Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
Data File : VN052389.D
Acq On : 19 Nov 2018 17:07
Operator : MD\SY
Sample : PB114846ZHE#05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Quant Time: Nov 20 07:13:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 285676 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 473730 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 407754 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 138058 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 206866 | 51.27 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.54% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 156004 | 51.06 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.12% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 601290 | 50.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.04% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 175464 | 44.37 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.74% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.73 | 59 | 67 | 0.314 | ug/l # | 72 |
| 13) Acrolein | 3.65 | 56 | 29 | 21.853 | ug/l # | 14 |
| 16) Acetone | 3.83 | 43 | 4805 | 4.325 | ug/l | 95 |
| 18) Methyl Acetate | 4.32 | 43 | 517 | 0.596 | ug/l # | 57 |
| 20) Methylene Chloride | 4.56 | 84 | 7859 | 1.648 | ug/l | 96 |
| 25) 2-Butanone | 6.86 | 43 | 868 | 0.555 | ug/l # | 52 |
| 29) Tetrahydrofuran | 7.22 | 42 | 241 | 0.235 | ug/l # | 40 |
| 31) Cyclohexane | 7.66 | 56 | 8940 | 0.405 | ug/l # | 37 |
| 36) 1,1-Dichloropropene | 7.66 | 75 | 26954 | 5.677 | ug/l # | 47 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 31923 | 7.318 | ug/l # | 16 |
| 41) Methacrylonitrile | 7.18 | 41 | 67 | 3.728 | ug/l # | 100 |
| 43) Isopropyl Acetate | 8.17 | 43 | 16533 | 2.486 | ug/l | 98 |
| 48) Methyl methacrylate | 9.18 | 41 | 5626 | 1.667 | ug/l # | 33 |
| 51) 4-Methyl-2-Pentanone | 10.03 | 43 | 4873 | 1.456 | ug/l # | 41 |
| 54) cis-1,3-Dichloropropene | 9.90 | 75 | 31038 | 5.903 | ug/l # | 76 |
| 57) 1,3-Dichloropropane | 10.76 | 76 | 6697 | 1.285 | ug/l # | 43 |
| 59) 2-Hexanone | 10.76 | 43 | 113648 | 49.363 | ug/l # | 55 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 102839 | 43.900 | ug/l # | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 7376 | 0.836 | ug/l | 97 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 102839 | 142.384 | ug/l # | 5 |
| 95) Naphthalene | 15.14 | 128 | 30 | 2.610 | ug/l # | 69 |

