

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060420.D
 Acq On : 3 Oct 2018 17:50
 Operator : VA/AP
 Sample : VF1003SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

Quant Time: Oct 04 05:21:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene | 5.02 | 168 | 281882 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.75 | 114 | 468832 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.90 | 117 | 398620 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 219840 | 50.00 | ug/l | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.00 | 65 | 209905 | 47.59 | ug/l | 0.00 |
| Spiked Amount | 50.000 | | Recovery | = | 95.18% | |
| 35) Dibromofluoromethane | 4.28 | 113 | 210092 | 47.70 | ug/l | 0.02 |
| Spiked Amount | 50.000 | | Recovery | = | 95.40% | |
| 50) Toluene-d8 | 7.69 | 98 | 547880 | 50.51 | ug/l | 0.00 |
| Spiked Amount | 50.000 | | Recovery | = | 101.02% | |
| 62) 4-Bromofluorobenzene | 11.49 | 95 | 225656 | 45.56 | ug/l | 0.00 |
| Spiked Amount | 50.000 | | Recovery | = | 91.12% | |

Target Compounds

| | | | | | | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 1.00 | 85 | 134026 | 18.566 | ug/l | 99 |
| 3) Chloromethane | 1.12 | 50 | 76646 | 20.024 | ug/l | 96 |
| 4) Vinyl Chloride | 1.17 | 62 | 83555 | 20.984 | ug/l | 95 |
| 5) Bromomethane | 1.36 | 94 | 60413 | 19.588 | ug/l | 98 |
| 6) Chloroethane | 1.42 | 64 | 38654 | 19.453 | ug/l | 89 |
| 7) Trichlorofluoromethane | 1.54 | 101 | 172281 | 18.649 | ug/l | 96 |
| 8) Diethyl Ether | 1.70 | 74 | 22519 | 17.787 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.88 | 101 | 81820 | 18.490 | ug/l | 94 |
| 10) Methyl Iodide | 1.95 | 142 | 127827 | 18.942 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.67 | 59 | 24416 | 91.515 | ug/l # | 83 |
| 12) 1,1-Dichloroethene | 1.84 | 96 | 65297 | 19.097 | ug/l | 97 |
| 13) Acrolein | 2.08 | 56 | 19304 | 89.970 | ug/l # | 75 |
| 14) Allyl chloride | 2.18 | 41 | 115736 | 21.125 | ug/l | 90 |
| 15) Acrylonitrile | 3.07 | 53 | 39891 | 87.259 | ug/l | 87 |
| 16) Acetone | 2.34 | 43 | 112626 | 110.764 | ug/l | 99 |
| 17) Carbon Disulfide | 1.89 | 76 | 207217 | 20.014 | ug/l | 99 |
| 18) Methyl Acetate | 2.44 | 43 | 30651 | 17.328 | ug/l # | 89 |
| 19) Methyl tert-butyl Ether | 2.53 | 73 | 147624 | 17.726 | ug/l | 100 |
| 20) Methylene Chloride | 2.27 | 84 | 35246 | 6.054 | ug/l | 86 |
| 21) trans-1,2-Dichloroethene | 2.41 | 96 | 64405 | 18.860 | ug/l | 96 |
| 22) Diisopropyl ether | 2.91 | 45 | 184974 | 18.601 | ug/l | 94 |
| 23) Vinyl Acetate | 3.31 | 43 | 390604 | 98.880 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 2.99 | 63 | 125177 | 18.614 | ug/l | 100 |
| 25) 2-Butanone | 4.49 | 43 | 125228 | 109.647 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 3.75 | 77 | 77938 | 20.463 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 3.62 | 96 | 78390 | 20.531 | ug/l | 85 |
| 28) Bromochloromethane | 3.87 | 49 | 54749 | 22.090 | ug/l | 94 |
| 29) Tetrahydrofuran | 4.24 | 42 | 46472 | 105.364 | ug/l | 98 |
| 30) Chloroform | 4.01 | 83 | 174709 | 21.054 | ug/l | 94 |
| 31) Cyclohexane | 3.84 | 56 | 107898 | 22.344 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 4.25 | 97 | 147882 | 21.416 | ug/l | 92 |
| 36) 1,1-Dichloropropene | 4.44 | 75 | 120146 | 20.785 | ug/l | 95 |
| 37) Ethyl Acetate | 4.27 | 43 | 44838 | 20.256 | ug/l # | 87 |
| 38) Carbon Tetrachloride | 4.15 | 117 | 157379 | 22.368 | ug/l | 96 |

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 ClientSampleId :
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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane | 5.61 | 83 | 118044 | 20.831 | ug/l | 87 |
| 40) Benzene | 4.79 | 78 | 257106 | 22.406 | ug/l | 98 |
| 41) Methacrylonitrile | 4.91 | 41 | 20925 | 17.829 | ug/l | 90 |
| 42) 1,2-Dichloroethane | 5.10 | 62 | 106862 | 19.520 | ug/l | 100 |
| 43) Isopropyl Acetate | 7.10 | 43 | 54836 | 20.500 | ug/l # | 97 |
| 44) Trichloroethene | 5.65 | 130 | 74299 | 20.179 | ug/l | 94 |
| 45) 1,2-Dichloropropane | 6.38 | 63 | 64477 | 21.099 | ug/l | 96 |
| 46) Dibromomethane | 6.23 | 93 | 46379 | 18.876 | ug/l | 84 |
| 47) Bromodichloromethane | 6.53 | 83 | 117275 | 19.273 | ug/l # | 91 |
| 48) Methyl methacrylate | 6.85 | 41 | 39359 | 20.497 | ug/l | 98 |
| 49) 1,4-Dioxane | 6.86 | 88 | 7114 | 429.685 | ug/l # | 72 |
| 51) 4-Methyl-2-Pentanone | 8.39 | 43 | 198902 | 104.456 | ug/l | 95 |
| 52) Toluene | 7.76 | 92 | 162282 | 20.821 | ug/l | 96 |
| 53) t-1,3-Dichloropropene | 8.41 | 75 | 95891 | 20.108 | ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 7.43 | 75 | 115915 | 20.798 | ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 8.62 | 97 | 46908 | 18.987 | ug/l | 98 |
| 56) Ethyl methacrylate | 8.74 | 69 | 57056 | 20.324 | ug/l | 99 |
| 57) 1,3-Dichloropropane | 8.98 | 76 | 82111 | 19.646 | ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 7.76 | 63 | 28763 | 100.306 | ug/l | 100 |
| 59) 2-Hexanone | 9.61 | 43 | 157051 | 112.446 | ug/l | 98 |
| 60) Dibromochloromethane | 8.84 | 129 | 68783 | 18.491 | ug/l | 96 |
| 61) 1,2-Dibromoethane | 9.12 | 107 | 52122 | 19.281 | ug/l | 100 |
| 64) Tetrachloroethene | 8.29 | 164 | 70618 | 22.285 | ug/l | 92 |
| 65) Chlorobenzene | 9.93 | 112 | 175756 | 21.464 | ug/l | 92 |
| 66) 1,1,1,2-Tetrachloroethane | 10.05 | 131 | 74690 | 20.890 | ug/l | 94 |
| 67) Ethyl Benzene | 10.02 | 91 | 340514 | 21.871 | ug/l | 99 |
| 68) m/p-Xylenes | 10.25 | 106 | 235364 | 43.975 | ug/l | 98 |
| 69) o-Xylene | 10.81 | 106 | 129732 | 22.237 | ug/l | 97 |
| 70) Styrene | 10.89 | 104 | 176939 | 21.322 | ug/l | 94 |
| 71) Bromoform | 10.87 | 173 | 38846 | 20.407 | ug/l # | 98 |
| 73) Isopropylbenzene | 11.22 | 105 | 388457 | 22.442 | ug/l | 99 |
| 74) N-amyl acetate | 11.45 | 43 | 83465 | 21.010 | ug/l | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 11.77 | 83 | 65270 | 20.682 | ug/l | 86 |
| 76) 1,2,3-Trichloropropane | 11.87 | 75 | 49706 | 21.395 | ug/l | 91 |
| 77) Bromobenzene | 11.58 | 156 | 73701 | 19.048 | ug/l | 100 |
| 78) n-propylbenzene | 11.67 | 91 | 456585 | 21.758 | ug/l | 93 |
| 79) 2-Chlorotoluene | 11.80 | 91 | 266221 | 21.688 | ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.90 | 105 | 320334 | 21.782 | ug/l | 96 |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75 | 29938 | 29.070 | ug/l | 92 |
| 82) 4-Chlorotoluene | 11.98 | 91 | 262559 | 20.905 | ug/l | 97 |
| 83) tert-Butylbenzene | 12.20 | 119 | 300363 | 20.707 | ug/l | 96 |
| 84) 1,2,4-Trimethylbenzene | 12.27 | 105 | 310101 | 21.262 | ug/l | 95 |
| 85) sec-Butylbenzene | 12.38 | 105 | 430454 | 21.499 | ug/l | 99 |
| 86) p-Isopropyltoluene | 12.53 | 119 | 348346 | 21.296 | ug/l | 96 |
| 87) 1,3-Dichlorobenzene | 12.55 | 146 | 152587 | 20.957 | ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.64 | 146 | 151017 | 21.034 | ug/l | 98 |
| 89) n-Butylbenzene | 12.91 | 91 | 383466 | 22.154 | ug/l | 95 |
| 90) Hexachloroethane | 12.98 | 117 | 82984 | 19.629 | ug/l | 93 |
| 91) 1,2-Dichlorobenzene | 13.01 | 146 | 142911 | 20.485 | ug/l | 95 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75 | 11345 | 18.544 | ug/l | 88 |

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 ClientSampleId :
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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

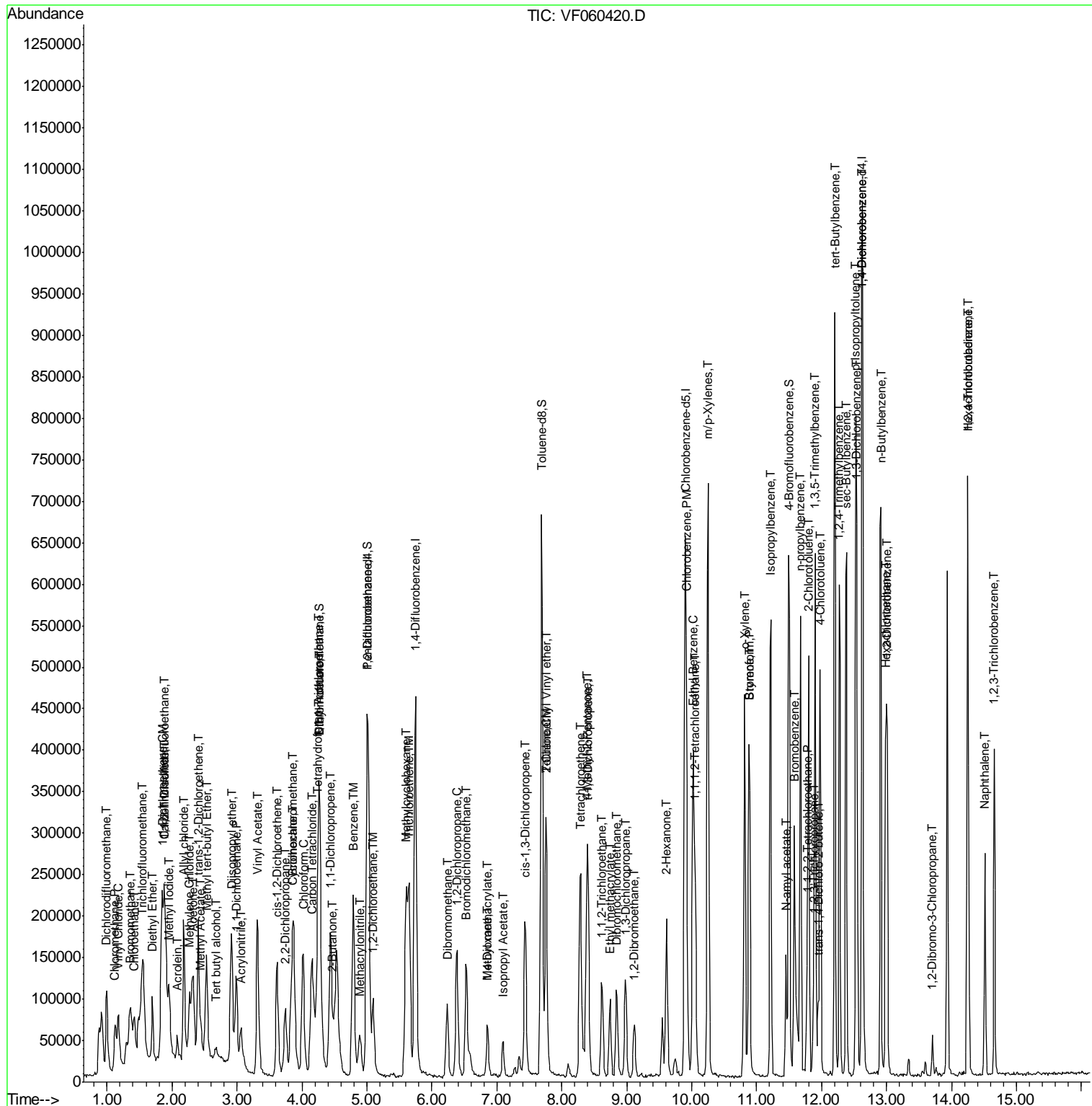
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.25 | 180 | 106699 | 20.462 | ug/l | 93 |
| 94) Hexachlorobutadiene | 14.24 | 225 | 72413 | 19.897 | ug/l | 96 |
| 95) Naphthalene | 14.51 | 128 | 187590 | 20.121 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180 | 101063 | 20.676 | ug/l | 97 |

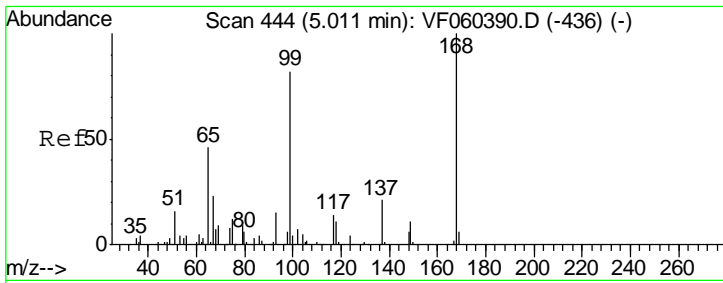
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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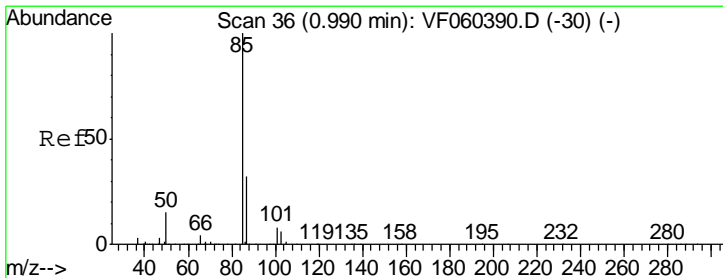
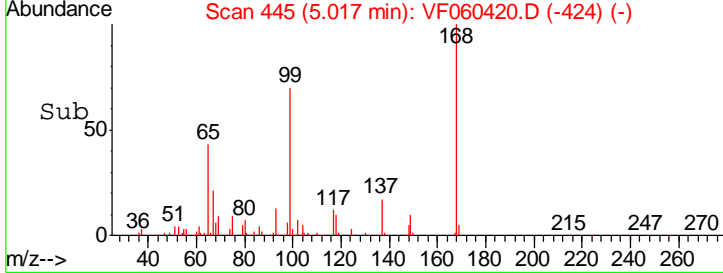
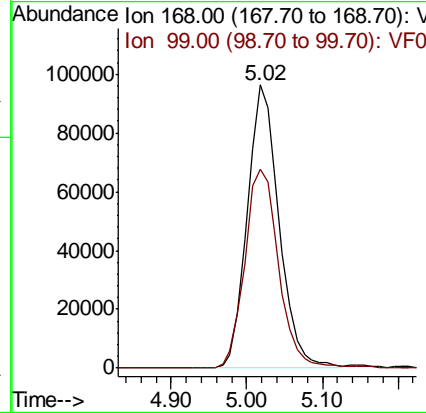
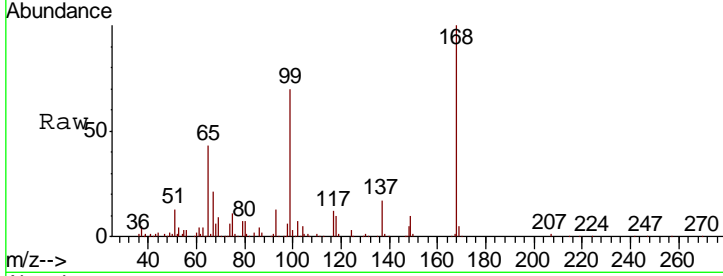




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

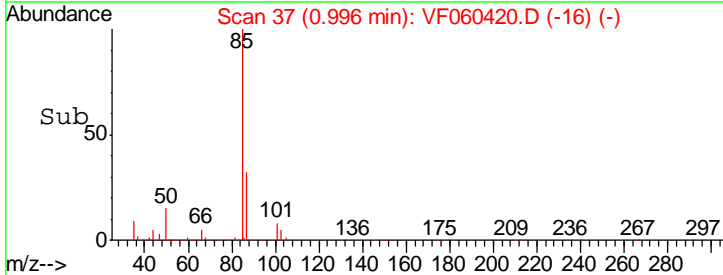
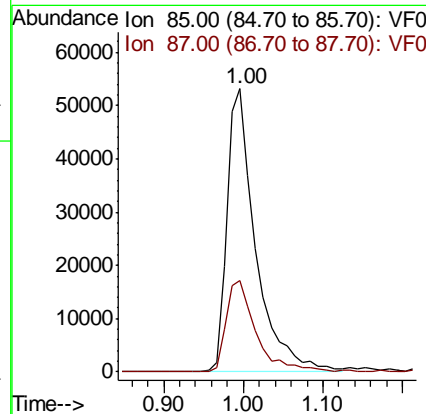
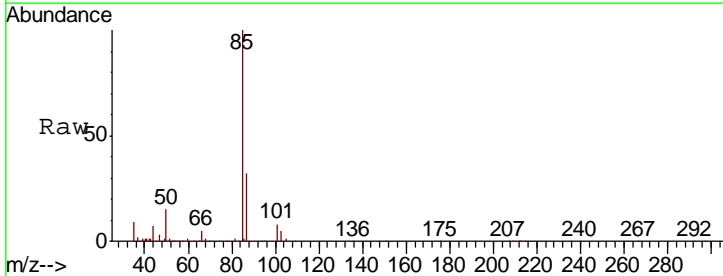
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

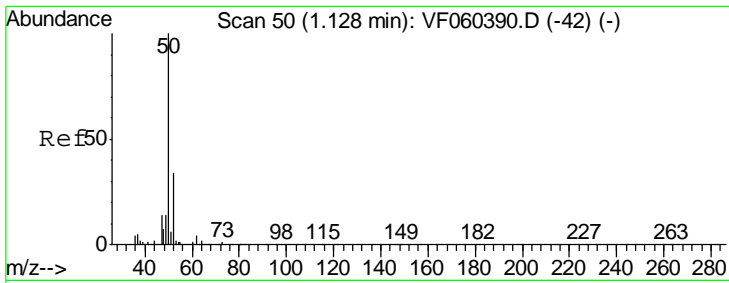
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 168 | 100 | | |
| 99 | 70.1 | 65.3 | 97.9 |



#2
 Dichlorodifluoromethane
 Concen: 18.566 ug/l
 RT: 1.00 min Scan# 37
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 85 | 100 | | |
| 87 | 32.1 | 15.9 | 47.6 |

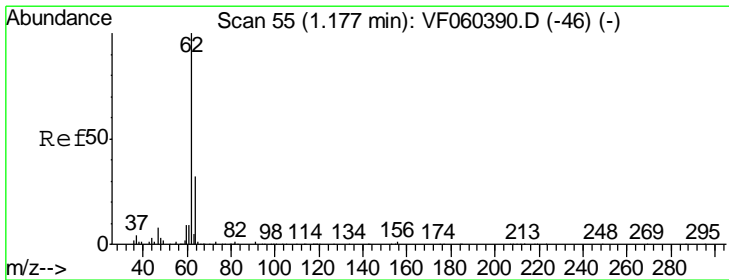
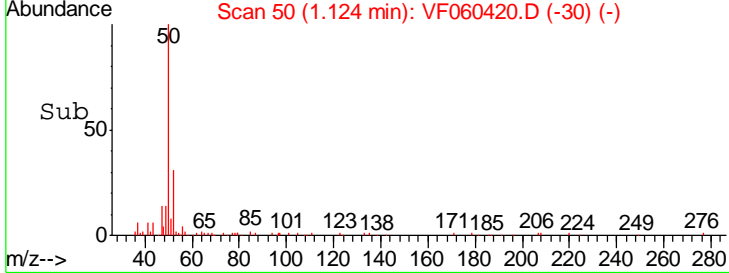
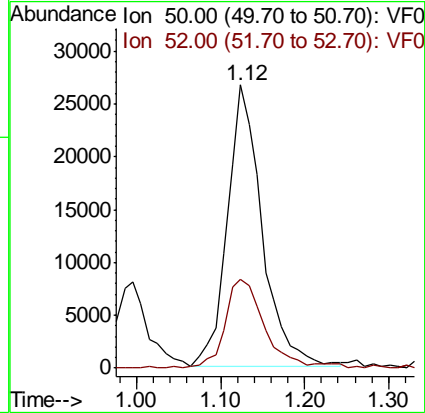
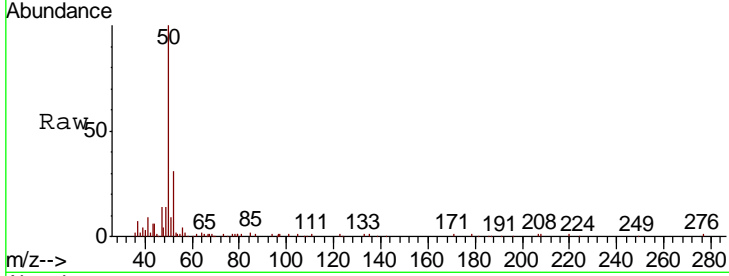




#3
 Chloromethane
 Concen: 20.024 ug/l
 RT: 1.12 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

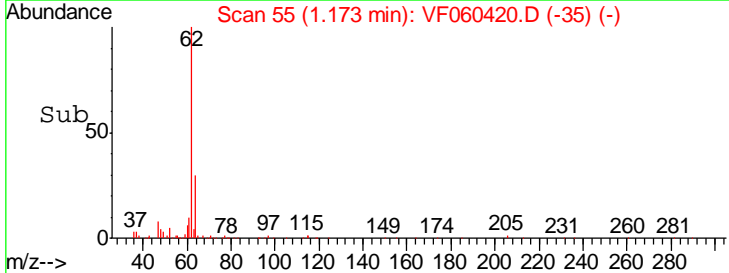
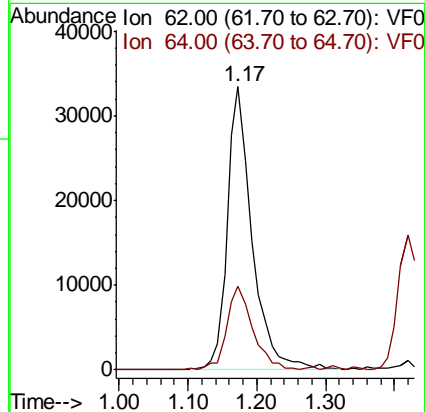
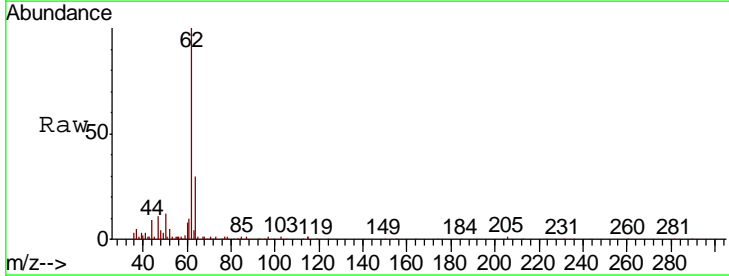
Instrument : MSVOA_F
 ClientSampleId : VF1003SBSD01

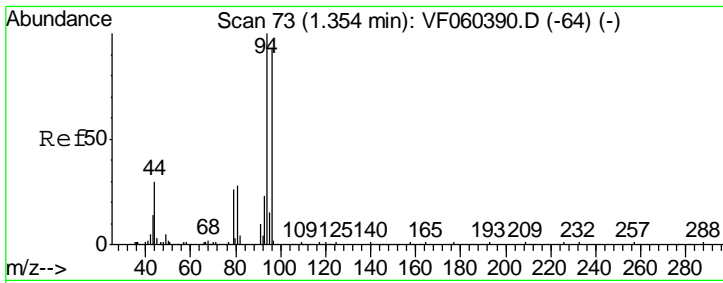
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 50 | 100 | | |
| 52 | 31.3 | 26.9 | 40.3 |



#4
 Vinyl Chloride
 Concen: 20.984 ug/l
 RT: 1.17 min Scan# 55
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 29.5 | 25.8 | 38.6 |

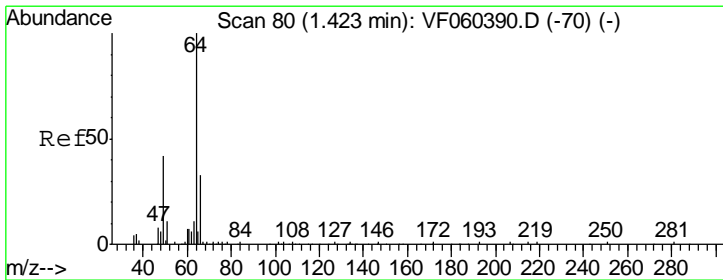
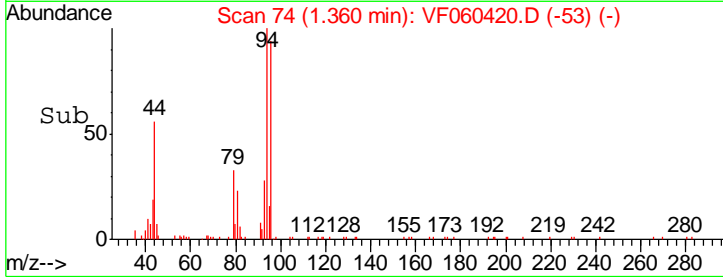
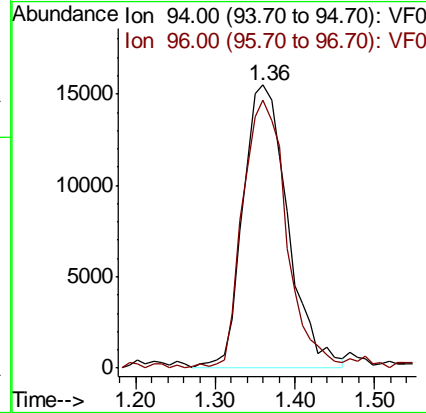
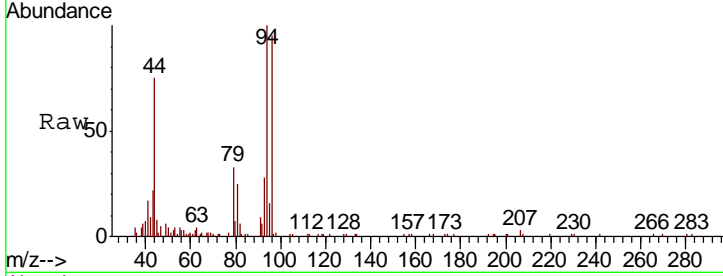




#5
 Bromomethane
 Concen: 19.588 ug/l
 RT: 1.36 min Scan# 74
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

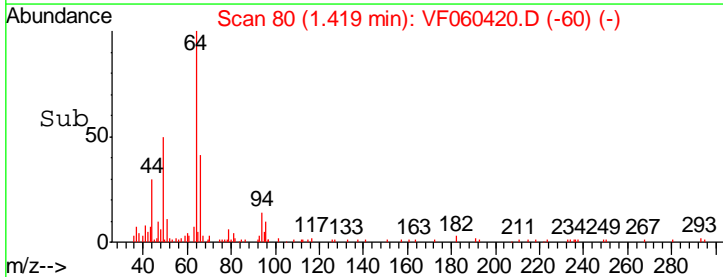
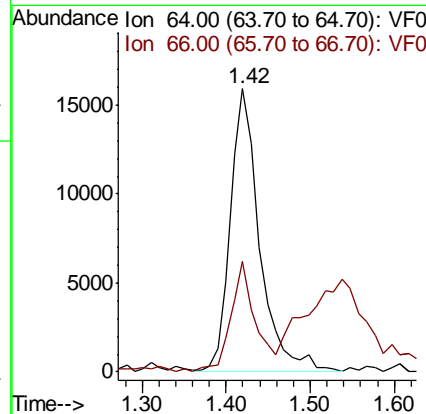
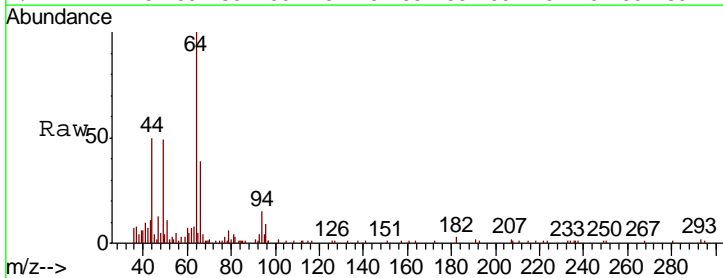
Instrument :
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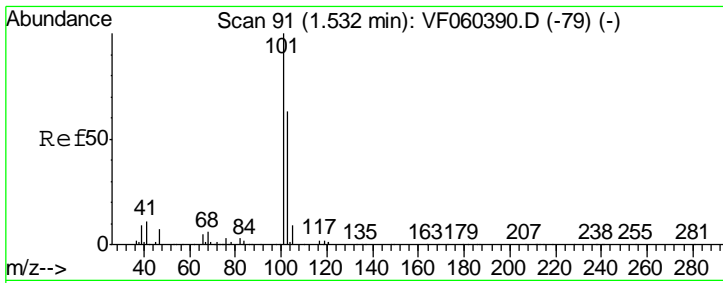
Tgt Ion: 94 Resp: 60413
 Ion Ratio Lower Upper
 94 100
 96 94.9 74.3 111.5



#6
 Chloroethane
 Concen: 19.453 ug/l
 RT: 1.42 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 64 Resp: 38654
 Ion Ratio Lower Upper
 64 100
 66 39.0 26.3 39.5

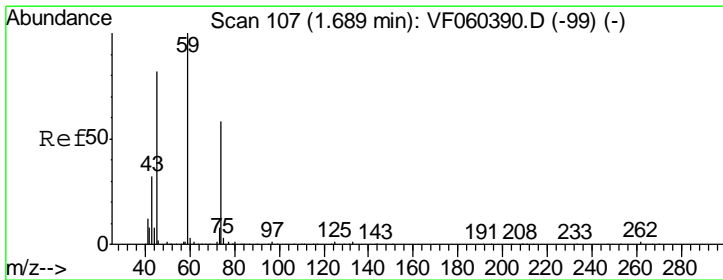
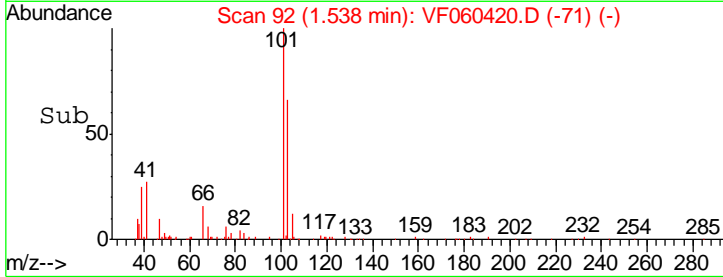
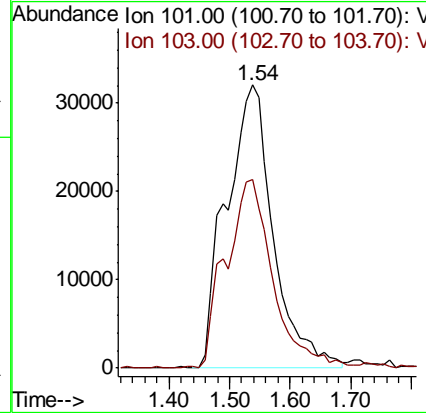
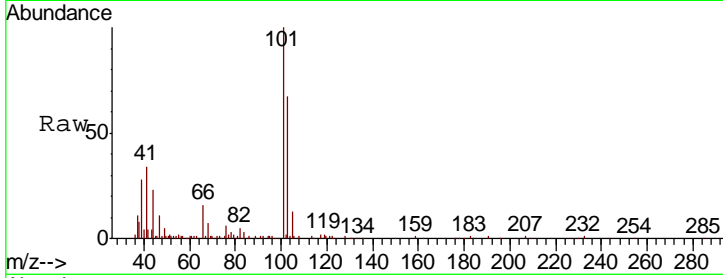




#7
 Trichlorofluoromethane
 Concen: 18.649 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

