Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
Data File : VN052916.D
Acq On : 17 Dec 2018 10:15
Operator : MD\SY
Sample : VN1217WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Quant Time: Dec 18 04:41:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.66 | 168 | 1326415 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 2047587 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 1799754 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 716689 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 675440 | 47.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.78% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 531978 | 46.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.08% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 2504101 | 50.53 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.06% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 801803 | 47.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acrolein | 3.61 | 56 | 489 | 0.659 | ug/l # | 79 |
| 15) Acrylonitrile | 5.00 | 53 | 1135 | 0.257 | ug/l # | 29 |
| 16) Acetone | 3.82 | 43 | 1922 | 0.607 | ug/l # | 85 |
| 18) Methyl Acetate | 4.33 | 43 | 3286 | 0.283 | ug/l # | 77 |
| 31) Cyclohexane | 7.66 | 56 | 22434 | 0.363 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.66 | 75 | 88889 | 4.714 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 7.66 | 117 | 115720 | 6.668 | ug/l # | 16 |
| 43) Isopropyl Acetate | 8.24 | 43 | 18005 | 0.775 | ug/l # | 53 |
| 49) 1,4-Dioxane | 9.20 | 88 | 150 | 1.298 | ug/l # | 15 |
| 71) Bromoform | 12.40 | 173 | 4865 | 0.551 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 381838 | 36.111 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 381838 | 116.007 | ug/l # | 12 |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 4008 | 0.317 | ug/l | 98 |
| 94) Hexachlorobutadiene | 15.01 | 225 | 1772 | 0.242 | ug/l | 96 |
| 95) Naphthalene | 15.14 | 128 | 13005 | 0.497 | ug/l | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180 | 5304 | 0.457 | ug/l | 94 |

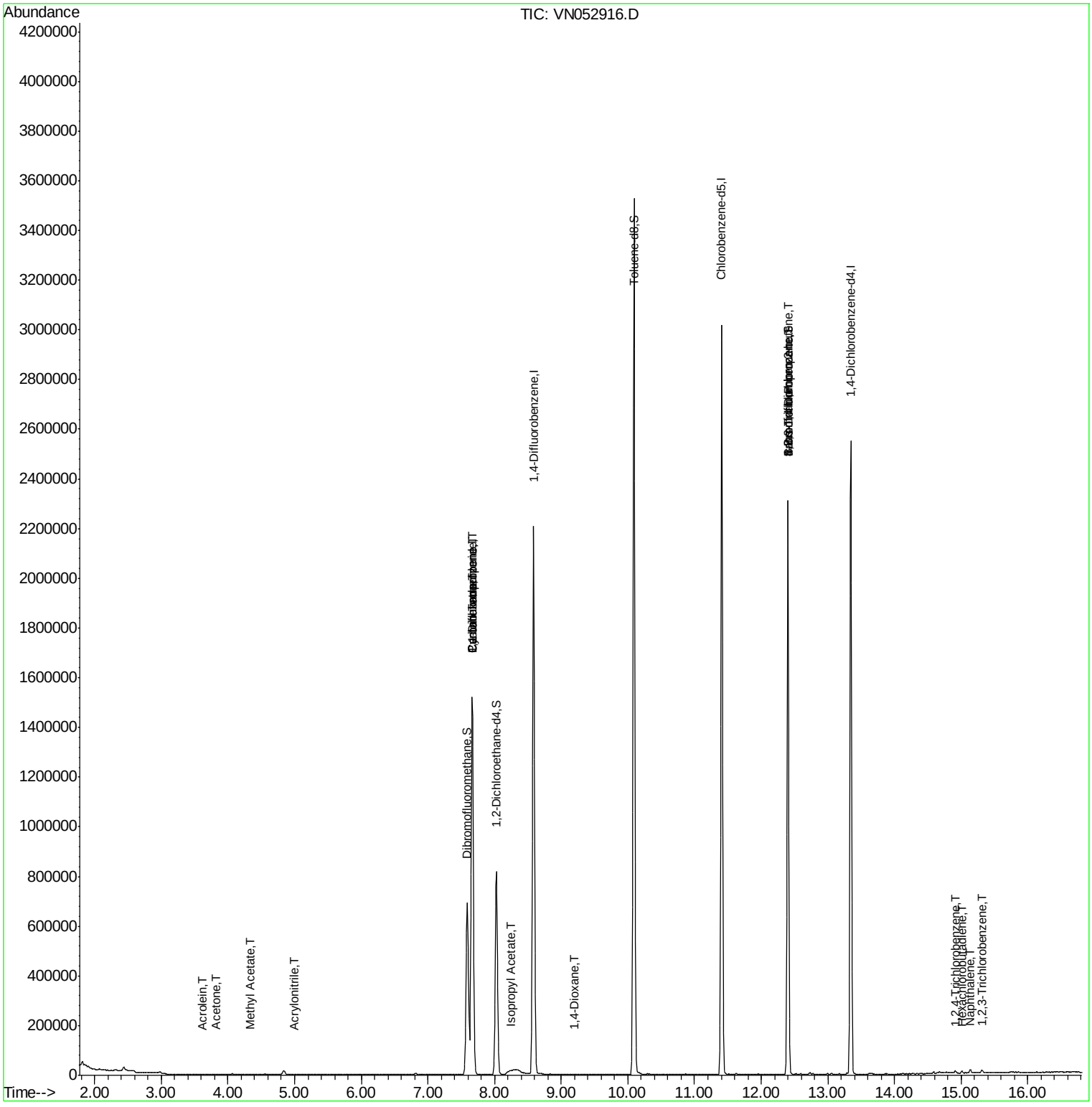
(#) = qualifier out of range (m) = manual integration (+) = signals summed

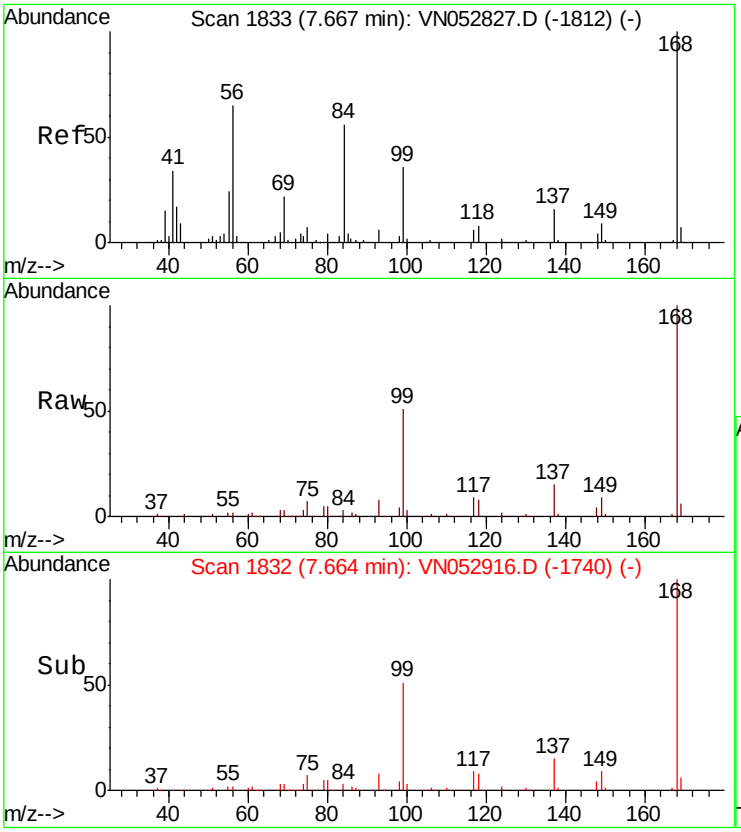
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
Data File : VN052916.D
Acq On : 17 Dec 2018 10:15
Operator : MD\SY
Sample : VN1217WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Quant Time: Dec 18 04:41:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration



