Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012919\
Data File : VX007281.D
Acq On : 29 Jan 2019 12:09
Operator : JC/SP
Sample : K1251-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 30 00:54:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.02 | 128 | 78389 | 30.00 | ug/l | | 0.00 |
| 28) 1,4-Difluorobenzene | 6.86 | 114 | 417766 | 30.00 | ug/l | | 0.00 |
| 57) Chlorobenzene-d5 | 10.11 | 117 | 361209 | 30.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.07 | 65 | 158951 | 30.89 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 102.97% | | | | |
| 60) 4-Bromofluorobenzene | 11.13 | 95 | 156891 | 28.14 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 93.80% | | | | |
| 63) Toluene-d8 | 8.71 | 98 | 491181 | 30.17 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 100.57% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 15) Acetone | 2.45 | 58 | 7770 | 10.597 | ug/l | | 93 |
| 18) Methylene Chloride | 2.85 | 84 | 2597 | 0.557 | ug/l | # | 78 |
| 23) tert-Butyl Alcohol | 3.08 | 59 | 314 | 0.290 | ug/l | # | 21 |
| 30) 2-Butanone | 4.70 | 43 | 1019 | 0.313 | ug/l | # | 49 |
| 45) 1,4-Dioxane | 7.78 | 88 | 172 | 1.497 | ug/l | # | 43 |
| 58) 4-Methyl-2-Pentanone | 8.64 | 43 | 13853 | 2.294 | ug/l | | 95 |

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

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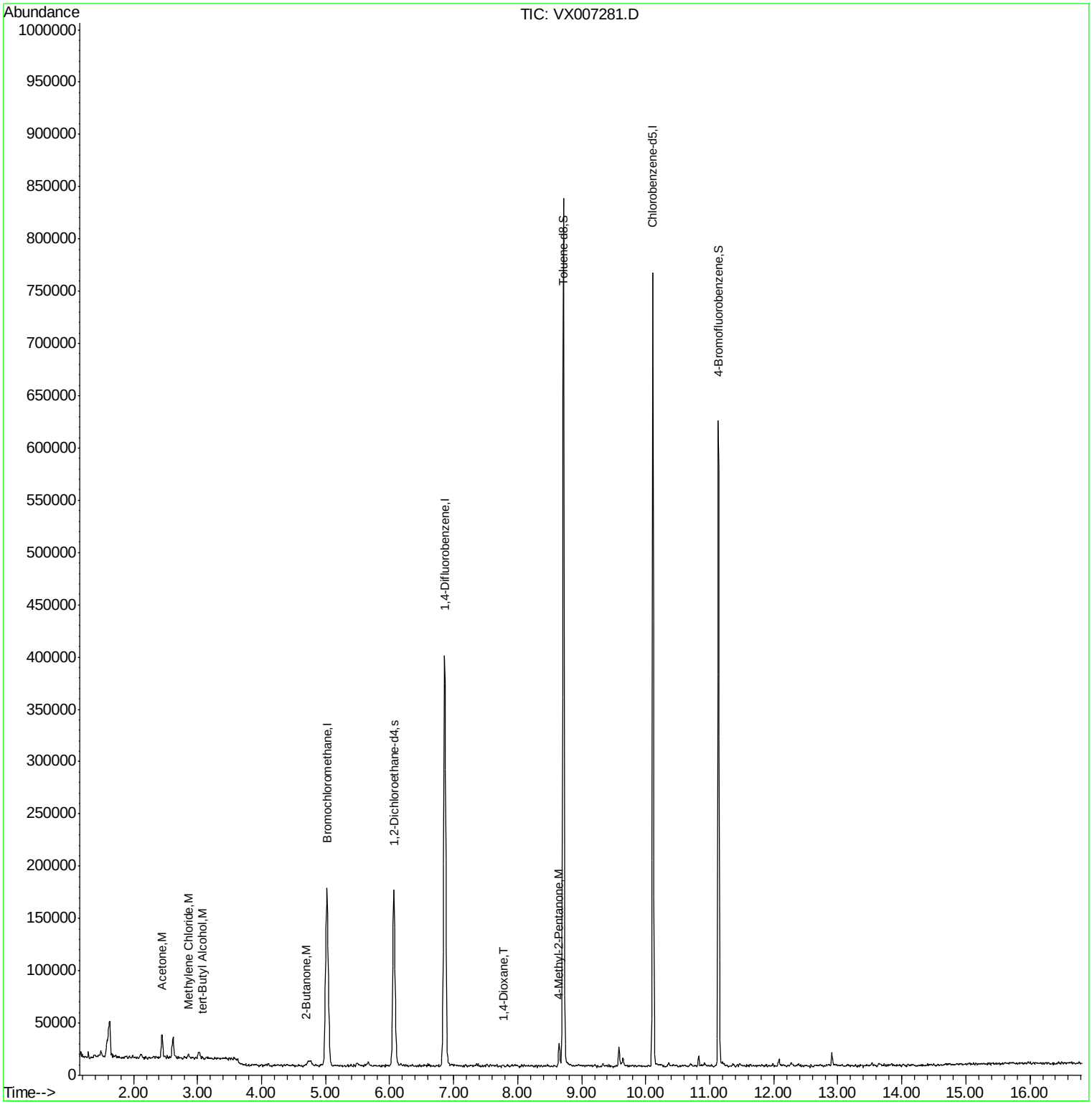
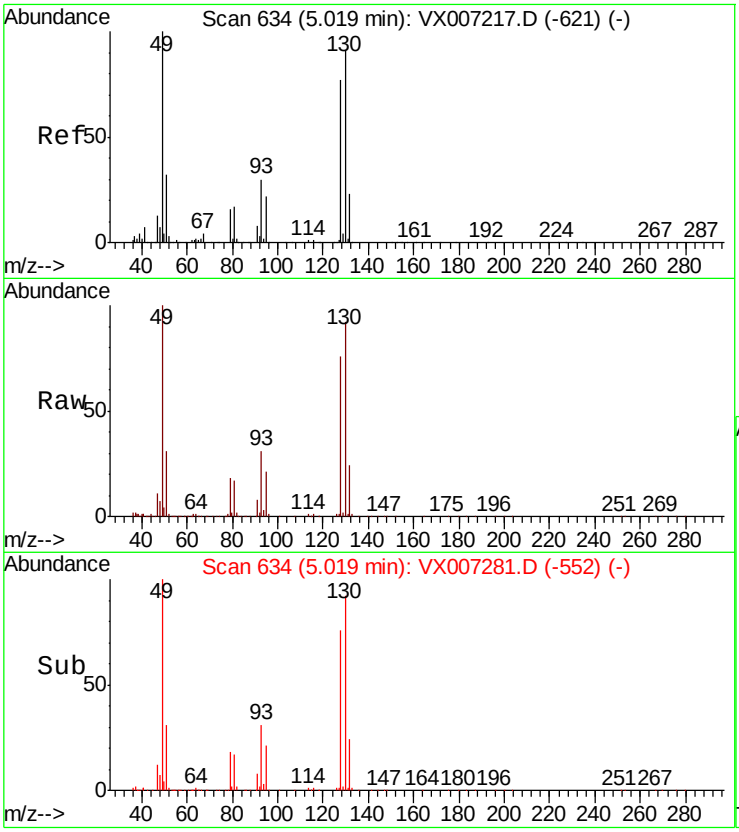
QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration

