Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061439.D
Acq On : 17 Jan 2019 12:34
Operator : VA/AP
Sample : VF0117SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Quant Time: Jan 18 03:17:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.85 | 168 | 194480 | 50.00 | ug/l | | -0.01 |
| 34) 1,4-Difluorobenzene | 5.57 | 114 | 344663 | 50.00 | ug/l | | -0.02 |
| 63) Chlorobenzene-d5 | 9.75 | 117 | 312504 | 50.00 | ug/l | | -0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152 | 152712 | 50.00 | ug/l | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.82 | 65 | 113783 | 47.39 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 94.78% | | | | |
| 35) Dibromofluoromethane | 4.09 | 113 | 136926 | 50.35 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 100.70% | | | | |
| 50) Toluene-d8 | 7.54 | 98 | 389074 | 52.21 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 104.42% | | | | |
| 62) 4-Bromofluorobenzene | 11.39 | 95 | 169812 | 48.78 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 97.56% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.97 | 85 | 67978 | 17.789 | ug/l | | 96 |
| 3) Chloromethane | 1.09 | 50 | 54750 | 19.540 | ug/l | | 97 |
| 4) Vinyl Chloride | 1.13 | 62 | 50471 | 20.250 | ug/l | | 97 |
| 5) Bromomethane | 1.30 | 94 | 31831 | 19.585 | ug/l | | 89 |
| 6) Chloroethane | 1.39 | 64 | 22900 | 20.735 | ug/l | | 97 |
| 7) Trichlorofluoromethane | 1.48 | 101 | 57305 | 11.827 | ug/l | | 90 |
| 8) Diethyl Ether | 1.63 | 74 | 12304 | 19.818 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.82 | 101 | 43757 | 18.794 | ug/l | | 93 |
| 10) Methyl Iodide | 1.90 | 142 | 55411 | 15.352 | ug/l | | 95 |
| 11) Tert butyl alcohol | 2.56 | 59 | 11123 | 109.441 | ug/l | | 95 |
| 12) 1,1-Dichloroethene | 1.79 | 96 | 33805 | 19.544 | ug/l | | 91 |
| 13) Acrolein | 1.99 | 56 | 6833 | 85.163 | ug/l | | 99 |
| 14) Allyl chloride | 2.08 | 41 | 50161 | 24.488 | ug/l | | 90 |
| 15) Acrylonitrile | 2.93 | 53 | 27479 | 105.552 | ug/l | | 89 |
| 16) Acetone | 2.23 | 43 | 55387 | 114.985 | ug/l | # | 89 |
| 17) Carbon Disulfide | 1.82 | 76 | 82030 | 15.210 | ug/l | | 98 |
| 18) Methyl Acetate | 2.33 | 43 | 18951 | 19.838 | ug/l | | 96 |
| 19) Methyl tert-butyl Ether | 2.42 | 73 | 75163 | 19.384 | ug/l | | 93 |
| 20) Methylene Chloride | 2.17 | 84 | 12140 | 5.874 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 2.30 | 96 | 32792 | 17.231 | ug/l | | 93 |
| 22) Diisopropyl ether | 2.79 | 45 | 135673 | 22.041 | ug/l | | 97 |
| 23) Vinyl Acetate | 3.18 | 43 | 322857 | 120.918 | ug/l | | 100 |
| 24) 1,1-Dichloroethane | 2.86 | 63 | 81891 | 21.197 | ug/l | | 98 |
| 25) 2-Butanone | 4.31 | 43 | 97920 | 122.243 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 3.58 | 77 | 44963 | 18.943 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 3.46 | 96 | 62409 | 22.216 | ug/l | | 96 |
| 28) Bromochloromethane | 3.70 | 49 | 38933 | 22.419 | ug/l | # | 95 |
| 29) Tetrahydrofuran | 4.05 | 42 | 37925 | 109.954 | ug/l | | 96 |
| 30) Chloroform | 3.84 | 83 | 107043 | 20.531 | ug/l | | 100 |
| 31) Cyclohexane | 3.68 | 56 | 50799 | 13.163 | ug/l | | 96 |
| 32) 1,1,1-Trichloroethane | 4.07 | 97 | 61734 | 16.148 | ug/l | | 91 |
| 36) 1,1-Dichloropropene | 4.26 | 75 | 85820 | 21.475 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.08 | 43 | 36352 | 22.757 | ug/l | | 87 |
| 38) Carbon Tetrachloride | 3.96 | 117 | 61361 | 17.564 | ug/l | | 95 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061439.D
Acq On : 17 Jan 2019 12:34
Operator : VA/AP
Sample : VF0117SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Quant Time: Jan 18 03:17:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 5.43 | 83 | 84686 | 19.555 ug/l | 95 |
| 40) Benzene | 4.61 | 78 | 193018 | 21.706 ug/l | 100 |
| 41) Methacrylonitrile | 4.72 | 41 | 19110 | 22.483 ug/l | 92 |
| 42) 1,2-Dichloroethane | 4.92 | 62 | 62252 | 19.646 ug/l | 97 |
| 43) Isopropyl Acetate | 6.93 | 43 | 41441 | 20.670 ug/l # | 96 |
| 44) Trichloroethene | 5.48 | 130 | 60283 | 22.099 ug/l | 99 |
| 45) 1,2-Dichloropropane | 6.21 | 63 | 50813 | 21.773 ug/l | 98 |
| 46) Dibromomethane | 6.07 | 93 | 31002 | 19.978 ug/l | 92 |
| 47) Bromodichloromethane | 6.36 | 83 | 78932 | 20.558 ug/l | 97 |
| 48) Methyl methacrylate | 6.70 | 41 | 24354 | 18.090 ug/l | 89 |
| 49) 1,4-Dioxane | 6.69 | 88 | 4476 | 437.235 ug/l | 88 |
| 51) 4-Methyl-2-Pentanone | 8.24 | 43 | 153949 | 104.451 ug/l | 97 |
| 52) Toluene | 7.60 | 92 | 114122 | 19.489 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 8.26 | 75 | 62844 | 20.613 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 7.28 | 75 | 81528 | 21.393 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 8.47 | 97 | 35329 | 21.246 ug/l | 90 |
| 56) Ethyl methacrylate | 8.60 | 69 | 38662 | 19.984 ug/l | 95 |
| 57) 1,3-Dichloropropane | 8.84 | 76 | 66041 | 21.188 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 7.28 | 63 | 25515 | 139.443 ug/l | 96 |
| 59) 2-Hexanone | 9.47 | 43 | 125044 | 121.665 ug/l | 97 |
| 60) Dibromochloromethane | 8.70 | 129 | 47128 | 19.386 ug/l | 96 |
| 61) 1,2-Dibromoethane | 8.97 | 107 | 38001 | 19.962 ug/l | 97 |
| 64) Tetrachloroethene | 8.14 | 164 | 48363 | 20.579 ug/l | 94 |
| 65) Chlorobenzene | 9.77 | 112 | 131482 | 20.690 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 9.91 | 131 | 54054 | 21.352 ug/l | 98 |
| 67) Ethyl Benzene | 9.88 | 91 | 243903 | 21.007 ug/l | 99 |
| 68) m/p-Xylenes | 10.11 | 106 | 165623 | 39.660 ug/l | 98 |
| 69) o-Xylene | 10.69 | 106 | 96556 | 21.333 ug/l | 97 |
| 70) Styrene | 10.77 | 104 | 133515 | 21.550 ug/l | 96 |
| 71) Bromoform | 10.75 | 173 | 24369 | 21.424 ug/l # | 98 |
| 73) Isopropylbenzene | 11.11 | 105 | 288263 | 23.209 ug/l | 97 |
| 74) N-amyl acetate | 11.35 | 43 | 75286 | 25.634 ug/l | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 11.68 | 83 | 49395 | 22.324 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.78 | 75 | 35635 | 22.413 ug/l | 99 |
| 77) Bromobenzene | 11.48 | 156 | 58059 | 22.134 ug/l | 95 |
| 78) n-propylbenzene | 11.58 | 91 | 338160 | 20.930 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.71 | 91 | 188754 | 21.903 ug/l | 95 |
| 80) 1,3,5-Trimethylbenzene | 11.81 | 105 | 225513 | 22.499 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75 | 20626 | 29.843 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.89 | 91 | 188650 | 21.694 ug/l | 99 |
| 83) tert-Butylbenzene | 12.11 | 119 | 239514 | 23.087 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 12.19 | 105 | 227358 | 22.021 ug/l | 95 |
| 85) sec-Butylbenzene | 12.29 | 105 | 319925 | 22.708 ug/l | 95 |
| 86) p-Isopropyltoluene | 12.45 | 119 | 270122 | 23.356 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 12.46 | 146 | 115677 | 21.014 ug/l | 97 |
| 88) 1,4-Dichlorobenzene | 12.55 | 146 | 105335 | 21.251 ug/l | 98 |
| 89) n-Butylbenzene | 12.83 | 91 | 275529 | 23.100 ug/l | 95 |
| 90) Hexachloroethane | 12.90 | 117 | 62456 | 22.909 ug/l | 90 |
| 91) 1,2-Dichlorobenzene | 12.93 | 146 | 104926 | 21.383 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75 | 7859 | 20.025 ug/l | 80 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061439.D
Acq On : 17 Jan 2019 12:34
Operator : VA/AP
Sample : VF0117SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Quant Time: Jan 18 03:17:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.18 | 180 | 72398 | 21.062 | ug/l | 100 |
| 94) Hexachlorobutadiene | 14.17 | 225 | 43645 | 20.462 | ug/l | 99 |
| 95) Naphthalene | 14.44 | 128 | 124285 | 19.031 | ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 14.59 | 180 | 63537 | 19.968 | ug/l | 97 |

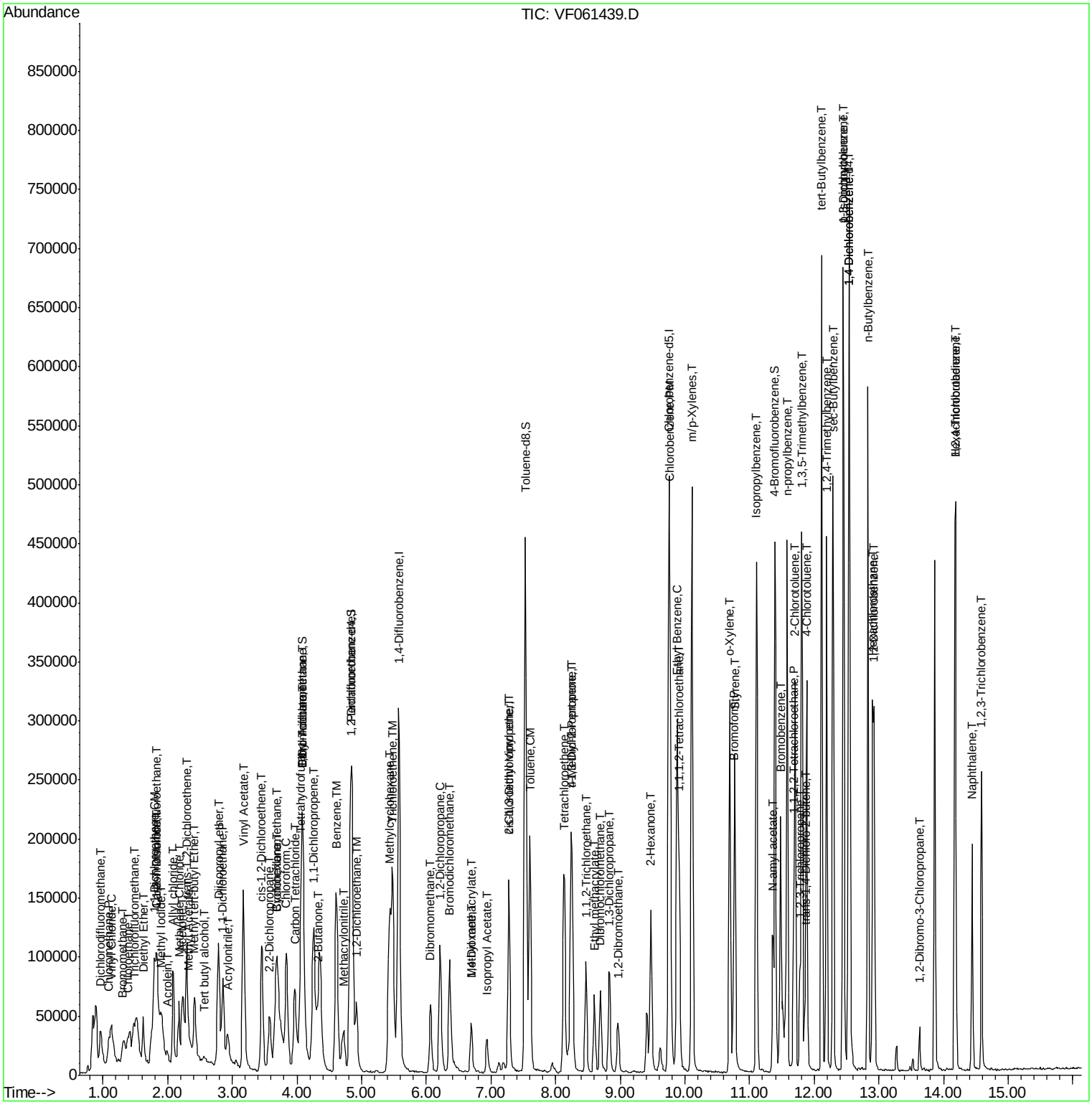
(#) = qualifier out of range (m) = manual integration (+) = signals summed

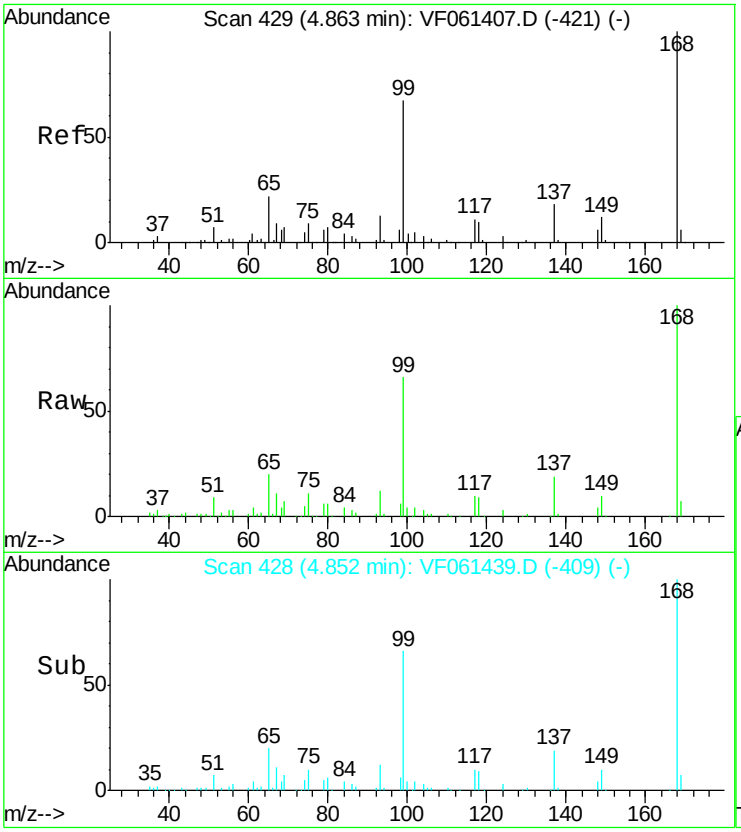
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061439.D
Acq On : 17 Jan 2019 12:34
Operator : VA/AP
Sample : VF0117SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Quant Time: Jan 18 03:17:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration



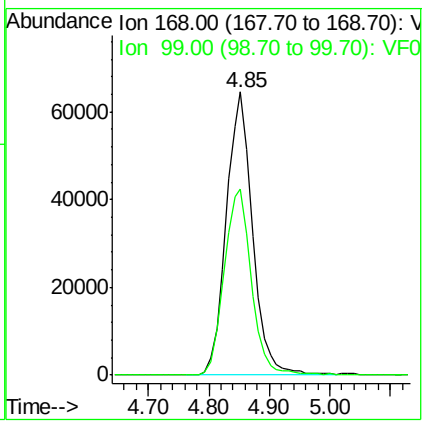


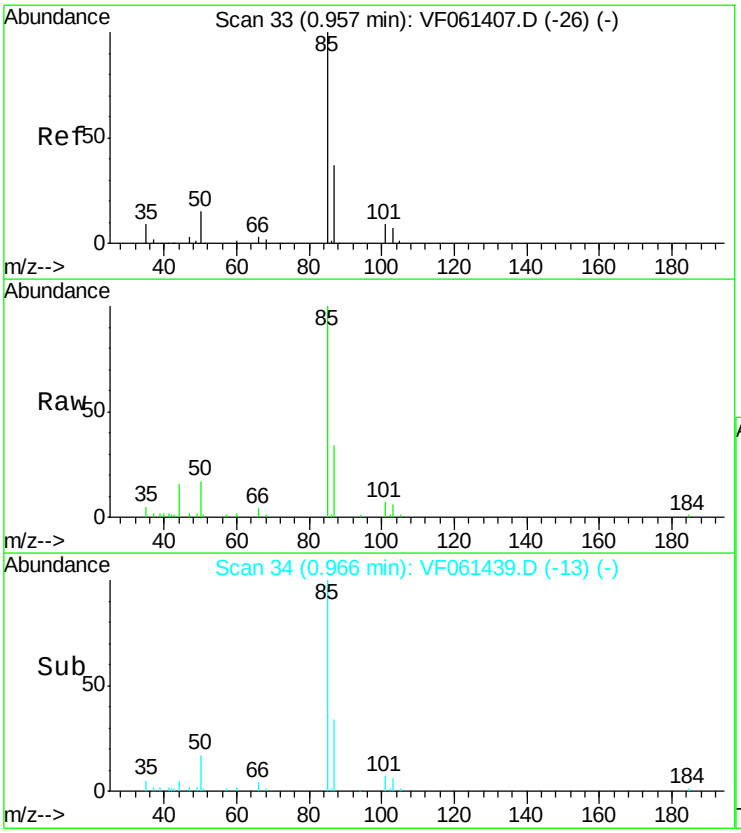

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:168 Resp: 194480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.6 | 53.5 | 80.3 |

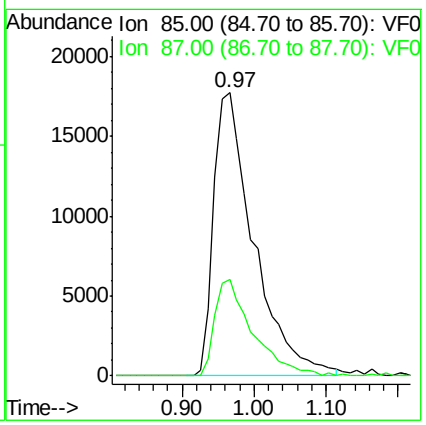


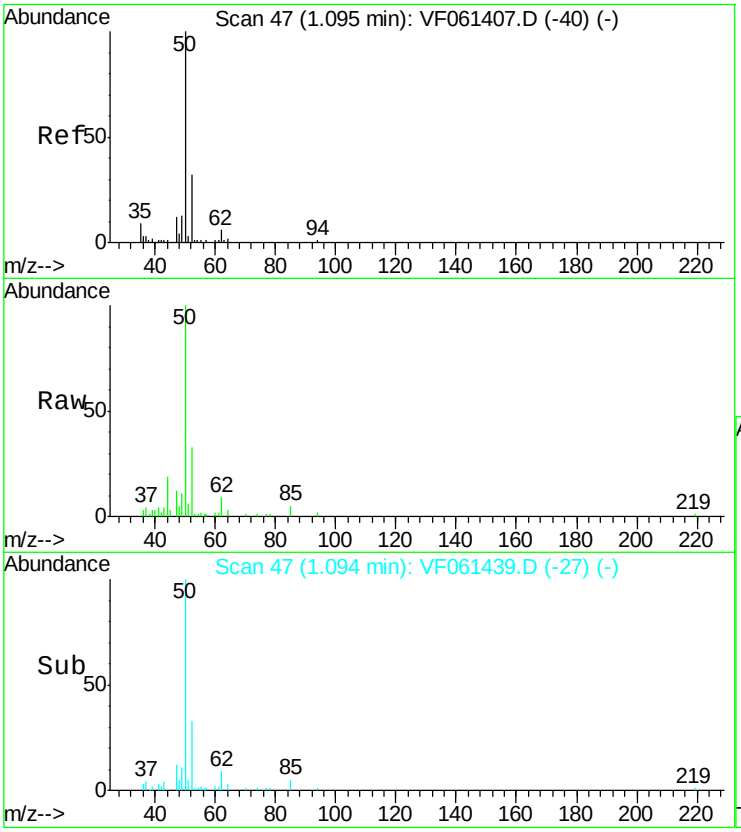




#2
Dichlorodifluoromethane
Concen: 17.789 ug/l
RT: 0.97 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 85 Resp: 67978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.1 | 18.4 | 55.0 |



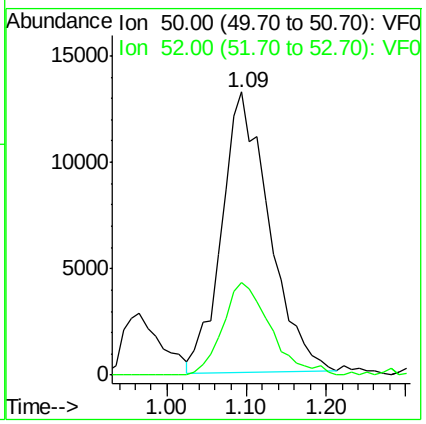


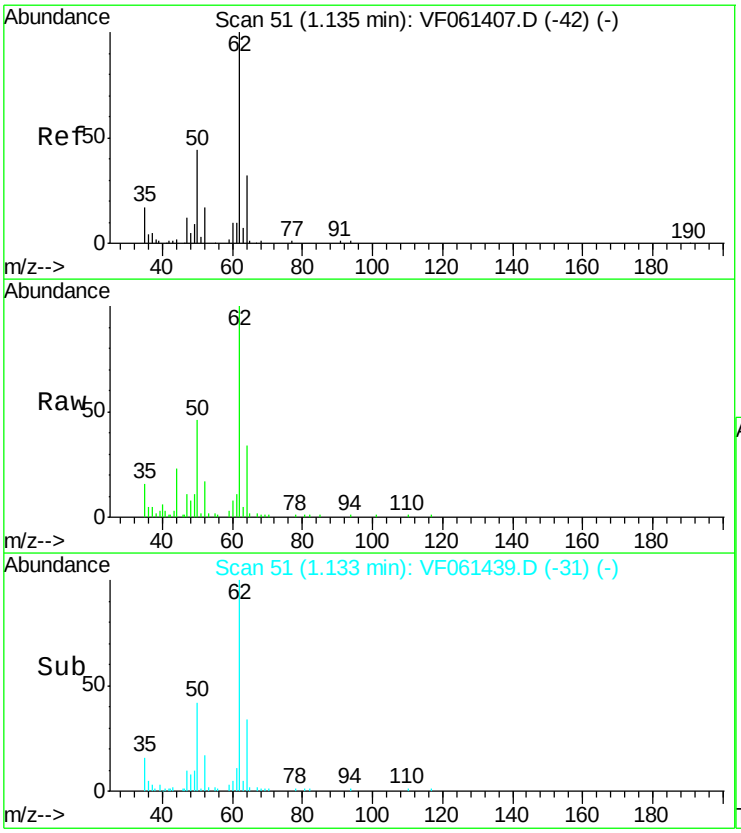

#3
Chloromethane
Concen: 19.540 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 50 Resp: 54750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 24.6 | 36.8 |

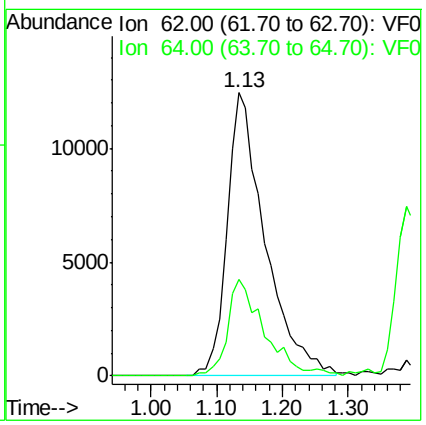


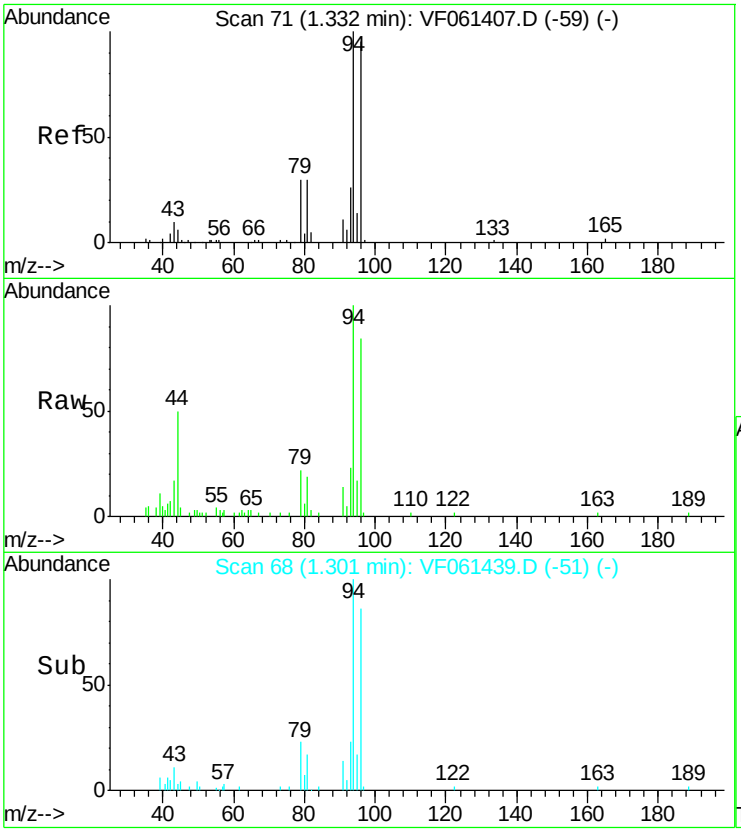




#4
Vinyl Chloride
Concen: 20.250 ug/l
RT: 1.13 min Scan# 51
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 62 Resp: 50471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.6 | 38.4 |



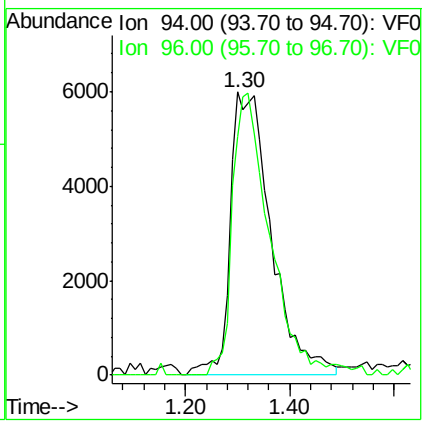


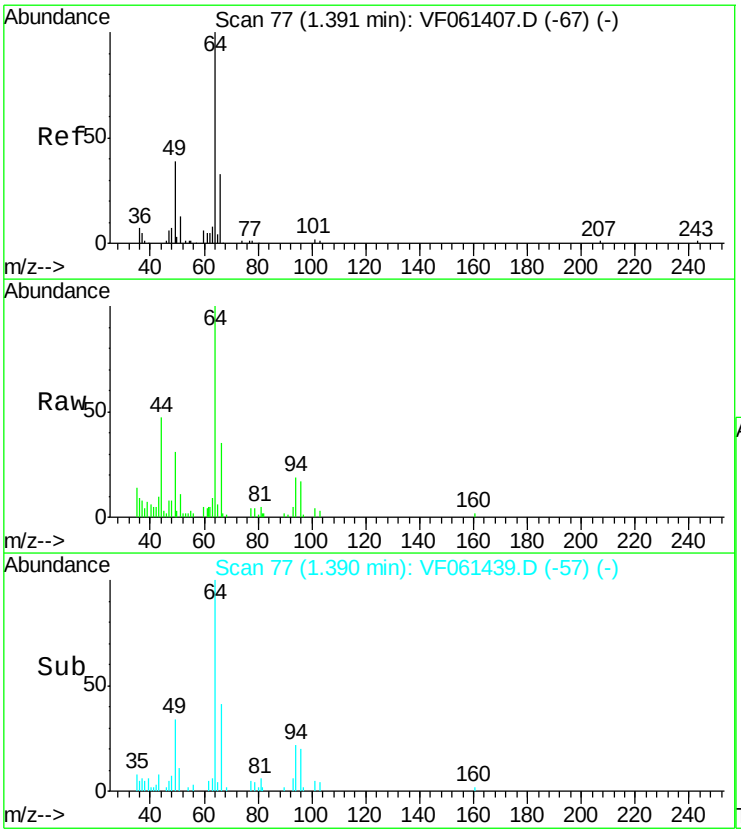

#5
Bromomethane
Concen: 19.585 ug/l
RT: 1.30 min Scan# 68
Delta R.T. -0.03 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 94 Resp: 31831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 84.1 | 76.0 | 114.0 |

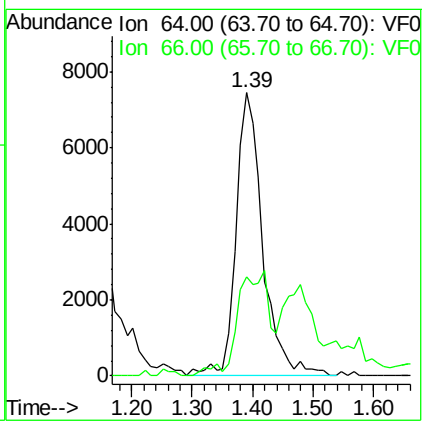


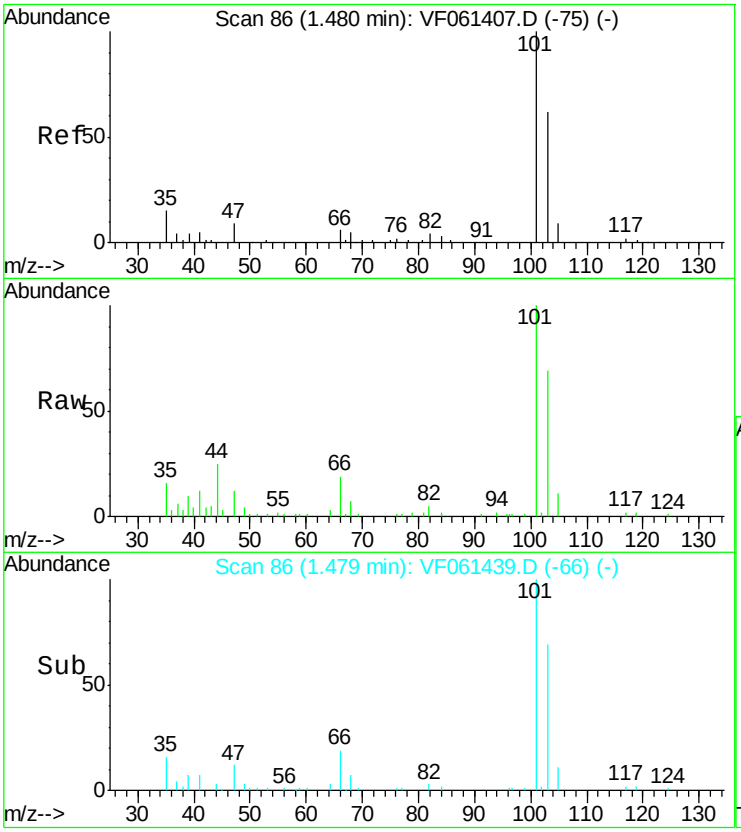




#6
Chloroethane
Concen: 20.735 ug/l
RT: 1.39 min Scan# 77
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 64 Resp: 22900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.0 | 26.6 | 40.0 |



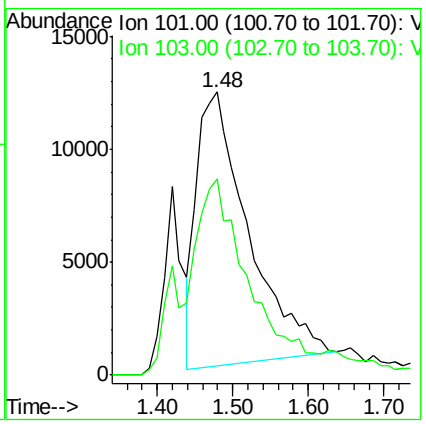


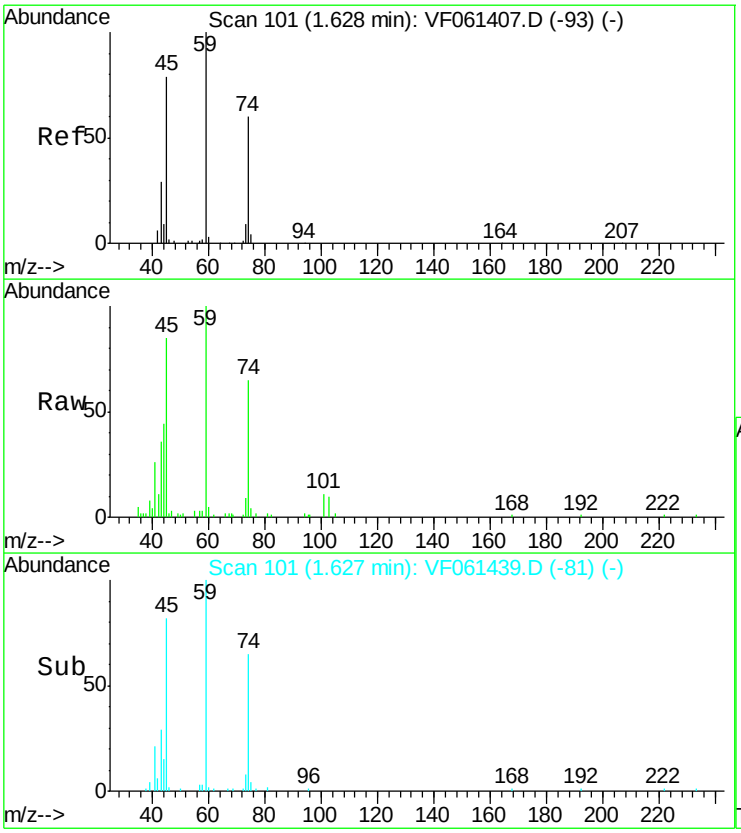

#7
Trichlorofluoromethane
Concen: 11.827 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:101 Resp: 57305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 69.5 | 49.7 | 74.5 |

