Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050300.D
Acq On : 3 Aug 2018 7:06
Operator : MD\SY
Sample : J4303-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Quant Time: Aug 03 07:32:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 672693 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 1085660 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 905253 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 366589 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 461415 | 49.16 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.32% | | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 414066 | 46.71 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.42% | | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1462767 | 44.89 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.78% | | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 424851 | 39.59 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 79.18% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.06 | 50 | 2476 | 0.24 | ug/l | | 95 |
| 5) Bromomethane | 2.56 | 94 | 63 | Below Cal | | # | 57 |
| 16) Acetone | 3.83 | 43 | 19177 | 4.41 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.05 | 76 | 7840 | 0.33 | ug/l | # | 91 |
| 18) Methyl Acetate | 4.34 | 43 | 19323 | 0.64 | ug/l | | 97 |
| 20) Methylene Chloride | 4.55 | 84 | 1231 | Below Cal | | | 96 |
| 31) Cyclohexane | 7.67 | 56 | 12302 | 0.88 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 47817 | 3.91 | ug/l | # | 48 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 59674 | 4.60 | ug/l | # | 16 |
| 43) Isopropyl Acetate | 8.27 | 43 | 300362 | 17.96 | ug/l | # | 61 |
| 56) Ethyl methacrylate | 10.43 | 69 | 63 | 2.04 | ug/l | # | 1 |
| 59) 2-Hexanone | 10.75 | 43 | 193 | 5.20 | ug/l | # | 24 |
| 70) Styrene | 12.25 | 104 | 118 | 0.93 | ug/l | # | 1 |
| 71) Bromoform | 12.40 | 173 | 3714 | 0.58 | ug/l | # | 1 |
| 73) Isopropylbenzene | 12.25 | 105 | 5853 | 0.21 | ug/l | | 96 |
| 75) 1,1,2,2-Tetrachloroethane | 12.50 | 83 | 30 | Below Cal | | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 210373 | 30.88 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 210373 | 97.94 | ug/l | # | 13 |
| 83) tert-Butylbenzene | 13.00 | 119 | 14887 | 0.76 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.17 | 105 | 13542 | 0.52 | ug/l | # | 1 |
| 86) p-Isopropyltoluene | 13.44 | 119 | 31997 | 1.46 | ug/l | | 97 |
| 90) Hexachloroethane | 13.88 | 117 | 1196 | 0.25 | ug/l | # | 4 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.33 | 75 | 264 | Below Cal | | # | 1 |
| 95) Naphthalene | 15.10 | 128 | 1157 | 4.48 | ug/l | # | 1 |

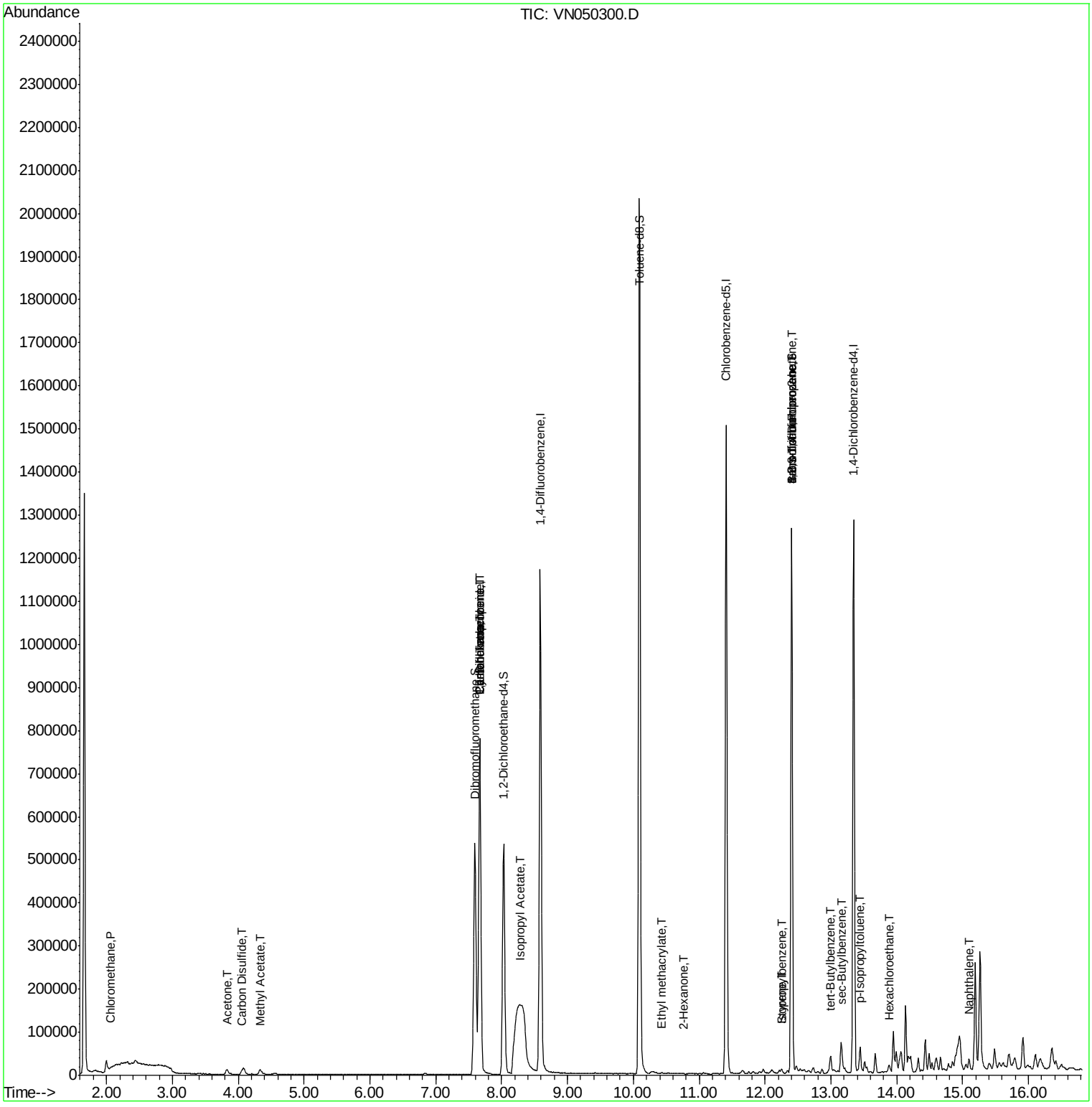
(#) = qualifier out of range (m) = manual integration (+) = signals summed

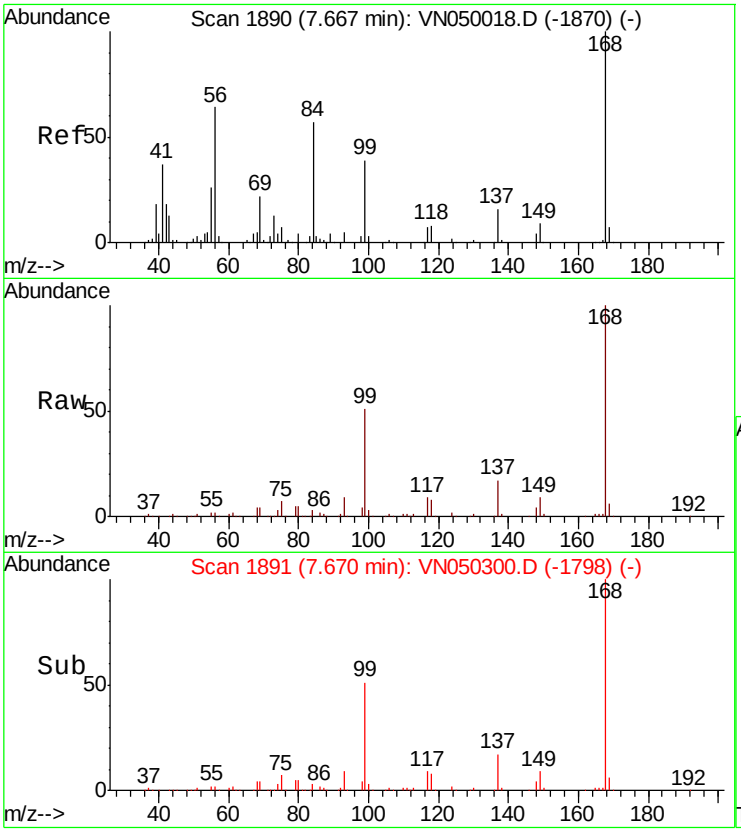
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080218\
Data File : VN050300.D
Acq On : 3 Aug 2018 7:06
Operator : MD\SY
Sample : J4303-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Quant Time: Aug 03 07:32:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration



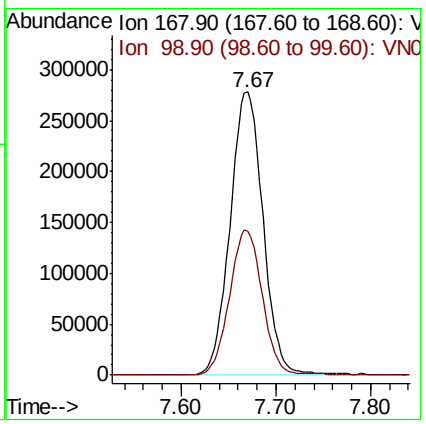


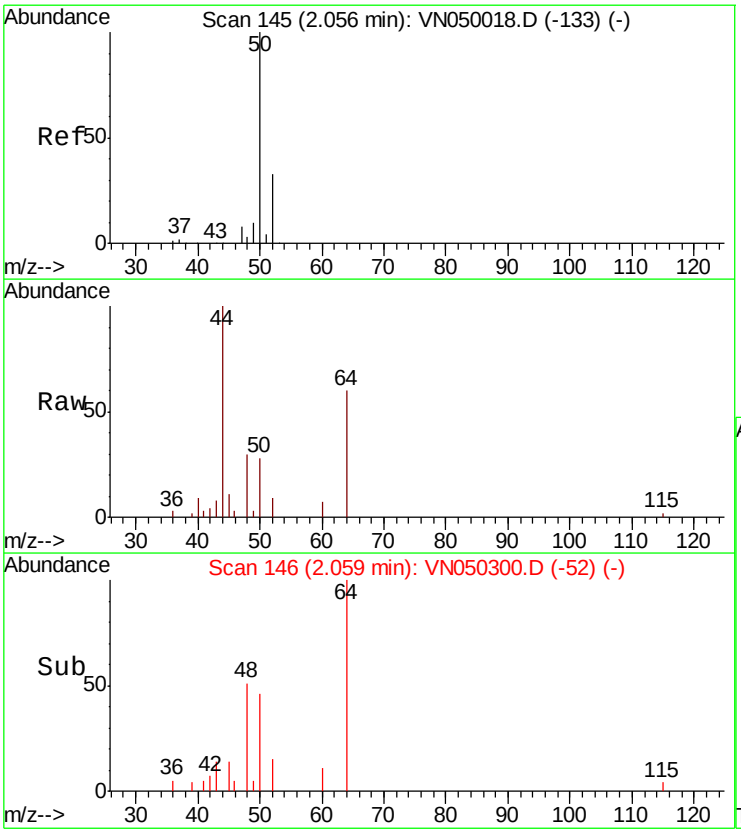

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion:168 Resp: 672693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.9 | 40.0 | 60.0 |

