Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072919\
Data File : VX011135.D
Acq On : 29 Jul 2019 10:54
Operator : JC/SP
Sample : VX0729WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Quant Time: Jul 30 05:02:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 192852 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 308355 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 283863 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 129857 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 107019 | 52.16 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.32% | | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 100350 | 51.27 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.54% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 370519 | 50.47 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.94% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 125387 | 46.47 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.94% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.45 | 85 | 21 | 0.556 | ug/l | # | 43 |
| 3) Chloromethane | 1.33 | 50 | 495 | 0.279 | ug/l | | 96 |
| 5) Bromomethane | 1.67 | 94 | 810 | 0.795 | ug/l | # | 60 |
| 6) Chloroethane | 1.73 | 64 | 231 | 0.201 | ug/l | # | 44 |
| 10) Methyl Iodide | 2.52 | 142 | 700 | 0.305 | ug/l | # | 48 |
| 11) Tert butyl alcohol | 3.03 | 59 | 843 | 1.764 | ug/l | # | 75 |
| 13) Acrolein | 2.31 | 56 | 90 | 0.326 | ug/l | # | 23 |
| 15) Acrylonitrile | 3.13 | 53 | 240 | 0.249 | ug/l | # | 57 |
| 16) Acetone | 2.44 | 43 | 545 | 0.588 | ug/l | | 95 |
| 17) Carbon Disulfide | 2.57 | 76 | 1127 | 0.256 | ug/l | # | 75 |
| 20) Methylene Chloride | 2.87 | 84 | 466 | 0.237 | ug/l | # | 66 |
| 29) Tetrahydrofuran | 5.15 | 42 | 240 | 0.285 | ug/l | # | 29 |
| 30) Chloroform | 5.22 | 83 | 726 | 0.220 | ug/l | | 93 |
| 31) Cyclohexane | 5.65 | 56 | 3863 | 1.387 | ug/l | # | 17 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 13157 | 5.195 | ug/l | # | 48 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 17795 | 6.742 | ug/l | # | 16 |
| 49) 1,4-Dioxane | 7.77 | 88 | 26 | 0.447 | ug/l | # | 1 |
| 60) Dibromochloromethane | 9.59 | 129 | 24 | 2.537 | ug/l | # | 11 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 62730 | 26.770 | ug/l | # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 62730 | 66.403 | ug/l | # | 11 |

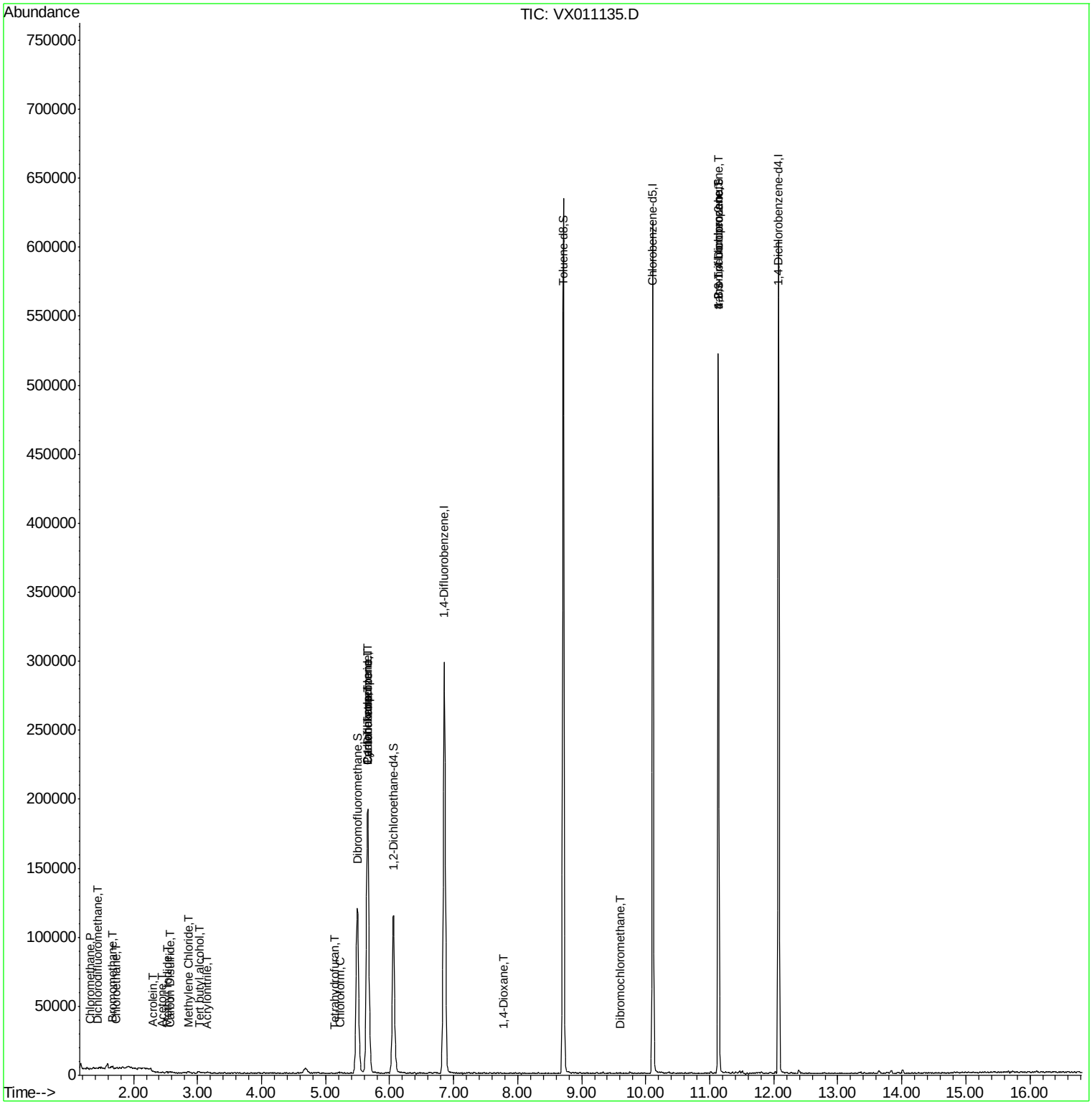
(#) = qualifier out of range (m) = manual integration (+) = signals summed

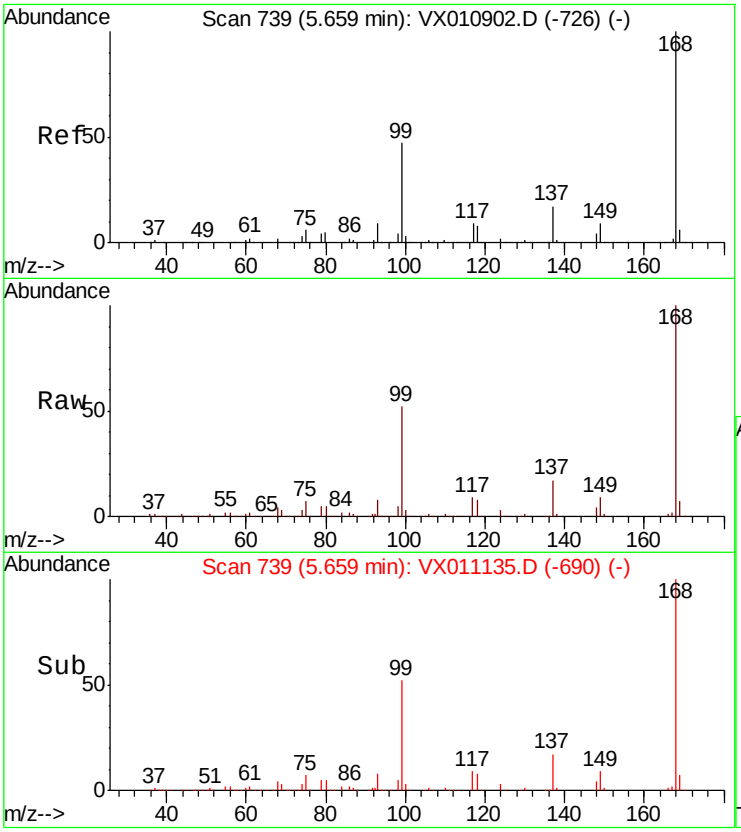
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072919\
Data File : VX011135.D
Acq On : 29 Jul 2019 10:54
Operator : JC/SP
Sample : VX0729WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Quant Time: Jul 30 05:02:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration



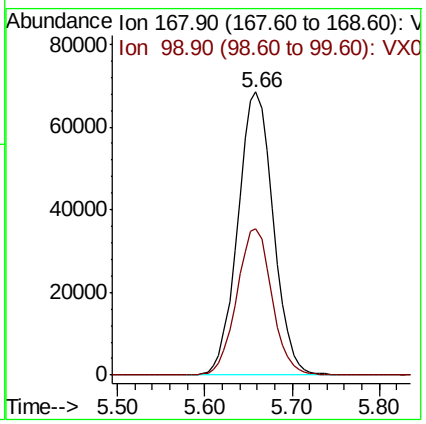


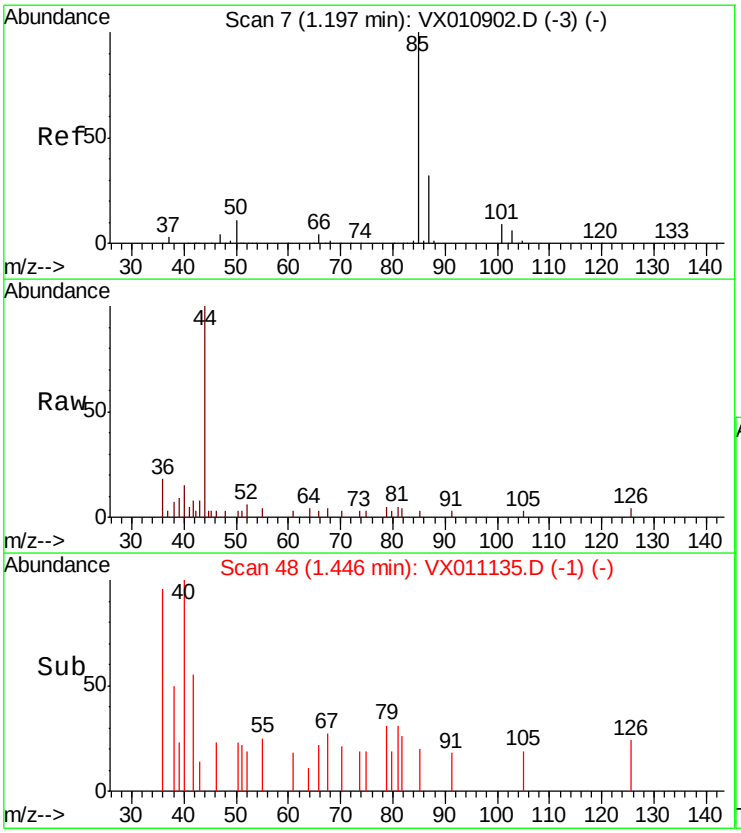

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion:168 Resp: 192852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.6 | 37.6 | 56.4 |

