Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102519\
Data File : VX013236.D
Acq On : 25 Oct 2019 17:13
Operator : JC/SP
Sample : K5546-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** GW809-20.0-25.0-102419

Quant Time: Oct 25 23:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 74526 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 108590 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 107211 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 62535 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 80336 | 51.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.08% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 60427 | 49.90 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.80% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 214557 | 47.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.62% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 76735 | 43.20 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 302 | 1.216 | ug/l | 92 |
| 5) Bromomethane | 1.64 | 94 | 228 | 0.318 | ug/l | 83 |
| 6) Chloroethane | 1.71 | 64 | 136 | Below Cal | # | 72 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 145 | 0.366 | ug/l # | 52 |
| 10) Methyl Iodide | 2.51 | 142 | 390 | 3.758 | ug/l # | 90 |
| 11) Tert butyl alcohol | 3.01 | 59 | 1589 | 3.652 | ug/l # | 72 |
| 16) Acetone | 2.44 | 43 | 3722 | 5.068 | ug/l # | 83 |
| 17) Carbon Disulfide | 2.56 | 76 | 1371 | 0.402 | ug/l # | 90 |
| 18) Methyl Acetate | 2.75 | 43 | 74 | 1.014 | ug/l # | 49 |
| 19) Methyl tert-butyl Ether | 3.19 | 73 | 965 | 0.216 | ug/l | 97 |
| 20) Methylene Chloride | 2.84 | 84 | 316 | 0.517 | ug/l # | 65 |
| 21) trans-1,2-Dichloroethene | 3.15 | 96 | 163 | 0.598 | ug/l # | 57 |
| 25) 2-Butanone | 4.68 | 43 | 793 | 0.805 | ug/l # | 52 |
| 30) Chloroform | 5.21 | 83 | 1743 | 0.681 | ug/l # | 83 |
| 31) Cyclohexane | 5.65 | 56 | 1591 | 0.789 | ug/l # | 26 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 5764 | 3.099 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 7840 | 3.906 | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone | 8.71 | 43 | 928 | 0.507 | ug/l # | 1 |
| 52) Toluene | 8.78 | 92 | 8489 | 2.348 | ug/l | 99 |
| 64) Tetrachloroethene | 9.34 | 164 | 138 | Below Cal | # | 45 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 39345 | 26.105 | ug/l # | 39 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 39345 | 71.734 | ug/l # | 10 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 515 | 0.206 | ug/l # | 58 |
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180 | 434 | 0.285 | ug/l # | 85 |

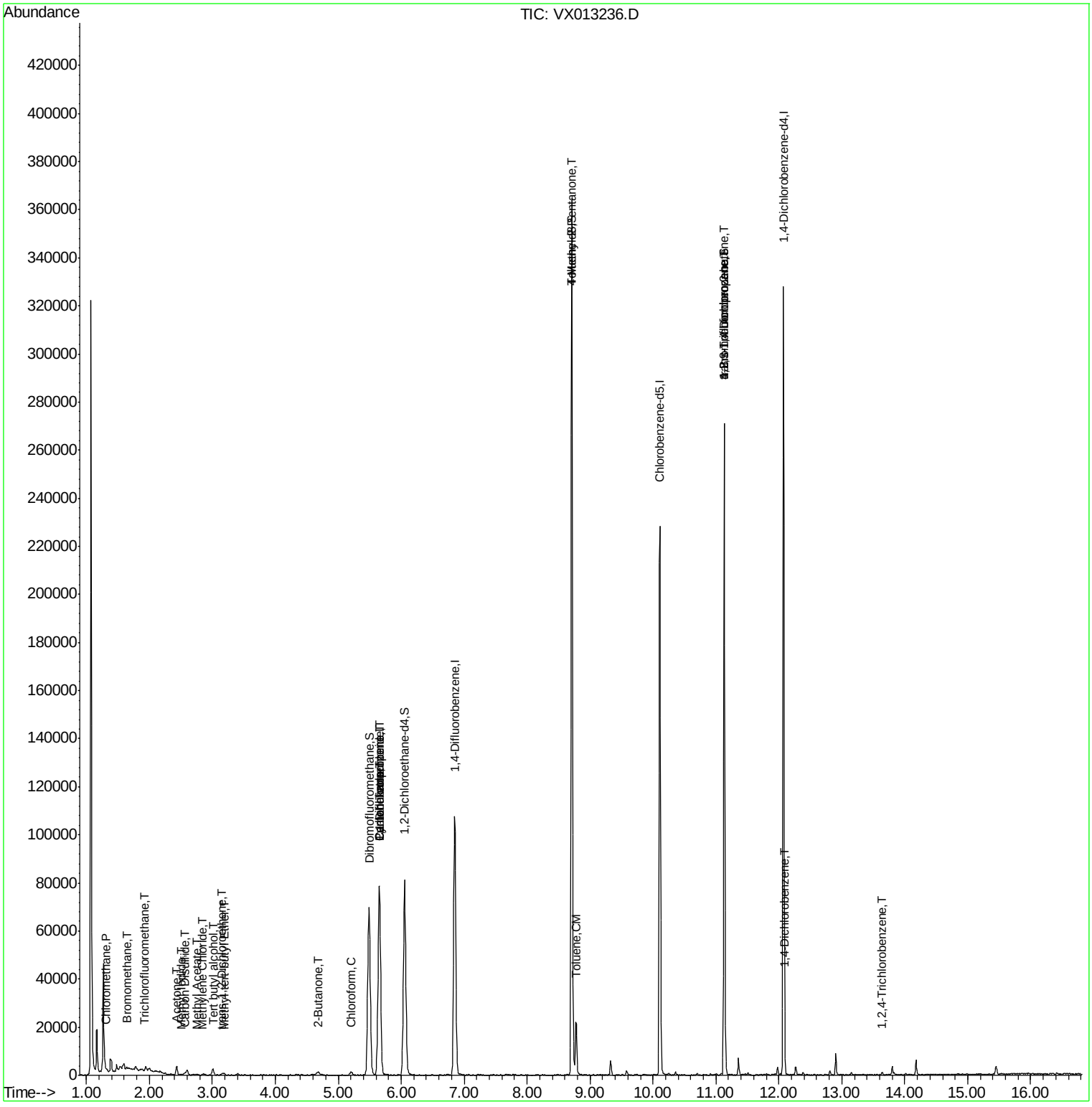
(#) = qualifier out of range (m) = manual integration (+) = signals summed

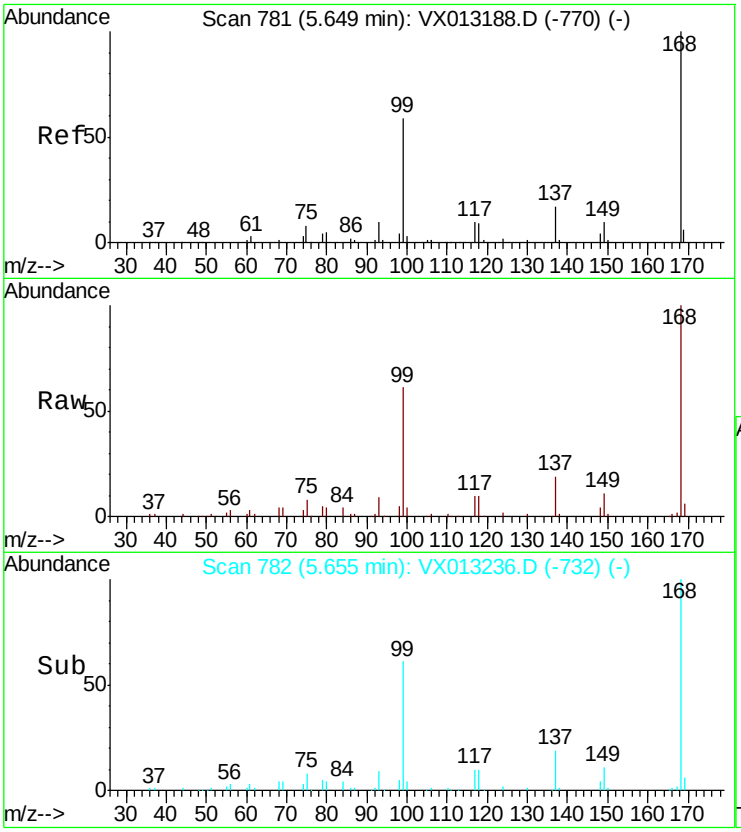
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102519\
Data File : VX013236.D
Acq On : 25 Oct 2019 17:13
Operator : JC/SP
Sample : K5546-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Quant Time: Oct 25 23:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration



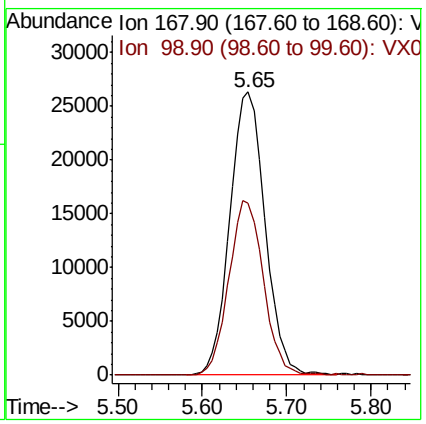


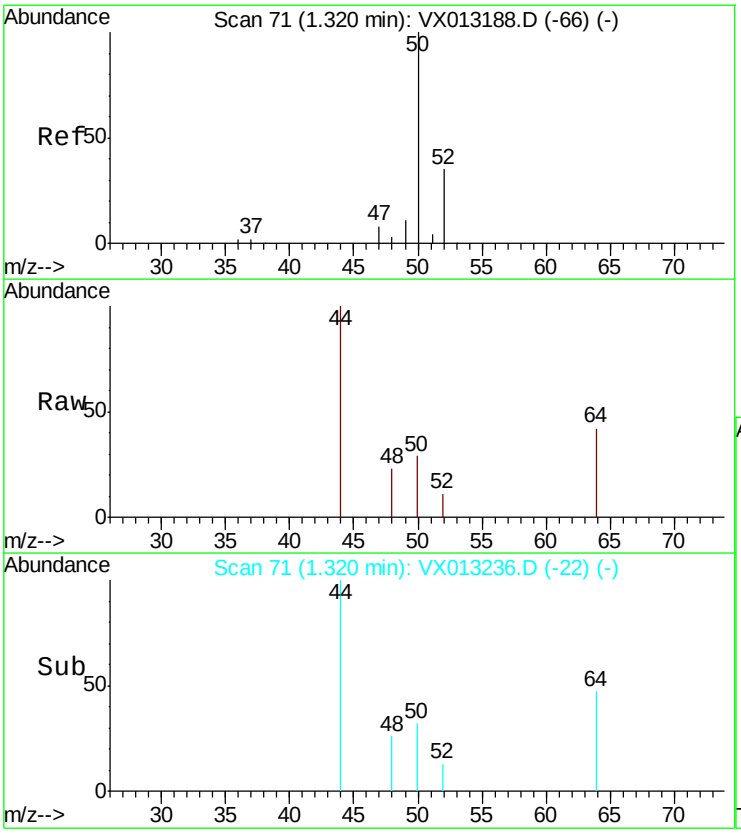

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:168 Resp: 74526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.7 | 47.0 | 70.4 |

