Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071519\
Data File : VX010884.D
Acq On : 15 Jul 2019 15:04
Operator : JC/SP
Sample : K3817-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** SA-TW533-2126

Quant Time: Jul 16 01:59:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 226674 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 353567 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 323928 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 146041 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 119211 | 56.09 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.18% | | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 111634 | 51.60 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.20% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 423592 | 51.18 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.36% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 146179 | 48.92 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.84% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 757 | 0.413 | ug/l | # | 68 |
| 5) Bromomethane | 1.65 | 94 | 558 | 0.570 | ug/l | # | 55 |
| 6) Chloroethane | 1.73 | 64 | 5791 | 4.884 | ug/l | # | 67 |
| 10) Methyl Iodide | 2.52 | 142 | 713 | 0.259 | ug/l | # | 96 |
| 11) Tert butyl alcohol | 3.04 | 59 | 356 | 0.640 | ug/l | # | 74 |
| 13) Acrolein | 2.28 | 56 | 266 | 0.721 | ug/l | | 88 |
| 15) Acrylonitrile | 3.16 | 53 | 411 | 0.373 | ug/l | # | 76 |
| 16) Acetone | 2.44 | 43 | 3197 | 3.002 | ug/l | | 94 |
| 17) Carbon Disulfide | 2.57 | 76 | 1233 | 0.234 | ug/l | | 95 |
| 18) Methyl Acetate | 2.78 | 43 | 572 | 0.269 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 3447 | 1.023 | ug/l | | 93 |
| 29) Tetrahydrofuran | 5.11 | 42 | 233 | 0.241 | ug/l | # | 35 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 15110 | 5.378 | ug/l | # | 48 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 20640 | 6.784 | ug/l | # | 15 |
| 49) 1,4-Dioxane | 7.95 | 88 | 19 | 0.297 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 71841 | 26.995 | ug/l | # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 71841 | 62.977 | ug/l | # | 16 |
| 85) sec-Butylbenzene | 11.94 | 105 | 3473 | 0.361 | ug/l | # | 76 |
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180 | 737 | 0.222 | ug/l | # | 77 |
| 95) Naphthalene | 13.83 | 128 | 2134 | 0.209 | ug/l | # | 89 |

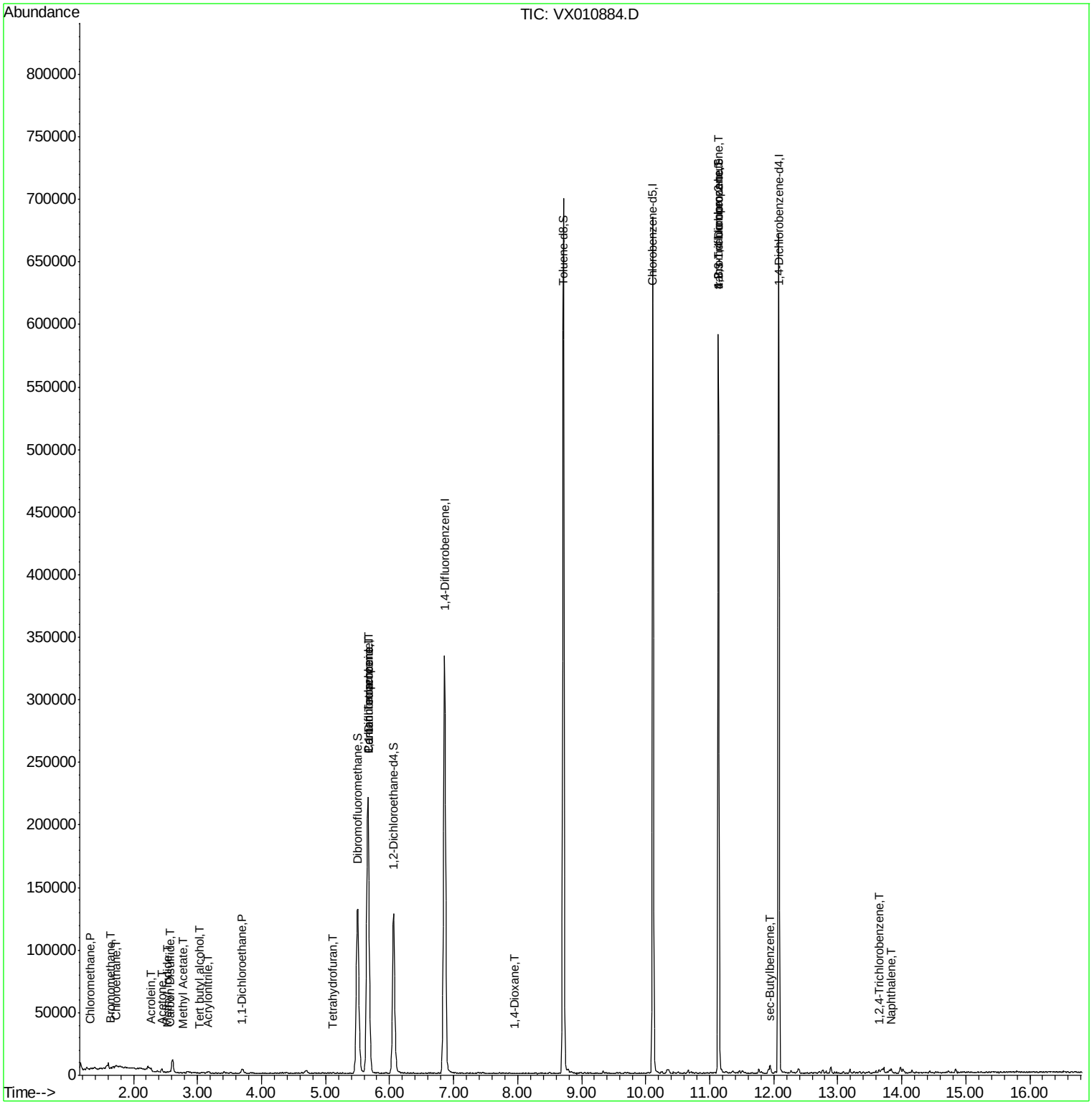
(#) = qualifier out of range (m) = manual integration (+) = signals summed

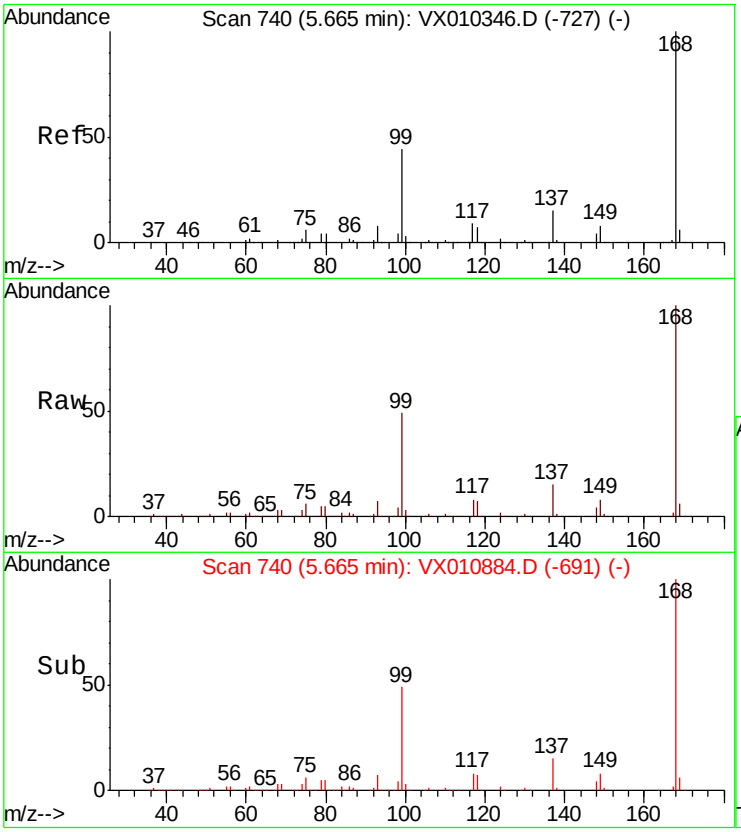
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010884.D
Acq On : 15 Jul 2019 15:04
Operator : JC/SP
Sample : K3817-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Quant Time: Jul 16 01:59:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration



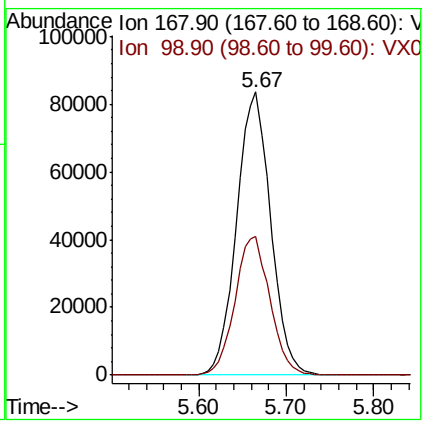


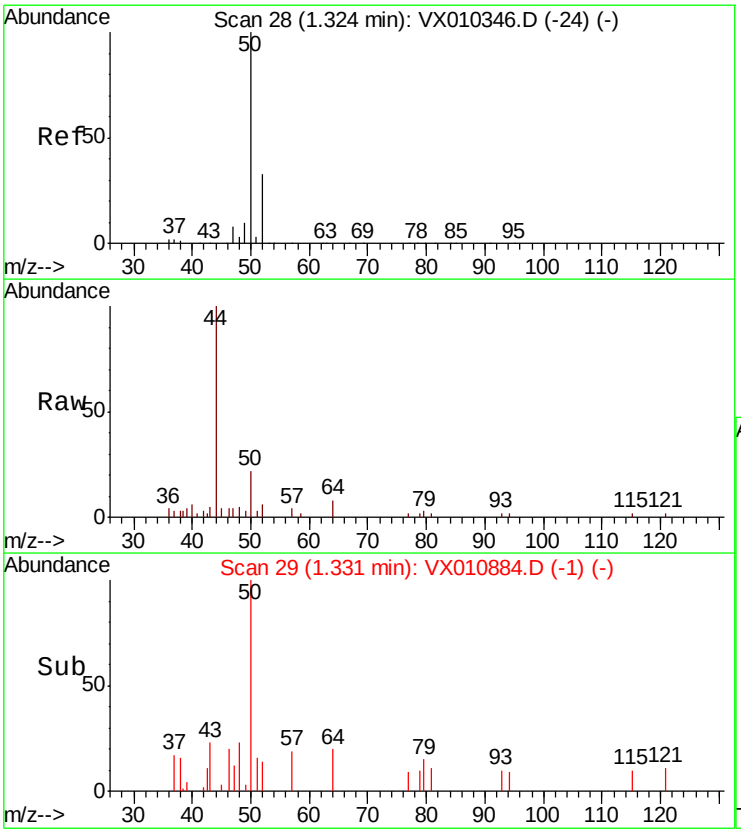

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion:168 Resp: 226674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.8 | 35.5 | 53.3 |