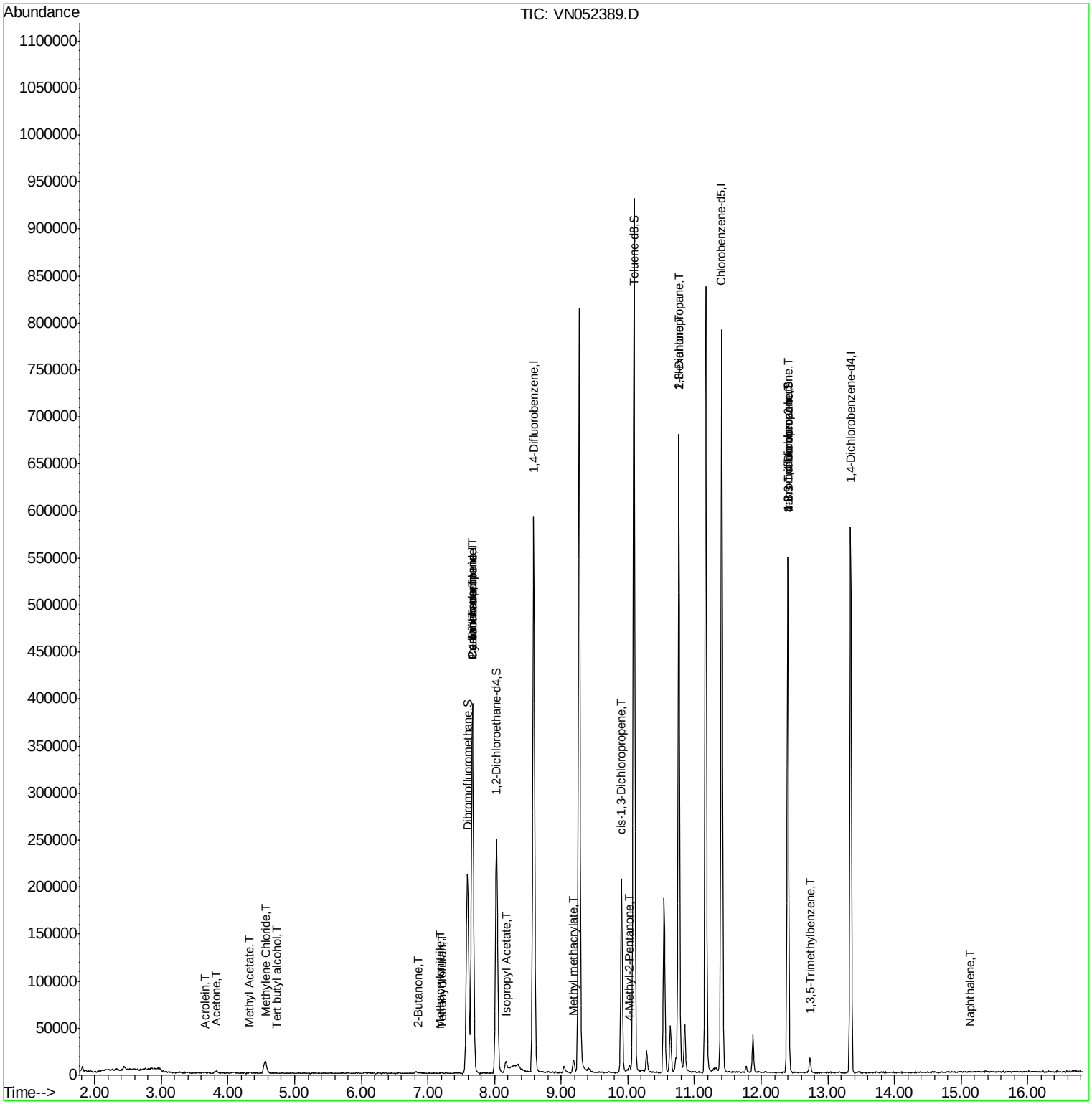
(#) = qualifier out of range (m) = manual integration (+) = signals summed

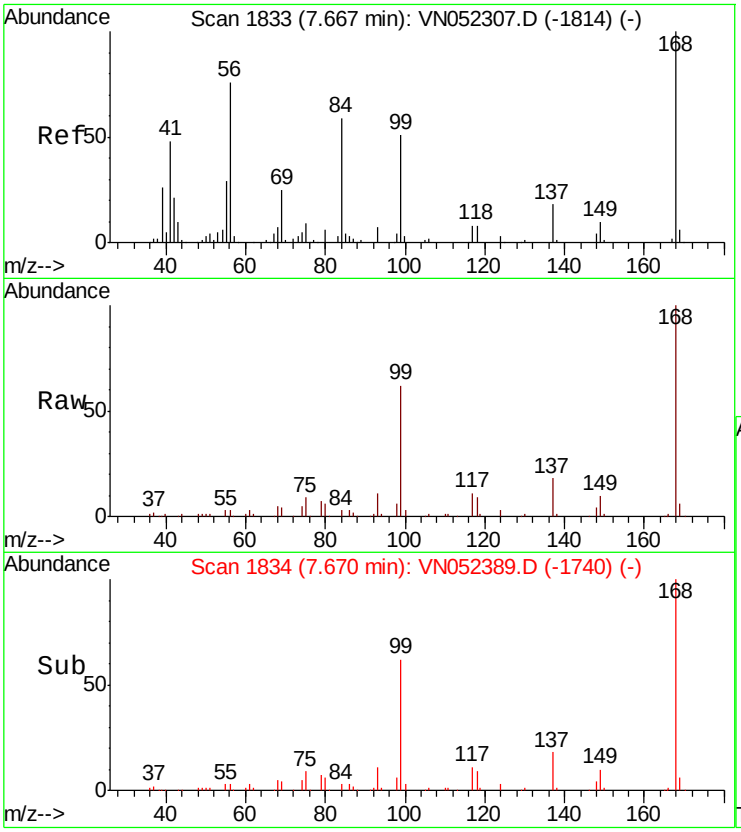
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
Data File : VN052389.D
Acq On : 19 Nov 2018 17:07
Operator : MD\SY
Sample : PB114846ZHE#05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 28