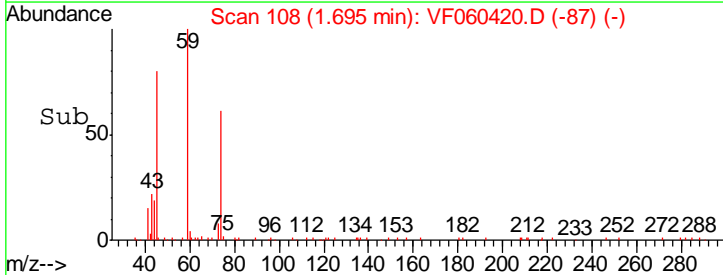
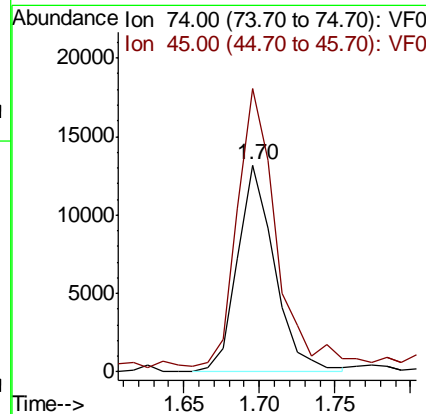
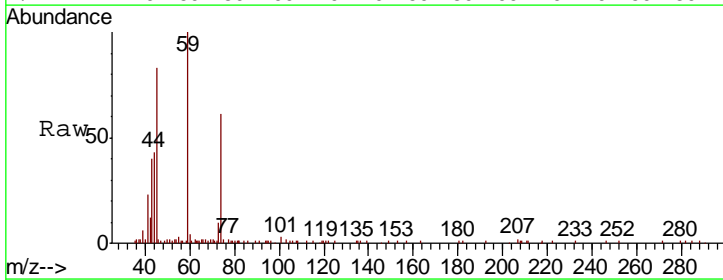
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

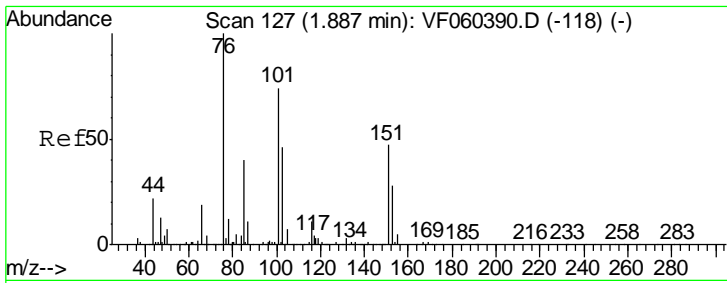
Tgt Ion: 101 Resp: 172281
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.0 76.4



#8
 Diethyl Ether
 Concen: 17.787 ug/l
 RT: 1.70 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 74 Resp: 22519
 Ion Ratio Lower Upper
 74 100
 45 136.7 71.3 213.8

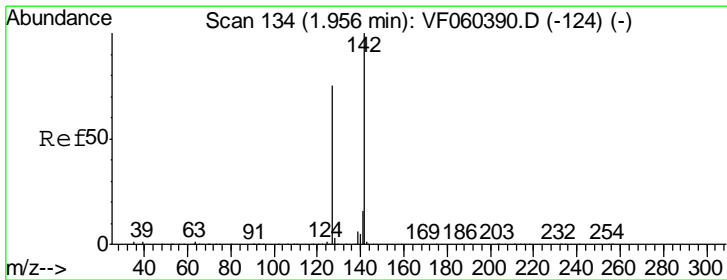
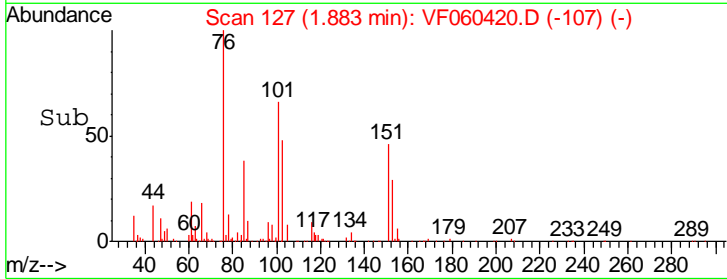
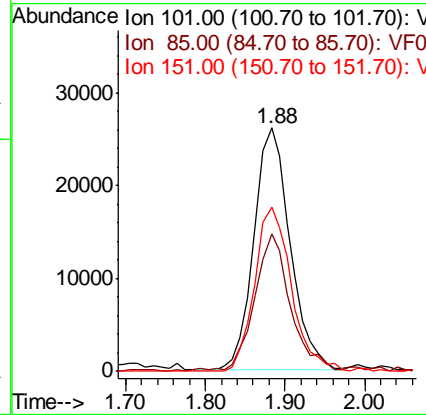
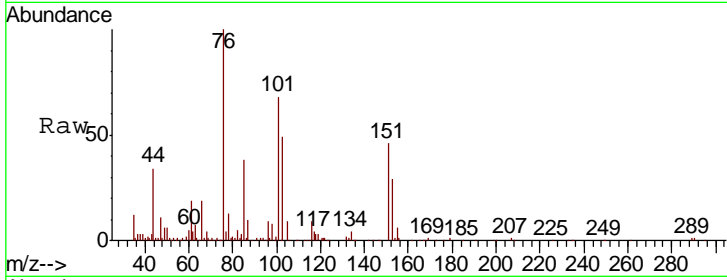




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.490 ug/l
 RT: 1.88 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

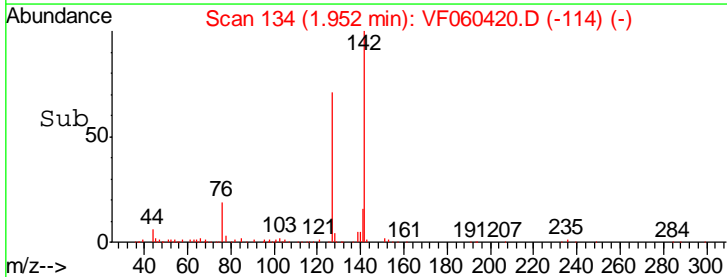
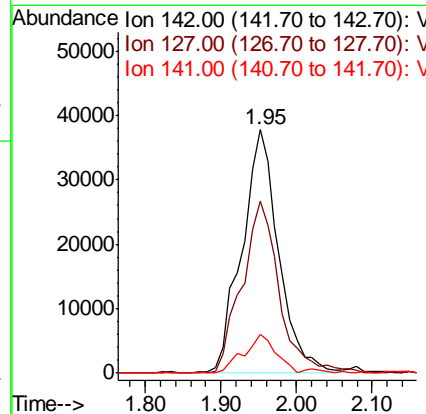
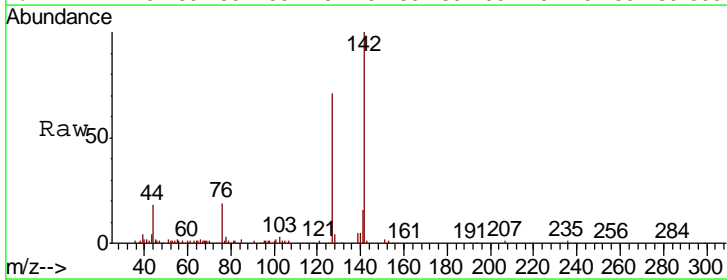
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

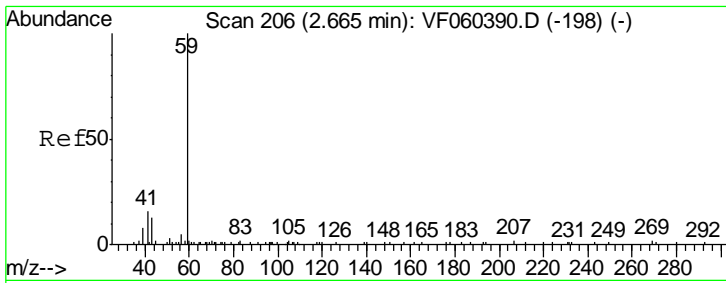
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 101 | 81820 | | |
| 85 | 56.6 | 42.5 | 63.7 |
| 151 | 67.7 | 49.8 | 74.8 |



#10
 Methyl Iodide
 Concen: 18.942 ug/l
 RT: 1.95 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 142 | 127827 | | |
| 127 | 70.5 | 60.2 | 90.2 |
| 141 | 16.0 | 13.1 | 19.7 |

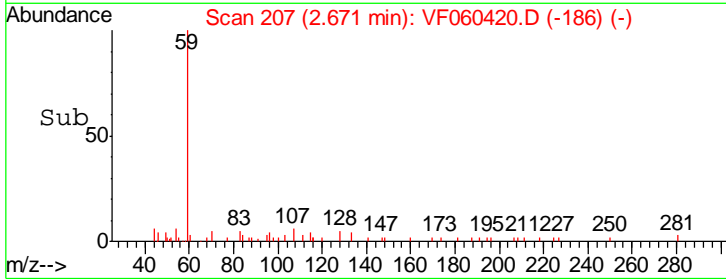
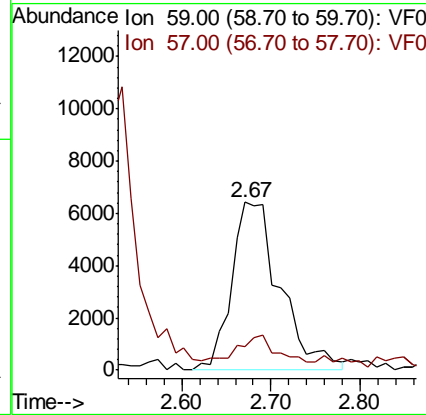
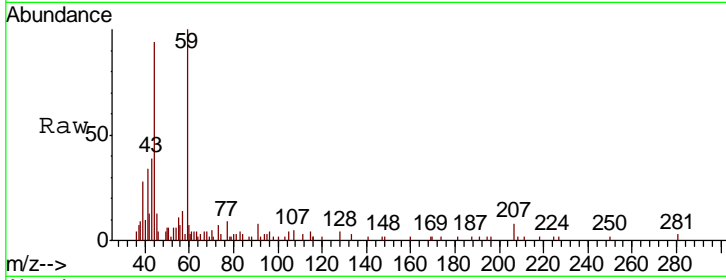




#11
 Tert butyl alcohol
 Concen: 91.515 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

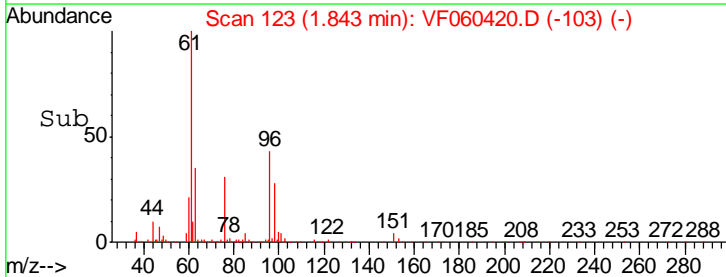
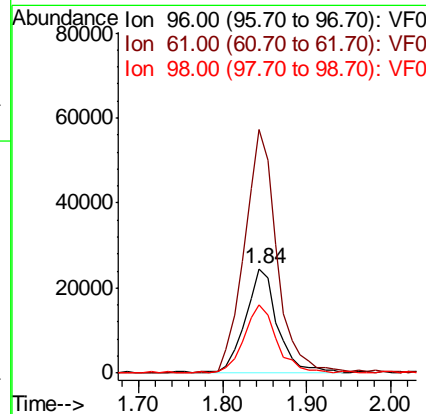
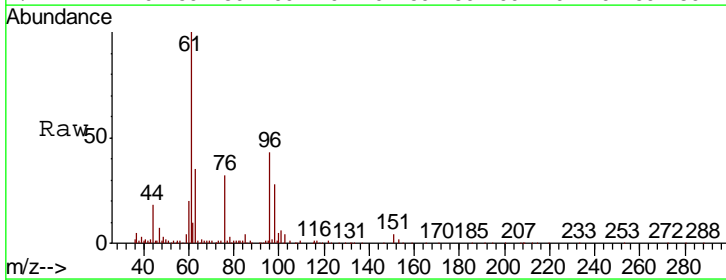
Instrument :
 MSVOA_F
ClientSampled :
 VF1003SBSD01

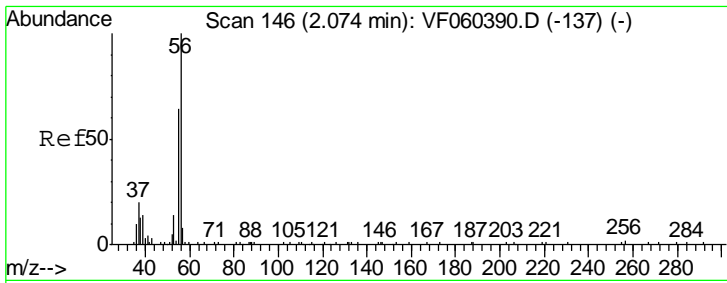
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 59 | 24416 | | |
| 57 | 14.2 | 6.5 | 9.7# |



#12
 1,1-Dichloroethene
 Concen: 19.097 ug/l
 RT: 1.84 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 65297 | | |
| 61 | 233.7 | 189.4 | 284.0 |
| 98 | 65.9 | 47.8 | 71.6 |

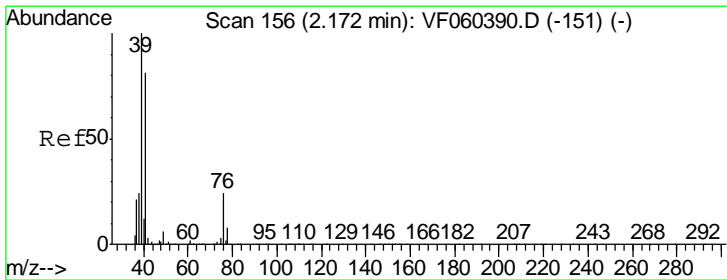
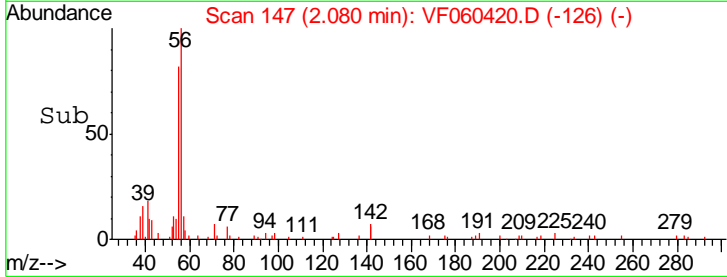
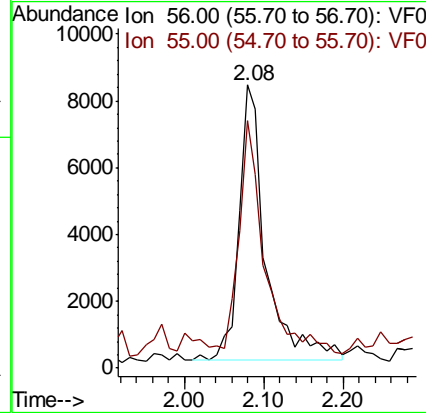
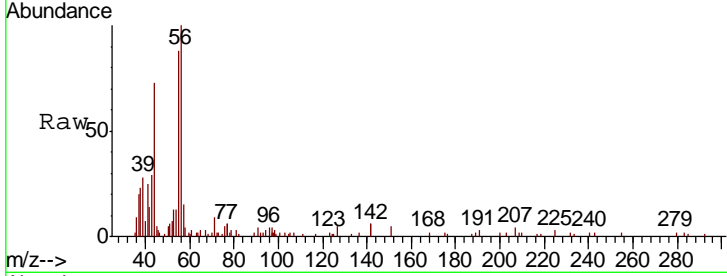




#13
 Acrolein
 Concen: 89.970 ug/l
 RT: 2.08 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

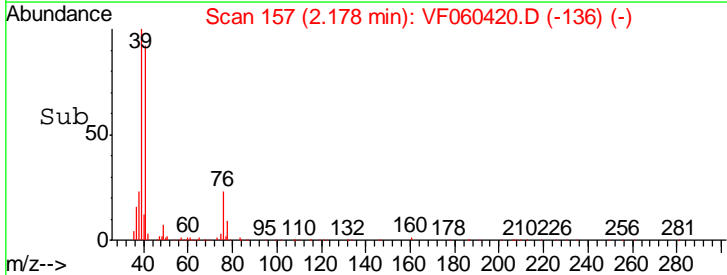
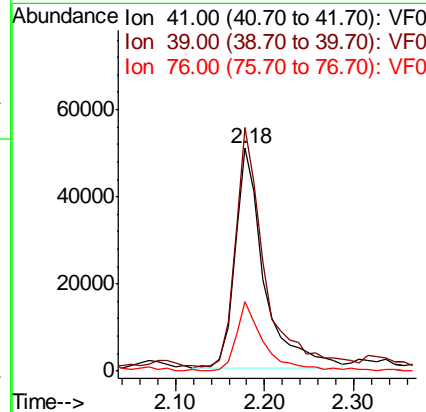
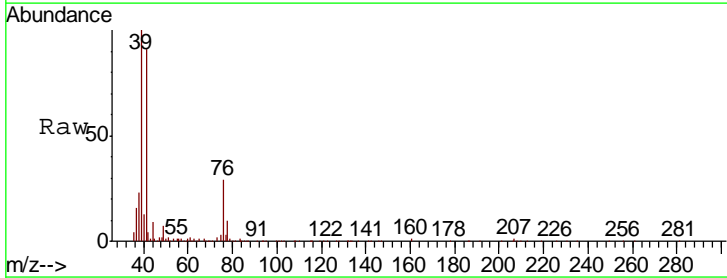
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

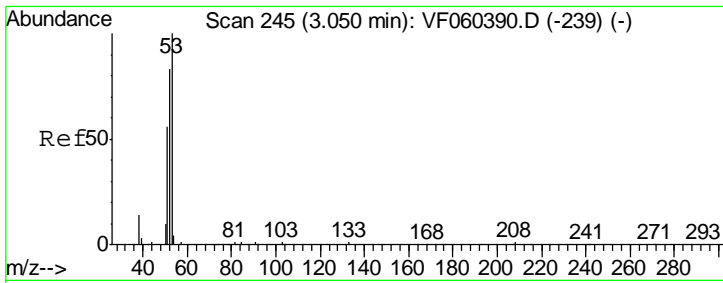
Tgt Ion: 56 Resp: 19304
 Ion Ratio Lower Upper
 56 100
 55 87.6 53.9 80.9#



#14
 Allyl chloride
 Concen: 21.125 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 41 Resp: 115736
 Ion Ratio Lower Upper
 41 100
 39 109.4 98.3 147.5
 76 31.4 23.9 35.9

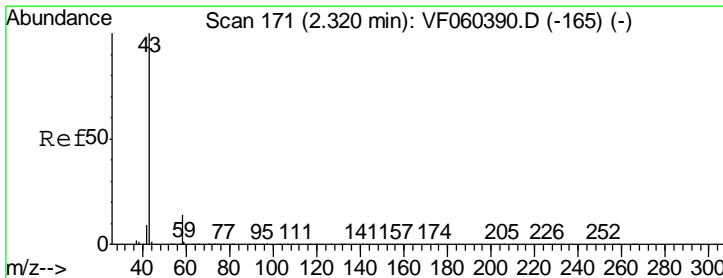
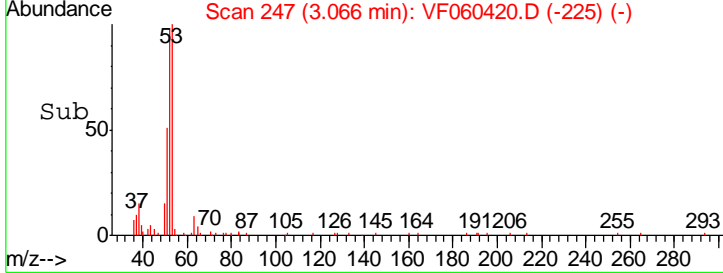
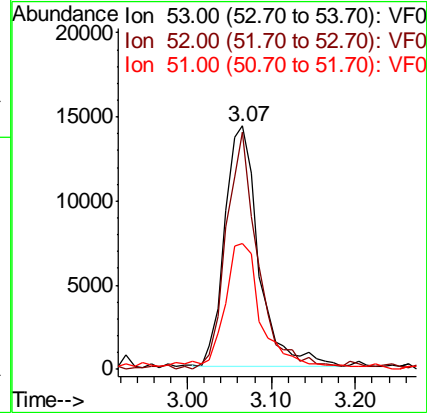
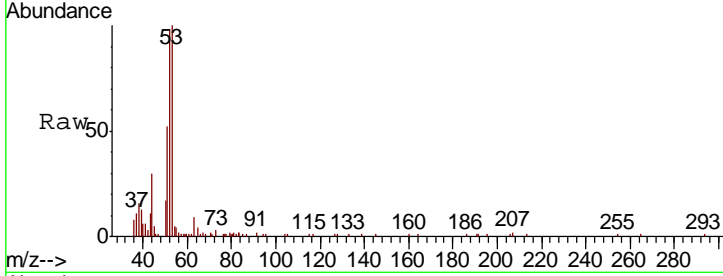




#15
 Acrylonitrile
 Concen: 87.259 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

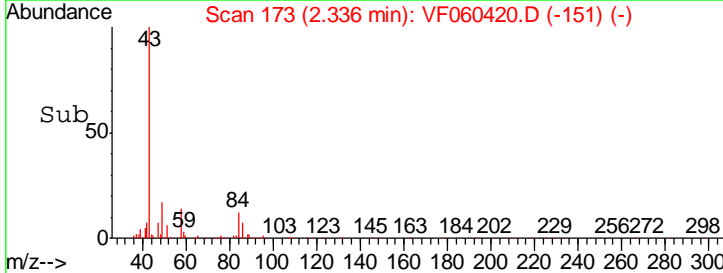
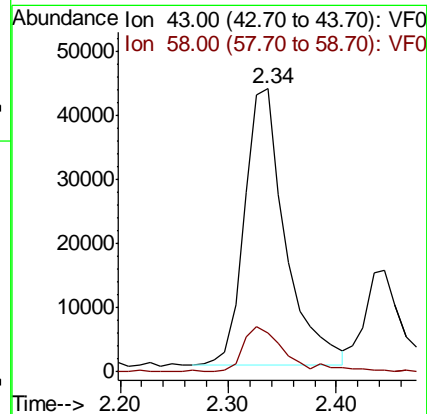
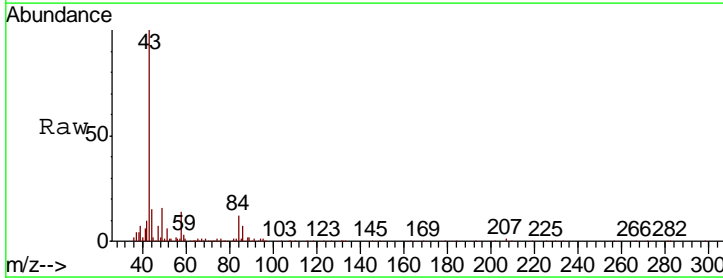
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

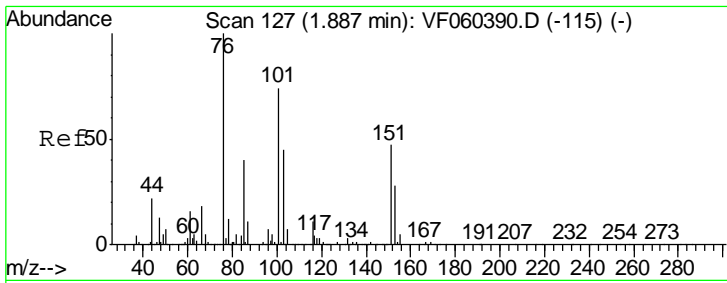
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 53 | 39891 | | |
| 52 | 97.7 | 66.0 | 99.0 |
| 51 | 51.9 | 45.6 | 68.4 |



#16
 Acetone
 Concen: 110.764 ug/l
 RT: 2.34 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 112626 | | |
| 58 | 13.7 | 11.2 | 16.8 |

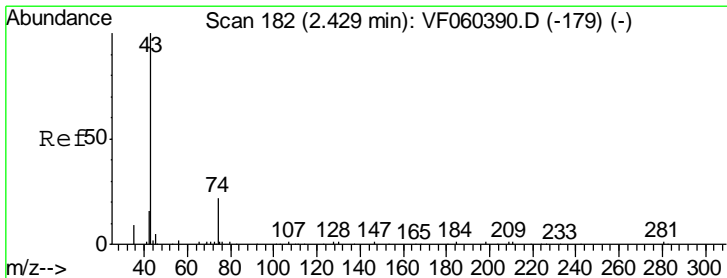
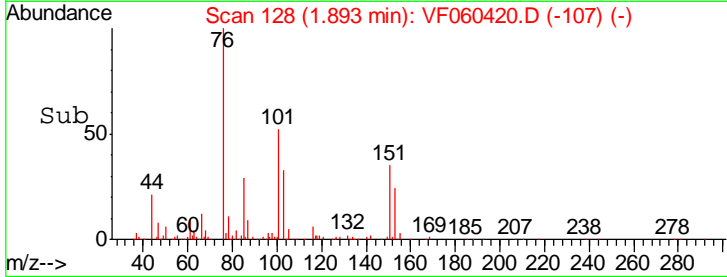
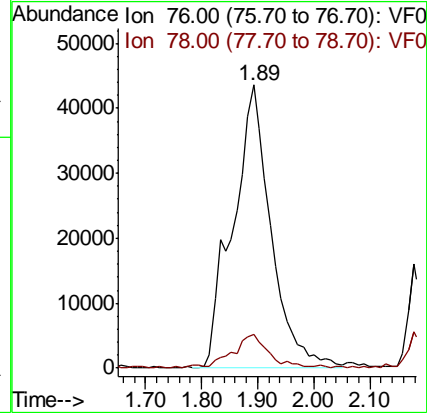
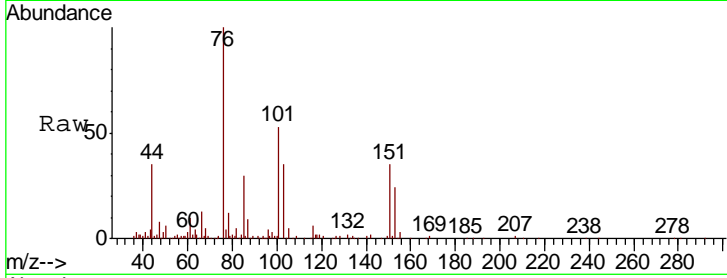




#17
 Carbon Disulfide
 Concen: 20.014 ug/l
 RT: 1.89 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

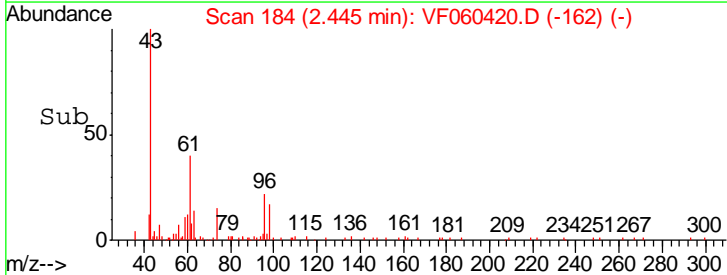
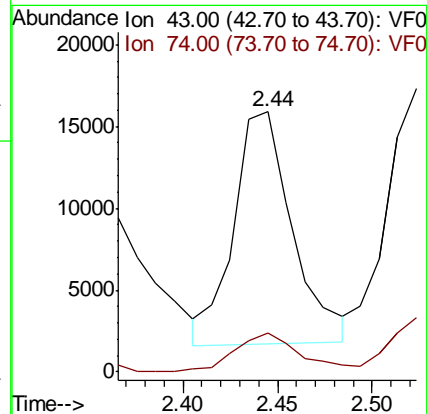
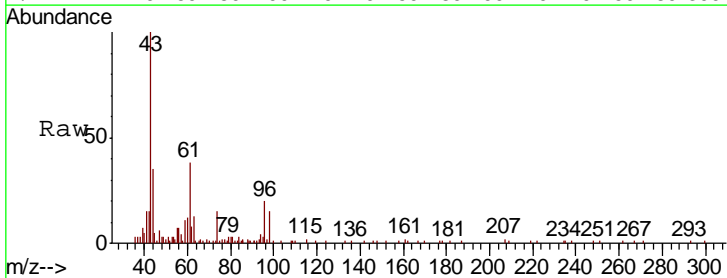
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

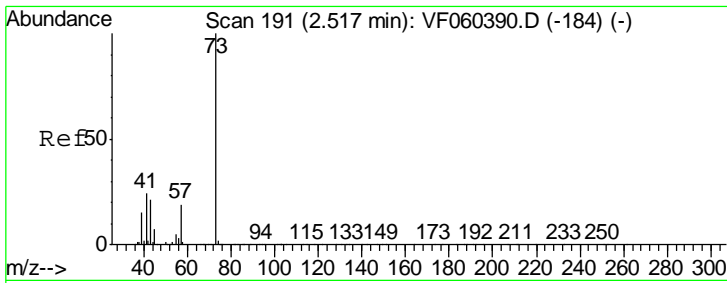
Tgt Ion: 76 Resp: 207217
 Ion Ratio Lower Upper
 76 100
 78 12.0 10.1 15.1



#18
 Methyl Acetate
 Concen: 17.328 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 43 Resp: 30651
 Ion Ratio Lower Upper
 43 100
 74 14.9 15.8 23.8#

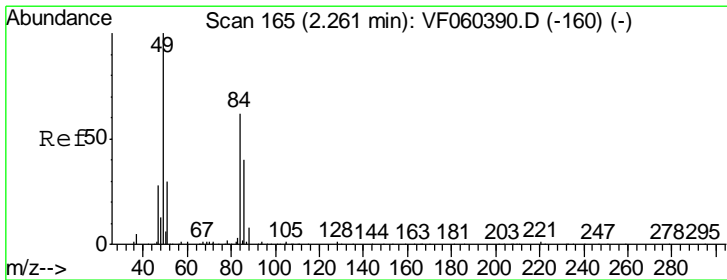
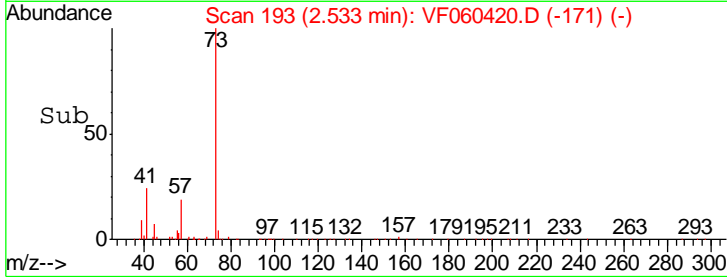
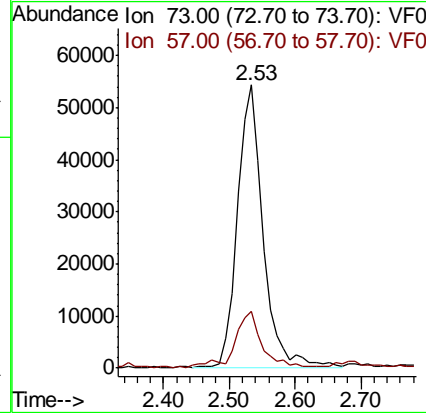
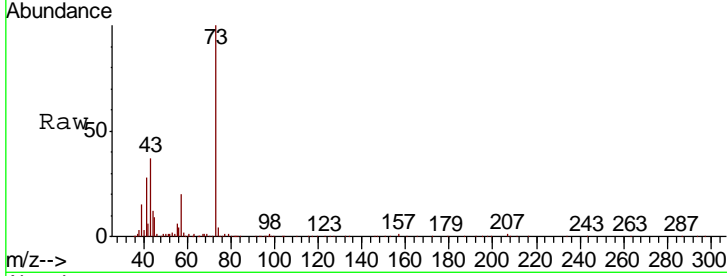




#19
Methyl tert-butyl Ether
Concen: 17.726 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

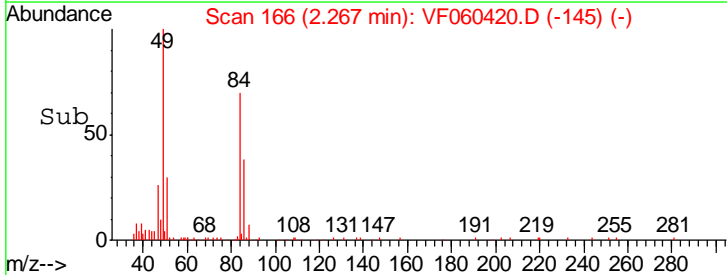
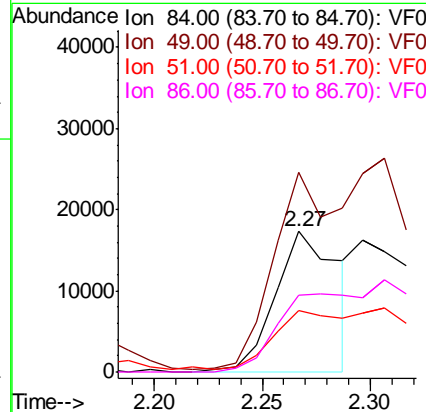
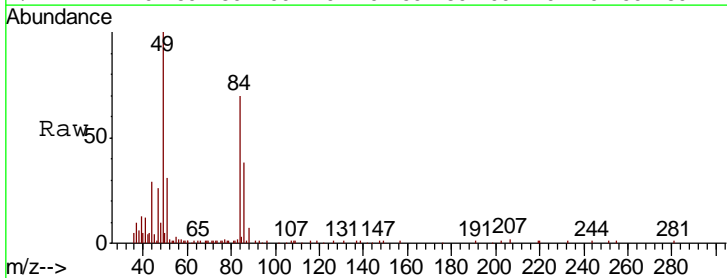
Instrument :
MSVOA_F
ClientSampled :
VF1003SBSD01

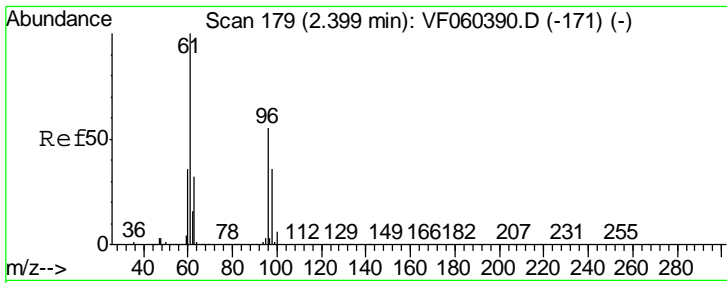
Tgt Ion: 73 Resp: 147624
Ion Ratio Lower Upper
73 100
57 19.9 15.9 23.9



#20
Methylene Chloride
Concen: 6.054 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion: 84 Resp: 35246
Ion Ratio Lower Upper
84 100
49 142.2 130.2 195.2
51 43.7 41.0 61.6
86 54.7 51.5 77.3

