Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
Data File : VF060896.D
Acq On : 3 Dec 2018 17:27
Operator : VA/AP
Sample : J5764-27RE
Misc : 5.57g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Quant Time: Dec 04 03:11:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.89 | 168 | 1550 | 50.00 | ug/l | -0.02 |
| 34) 1,4-Difluorobenzene | 5.62 | 114 | 2357 | 50.00 | ug/l | -0.02 |
| 63) Chlorobenzene-d5 | 9.80 | 117 | 1595 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.57 | 152 | 545 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.87 | 65 | 409 | 22.40 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 44.80% | | | |
| 35) Dibromofluoromethane | 4.15 | 113 | 310 | 16.58 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 33.16% | | | |
| 50) Toluene-d8 | 7.57 | 98 | 2187 | 39.71 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 79.42% | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 459 | 18.34 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 36.68% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.09 | 50 | 88 | 5.835 | ug/l # | 41 |
| 4) Vinyl Chloride | 1.17 | 62 | 64 | 4.550 | ug/l # | 42 |
| 5) Bromomethane | 1.33 | 94 | 523 | 52.726 | ug/l # | 2 |
| 6) Chloroethane | 1.41 | 64 | 60 | 9.867 | ug/l # | 1 |
| 8) Diethyl Ether | 1.74 | 74 | 165 | 38.017 | ug/l # | 16 |
| 9) 1,1,2-Trichlorotrifluoroet | 1.85 | 101 | 62 | 4.063 | ug/l # | 20 |
| 10) Methyl Iodide | 1.89 | 142 | 83 | 3.579 | ug/l # | 26 |
| 11) Tert butyl alcohol | 2.51 | 59 | 156 | 208.416 | ug/l # | 1 |
| 12) 1,1-Dichloroethene | 1.78 | 96 | 64 | 5.215 | ug/l # | 1 |
| 13) Acrolein | 2.07 | 56 | 1176 | 1658.251 | ug/l # | 68 |
| 14) Allyl chloride | 2.13 | 41 | 456 | 29.810 | ug/l # | 53 |
| 15) Acrylonitrile | 2.96 | 53 | 464 | 276.506 | ug/l # | 14 |
| 16) Acetone | 2.25 | 43 | 475 | 141.068 | ug/l # | 65 |
| 17) Carbon Disulfide | 1.97 | 76 | 79 | 2.401 | ug/l # | 68 |
| 18) Methyl Acetate | 2.29 | 43 | 420 | 75.181 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 2.45 | 73 | 99 | 3.581 | ug/l # | 1 |
| 20) Methylene Chloride | 2.24 | 84 | 169 | 13.681 | ug/l # | 8 |
| 21) trans-1,2-Dichloroethene | 2.34 | 96 | 147 | 12.424 | ug/l # | 5 |
| 22) Diisopropyl ether | 2.79 | 45 | 497 | 11.936 | ug/l # | 10 |
| 23) Vinyl Acetate | 3.20 | 43 | 1590 | 83.537 | ug/l # | 80 |
| 24) 1,1-Dichloroethane | 2.92 | 63 | 65 | 2.624 | ug/l # | 86 |
| 25) 2-Butanone | 4.34 | 43 | 155 | 26.614 | ug/l # | 57 |
| 26) 2,2-Dichloropropane | 3.71 | 77 | 152 | 9.464 | ug/l # | 60 |
| 29) Tetrahydrofuran | 4.13 | 42 | 151 | 61.166 | ug/l # | 37 |
| 30) Chloroform | 3.84 | 83 | 72 | 1.888 | ug/l # | 17 |
| 31) Cyclohexane | 3.69 | 56 | 68 | 2.645 | ug/l # | 15 |
| 32) 1,1,1-Trichloroethane | 4.17 | 97 | 81 | 3.063 | ug/l # | 22 |
| 37) Ethyl Acetate | 4.15 | 43 | 227 | 21.367 | ug/l # | 14 |
| 39) Methylcyclohexane | 5.52 | 83 | 80 | 2.920 | ug/l # | 13 |
| 40) Benzene | 4.68 | 78 | 63 | 1.091 | ug/l # | 52 |
| 41) Methacrylonitrile | 4.79 | 41 | 442 | 82.909 | ug/l # | 23 |
| 43) Isopropyl Acetate | 6.96 | 43 | 65 | 2.368 | ug/l # | 49 |
| 48) Methyl methacrylate | 6.73 | 41 | 60 | 6.239 | ug/l # | 18 |
| 51) 4-Methyl-2-Pentanone | 8.25 | 43 | 266 | 27.151 | ug/l # | 38 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120318\
Data File : VF060896.D
Acq On : 3 Dec 2018 17:27
Operator : VA/AP
Sample : J5764-27RE
Misc : 5.57g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Quant Time: Dec 04 03:11:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 52) Toluene | 7.57 | 92 | 73 | 1.799 ug/l # | 1 |
| 54) cis-1,3-Dichloropropene | 7.41 | 75 | 67 | 2.462 ug/l # | 26 |
| 56) Ethyl methacrylate | 8.69 | 69 | 67 | 5.102 ug/l # | 5 |
| 59) 2-Hexanone | 9.51 | 43 | 100 | 14.549 ug/l # | 27 |
| 60) Dibromochloromethane | 8.72 | 129 | 70 | 3.974 ug/l # | 12 |
| 74) N-amyl acetate | 11.39 | 43 | 331 | 33.282 ug/l # | 45 |
| 75) 1,1,2,2-Tetrachloroethane | 11.70 | 83 | 73 | 10.299 ug/l # | 25 |
| 78) n-propylbenzene | 11.58 | 91 | 78 | 1.546 ug/l # | 56 |
| 79) 2-Chlorotoluene | 11.58 | 91 | 78 | 2.697 ug/l # | 43 |
| 84) 1,2,4-Trimethylbenzene | 12.23 | 105 | 63 | 1.805 ug/l # | 29 |
| 85) sec-Butylbenzene | 12.23 | 105 | 63 | 1.292 ug/l # | 58 |
| 89) n-Butylbenzene | 12.72 | 91 | 70 | 1.694 ug/l # | 27 |
| 90) Hexachloroethane | 12.86 | 117 | 76 | 7.721 ug/l # | 25 |
| 94) Hexachlorobutadiene | 14.32 | 225 | 63 | 7.952 ug/l # | 18 |

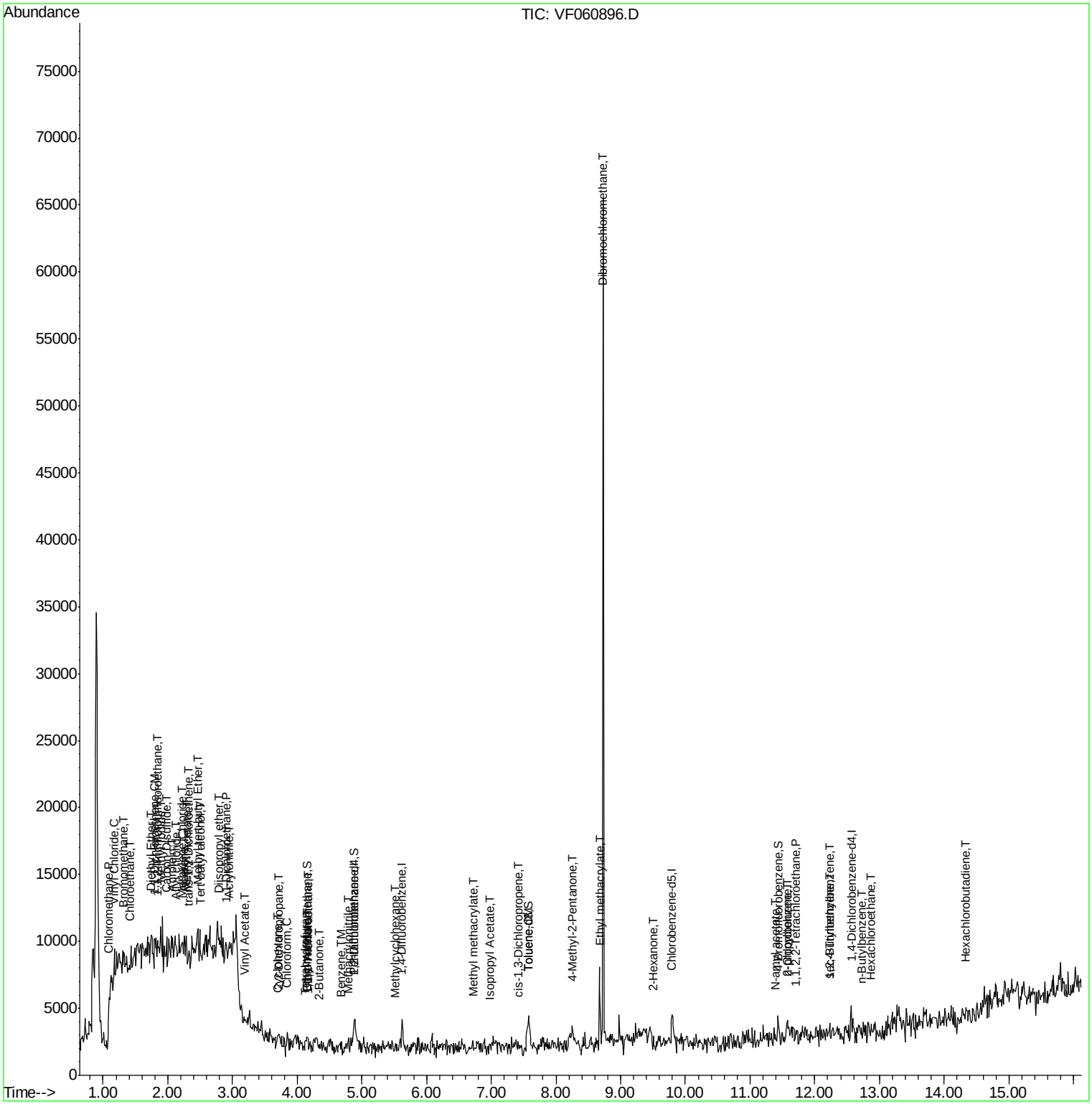
(#) = qualifier out of range (m) = manual integration (+) = signals summed

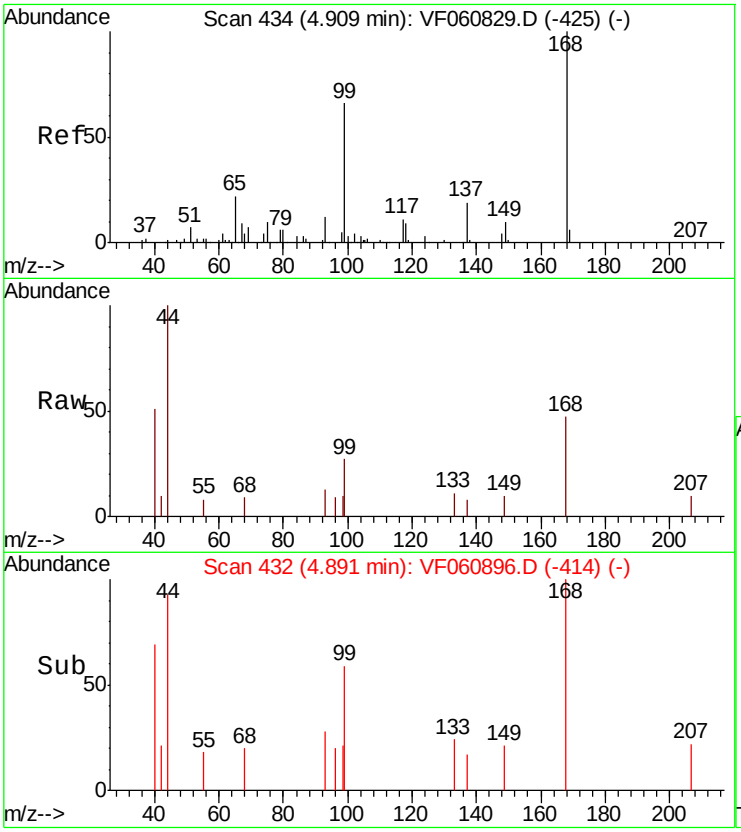
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
Data File : VF060896.D
Acq On : 3 Dec 2018 17:27
Operator : VA/AP
Sample : J5764-27RE
Misc : 5.57g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Quant Time: Dec 04 03:11:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration



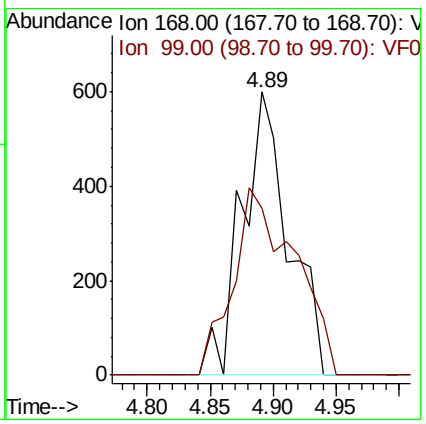


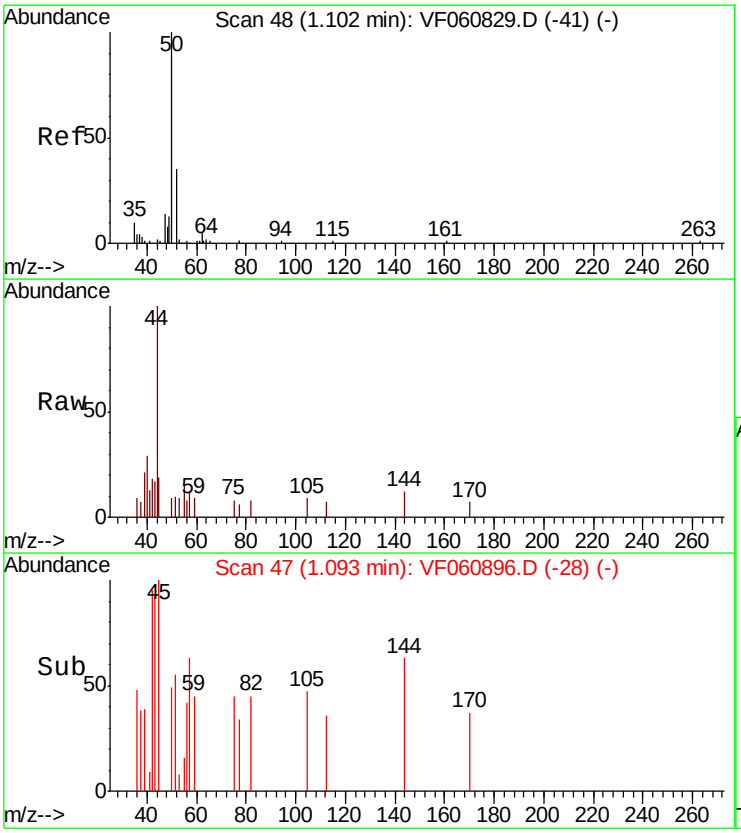

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion:168 Resp: 1550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.8 | 52.6 | 79.0 |

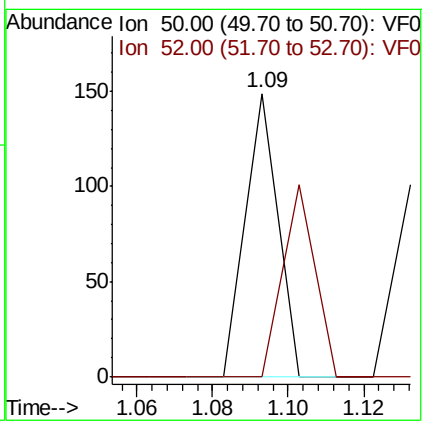


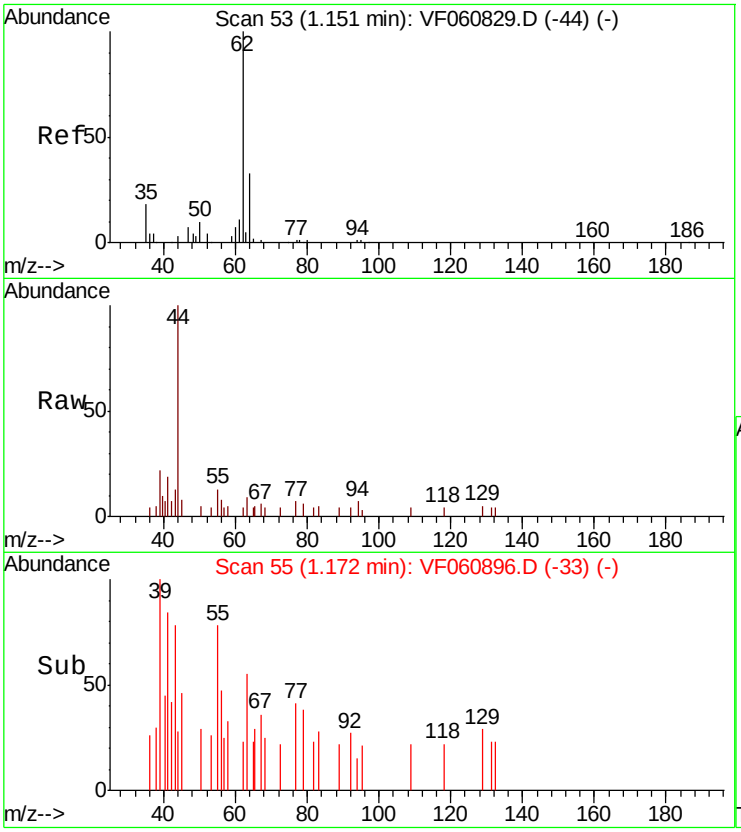




#3
Chloromethane
Concen: 5.835 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 50 Resp: 88

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 27.0 | 40.4# |



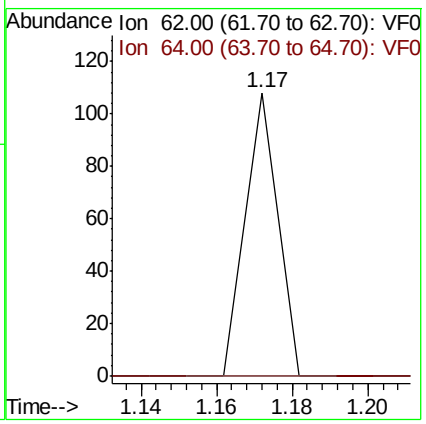


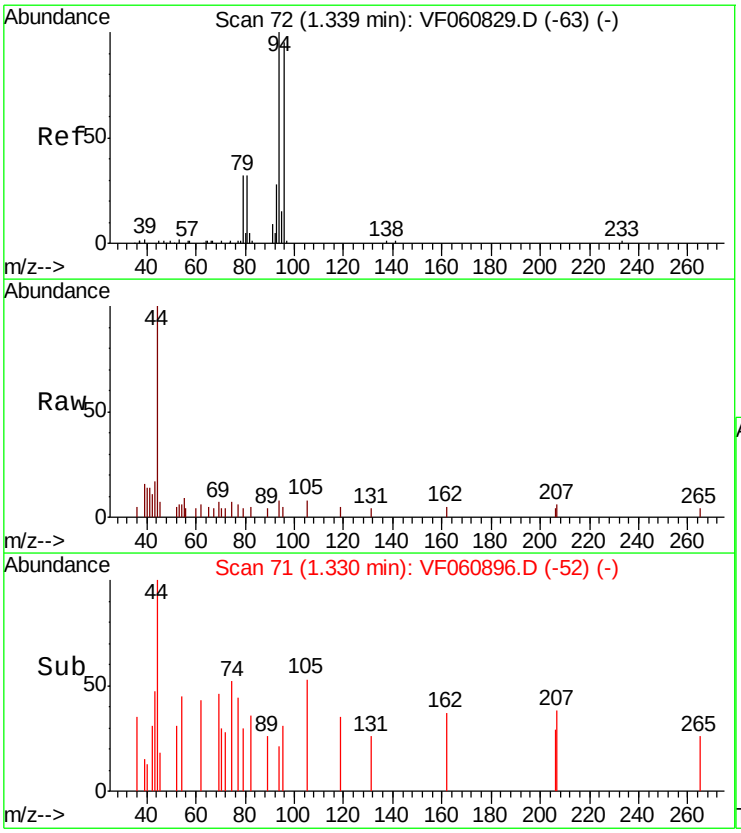

#4
Vinyl Chloride
Concen: 4.550 ug/l
RT: 1.17 min Scan# 55
Delta R.T. 0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 62 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 26.4 | 39.6# |

