Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
Data File : VF059771.D
Acq On : 1 Aug 2018 22:29
Operator : VA/AP
Sample : J4257-02
Misc : 8.44g/5mL/MSVOA_F/SOIL
ALS Vial : 100 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Quant Time: Aug 02 05:33:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.04 | 168 | 299043 | 50.00 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 5.76 | 114 | 449727 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.91 | 117 | 421860 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152 | 250509 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.01 | 65 | 209769 | 39.03 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.06% | | | |
| 35) Dibromofluoromethane | 4.29 | 113 | 179257 | 38.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.76% | | | |
| 50) Toluene-d8 | 7.71 | 98 | 383626 | 35.22 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 70.44% | | | |
| 62) 4-Bromofluorobenzene | 11.51 | 95 | 199877 | 33.15 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 66.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.00 | 85 | 627 | Below Cal | # | 44 |
| 3) Chloromethane | 1.06 | 50 | 65 | Below Cal | # | 38 |
| 4) Vinyl Chloride | 1.17 | 62 | 114 | Below Cal | # | 47 |
| 5) Bromomethane | 1.34 | 94 | 603 | Below Cal | # | 4 |
| 6) Chloroethane | 1.44 | 64 | 92 | Below Cal | # | 1 |
| 10) Methyl Iodide | 1.98 | 142 | 67 | Below Cal | # | 20 |
| 11) Tert butyl alcohol | 2.68 | 59 | 1126 | 3.759 ug/l | # | 1 |
| 13) Acrolein | 2.07 | 56 | 550 | 20.599 ug/l | | 97 |
| 16) Acetone | 2.34 | 43 | 3747 | 3.876 ug/l | | 95 |
| 17) Carbon Disulfide | 1.90 | 76 | 254 | Below Cal | # | 1 |
| 18) Methyl Acetate | 2.45 | 43 | 2312 | Below Cal | | 96 |
| 20) Methylene Chloride | 2.27 | 84 | 2163 | Below Cal | # | 83 |
| 21) trans-1,2-Dichloroethene | 2.44 | 96 | 166 | Below Cal | # | 1 |
| 28) Bromochloromethane | 3.88 | 49 | 65 | Below Cal | # | 15 |
| 31) Cyclohexane | 3.88 | 56 | 448 | Below Cal | # | 49 |
| 36) 1,1-Dichloropropene | 4.44 | 75 | 189 | Below Cal | # | 50 |
| 37) Ethyl Acetate | 4.32 | 43 | 191 | Below Cal | # | 19 |
| 39) Methylcyclohexane | 5.61 | 83 | 575 | Below Cal | # | 66 |
| 41) Methacrylonitrile | 4.92 | 41 | 348 | Below Cal | # | 24 |
| 44) Trichloroethene | 5.67 | 130 | 213 | Below Cal | | 98 |
| 49) 1,4-Dioxane | 7.02 | 88 | 67 | Below Cal | # | 1 |
| 52) Toluene | 7.77 | 92 | 1327 | Below Cal | # | 40 |
| 58) 2-Chloroethyl Vinyl ether | 7.77 | 63 | 380 | 1.283 ug/l | | 100 |
| 64) Tetrachloroethene | 8.31 | 164 | 548 | Below Cal | # | 20 |
| 68) m/p-Xylenes | 10.28 | 106 | 1253 | Below Cal | | 91 |
| 78) n-propylbenzene | 11.69 | 91 | 3342 | Below Cal | # | 70 |
| 79) 2-Chlorotoluene | 11.82 | 91 | 1826 | Below Cal | # | 69 |
| 80) 1,3,5-Trimethylbenzene | 11.91 | 105 | 2210 | Below Cal | | 89 |
| 82) 4-Chlorotoluene | 11.99 | 91 | 1699 | Below Cal | | 100 |
| 84) 1,2,4-Trimethylbenzene | 12.29 | 105 | 2080 | Below Cal | | 92 |
| 85) sec-Butylbenzene | 12.39 | 105 | 3211 | Below Cal | | 95 |
| 86) p-Isopropyltoluene | 12.54 | 119 | 2573 | Below Cal | # | 60 |
| 87) 1,3-Dichlorobenzene | 12.56 | 146 | 1532 | Below Cal | | 91 |
| 88) 1,4-Dichlorobenzene | 12.56 | 146 | 1532 | Below Cal | | 91 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
Data File : VF059771.D
Acq On : 1 Aug 2018 22:29
Operator : VA/AP
Sample : J4257-02
Misc : 8.44g/5mL/MSVOA_F/SOIL
ALS Vial : 100 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Quant Time: Aug 02 05:33:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 89) n-Butylbenzene | 12.92 | 91 | 2648 | Below Cal | 82 |
| 91) 1,2-Dichlorobenzene | 13.02 | 146 | 1502 | Below Cal | 72 |
| 93) 1,2,4-Trichlorobenzene | 14.27 | 180 | 1376 | Below Cal | 61 |
| 95) Naphthalene | 14.52 | 128 | 44484 | 4.119 ug/l # | 95 |

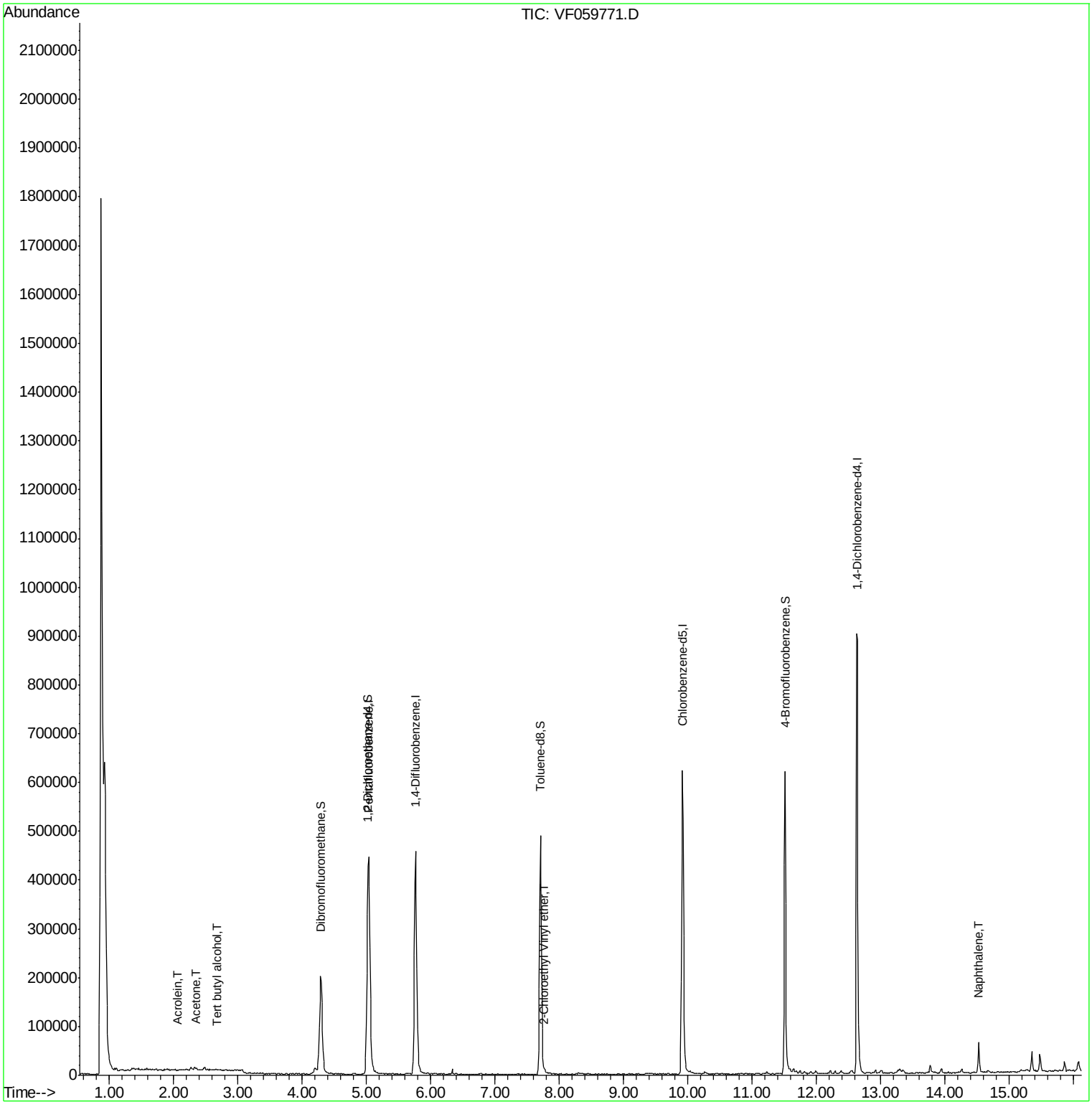
(#) = qualifier out of range (m) = manual integration (+) = signals summed

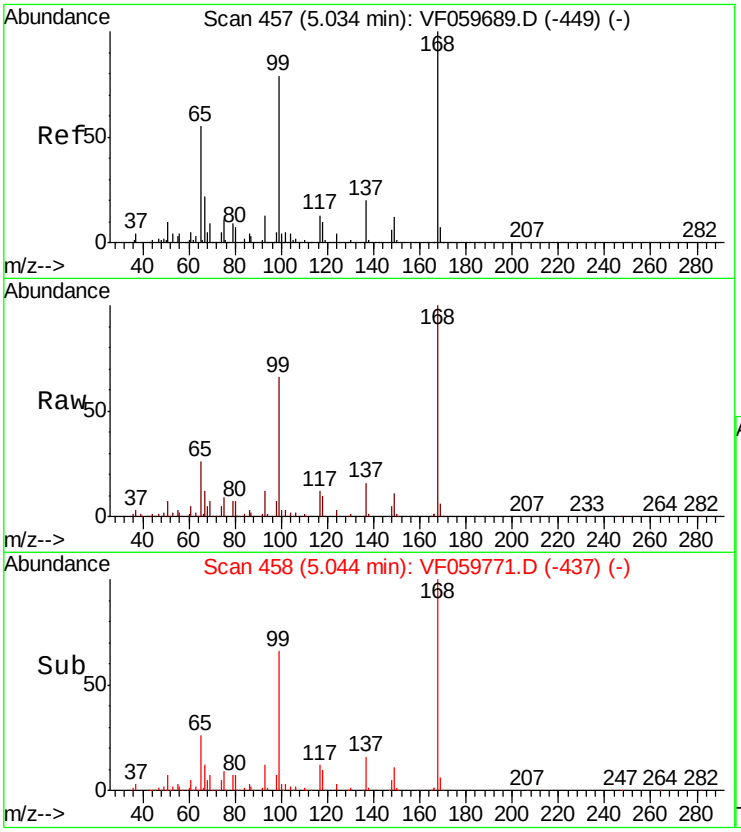
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
Data File : VF059771.D
Acq On : 1 Aug 2018 22:29
Operator : VA/AP
Sample : J4257-02
Misc : 8.44g/5mL/MSVOA_F/SOIL
ALS Vial : 100 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Quant Time: Aug 02 05:33:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration



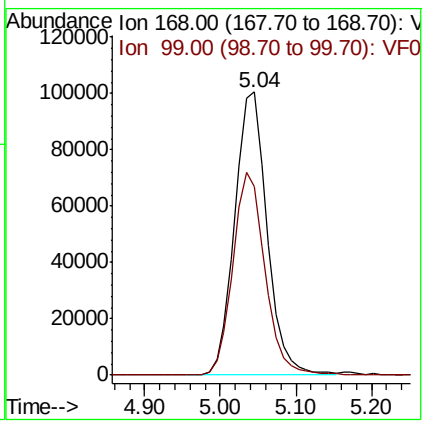


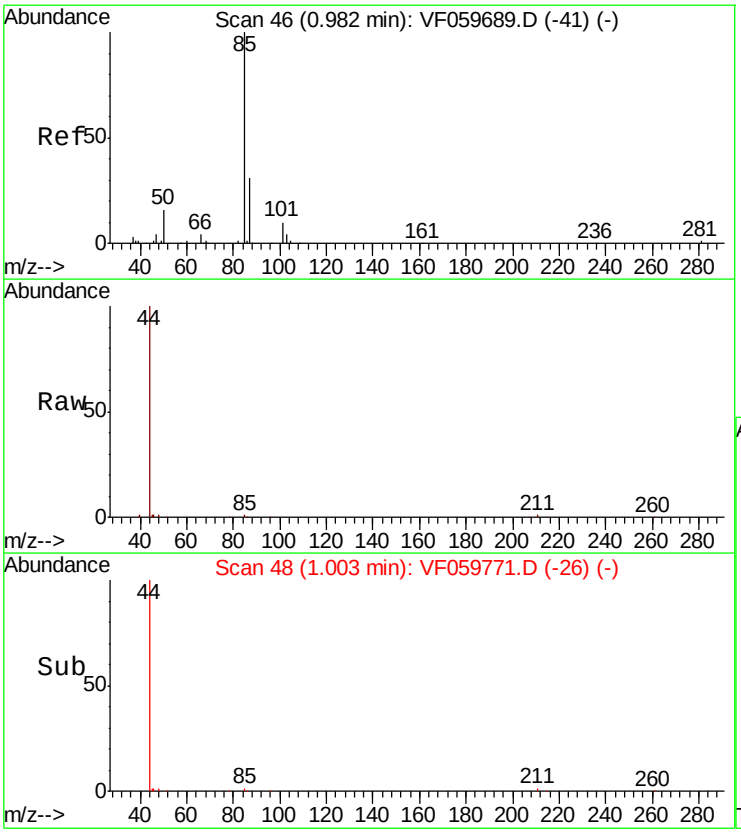

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:168 Resp: 299043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 63.3 | 94.9 |

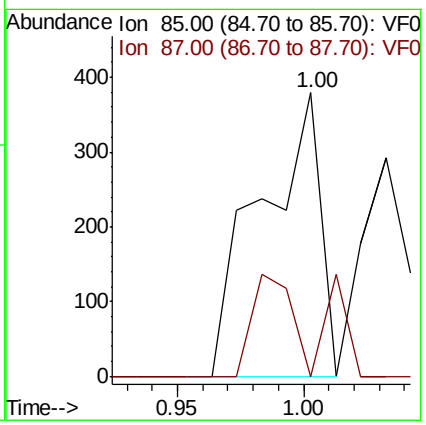


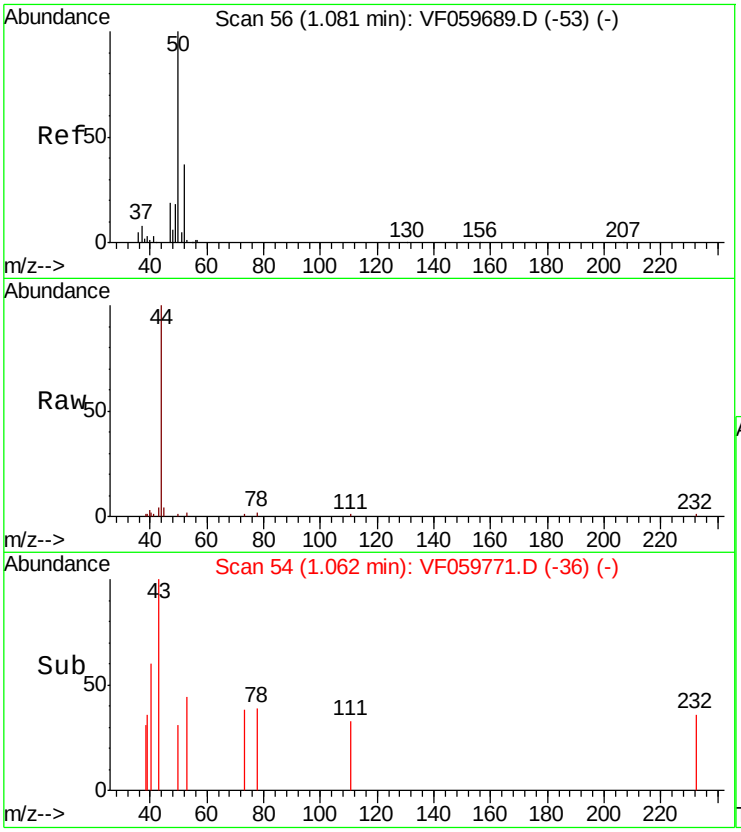




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.00 min Scan# 48
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 85 Resp: 627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 15.3 | 45.8# |



