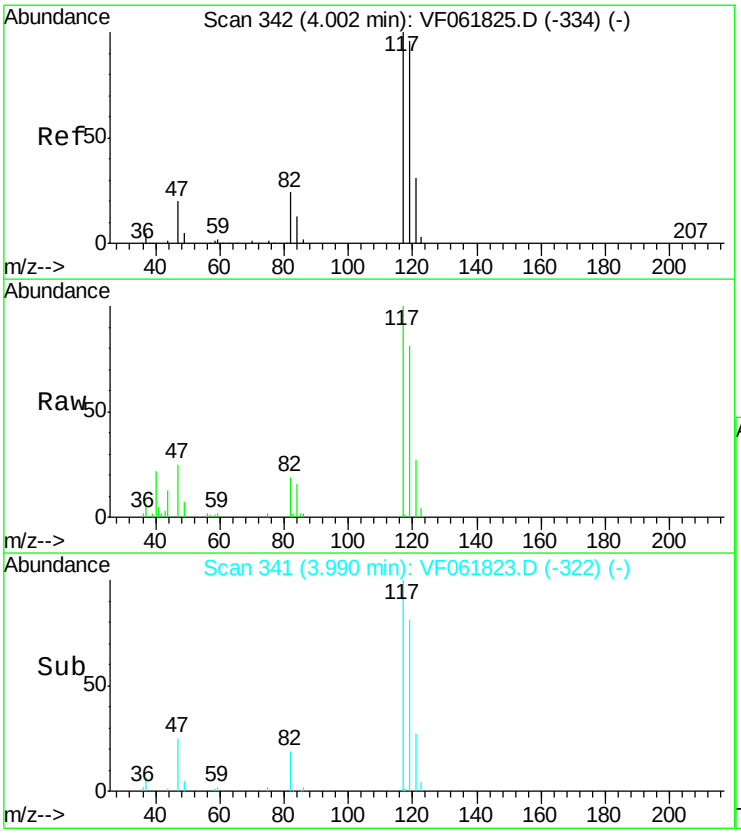

#37
Ethyl Acetate
Concen: 8.547 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 43 Resp: 19328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 74.5 | 45.7 | 68.5# |
| 70 | 12.2 | 8.5 | 12.7 |

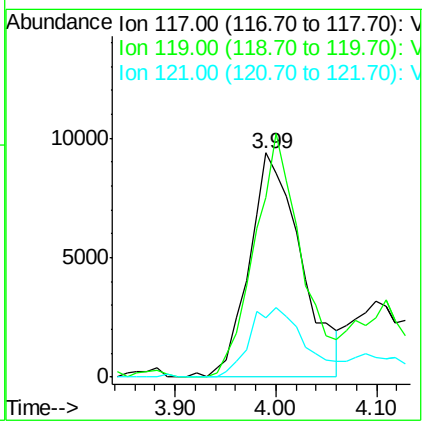


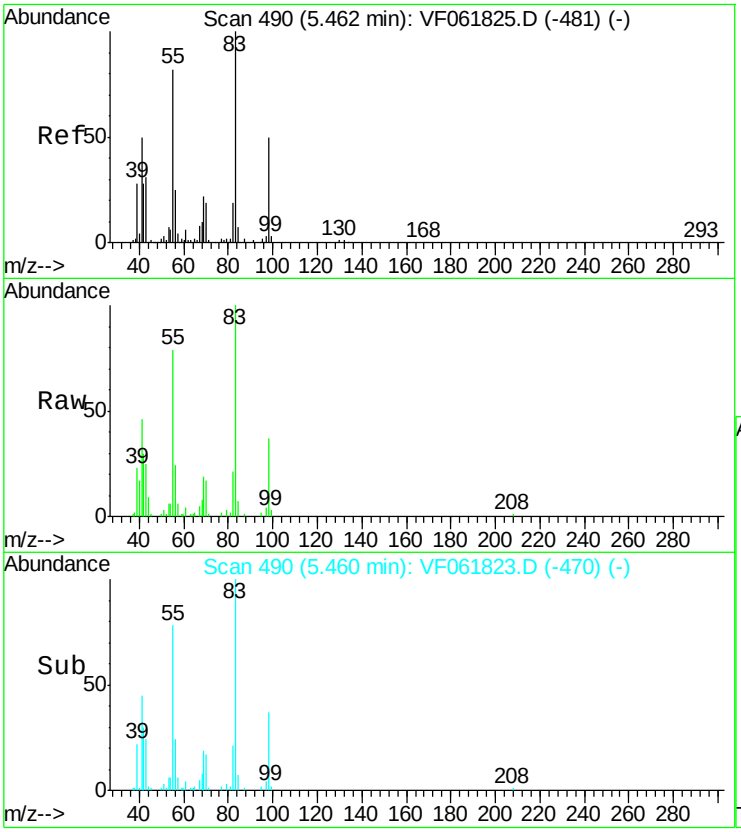




#38
Carbon Tetrachloride
Concen: 9.975 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:117 Resp: 33534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 80.1 | 75.6 | 113.4 |
| 121 | 26.7 | 25.2 | 37.8 |



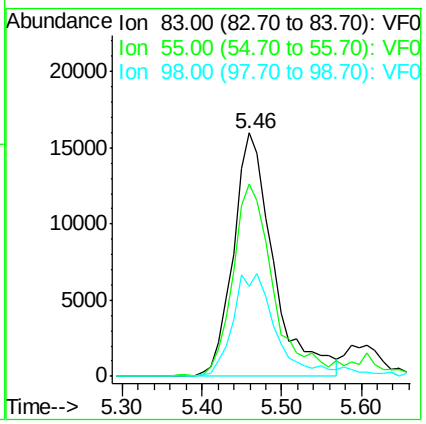


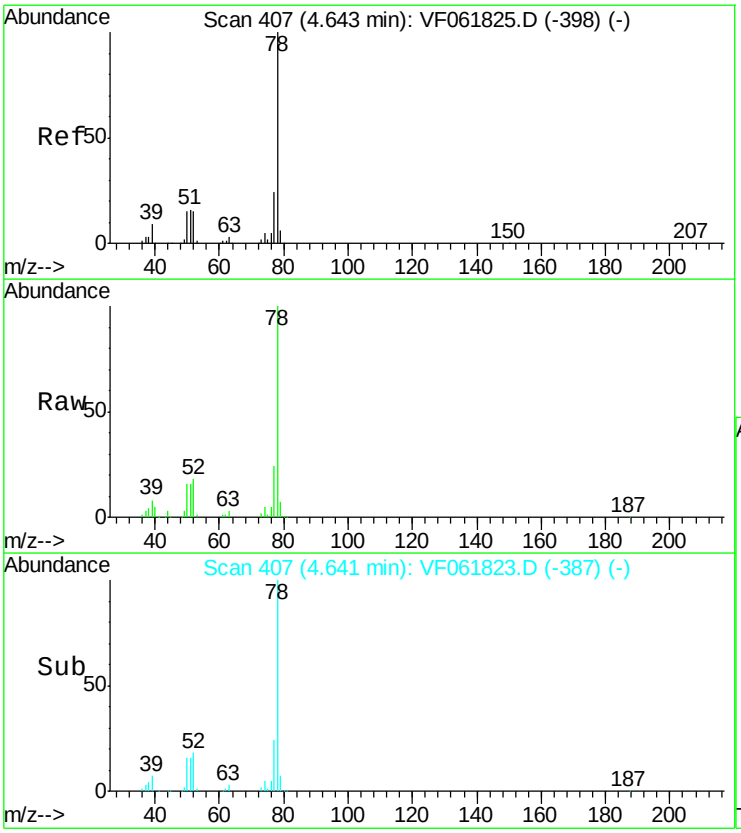

#39
Methylcyclohexane
Concen: 9.704 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 55877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.8 | 66.6 | 99.8 |
| 98 | 36.9 | 40.4 | 60.6# |

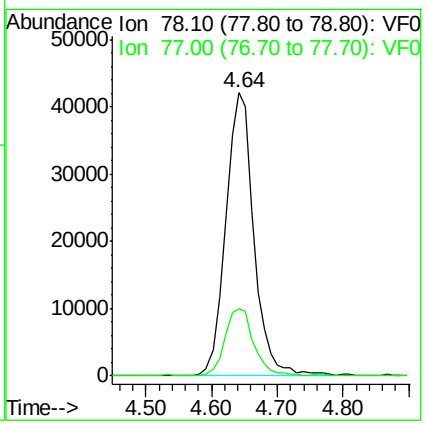


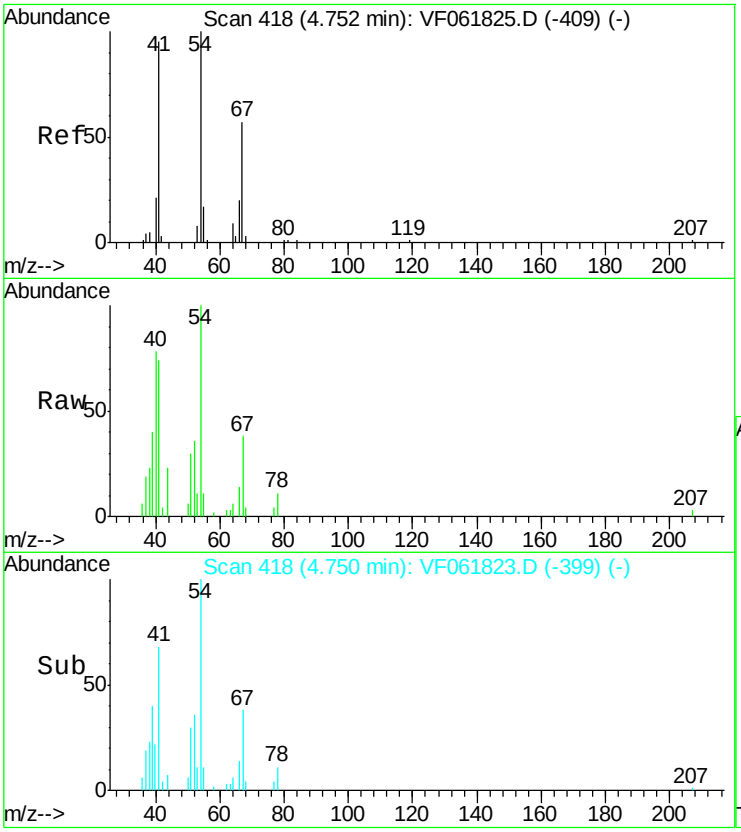




#40
Benzene
Concen: 9.889 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 78 Resp: 125931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 19.0 | 28.6 |



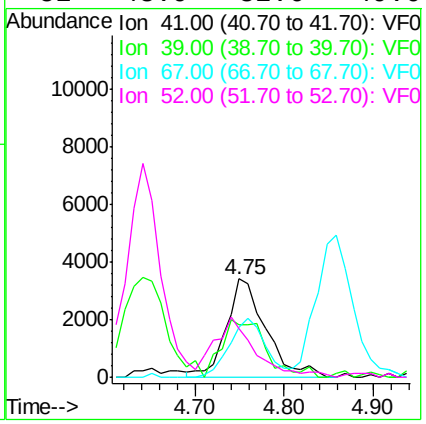


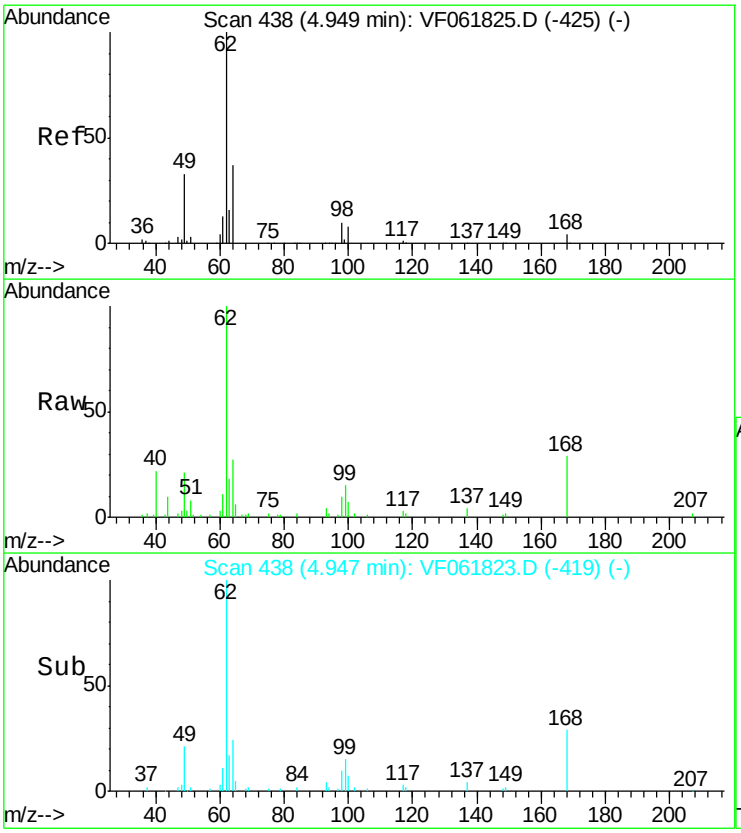

#41
Methacrylonitrile
Concen: 9.159 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 41 Resp: 10592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.7 | 45.3 | 67.9 |
| 67 | 51.0 | 49.3 | 73.9 |
| 52 | 48.9 | 32.6 | 49.0 |

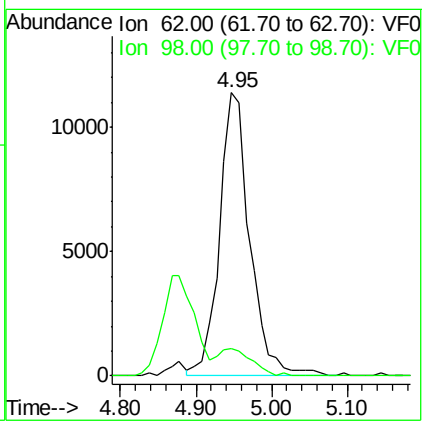


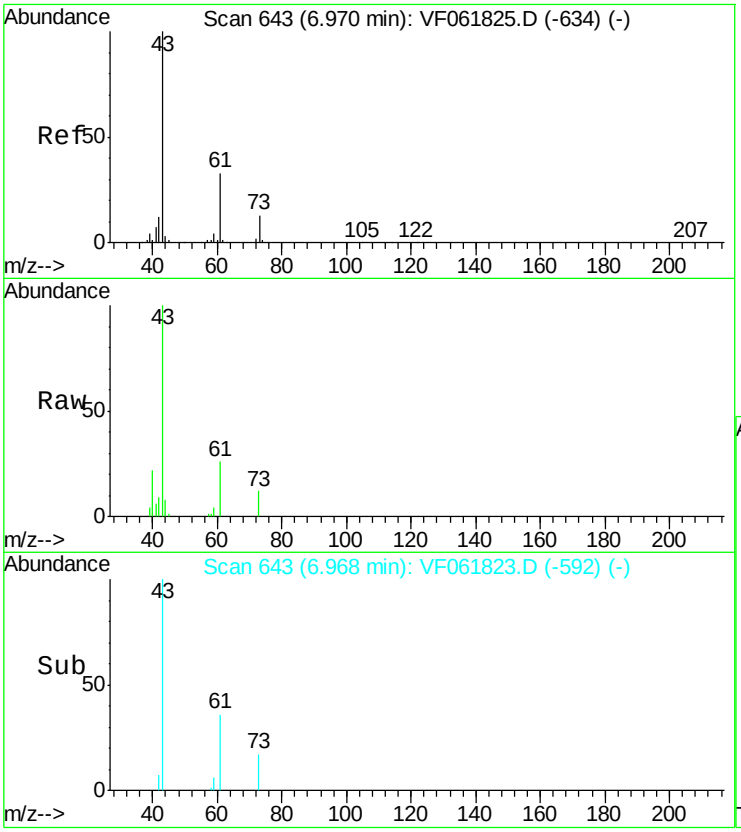




#42
1,2-Dichloroethane
Concen: 10.352 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 62 Resp: 31535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.9 | 0.0 | 26.0 |



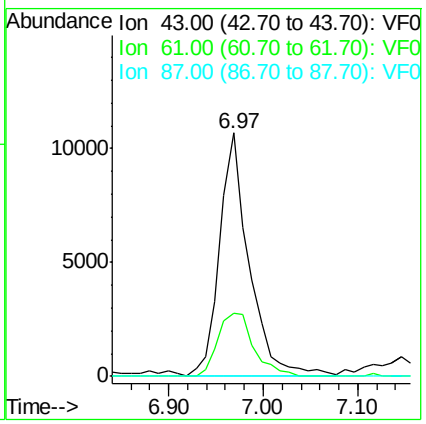


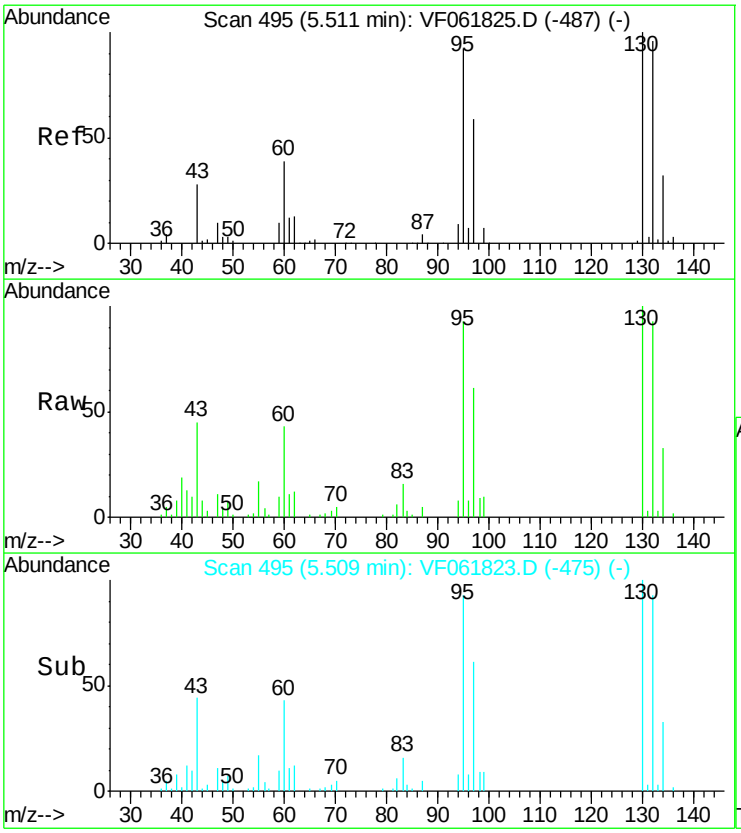

#43
Isopropyl Acetate
Concen: 8.686 ug/l
RT: 6.97 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 23251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 26.0 | 25.8 | 38.6 |
| 87 | 0.0 | 0.4 | 0.6# |

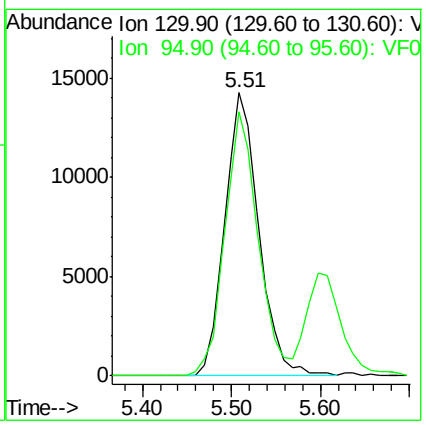


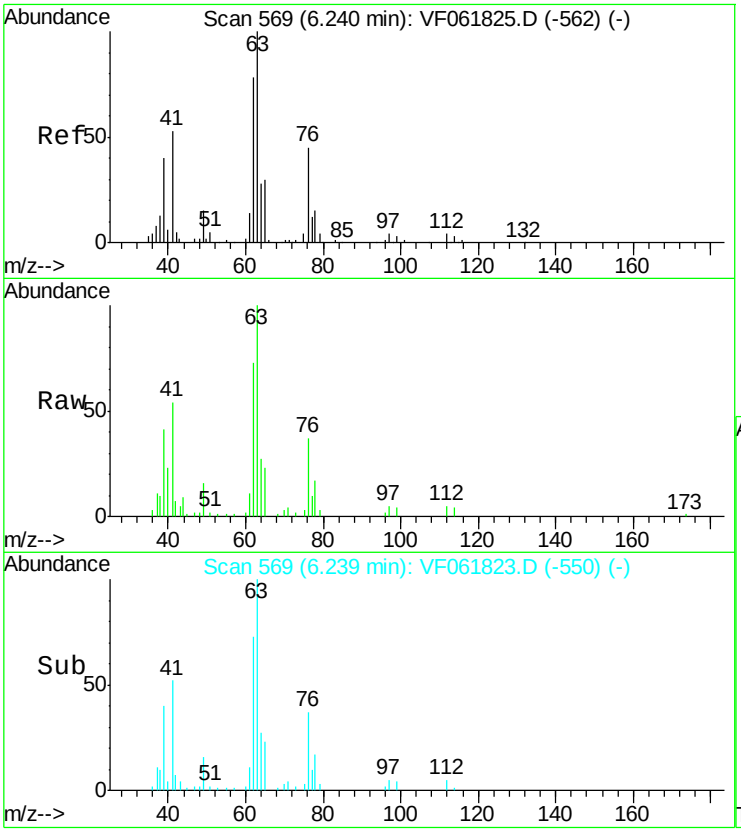




#44
Trichloroethene
Concen: 9.285 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:130 Resp: 38237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.1 | 0.0 | 179.4 |