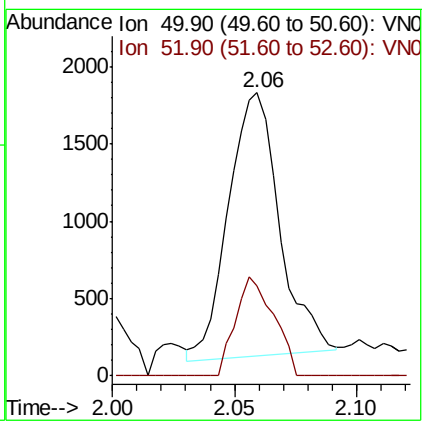


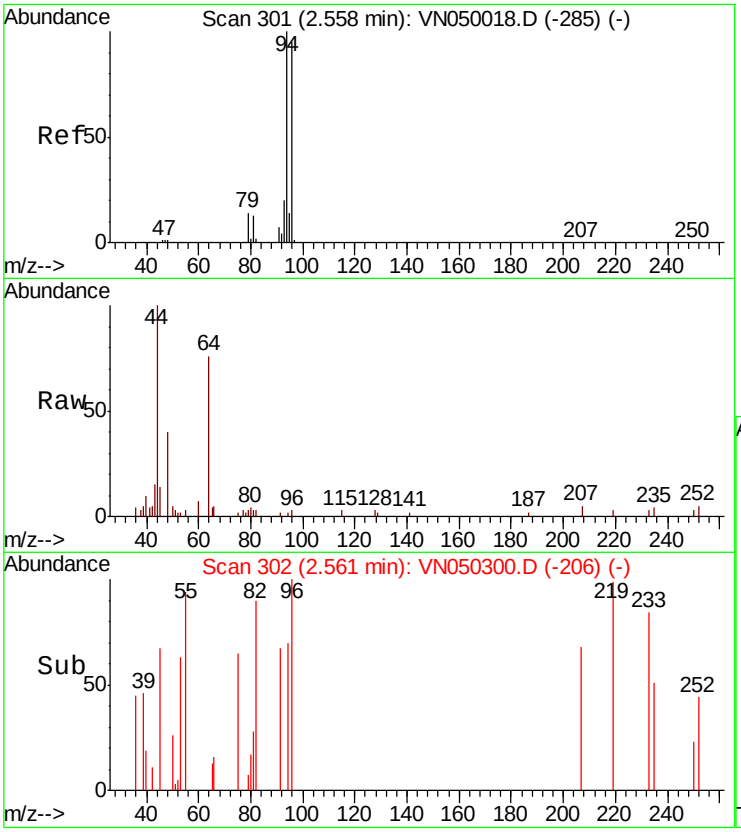




#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 50 Resp: 2476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.3 | 25.9 | 38.9 |



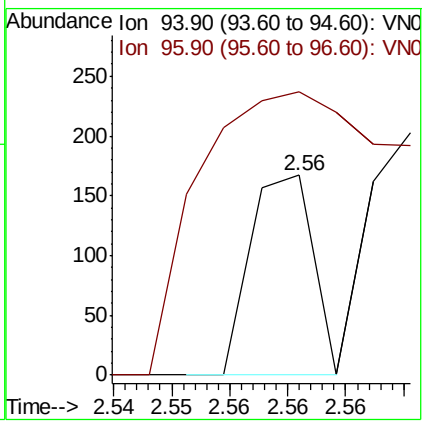


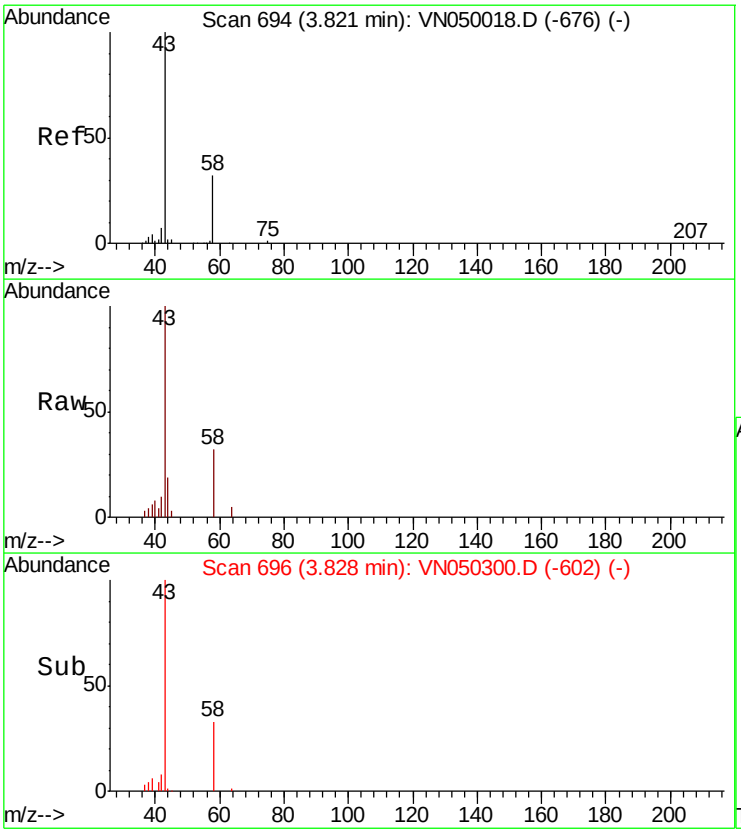

#5
Bromomethane
Concen: Below Cal
RT: 2.56 min Scan# 302
Delta R.T. 0.01 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion: 94 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 51.5 | 74.6 | 112.0# |

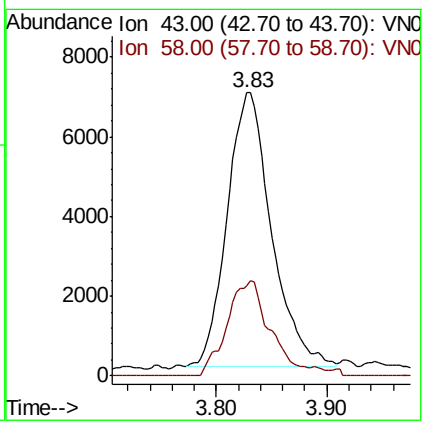


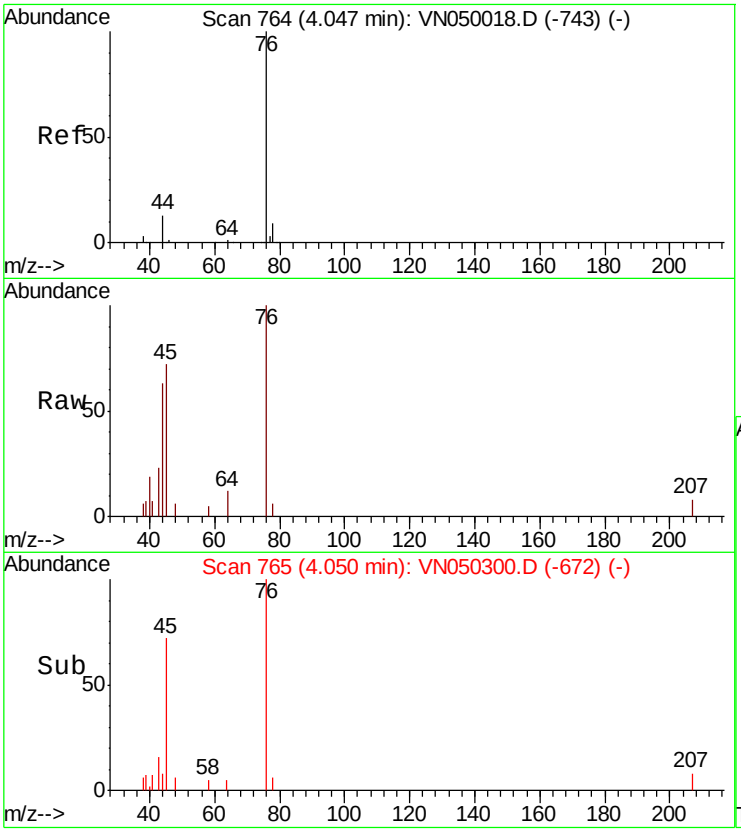




#16
Acetone
Concen: 4.41 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 43 Resp: 19177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.9 | 25.8 | 38.8 |



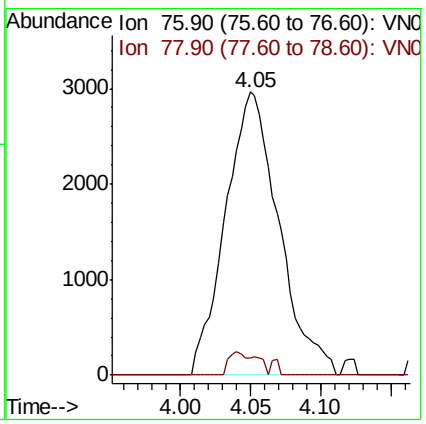


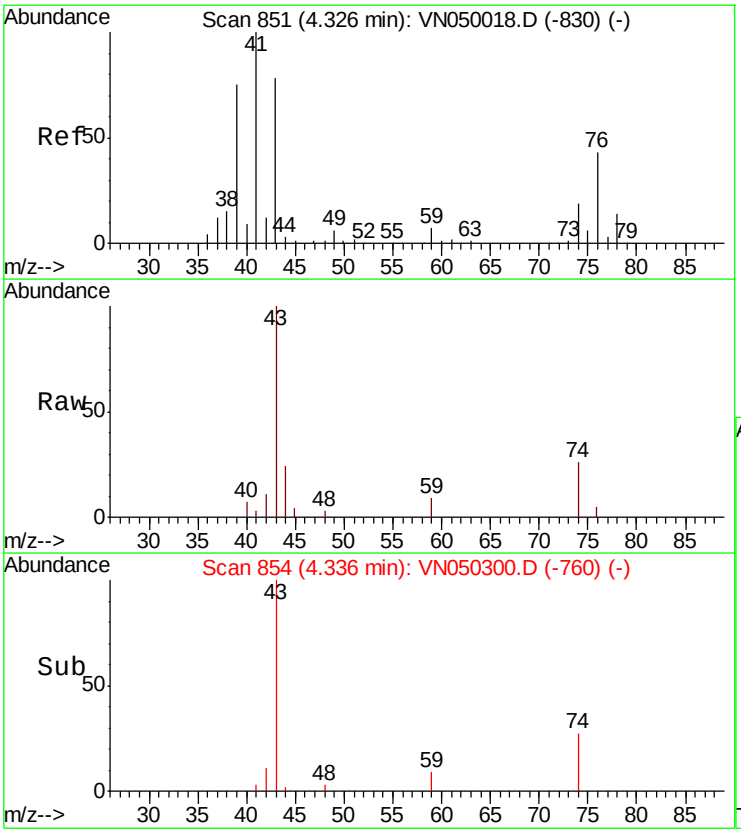

#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion: 76 Resp: 7840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 5.9 | 7.3 | 10.9# |

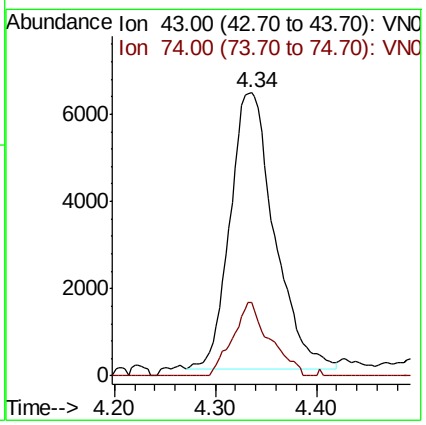


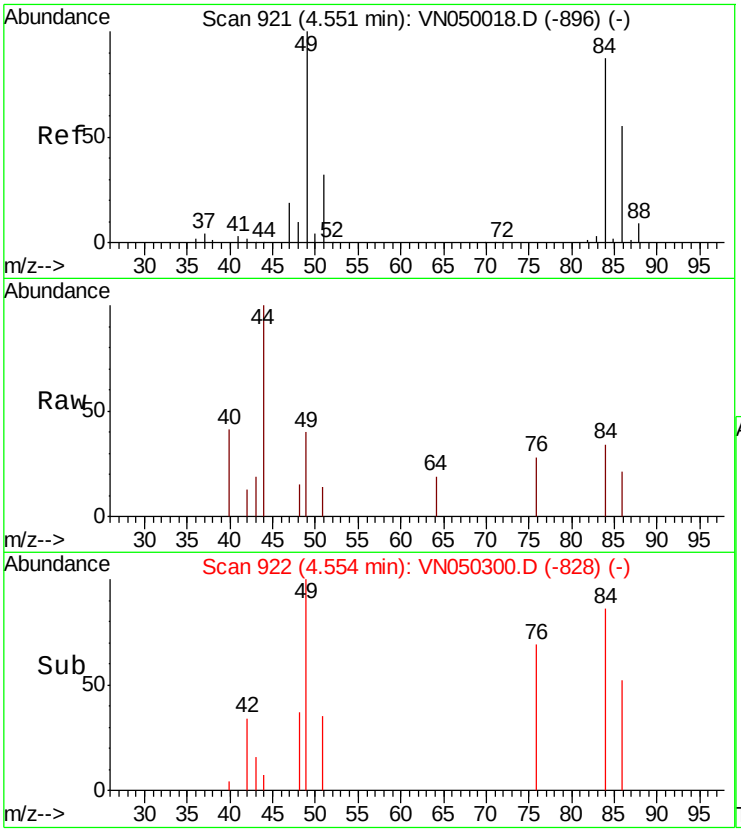




#18
Methyl Acetate
Concen: 0.64 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 43 Resp: 19323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.3 | 19.2 | 28.8 |



