Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
Data File : VX012285.D
Acq On : 11 Sep 2019 05:56
Operator : SY/SP
Sample : K4680-16
Misc : 5.40g/5.0mL/MSVOA_X/SOIL
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T3-3-(0)

Quant Time: Sep 11 07:37:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

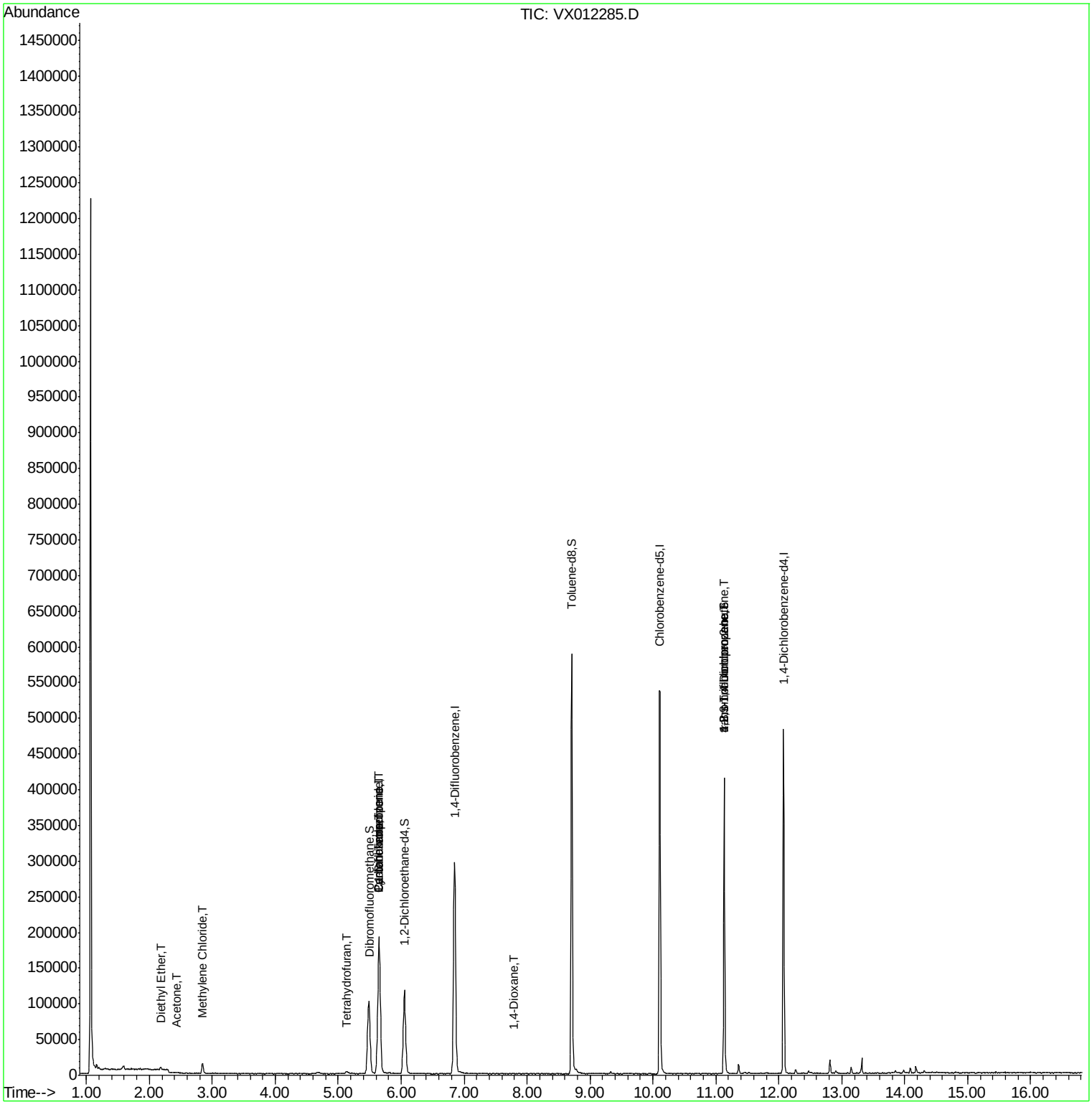
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 159047 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 281736 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 239666 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 88556 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 112116 | 49.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.72% | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 84921 | 47.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.04% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 335487 | 52.96 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.92% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 118622 | 40.39 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.78% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 294 | Below Cal | | 89 |
| 8) Diethyl Ether | 2.18 | 74 | 1084 | 1.510 | ug/l | 94 |
| 11) Tert butyl alcohol | 3.03 | 59 | 1267 | Below Cal | # | 90 |
| 16) Acetone | 2.44 | 43 | 1990 | 3.738 | ug/l # | 72 |
| 20) Methylene Chloride | 2.84 | 84 | 6154 | 1.130 | ug/l | 93 |
| 29) Tetrahydrofuran | 5.14 | 42 | 3387 | 9.225 | ug/l | 95 |
| 31) Cyclohexane | 5.64 | 56 | 4287 | 2.053 | ug/l # | 26 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 14923 | 7.264 | ug/l # | 52 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 18823 | 7.810 | ug/l # | 14 |
| 49) 1,4-Dioxane | 7.79 | 88 | 22 | 1.272 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 62598 | 55.025 | ug/l # | 38 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 62598 | 164.867 | ug/l # | 5 |

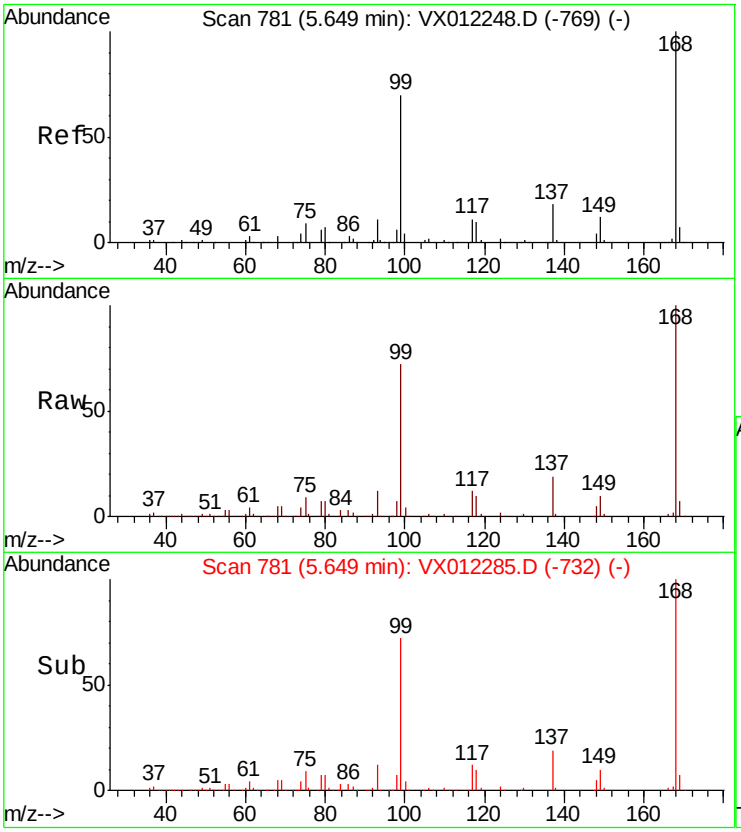
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
Data File : VX012285.D
Acq On : 11 Sep 2019 05:56
Operator : SY/SP
Sample : K4680-16
Misc : 5.40g/5.0mL/MSVOA_X/SOIL
ALS Vial : 45 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Quant Time: Sep 11 07:37:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration