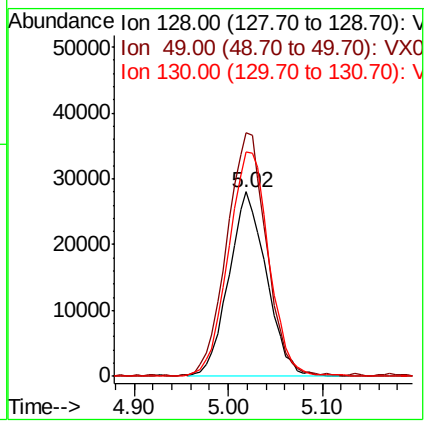


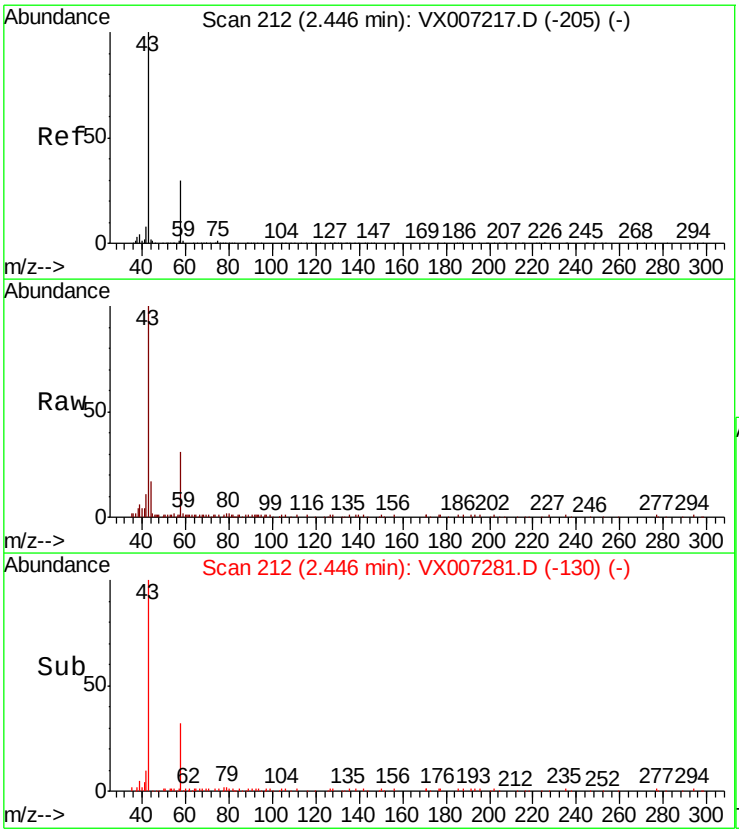



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion:128 Resp: 78389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 138.1 | 0.0 | 345.5 |
| 130 | 130.4 | 0.0 | 320.0 |