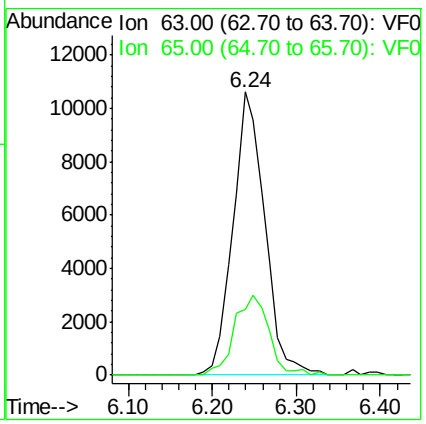


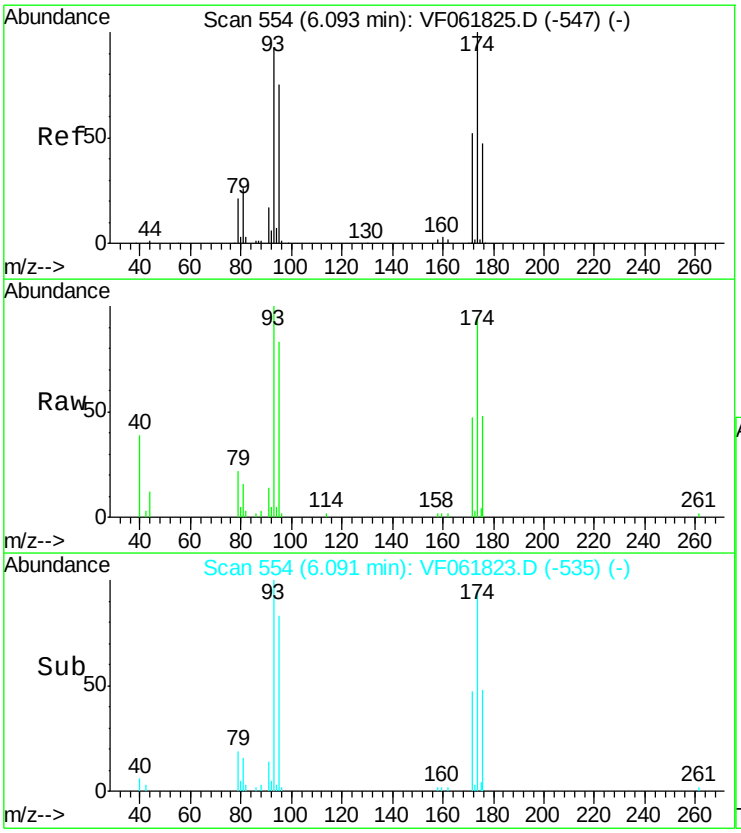

#45
1,2-Dichloropropane
Concen: 9.083 ug/l
RT: 6.24 min Scan# 569
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 63 Resp: 27959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 23.3 | 24.9 | 37.3# |

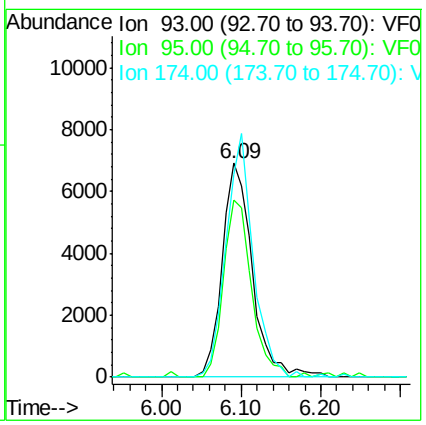


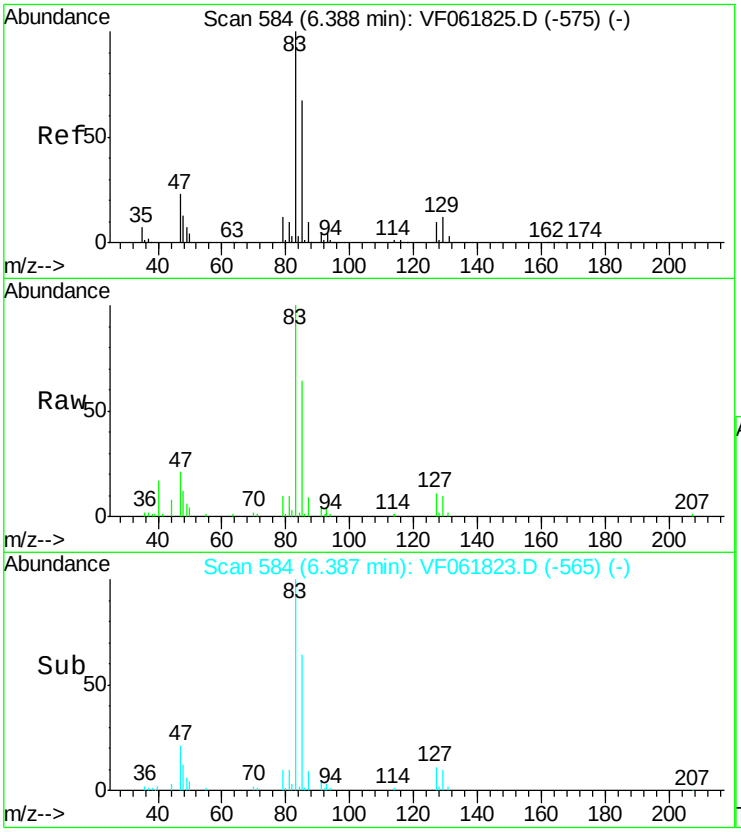




#46
Dibromomethane
Concen: 9.711 ug/l
RT: 6.09 min Scan# 554
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 93 Resp: 18406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 69.0 | 103.6 |
| 174 | 94.9 | 99.3 | 148.9# |



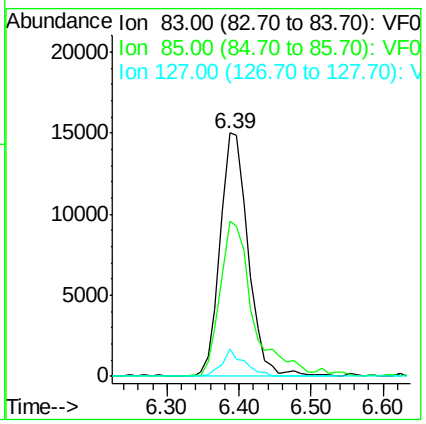


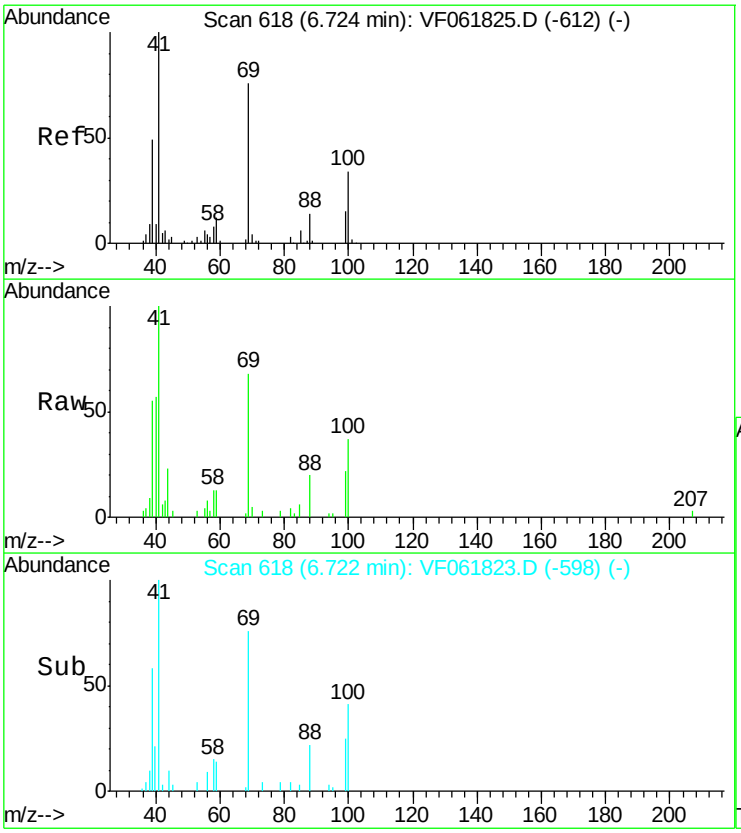

#47
Bromodichloromethane
Concen: 9.751 ug/l
RT: 6.39 min Scan# 584
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 40471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 53.4 | 80.2 |
| 127 | 11.0 | 7.5 | 11.3 |

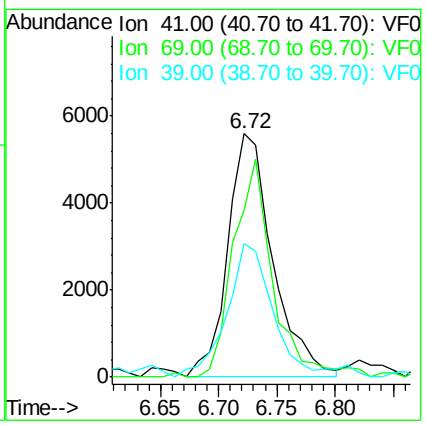


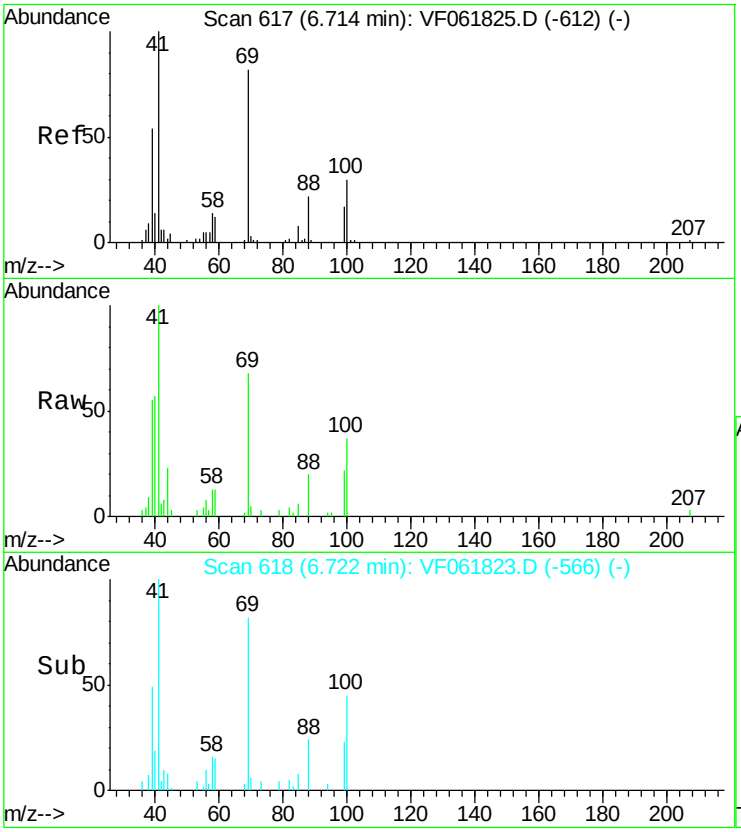




#48
Methyl methacrylate
Concen: 9.361 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 41 Resp: 15080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 68.4 | 60.4 | 90.6 |
| 39 | 55.0 | 43.7 | 65.5 |



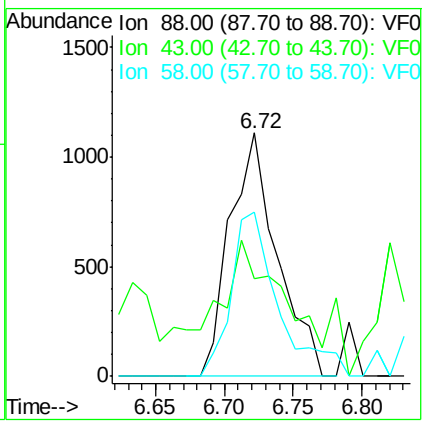


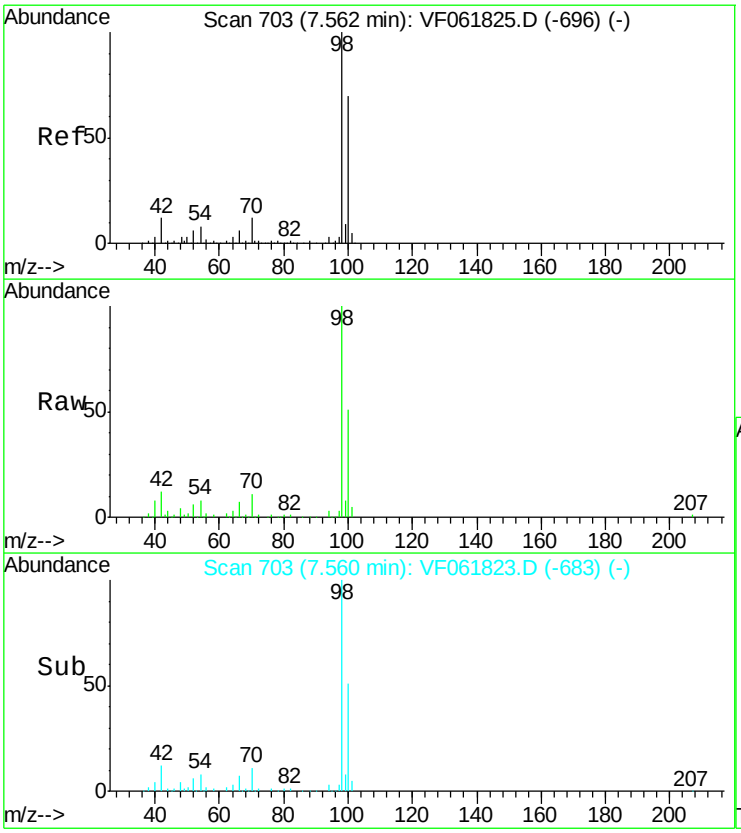

#49
1,4-Dioxane
Concen: 175.066 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 88 Resp: 2651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 32.3 | 48.5 |
| 58 | 67.2 | 59.4 | 89.2 |

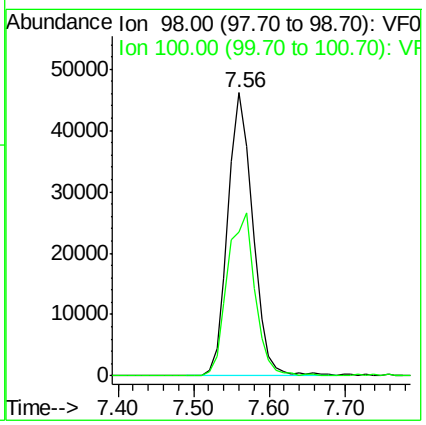


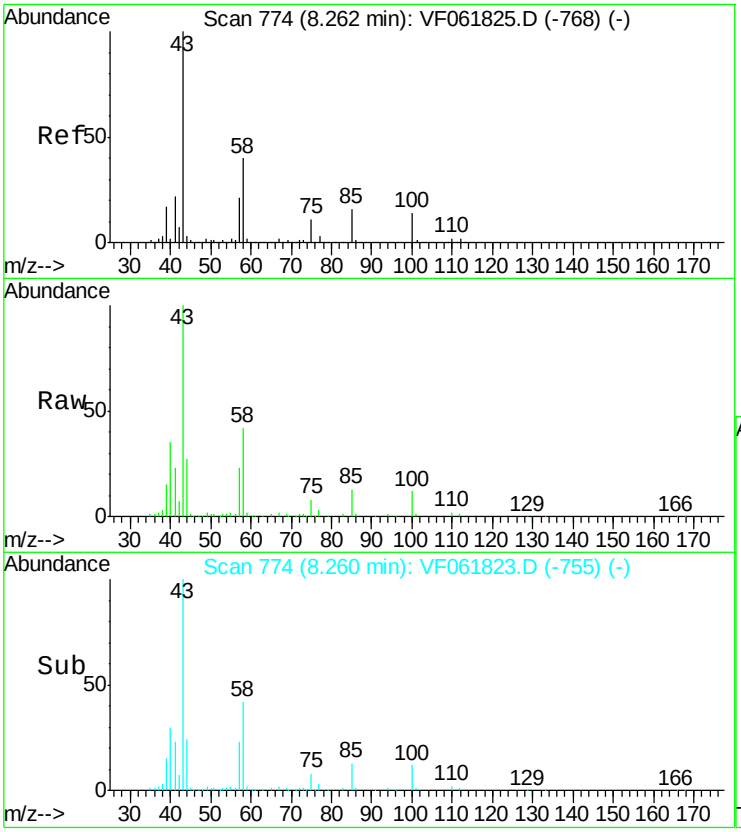




#50
Toluene-d8
Concen: 10.088 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 98 Resp: 105844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 50.9 | 55.4 | 83.2# |



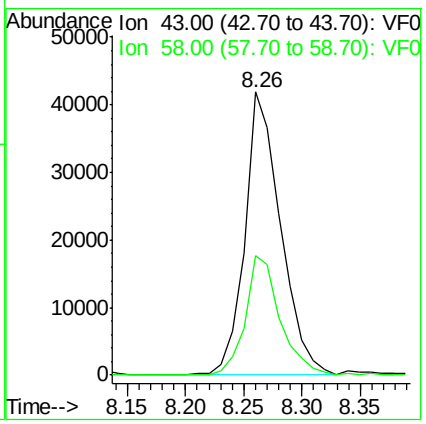


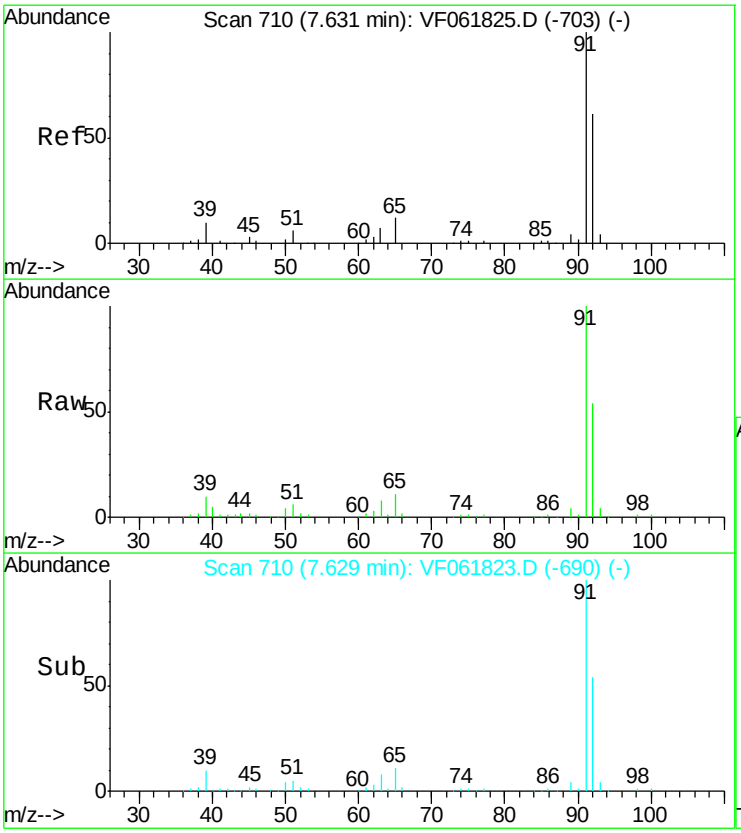

#51
4-Methyl-2-Pentanone
Concen: 46.544 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 43 Resp: 89023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.2 | 33.1 | 49.7 |