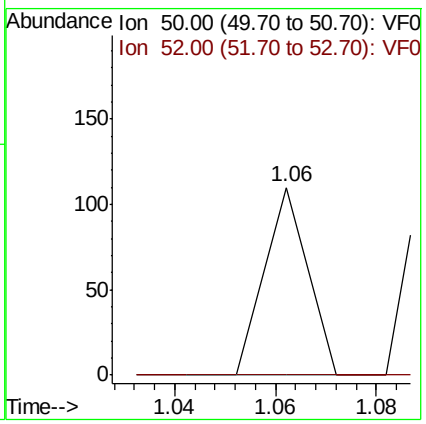


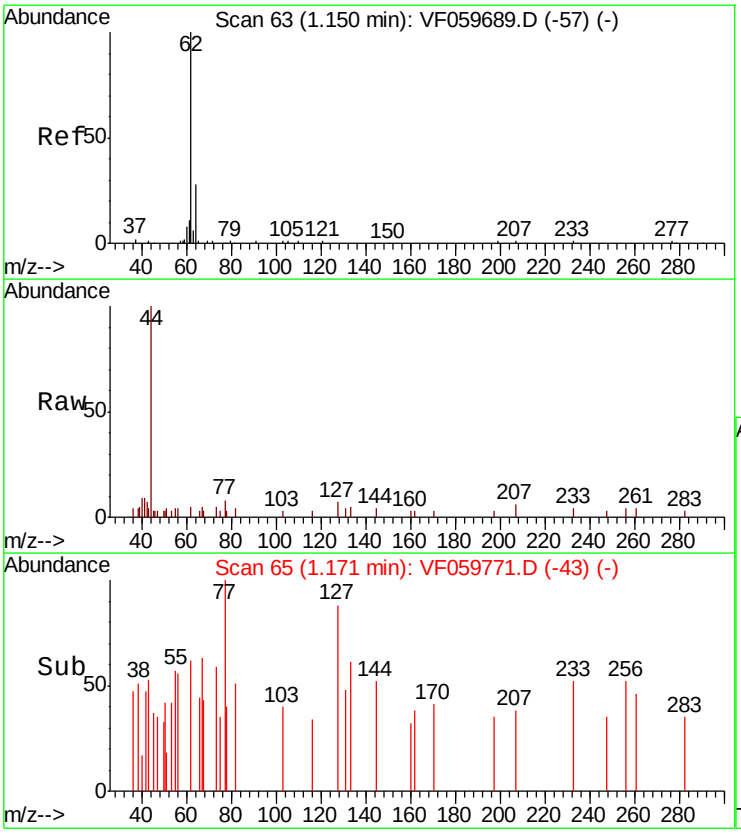

#3
Chloromethane
Concen: Below Cal
RT: 1.06 min Scan# 54
Delta R.T. -0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 50 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 29.1 | 43.7# |

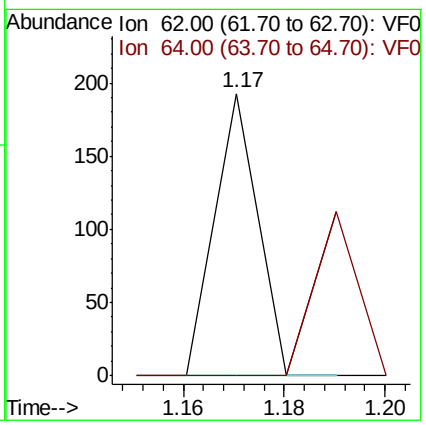


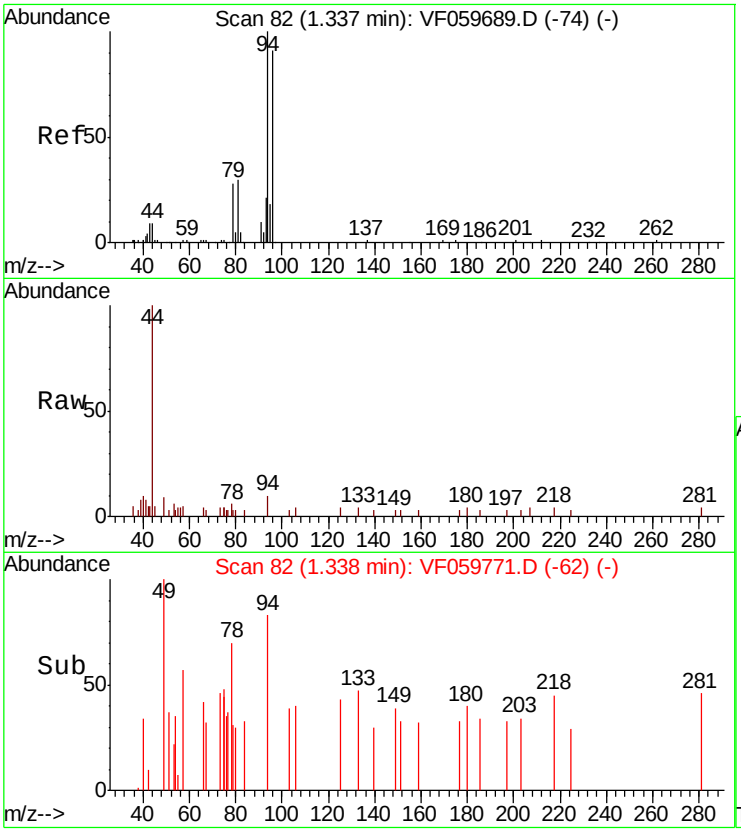




#4
Vinyl Chloride
Concen: Below Cal
RT: 1.17 min Scan# 65
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 62 Resp: 114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 22.6 | 33.8# |



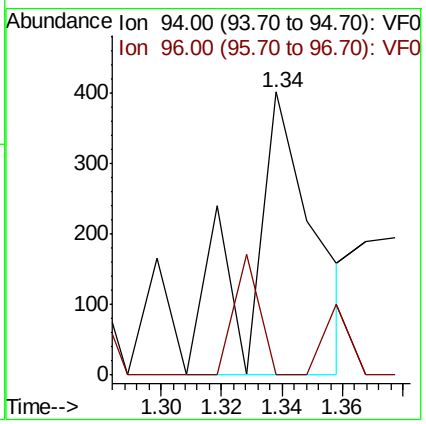


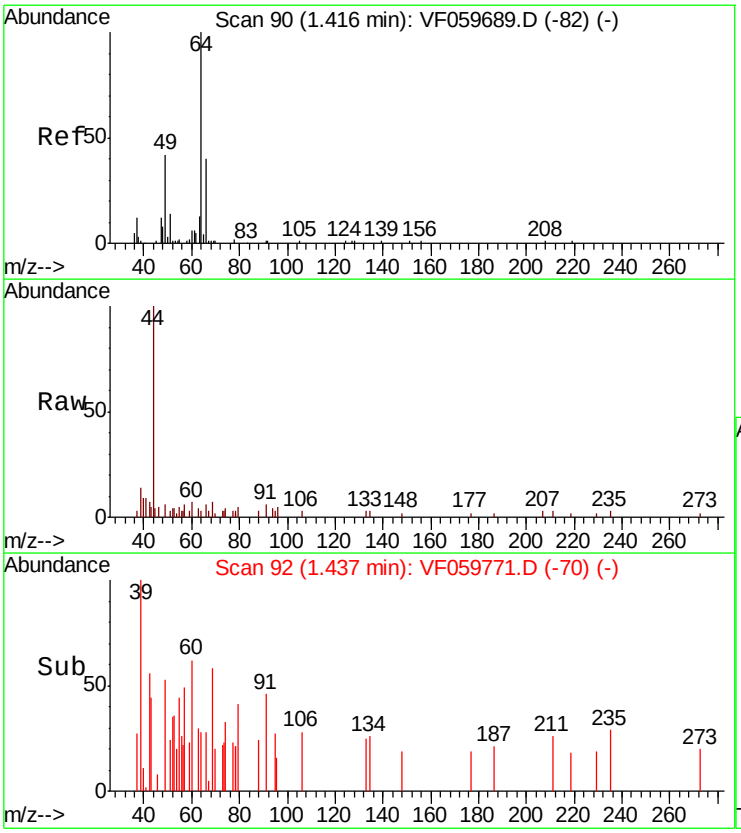

#5
Bromomethane
Concen: Below Cal
RT: 1.34 min Scan# 82
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 94 Resp: 603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 73.6 | 110.4# |

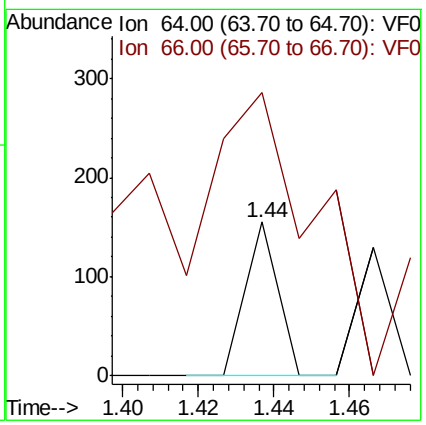


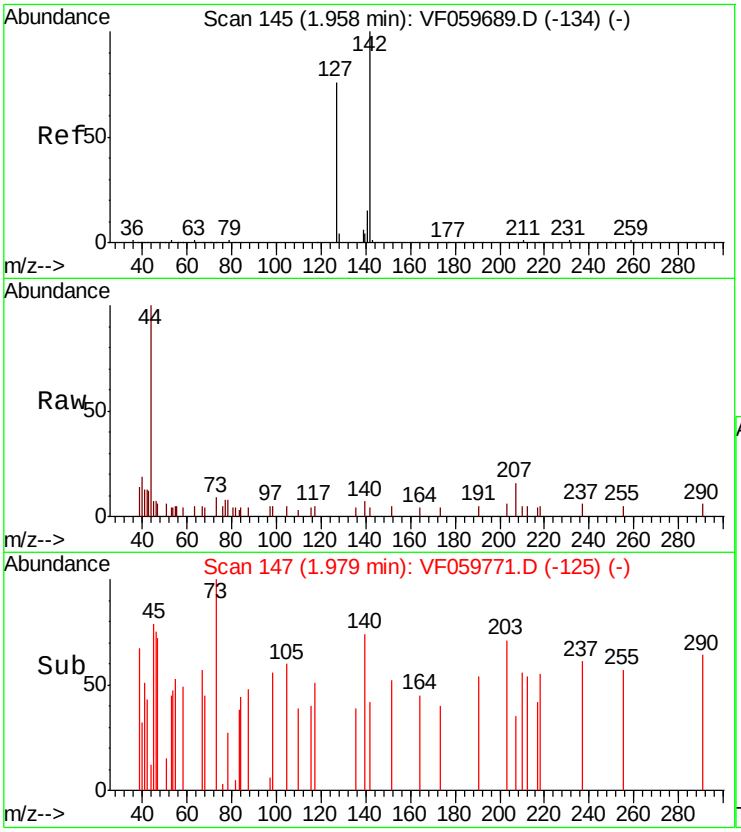




#6
Chloroethane
Concen: Below Cal
RT: 1.44 min Scan# 92
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 64 Resp: 92

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 184.5 | 32.6 | 49.0# |



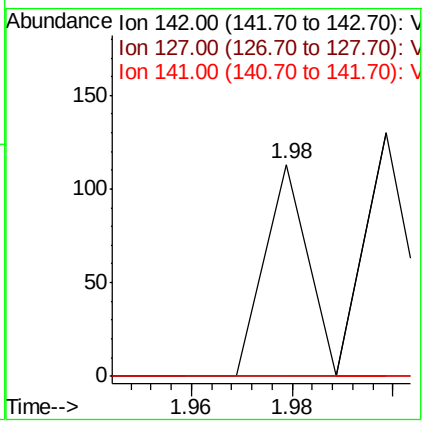


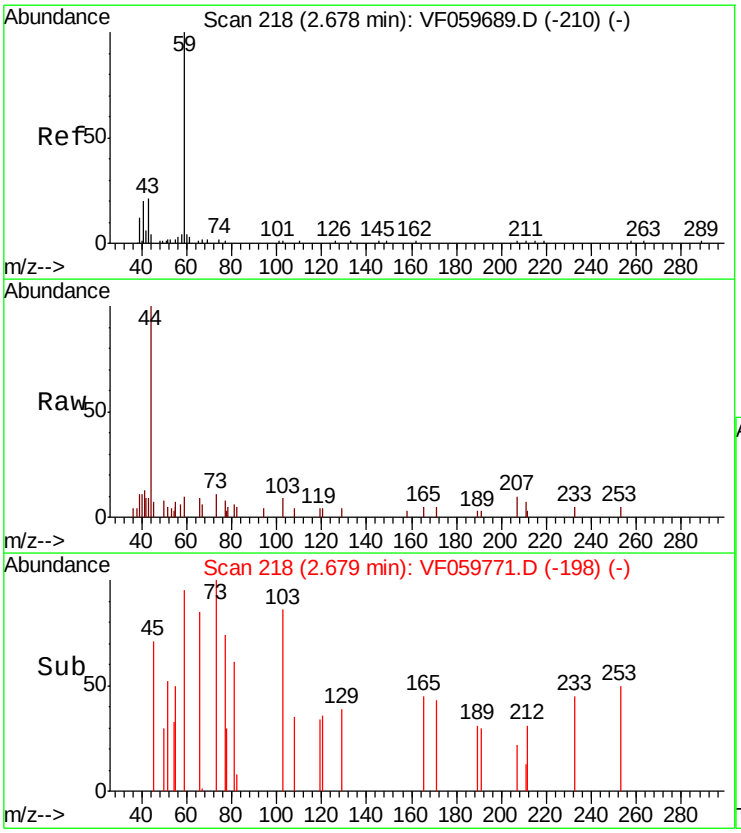

#10
Methyl Iodide
Concen: Below Cal
RT: 1.98 min Scan# 147
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion:142 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 60.6 | 91.0# |
| 141 | 0.0 | 12.0 | 18.0# |

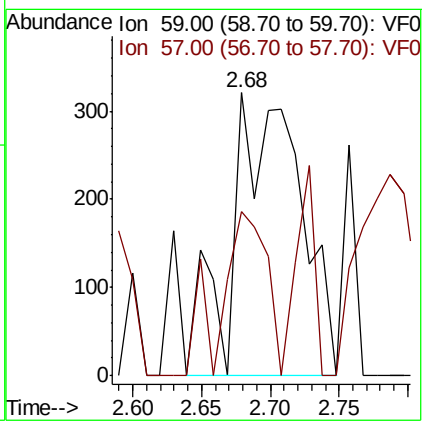


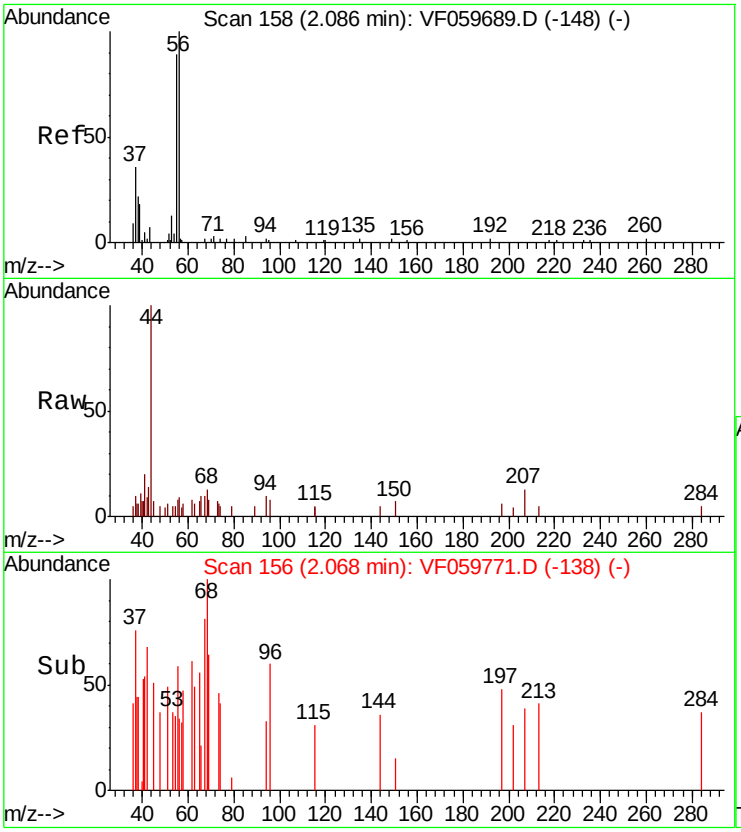




#11
Tert butyl alcohol
Concen: 3.759 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 59 Resp: 1126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 57.9 | 7.6 | 11.4# |