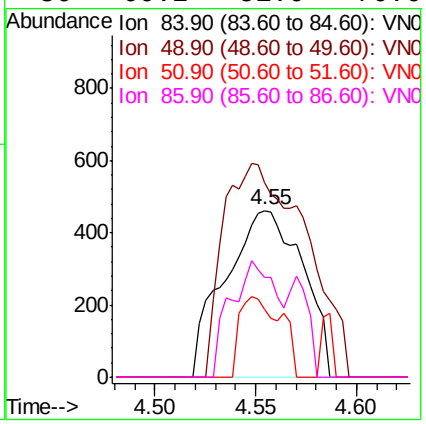


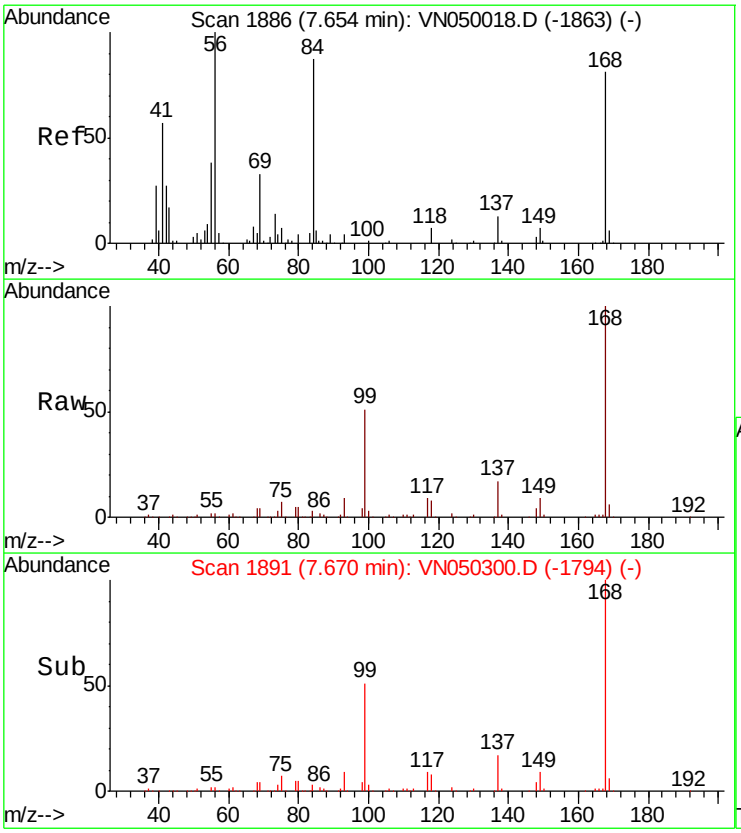

#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion: 84 Resp: 1231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.5 | 94.8 | 142.2 |
| 51 | 40.9 | 28.3 | 42.5 |
| 86 | 60.2 | 51.0 | 76.6 |

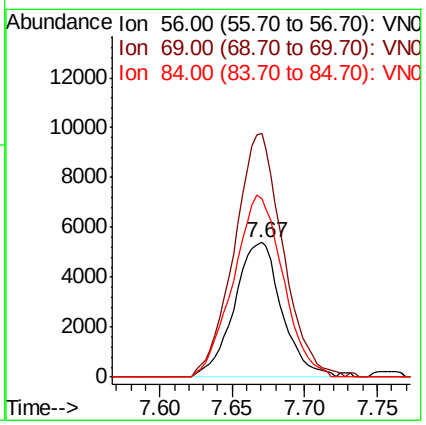


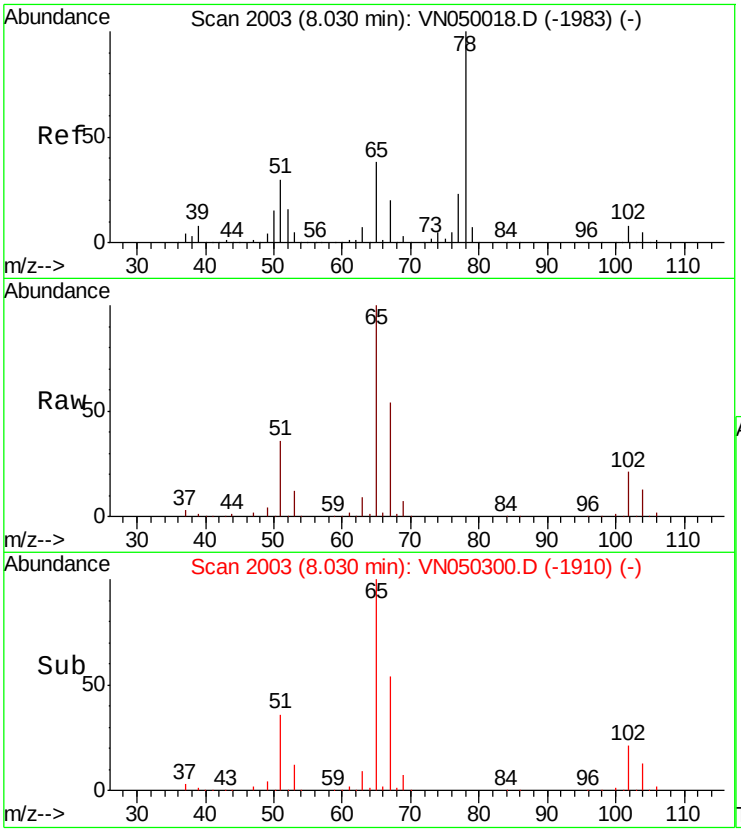




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 56 Resp: 12302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 180.8 | 26.2 | 39.4# |
| 84 | 132.4 | 67.4 | 101.0# |



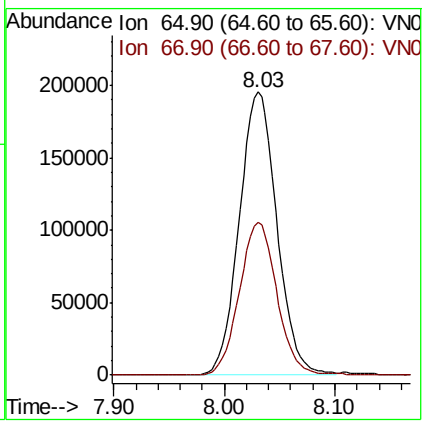


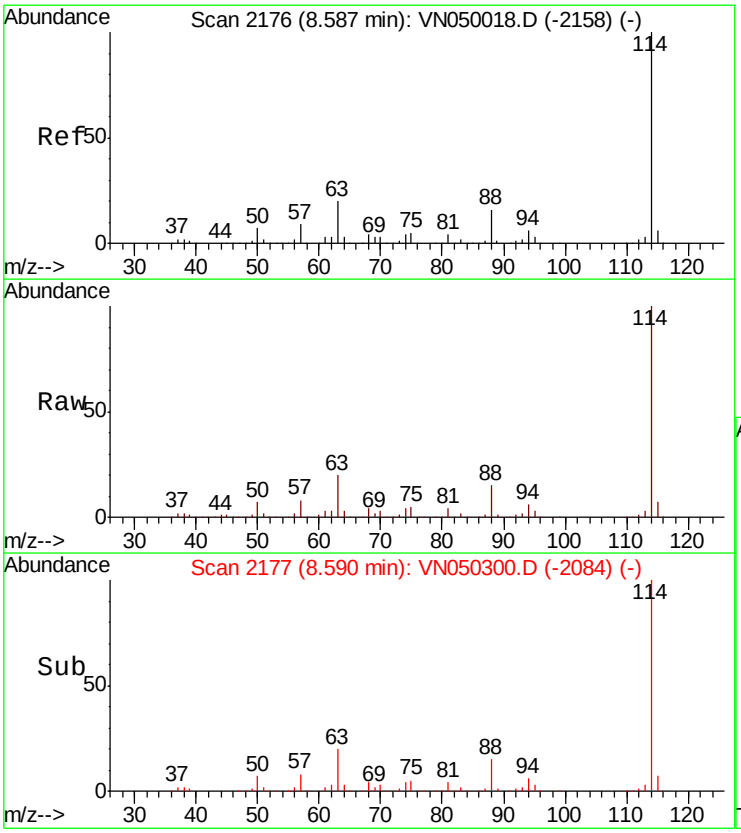

#33
1,2-Dichloroethane-d4
Concen: 49.16 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion: 65 Resp: 461415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.2 | 0.0 | 108.4 |

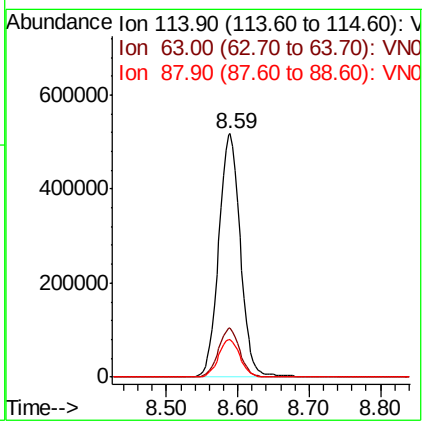


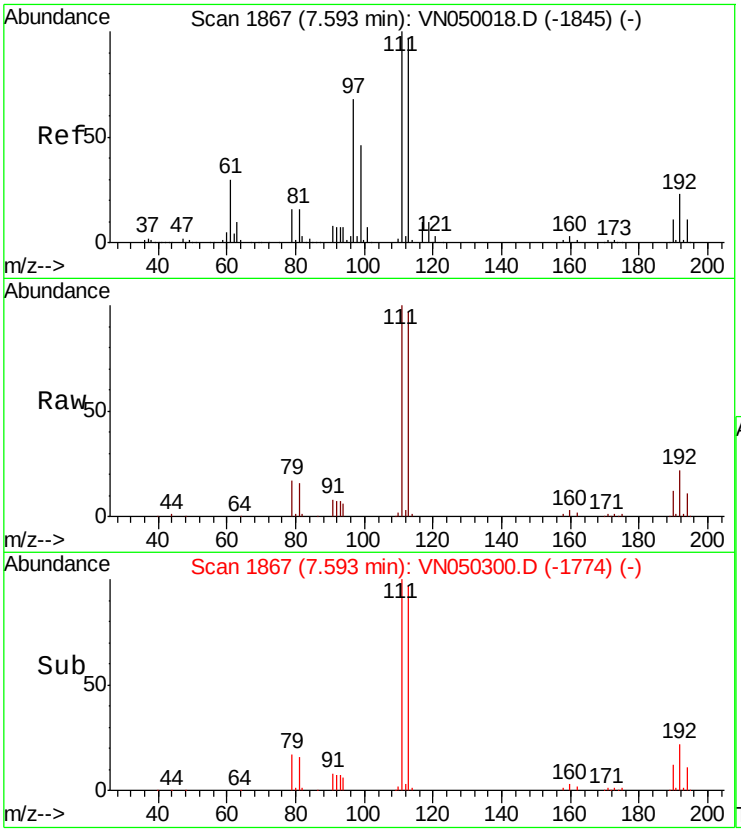




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:114 Resp: 1085660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 40.0 |
| 88 | 15.3 | 0.0 | 31.2 |