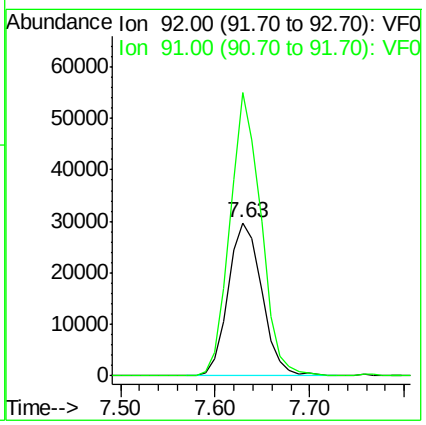


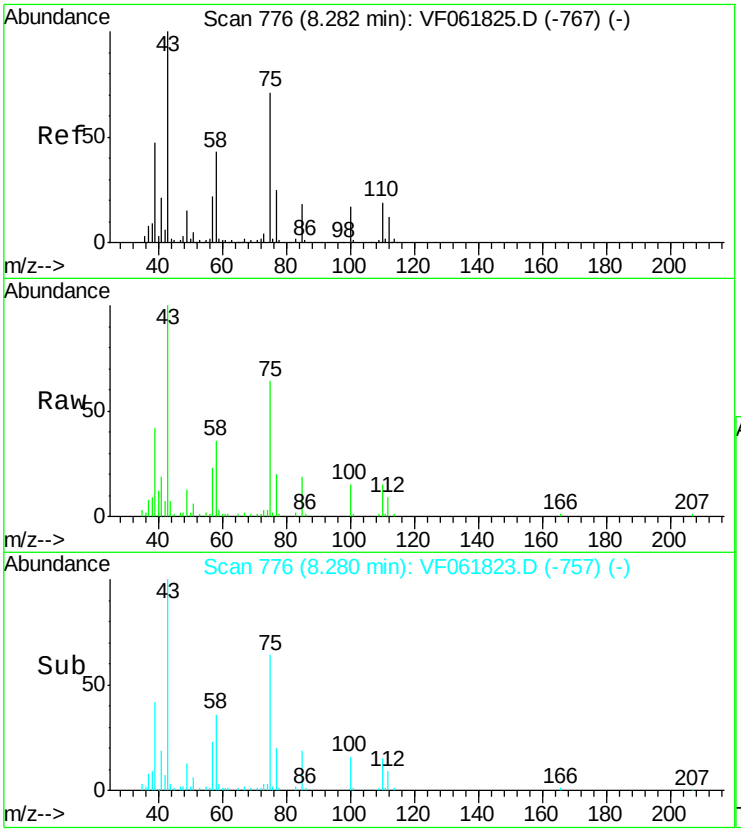




#52
Toluene
Concen: 9.495 ug/l
RT: 7.63 min Scan# 710
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 92 Resp: 73332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 184.6 | 133.9 | 200.9 |



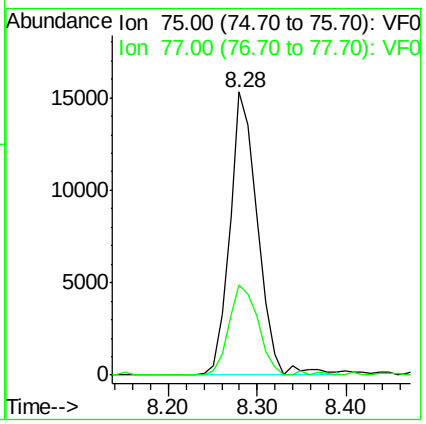


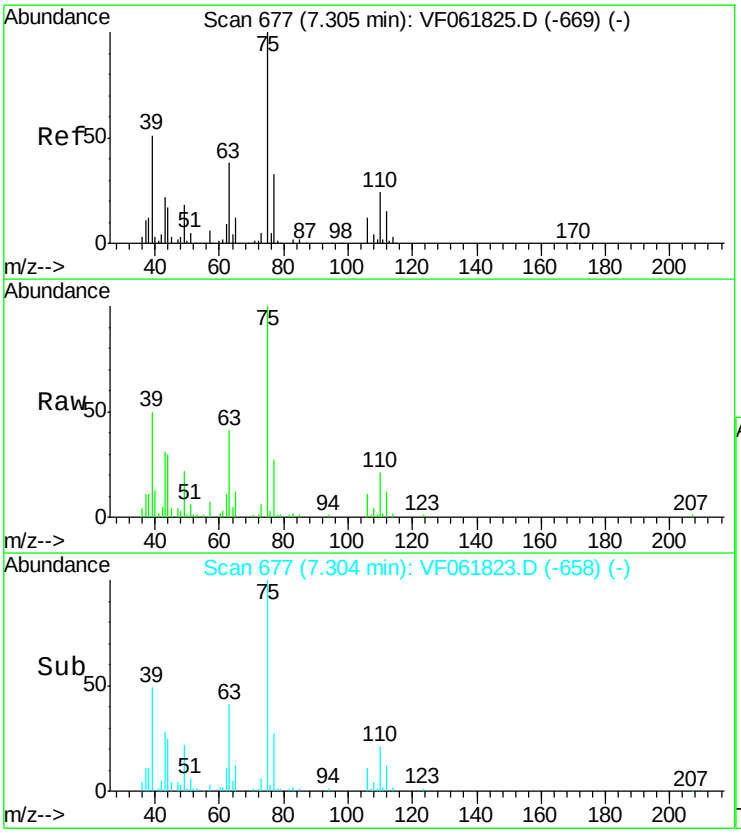

#53
t-1,3-Dichloropropene
Concen: 9.702 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 33513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 26.2 | 39.2 |

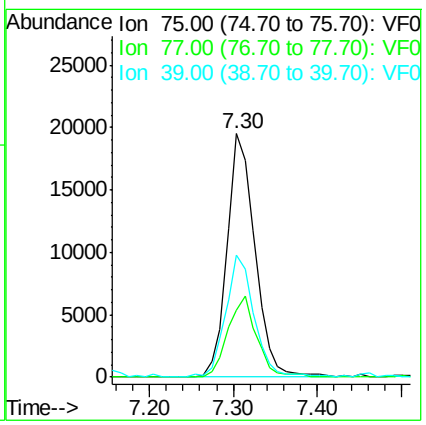


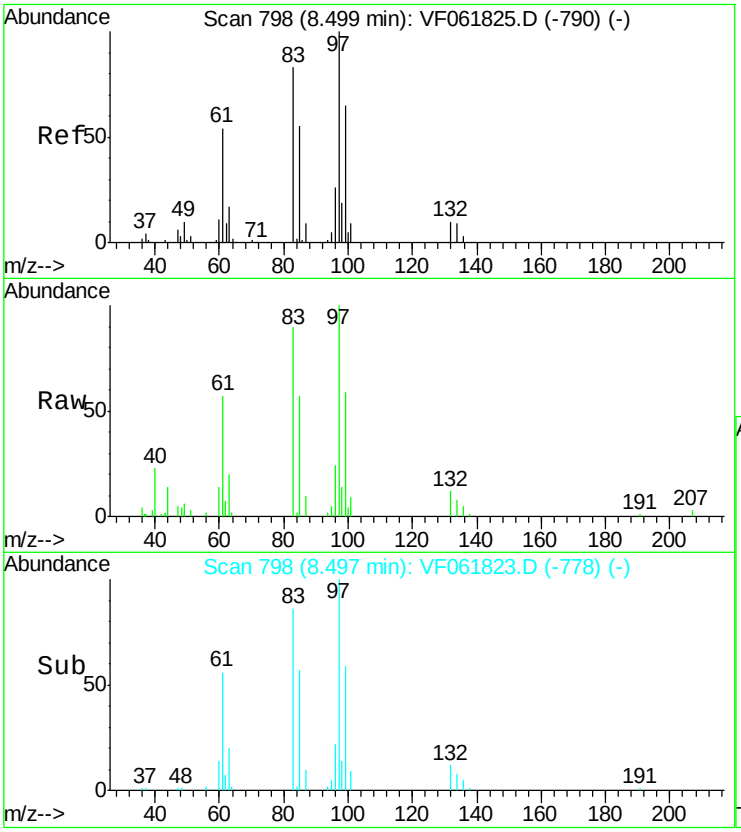




#54
cis-1,3-Dichloropropene
Concen: 9.826 ug/l
RT: 7.30 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 75 Resp: 45209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.3 | 26.4 | 39.6 |
| 39 | 49.9 | 36.0 | 54.0 |



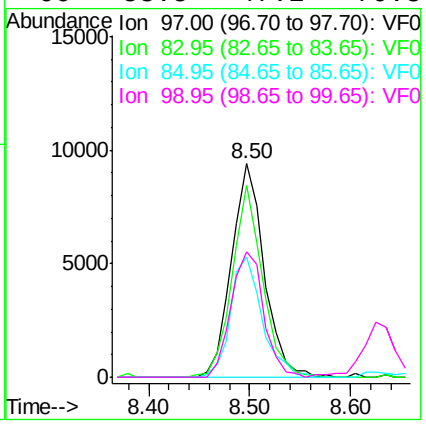


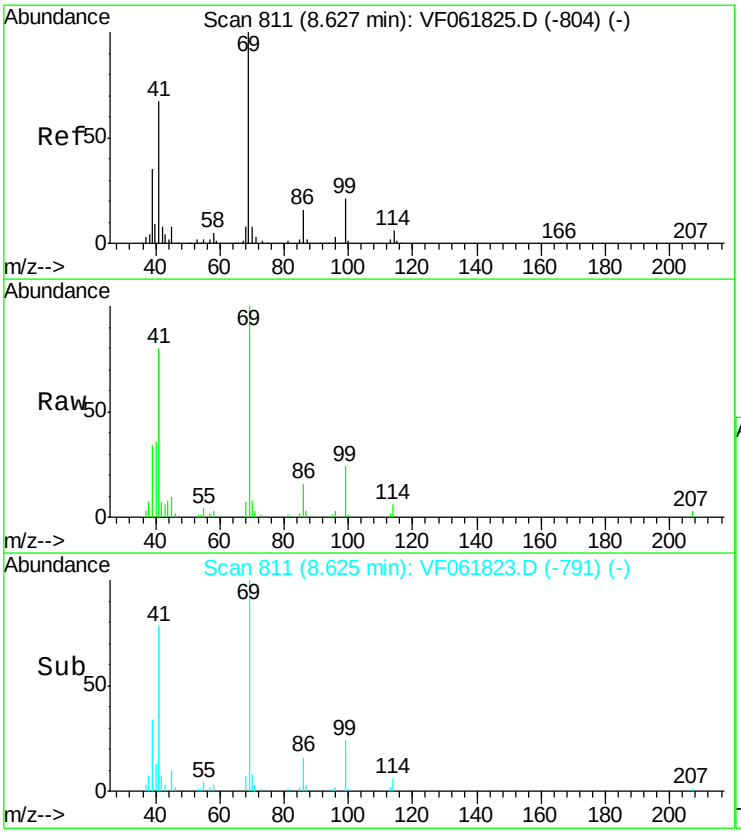

#55
1,1,2-Trichloroethane
Concen: 9.291 ug/l
RT: 8.50 min Scan# 798
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 97 Resp: 21084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.6 | 69.2 | 103.8 |
| 85 | 56.6 | 43.0 | 64.4 |
| 99 | 58.5 | 47.2 | 70.8 |

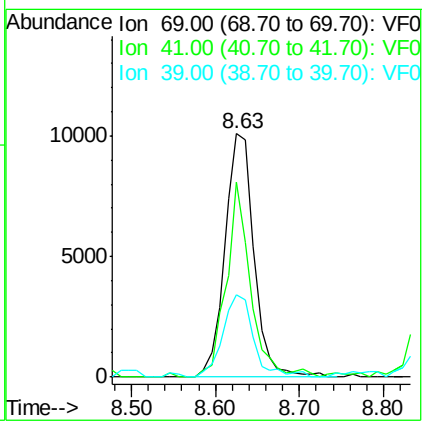


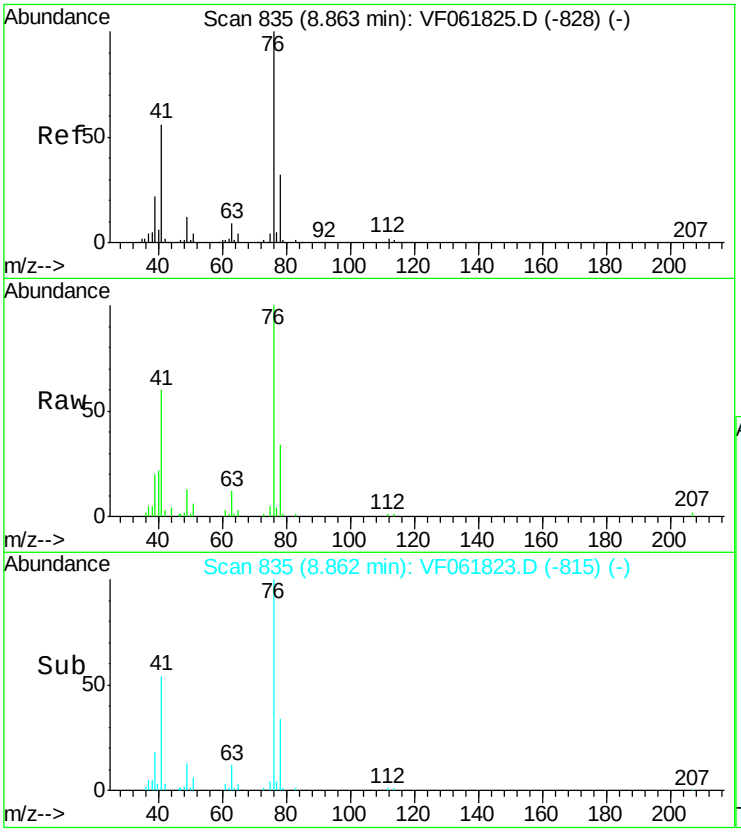




#56
Ethyl methacrylate
Concen: 9.575 ug/l
RT: 8.63 min Scan# 811
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 69 Resp: 24191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 80.0 | 52.9 | 79.3# |
| 39 | 33.9 | 24.5 | 36.7 |



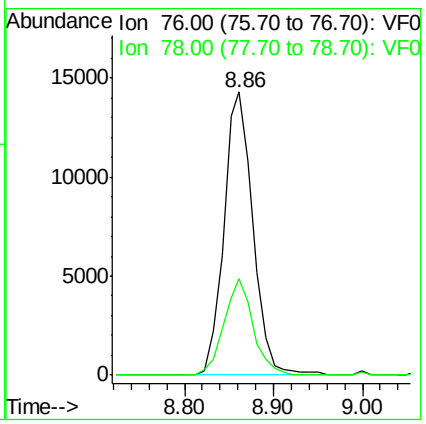


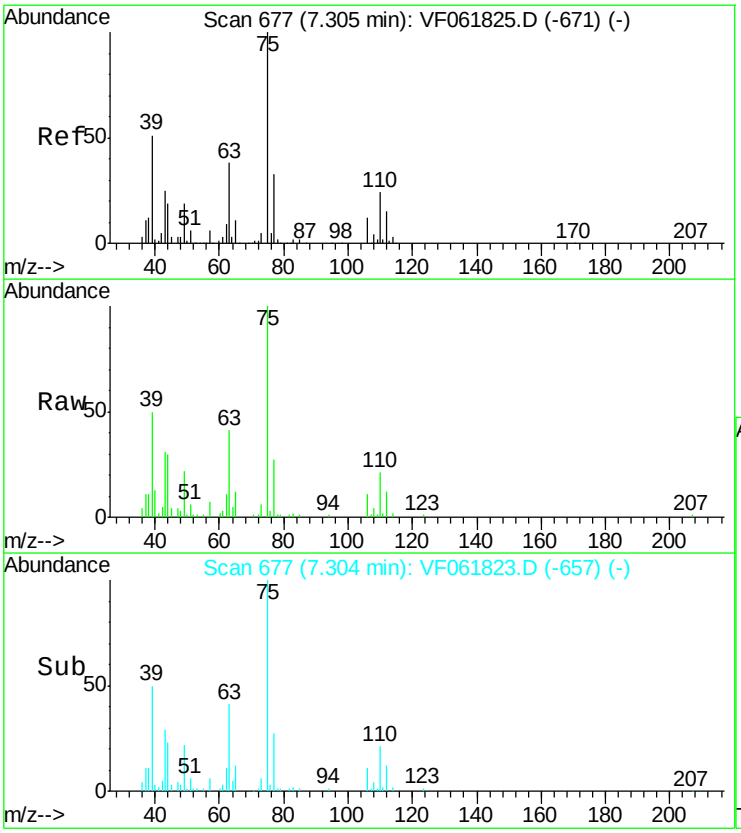

#57
1,3-Dichloropropane
Concen: 8.608 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion: 76 Resp: 32604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 34.3 | 27.8 | 41.6 |

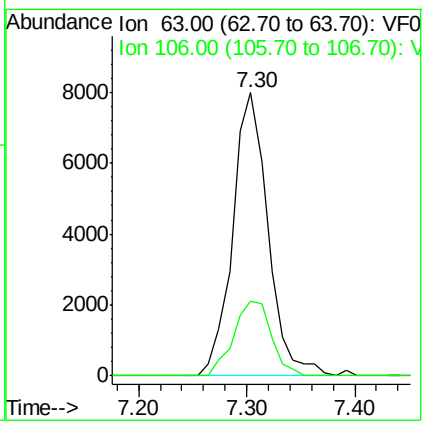


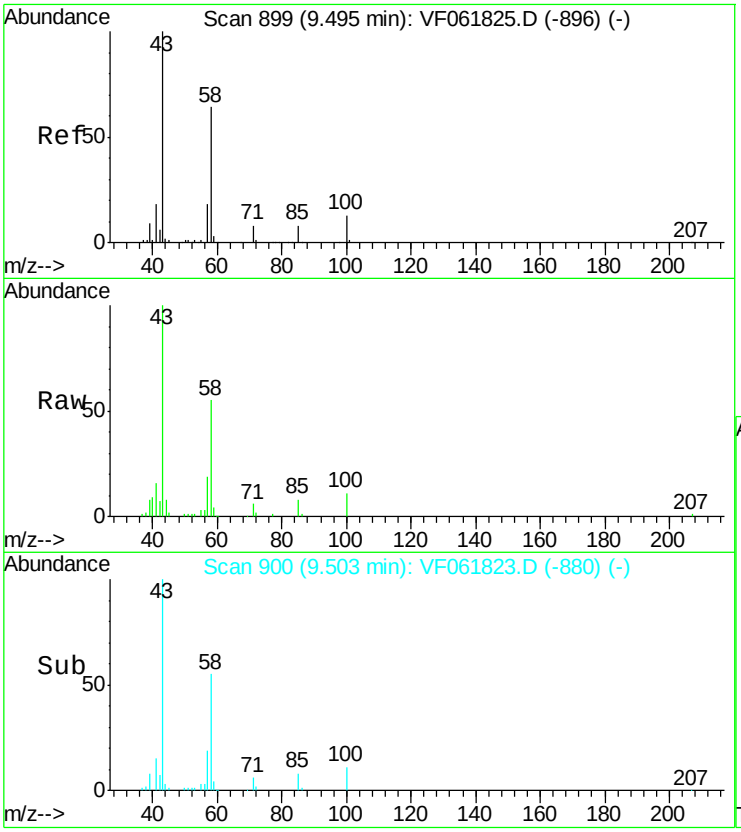




#58
2-Chloroethyl Vinyl ether
Concen: 41.796 ug/l
RT: 7.30 min Scan# 677
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 63 Resp: 18219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 26.4 | 24.6 | 36.8 |