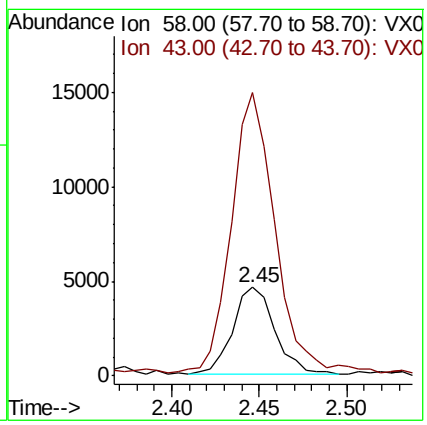


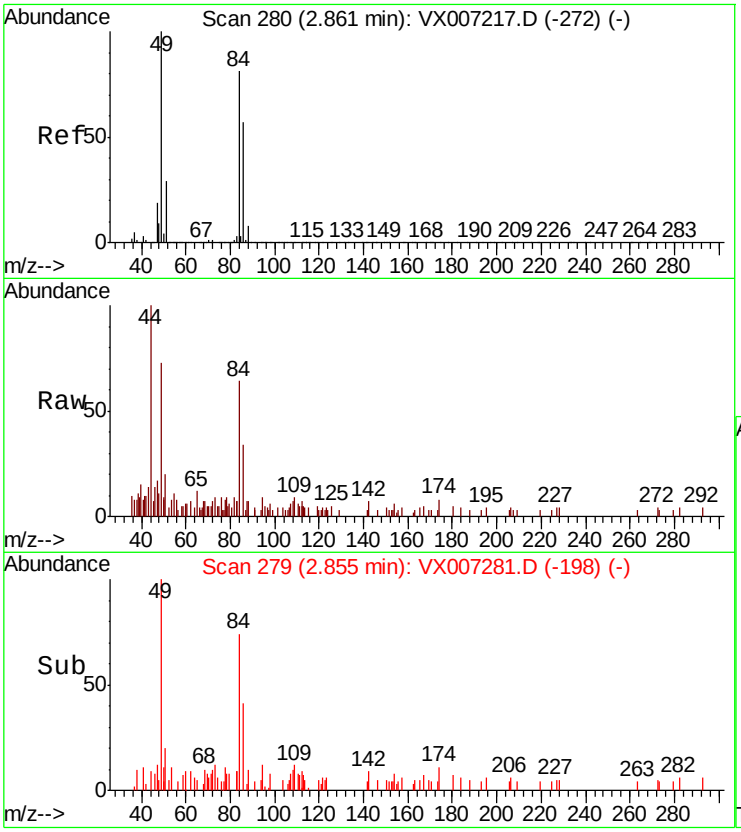




#15
Acetone
Concen: 10.597 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 58 Resp: 7770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 317.2 | 265.9 | 398.9 |