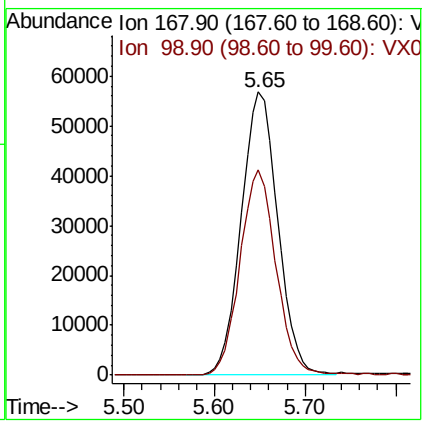


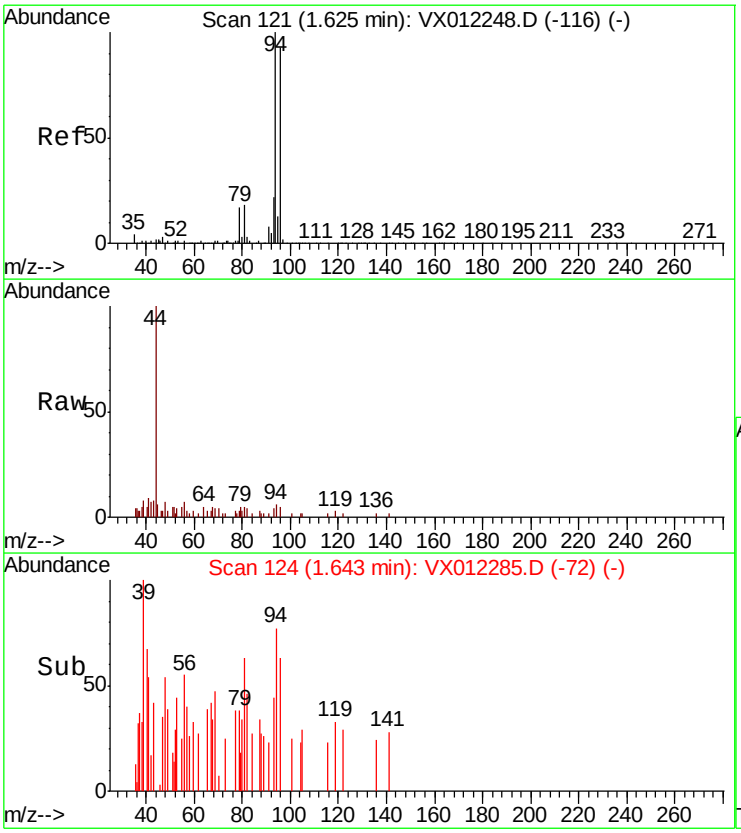

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion:168 Resp: 159047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 72.4 | 55.8 | 83.6 |

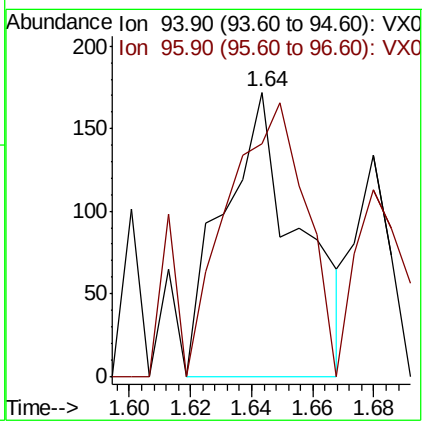


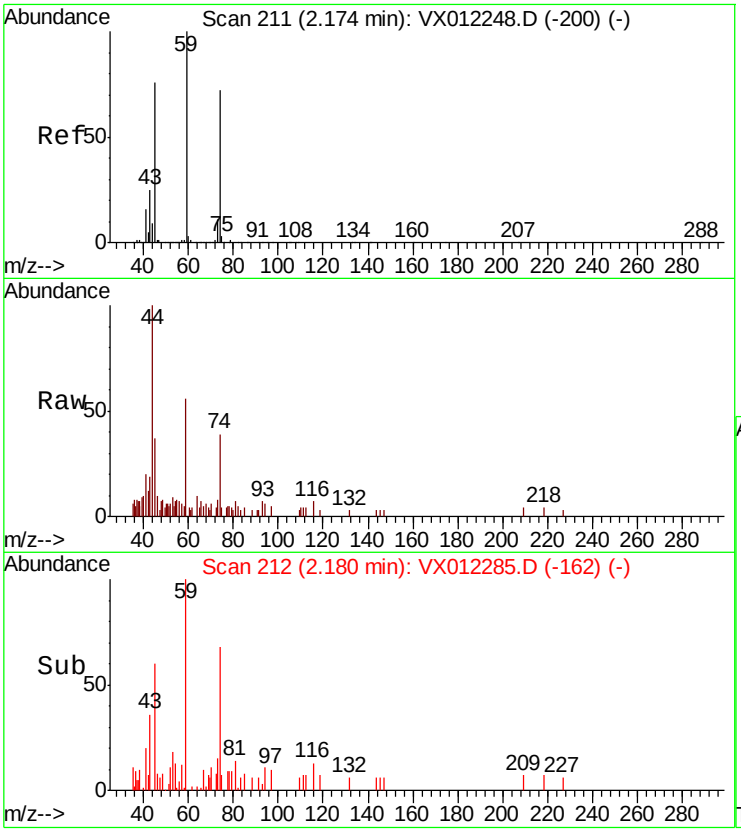




#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 124
Delta R.T. 0.02 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 94 Resp: 294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 82.0 | 74.0 | 111.0 |



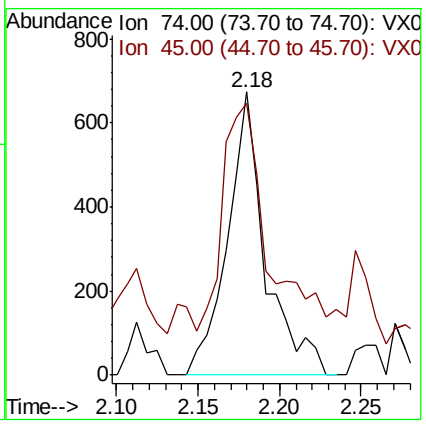


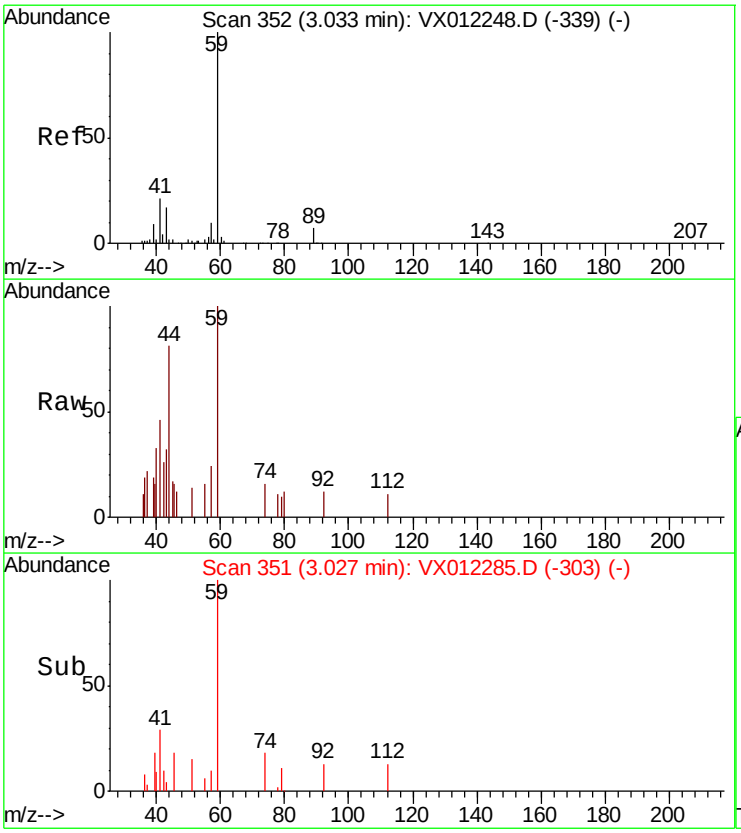

#8
Diethyl Ether
Concen: 1.510 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion: 74 Resp: 1084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.5 | 51.3 | 153.9 |

