

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062273.D
 Acq On : 23 Apr 2019 19:44
 Operator : FY/SY
 Sample : K2515-14
 Misc : 5.17g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 06:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene | 5.06 | 168 | 478145 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 5.78 | 114 | 696721 | 50.00 | ug/l | 0.01 |
| 63) Chlorobenzene-d5 | 9.92 | 117 | 564404 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 320171 | 50.00 | ug/l | 0.01 |

System Monitoring Compounds

| | | | | | | |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.04 | 65 | 184438 | 42.07 | ug/l | 0.02 |
| Spiked Amount | 50.000 | | Recovery | = | 84.14% | |
| 35) Dibromofluoromethane | 4.31 | 113 | 245546 | 40.29 | ug/l | 0.01 |
| Spiked Amount | 50.000 | | Recovery | = | 80.58% | |
| 50) Toluene-d8 | 7.72 | 98 | 528596 | 34.26 | ug/l | 0.02 |
| Spiked Amount | 50.000 | | Recovery | = | 68.52% | |
| 62) 4-Bromofluorobenzene | 11.50 | 95 | 240562 | 40.53 | ug/l | 0.02 |
| Spiked Amount | 50.000 | | Recovery | = | 81.06% | |

Target Compounds

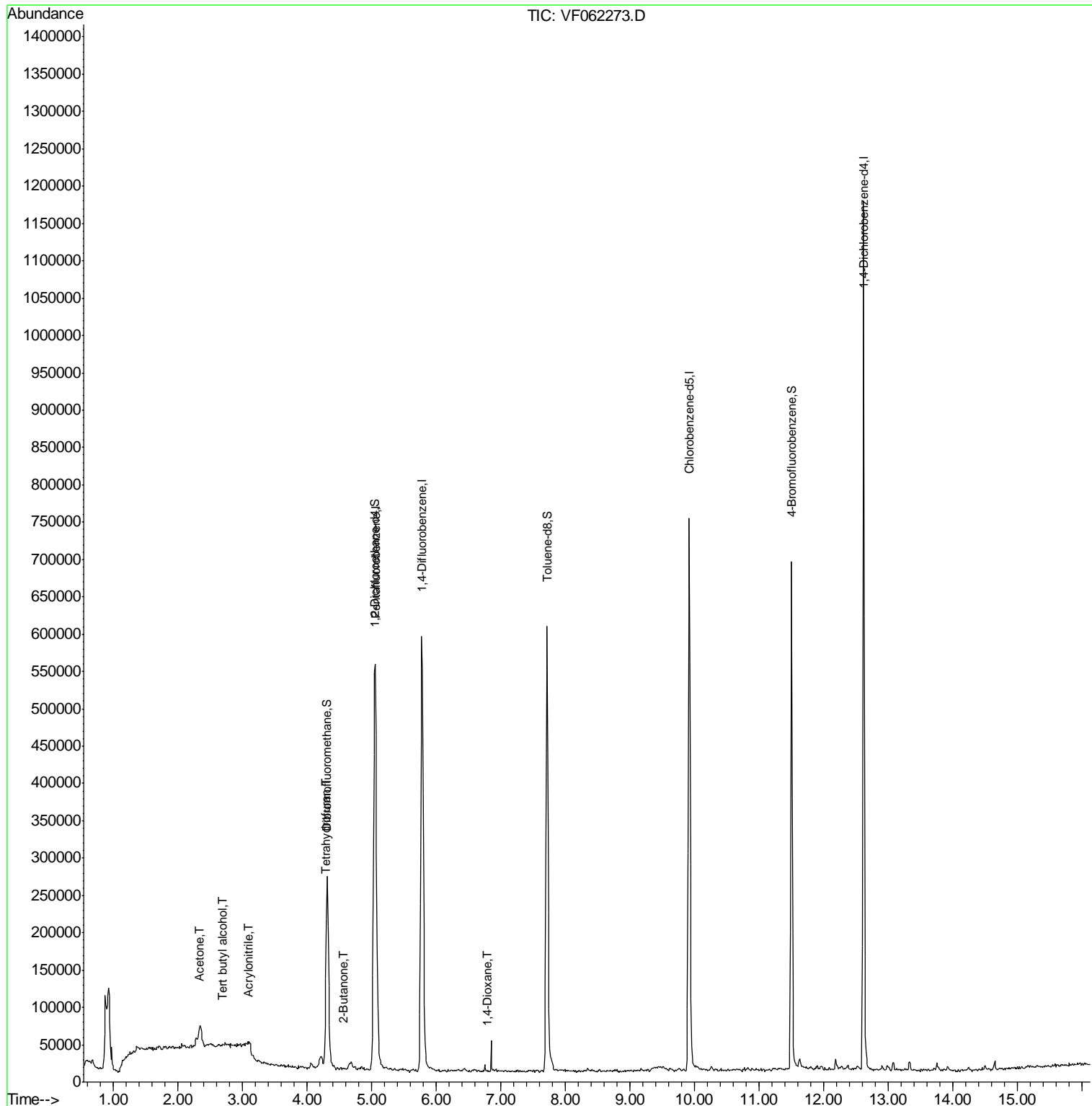
| | | | | | Qvalue | |
|------------------------|-------|----|-------|-----------|--------|----|
| 11) Tert butyl alcohol | 2.70 | 59 | 2237 | 7.340 | ug/l # | 85 |
| 13) Acrolein | 2.14 | 56 | 85 | Below Cal | # | 1 |
| 15) Acrylonitrile | 3.10 | 53 | 1668 | 1.797 | ug/l # | 64 |
| 16) Acetone | 2.35 | 43 | 26922 | 25.690 | ug/l | 94 |
| 18) Methyl Acetate | 2.48 | 43 | 2023 | Below Cal | # | 17 |
| 20) Methylene Chloride | 2.33 | 84 | 20141 | Below Cal | # | 88 |
| 25) 2-Butanone | 4.55 | 43 | 3733 | 1.781 | ug/l # | 56 |
| 29) Tetrahydrofuran | 4.29 | 42 | 1603 | 1.690 | ug/l # | 88 |
| 49) 1,4-Dioxane | 6.78 | 88 | 62 | 1.984 | ug/l # | 21 |
| 74) N-amyl acetate | 11.44 | 43 | 1416 | Below Cal | # | 78 |
| 89) n-Butylbenzene | 12.90 | 91 | 2722 | Below Cal | # | 78 |

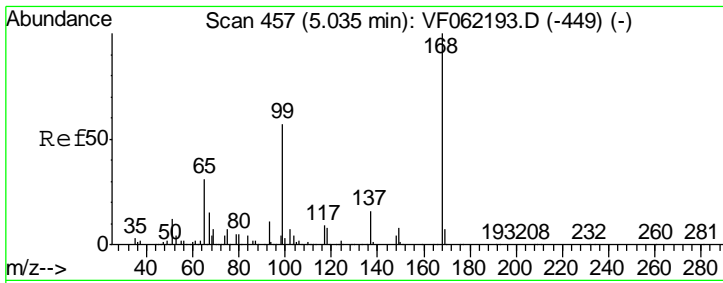
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
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 Acq On : 23 Apr 2019 19:44
 Operator : FY/SY
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 Misc : 5.17µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampled :