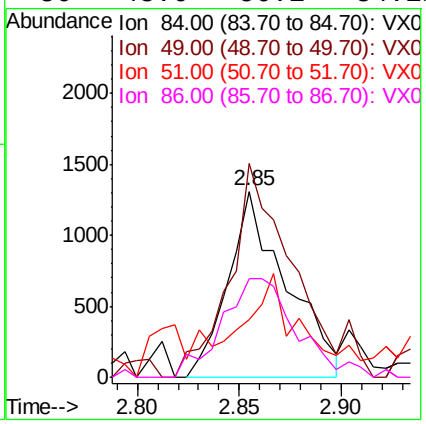


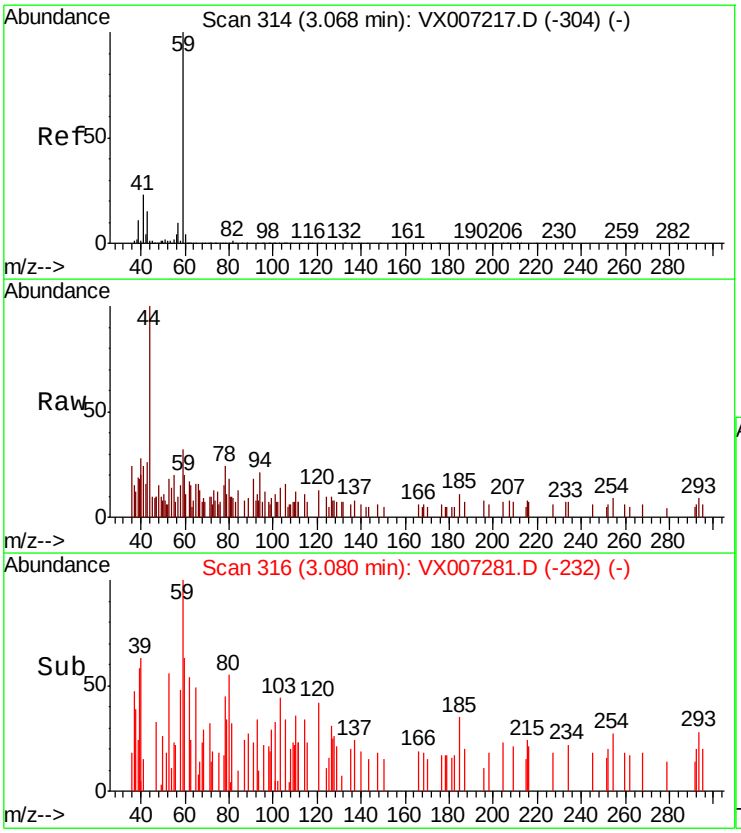



#18
Methylene Chloride
Concen: 0.557 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 84 Resp: 2597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 102.0 | 98.4 | 147.6 |
| 51 | 21.5 | 28.9 | 43.3# |
| 86 | 48.6 | 56.1 | 84.1# |

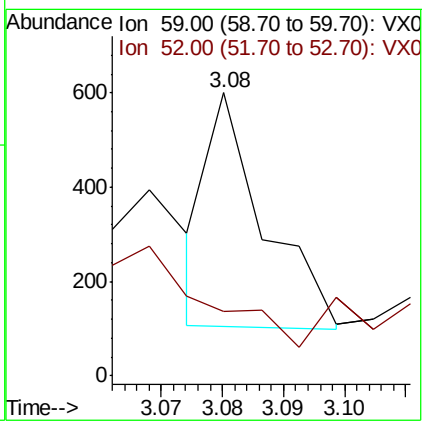


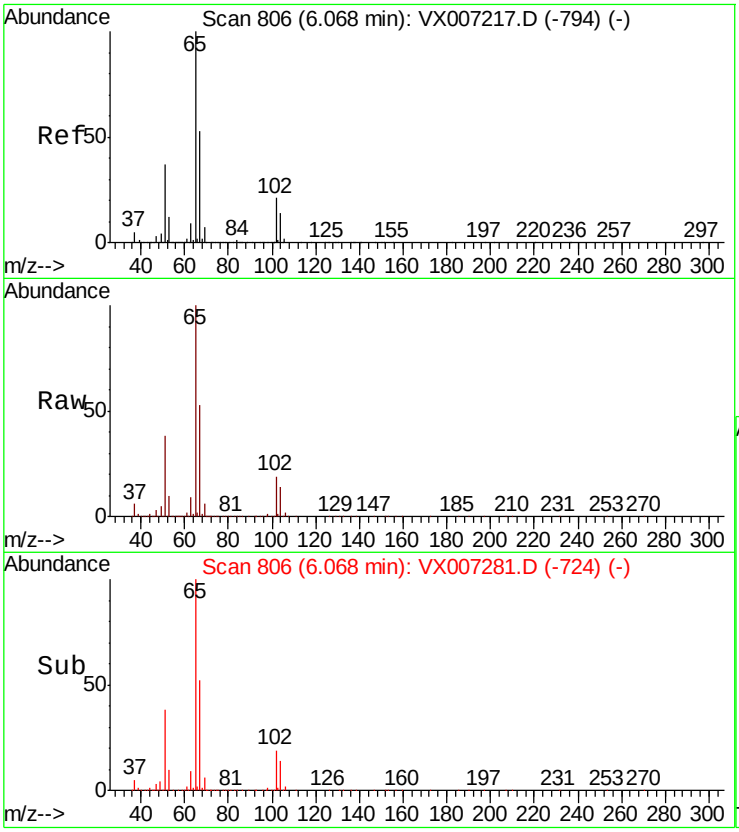




#23
tert-Butyl Alcohol
Concen: 0.290 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 59 Resp: 314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 101.0 | 0.2 | 0.2# |