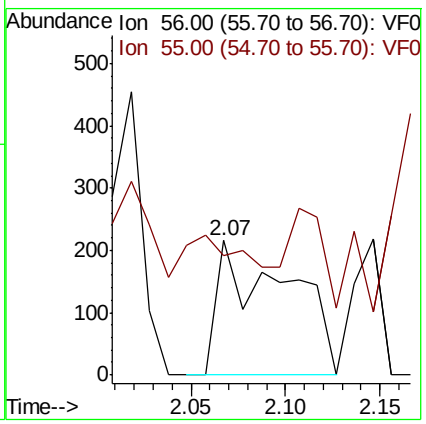


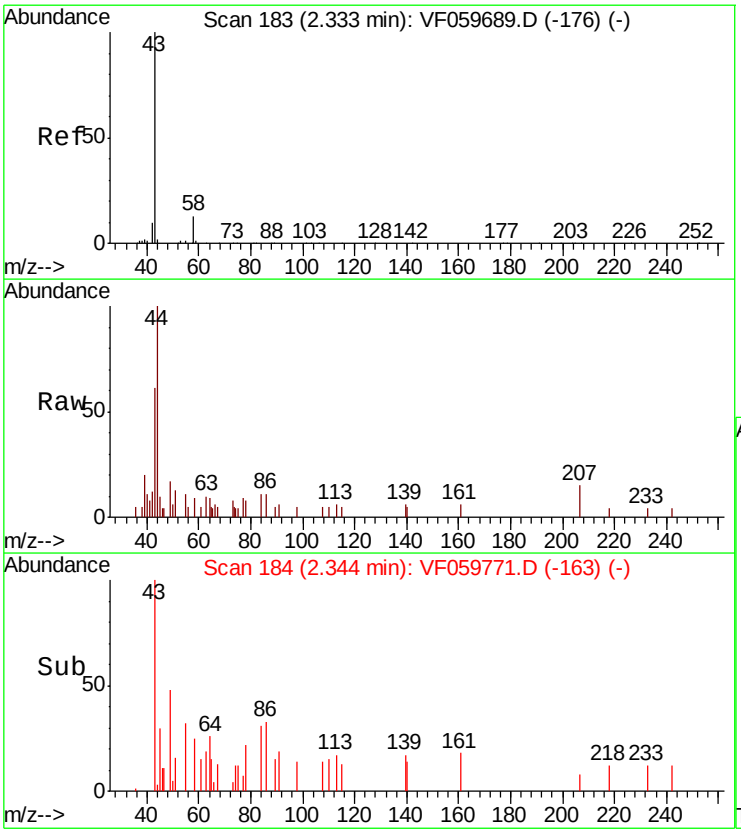

#13
Acrolein
Concen: 20.599 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 56 Resp: 550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 88.9 | 73.2 | 109.8 |

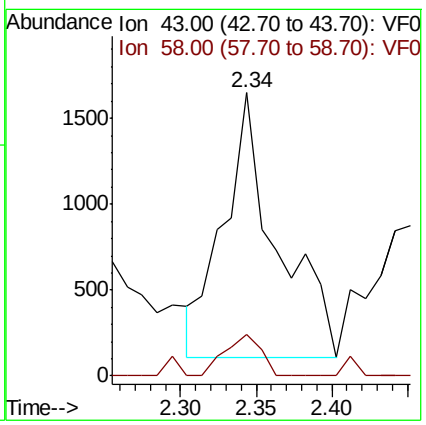


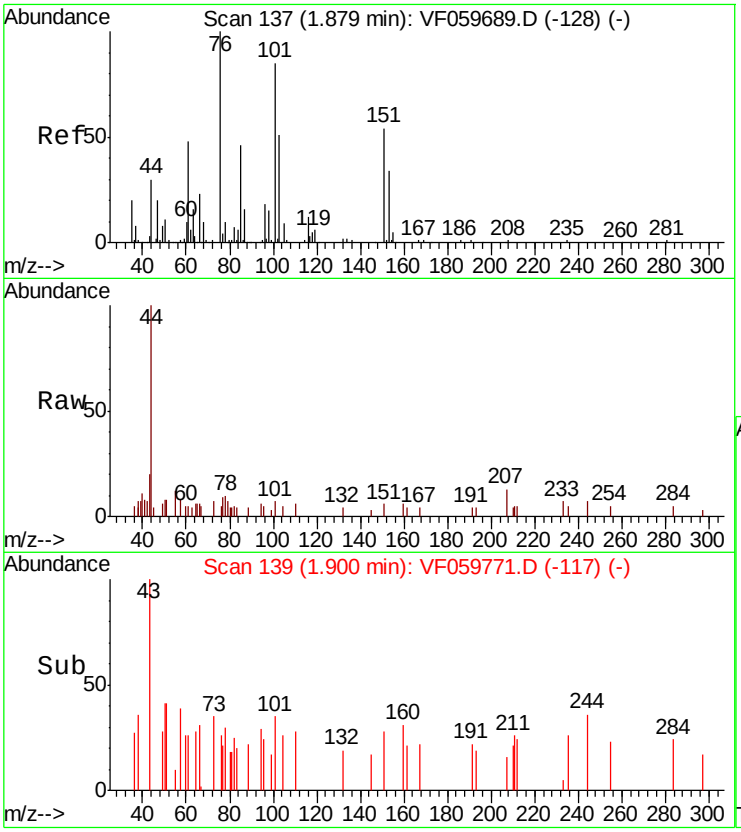




#16
Acetone
Concen: 3.876 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 43 Resp: 3747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.5 | 10.1 | 15.1 |



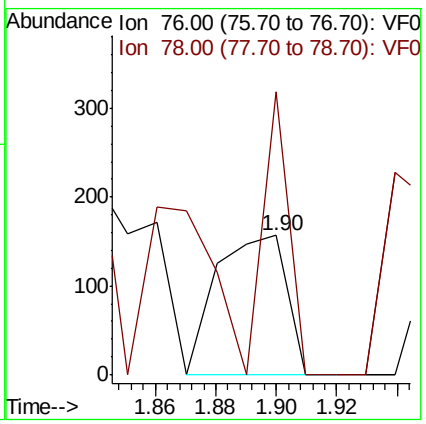


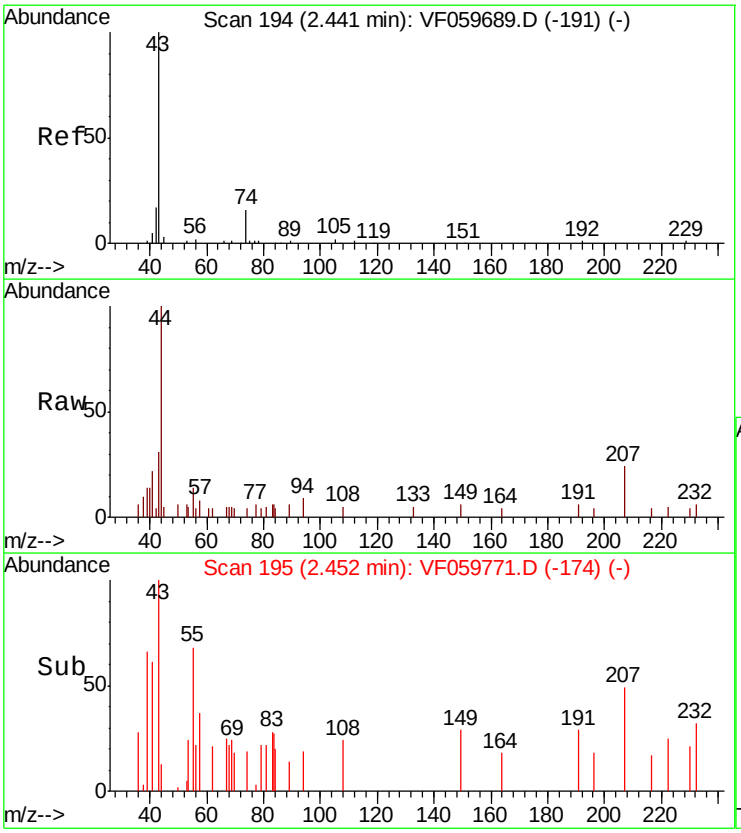

#17
Carbon Disulfide
Concen: Below Cal
RT: 1.90 min Scan# 139
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 76 Resp: 254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 202.5 | 8.9 | 13.3# |

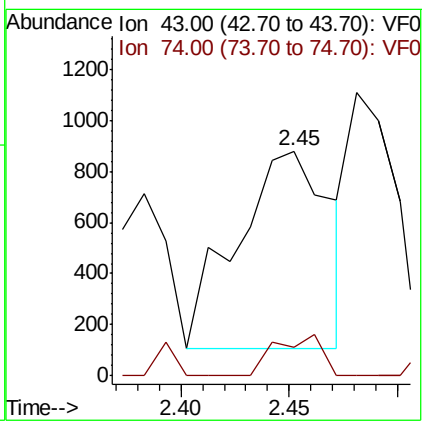


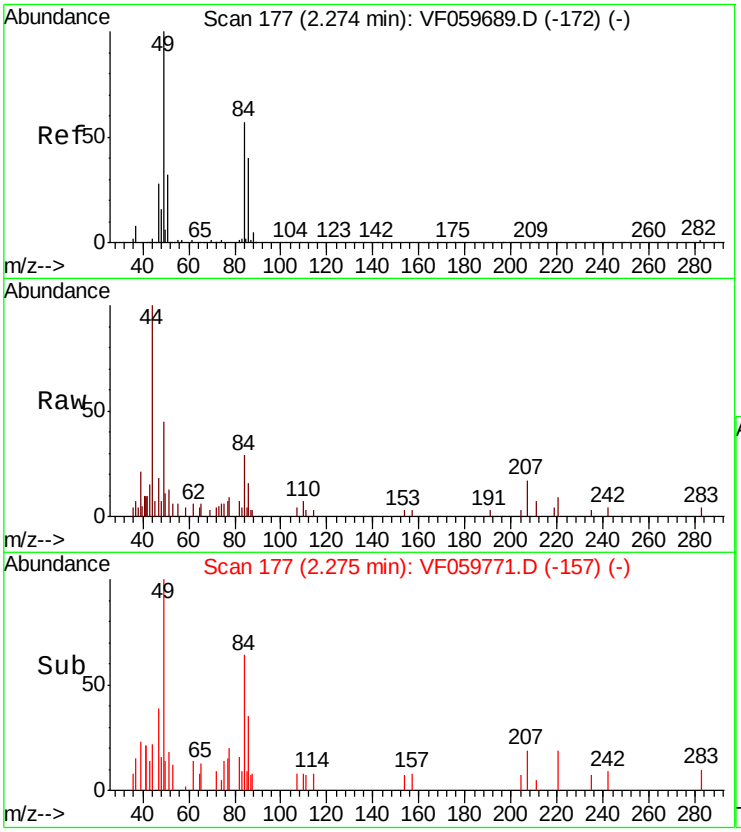




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 43 Resp: 2312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 12.9 | 11.8 | 17.6 |



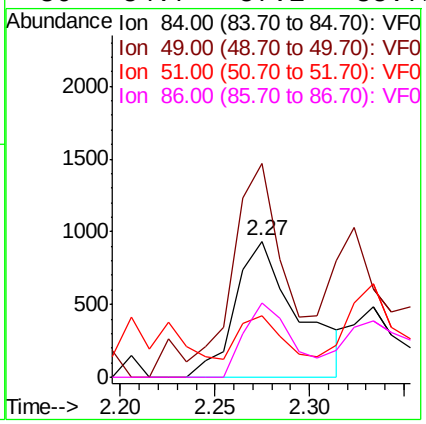


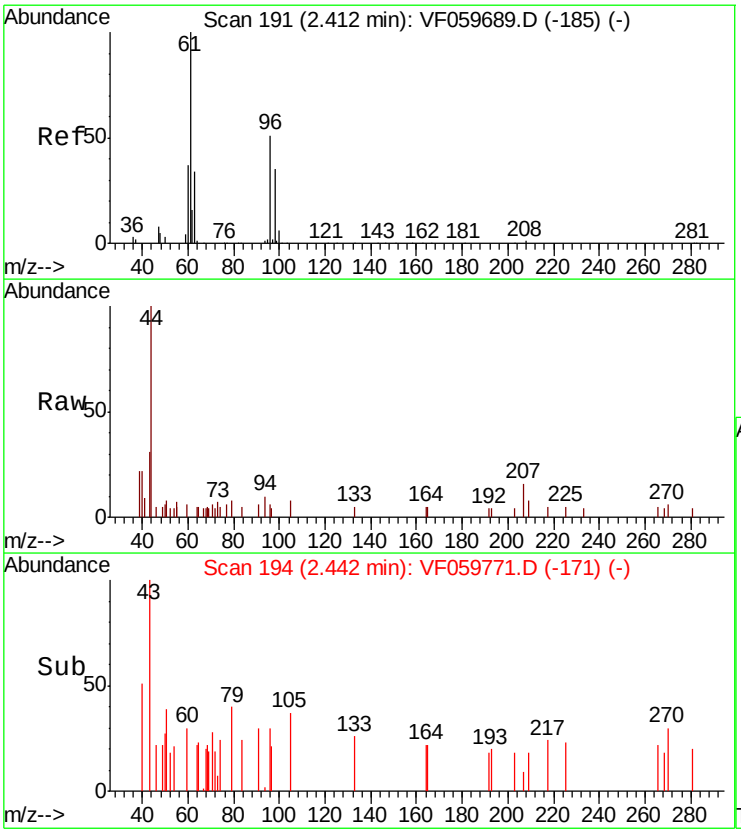

#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 84 Resp: 2163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 156.8 | 142.2 | 213.4 |
| 51 | 44.8 | 46.2 | 69.2# |
| 86 | 54.7 | 57.1 | 85.7# |

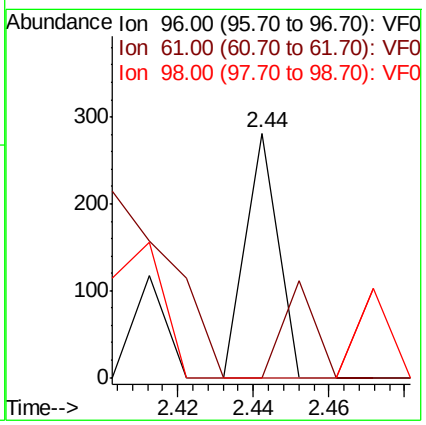


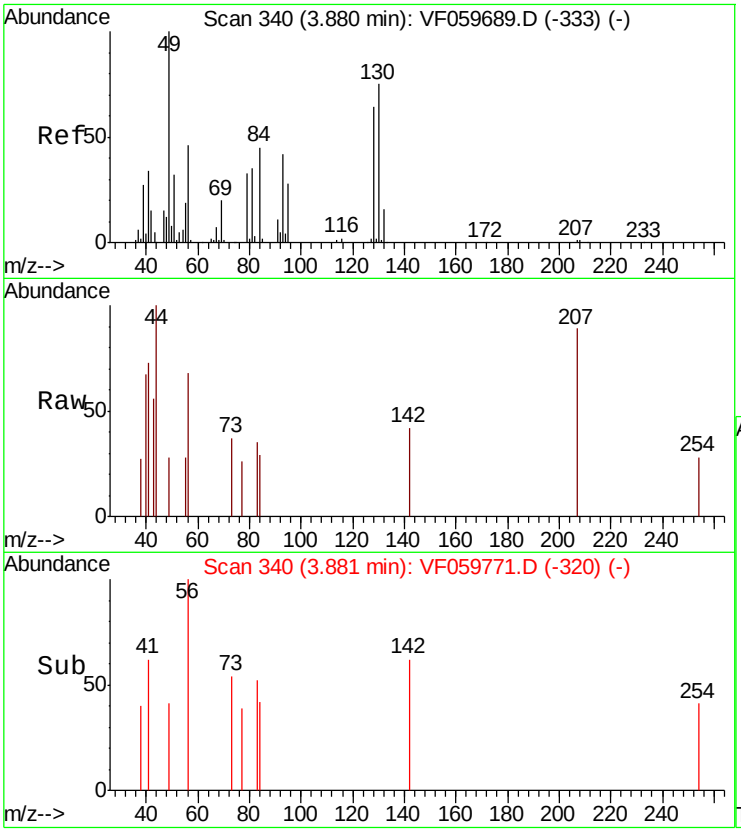




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. 0.03 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 96 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 157.4 | 236.0# |
| 98 | 0.0 | 55.0 | 82.4# |