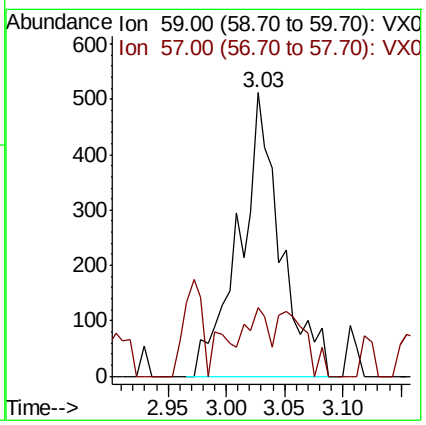


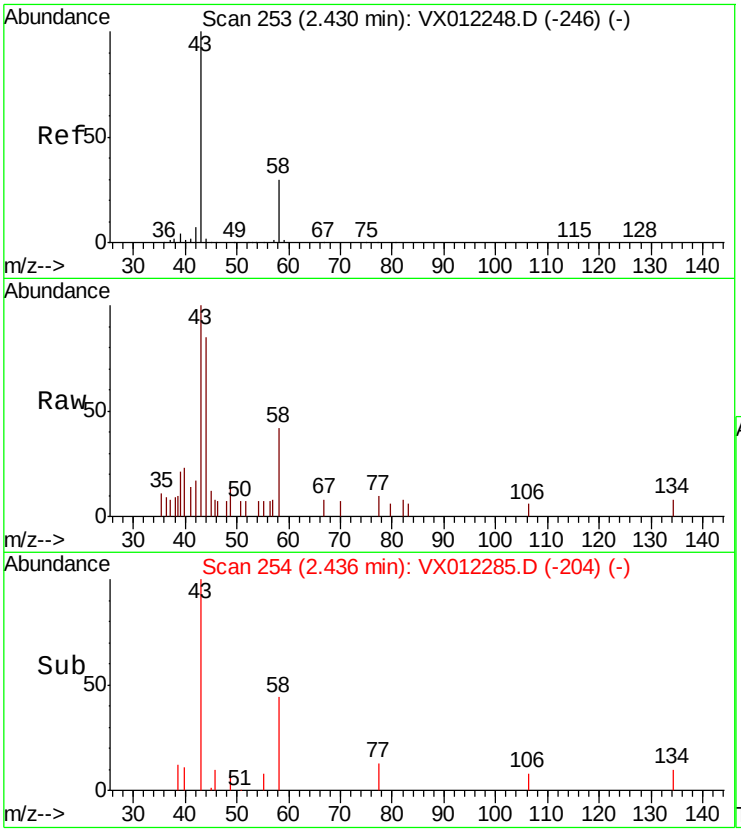




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 59 Resp: 1267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 13.3 | 7.8 | 11.6# |



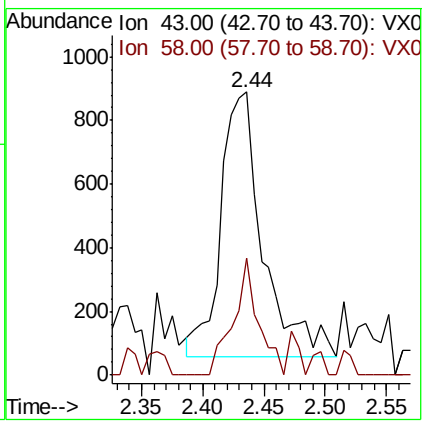


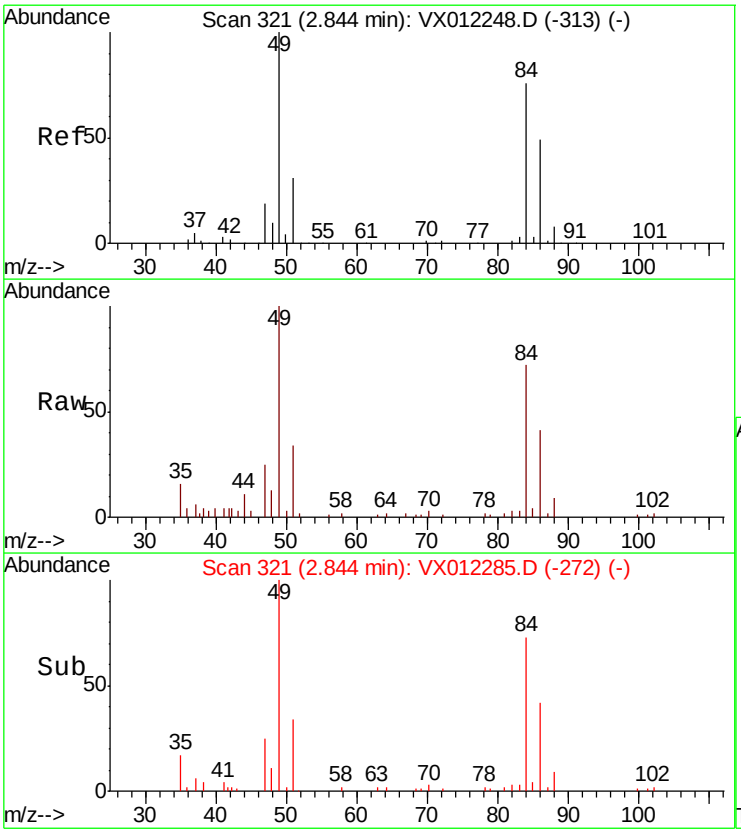

#16
Acetone
Concen: 3.738 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :** MSVOA_X
**ClientSampleId :** T3-3-(0)

Tgt Ion: 43 Resp: 1990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.3 | 23.6 | 35.4# |