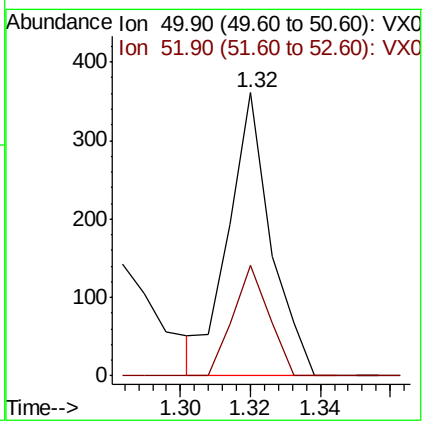


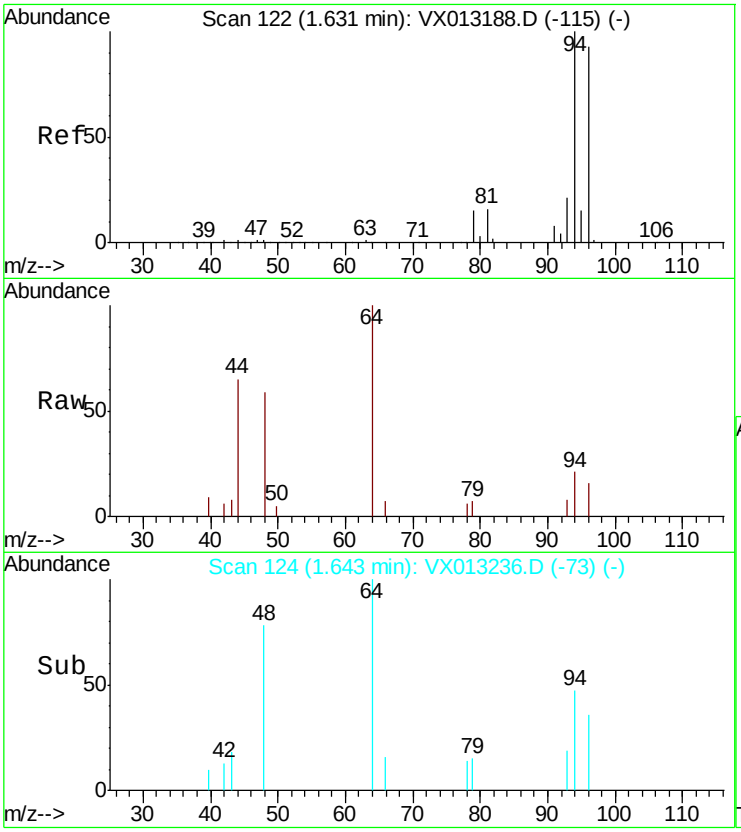




#3
Chloromethane
Concen: 1.216 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 50 Resp: 302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 39.1 | 27.8 | 41.6 |



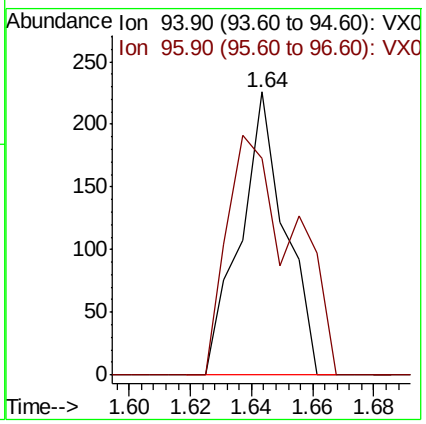


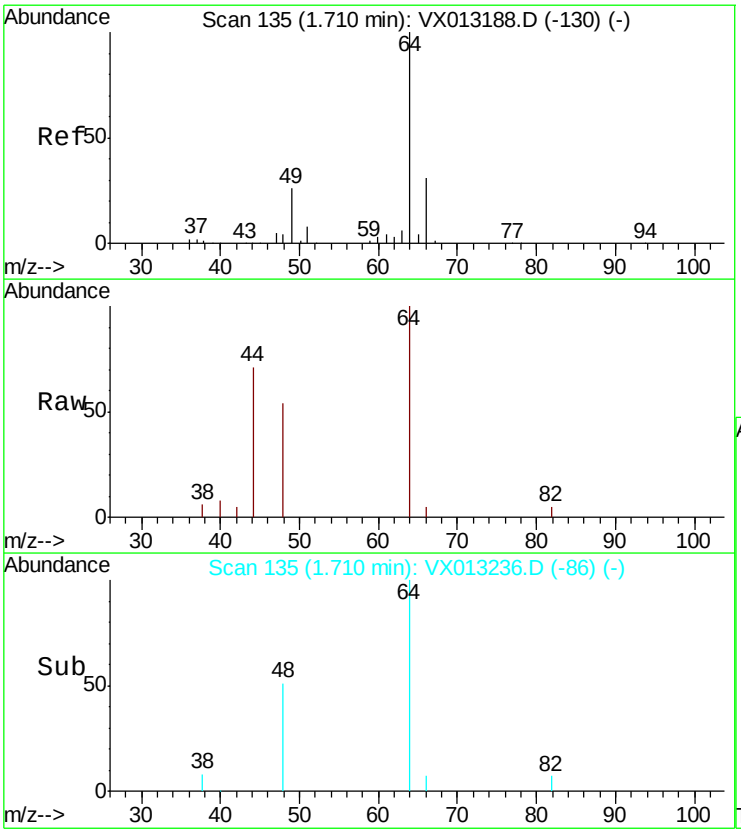

#5
Bromomethane
Concen: 0.318 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 94 Resp: 228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 76.5 | 74.2 | 111.2 |

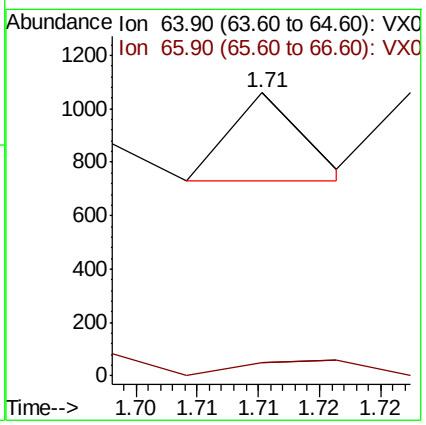


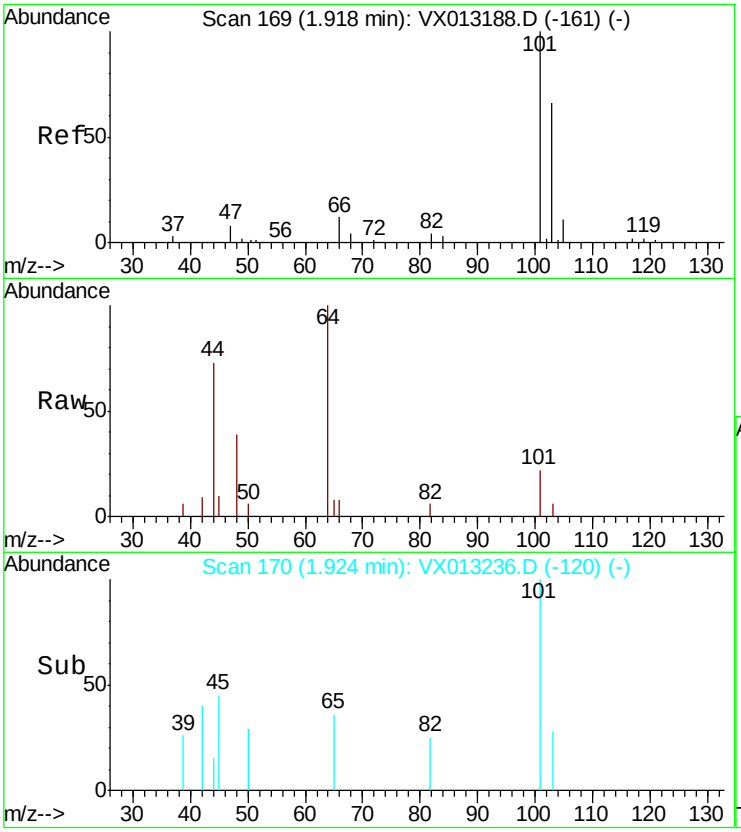




#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 64 Resp: 136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 15.8 | 25.0 | 37.6# |



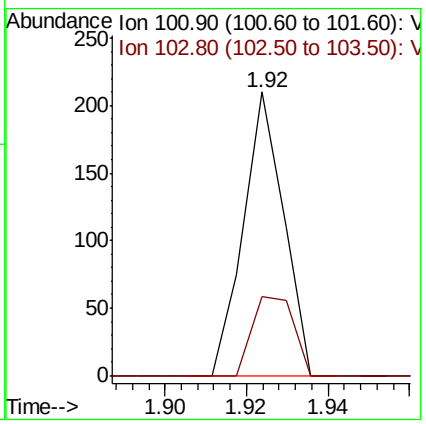


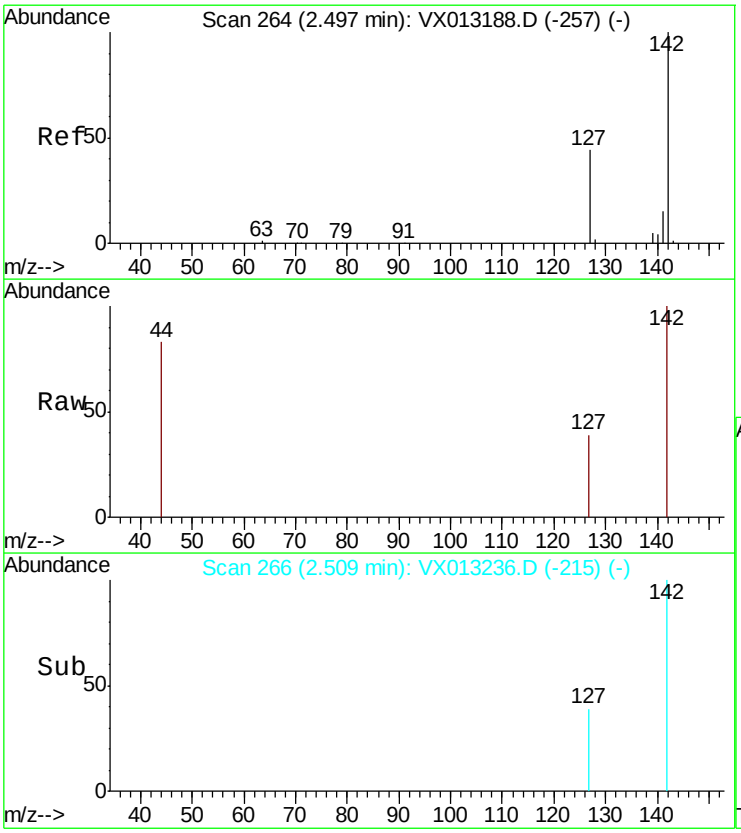

#7
Trichlorofluoromethane
Concen: 0.366 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:101 Resp: 145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 28.1 | 53.0 | 79.6# |

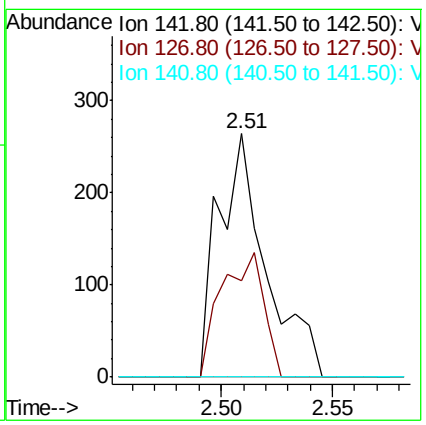


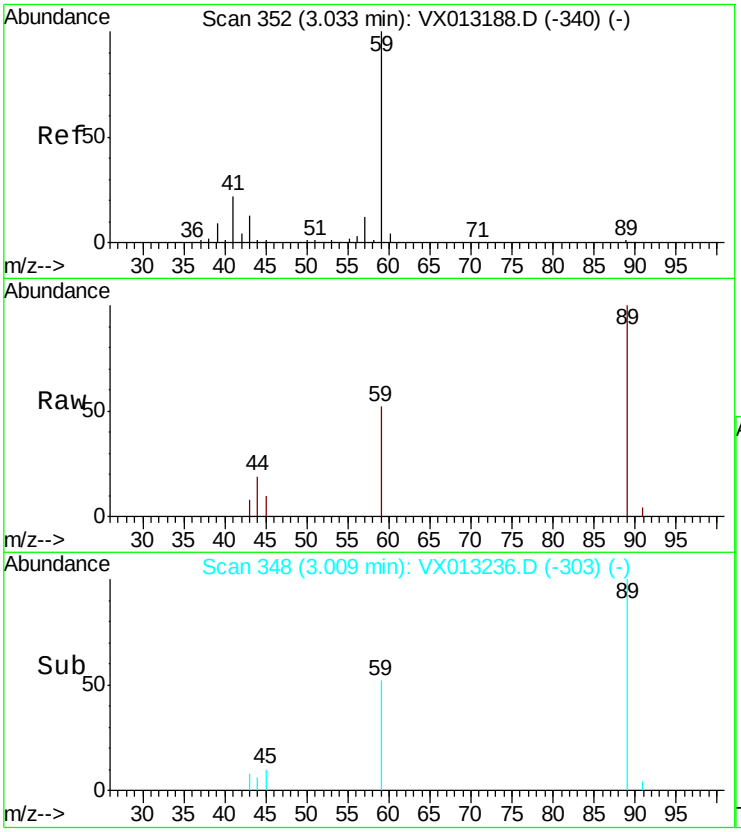




#10
Methyl Iodide
Concen: 3.758 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:142 Resp: 390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.6 | 35.6 | 53.4 |
| 141 | 0.0 | 11.6 | 17.4# |