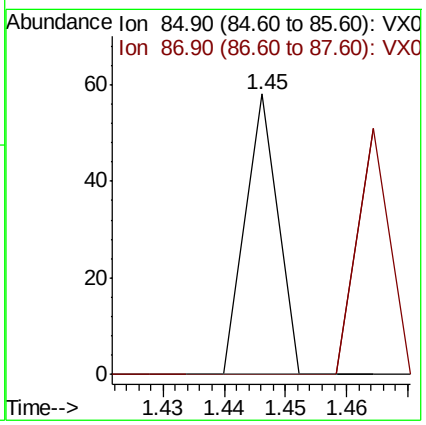


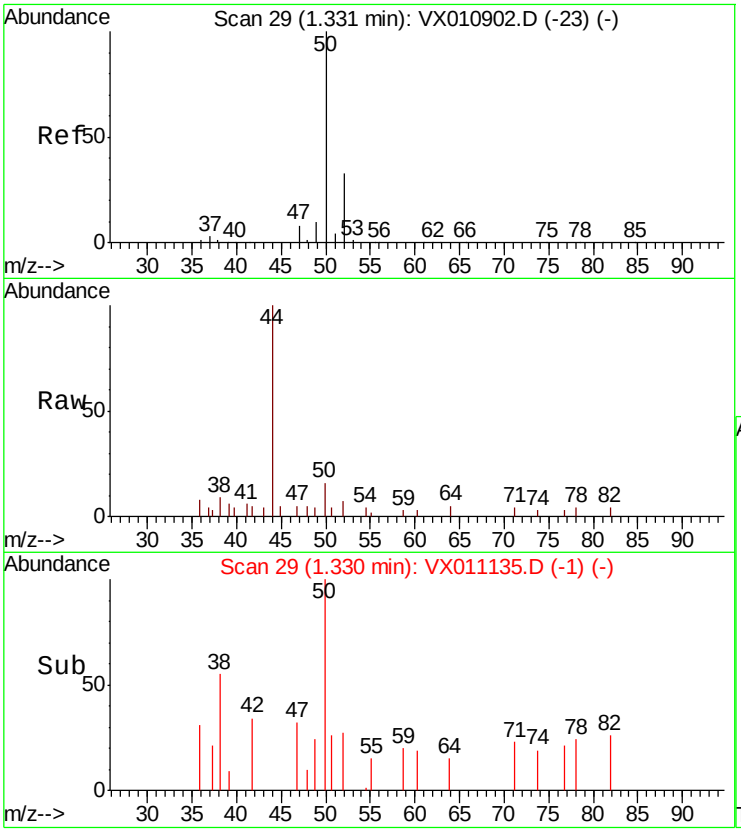




#2
Dichlorodifluoromethane
Concen: 0.556 ug/l
RT: 1.45 min Scan# 48
Delta R.T. 0.25 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 85 Resp: 21

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 15.9 | 47.7# |



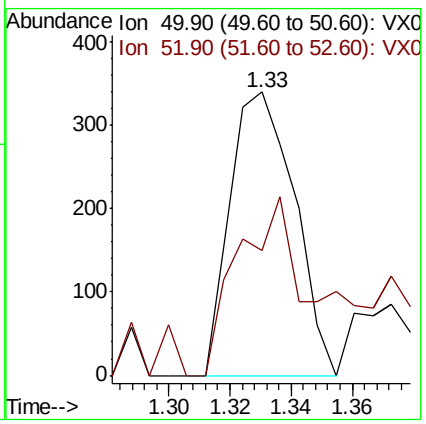


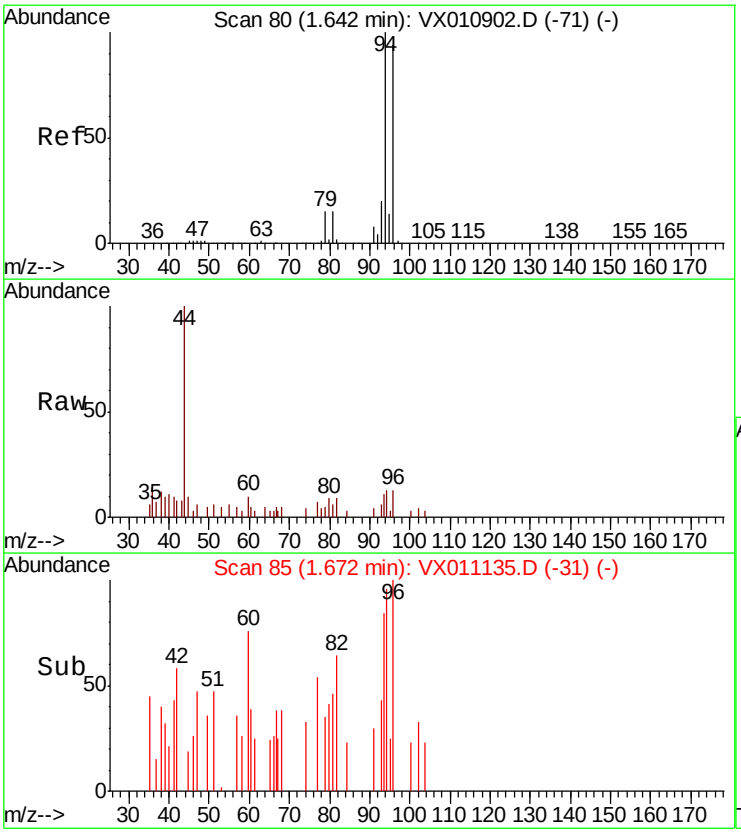

#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 50 Resp: 495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.1 | 26.4 | 39.6 |

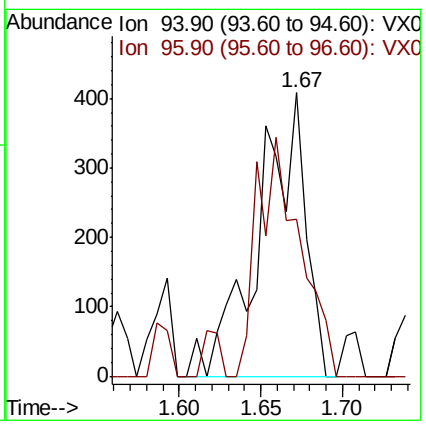


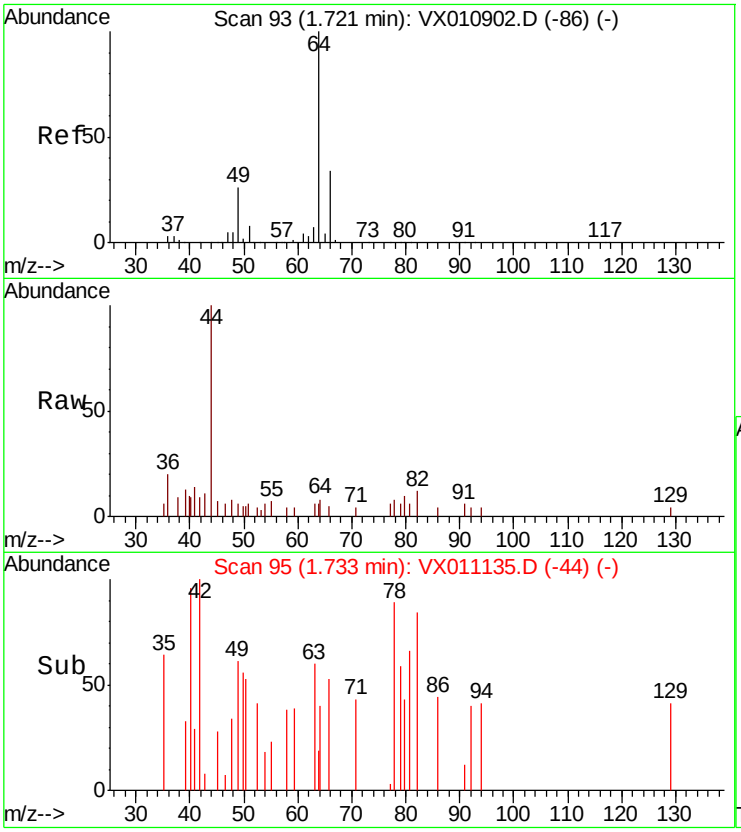




#5
Bromomethane
Concen: 0.795 ug/l
RT: 1.67 min Scan# 85
Delta R.T. 0.03 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 94 Resp: 810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 55.6 | 75.6 | 113.4# |



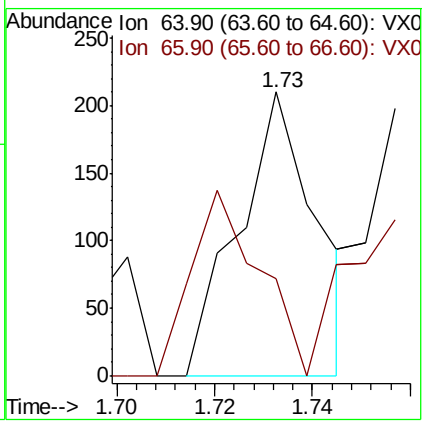


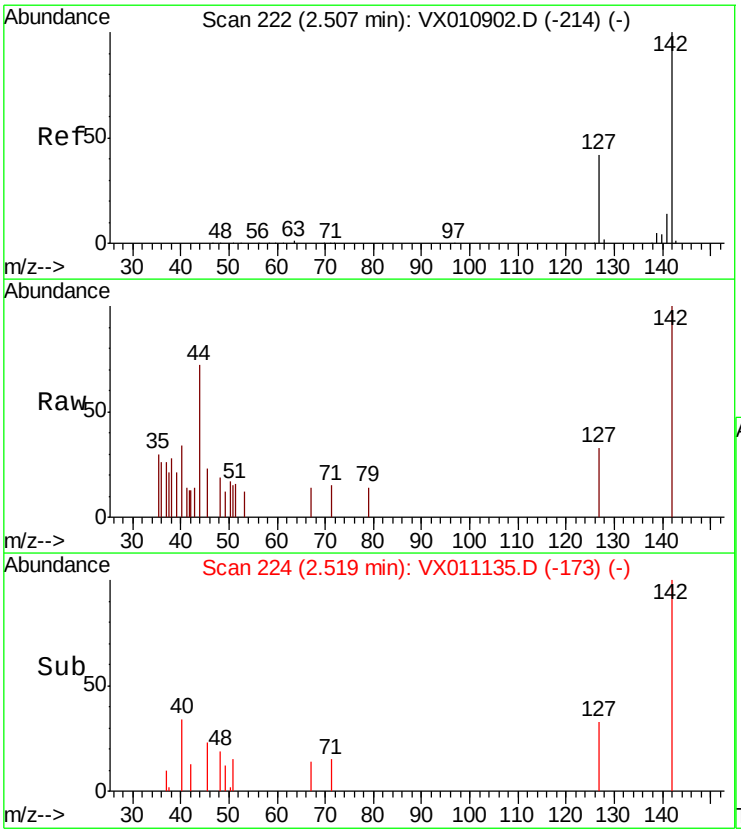

#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.73 min Scan# 95
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 64 Resp: 231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 1.9 | 27.0 | 40.6# |