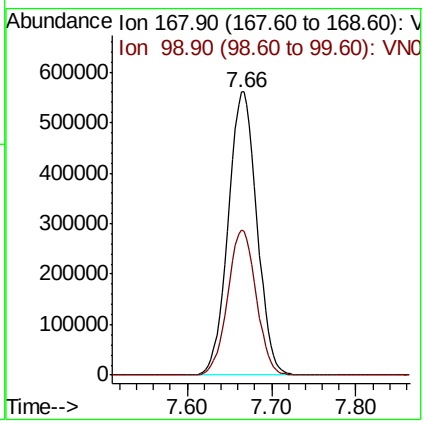


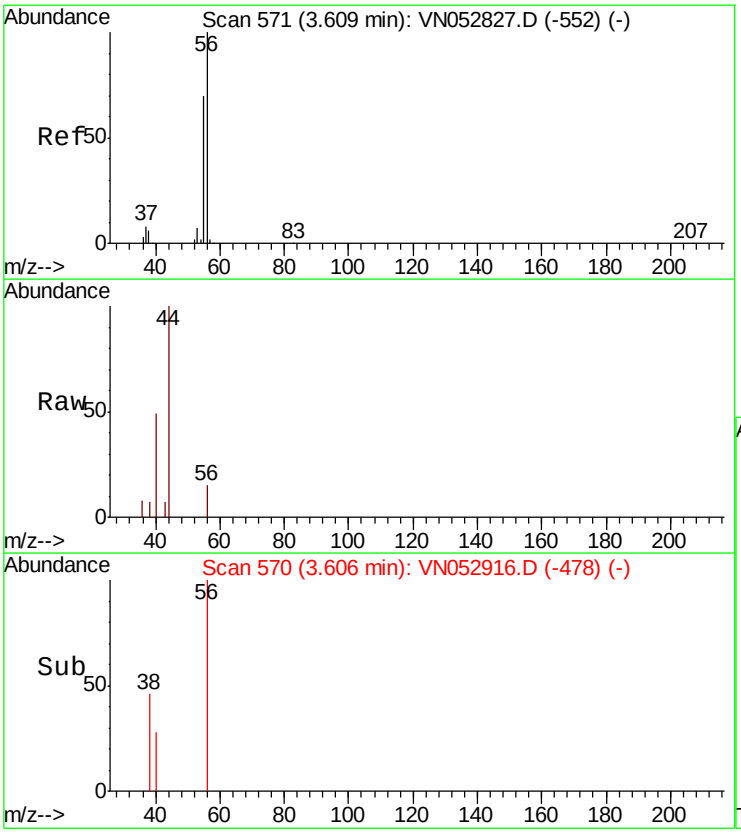

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion:168 Resp: 1326415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.4 | 40.2 | 60.2 |

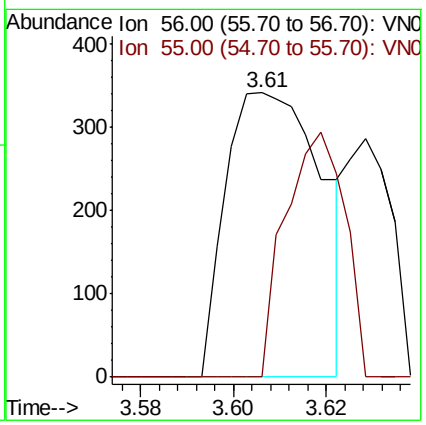


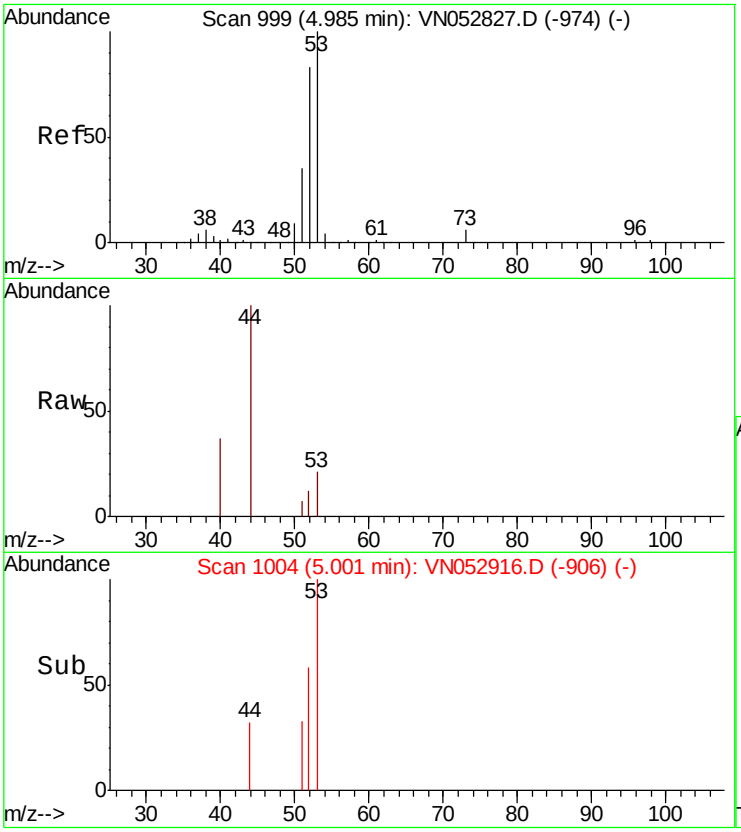




#13
Acrolein
Concen: 0.659 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 56 Resp: 489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 53.6 | 56.6 | 85.0# |



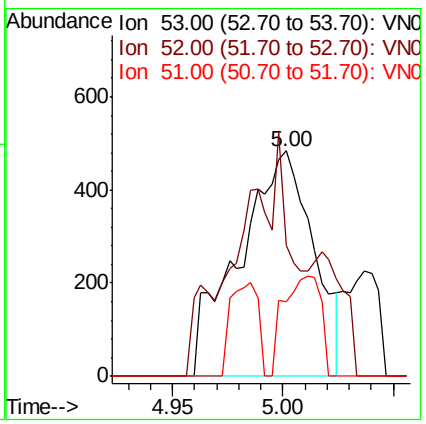


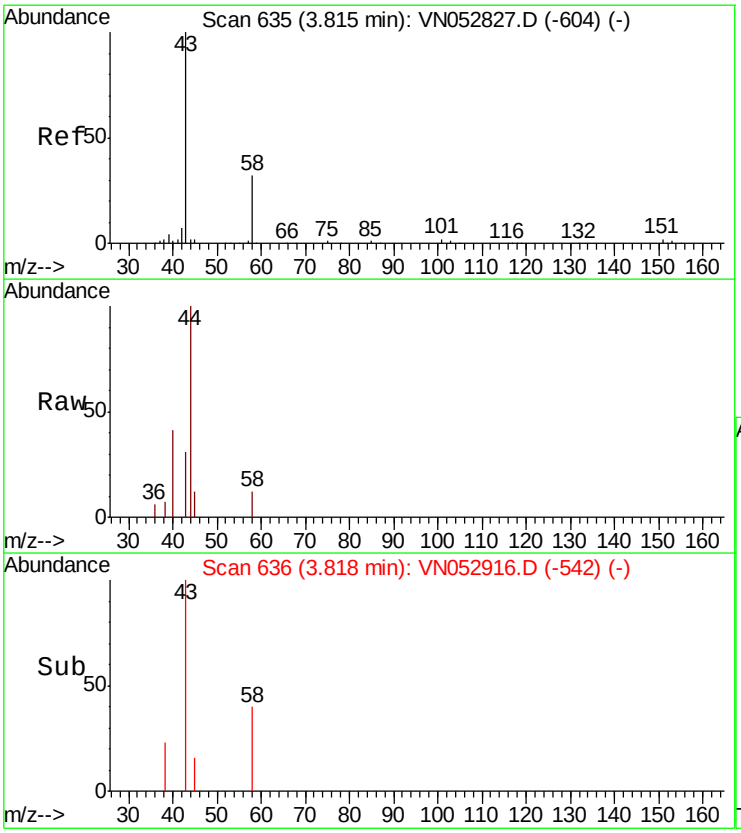

#15
Acrylonitrile
Concen: 0.257 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion: 53 Resp: 1135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 65.1 | 97.7# |
| 51 | 22.1 | 28.1 | 42.1# |

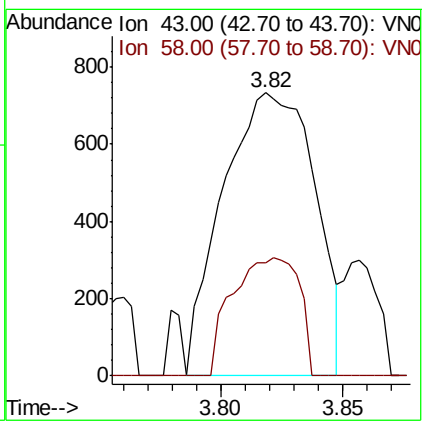


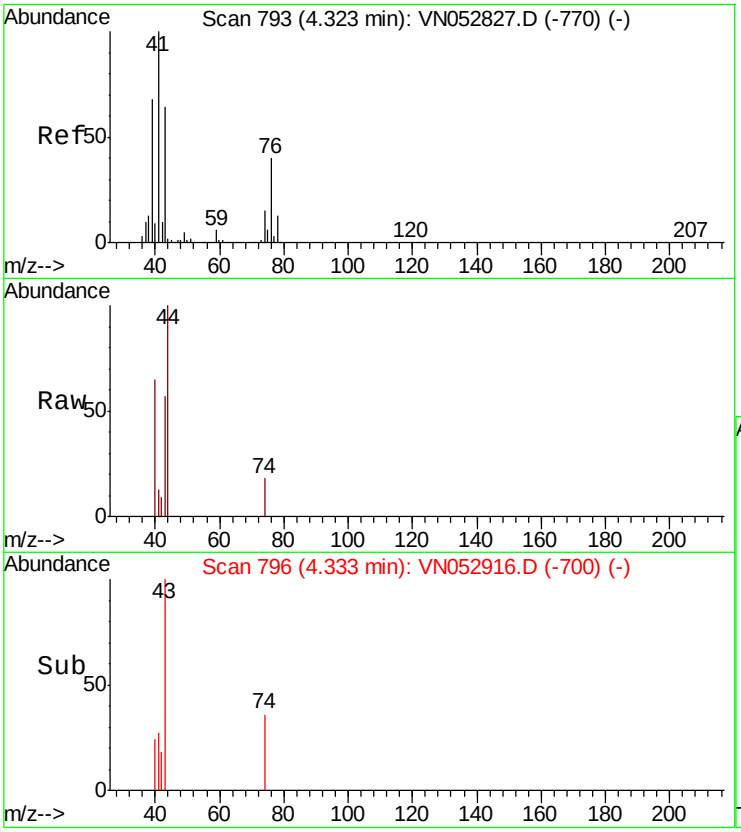




#16
Acetone
Concen: 0.607 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 43 Resp: 1922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 25.4 | 38.0# |