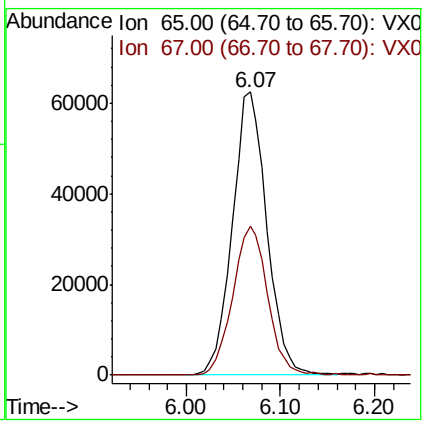


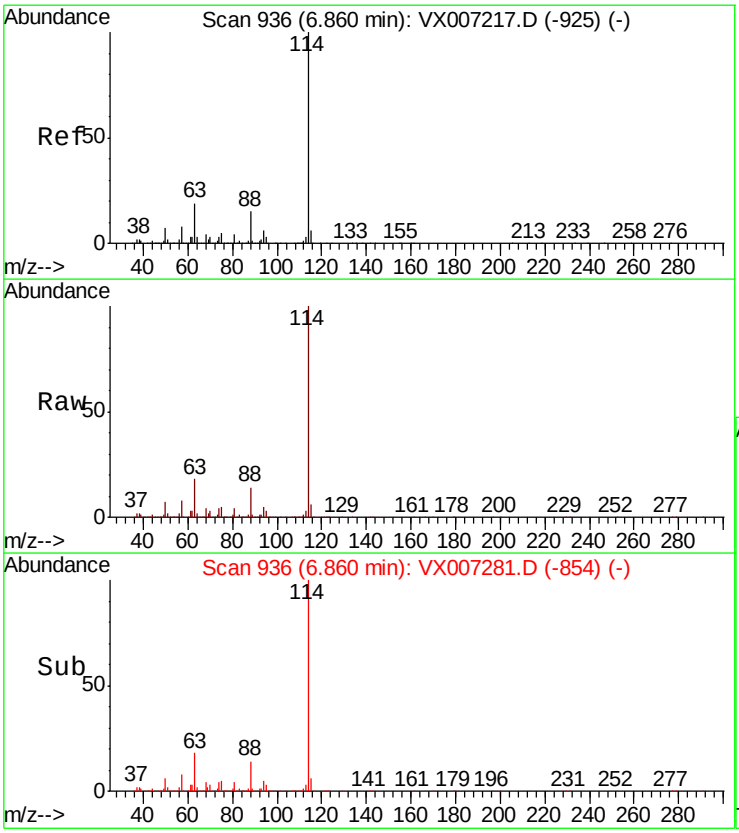



#27
1,2-Dichloroethane-d4
Concen: 30.890 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 65 Resp: 158951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 42.0 | 63.0 |

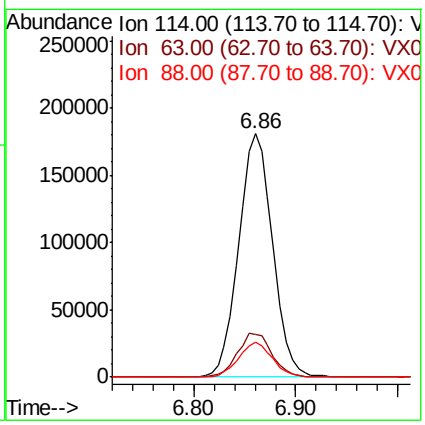


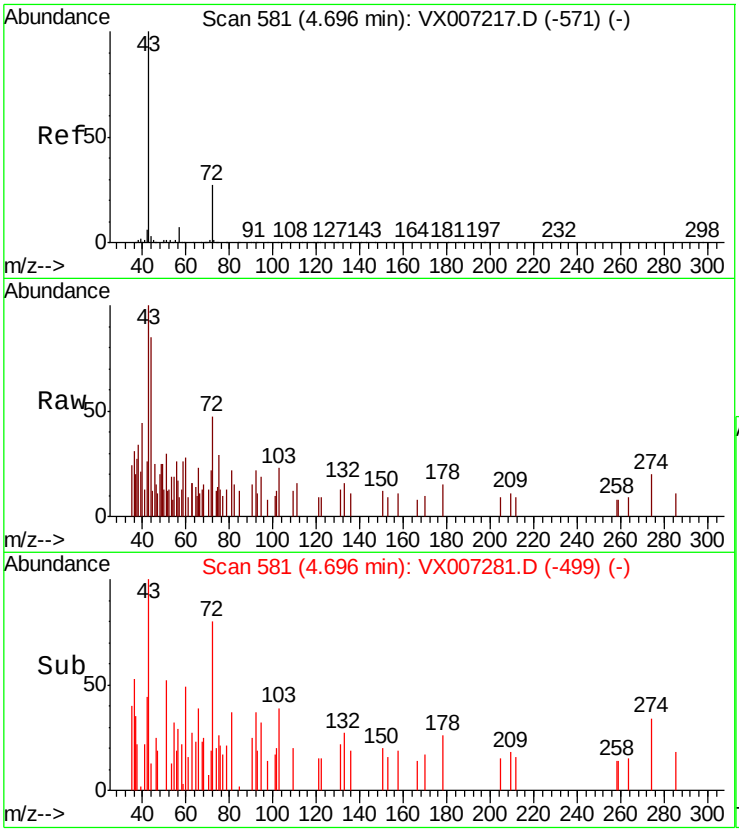




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion:114 Resp: 417766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.3 | 14.6 | 21.8 |
| 88 | 14.3 | 11.8 | 17.6 |