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Quant Time: Nov 20 07:13:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration



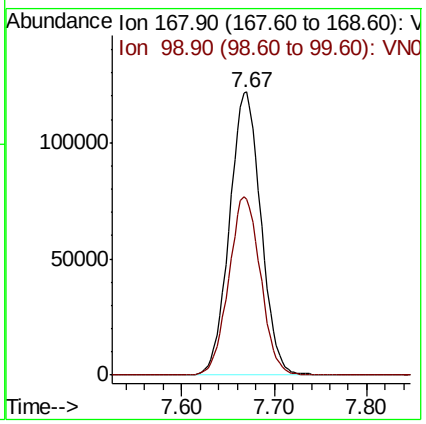


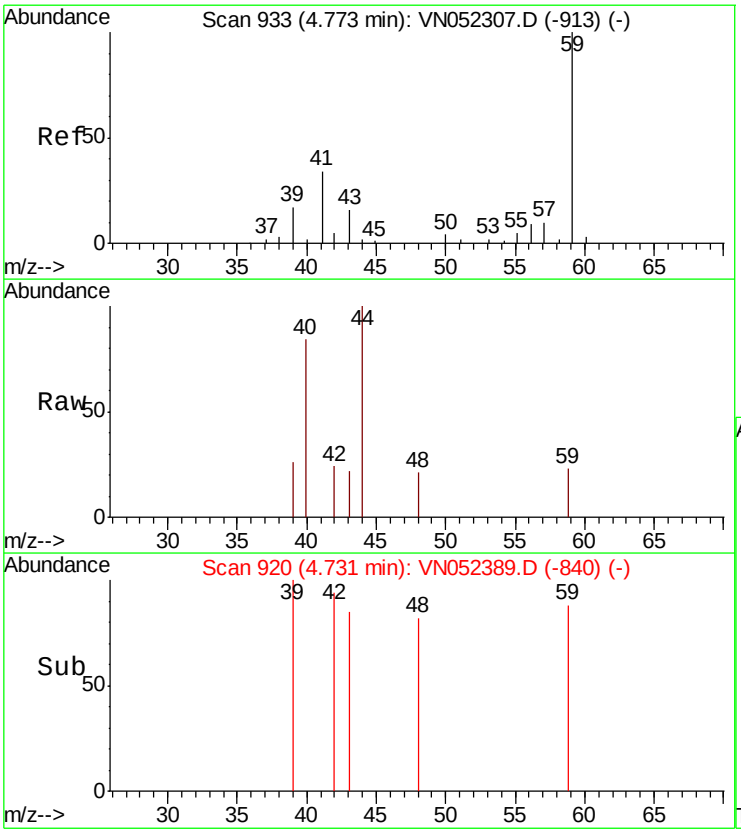

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion:168 Resp: 285676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 47.9 | 71.9 |