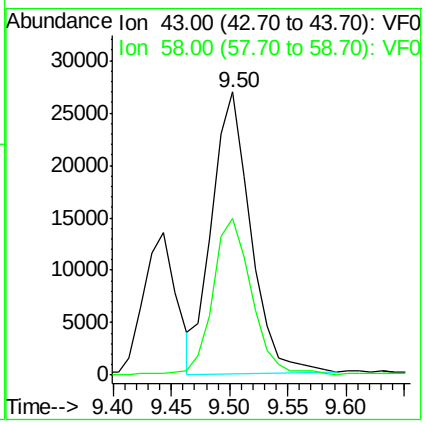


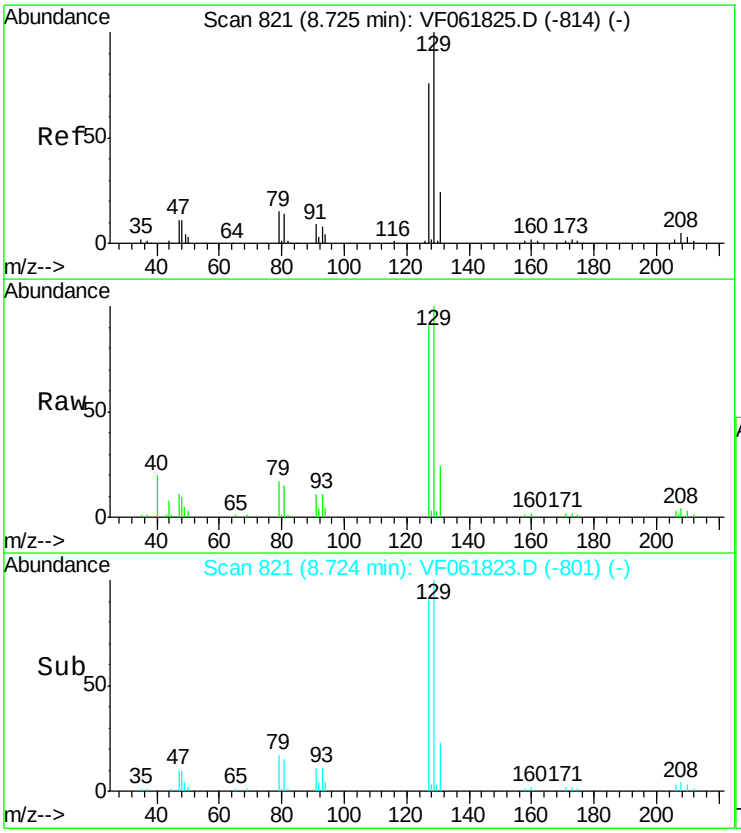

#59
2-Hexanone
Concen: 46.178 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 43 Resp: 61911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.2 | 28.5 | 85.5 |

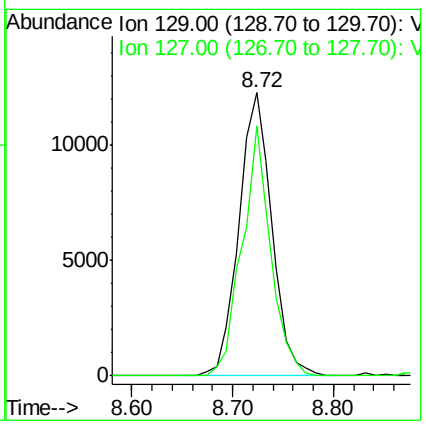


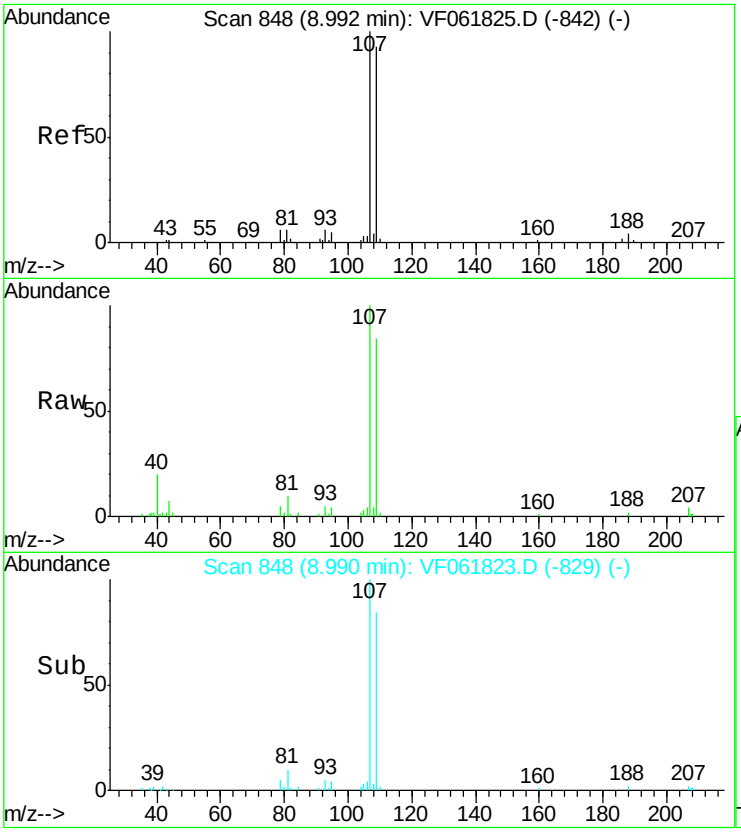




#60
Dibromochloromethane
Concen: 8.843 ug/l
RT: 8.72 min Scan# 821
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:129 Resp: 27930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 88.2 | 37.8 | 113.4 |



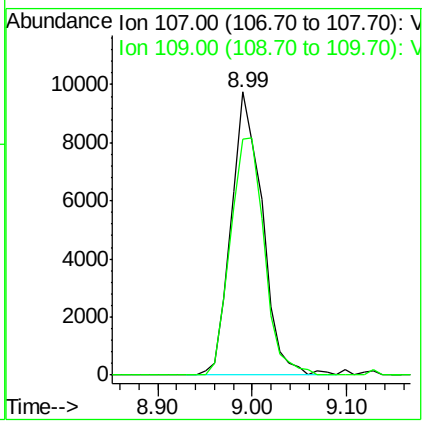


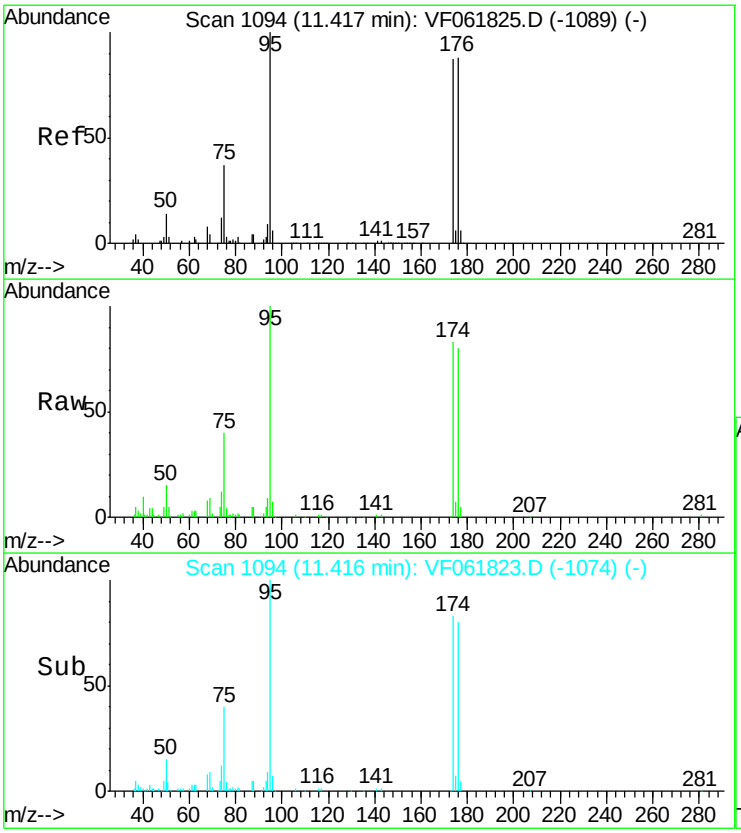

#61
1,2-Dibromoethane
Concen: 9.038 ug/l
RT: 8.99 min Scan# 848
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion:107 Resp: 22244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 83.5 | 77.4 | 116.0 |

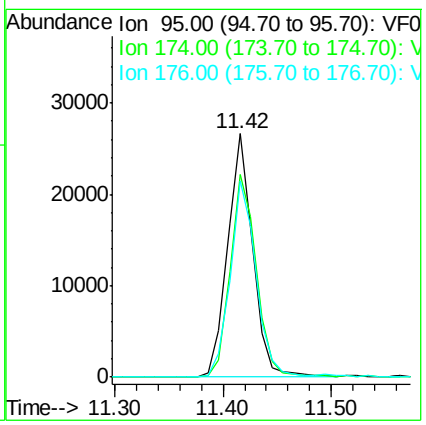


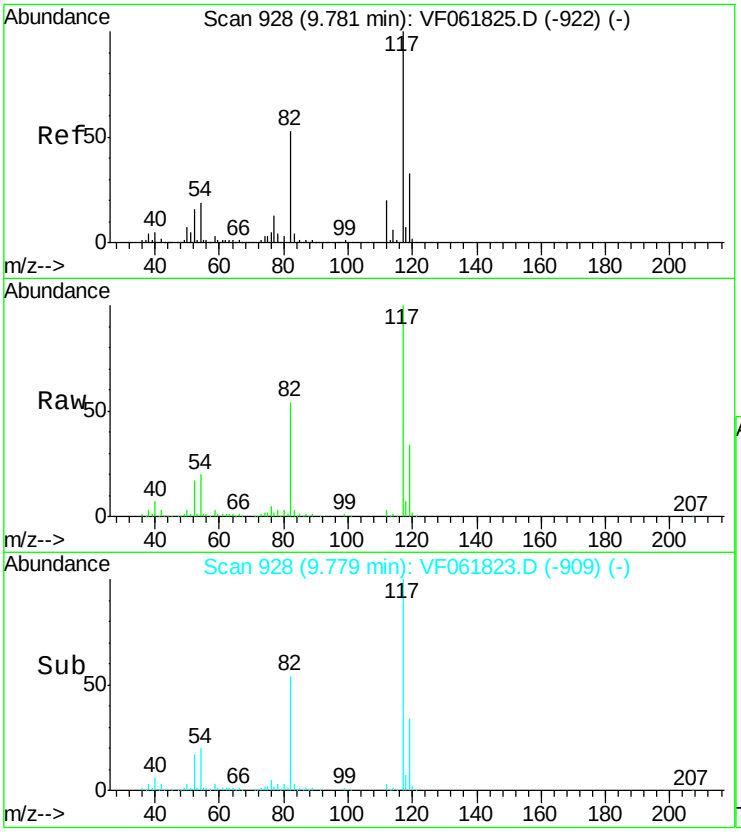




#62
4-Bromofluorobenzene
Concen: 10.189 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 95 Resp: 43255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.5 | 0.0 | 165.8 |
| 176 | 80.4 | 0.0 | 167.0 |



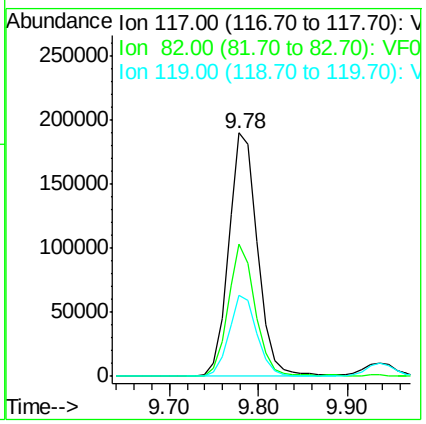


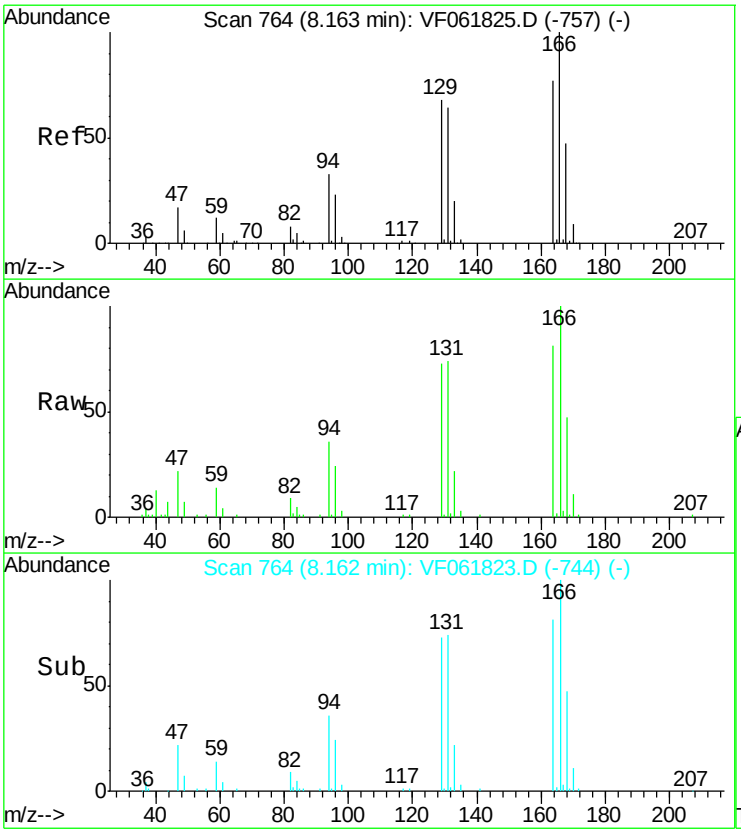

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion:117 Resp: 429765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 39.3 | 58.9 |
| 119 | 33.5 | 26.6 | 40.0 |

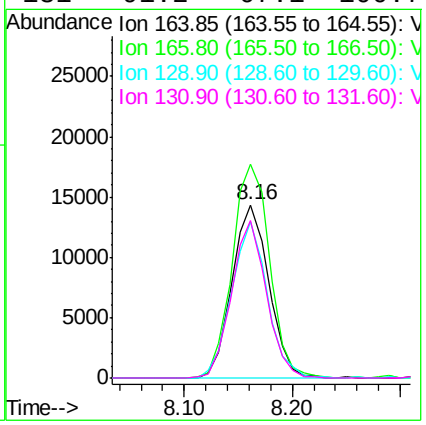


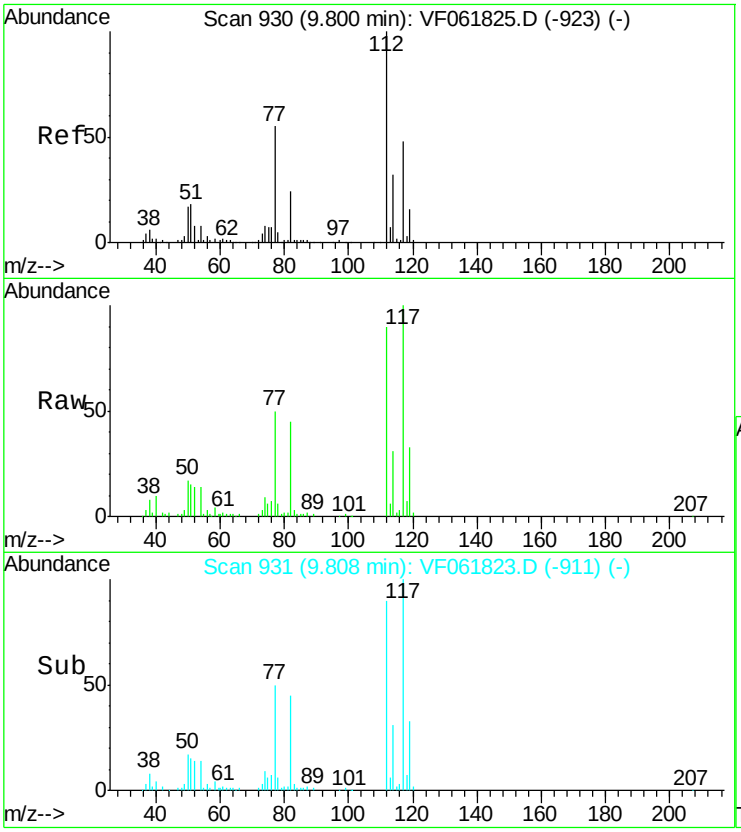




#64
Tetrachloroethene
Concen: 9.676 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:164 Resp: 33990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.2 | 103.9 | 155.9 |
| 129 | 90.2 | 71.3 | 106.9 |
| 131 | 91.2 | 67.1 | 100.7 |



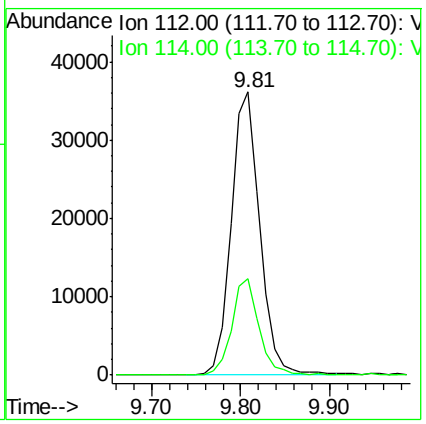


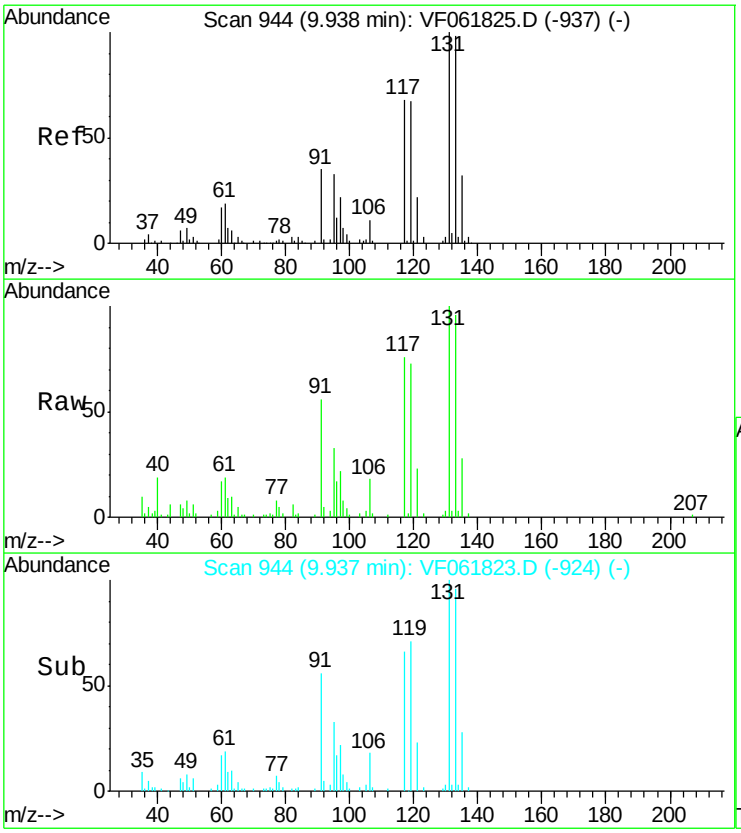

#65
Chlorobenzene
Concen: 9.293 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:112 Resp: 81047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.1 | 26.2 | 39.2 |

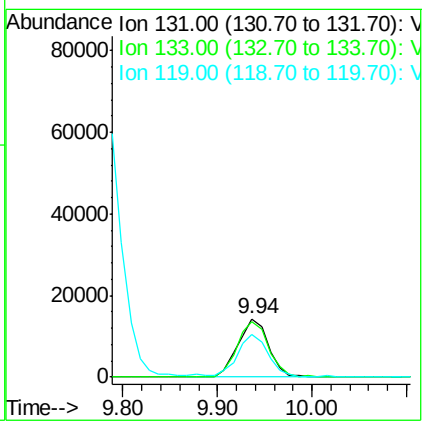


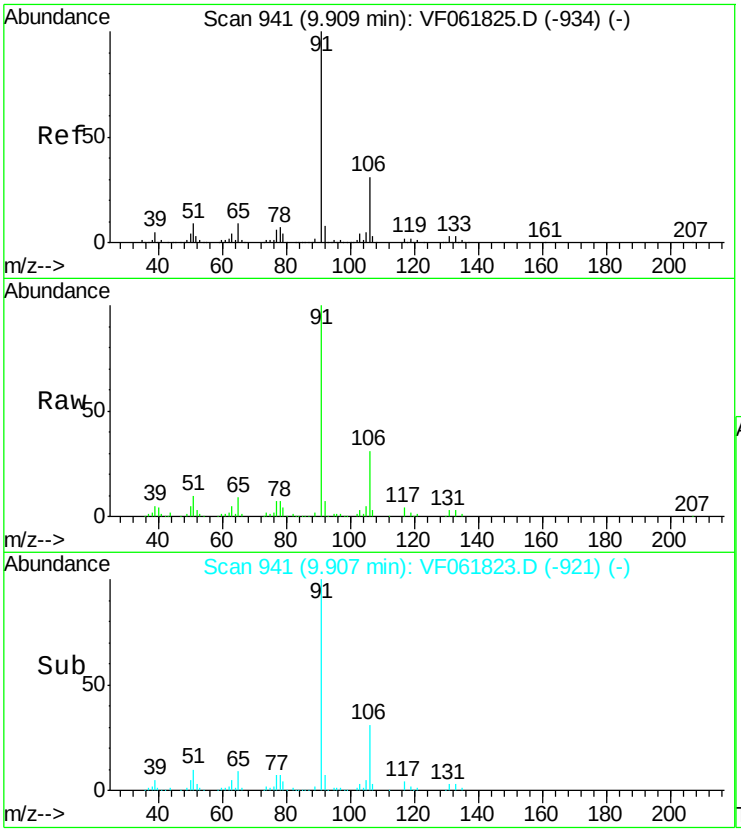




#66
1,1,1,2-Tetrachloroethane
Concen: 9.399 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:131 Resp: 32118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.9 | 48.9 | 146.6 |
| 119 | 73.2 | 34.8 | 104.3 |