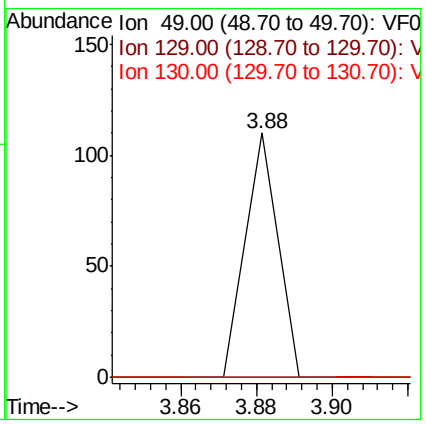


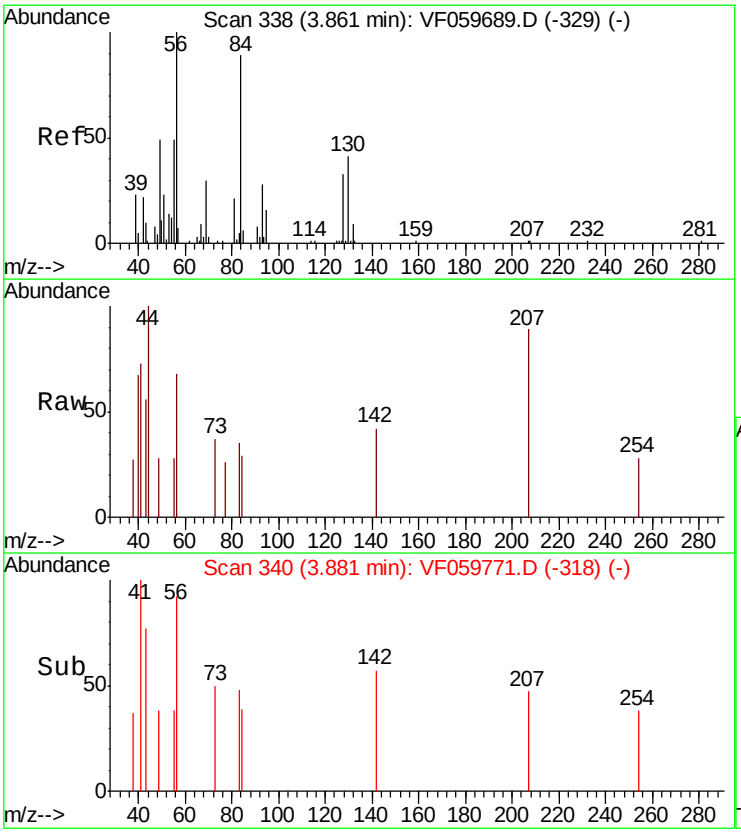

#28
Bromochloromethane
Concen: Below Cal
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 49 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.8 |
| 130 | 0.0 | 59.6 | 89.4# |

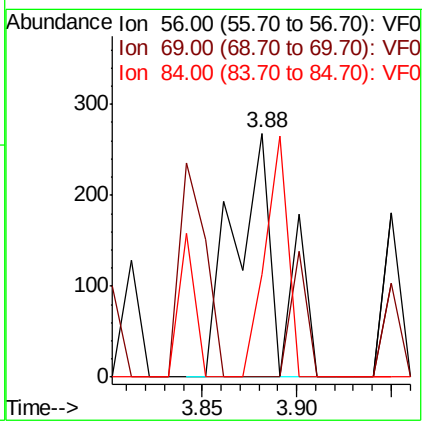


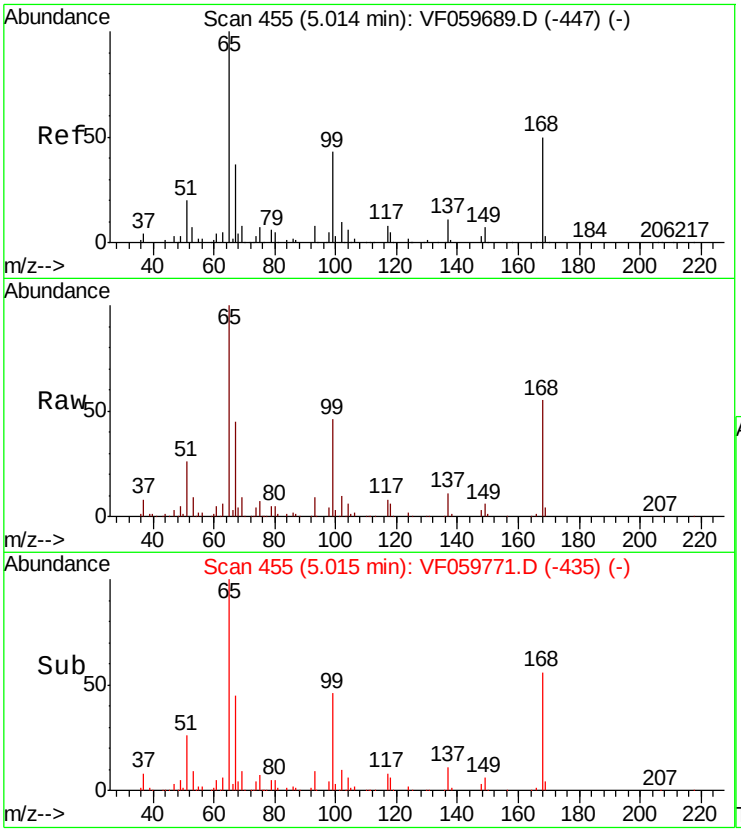




#31
Cyclohexane
Concen: Below Cal
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 56 Resp: 448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 0.0 | 23.7 | 35.5# |
| 84 | 42.2 | 71.1 | 106.7# |



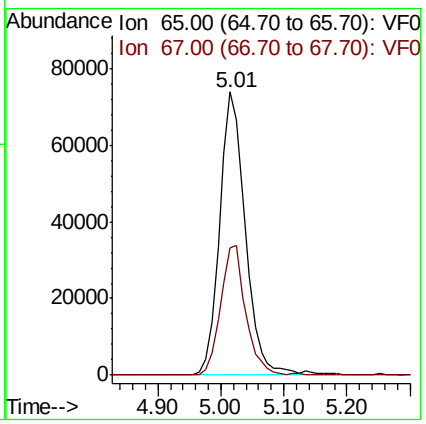


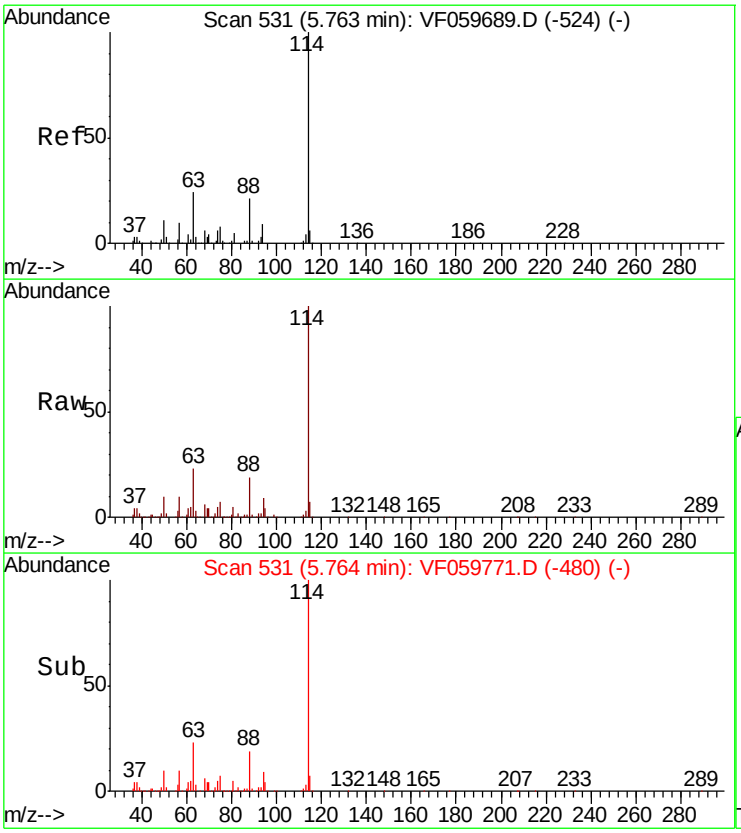

#33
1,2-Dichloroethane-d4
Concen: 39.031 ug/l
RT: 5.01 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 65 Resp: 209769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 44.8 | 0.0 | 84.6 |

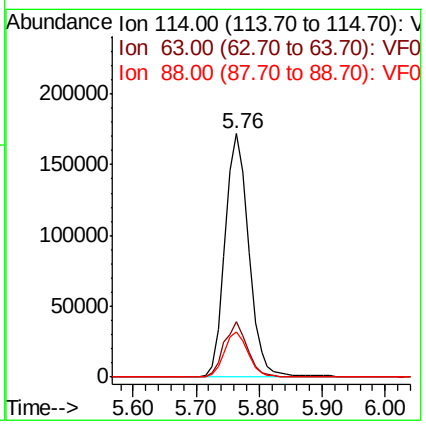


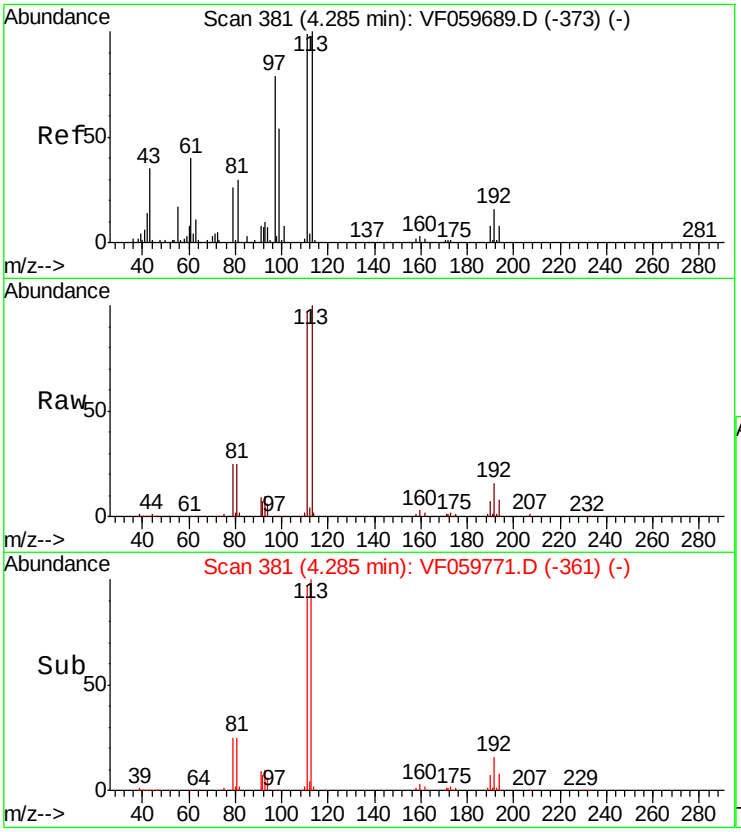




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:114 Resp: 449727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.7 | 0.0 | 47.4 |
| 88 | 18.5 | 0.0 | 41.2 |



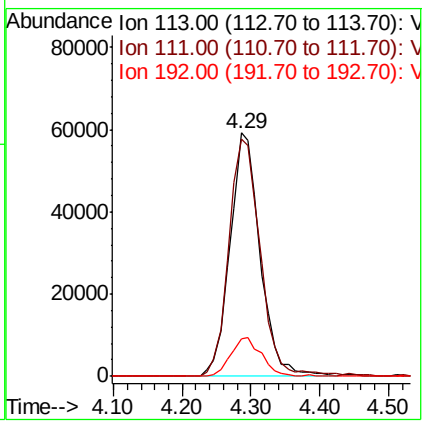


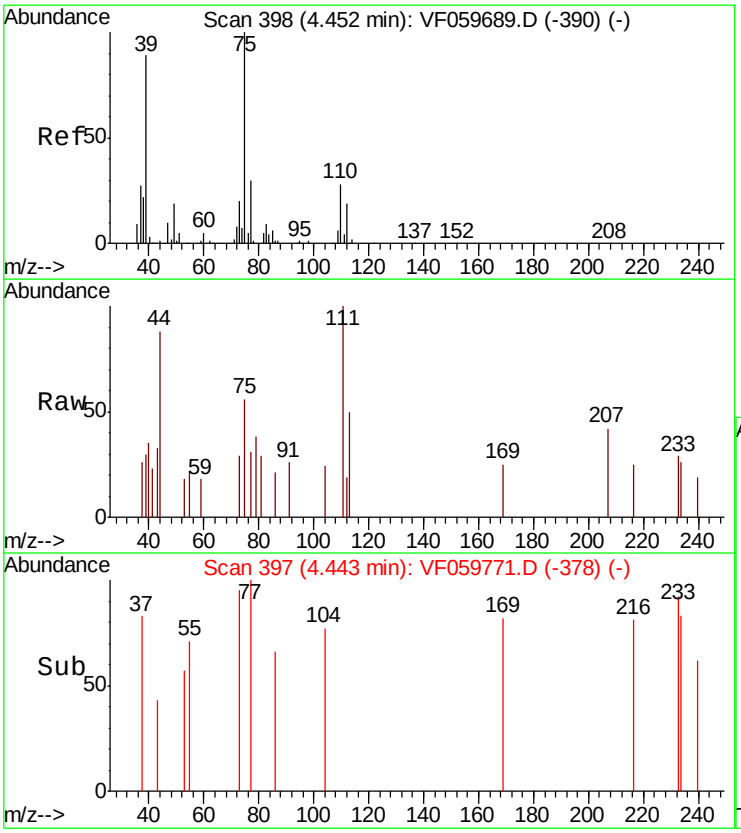

#35
Dibromofluoromethane
Concen: 38.376 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:113 Resp: 179257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 97.2 | 79.0 | 118.4 |
| 192 | 15.6 | 13.2 | 19.8 |

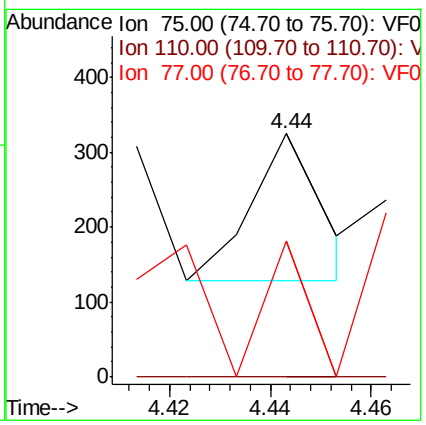


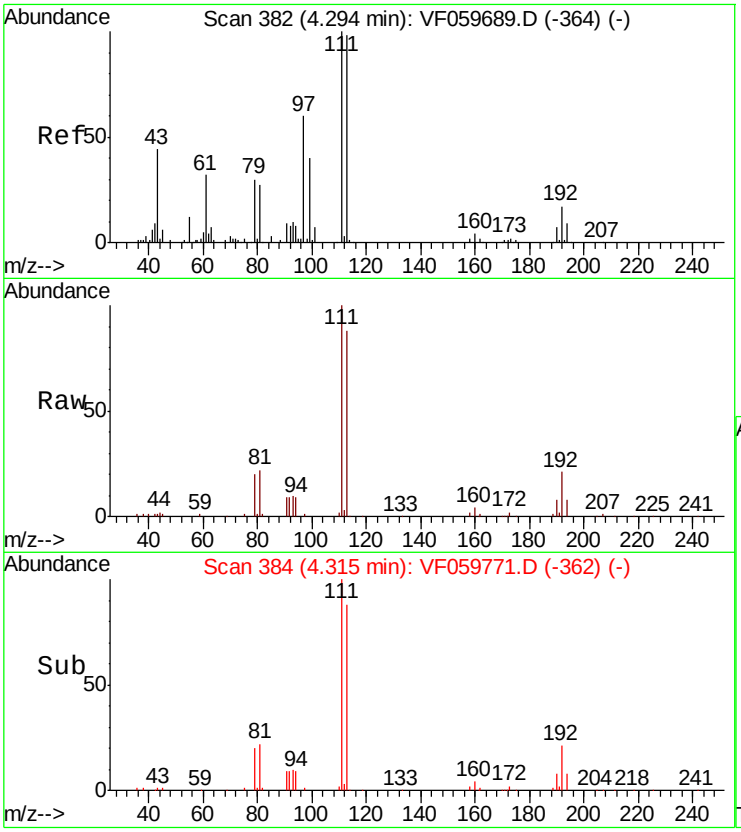




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.44 min Scan# 397
Delta R.T. -0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 75 Resp: 189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 14.0 | 41.9# |
| 77 | 55.7 | 24.2 | 36.2# |