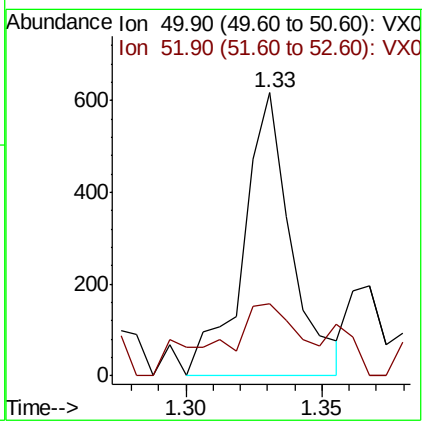


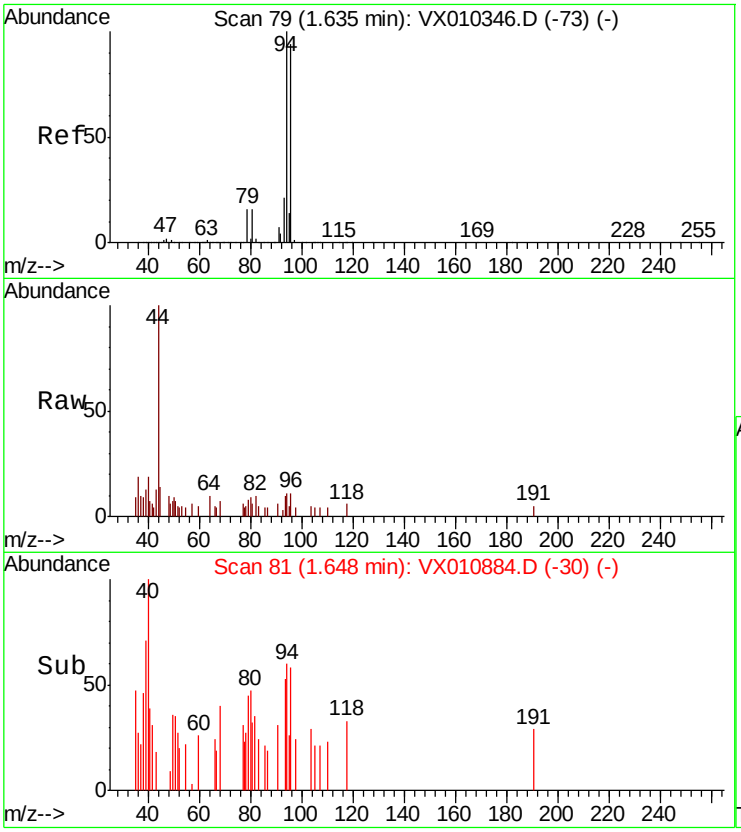




#3
Chloromethane
Concen: 0.413 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 50 Resp: 757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 15.2 | 26.5 | 39.7# |



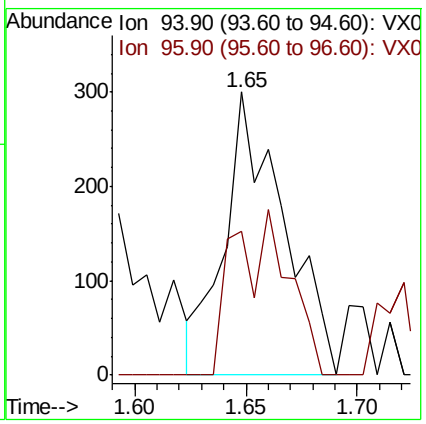


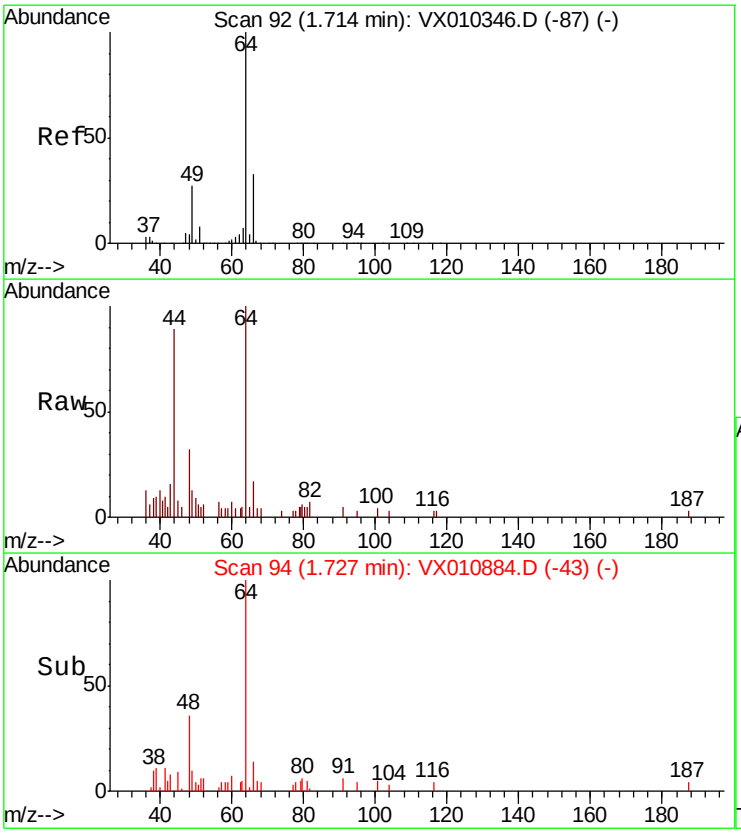

#5
Bromomethane
Concen: 0.570 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 94 Resp: 558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 51.0 | 75.5 | 113.3# |

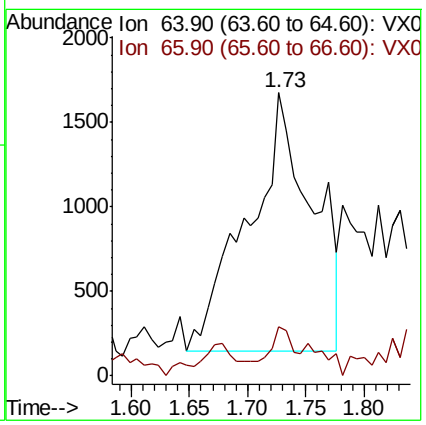


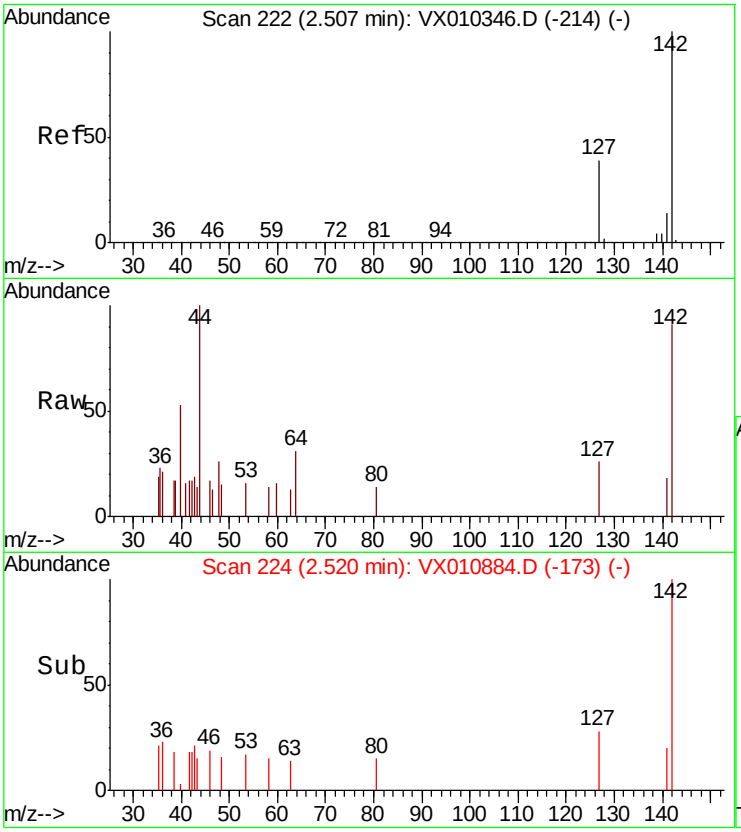




#6
Chloroethane
Concen: 4.884 ug/l
RT: 1.73 min Scan# 94
Delta R.T. 0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 64 Resp: 5791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 14.6 | 26.6 | 40.0# |



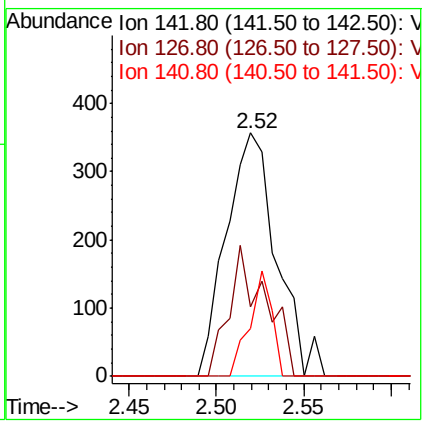


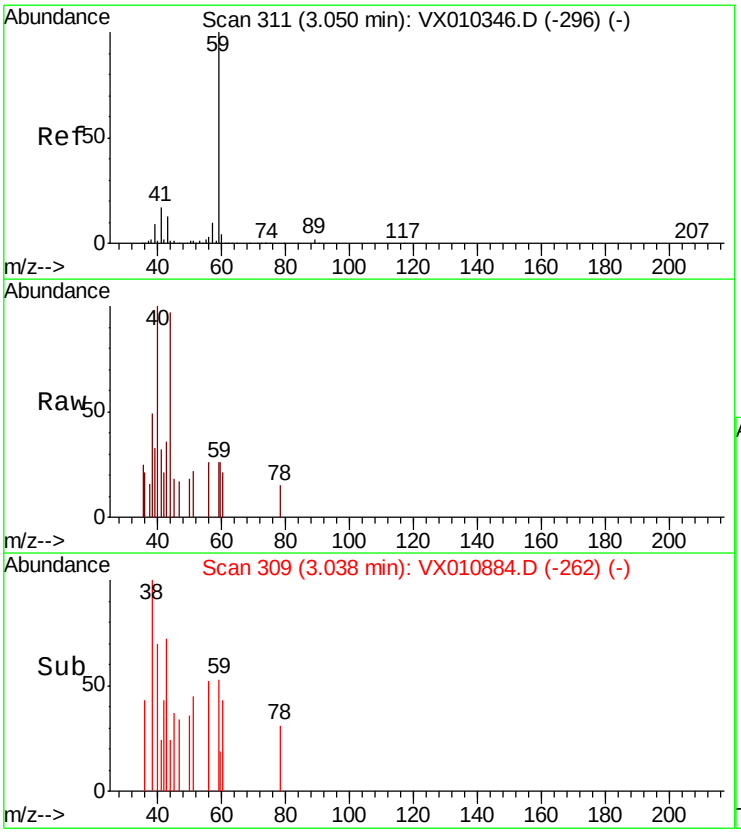

#10
Methyl Iodide
Concen: 0.259 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :** MSVOA_X
**ClientSampleId :** SA-TW533-2126