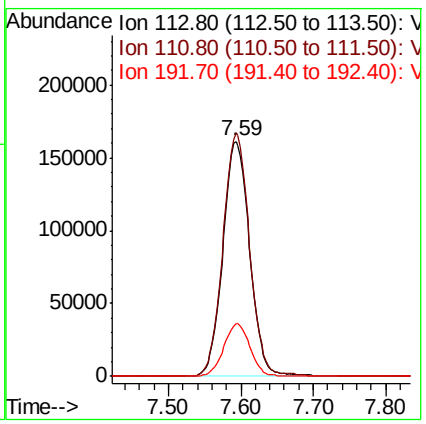


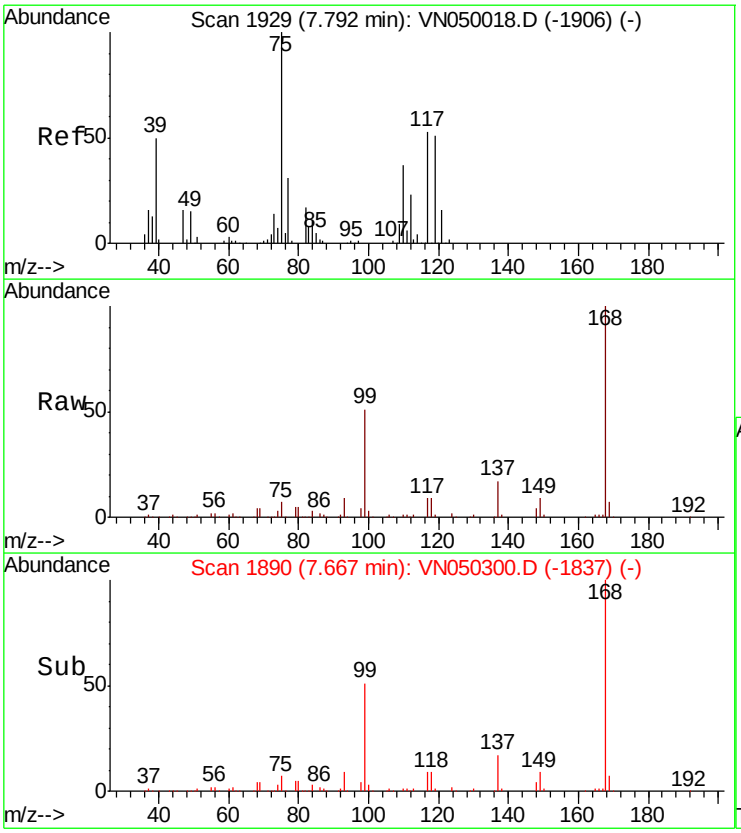

#35
Dibromofluoromethane
Concen: 46.71 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion:113 Resp: 414066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 80.7 | 121.1 |
| 192 | 22.1 | 17.8 | 26.6 |

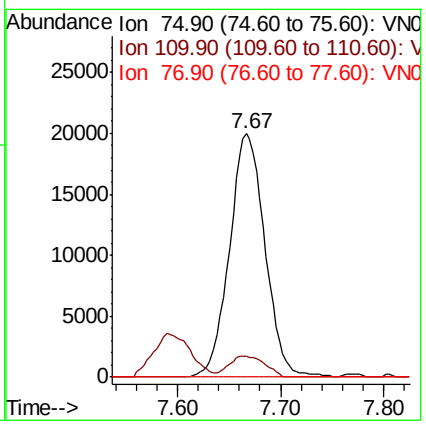


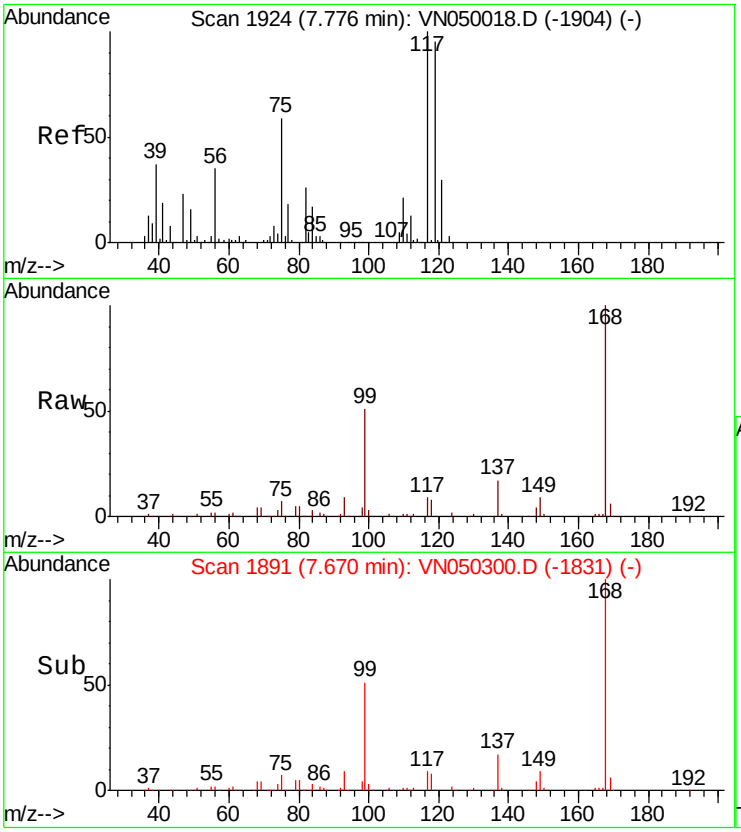




#36
1,1-Dichloropropene
Concen: 3.91 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 75 Resp: 47817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.7 | 18.4 | 55.2# |
| 77 | 0.0 | 25.3 | 37.9# |



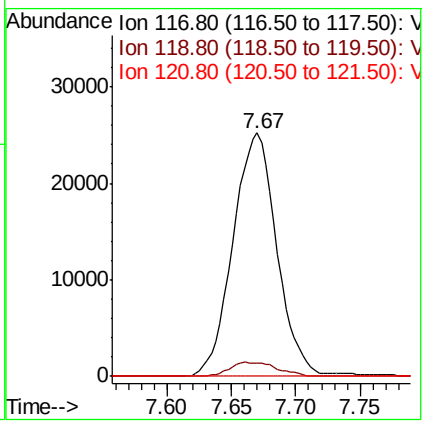


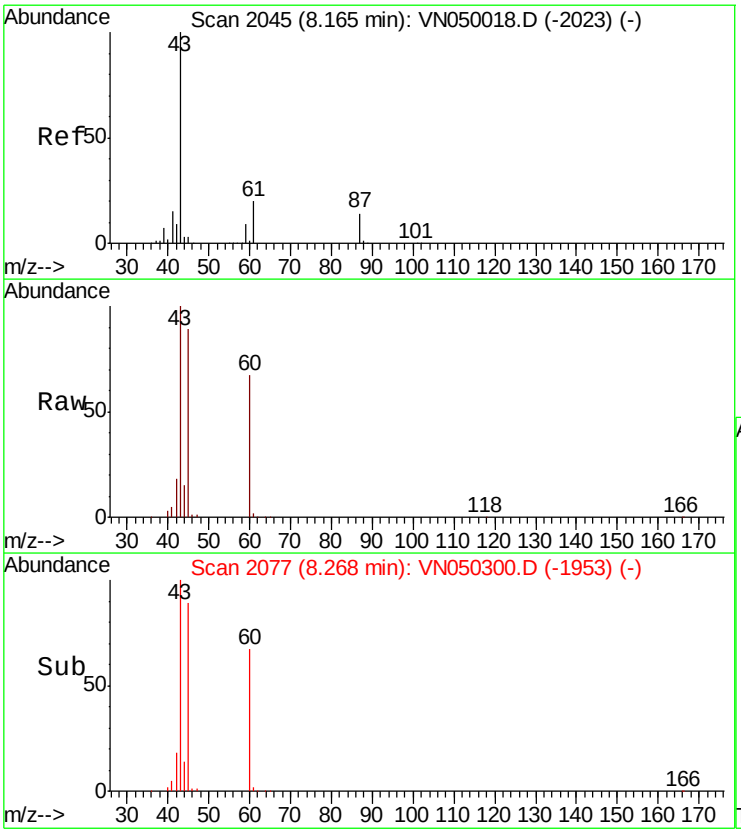

#38
Carbon Tetrachloride
Concen: 4.60 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion:117 Resp: 59674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.4 | 77.4 | 116.0# |
| 121 | 0.0 | 23.9 | 35.9# |

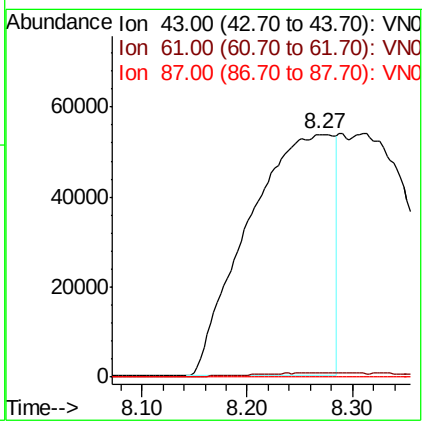


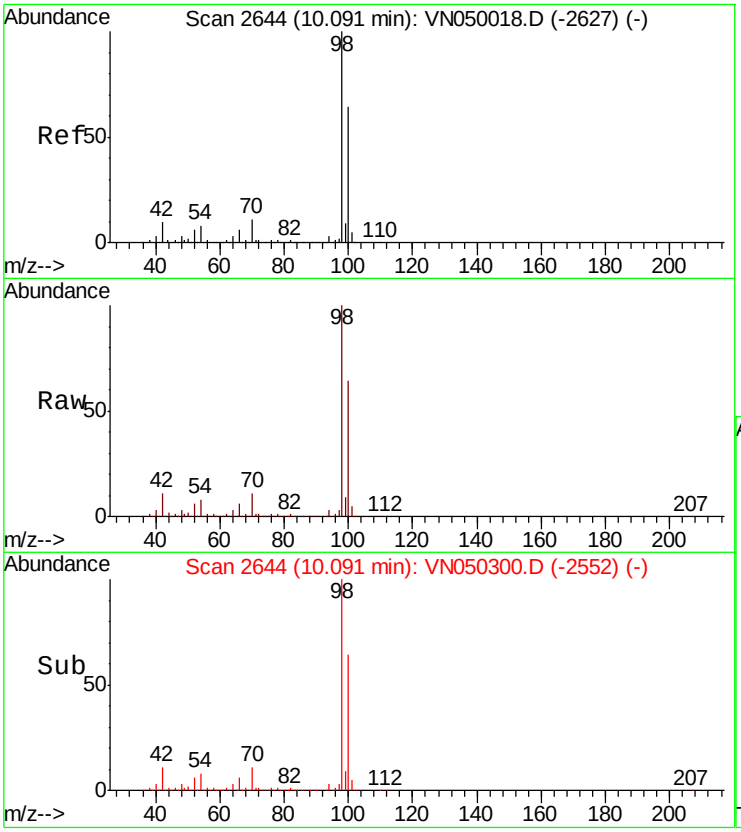




#43
Isopropyl Acetate
Concen: 17.96 ug/l
RT: 8.27 min Scan# 2077
Delta R.T. 0.10 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 43 Resp: 300362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 15.8 | 23.6# |
| 87 | 0.0 | 10.3 | 15.5# |