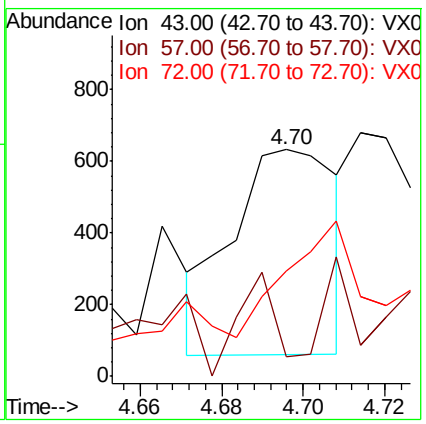


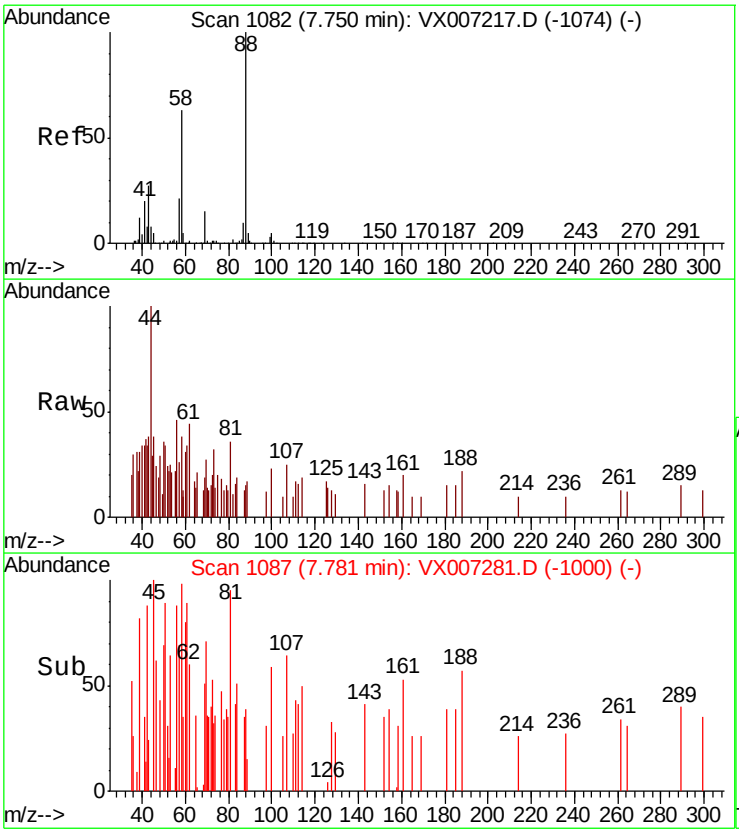



#30
2-Butanone
Concen: 0.313 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 43 Resp: 1019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 18.4 | 3.3 | 4.9# |
| 72 | 0.0 | 22.0 | 33.0# |