Tgt Ion:142 Resp: 713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 39.3 | 31.1 | 46.7 |
| 141 | 19.2 | 11.2 | 16.8# |

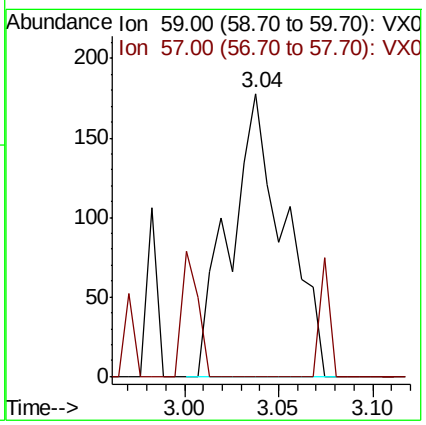


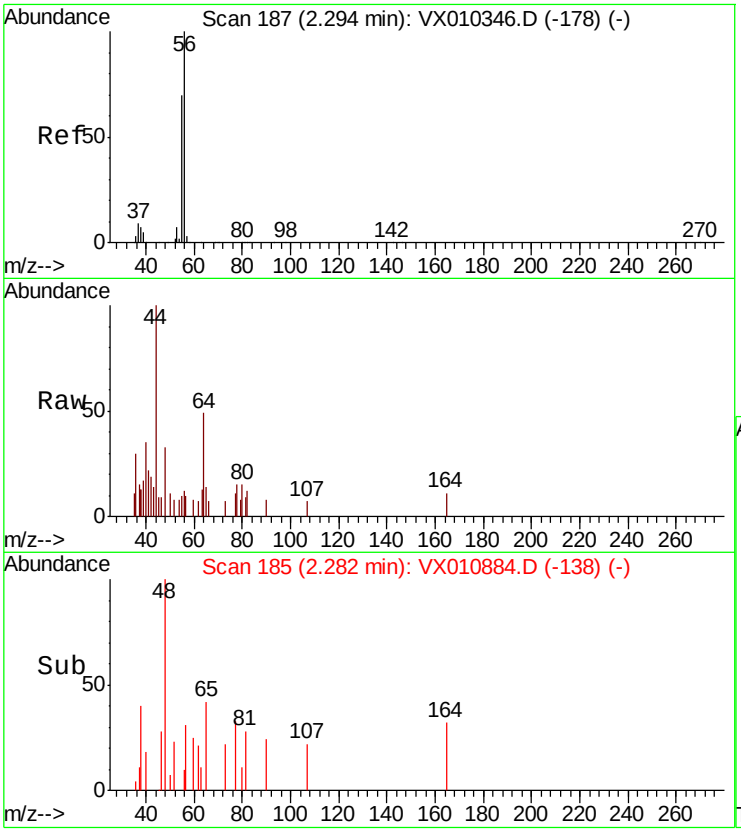




#11
Tert butyl alcohol
Concen: 0.640 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 59 Resp: 356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.7 | 11.5# |



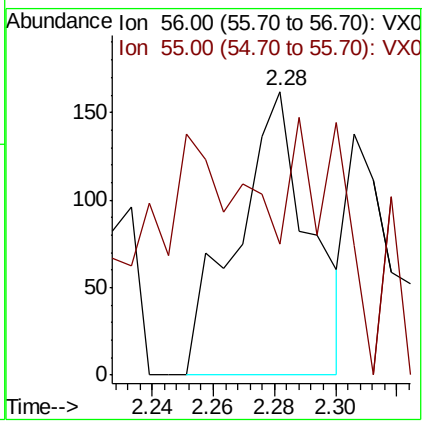


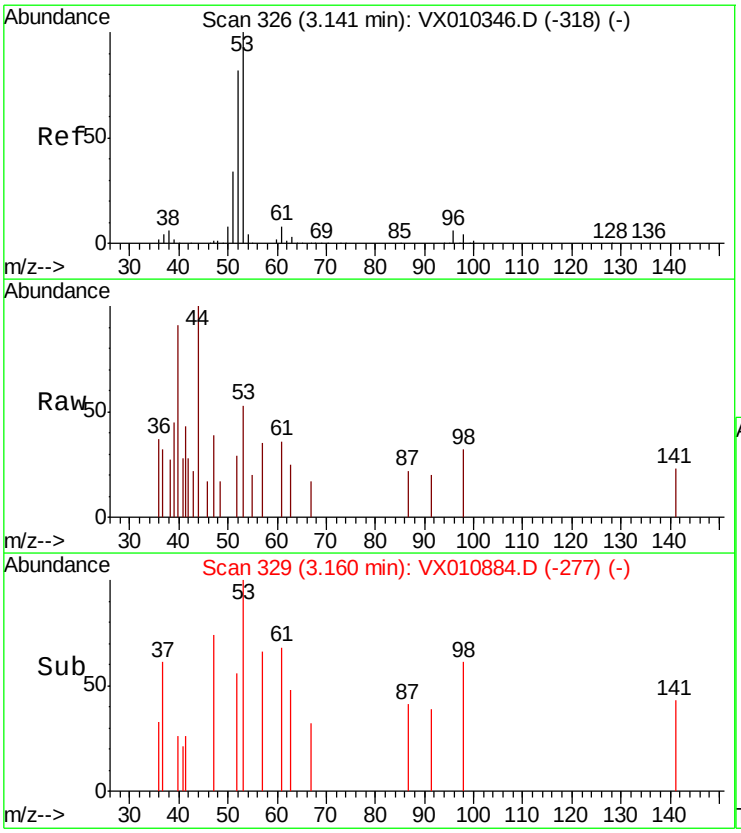

#13
Acrolein
Concen: 0.721 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 56 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 61.3 | 56.9 | 85.3 |

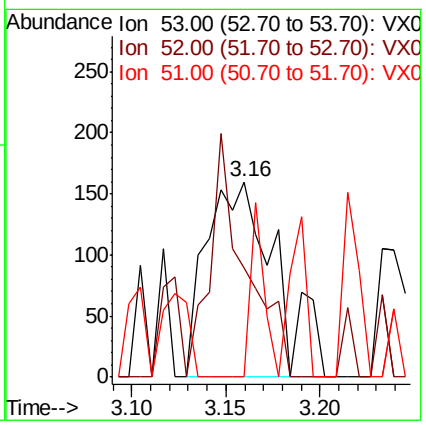


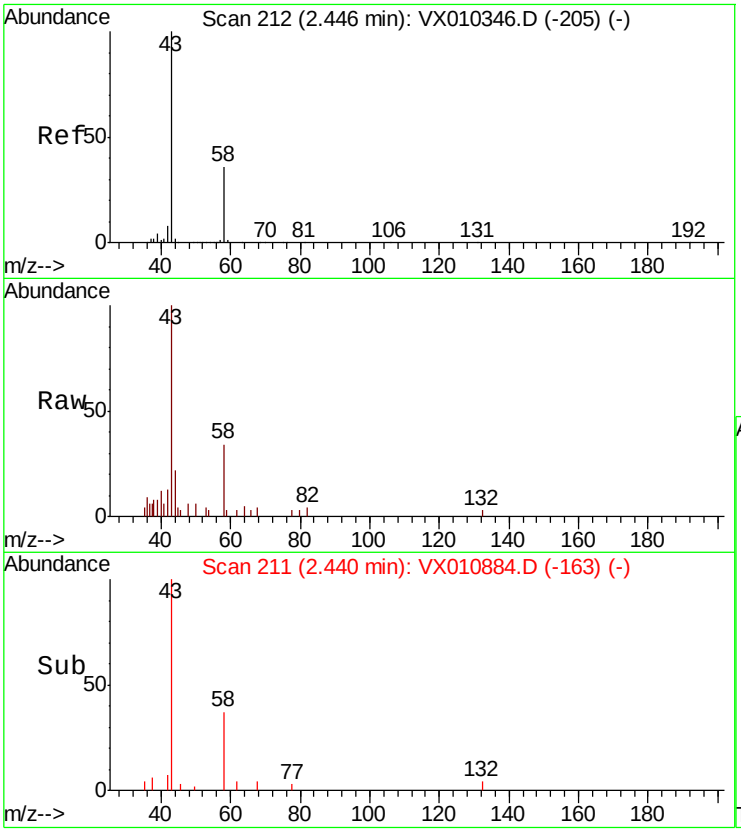




#15
Acrylonitrile
Concen: 0.373 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.02 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 53 Resp: 411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 63.3 | 65.5 | 98.3# |
| 51 | 17.3 | 28.2 | 42.4# |