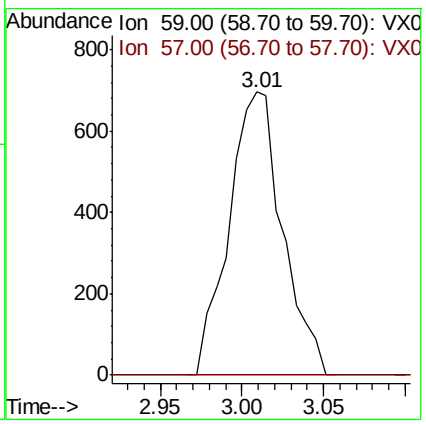


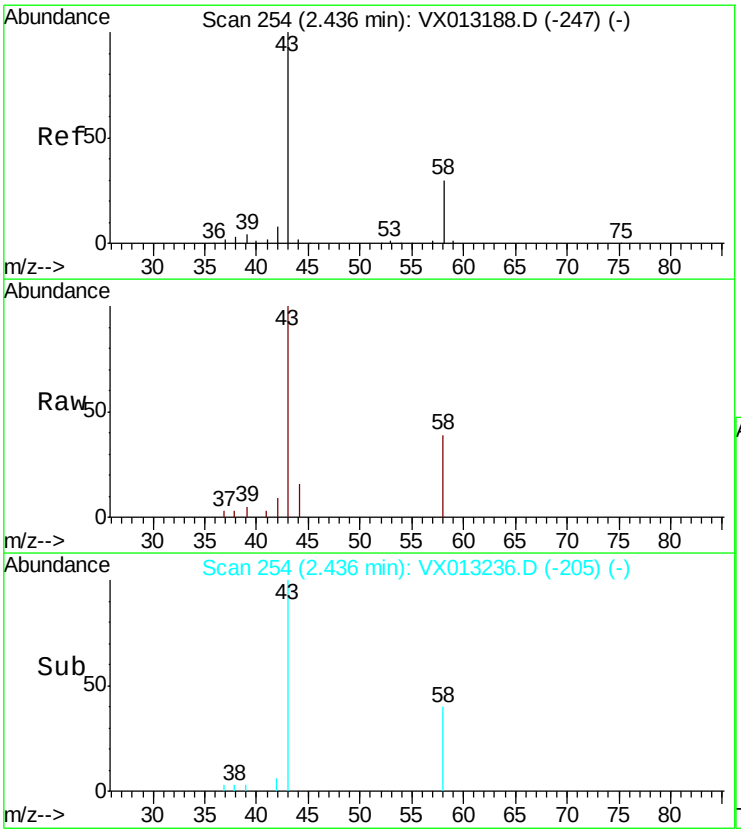

#11
Tert butyl alcohol
Concen: 3.652 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 59 Resp: 1589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.4# |

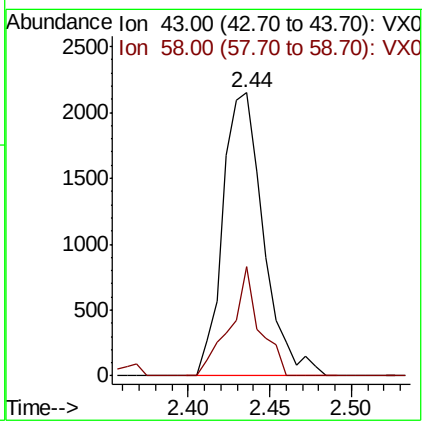


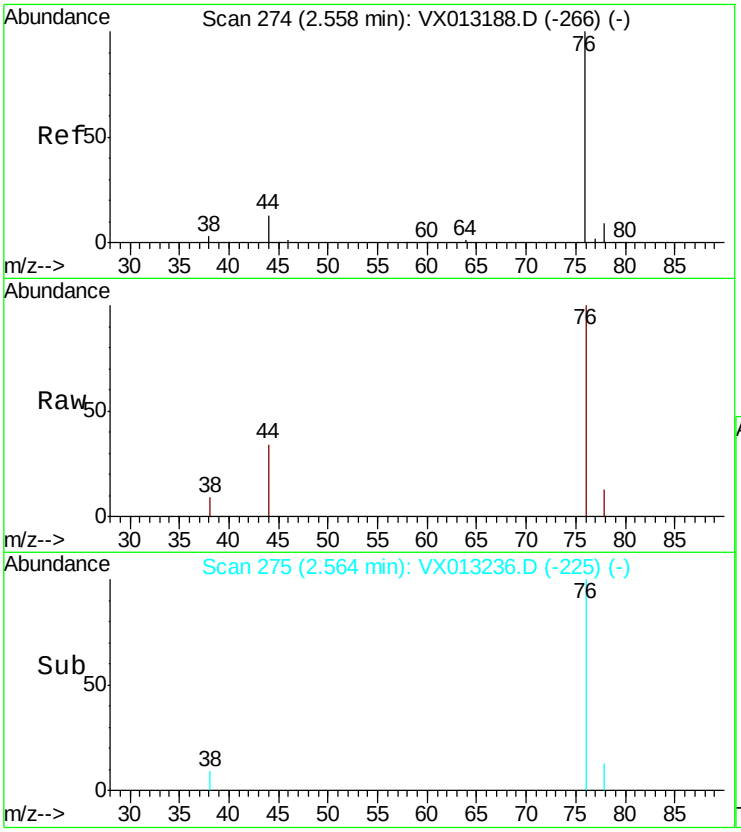




#16
Acetone
Concen: 5.068 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 3722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 23.8 | 35.6# |



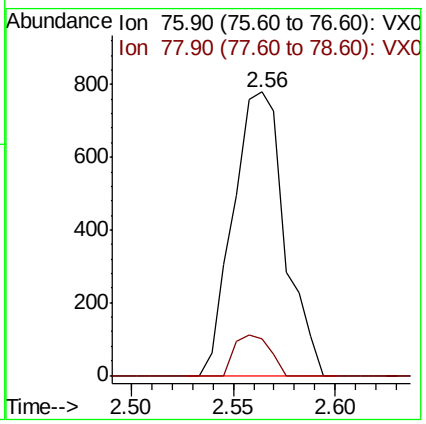


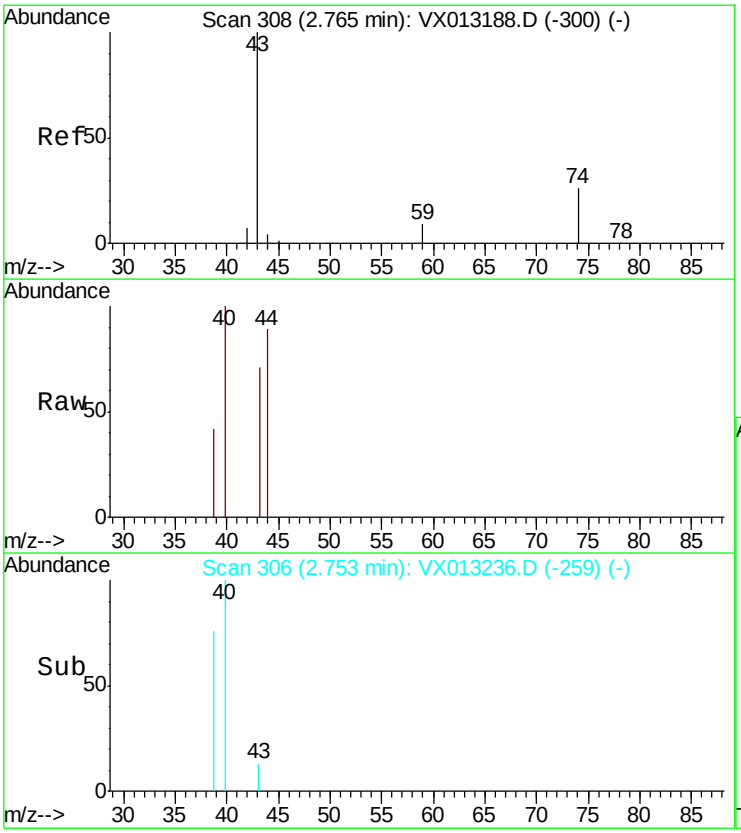

#17
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 76 Resp: 1371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 13.0 | 7.4 | 11.2# |

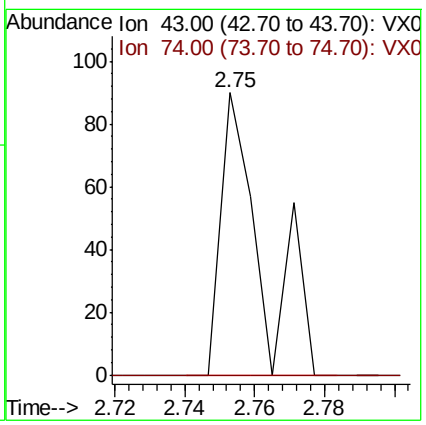


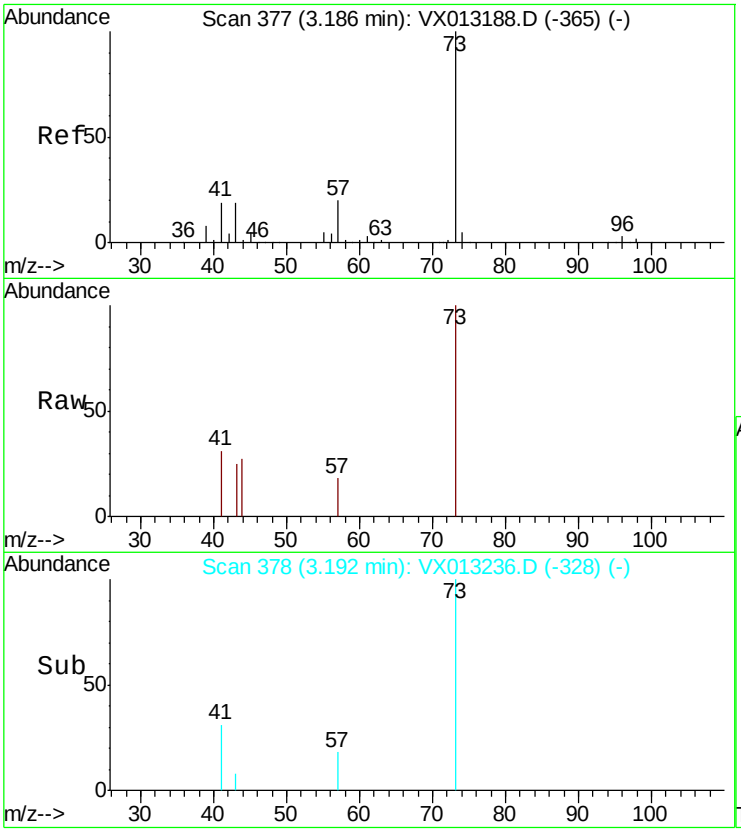




#18
Methyl Acetate
Concen: 1.014 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 74