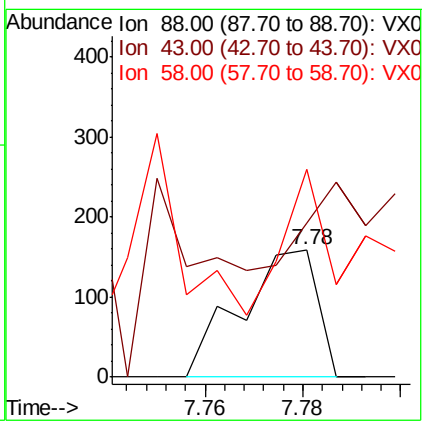


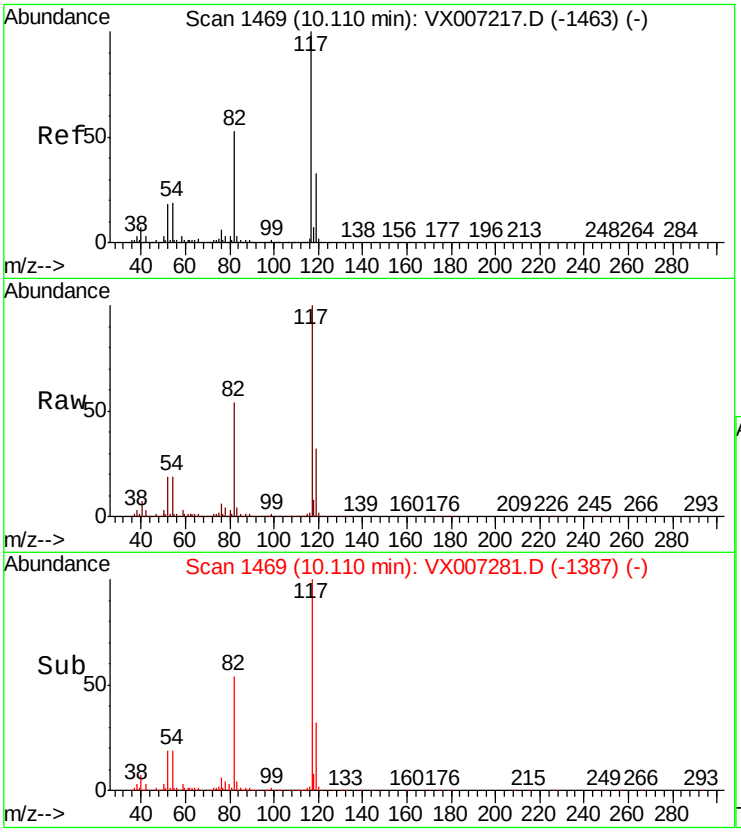




#45
1,4-Dioxane
Concen: 1.497 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 88 Resp: 172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 23.5 | 35.3# |
| 58 | 109.9 | 51.6 | 77.4# |

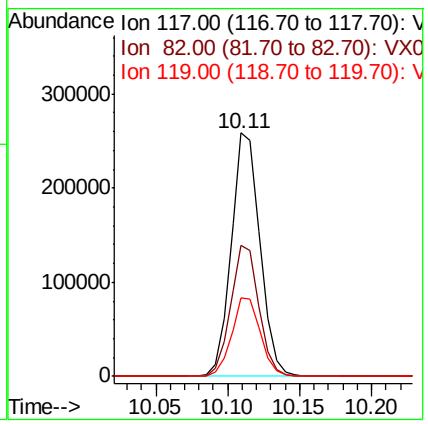


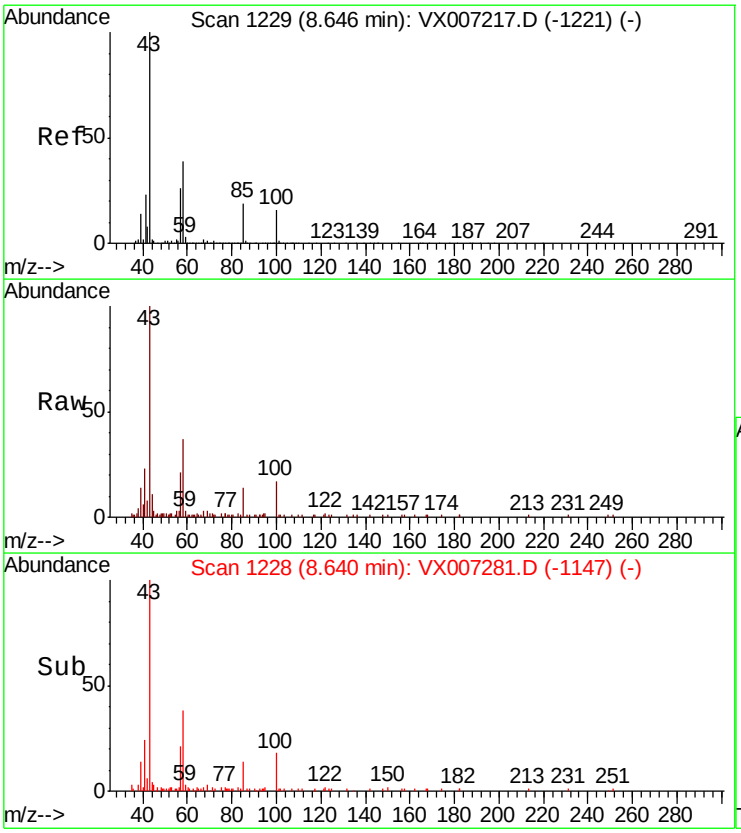



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion:117 Resp: 361209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.9 | 41.4 | 62.0 |
| 119 | 32.4 | 25.7 | 38.5 |