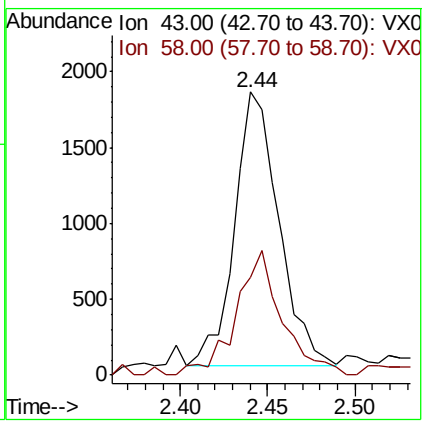


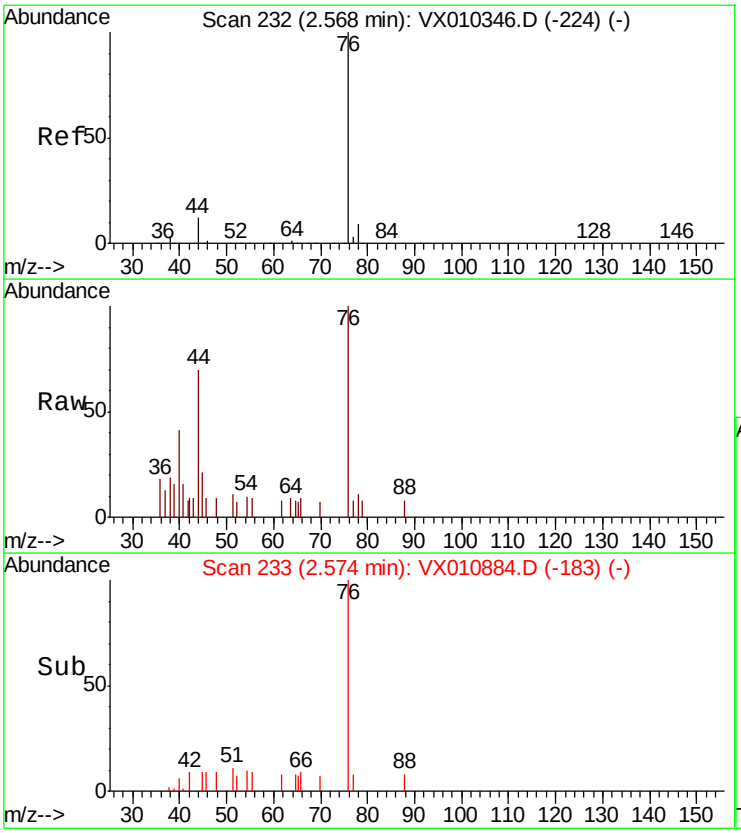

#16
Acetone
Concen: 3.002 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 43 Resp: 3197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.6 | 28.9 | 43.3 |

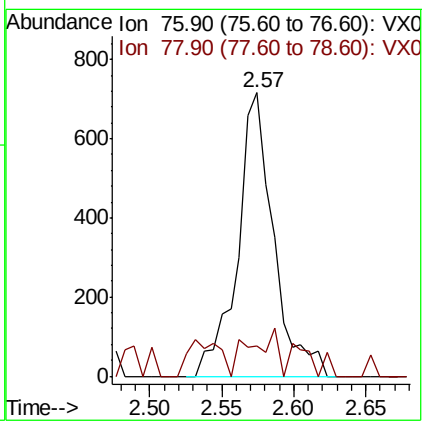


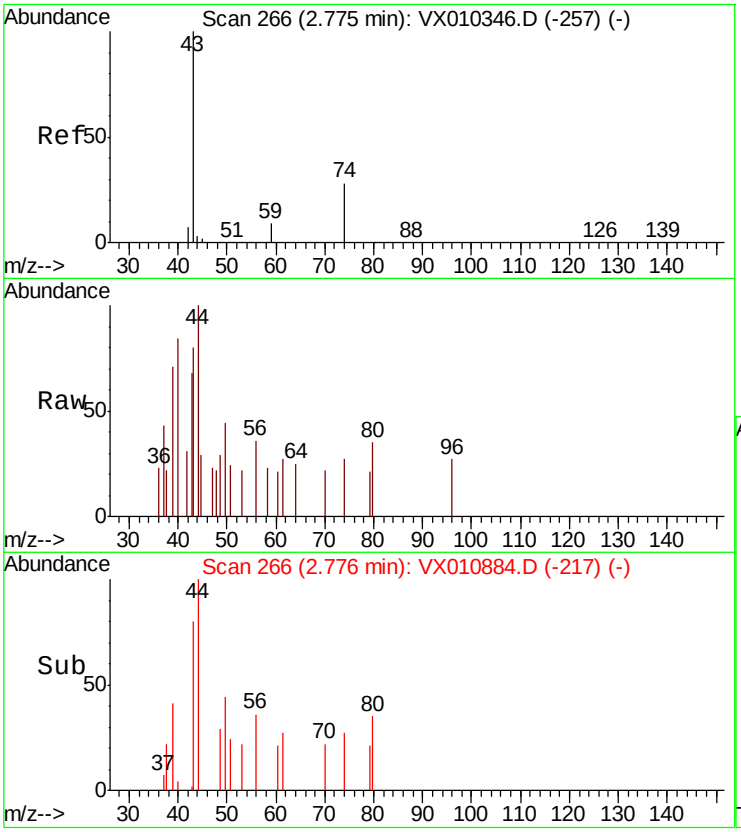




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 76 Resp: 1233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.8 | 7.3 | 10.9 |



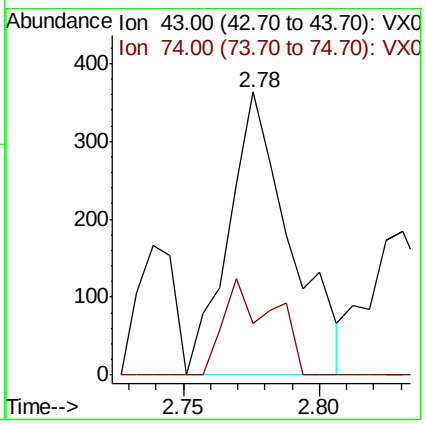


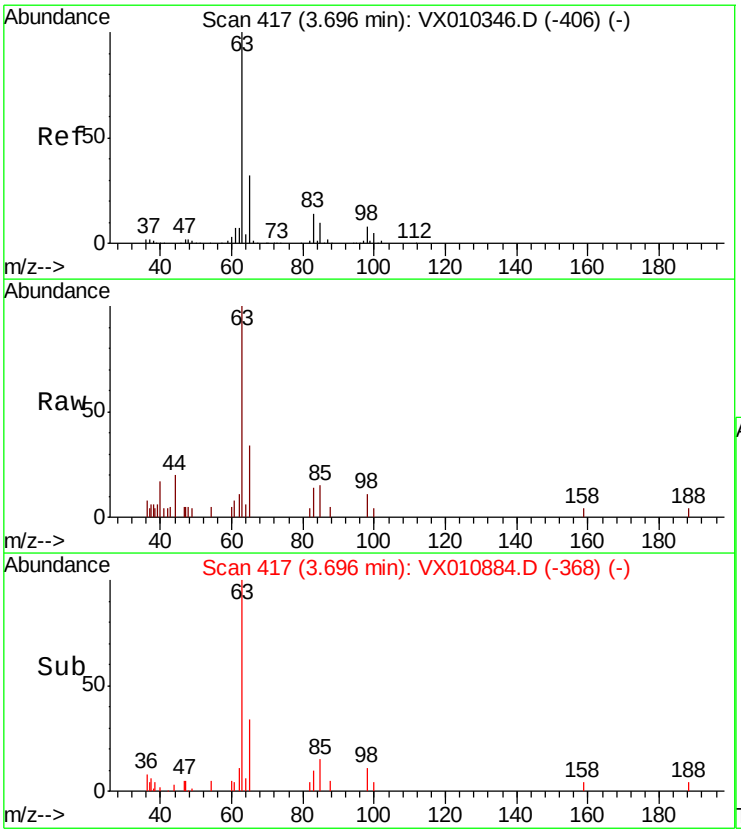

#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :** MSVOA_X
**ClientSampleId :** SA-TW533-2126

Tgt Ion: 43 Resp: 572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.1 | 21.3 | 31.9 |

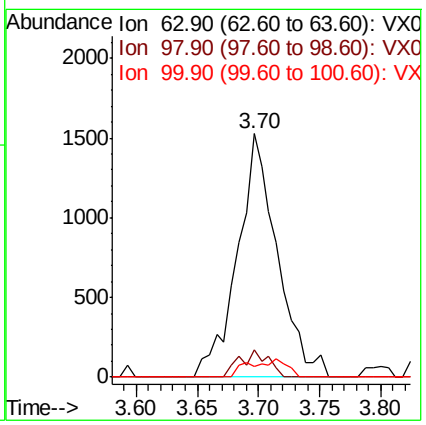


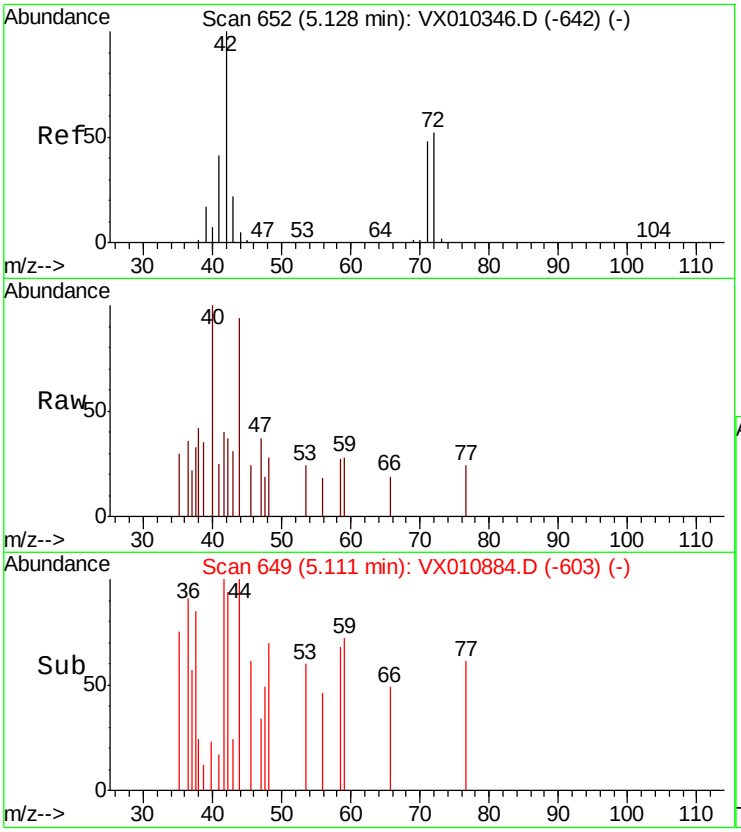




#24
1,1-Dichloroethane
Concen: 1.023 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 63 Resp: 3447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 11.3 | 3.9 | 11.7 |
| 100 | 4.1 | 2.4 | 7.1 |