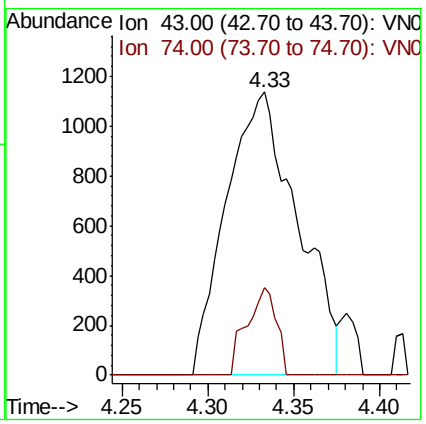


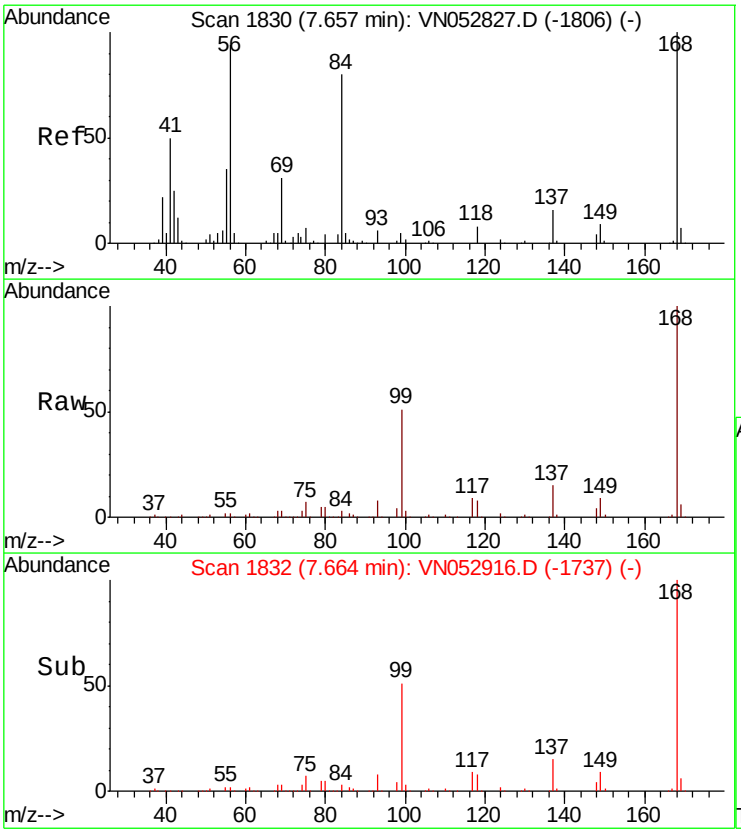

#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion: 43 Resp: 3286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 12.7 | 19.2 | 28.8# |

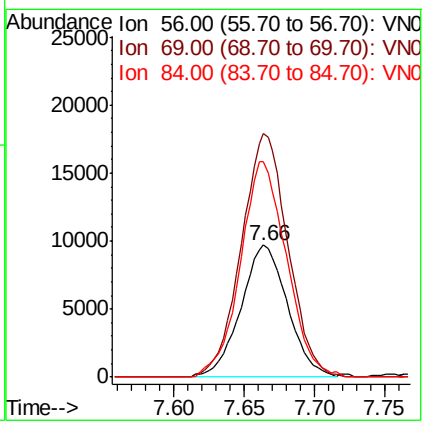


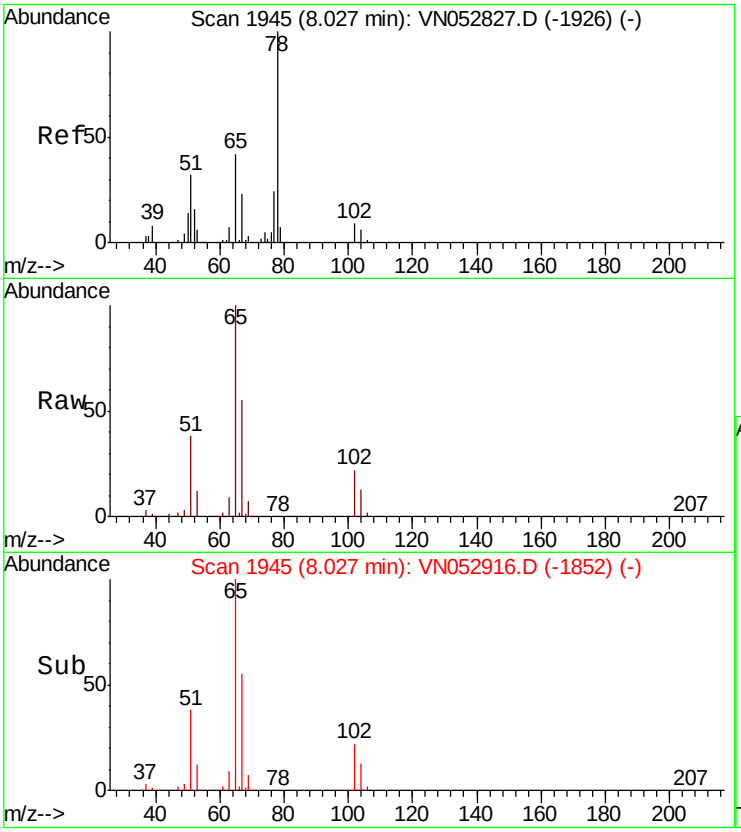




#31
Cyclohexane
Concen: 0.363 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 56 Resp: 22434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 184.4 | 26.6 | 39.8# |
| 84 | 163.7 | 68.4 | 102.6# |



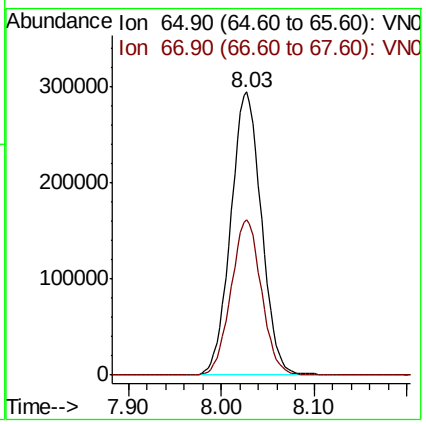


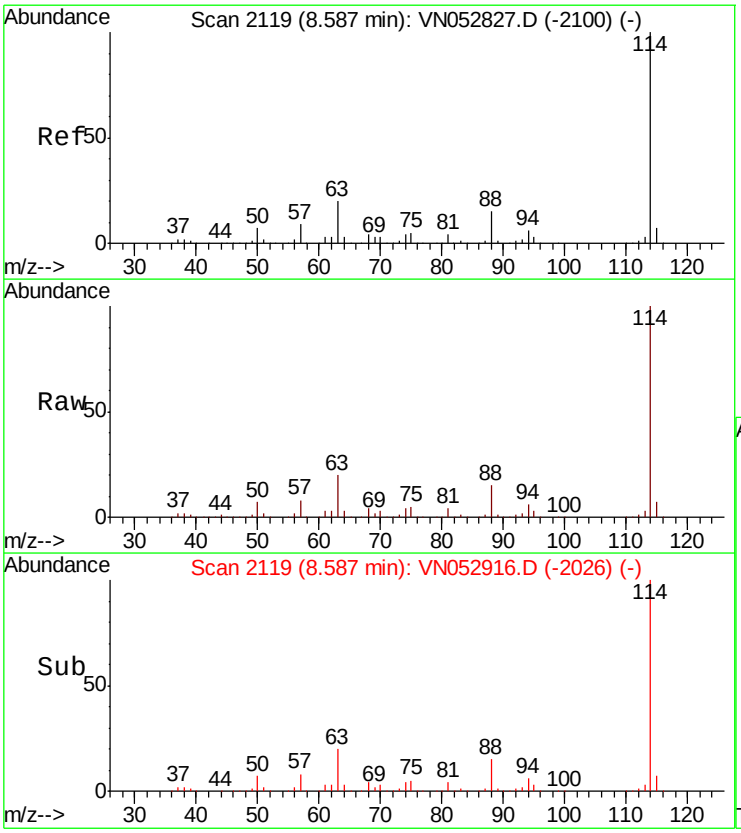

#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion: 65 Resp: 675440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.5 | 0.0 | 110.4 |