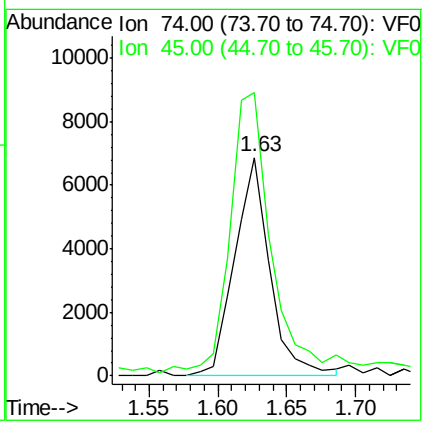


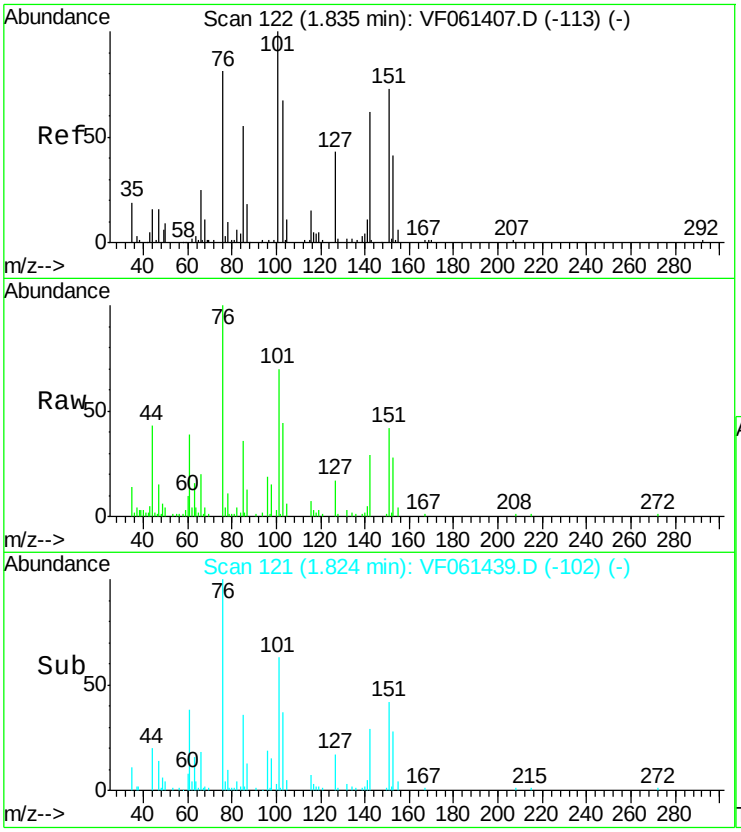




#8
Diethyl Ether
Concen: 19.818 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 74 Resp: 12304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 129.7 | 65.8 | 197.5 |



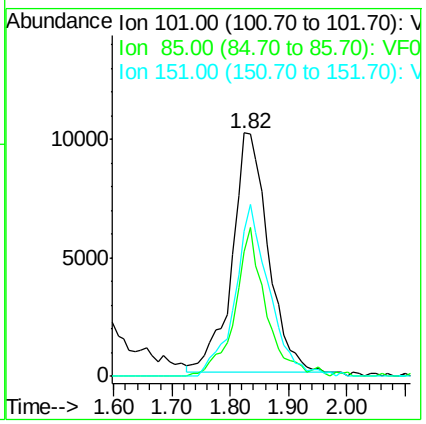


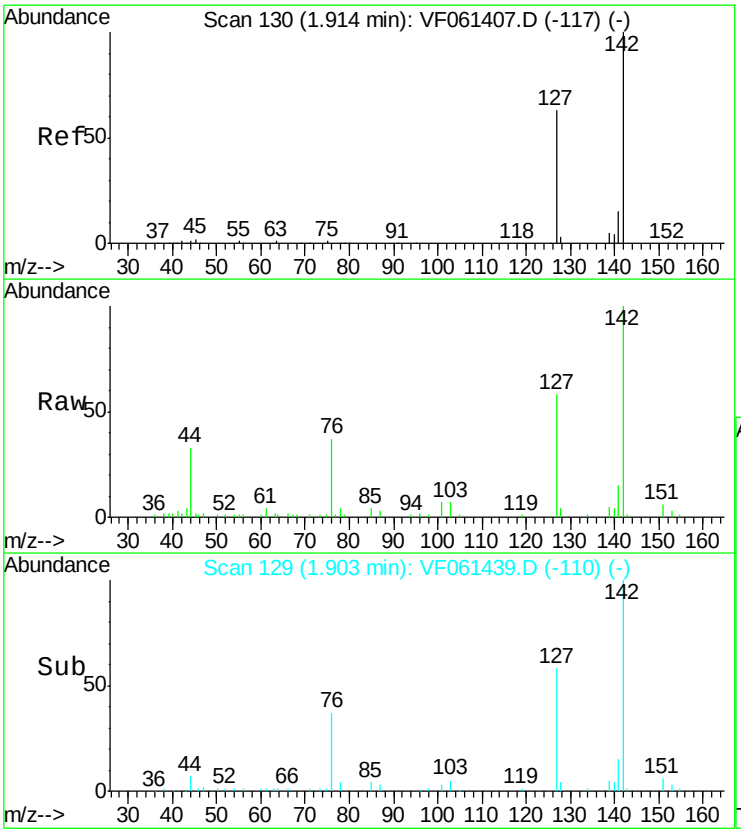

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.794 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:101 Resp: 43757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 51.2 | 41.9 | 62.9 |
| 151 | 59.8 | 55.1 | 82.7 |

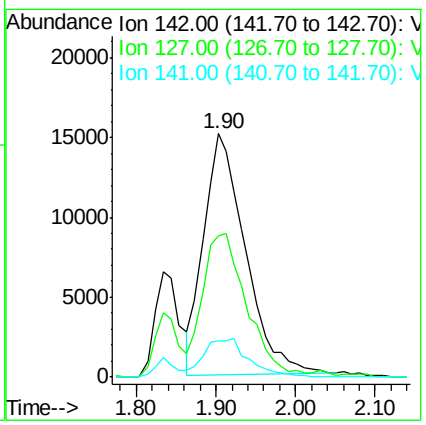


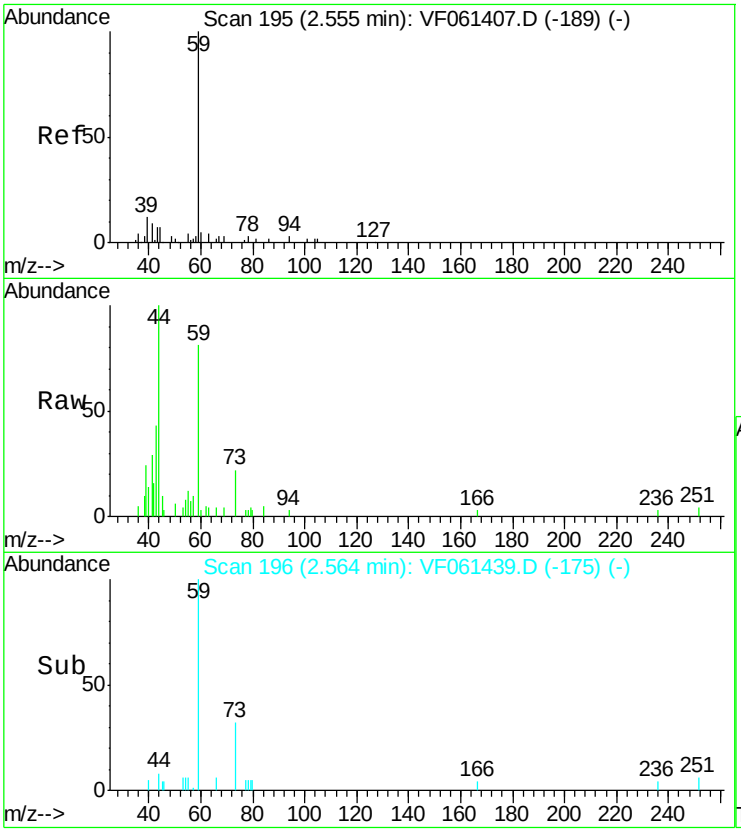




#10
Methyl Iodide
Concen: 15.352 ug/l
RT: 1.90 min Scan# 129
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:142 Resp: 55411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 58.2 | 50.7 | 76.1 |
| 141 | 14.7 | 11.8 | 17.6 |



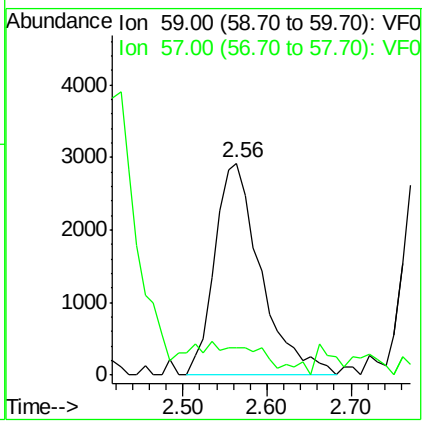


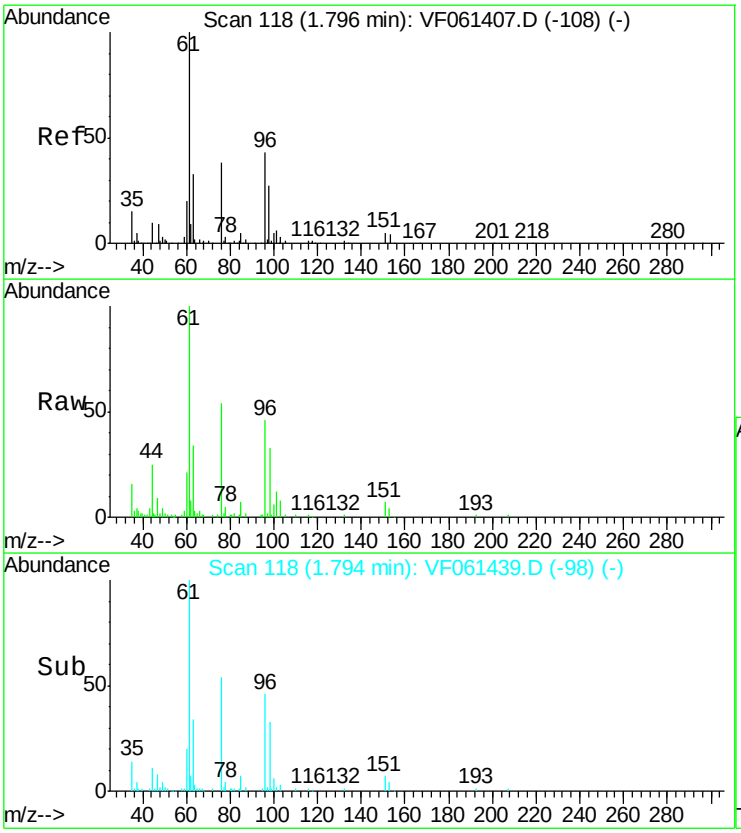

#11
Tert butyl alcohol
Concen: 109.441 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 59 Resp: 11123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 12.8 | 11.9 | 17.9 |

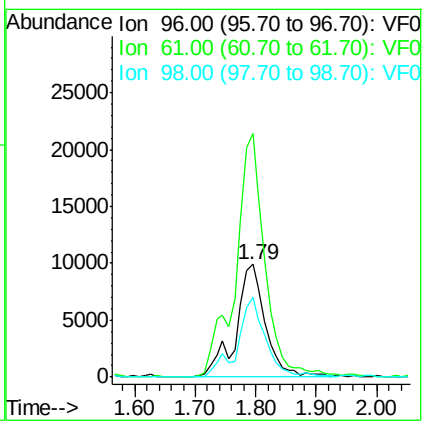


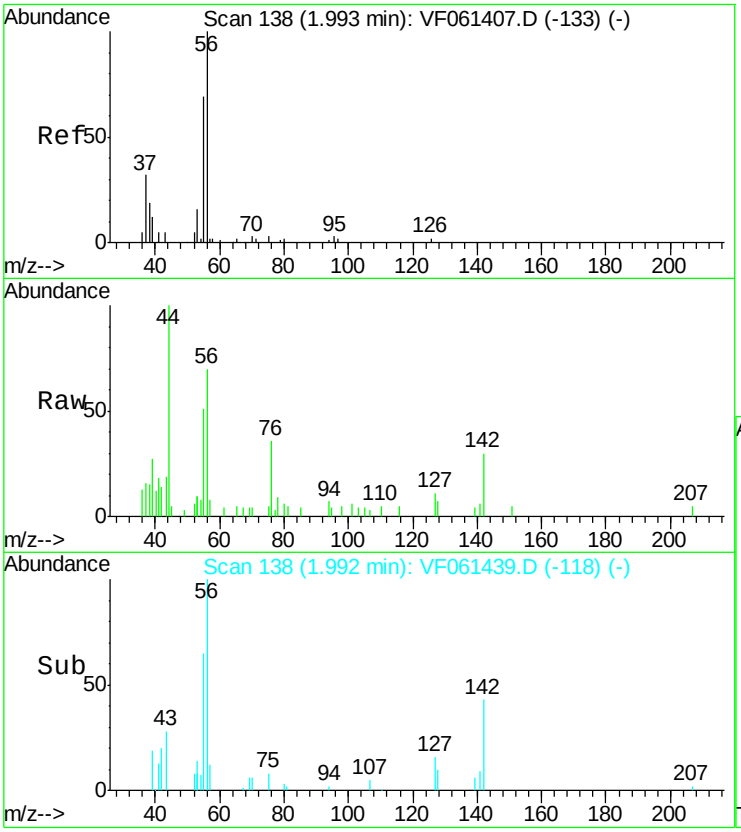




#12
1,1-Dichloroethene
Concen: 19.544 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 96 Resp: 33805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 216.5 | 186.9 | 280.3 |
| 98 | 71.5 | 53.0 | 79.4 |



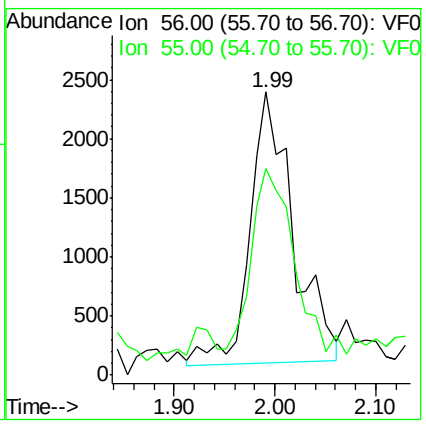


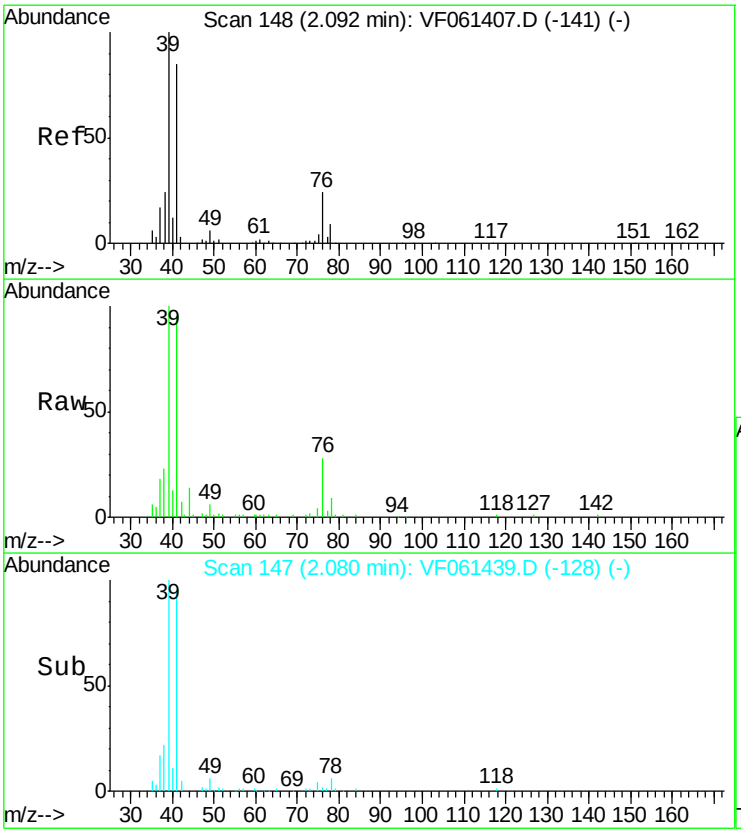

#13
Acrolein
Concen: 85.163 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 56 Resp: 6833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.0 | 57.5 | 86.3 |

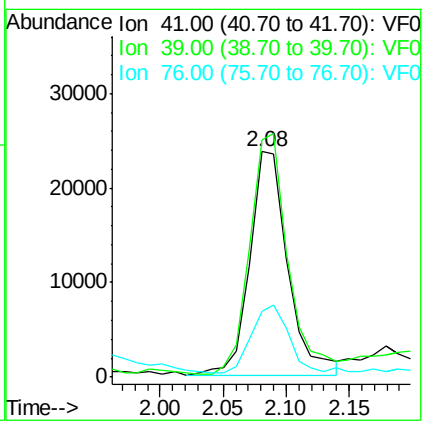


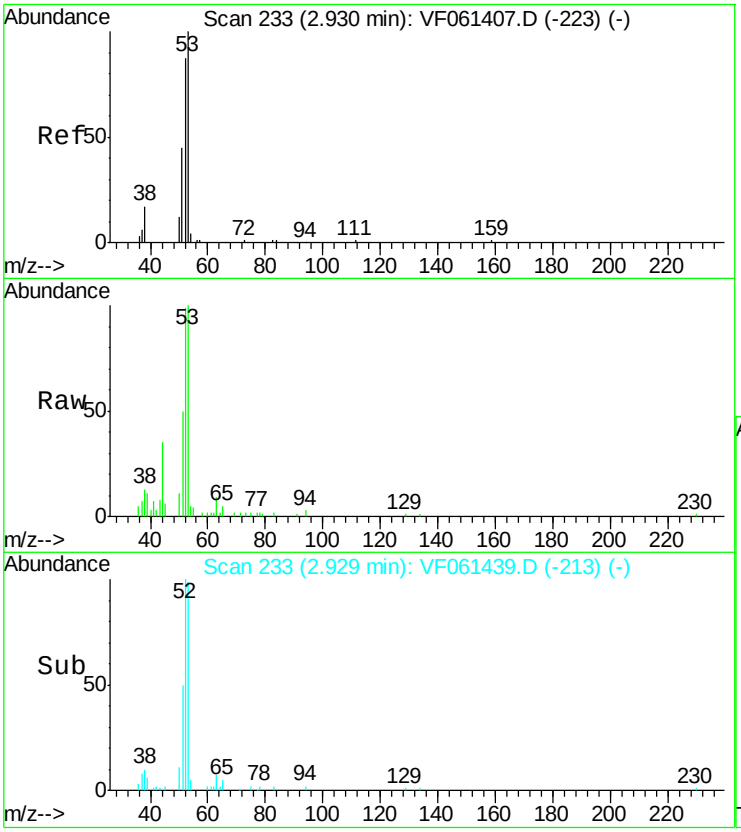




#14
Allyl chloride
Concen: 24.488 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 41 Resp: 50161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 105.5 | 94.6 | 141.8 |
| 76 | 29.1 | 25.9 | 38.9 |



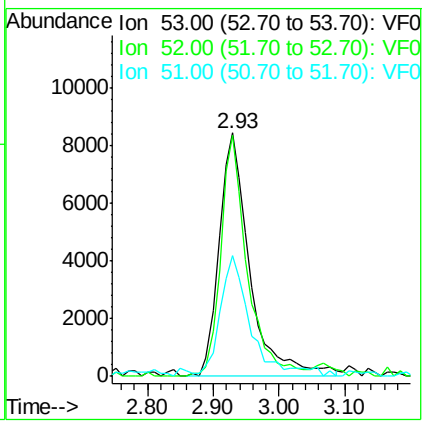


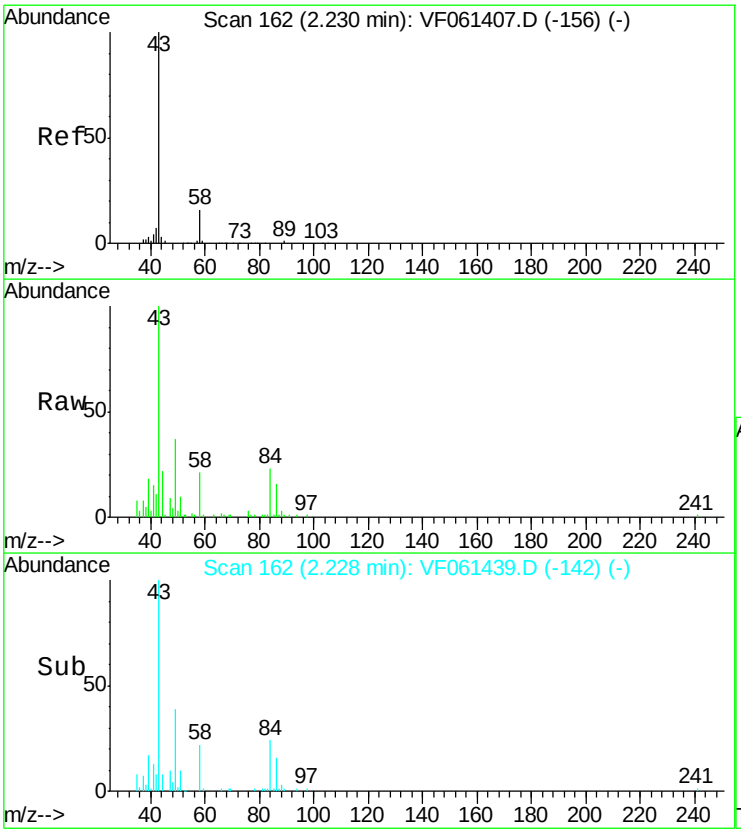

#15
Acrylonitrile
Concen: 105.552 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 53 Resp: 27479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 99.3 | 69.6 | 104.4 |
| 51 | 49.7 | 36.8 | 55.2 |

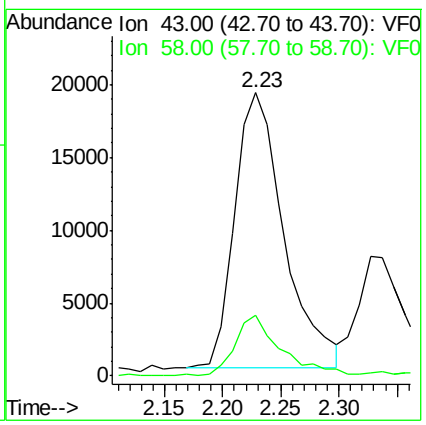


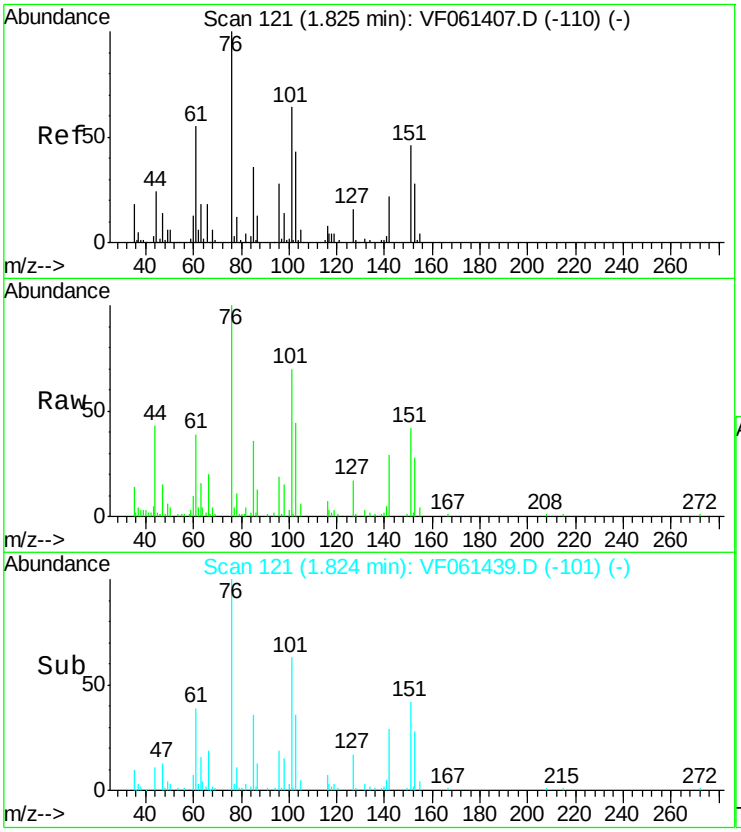




#16
Acetone
Concen: 114.985 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 43 Resp: 55387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.4 | 13.3 | 19.9# |



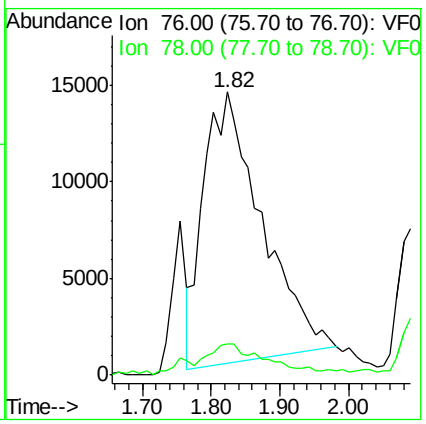


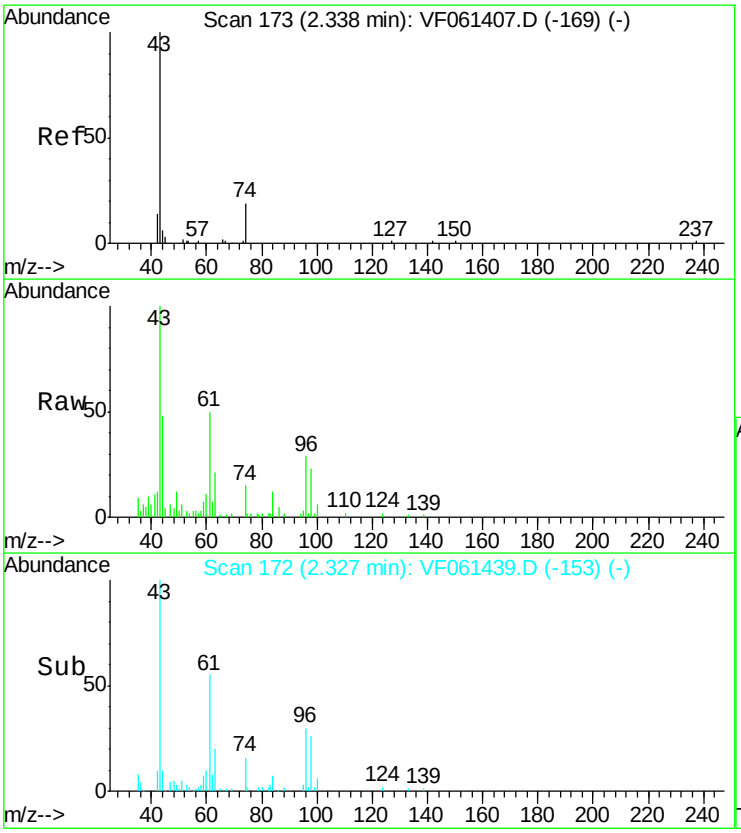

#17
Carbon Disulfide
Concen: 15.210 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 76 Resp: 82030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.1 | 9.6 | 14.4 |

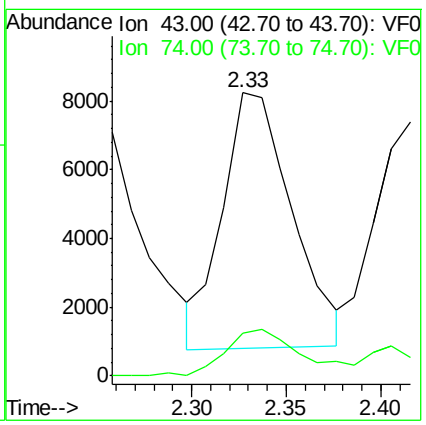


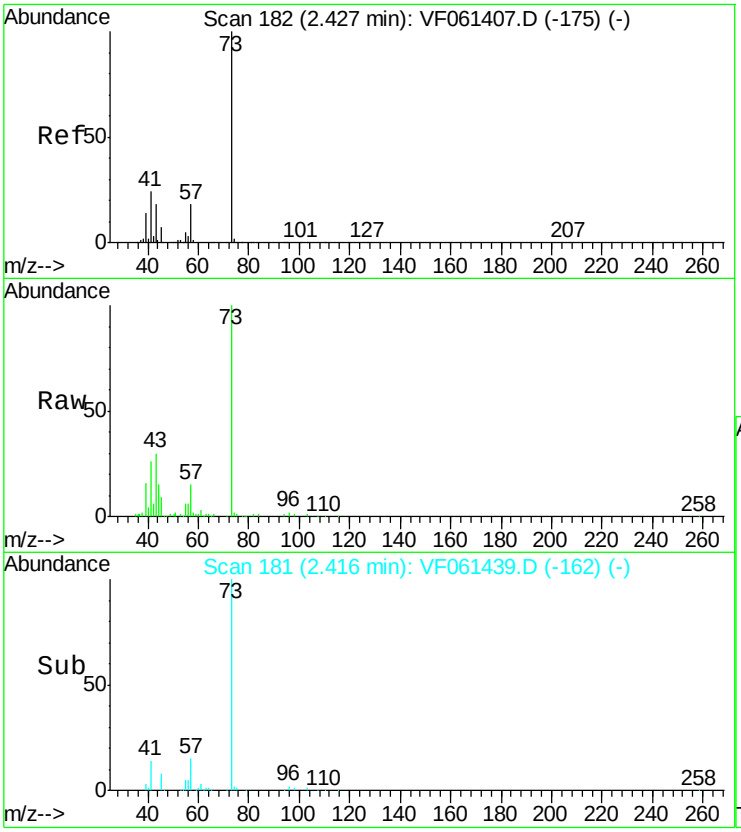




#18
Methyl Acetate
Concen: 19.838 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 43 Resp: 18951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 15.0 | 13.4 | 20.0 |



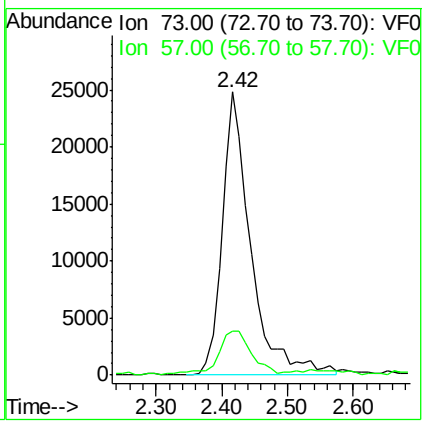


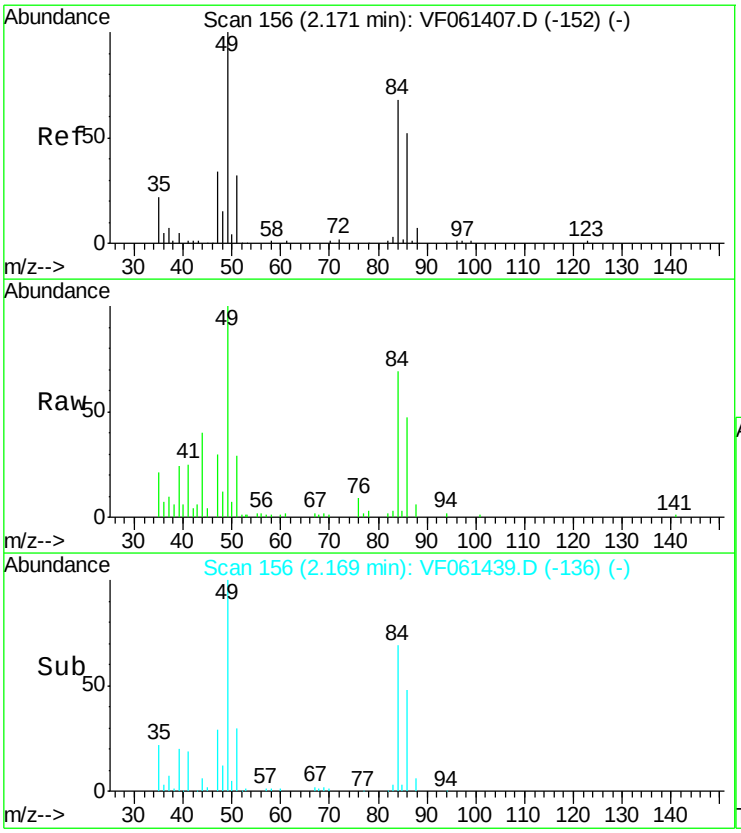

#19
Methyl tert-butyl Ether
Concen: 19.384 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 73 Resp: 75163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 15.4 | 14.8 | 22.2 |

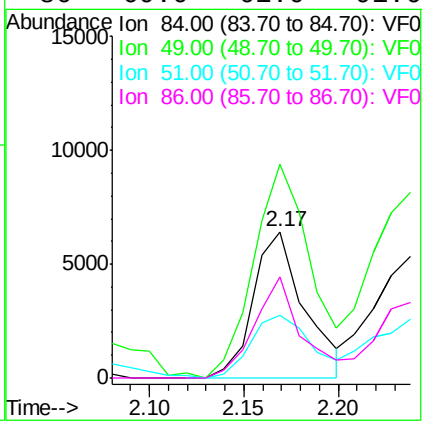


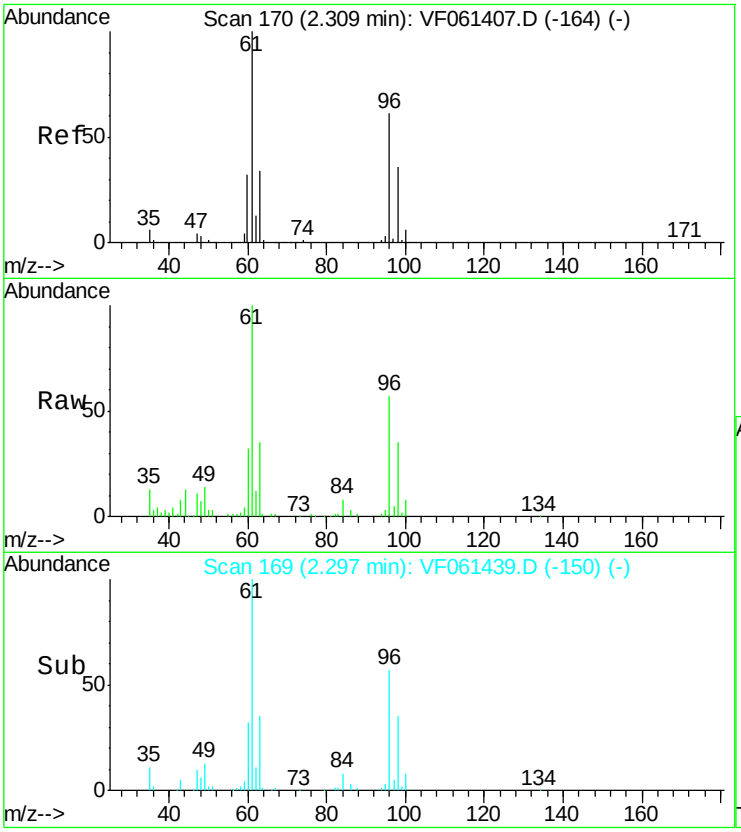




#20
Methylene Chloride
Concen: 5.874 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 84 Resp: 12140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 146.0 | 120.0 | 180.0 |
| 51 | 42.6 | 38.6 | 58.0 |
| 86 | 69.0 | 61.0 | 91.6 |