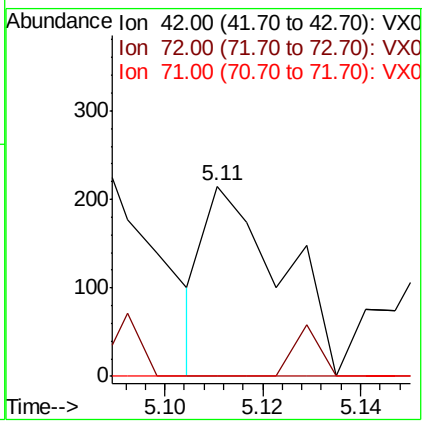


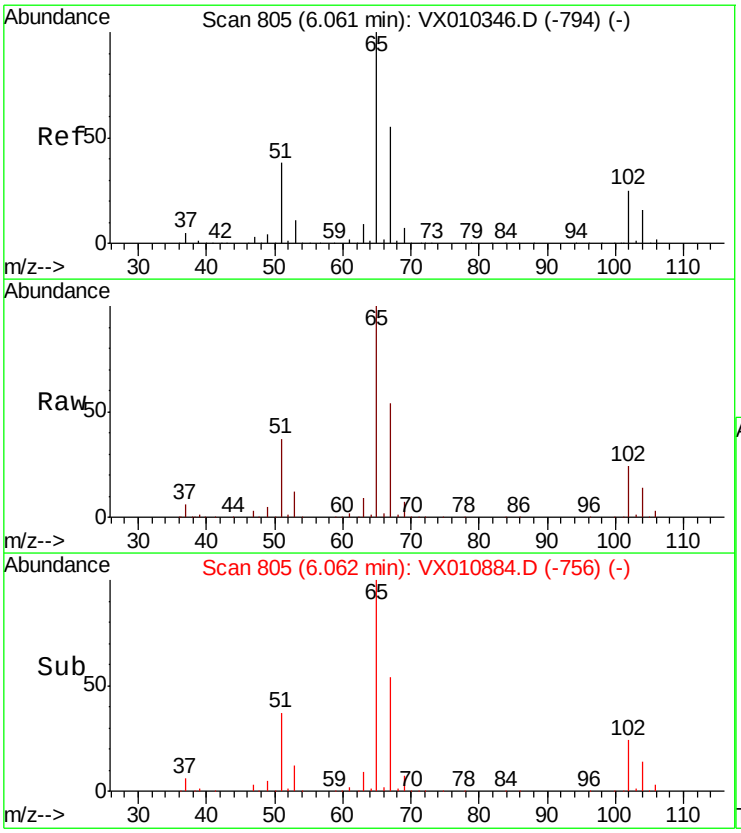

#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.02 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 42 Resp: 233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 9.4 | 40.6 | 60.8# |
| 71 | 0.0 | 37.8 | 56.8# |

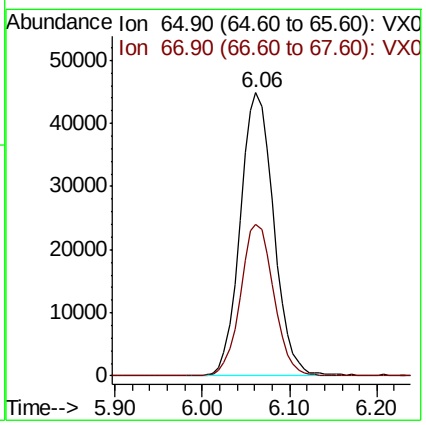


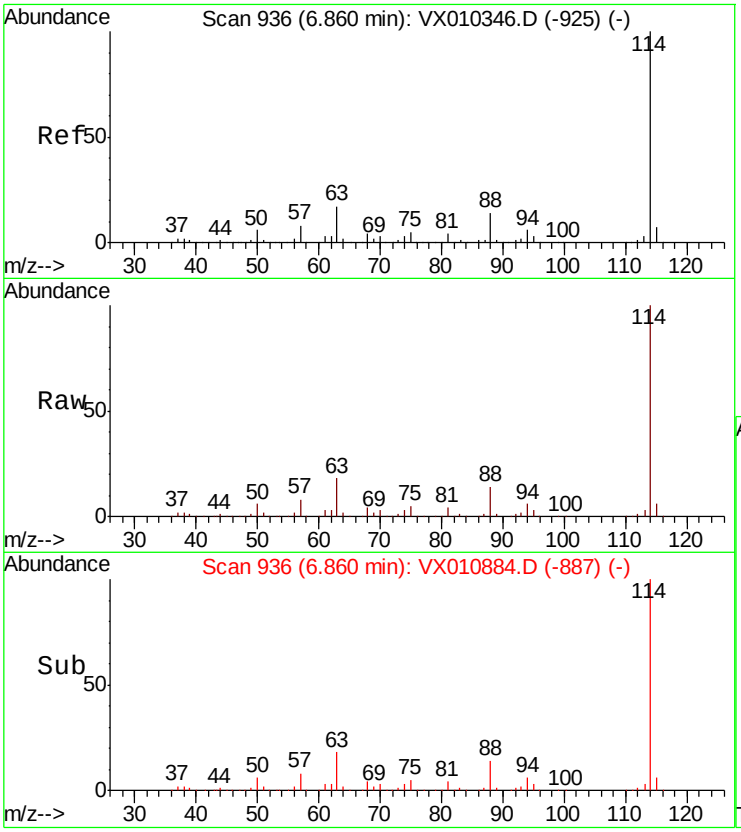




#33
1,2-Dichloroethane-d4
Concen: 56.092 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 65 Resp: 119211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 110.2 |



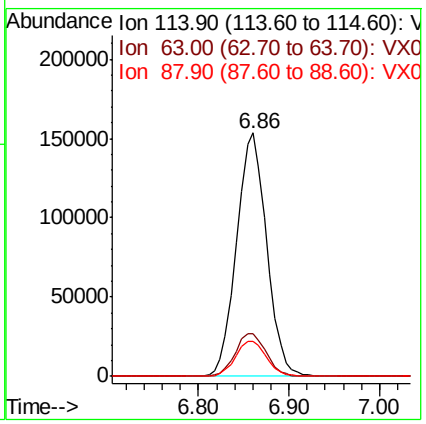


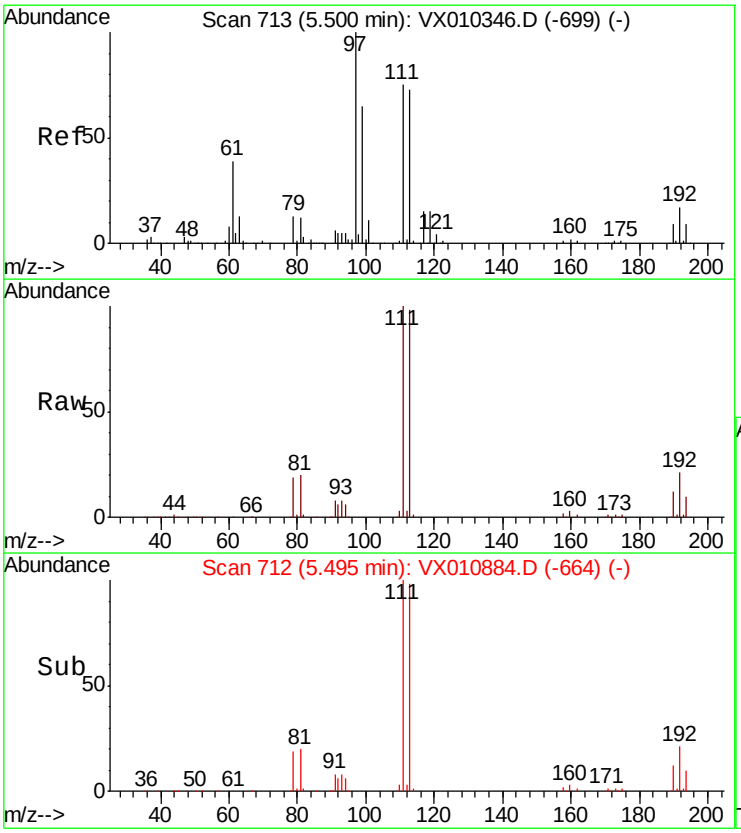

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion:114 Resp: 353567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.7 | 0.0 | 33.8 |
| 88 | 14.4 | 0.0 | 27.6 |

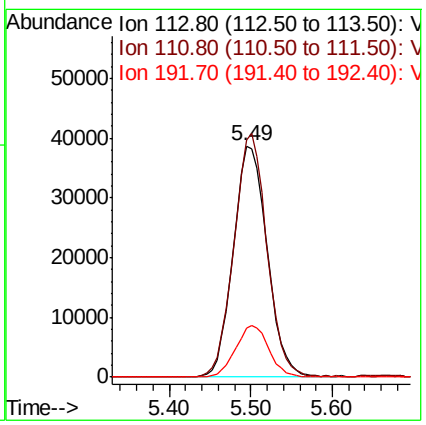


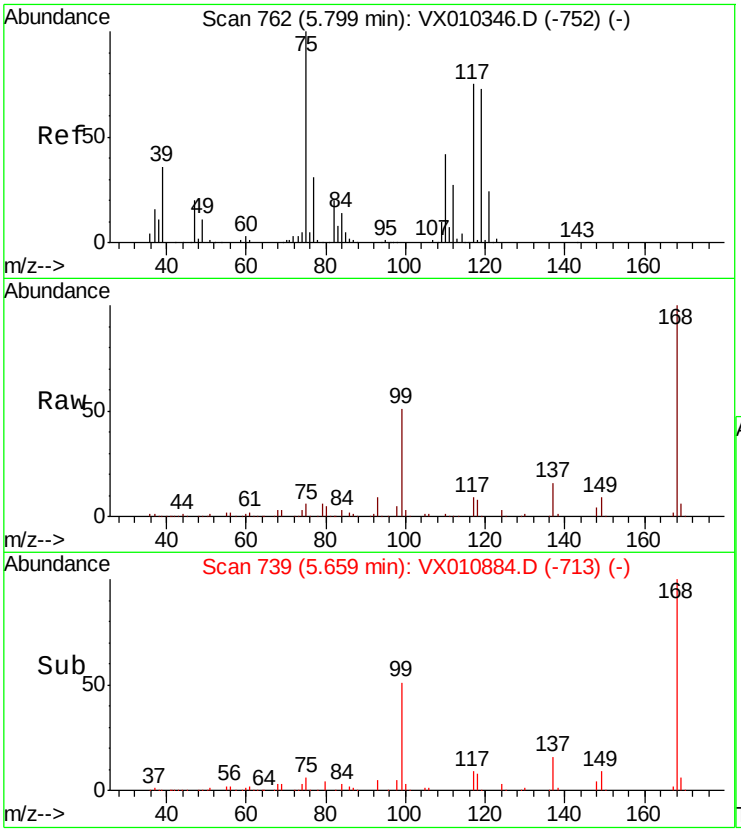




#35
Dibromofluoromethane
Concen: 51.605 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion:113 Resp: 111634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 81.2 | 121.8 |
| 192 | 21.9 | 18.6 | 27.8 |