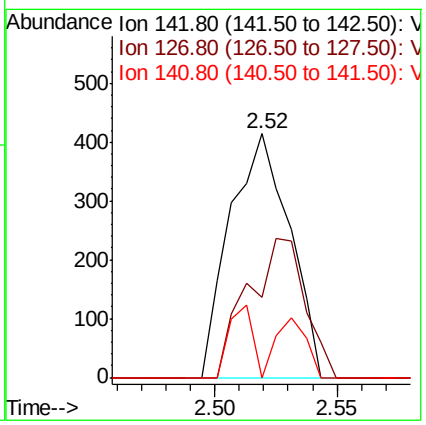


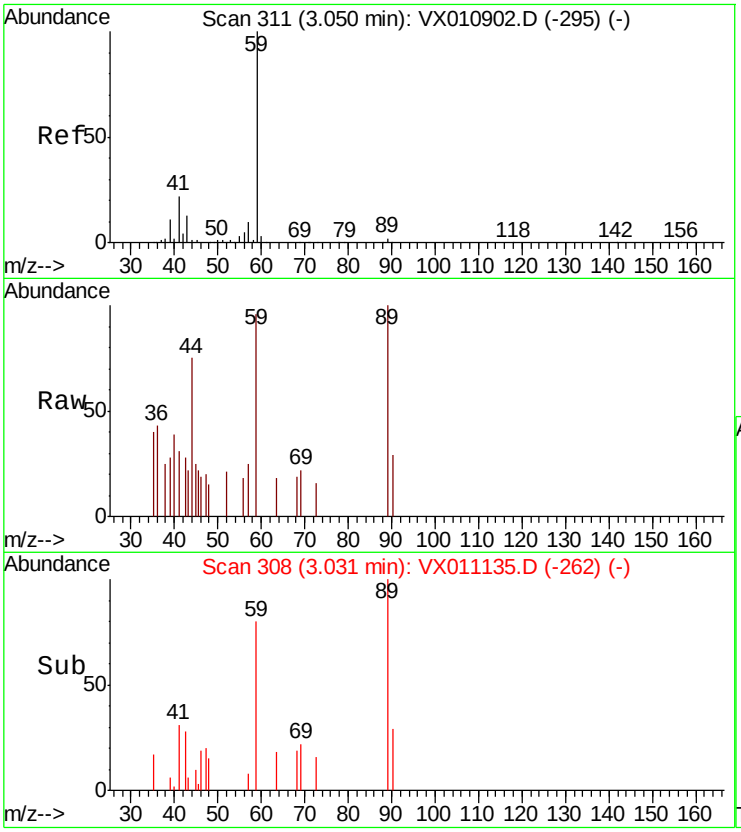




#10
Methyl Iodide
Concen: 0.305 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion:142 Resp: 700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 34.2 | 51.4# |
| 141 | 11.7 | 11.7 | 17.5 |



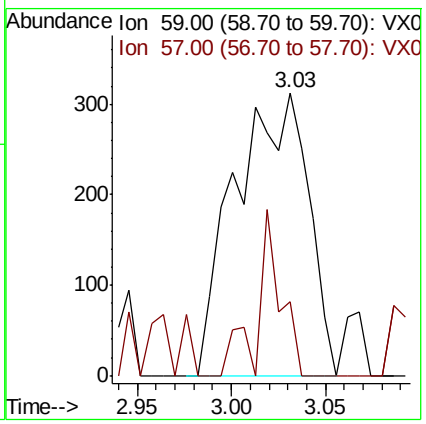


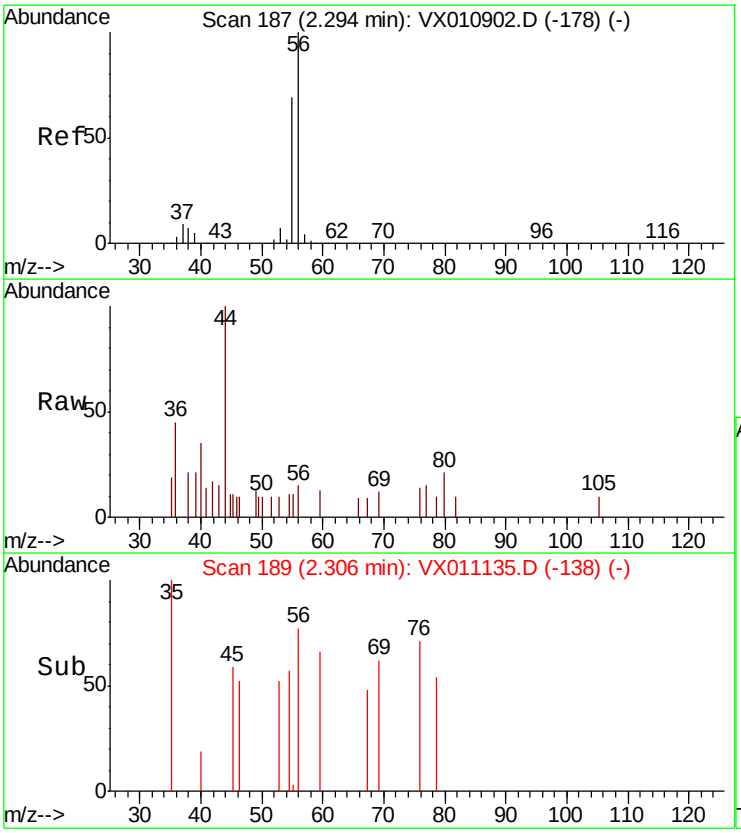

#11
Tert butyl alcohol
Concen: 1.764 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 59 Resp: 843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 19.1 | 7.9 | 11.9# |

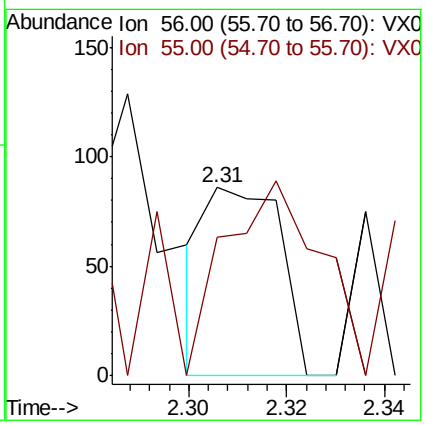


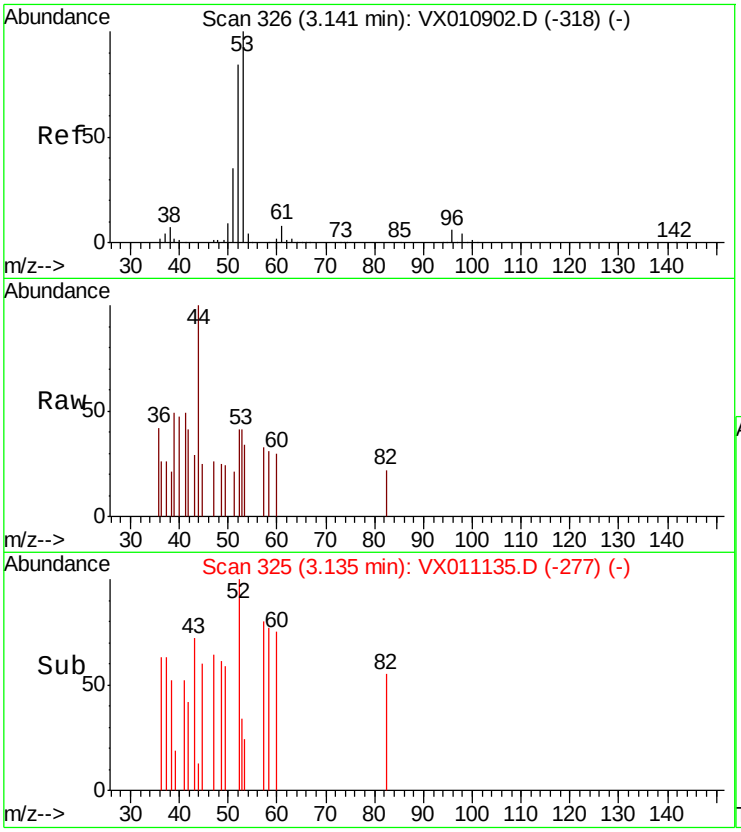




#13
Acrolein
Concen: 0.326 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 56 Resp: 90