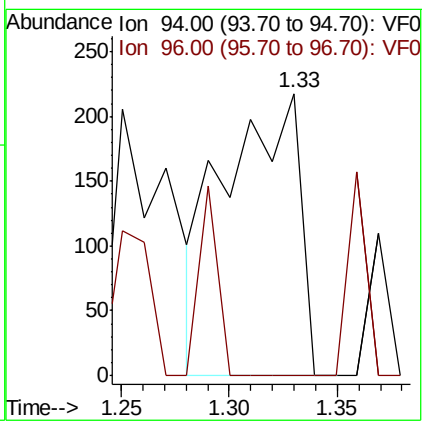


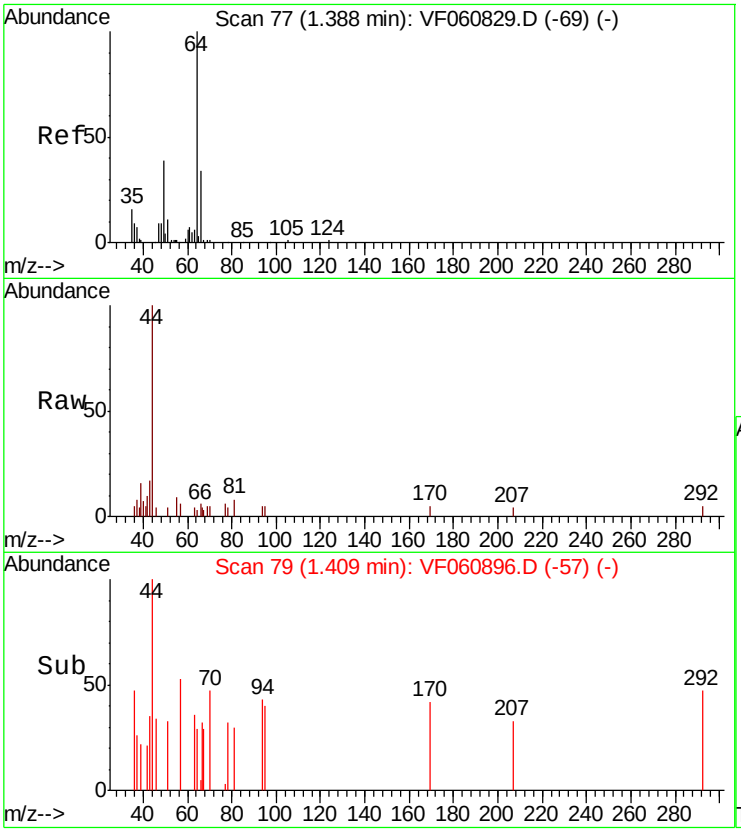




#5
Bromomethane
Concen: 52.726 ug/l
RT: 1.33 min Scan# 71
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 94 Resp: 523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 75.9 | 113.9# |



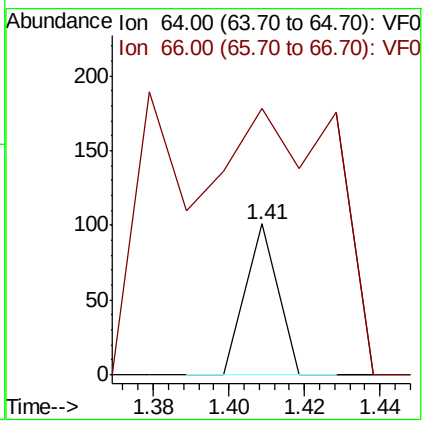


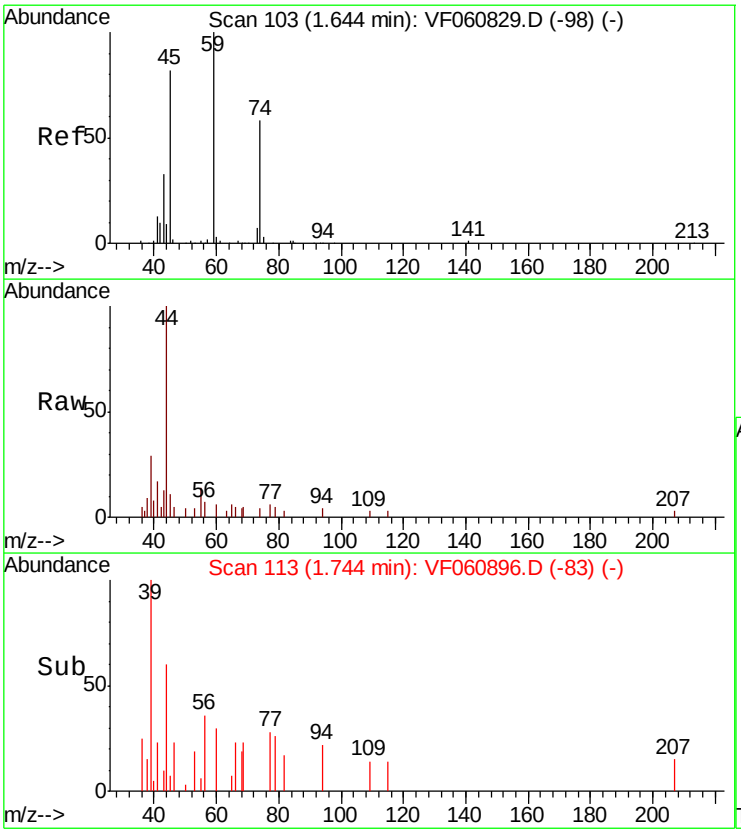

#6
Chloroethane
Concen: 9.867 ug/l
RT: 1.41 min Scan# 79
Delta R.T. 0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 64 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 176.2 | 28.1 | 42.1# |

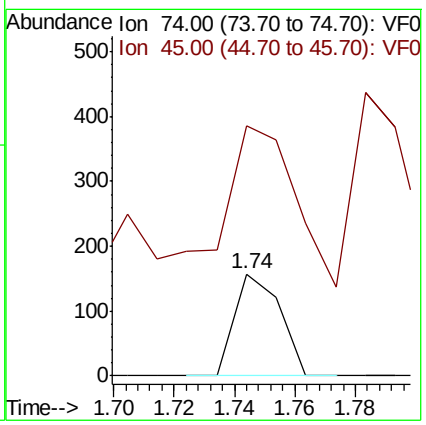


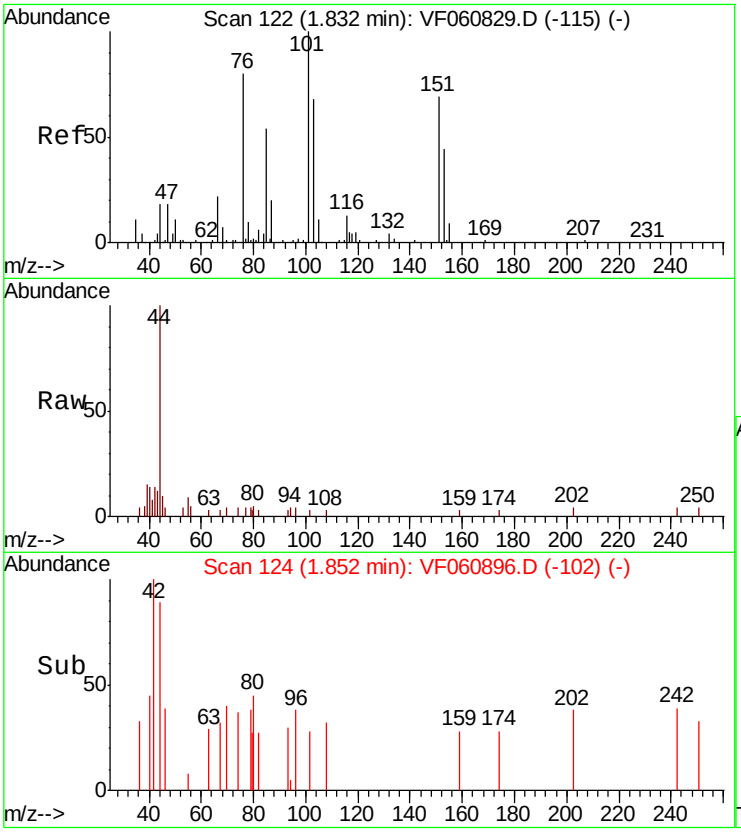




#8
Diethyl Ether
Concen: 38.017 ug/l
RT: 1.74 min Scan# 113
Delta R.T. 0.10 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 74 Resp: 165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 245.2 | 71.0 | 212.8# |



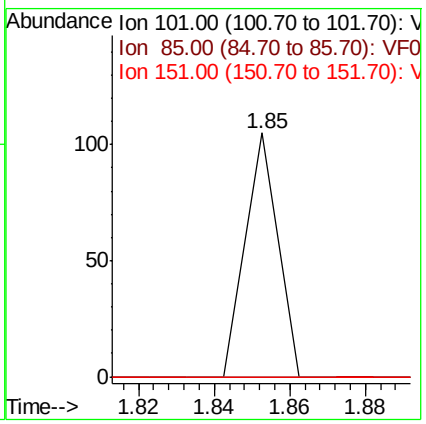


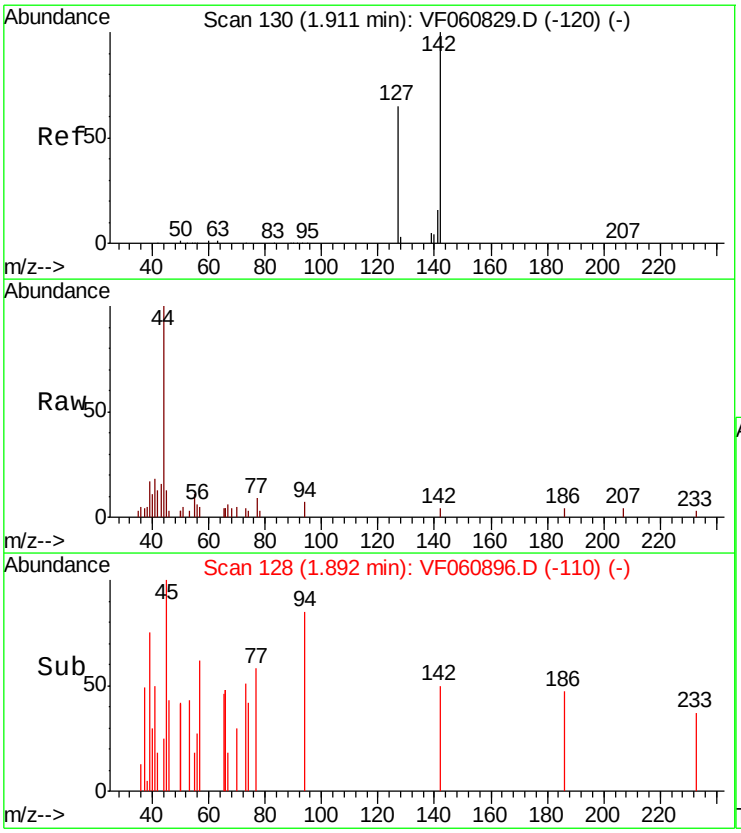

#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.063 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion:101 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 42.8 | 64.2# |
| 151 | 0.0 | 54.4 | 81.6# |

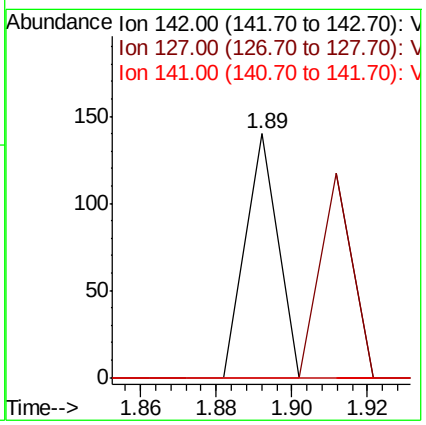


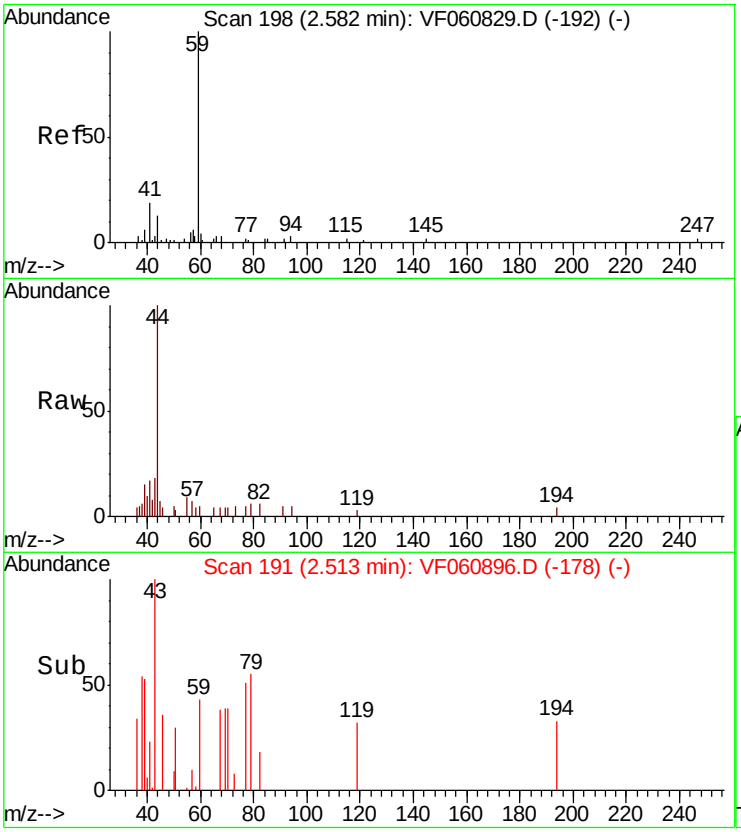




#10
Methyl Iodide
Concen: 3.579 ug/l
RT: 1.89 min Scan# 128
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:142 Resp: 83

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 51.9 | 77.9# |
| 141 | 0.0 | 12.7 | 19.1# |



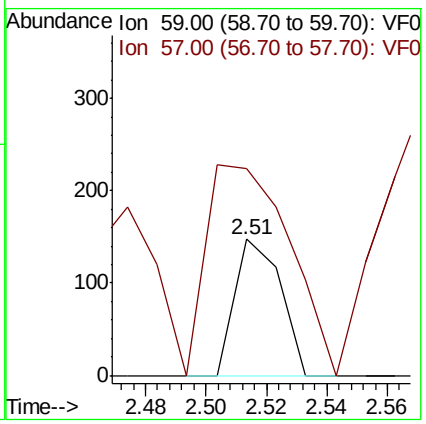


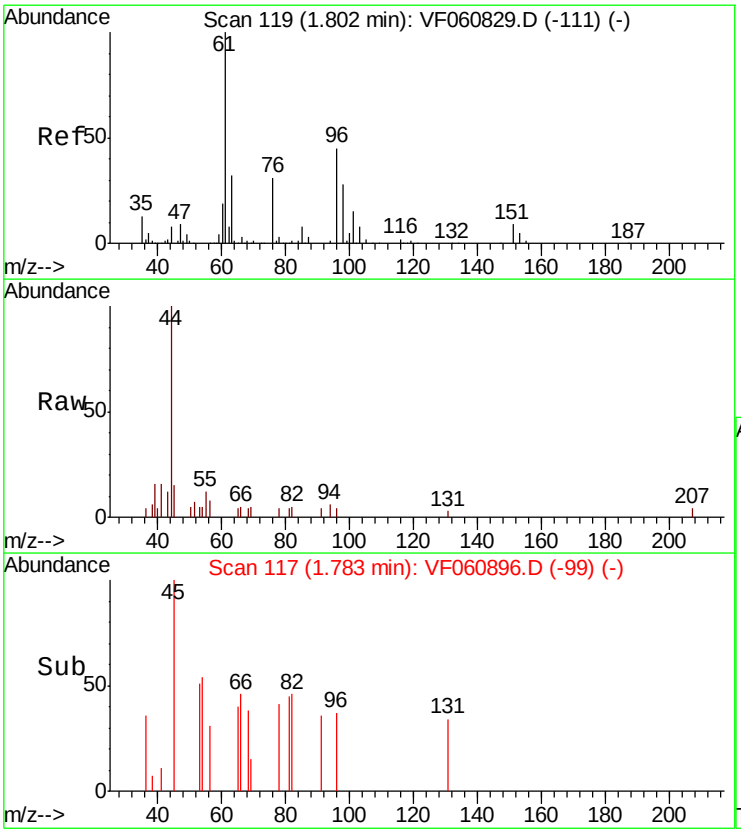

#11
Tert butyl alcohol
Concen: 208.416 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.07 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 59 Resp: 156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 152.4 | 12.7 | 19.1# |

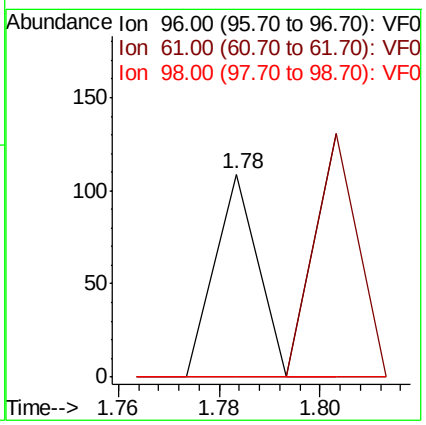


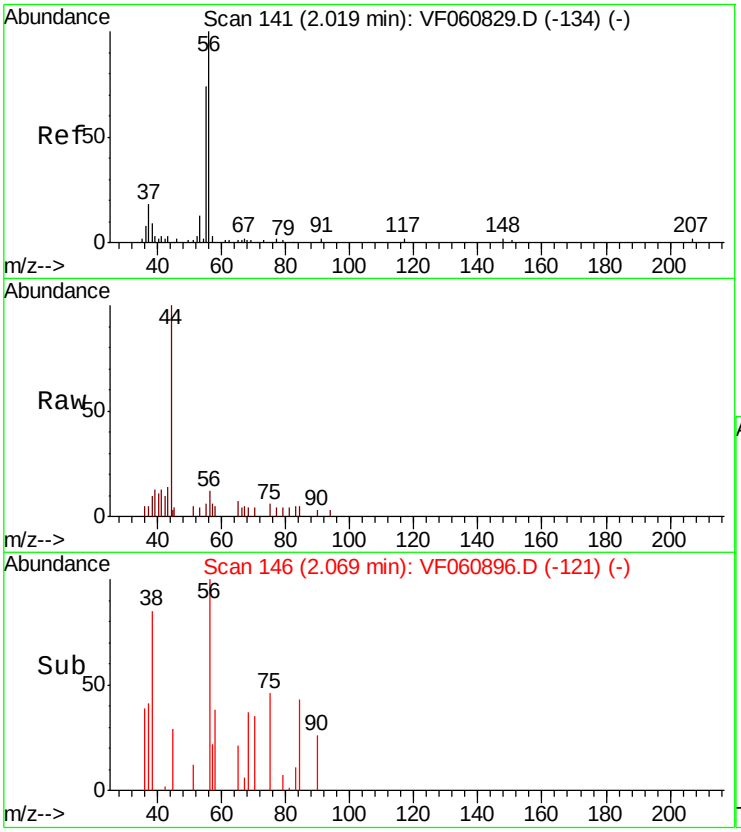




#12
1,1-Dichloroethene
Concen: 5.215 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 96 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 177.3 | 265.9# |
| 98 | 0.0 | 49.6 | 74.4# |



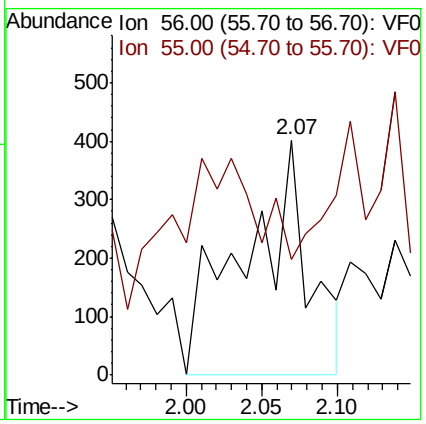


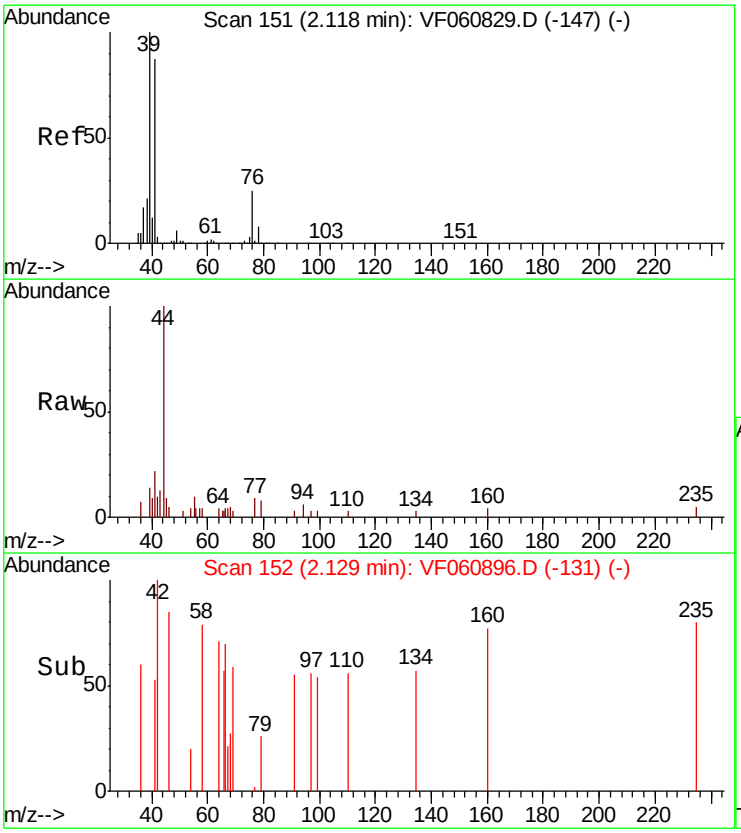

#13
Acrolein
Concen: 1658.251 ug/l
RT: 2.07 min Scan# 146
Delta R.T. 0.05 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 56 Resp: 1176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 49.3 | 61.2 | 91.8# |