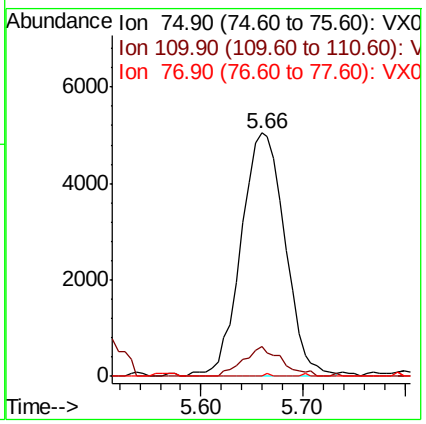


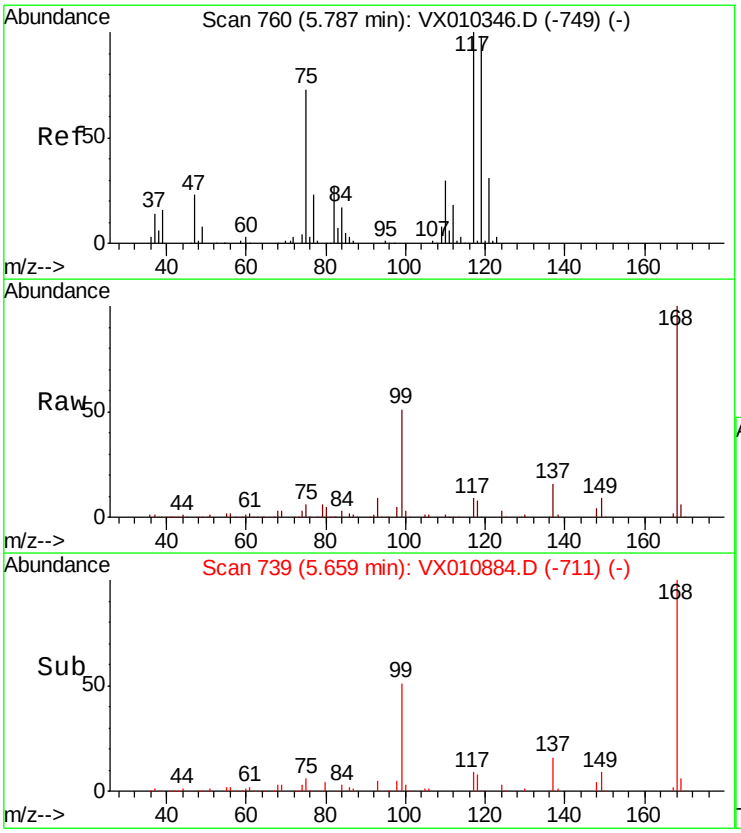

#36
1,1-Dichloropropene
Concen: 5.378 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 75 Resp: 15110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.6 | 20.8 | 62.2# |
| 77 | 0.2 | 25.4 | 38.0# |

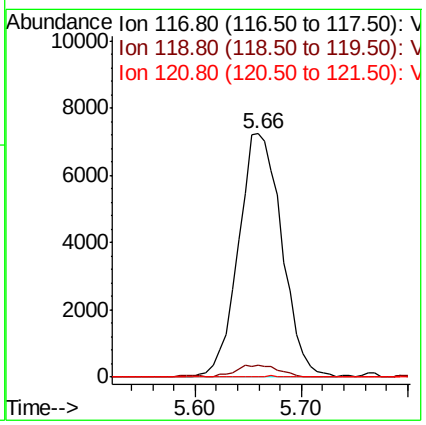


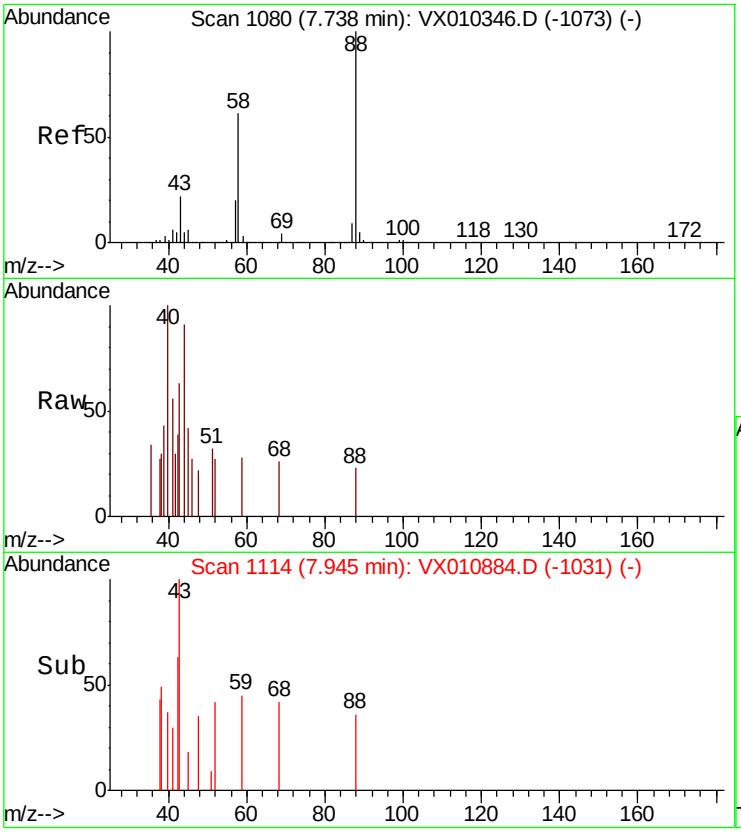




#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion:117 Resp: 20640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.8 | 78.2 | 117.4# |
| 121 | 0.0 | 24.7 | 37.1# |



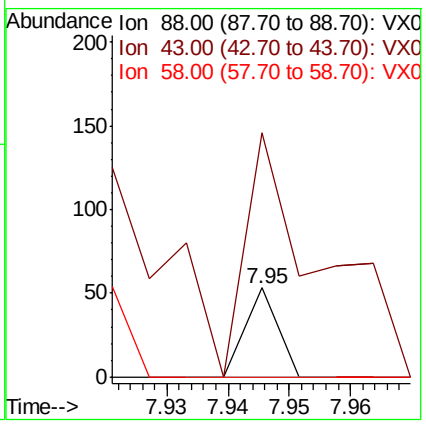


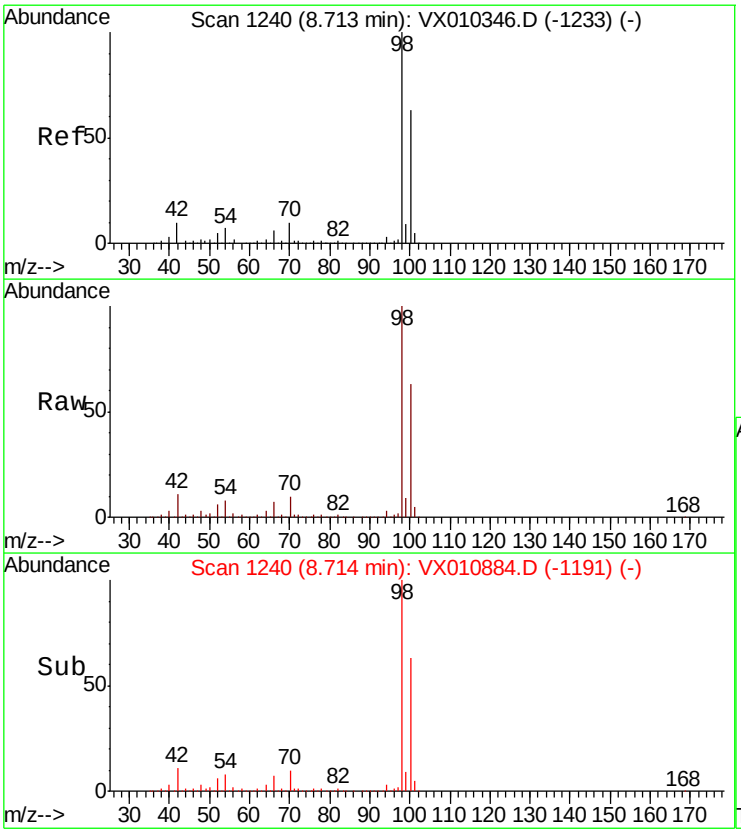

#49
1,4-Dioxane
Concen: 0.297 ug/l
RT: 7.95 min Scan# 1114
Delta R.T. 0.21 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 88 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 652.6 | 20.2 | 30.2# |
| 58 | 0.0 | 49.5 | 74.3# |

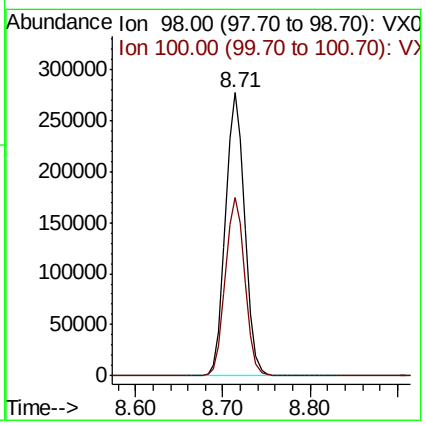


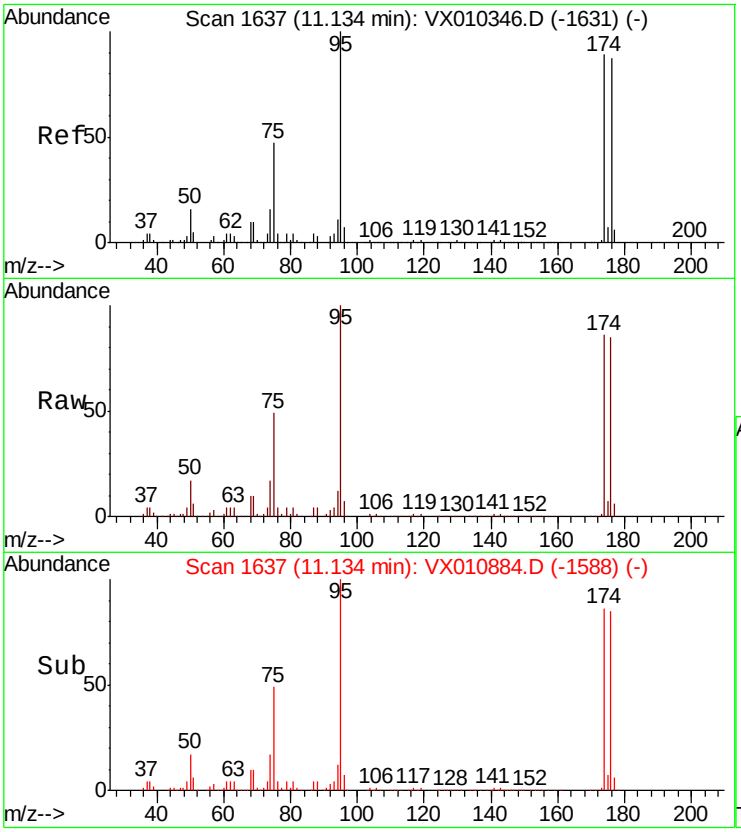




#50
Toluene-d8
Concen: 51.182 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 98 Resp: 423592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.6 | 77.4 |