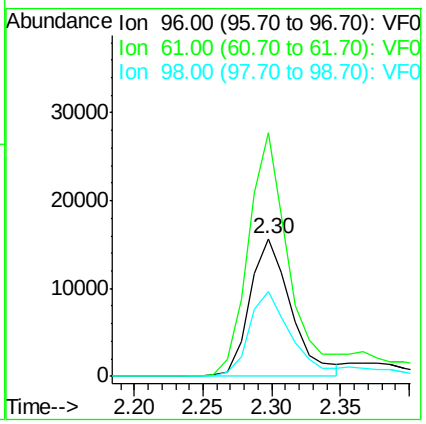


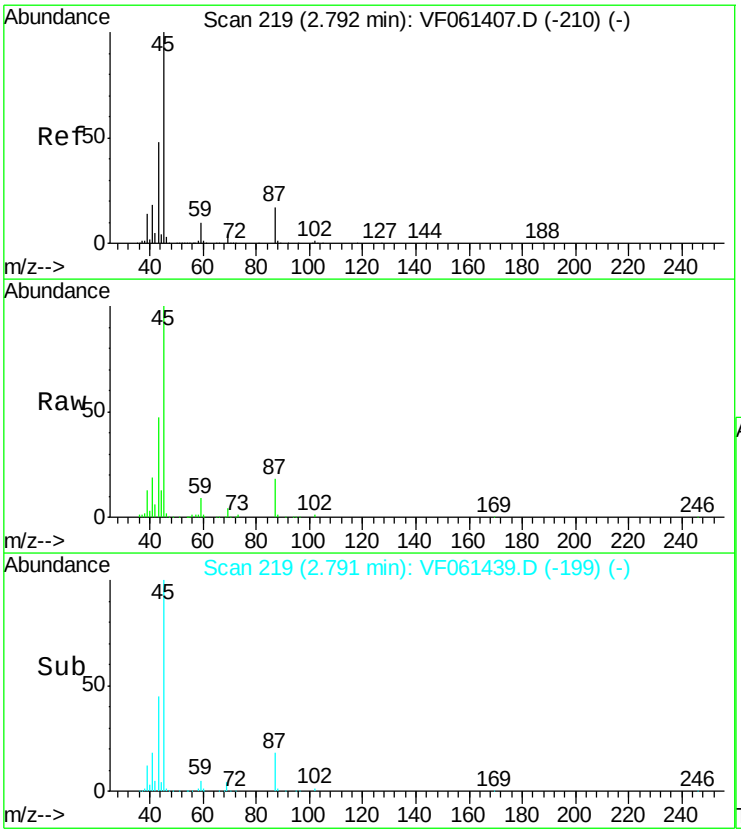

#21
trans-1,2-Dichloroethene
Concen: 17.231 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 96 Resp: 32792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 176.9 | 131.8 | 197.8 |
| 98 | 61.6 | 47.4 | 71.0 |

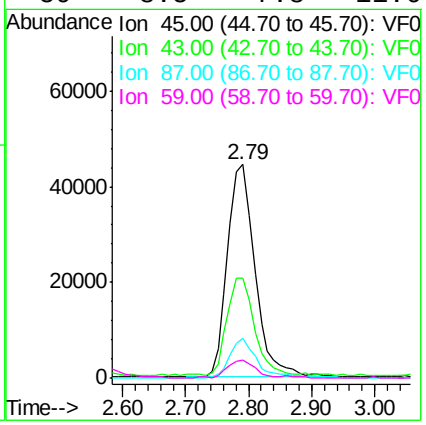


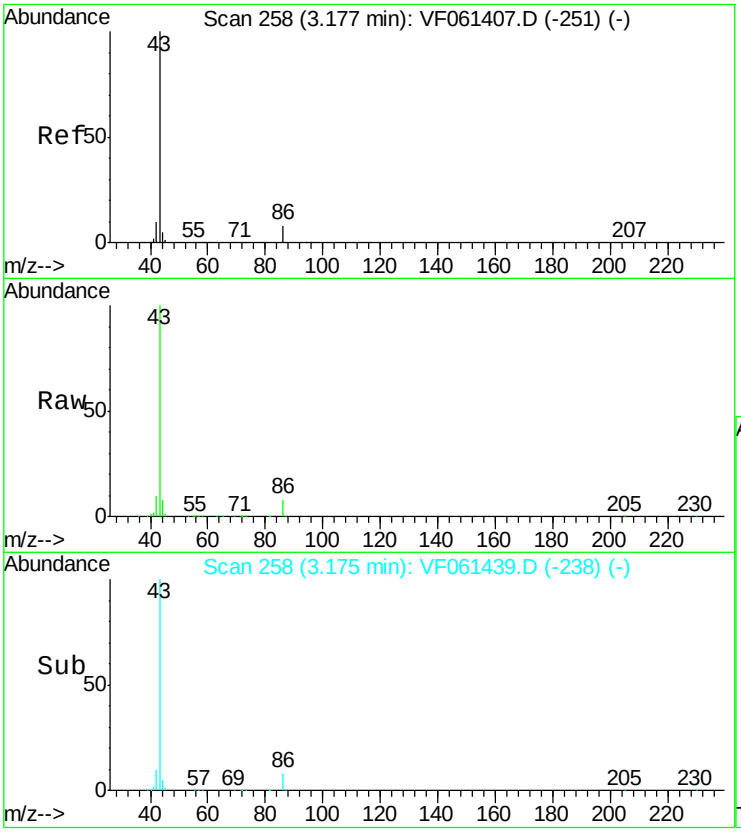




#22
Diisopropyl ether
Concen: 22.041 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 45 Resp: 135673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 46.7 | 39.0 | 58.6 |
| 87 | 18.3 | 13.9 | 20.9 |
| 59 | 8.5 | 7.8 | 11.6 |



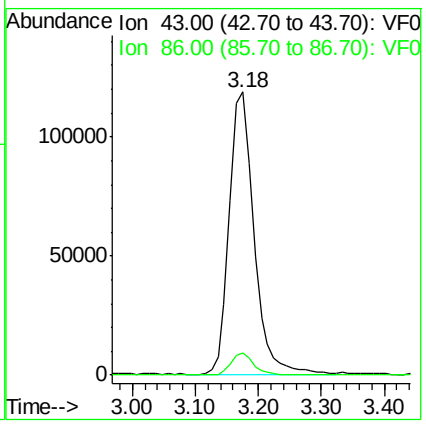


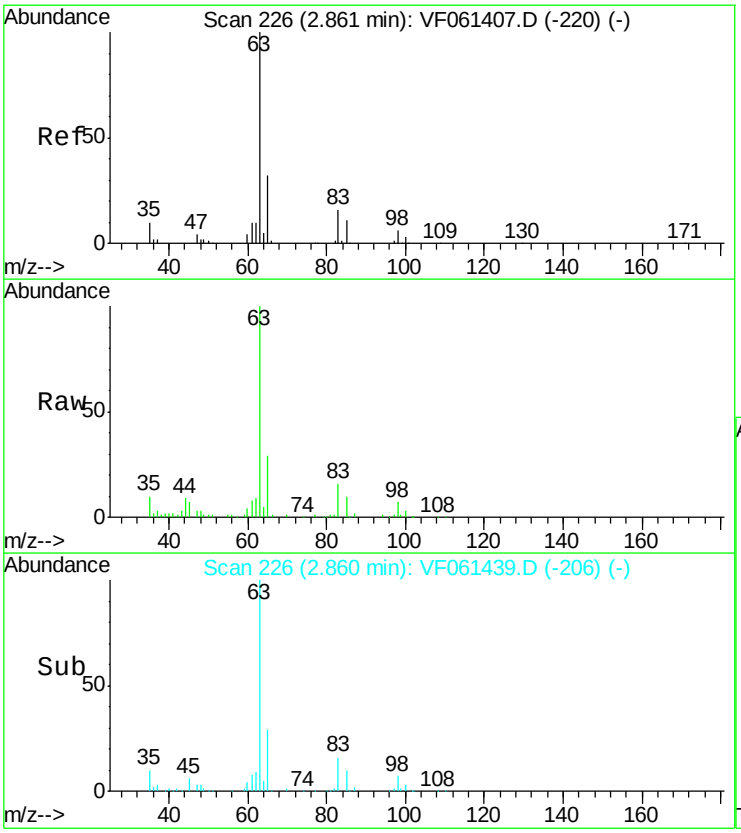

#23
Vinyl Acetate
Concen: 120.918 ug/l
RT: 3.18 min Scan# 258
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 43 Resp: 322857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.7 | 6.2 | 9.4 |

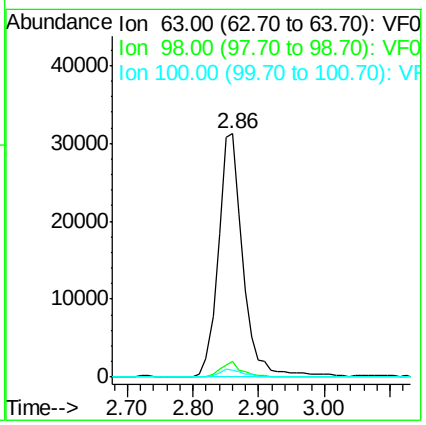


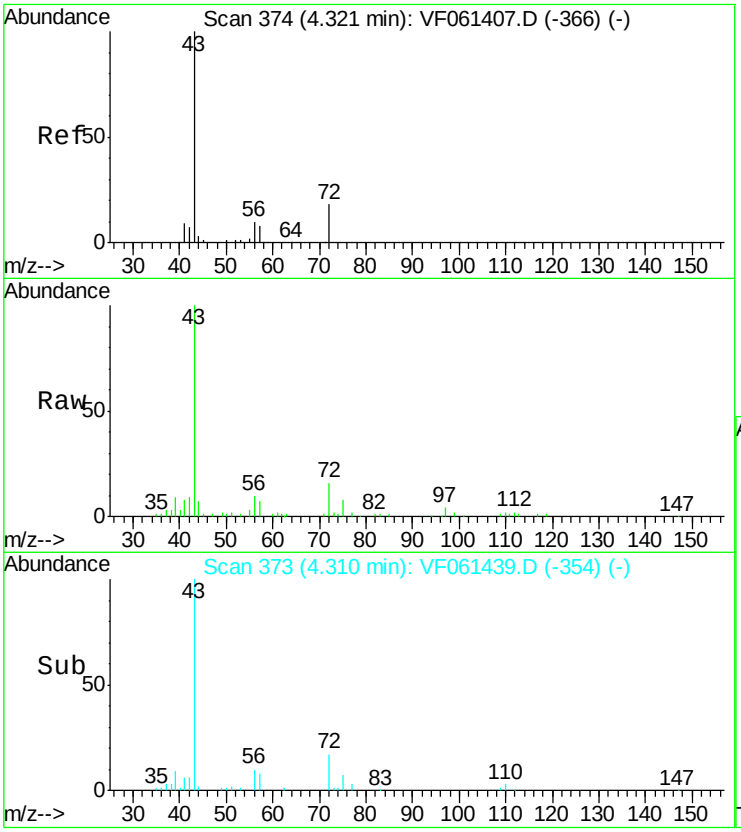




#24
1,1-Dichloroethane
Concen: 21.197 ug/l
RT: 2.86 min Scan# 226
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 63 Resp: 81891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.6 | 2.9 | 8.8 |
| 100 | 3.0 | 1.6 | 4.8 |



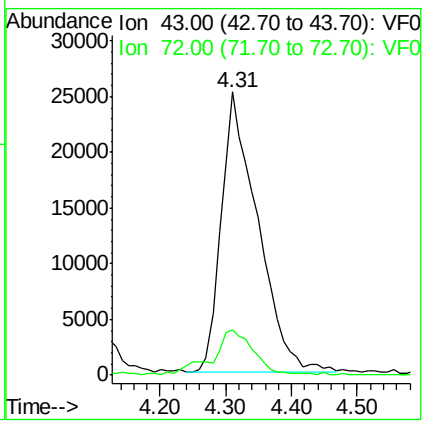


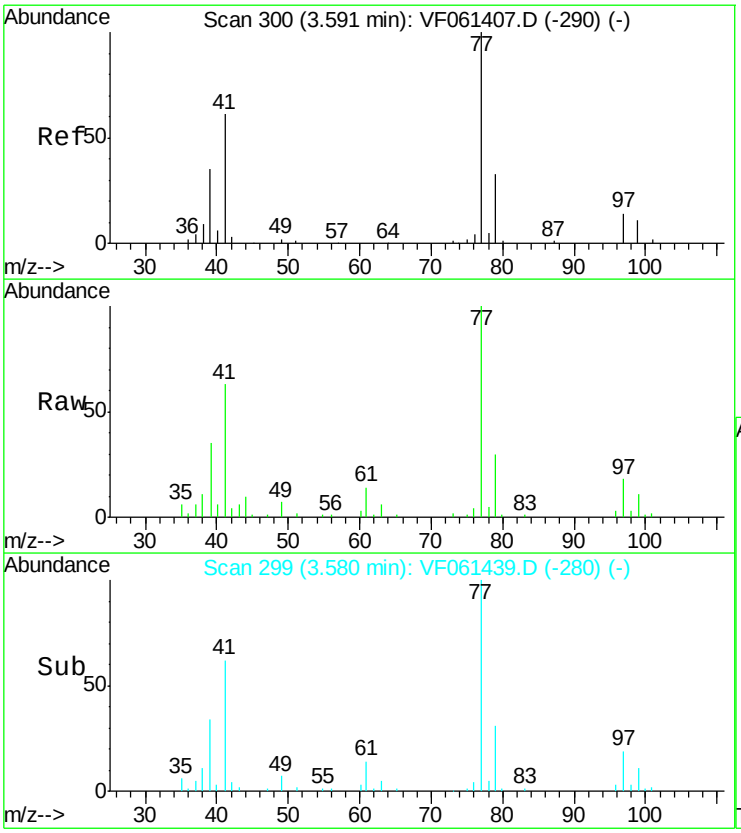

#25
2-Butanone
Concen: 122.243 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 43 Resp: 97920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 16.2 | 15.8 | 23.6 |

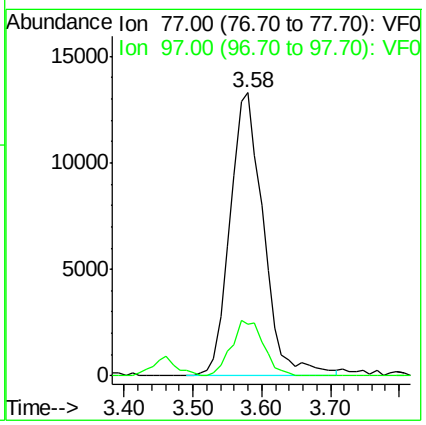


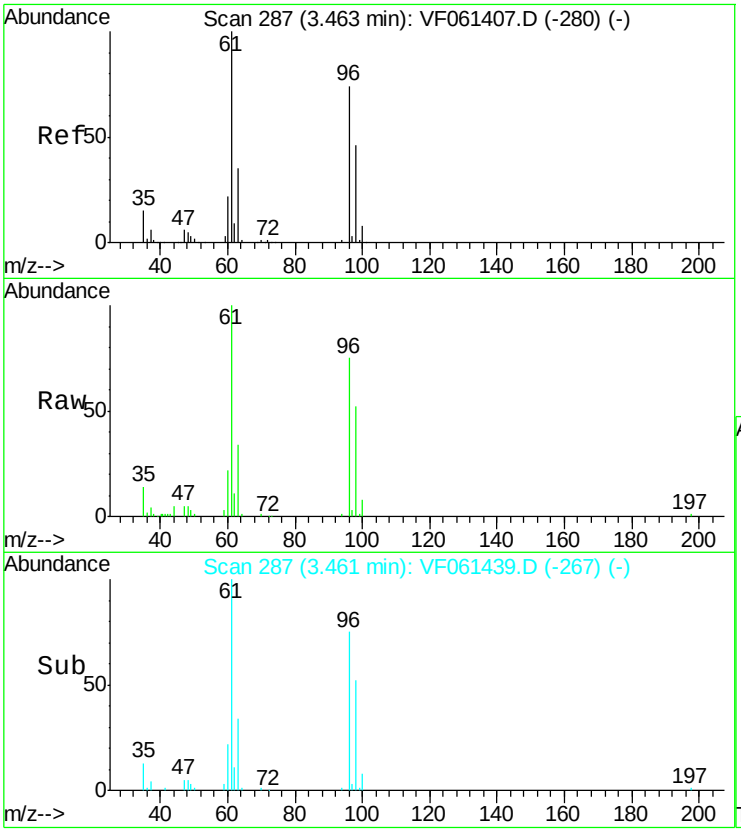




#26
2,2-Dichloropropane
Concen: 18.943 ug/l
RT: 3.58 min Scan# 299
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 77 Resp: 44963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 18.4 | 8.5 | 25.5 |



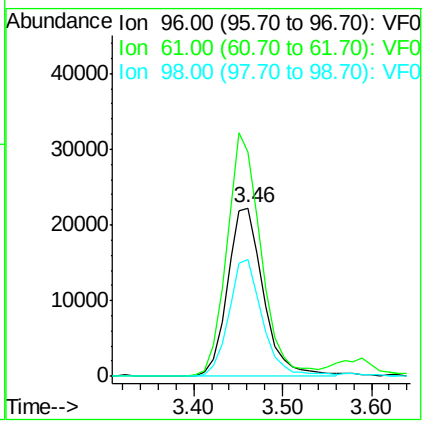


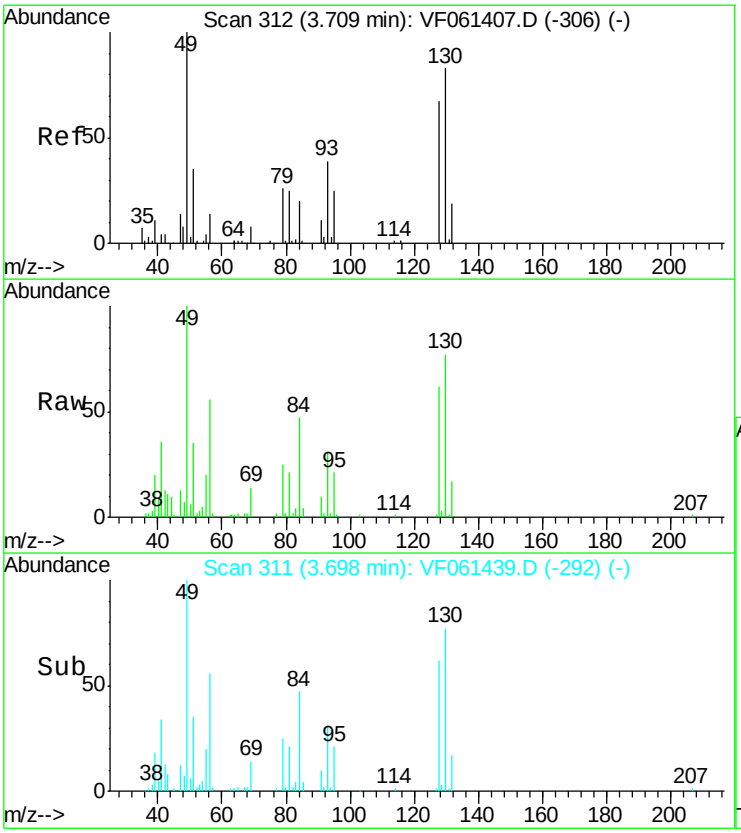

#27
cis-1,2-Dichloroethene
Concen: 22.216 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 96 Resp: 62409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.9 | 0.0 | 270.2 |
| 98 | 69.7 | 0.0 | 124.0 |

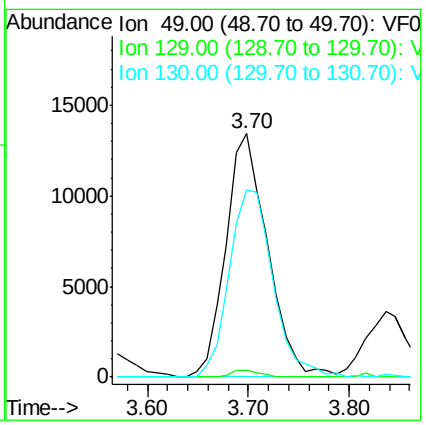


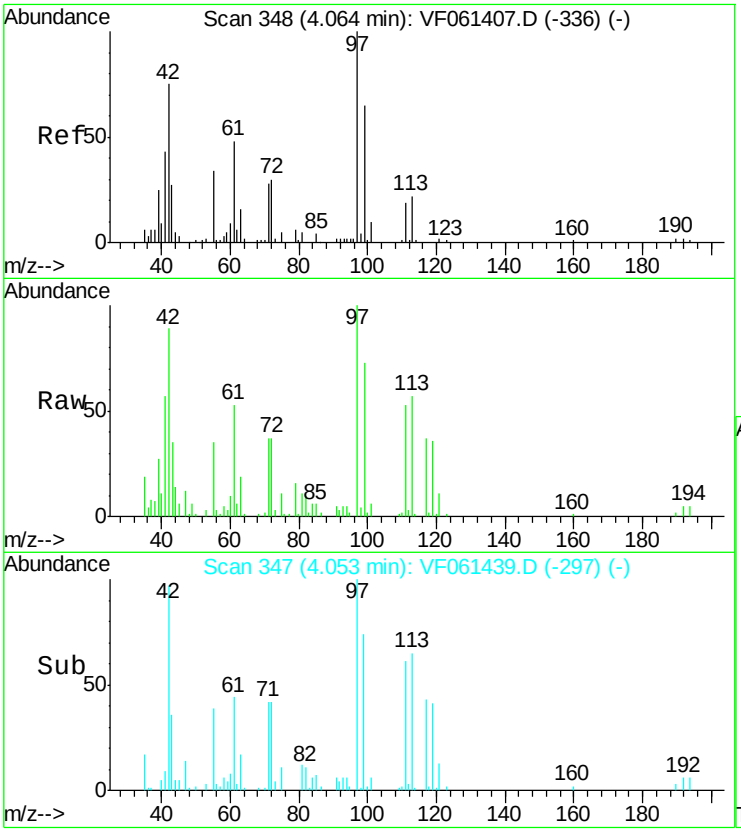




#28
Bromochloromethane
Concen: 22.419 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 49 Resp: 38933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.9 | 0.0 | 0.0# |
| 130 | 77.1 | 65.4 | 98.2 |



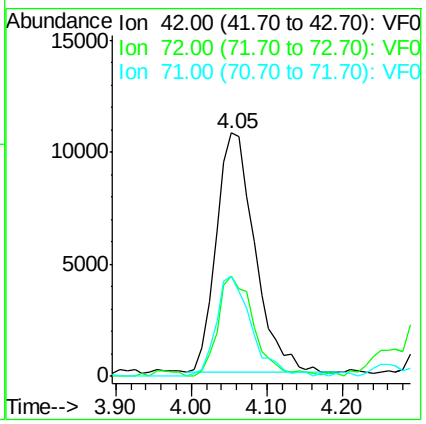


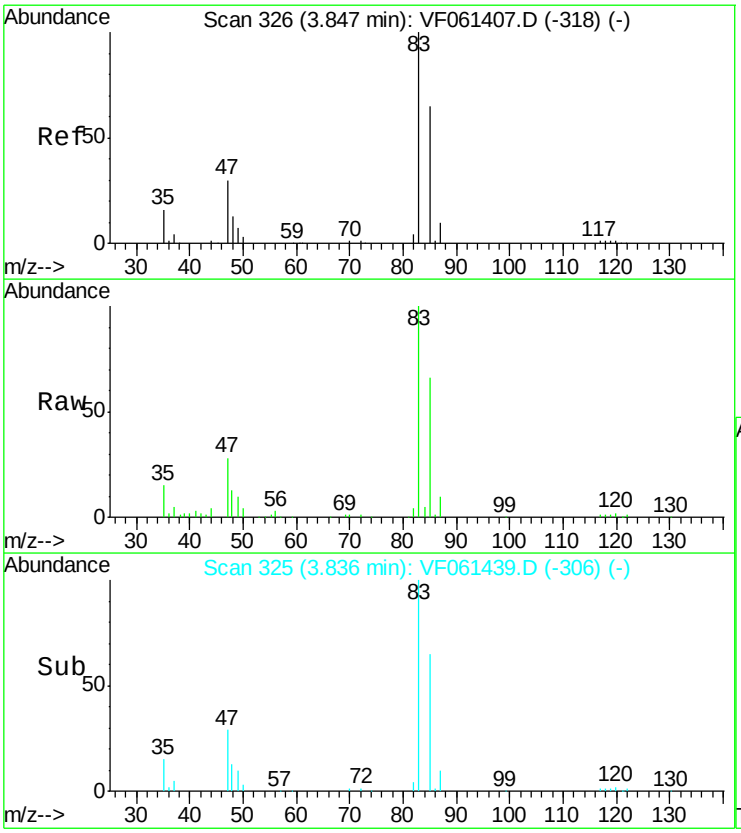

#29
Tetrahydrofuran
Concen: 109.954 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 42 Resp: 37925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.8 | 28.9 | 43.3 |
| 71 | 38.5 | 29.6 | 44.4 |

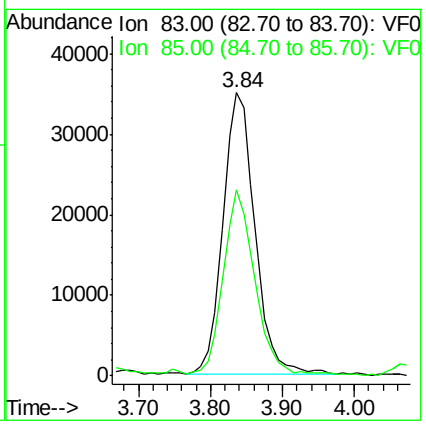


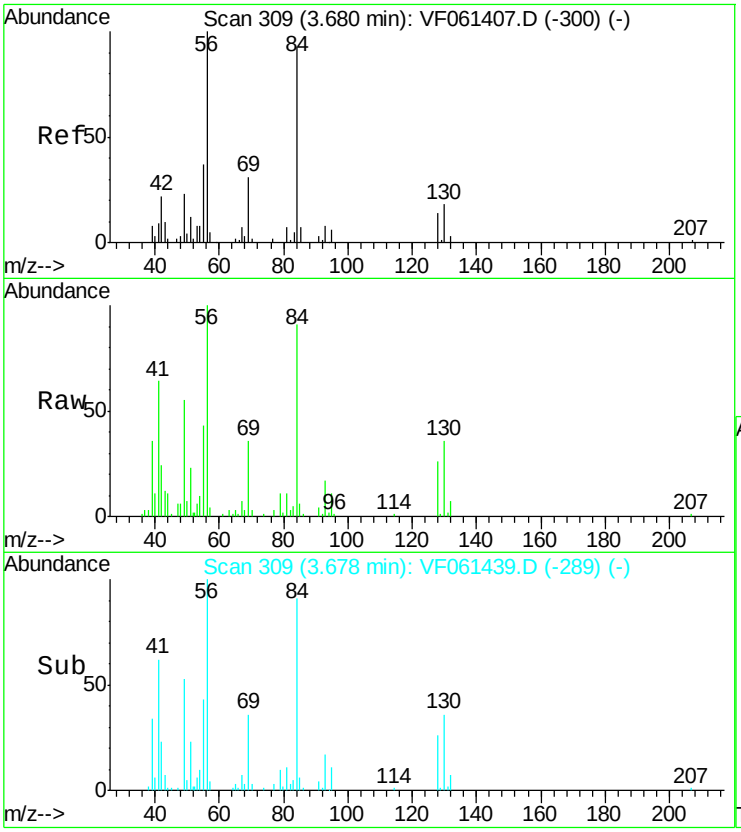




#30
Chloroform
Concen: 20.531 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 83 Resp: 107043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 52.7 | 79.1 |



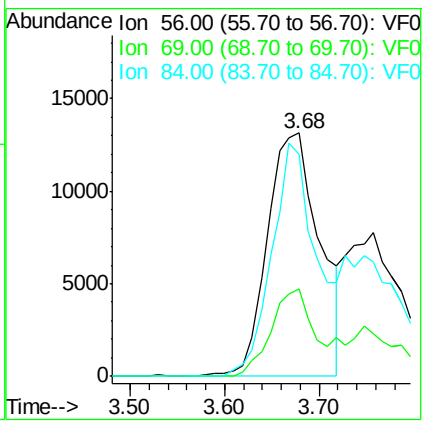


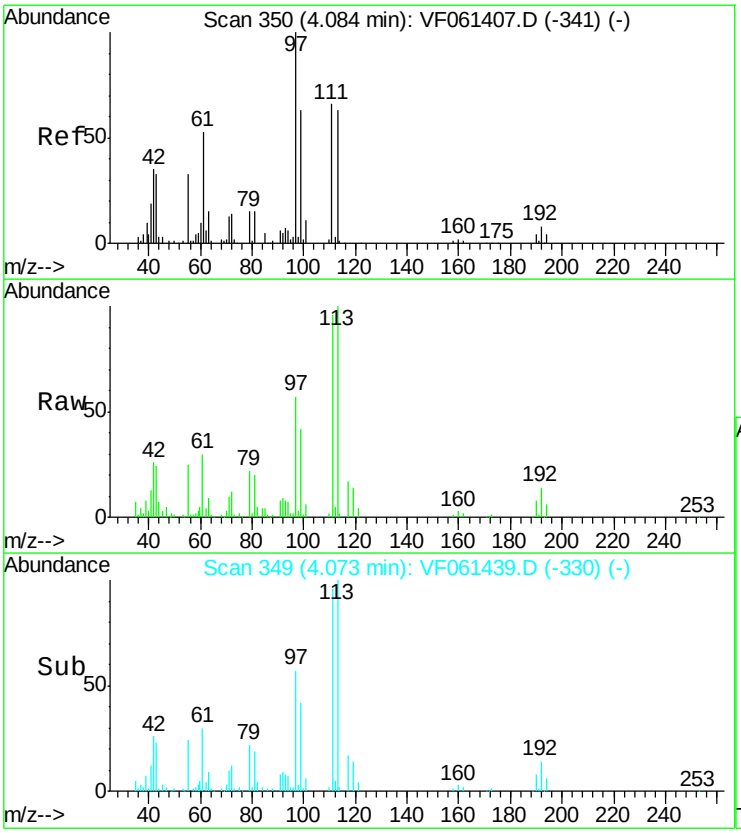

#31
Cyclohexane
Concen: 13.163 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 56 Resp: 50799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 36.1 | 24.6 | 36.8 |
| 84 | 91.0 | 74.2 | 111.2 |

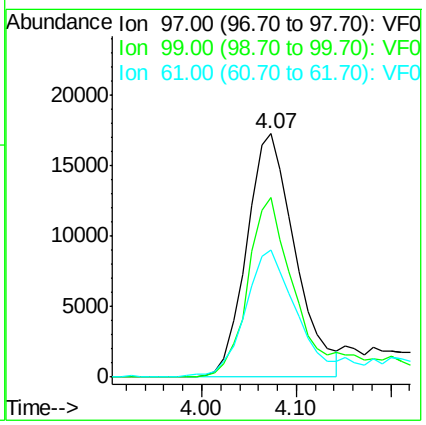


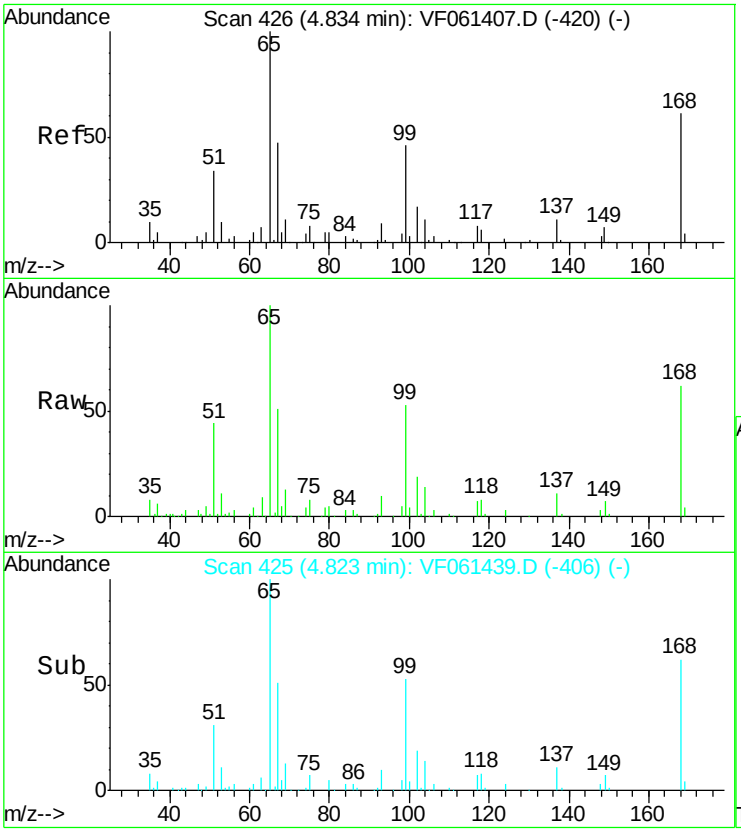




#32
1,1,1-Trichloroethane
Concen: 16.148 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 97 Resp: 61734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 73.6 | 50.1 | 75.1 |
| 61 | 52.0 | 43.1 | 64.7 |