Quant Time: Apr 24 06:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

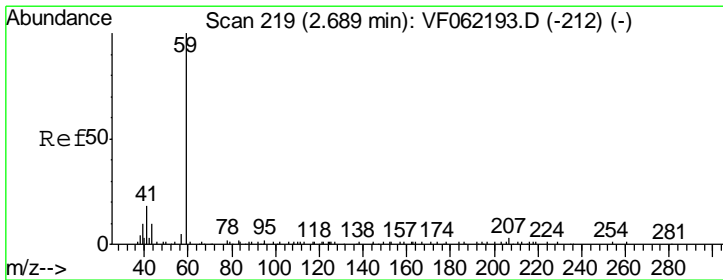
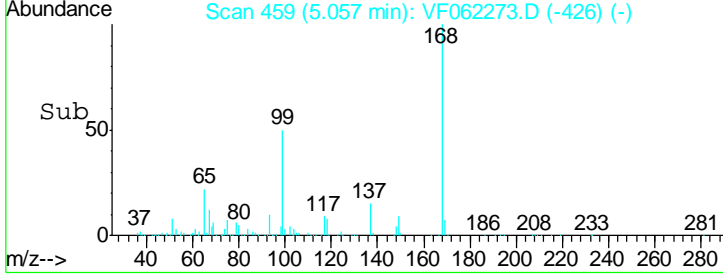
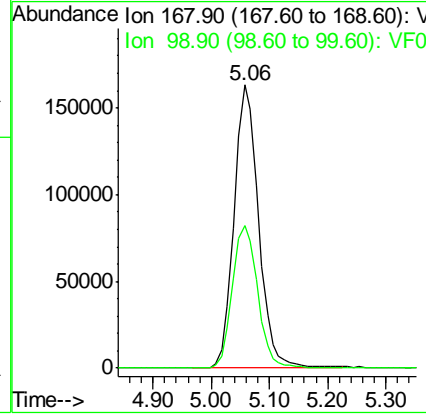
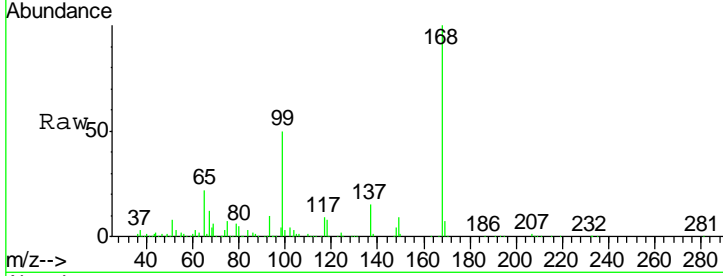




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

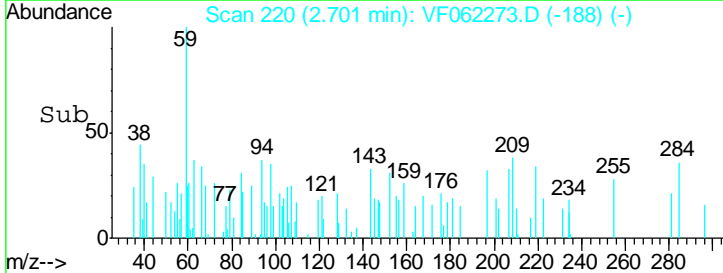
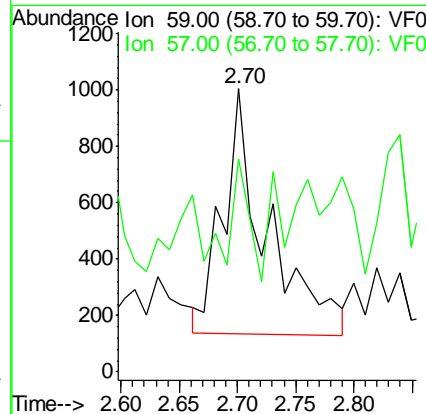
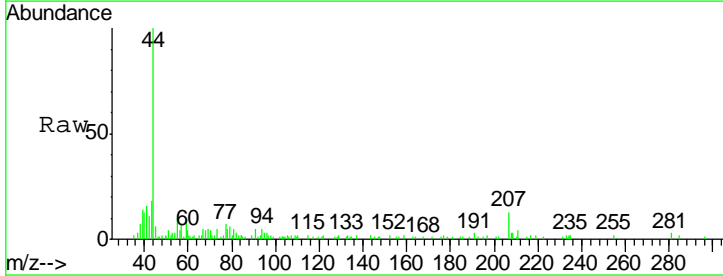
Instrument :
 MSVOA_F
 ClientSampled :

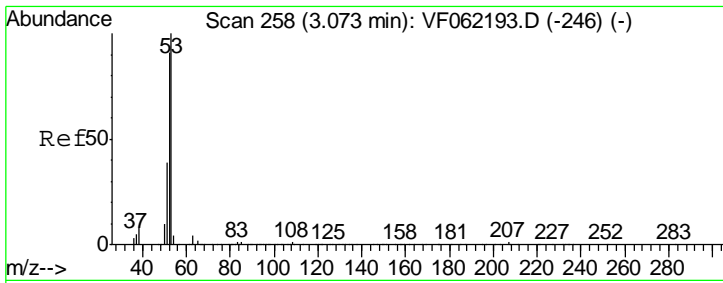
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 168 | 100 | | |
| 99 | 50.4 | 45.5 | 68.3 |



#11
 Tert butyl alcohol
 Concen: 7.340 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 59 | 100 | | |
| 57 | 17.3 | 9.3 | 13.9 |