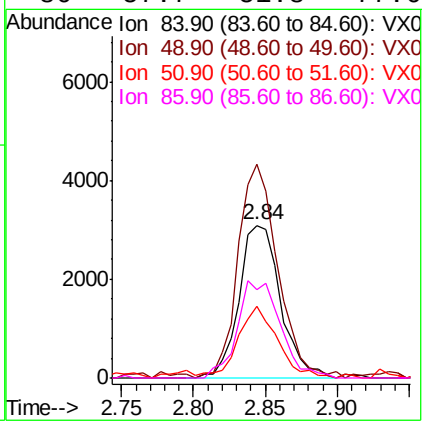


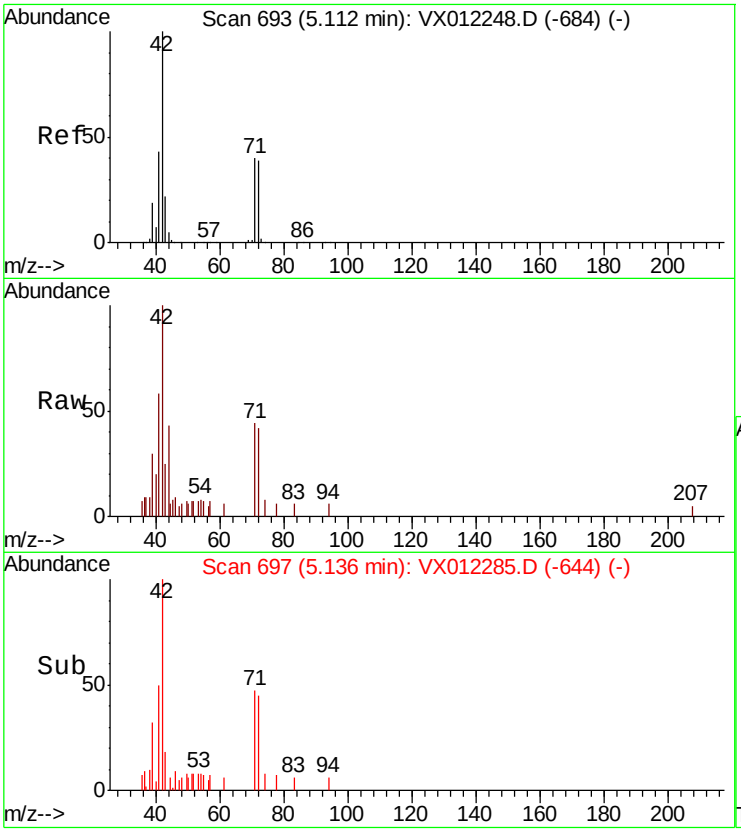




#20
Methylene Chloride
Concen: 1.130 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 84 Resp: 6154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.5 | 105.0 | 157.6 |
| 51 | 47.0 | 32.6 | 48.8 |
| 86 | 57.7 | 51.8 | 77.6 |



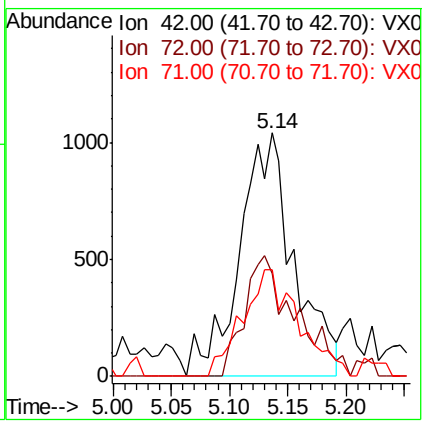


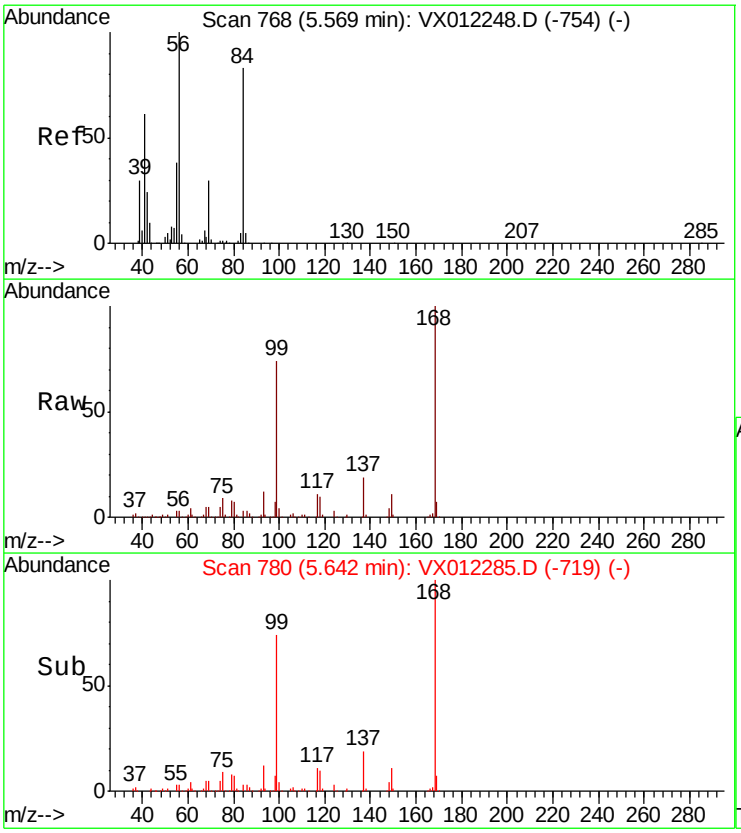

#29
Tetrahydrofuran
Concen: 9.225 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion: 42 Resp: 3387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.4 | 35.2 | 52.8 |
| 71 | 45.0 | 32.5 | 48.7 |

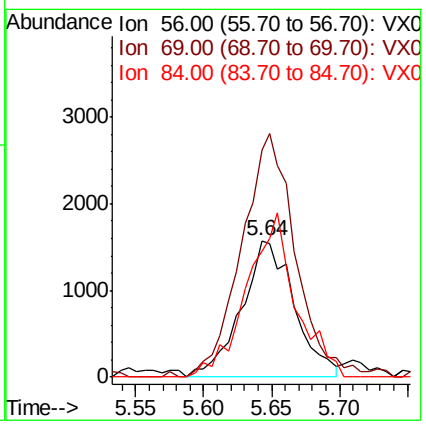


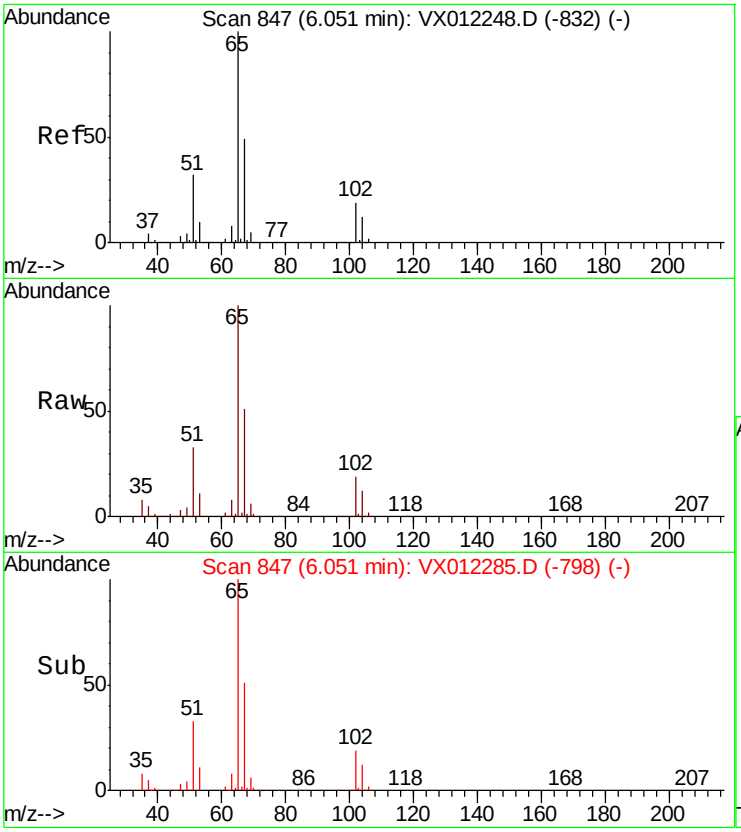




#31
Cyclohexane
Concen: 2.053 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 56 Resp: 4287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 167.1 | 23.8 | 35.6# |
| 84 | 92.5 | 66.6 | 100.0 |