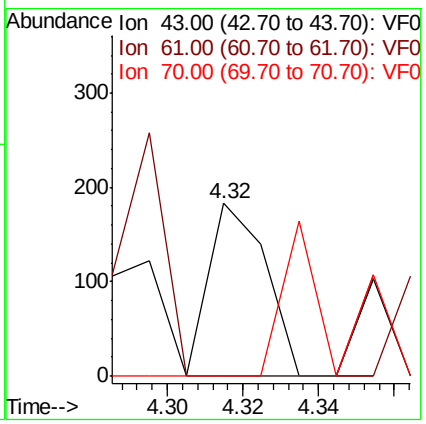


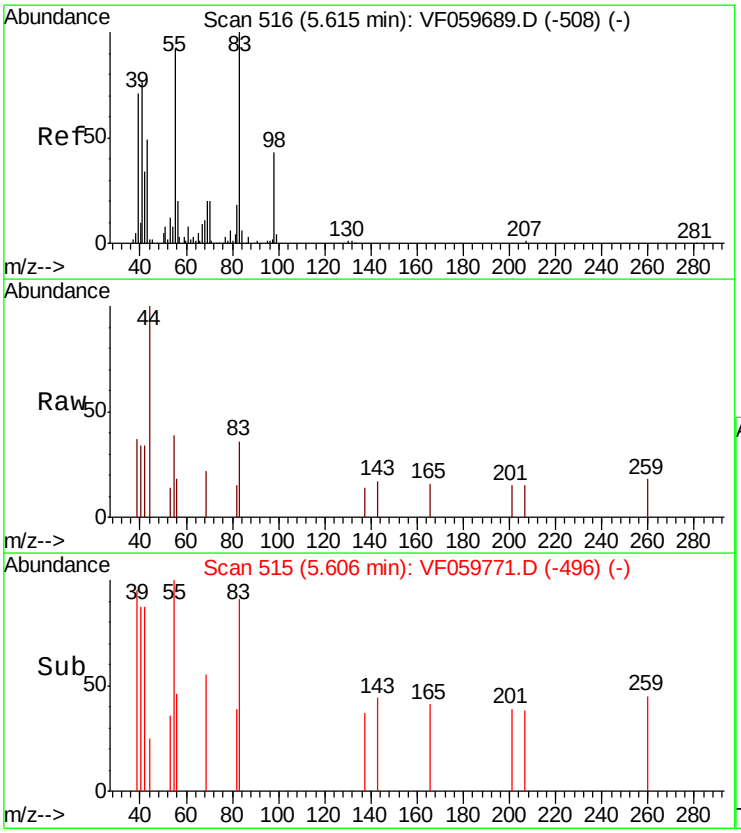

#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 43 Resp: 191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 58.2 | 87.2# |
| 70 | 0.0 | 6.0 | 9.0# |

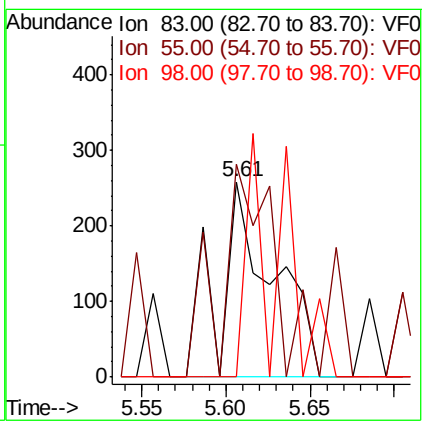


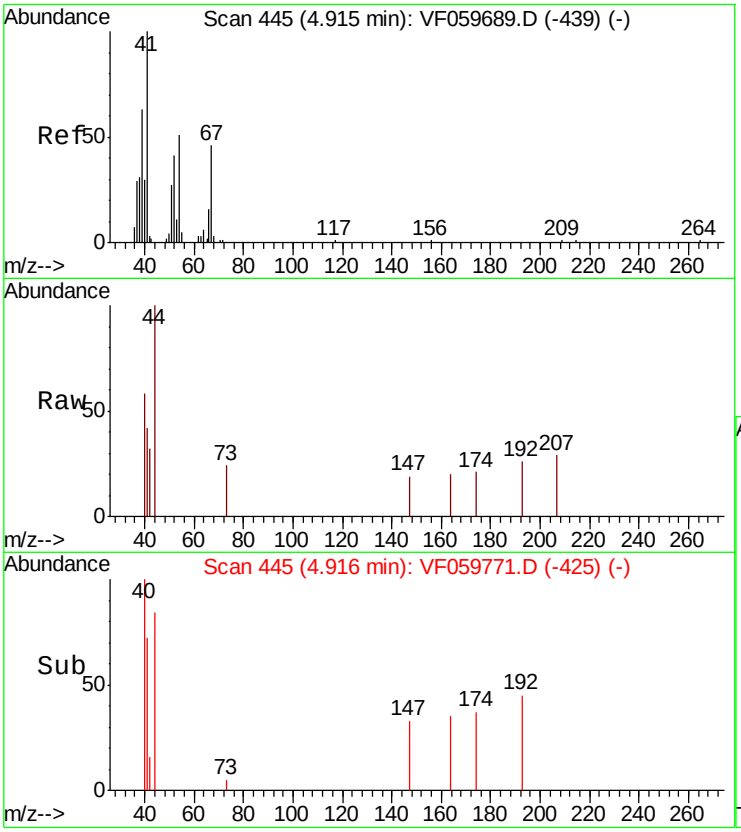




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 83 Resp: 575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 109.3 | 73.4 | 110.2 |
| 98 | 0.0 | 34.2 | 51.4# |



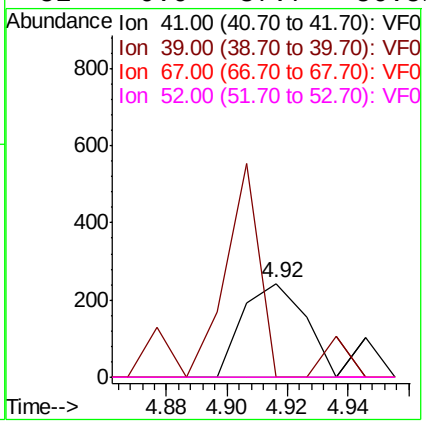


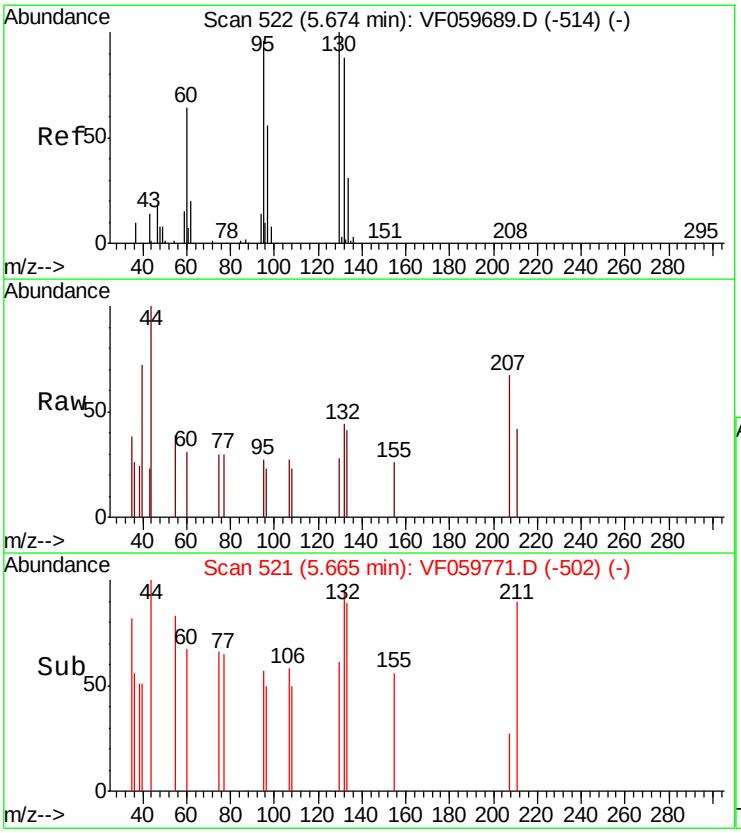

#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 41 Resp: 348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 55.2 | 82.8# |
| 67 | 0.0 | 36.2 | 54.2# |
| 52 | 0.0 | 37.7 | 56.5# |

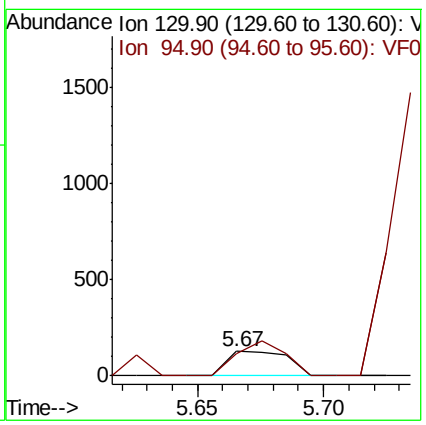


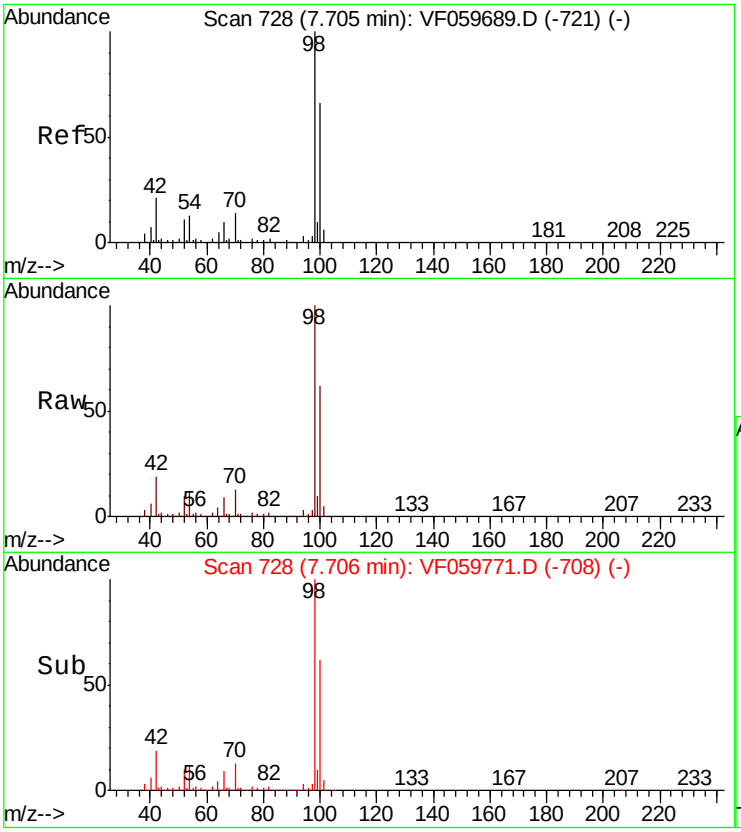




#44
Trichloroethene
Concen: Below Cal
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:130 Resp: 213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.7 | 0.0 | 191.0 |



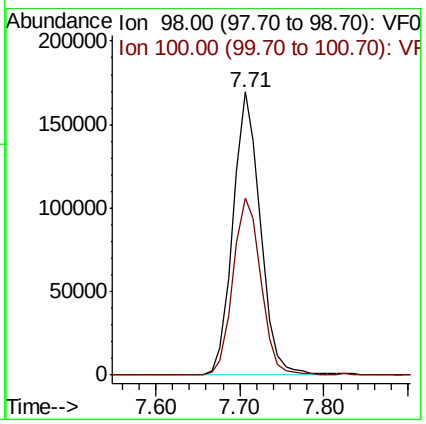


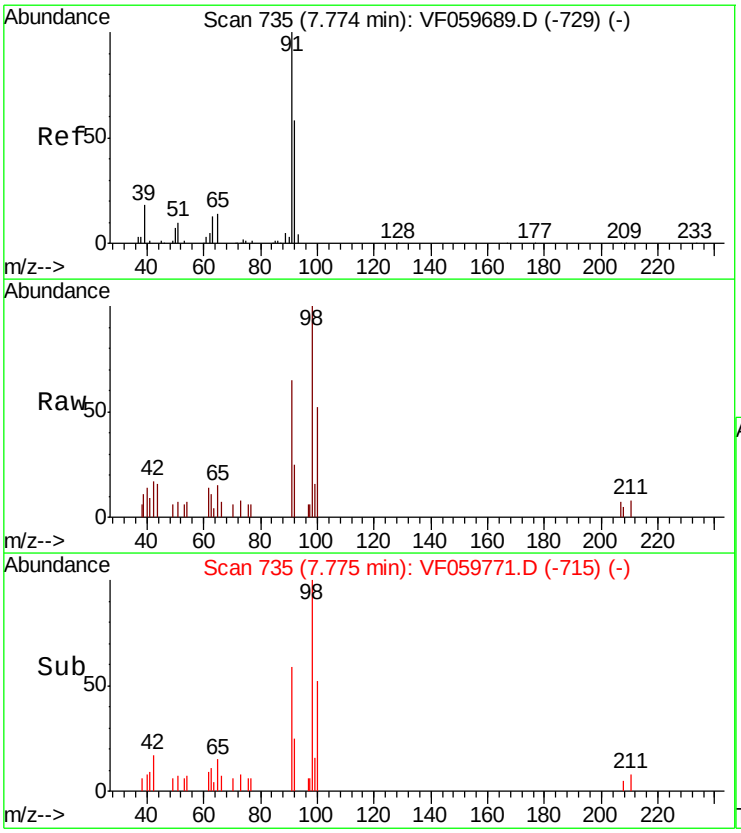

#50
Toluene-d8
Concen: 35.218 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 98 Resp: 383626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.5 | 52.8 | 79.2 |

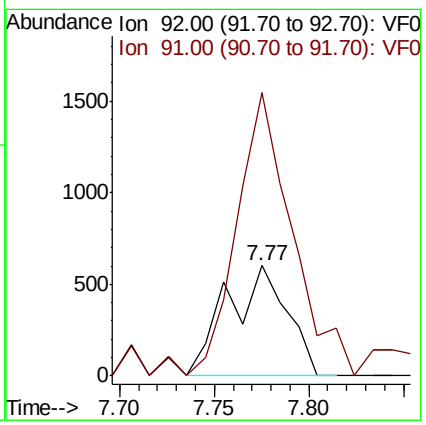


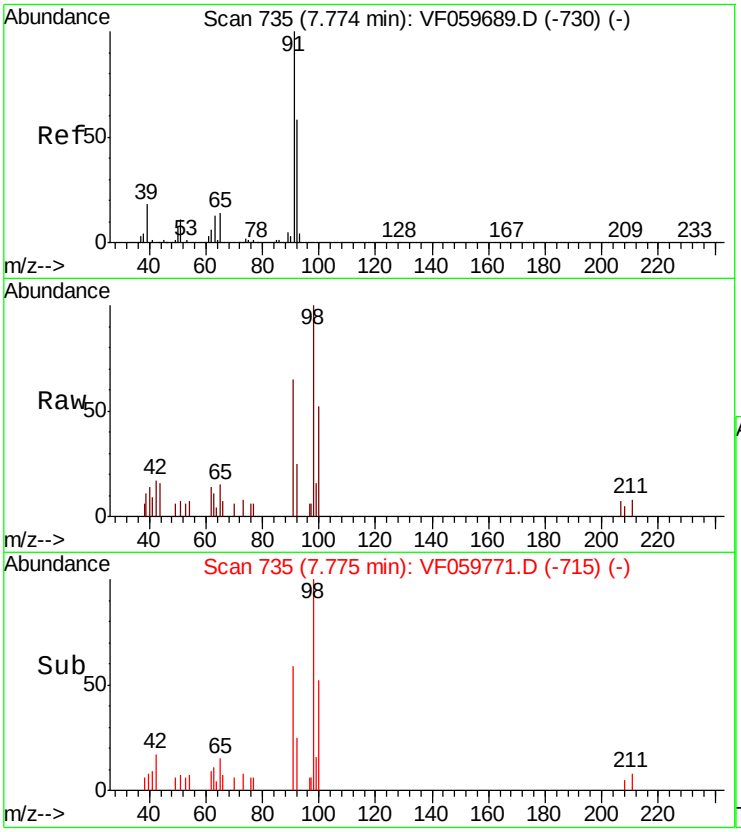




#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 92 Resp: 1327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 256.9 | 139.0 | 208.4# |