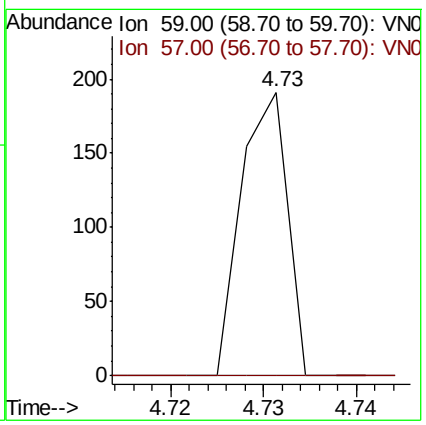


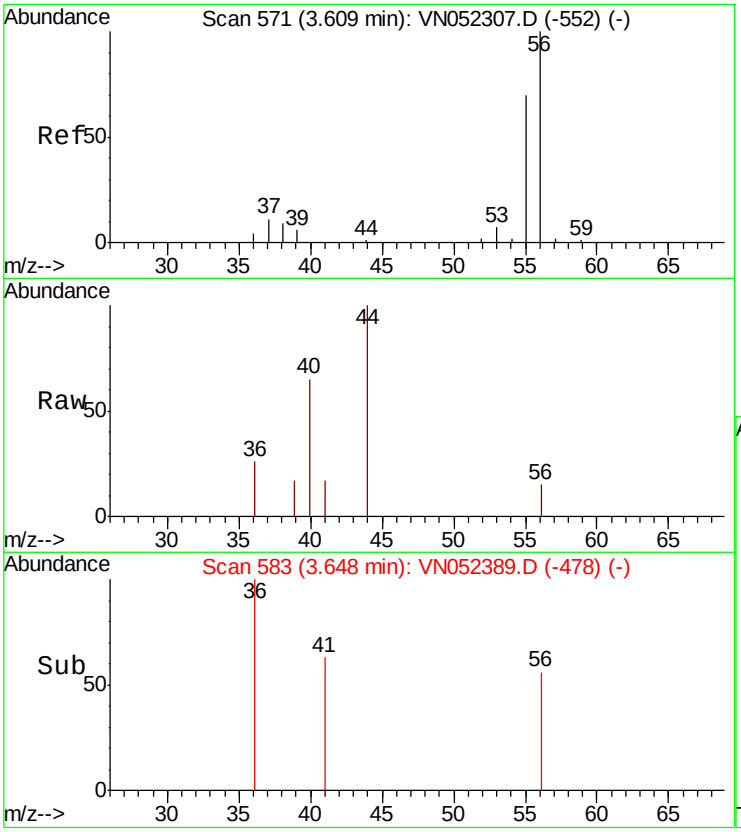




#11
Tert butyl alcohol
Concen: 0.314 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.04 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 59 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.5 | 12.7# |