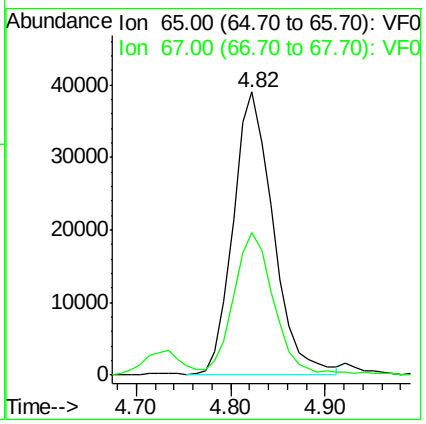


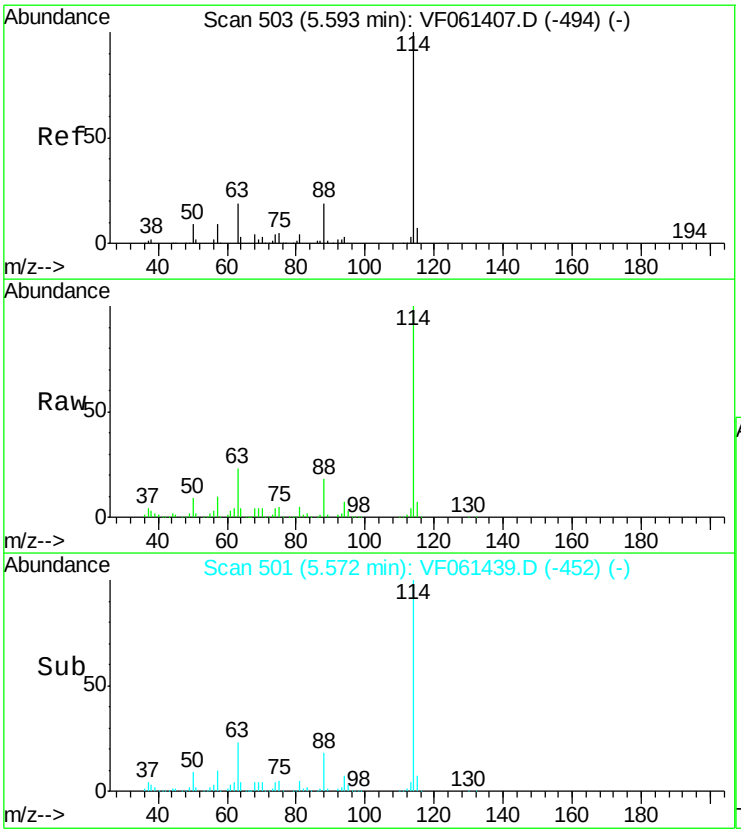

#33
1,2-Dichloroethane-d4
Concen: 47.388 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 65 Resp: 113783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 99.8 |

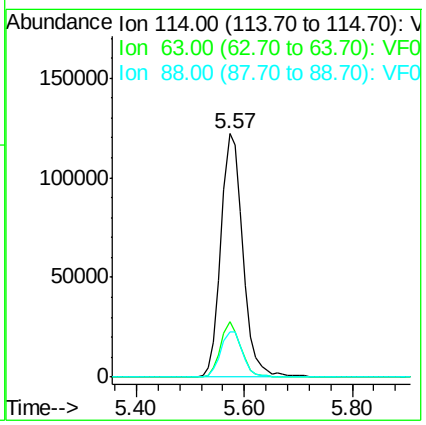


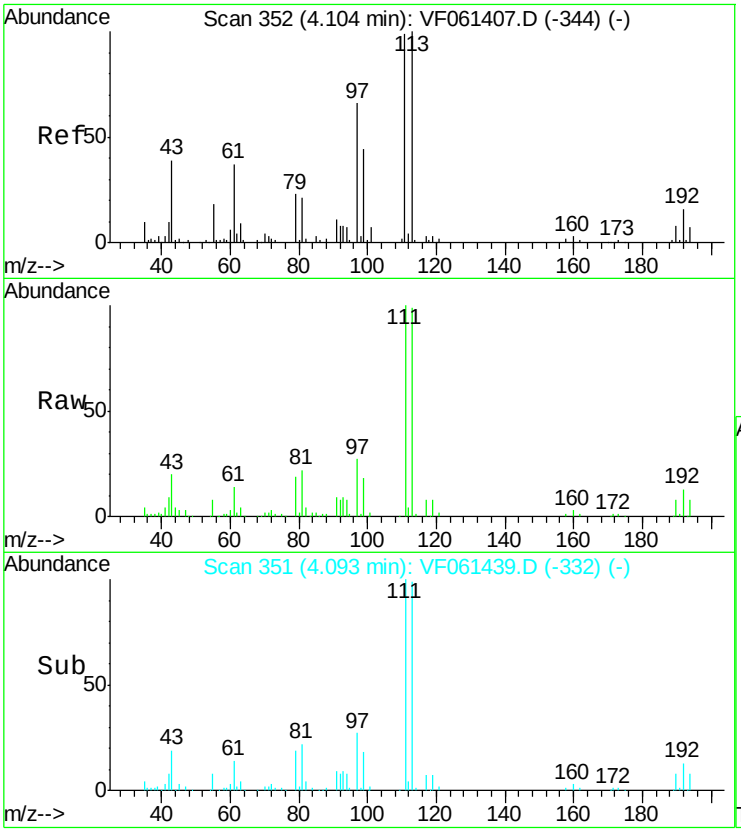




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.02 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:114 Resp: 344663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 39.0 |
| 88 | 18.3 | 0.0 | 37.4 |



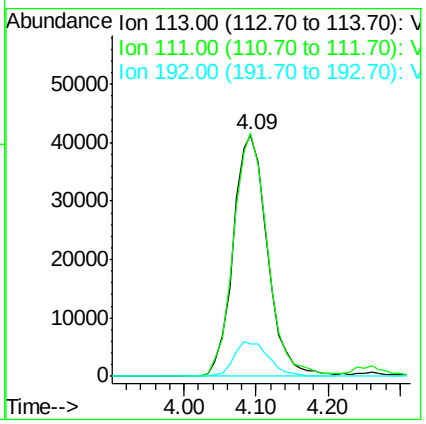


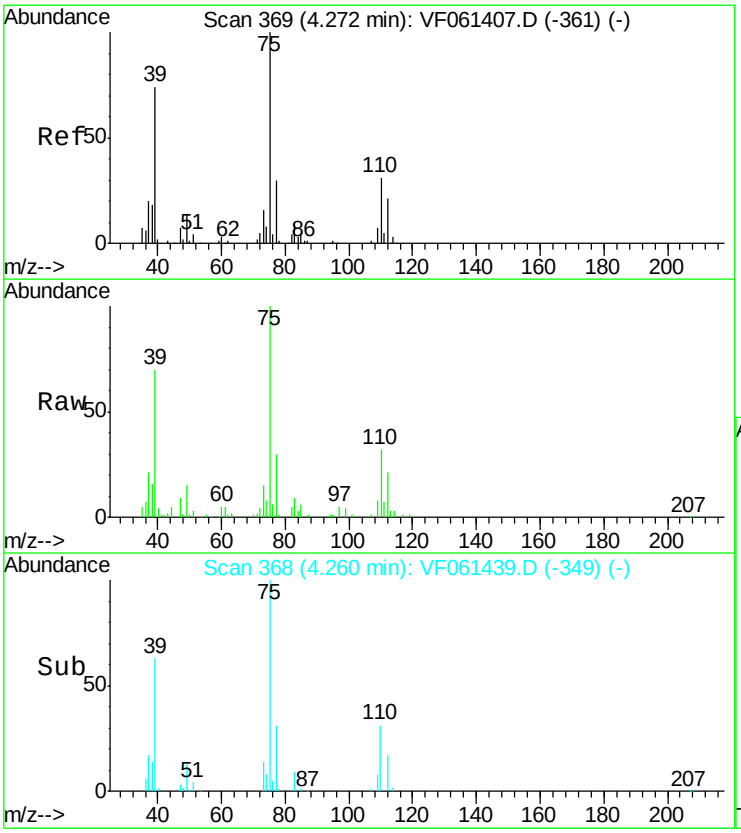

#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:113 Resp: 136926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.7 | 79.4 | 119.0 |
| 192 | 13.5 | 12.4 | 18.6 |

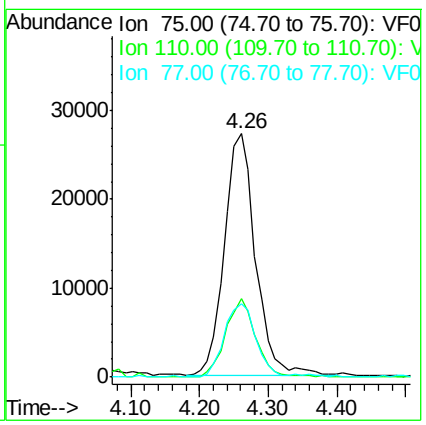


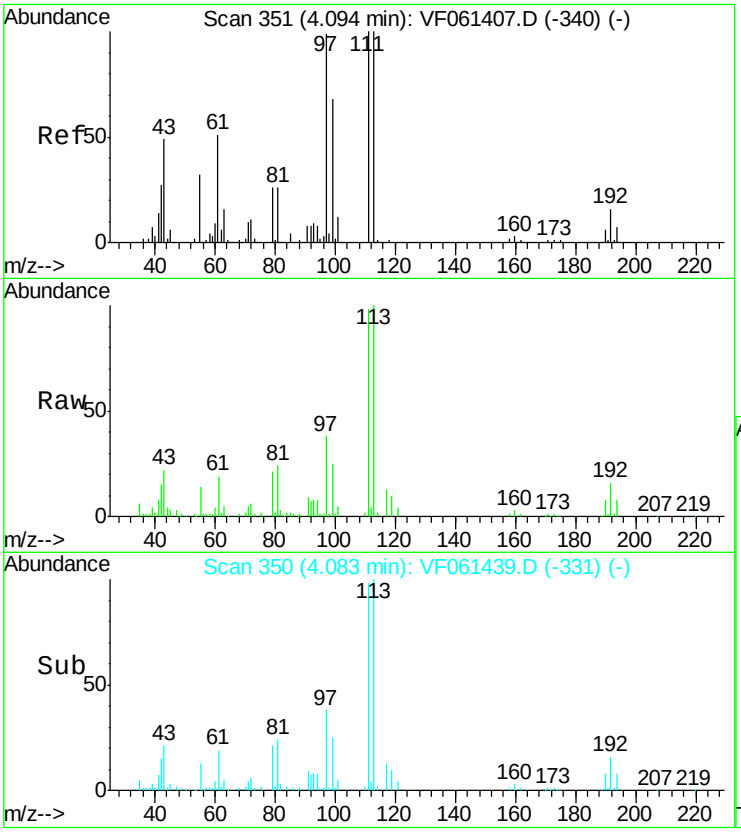




#36
1,1-Dichloropropene
Concen: 21.475 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 75 Resp: 85820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.3 | 15.8 | 47.3 |
| 77 | 30.1 | 24.0 | 36.0 |



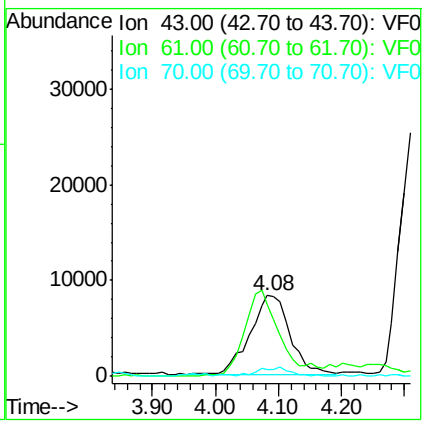


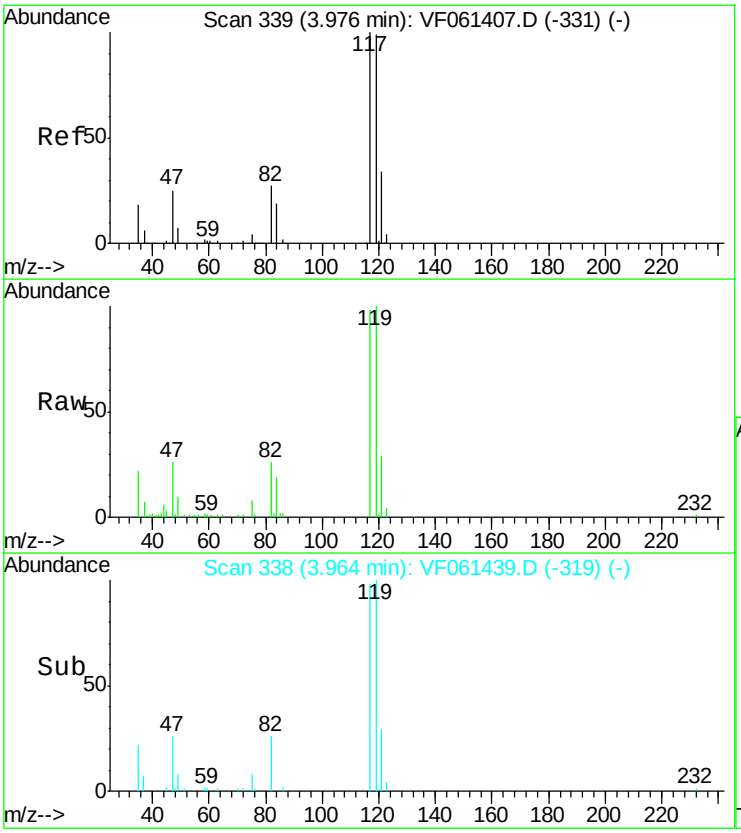

#37
Ethyl Acetate
Concen: 22.757 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 43 Resp: 36352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 88.3 | 81.7 | 122.5 |
| 70 | 8.2 | 6.2 | 9.2 |

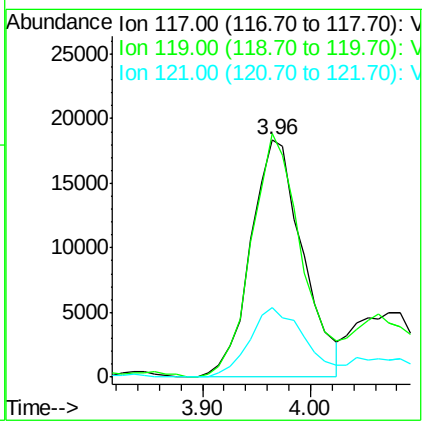


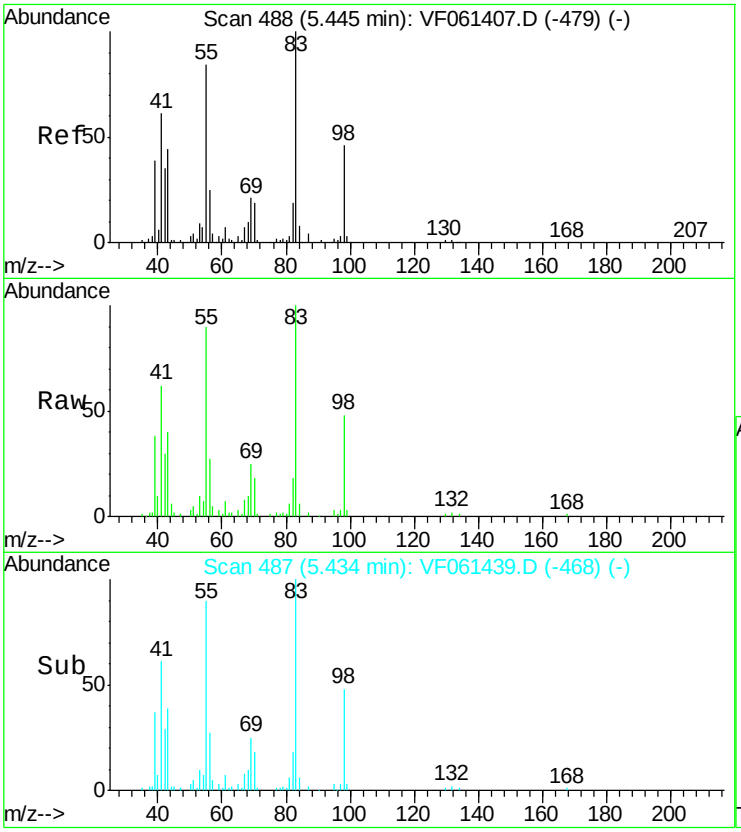




#38
Carbon Tetrachloride
Concen: 17.564 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:117 Resp: 61361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.4 | 79.0 | 118.6 |
| 121 | 29.4 | 27.0 | 40.6 |



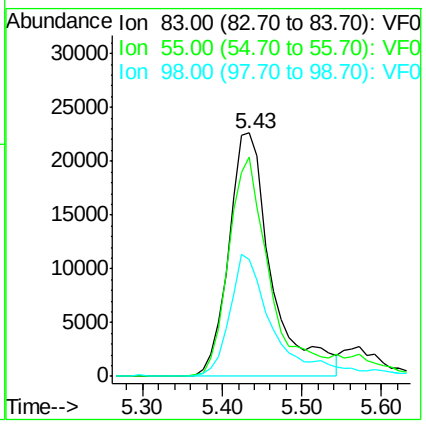


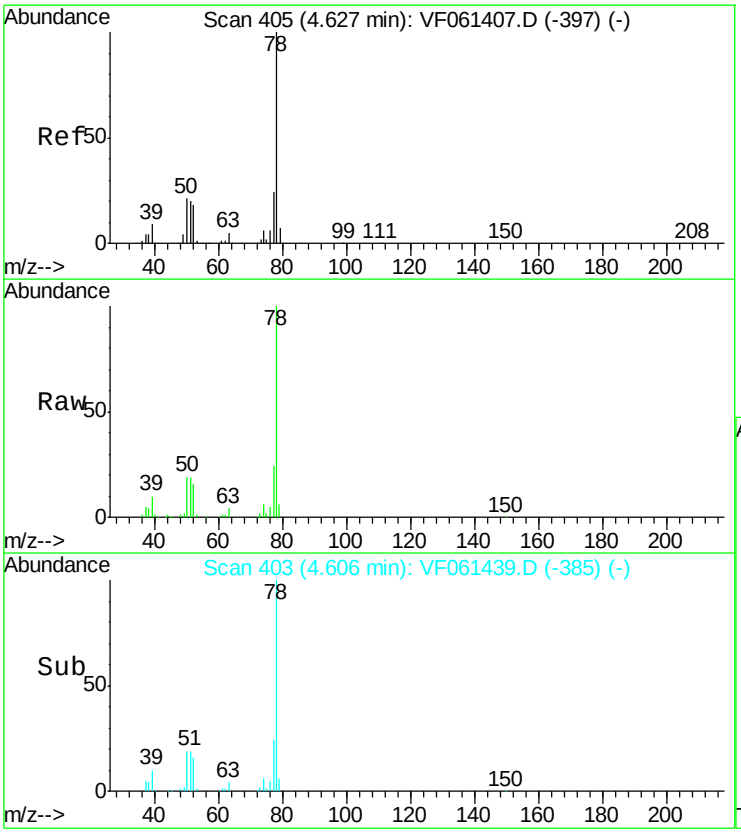

#39
Methylcyclohexane
Concen: 19.555 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 83 Resp: 84686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 89.8 | 67.4 | 101.2 |
| 98 | 47.9 | 36.7 | 55.1 |

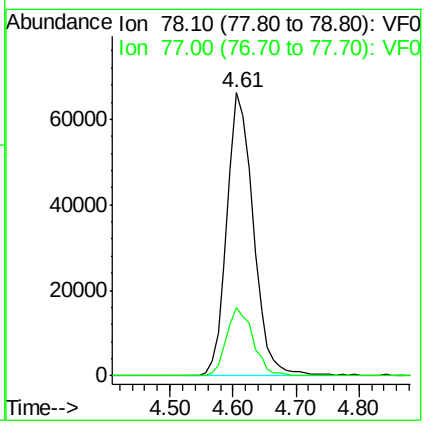


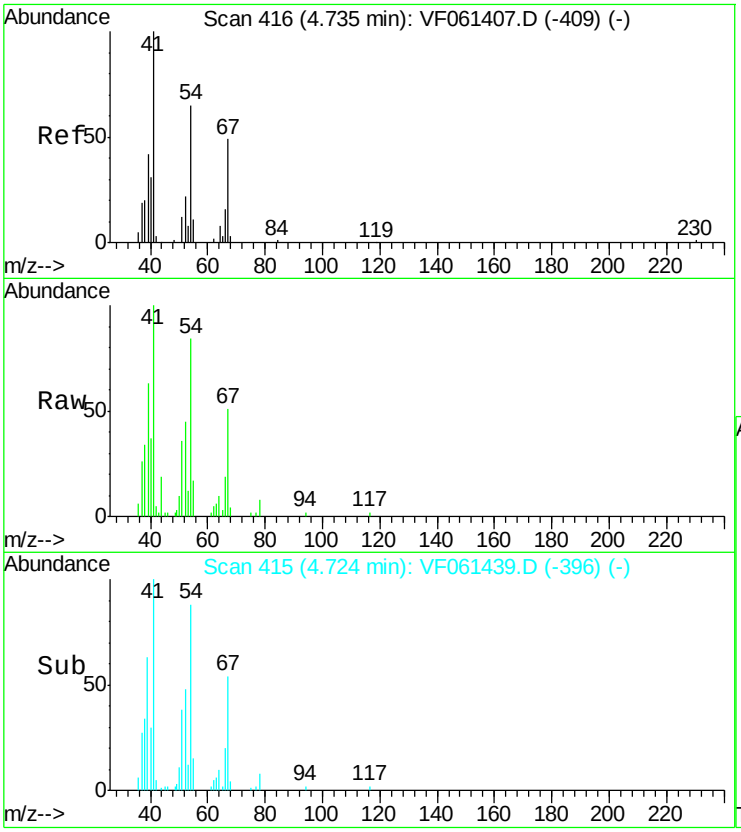




#40
Benzene
Concen: 21.706 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 78 Resp: 193018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.0 | 28.6 |



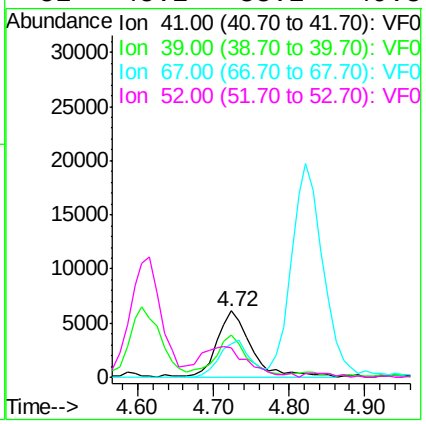


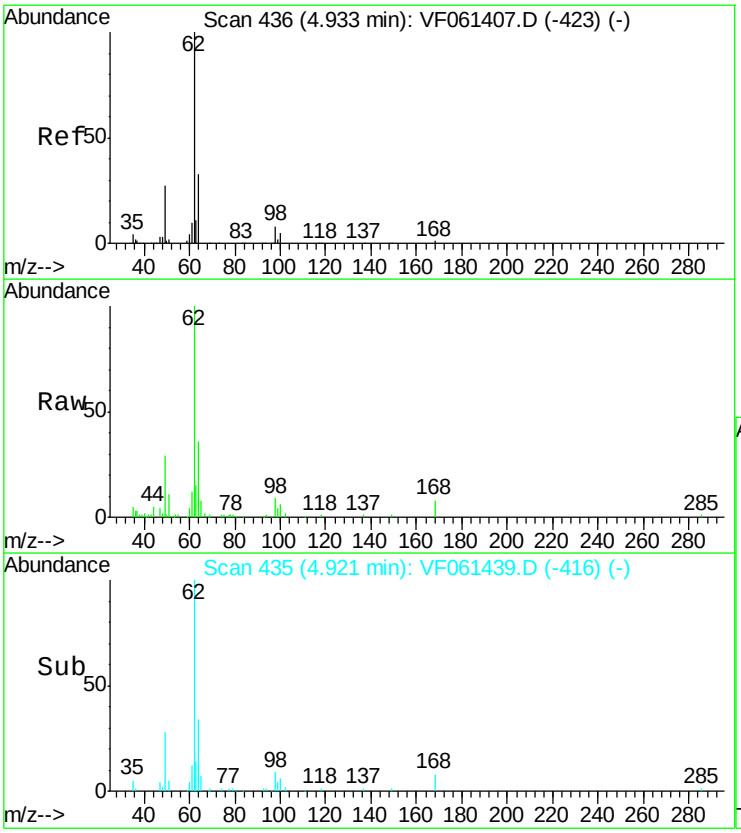

#41
Methacrylonitrile
Concen: 22.483 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 41 Resp: 19110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.5 | 43.1 | 64.7 |
| 67 | 51.2 | 38.8 | 58.2 |
| 52 | 45.2 | 33.2 | 49.8 |

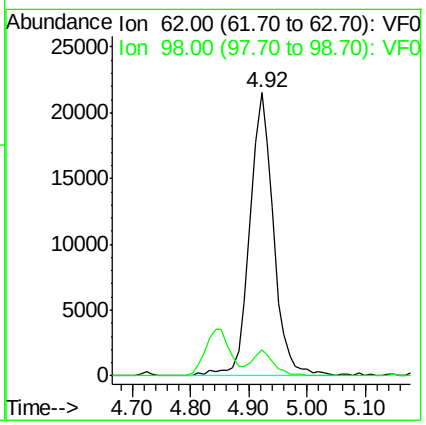


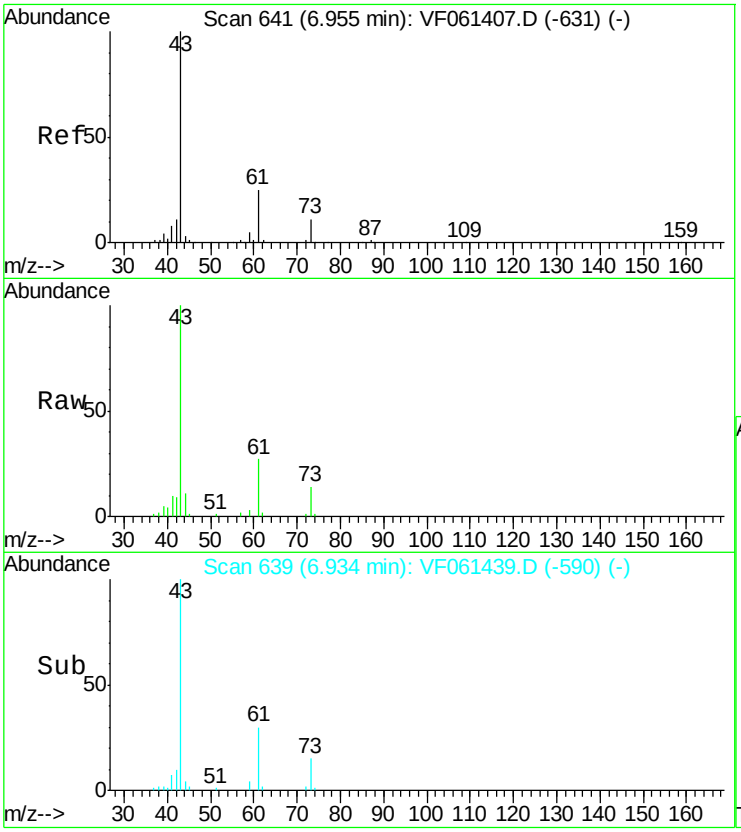




#42
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 62 Resp: 62252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.0 |



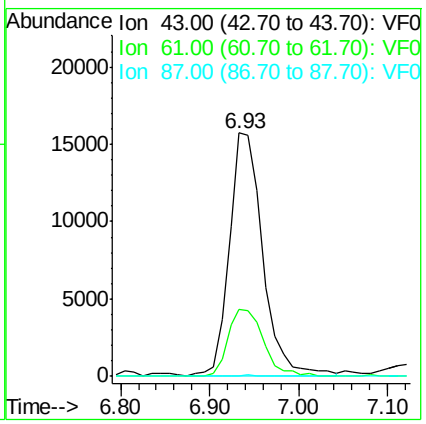


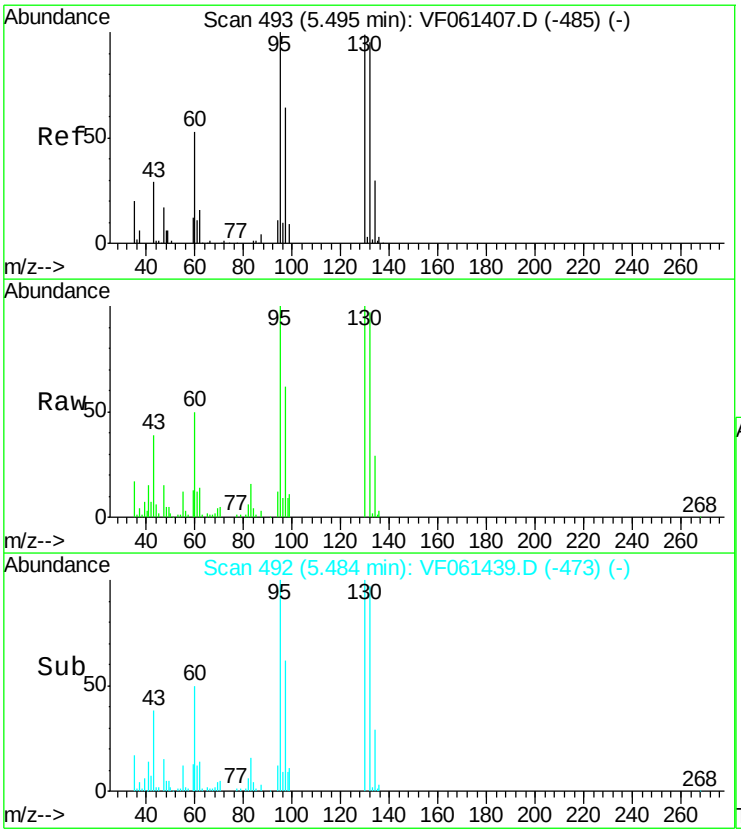

#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 43 Resp: 41441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 27.4 | 20.3 | 30.5 |
| 87 | 0.0 | 0.5 | 0.7# |

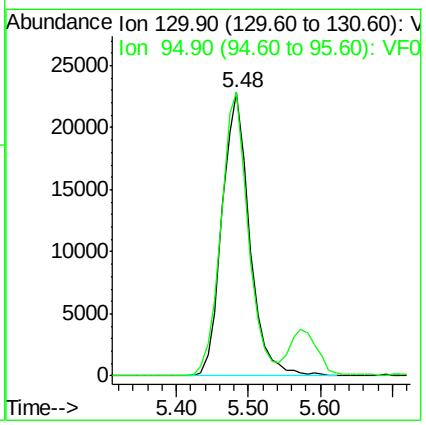


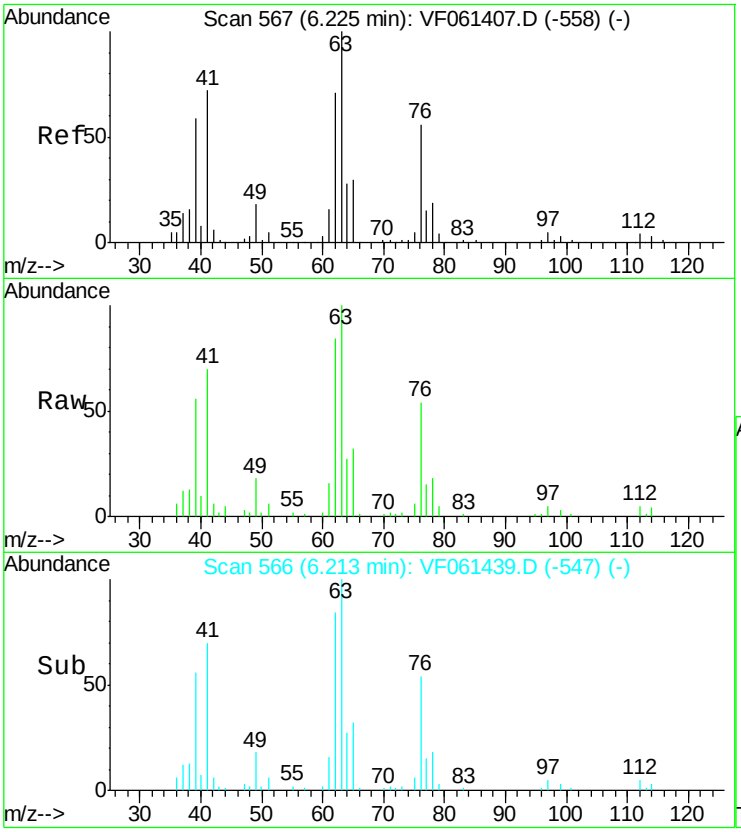




#44
Trichloroethene
Concen: 22.099 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:130 Resp: 60283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.0 | 0.0 | 202.8 |



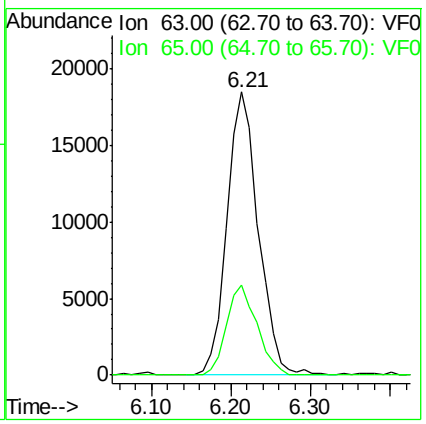


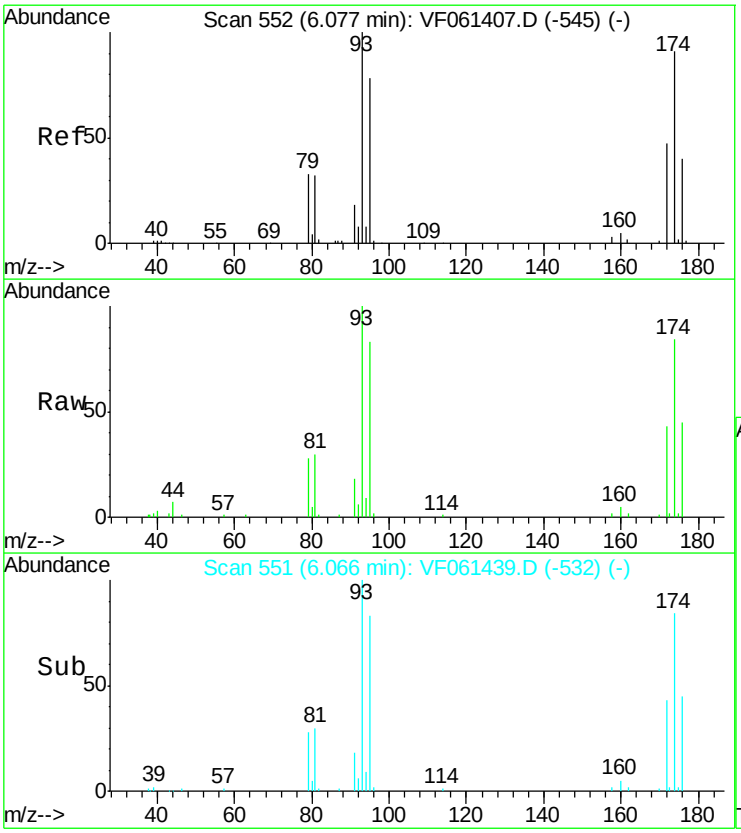

#45
1,2-Dichloropropane
Concen: 21.773 ug/l
RT: 6.21 min Scan# 566
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 63 Resp: 50813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 24.4 | 36.6 |