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 20.9 | 31.3# |



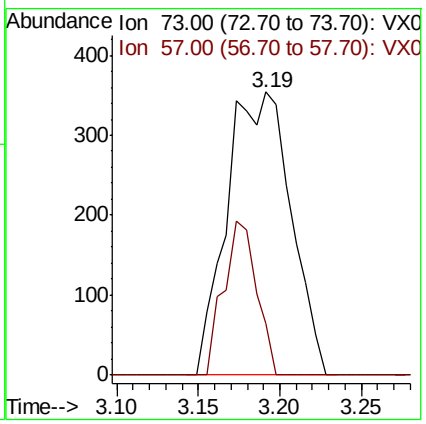


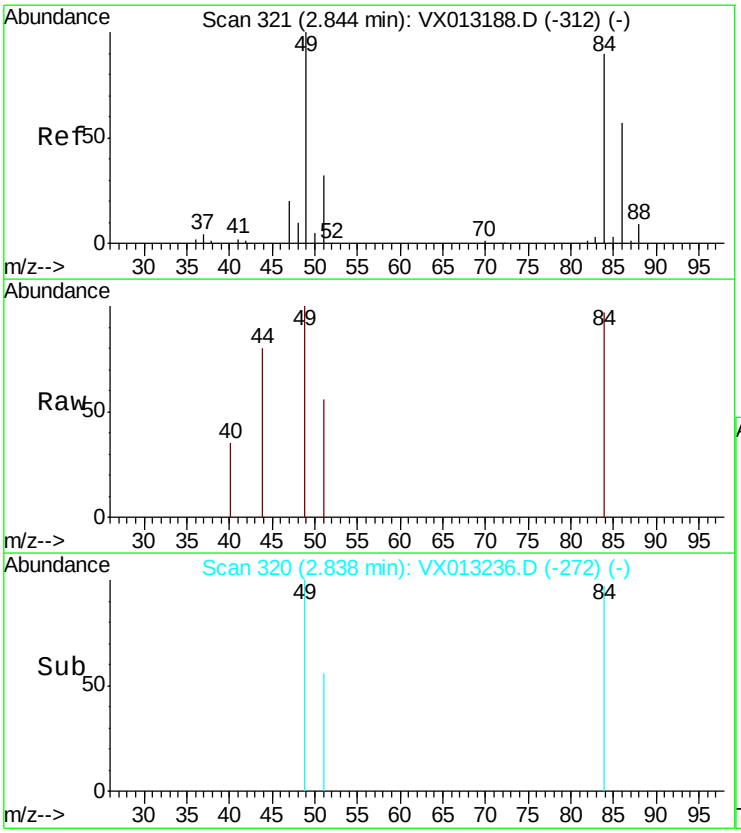

#19
Methyl tert-butyl Ether
Concen: 0.216 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 73 Resp: 965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 18.4 | 15.8 | 23.8 |

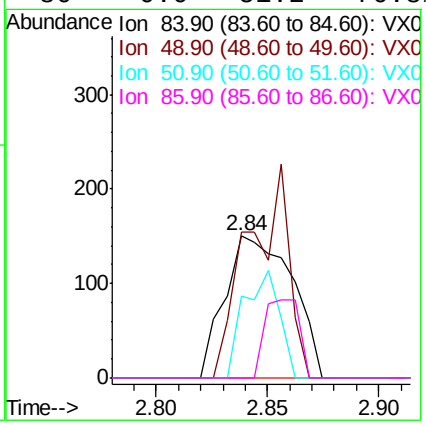


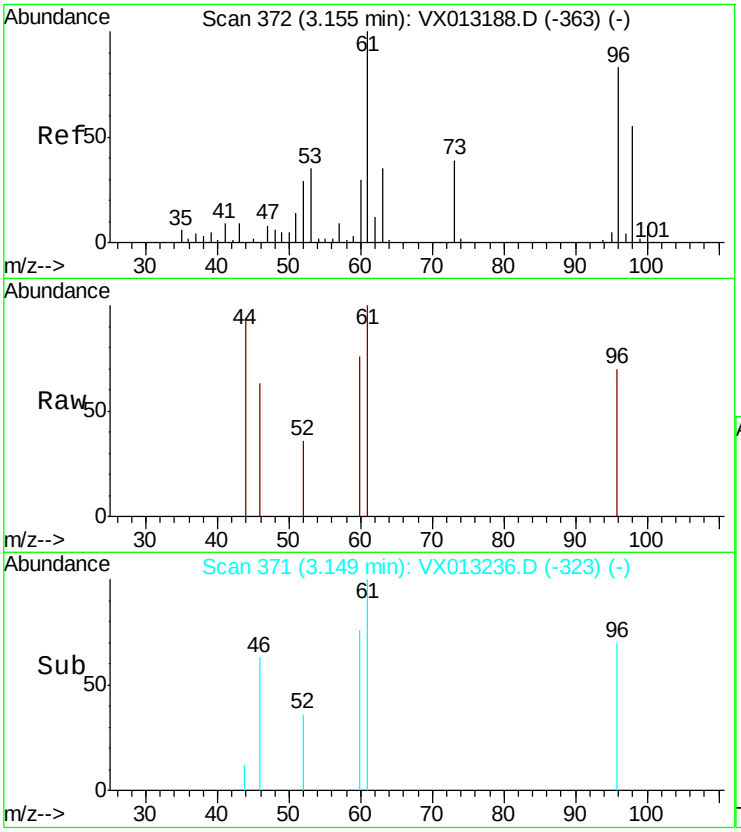




#20
Methylene Chloride
Concen: 0.517 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 84 Resp: 316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 102.6 | 89.2 | 133.8 |
| 51 | 57.6 | 28.8 | 43.2# |
| 86 | 0.0 | 51.2 | 76.8# |



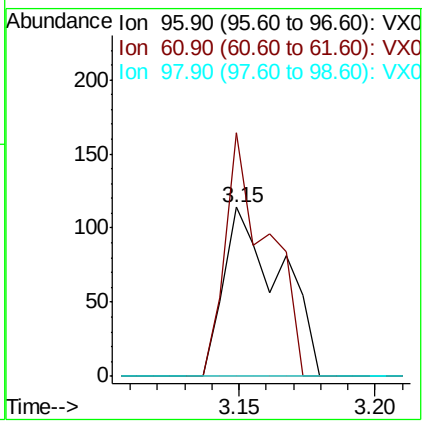


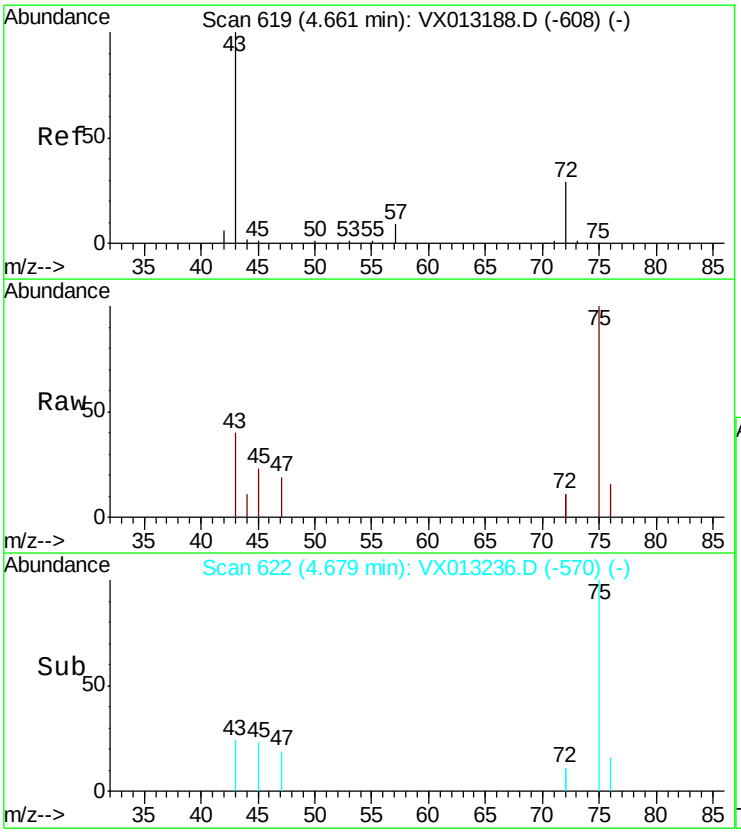

#21
trans-1,2-Dichloroethene
Concen: 0.598 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 96 Resp: 163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.9 | 96.9 | 145.3 |
| 98 | 0.0 | 53.0 | 79.4# |

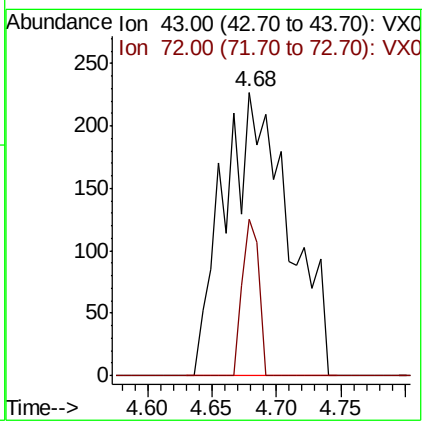


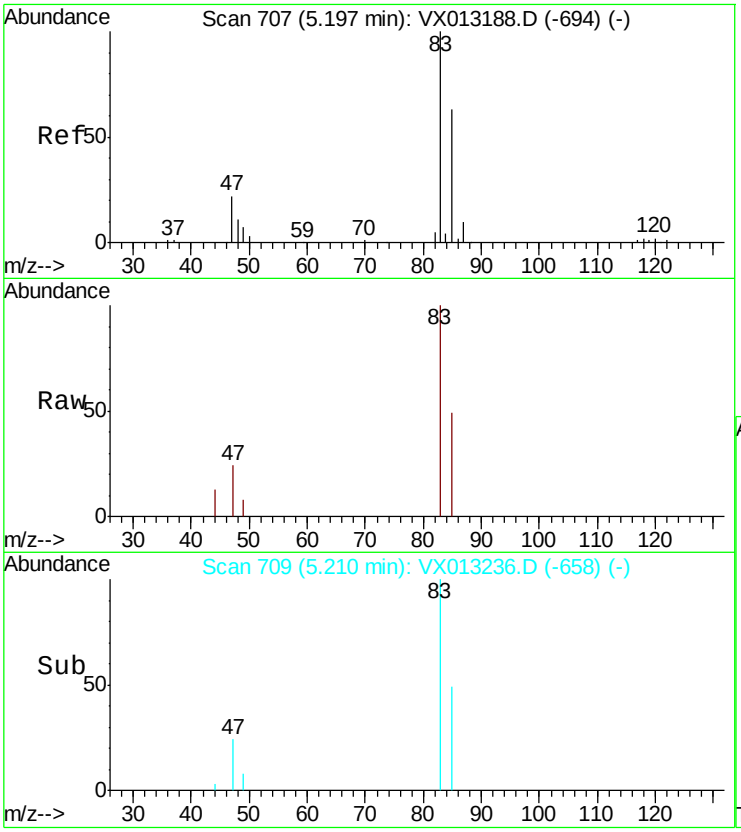




#25
2-Butanone
Concen: 0.805 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 55.1 | 23.4 | 35.2# |