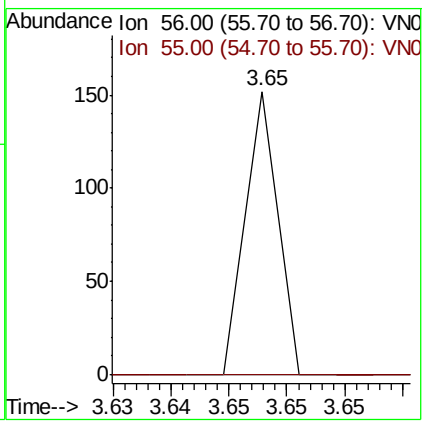


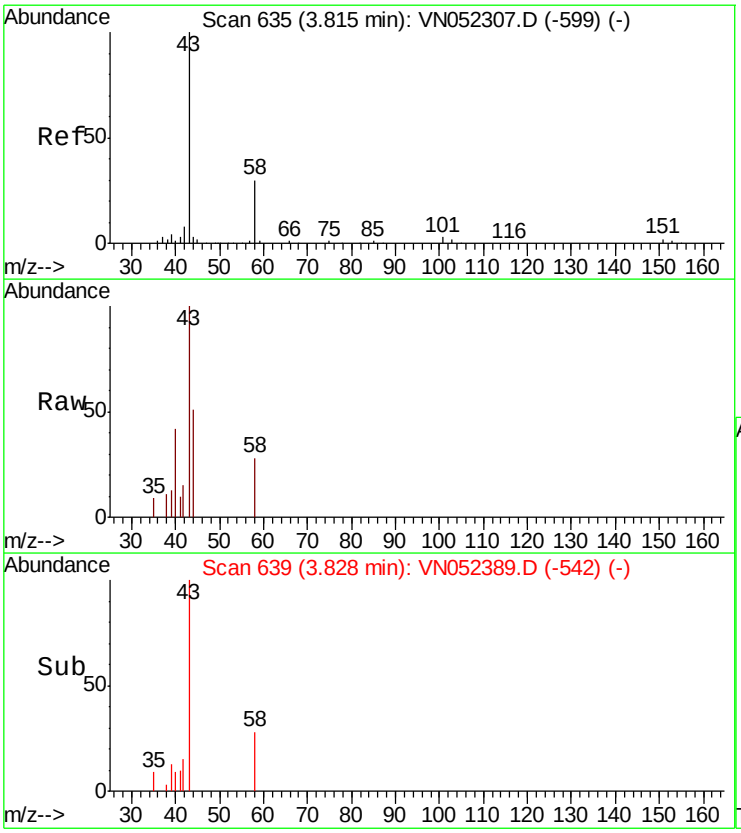

#13
Acrolein
Concen: 21.853 ug/l
RT: 3.65 min Scan# 583
Delta R.T. 0.04 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion: 56 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.6 | 86.4# |

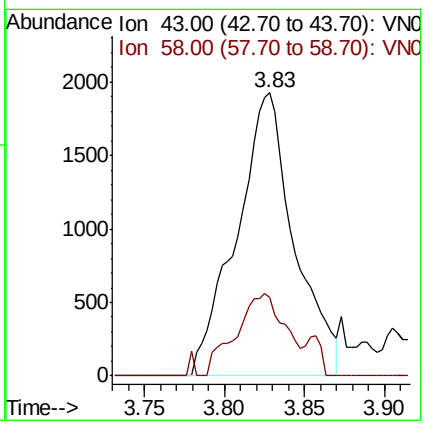


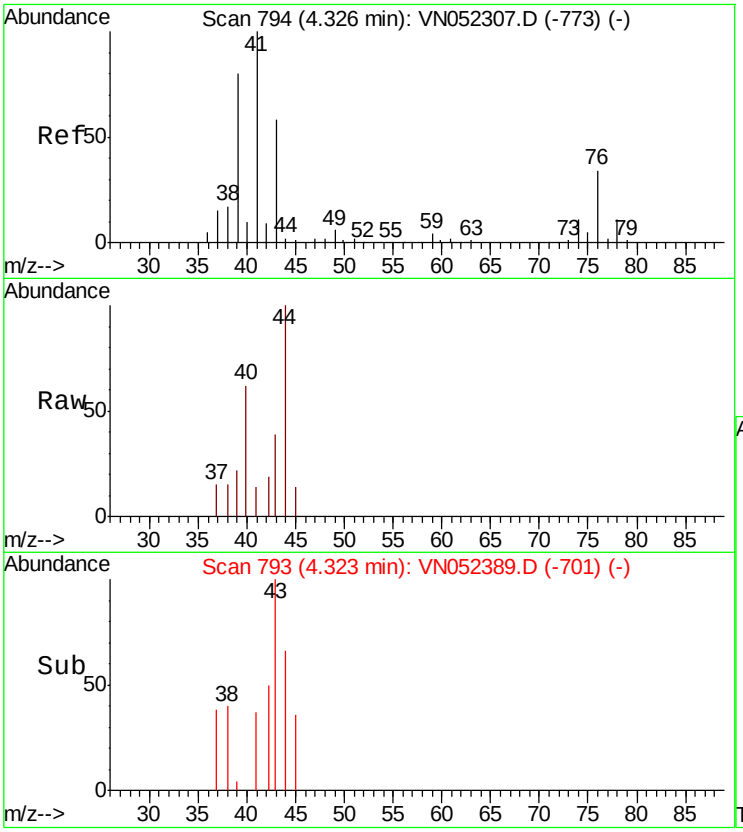




#16
Acetone
Concen: 4.325 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 43 Resp: 4805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 24.2 | 36.4 |