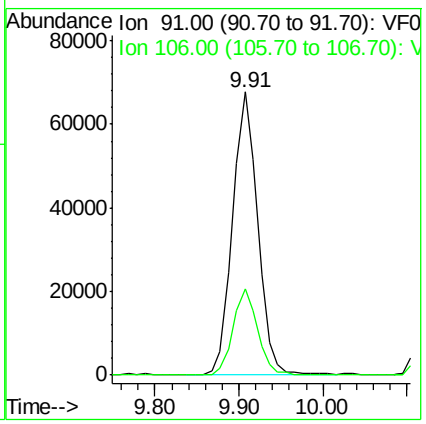


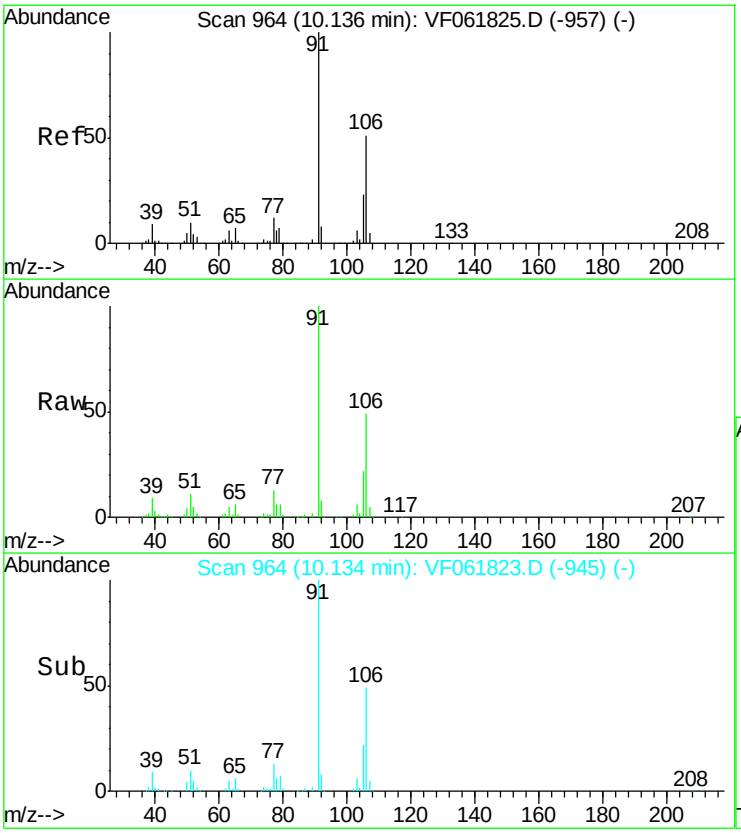

#67
Ethyl Benzene
Concen: 9.747 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 141356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 24.1 | 36.1 |

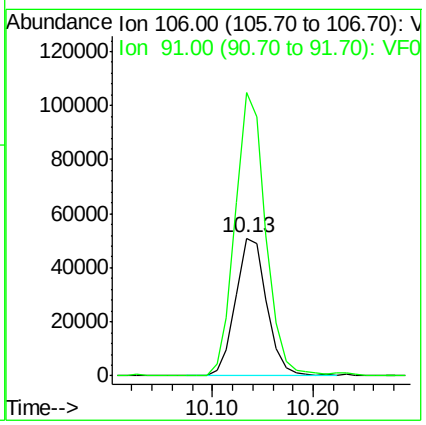


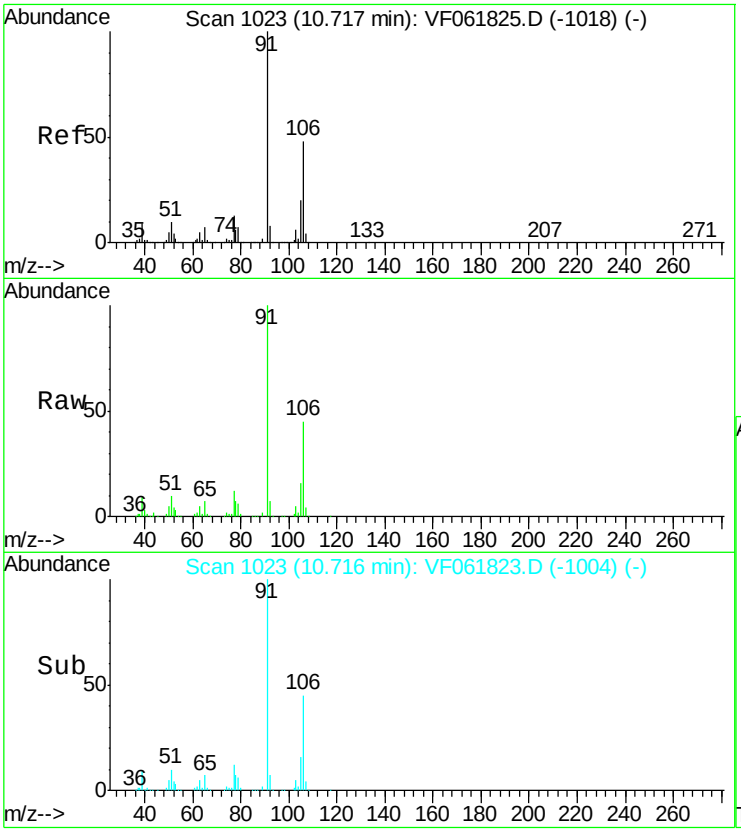




#68
m/p-Xylenes
Concen: 19.862 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:106 Resp: 110241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.5 | 153.0 | 229.6 |



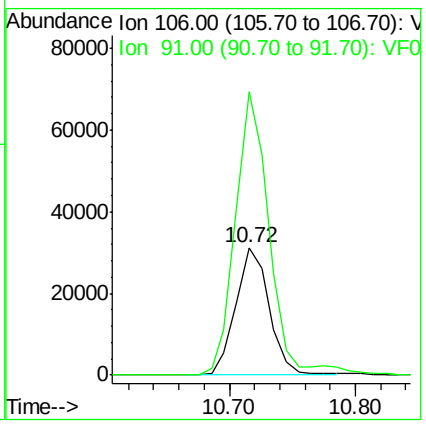


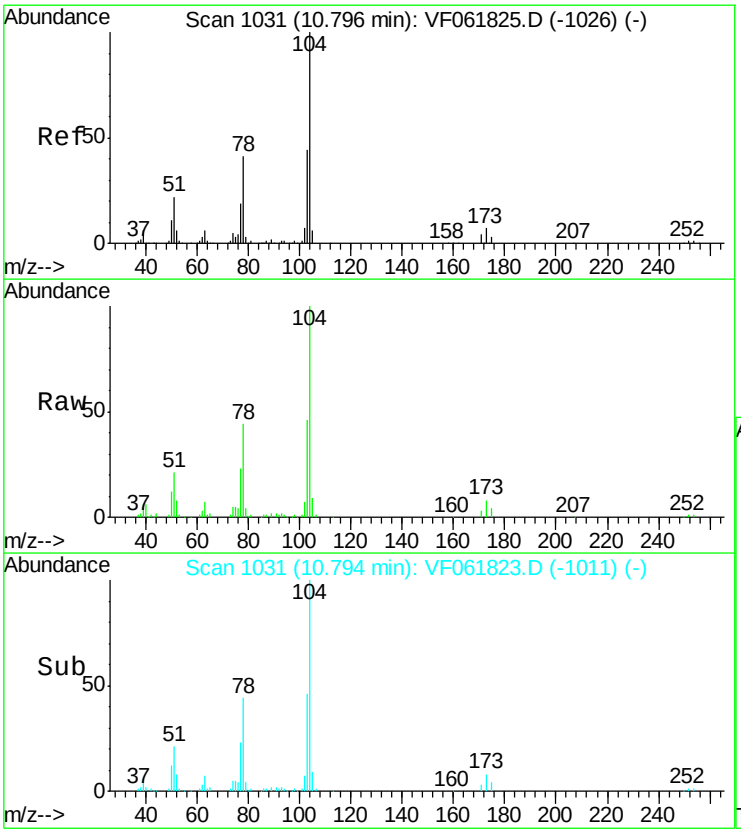

#69
o-Xylene
Concen: 9.733 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:106 Resp: 57646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.7 | 100.1 | 300.1 |

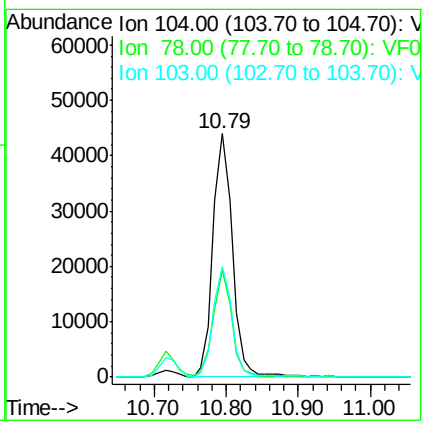


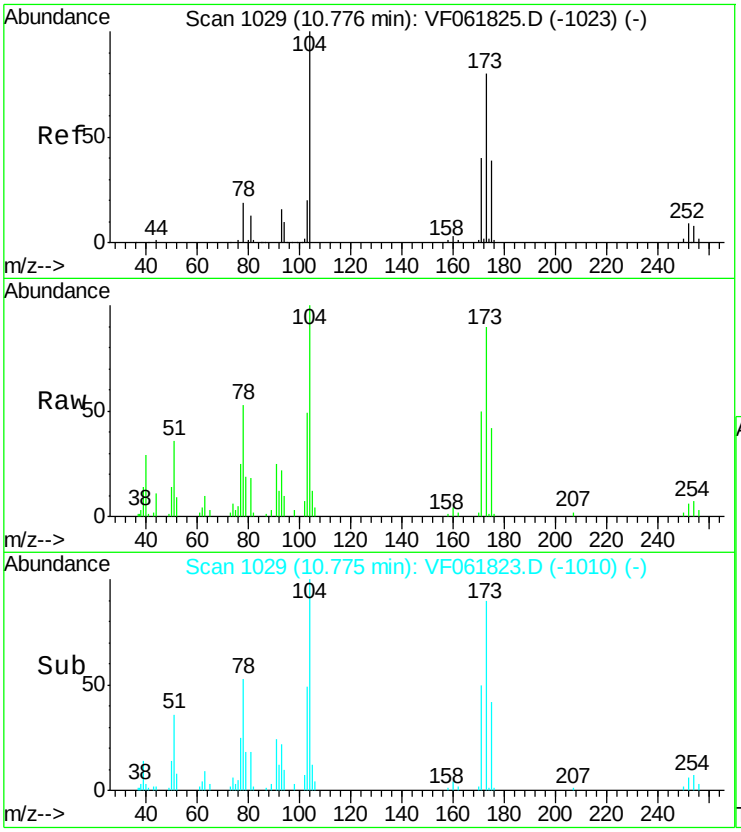




#70
Styrene
Concen: 9.725 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:104 Resp: 81478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 43.9 | 33.2 | 49.8 |
| 103 | 45.6 | 37.2 | 55.8 |



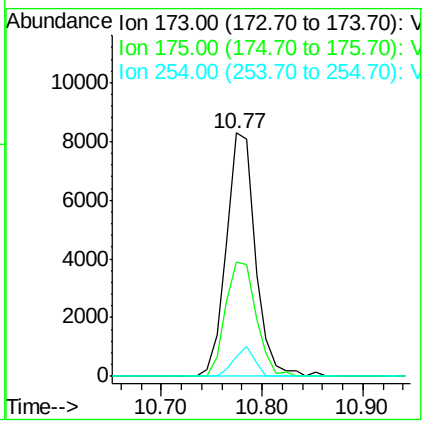


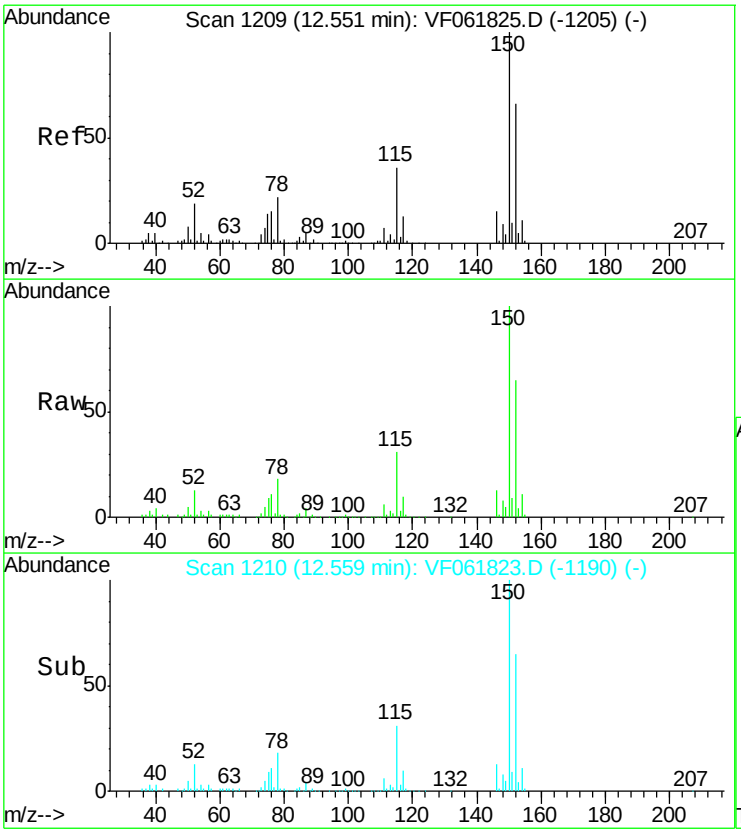

#71
Bromoform
Concen: 8.938 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:173 Resp: 16586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 24.0 | 72.0 |
| 254 | 8.2 | 8.2 | 12.2 |

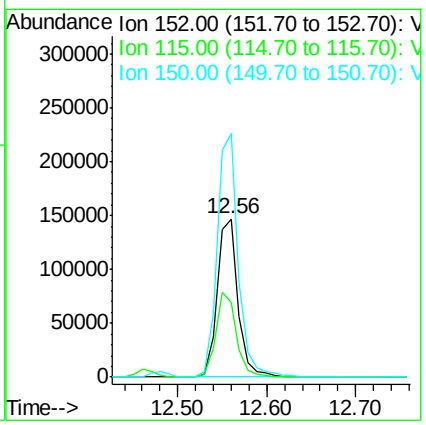


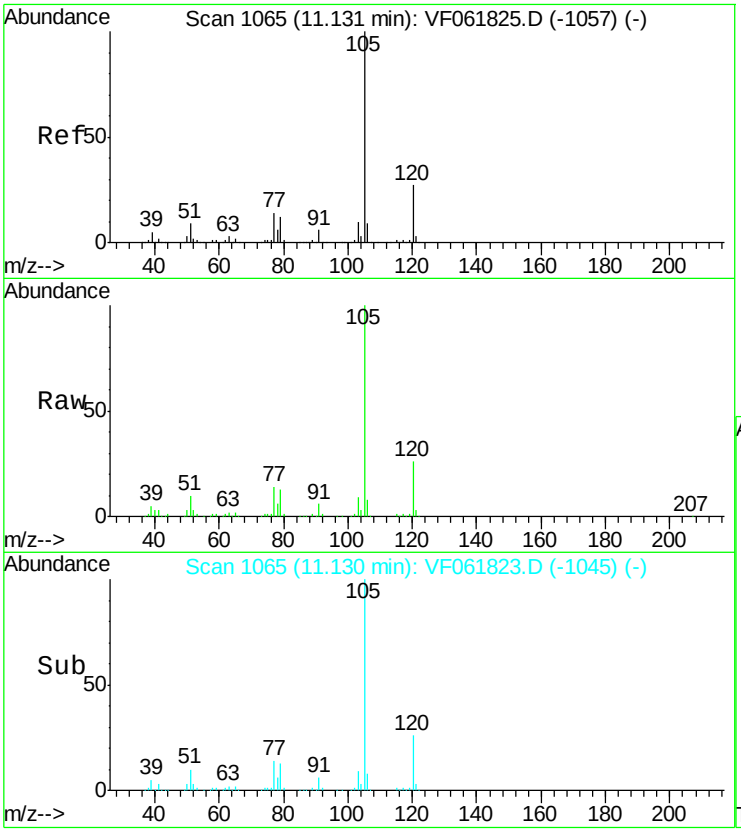




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:152 Resp: 241988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 47.2 | 24.3 | 72.8 |
| 150 | 154.1 | 0.0 | 312.0 |



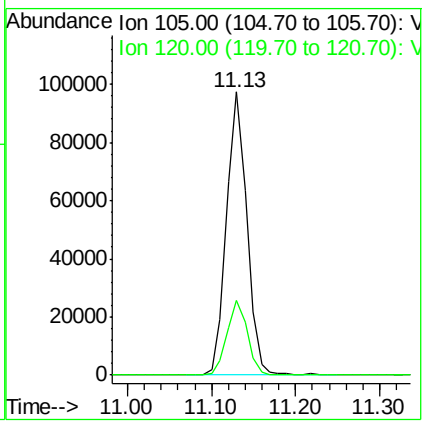


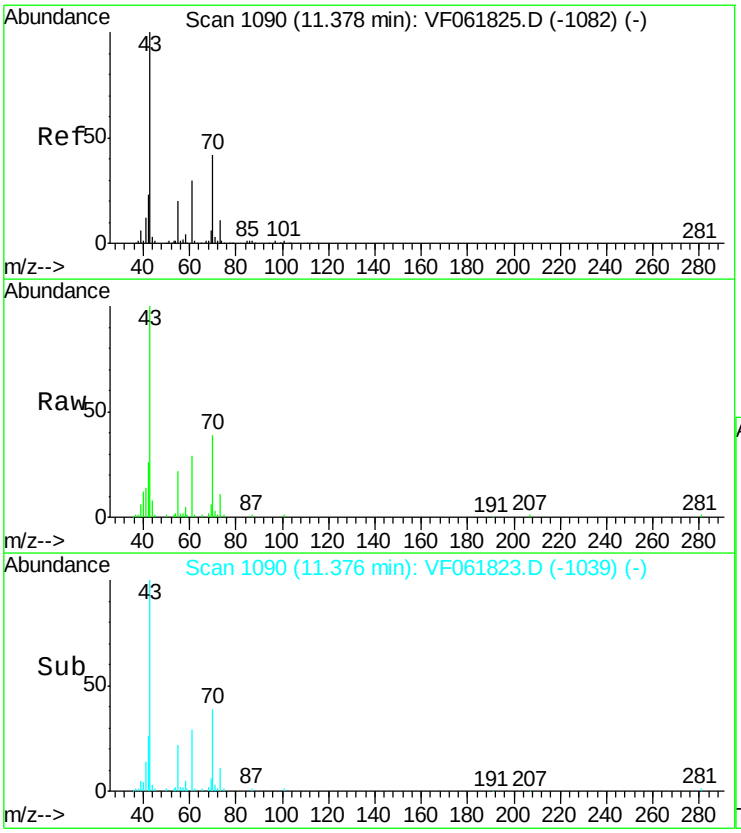

#73
Isopropylbenzene
Concen: 9.574 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion:105 Resp: 164948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.4 | 40.1 |