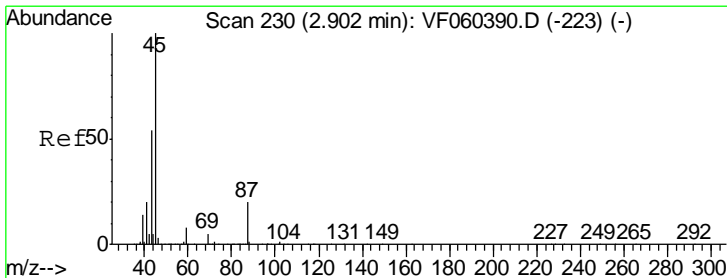
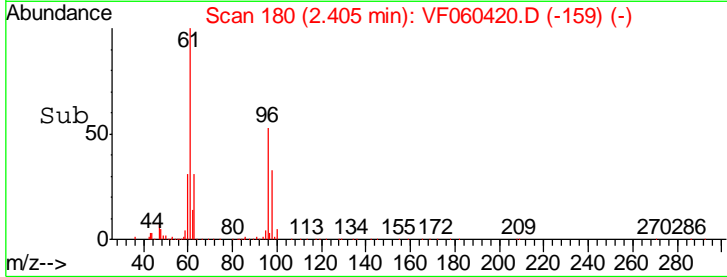
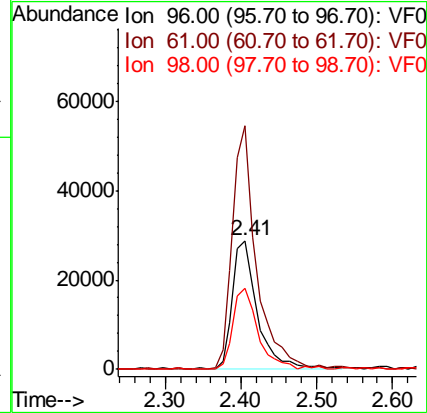
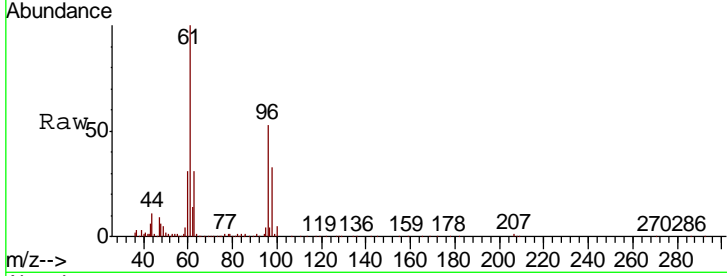




#21
 trans-1,2-Dichloroethene
 Concen: 18.860 ug/l
 RT: 2.41 min Scan# 180
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

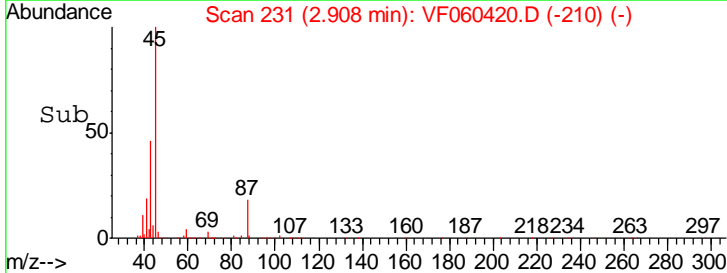
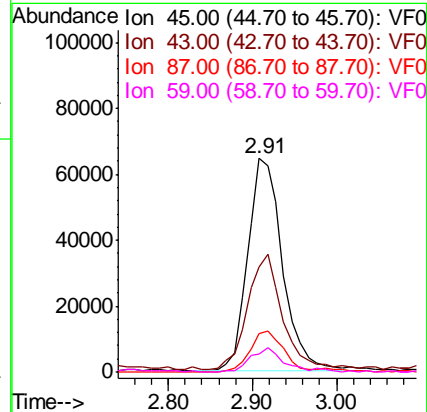
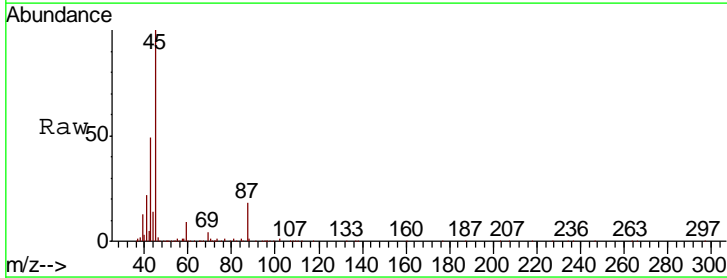
Instrument :
 MSVOA_F
 ClientSampleID :
 VF1003SBS01

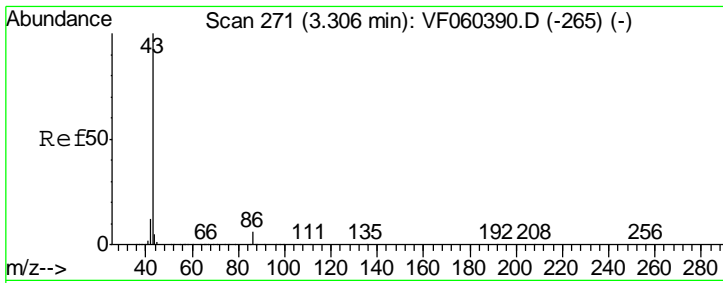
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 64405 | | |
| 61 | 189.5 | 146.2 | 219.2 |
| 98 | 63.4 | 52.6 | 78.8 |



#22
 Diisopropyl ether
 Concen: 18.601 ug/l
 RT: 2.91 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 45 | 184974 | | |
| 43 | 49.2 | 43.8 | 65.8 |
| 87 | 18.2 | 16.3 | 24.5 |
| 59 | 8.6 | 6.6 | 10.0 |

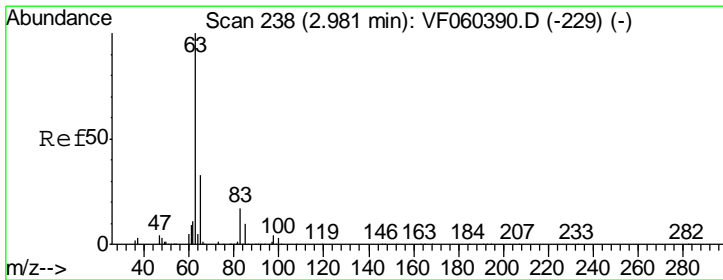
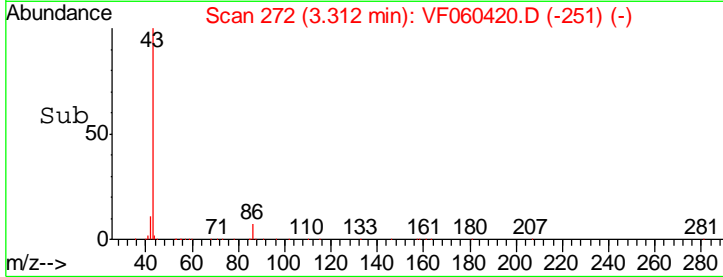
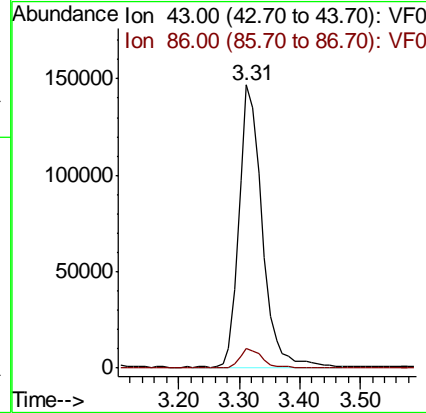
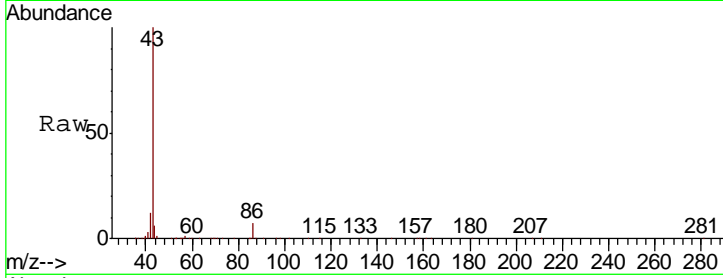




#23
 Vinyl Acetate
 Concen: 98.880 ug/l
 RT: 3.31 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

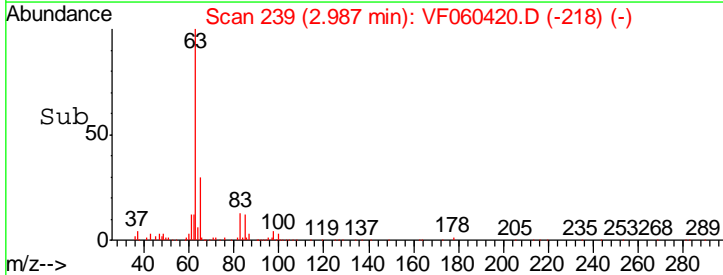
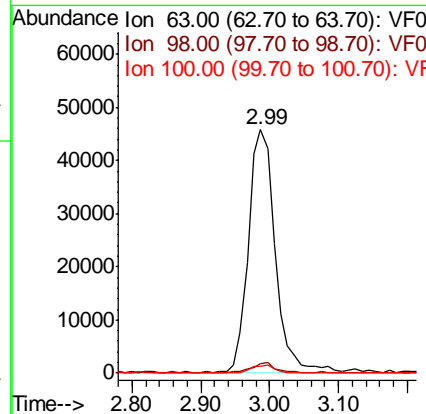
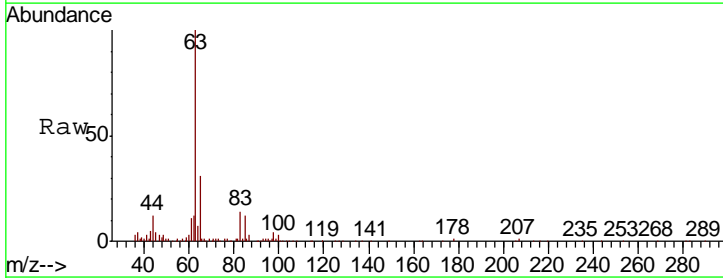
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

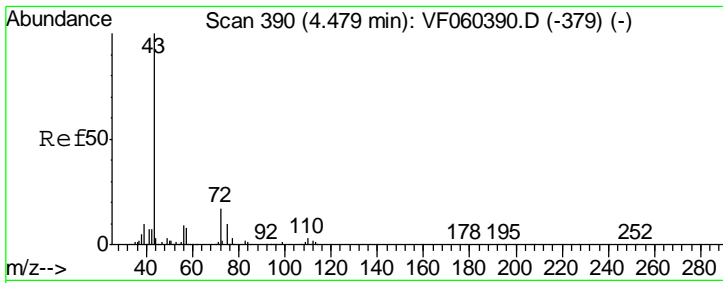
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 86 | 7.0 | 5.1 | 7.7 |



#24
 1,1-Dichloroethane
 Concen: 18.614 ug/l
 RT: 2.99 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 98 | 3.9 | 2.0 | 5.8 |
| 100 | 2.9 | 1.4 | 4.2 |

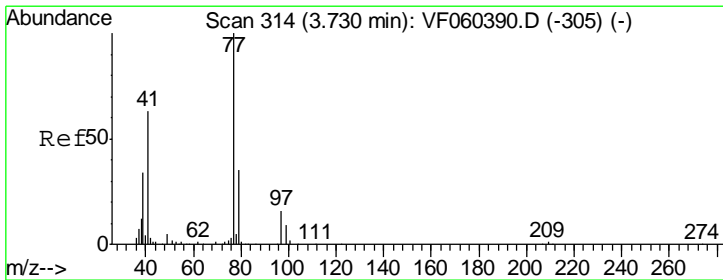
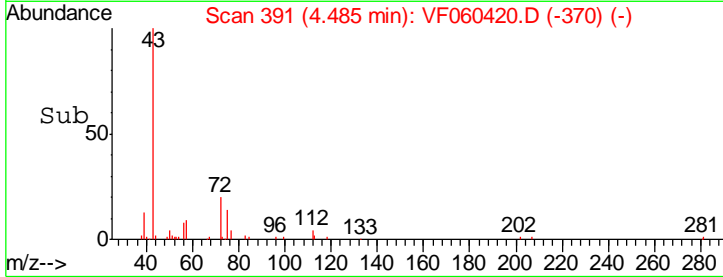
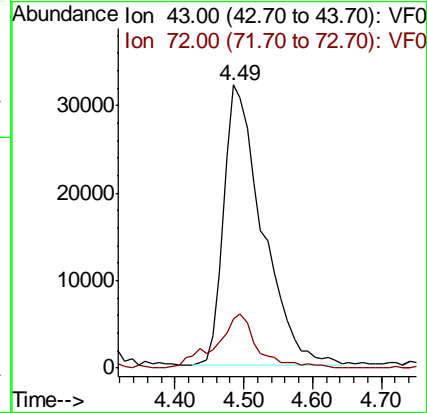
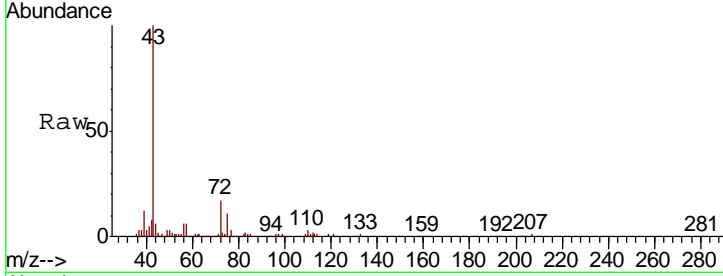




#25
 2-Butanone
 Concen: 109.647 ug/l
 RT: 4.49 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

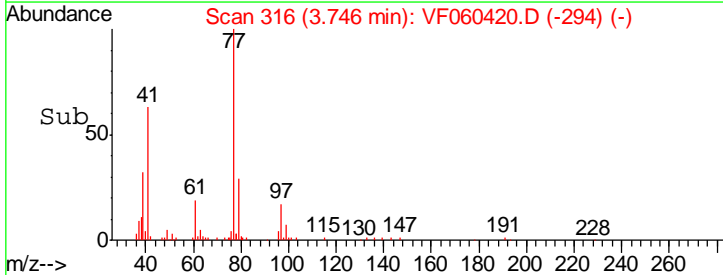
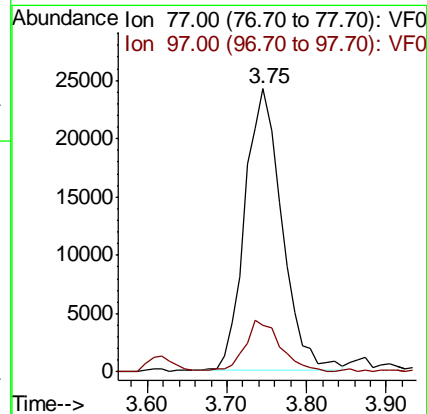
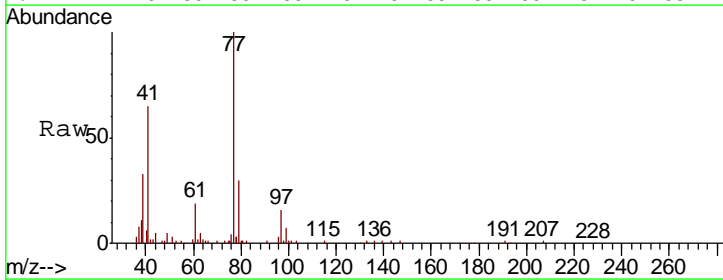
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

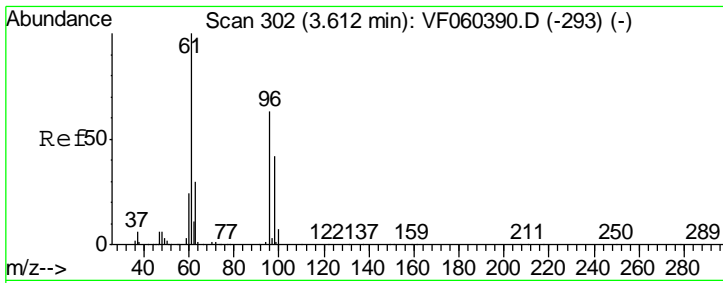
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 125228 | | |
| 72 | 17.4 | 14.1 | 21.1 |



#26
 2,2-Dichloropropane
 Concen: 20.463 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 77 | 77938 | | |
| 97 | 16.5 | 8.3 | 25.1 |

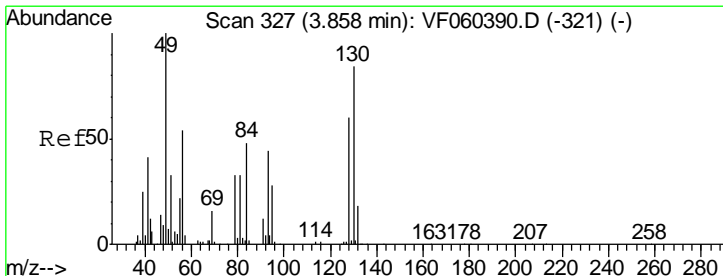
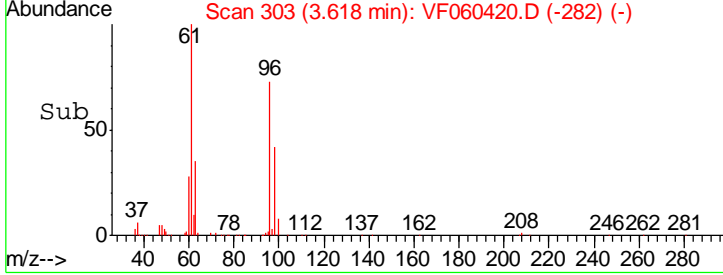
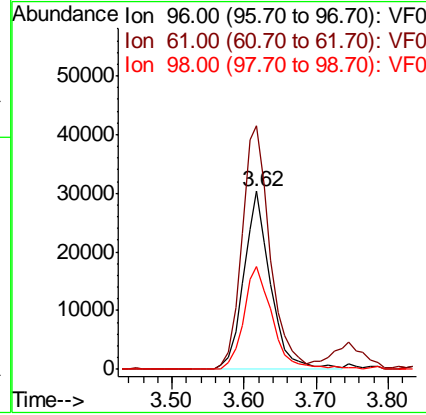
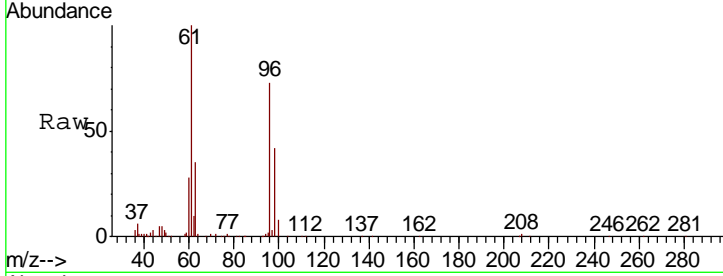




#27
 cis-1,2-Dichloroethene
 Concen: 20.531 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

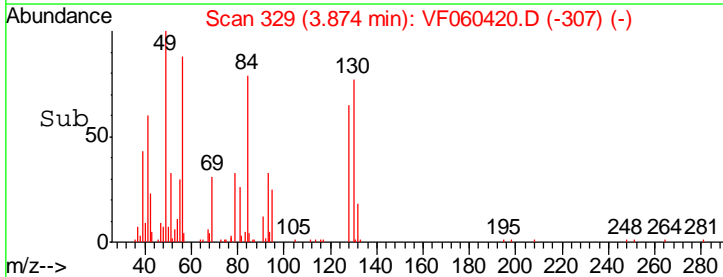
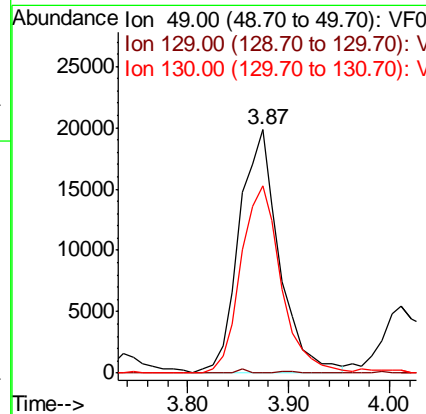
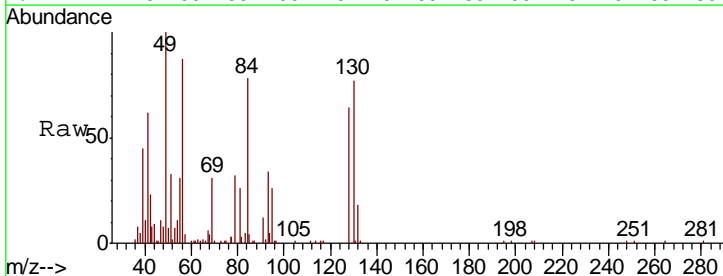
Instrument :
 MSVOA_F
ClientSampled :
 VF1003SBSD01

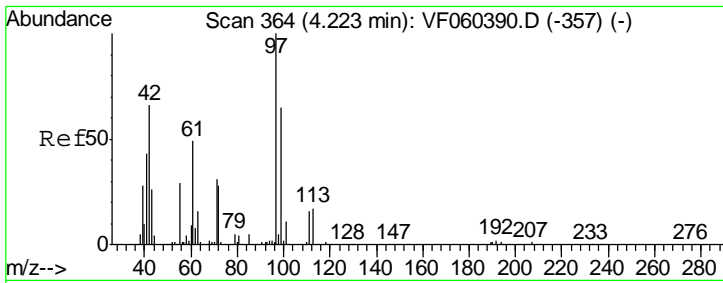
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 78390 | | |
| 61 | 136.7 | 0.0 | 318.2 |
| 98 | 57.9 | 0.0 | 134.0 |



#28
 Bromochloromethane
 Concen: 22.090 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 49 | 54749 | | |
| 129 | 0.0 | 0.0 | 4.6 |
| 130 | 78.3 | 67.3 | 100.9 |

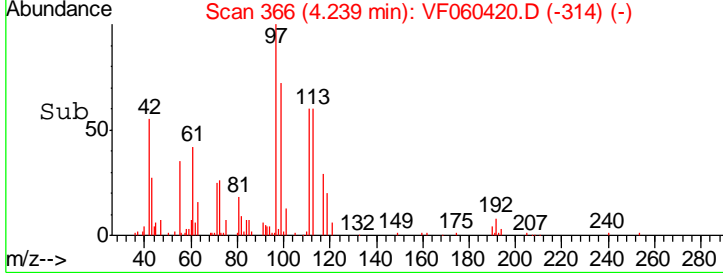
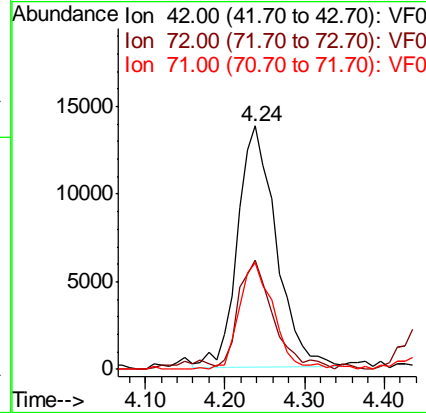
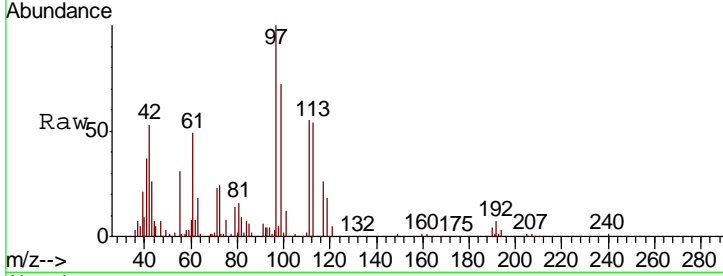




#29
 Tetrahydrofuran
 Concen: 105.364 ug/l
 RT: 4.24 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

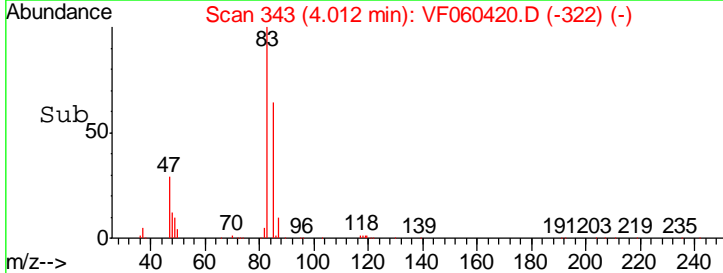
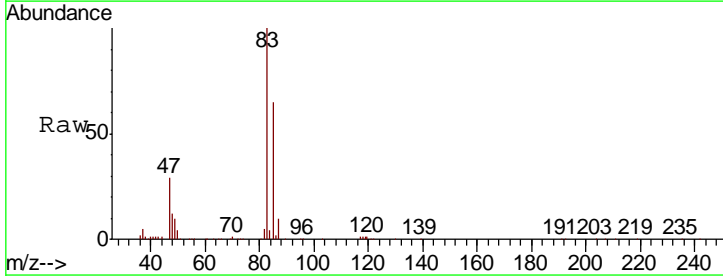
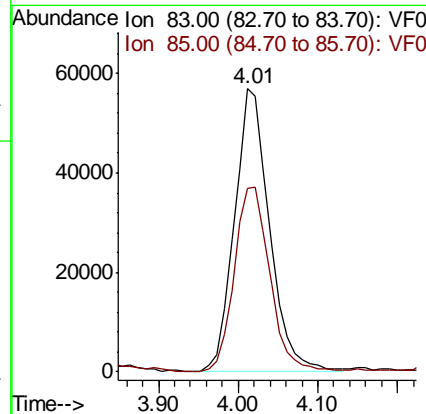
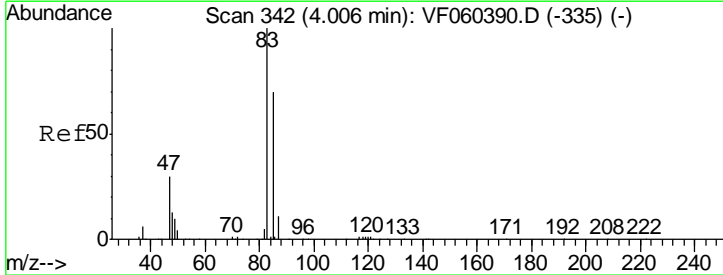
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

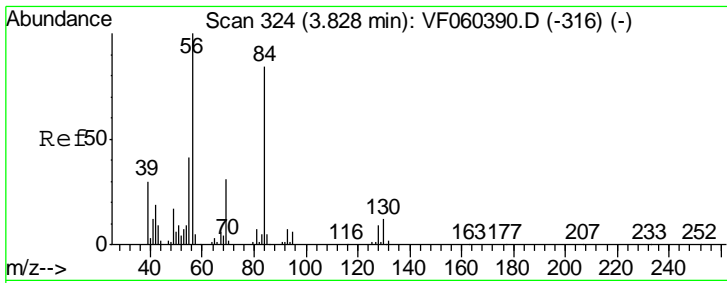
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 42 | 100 | | |
| 72 | 41.1 | 33.6 | 50.4 |
| 71 | 39.2 | 32.7 | 49.1 |



#30
 Chloroform
 Concen: 21.054 ug/l
 RT: 4.01 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 64.7 | 55.9 | 83.9 |



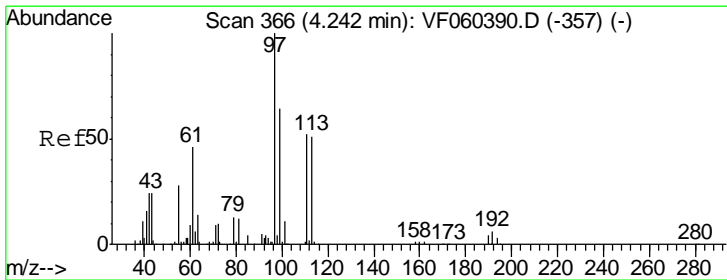
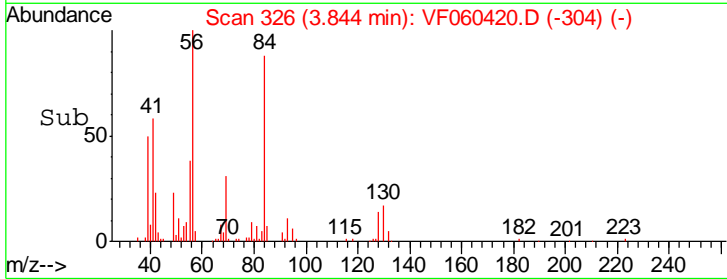
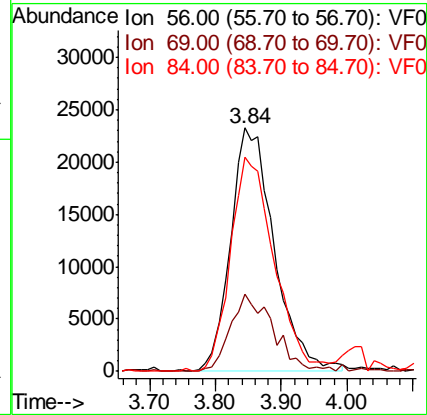
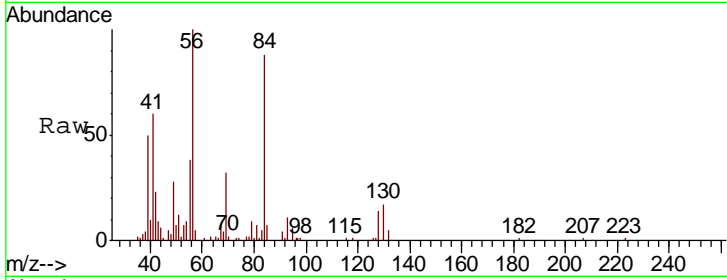


#31
 Cyclohexane
 Concen: 22.344 ug/l
 RT: 3.84 min Scan# 326
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1003SBS01

Tgt Ion: 56 Resp: 107898

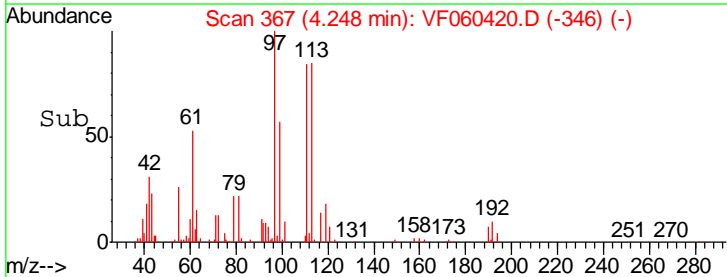
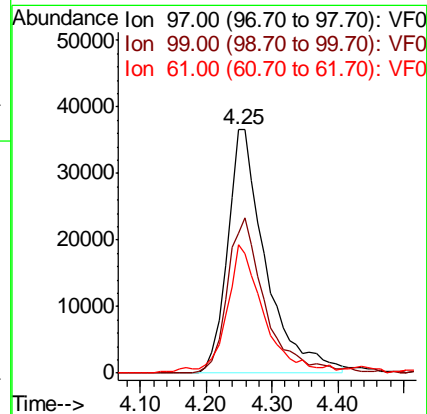
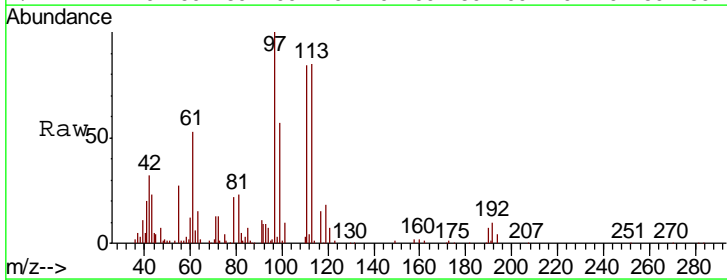
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56 | 100 | | |
| 69 | 31.8 | 25.5 | 38.3 |
| 84 | 87.9 | 67.4 | 101.0 |

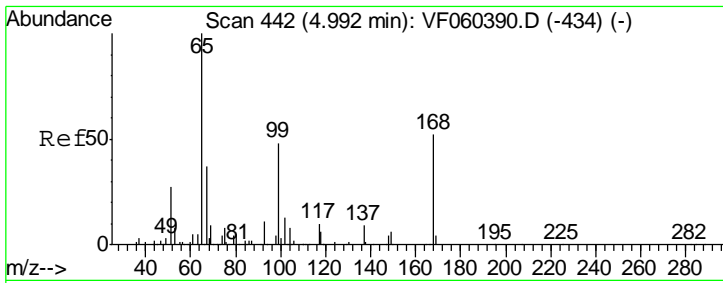


#32
 1,1,1-Trichloroethane
 Concen: 21.416 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 97 Resp: 147882

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97 | 100 | | |
| 99 | 57.2 | 51.0 | 76.4 |
| 61 | 52.7 | 37.5 | 56.3 |