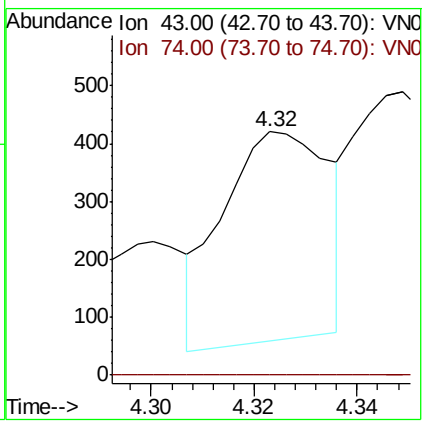


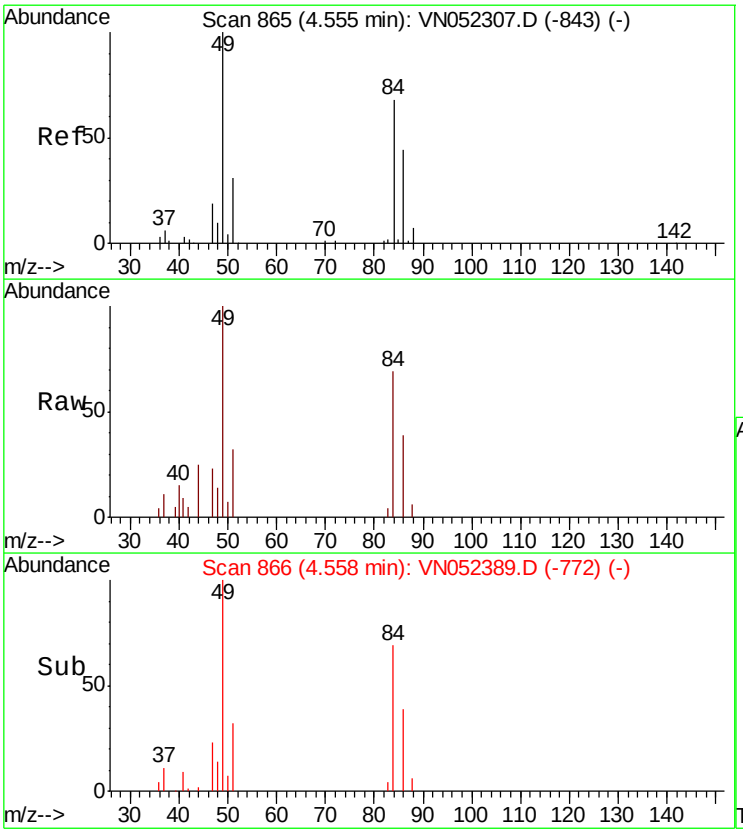

#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion: 43 Resp: 517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 15.9 | 23.9# |