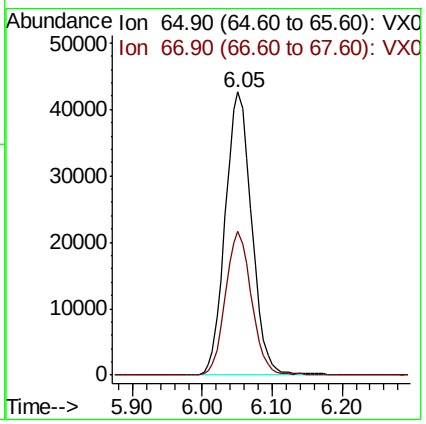


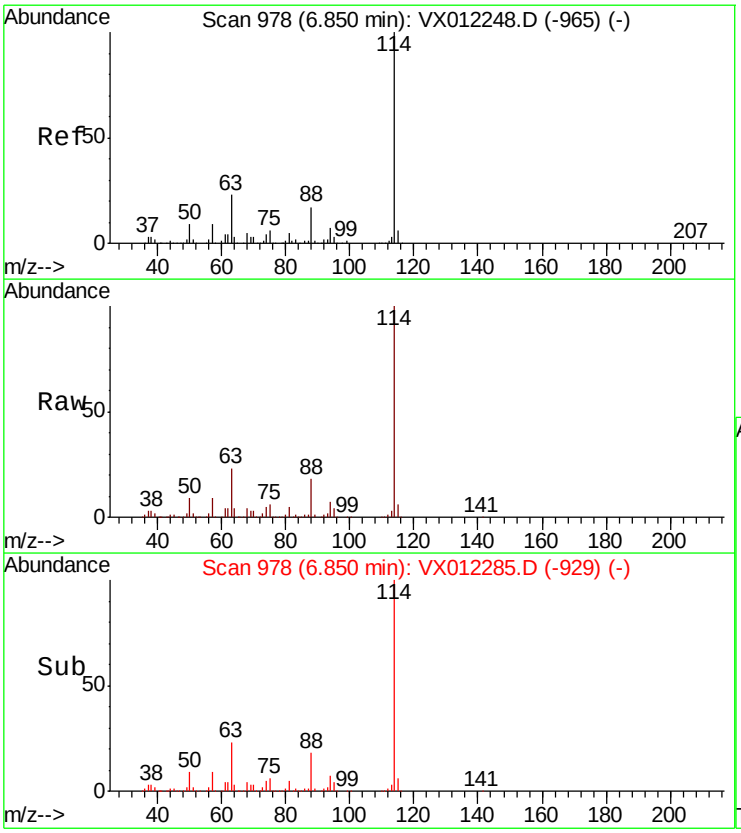

#33
1,2-Dichloroethane-d4
Concen: 49.860 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion: 65 Resp: 112116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.9 | 0.0 | 99.8 |

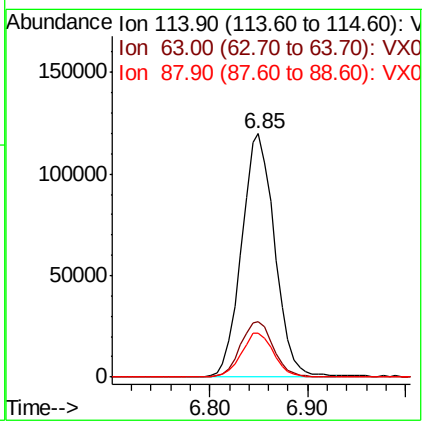


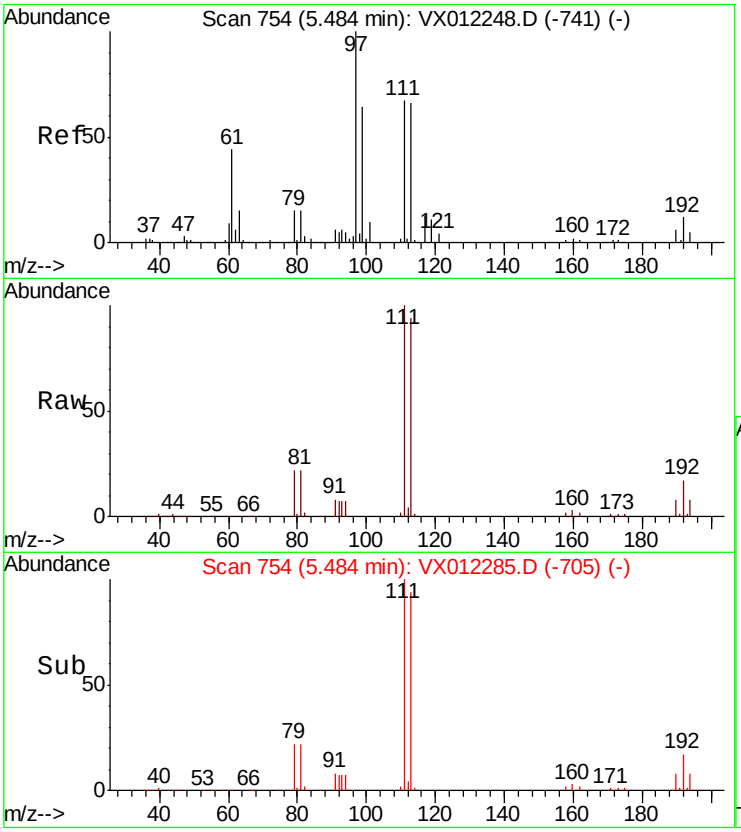




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion:114 Resp: 281736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.7 | 0.0 | 45.2 |
| 88 | 18.1 | 0.0 | 34.8 |



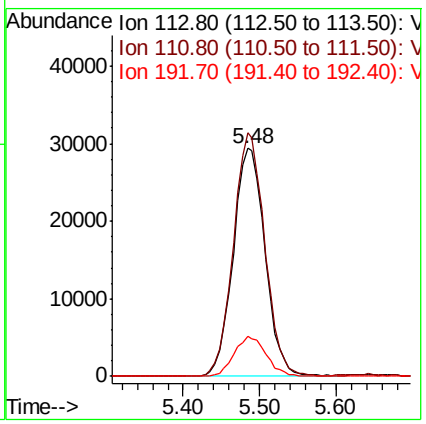


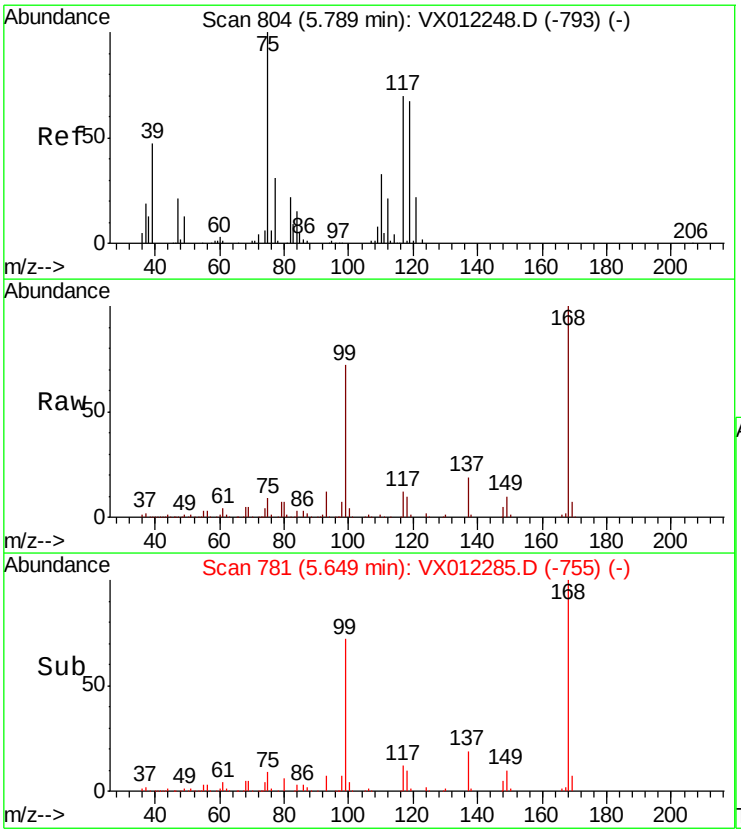

#35
Dibromofluoromethane
Concen: 47.020 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion:113 Resp: 84921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.1 | 83.0 | 124.6 |
| 192 | 17.6 | 14.3 | 21.5 |