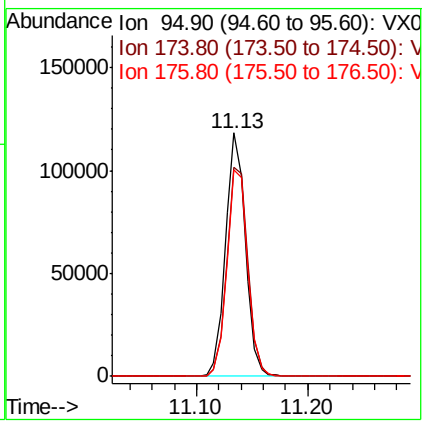


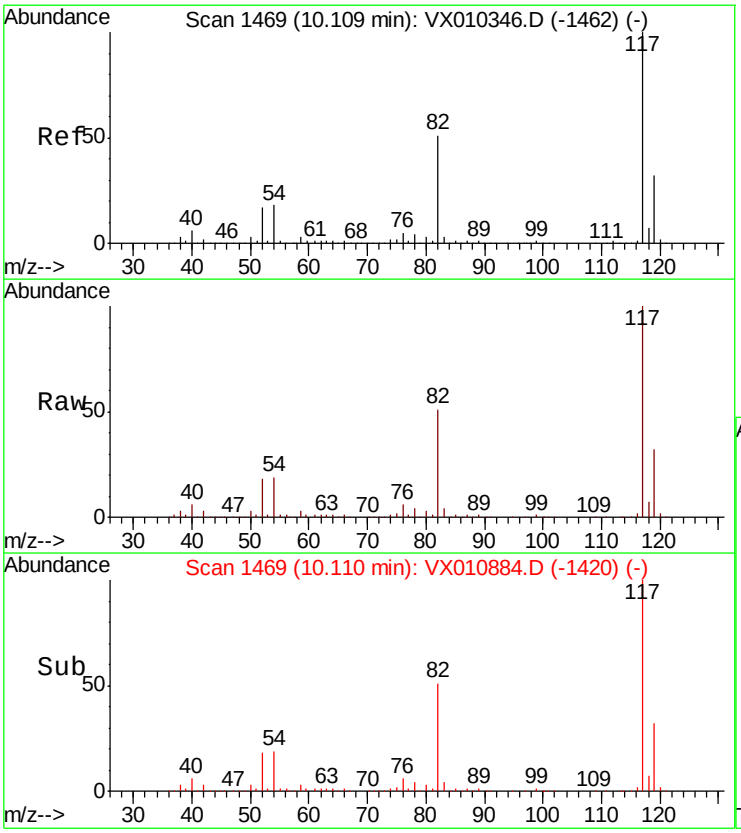

#62
4-Bromofluorobenzene
Concen: 48.923 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 95 Resp: 146179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.7 | 0.0 | 187.6 |
| 176 | 88.3 | 0.0 | 184.0 |

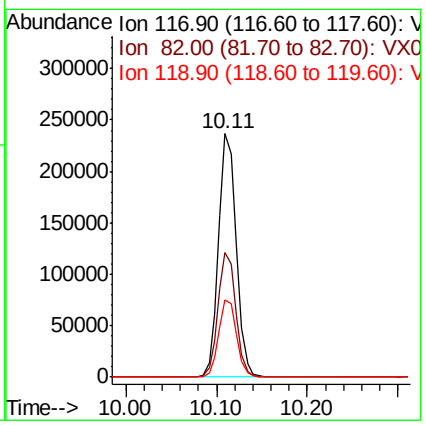


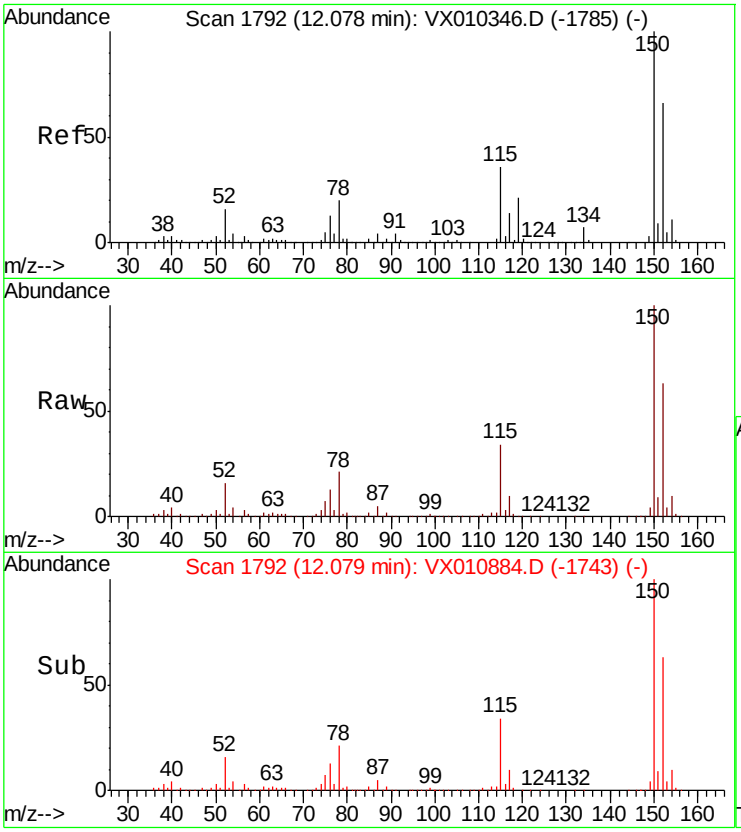




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion:117 Resp: 323928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.0 | 41.2 | 61.8 |
| 119 | 31.7 | 25.5 | 38.3 |



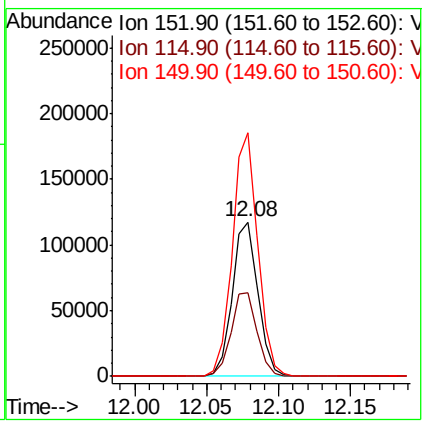


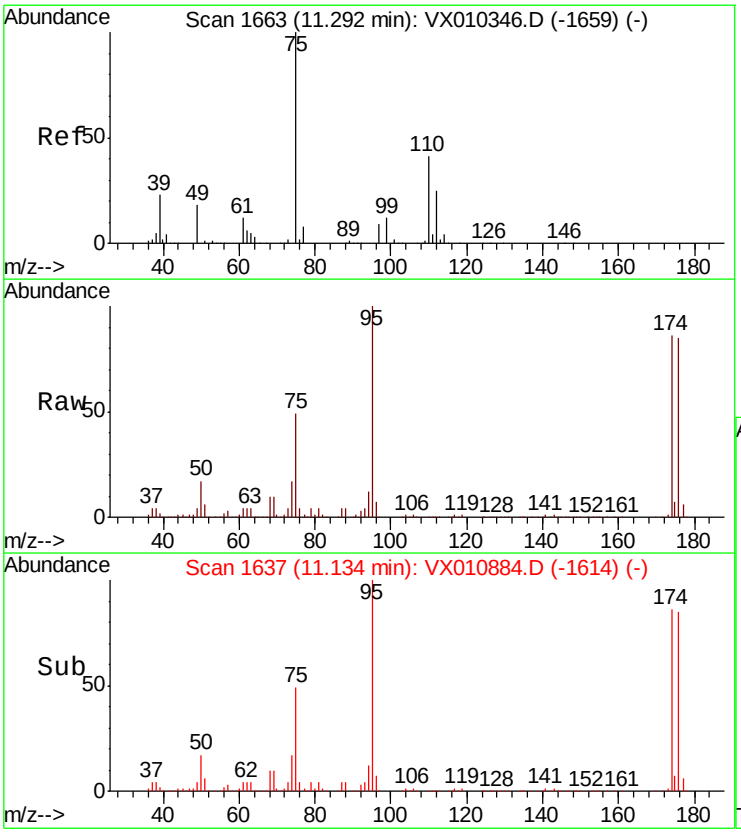

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion:152 Resp: 146041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.4 | 38.6 | 115.7 |
| 150 | 156.2 | 0.0 | 347.4 |