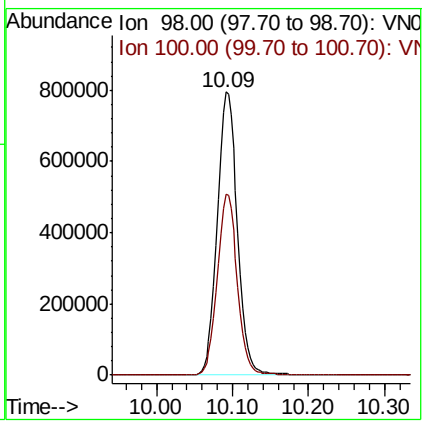


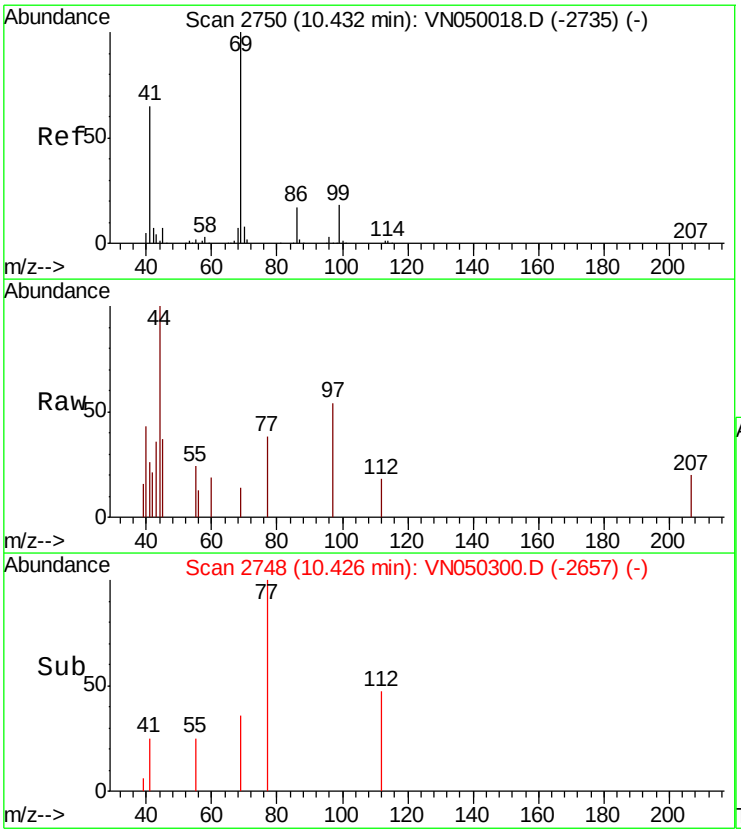

#50
Toluene-d8
Concen: 44.89 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion: 98 Resp: 1462767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.6 | 50.7 | 76.1 |

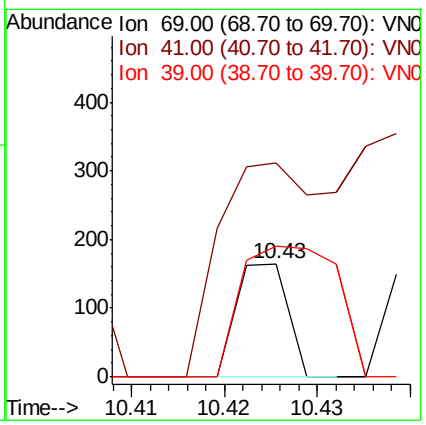


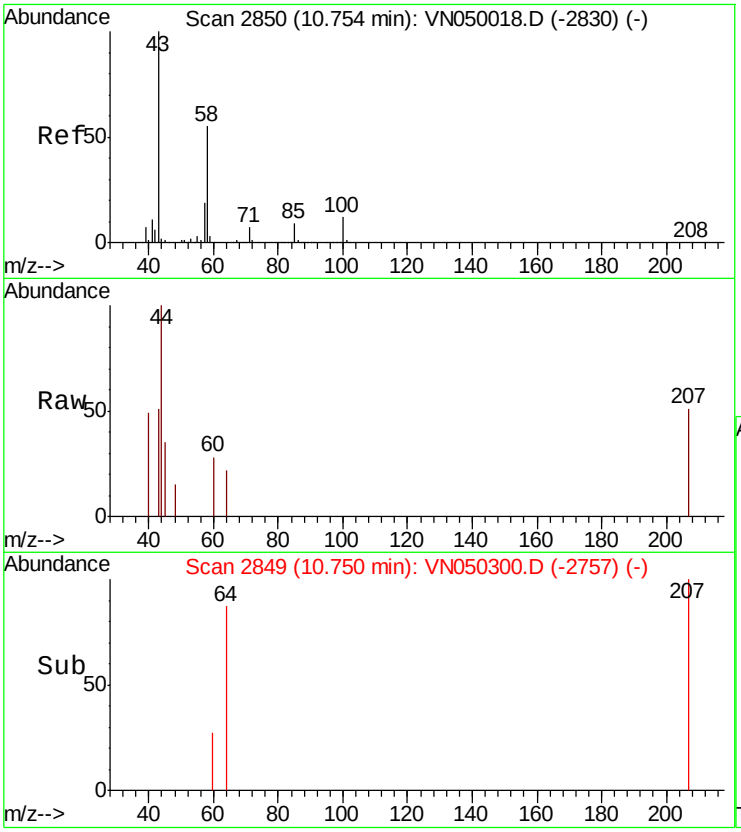




#56
Ethyl methacrylate
Concen: 2.04 ug/l
RT: 10.43 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 69 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 336.5 | 51.0 | 76.4# |
| 39 | 217.5 | 26.6 | 40.0# |



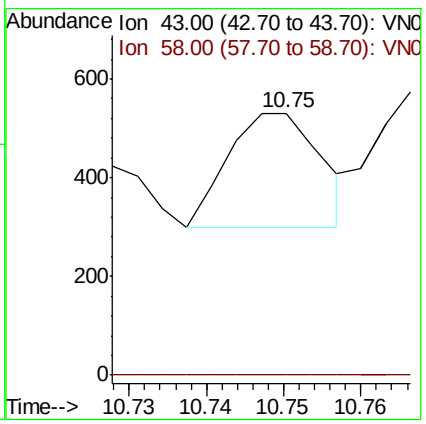


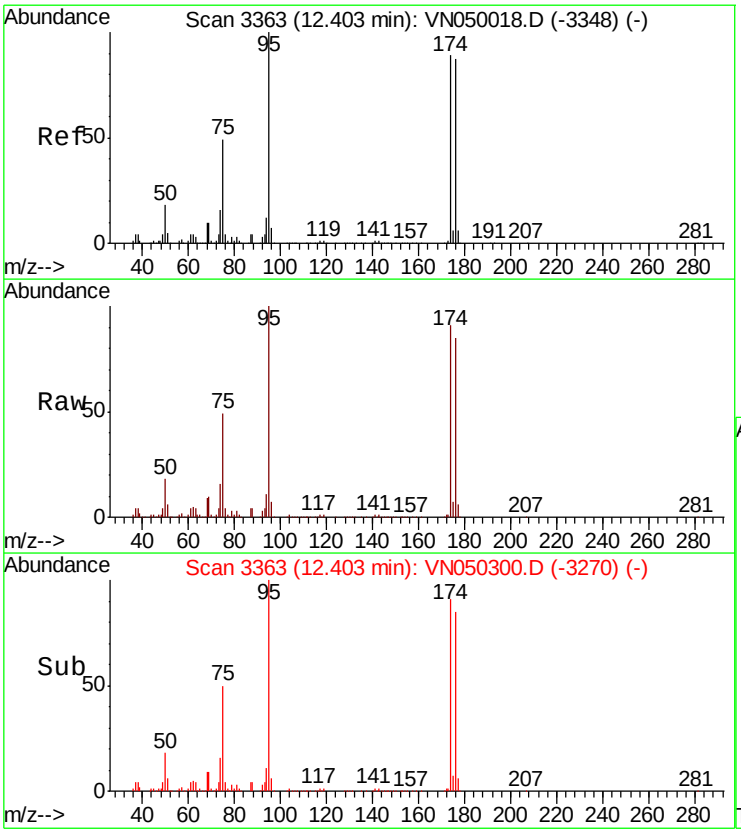

#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion: 43 Resp: 193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 27.6 | 82.7# |

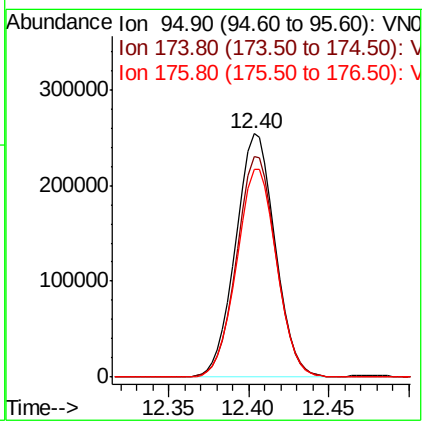


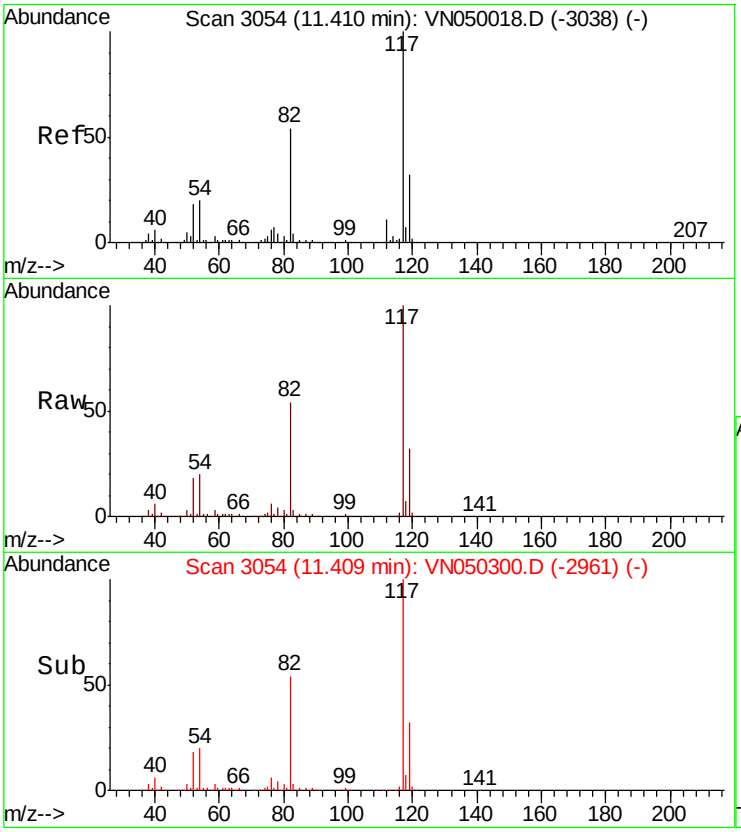




#62
4-Bromofluorobenzene
Concen: 39.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 95 Resp: 424851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.3 | 0.0 | 178.2 |
| 176 | 87.2 | 0.0 | 173.4 |