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 133.3 | 55.9 | 83.9# |



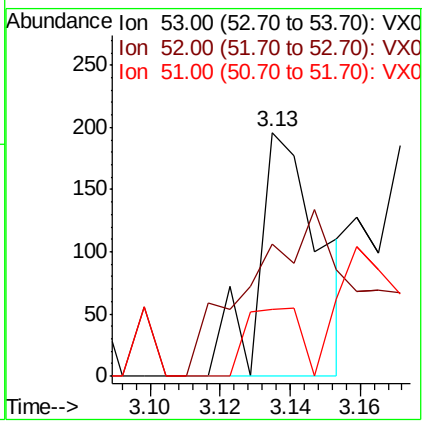


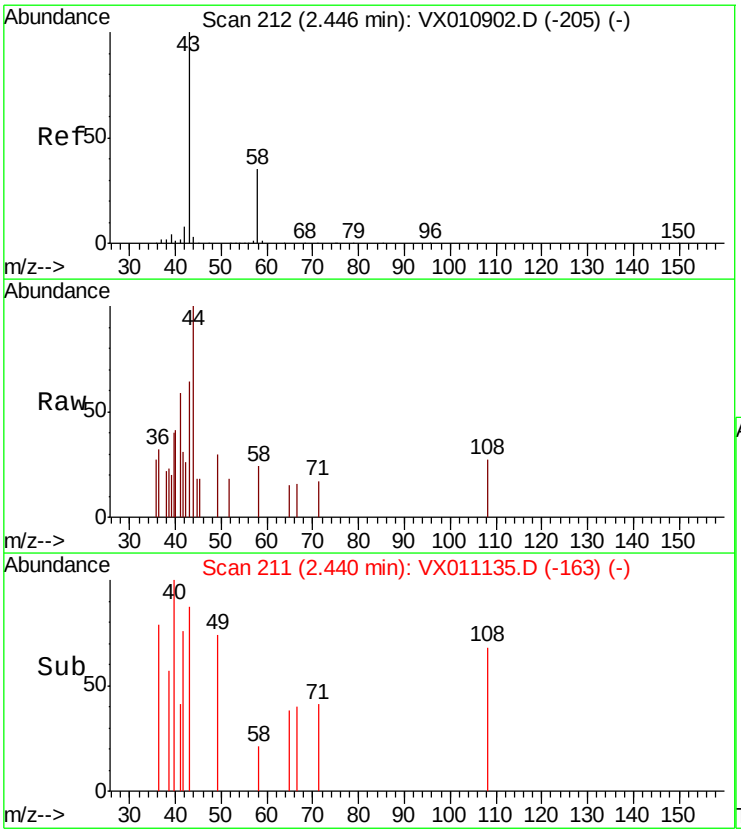

#15
Acrylonitrile
Concen: 0.249 ug/l
RT: 3.13 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Tgt Ion: 53 Resp: 240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 131.3 | 66.5 | 99.7# |
| 51 | 24.6 | 28.2 | 42.4# |

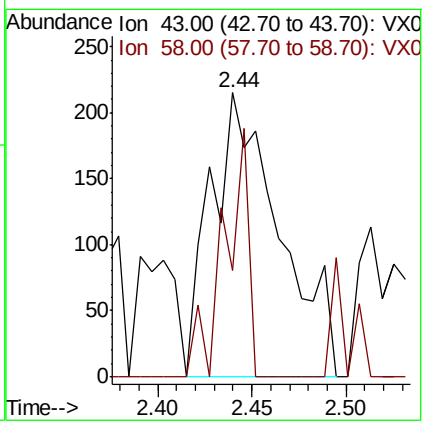


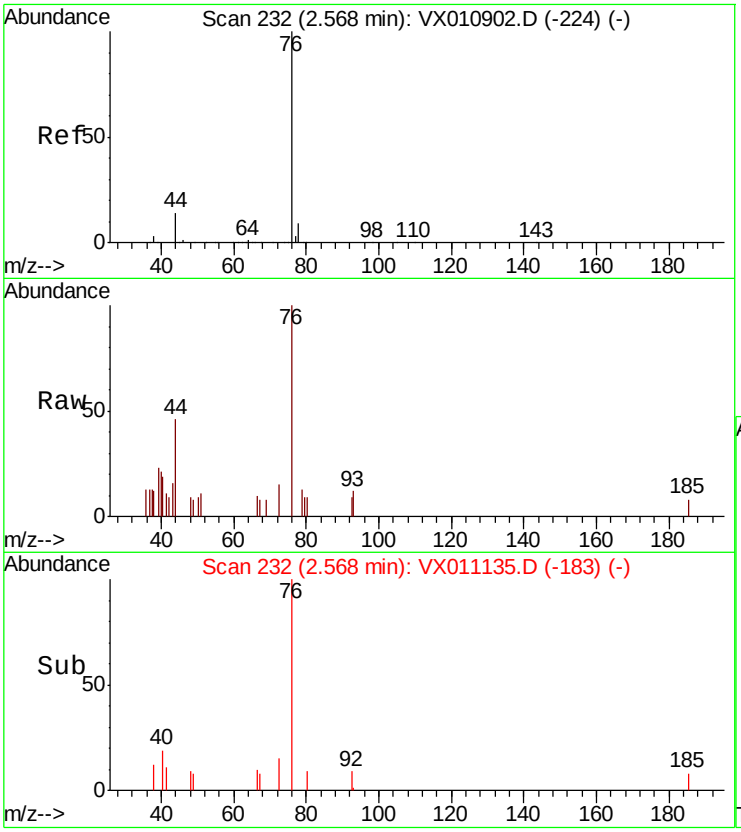




#16
Acetone
Concen: 0.588 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 43 Resp: 545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 27.7 | 41.5 |



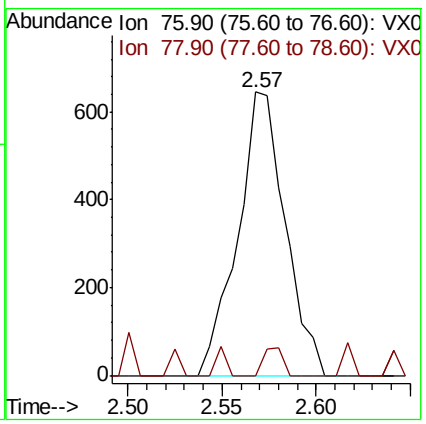


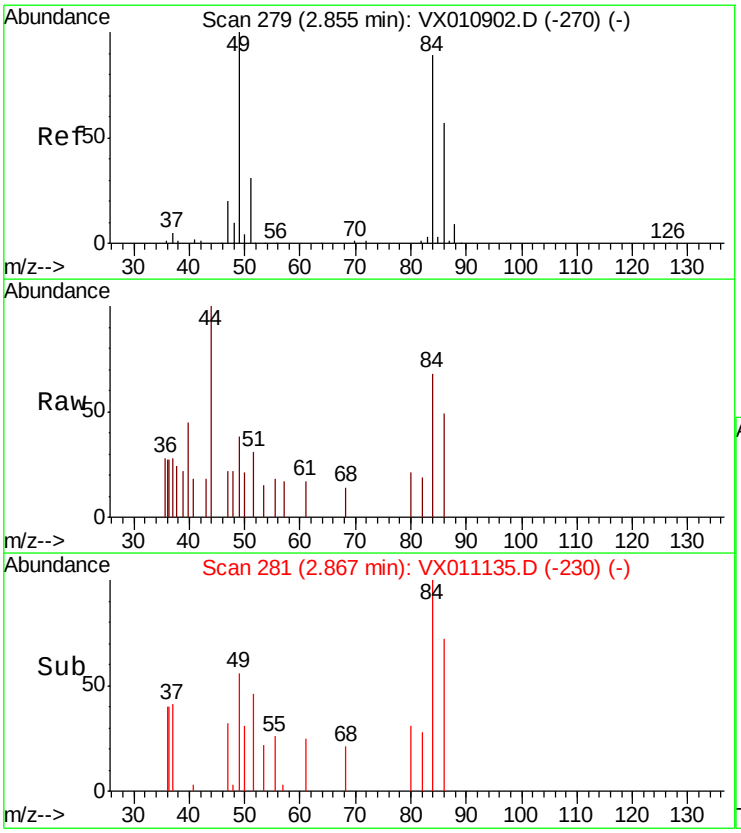

#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Tgt Ion: 76 Resp: 1127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.4 | 11.0# |

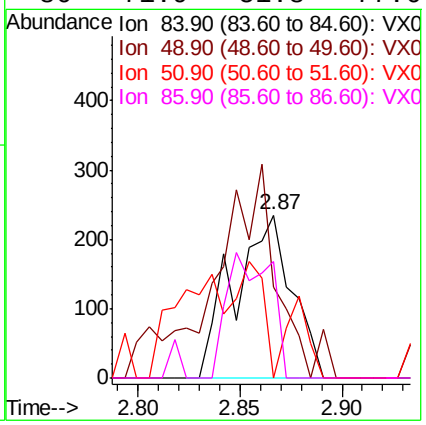


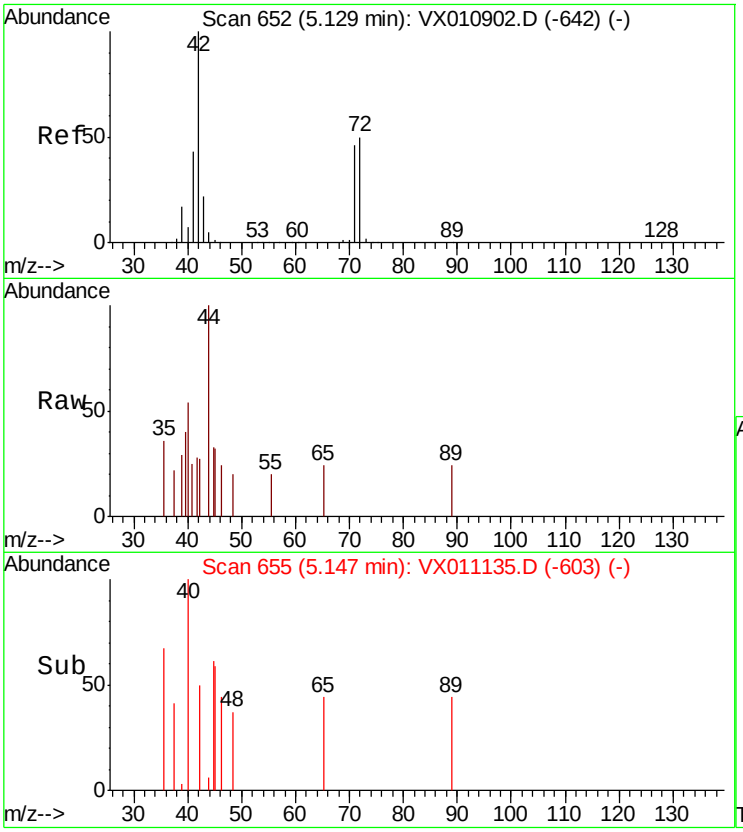




#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 84 Resp: 466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 56.2 | 89.9 | 134.9# |
| 51 | 46.0 | 27.8 | 41.6# |
| 86 | 71.9 | 51.8 | 77.6 |