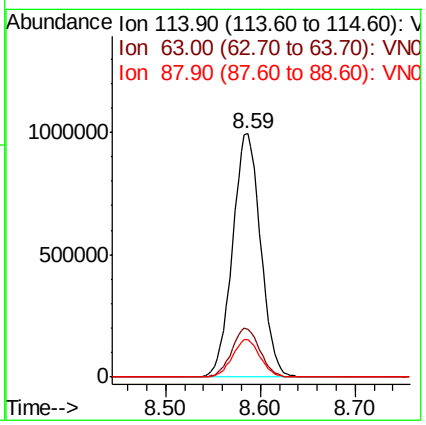


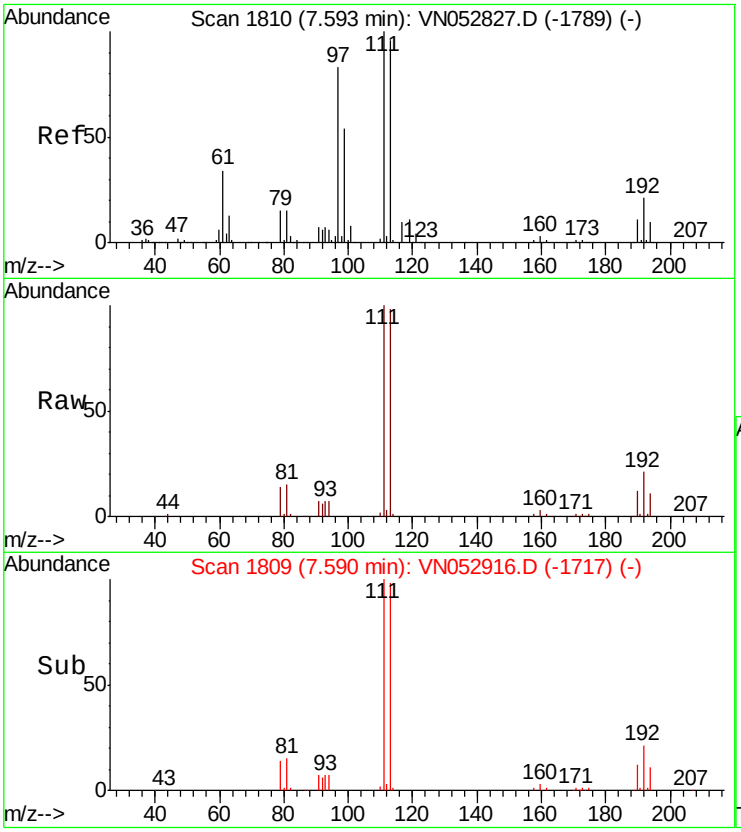




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion:114 Resp: 2047587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 39.8 |
| 88 | 15.3 | 0.0 | 31.0 |



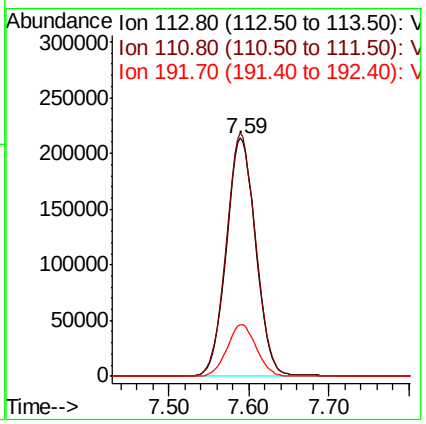


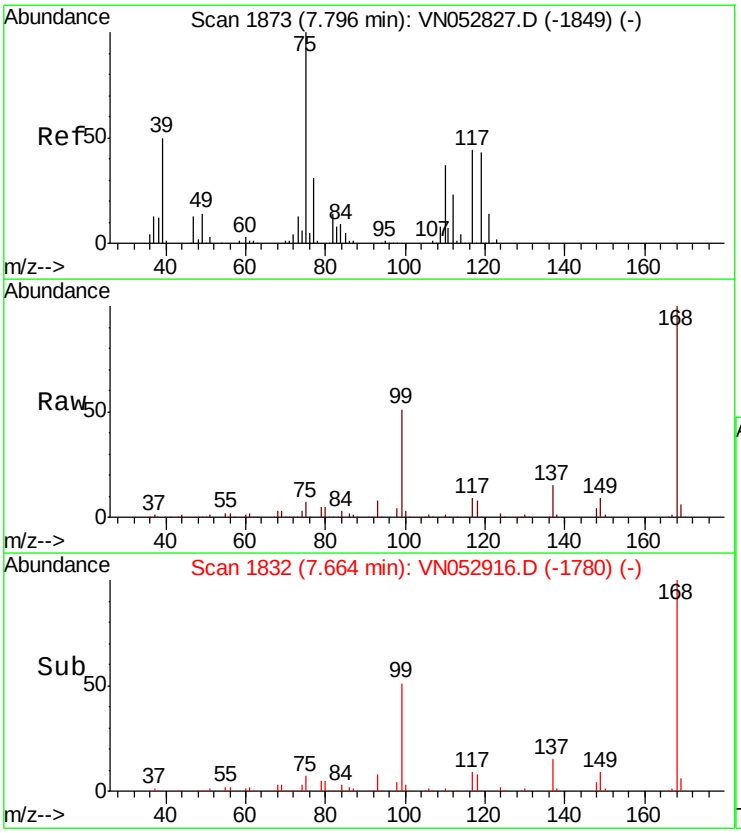

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion:113 Resp: 531978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 83.0 | 124.4 |
| 192 | 21.7 | 17.5 | 26.3 |

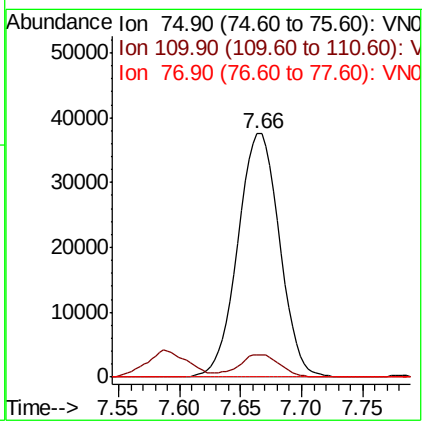


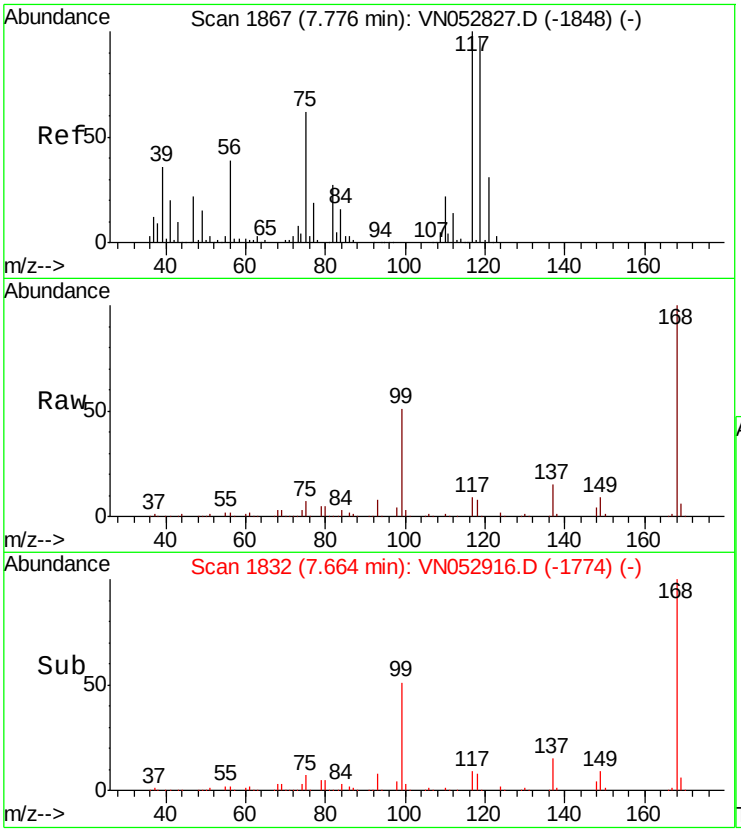




#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 75 Resp: 88889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.0 | 18.2 | 54.6# |
| 77 | 0.0 | 24.9 | 37.3# |