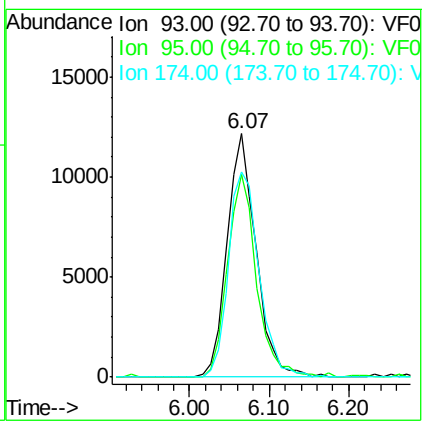


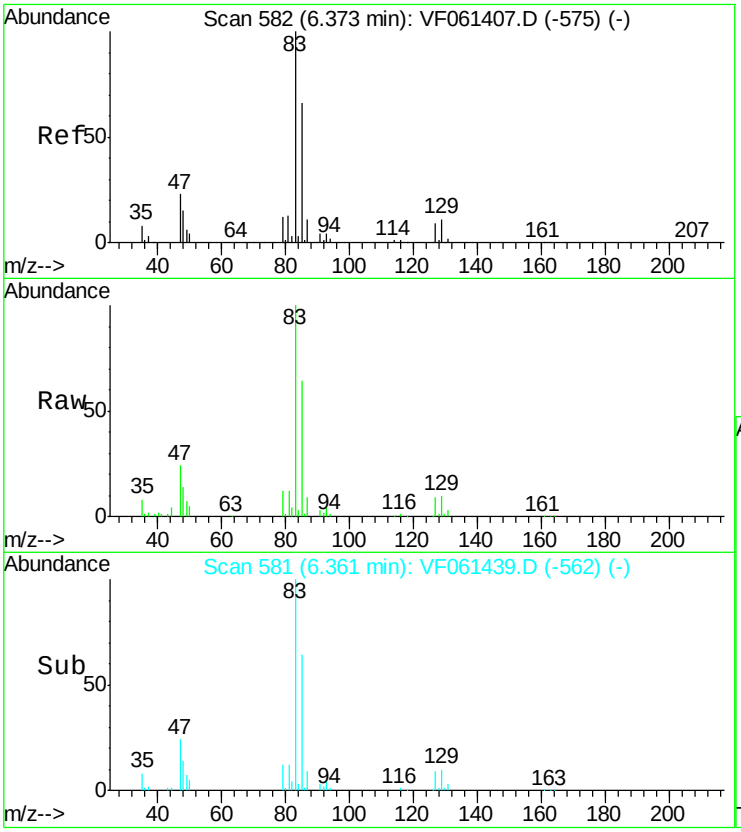




#46
Dibromomethane
Concen: 19.978 ug/l
RT: 6.07 min Scan# 551
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 93 Resp: 31002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.5 | 62.1 | 93.1 |
| 174 | 84.5 | 74.6 | 111.8 |



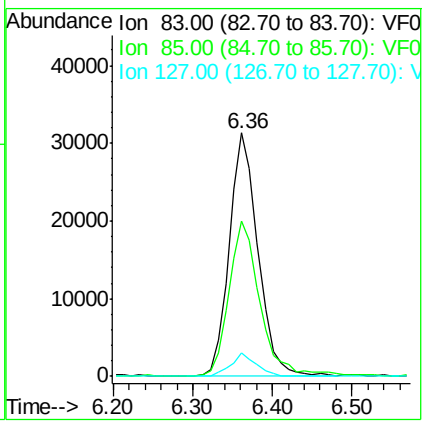


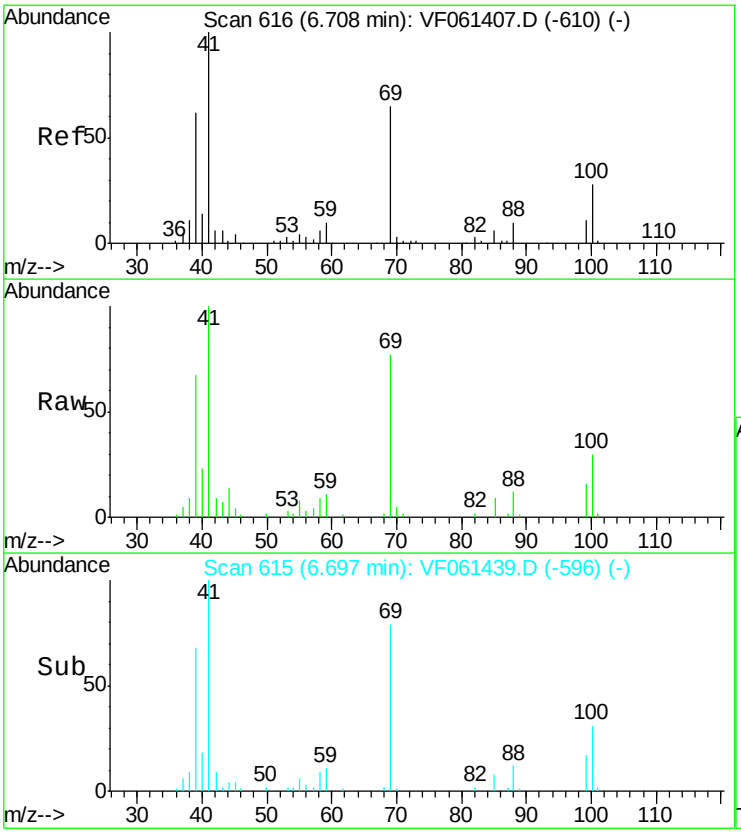

#47
Bromodichloromethane
Concen: 20.558 ug/l
RT: 6.36 min Scan# 581
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 83 Resp: 78932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.0 | 53.0 | 79.4 |
| 127 | 9.5 | 6.9 | 10.3 |

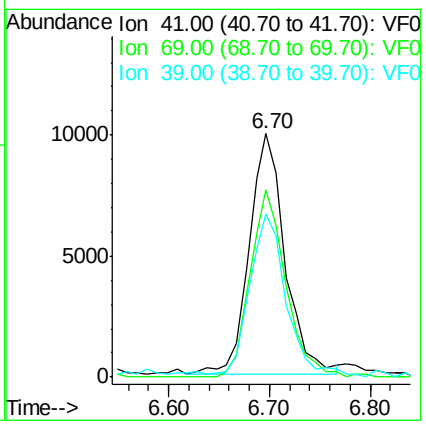


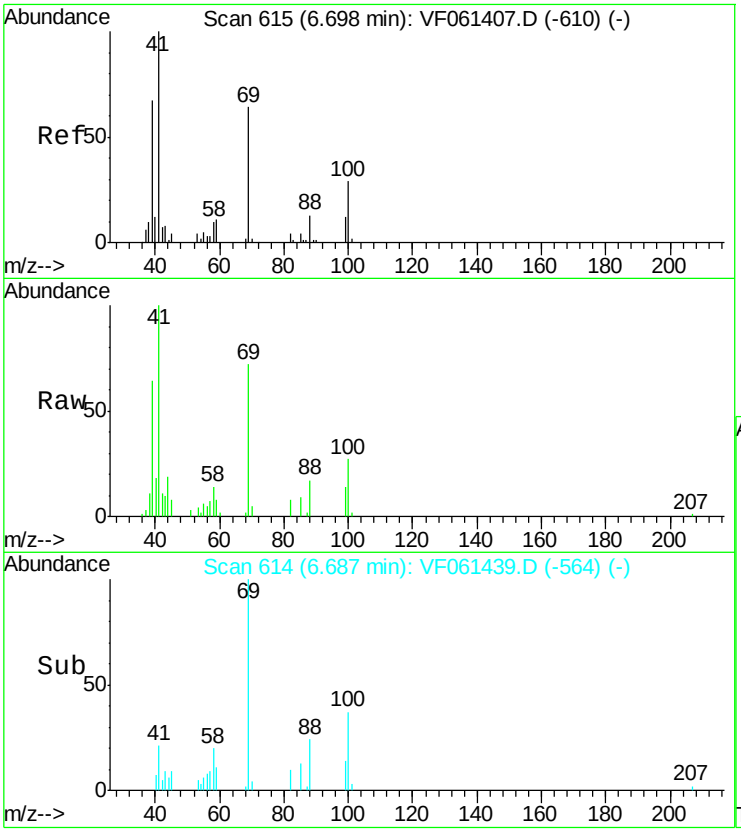




#48
Methyl methacrylate
Concen: 18.090 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 41 Resp: 24354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.7 | 51.7 | 77.5 |
| 39 | 66.7 | 49.2 | 73.8 |



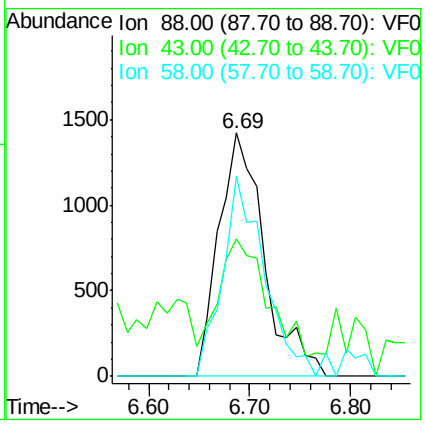


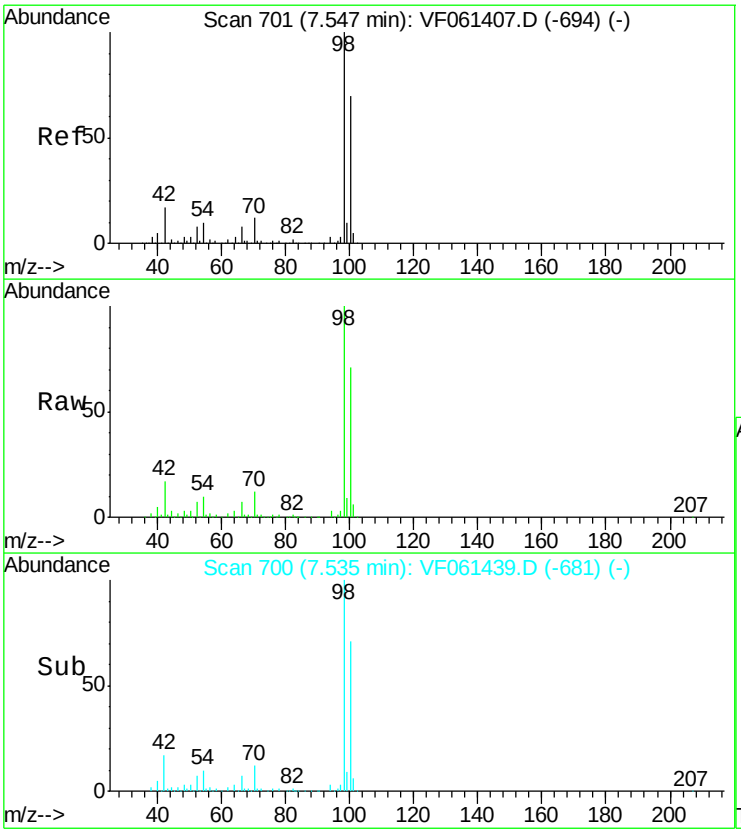

#49
1,4-Dioxane
Concen: 437.235 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 88 Resp: 4476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 56.4 | 55.5 | 83.3 |
| 58 | 82.4 | 59.9 | 89.9 |

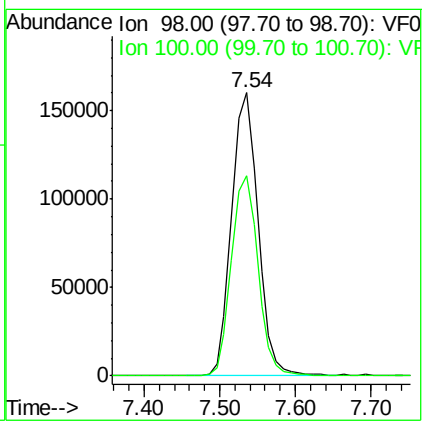


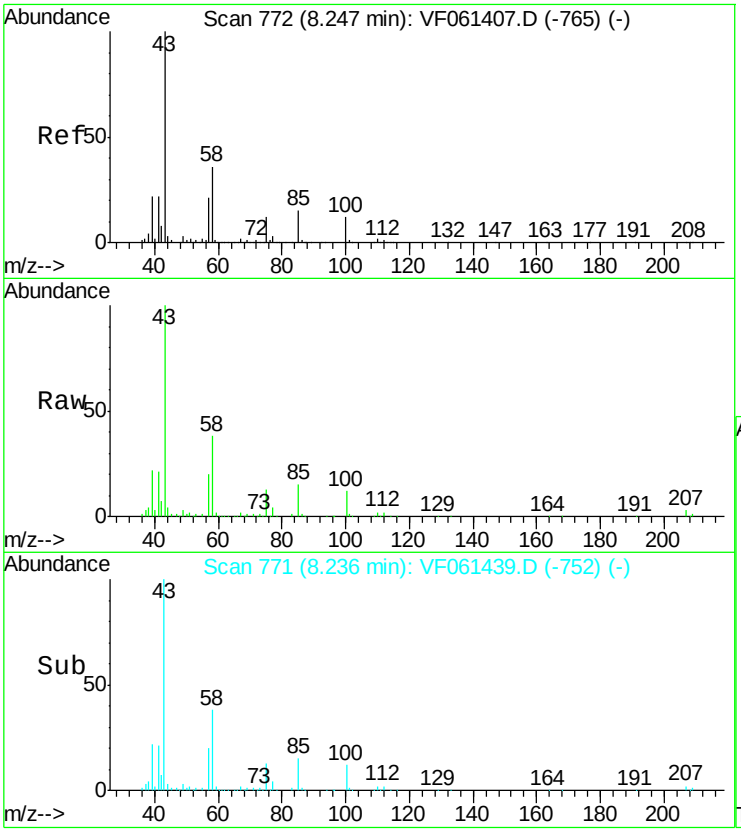




#50
Toluene-d8
Concen: 52.215 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 98 Resp: 389074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.5 | 55.6 | 83.4 |



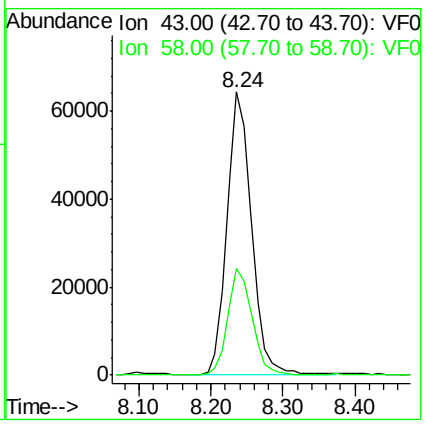


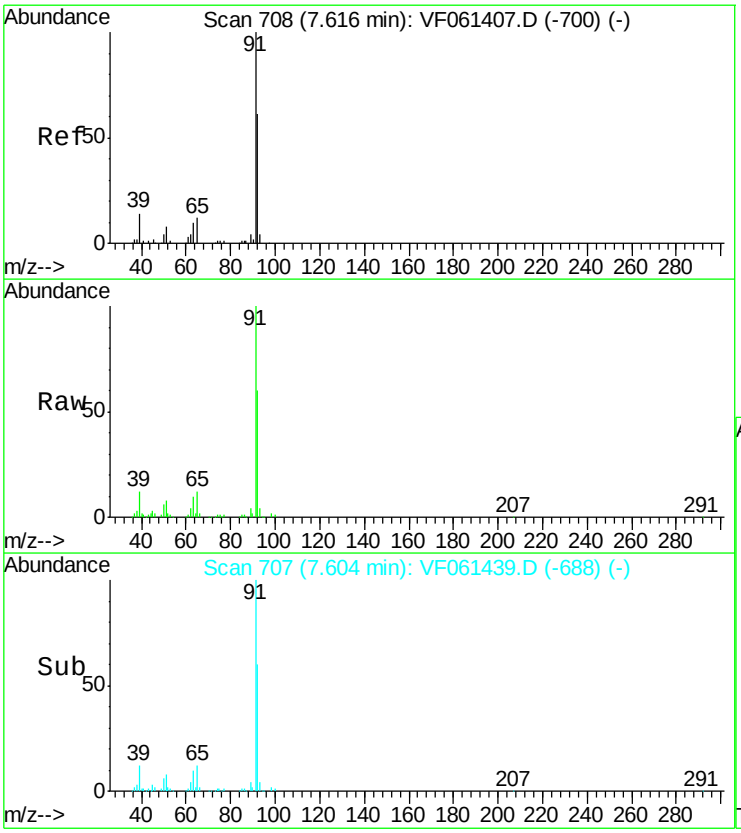

#51
4-Methyl-2-Pentanone
Concen: 104.451 ug/l
RT: 8.24 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 43 Resp: 153949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 28.8 | 43.2 |

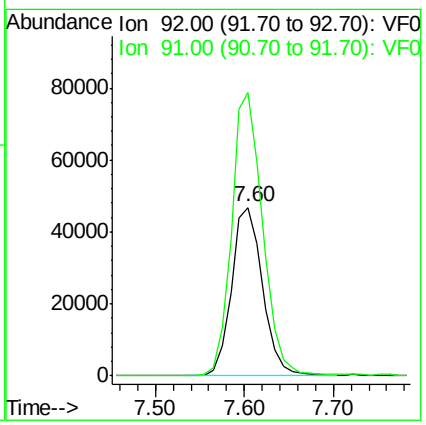


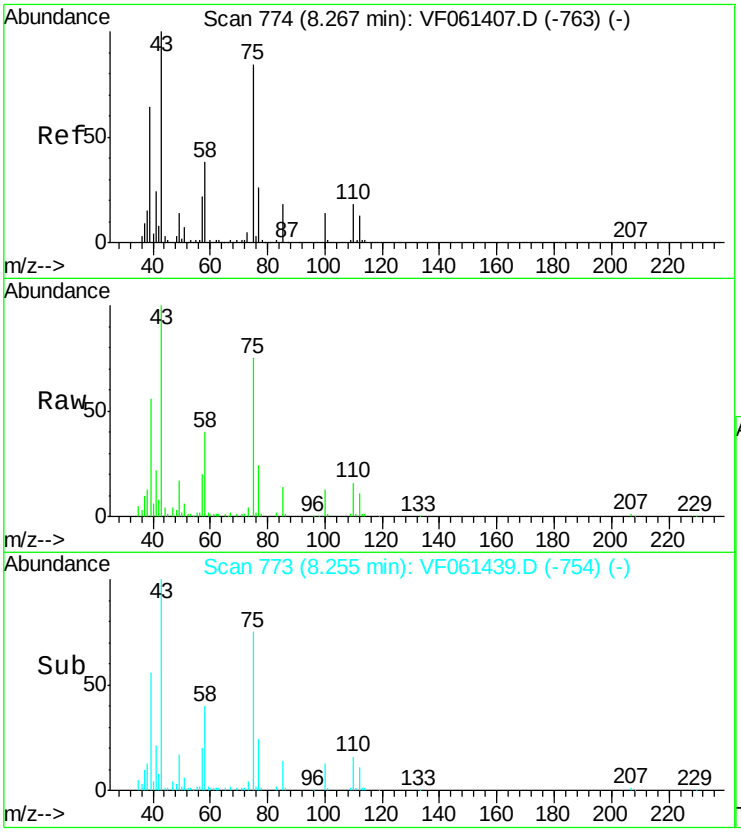




#52
Toluene
Concen: 19.489 ug/l
RT: 7.60 min Scan# 707
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 92 Resp: 114122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.0 | 131.2 | 196.8 |



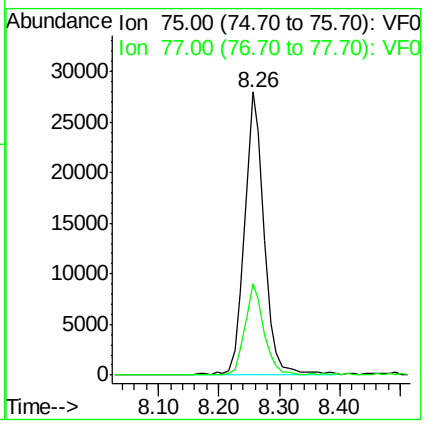


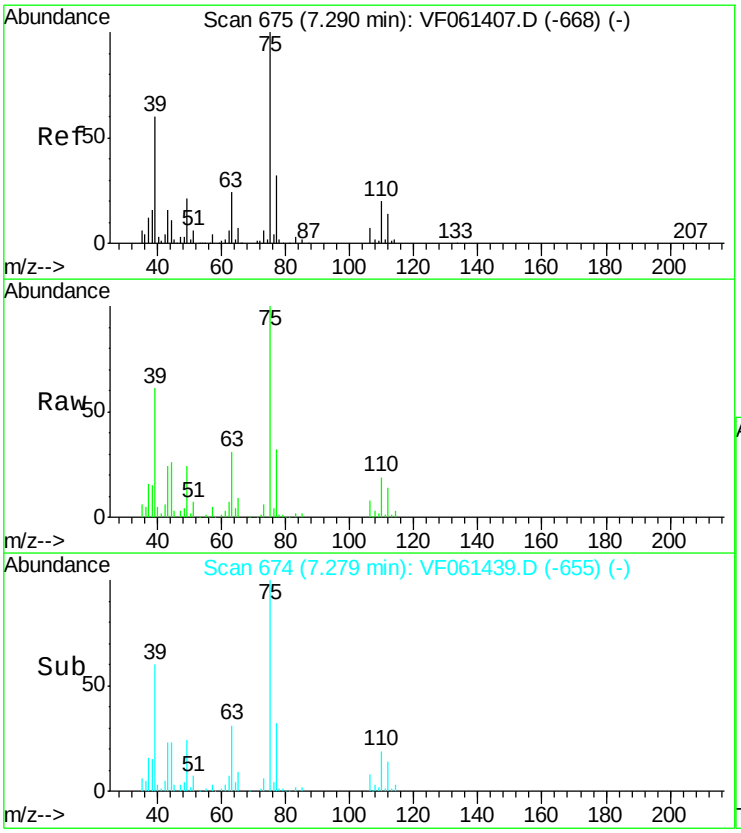

#53
t-1,3-Dichloropropene
Concen: 20.613 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 75 Resp: 62844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.4 | 36.6 |

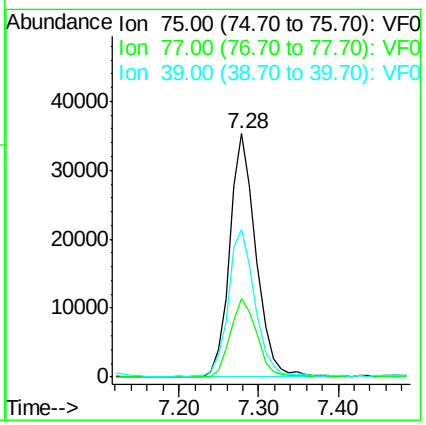


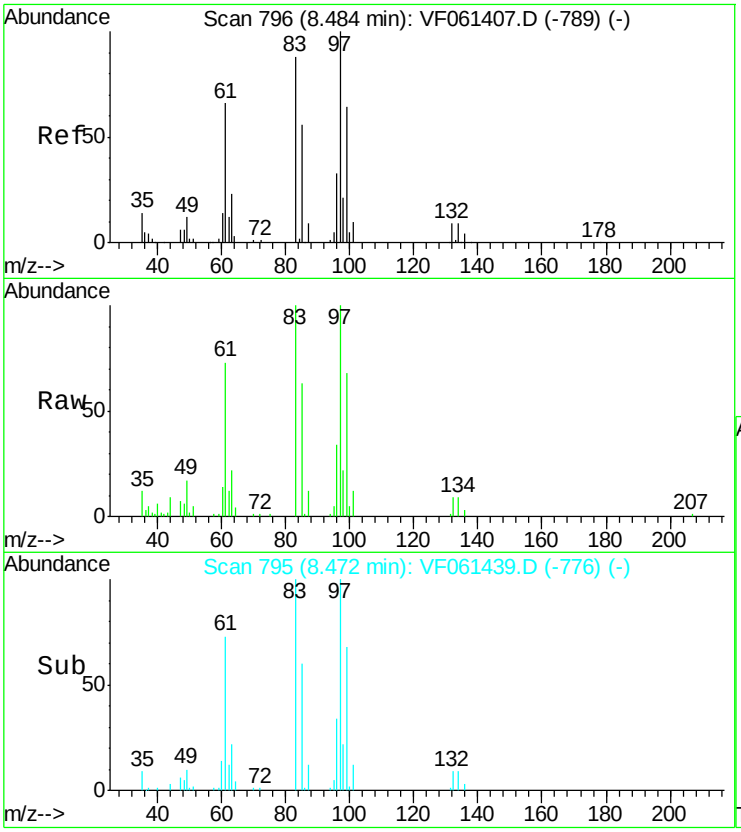




#54
cis-1,3-Dichloropropene
Concen: 21.393 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 75 Resp: 81528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.4 | 38.0 |
| 39 | 60.6 | 47.8 | 71.8 |



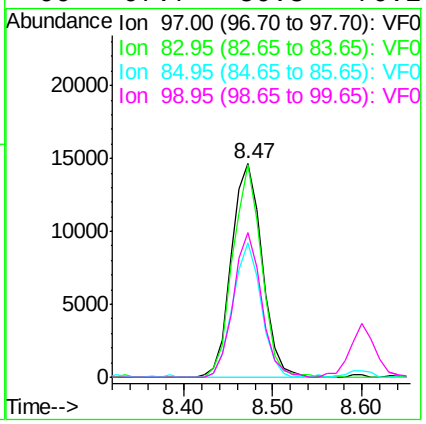


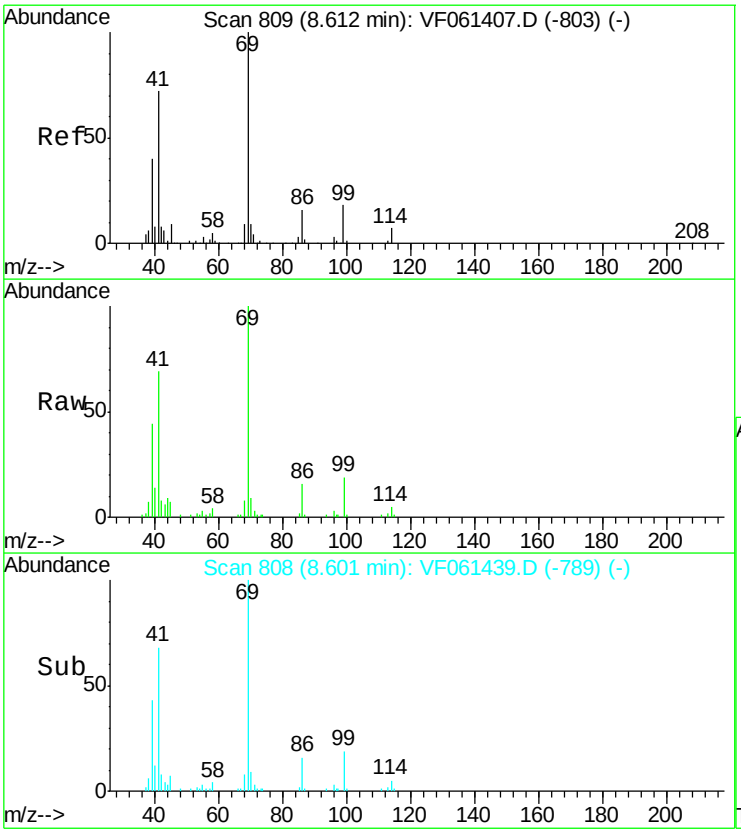

#55
1,1,2-Trichloroethane
Concen: 21.246 ug/l
RT: 8.47 min Scan# 795
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 97 Resp: 35329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 99.5 | 70.4 | 105.6 |
| 85 | 63.1 | 44.7 | 67.1 |
| 99 | 67.7 | 50.8 | 76.2 |

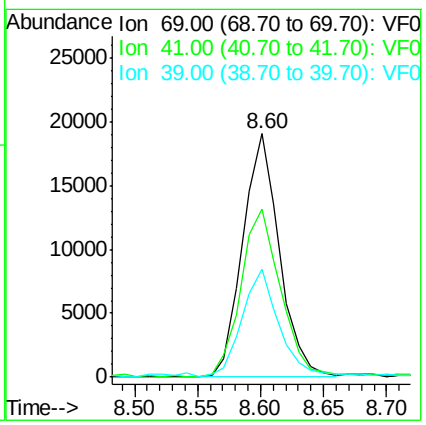


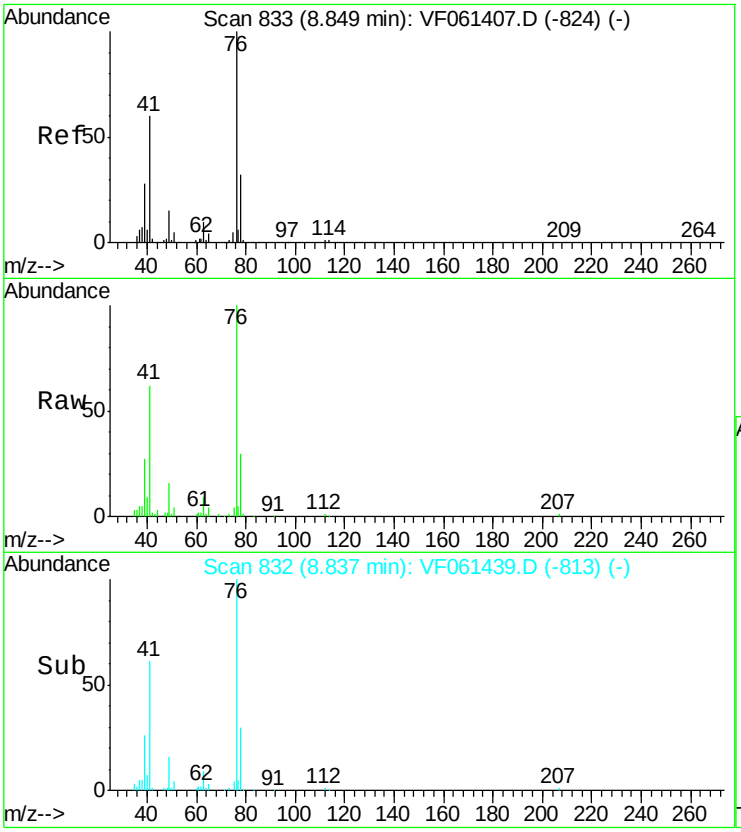




#56
Ethyl methacrylate
Concen: 19.984 ug/l
RT: 8.60 min Scan# 808
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 69 Resp: 38662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.9 | 57.5 | 86.3 |
| 39 | 44.2 | 32.0 | 48.0 |



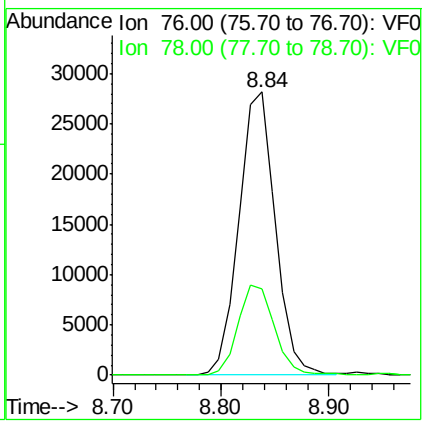


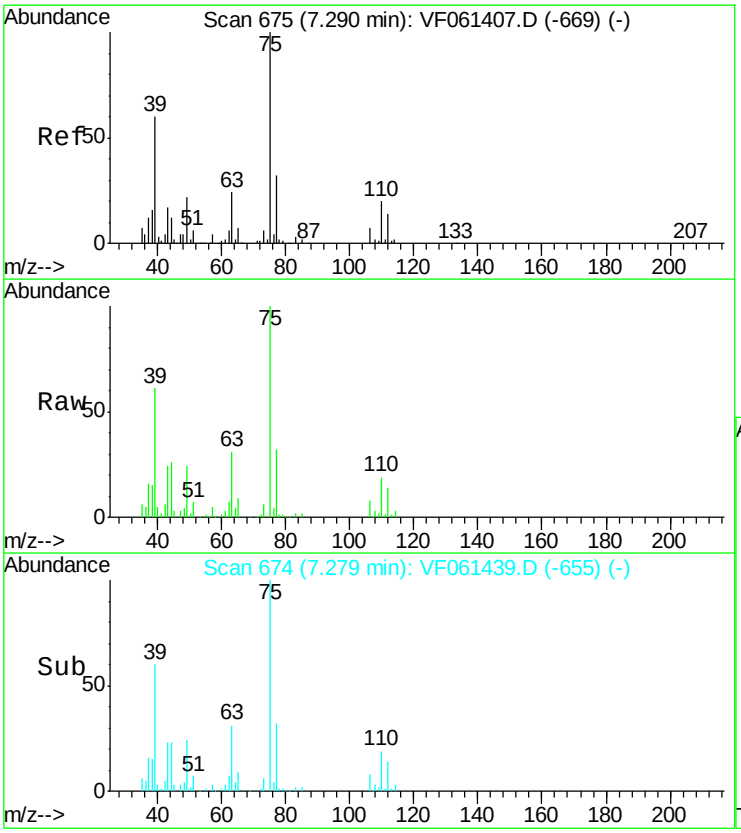

#57
1,3-Dichloropropane
Concen: 21.188 ug/l
RT: 8.84 min Scan# 832
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 76 Resp: 66041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 30.5 | 25.3 | 37.9 |