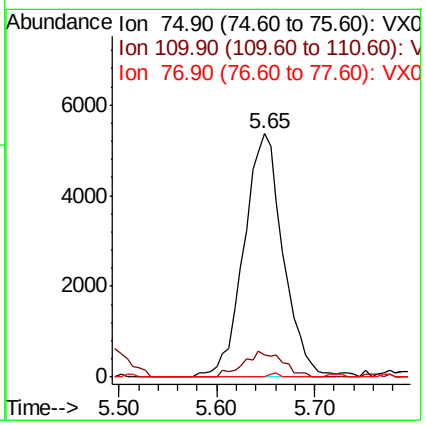


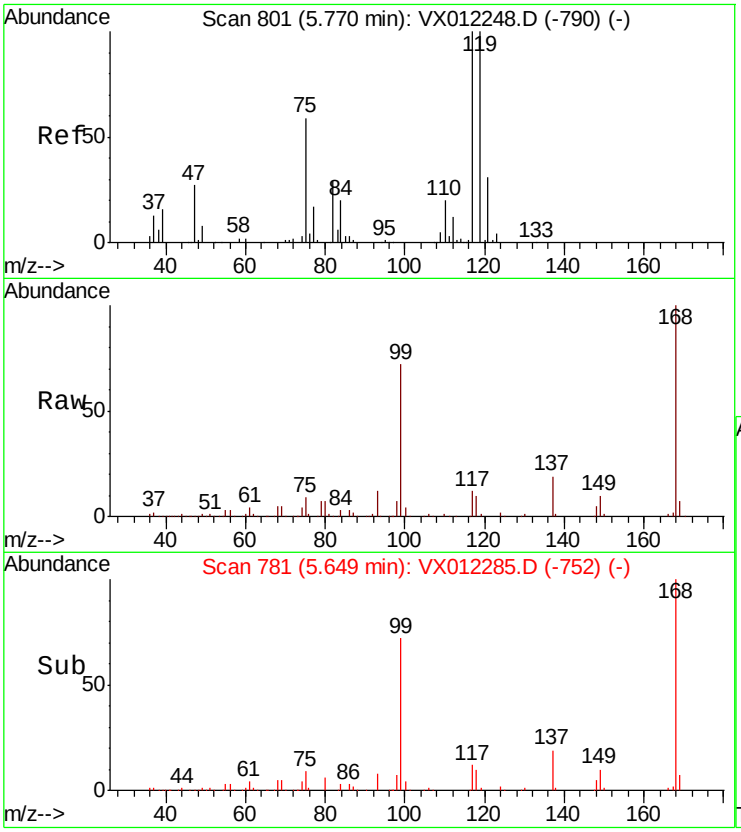




#36
1,1-Dichloropropene
Concen: 7.264 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 75 Resp: 14923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.7 | 16.8 | 50.4# |
| 77 | 0.0 | 24.5 | 36.7# |



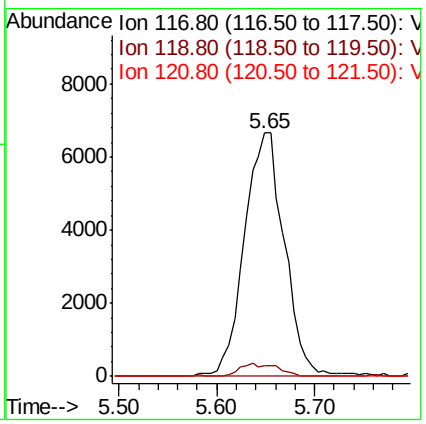


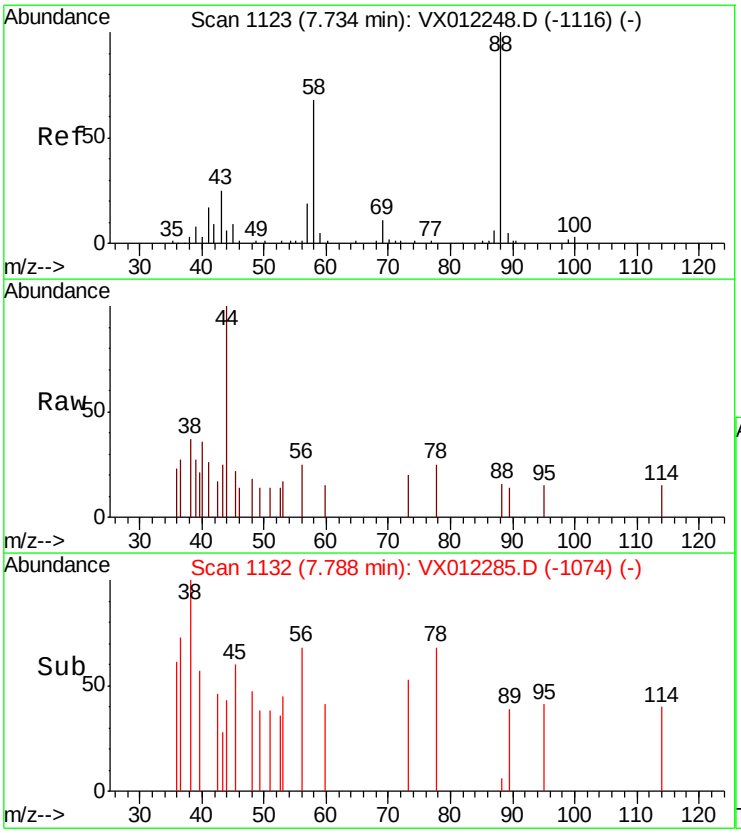

#38
Carbon Tetrachloride
Concen: 7.810 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion:117 Resp: 18823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.4 | 79.6 | 119.4# |
| 121 | 0.0 | 24.7 | 37.1# |

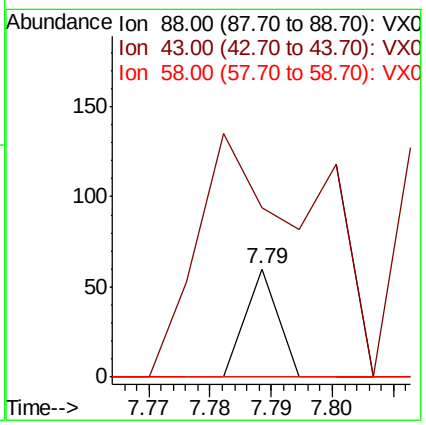


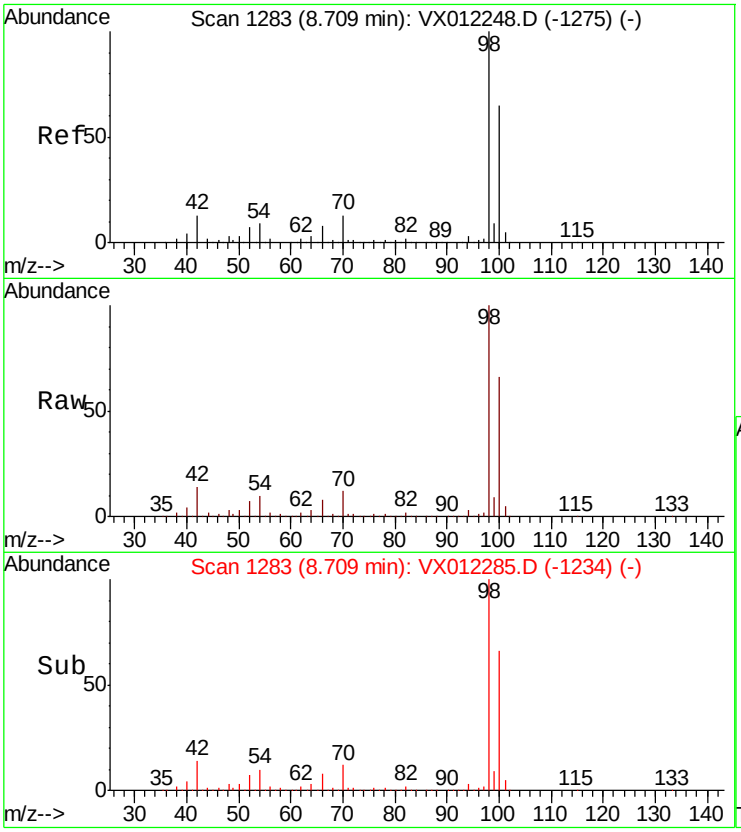




#49
1,4-Dioxane
Concen: 1.272 ug/l
RT: 7.79 min Scan# 1132
Delta R.T. 0.05 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 88 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 800.0 | 31.0 | 46.4# |
| 58 | 0.0 | 61.5 | 92.3# |