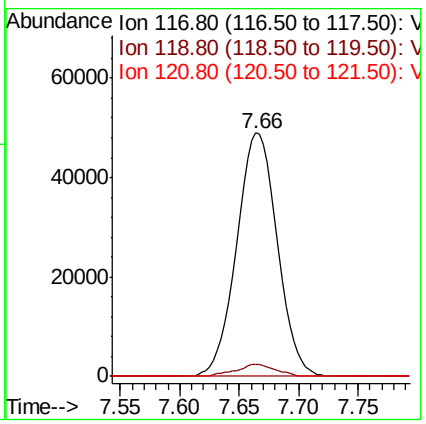


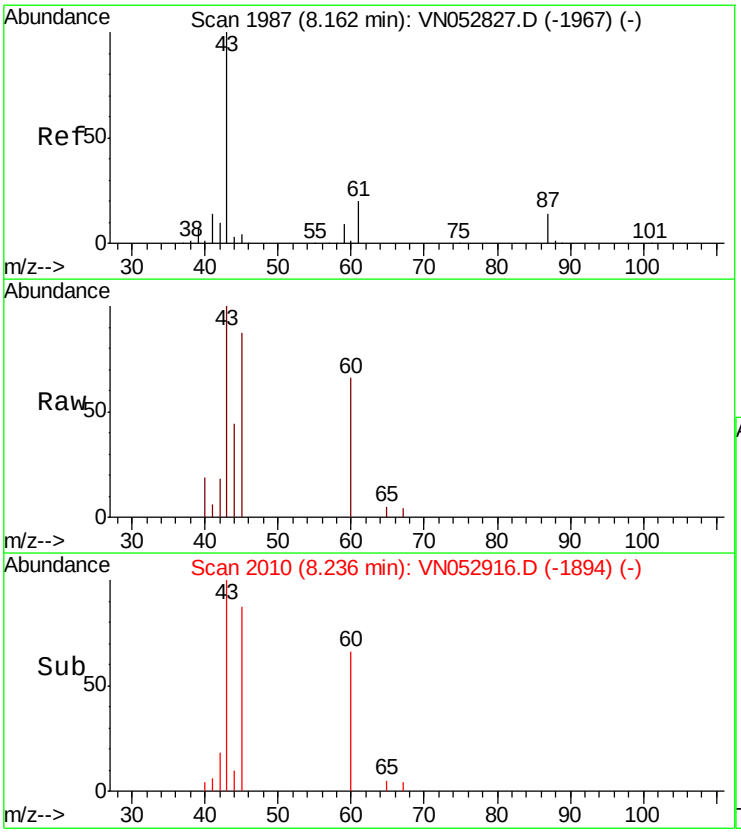

#38
Carbon Tetrachloride
Concen: 6.668 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion:117 Resp: 115720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.9 | 77.1 | 115.7# |
| 121 | 0.0 | 24.9 | 37.3# |

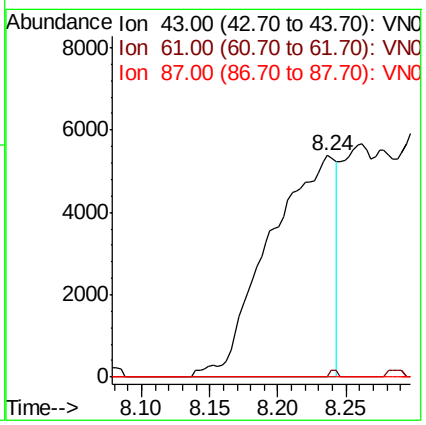


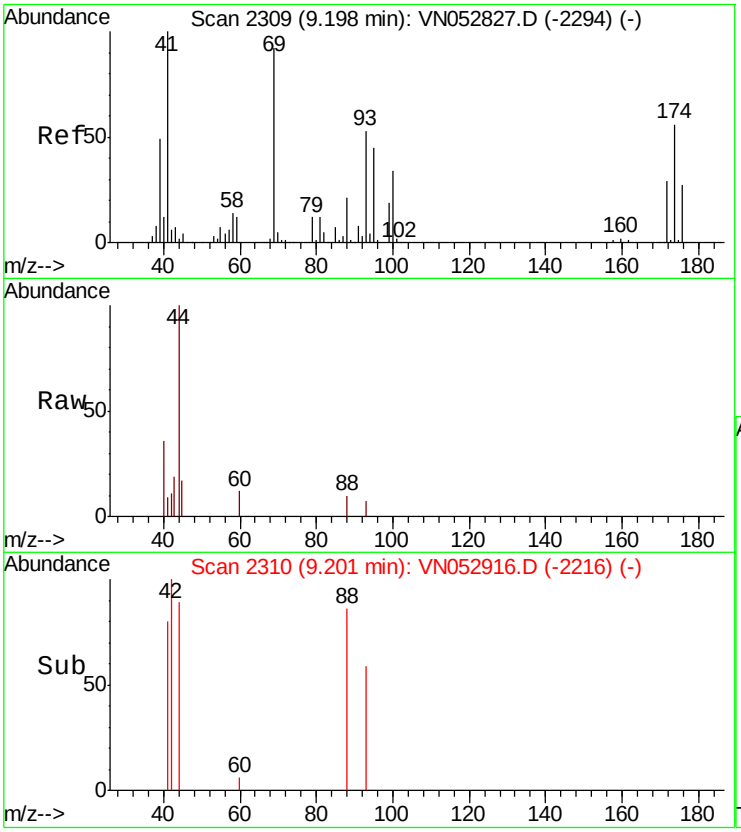




#43
Isopropyl Acetate
Concen: 0.775 ug/l
RT: 8.24 min Scan# 2010
Delta R.T. 0.07 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 43 Resp: 18005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 22.9 | 34.3# |
| 87 | 0.0 | 10.6 | 15.8# |



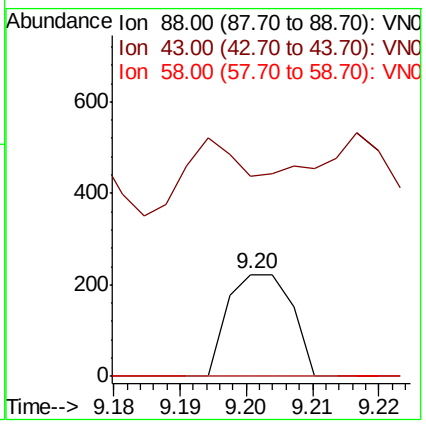


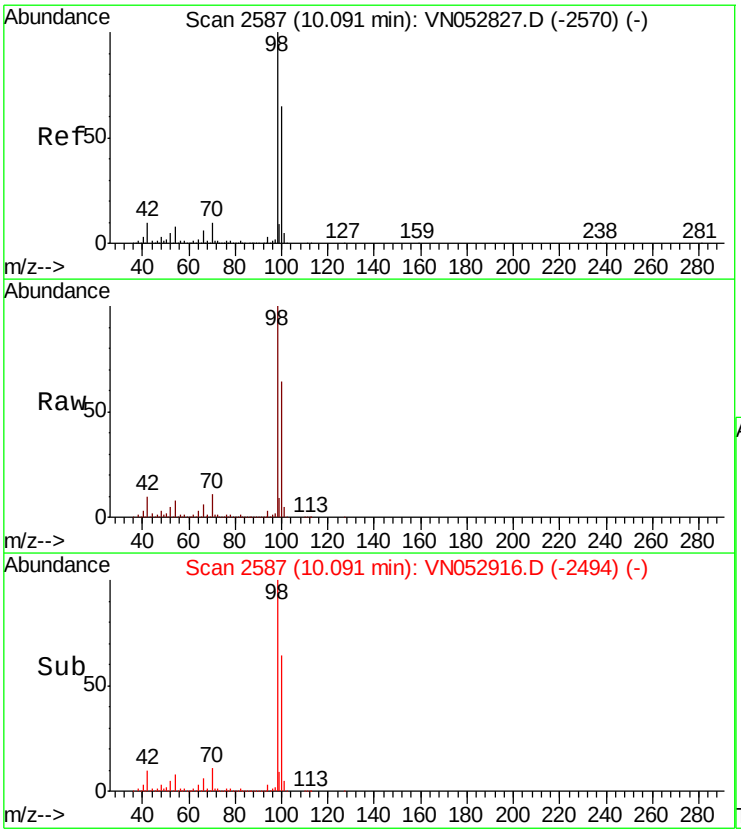

#49
1,4-Dioxane
Concen: 1.298 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion: 88 Resp: 150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 79.3 | 26.6 | 40.0# |
| 58 | 0.0 | 58.4 | 87.6# |