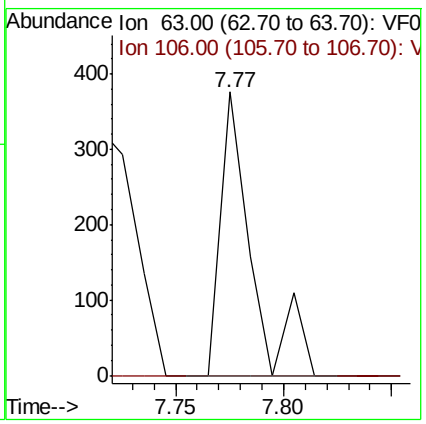


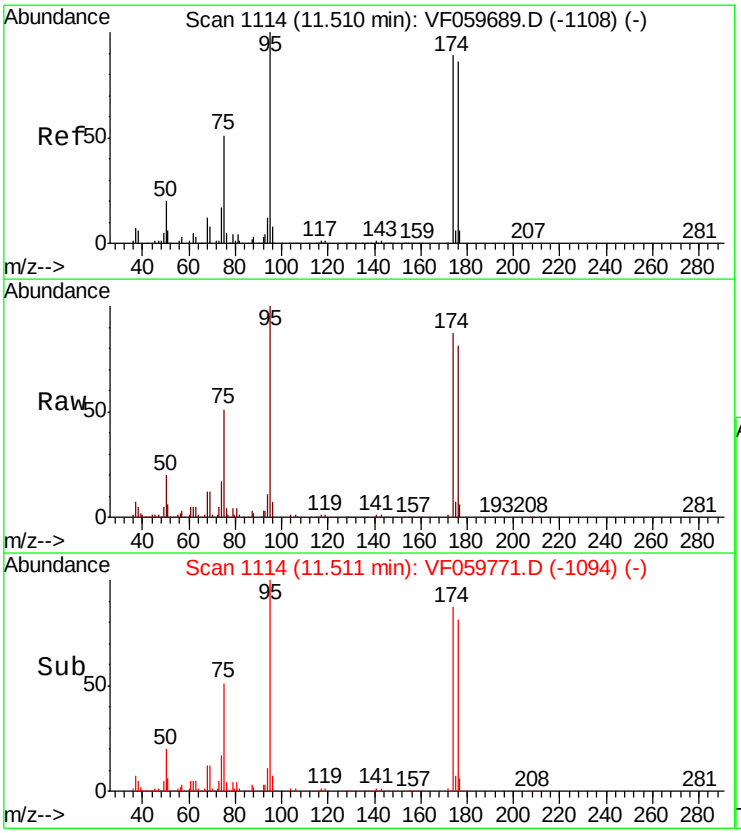

#58
2-Chloroethyl Vinyl ether
Concen: 1.283 ug/l
RT: 7.77 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion: 63 Resp: 380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |

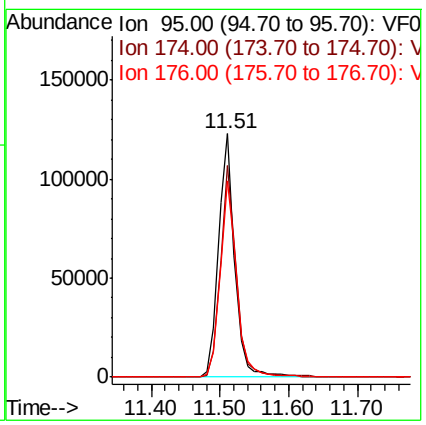


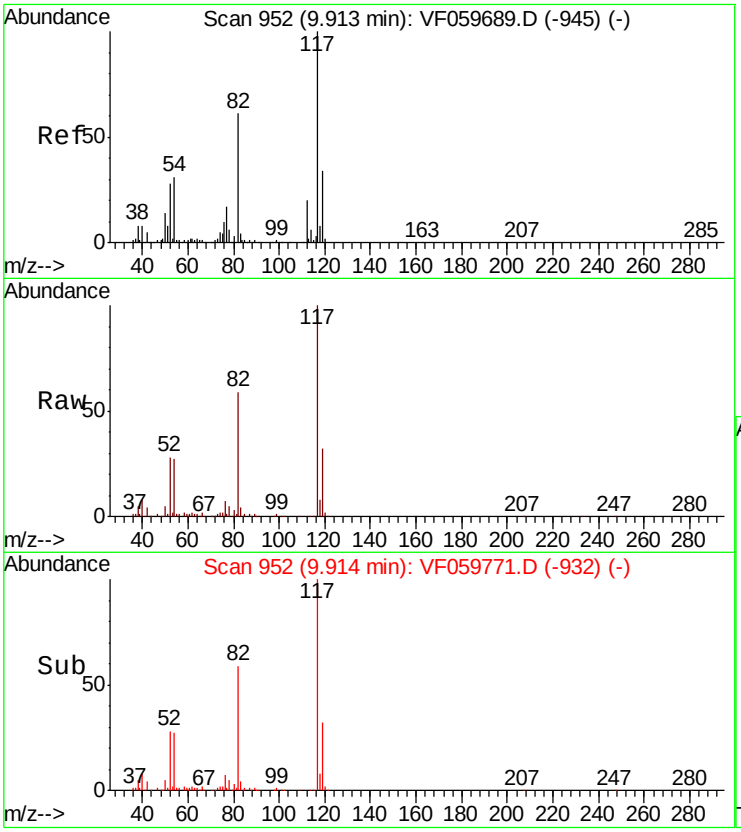




#62
4-Bromofluorobenzene
Concen: 33.146 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 95 Resp: 199877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.7 | 0.0 | 178.4 |
| 176 | 80.8 | 0.0 | 173.0 |



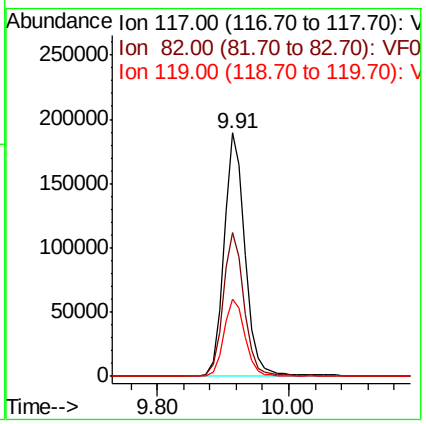


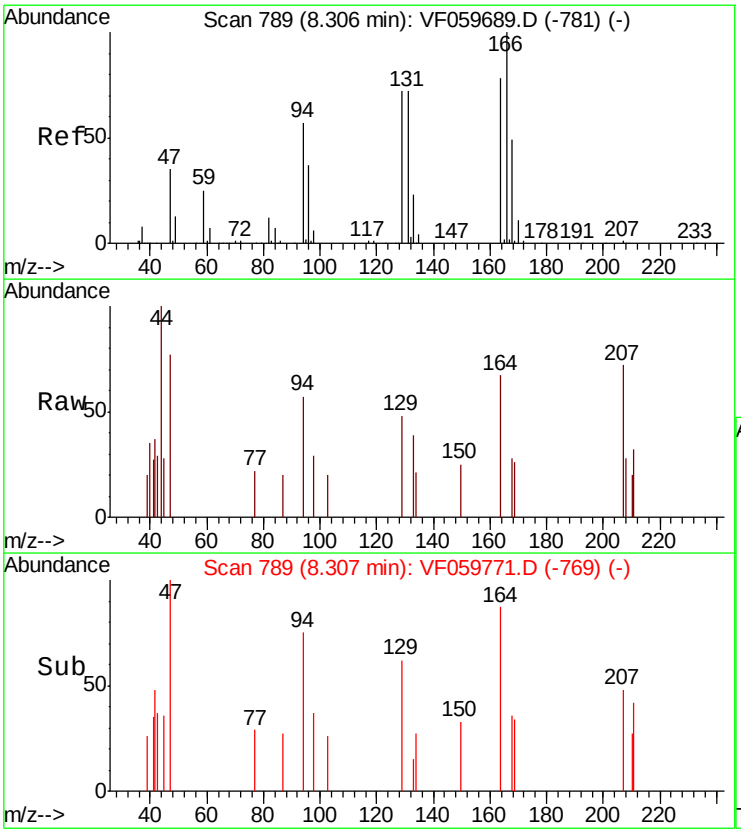

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:117 Resp: 421860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.1 | 49.0 | 73.4 |
| 119 | 31.6 | 27.3 | 40.9 |

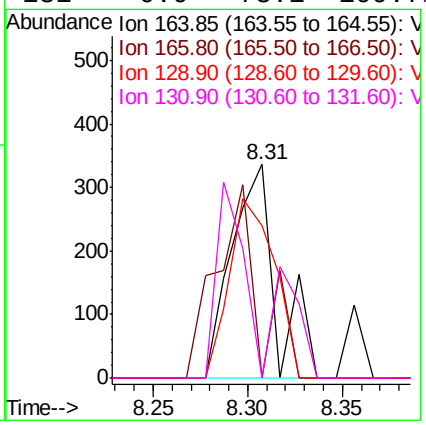


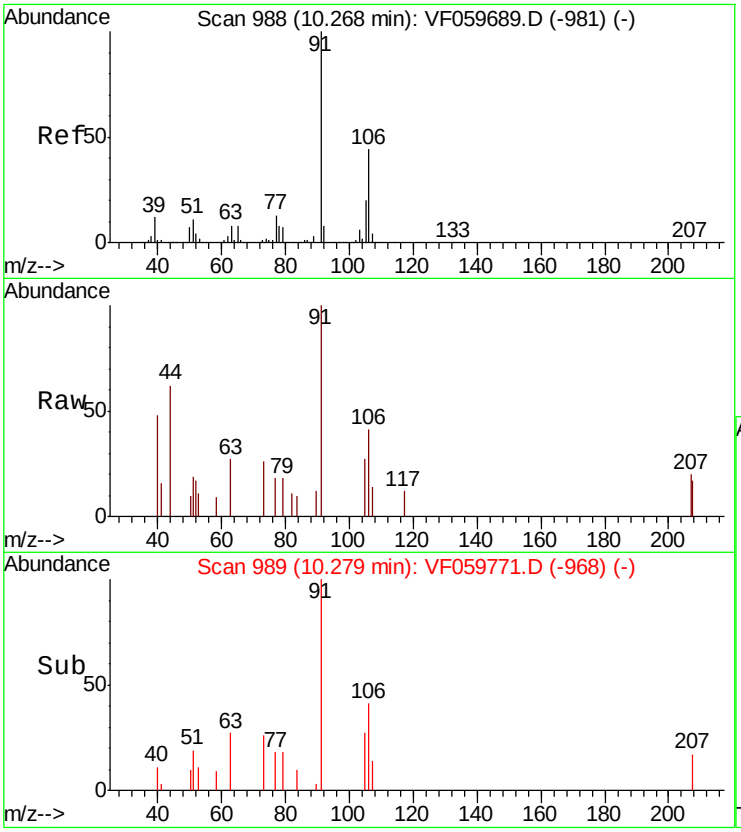




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:164 Resp: 548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 0.0 | 102.1 | 153.1# |
| 129 | 71.4 | 73.8 | 110.6# |
| 131 | 0.0 | 73.1 | 109.7# |



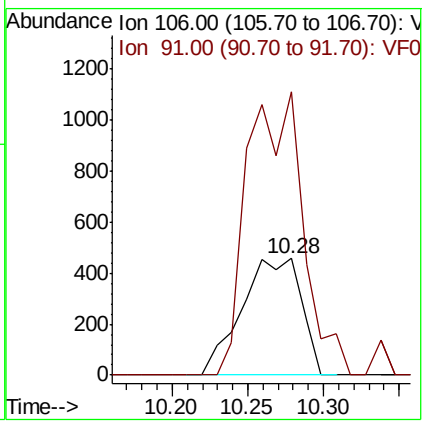


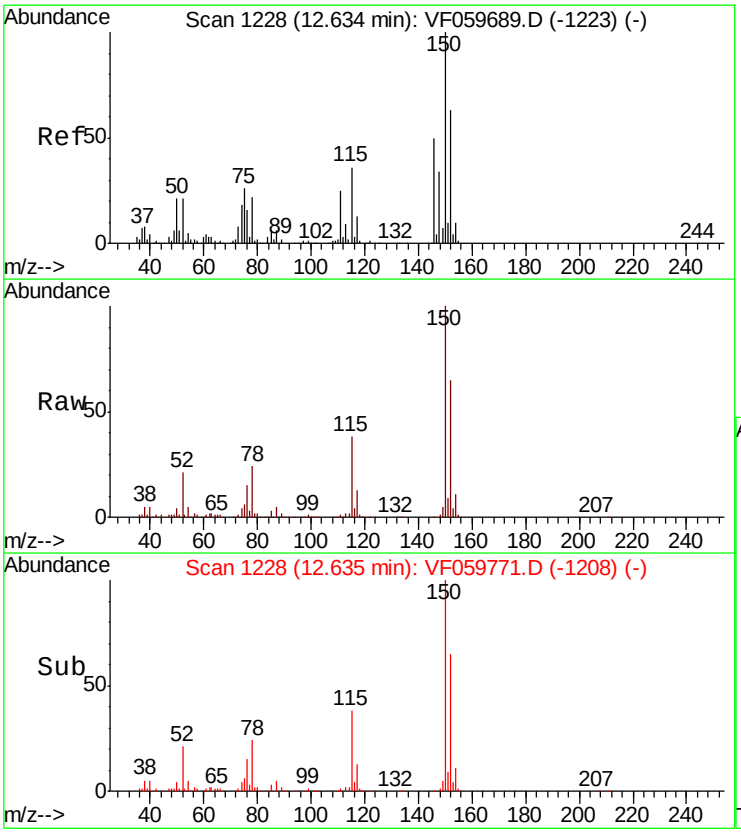

#68
m/p-Xylenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:106 Resp: 1253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 242.7 | 181.7 | 272.5 |

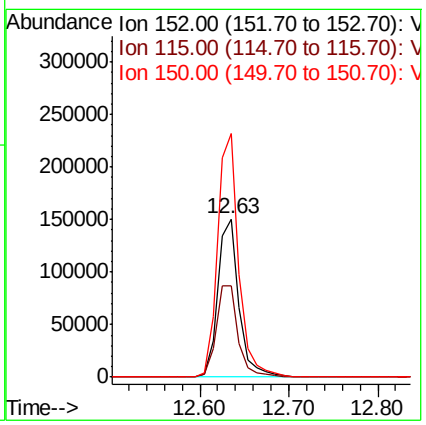


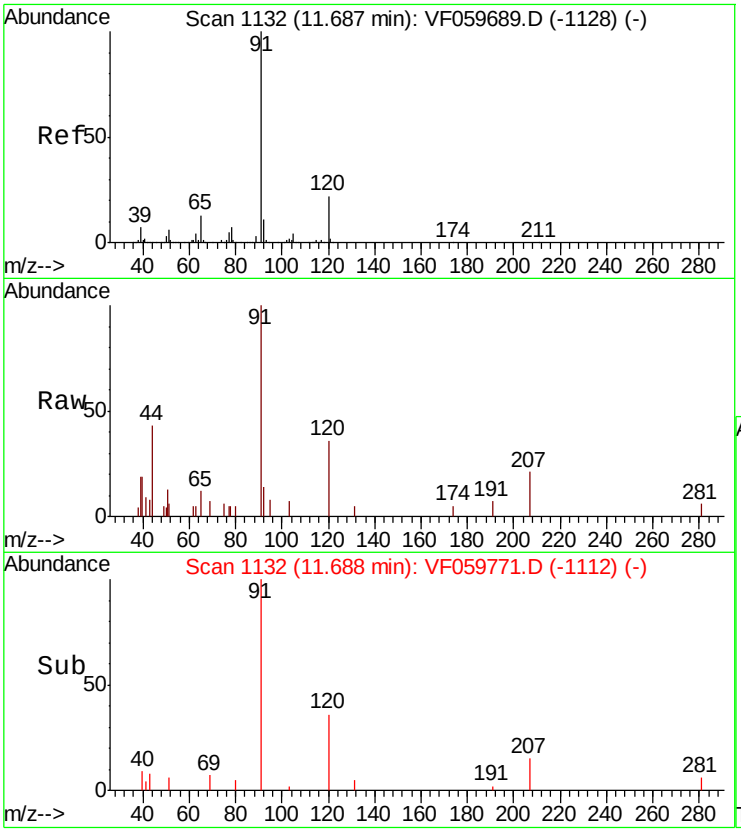




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:152 Resp: 250509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 28.2 | 84.6 |
| 150 | 153.8 | 0.0 | 316.2 |