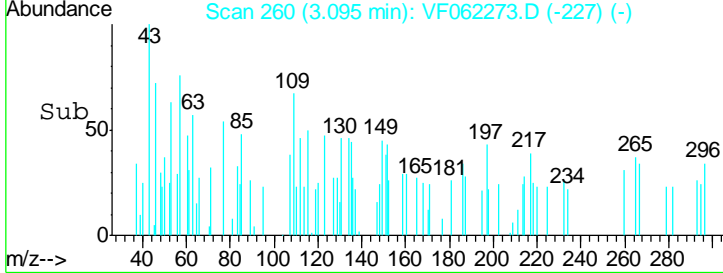
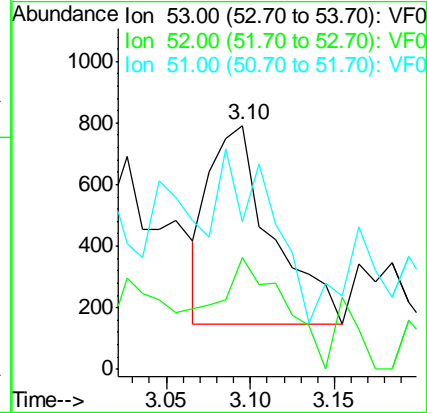
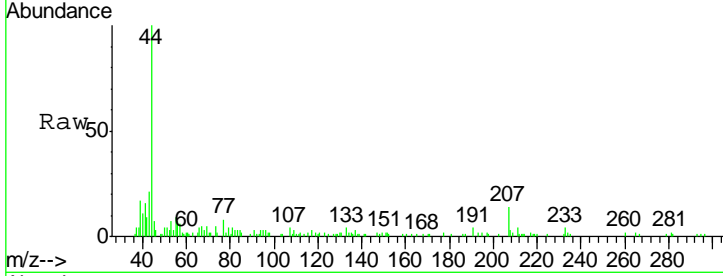




#15
 Acrylonitrile
 Concen: 1.797 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

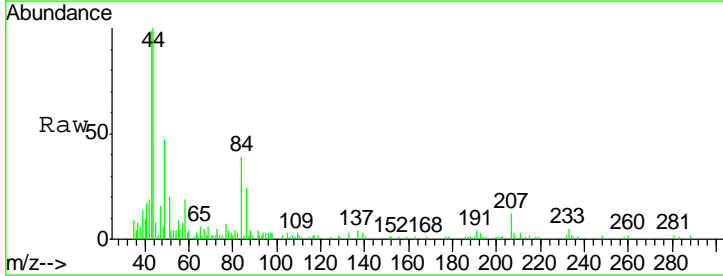
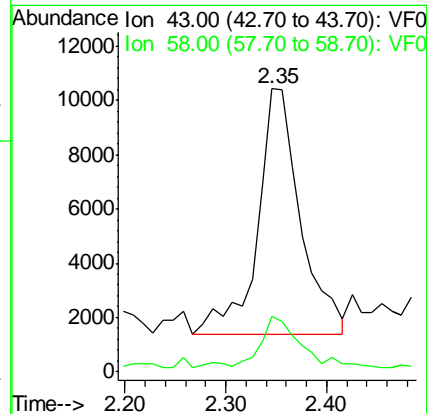
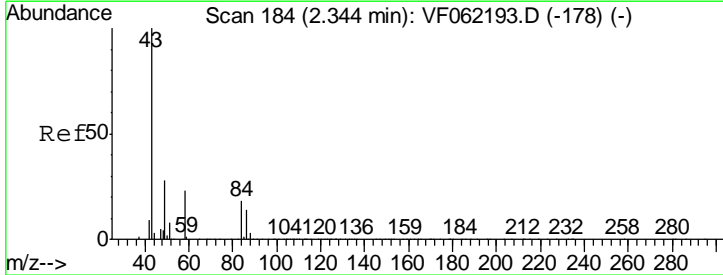
Instrument :
 MSVOA_F
 ClientSampled :

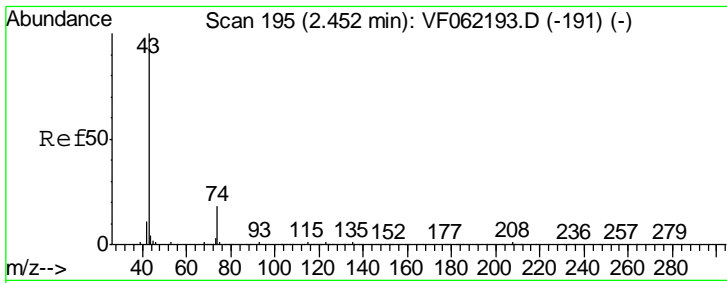
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 53 | 1668 | | |
| 52 | 59.4 | 69.5 | 104.3# |
| 51 | 69.8 | 31.8 | 47.8# |



#16
 Acetone
 Concen: 25.690 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 26922 | | |
| 58 | 20.8 | 18.8 | 28.2 |

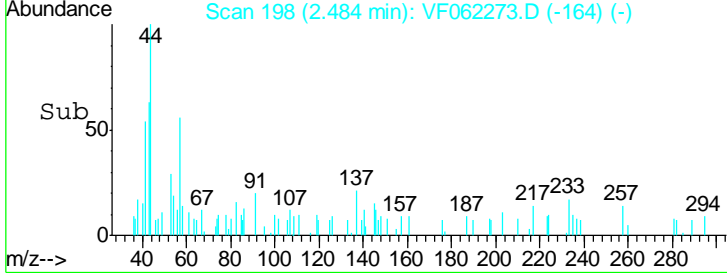
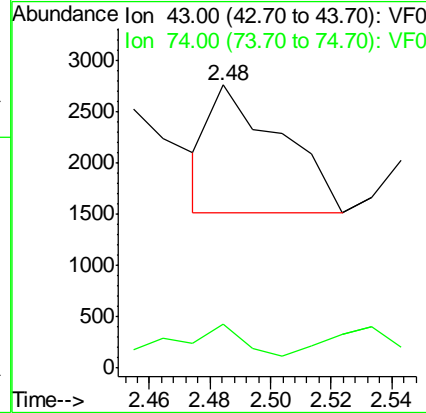
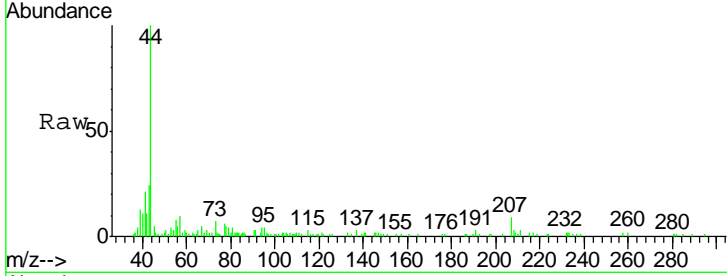




#18
 Methyl Acetate
 Concen: Below Cal
 RT: 2.48 min Scan# 198
 Delta R.T. 0.03 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