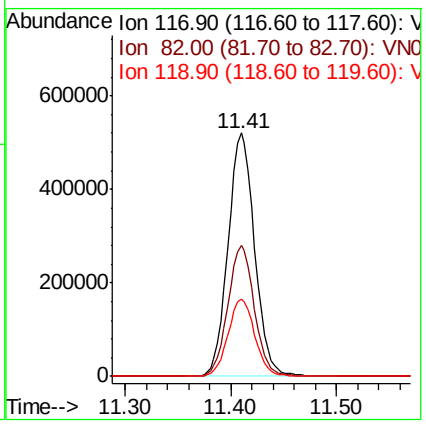


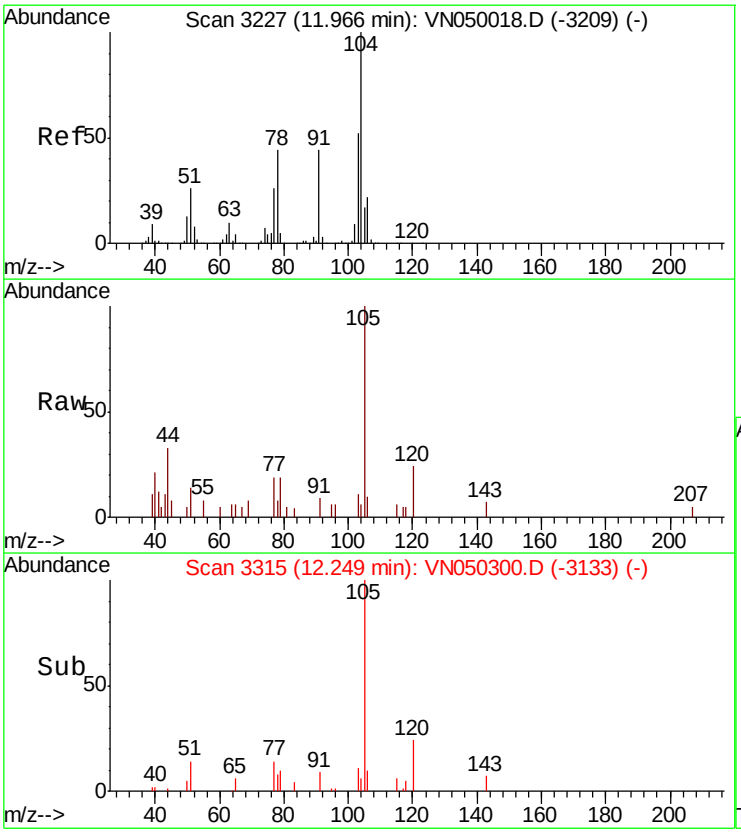

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion:117 Resp: 905253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 43.7 | 65.5 |
| 119 | 31.9 | 26.1 | 39.1 |

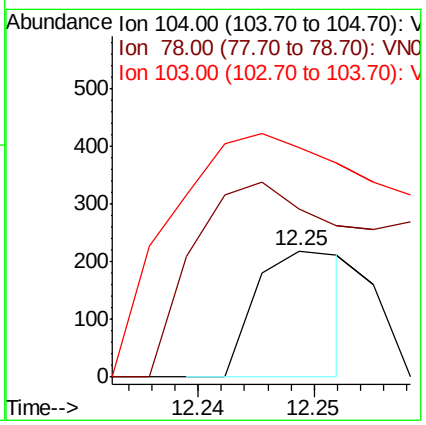


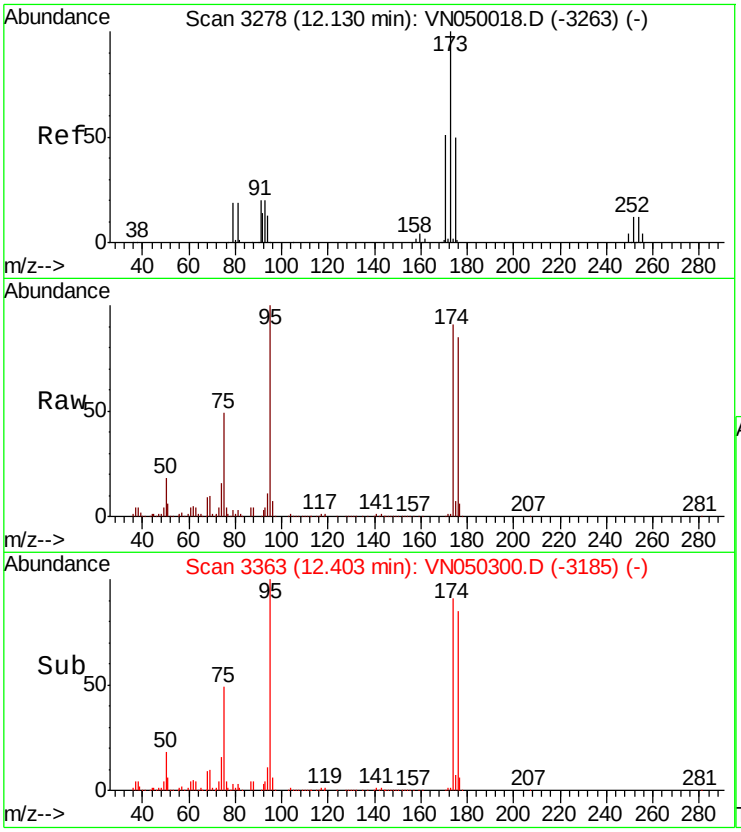




#70
Styrene
Concen: 0.93 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.28 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:104 Resp: 118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 231.4 | 39.3 | 58.9# |
| 103 | 350.0 | 45.0 | 67.6# |



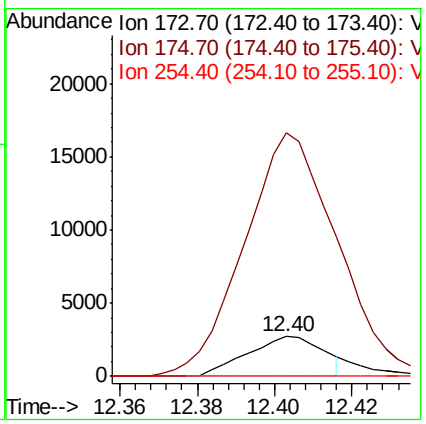


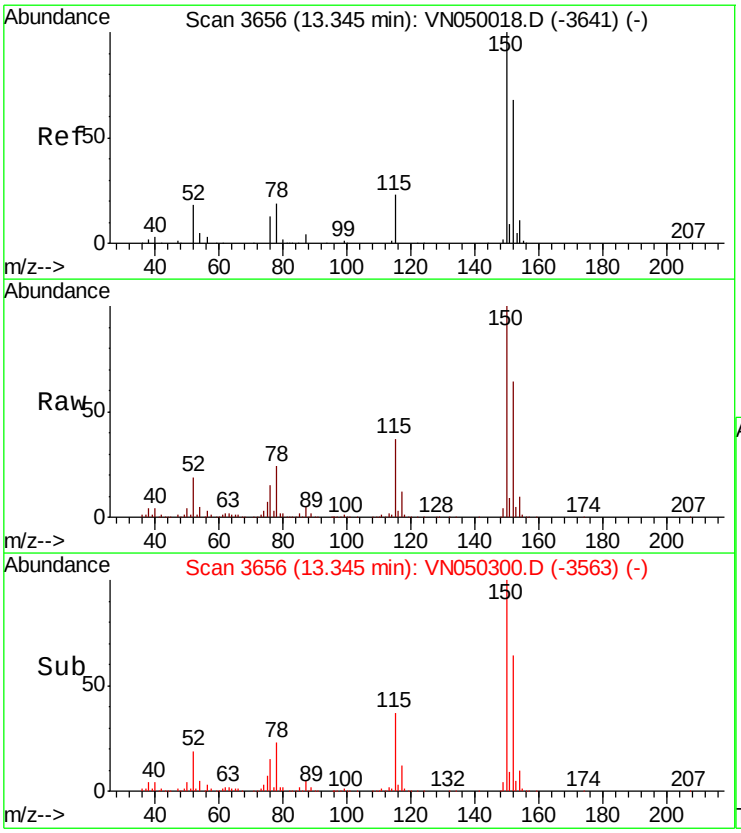

#71
Bromoform
Concen: 0.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion:173 Resp: 3714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 648.2 | 24.1 | 72.2# |
| 254 | 0.0 | 0.2 | 0.2# |

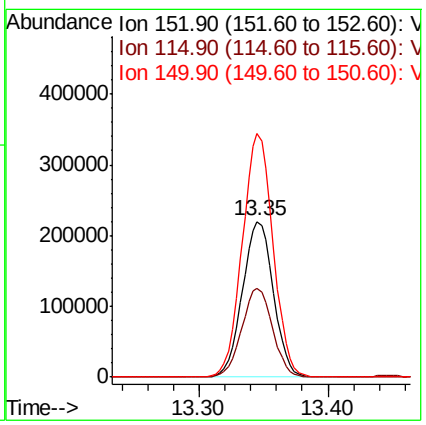


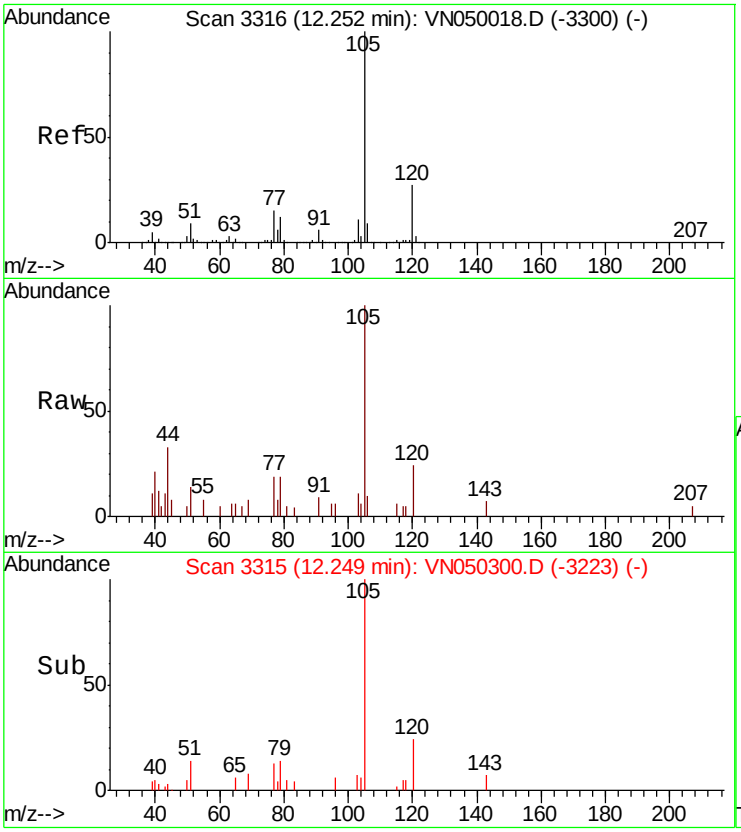




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:152 Resp: 366589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.7 | 27.8 | 83.3 |
| 150 | 155.5 | 0.0 | 348.6 |



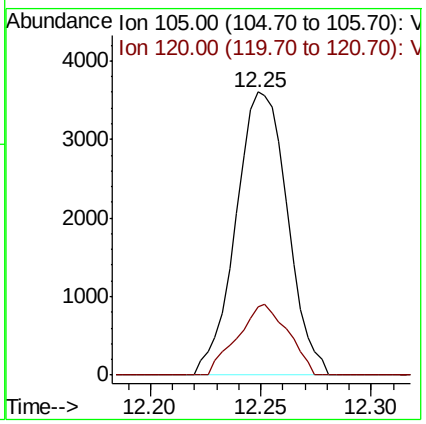


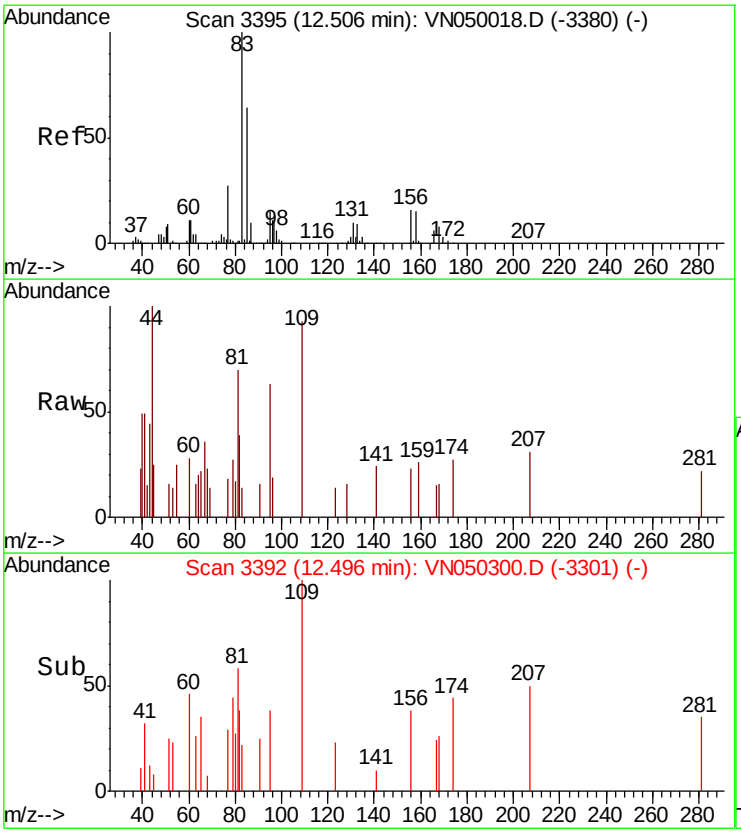

#73
Isopropylbenzene
Concen: 0.21 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :** MSVOA_N
**ClientSampleId :** MW-A03