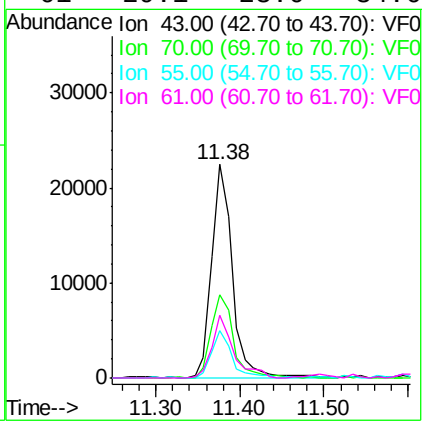


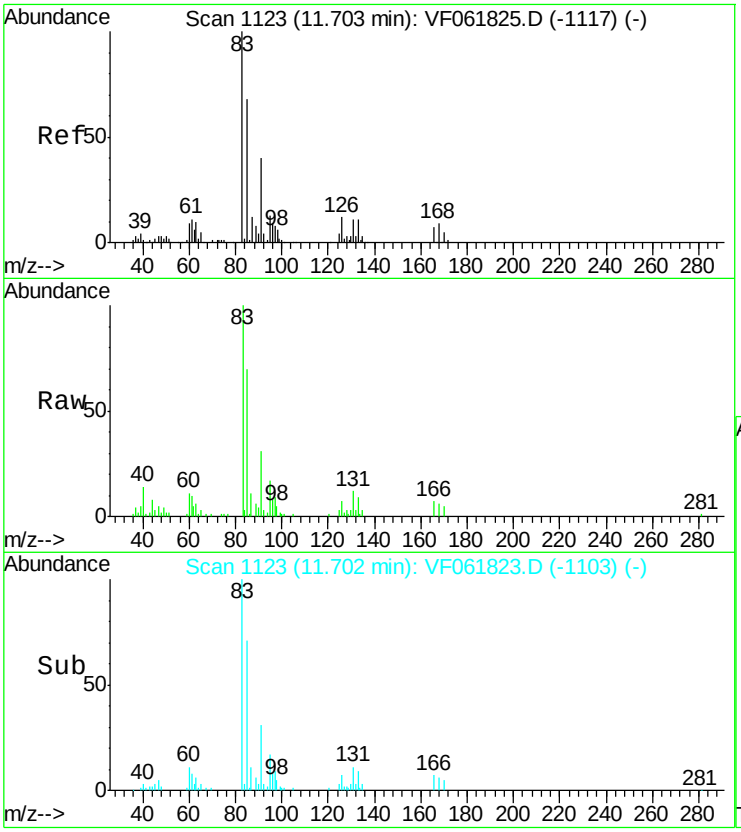




#74
N-amyl acetate
Concen: 9.401 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 43 Resp: 38877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.2 | 31.5 | 47.3 |
| 55 | 22.2 | 16.7 | 25.1 |
| 61 | 29.1 | 23.0 | 34.6 |



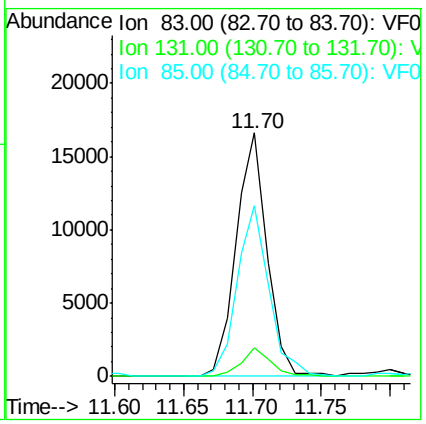


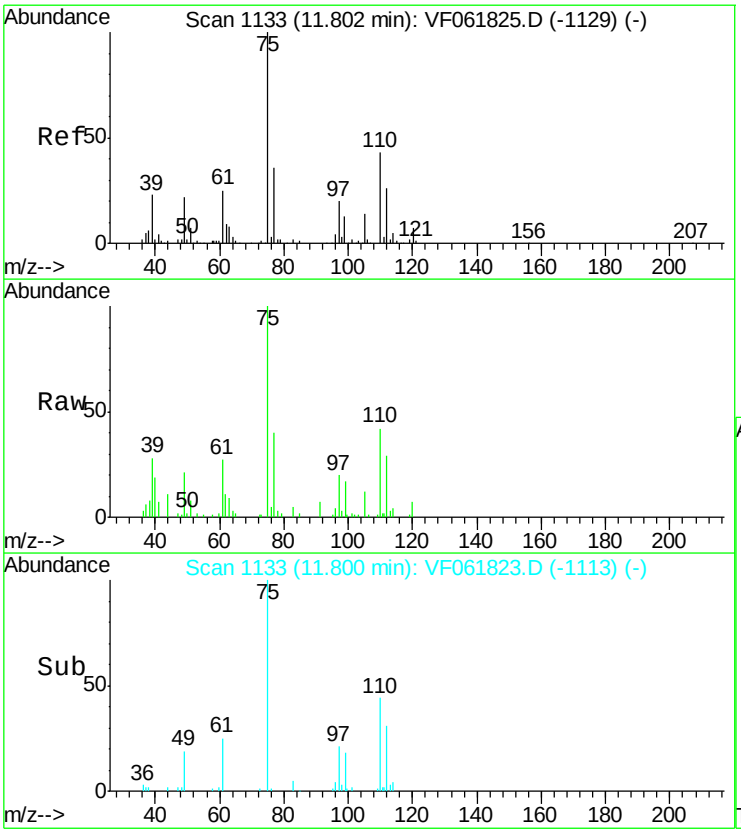

#75
1,1,2,2-Tetrachloroethane
Concen: 8.436 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 83 Resp: 26038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 12.0 | 4.4 | 13.2 |
| 85 | 70.0 | 31.5 | 94.5 |

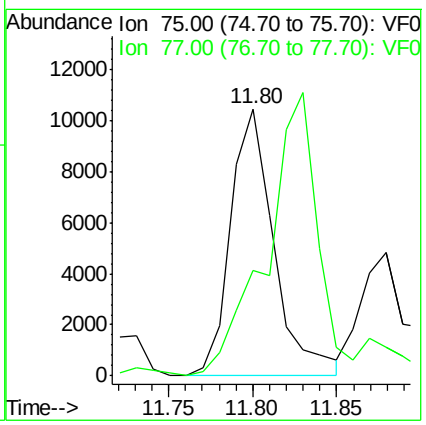


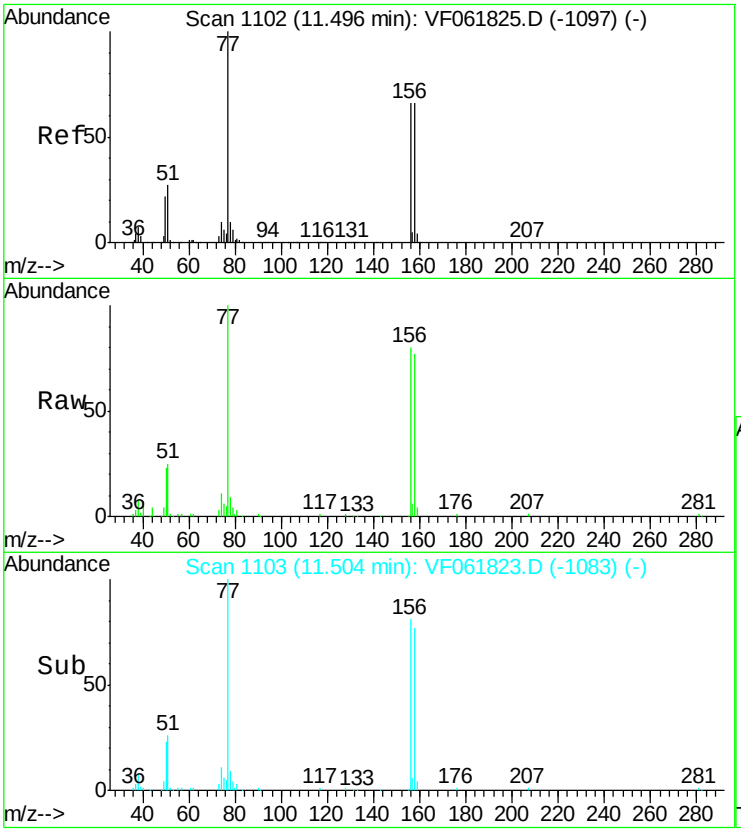




#76
1,2,3-Trichloropropane
Concen: 8.955 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 75 Resp: 18793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.5 | 16.6 | 49.7 |



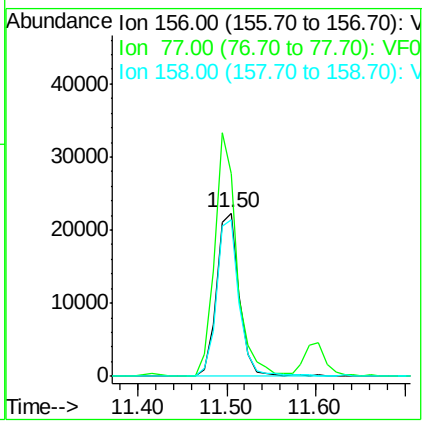


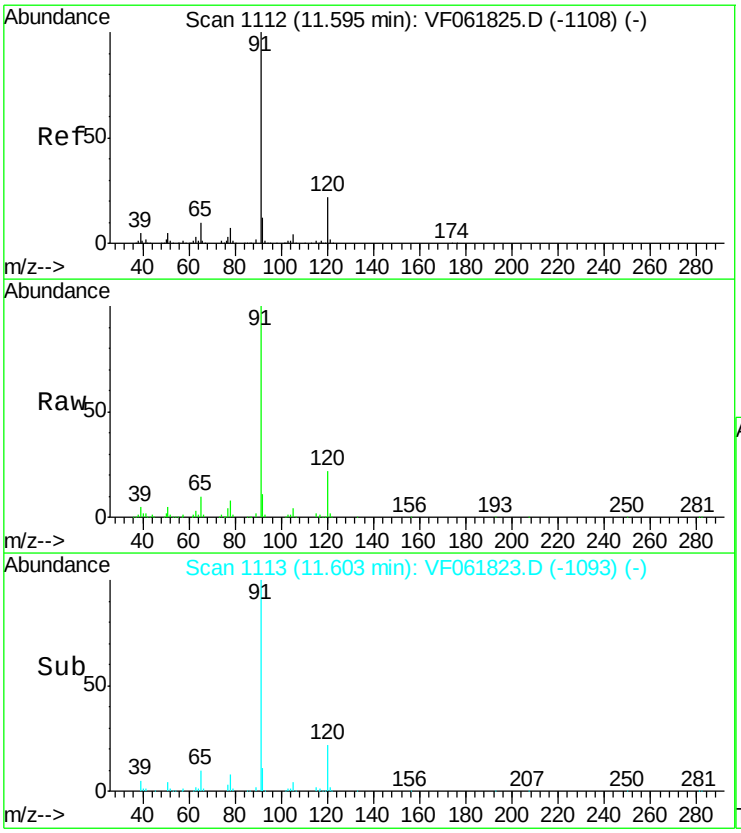

#77
Bromobenzene
Concen: 9.401 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:156 Resp: 40016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 124.3 | 64.3 | 192.7 |
| 158 | 95.4 | 50.9 | 152.7 |

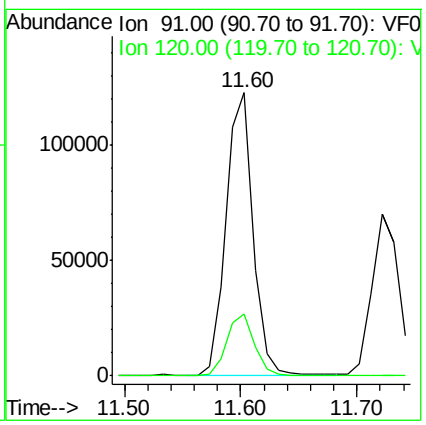


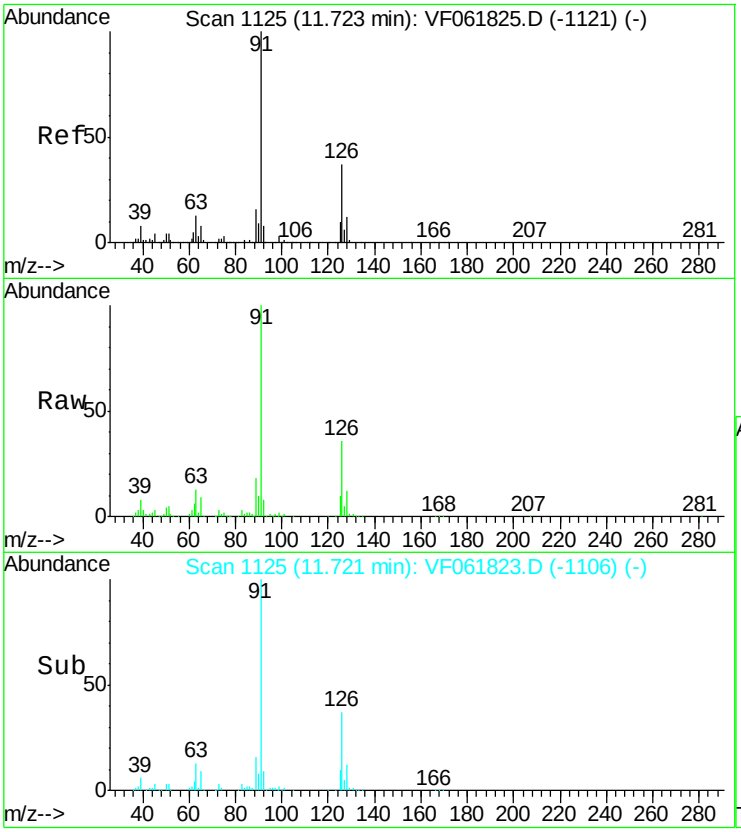




#78
n-propylbenzene
Concen: 9.964 ug/l
RT: 11.60 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 91 Resp: 197006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 12.1 | 36.3 |



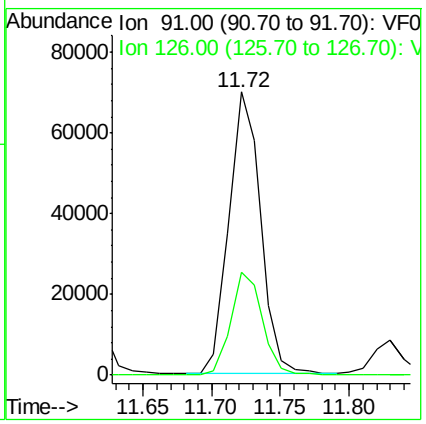


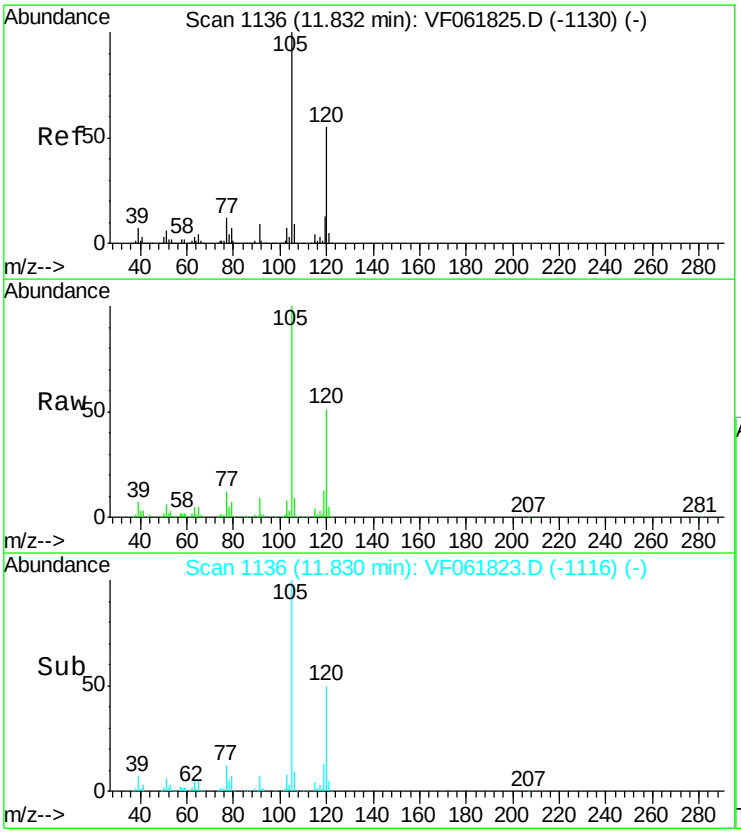

#79
2-Chlorotoluene
Concen: 10.062 ug/l
RT: 11.72 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 111418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 36.3 | 19.8 | 59.4 |

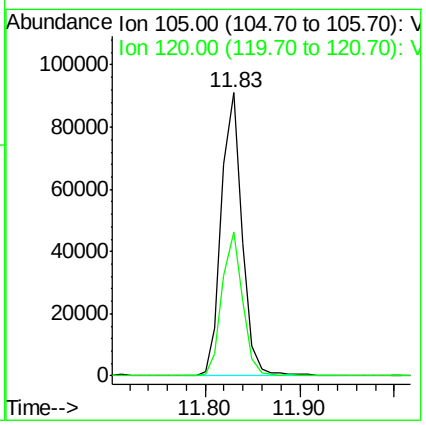


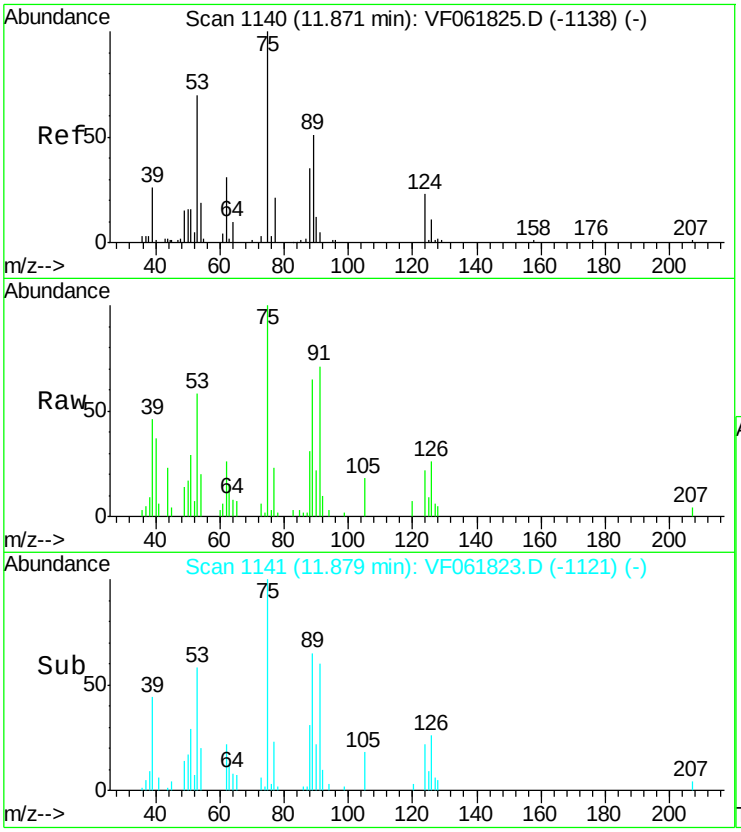




#80
1,3,5-Trimethylbenzene
Concen: 10.054 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:105 Resp: 138446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.9 | 27.9 | 83.6 |