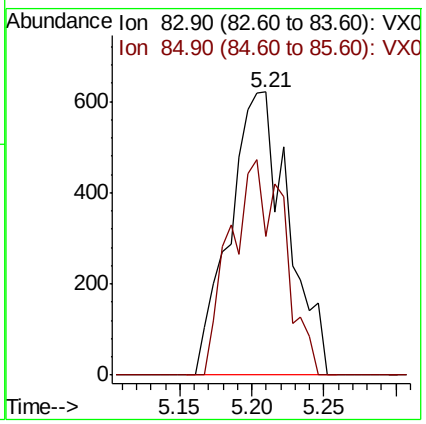


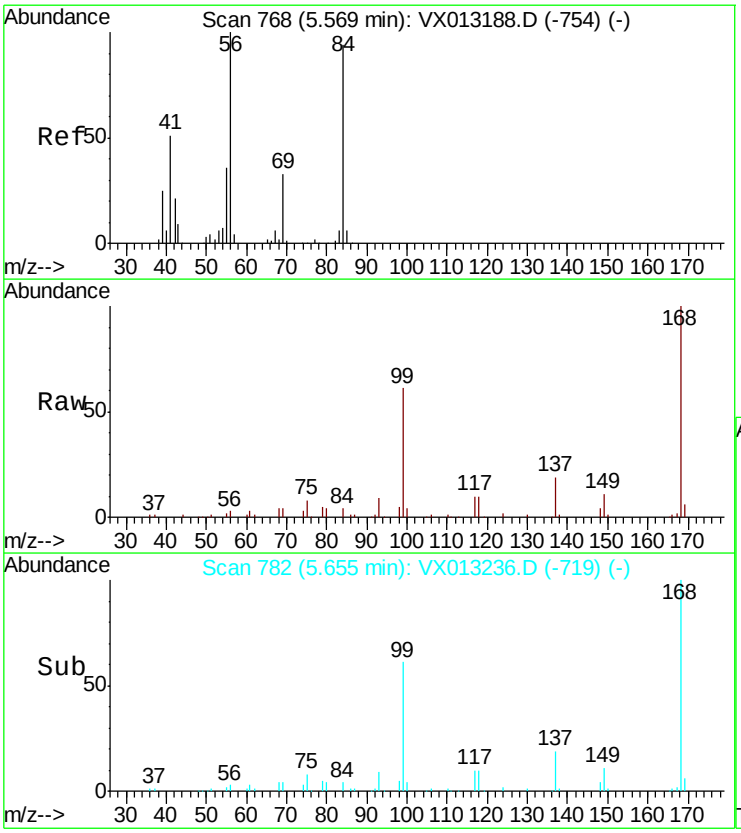

#30
Chloroform
Concen: 0.681 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 83 Resp: 1743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 49.1 | 50.1 | 75.1# |

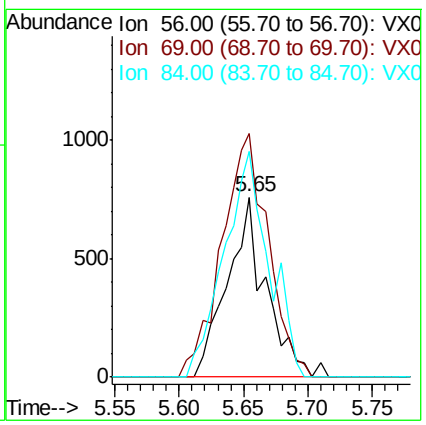


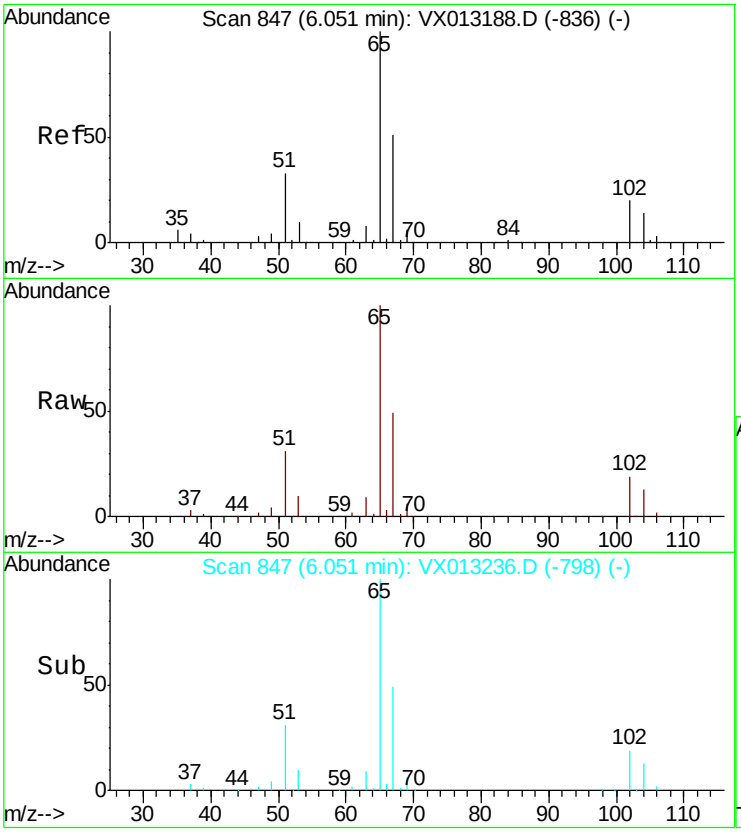




#31
Cyclohexane
Concen: 0.789 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 56 Resp: 1591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 135.4 | 26.3 | 39.5# |
| 84 | 125.8 | 73.8 | 110.6# |



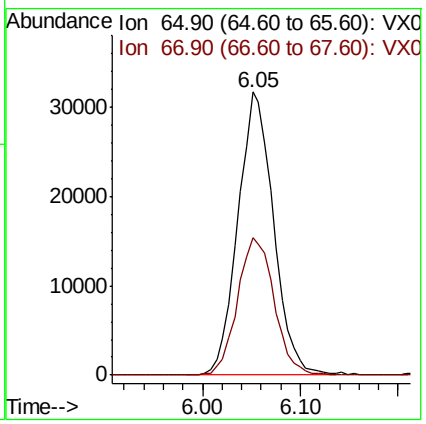


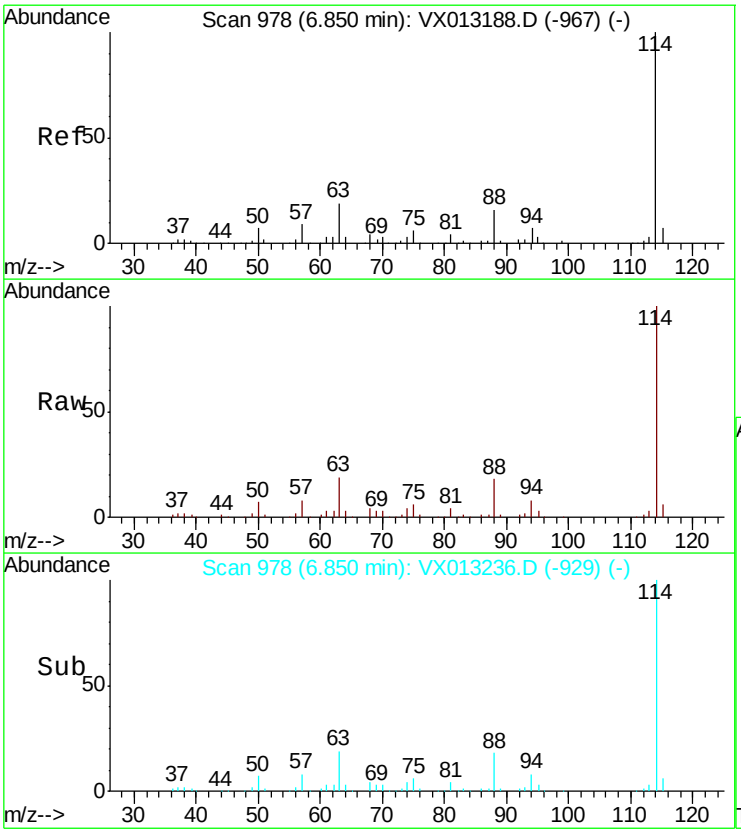

#33
1,2-Dichloroethane-d4
Concen: 51.539 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 65 Resp: 80336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.9 | 0.0 | 102.6 |

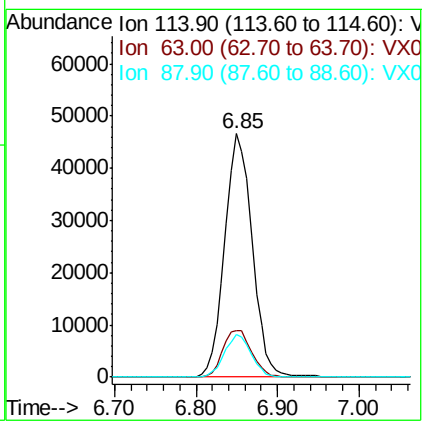


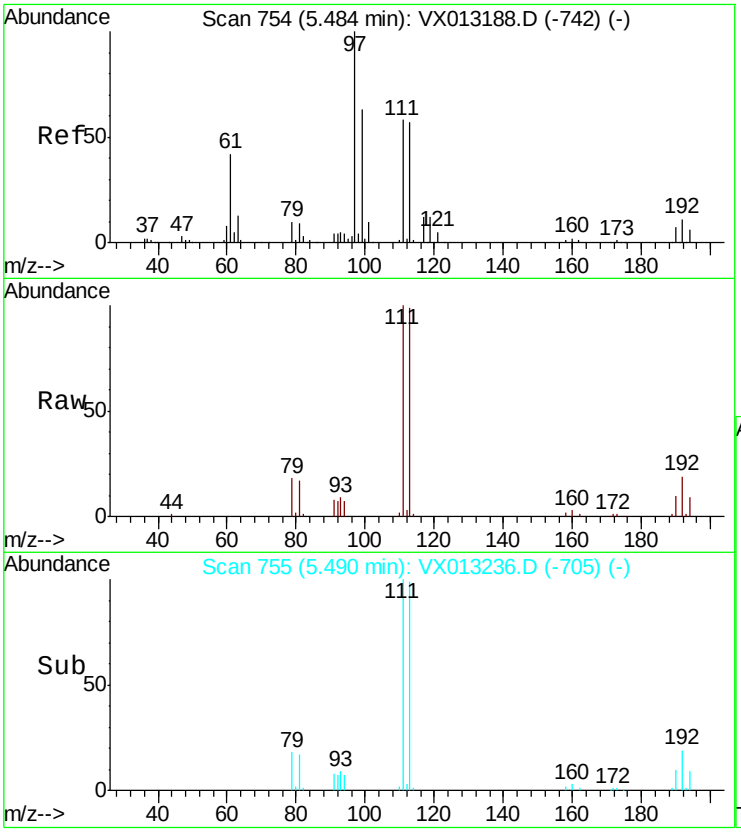




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:114 Resp: 108590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 39.0 |
| 88 | 17.6 | 0.0 | 32.0 |