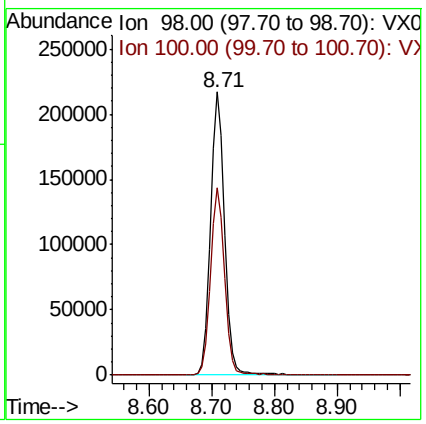


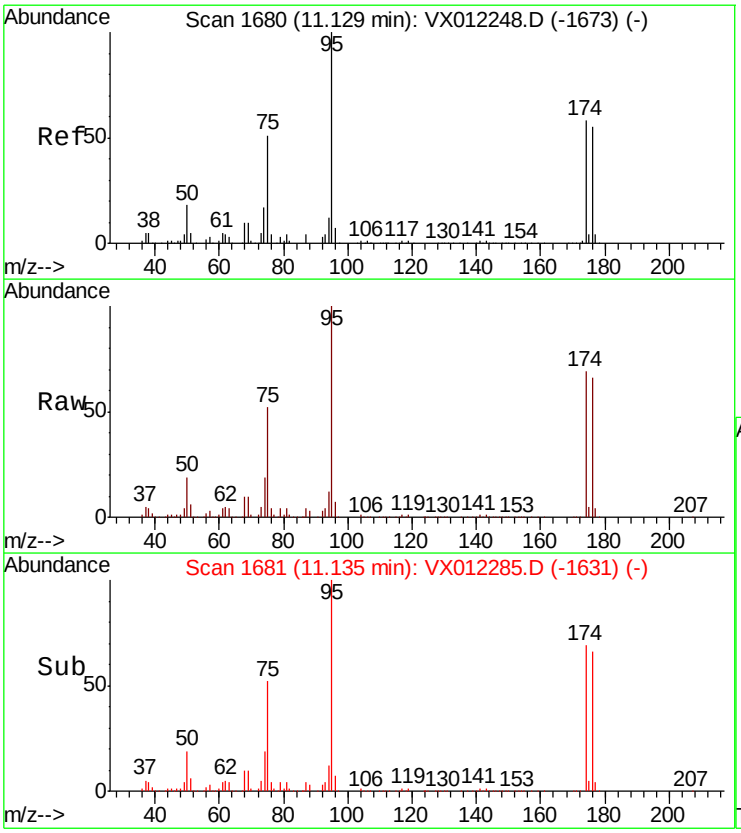

#50
Toluene-d8
Concen: 52.962 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :** MSVOA_X
**ClientSampleId :** T3-3-(0)

Tgt Ion: 98 Resp: 335487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 54.1 | 81.1 |

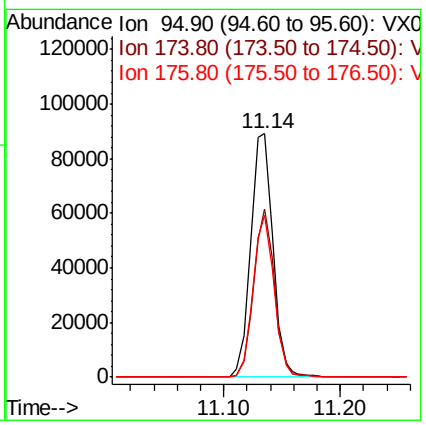


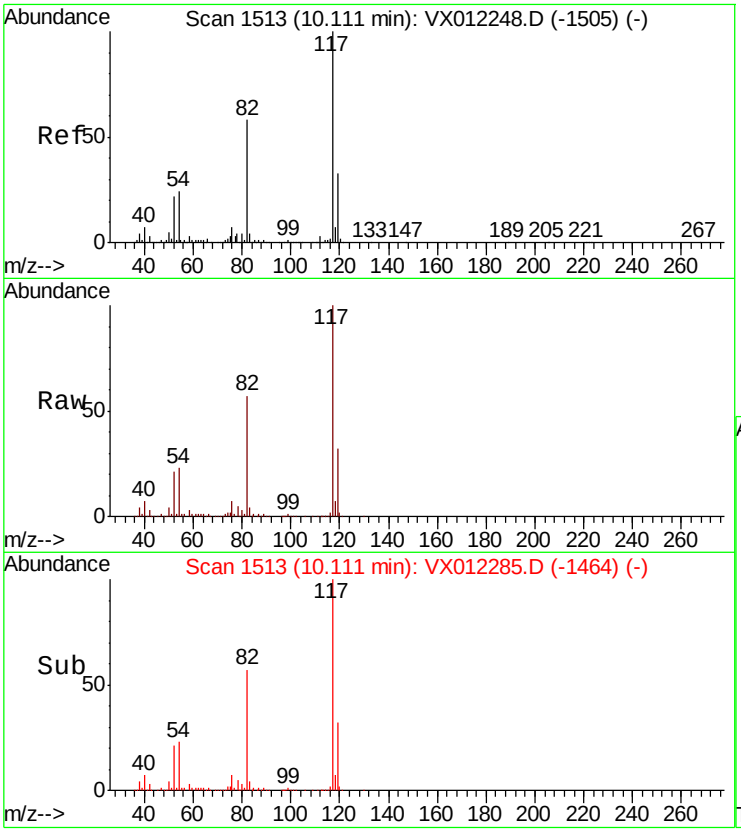




#62
4-Bromofluorobenzene
Concen: 40.393 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 95 Resp: 118622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.8 | 0.0 | 127.0 |
| 176 | 63.1 | 0.0 | 125.8 |