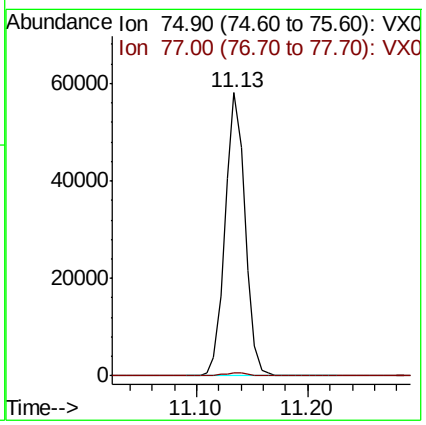


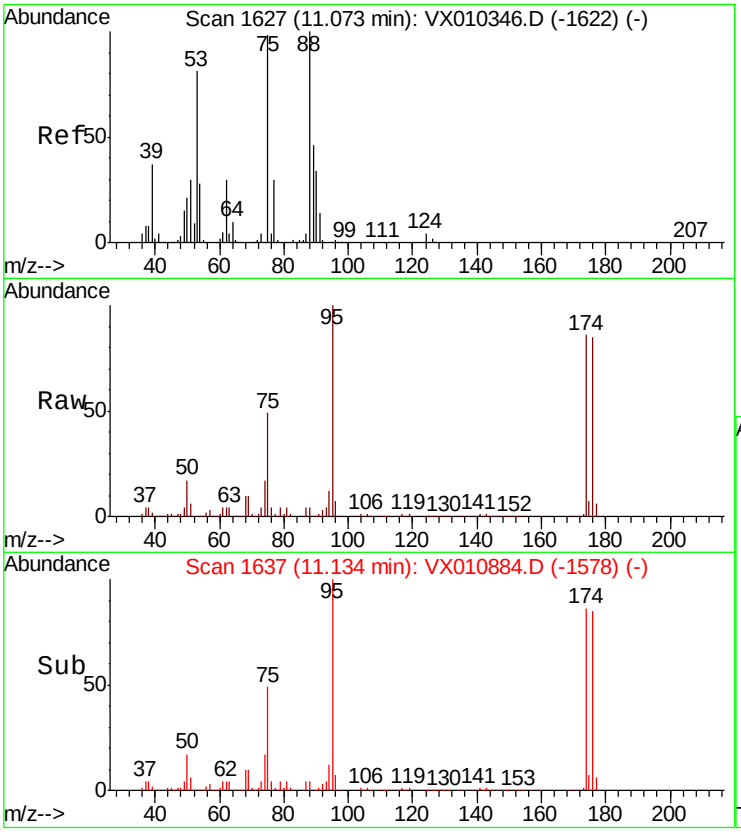




#76
1,2,3-Trichloropropane
Concen: 26.995 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion: 75 Resp: 71841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 22.6 | 67.8# |



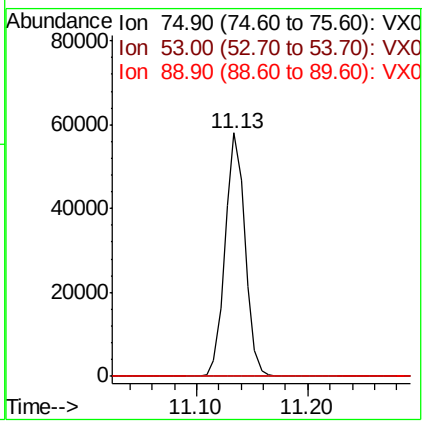


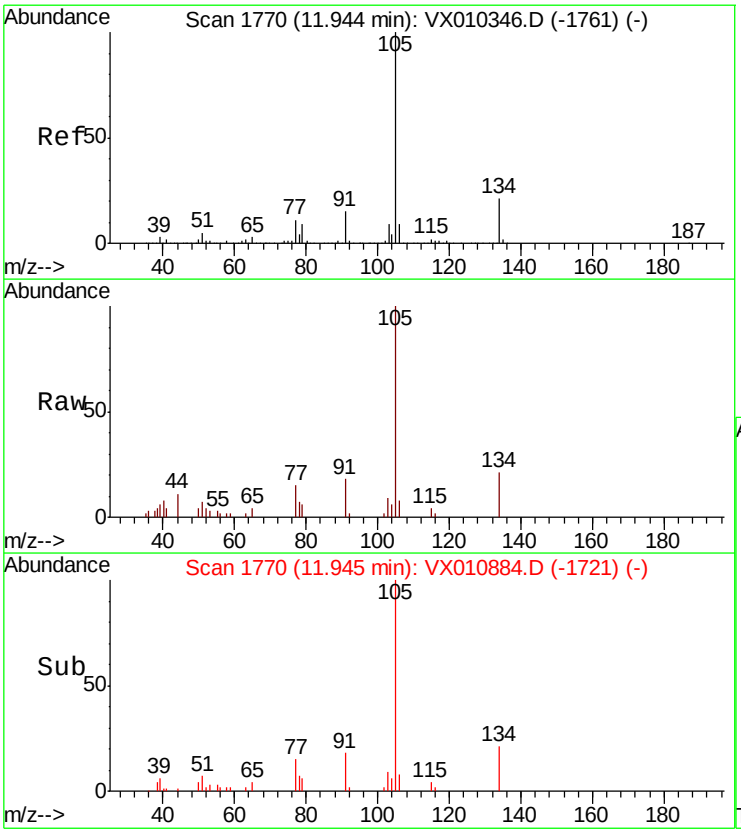

#81
trans-1,4-Dichloro-2-butene
Concen: 62.977 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion: 75 Resp: 71841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 66.1 | 99.1# |
| 89 | 0.0 | 37.8 | 56.6# |

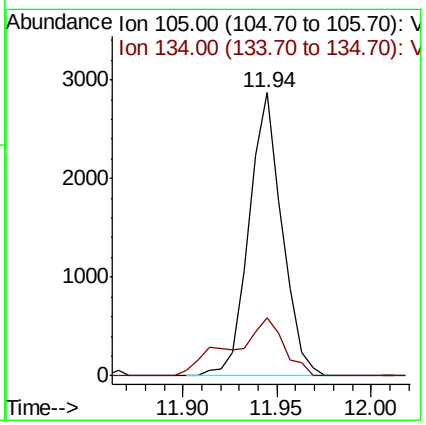


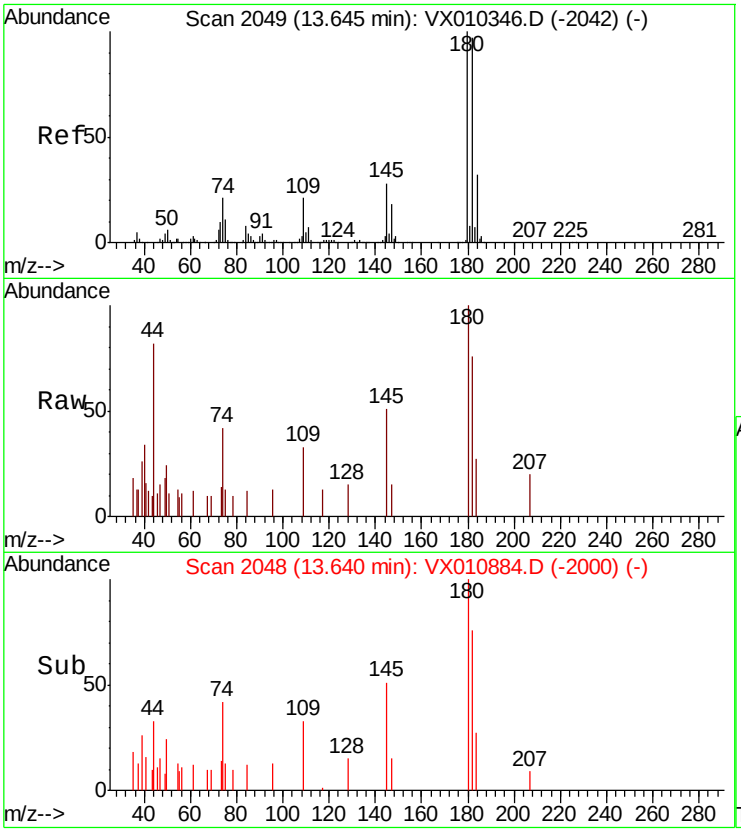




#85
sec-Butylbenzene
Concen: 0.361 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion:105 Resp: 3473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 32.8 | 10.7 | 31.9# |



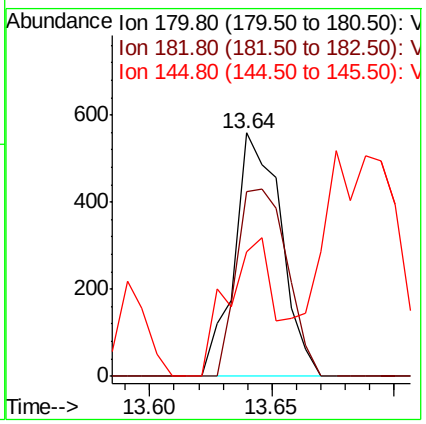


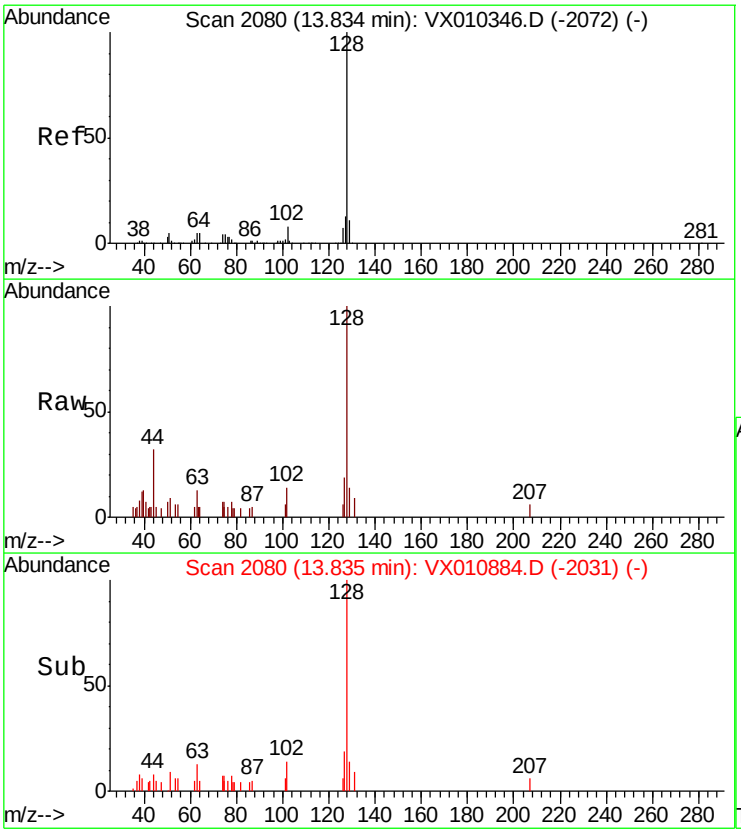

#93
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

**Instrument :**
MSVOA_X
**ClientSampleId :**
SA-TW533-2126

Tgt Ion:180 Resp: 737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 84.1 | 48.0 | 144.0 |
| 145 | 60.8 | 14.4 | 43.4# |




#95
Naphthalene
Concen: 0.209 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010884.D
Acq: 15 Jul 2019 15:04

Tgt Ion:128 Resp: 2134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.7 | 10.2 | 15.4# |
| 129 | 16.2 | 8.9 | 13.3# |