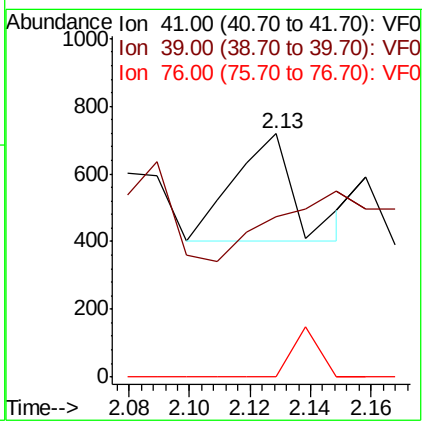


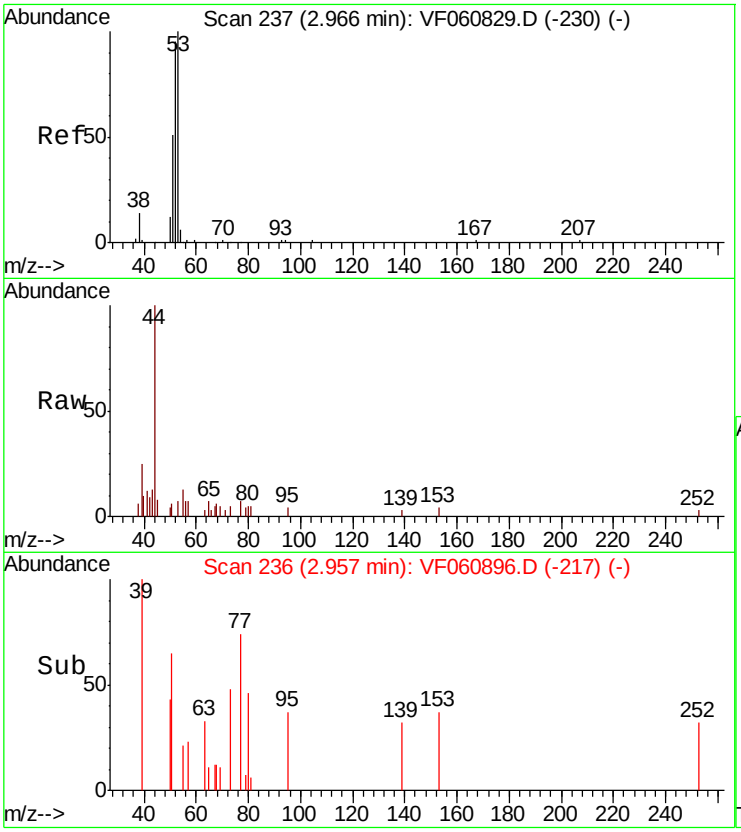




#14
Allyl chloride
Concen: 29.810 ug/l
RT: 2.13 min Scan# 152
Delta R.T. 0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 41 Resp: 456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.8 | 91.7 | 137.5# |
| 76 | 0.0 | 23.5 | 35.3# |



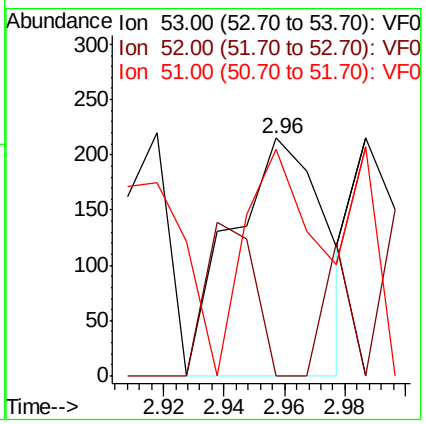


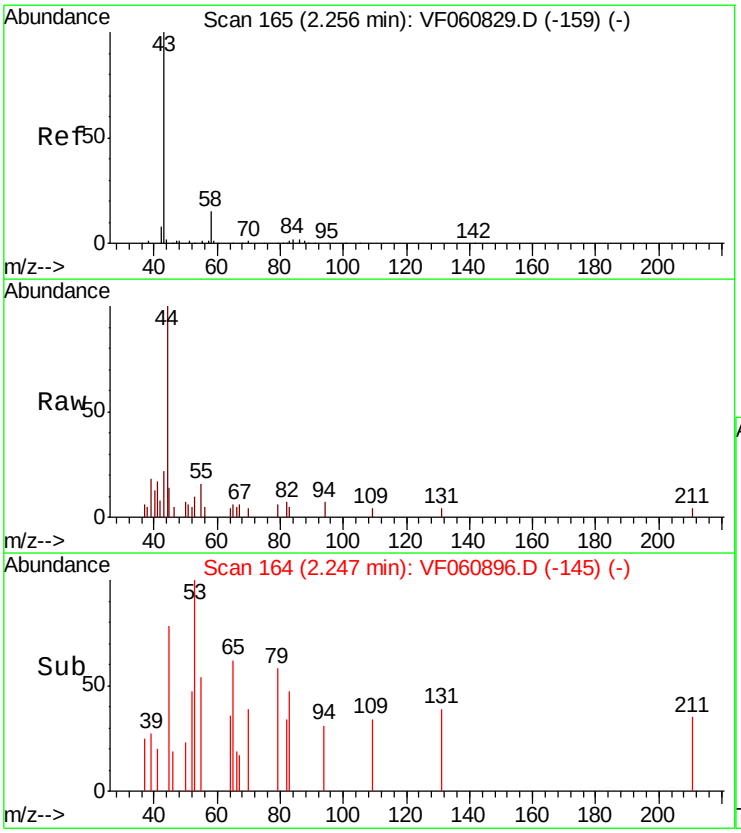

#15
Acrylonitrile
Concen: 276.506 ug/l
RT: 2.96 min Scan# 236
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 53 Resp: 464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 76.5 | 114.7# |
| 51 | 95.3 | 40.7 | 61.1# |

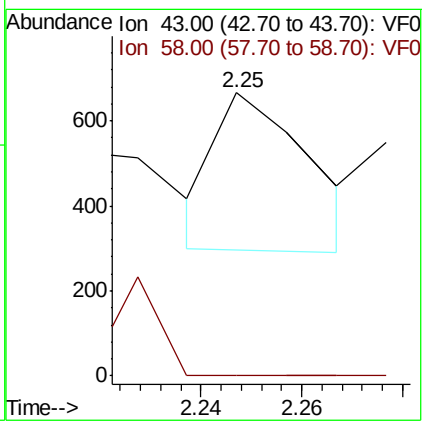


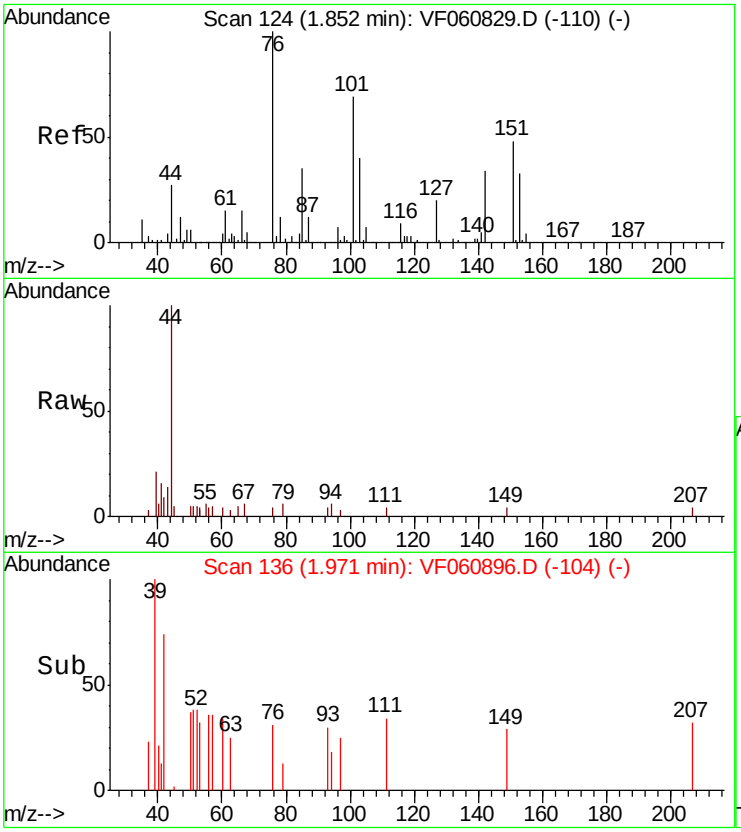




#16
Acetone
Concen: 141.068 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 11.4 | 17.2# |



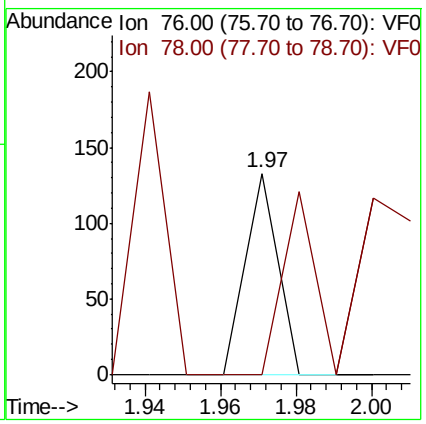


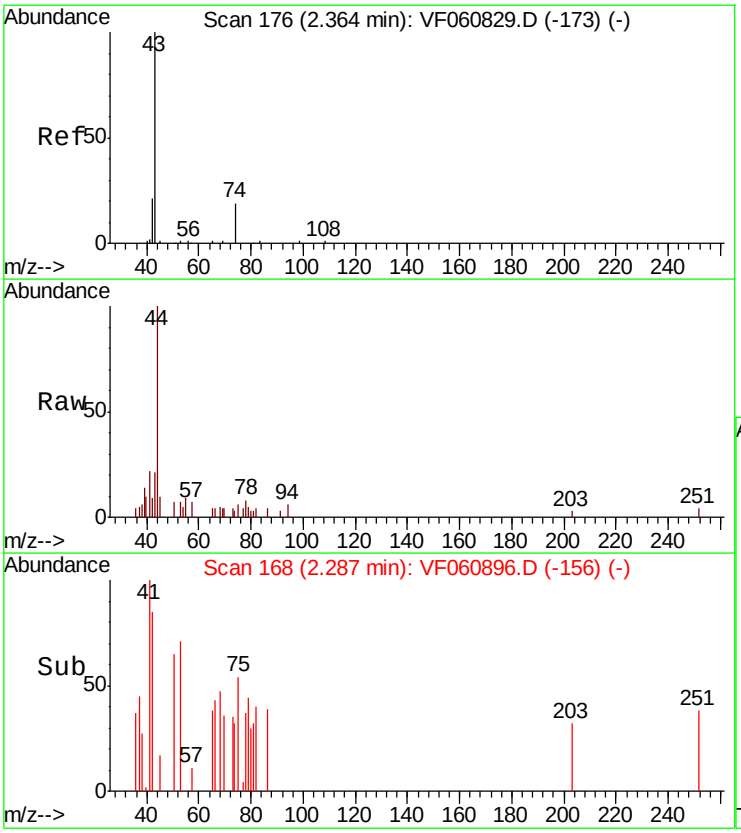

#17
Carbon Disulfide
Concen: 2.401 ug/l
RT: 1.97 min Scan# 136
Delta R.T. 0.12 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 76 Resp: 79

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 10.2 | 15.2# |

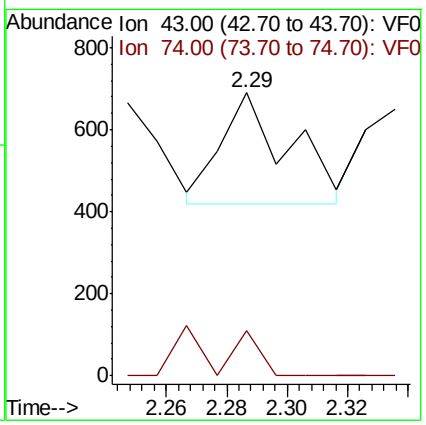


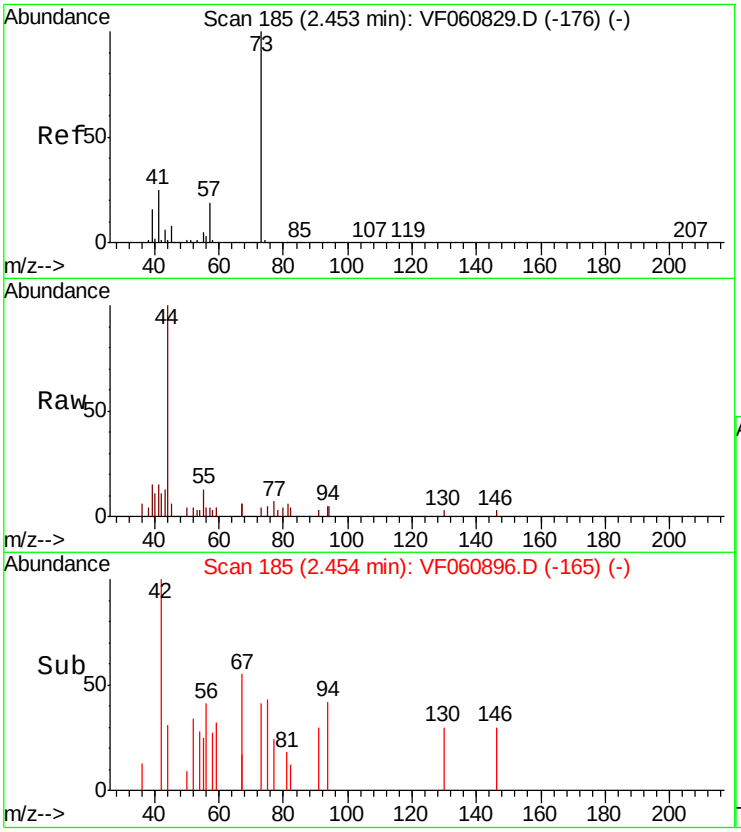




#18
Methyl Acetate
Concen: 75.181 ug/l
RT: 2.29 min Scan# 168
Delta R.T. -0.08 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 15.8 | 13.3 | 19.9 |



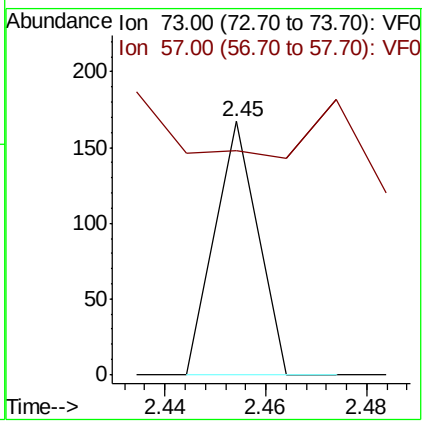


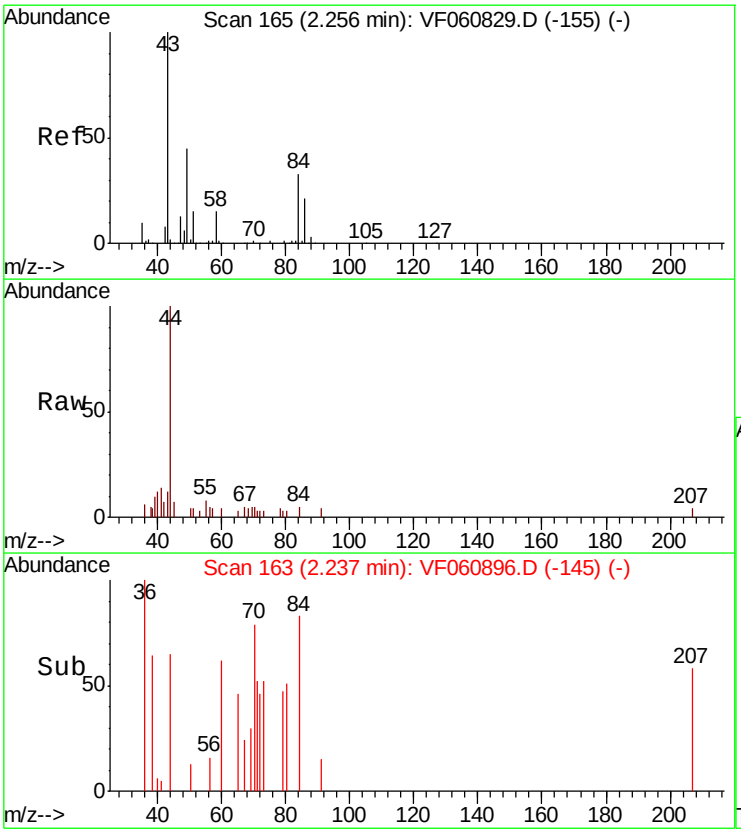

#19
Methyl tert-butyl Ether
Concen: 3.581 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 73 Resp: 99

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 88.6 | 15.3 | 22.9# |

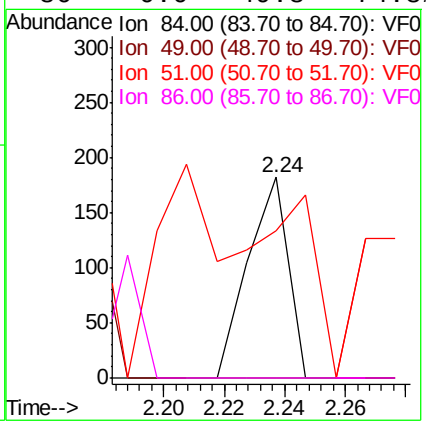


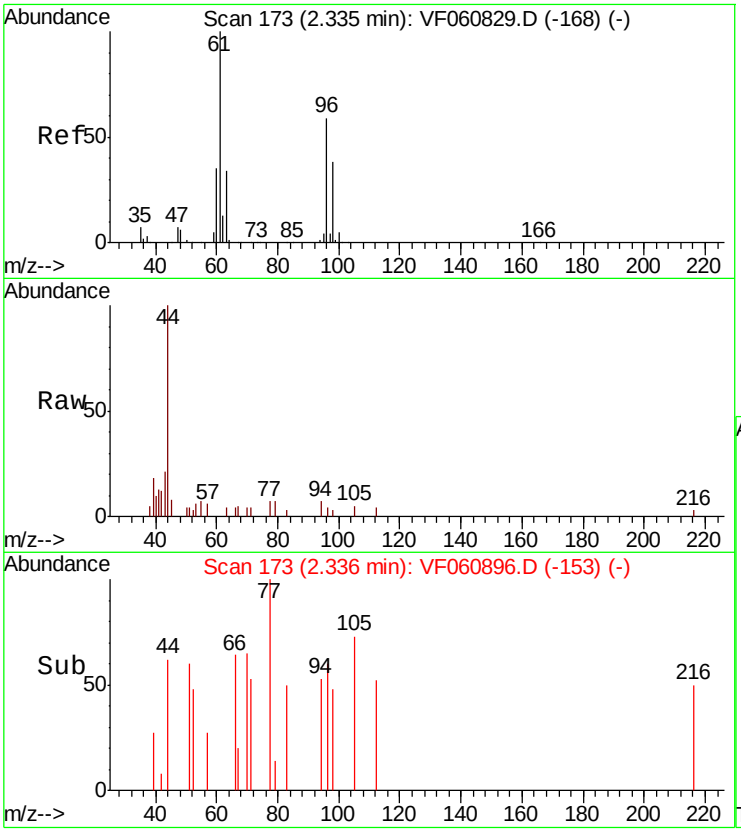




#20
Methylene Chloride
Concen: 13.681 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 84 Resp: 169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 0.0 | 111.3 | 166.9# |
| 51 | 73.1 | 38.0 | 57.0# |
| 86 | 0.0 | 49.8 | 74.8# |