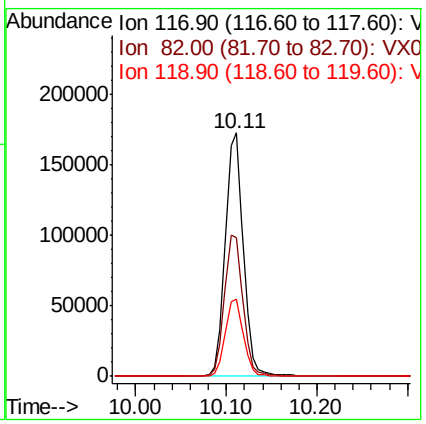


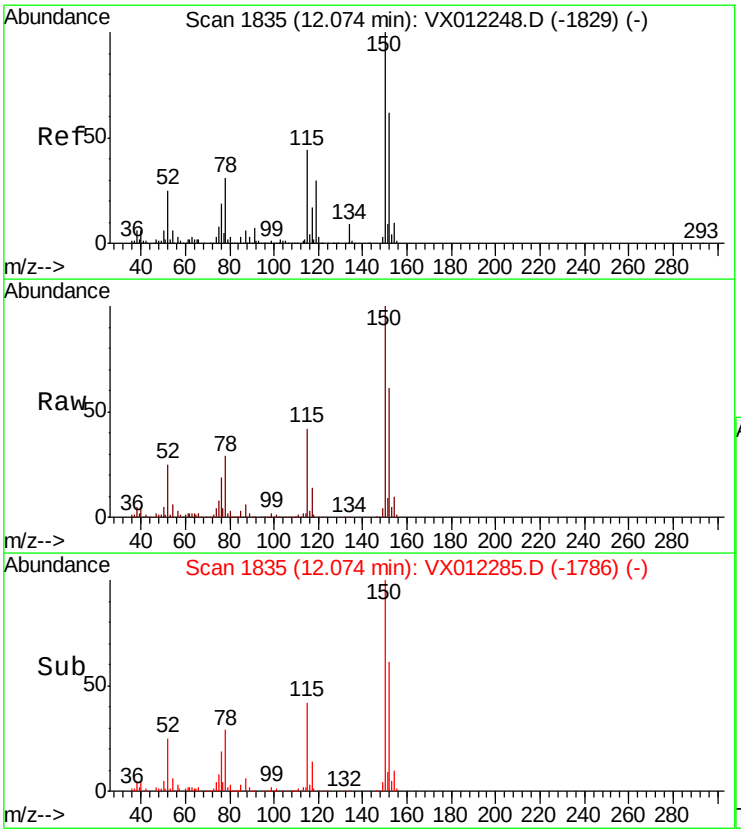

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :** MSVOA_X
**ClientSampleId :** T3-3-(0)

Tgt Ion:117 Resp: 239666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.9 | 46.4 | 69.6 |
| 119 | 31.6 | 26.6 | 39.8 |

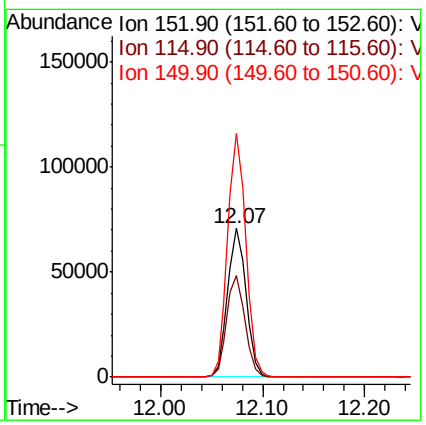


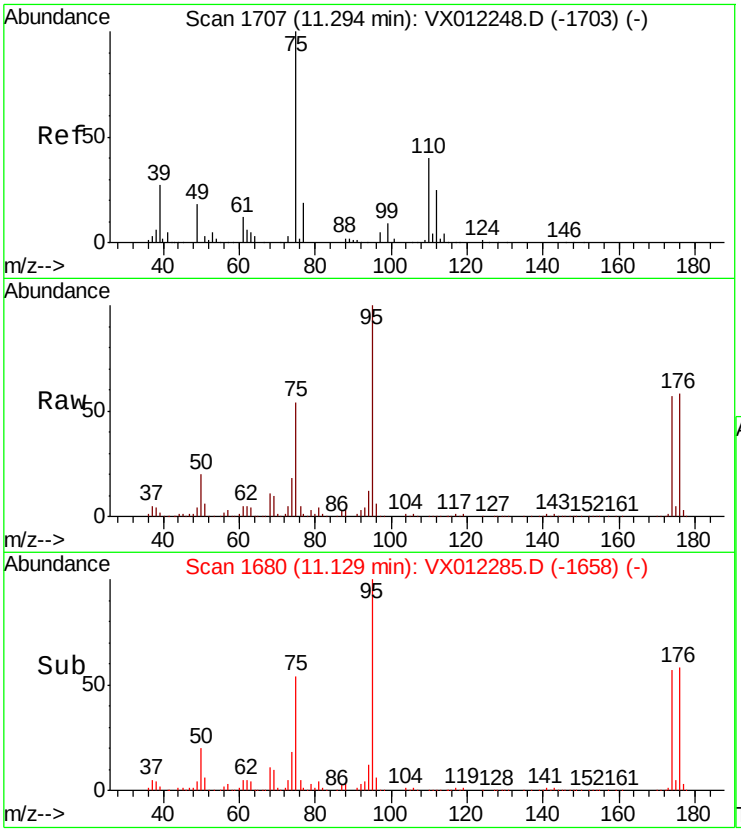




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion:152 Resp: 88556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.2 | 45.5 | 136.4 |
| 150 | 160.6 | 0.0 | 346.4 |



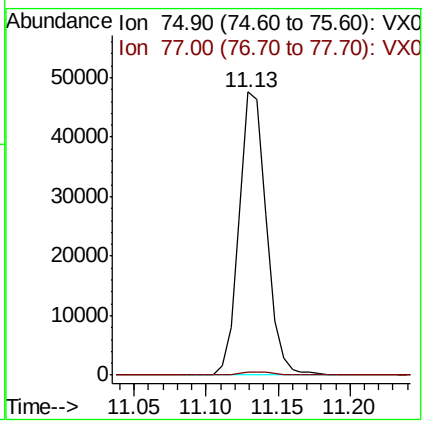


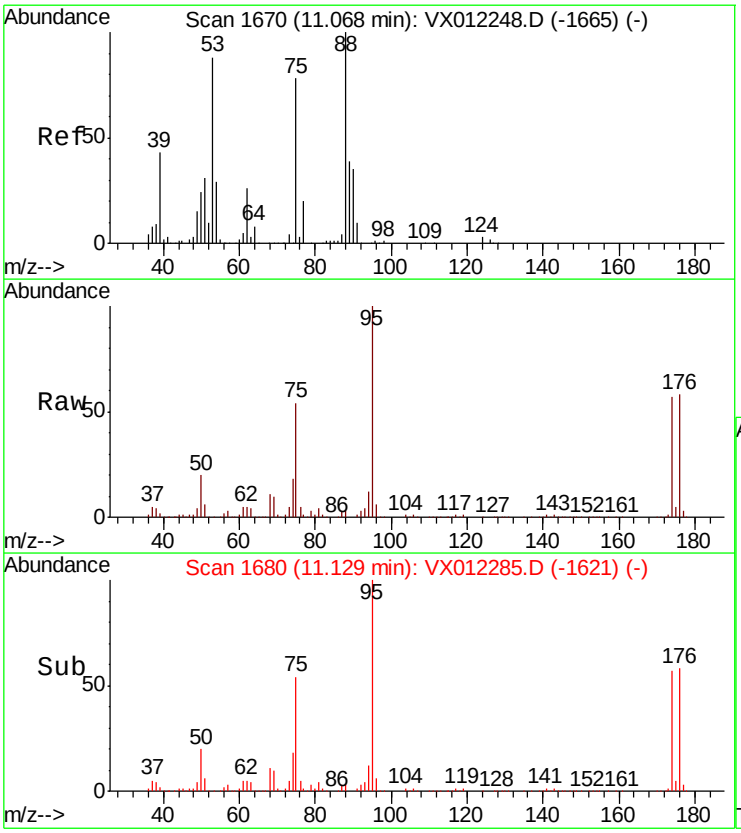

#76
1,2,3-Trichloropropane
Concen: 55.025 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

**Instrument :**
MSVOA_X
**ClientSampleId :**
T3-3-(0)

Tgt Ion: 75 Resp: 62598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 19.7 | 59.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 164.867 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX012285.D
Acq: 11 Sep 2019 05:56

Tgt Ion: 75 Resp: 62598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 88.1 | 132.1# |
| 89 | 0.1 | 43.5 | 65.3# |