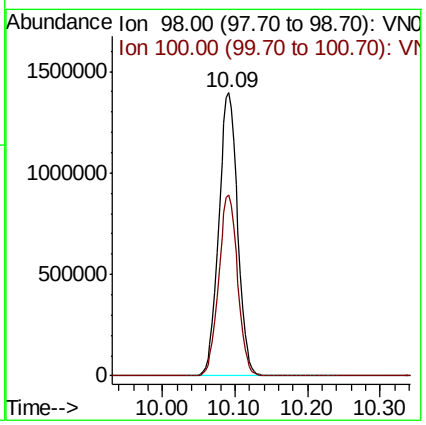


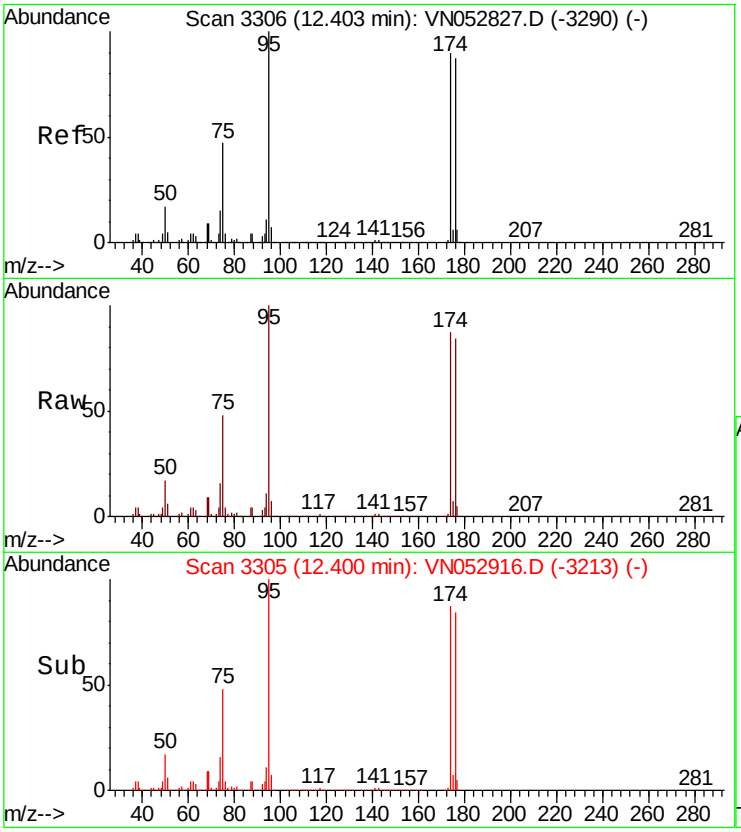




#50
Toluene-d8
Concen: 1.298 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 98 Resp: 2504101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.6 | 77.4 |



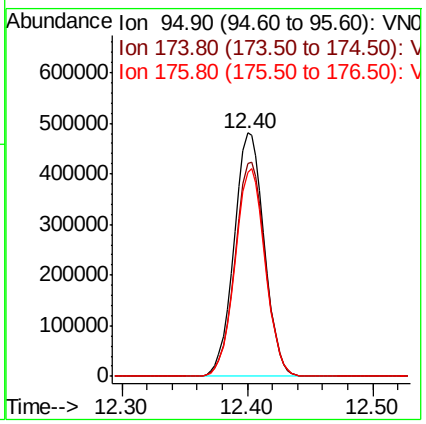


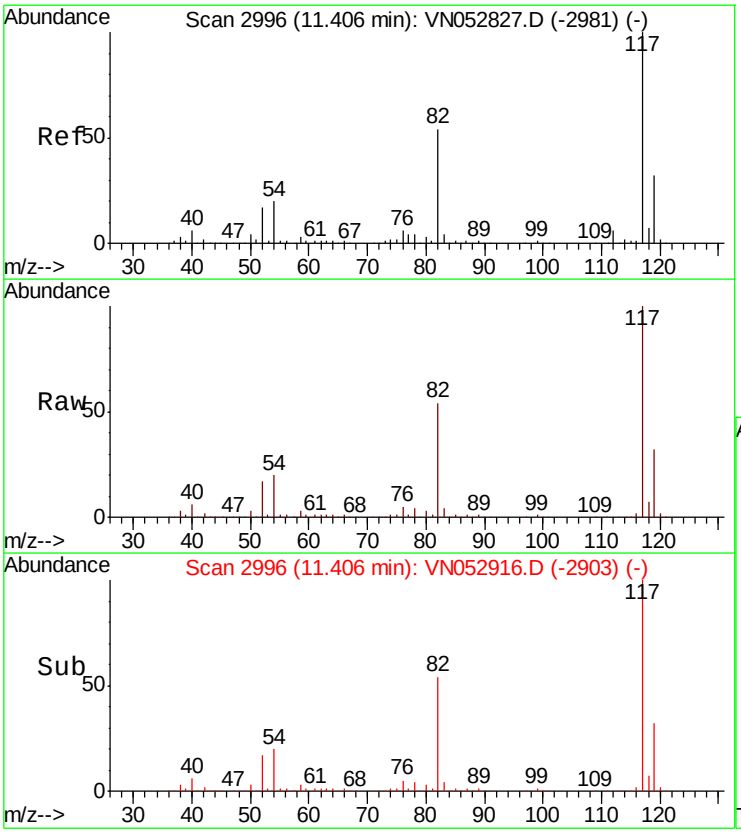

#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion: 95 Resp: 801803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.5 | 0.0 | 178.8 |
| 176 | 85.3 | 0.0 | 173.8 |

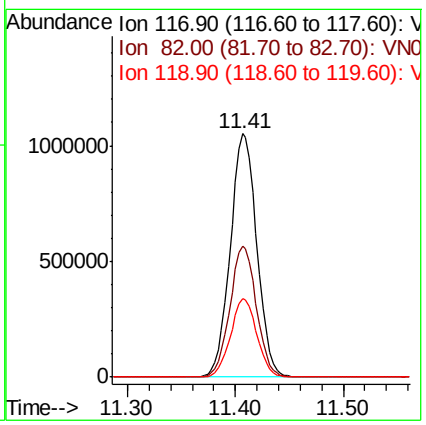


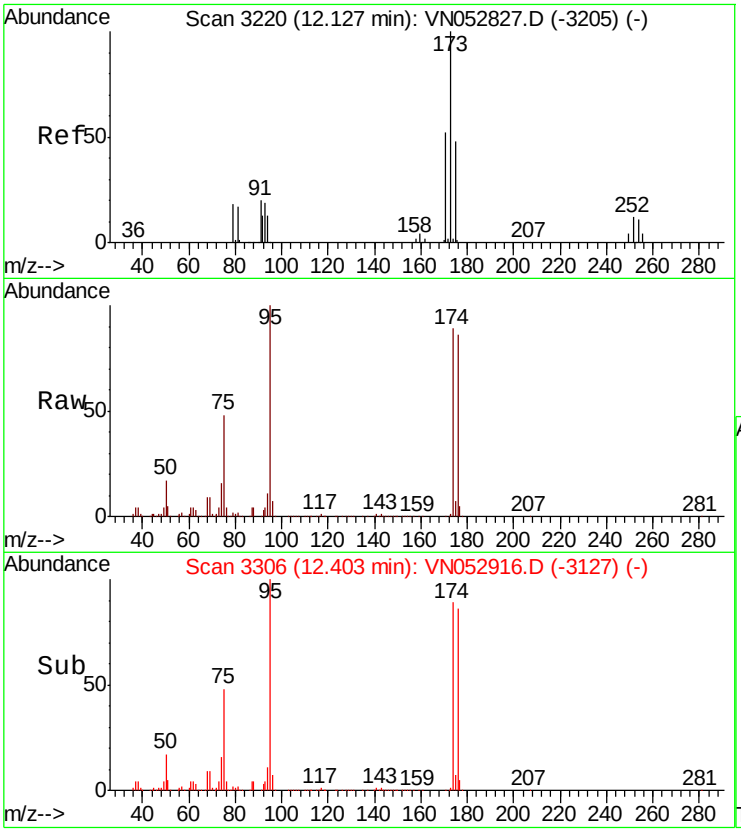




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion:117 Resp: 1799754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.9 | 42.8 | 64.2 |
| 119 | 32.1 | 25.5 | 38.3 |



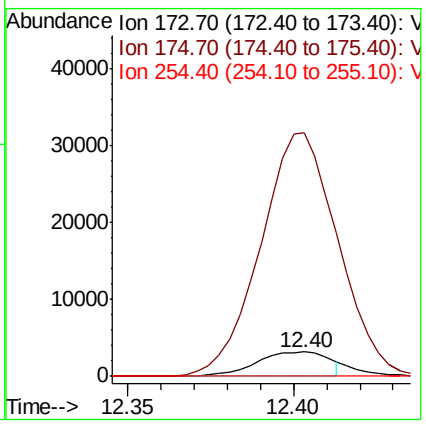


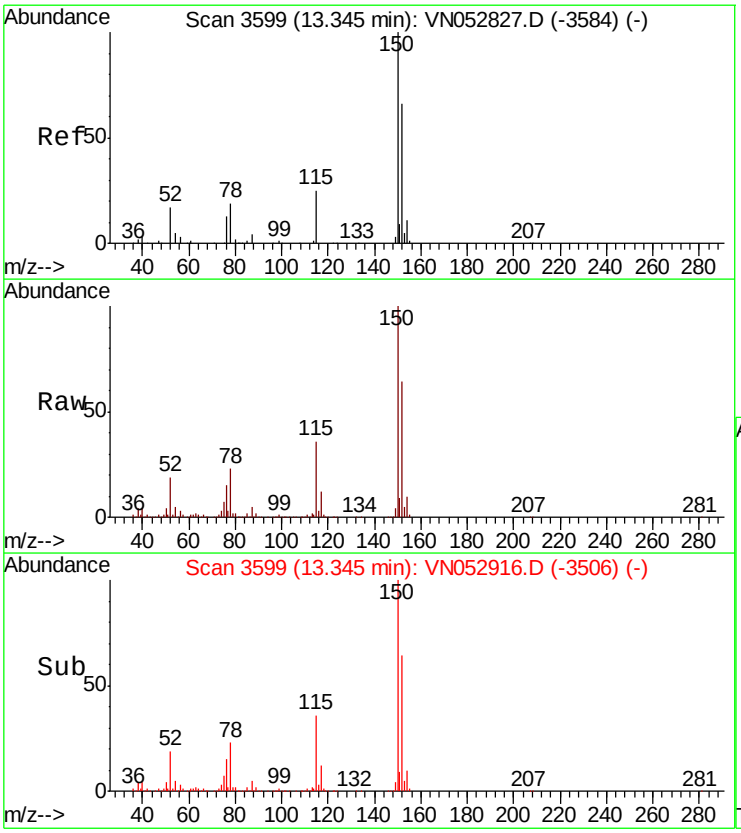

#71
Bromoform
Concen: 0.551 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :** MSVOA_N
**ClientSampleId :** VN1217WBL01