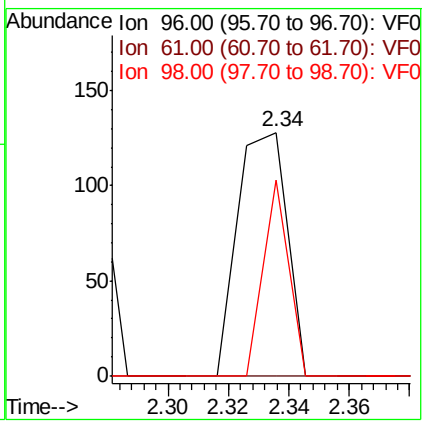


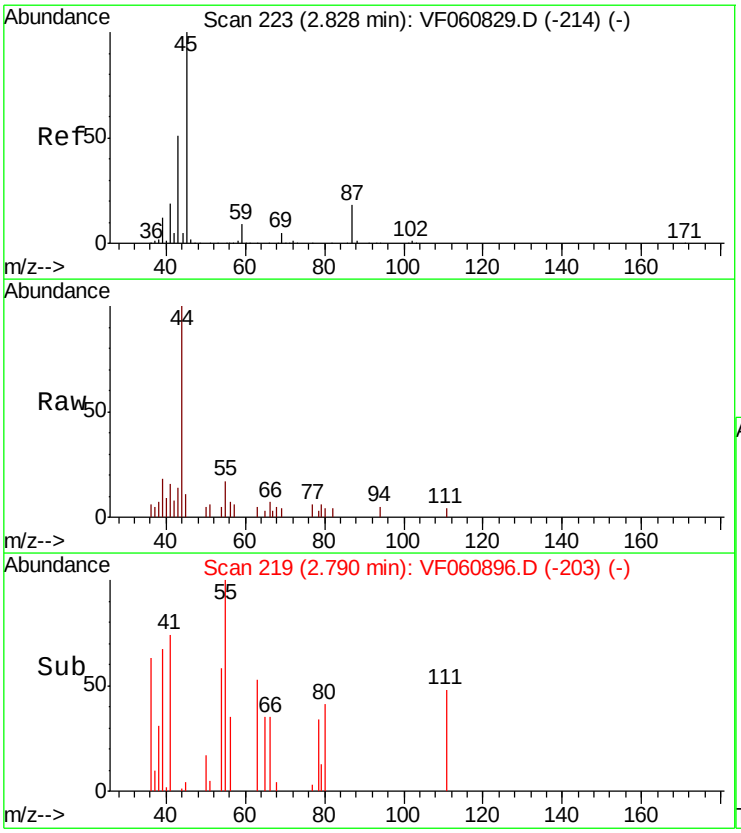

#21
trans-1,2-Dichloroethene
Concen: 12.424 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 96 Resp: 147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 134.5 | 201.7# |
| 98 | 80.5 | 51.6 | 77.4# |

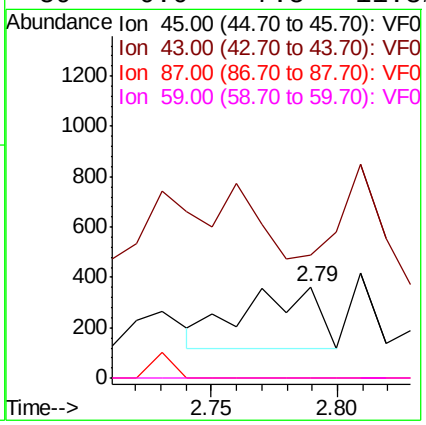


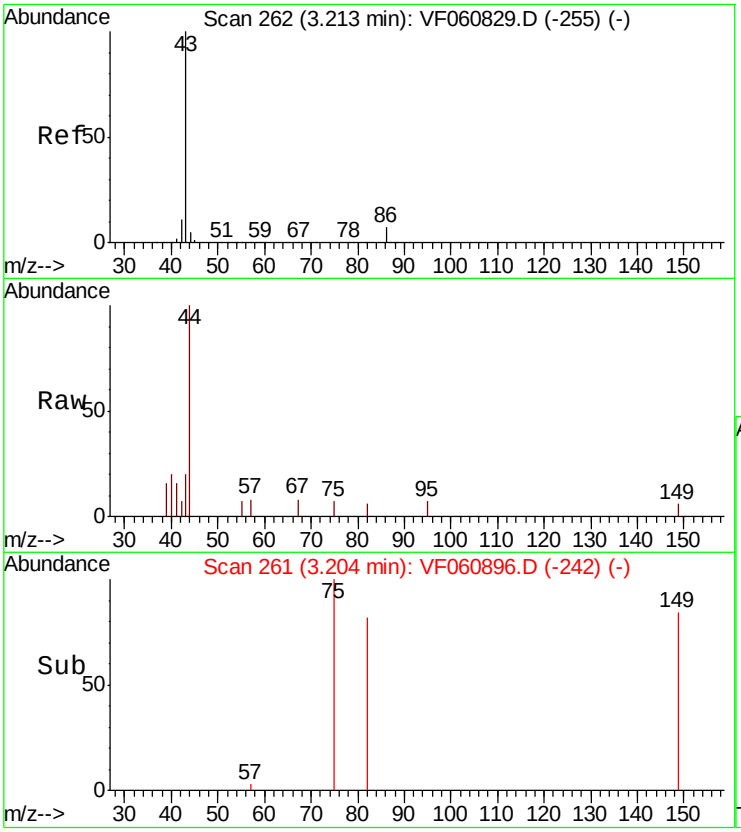




#22
Diisopropyl ether
Concen: 11.936 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 45 Resp: 497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 134.7 | 41.0 | 61.6# |
| 87 | 0.0 | 14.6 | 22.0# |
| 59 | 0.0 | 7.5 | 11.3# |



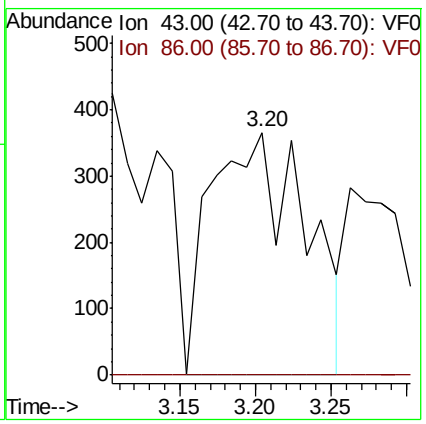


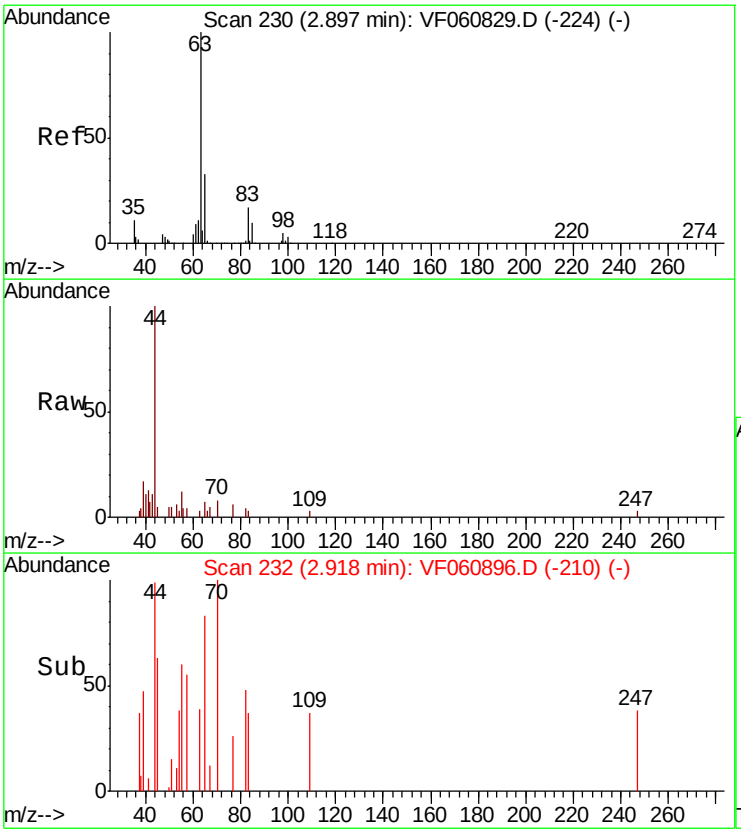

#23
Vinyl Acetate
Concen: 83.537 ug/l
RT: 3.20 min Scan# 261
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 43 Resp: 1590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.0 | 5.4 | 8.0# |

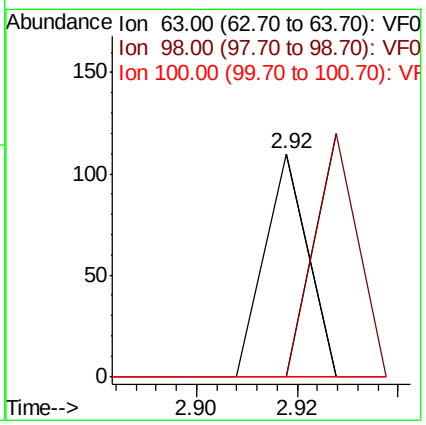


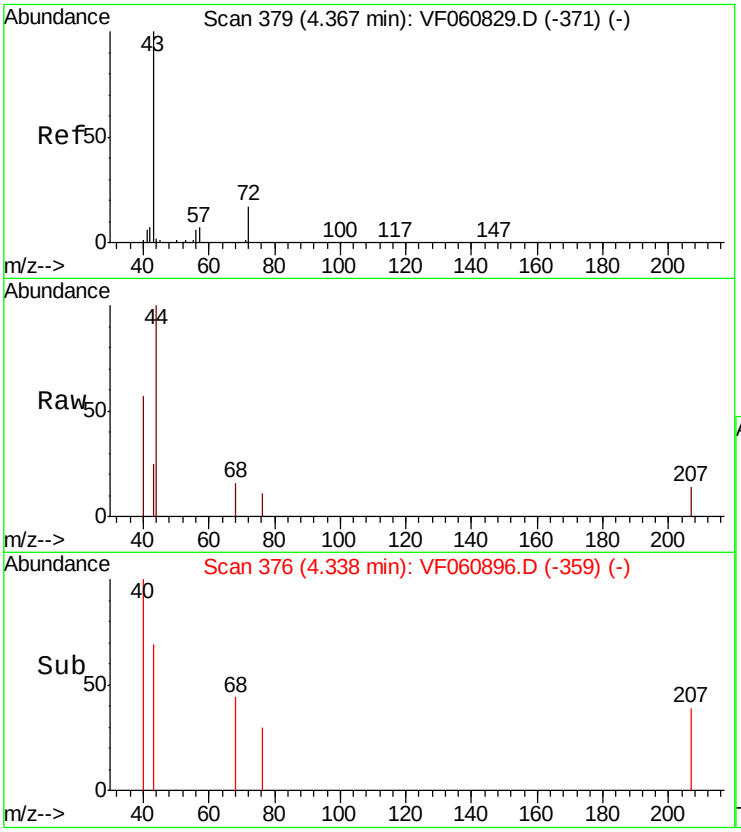




#24
1,1-Dichloroethane
Concen: 2.624 ug/l
RT: 2.92 min Scan# 232
Delta R.T. 0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 63 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 2.7 | 8.1# |
| 100 | 0.0 | 1.5 | 4.5# |



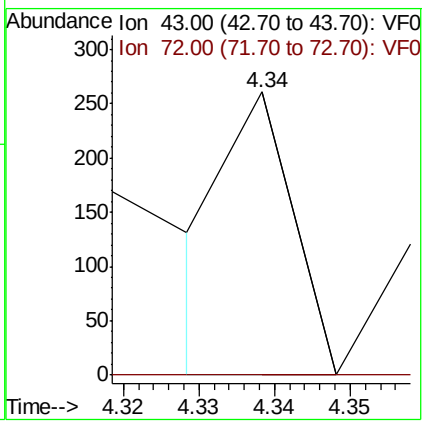


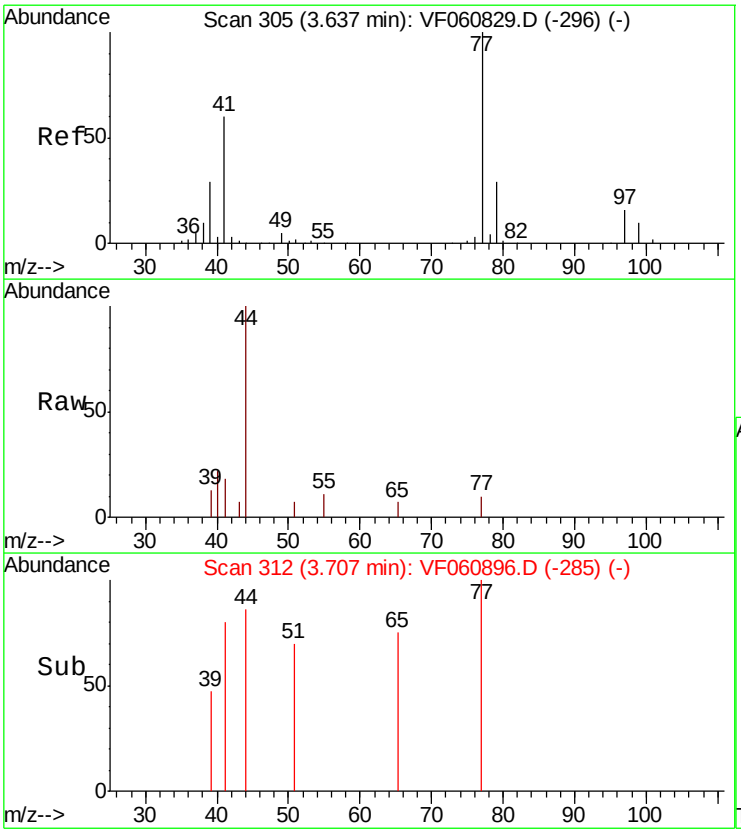

#25
2-Butanone
Concen: 26.614 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 43 Resp: 155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 15.4 | 23.2# |

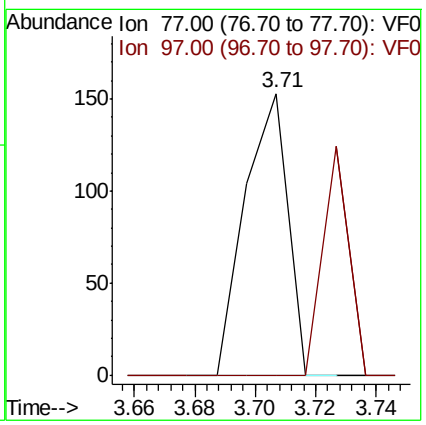


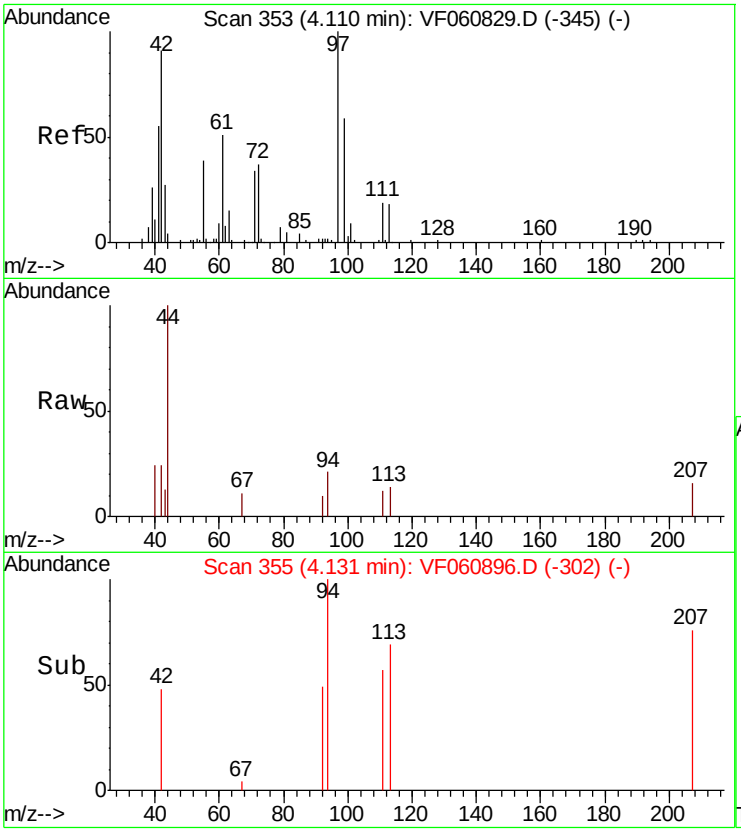




#26
2,2-Dichloropropane
Concen: 9.464 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.07 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 77 Resp: 152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 8.6 | 25.8# |



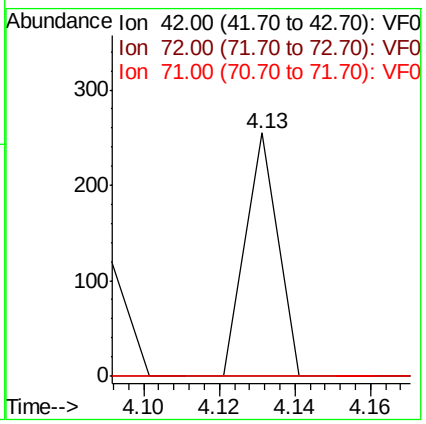


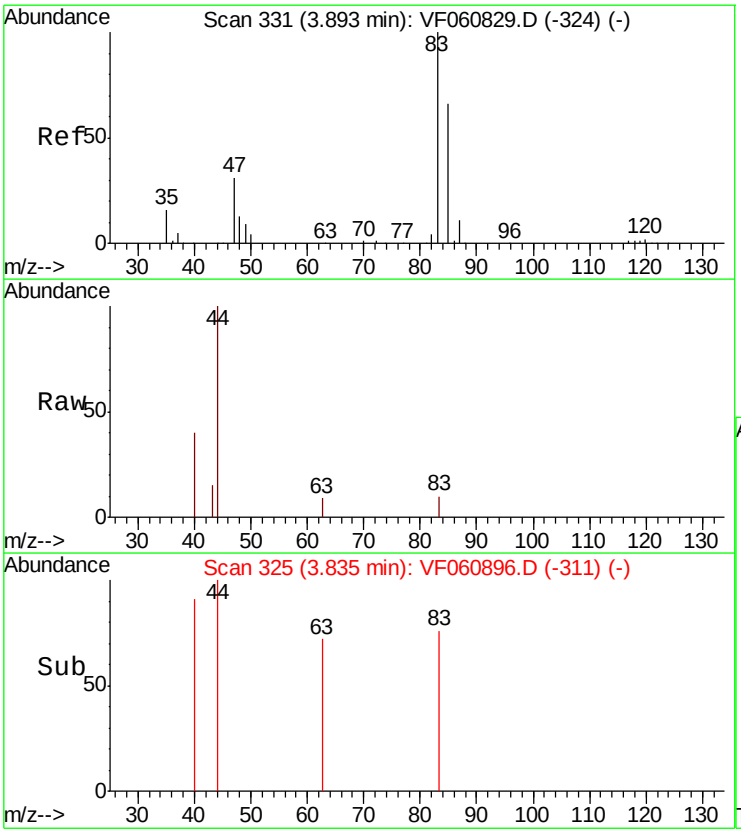

#29
Tetrahydrofuran
Concen: 61.166 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 42 Resp: 151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 31.9 | 47.9# |
| 71 | 0.0 | 28.7 | 43.1# |