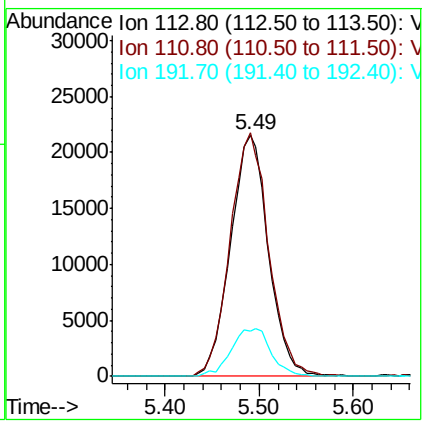


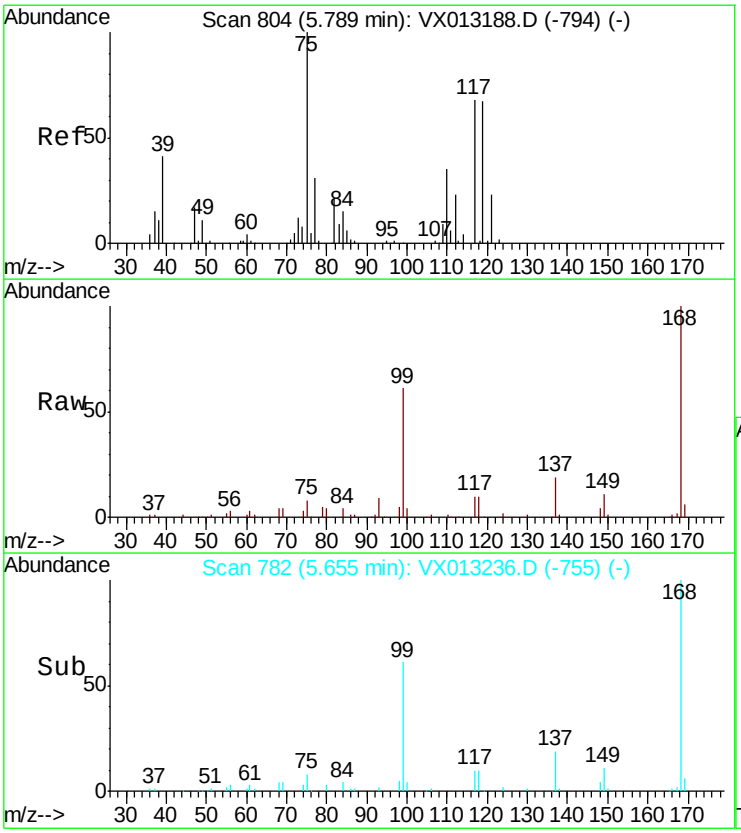

#35
Dibromofluoromethane
Concen: 49.901 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:113 Resp: 60427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 80.3 | 120.5 |
| 192 | 20.8 | 15.9 | 23.9 |

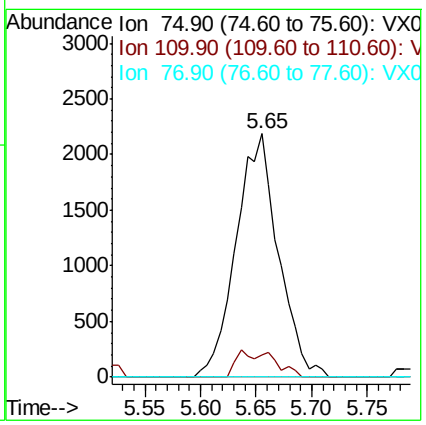


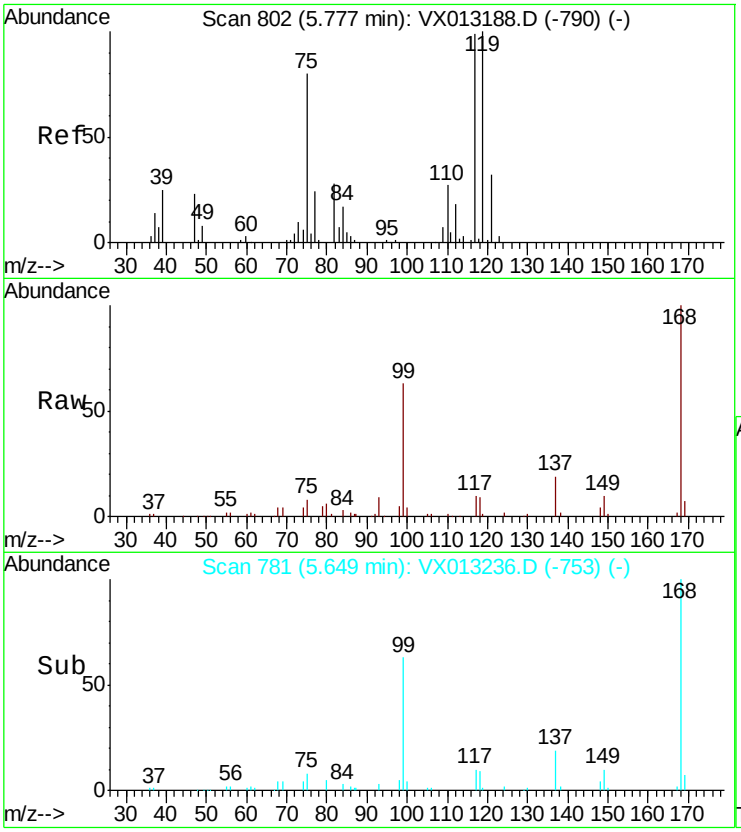




#36
1,1-Dichloropropene
Concen: 3.099 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 75 Resp: 5764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.7 | 17.6 | 52.9# |
| 77 | 0.0 | 24.7 | 37.1# |



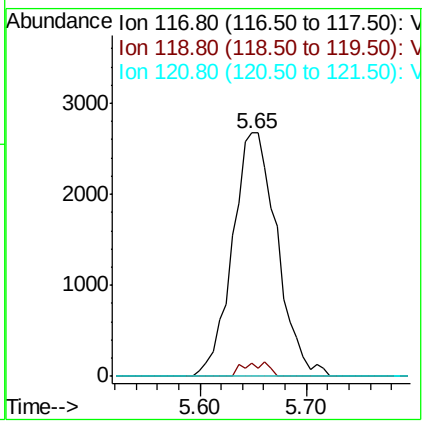


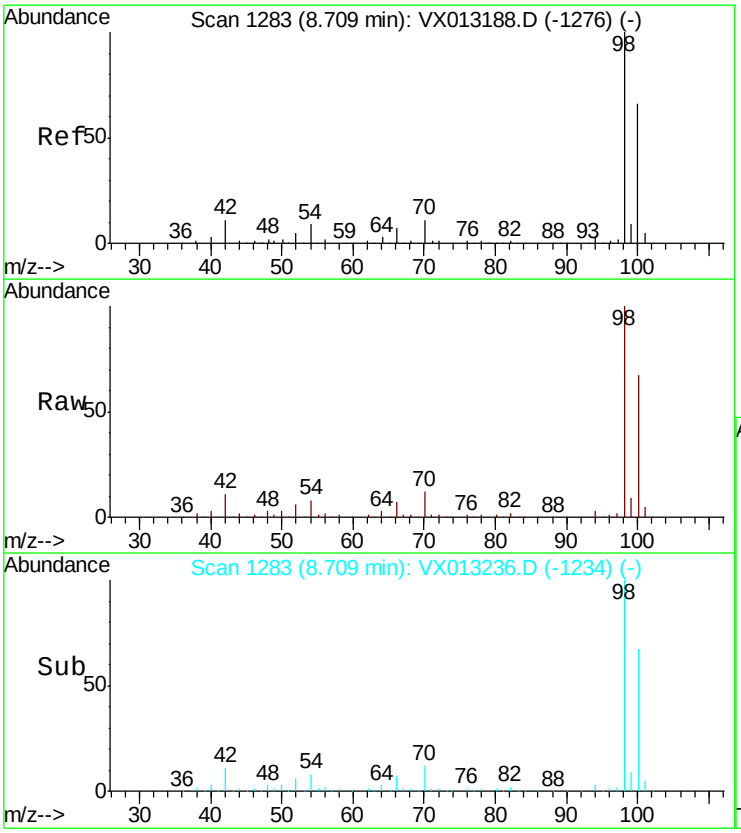

#38
Carbon Tetrachloride
Concen: 3.906 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:117 Resp: 7840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 80.1 | 120.1# |
| 121 | 0.0 | 25.5 | 38.3# |

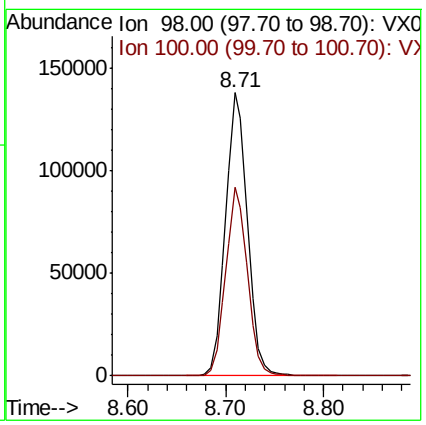


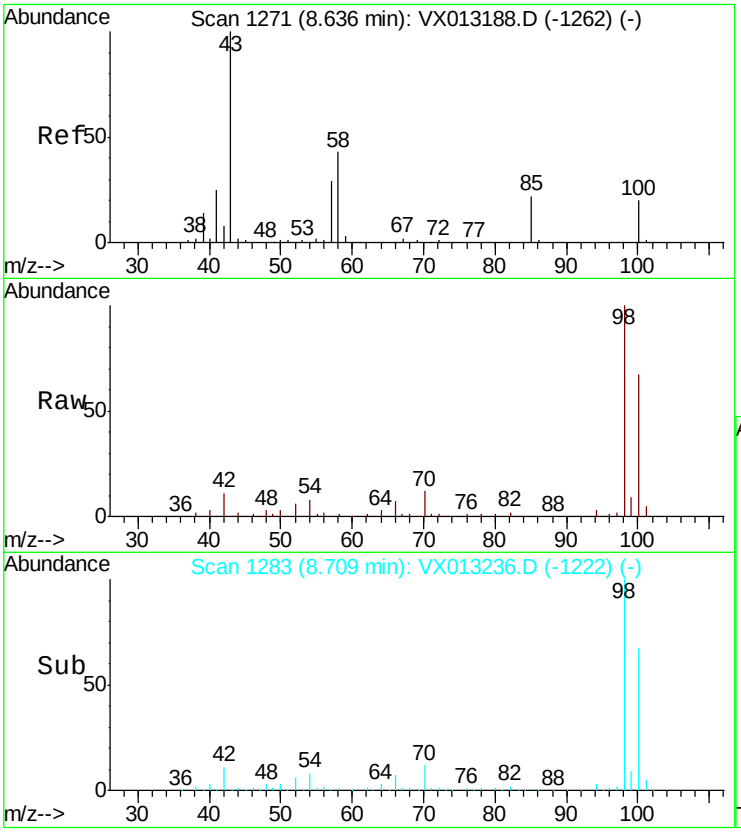




#50
Toluene-d8
Concen: 47.811 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 98 Resp: 214557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.3 | 79.9 |



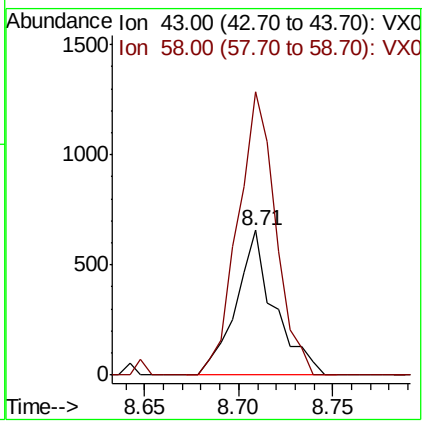


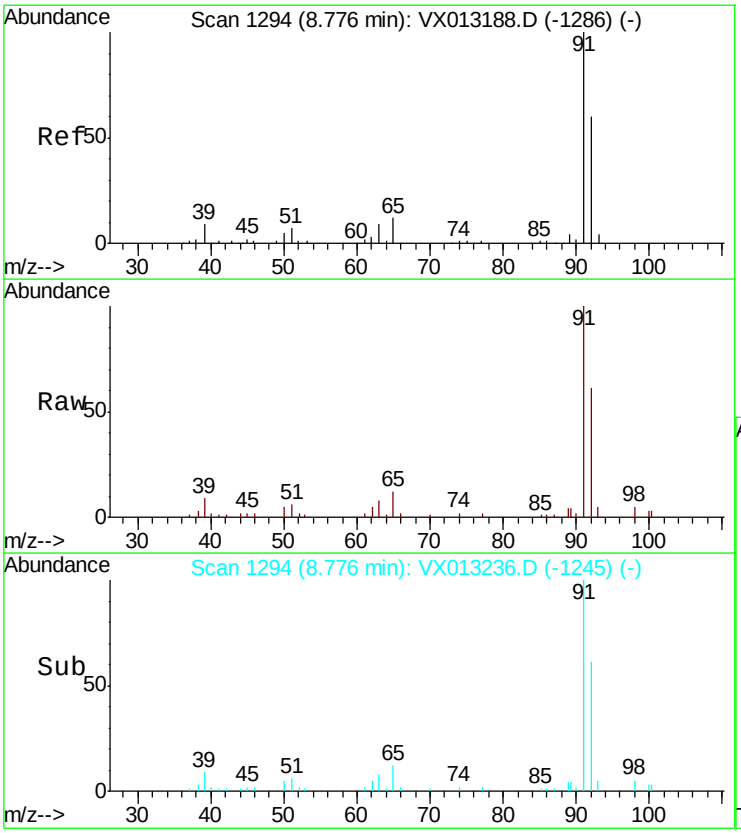

#51
4-Methyl-2-Pentanone
Concen: 0.507 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :** MSVOA_X
**ClientSampleId :** GW809-20.0-25.0-102419