Tgt Ion:173 Resp: 4865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 927.5 | 24.3 | 72.9# |
| 254 | 0.0 | 0.1 | 0.1# |

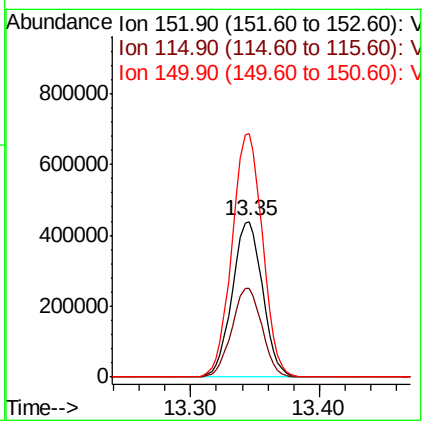


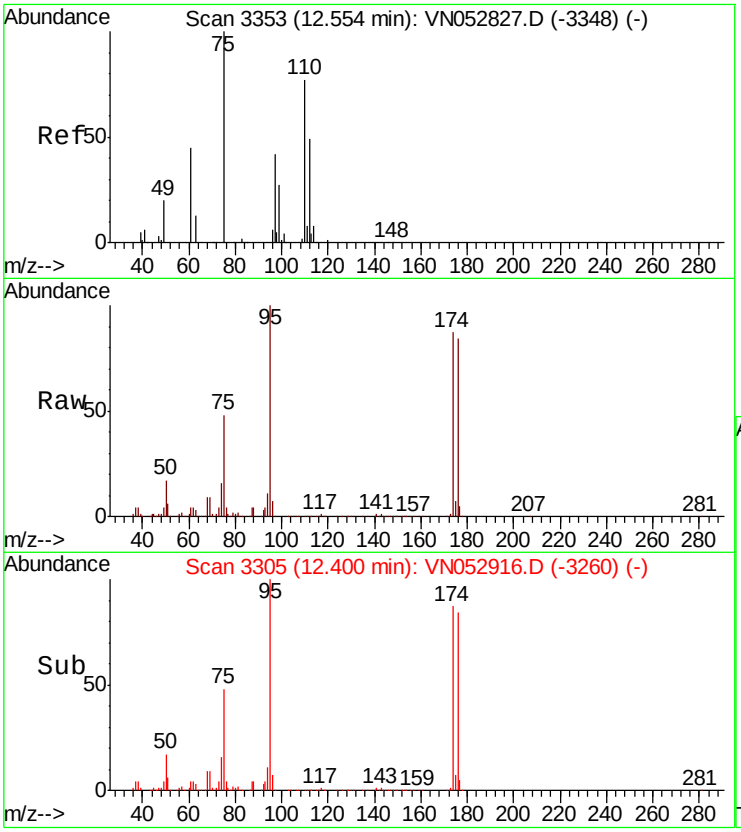




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion:152 Resp: 716689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.8 | 28.3 | 85.0 |
| 150 | 157.2 | 0.0 | 347.8 |



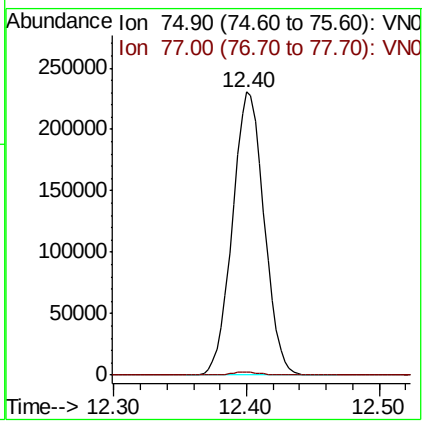


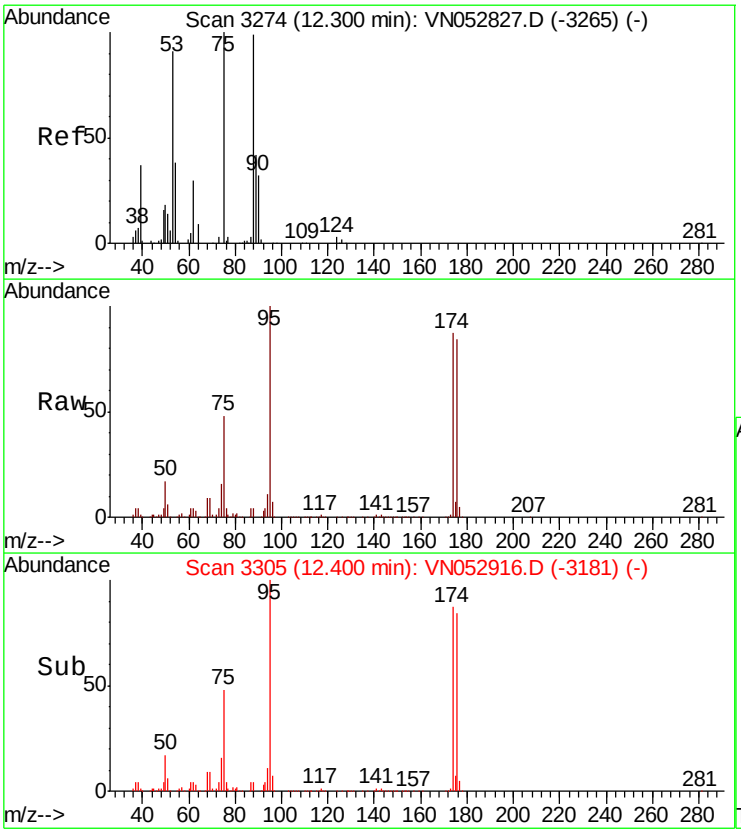

#76
1,2,3-Trichloropropane
Concen: 36.111 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion: 75 Resp: 381838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 0.0 | 0.0# |

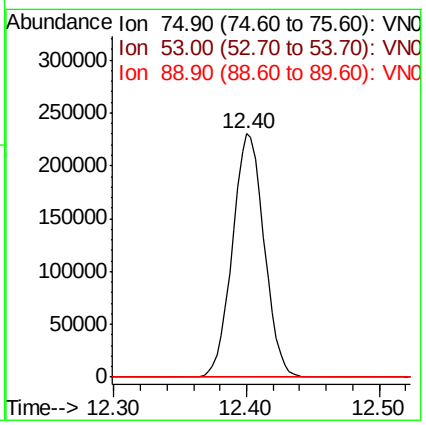


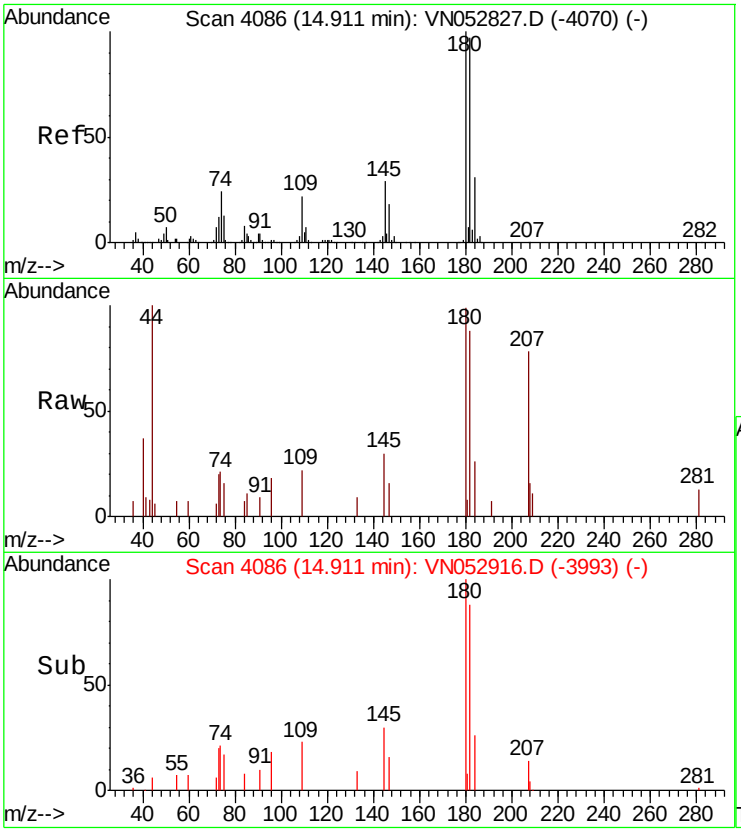




#81
trans-1,4-Dichloro-2-butene
Concen: 116.007 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion: 75 Resp: 381838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 74.7 | 112.1# |
| 89 | 0.0 | 36.1 | 54.1# |