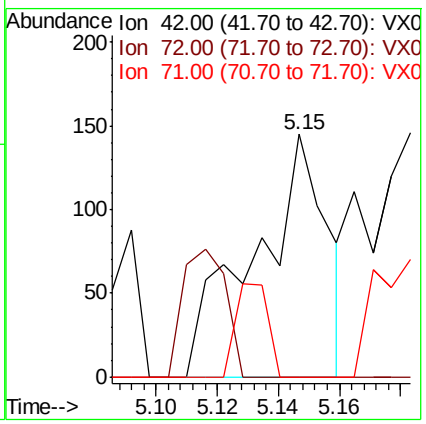


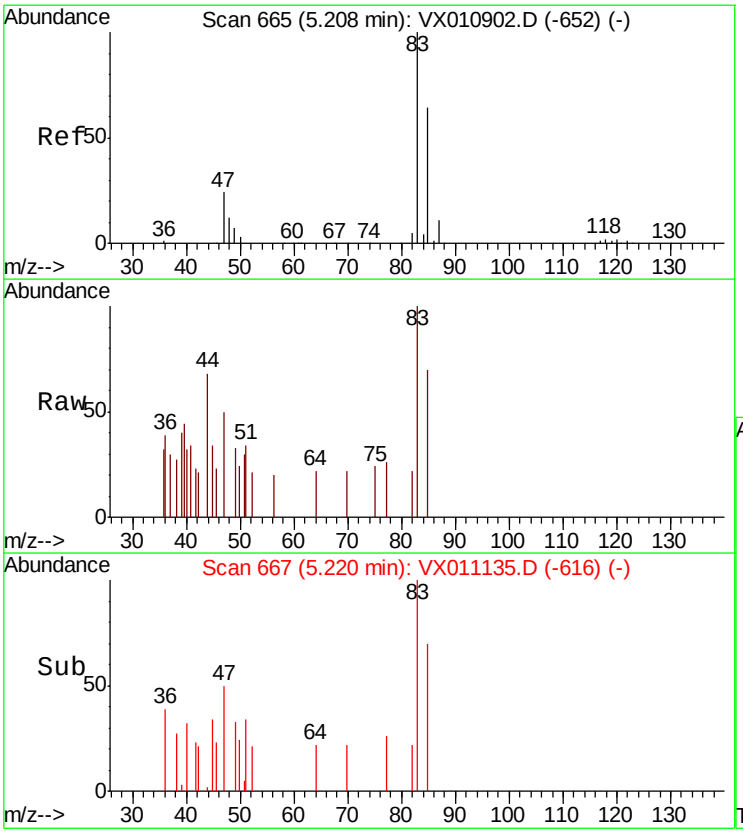

#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 42 Resp: 240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 39.8 | 59.8# |
| 71 | 0.0 | 37.0 | 55.4# |

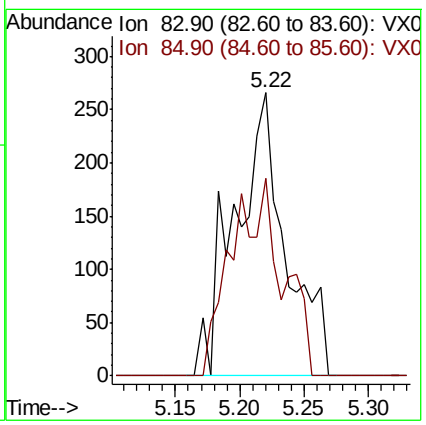


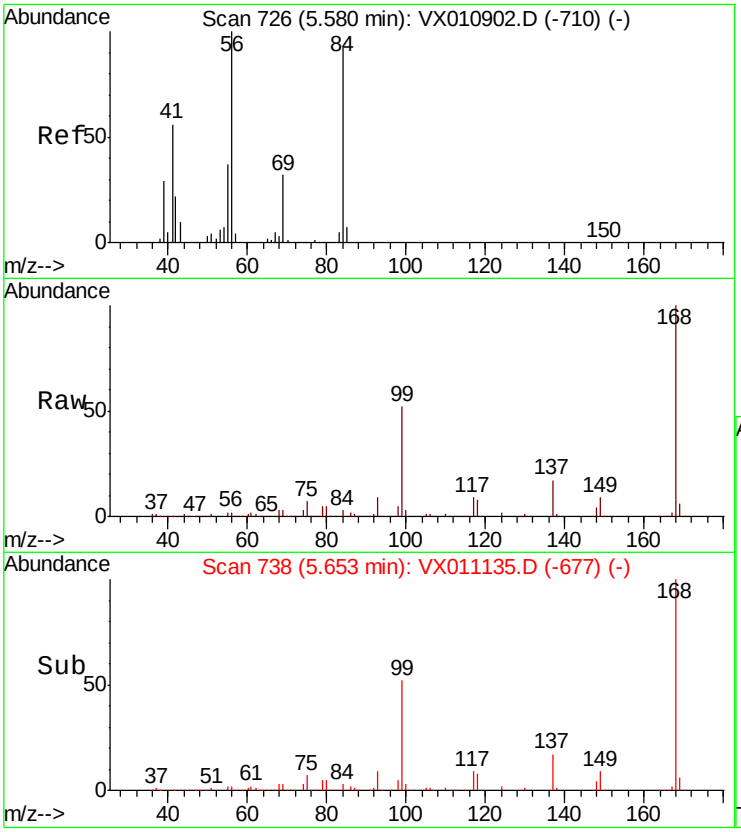




#30
Chloroform
Concen: 0.220 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 83 Resp: 726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.5 | 51.4 | 77.0 |



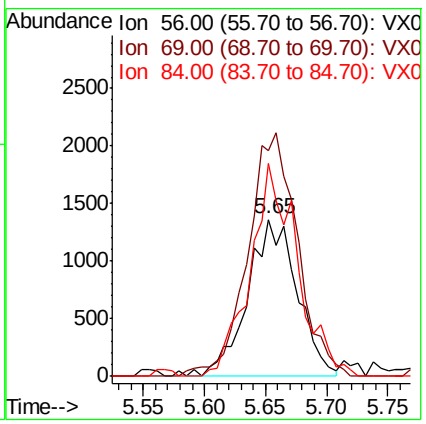


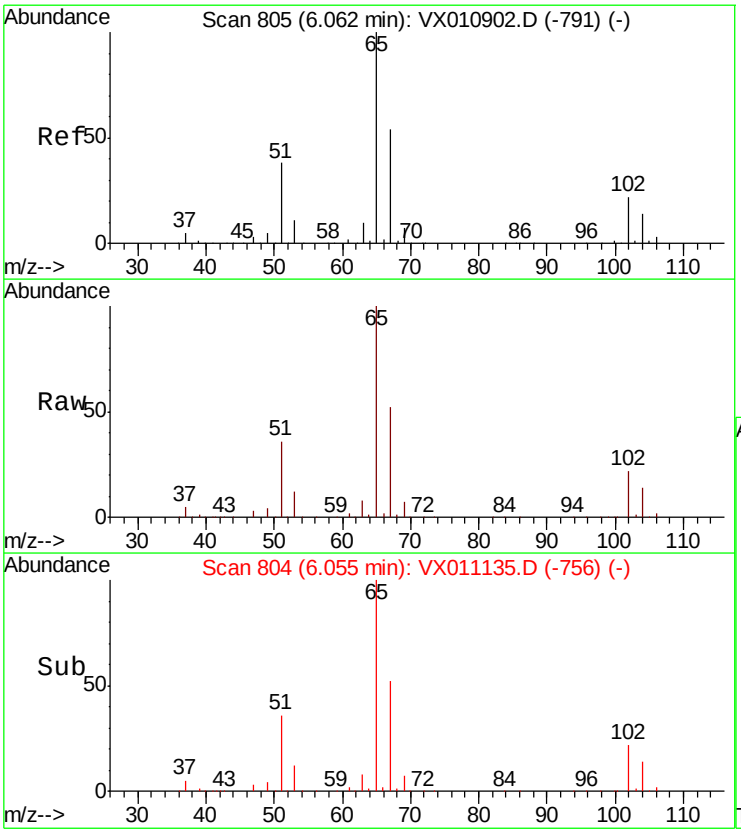

#31
Cyclohexane
Concen: 1.387 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Tgt Ion: 56 Resp: 3863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 139.7 | 25.8 | 38.8# |
| 84 | 135.5 | 73.8 | 110.6# |

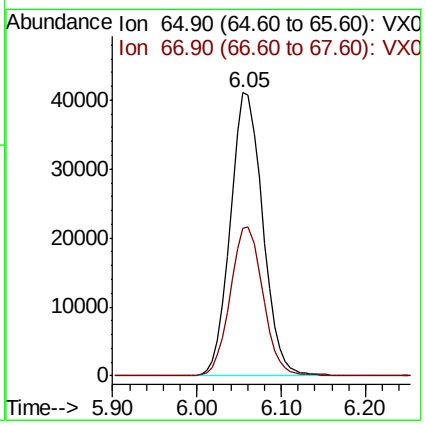


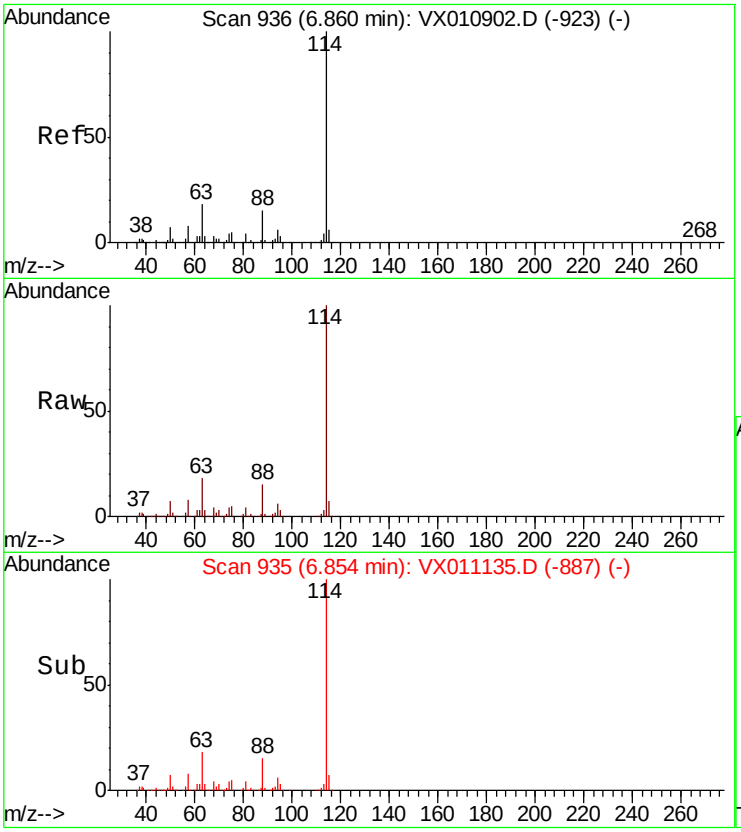




#33
1,2-Dichloroethane-d4
Concen: 52.162 ug/l
RT: 6.05 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 65 Resp: 107019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 107.8 |