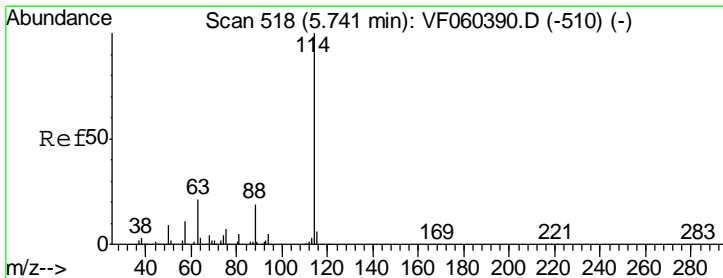
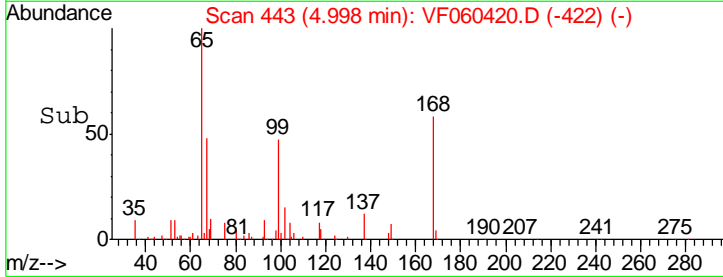
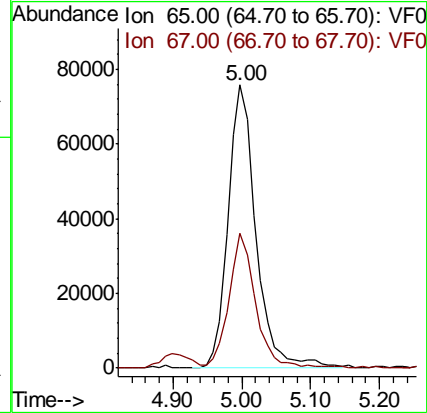
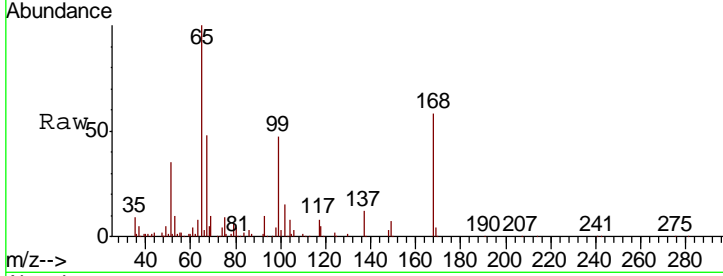




#33
 1,2-Dichloroethane-d4
 Concen: 47.589 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

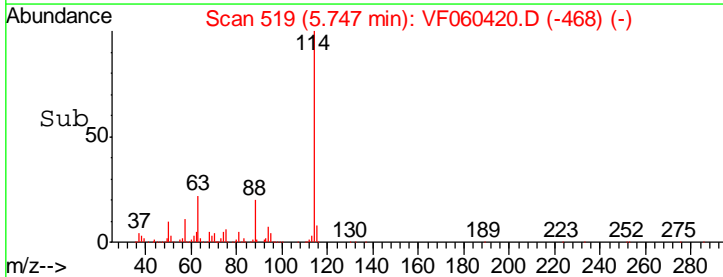
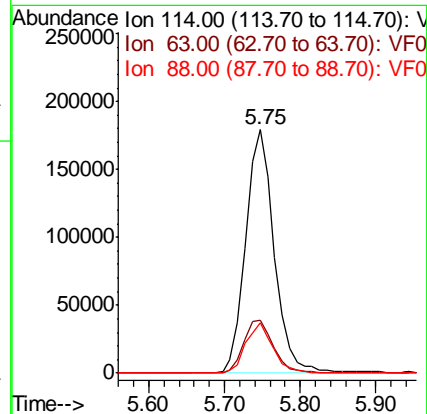
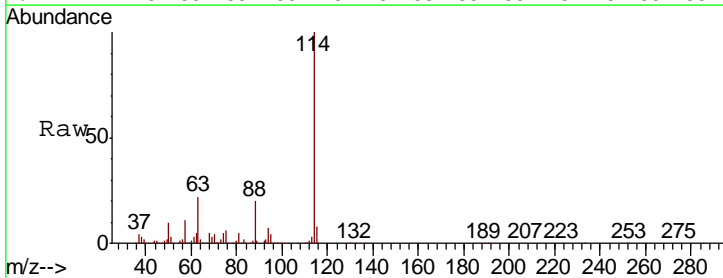
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

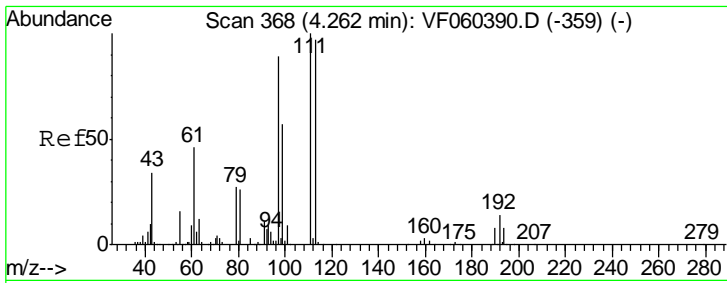
Tgt Ion: 65 Resp: 209905
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 114 Resp: 468832
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 20.4 0.0 38.8

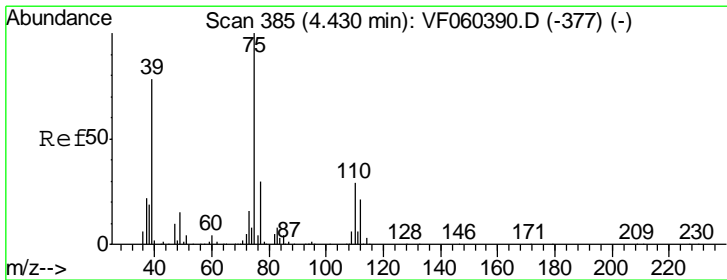
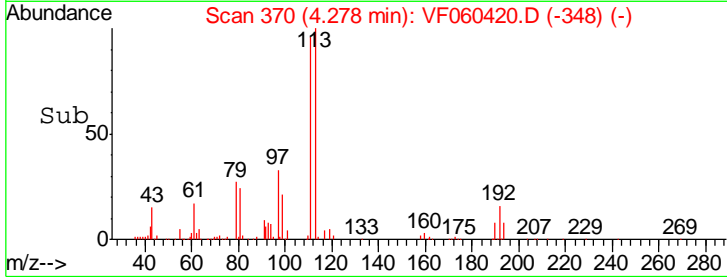
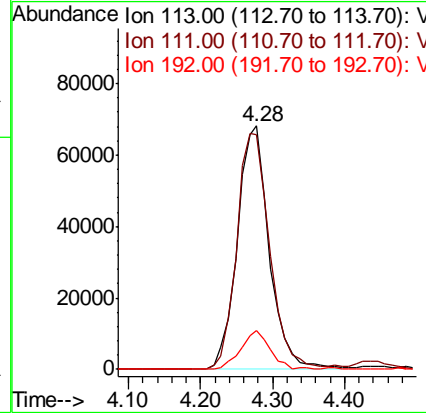
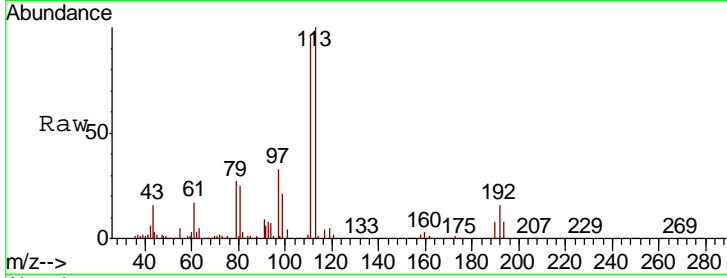




#35
 Dibromofluoromethane
 Concen: 47.701 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

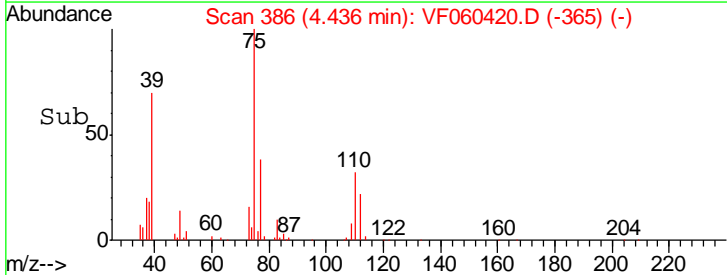
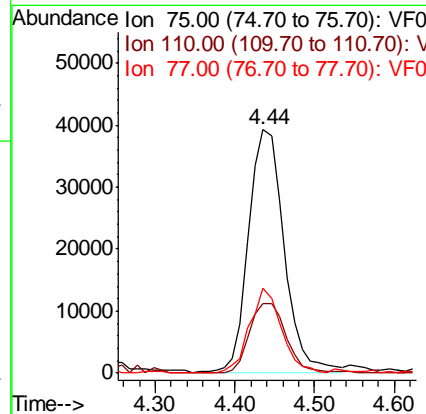
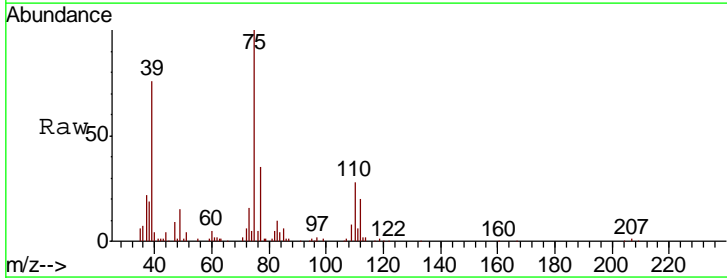
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

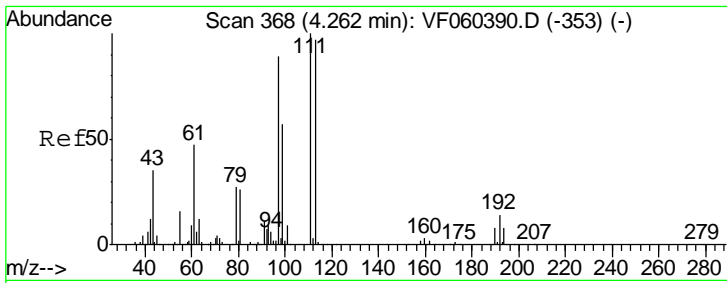
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 113 | 100 | | |
| 111 | 96.2 | 82.3 | 123.5 |
| 192 | 15.9 | 11.8 | 17.6 |



#36
 1,1-Dichloropropene
 Concen: 20.785 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 75 | 100 | | |
| 110 | 28.4 | 14.5 | 43.6 |
| 77 | 34.6 | 24.3 | 36.5 |

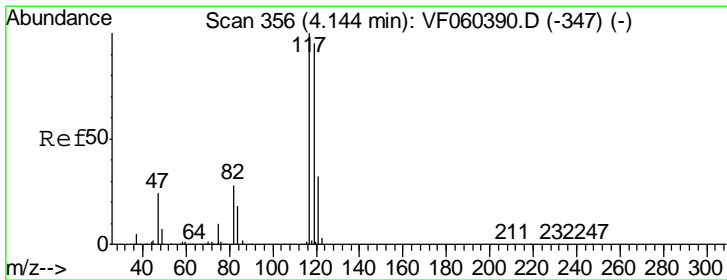
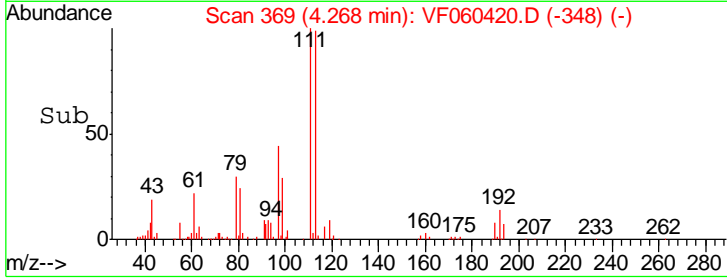
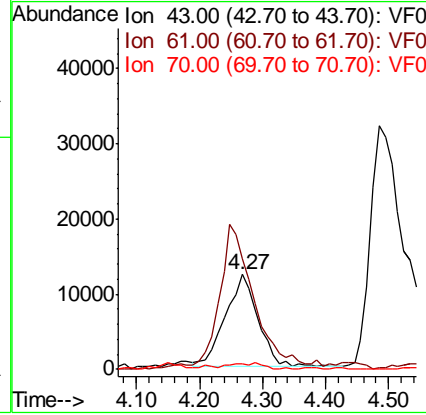
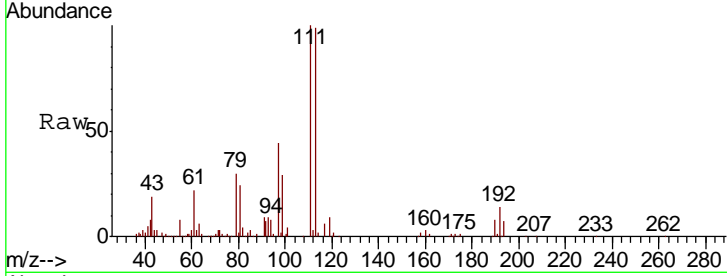




#37
 Ethyl Acetate
 Concen: 20.256 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

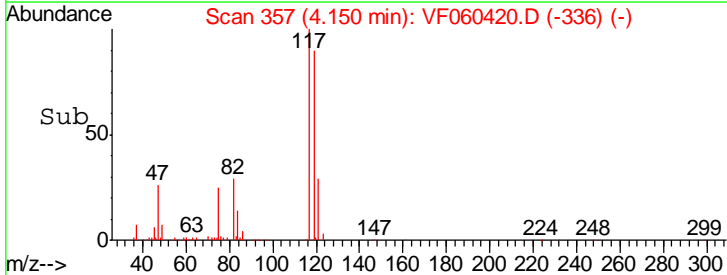
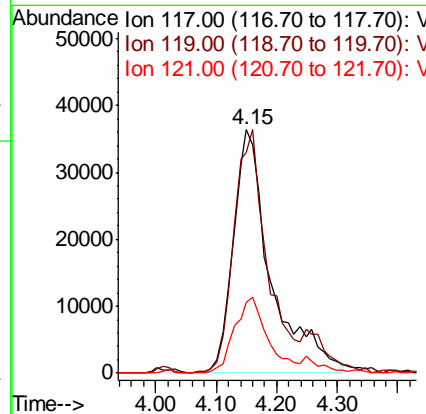
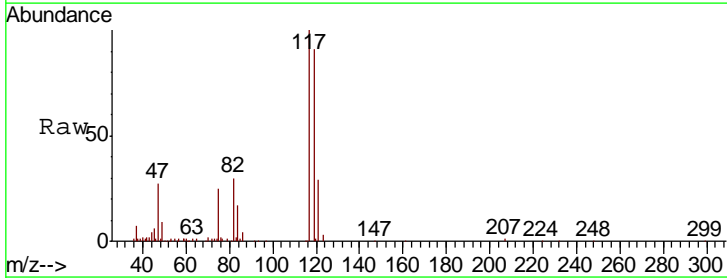
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

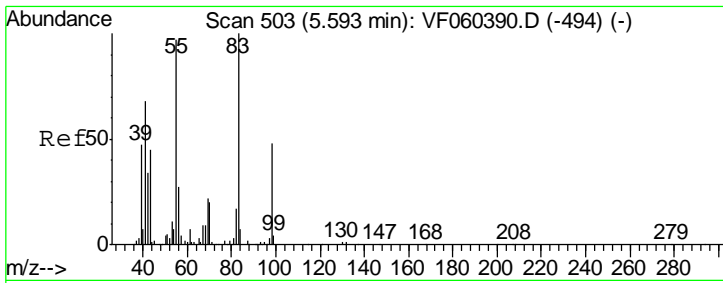
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 100 | | |
| 61 | 116.5 | 105.1 | 157.7 |
| 70 | 6.3 | 8.0 | 12.0# |



#38
 Carbon Tetrachloride
 Concen: 22.368 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 90.8 | 75.5 | 113.3 |
| 121 | 29.3 | 25.4 | 38.0 |

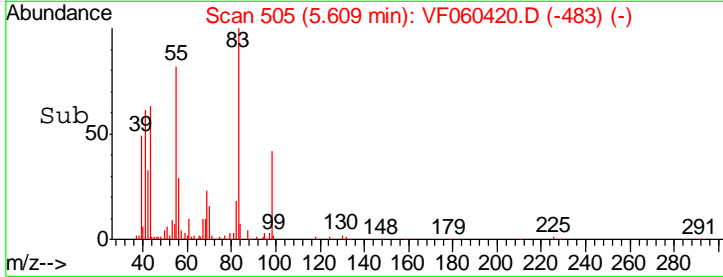
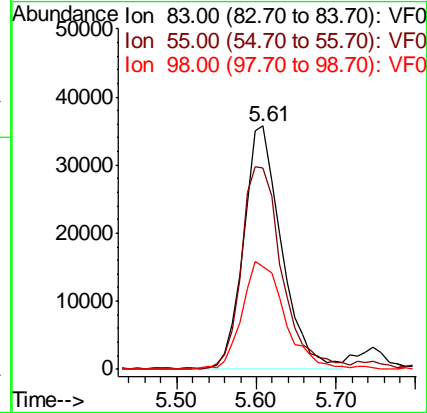
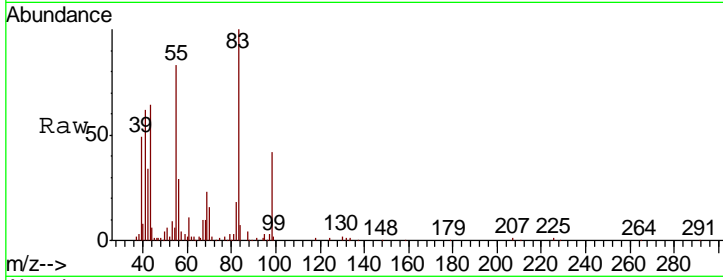




#39
 Methylcyclohexane
 Concen: 20.831 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

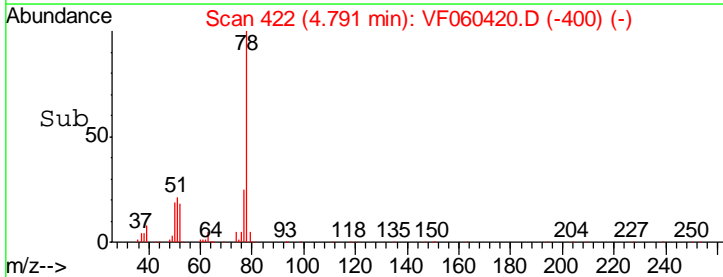
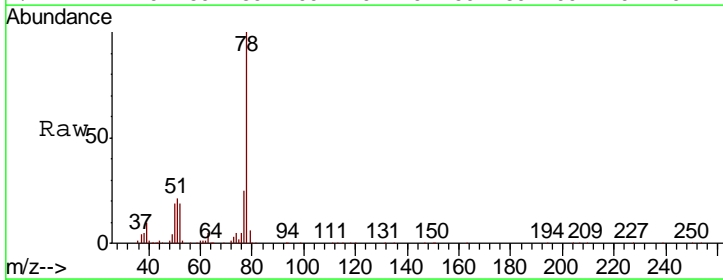
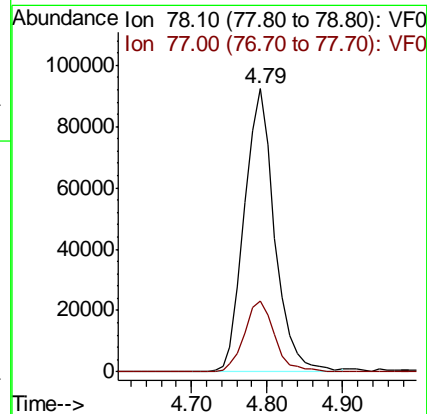
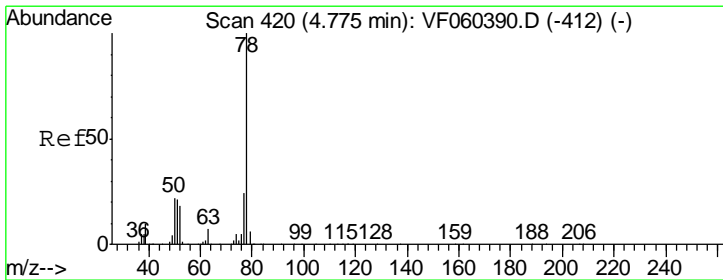
Instrument :
 MSVOA_F
 ClientSampleID :
 VF1003SBSD01

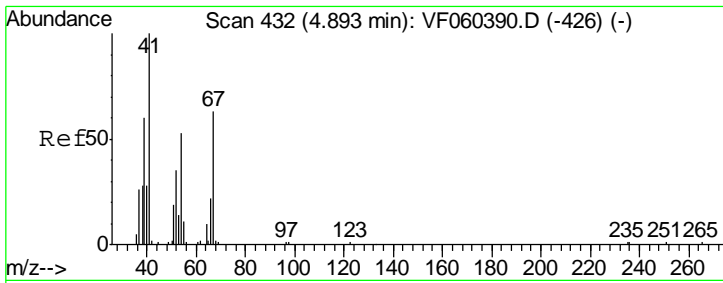
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 118044 | | |
| 55 | 82.7 | 77.5 | 116.3 |
| 98 | 42.0 | 38.7 | 58.1 |



#40
 Benzene
 Concen: 22.406 ug/l
 RT: 4.79 min Scan# 422
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 78 | 257106 | | |
| 77 | 25.0 | 19.2 | 28.8 |

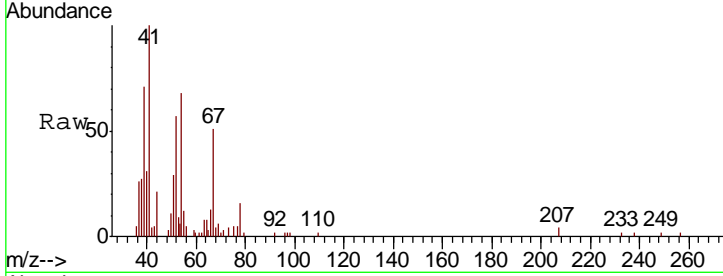




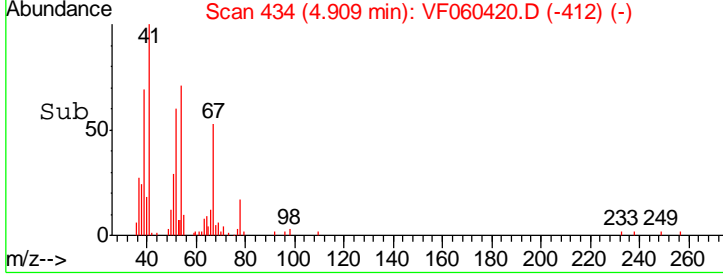
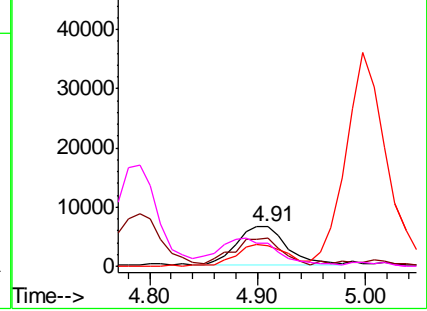
#41
 Methacrylonitrile
 Concen: 17.829 ug/l
 RT: 4.91 min Scan# 434
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 41 | 100 | | |
| 39 | 71.0 | 55.0 | 82.4 |
| 67 | 51.0 | 49.6 | 74.4 |
| 52 | 57.4 | 38.8 | 58.2 |

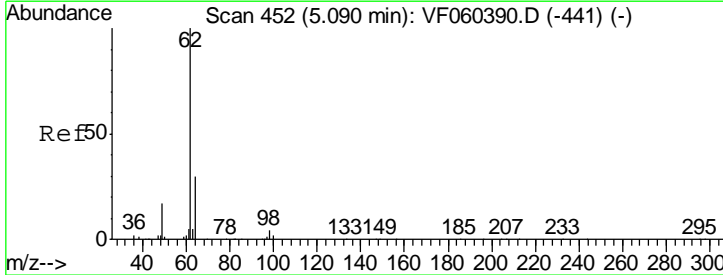


Abundance Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0
 Ion 67.00 (66.70 to 67.70): VF0
 Ion 52.00 (51.70 to 52.70): VF0

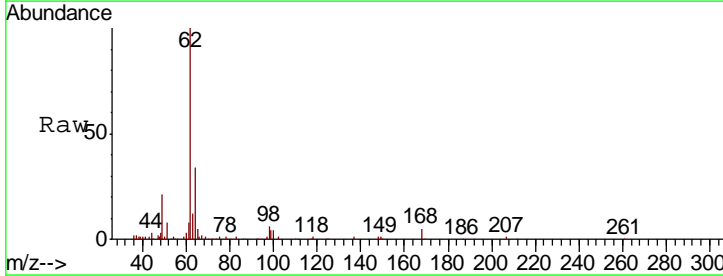
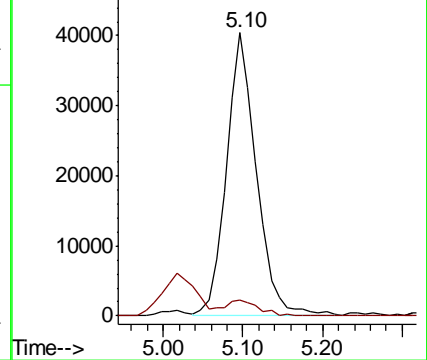


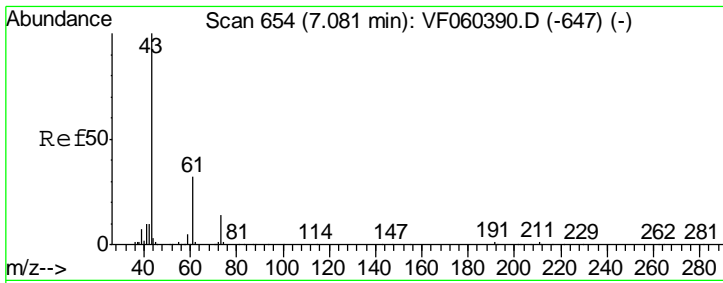
#42
 1,2-Dichloroethane
 Concen: 19.520 ug/l
 RT: 5.10 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 5.7 | 0.0 | 11.2 |



Abundance Ion 62.00 (61.70 to 62.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0

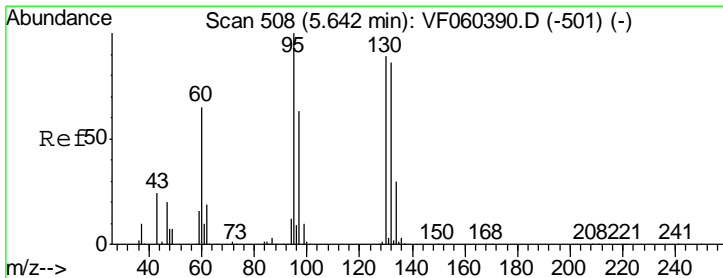
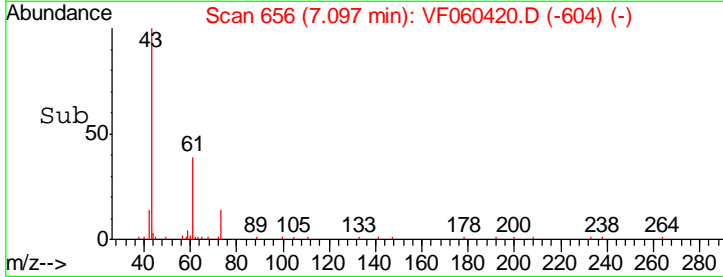
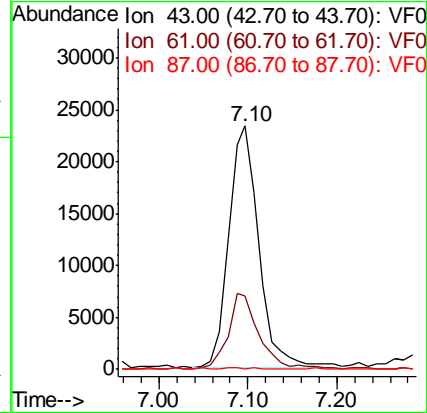
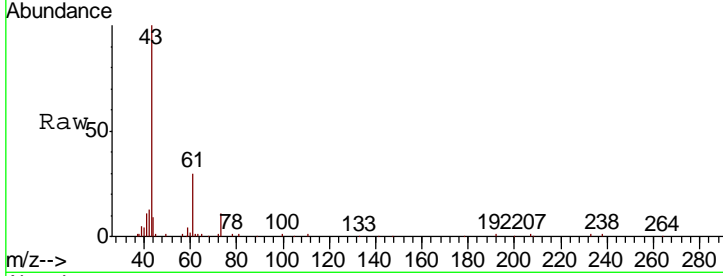




#43
 Isopropyl Acetate
 Concen: 20.500 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

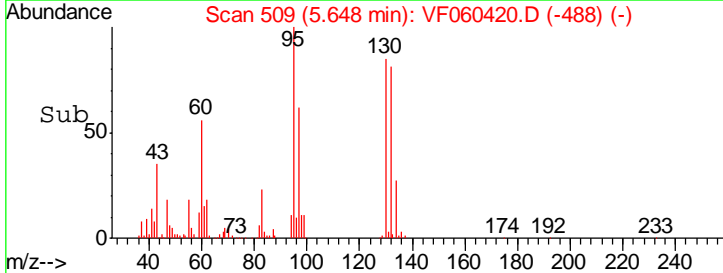
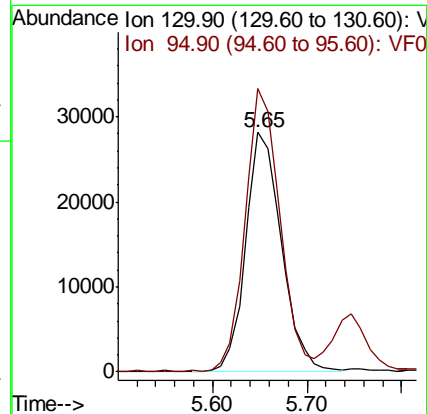
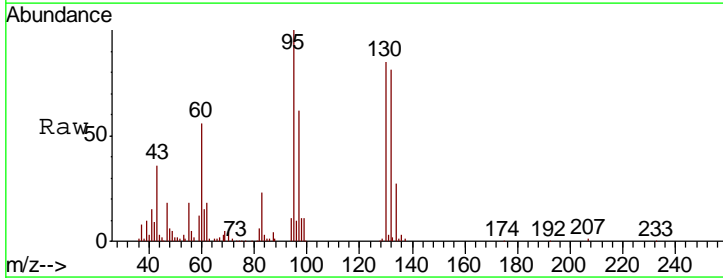
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

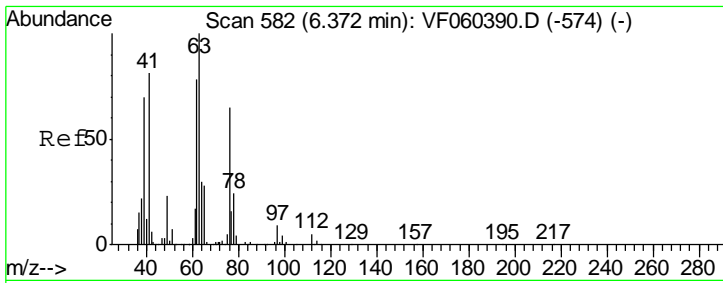
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 54836 | | |
| 61 | 30.1 | 25.4 | 38.2 |
| 87 | 0.0 | 0.3 | 0.5# |



#44
 Trichloroethene
 Concen: 20.179 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 130 | 74299 | | |
| 95 | 118.1 | 0.0 | 224.4 |

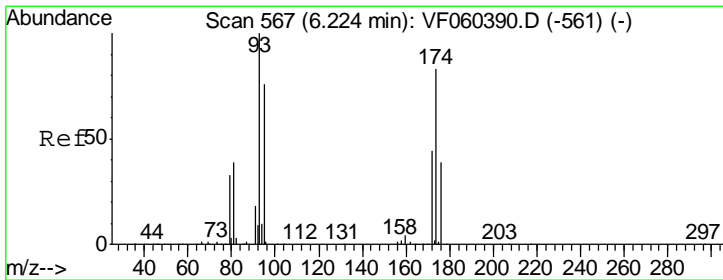
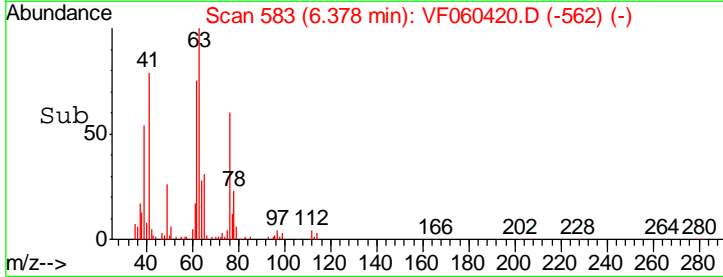
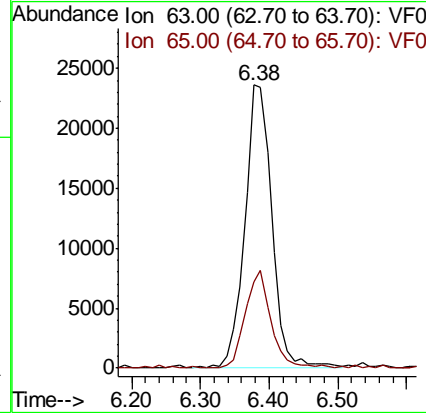
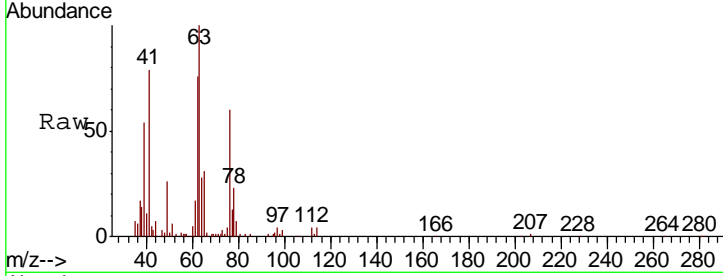




#45
 1,2-Dichloropropane
 Concen: 21.099 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