Tgt Ion:105 Resp: 5853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.4 | 13.3 | 39.8 |

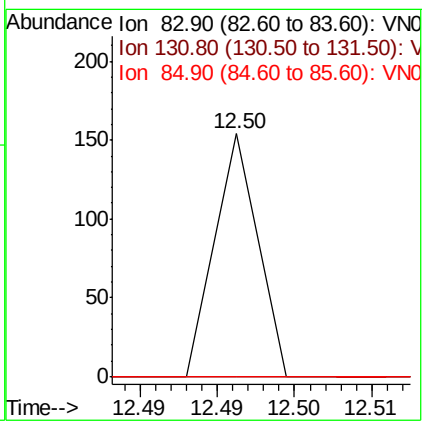


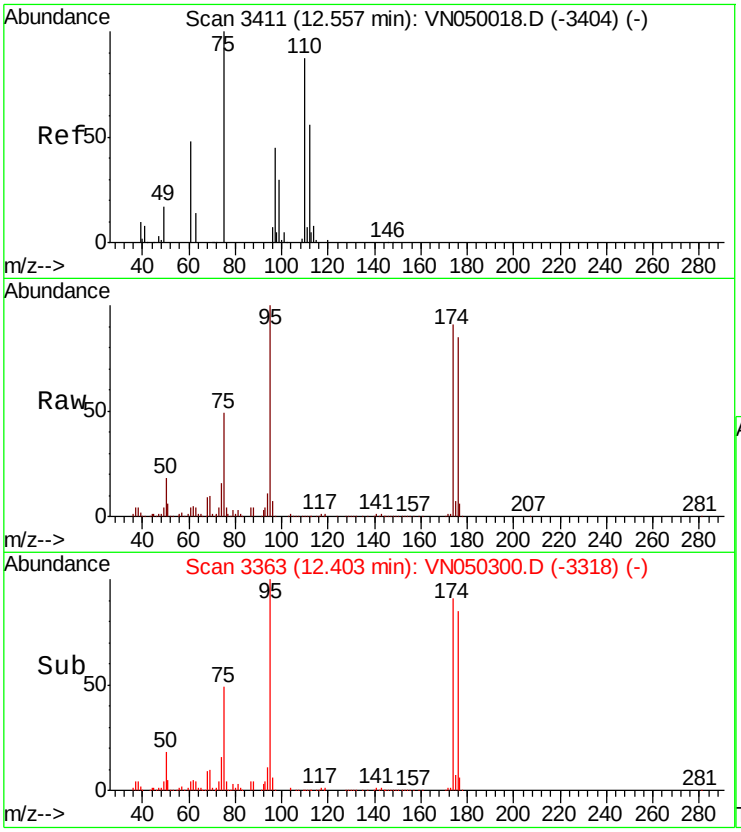




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.50 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 83 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 303.3 | 5.1 | 15.3# |
| 85 | 0.0 | 32.3 | 96.8# |



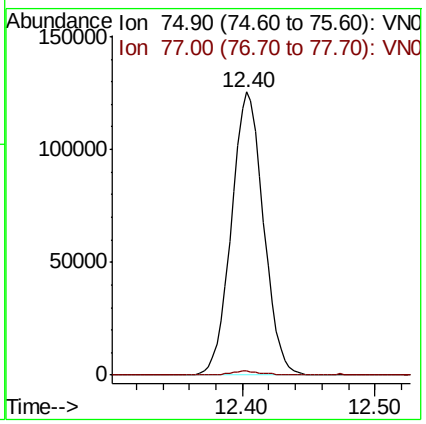


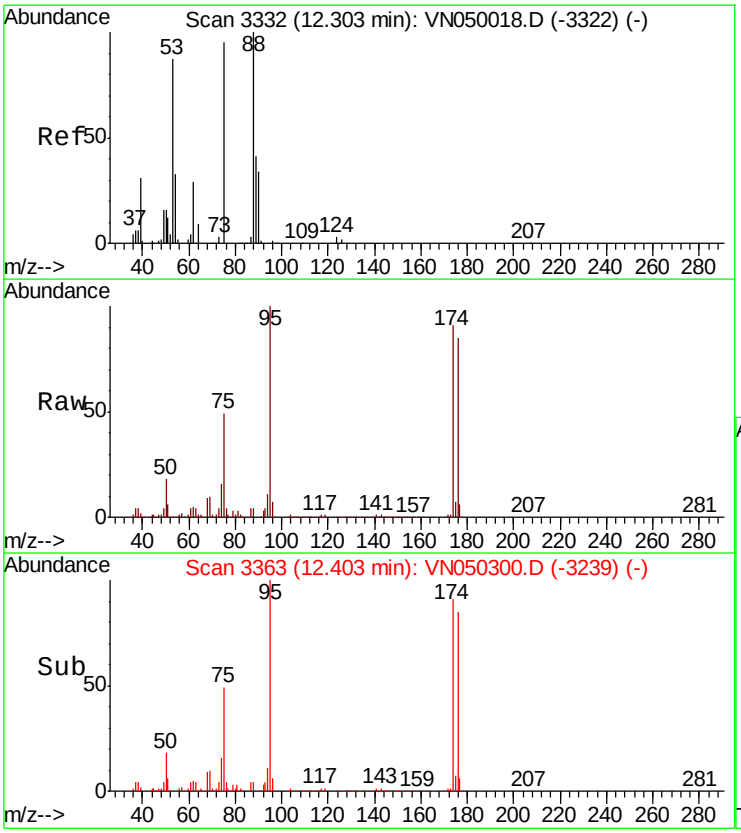

#76
1,2,3-Trichloropropane
Concen: 30.88 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.15 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion: 75 Resp: 210373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 0.0 | 0.0# |

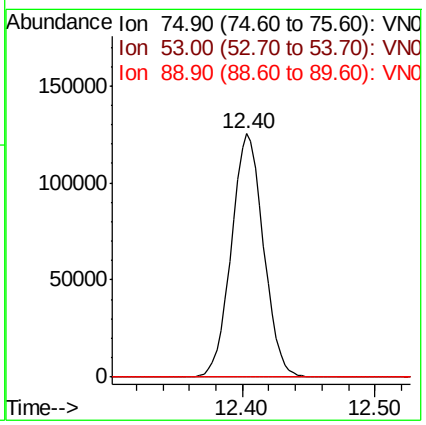


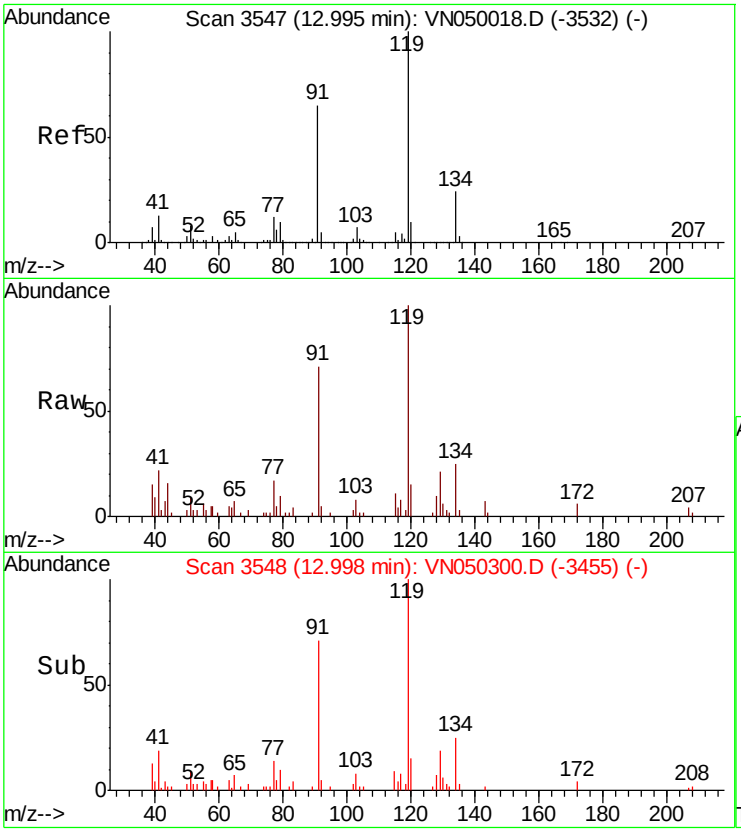




#81
trans-1,4-Dichloro-2-butene
Concen: 97.94 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion: 75 Resp: 210373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 73.5 | 110.3# |
| 89 | 0.0 | 36.0 | 54.0# |



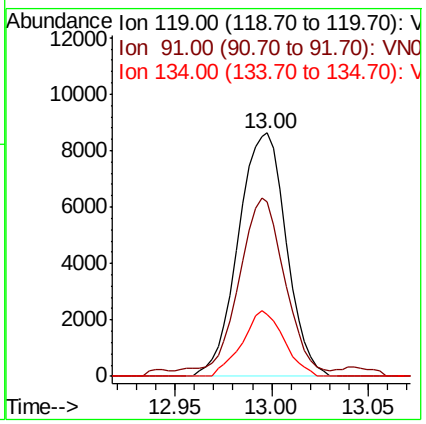


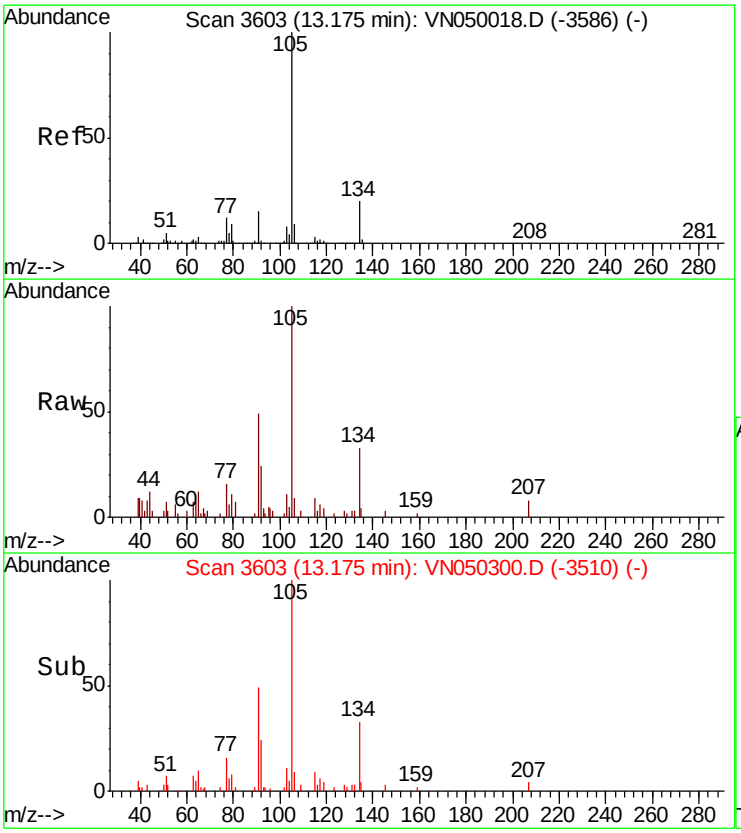

#83
tert-Butylbenzene
Concen: 0.76 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion:119 Resp: 14887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.8 | 32.1 | 96.3 |
| 134 | 23.4 | 13.2 | 39.5 |