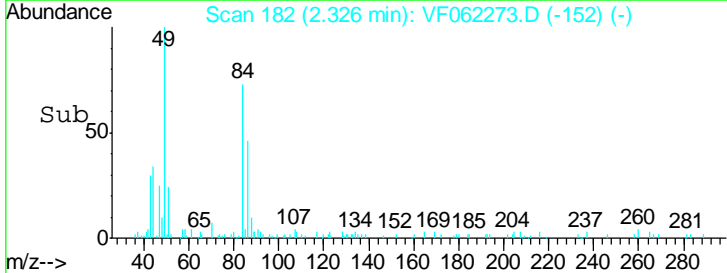
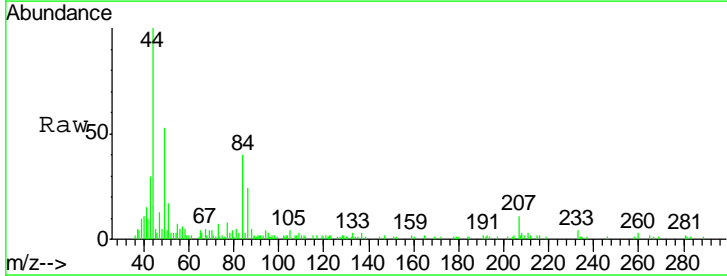
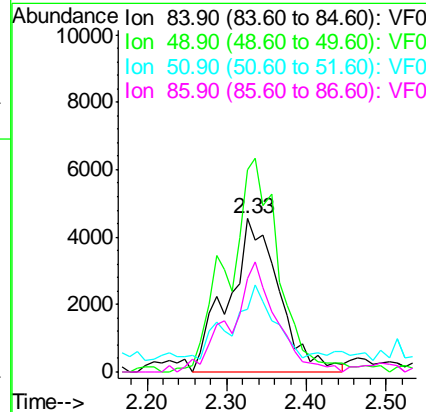
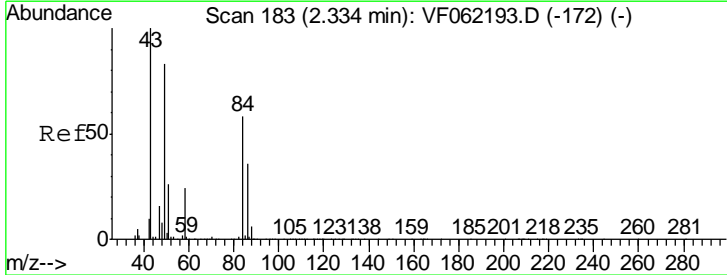
Instrument :
 MSVOA_F
 ClientSampled :

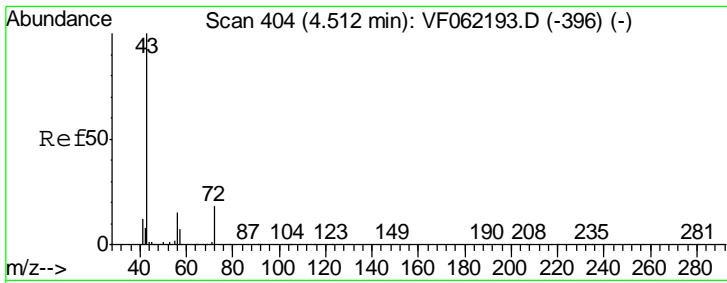
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 74 | 55.0 | 14.5 | 21.7# |



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 49 | 127.7 | 114.0 | 171.0 |
| 51 | 30.8 | 37.0 | 55.4# |
| 86 | 60.7 | 49.8 | 74.8 |

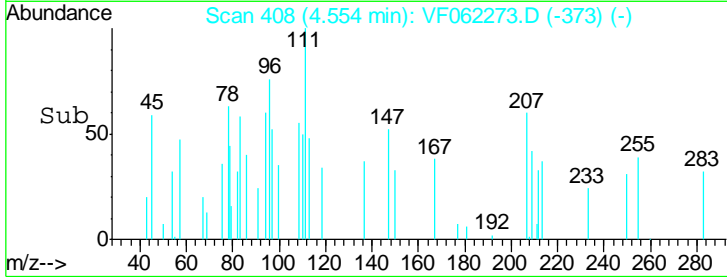
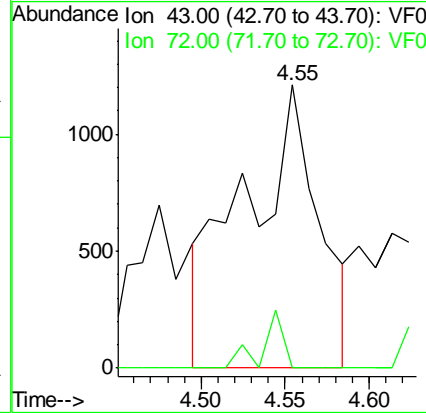
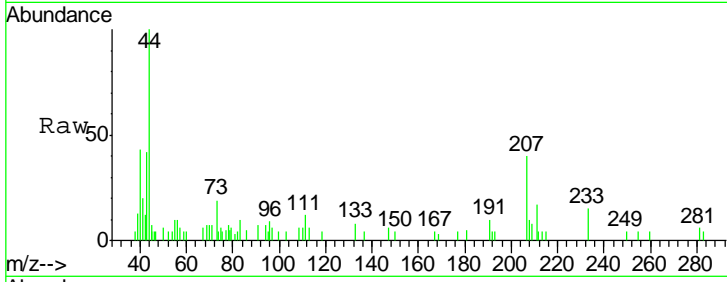




#25
 2-Butanone
 Concen: 1.781 ug/l
 RT: 4.55 min Scan# 408
 Delta R.T. 0.04 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

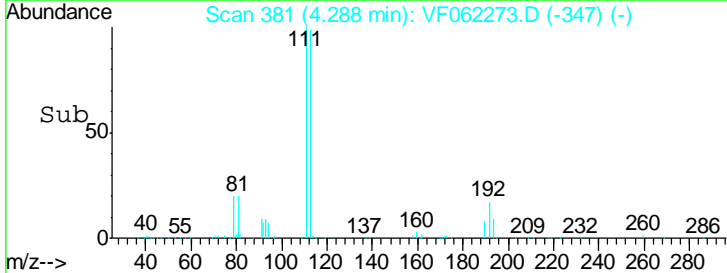
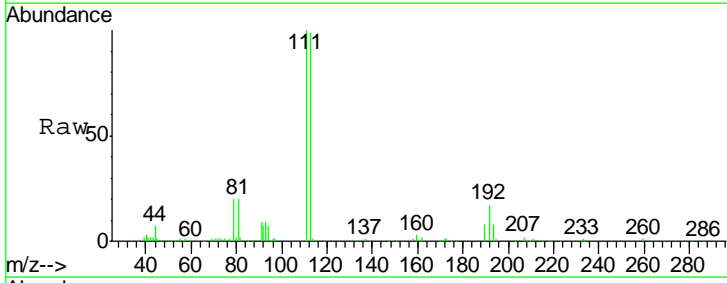
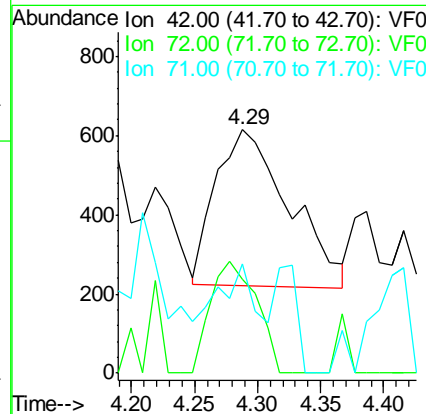
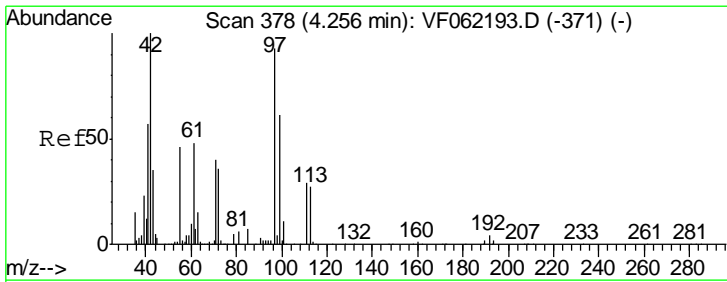
Instrument :
 MSVOA_F
 ClientSampled :