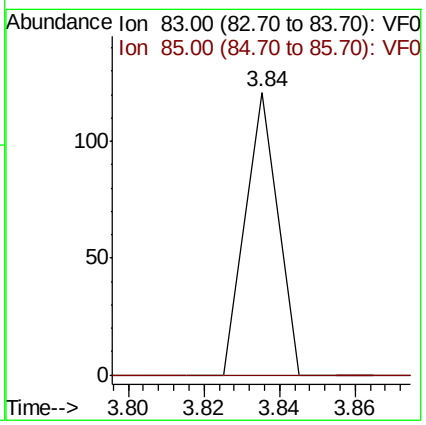


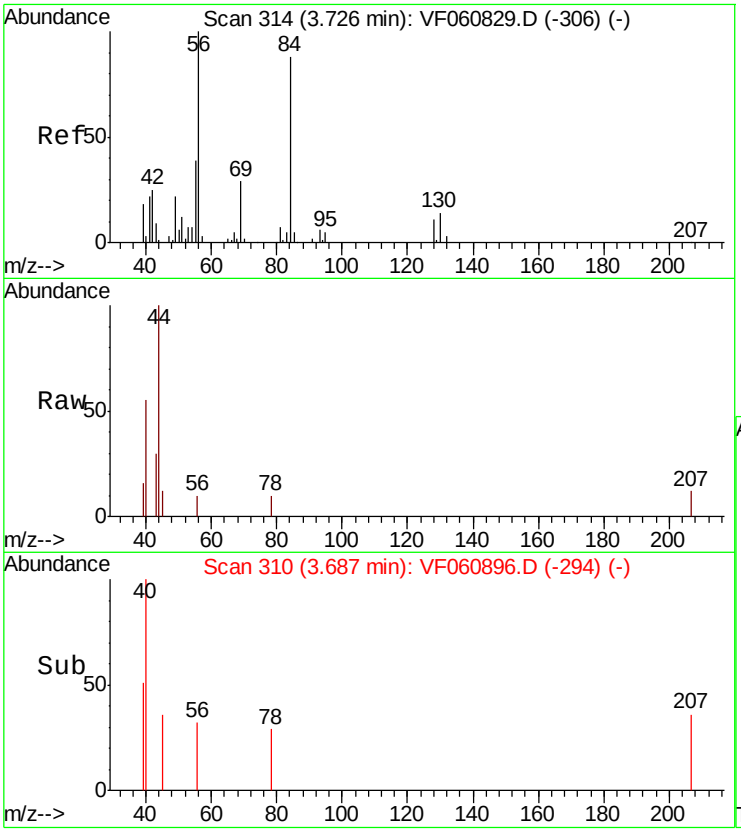




#30
Chloroform
Concen: 1.888 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.06 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 83 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 0.0 | 53.4 | 80.2# |



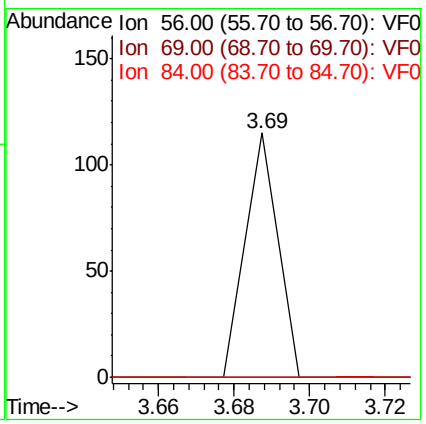


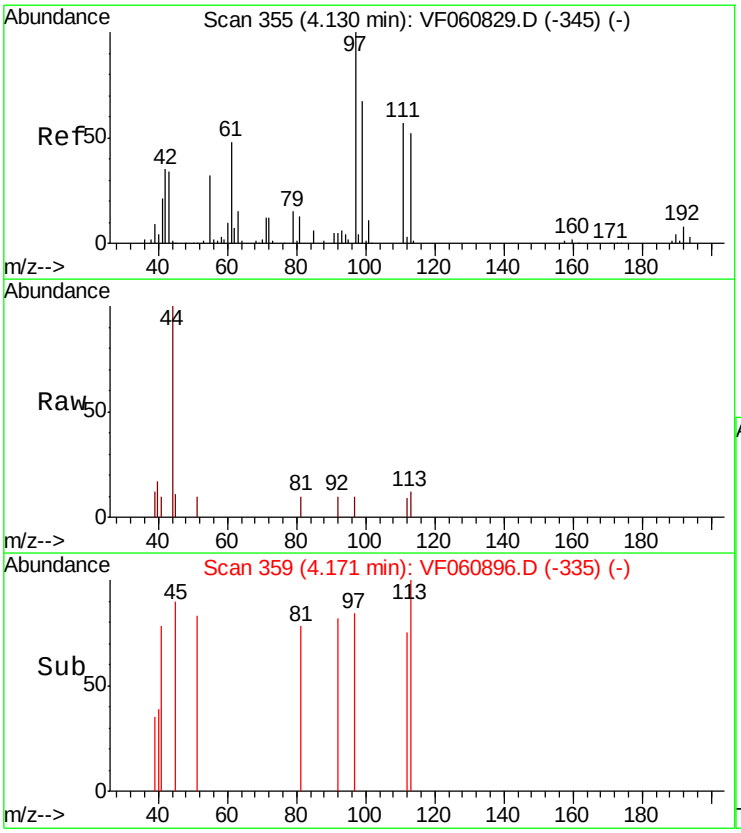

#31
Cyclohexane
Concen: 2.645 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 56 Resp: 68

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 0.0 | 23.0 | 34.4# |
| 84 | 0.0 | 70.4 | 105.6# |

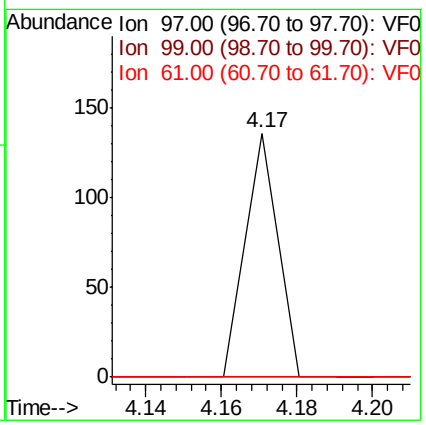


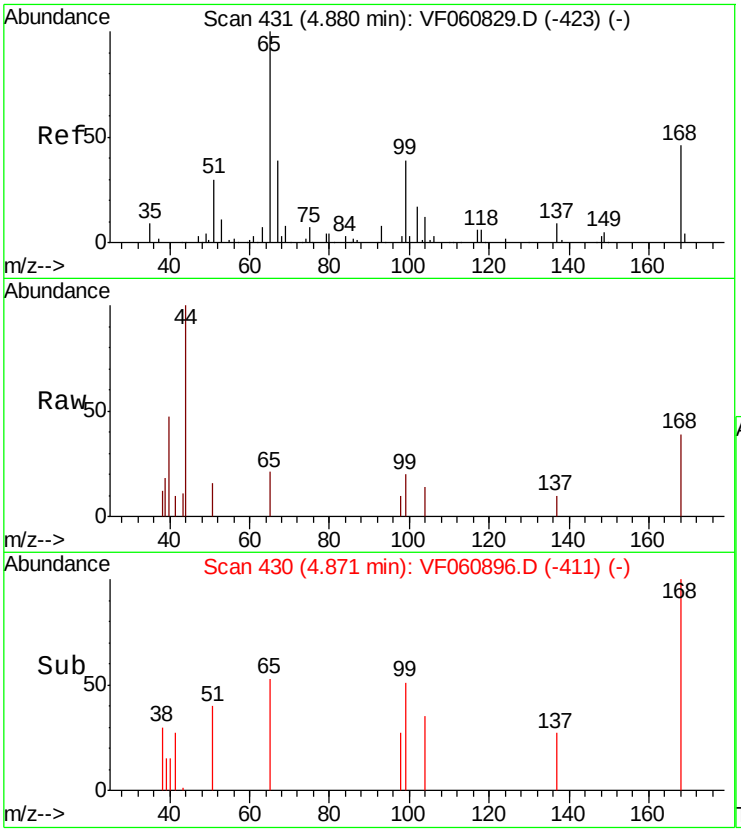




#32
1,1,1-Trichloroethane
Concen: 3.063 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 97 Resp: 81

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 53.5 | 80.3# |
| 61 | 0.0 | 38.6 | 58.0# |



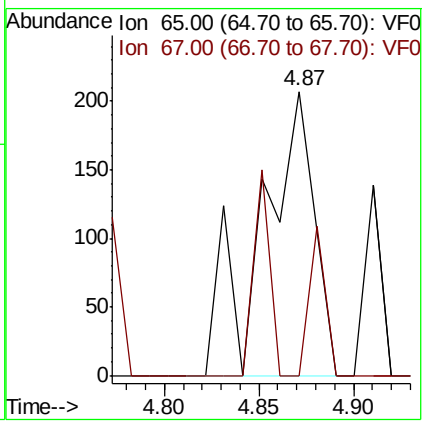


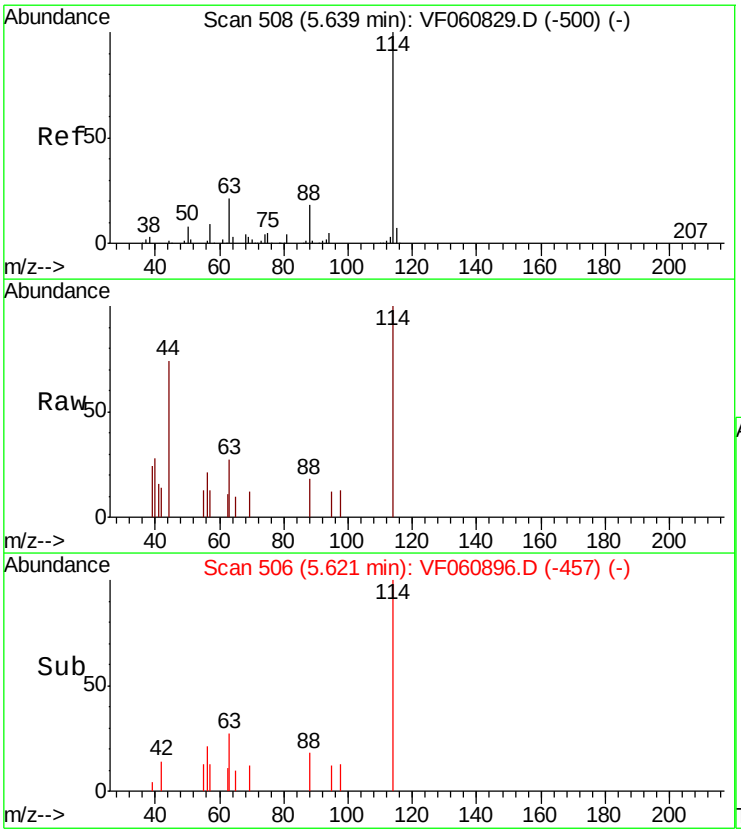

#33
1,2-Dichloroethane-d4
Concen: 22.399 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 65 Resp: 409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 0.0 | 0.0 | 96.4 |

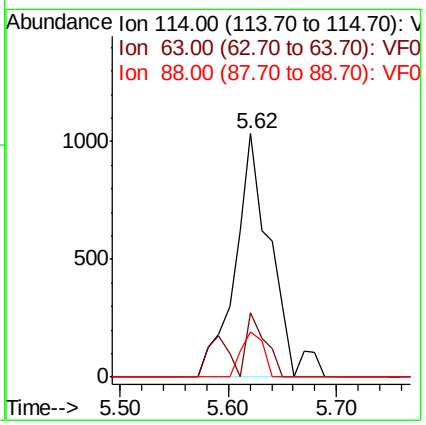


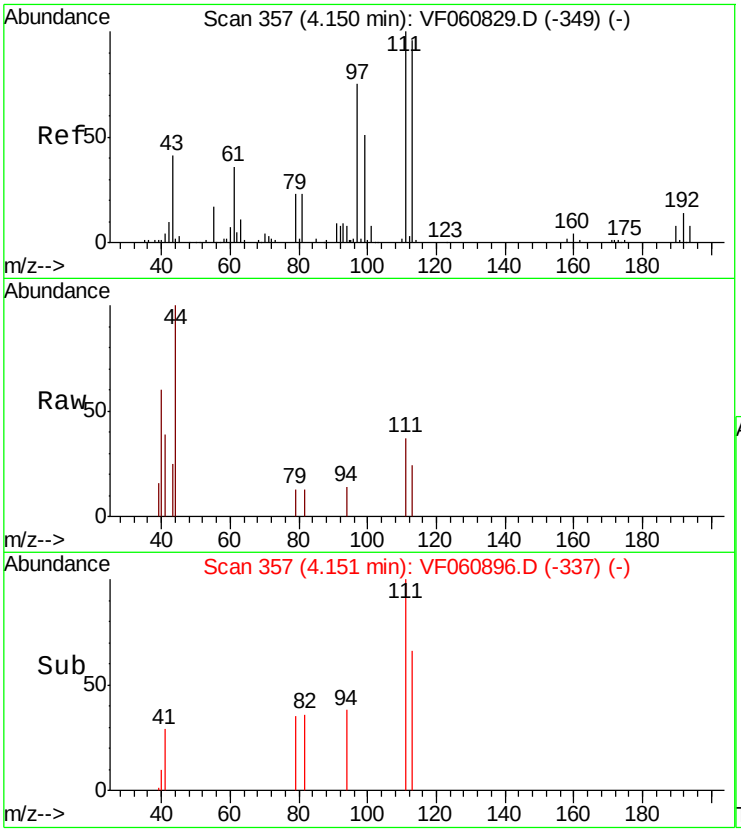




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:114 Resp: 2357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.6 | 0.0 | 41.6 |
| 88 | 18.4 | 0.0 | 36.6 |



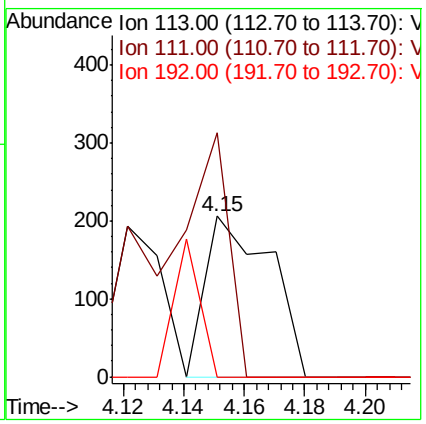


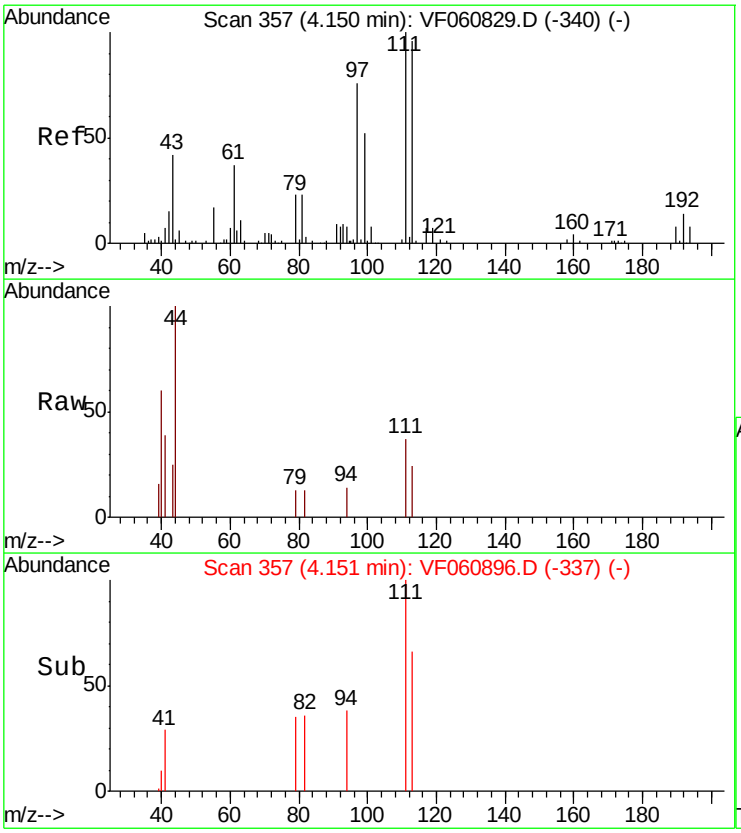

#35
Dibromofluoromethane
Concen: 16.579 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion:113 Resp: 310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 151.9 | 83.0 | 124.6# |
| 192 | 0.0 | 12.3 | 18.5# |

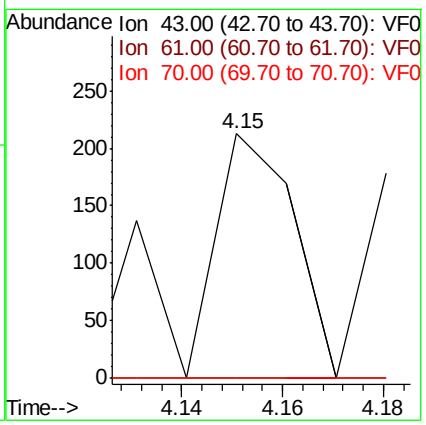


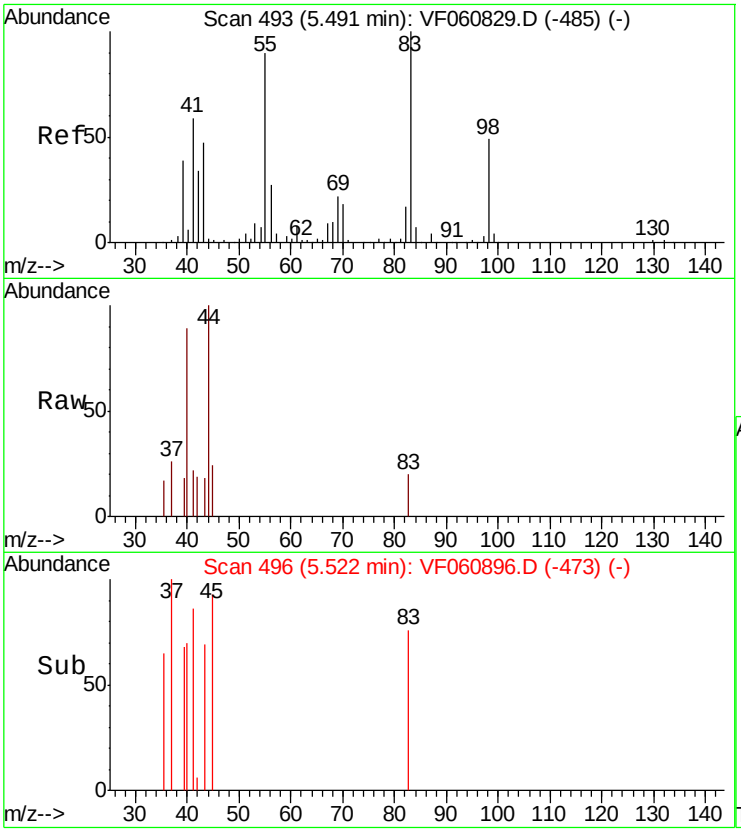




#37
Ethyl Acetate
Concen: 21.367 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 68.6 | 103.0# |
| 70 | 0.0 | 9.0 | 13.4# |



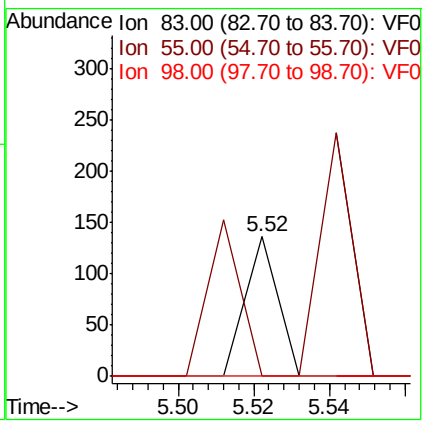


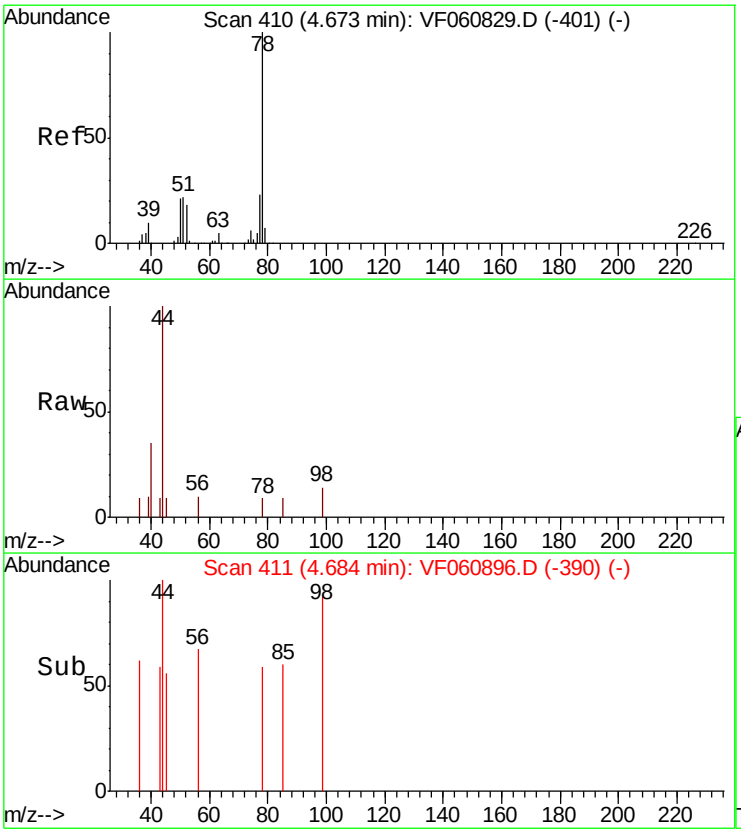

#39
Methylcyclohexane
Concen: 2.920 ug/l
RT: 5.52 min Scan# 496
Delta R.T. 0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 83 Resp: 80