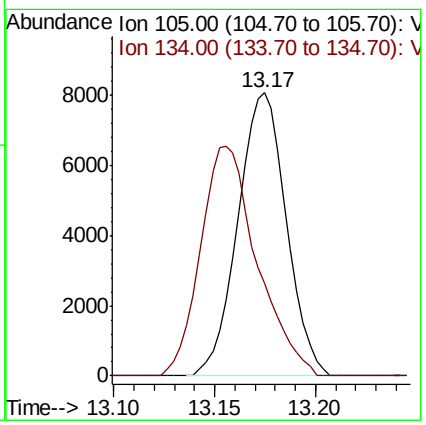


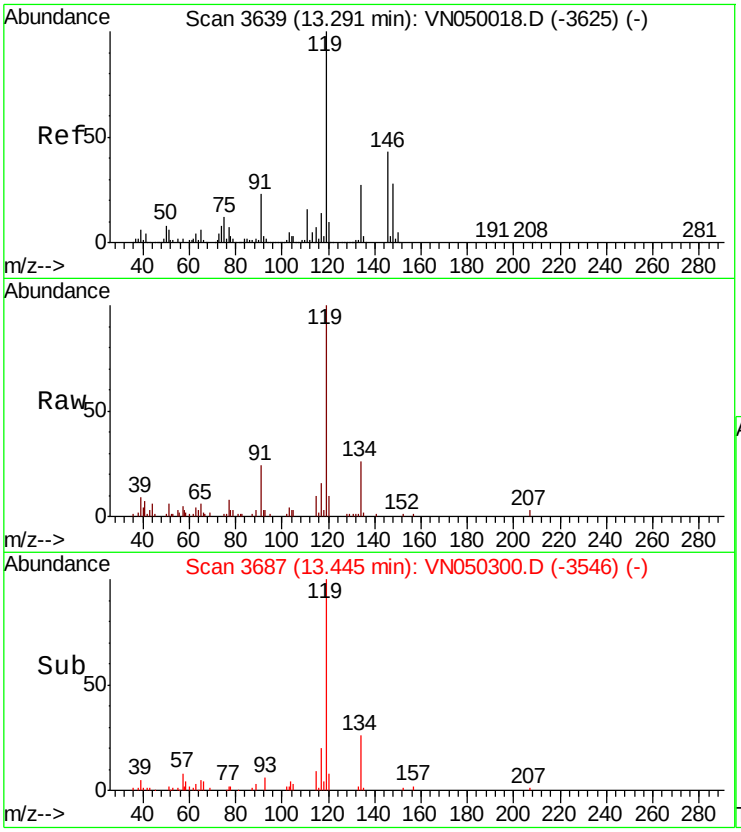




#85
sec-Butylbenzene
Concen: 0.52 ug/l
RT: 13.17 min Scan# 3603
Delta R.T. -0.00 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:105 Resp: 13542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 93.7 | 10.1 | 30.1# |



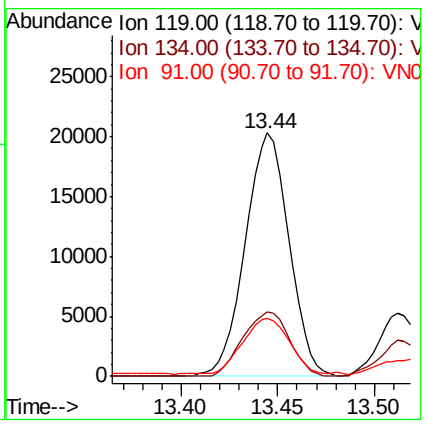


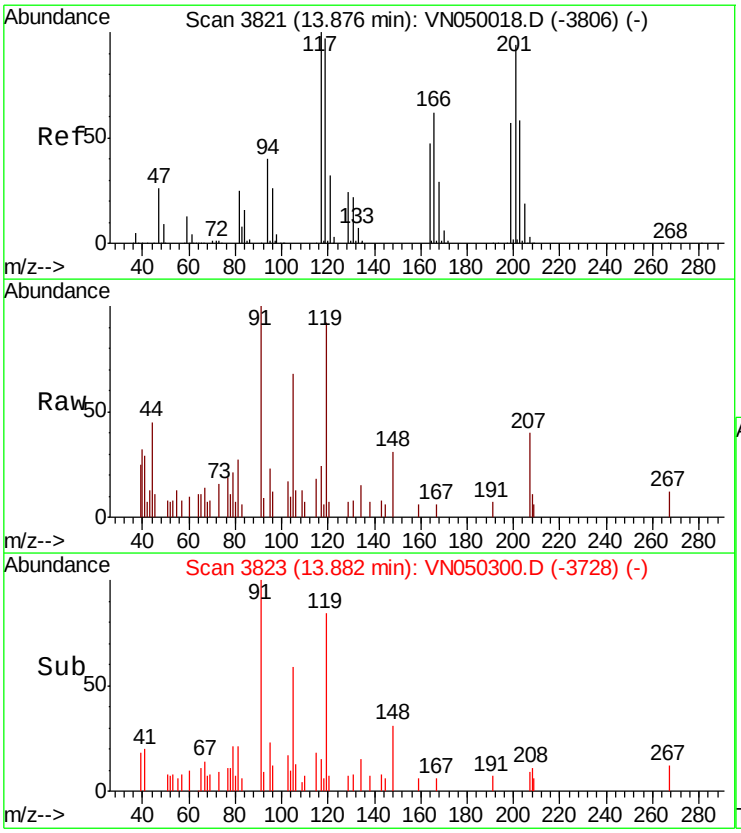

#86
p-Isopropyltoluene
Concen: 1.46 ug/l
RT: 13.44 min Scan# 3687
Delta R.T. 0.15 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion:119 Resp: 31997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 28.1 | 13.3 | 39.8 |
| 91 | 24.1 | 11.4 | 34.2 |

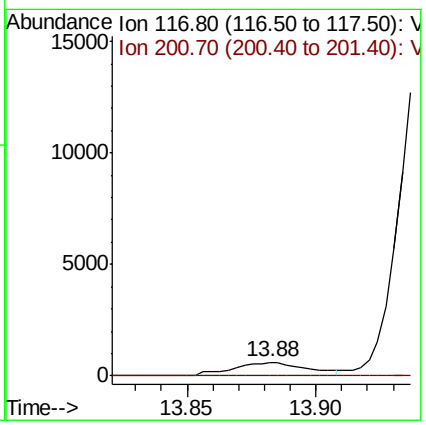


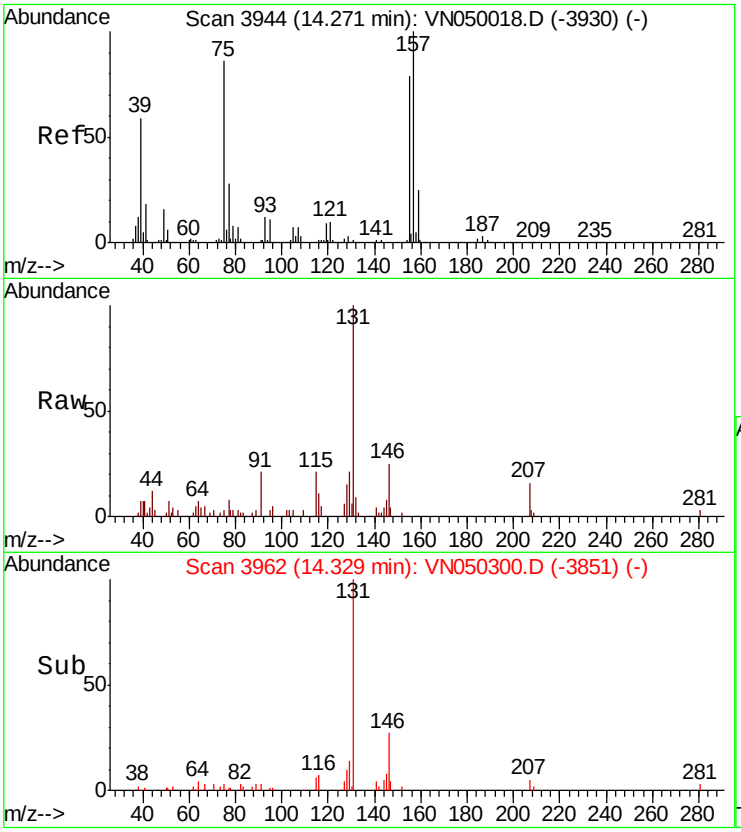




#90
Hexachloroethane
Concen: 0.25 ug/l
RT: 13.88 min Scan# 3823
Delta R.T. 0.01 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:117 Resp: 1196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 45.6 | 136.8# |



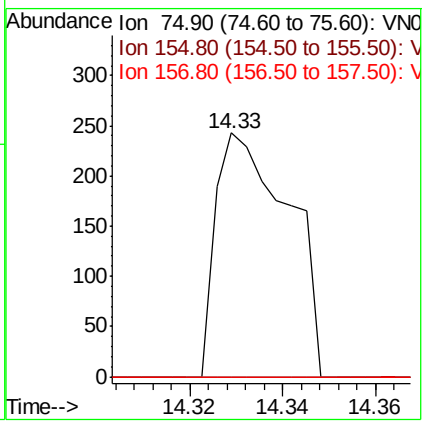


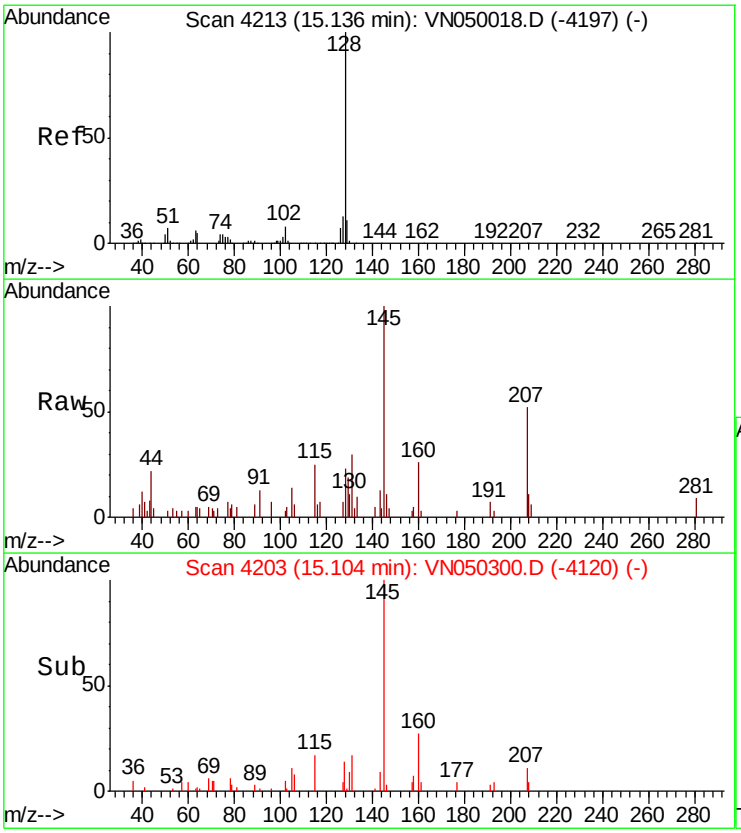

#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.33 min Scan# 3962
Delta R.T. 0.06 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-A03

Tgt Ion: 75 Resp: 264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 44.8 | 134.4# |
| 157 | 0.0 | 57.2 | 171.6# |




#95
Naphthalene
Concen: 4.48 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. -0.03 min
Lab File: VN050300.D
Acq: 3 Aug 2018 7:06

Tgt Ion:128 Resp: 1157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 77.8 | 10.4 | 15.6# |
| 129 | 205.4 | 8.8 | 13.2# |