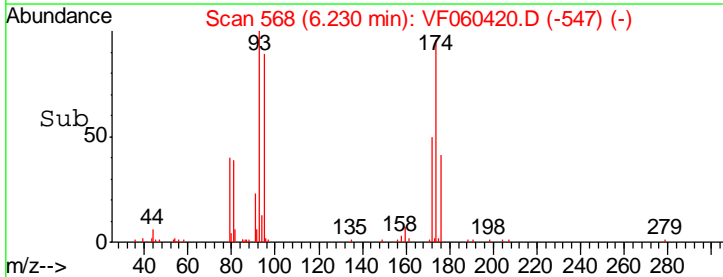
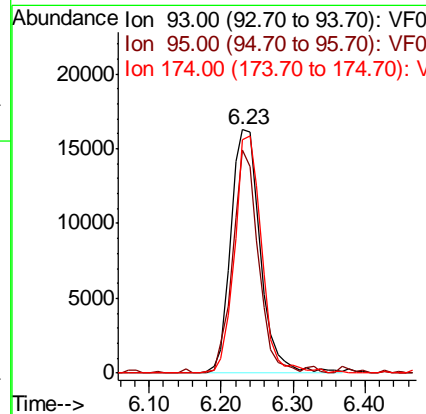
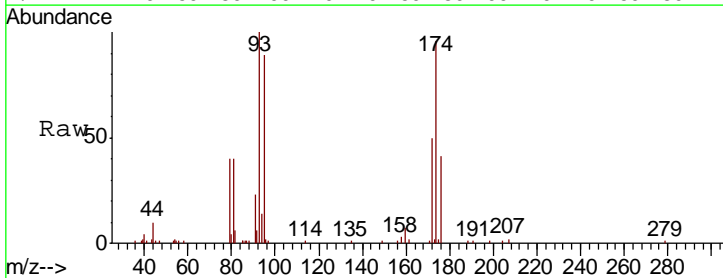
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

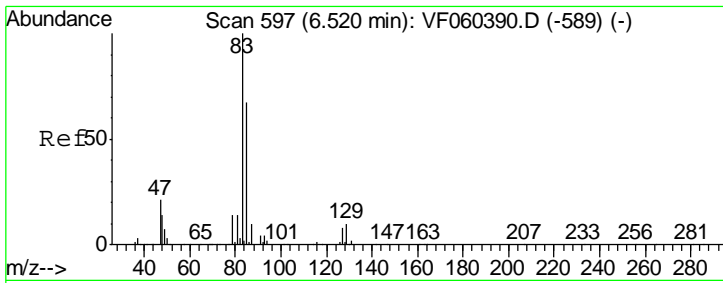
Tgt Ion: 63 Resp: 64477
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.7 34.1



#46
 Dibromomethane
 Concen: 18.876 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 93 Resp: 46379
 Ion Ratio Lower Upper
 93 100
 95 91.7 61.1 91.7
 174 97.2 66.7 100.1

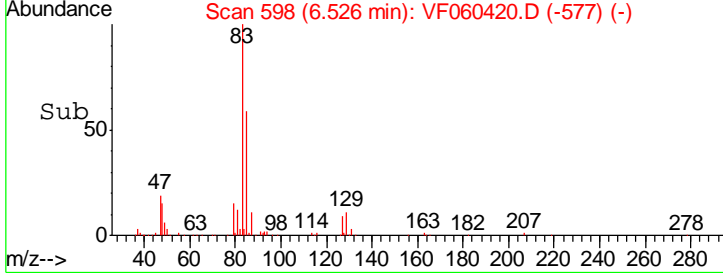
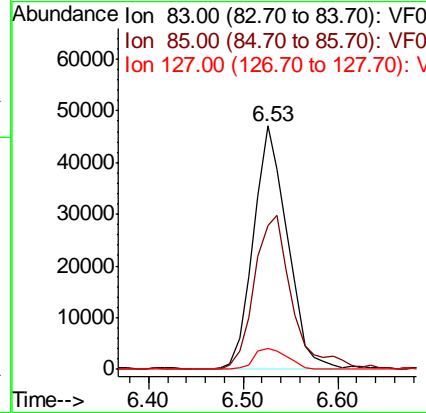
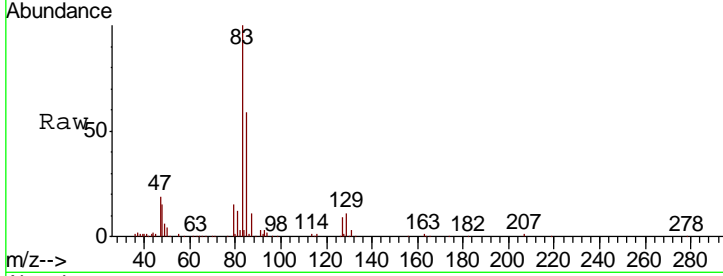




#47
 Bromodichloromethane
 Concen: 19.273 ug/l
 RT: 6.53 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

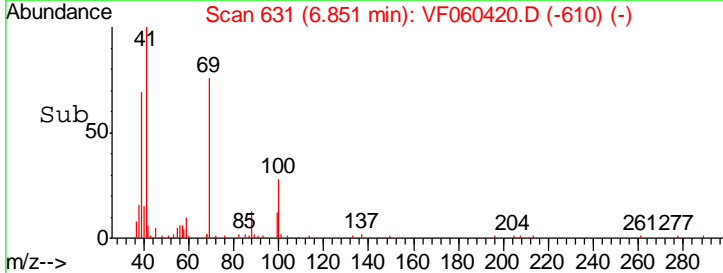
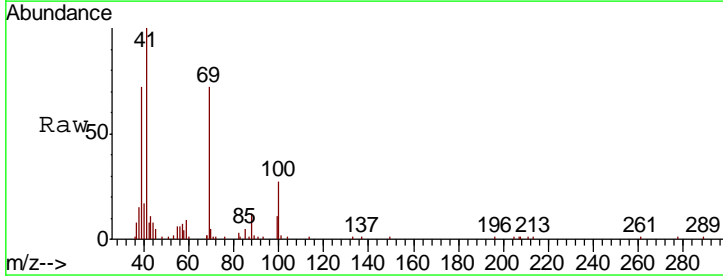
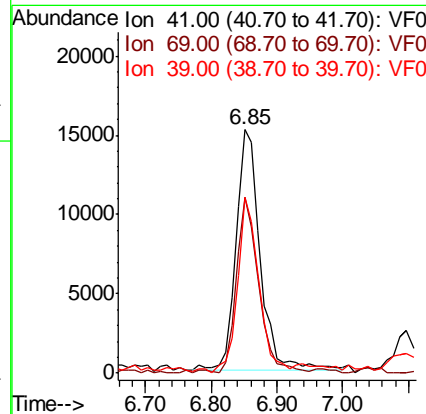
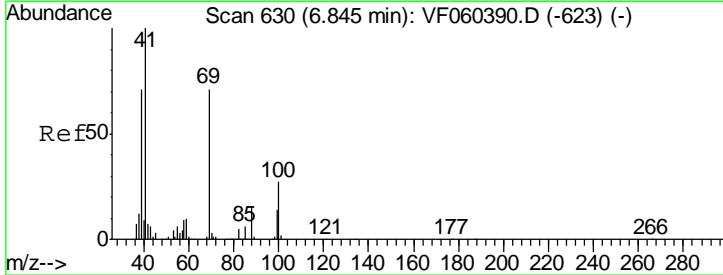
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

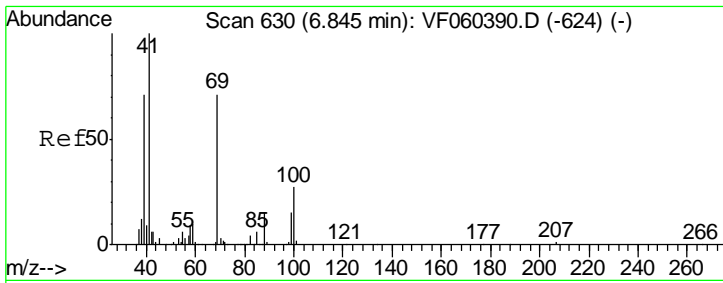
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 117275 | | |
| 85 | 59.1 | 53.2 | 79.8 |
| 127 | 9.9 | 6.6 | 9.8# |



#48
 Methyl methacrylate
 Concen: 20.497 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 41 | 39359 | | |
| 69 | 72.1 | 56.3 | 84.5 |
| 39 | 71.9 | 56.9 | 85.3 |

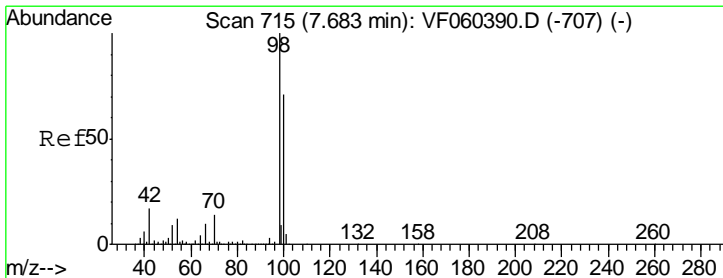
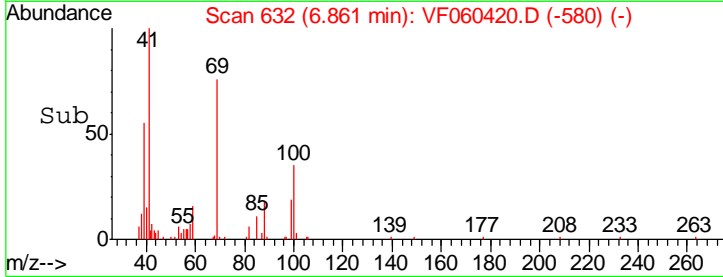
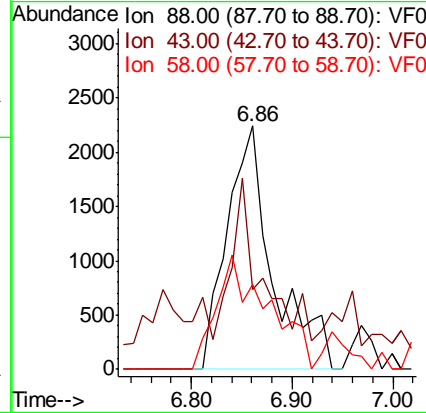
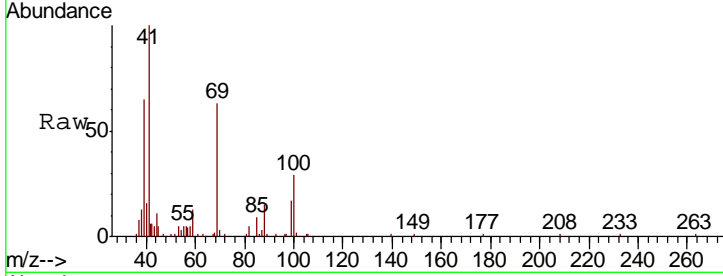




#49
 1,4-Dioxane
 Concen: 429.685 ug/l
 RT: 6.86 min Scan# 632
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

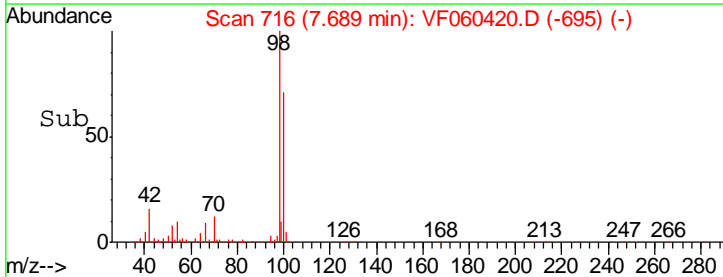
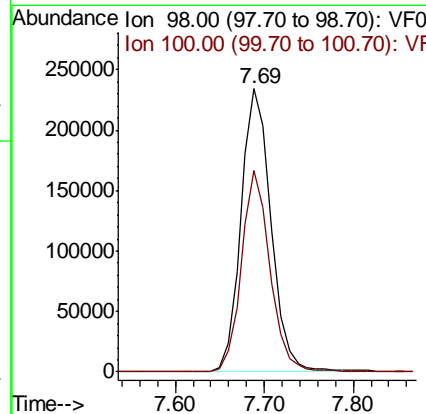
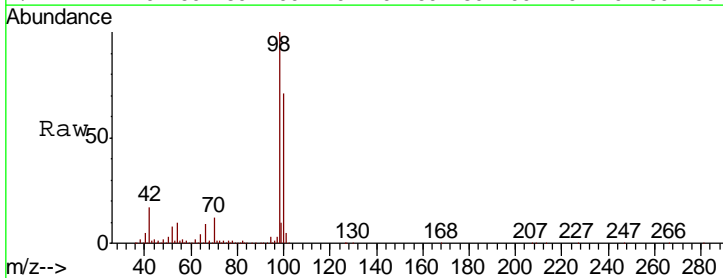
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

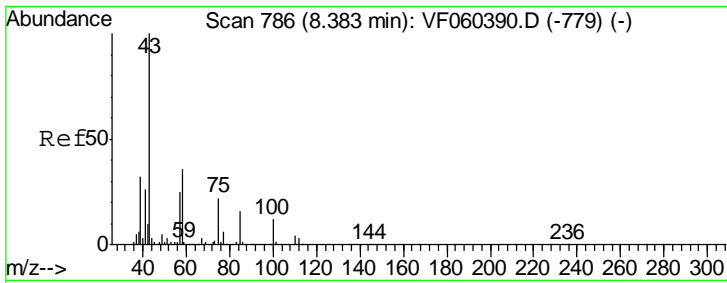
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 88 | 100 | | |
| 43 | 32.9 | 38.3 | 57.5# |
| 58 | 34.7 | 47.4 | 71.2# |



#50
 Toluene-d8
 Concen: 50.509 ug/l
 RT: 7.69 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 98 | 100 | | |
| 100 | 71.2 | 56.5 | 84.7 |

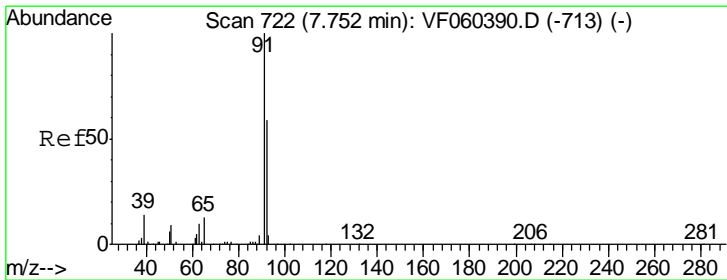
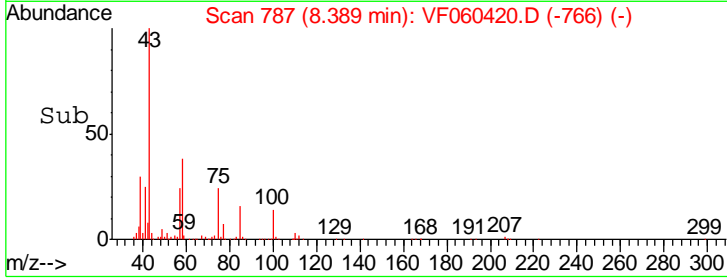
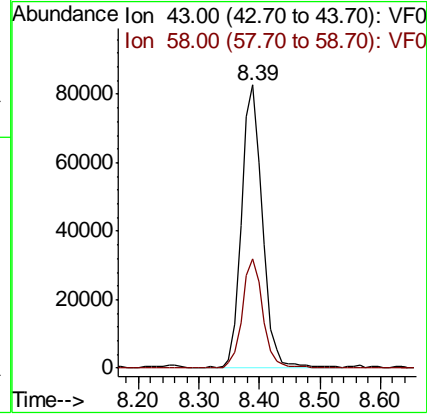
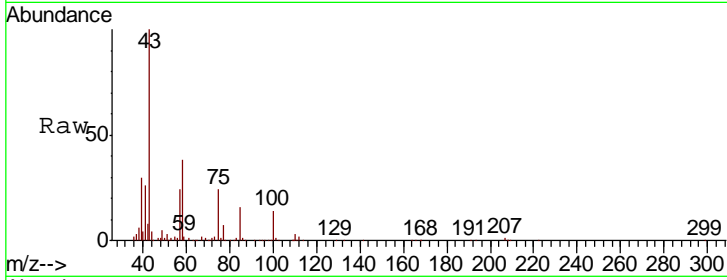




#51
 4-Methyl-2-Pentanone
 Concen: 104.456 ug/l
 RT: 8.39 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

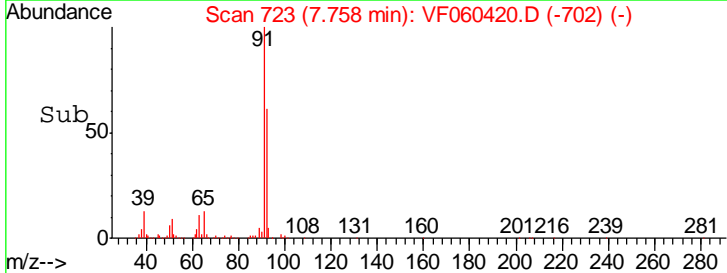
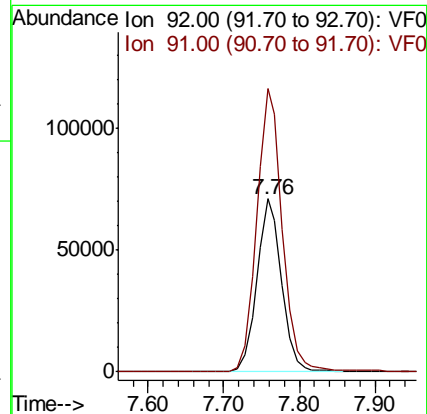
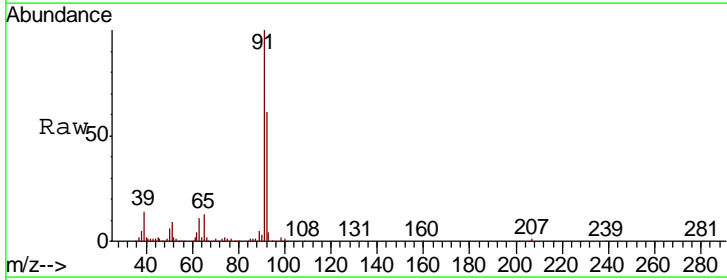
Instrument : MSVOA_F
 ClientSampleId : VF1003SBSD01

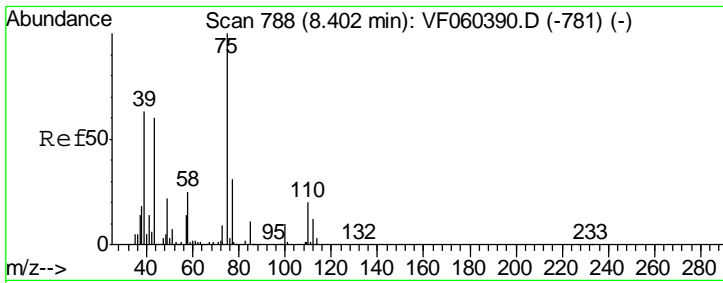
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 198902 | | |
| 58 | 38.4 | 28.5 | 42.7 |



#52
 Toluene
 Concen: 20.821 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 92 | 162282 | | |
| 91 | 163.6 | 135.4 | 203.0 |

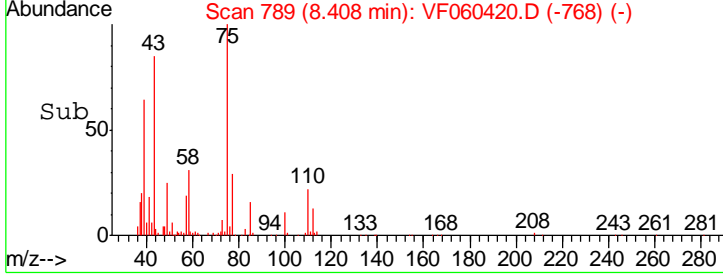
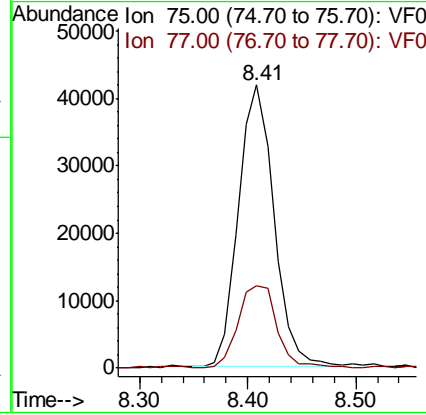
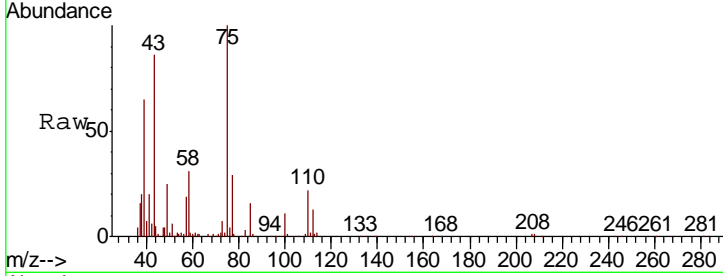




#53
 t-1,3-Dichloropropene
 Concen: 20.108 ug/l
 RT: 8.41 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

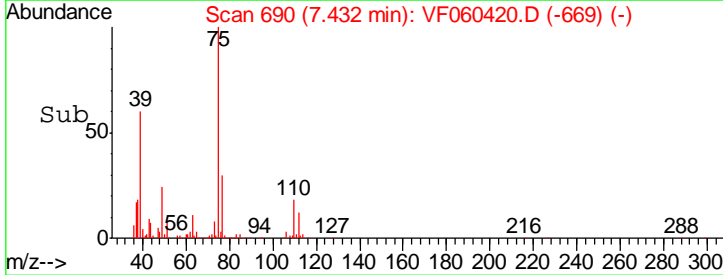
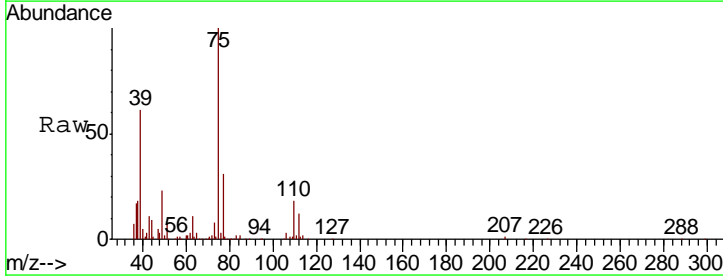
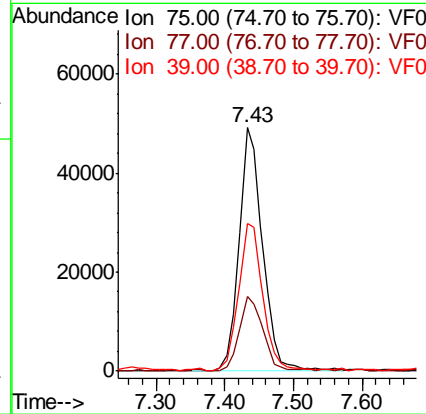
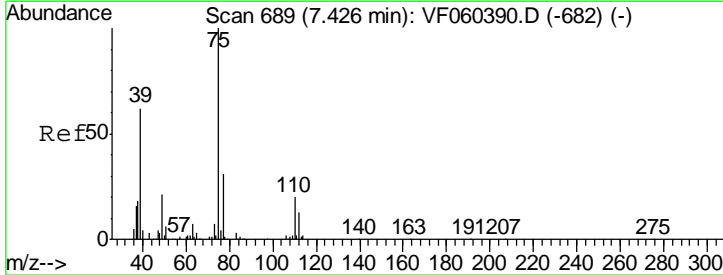
Instrument :
 MSVOA_F
ClientSampleId :
 VF1003SBSD01

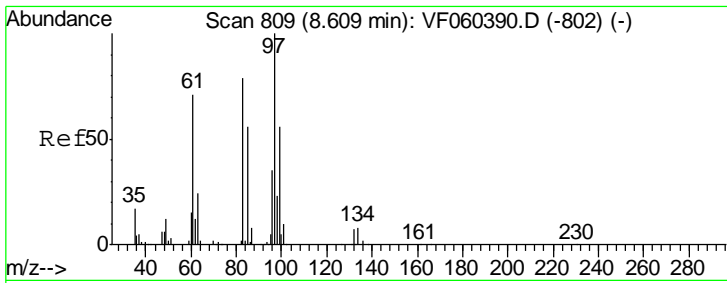
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 75 | 95891 | | |
| 77 | 29.3 | 24.6 | 36.8 |



#54
 cis-1,3-Dichloropropene
 Concen: 20.798 ug/l
 RT: 7.43 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 75 | 115915 | | |
| 77 | 30.5 | 25.2 | 37.8 |
| 39 | 60.8 | 49.7 | 74.5 |

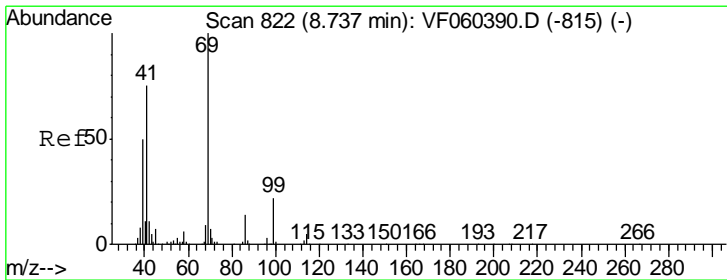
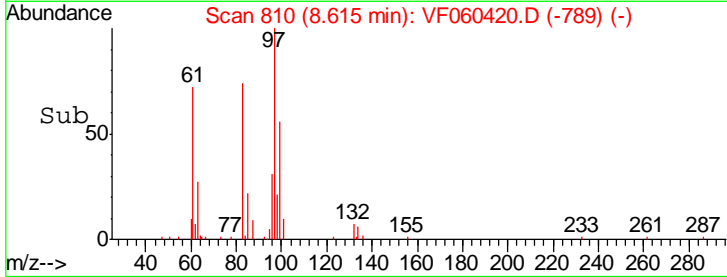
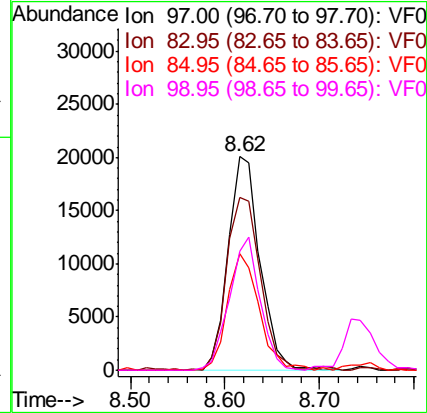
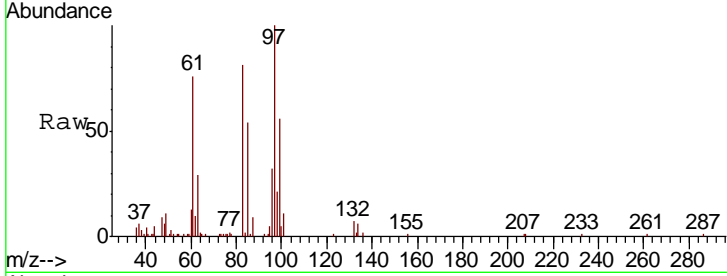




#55
 1,1,2-Trichloroethane
 Concen: 18.987 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

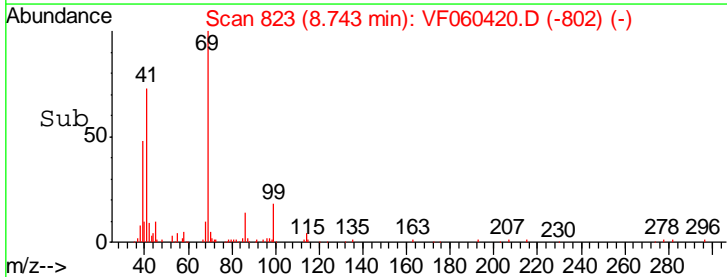
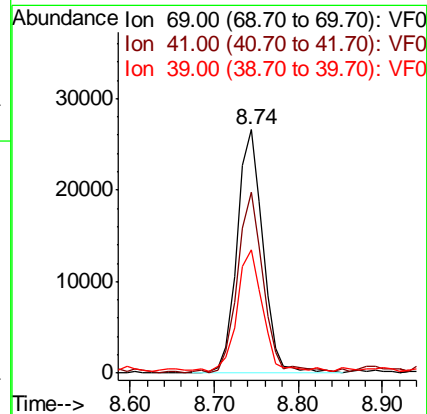
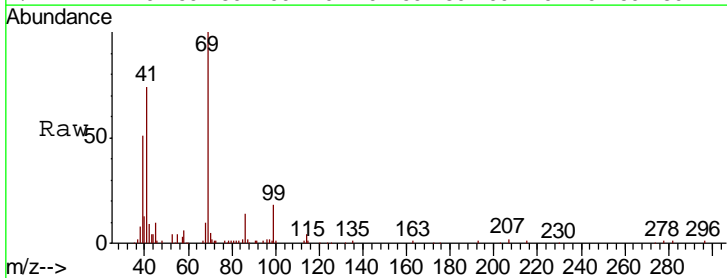
Instrument : MSVOA_F
 ClientSampleId : VF1003SBSD01

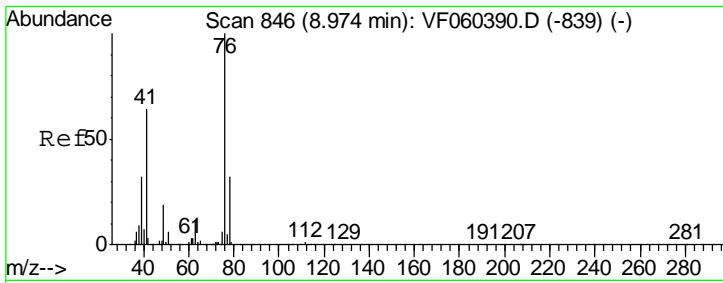
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 97 | 46908 | | |
| 83 | 80.8 | 63.4 | 95.0 |
| 85 | 54.3 | 44.5 | 66.7 |
| 99 | 55.7 | 45.1 | 67.7 |



#56
 Ethyl methacrylate
 Concen: 20.324 ug/l
 RT: 8.74 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 69 | 57056 | | |
| 41 | 74.5 | 60.2 | 90.4 |
| 39 | 50.5 | 40.2 | 60.2 |

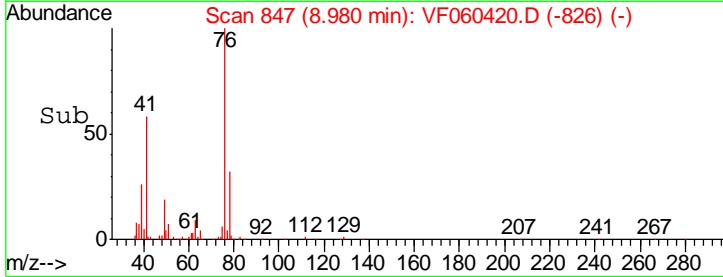
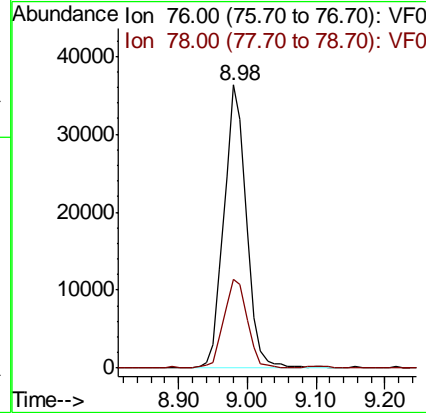
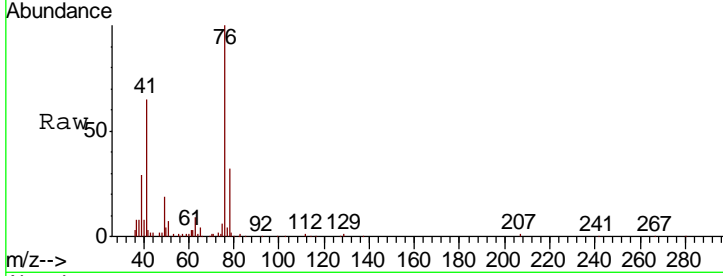




#57
 1,3-Dichloropropane
 Concen: 19.646 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

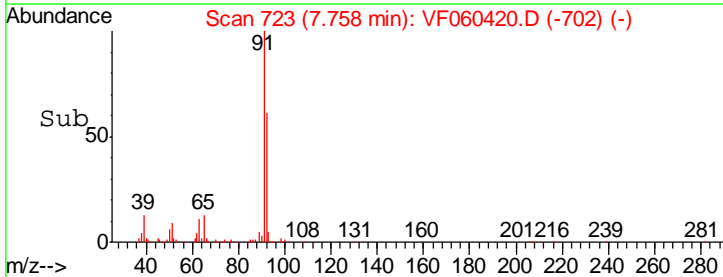
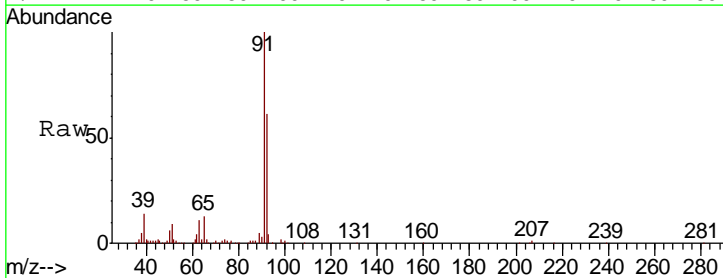
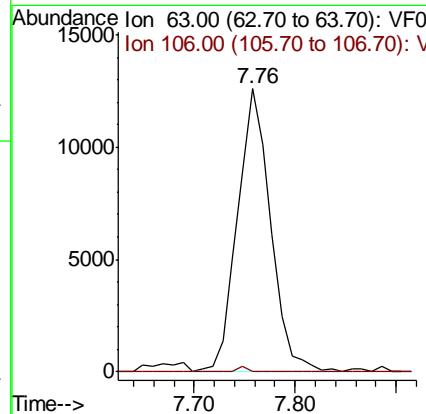
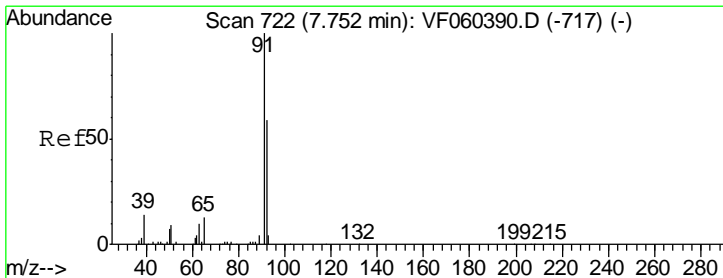
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