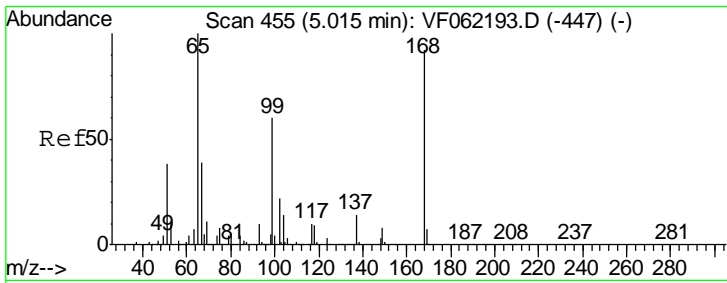
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 0.0 | 16.1 | 24.1# |



#29
 Tetrahydrofuran
 Concen: 1.690 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.03 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 42 | 100 | | |
| 72 | 44.7 | 28.6 | 43.0# |
| 71 | 41.8 | 29.2 | 43.8 |

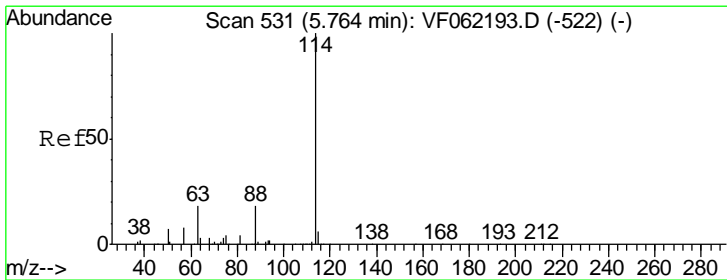
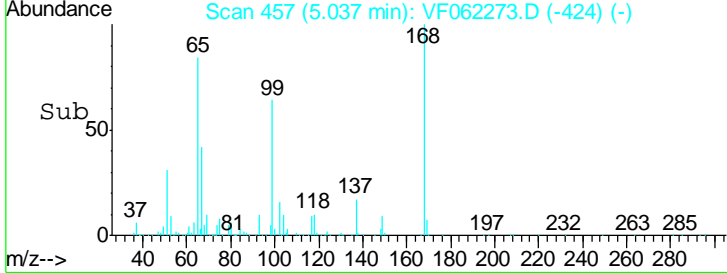
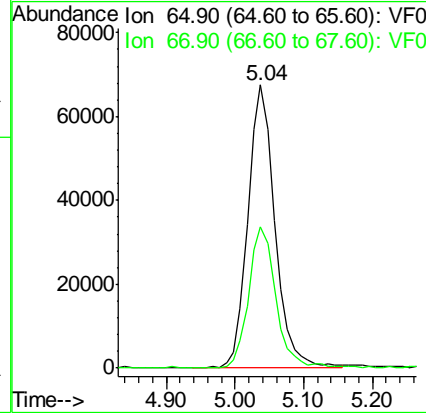
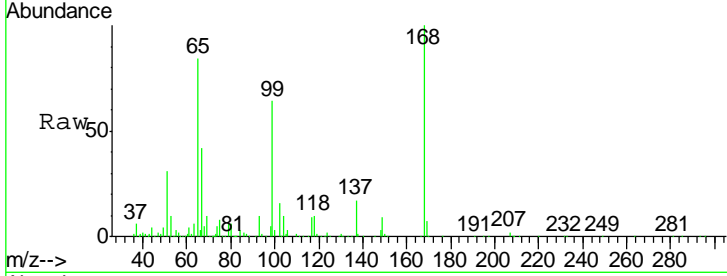




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

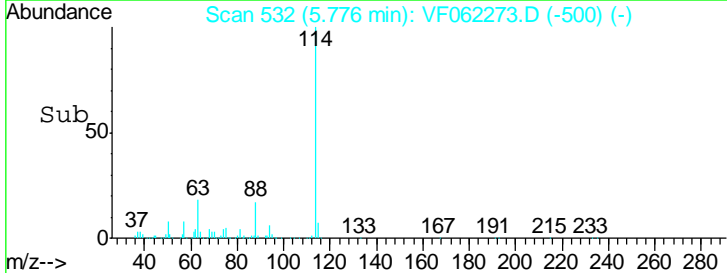
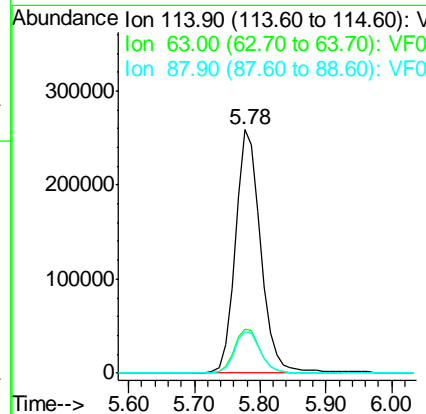
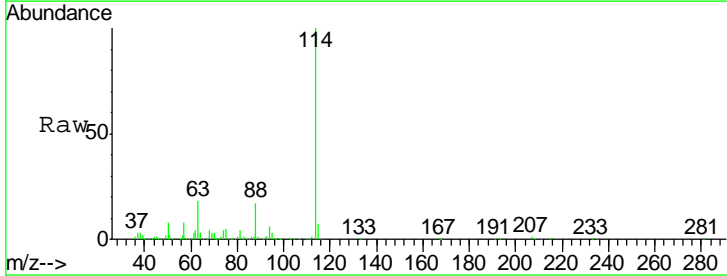
Instrument :
 MSVOA_F
 ClientSampled :

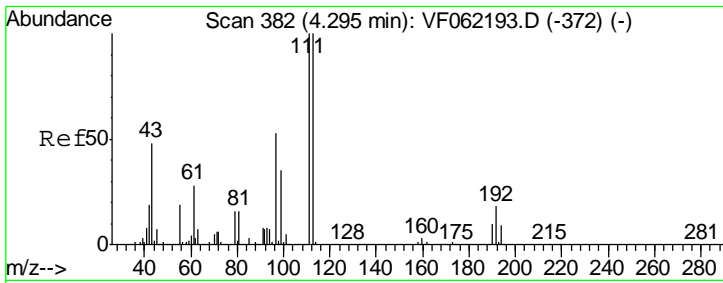
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 65 | 184438 | | |
| 67 | 51.0 | 0.0 | 109.4 |