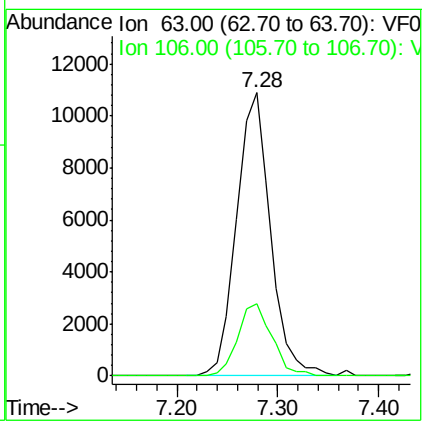


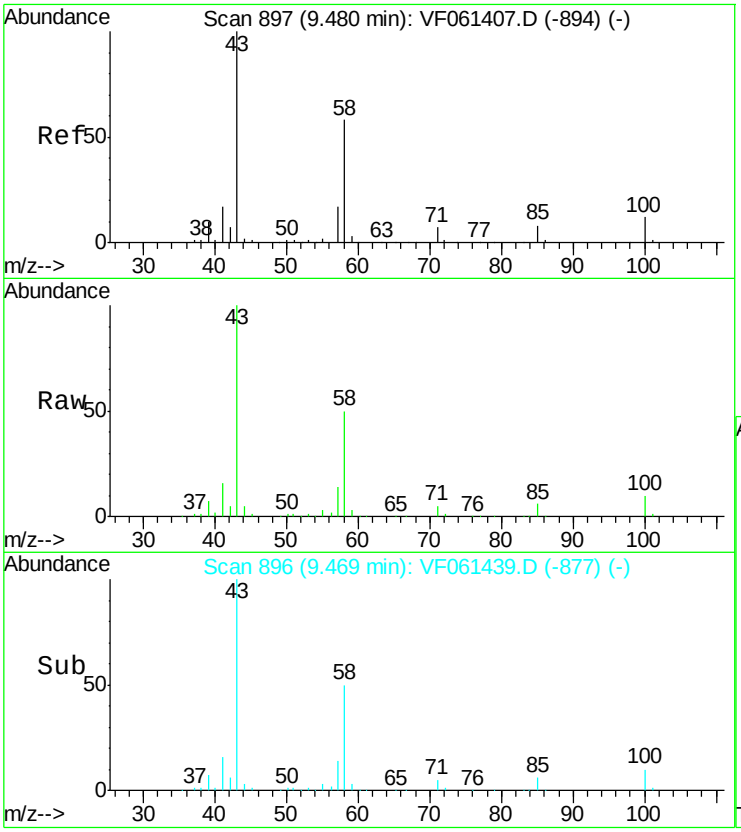




#58
2-Chloroethyl Vinyl ether
Concen: 139.443 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 63 Resp: 25515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 25.4 | 21.9 | 32.9 |



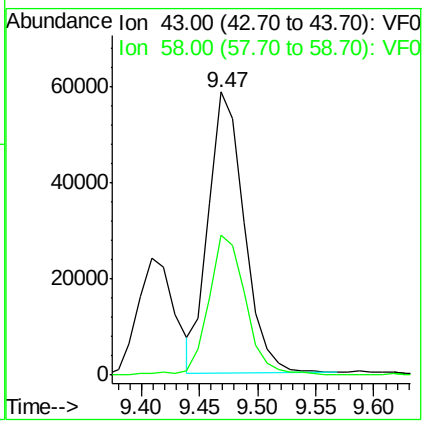


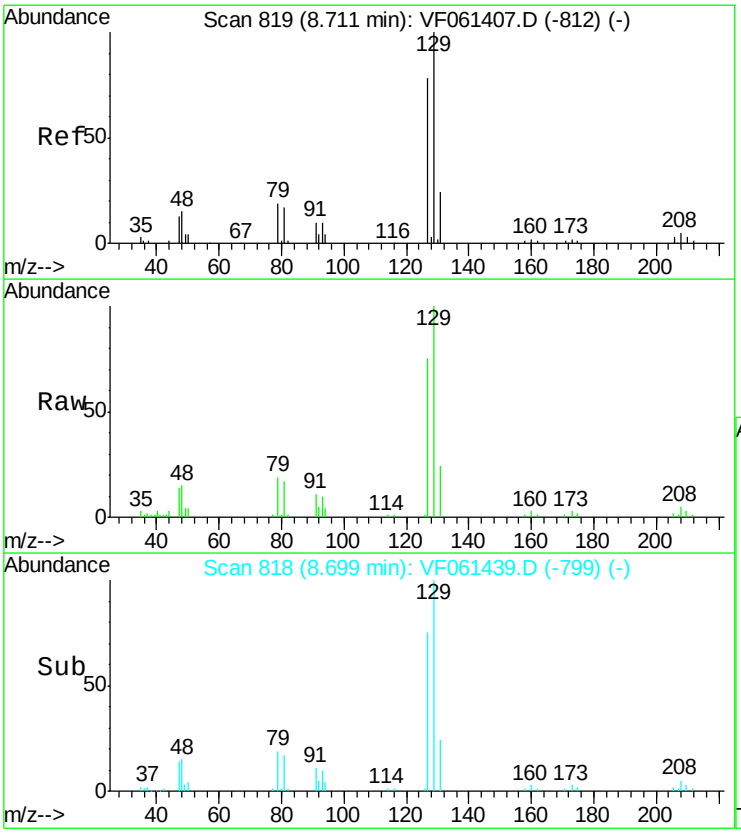

#59
2-Hexanone
Concen: 121.665 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 43 Resp: 125044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.6 | 25.9 | 77.6 |

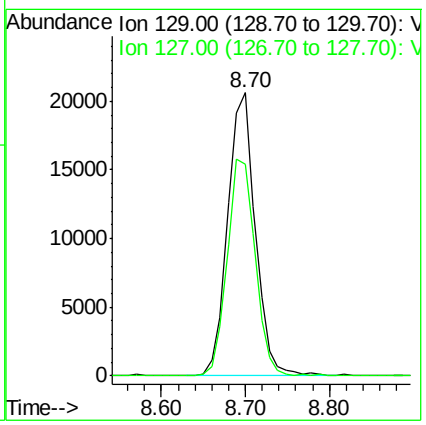


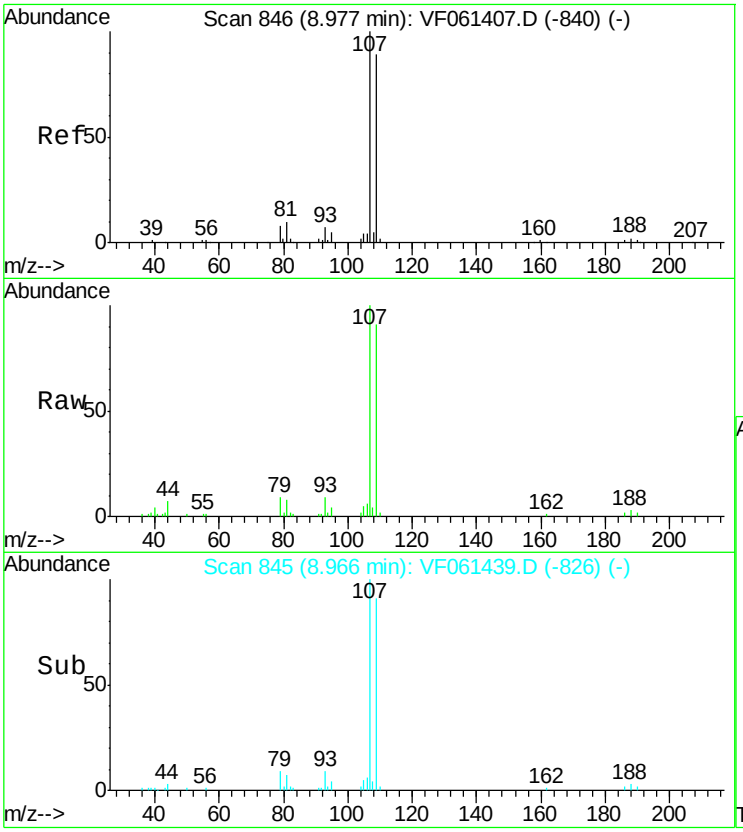




#60
Dibromochloromethane
Concen: 19.386 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:129 Resp: 47128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 74.6 | 39.1 | 117.2 |



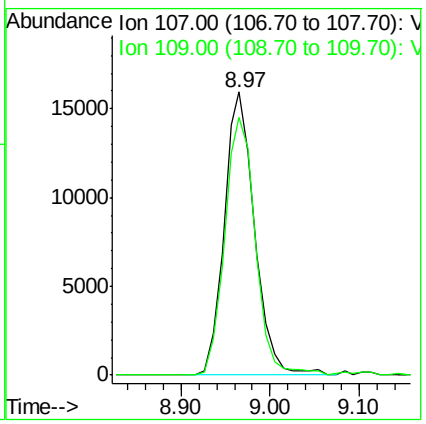


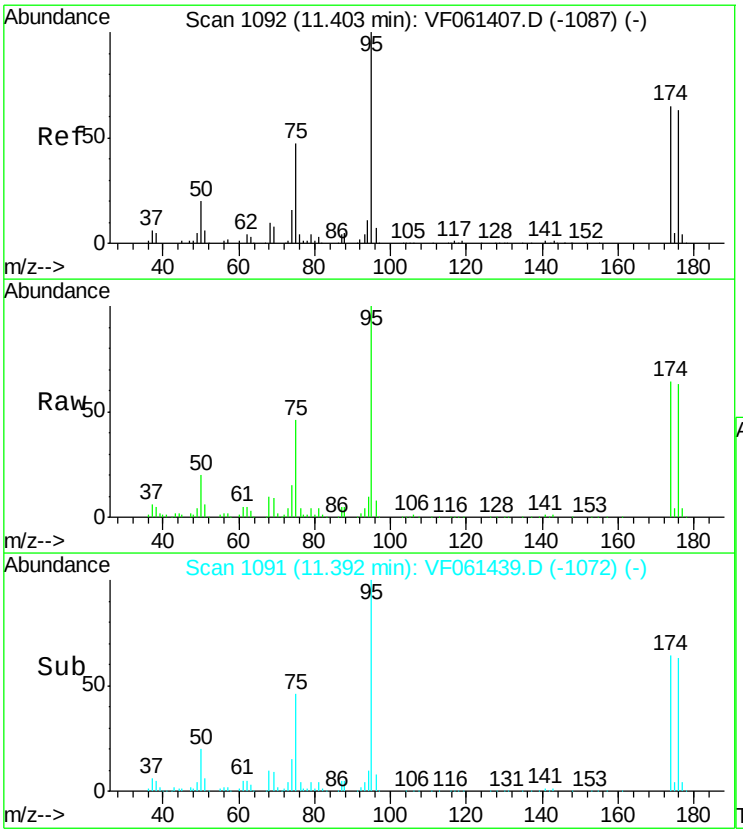

#61
1,2-Dibromoethane
Concen: 19.962 ug/l
RT: 8.97 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:107 Resp: 38001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.1 | 70.8 | 106.2 |

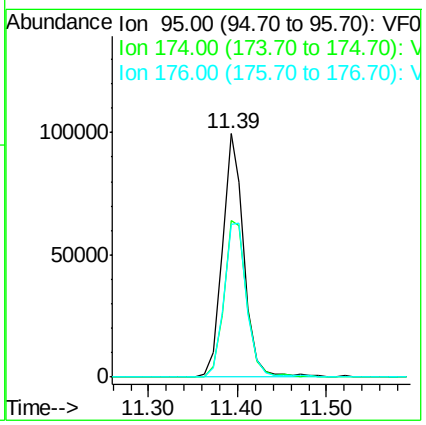


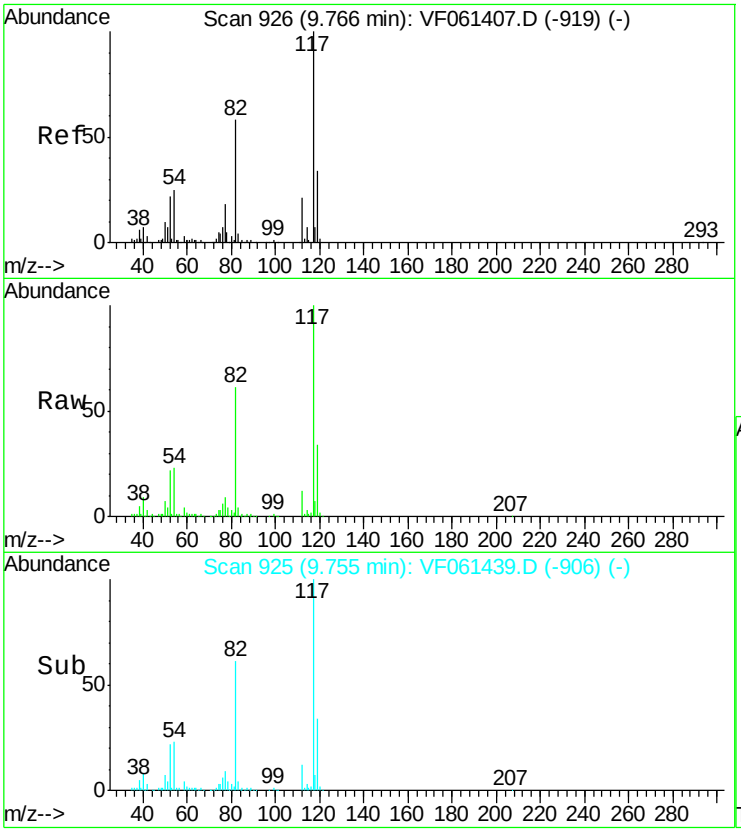




#62
4-Bromofluorobenzene
Concen: 48.775 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 95 Resp: 169812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.1 | 0.0 | 130.4 |
| 176 | 62.7 | 0.0 | 126.2 |



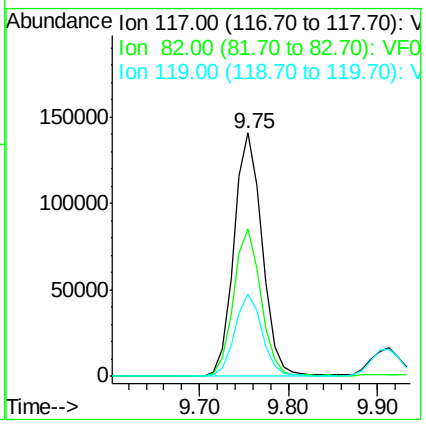


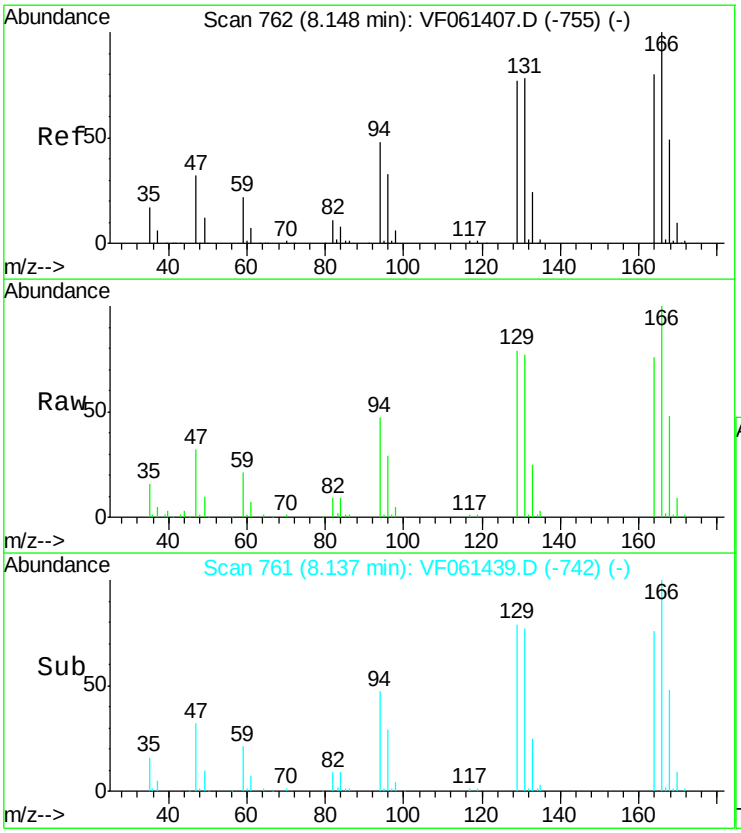

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:117 Resp: 312504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 46.4 | 69.6 |
| 119 | 33.8 | 27.2 | 40.8 |

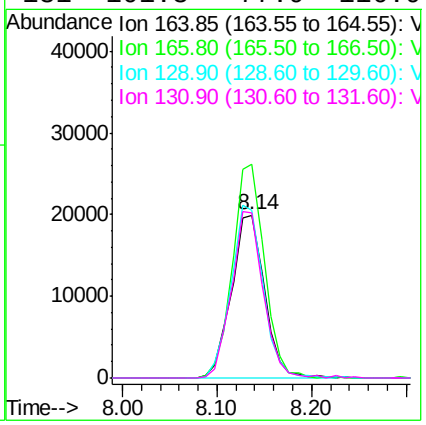


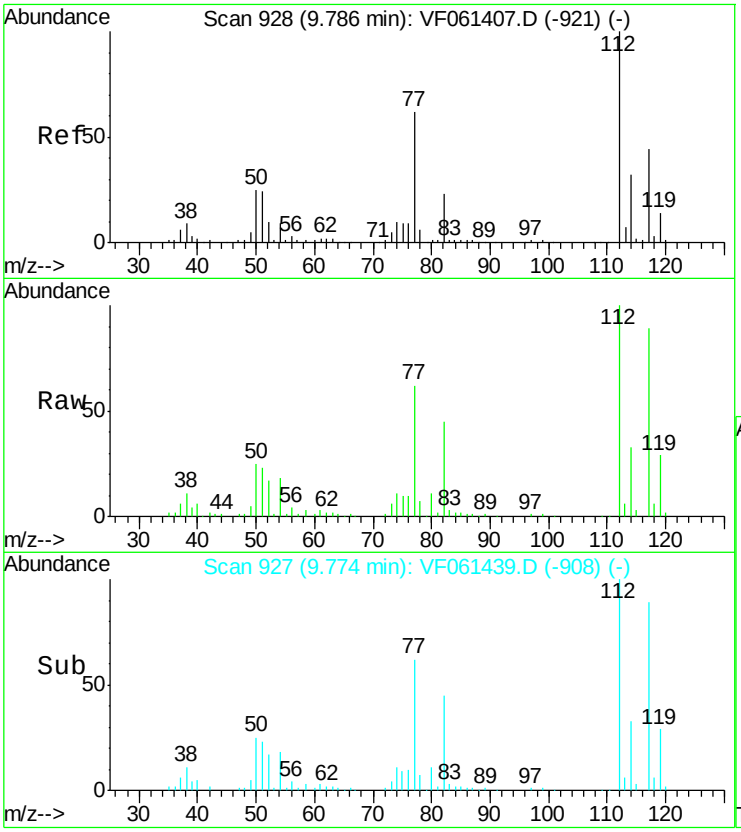




#64
Tetrachloroethene
Concen: 20.579 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:164 Resp: 48363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.3 | 99.6 | 149.4 |
| 129 | 103.3 | 76.4 | 114.6 |
| 131 | 101.3 | 77.9 | 116.9 |



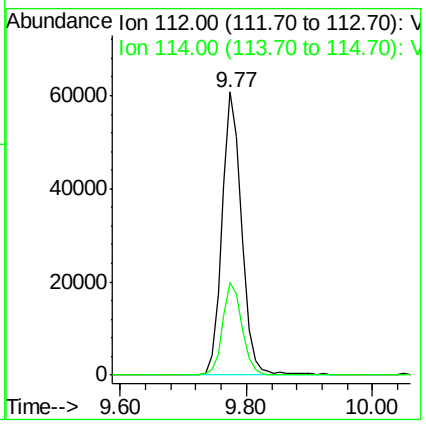


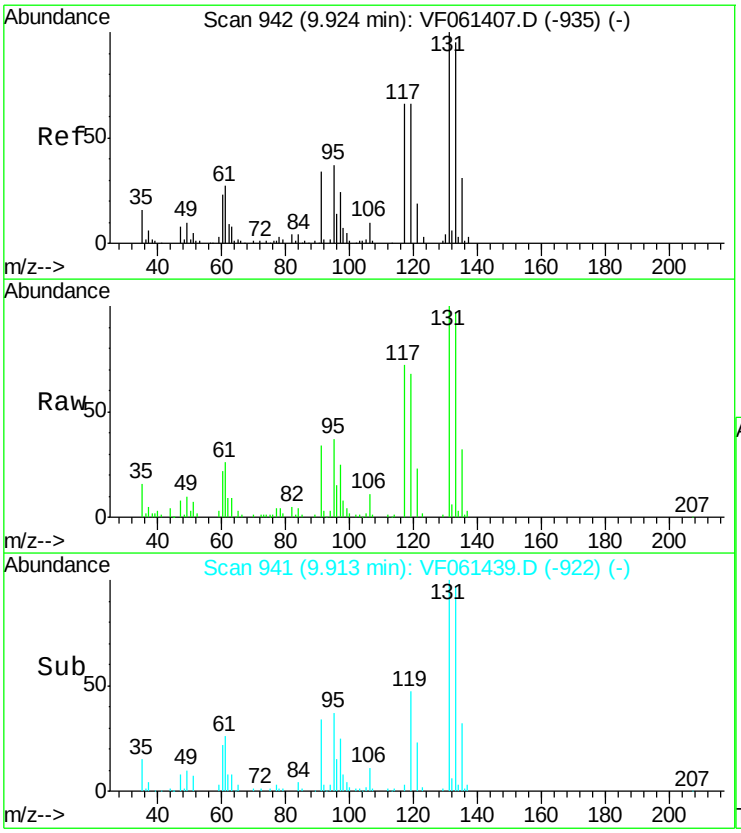

#65
Chlorobenzene
Concen: 20.690 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:112 Resp: 131482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 25.4 | 38.0 |

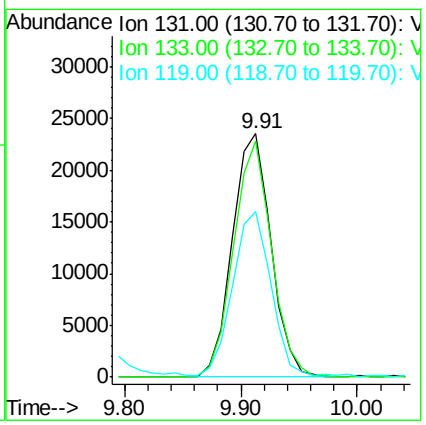


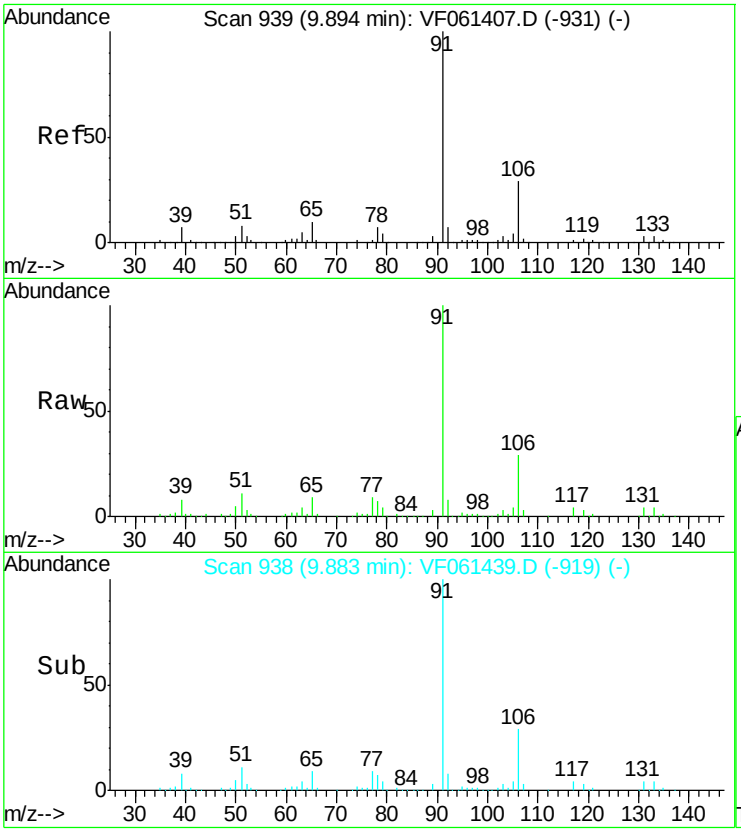




#66
1,1,1,2-Tetrachloroethane
Concen: 21.352 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:131 Resp: 54054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.1 | 47.4 | 142.2 |
| 119 | 68.0 | 33.1 | 99.3 |



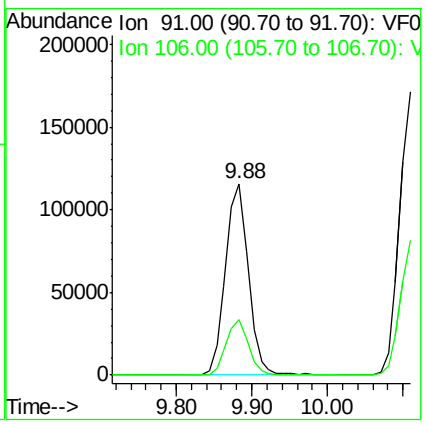


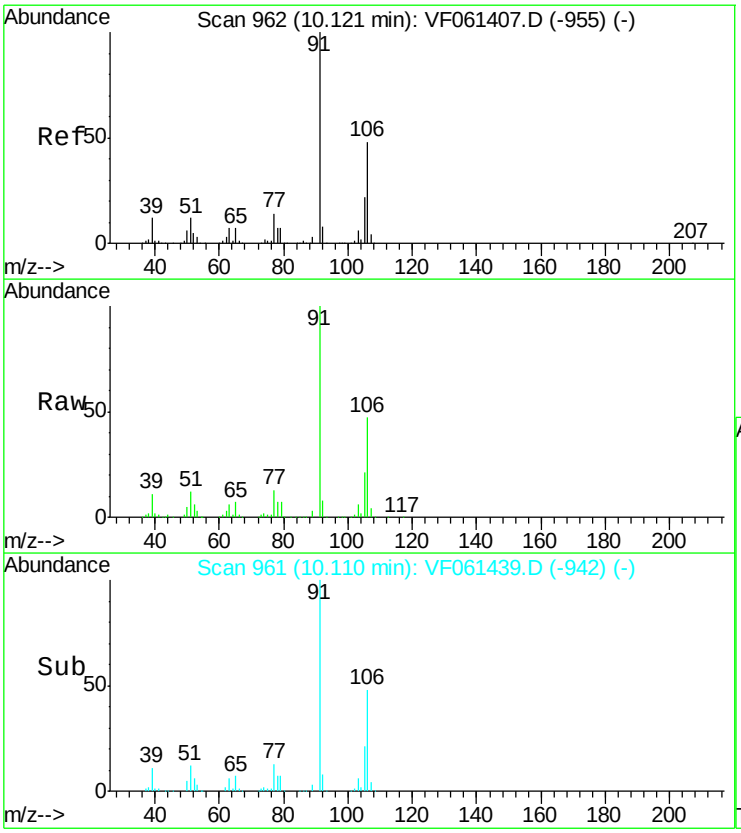

#67
Ethyl Benzene
Concen: 21.007 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 91 Resp: 243903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.2 | 23.1 | 34.7 |

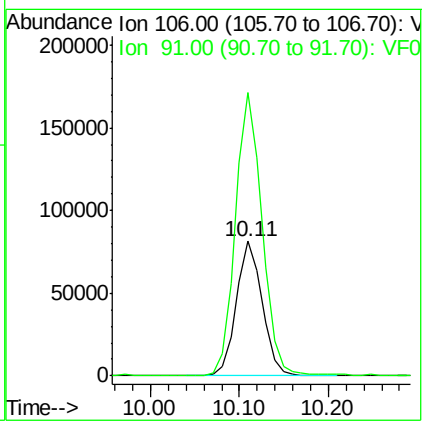


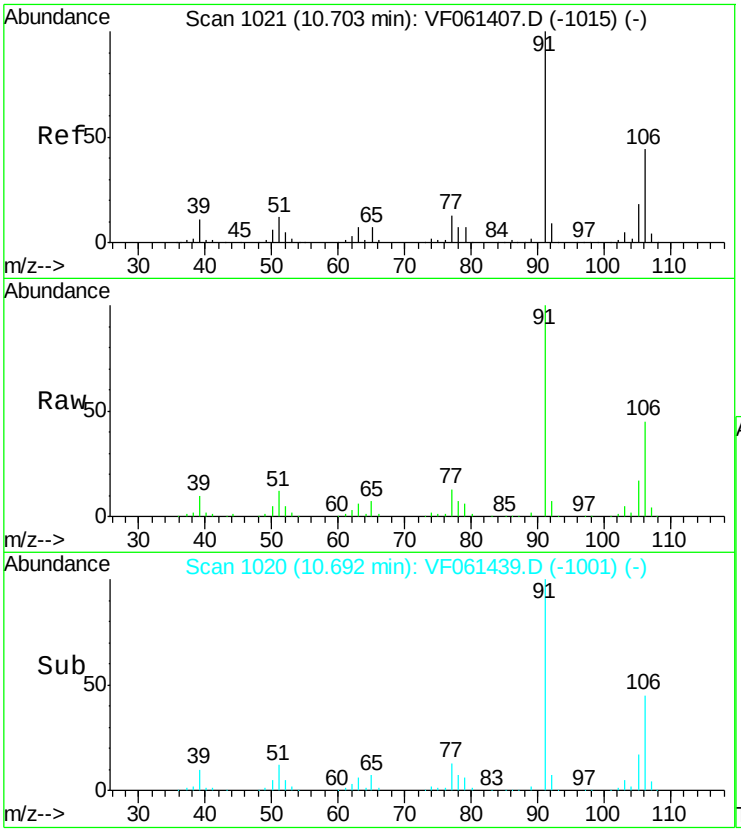




#68
m/p-Xylenes
Concen: 39.660 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:106 Resp: 165623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.6 | 166.2 | 249.4 |



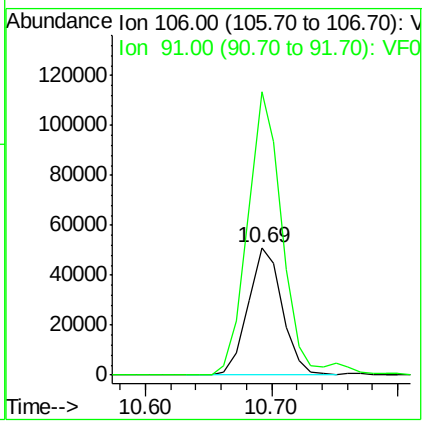


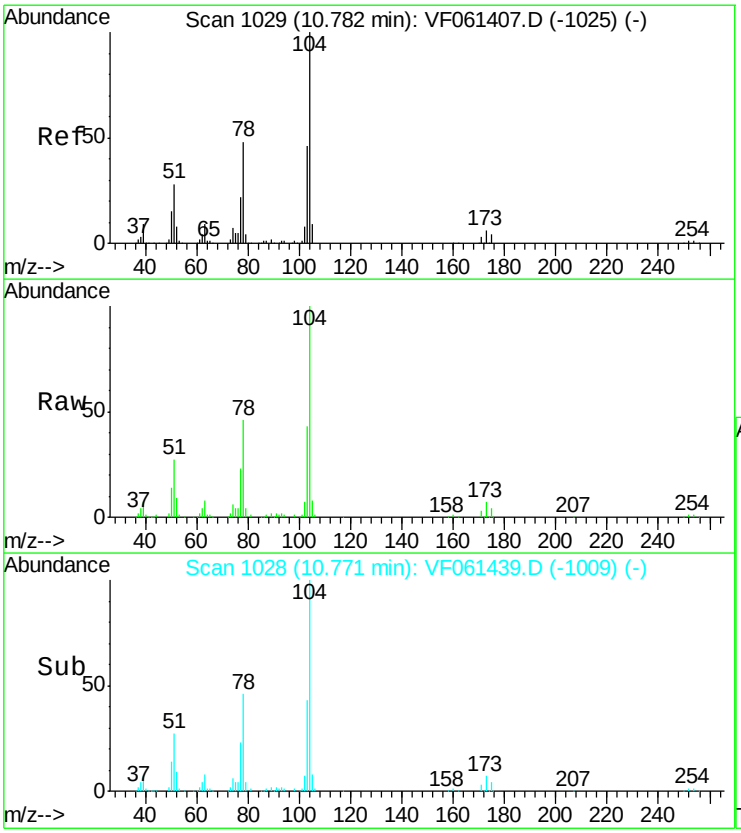

#69
o-Xylene
Concen: 21.333 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:106 Resp: 96556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.0 | 113.3 | 339.8 |

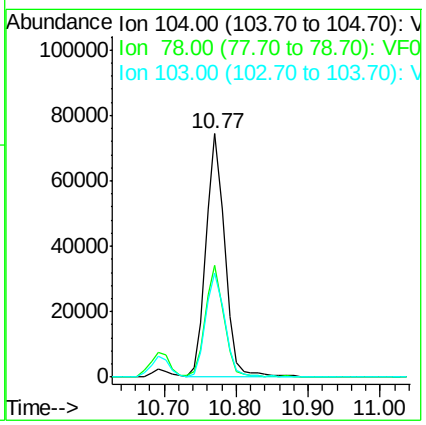


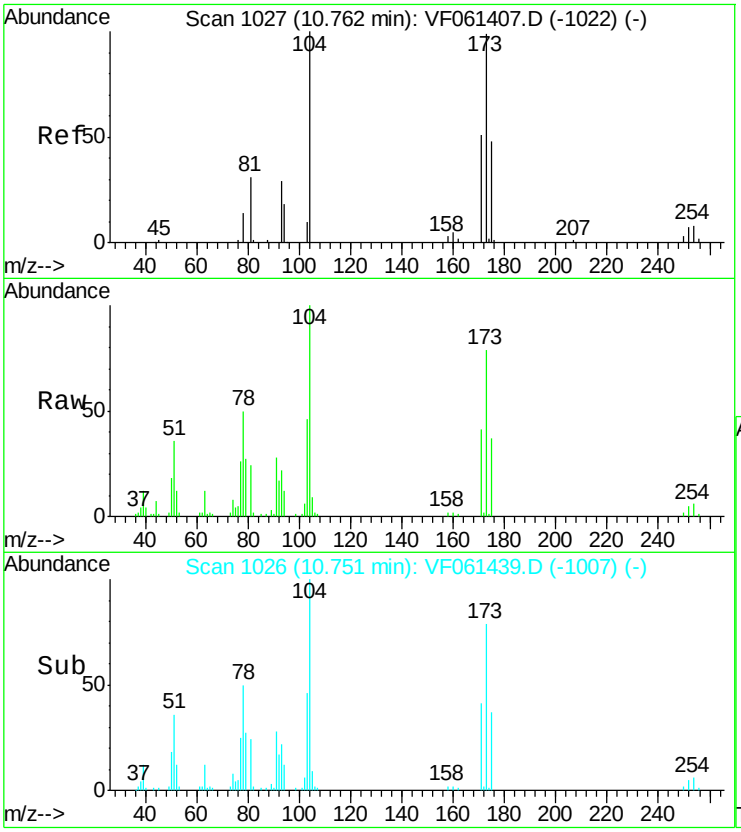




#70
Styrene
Concen: 21.550 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:104 Resp: 133515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.2 | 38.8 | 58.2 |
| 103 | 42.7 | 37.0 | 55.6 |