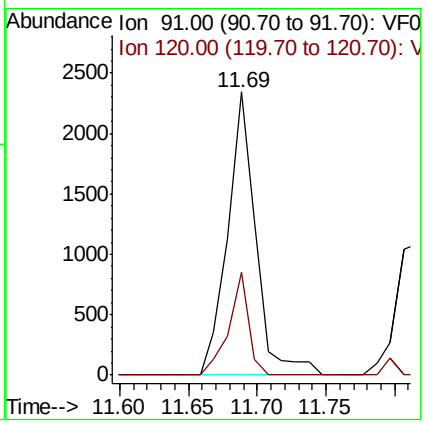


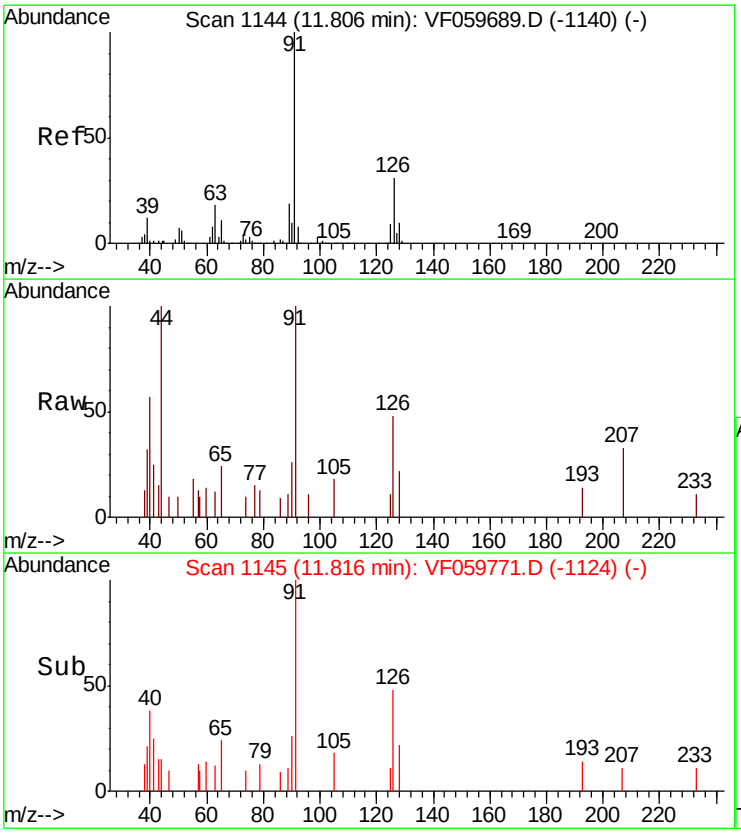

#78
n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion: 91 Resp: 3342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 36.4 | 11.0 | 33.0# |

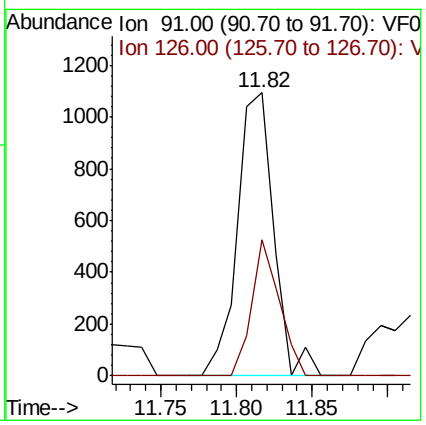


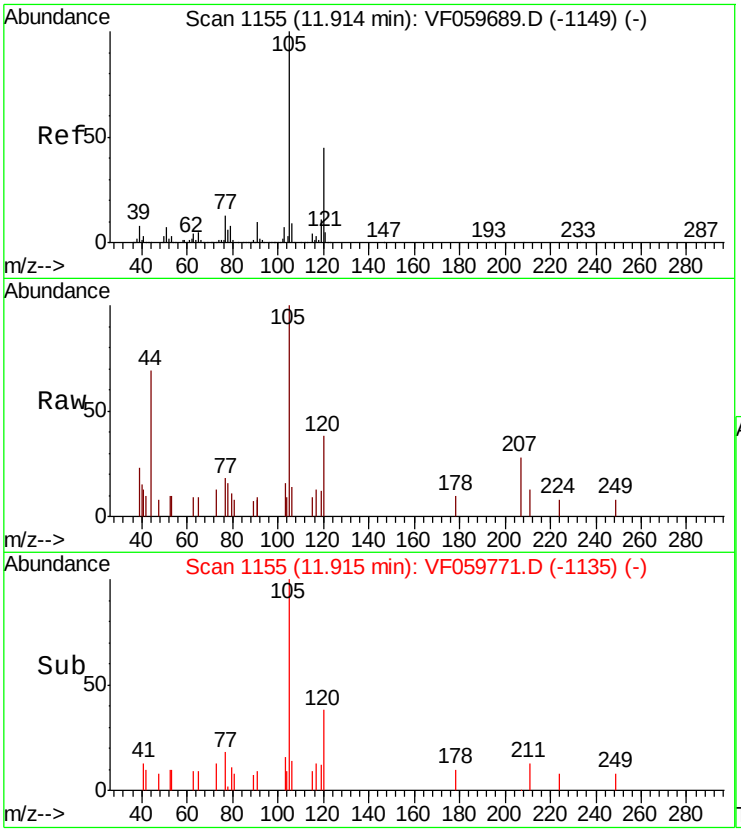




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.82 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 91 Resp: 1826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 47.9 | 15.4 | 46.2# |



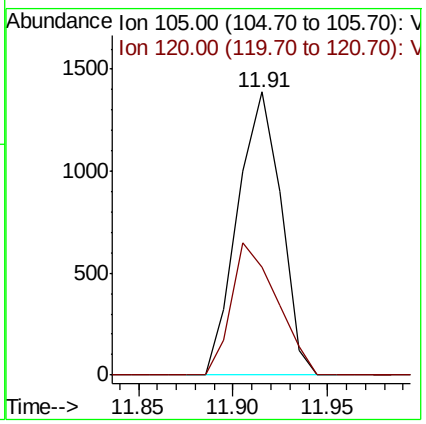


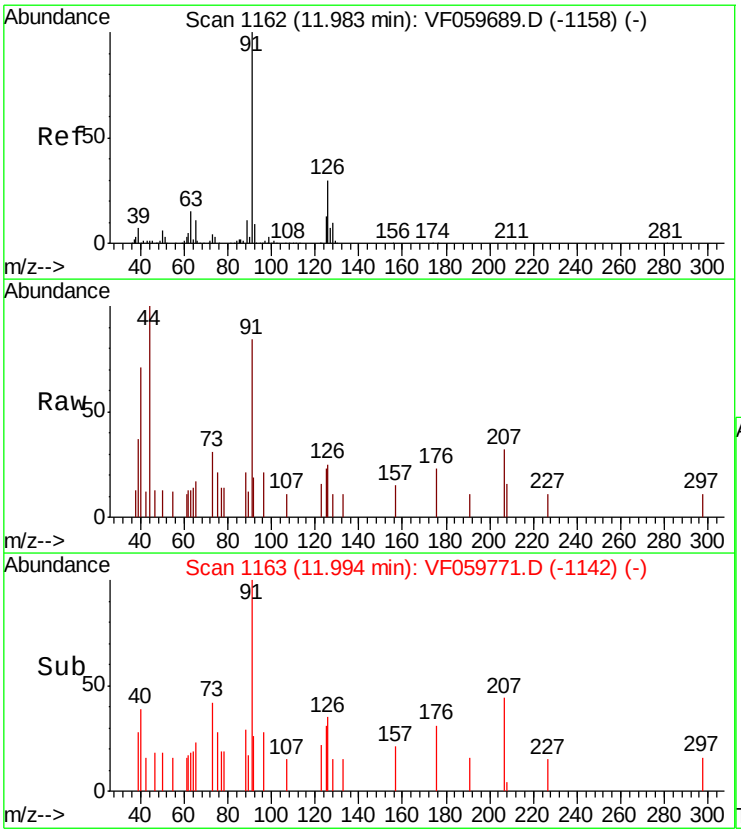

#80
1,3,5-Trimethylbenzene
Concen: Below Cal
RT: 11.91 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:105 Resp: 2210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 38.3 | 22.7 | 68.0 |

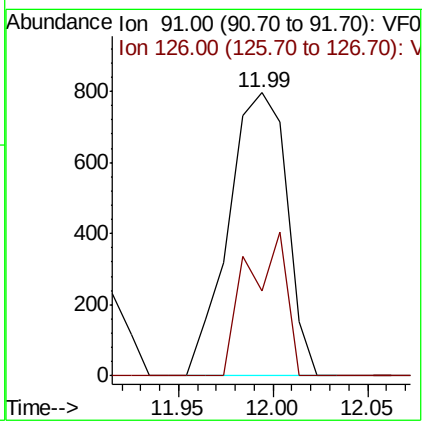


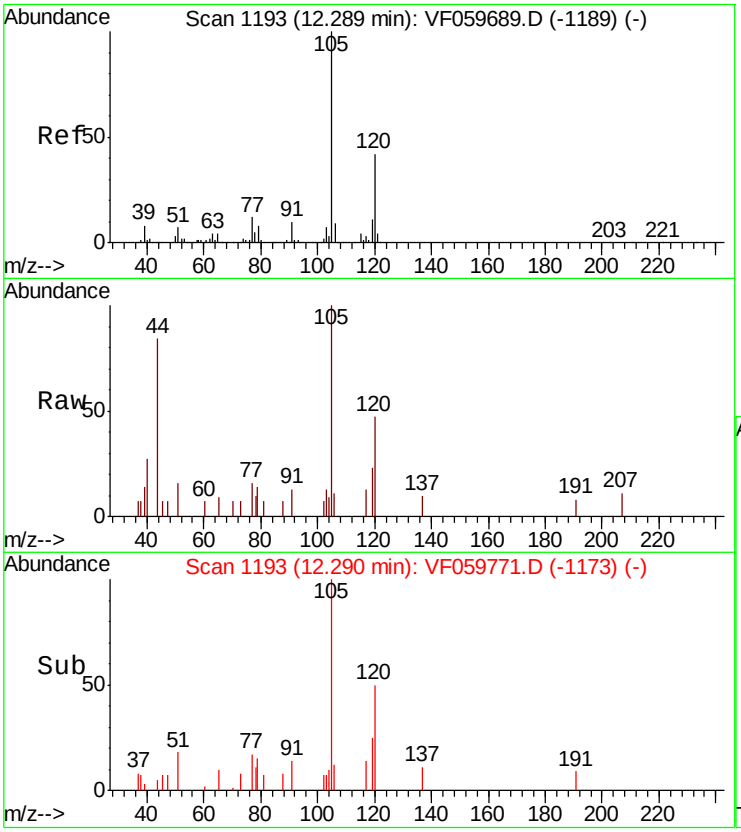




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.99 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 91 Resp: 1699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.2 | 15.2 | 45.6 |



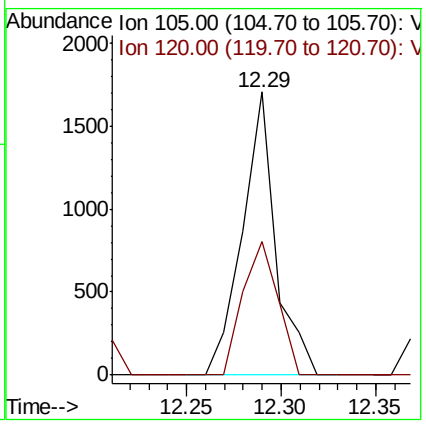


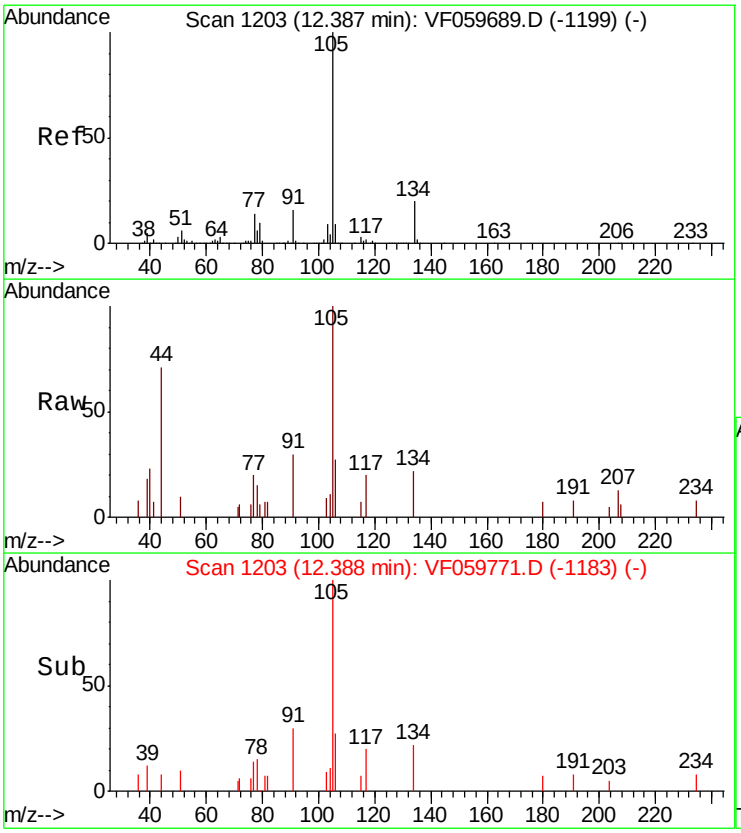

#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:105 Resp: 2080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 21.1 | 63.3 |

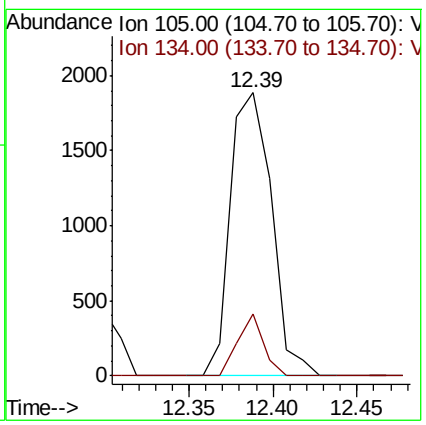


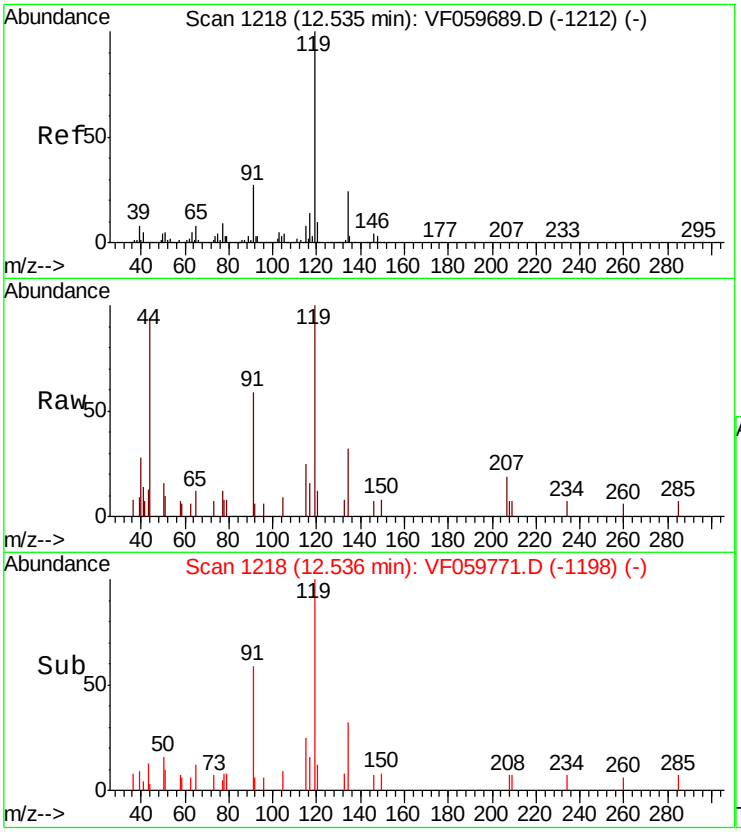




#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:105 Resp: 3211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 21.7 | 9.8 | 29.3 |