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 72.1 | 108.1# |
| 98 | 0.0 | 39.1 | 58.7# |

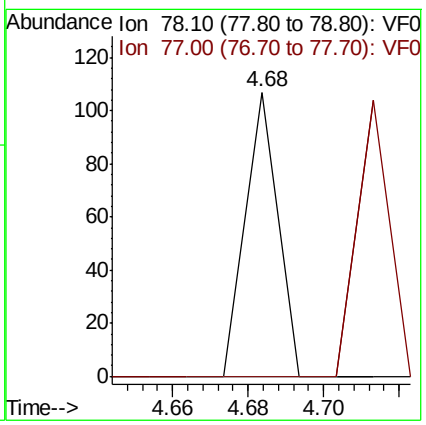


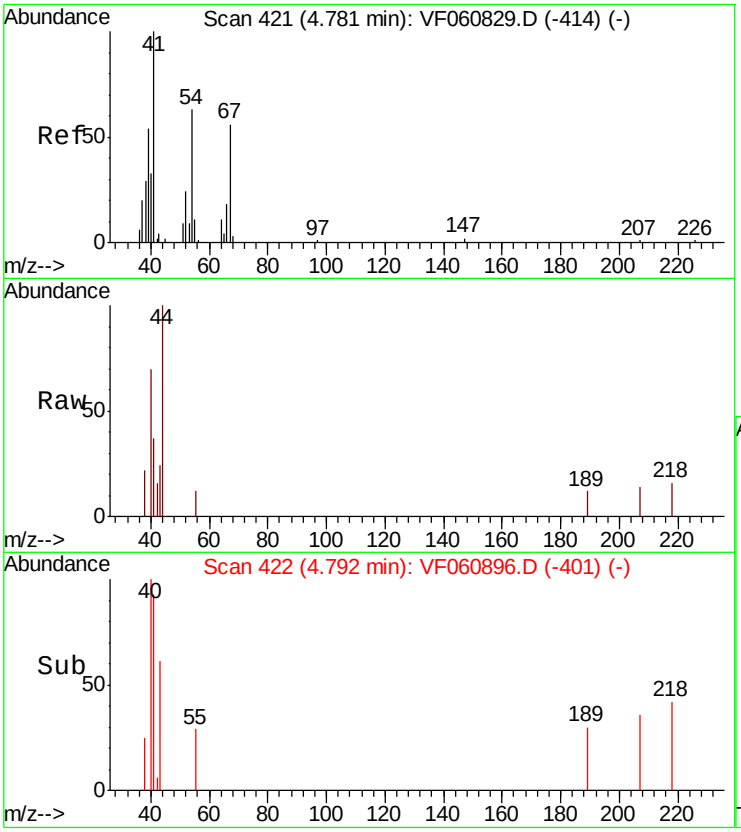




#40
Benzene
Concen: 1.091 ug/l
RT: 4.68 min Scan# 411
Delta R.T. 0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 78 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 0.0 | 18.7 | 28.1# |



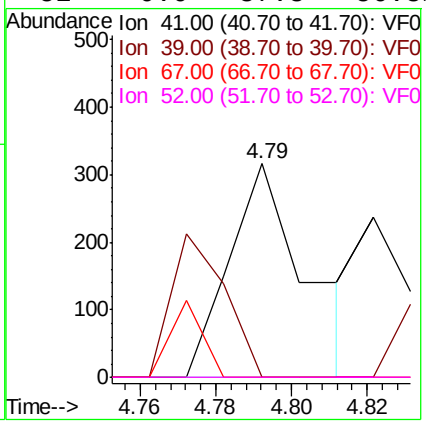


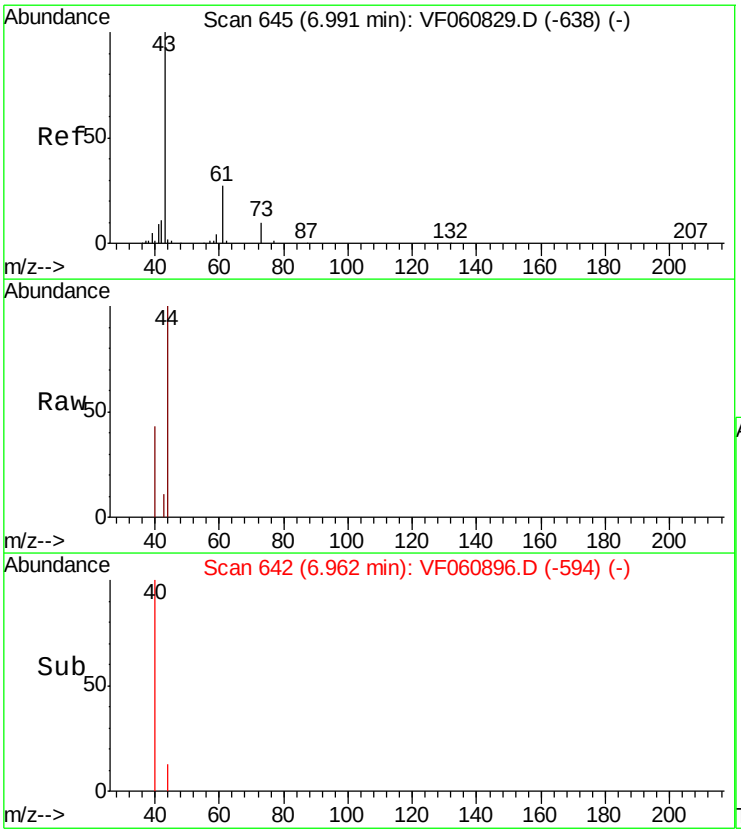

#41
Methacrylonitrile
Concen: 82.909 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 41 Resp: 442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 53.0 | 79.6# |
| 67 | 0.0 | 43.8 | 65.6# |
| 52 | 0.0 | 37.8 | 56.8# |

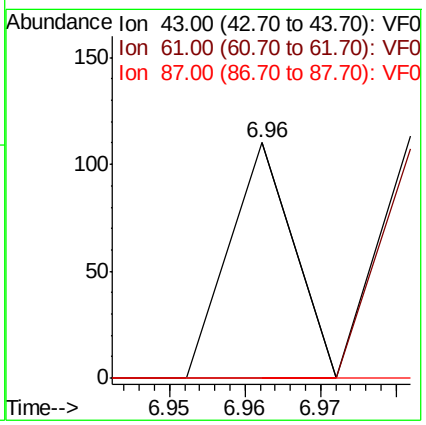


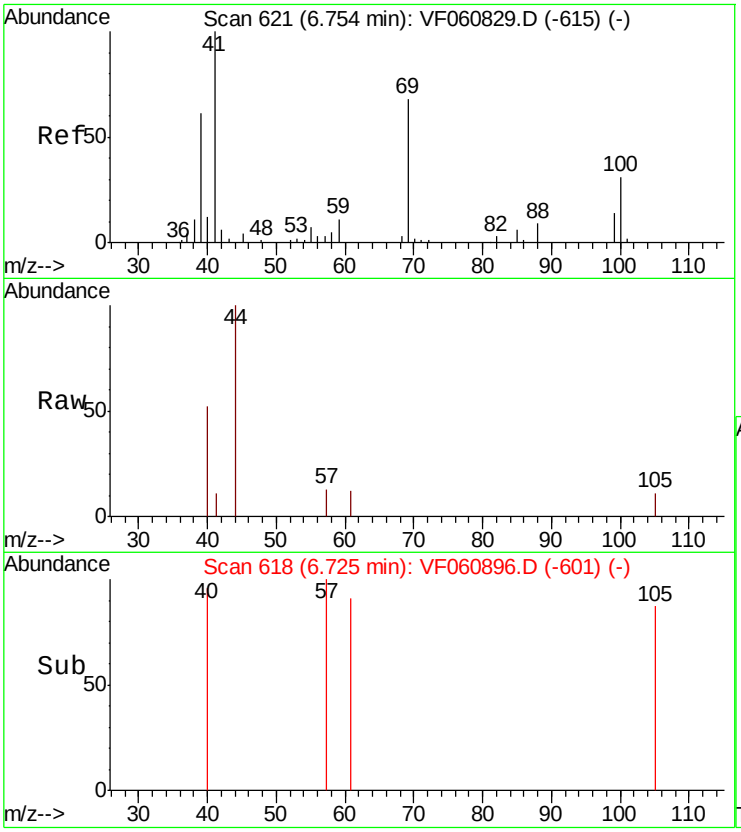




#43
Isopropyl Acetate
Concen: 2.368 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 21.4 | 32.0# |
| 87 | 0.0 | 0.2 | 0.4# |



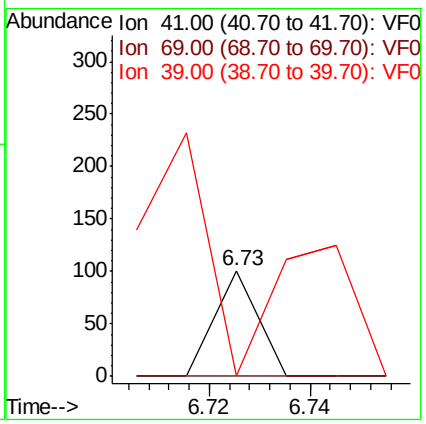


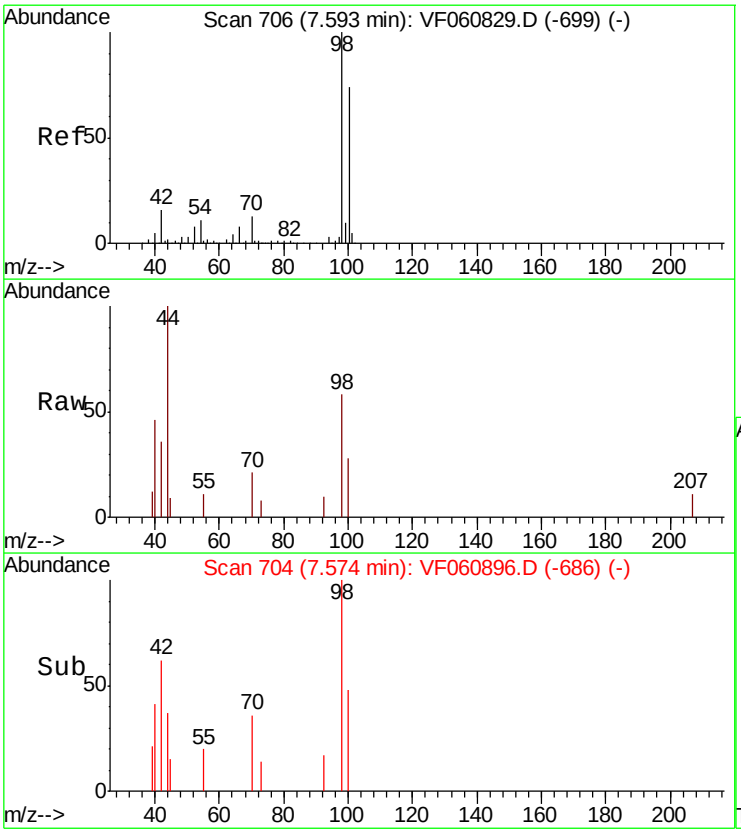

#48
Methyl methacrylate
Concen: 6.239 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 41 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 53.9 | 80.9# |
| 39 | 0.0 | 49.0 | 73.6# |

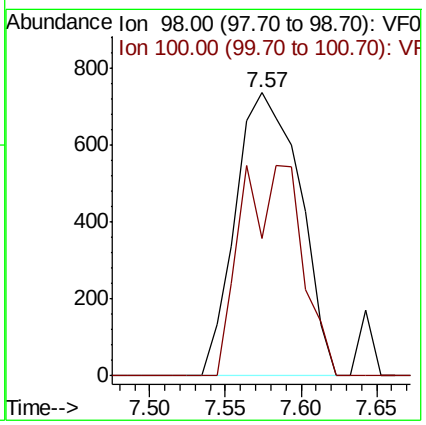


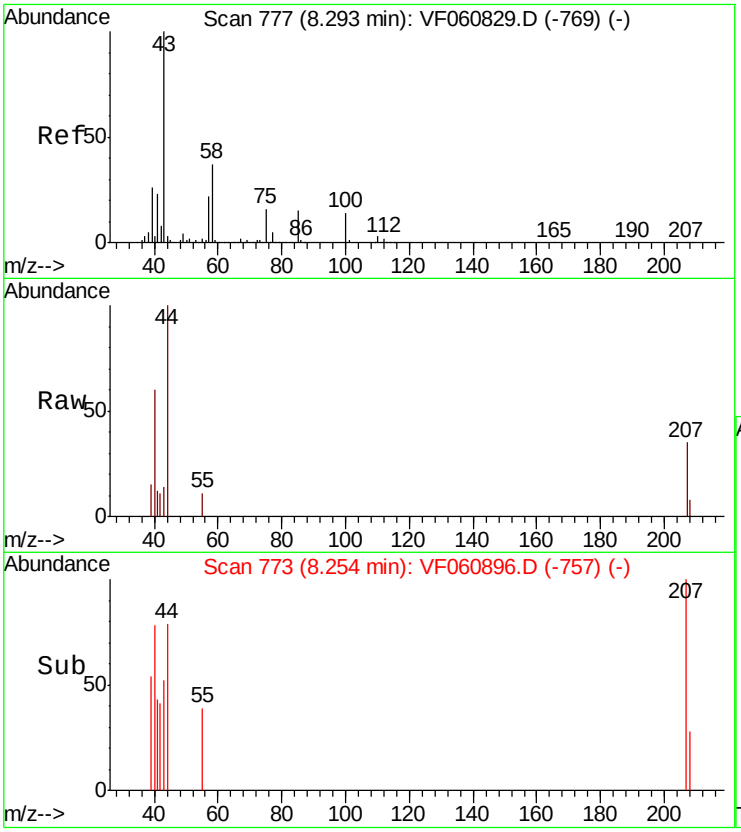




#50
Toluene-d8
Concen: 39.705 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 98 Resp: 2187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 48.4 | 59.3 | 88.9# |



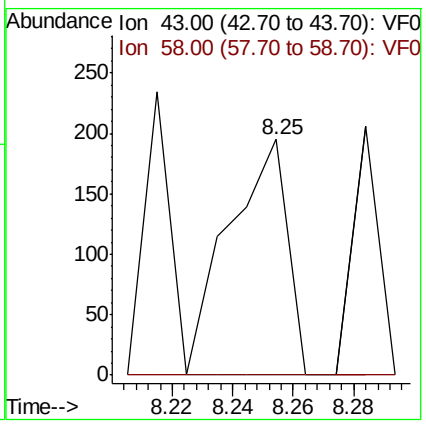


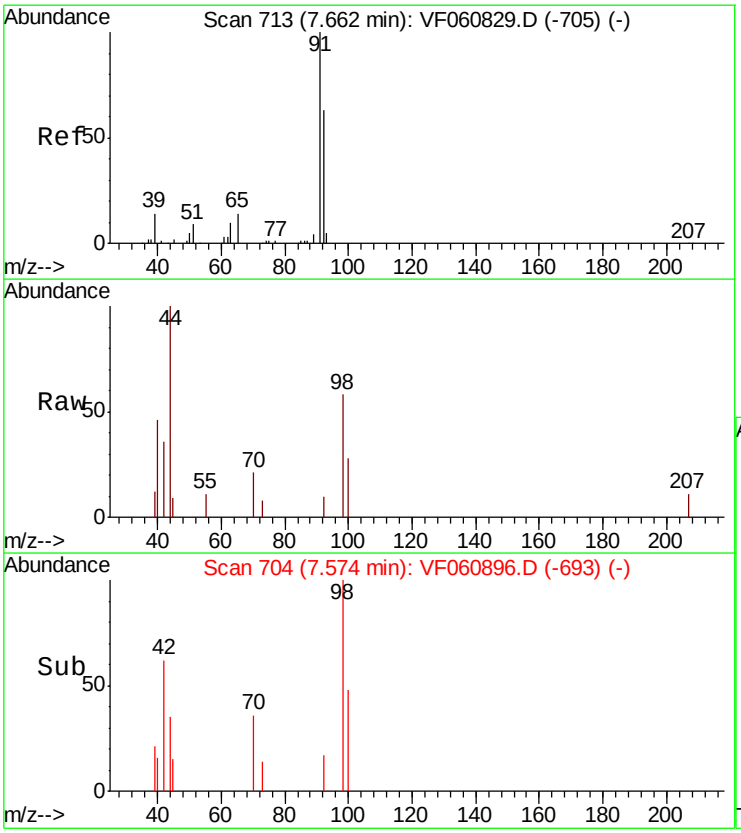

#51
4-Methyl-2-Pentanone
Concen: 27.151 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 43 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 29.7 | 44.5# |

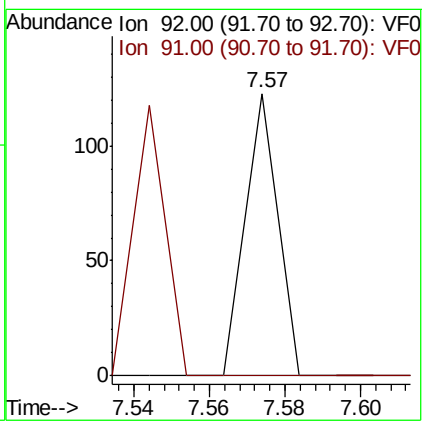


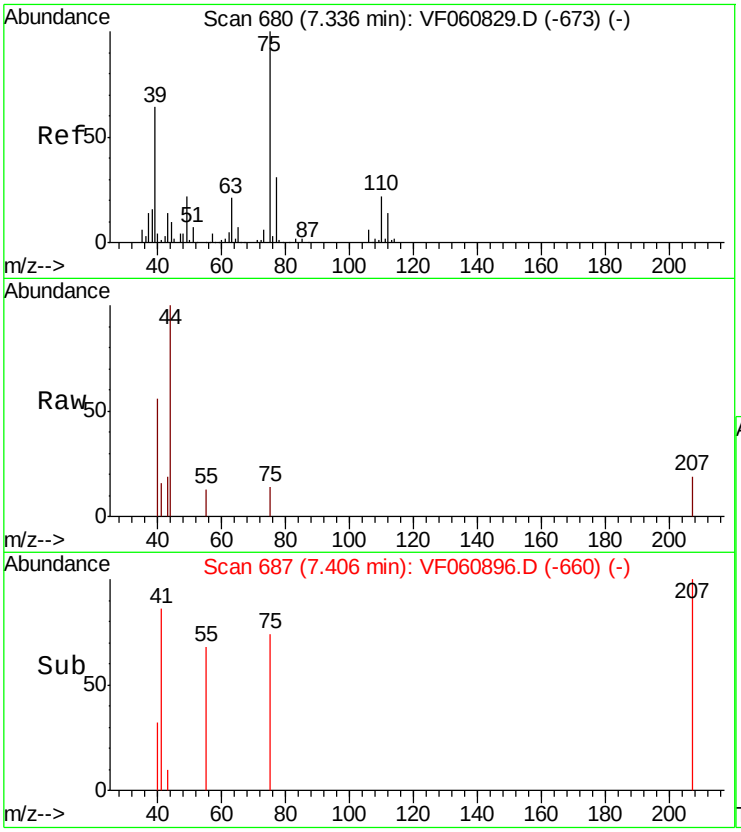




#52
Toluene
Concen: 1.799 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.09 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 92 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 0.0 | 126.2 | 189.2# |