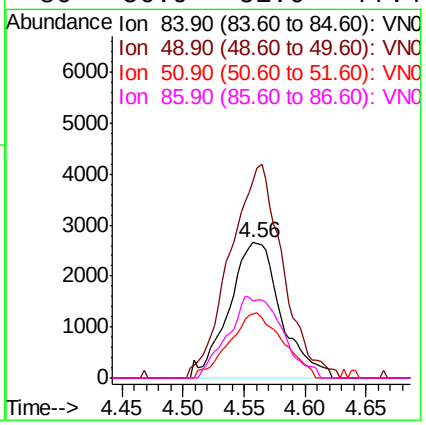


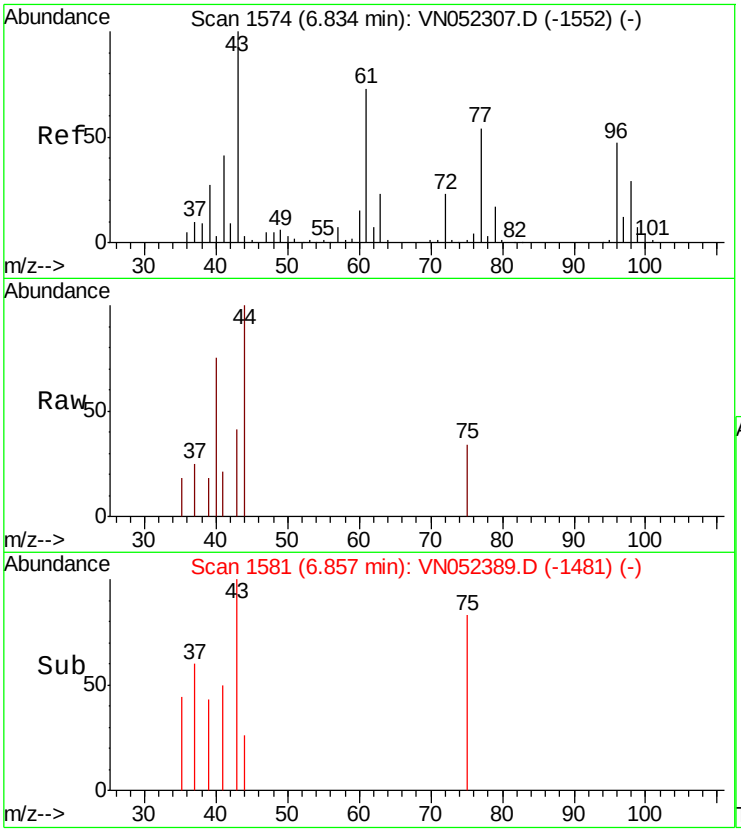




#20
Methylene Chloride
Concen: 1.648 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 84 Resp: 7859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 145.9 | 118.2 | 177.2 |
| 51 | 47.2 | 36.1 | 54.1 |
| 86 | 56.9 | 51.6 | 77.4 |



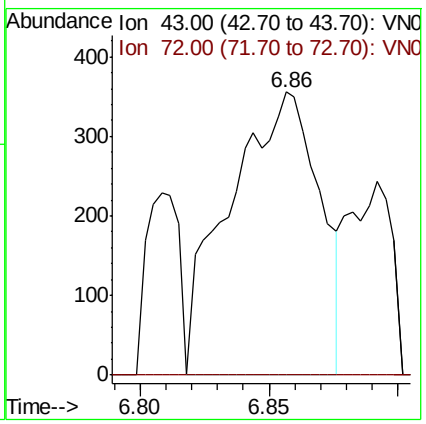


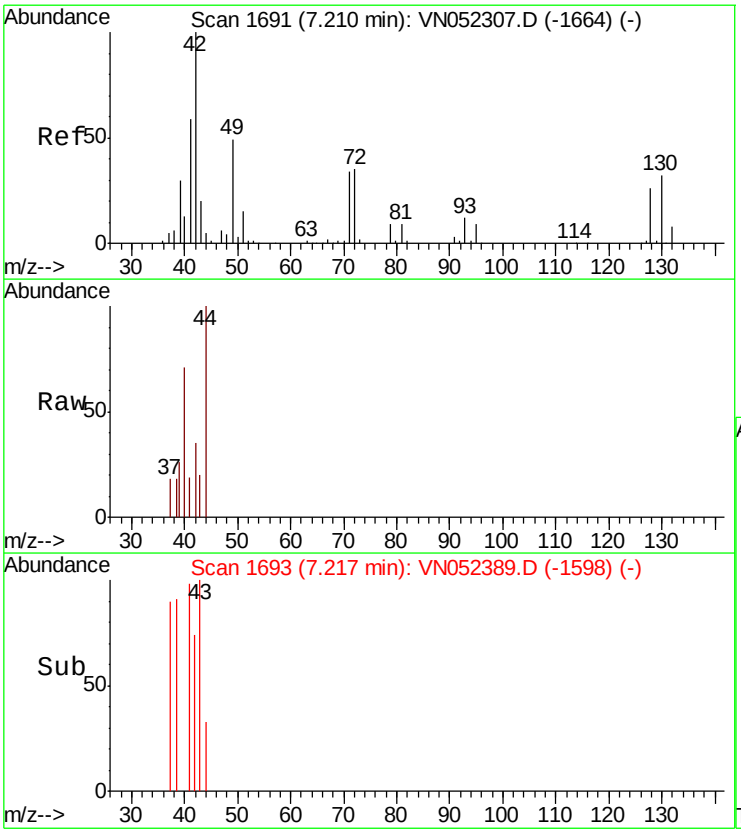

#25
2-Butanone
Concen: 0.555 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion: 43 Resp: 868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 18.6 | 27.8# |