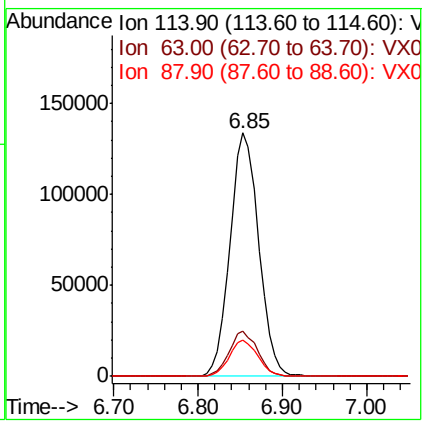


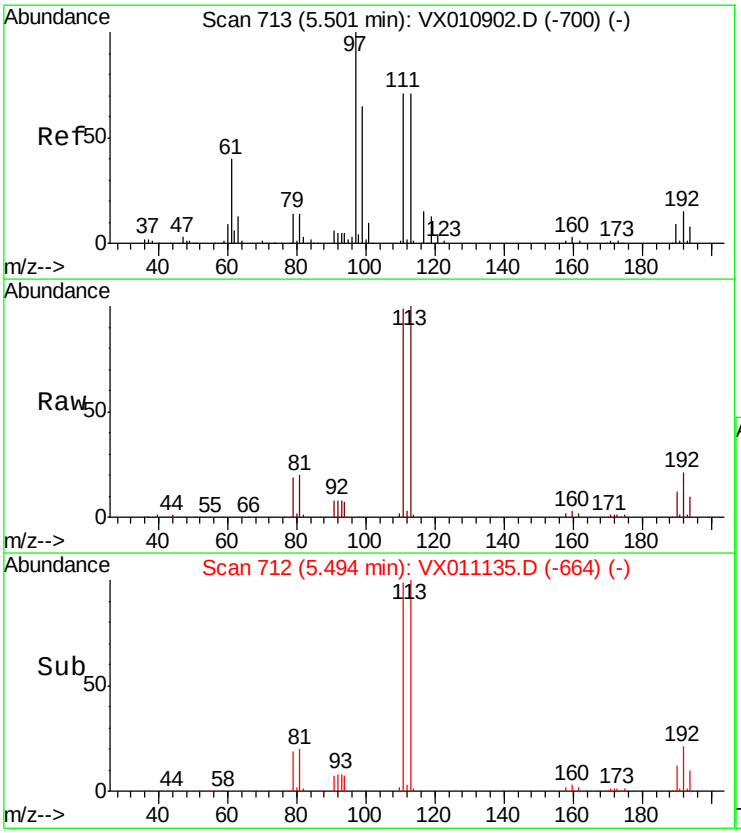

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion:114 Resp: 308355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 35.6 |
| 88 | 14.7 | 0.0 | 29.8 |

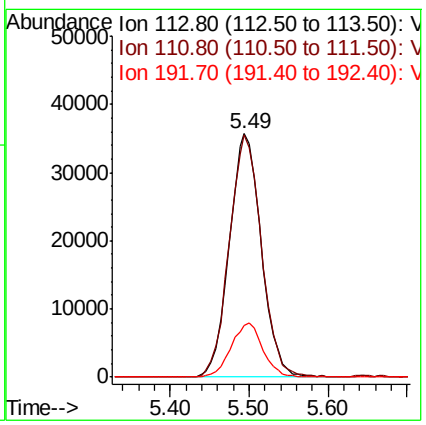


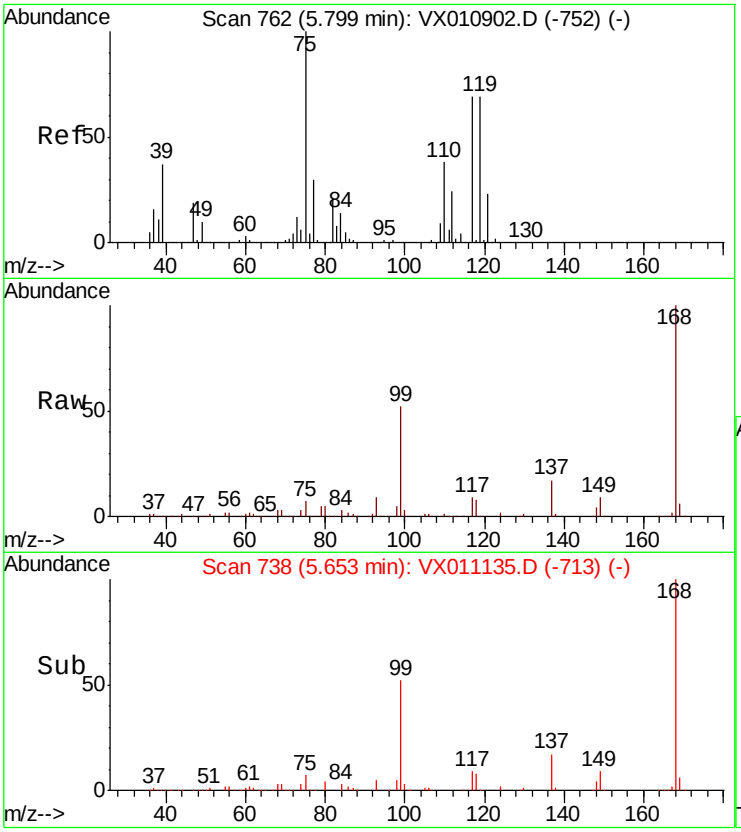




#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion:113 Resp: 100350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.0 | 82.3 | 123.5 |
| 192 | 22.0 | 17.4 | 26.2 |



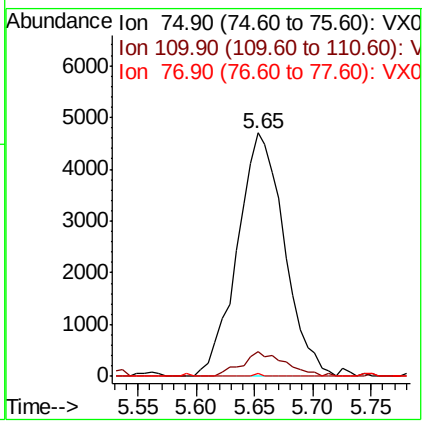


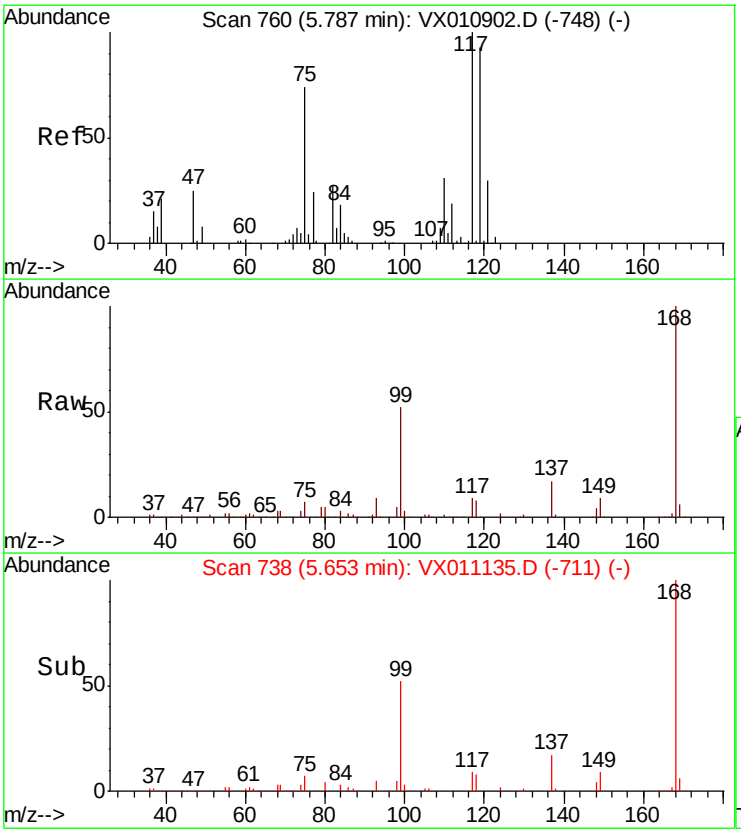

#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 75 Resp: 13157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.5 | 19.9 | 59.7# |
| 77 | 0.1 | 25.0 | 37.4# |

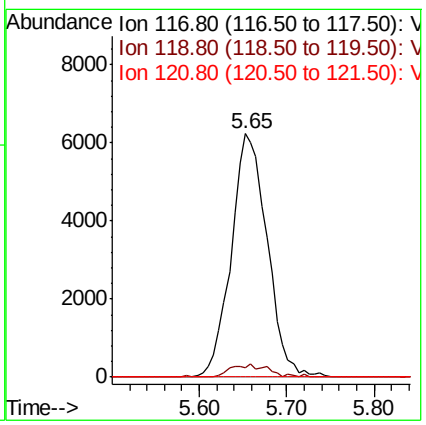


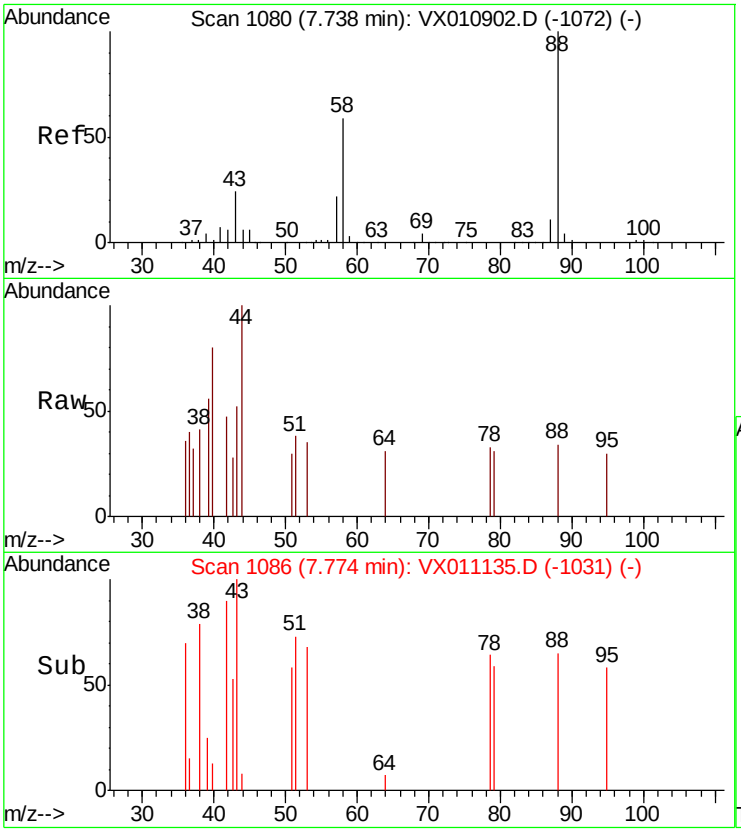




#38
Carbon Tetrachloride
Concen: 6.742 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion:117 Resp: 17795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.6 | 74.2 | 111.2# |
| 121 | 0.0 | 24.2 | 36.2# |