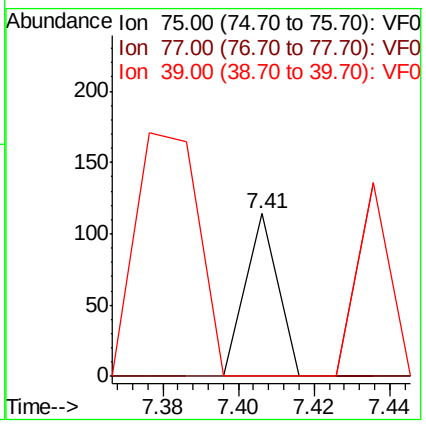


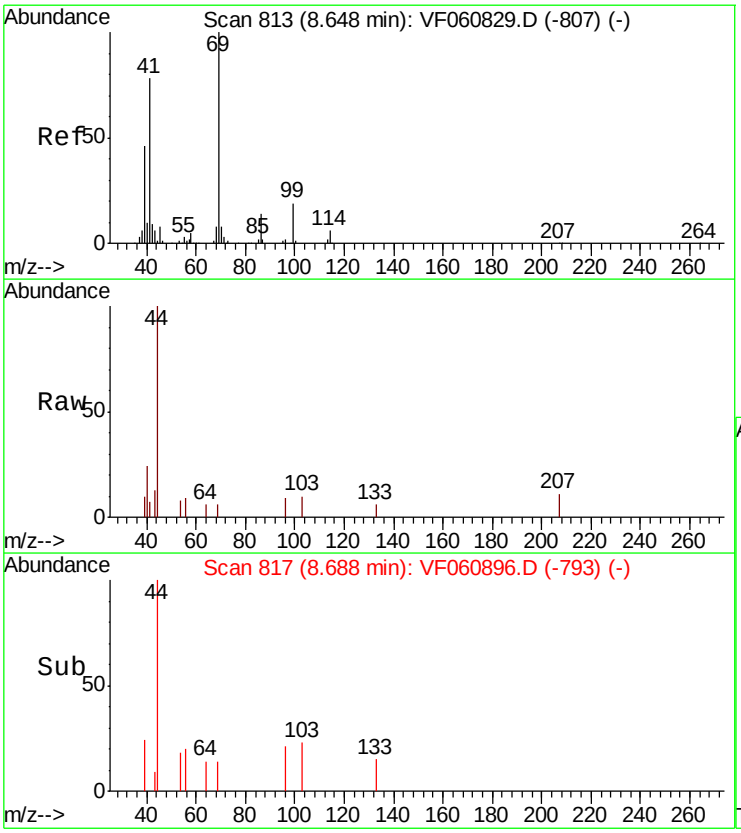

#54
cis-1,3-Dichloropropene
Concen: 2.462 ug/l
RT: 7.41 min Scan# 687
Delta R.T. 0.07 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 75 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.0 | 37.6# |
| 39 | 0.0 | 51.1 | 76.7# |

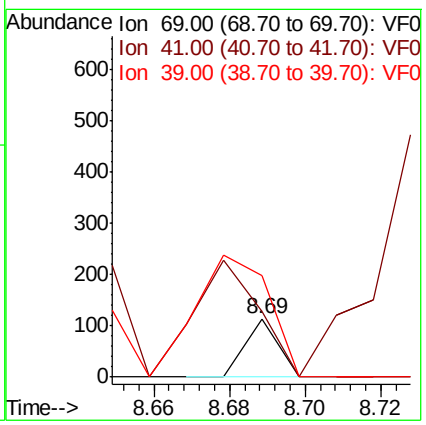


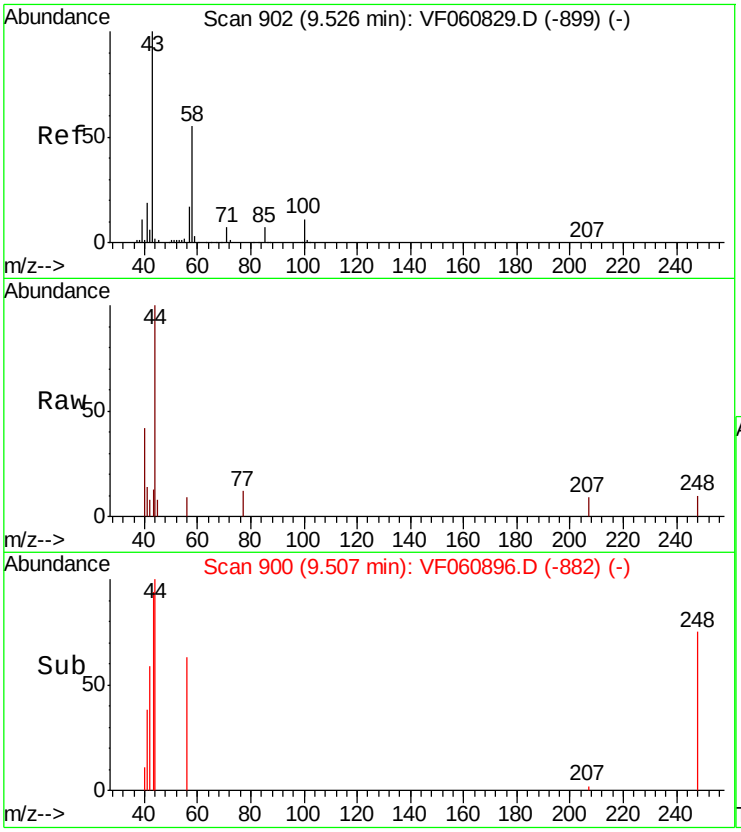




#56
Ethyl methacrylate
Concen: 5.102 ug/l
RT: 8.69 min Scan# 817
Delta R.T. 0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 69 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 112.3 | 62.6 | 94.0# |
| 39 | 173.7 | 37.8 | 56.6# |



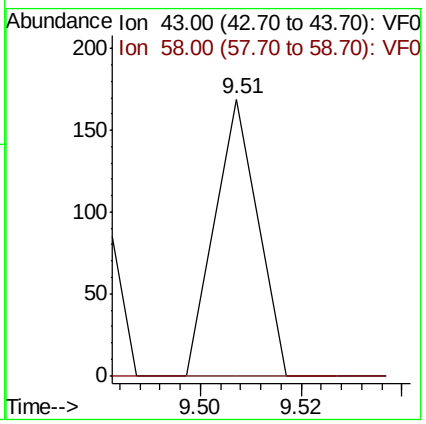


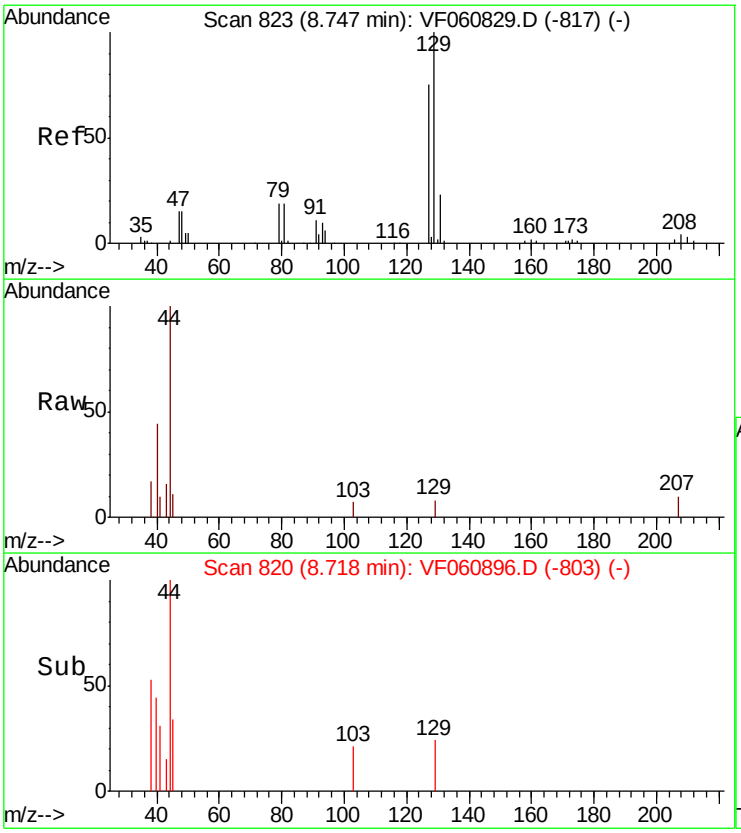

#59
2-Hexanone
Concen: 14.549 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 43 Resp: 100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 25.6 | 76.6# |

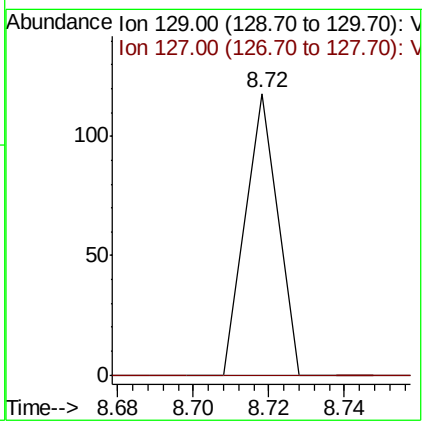


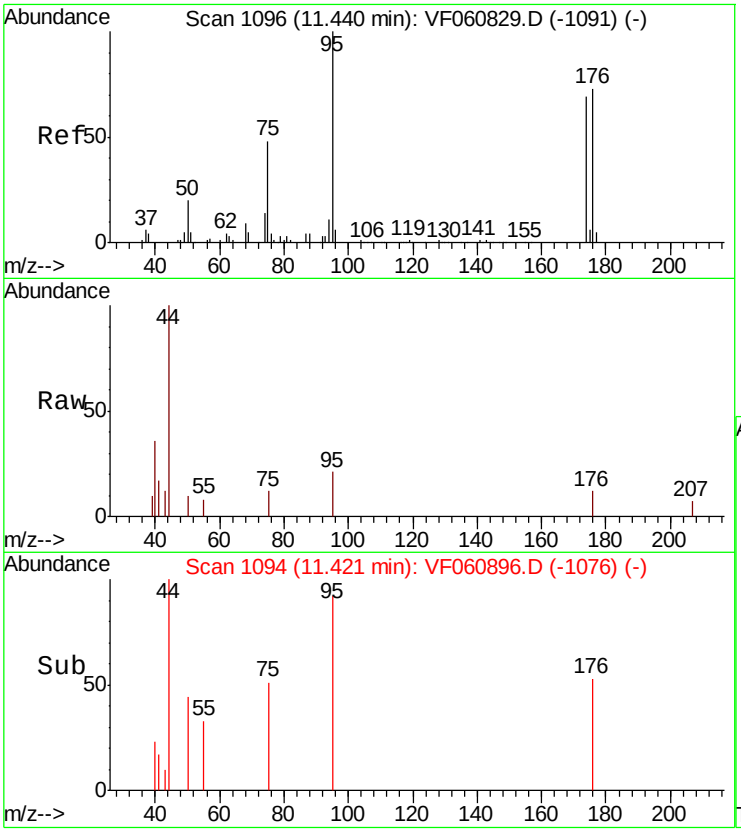




#60
Dibromochloromethane
Concen: 3.974 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:129 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 37.3 | 111.9# |



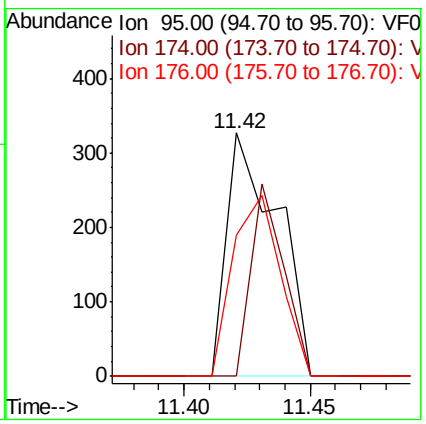


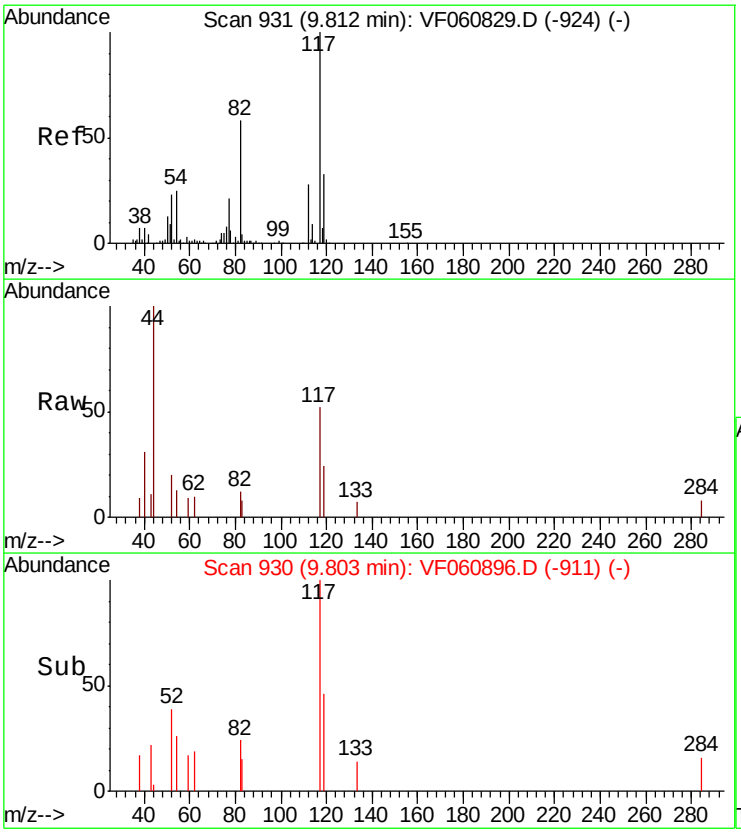

#62
4-Bromofluorobenzene
Concen: 18.336 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :**
MSVOA_F
**ClientSampleId :**
JC-02-113018-DRE

Tgt Ion: 95 Resp: 459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 0.0 | 0.0 | 138.2 |
| 176 | 58.1 | 0.0 | 146.2 |

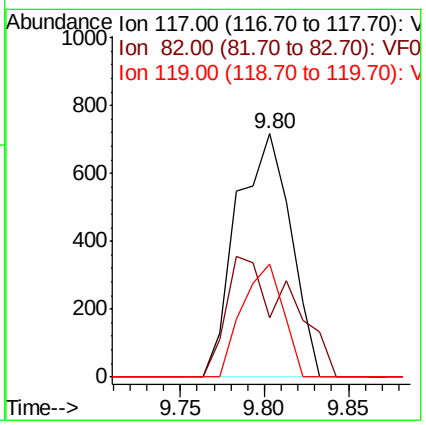


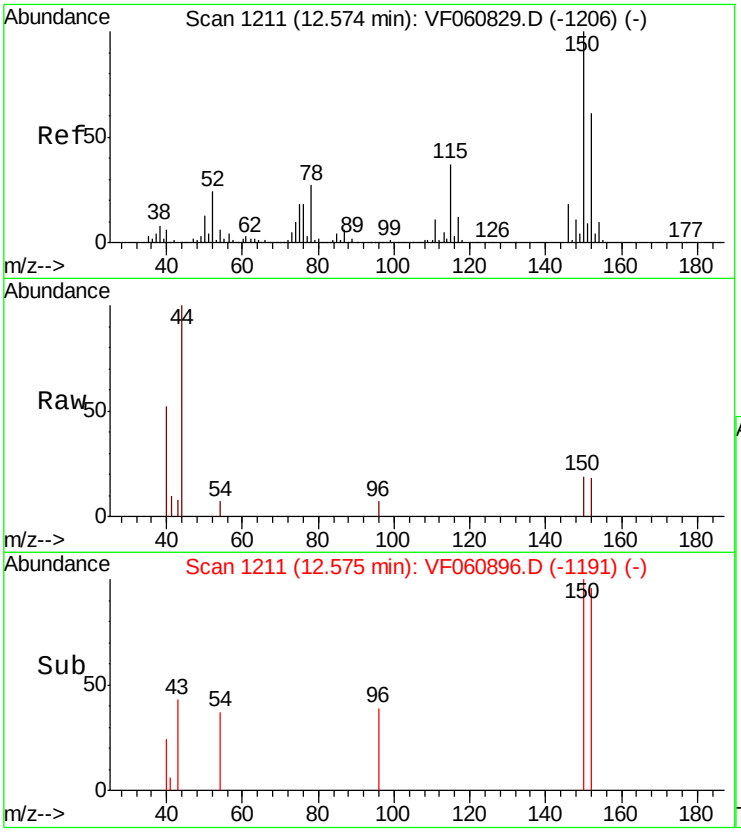




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:117 Resp: 1595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 24.1 | 46.6 | 69.8# |
| 119 | 46.3 | 26.4 | 39.6# |



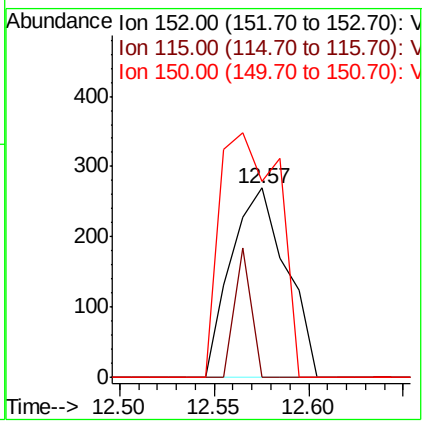


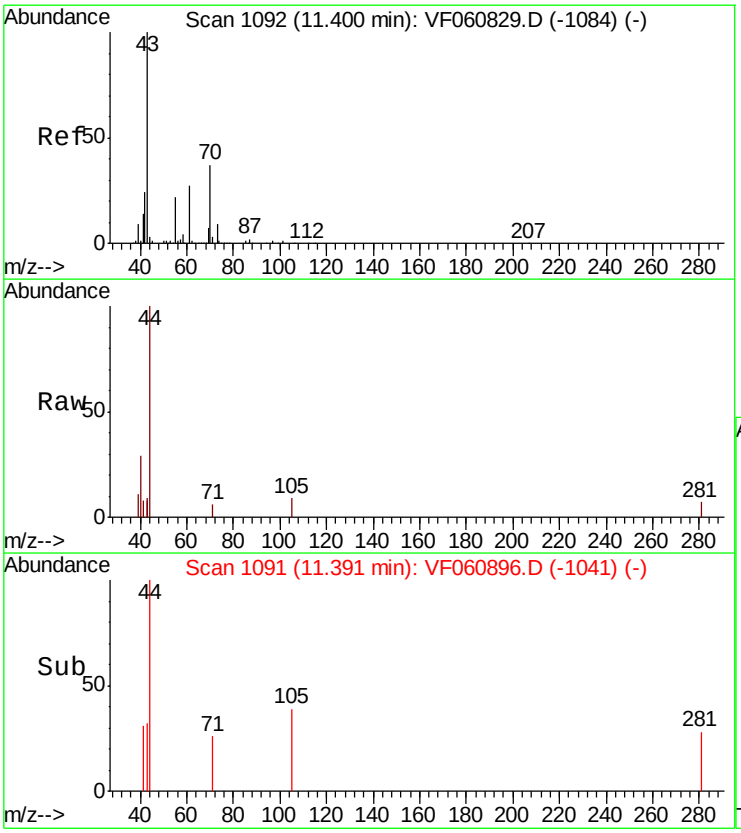

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion:152 Resp: 545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 0.0 | 30.1 | 90.5# |
| 150 | 103.7 | 0.0 | 327.6 |

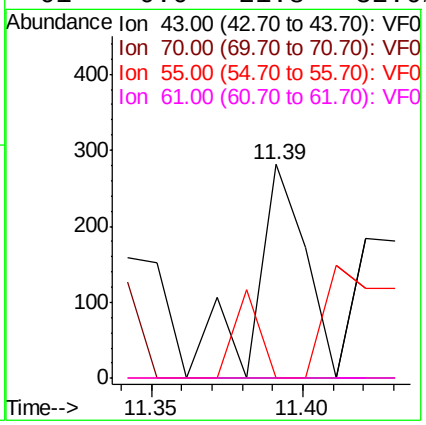


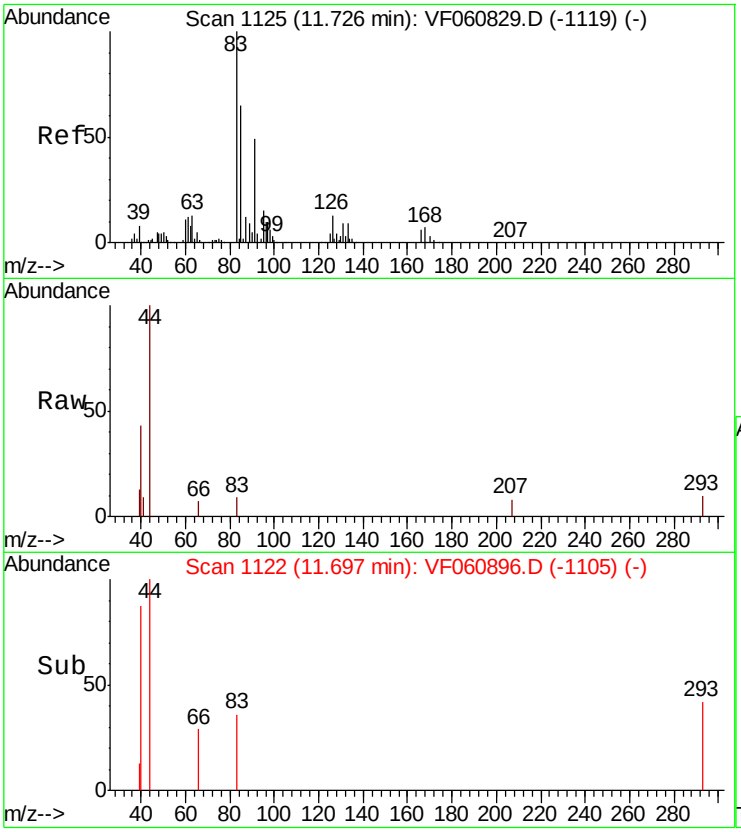




#74
N-amyl acetate
Concen: 33.282 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 29.6 | 44.4# |
| 55 | 0.0 | 17.2 | 25.8# |
| 61 | 0.0 | 21.8 | 32.6# |