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 114 | 696721 | | |
| 63 | 18.2 | 0.0 | 36.6 |
| 88 | 17.1 | 0.0 | 35.8 |

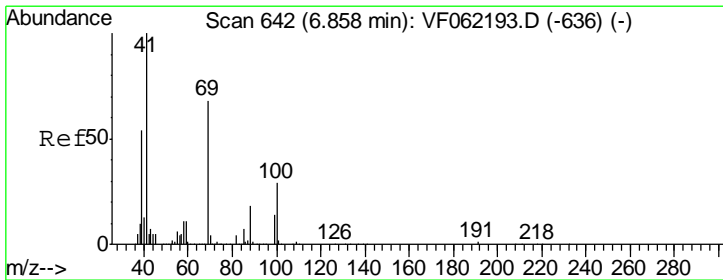
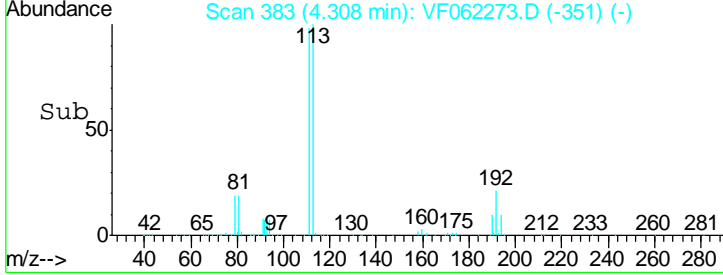
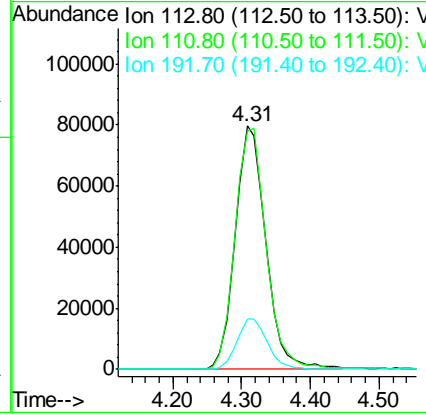
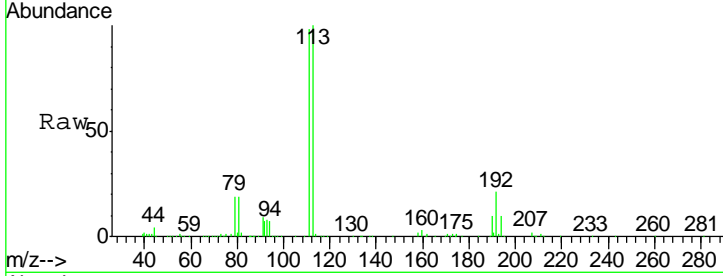




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

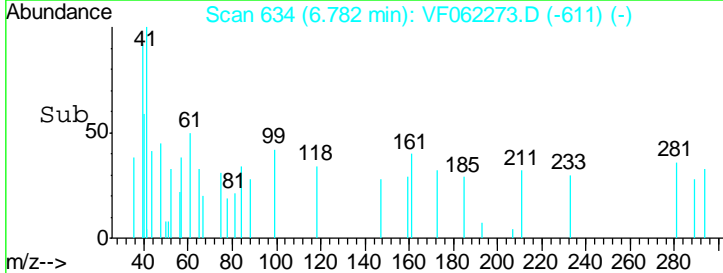
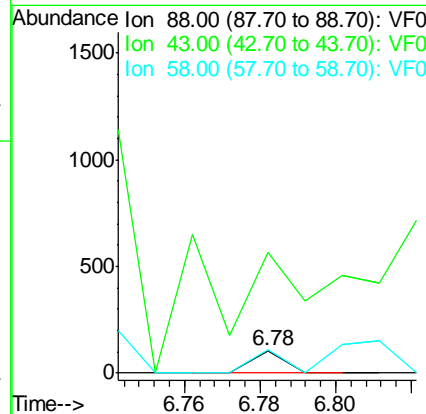
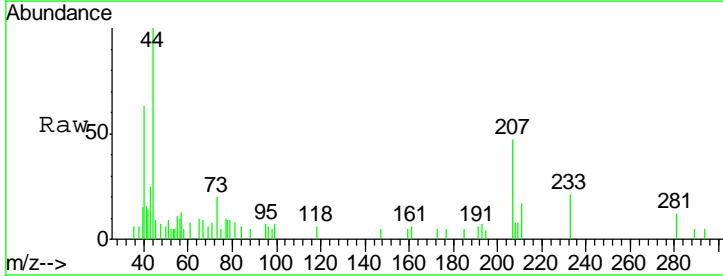
Instrument :
 MSVOA_F
 ClientSampled :

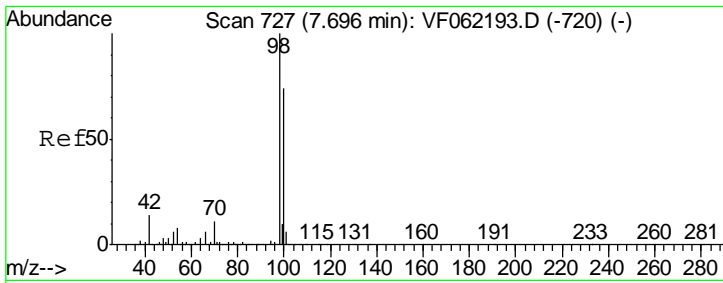
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 113 | 100 | | |
| 111 | 102.0 | 81.1 | 121.7 |
| 192 | 20.8 | 14.7 | 22.1 |



#49
 1,4-Dioxane
 Concen: 1.984 ug/l
 RT: 6.78 min Scan# 634
 Delta R.T. -0.08 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 88 | 100 | | |
| 43 | 0.0 | 36.9 | 55.3# |
| 58 | 0.0 | 56.8 | 85.2# |