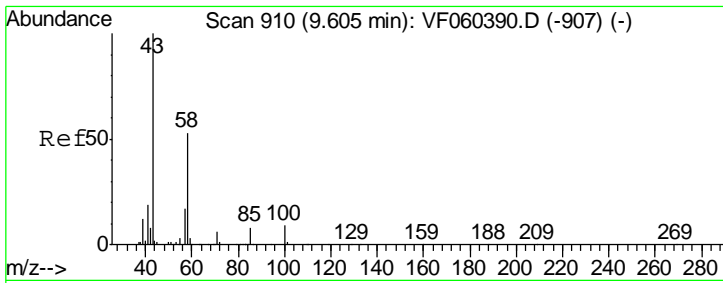
Tgt Ion: 76 Resp: 82111
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.306 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 63 Resp: 28763
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

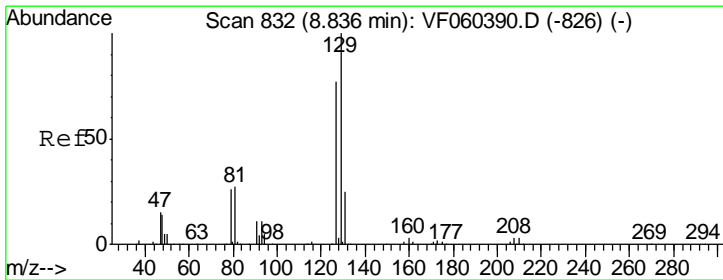
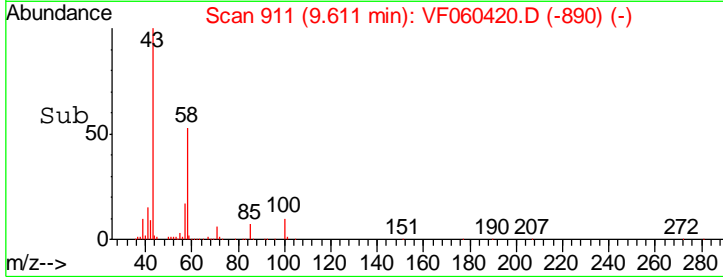
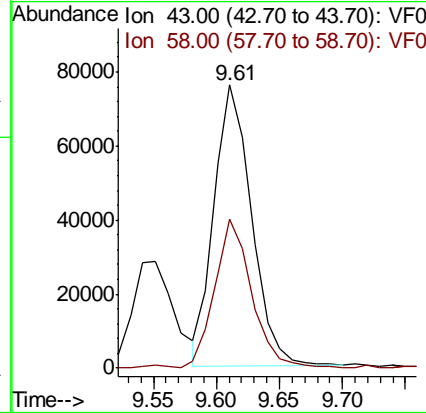
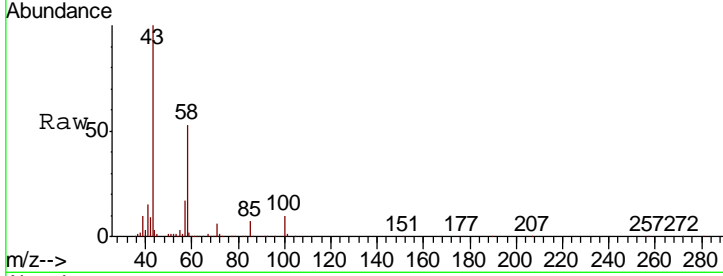




#59
 2-Hexanone
 Concen: 112.446 ug/l
 RT: 9.61 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

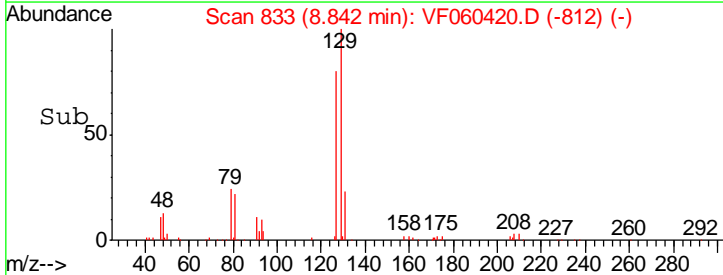
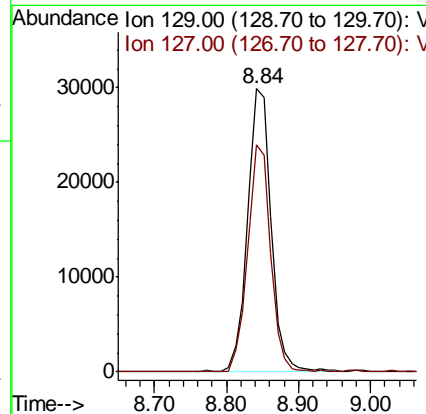
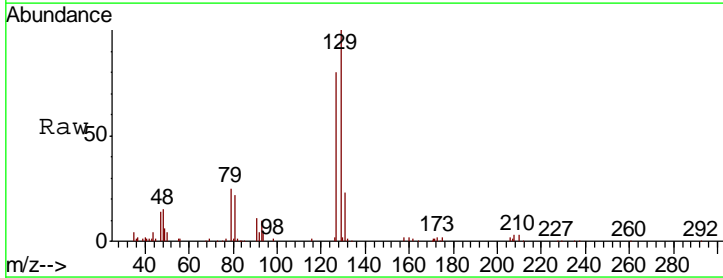
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

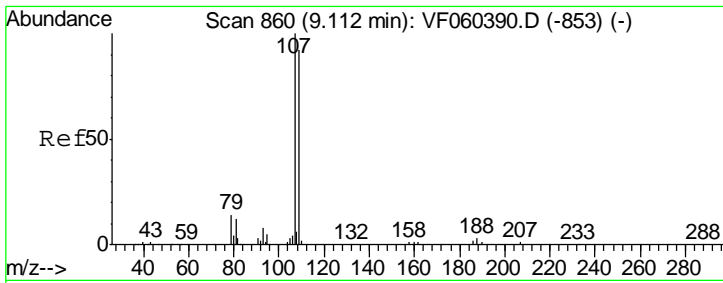
Tgt Ion: 43 Resp: 157051
 Ion Ratio Lower Upper
 43 100
 58 52.8 25.6 76.6



#60
 Dibromochloromethane
 Concen: 18.491 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 129 Resp: 68783
 Ion Ratio Lower Upper
 129 100
 127 80.4 38.3 114.8

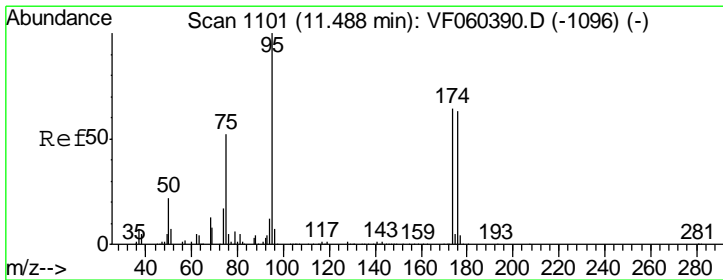
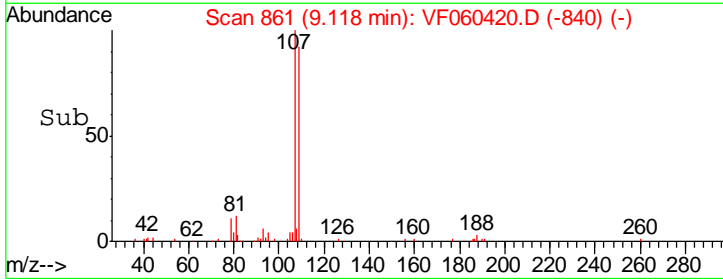
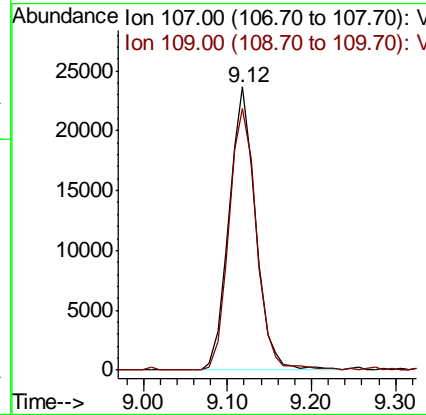
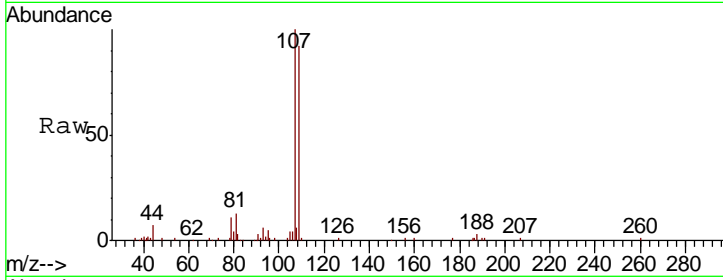




#61
 1,2-Dibromoethane
 Concen: 19.281 ug/l
 RT: 9.12 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

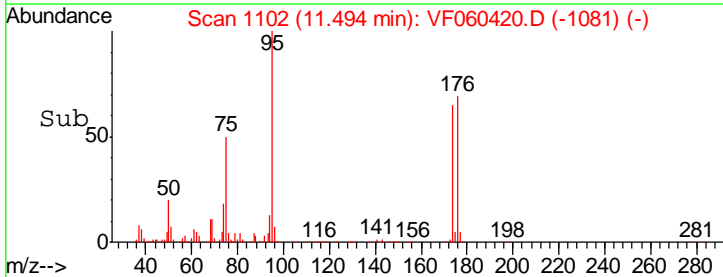
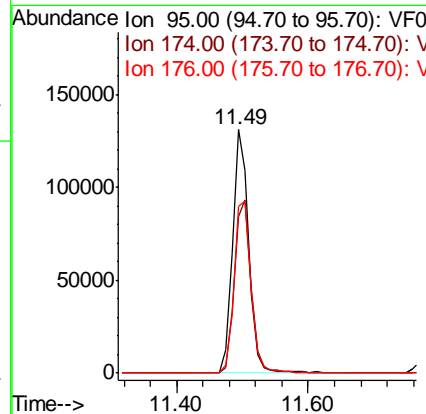
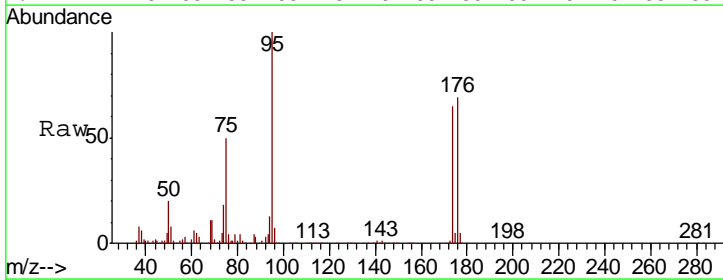
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

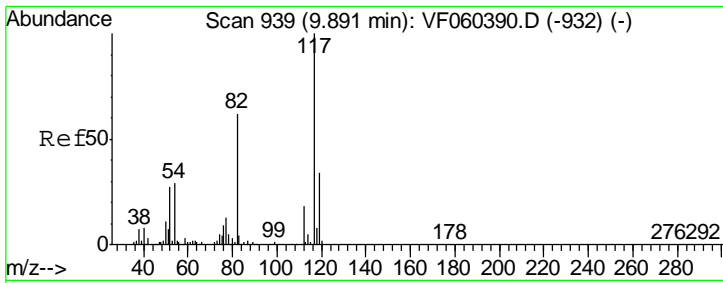
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 107 | 52122 | | |
| 109 | 92.2 | 73.7 | 110.5 |



#62
 4-Bromofluorobenzene
 Concen: 45.562 ug/l
 RT: 11.49 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 95 | 225656 | | |
| 174 | 64.6 | 0.0 | 129.0 |
| 176 | 68.6 | 0.0 | 125.6 |

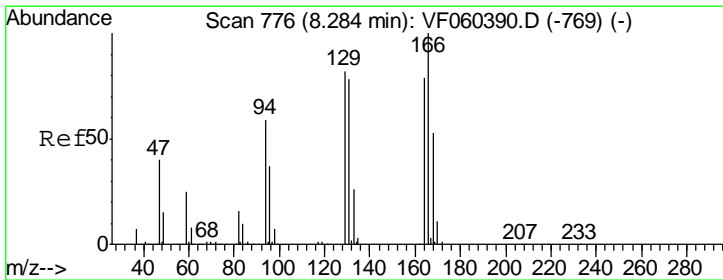
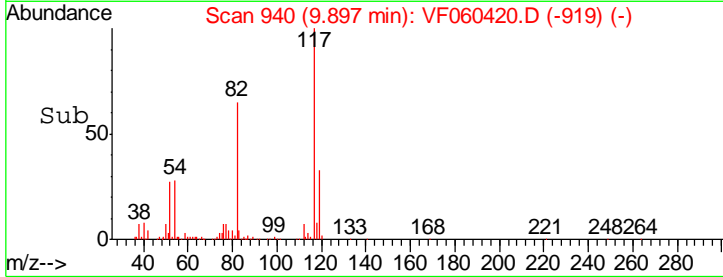
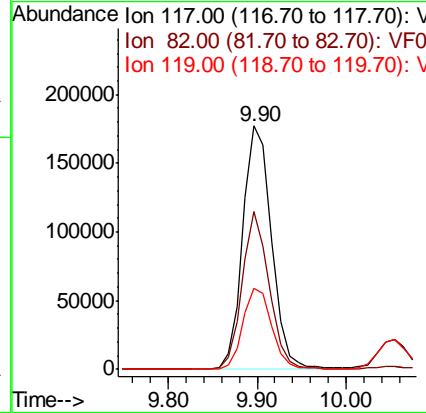
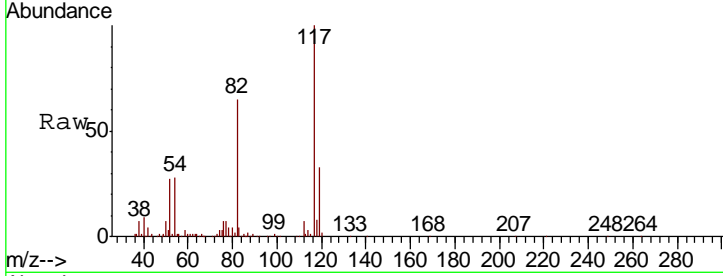




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.90 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

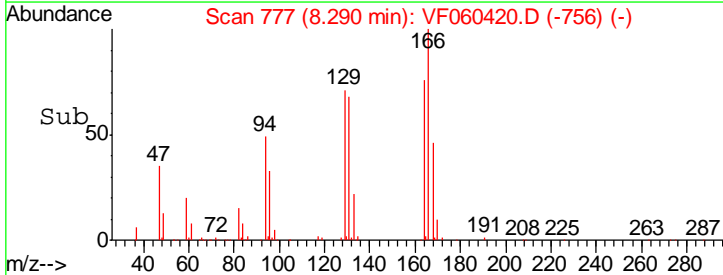
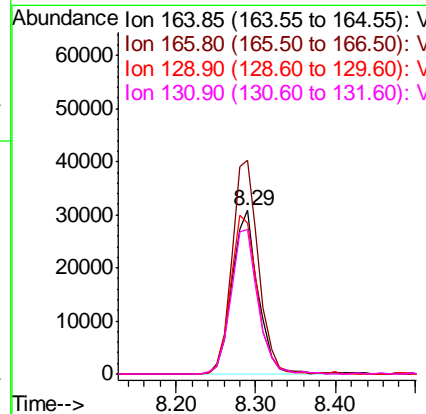
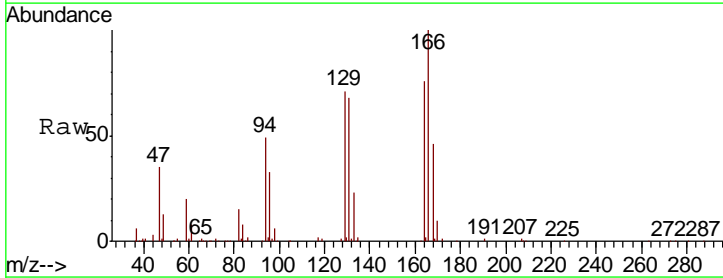
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

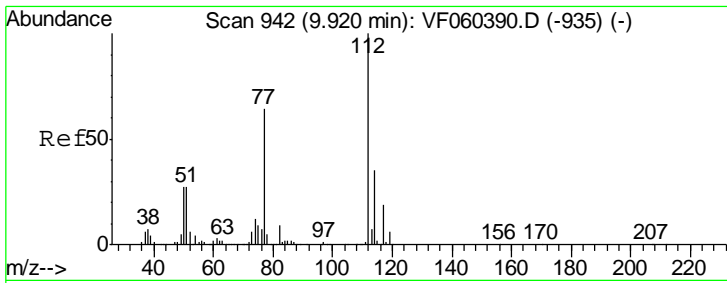
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 117 | 398620 | | |
| 82 | 64.8 | 49.5 | 74.3 |
| 119 | 33.0 | 27.0 | 40.6 |



#64
 Tetrachloroethene
 Concen: 22.285 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 70618 | | |
| 166 | 130.8 | 101.0 | 151.6 |
| 129 | 92.9 | 82.5 | 123.7 |
| 131 | 88.9 | 79.2 | 118.8 |



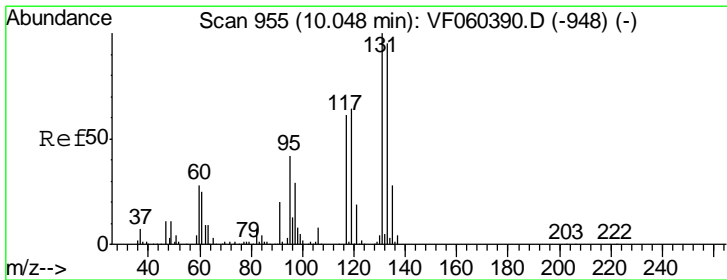
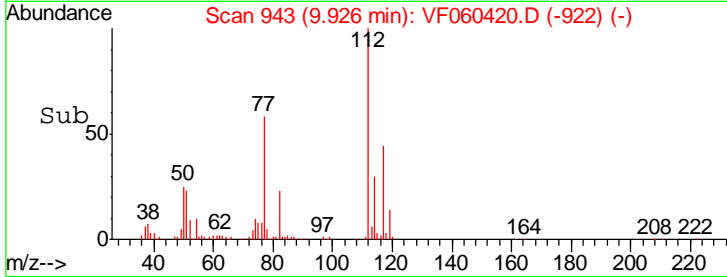
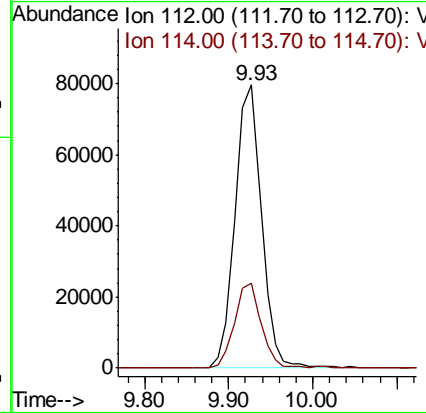
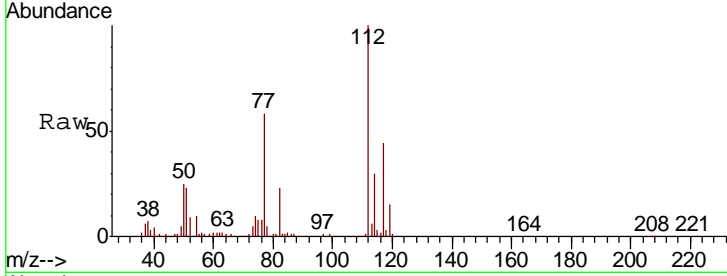


#65
 Chlorobenzene
 Concen: 21.464 ug/l
 RT: 9.93 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument : MSVOA_F
 ClientSampleId : VF1003SBSD01

Tgt Ion:112 Resp: 175756

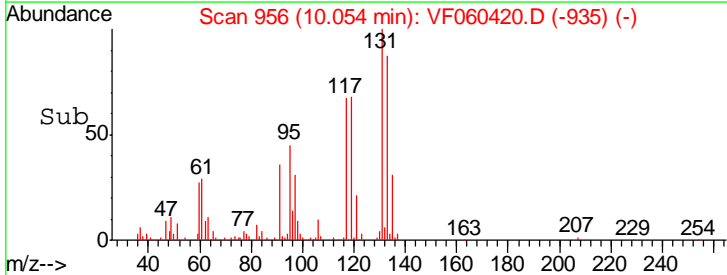
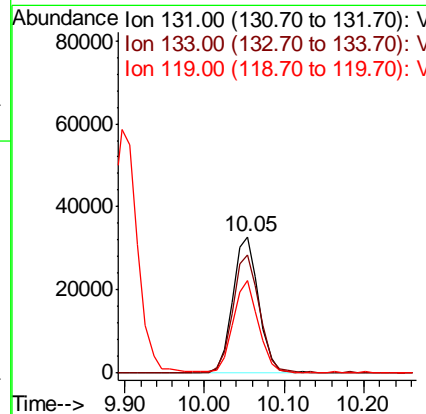
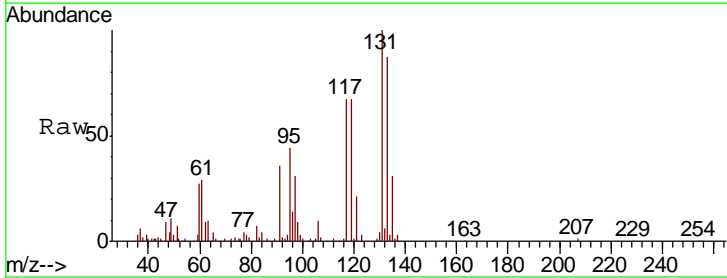
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100 | | |
| 114 | 30.1 | 27.7 | 41.5 |

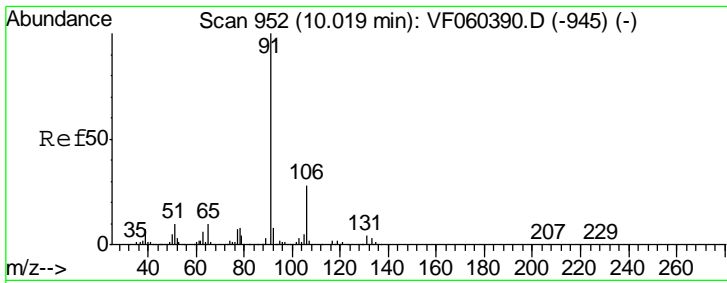


#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.890 ug/l
 RT: 10.05 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion:131 Resp: 74690

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100 | | |
| 133 | 86.6 | 47.3 | 141.8 |
| 119 | 67.4 | 32.3 | 96.9 |

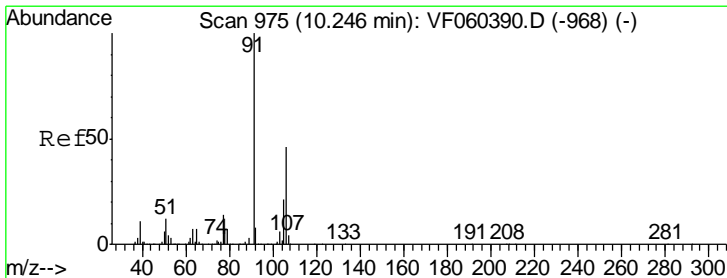
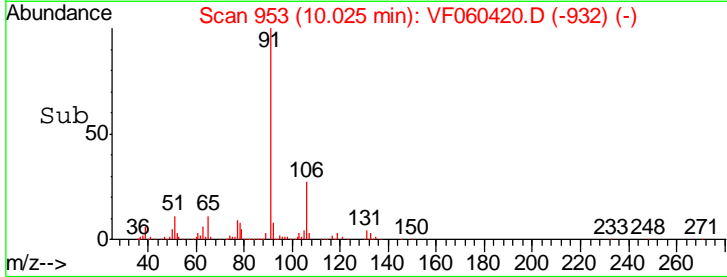
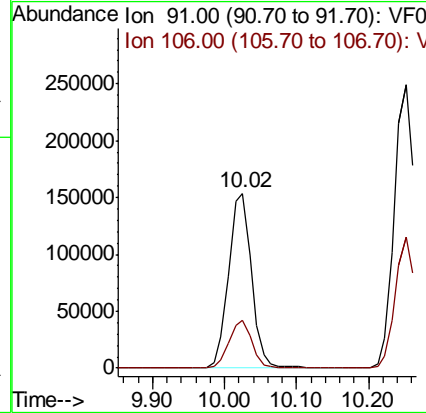
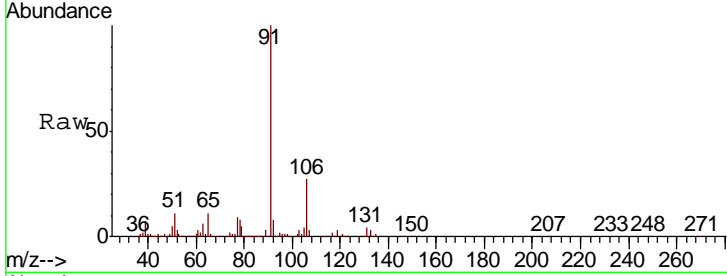




#67
 Ethyl Benzene
 Concen: 21.871 ug/l
 RT: 10.02 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

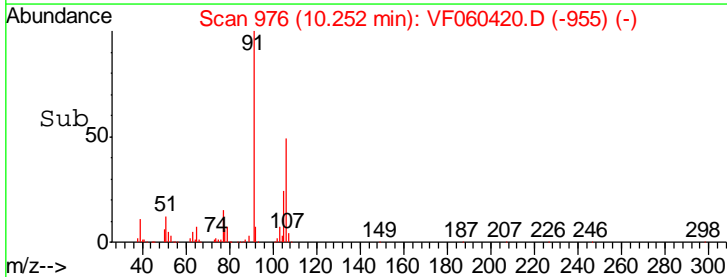
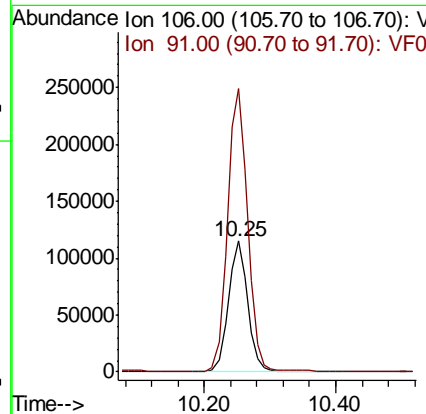
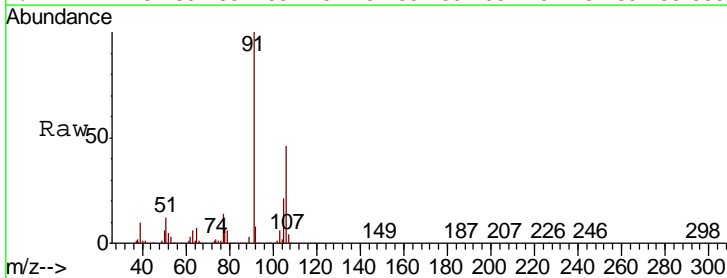
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

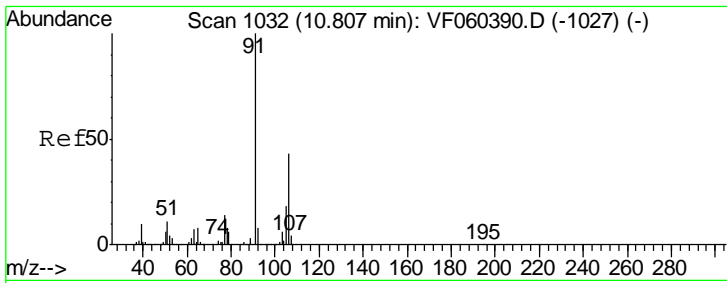
Tgt Ion: 91 Resp: 340514
 Ion Ratio Lower Upper
 91 100
 106 27.5 22.5 33.7



#68
 m/p-Xylenes
 Concen: 43.975 ug/l
 RT: 10.25 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 106 Resp: 235364
 Ion Ratio Lower Upper
 106 100
 91 216.4 175.0 262.6

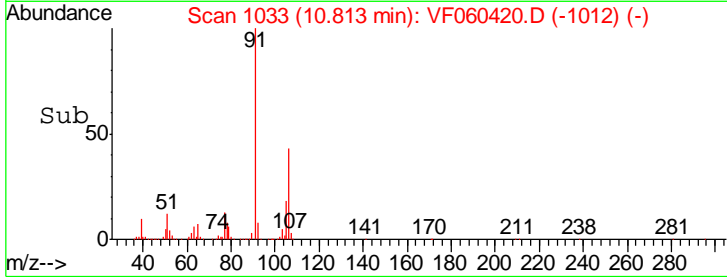
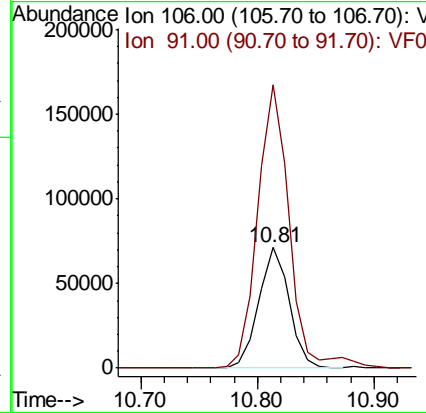
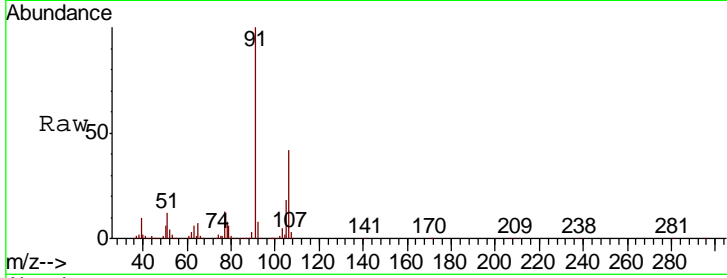




#69
 o-Xylene
 Concen: 22.237 ug/l
 RT: 10.81 min Scan# 1033
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

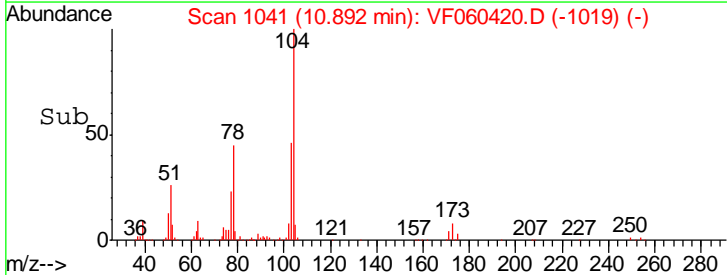
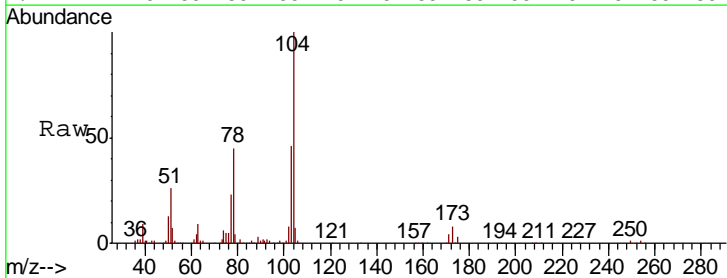
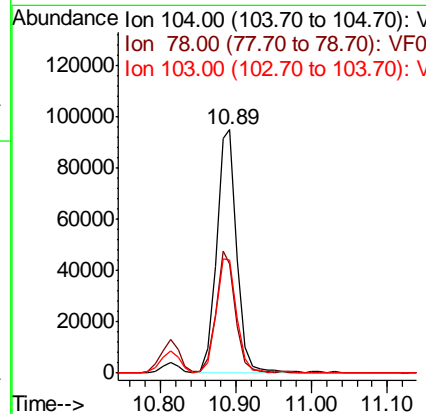
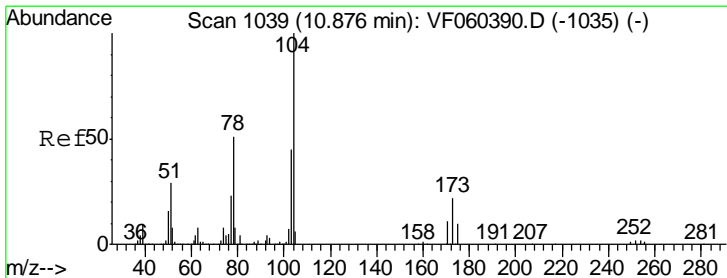
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

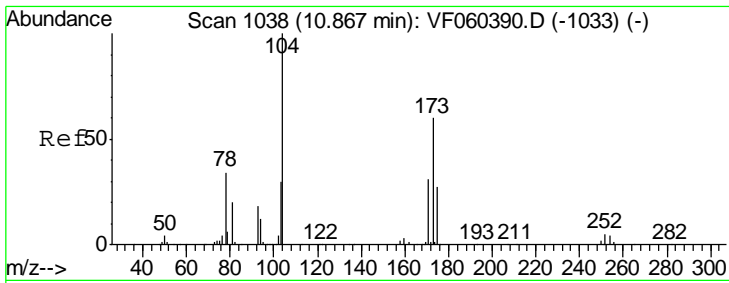
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 106 | 129732 | | |
| 91 | 235.4 | 115.1 | 345.2 |



#70
 Styrene
 Concen: 21.322 ug/l
 RT: 10.89 min Scan# 1041
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 104 | 176939 | | |
| 78 | 44.6 | 41.0 | 61.4 |
| 103 | 46.4 | 36.4 | 54.6 |