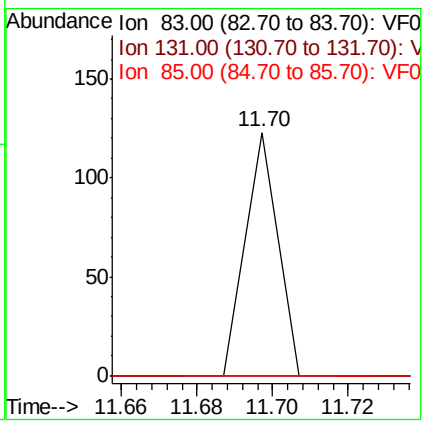


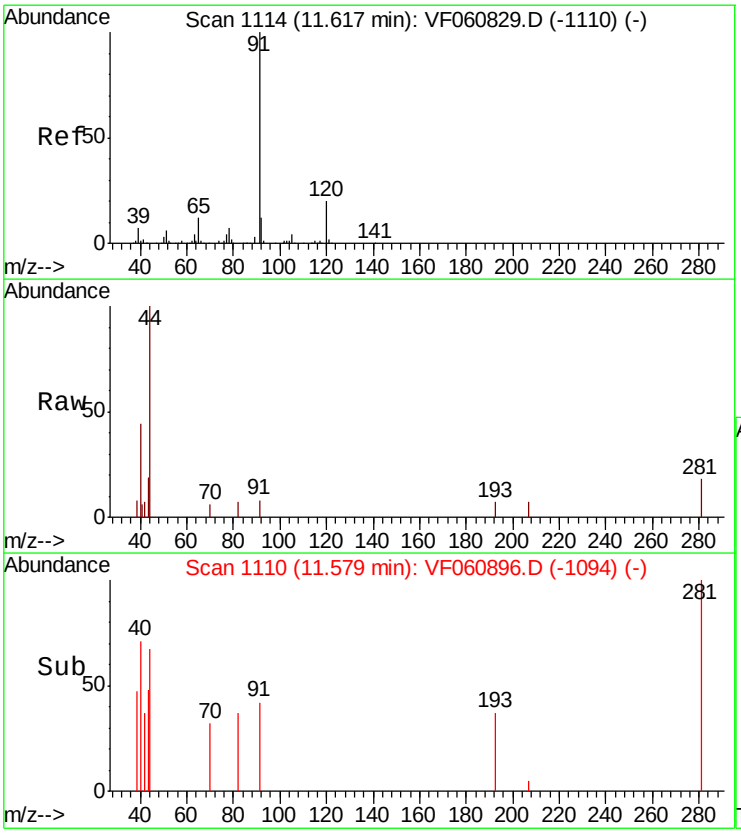

#75
1,1,2,2-Tetrachloroethane
Concen: 10.299 ug/l
RT: 11.70 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 83 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 0.0 | 4.7 | 14.1# |
| 85 | 0.0 | 32.6 | 97.8# |

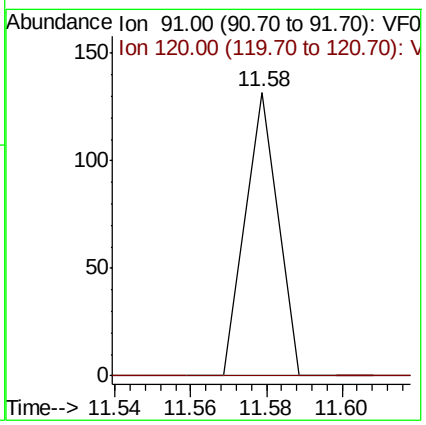


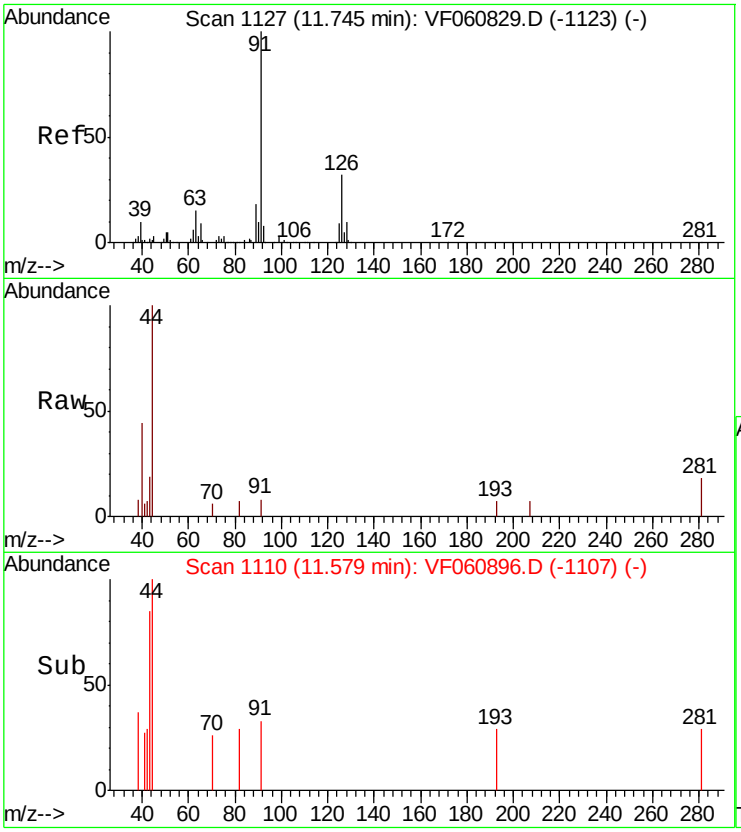




#78
n-propylbenzene
Concen: 1.546 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 91 Resp: 78

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 0.0 | 10.3 | 30.8# |



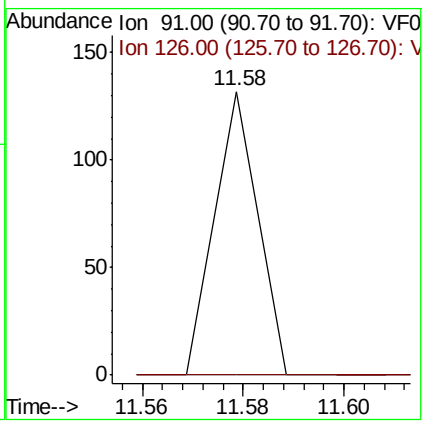


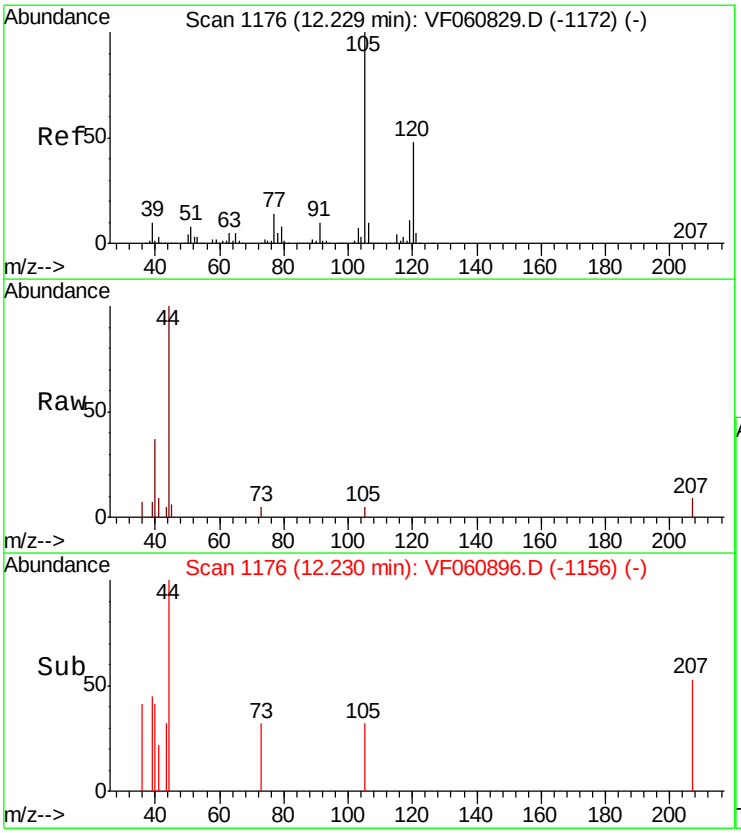

#79
2-Chlorotoluene
Concen: 2.697 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.17 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion: 91 Resp: 78

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 15.9 | 47.6# |

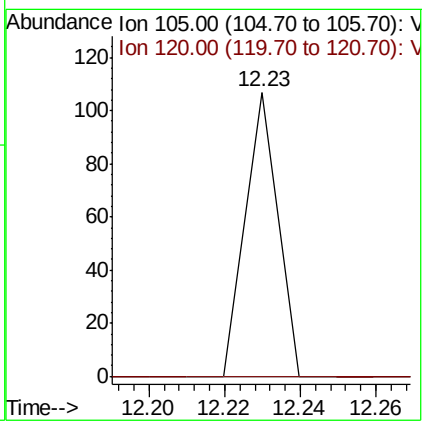


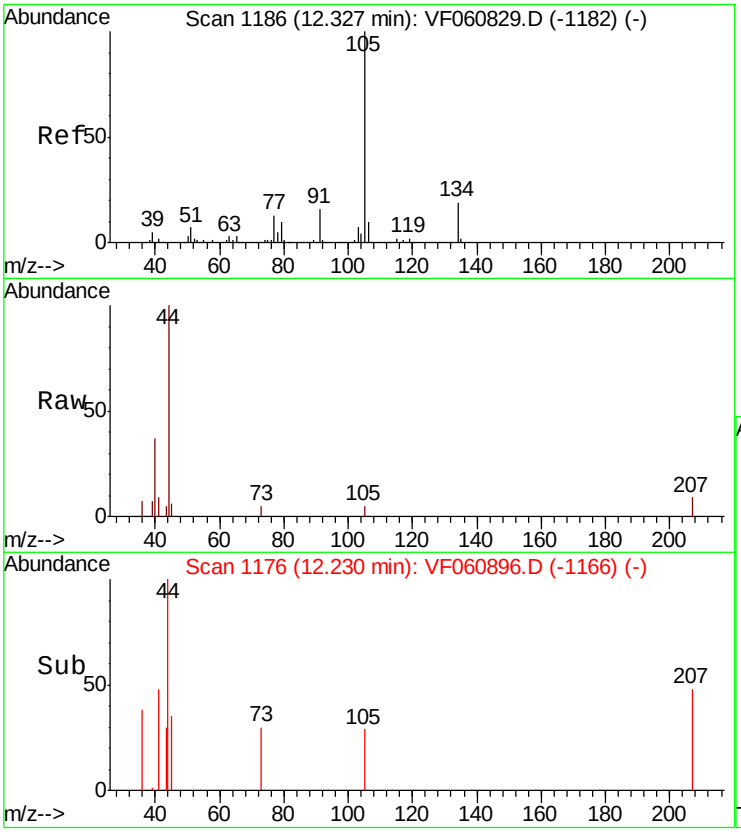




#84
1,2,4-Trimethylbenzene
Concen: 1.805 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:105 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 23.8 | 71.5# |



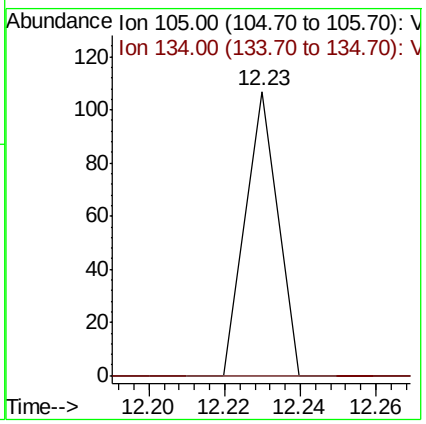


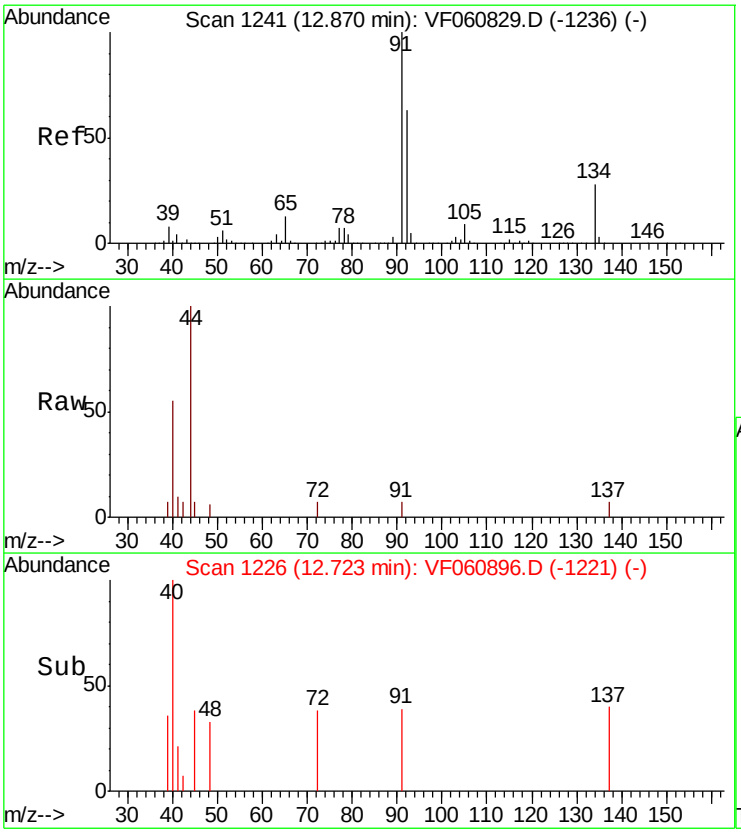

#85
sec-Butylbenzene
Concen: 1.292 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. -0.10 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion:105 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 9.5 | 28.5# |

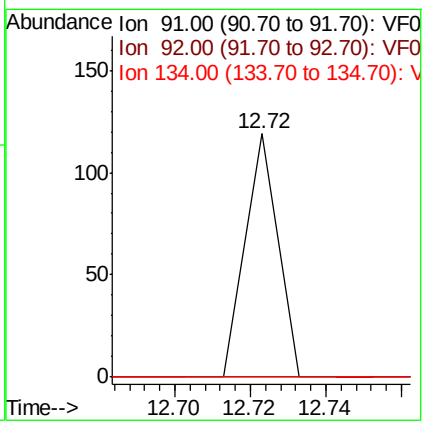


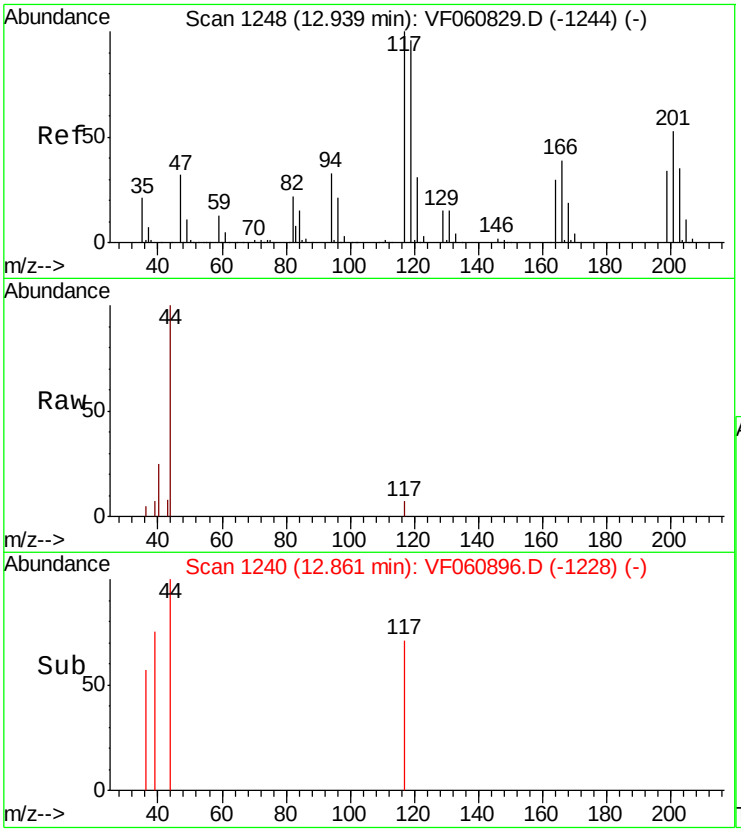




#89
n-Butylbenzene
Concen: 1.694 ug/l
RT: 12.72 min Scan# 1226
Delta R.T. -0.15 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 91 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 0.0 | 31.6 | 94.7# |
| 134 | 0.0 | 13.8 | 41.4# |



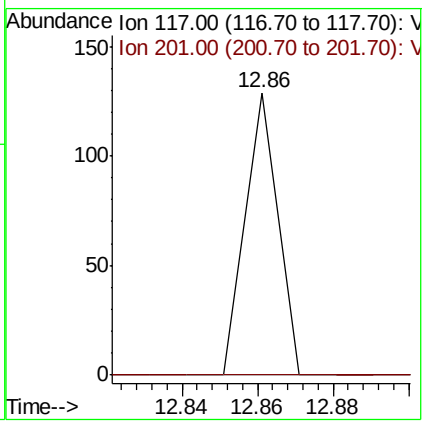


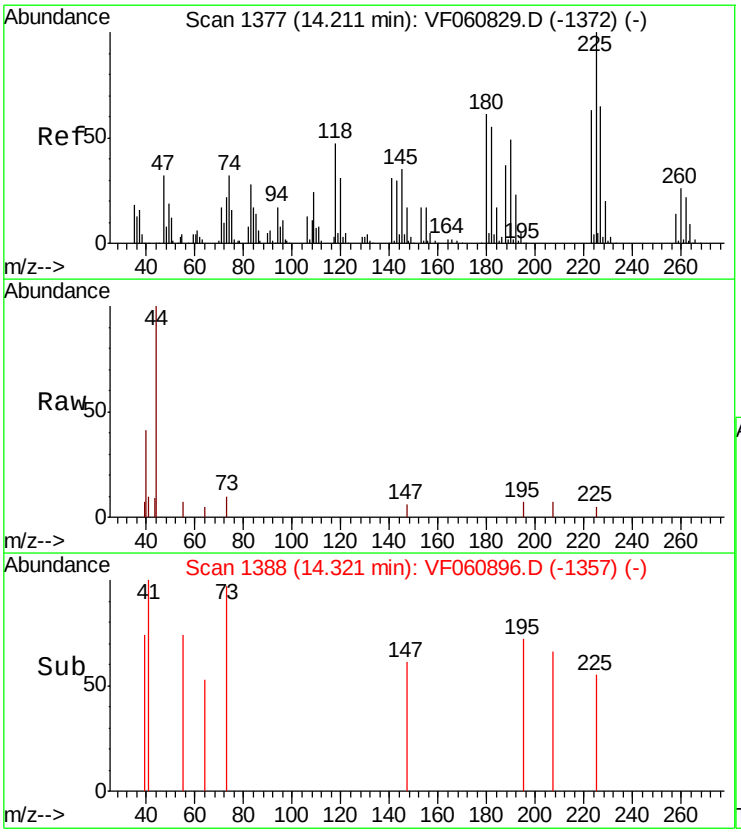

#90
Hexachloroethane
Concen: 7.721 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

**Instrument :** MSVOA_F
**ClientSampleId :** JC-02-113018-DRE

Tgt Ion:117 Resp: 76

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 26.7 | 80.1# |




#94
Hexachlorobutadiene
Concen: 7.952 ug/l
RT: 14.32 min Scan# 1388
Delta R.T. 0.11 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:225 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 31.4 | 94.3# |
| 227 | 0.0 | 32.5 | 97.5# |