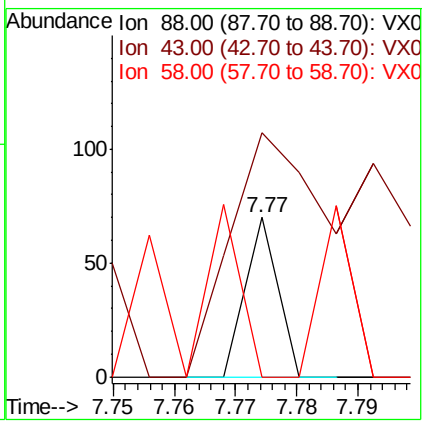


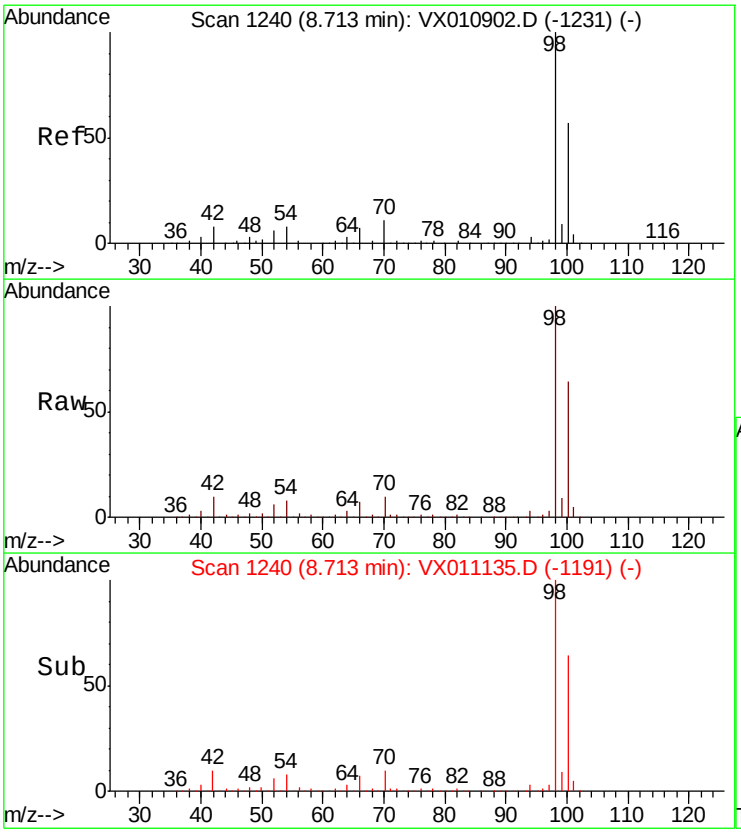

#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion: 88 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 438.5 | 22.9 | 34.3# |
| 58 | 103.8 | 49.8 | 74.8# |

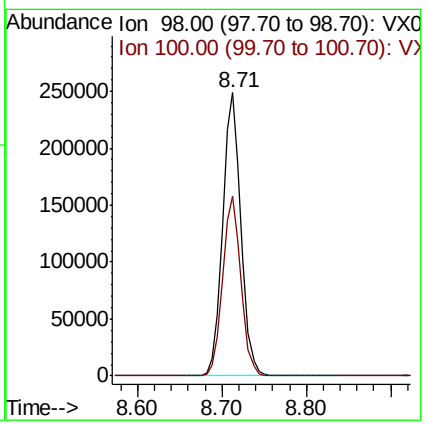


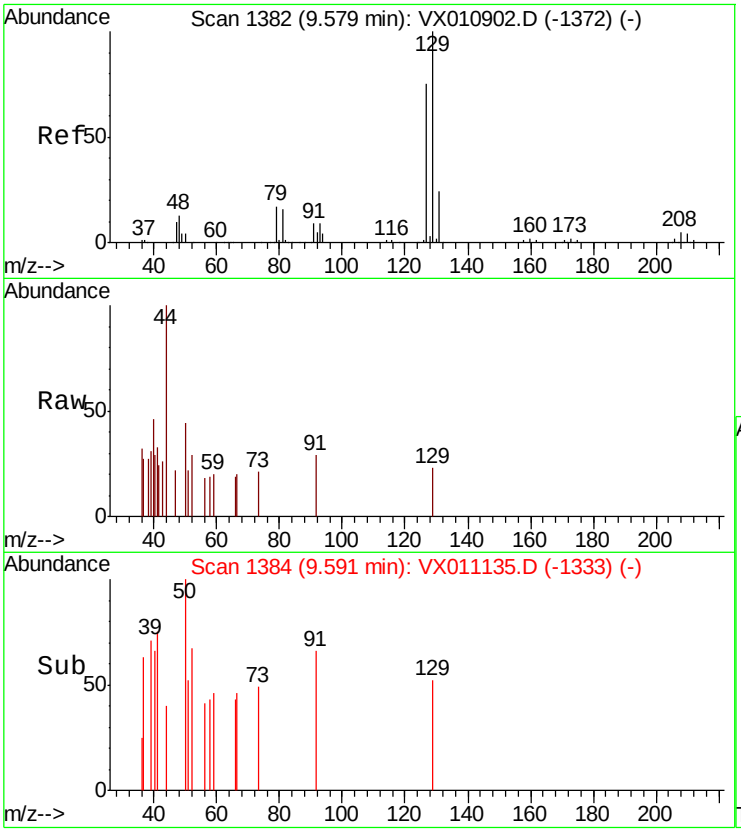




#50
Toluene-d8
Concen: 50.474 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 98 Resp: 370519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.6 | 50.6 | 75.8 |



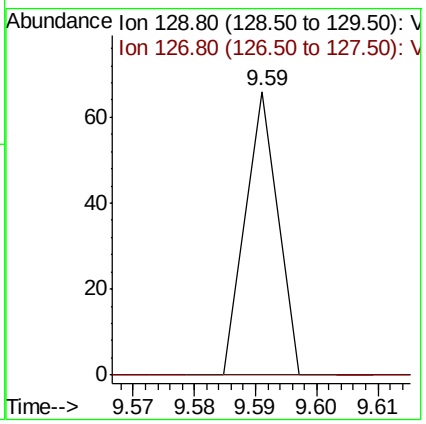


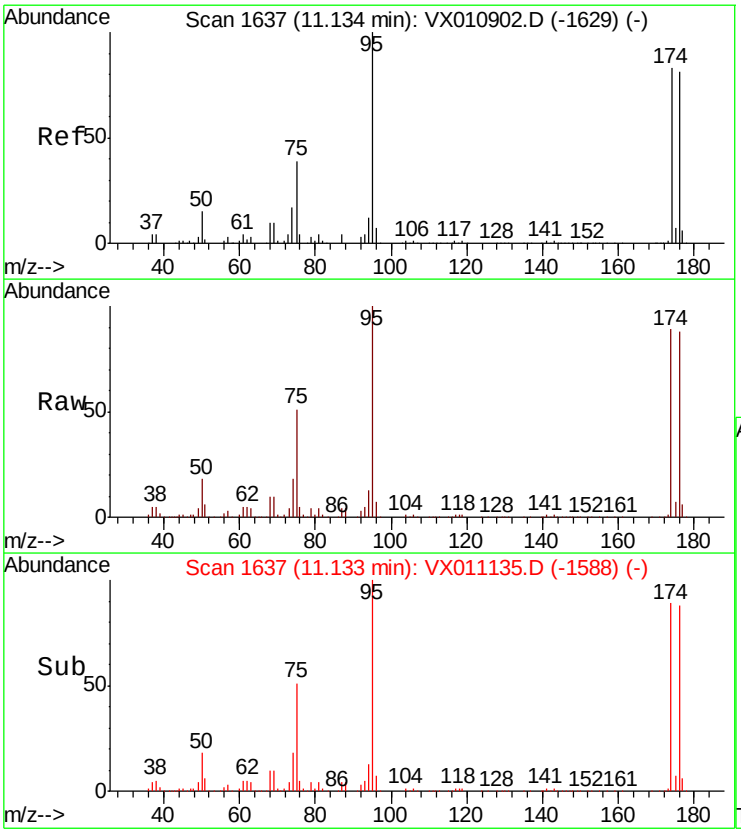

#60
Dibromochloromethane
Concen: 2.537 ug/l
RT: 9.59 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0729WBL01