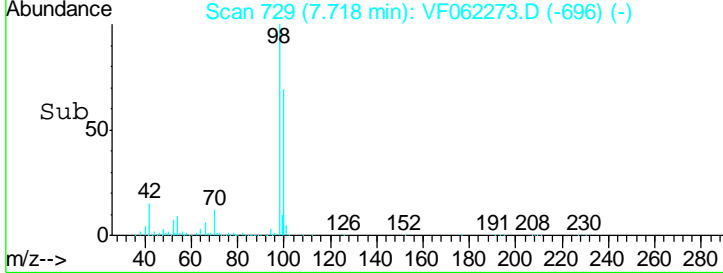
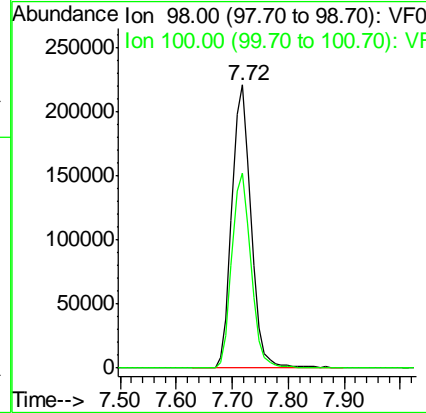
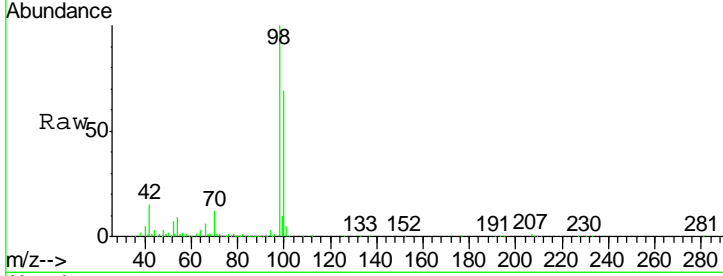




#50
 Toluene-d8
 Concen: 1.984 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

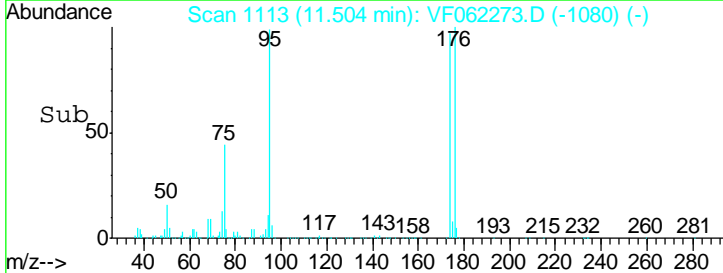
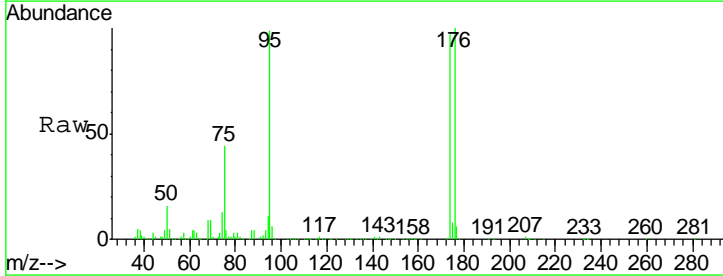
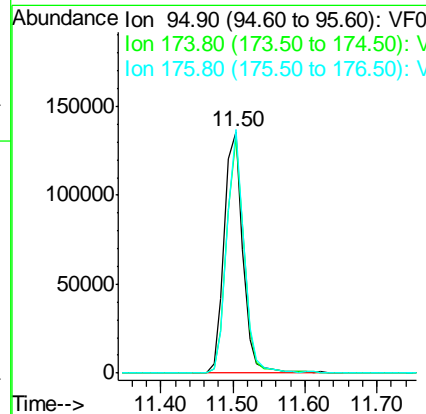
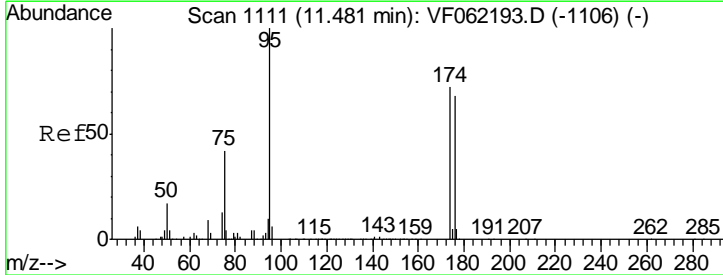
Instrument : MSVOA_F
 ClientSampled :

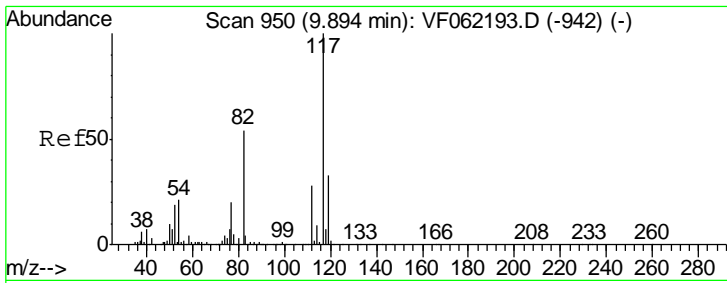
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 98 | 100 | | |
| 100 | 68.8 | 56.2 | 84.2 |



#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 100 | | |
| 174 | 92.7 | 0.0 | 159.4 |
| 176 | 94.0 | 0.0 | 155.4 |

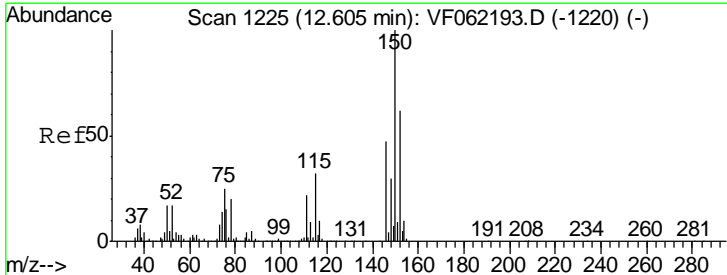
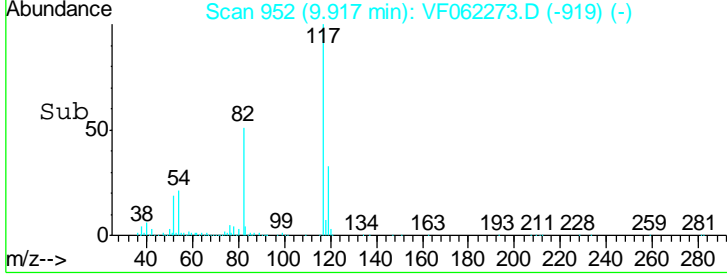
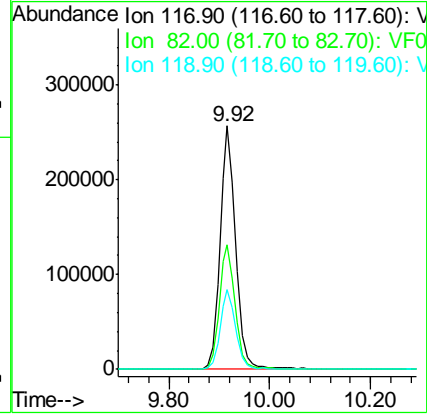
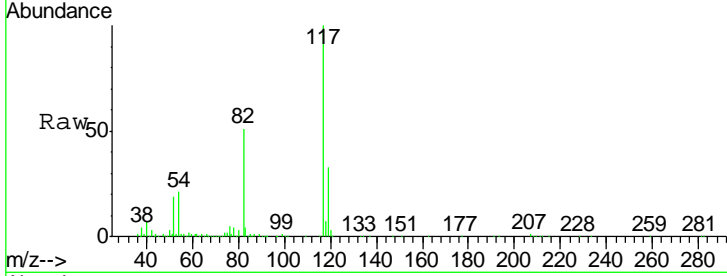