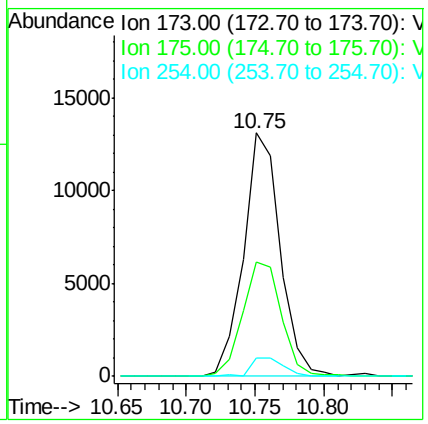


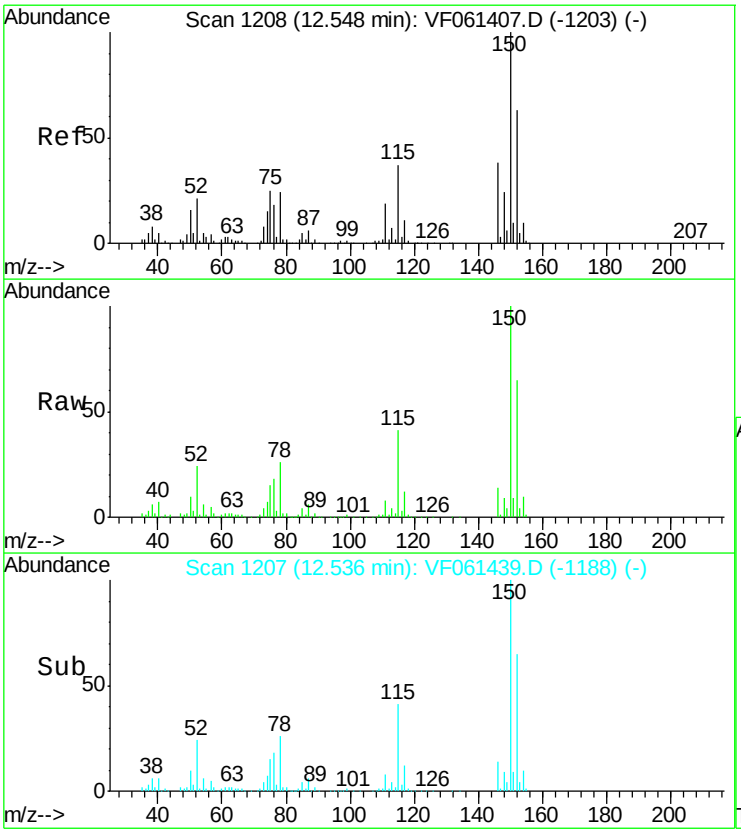

#71
Bromoform
Concen: 21.424 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:173 Resp: 24369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 24.1 | 72.4 |
| 254 | 7.4 | 0.0 | 0.0# |

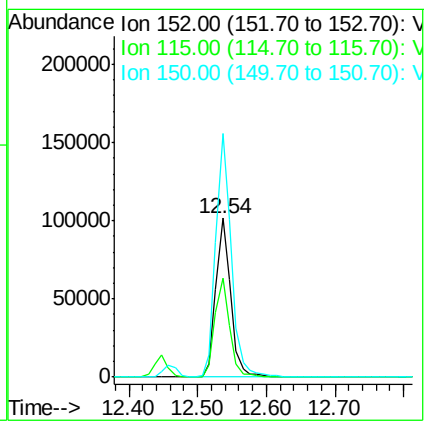


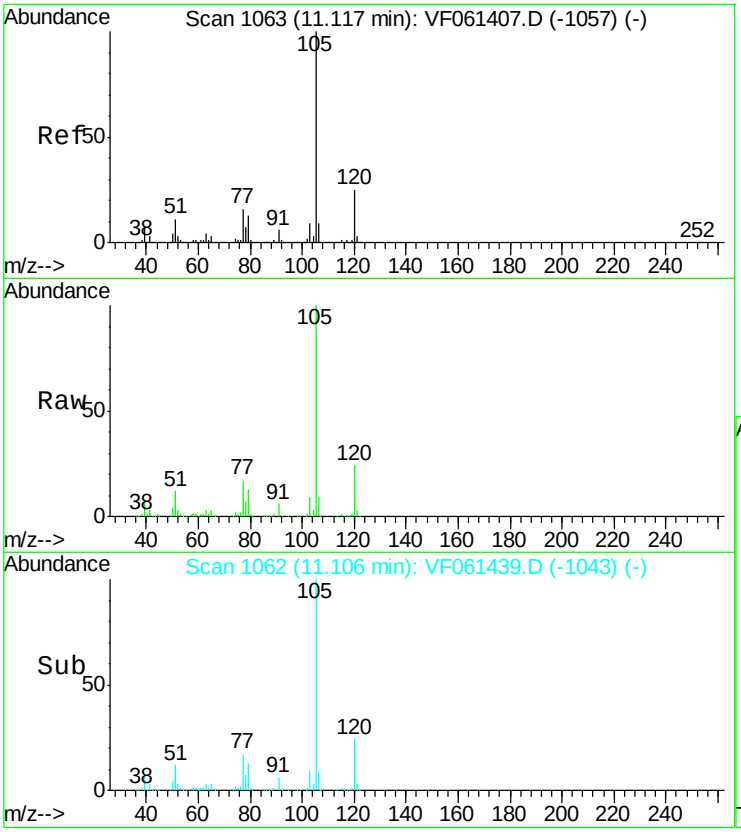




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:152 Resp: 152712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.4 | 30.0 | 90.0 |
| 150 | 153.4 | 0.0 | 321.4 |



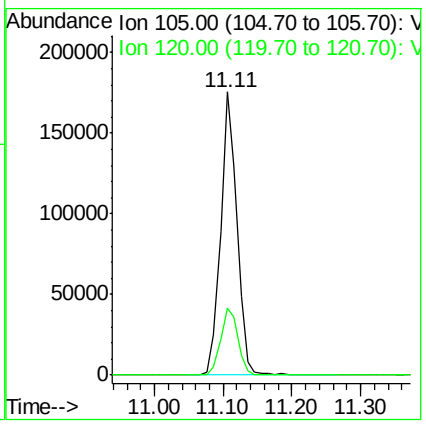


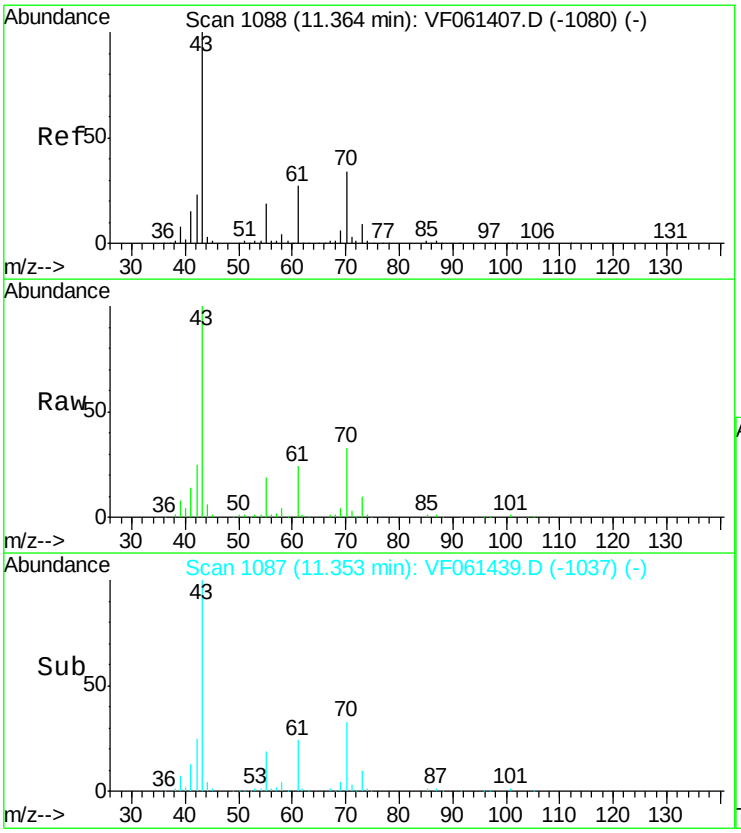

#73
Isopropylbenzene
Concen: 23.209 ug/l
RT: 11.11 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:105 Resp: 288263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.6 | 12.6 | 37.8 |

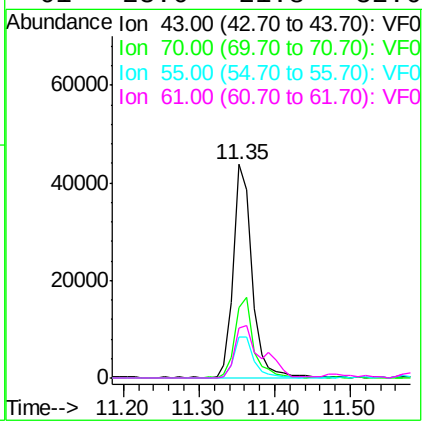


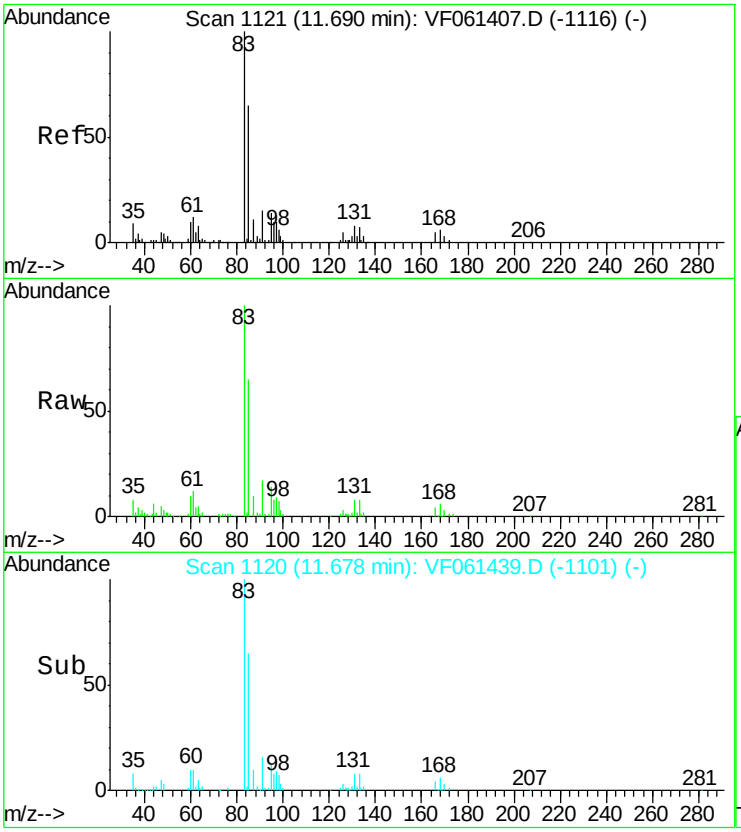




#74
N-amyl acetate
Concen: 25.634 ug/l
RT: 11.35 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 43 Resp: 75286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 32.7 | 27.6 | 41.4 |
| 55 | 19.4 | 15.4 | 23.2 |
| 61 | 23.6 | 21.8 | 32.6 |



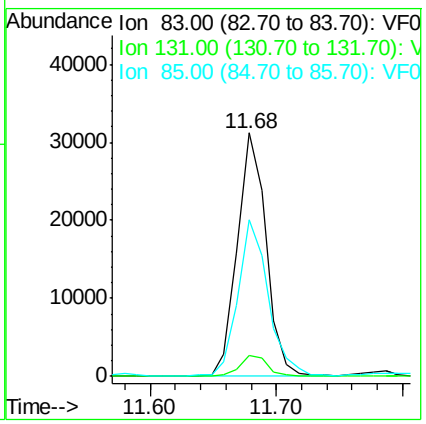


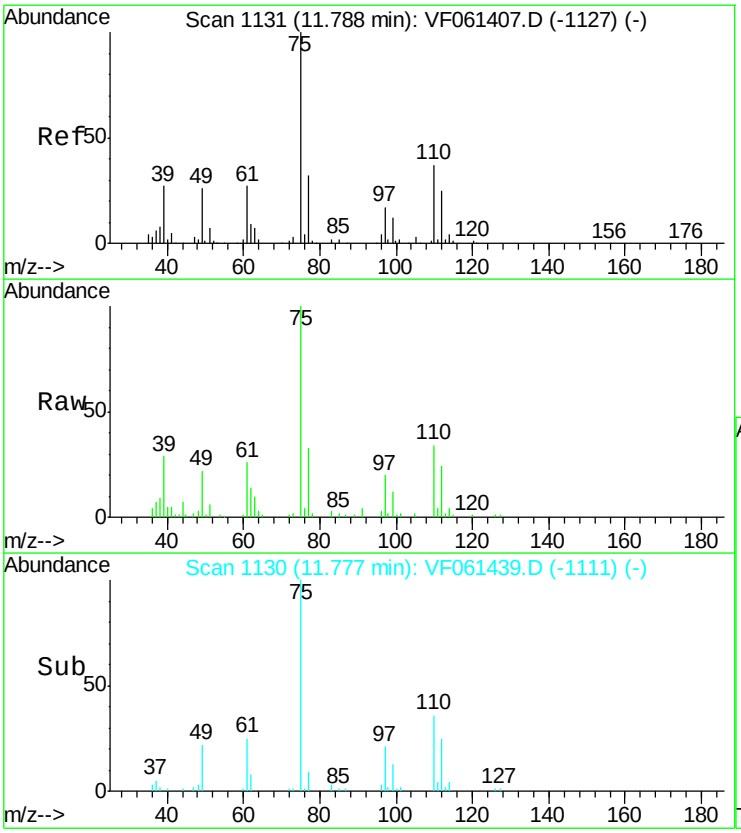

#75
1,1,2,2-Tetrachloroethane
Concen: 22.324 ug/l
RT: 11.68 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 83 Resp: 49395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.5 | 4.0 | 12.2 |
| 85 | 64.5 | 32.7 | 98.1 |

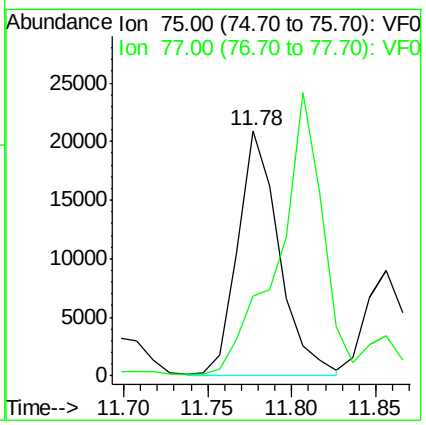


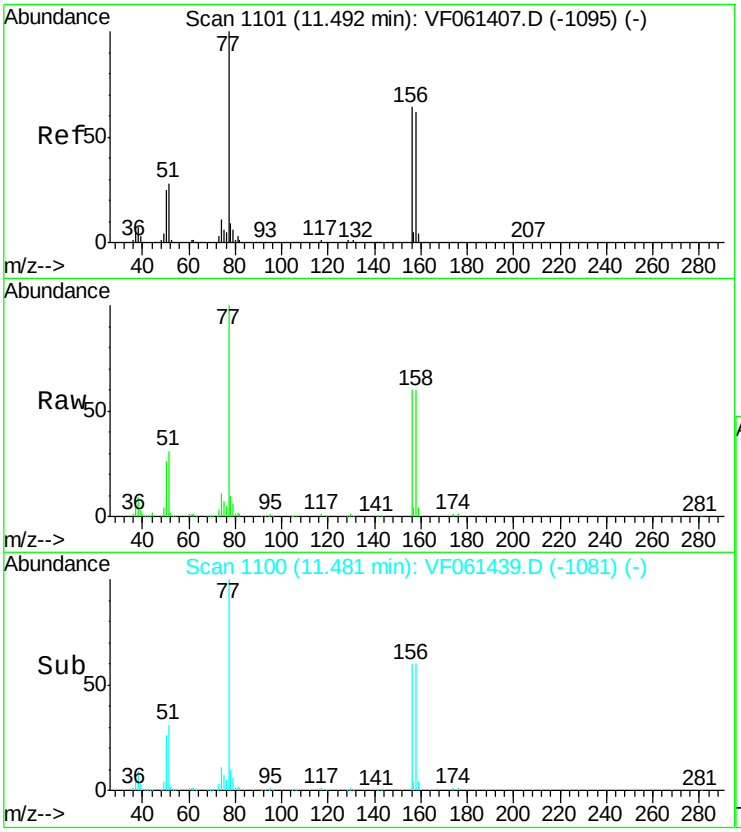




#76
1,2,3-Trichloropropane
Concen: 22.413 ug/l
RT: 11.78 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 75 Resp: 35635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 16.1 | 48.3 |



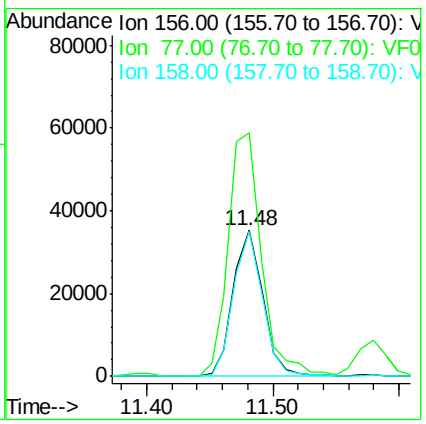


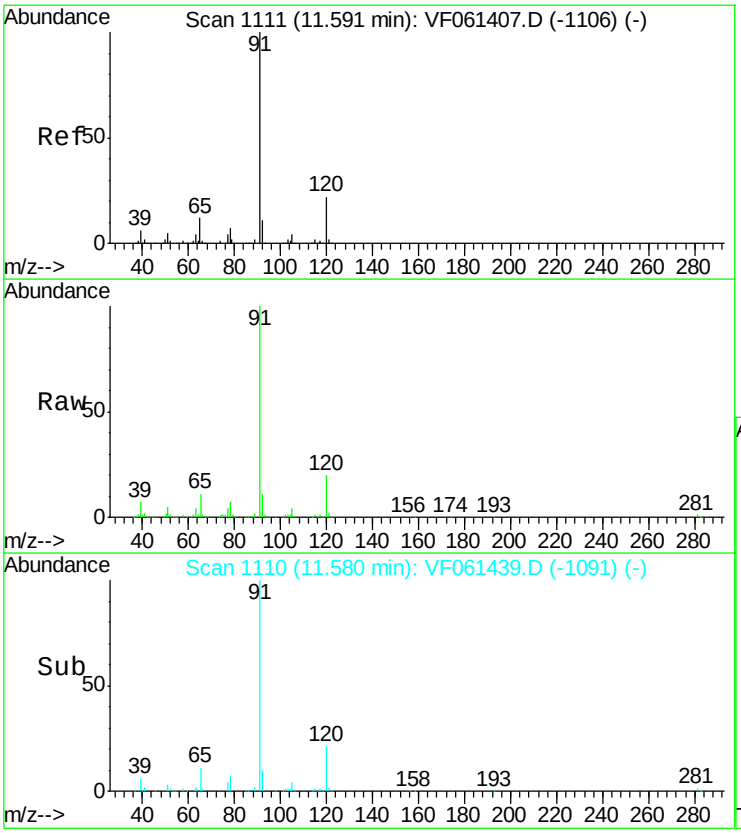

#77
Bromobenzene
Concen: 22.134 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:156 Resp: 58059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.5 | 78.3 | 234.9 |
| 158 | 99.3 | 48.9 | 146.7 |

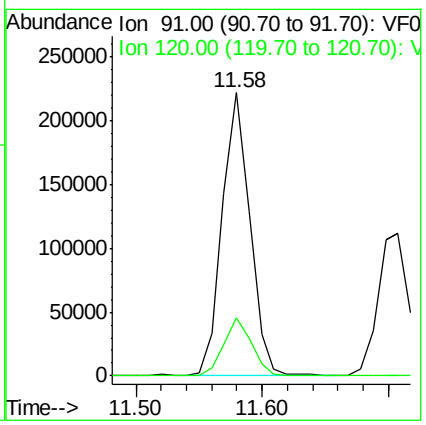


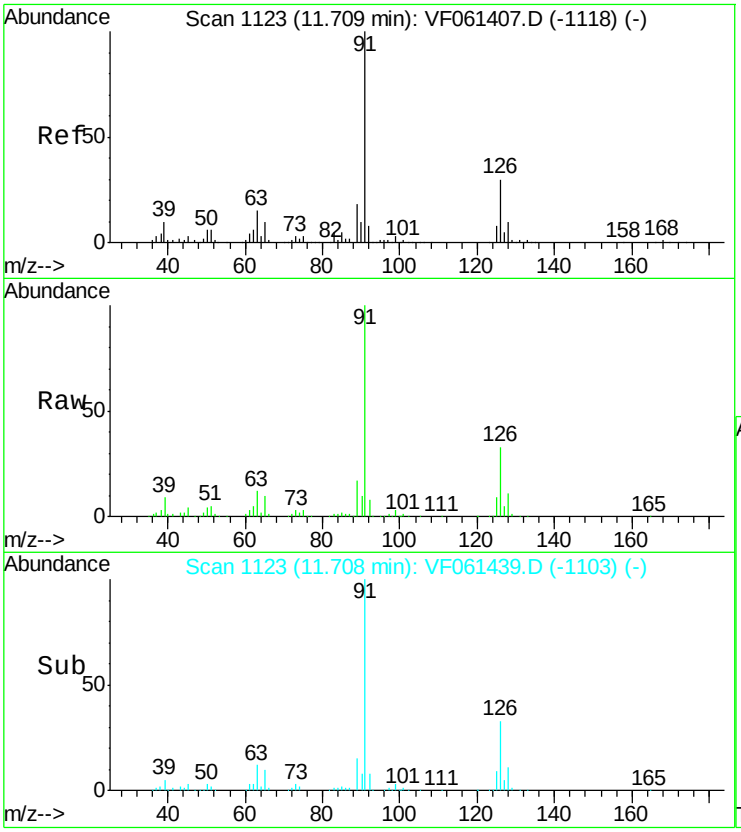




#78
n-propylbenzene
Concen: 20.930 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 91 Resp: 338160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.5 | 10.9 | 32.6 |



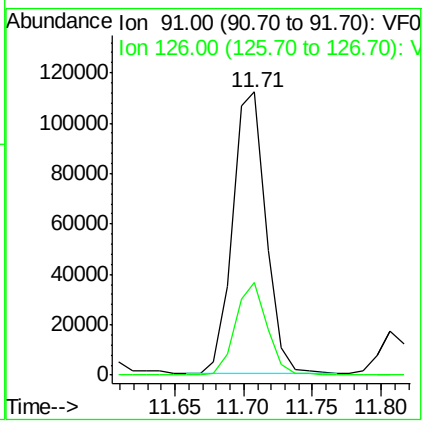


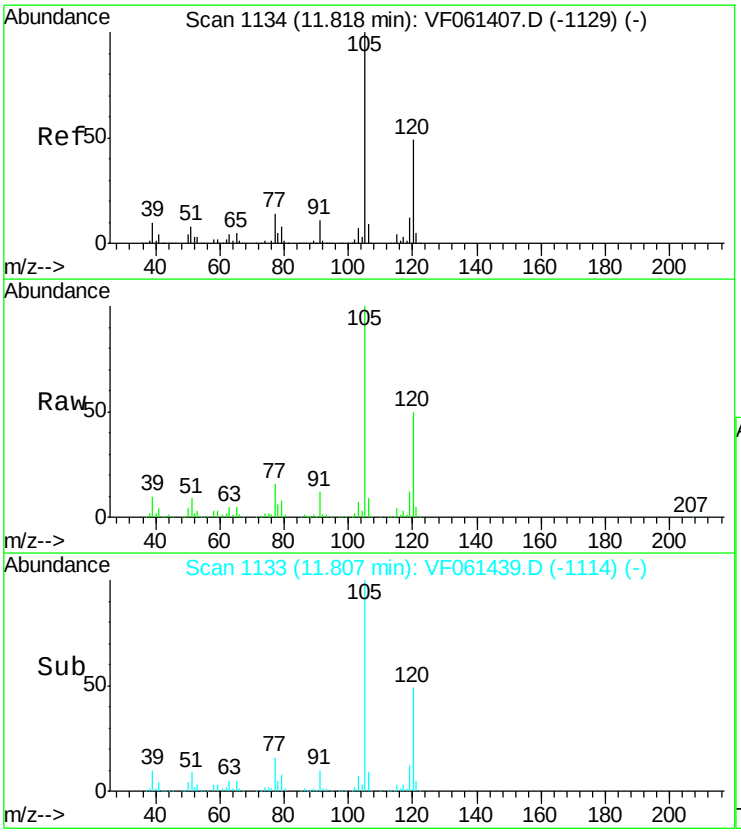

#79
2-Chlorotoluene
Concen: 21.903 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 91 Resp: 188754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 15.0 | 45.1 |

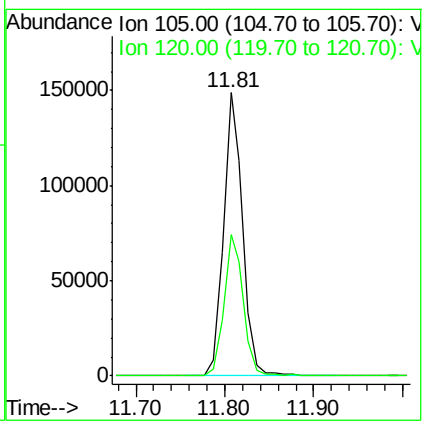


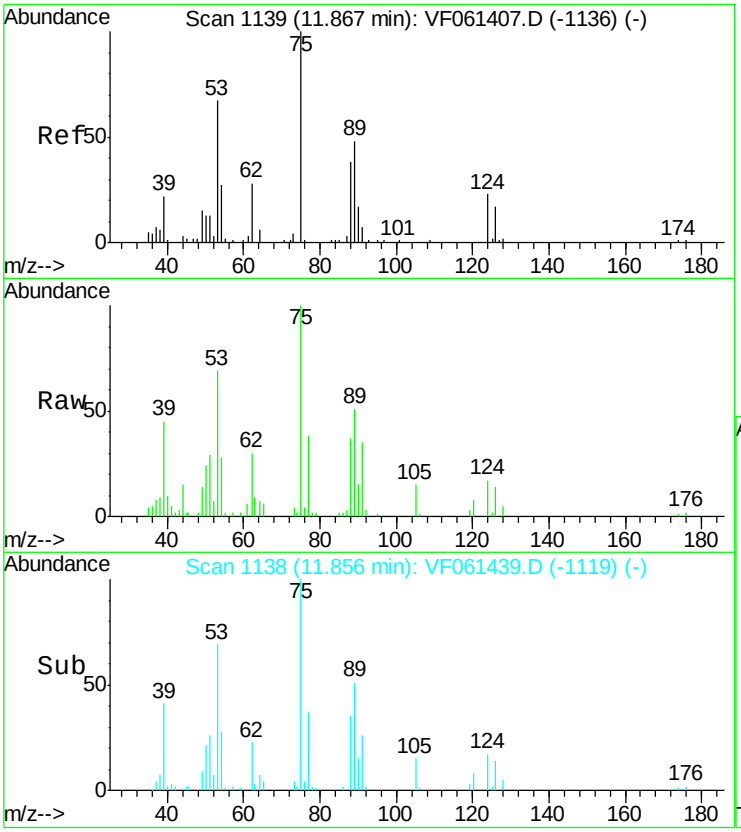




#80
1,3,5-Trimethylbenzene
Concen: 22.499 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:105 Resp: 225513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.8 | 24.7 | 74.1 |



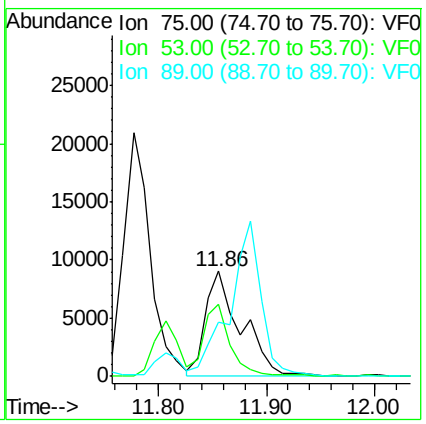


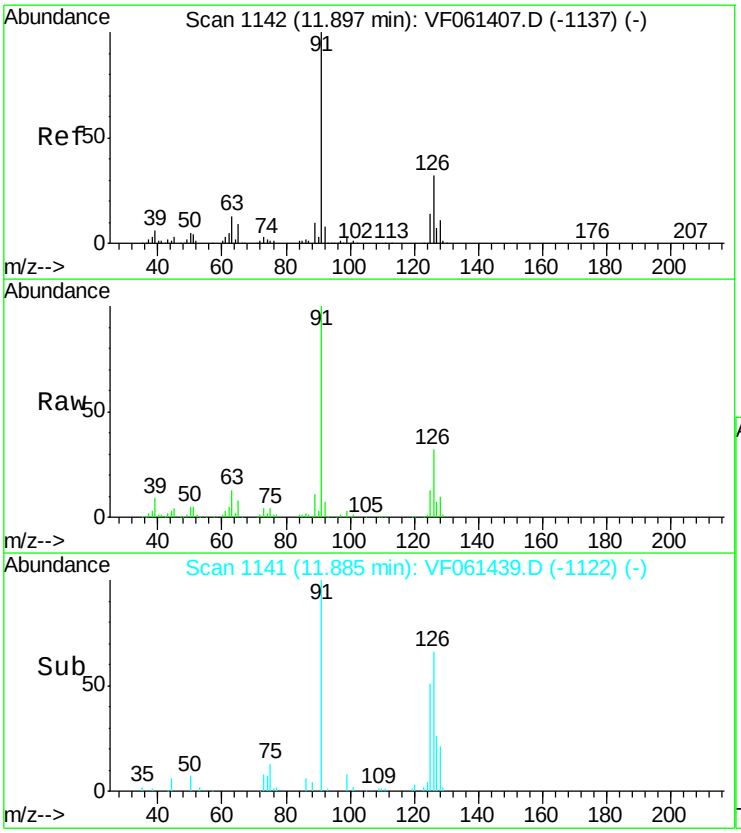

#81
trans-1,4-Dichloro-2-butene
Concen: 29.843 ug/l
RT: 11.86 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion: 75 Resp: 20626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 68.7 | 57.8 | 86.6 |
| 89 | 51.4 | 40.7 | 61.1 |

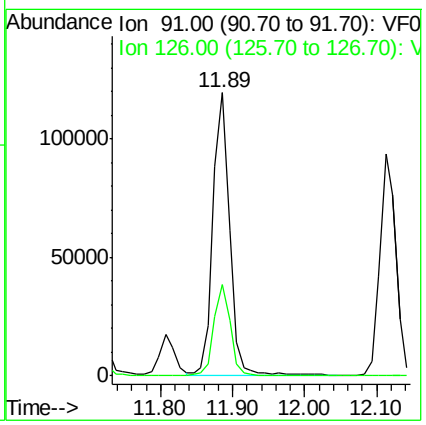


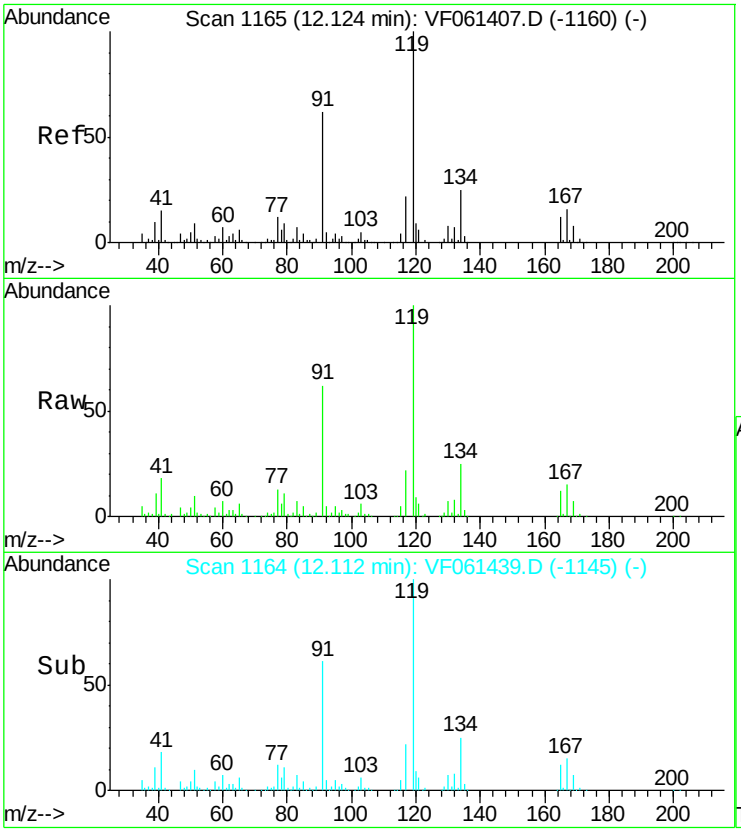




#82
4-Chlorotoluene
Concen: 21.694 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 91 Resp: 188650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.4 | 16.0 | 47.9 |



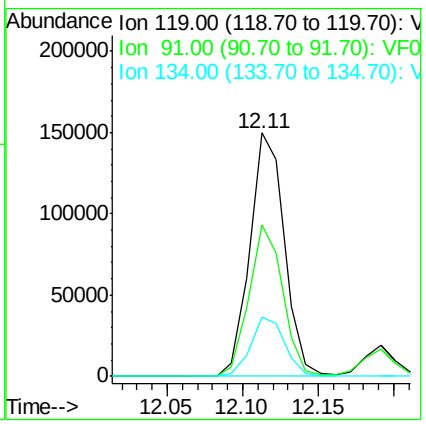


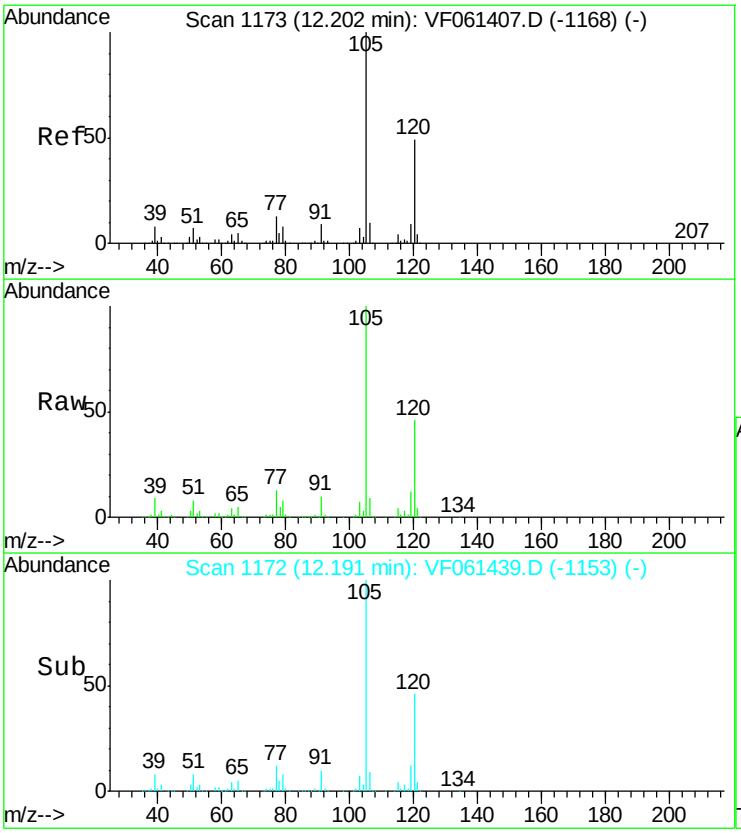

#83
tert-Butylbenzene
Concen: 23.087 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:119 Resp: 239514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.4 | 31.3 | 93.8 |
| 134 | 24.6 | 12.4 | 37.0 |