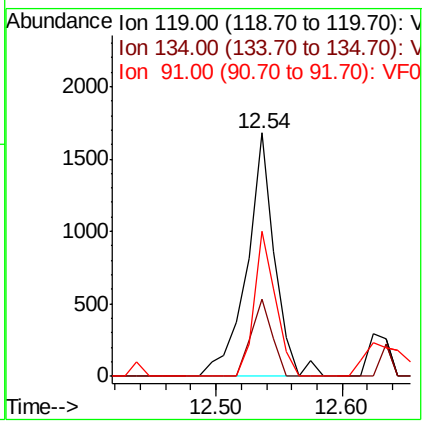


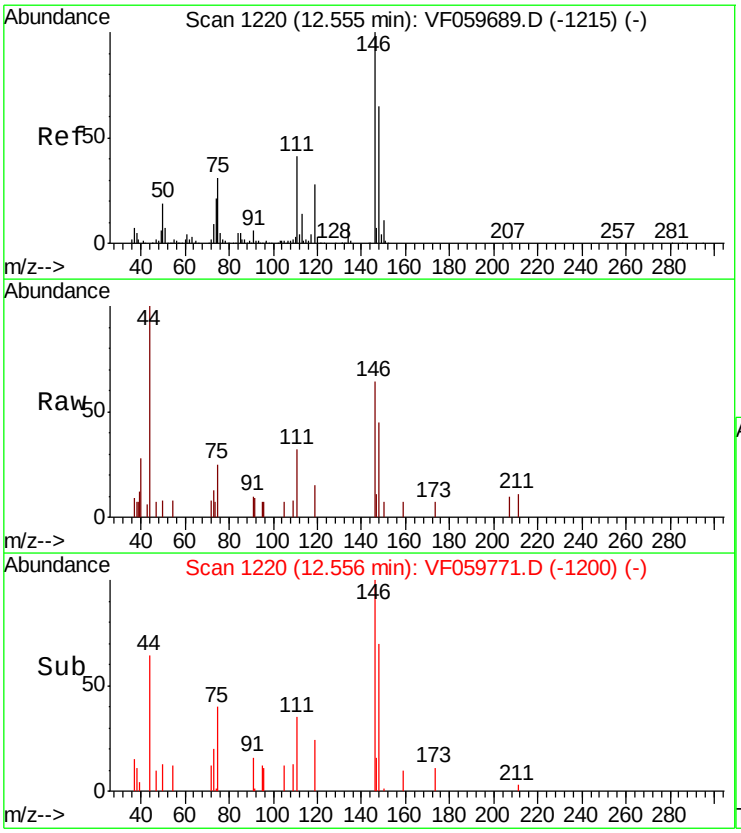

#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion:119 Resp: 2573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 31.8 | 12.2 | 36.6 |
| 91 | 59.5 | 13.4 | 40.2# |

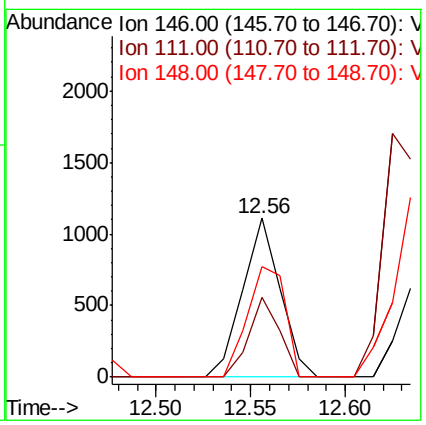


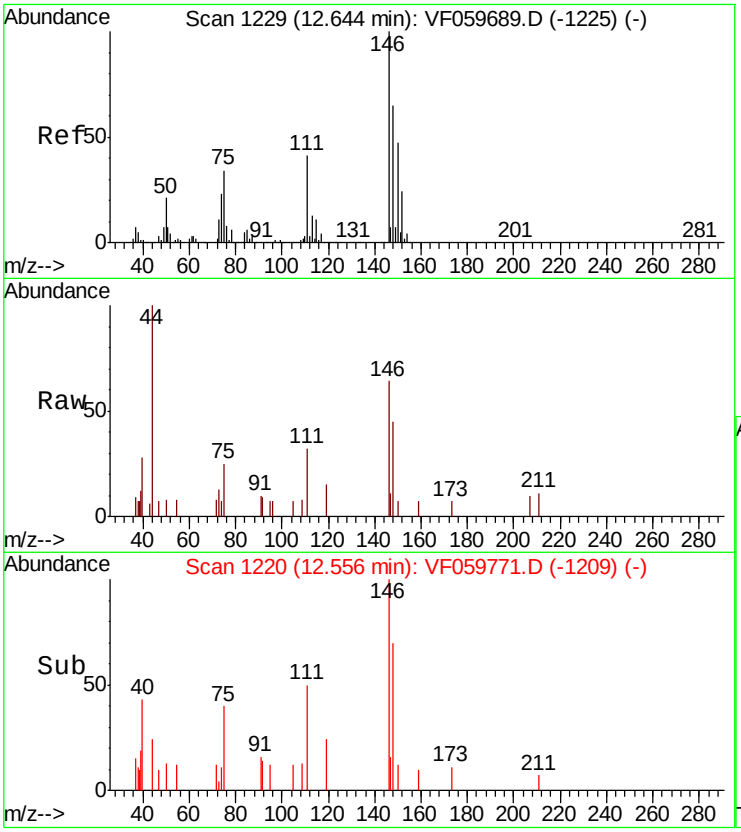




#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:146 Resp: 1532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.9 | 20.7 | 62.1 |
| 148 | 69.9 | 32.3 | 96.8 |



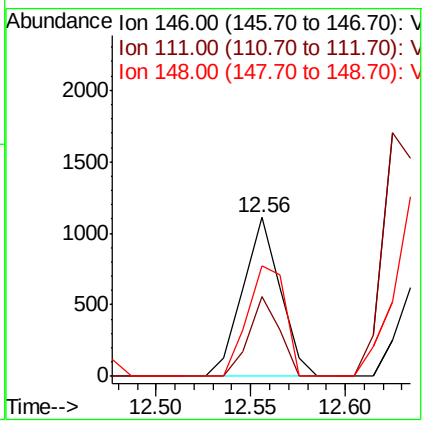


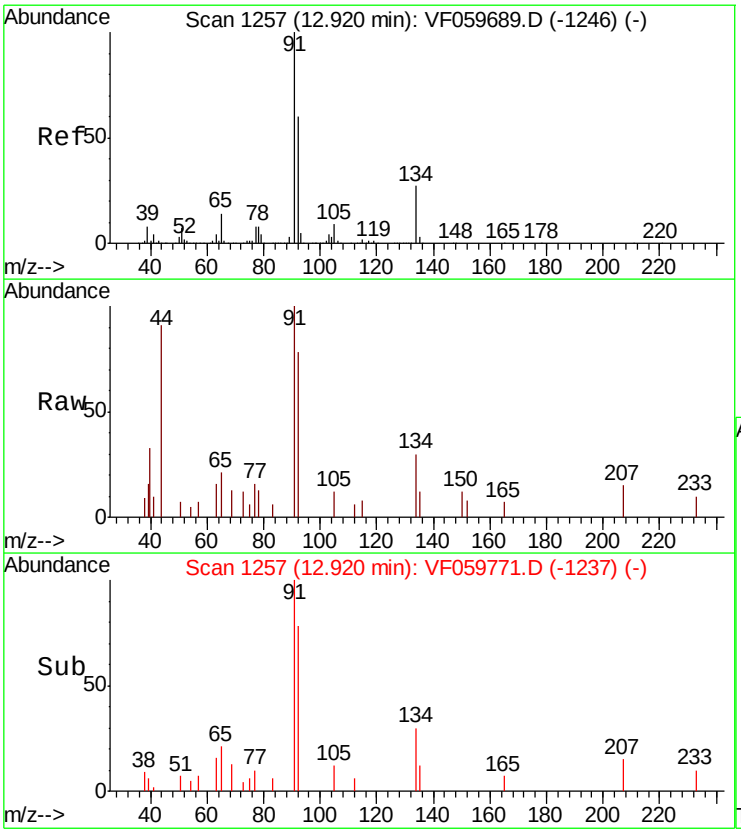

#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. -0.09 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :** MSVOA_F
**ClientSampleId :** FK-BPM-03-001-A

Tgt Ion:146 Resp: 1532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.9 | 20.8 | 62.2 |
| 148 | 69.9 | 32.3 | 96.9 |

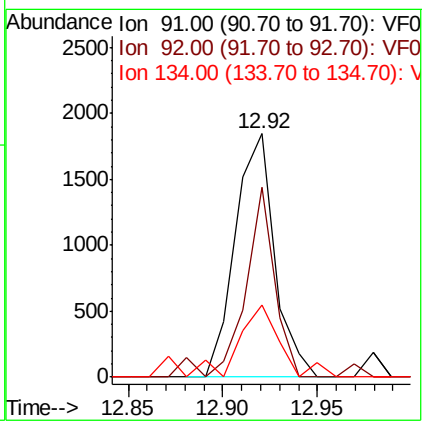


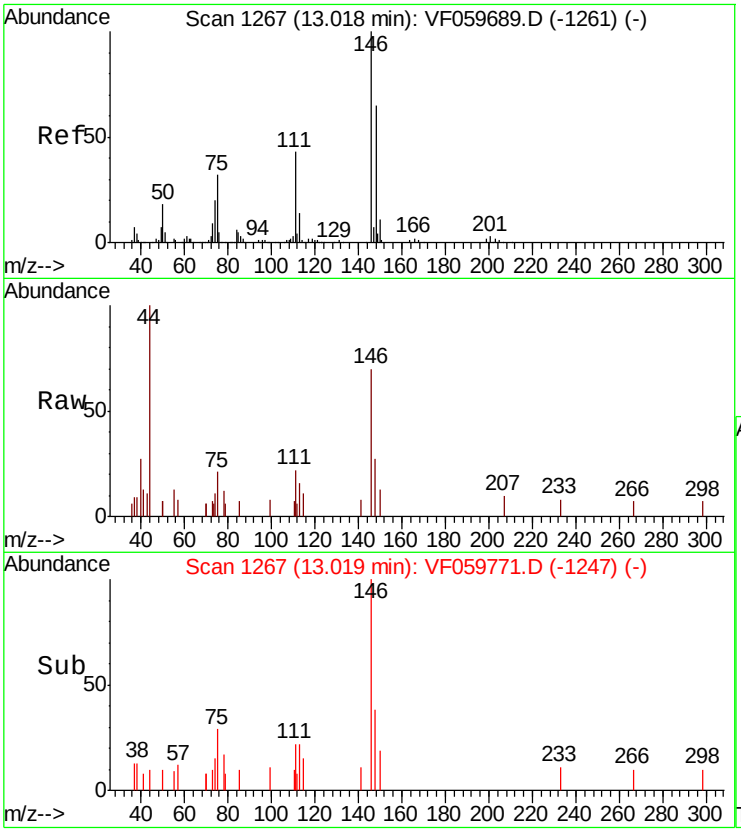




#89
n-Butylbenzene
Concen: Below Cal
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion: 91 Resp: 2648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 77.9 | 30.1 | 90.3 |
| 134 | 29.8 | 13.7 | 41.0 |



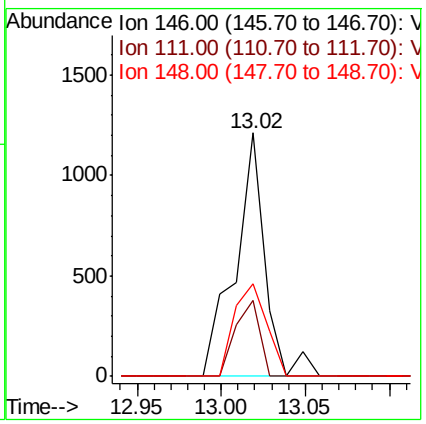


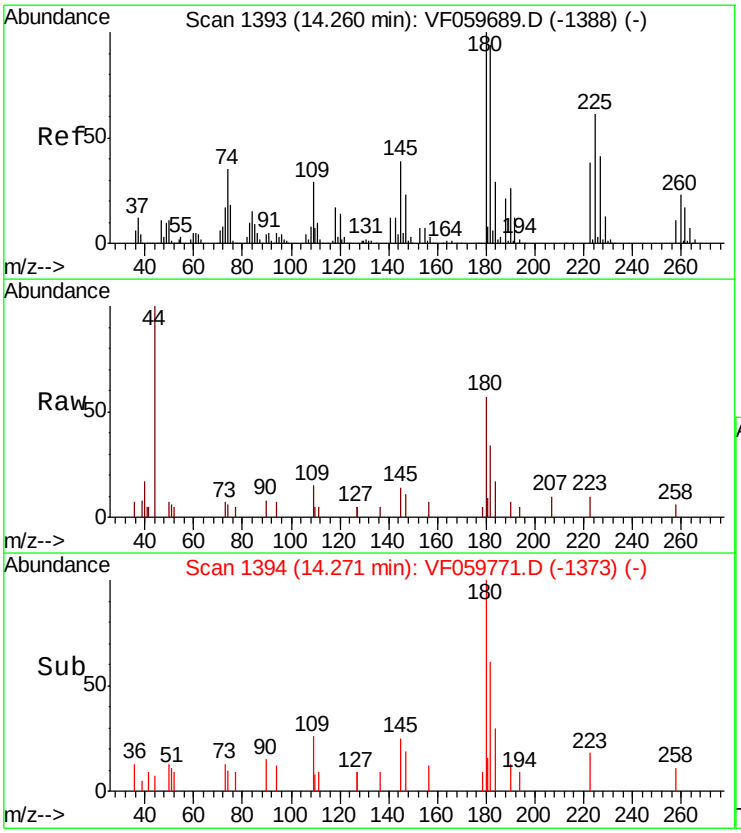

#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:146 Resp: 1502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 31.1 | 21.6 | 65.0 |
| 148 | 38.3 | 32.3 | 96.9 |

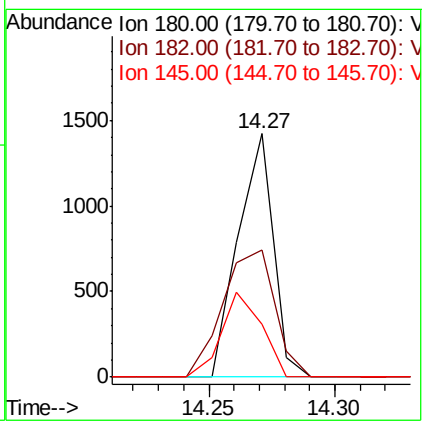


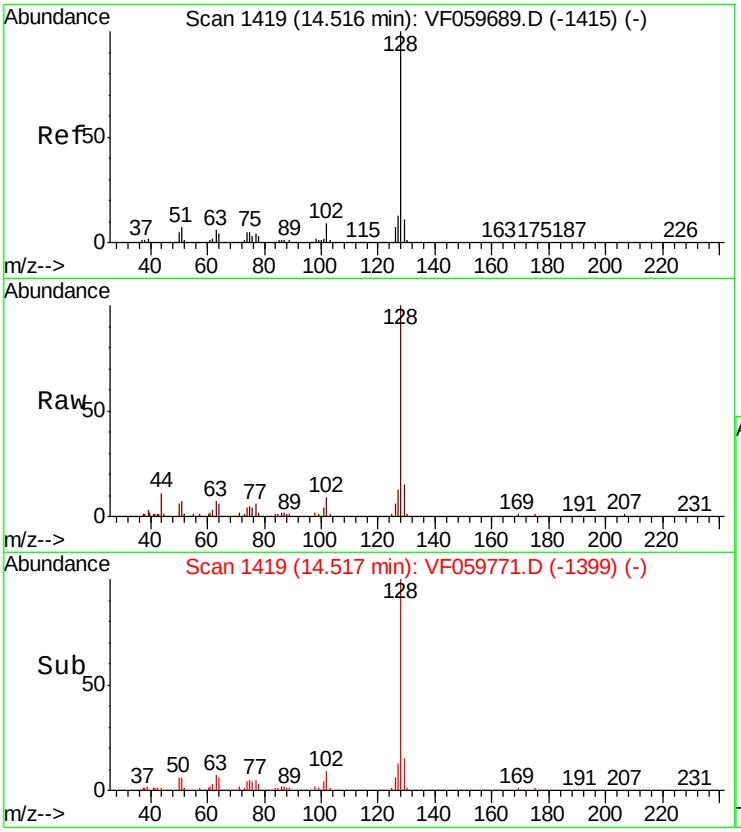




#93
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.27 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

Tgt Ion:180 Resp: 1376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 52.3 | 47.2 | 141.6 |
| 145 | 21.8 | 19.3 | 57.9 |






#95
Naphthalene
Concen: 4.119 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059771.D
Acq: 1 Aug 2018 22:29

**Instrument :**
MSVOA_F
**ClientSampleId :**
FK-BPM-03-001-A

Tgt Ion:128 Resp: 44484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.0 | 15.0 |
| 129 | 14.6 | 8.6 | 13.0# |