Tgt Ion: 43 Resp: 928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 193.0 | 33.9 | 50.9# |

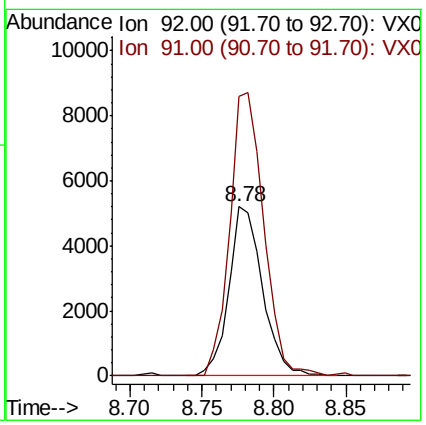


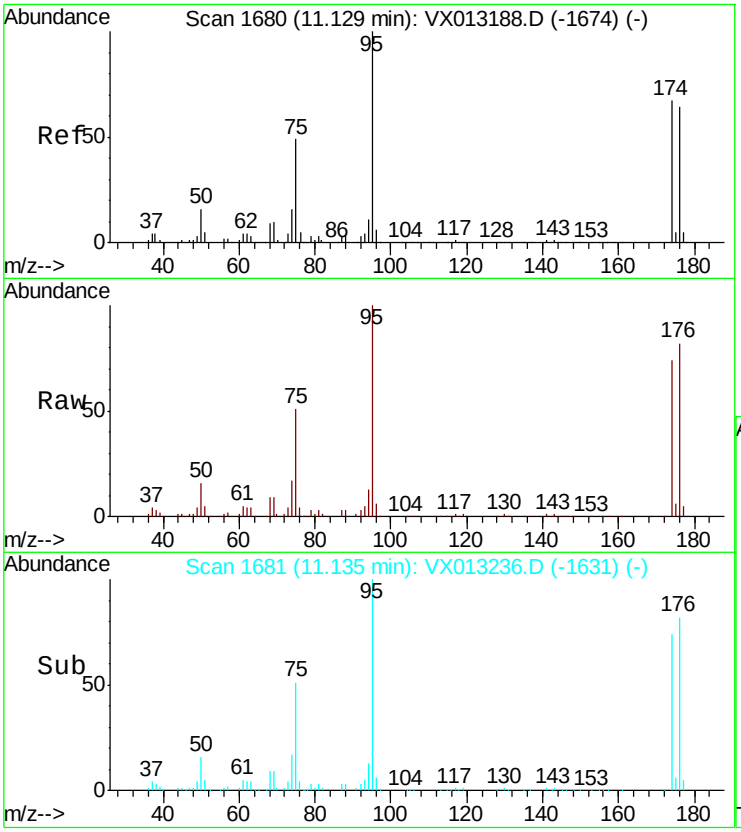




#52
Toluene
Concen: 2.348 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 92 Resp: 8489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.9 | 133.9 | 200.9 |



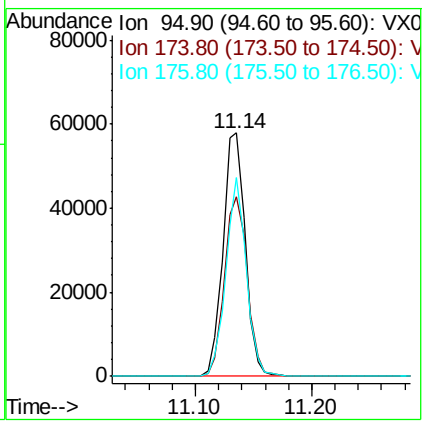


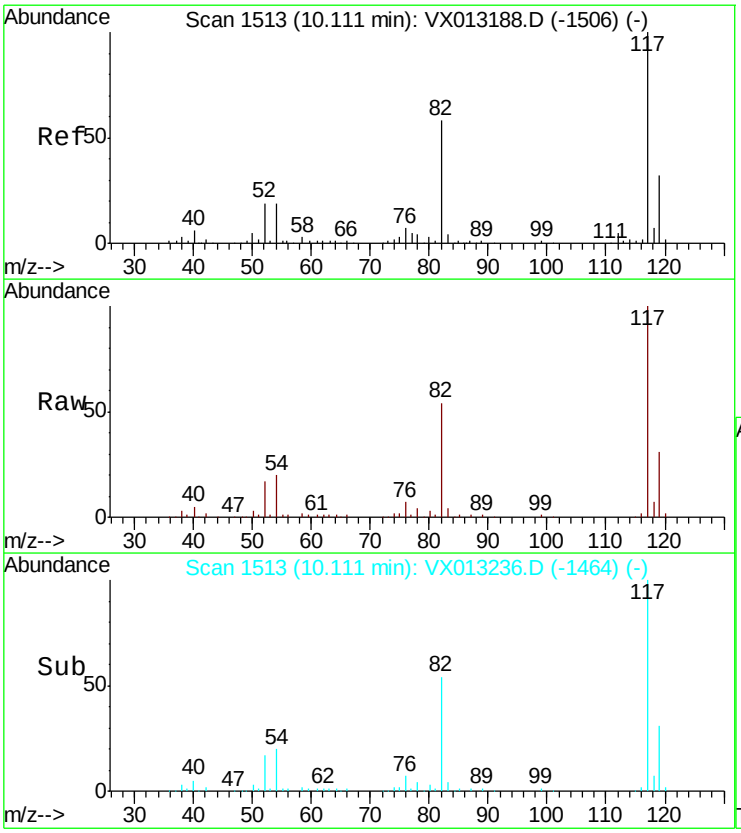

#62
4-Bromofluorobenzene
Concen: 43.202 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 95 Resp: 76735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.9 | 0.0 | 152.4 |
| 176 | 75.0 | 0.0 | 146.0 |

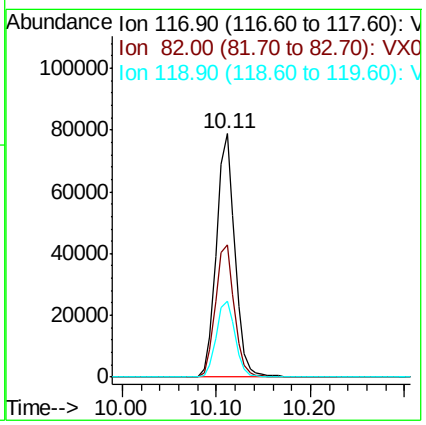


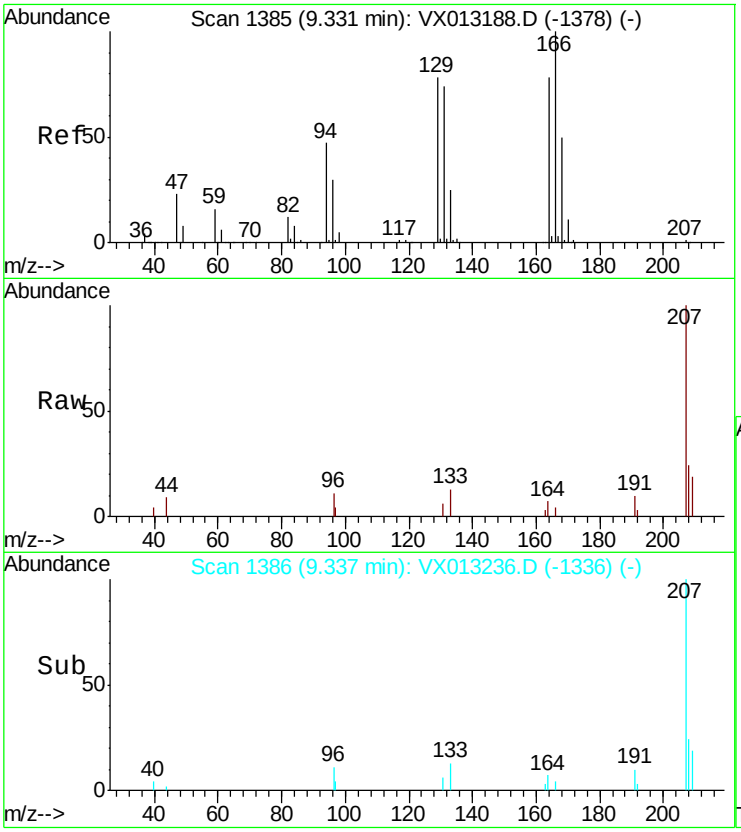




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:117 Resp: 107211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 46.5 | 69.7 |
| 119 | 31.1 | 25.2 | 37.8 |



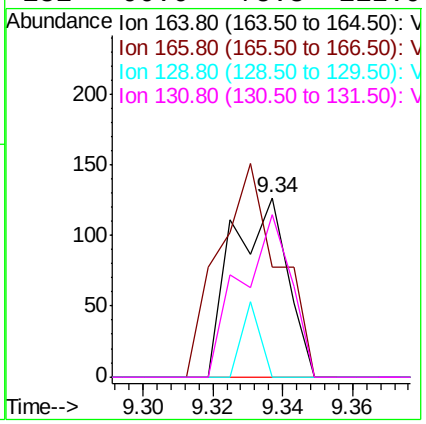


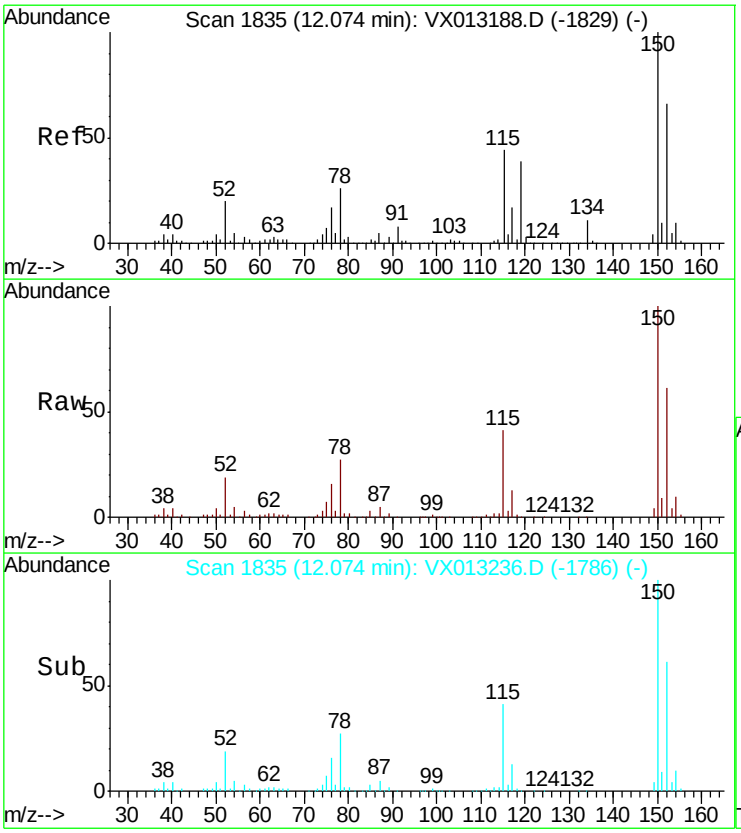

#64
Tetrachloroethene
Concen: Below Cal
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:164 Resp: 138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 61.4 | 102.2 | 153.4# |
| 129 | 0.0 | 79.8 | 119.8# |
| 131 | 90.6 | 75.3 | 112.9 |