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.92 min Scan# 952
 Delta R.T. 0.02 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

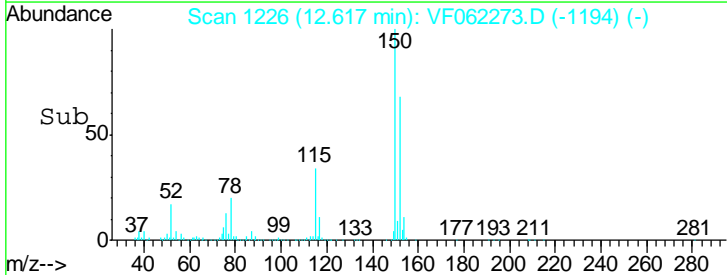
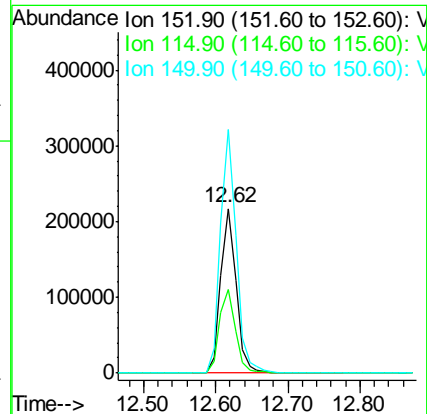
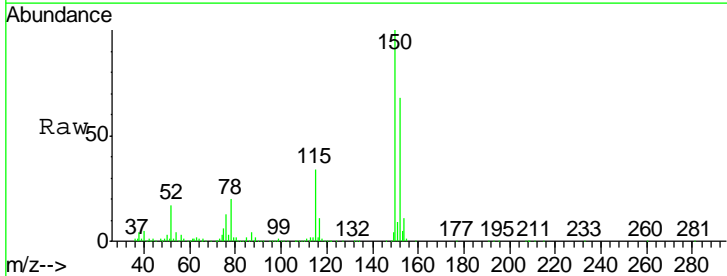
Instrument :
 MSVOA_F
 ClientSampled :

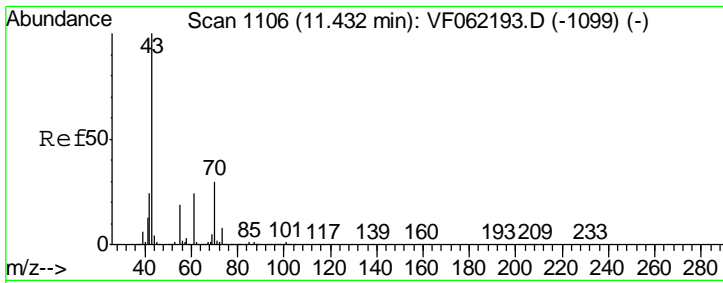
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 82 | 51.1 | 43.2 | 64.8 |
| 119 | 32.9 | 26.2 | 39.4 |



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 152 | 100 | | |
| 115 | 52.9 | 27.8 | 83.3 |
| 150 | 150.5 | 0.0 | 341.8 |

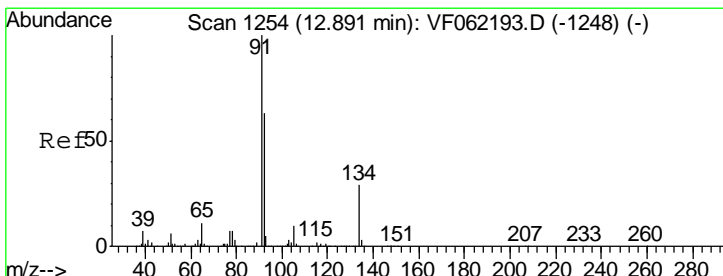
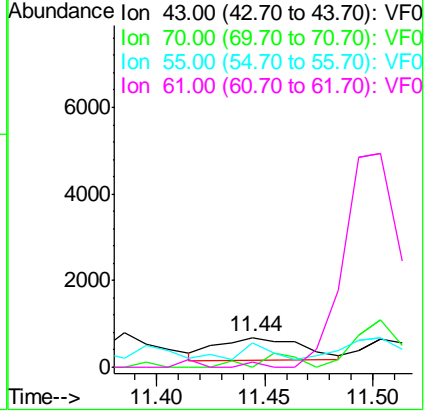
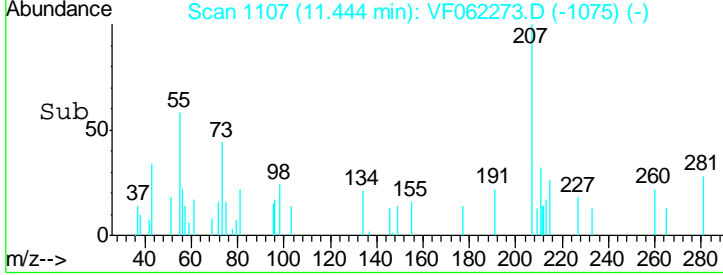
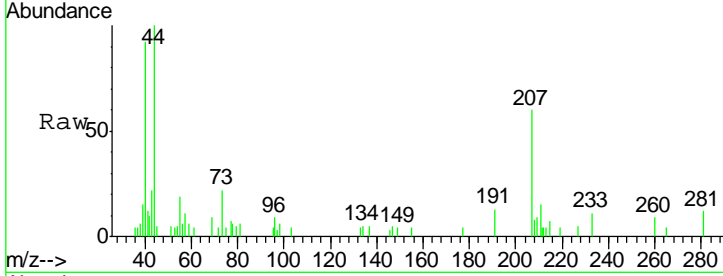




#74
 N-amyl acetate
 Concen: Below Cal
 RT: 11.44 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

Instrument : MSVOA_F
 ClientSampled :

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1416 | | |
| 70 | 29.7 | 27.0 | 40.4 |
| 55 | 24.6 | 15.7 | 23.5# |
| 61 | 0.0 | 20.8 | 31.2# |



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.90 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VF062273.D
 Acq: 23 Apr 2019 19:44

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 2722 | | |
| 92 | 40.5 | 31.2 | 93.6 |
| 134 | 22.8 | 13.1 | 39.1 |