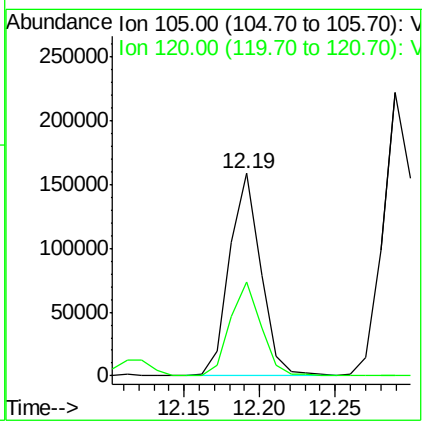


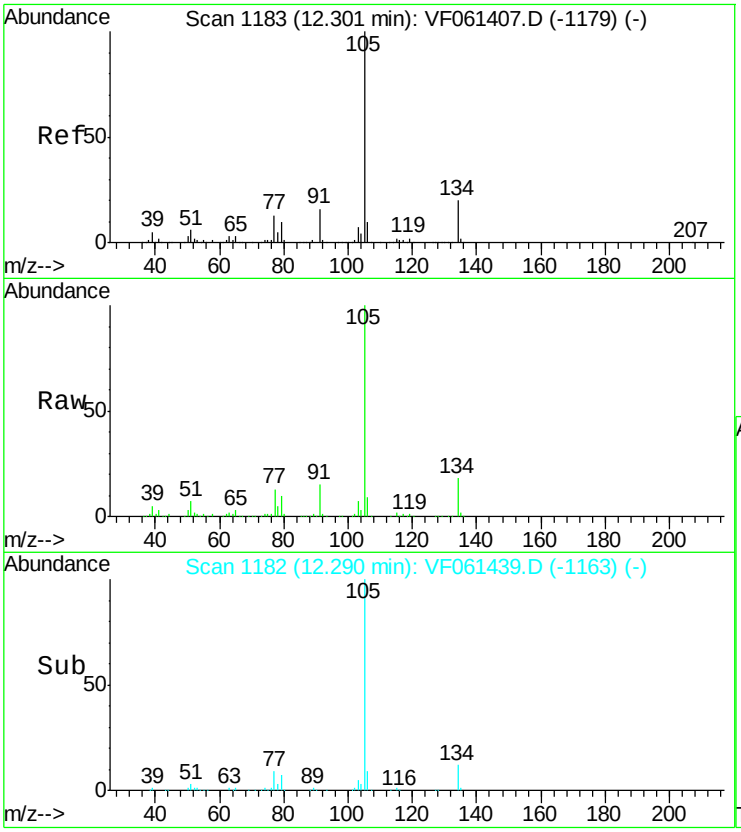




#84
1,2,4-Trimethylbenzene
Concen: 22.021 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:105 Resp: 227358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 24.9 | 74.6 |



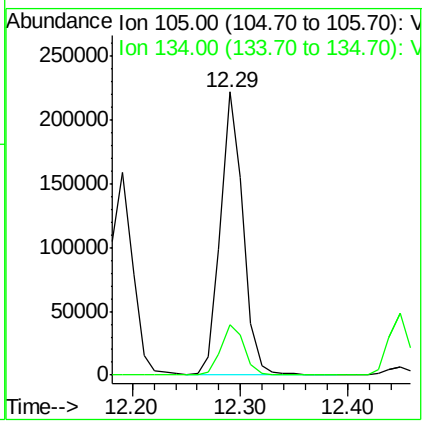


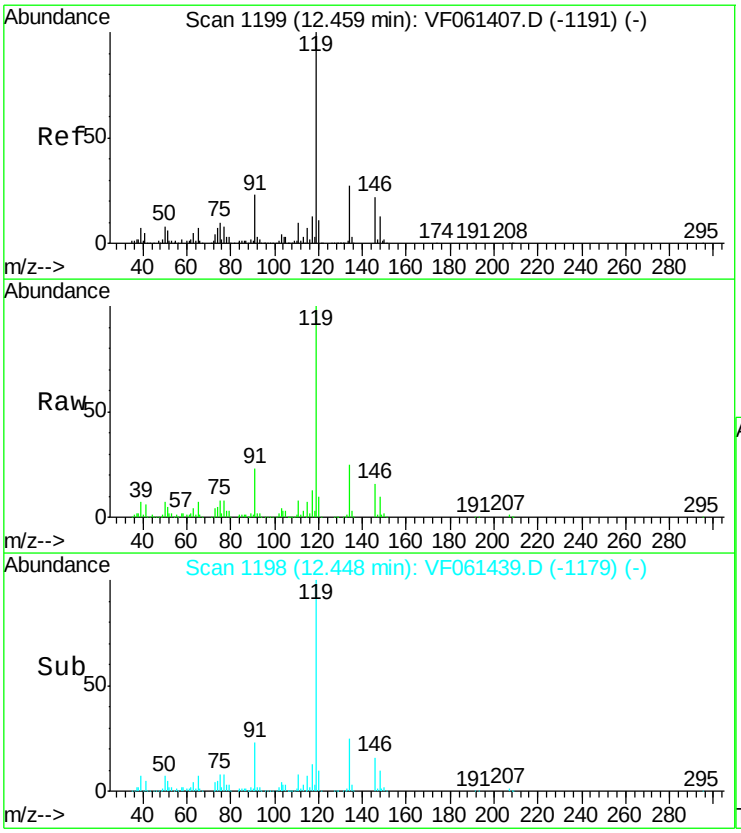

#85
sec-Butylbenzene
Concen: 22.708 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:105 Resp: 319925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.7 | 10.0 | 30.0 |

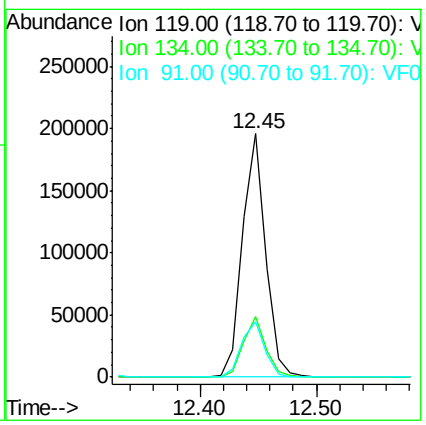


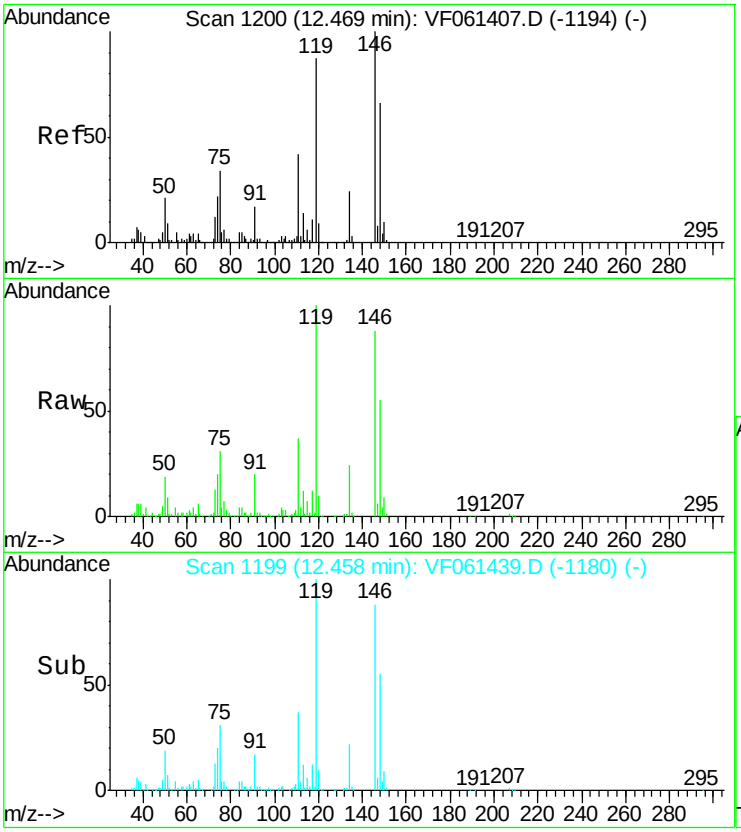




#86
p-Isopropyltoluene
Concen: 23.356 ug/l
RT: 12.45 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:119 Resp: 270122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.8 | 13.4 | 40.2 |
| 91 | 22.8 | 11.4 | 34.2 |



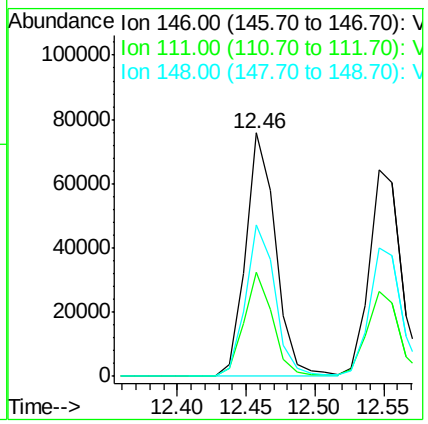


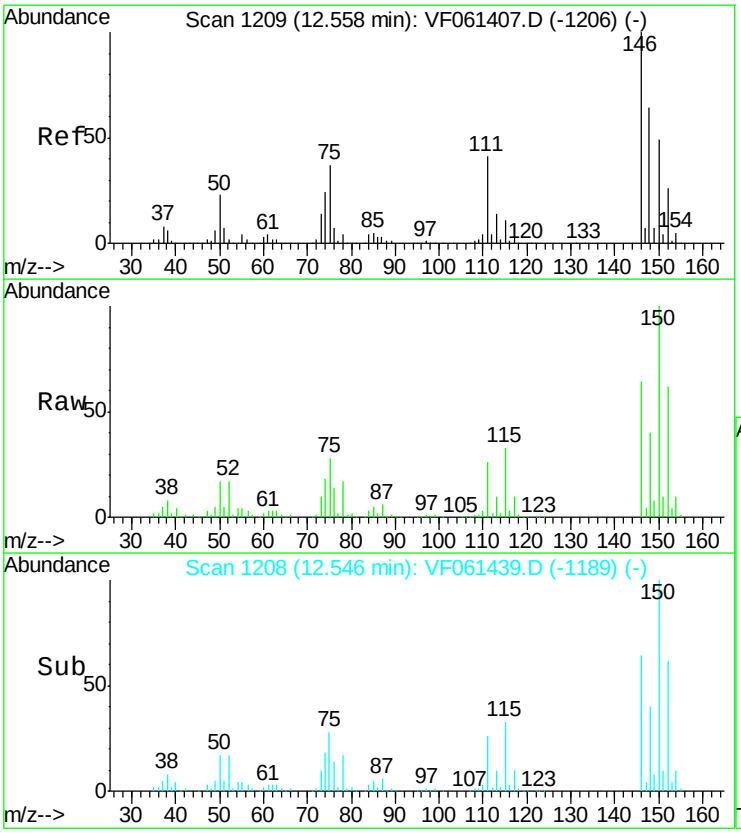

#87
1,3-Dichlorobenzene
Concen: 21.014 ug/l
RT: 12.46 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:146 Resp: 115677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.1 | 63.4 |
| 148 | 62.3 | 32.9 | 98.6 |

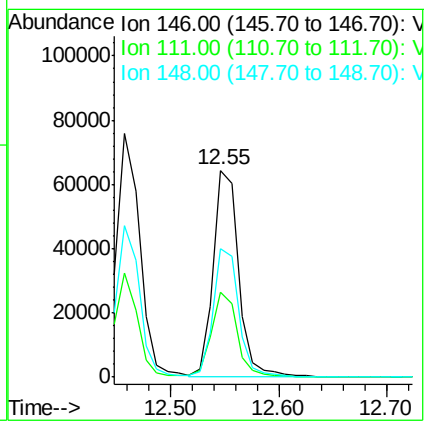


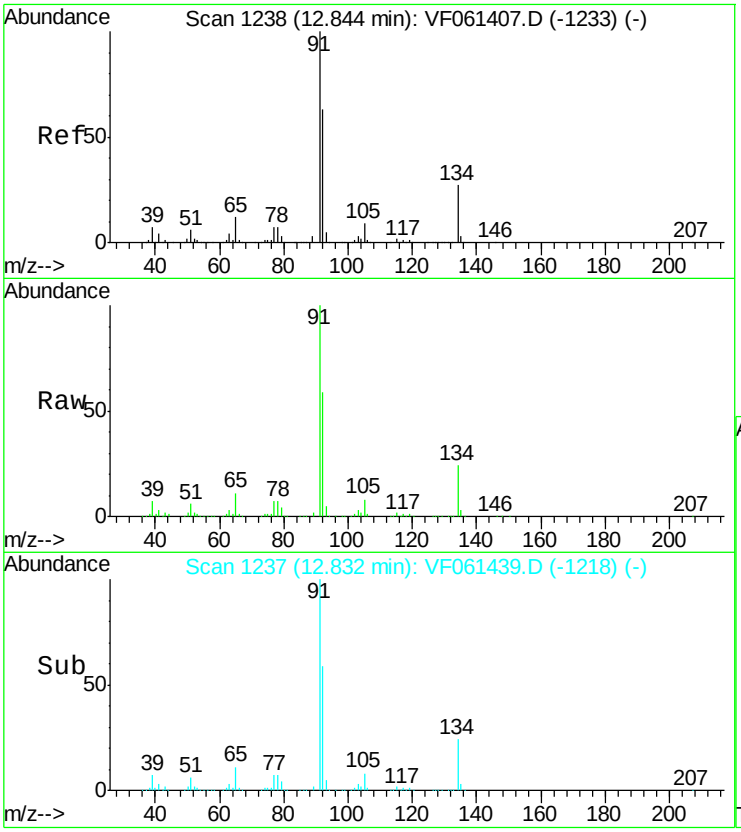




#88
1,4-Dichlorobenzene
Concen: 21.251 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:146 Resp: 105335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.8 | 62.2 |
| 148 | 62.4 | 32.1 | 96.5 |



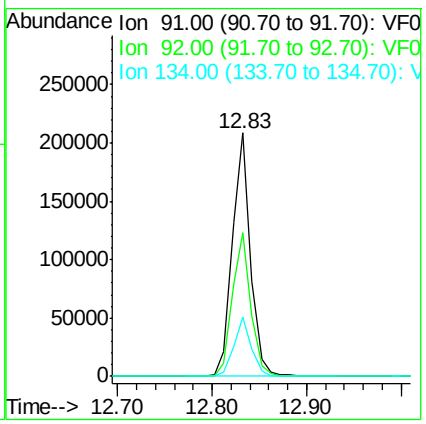


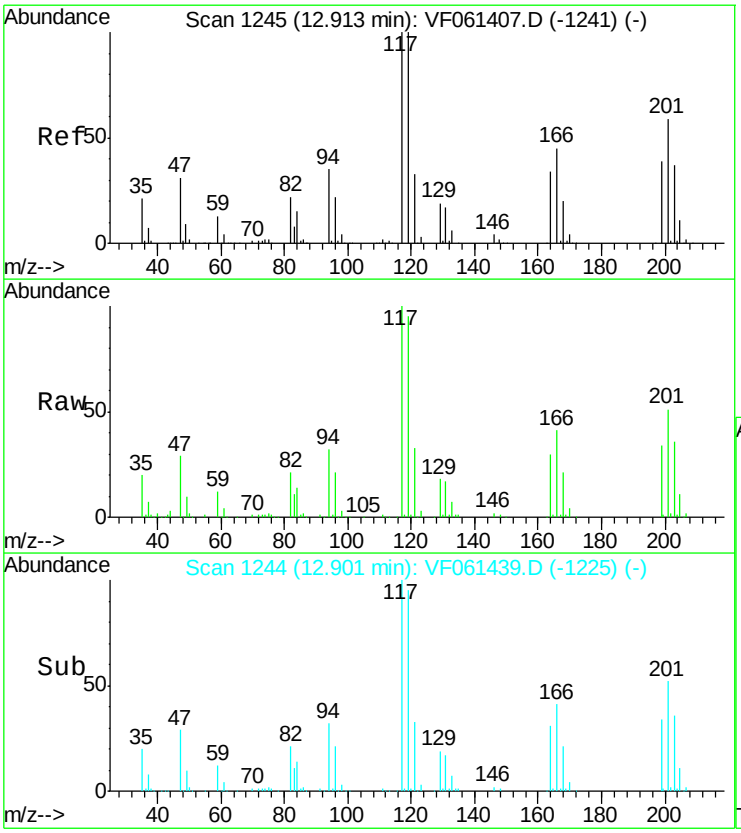

#89
n-Butylbenzene
Concen: 23.100 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion: 91 Resp: 275529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.0 | 31.6 | 94.7 |
| 134 | 24.1 | 13.6 | 40.8 |

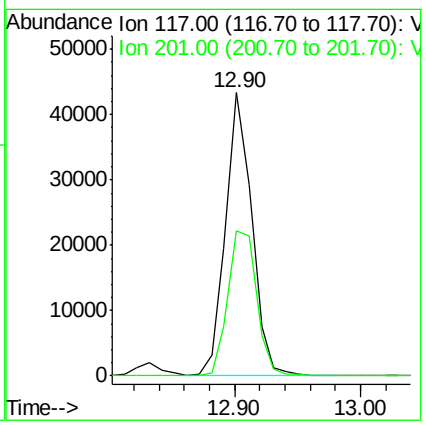


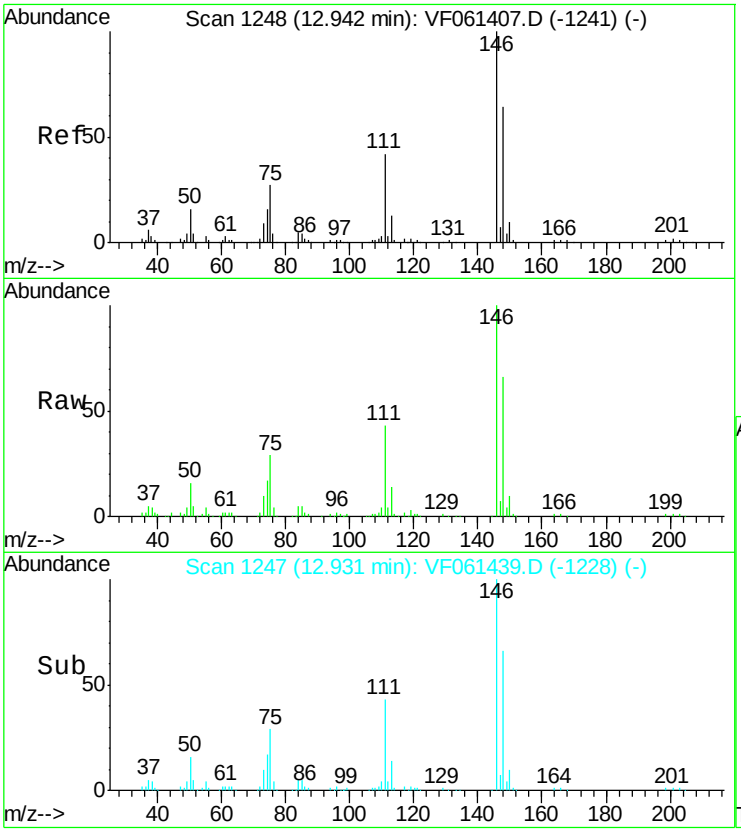




#90
Hexachloroethane
Concen: 22.909 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:117 Resp: 62456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 51.3 | 29.3 | 87.8 |



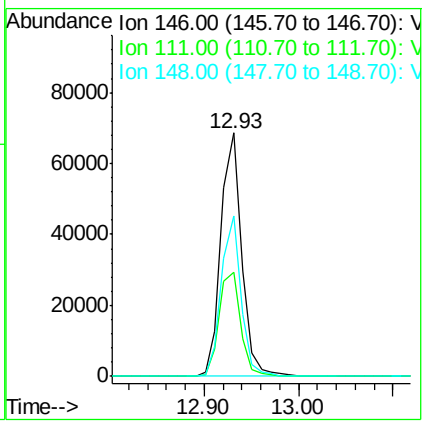


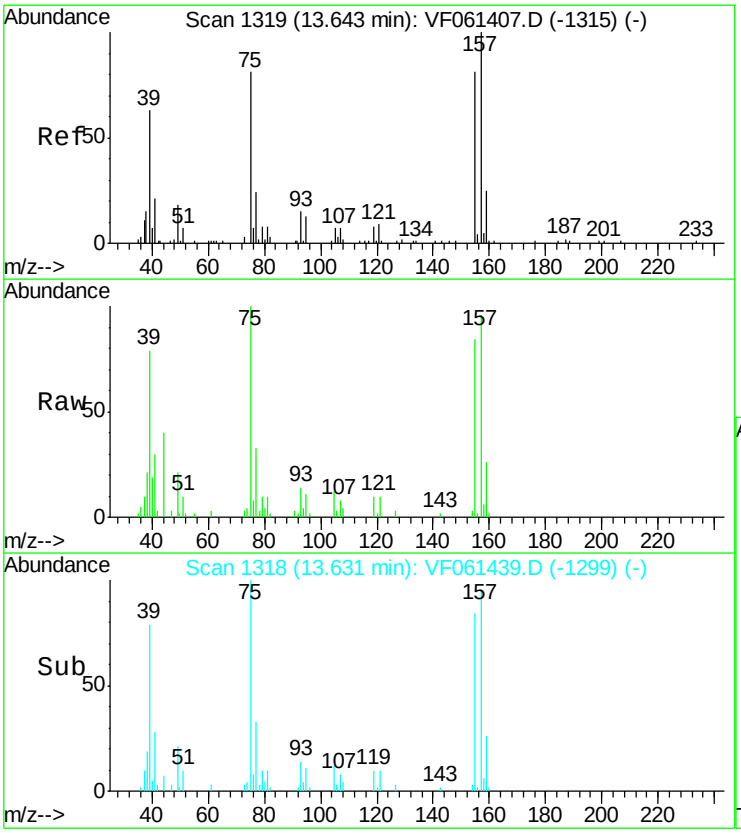

#91
1,2-Dichlorobenzene
Concen: 21.383 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:146 Resp: 104926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.1 | 63.3 |
| 148 | 65.9 | 31.9 | 95.7 |

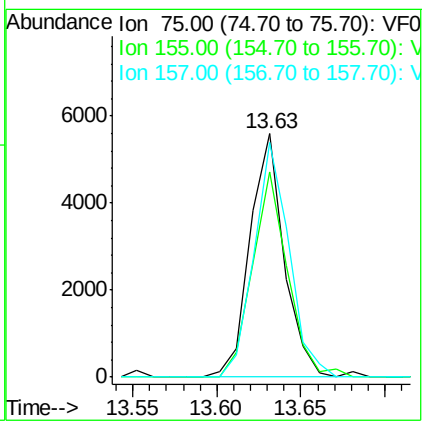


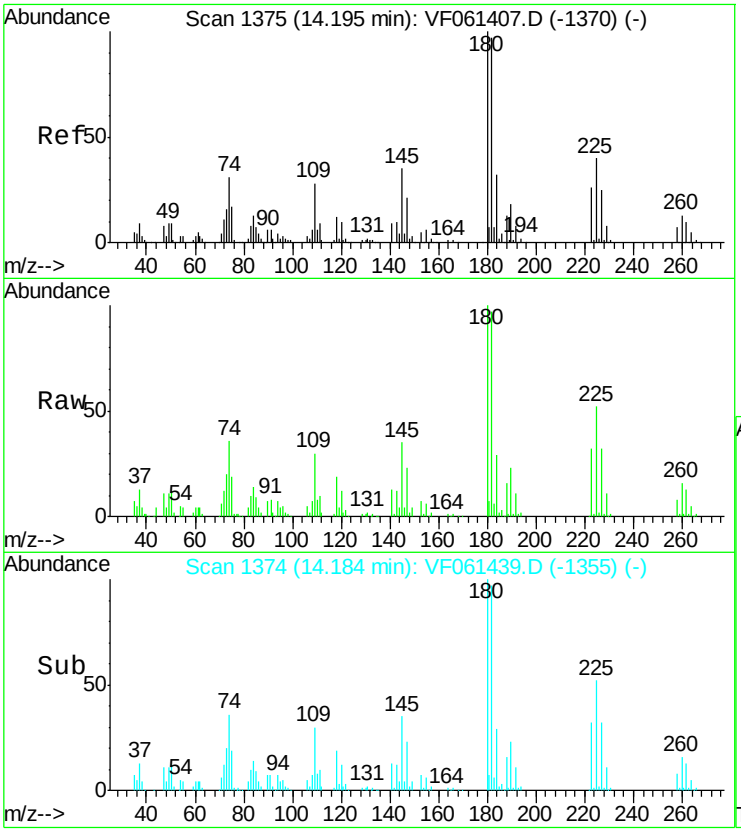




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.025 ug/l
RT: 13.63 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion: 75 Resp: 7859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.1 | 49.7 | 149.1 |
| 157 | 96.4 | 61.4 | 184.1 |



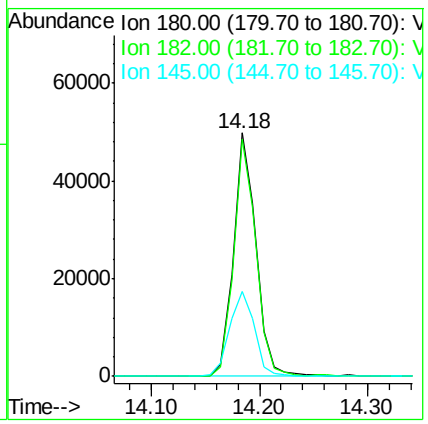


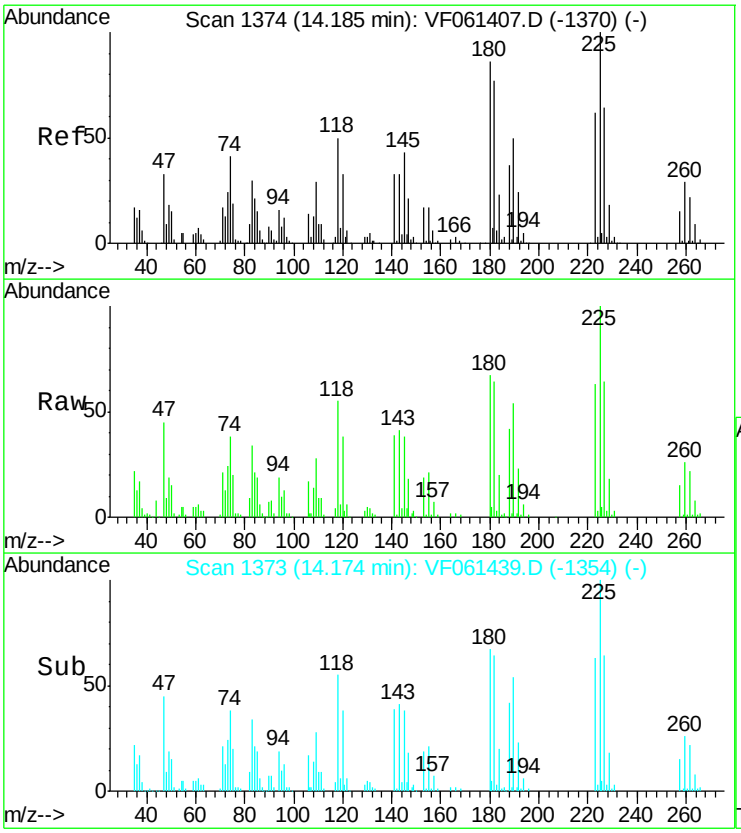

#93
1,2,4-Trichlorobenzene
Concen: 21.062 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0117SBSD01

Tgt Ion:180 Resp: 72398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.4 | 48.5 | 145.6 |
| 145 | 34.7 | 17.5 | 52.6 |

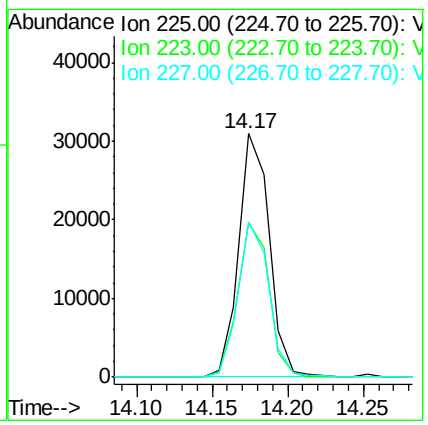


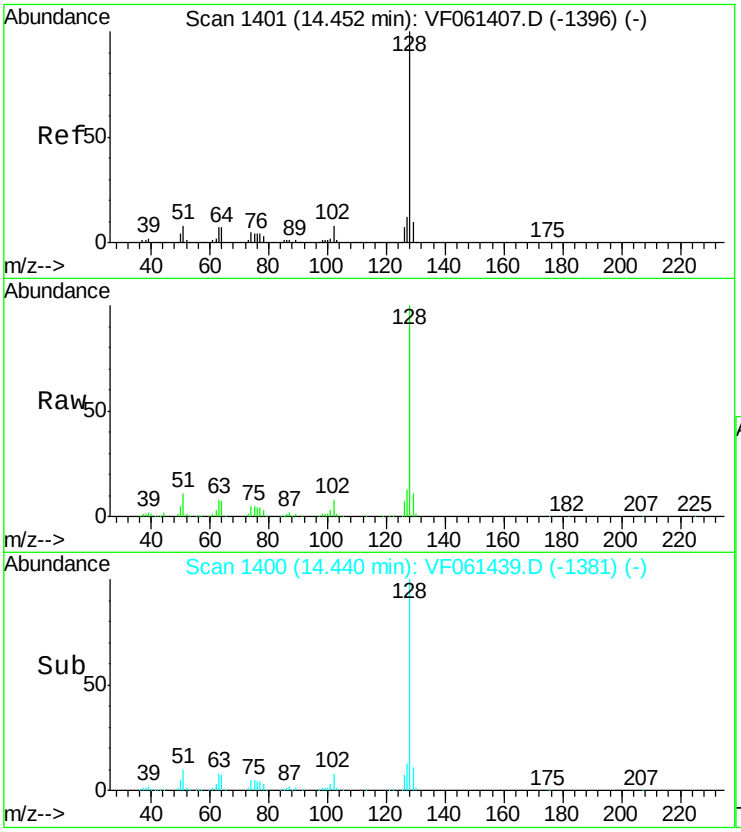




#94
Hexachlorobutadiene
Concen: 20.462 ug/l
RT: 14.17 min Scan# 1373
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:225 Resp: 43645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 31.1 | 93.2 |
| 227 | 63.7 | 32.2 | 96.6 |



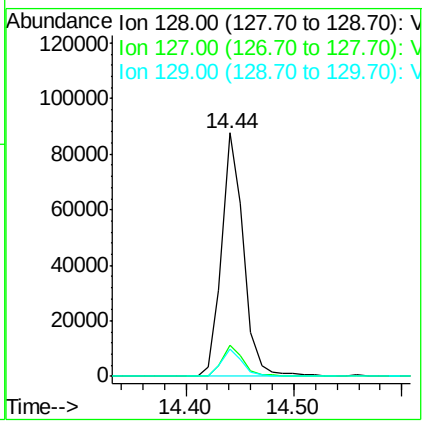


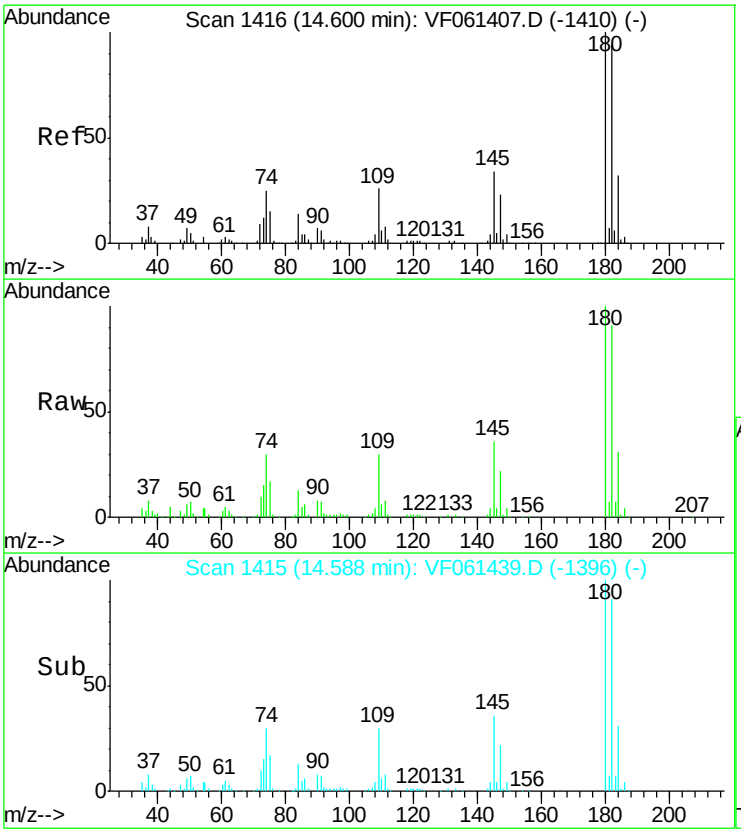

#95
Naphthalene
Concen: 19.031 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

**Instrument :** MSVOA_F
**ClientSampleId :** VF0117SBSD01

Tgt Ion:128 Resp: 124285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 9.5 | 14.3 |
| 129 | 11.3 | 8.4 | 12.6 |




#96
1,2,3-Trichlorobenzene
Concen: 19.968 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061439.D
Acq: 17 Jan 2019 12:34

Tgt Ion:180 Resp: 63537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.0 | 47.0 | 141.2 |
| 145 | 36.2 | 17.1 | 51.2 |