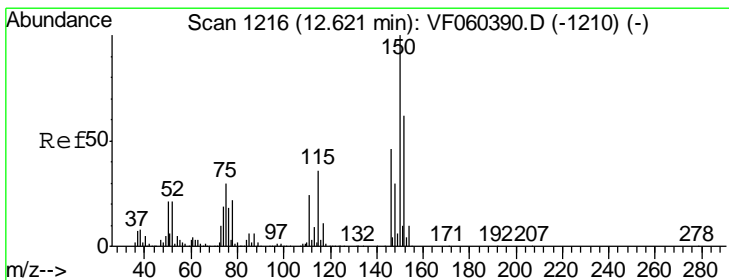
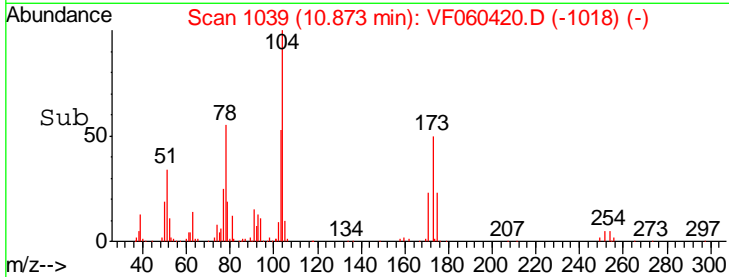
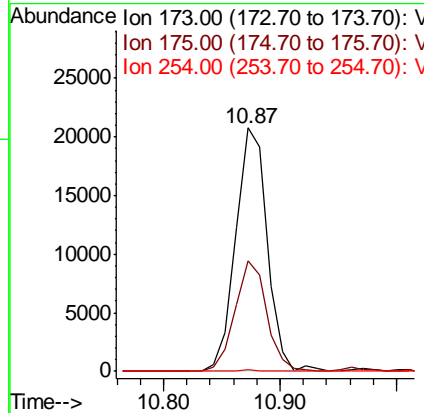
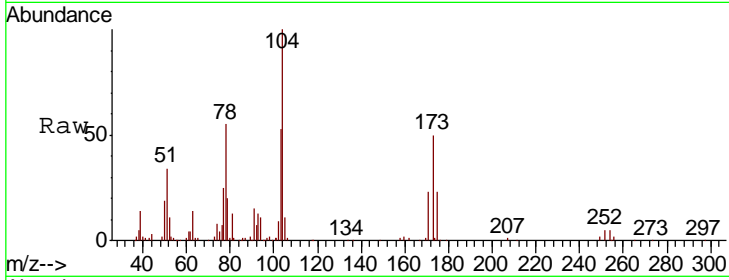




#71
 Bromoform
 Concen: 20.407 ug/l
 RT: 10.87 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

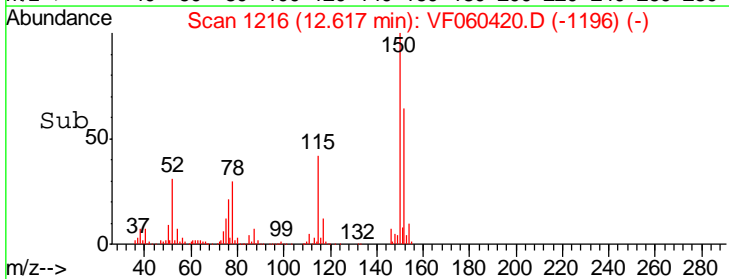
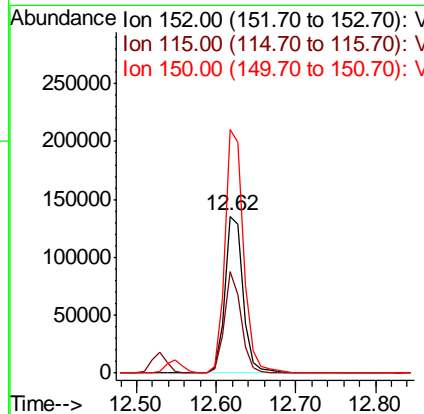
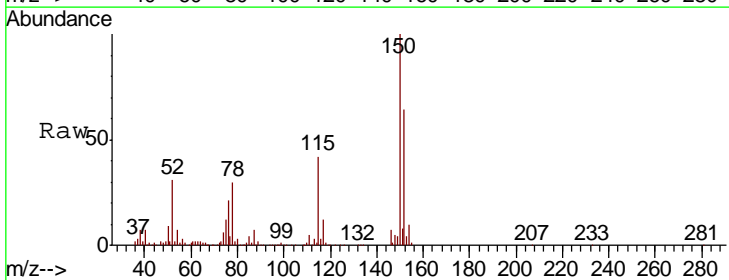
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

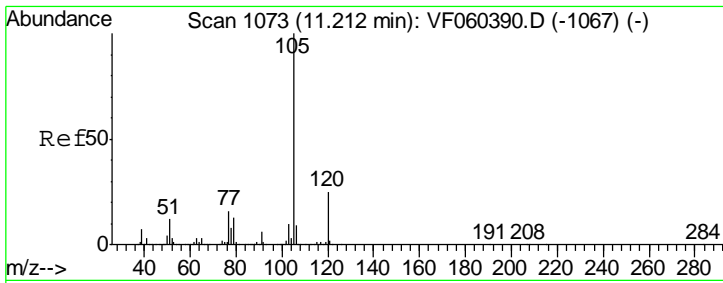
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 173 | 38846 | | |
| 175 | 45.6 | 22.1 | 66.1 |
| 254 | 0.5 | 0.0 | 0.0# |



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 152 | 219840 | | |
| 115 | 64.7 | 28.6 | 85.8 |
| 150 | 155.3 | 0.0 | 324.6 |

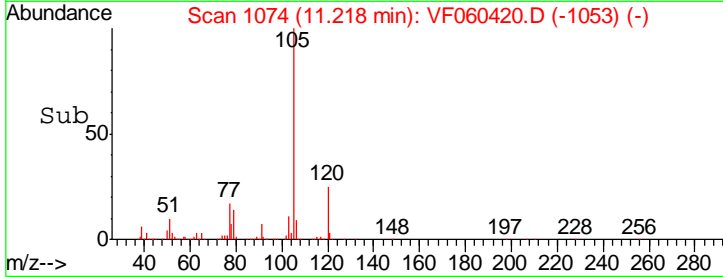
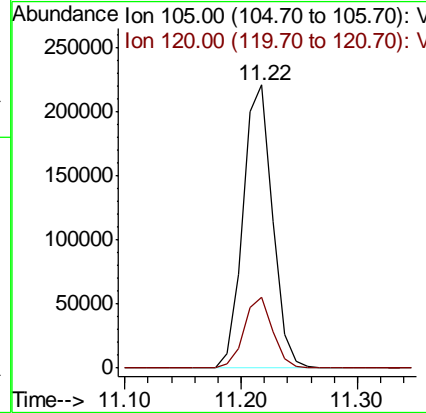
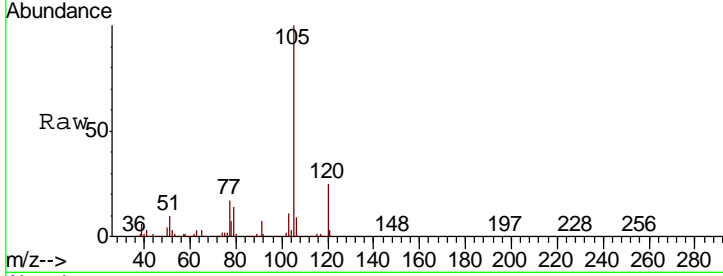




#73
 Isopropylbenzene
 Concen: 22.442 ug/l
 RT: 11.22 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

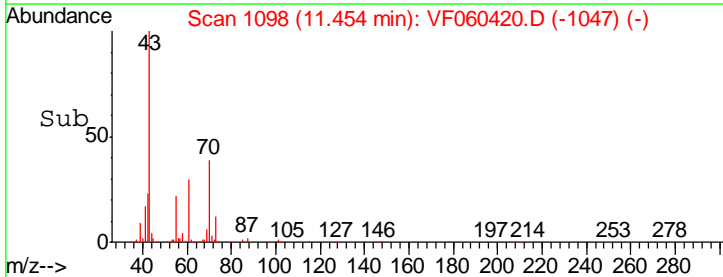
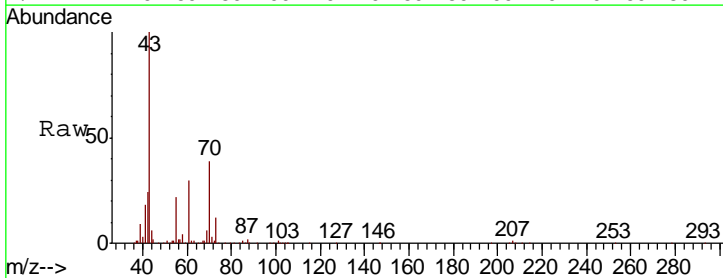
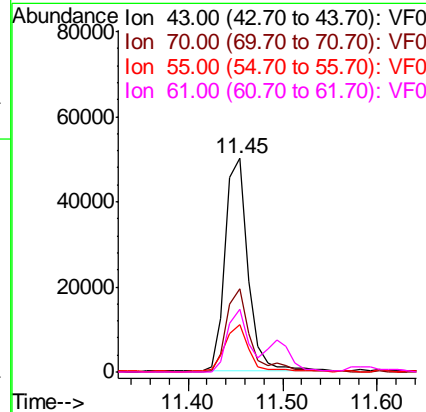
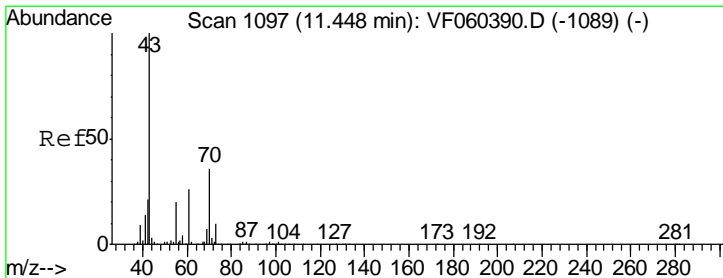
Instrument : MSVOA_F
 ClientSampleID : VF1003SBSD01

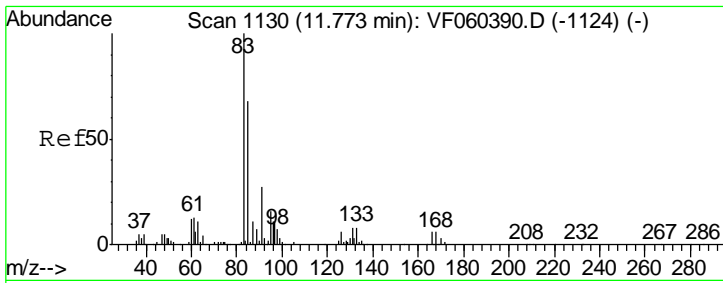
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 25.0 | 12.3 | 36.9 |



#74
 N-amyl acetate
 Concen: 21.010 ug/l
 RT: 11.45 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 70 | 39.0 | 29.1 | 43.7 |
| 55 | 22.3 | 16.3 | 24.5 |
| 61 | 29.7 | 21.0 | 31.4 |

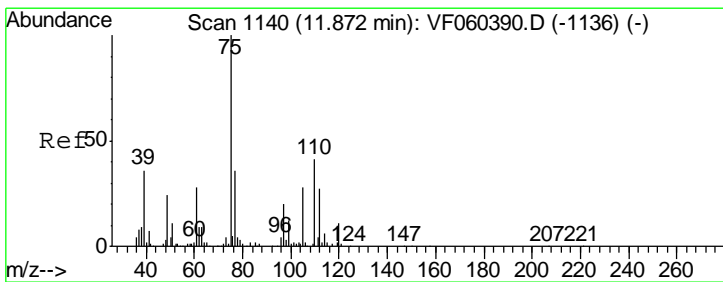
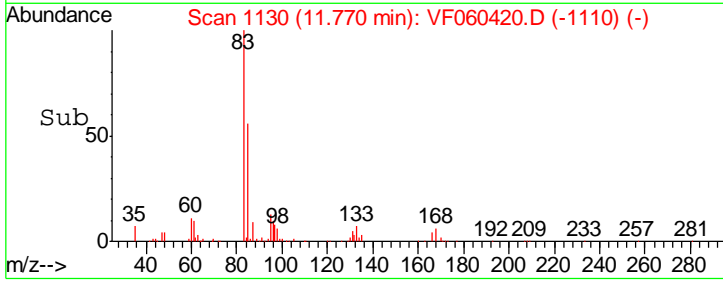
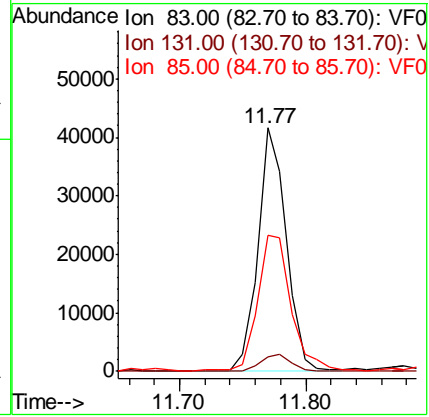
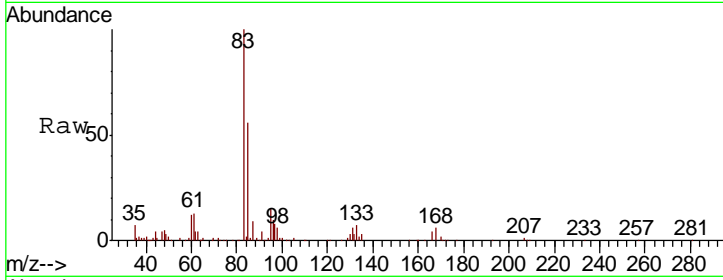




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.682 ug/l
 RT: 11.77 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

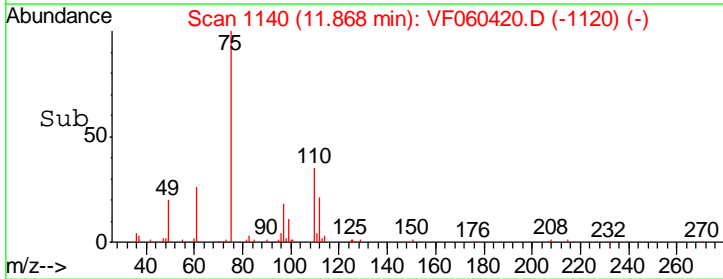
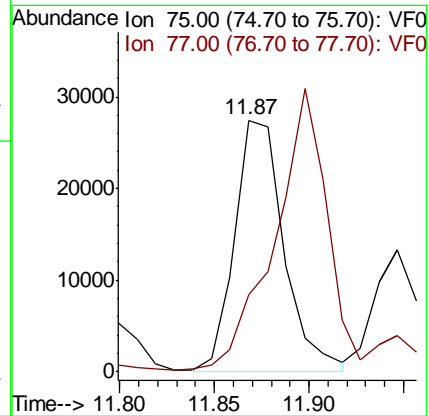
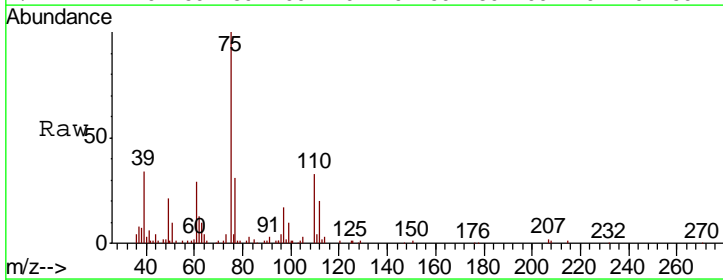
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

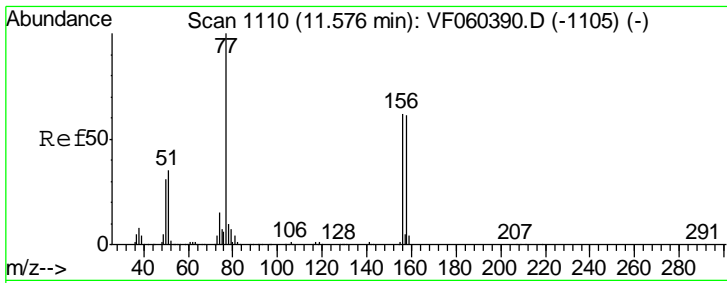
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 131 | 5.9 | 4.0 | 12.0 |
| 85 | 55.9 | 34.0 | 102.0 |



#76
 1,2,3-Trichloropropane
 Concen: 21.395 ug/l
 RT: 11.87 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 75 | 100 | | |
| 77 | 30.8 | 18.1 | 54.4 |

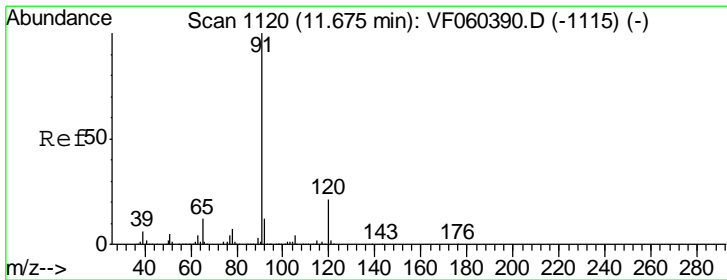
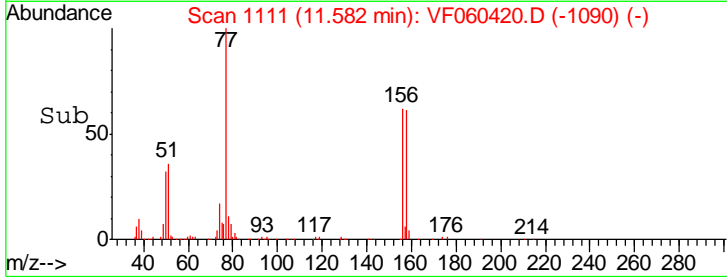
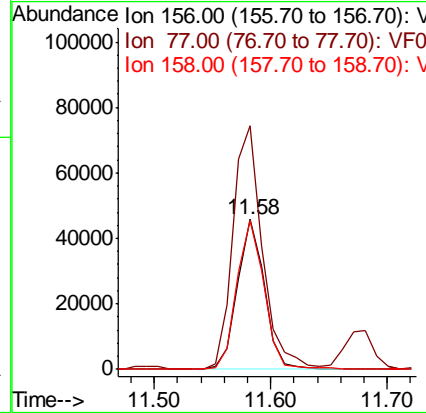
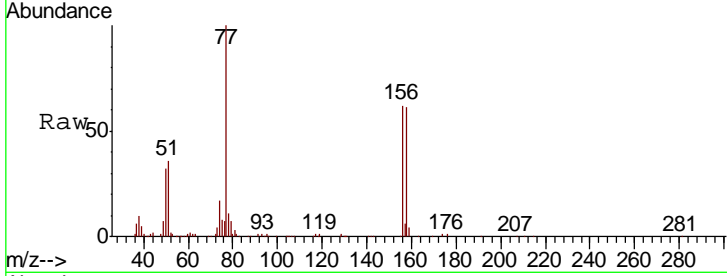




#77
 Bromobenzene
 Concen: 19.048 ug/l
 RT: 11.58 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

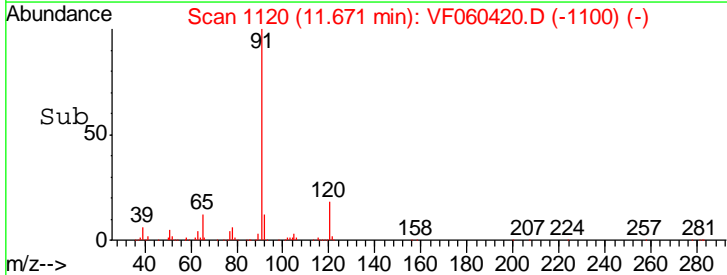
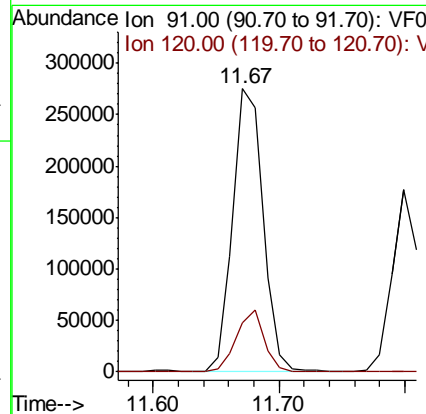
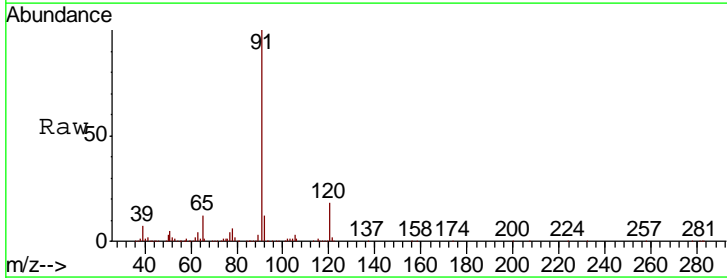
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

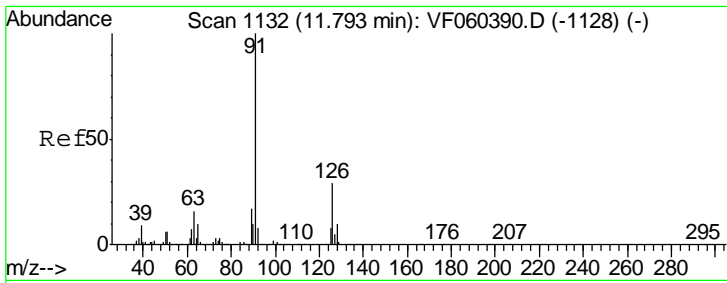
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 156 | 73701 | | |
| 77 | 162.6 | 81.3 | 243.9 |
| 158 | 99.0 | 49.6 | 149.0 |



#78
 n-propylbenzene
 Concen: 21.758 ug/l
 RT: 11.67 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 91 | 456585 | | |
| 120 | 17.6 | 10.5 | 31.6 |

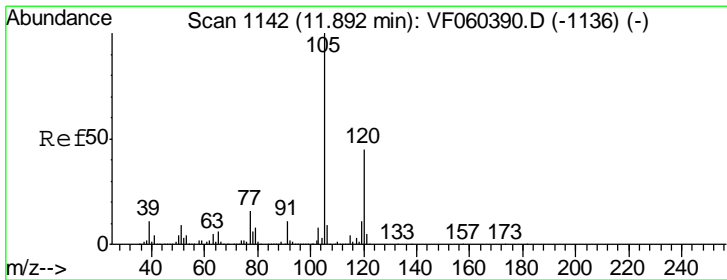
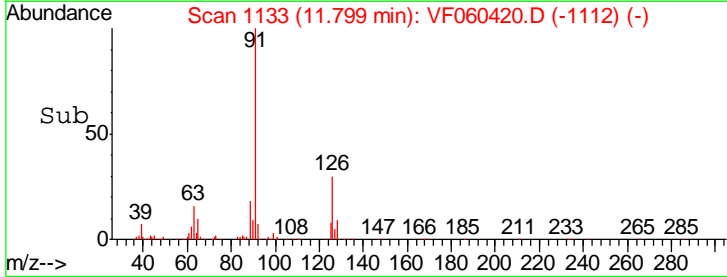
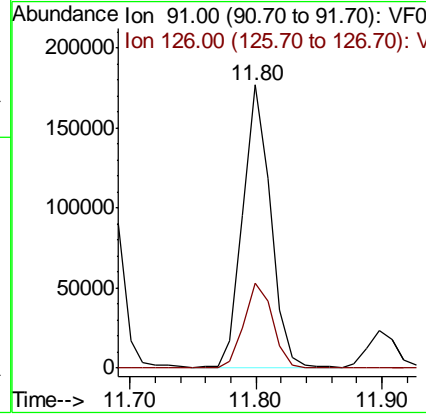
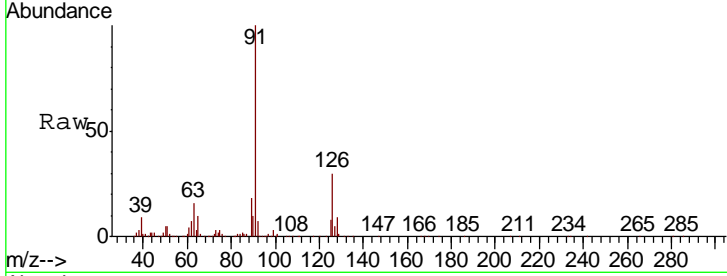




#79
 2-Chlorotoluene
 Concen: 21.688 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

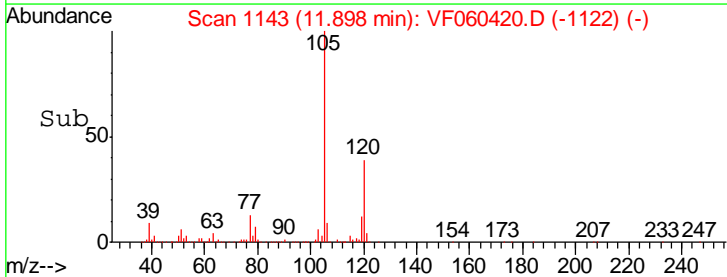
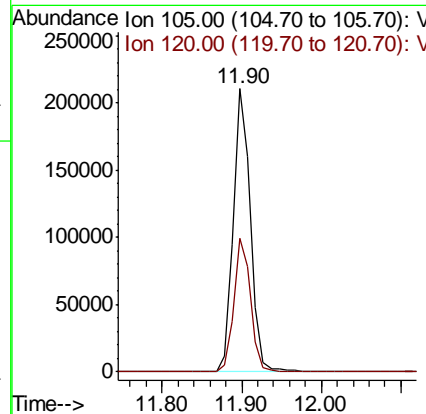
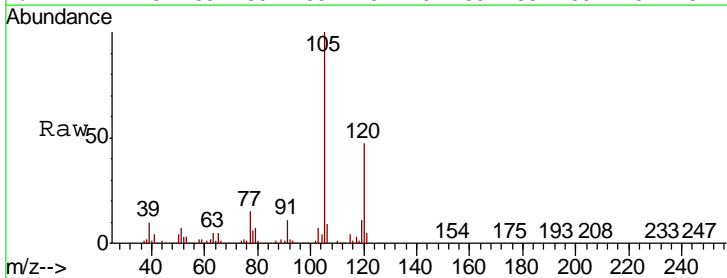
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

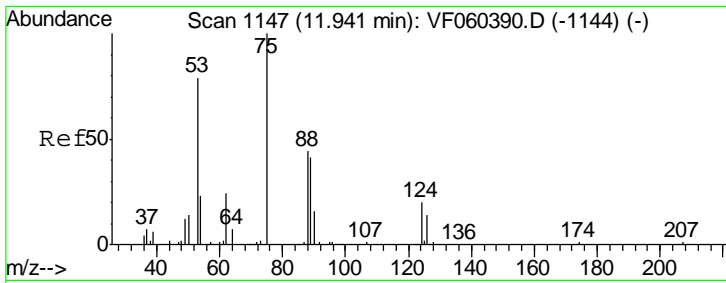
Tgt Ion: 91 Resp: 266221
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.782 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 105 Resp: 320334
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.3 66.9

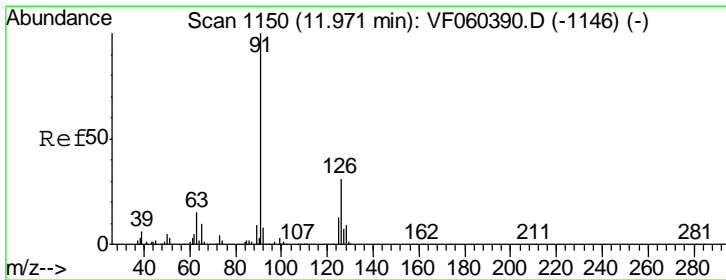
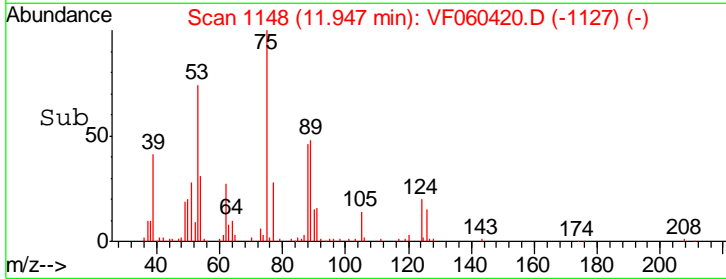
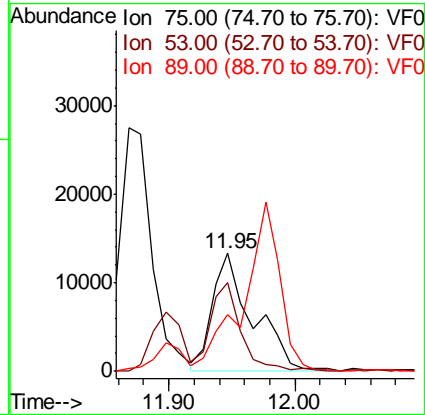
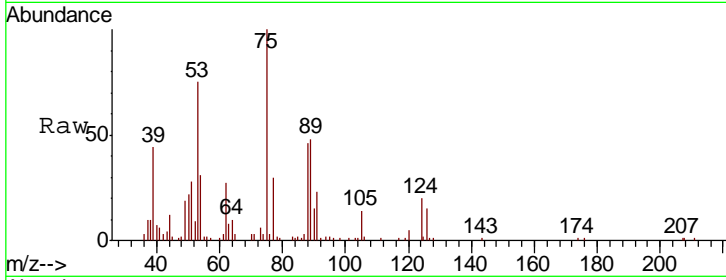




#81
 trans-1,4-Dichloro-2-butene
 Concen: 29.070 ug/l
 RT: 11.95 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

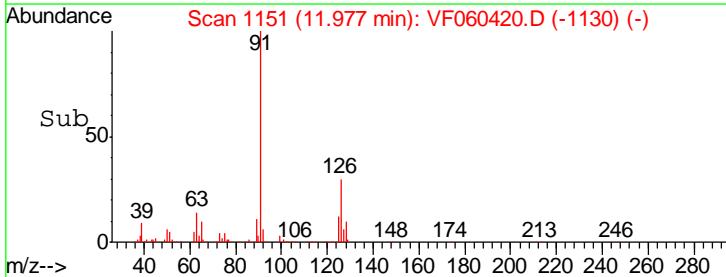
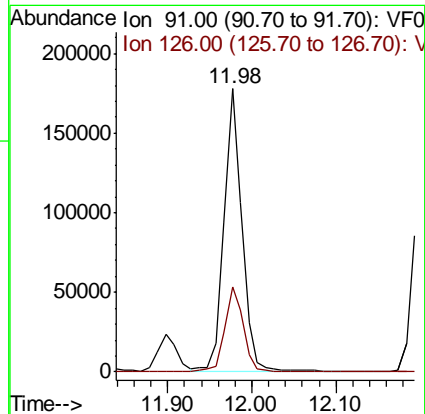
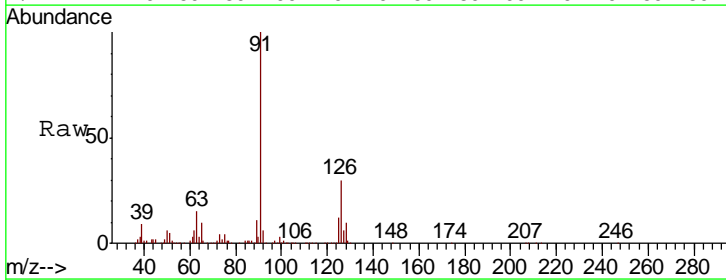
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

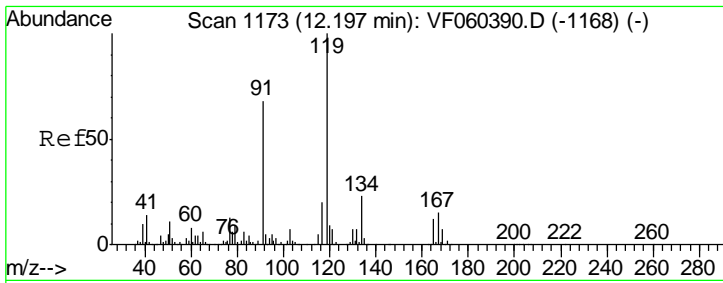
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 75 | 29938 | | |
| 53 | 75.2 | 67.8 | 101.8 |
| 89 | 48.1 | 36.7 | 55.1 |



#82
 4-Chlorotoluene
 Concen: 20.905 ug/l
 RT: 11.98 min Scan# 1151
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 91 | 262559 | | |
| 126 | 29.9 | 15.7 | 47.0 |

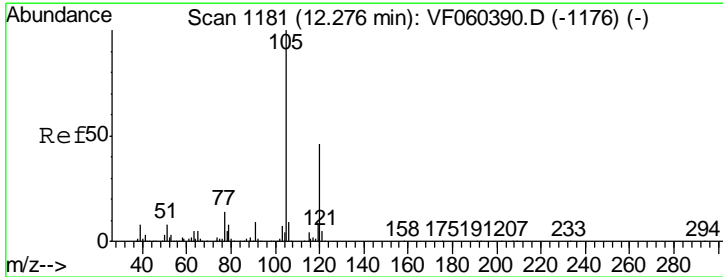
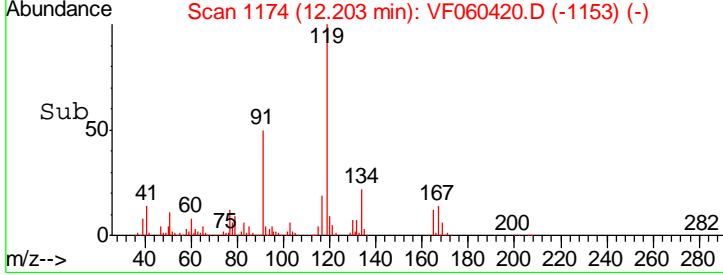
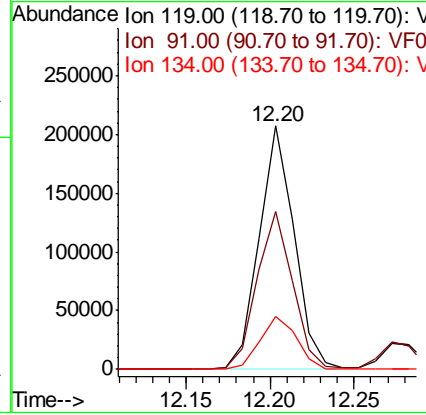
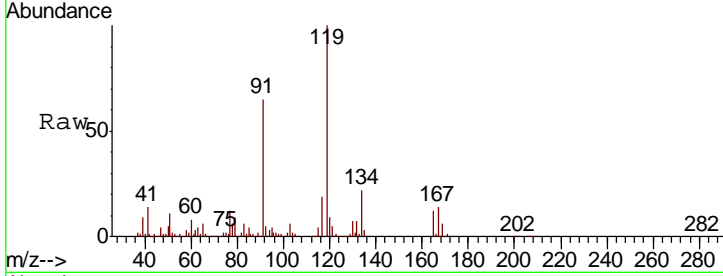