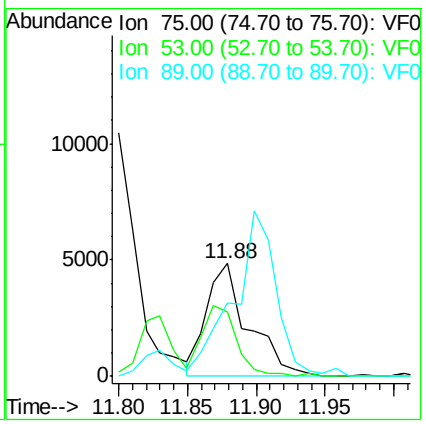


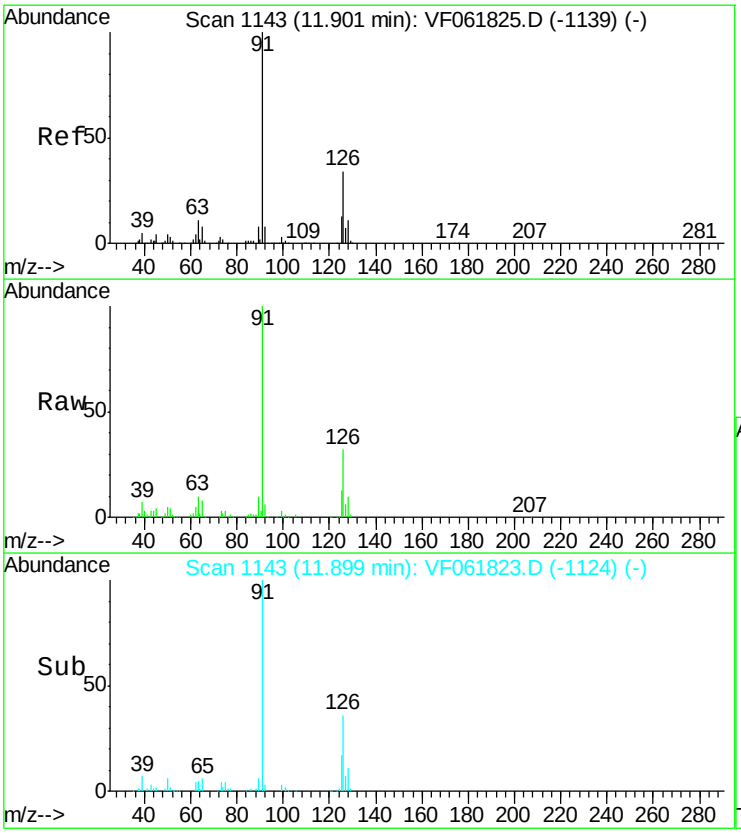

#81
trans-1,4-Dichloro-2-butene
Concen: 10.225 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 75 Resp: 10287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 57.6 | 53.7 | 80.5 |
| 89 | 64.7 | 41.6 | 62.4# |

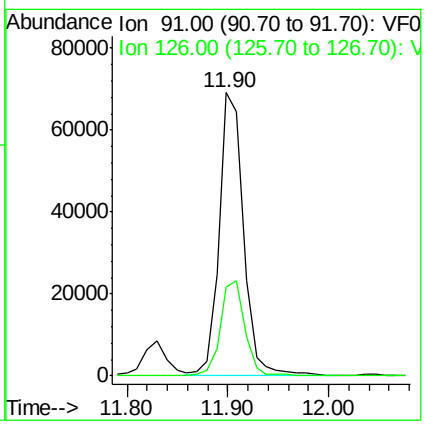


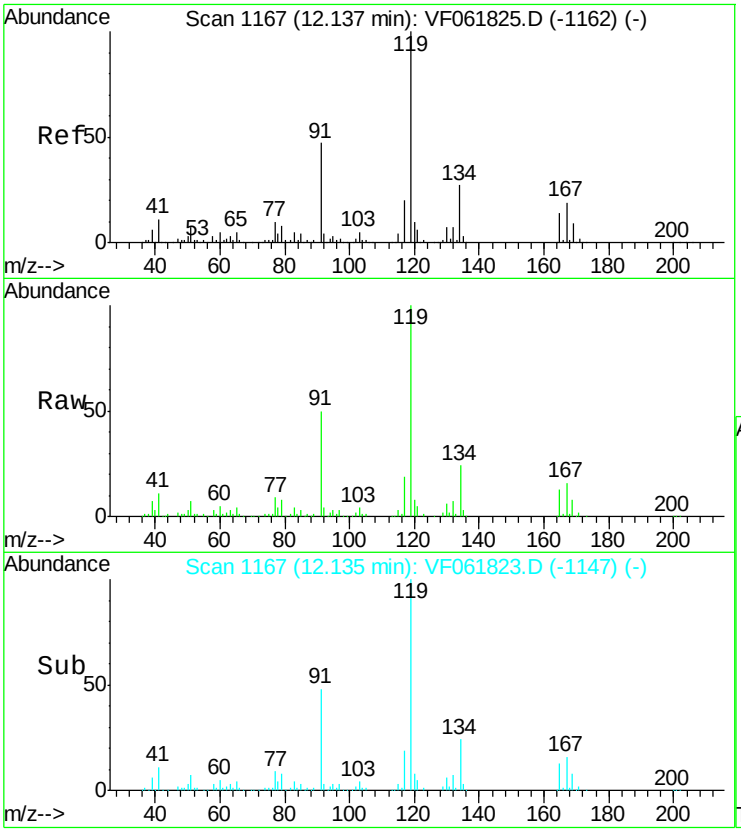




#82
4-Chlorotoluene
Concen: 9.989 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 91 Resp: 114798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.6 | 19.1 | 57.1 |



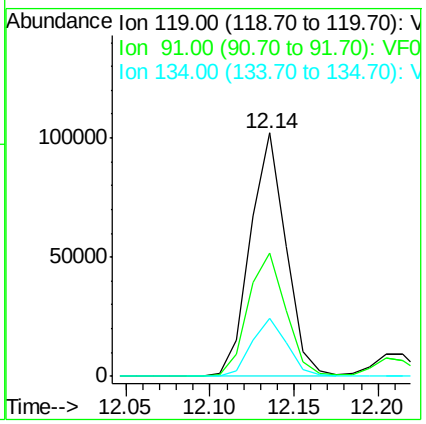


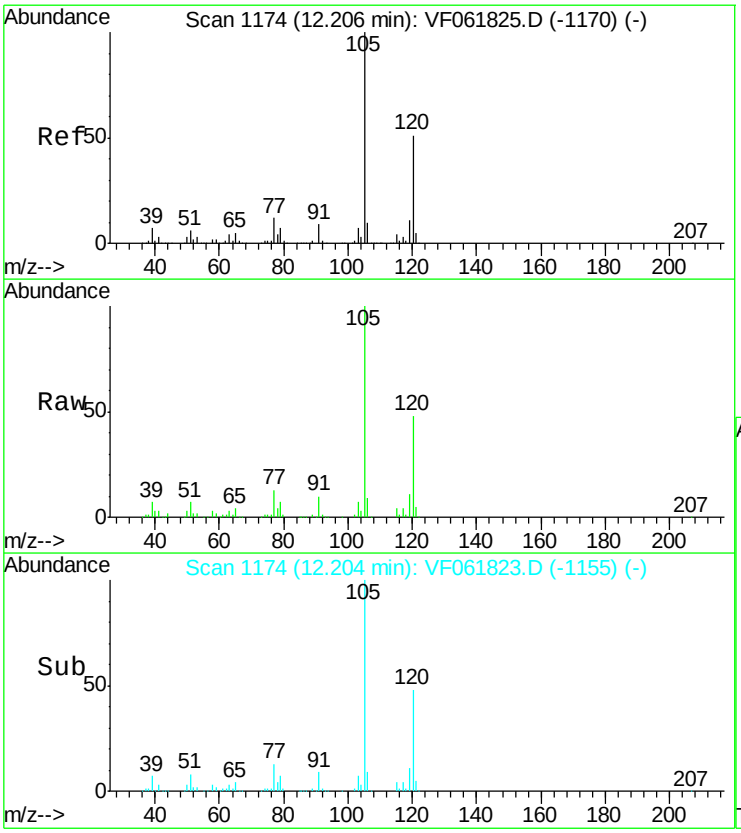

#83
tert-Butylbenzene
Concen: 9.859 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :** MSVOA_F
**ClientSampleId :** VSTDICC010

Tgt Ion:119 Resp: 150366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 50.4 | 26.3 | 78.8 |
| 134 | 23.9 | 12.9 | 38.7 |

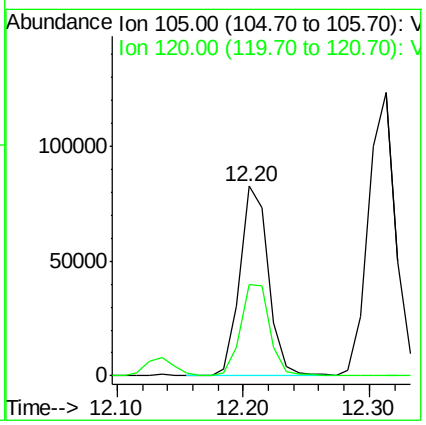


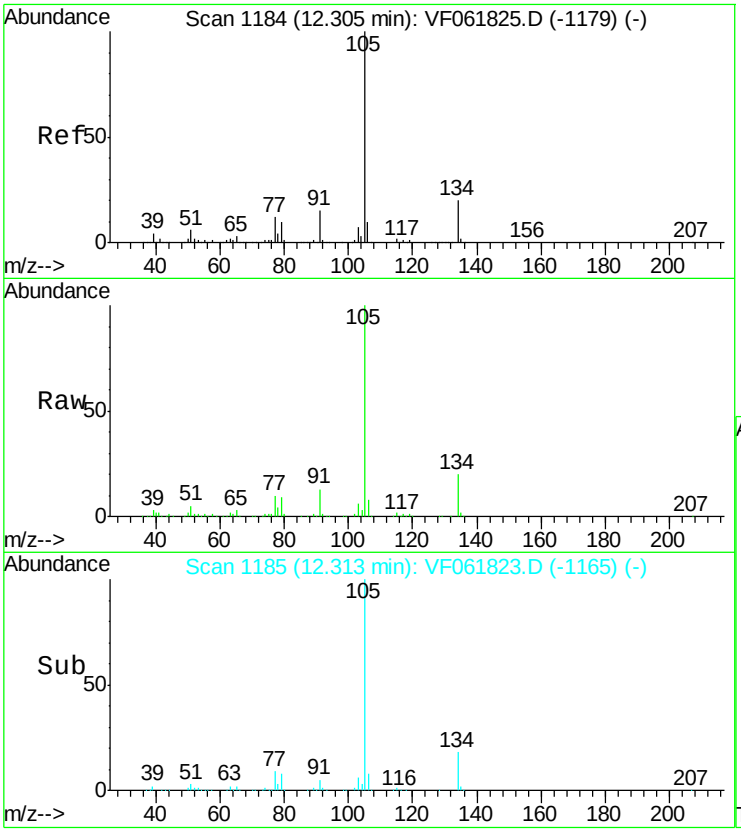




#84
1,2,4-Trimethylbenzene
Concen: 9.448 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:105 Resp: 129255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 26.1 | 78.3 |



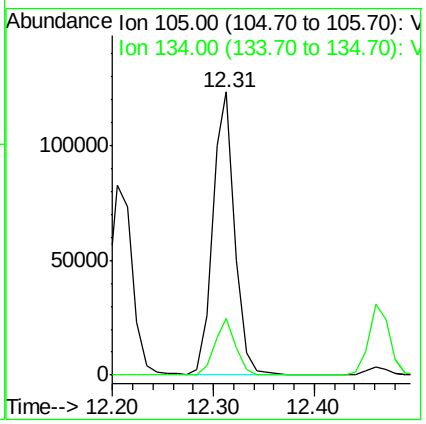


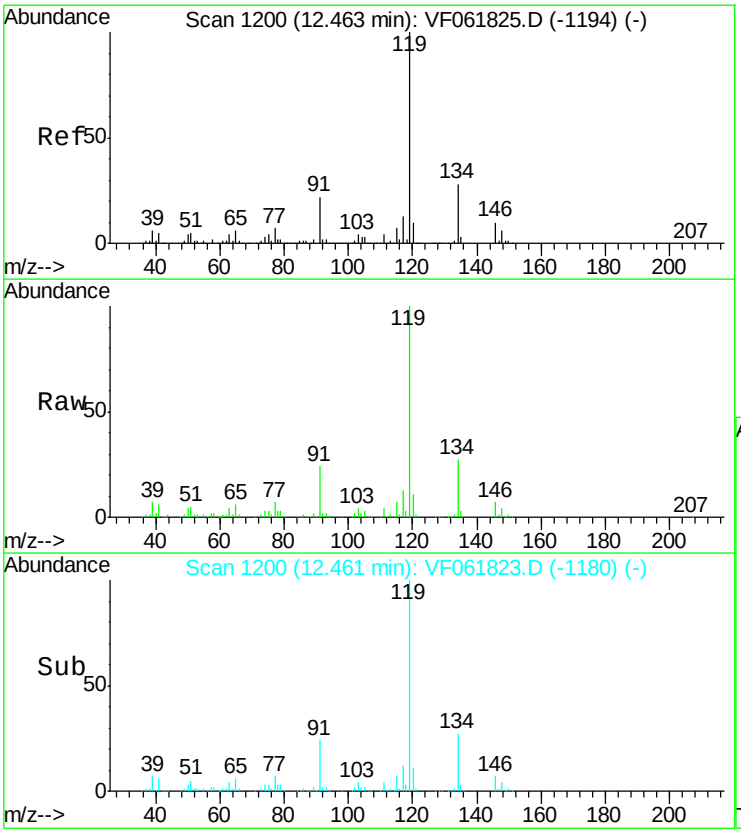

#85
sec-Butylbenzene
Concen: 9.432 ug/l
RT: 12.31 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:105 Resp: 186021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.8 | 32.4 |

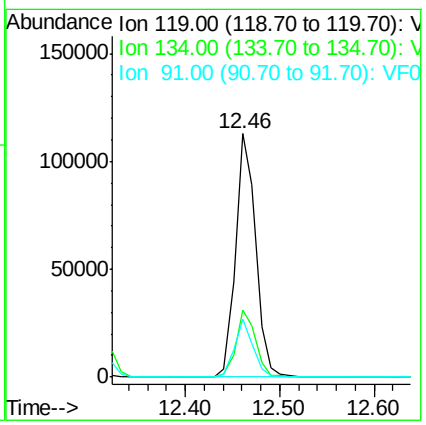


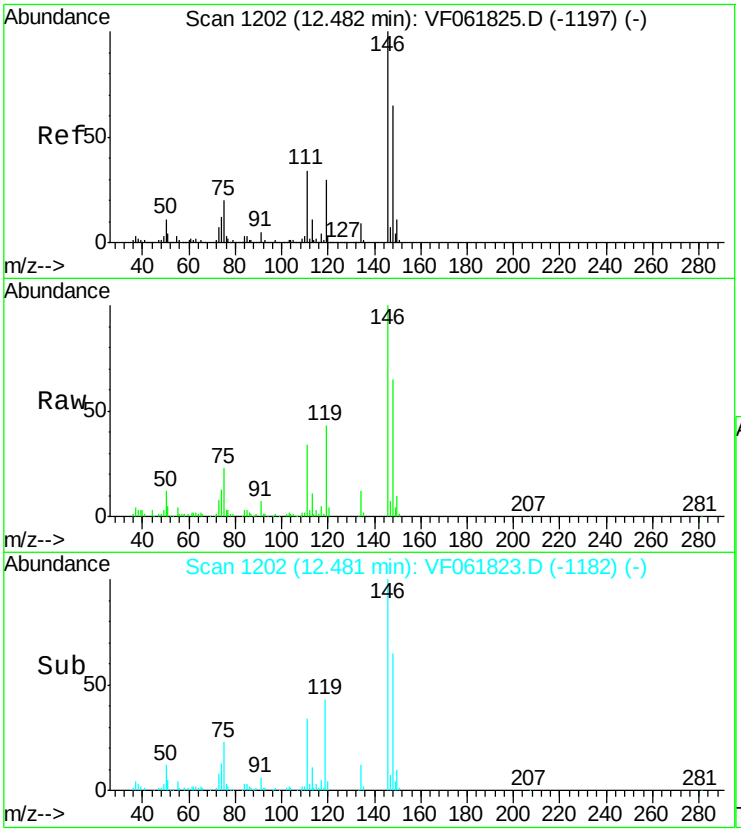




#86
p-Isopropyltoluene
Concen: 10.077 ug/l
RT: 12.46 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:119 Resp: 166803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.3 | 13.7 | 41.1 |
| 91 | 23.9 | 10.8 | 32.4 |



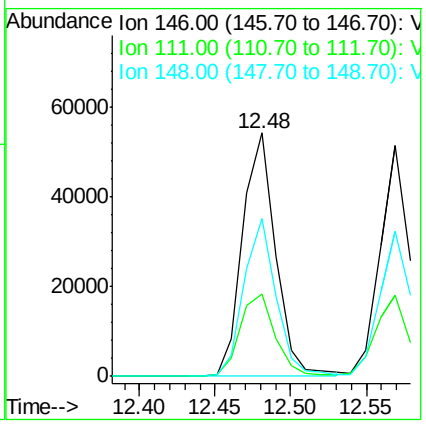


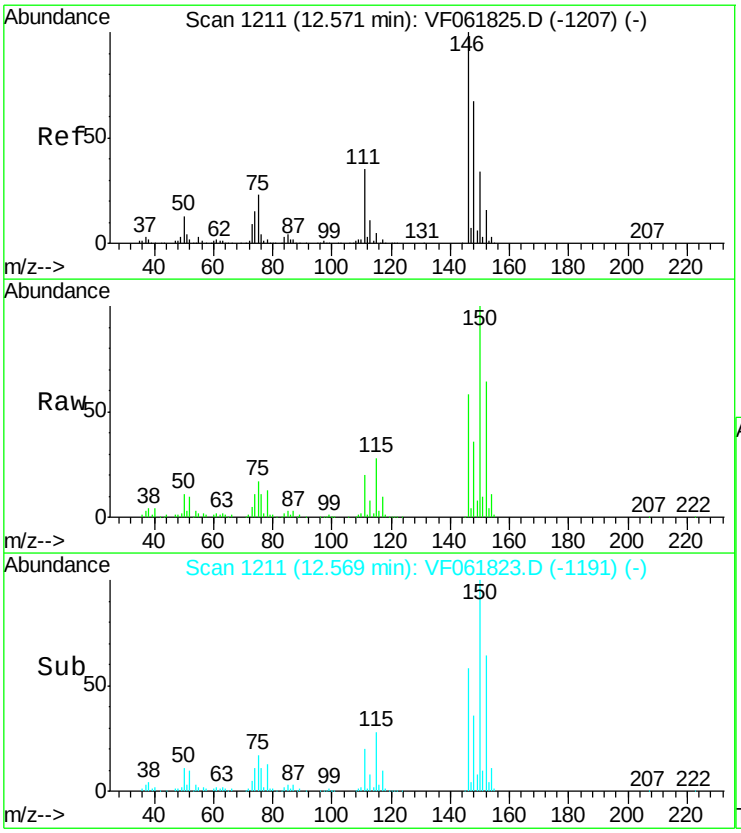

#87
1,3-Dichlorobenzene
Concen: 9.986 ug/l
RT: 12.48 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 82865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.0 | 17.5 | 52.6 |
| 148 | 64.9 | 31.4 | 94.3 |

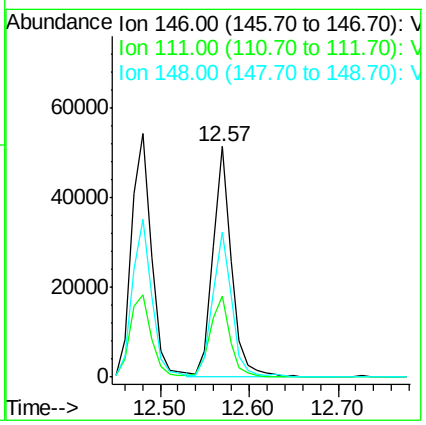


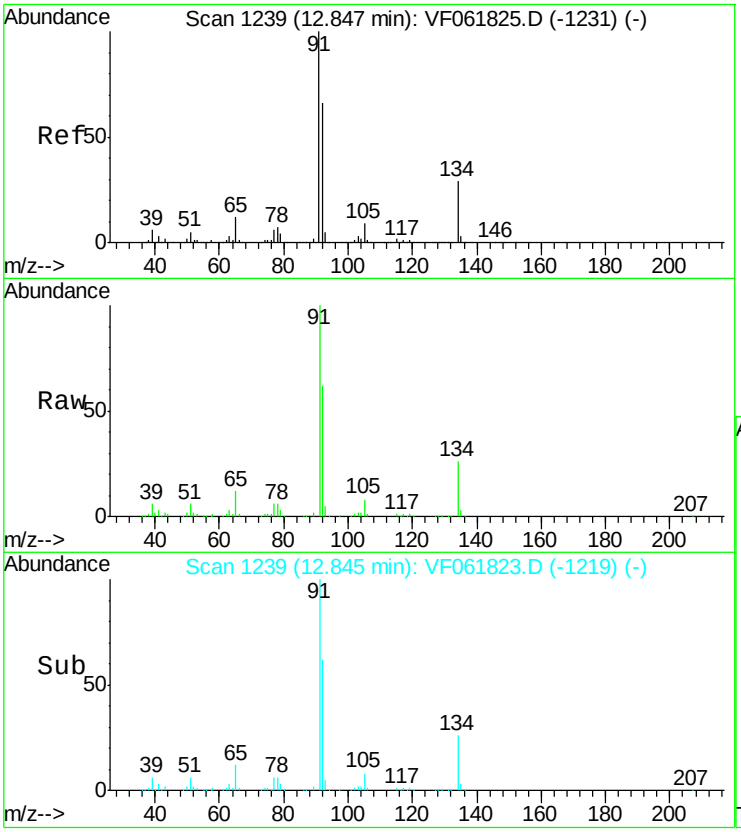




#88
1,4-Dichlorobenzene
Concen: 9.426 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:146 Resp: 75218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.2 | 18.4 | 55.4 |
| 148 | 62.9 | 32.2 | 96.6 |