Tgt Ion:129 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.6 | 115.8# |

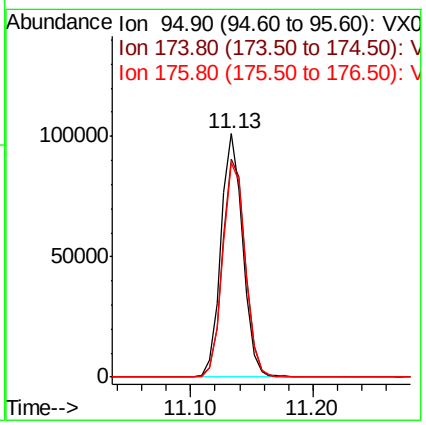


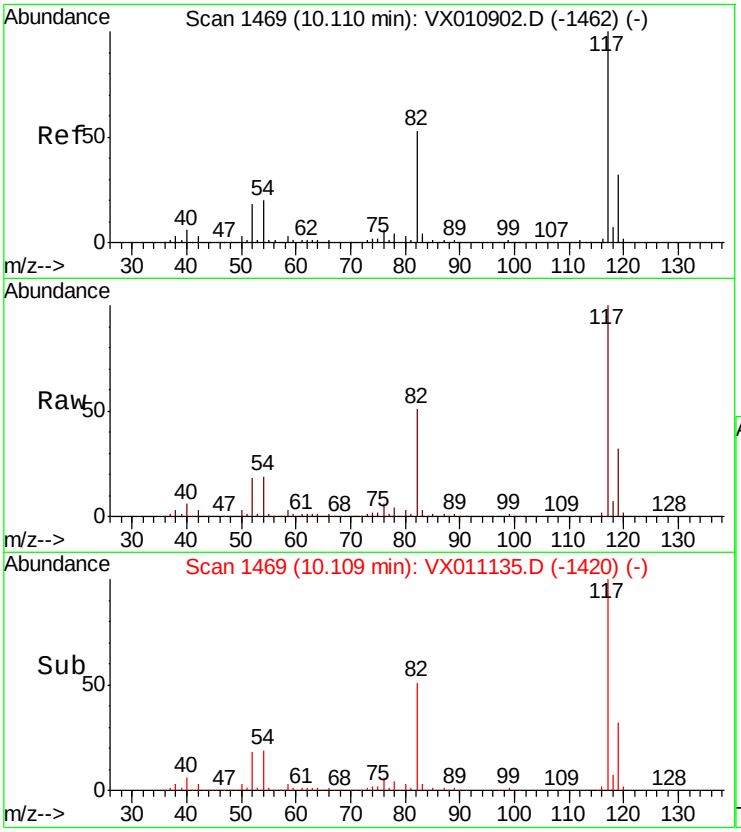




#62
4-Bromofluorobenzene
Concen: 46.470 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 95 Resp: 125387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.7 | 0.0 | 180.6 |
| 176 | 90.1 | 0.0 | 173.8 |



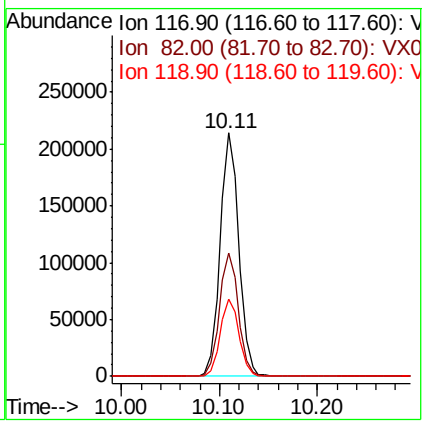


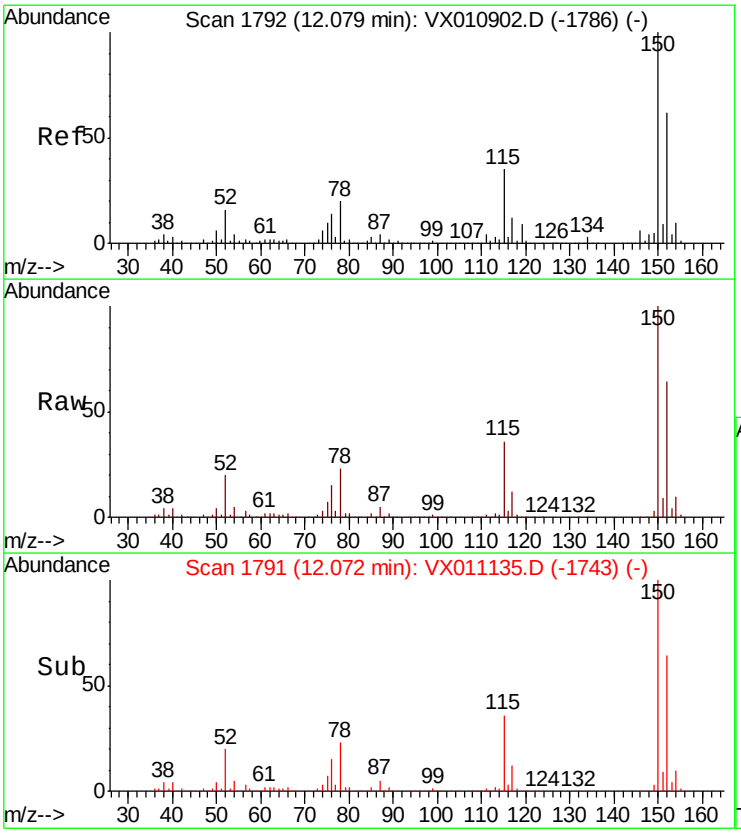

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Tgt Ion:117 Resp: 283863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.6 | 42.6 | 63.8 |
| 119 | 31.7 | 25.9 | 38.9 |

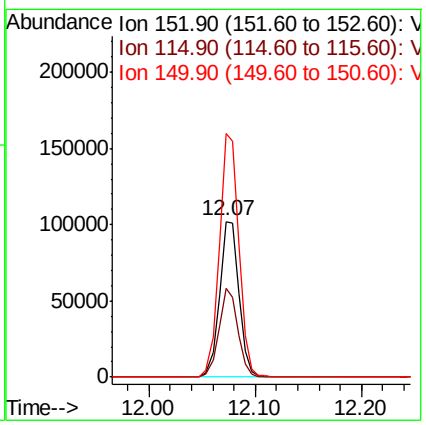


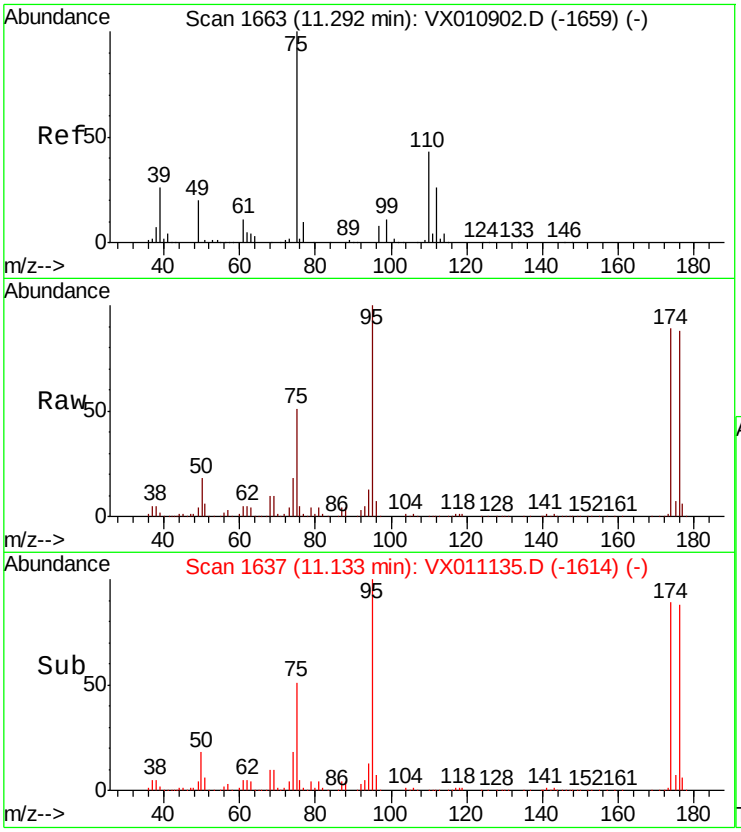




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion:152 Resp: 129857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.3 | 39.7 | 119.1 |
| 150 | 156.9 | 0.0 | 345.6 |



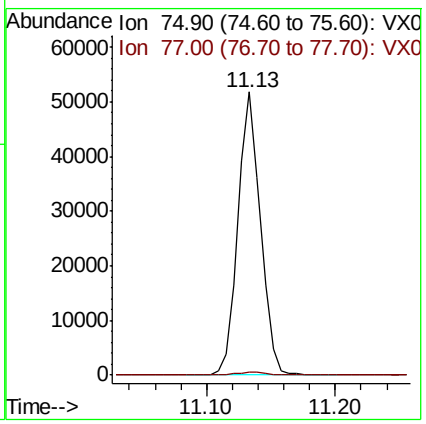


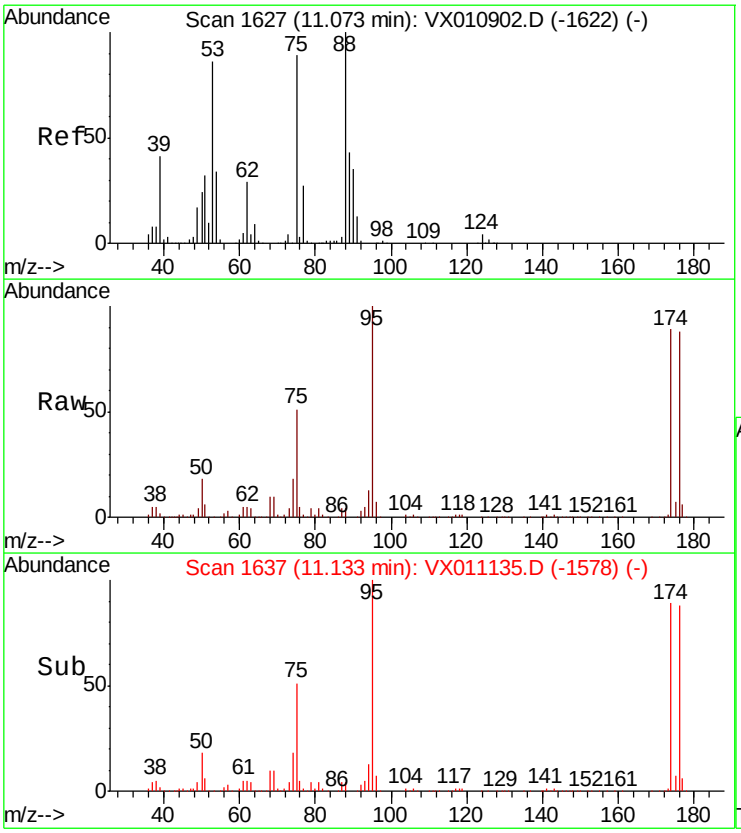

#76
1,2,3-Trichloropropane
Concen: 26.770 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

**Instrument :** MSVOA_X
**ClientSampleId :** VX0729WBL01

Tgt Ion: 75 Resp: 62730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 21.3 | 64.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 66.403 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 75 Resp: 62730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 76.7 | 115.1# |
| 89 | 0.1 | 38.5 | 57.7# |