#83
 tert-Butylbenzene
 Concen: 20.707 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

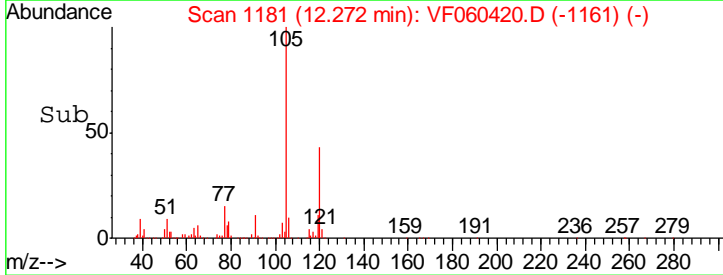
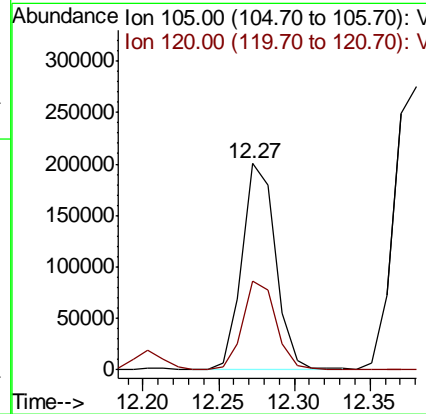
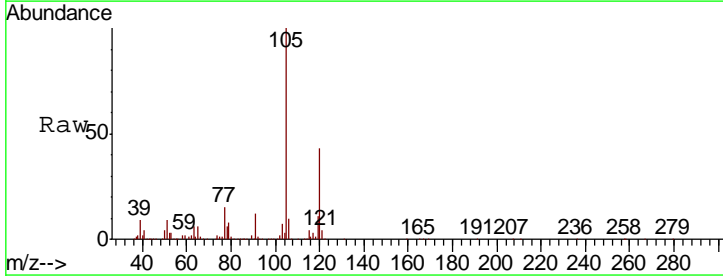
Instrument : MSVOA_F
 ClientSampled : VF1003SBSD01

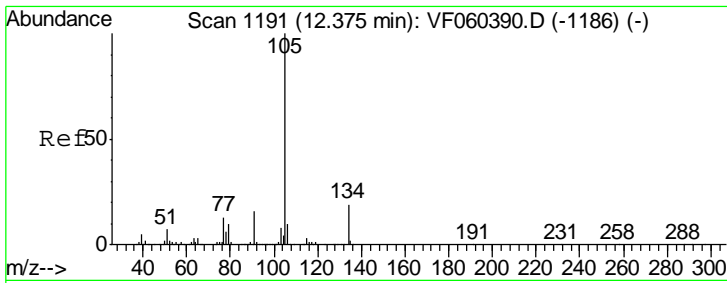
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 300363 | | |
| 91 | 65.0 | 34.0 | 102.0 |
| 134 | 21.7 | 11.7 | 35.0 |



#84
 1,2,4-Trimethylbenzene
 Concen: 21.262 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 105 | 310101 | | |
| 120 | 42.9 | 23.1 | 69.2 |

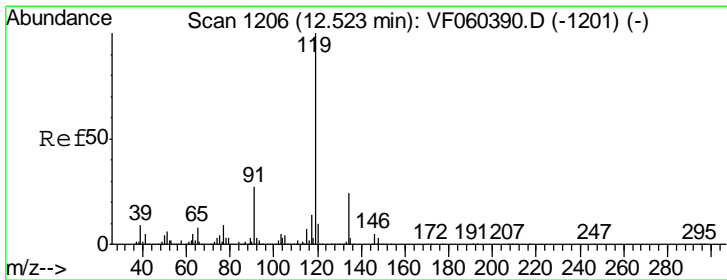
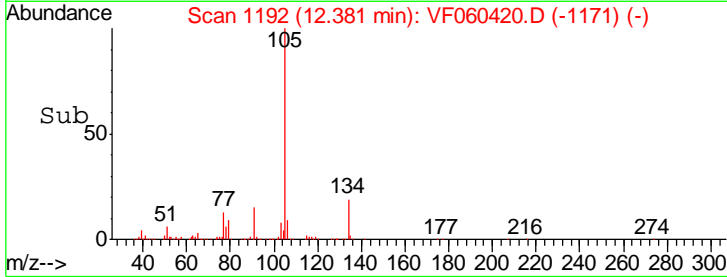
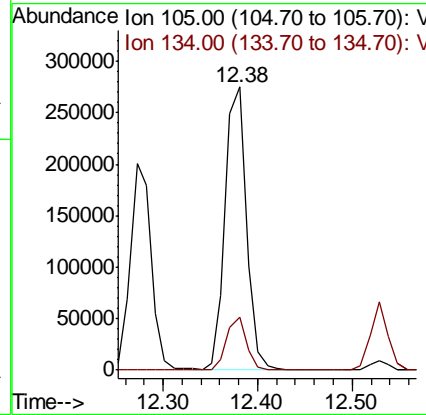
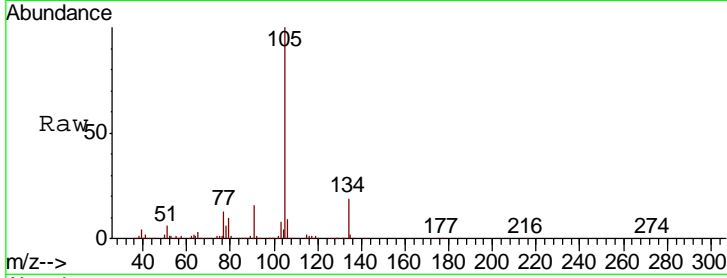




#85
 sec-Butylbenzene
 Concen: 21.499 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

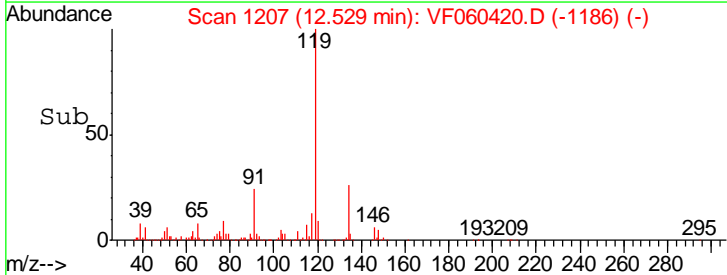
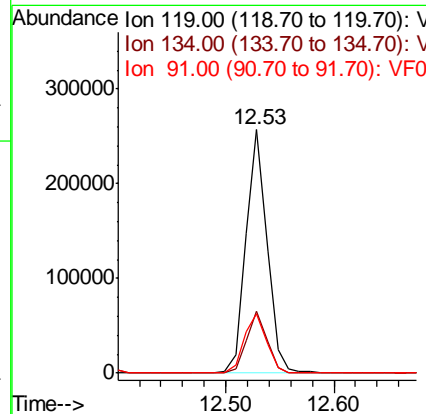
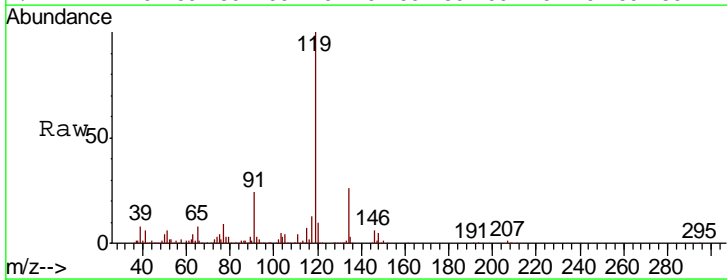
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

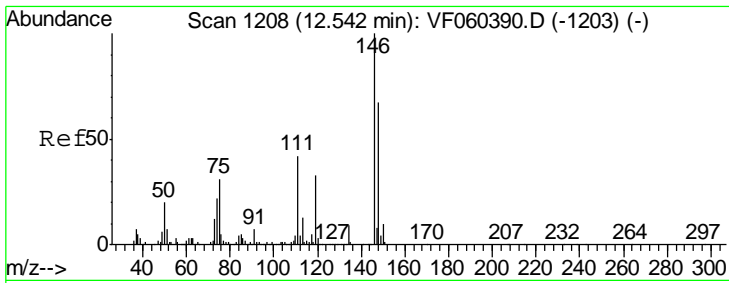
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 105 | 430454 | | |
| 134 | 18.6 | 9.4 | 28.3 |



#86
 p-Isopropyltoluene
 Concen: 21.296 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 348346 | | |
| 134 | 25.6 | 12.3 | 36.8 |
| 91 | 24.4 | 13.5 | 40.4 |

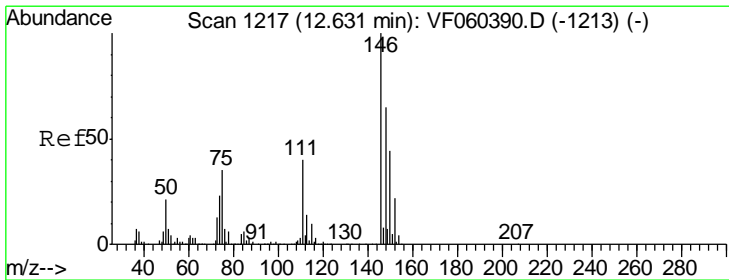
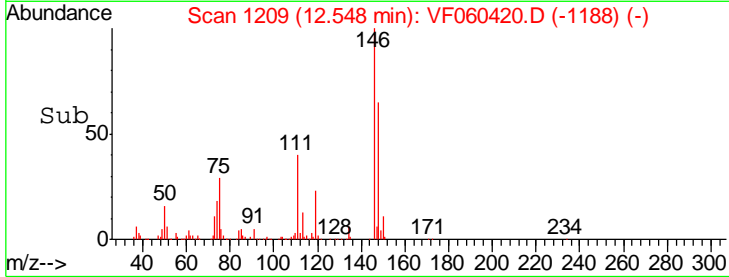
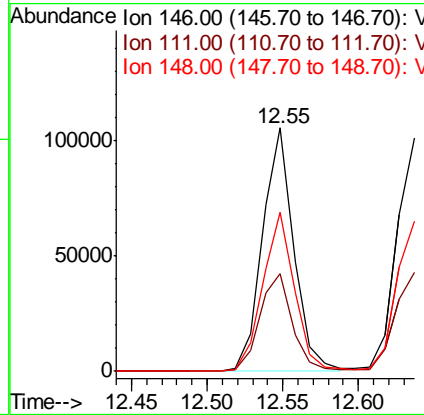
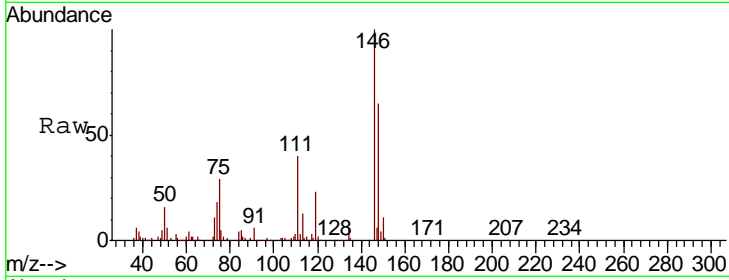




#87
 1,3-Dichlorobenzene
 Concen: 20.957 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

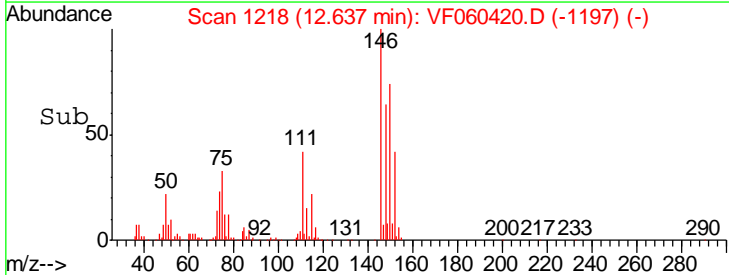
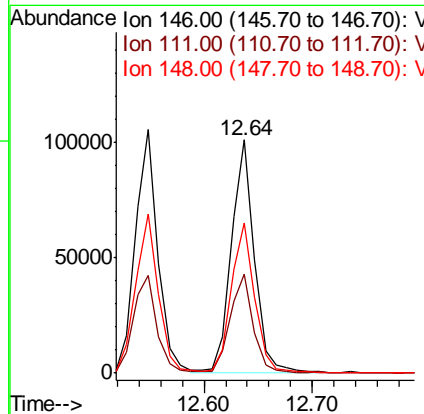
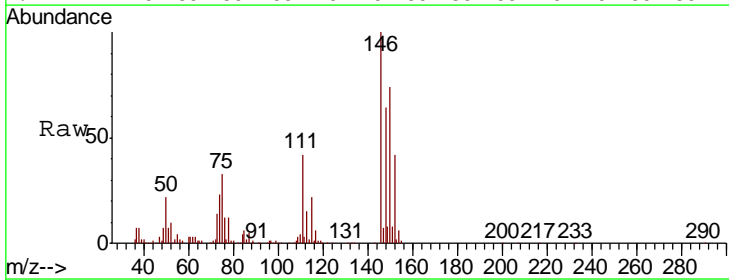
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

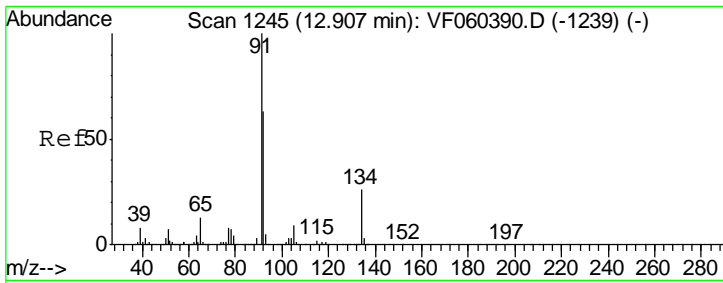
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 146 | 152587 | | |
| 111 | 40.3 | 20.9 | 62.7 |
| 148 | 65.2 | 33.6 | 100.8 |



#88
 1,4-Dichlorobenzene
 Concen: 21.034 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 146 | 151017 | | |
| 111 | 42.3 | 20.2 | 60.6 |
| 148 | 64.3 | 32.6 | 97.8 |

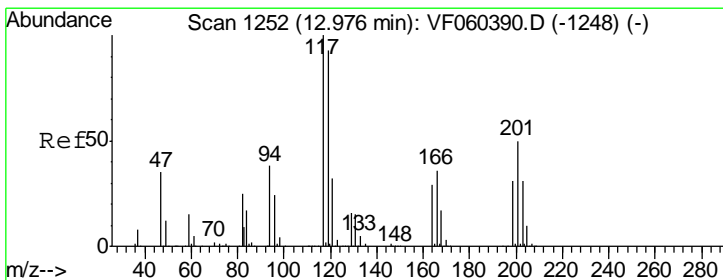
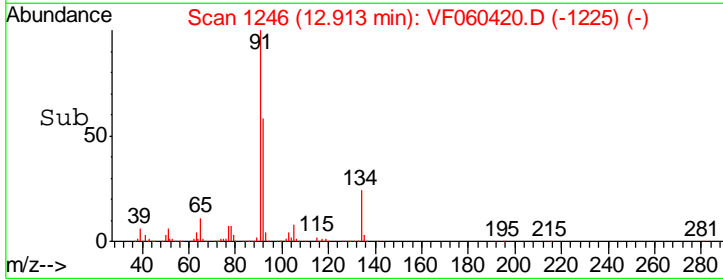
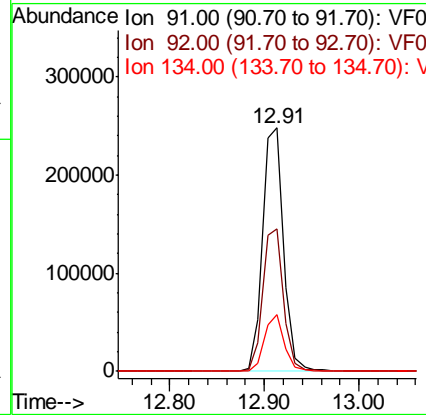
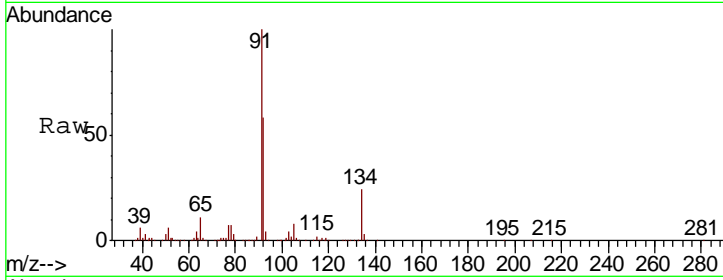




#89
 n-Butylbenzene
 Concen: 22.154 ug/l
 RT: 12.91 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

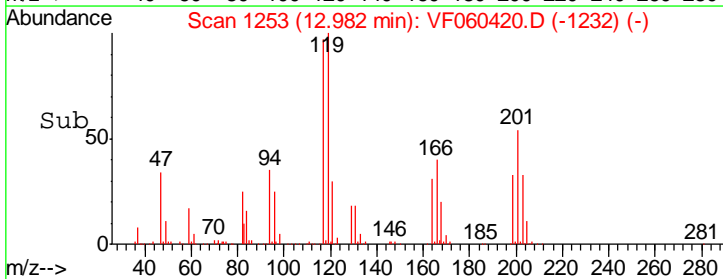
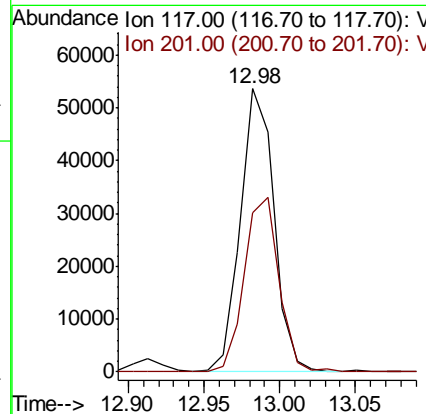
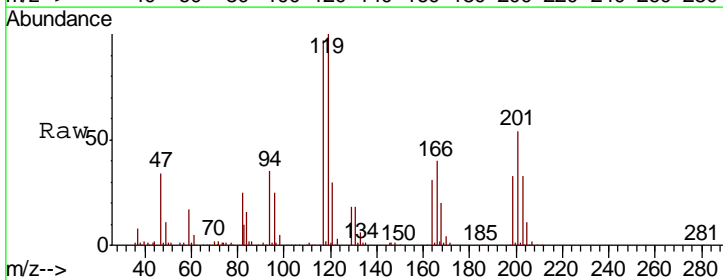
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBS01

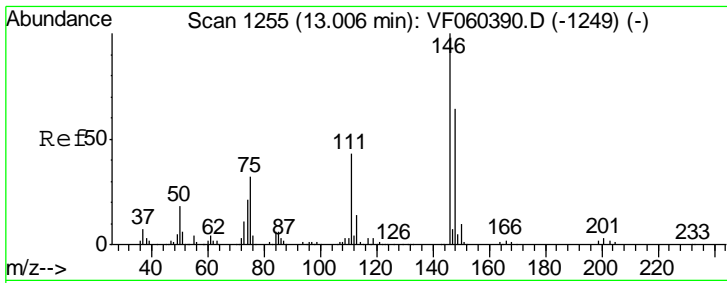
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 92 | 58.3 | 31.3 | 93.9 |
| 134 | 23.6 | 13.0 | 38.9 |



#90
 Hexachloroethane
 Concen: 19.629 ug/l
 RT: 12.98 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 201 | 56.1 | 25.5 | 76.5 |



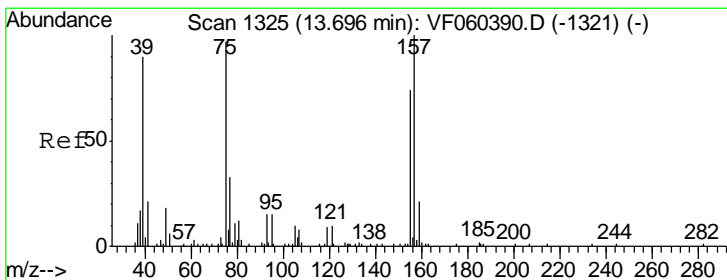
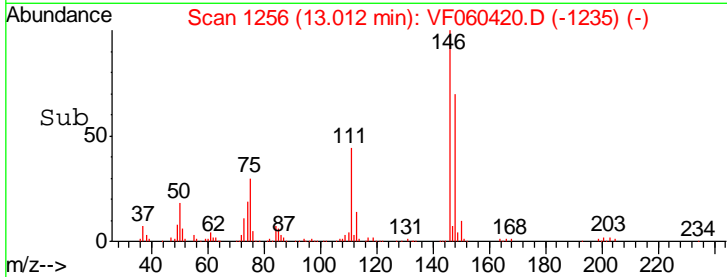
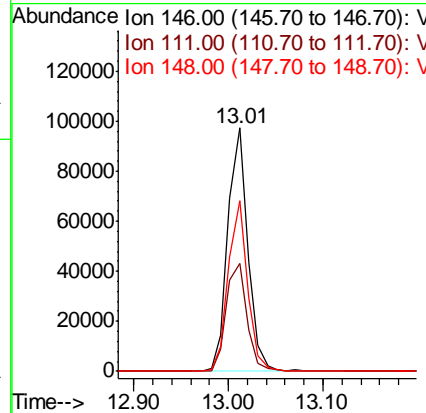
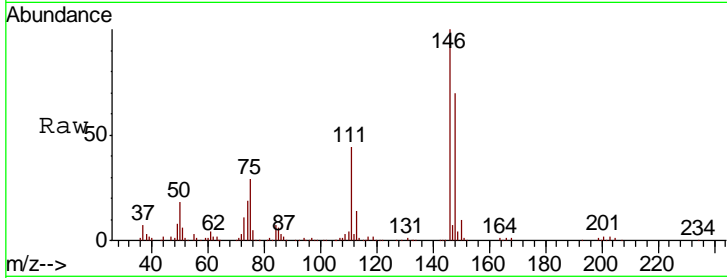


#91
 1,2-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBS01

Tgt Ion: 146 Resp: 142911

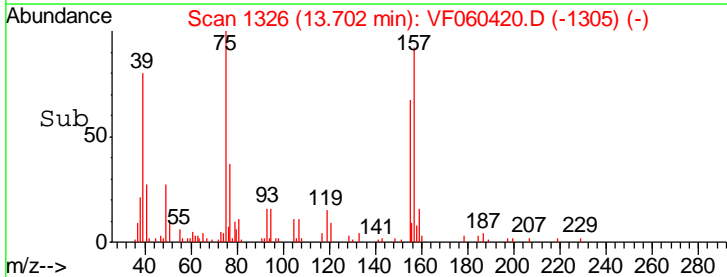
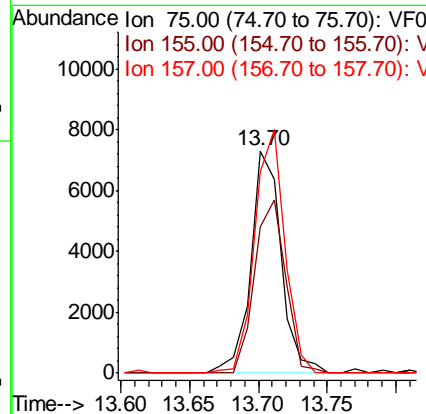
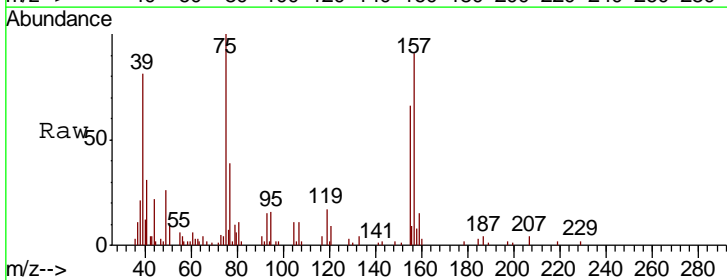
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100 | | |
| 111 | 44.3 | 21.3 | 64.0 |
| 148 | 70.0 | 32.2 | 96.6 |

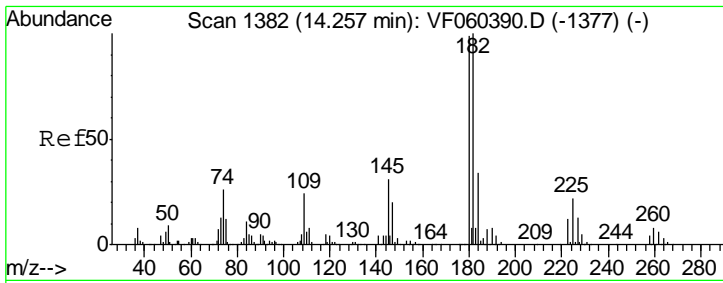


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.544 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion: 75 Resp: 11345

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75 | 100 | | |
| 155 | 66.0 | 37.9 | 113.6 |
| 157 | 90.8 | 51.3 | 154.0 |

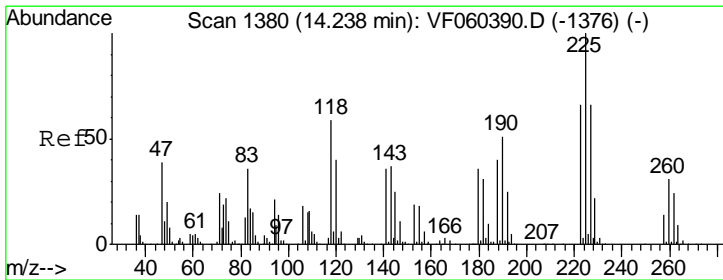
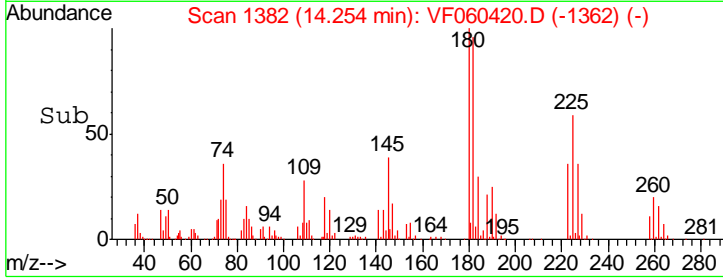
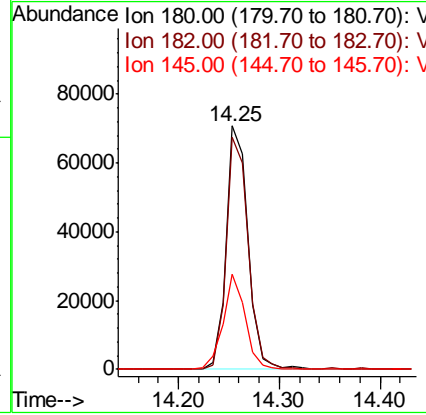
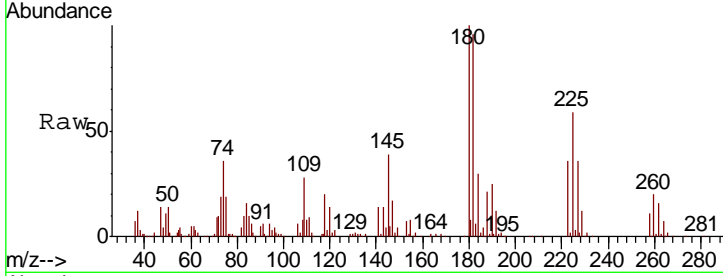




#93
 1,2,4-Trichlorobenzene
 Concen: 20.462 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

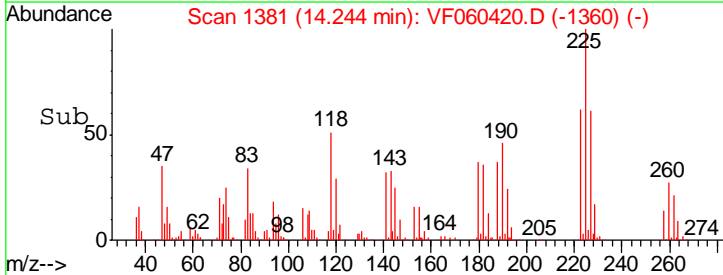
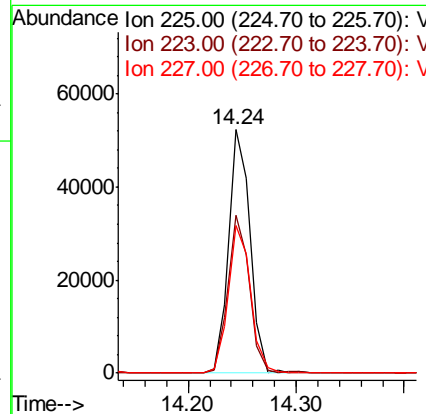
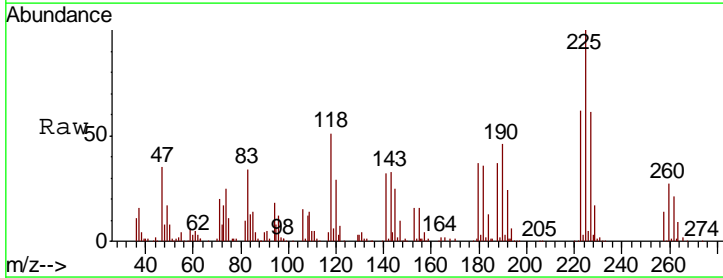
Instrument :
 MSVOA_F
 ClientSampled :
 VF1003SBSD01

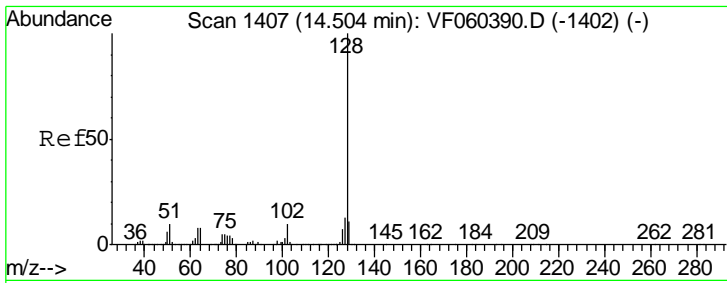
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 180 | 100 | | |
| 182 | 95.5 | 50.3 | 150.9 |
| 145 | 38.9 | 15.5 | 46.5 |



#94
 Hexachlorobutadiene
 Concen: 19.897 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 225 | 100 | | |
| 223 | 64.7 | 32.8 | 98.4 |
| 227 | 60.6 | 33.0 | 99.0 |

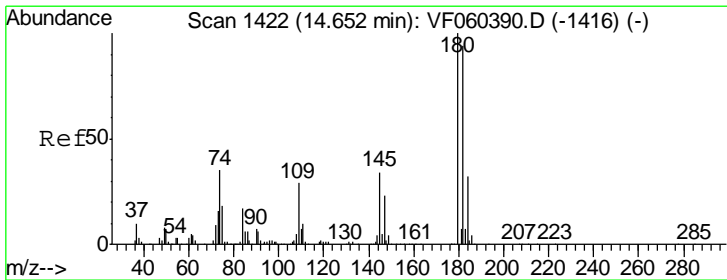
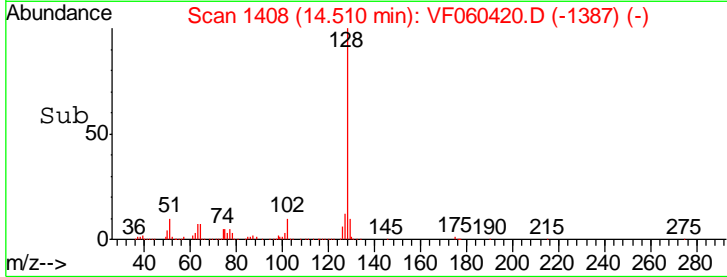
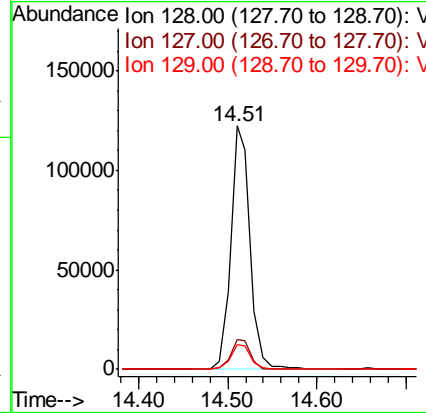
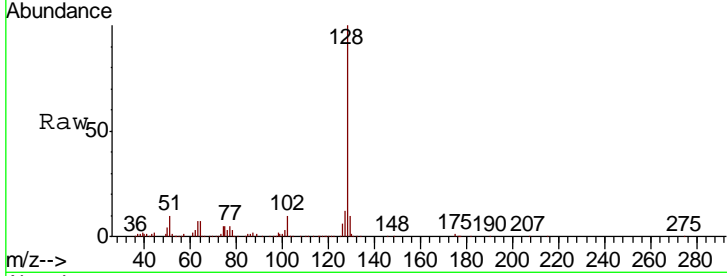




#95
 Naphthalene
 Concen: 20.121 ug/l
 RT: 14.51 min Scan# 1408
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1003SBS01

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 128 | 187590 | | |
| 127 | 12.1 | 10.0 | 15.0 |
| 129 | 10.3 | 8.7 | 13.1 |



#96
 1,2,3-Trichlorobenzene
 Concen: 20.676 ug/l
 RT: 14.66 min Scan# 1423
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 180 | 101063 | | |
| 182 | 89.5 | 46.8 | 140.3 |
| 145 | 33.2 | 16.9 | 50.6 |