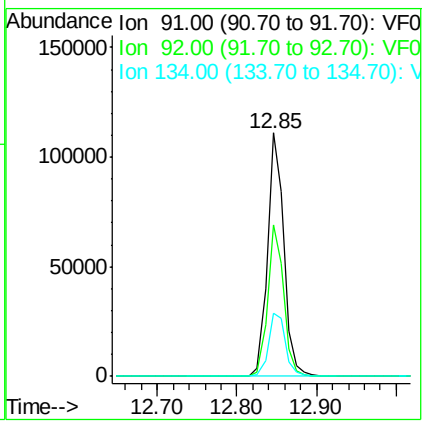


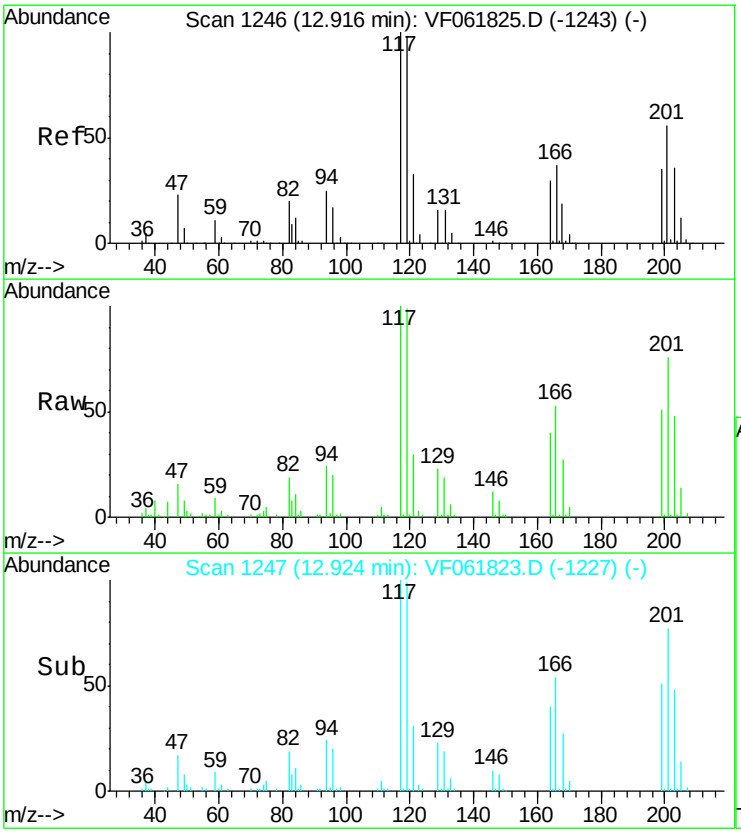

#89
n-Butylbenzene
Concen: 10.190 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion: 91 Resp: 159279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 62.3 | 31.4 | 94.3 |
| 134 | 26.0 | 12.3 | 36.9 |

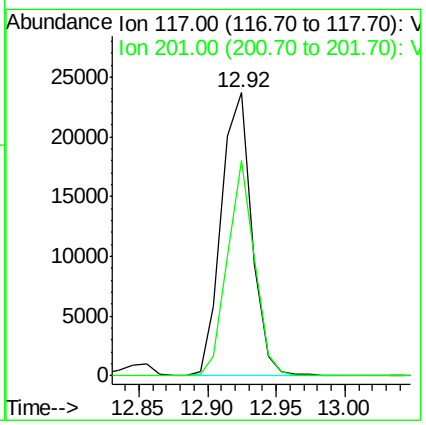


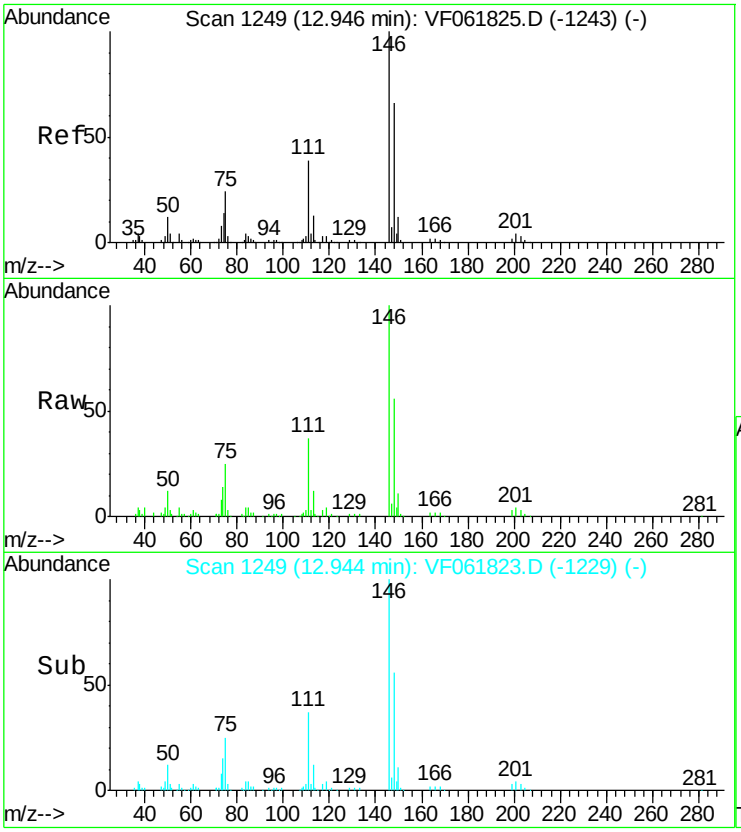




#90
Hexachloroethane
Concen: 9.469 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:117 Resp: 36454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 76.1 | 36.2 | 108.6 |



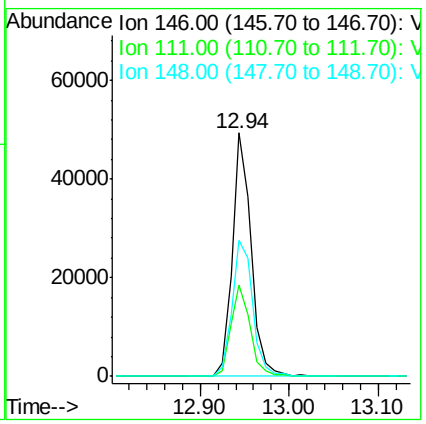


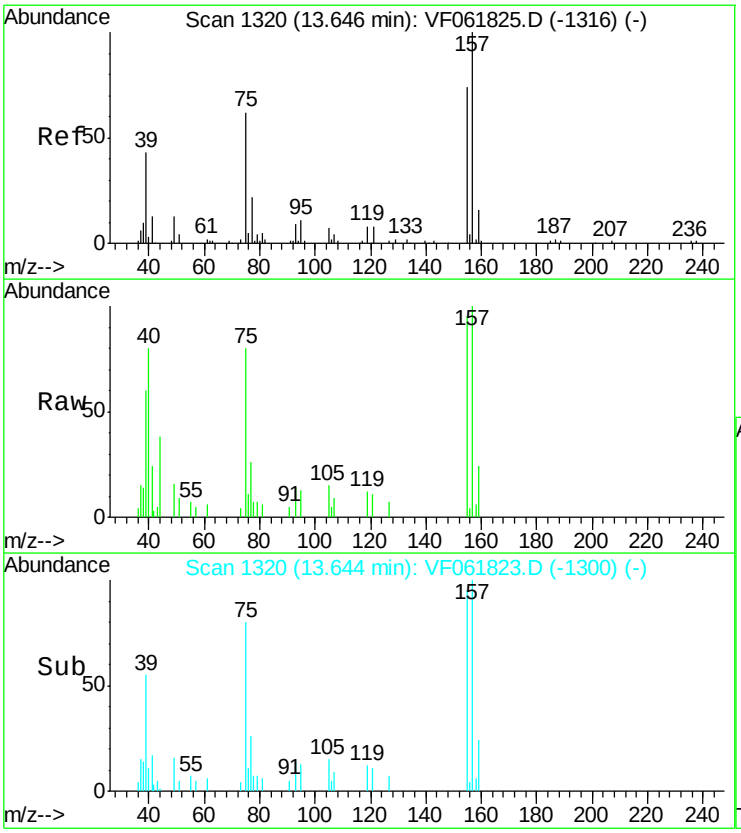

#91
1,2-Dichlorobenzene
Concen: 9.354 ug/l
RT: 12.94 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:146 Resp: 73824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.3 | 20.2 | 60.5 |
| 148 | 56.0 | 32.3 | 96.9 |

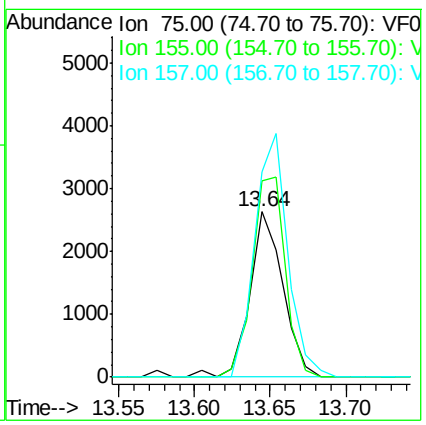


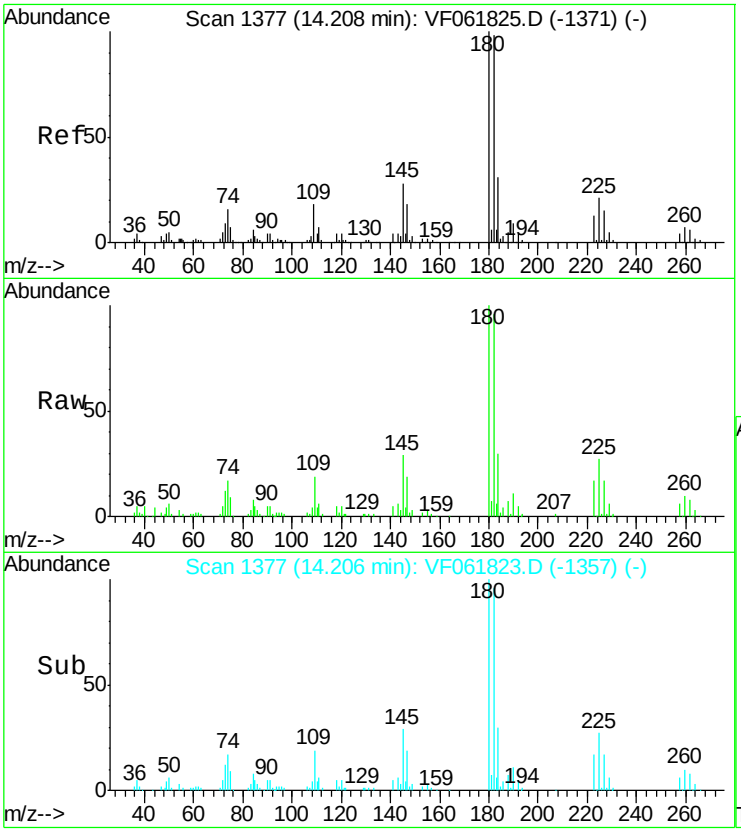




#92
1,2-Dibromo-3-Chloropropane
Concen: 8.221 ug/l
RT: 13.64 min Scan# 1320
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion: 75 Resp: 4023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 119.0 | 48.9 | 146.8 |
| 157 | 124.7 | 58.3 | 174.8 |



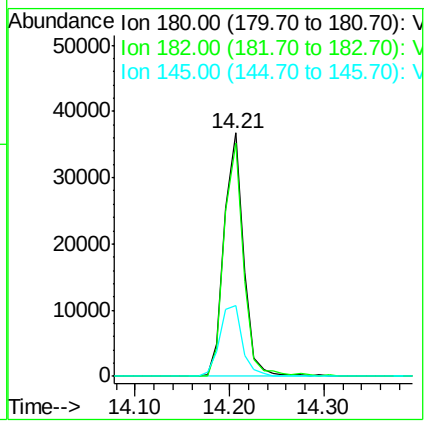


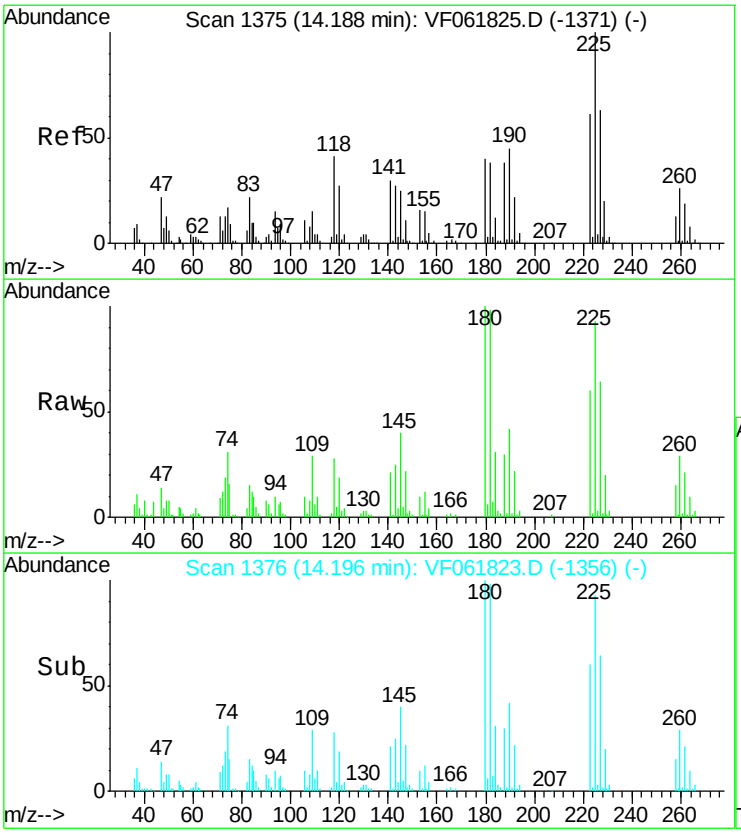

#93
1,2,4-Trichlorobenzene
Concen: 9.277 ug/l
RT: 14.21 min Scan# 1377
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:180 Resp: 52480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.6 | 145.9 |
| 145 | 29.2 | 15.3 | 45.9 |

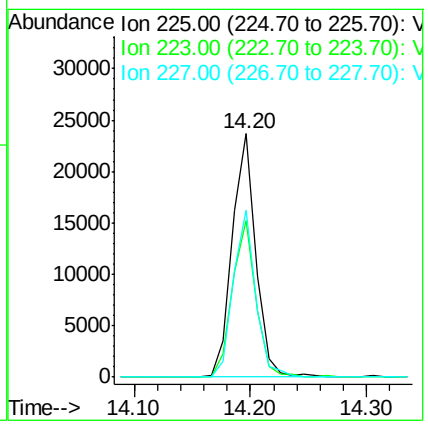


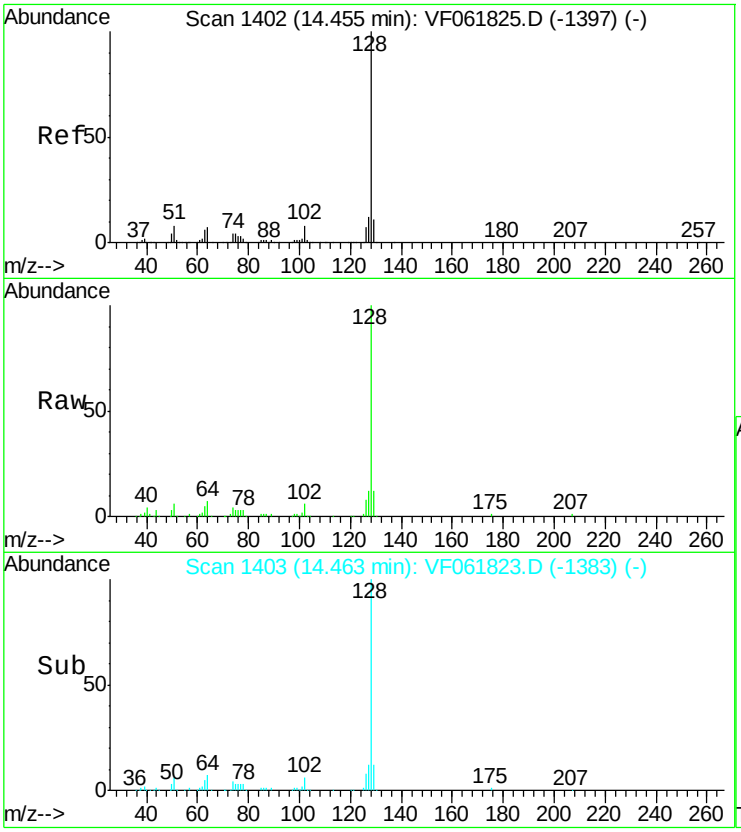




#94
Hexachlorobutadiene
Concen: 9.496 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:225 Resp: 33176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 30.9 | 92.7 |
| 227 | 68.3 | 32.1 | 96.3 |



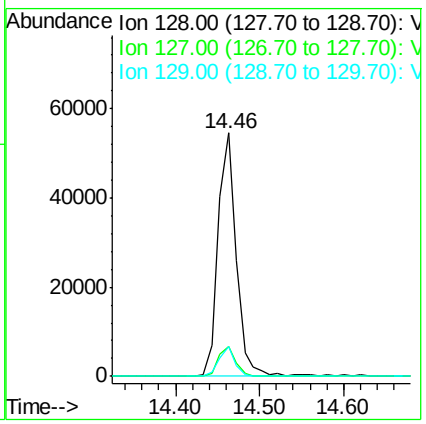


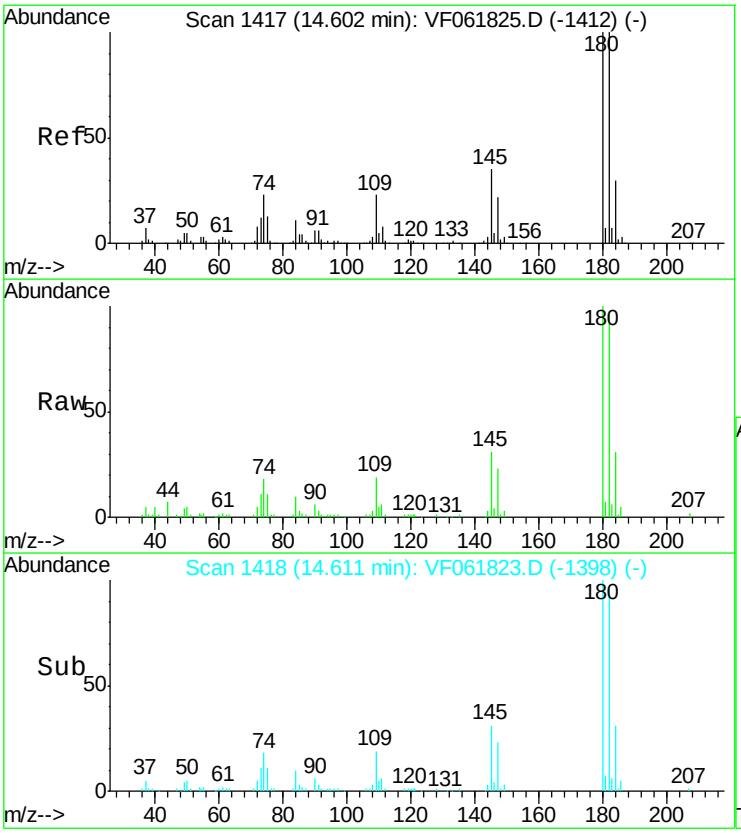

#95
Naphthalene
Concen: 8.344 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

**Instrument :**
MSVOA_F
**ClientSampleId :**
VSTDICC010

Tgt Ion:128 Resp: 82593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 9.8 | 14.6 |
| 129 | 12.2 | 9.4 | 14.2 |




#96
1,2,3-Trichlorobenzene
Concen: 8.499 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061823.D
Acq: 4 Mar 2019 16:33

Tgt Ion:180 Resp: 44130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 49.0 | 147.2 |
| 145 | 31.4 | 15.4 | 46.1 |