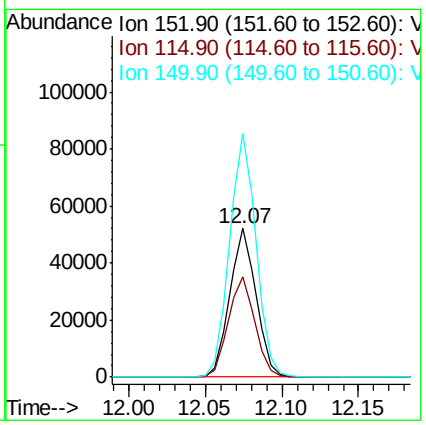


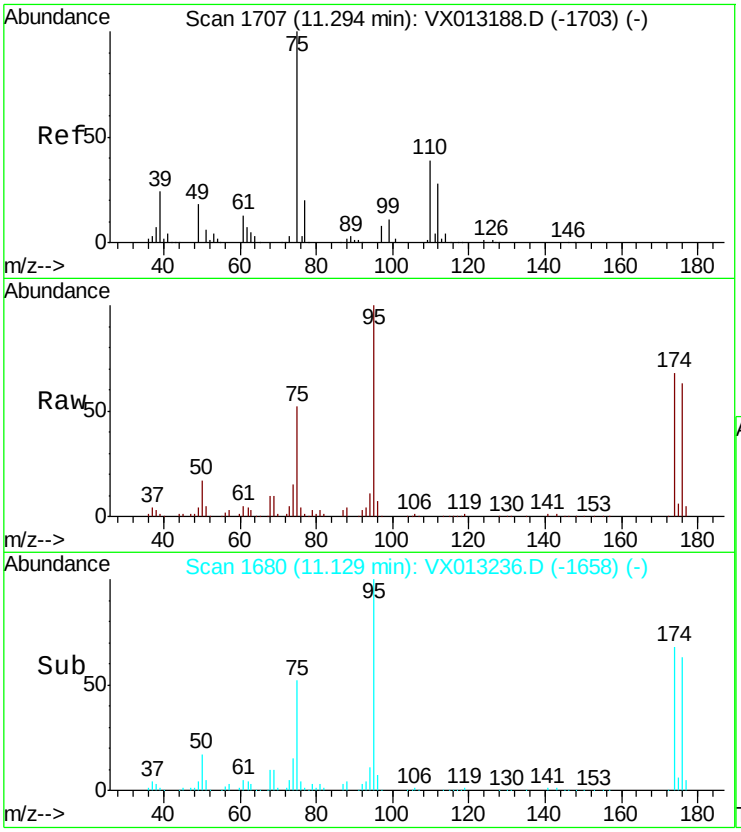




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:152 Resp: 62535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.0 | 46.6 | 139.8 |
| 150 | 163.4 | 0.0 | 354.0 |



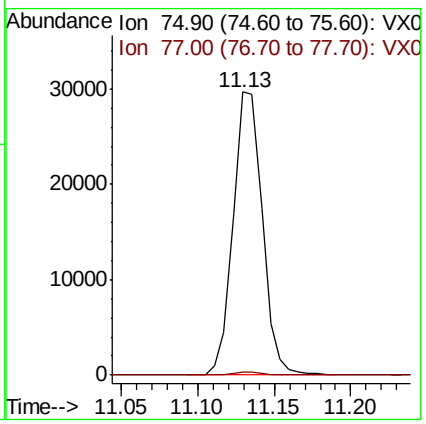


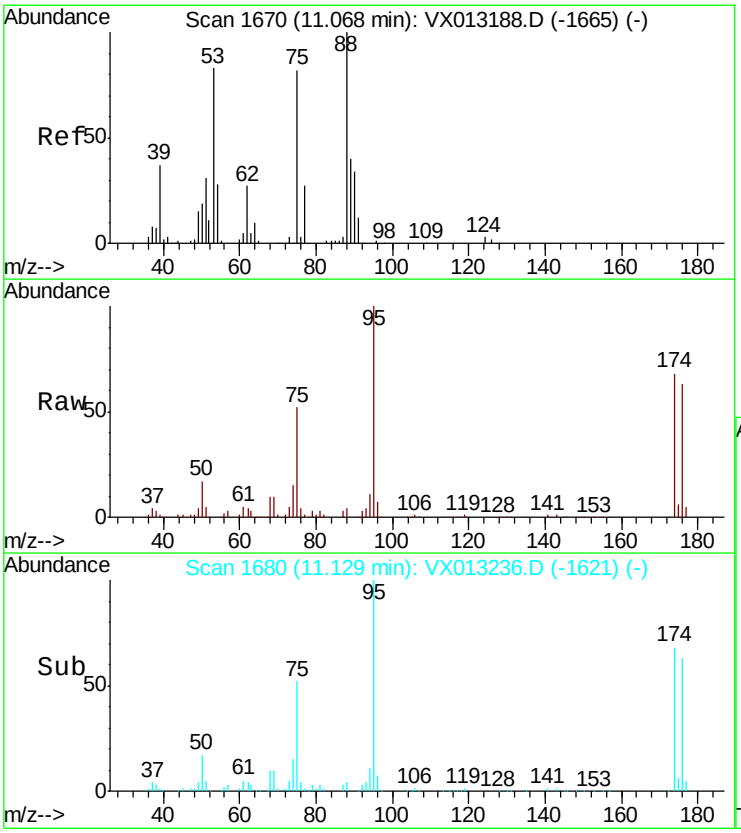

#76
1,2,3-Trichloropropane
Concen: 26.105 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion: 75 Resp: 39345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 19.1 | 57.5# |

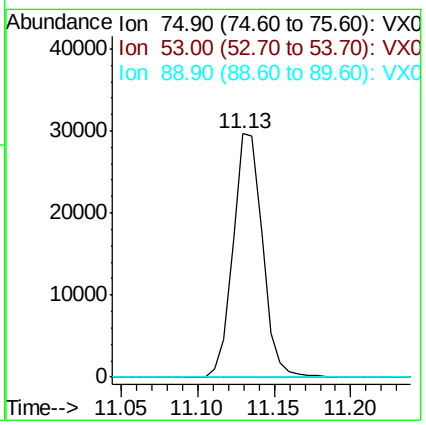


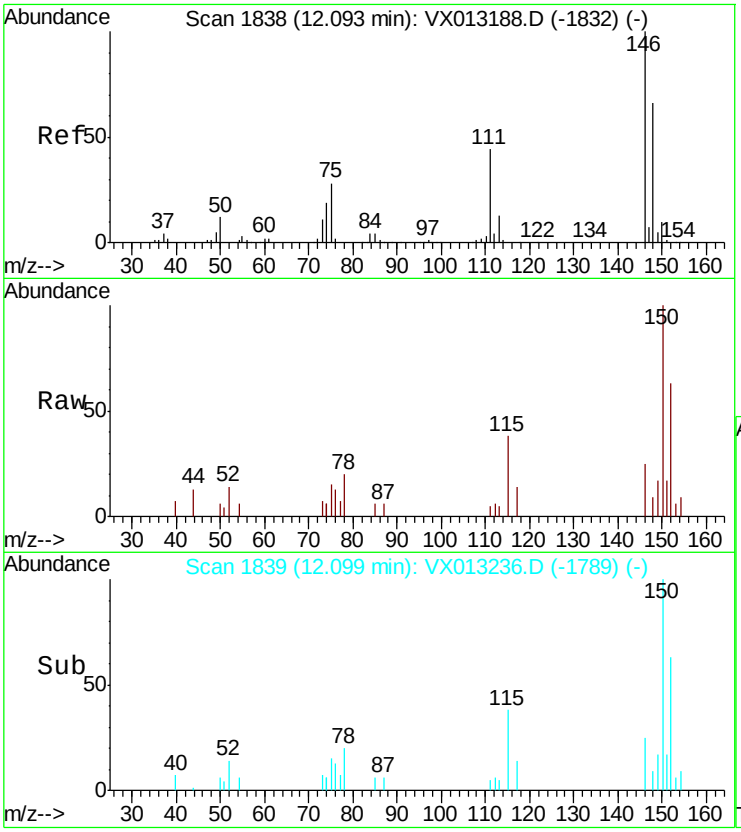




#81
trans-1,4-Dichloro-2-butene
Concen: 71.734 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 75 Resp: 39345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 77.9 | 116.9# |
| 89 | 0.1 | 37.3 | 55.9# |



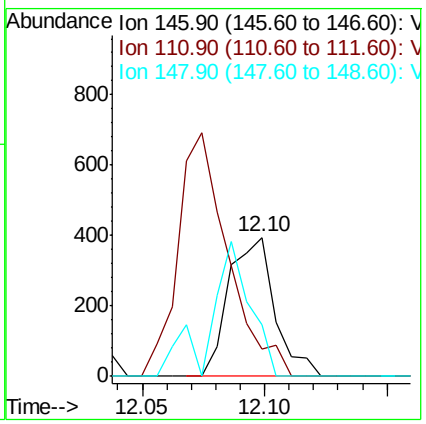


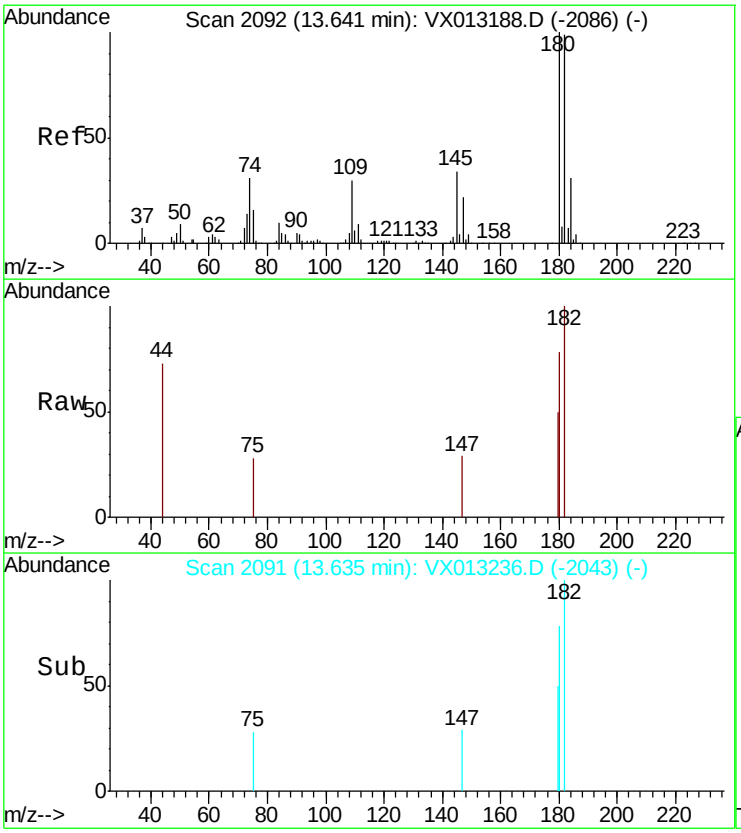

#88
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 12.10 min Scan# 1839
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
GW809-20.0-25.0-102419

Tgt Ion:146 Resp: 515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 21.3 | 63.9# |
| 148 | 85.2 | 32.5 | 97.5 |




#93
1,2,4-Trichlorobenzene
Concen: 0.285 ug/l
RT: 13.63 min Scan# 2091
Delta R.T. -0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:180 Resp: 434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 83.2 | 45.9 | 137.6 |
| 145 | 14.1 | 15.9 | 47.6# |