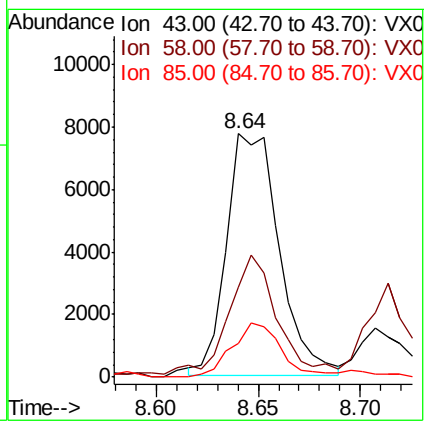


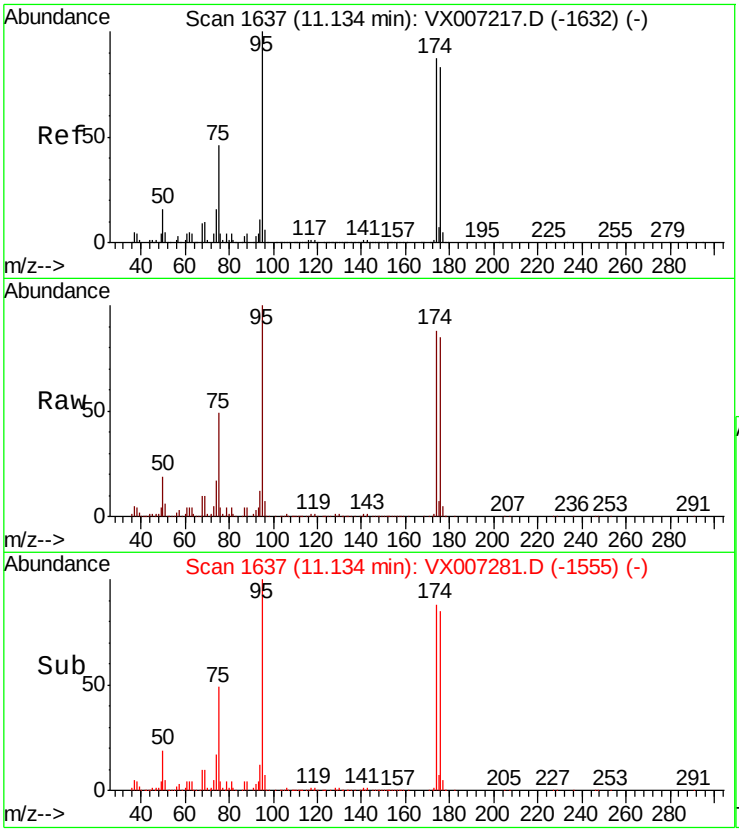




#58
4-Methyl-2-Pentanone
Concen: 2.294 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 43 Resp: 13853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.8 | 31.6 | 47.4 |
| 85 | 20.8 | 14.9 | 22.3 |

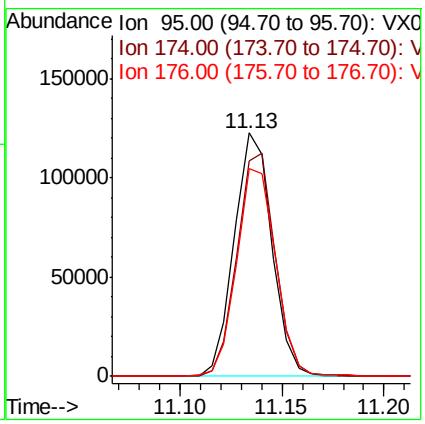


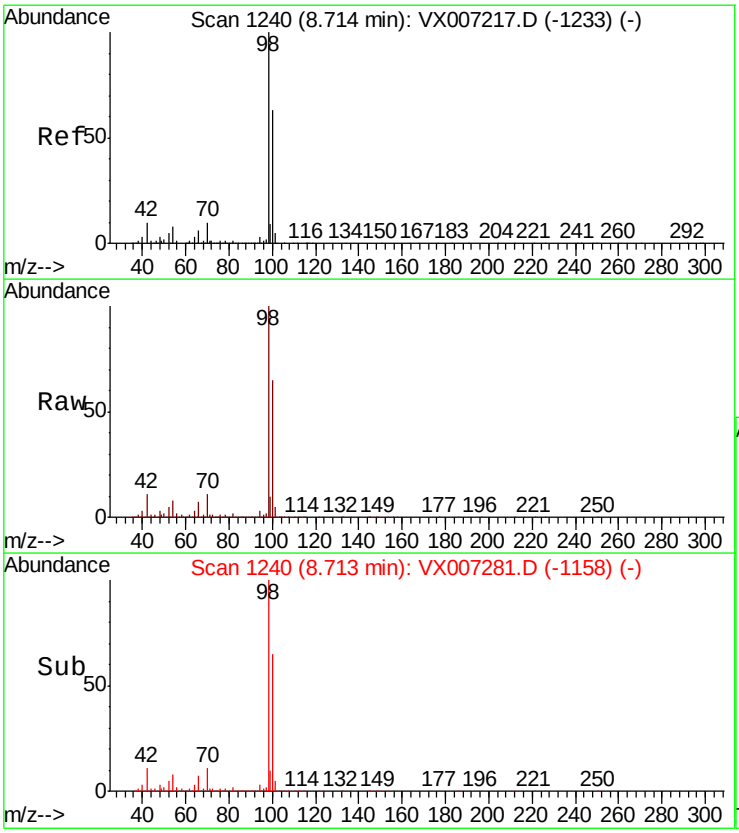



#60
4-Bromofluorobenzene
Concen: 28.142 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 95 Resp: 156891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.1 | 74.8 | 112.2 |
| 176 | 88.9 | 72.5 | 108.7 |




#63
Toluene-d8
Concen: 30.168 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007281.D
Acq: 29 Jan 2019 12:09

Tgt Ion: 98 Resp: 491181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 49.9 | 74.9 |