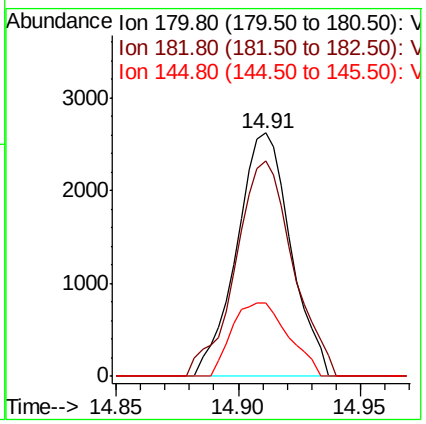


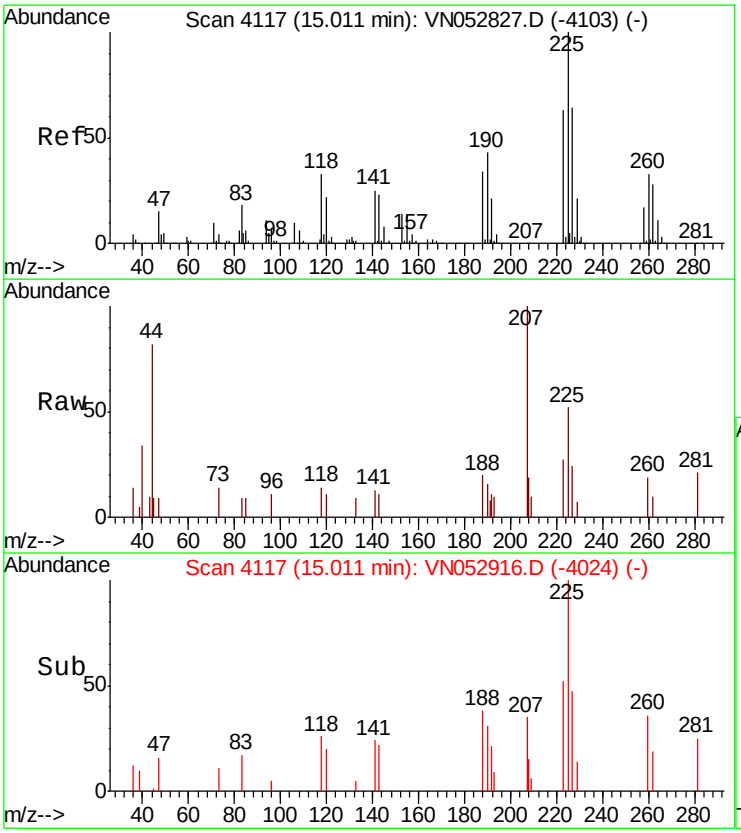

#93
1,2,4-Trichlorobenzene
Concen: 0.317 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion:180 Resp: 4008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.8 | 143.3 |
| 145 | 31.6 | 14.2 | 42.6 |

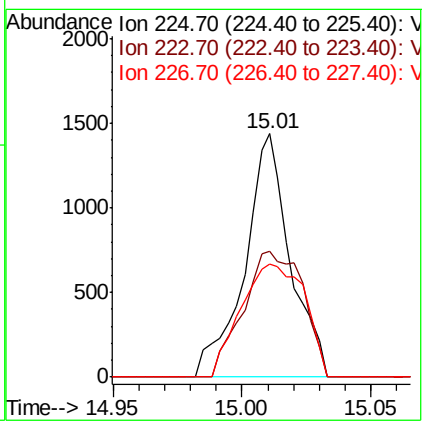


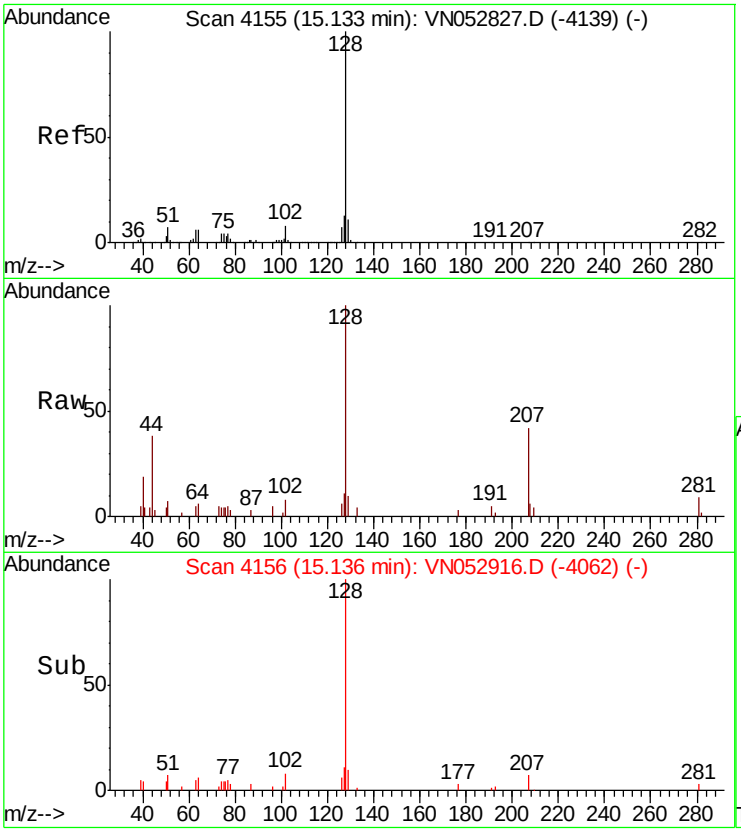




#94
Hexachlorobutadiene
Concen: 0.242 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion:225 Resp: 1772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 68.0 | 31.5 | 94.5 |
| 227 | 65.4 | 31.9 | 95.7 |



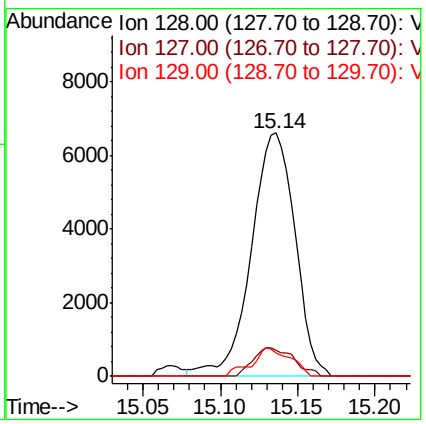


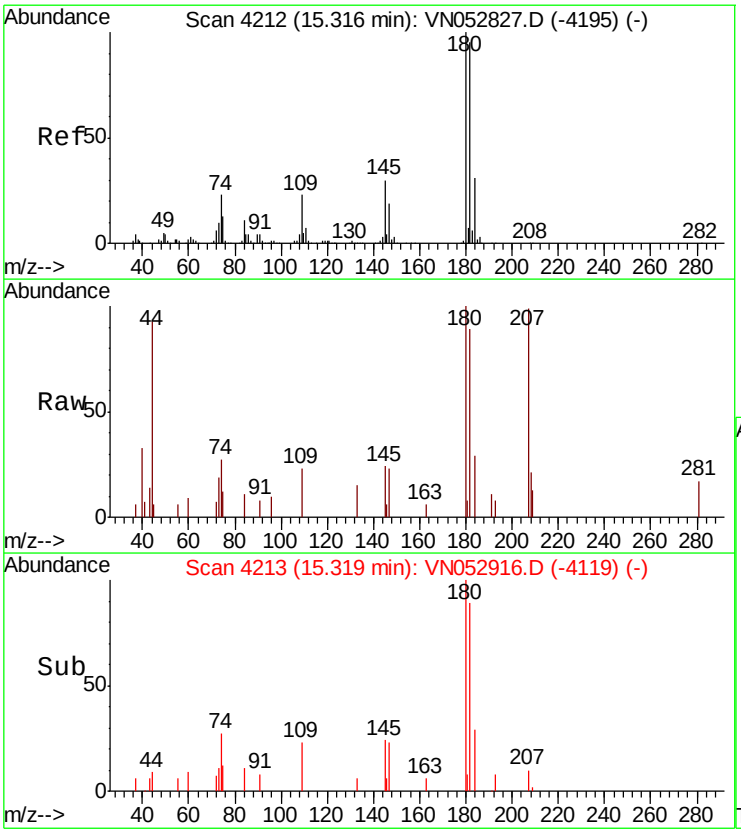

#95
Naphthalene
Concen: 0.497 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN1217WBL01

Tgt Ion:128 Resp: 13005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.0 | 10.2 | 15.4 |
| 129 | 10.3 | 8.6 | 13.0 |




#96
1,2,3-Trichlorobenzene
Concen: 0.457 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN052916.D
Acq: 17 Dec 2018 10:15

Tgt Ion:180 Resp: 5304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.4 | 47.9 | 143.7 |
| 145 | 28.4 | 15.0 | 45.0 |