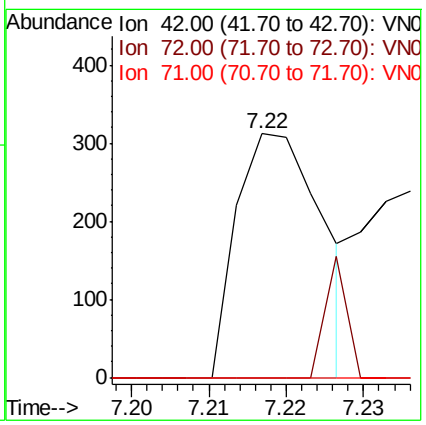


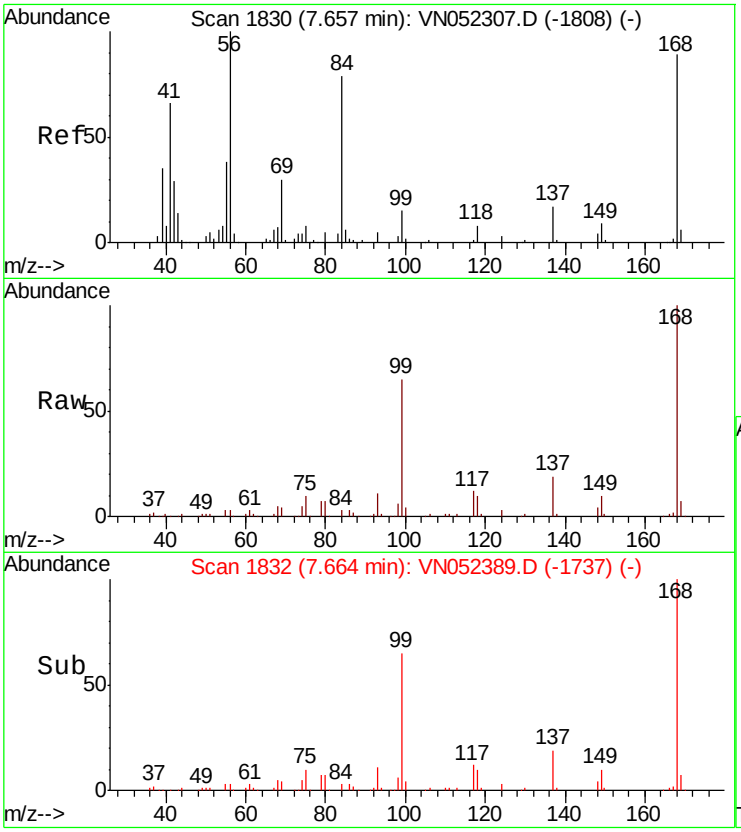




#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 42 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 28.6 | 42.8# |
| 71 | 0.0 | 26.7 | 40.1# |



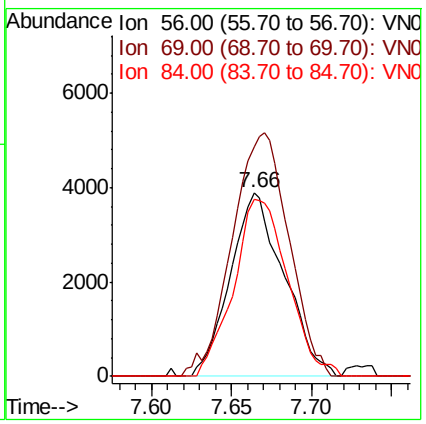


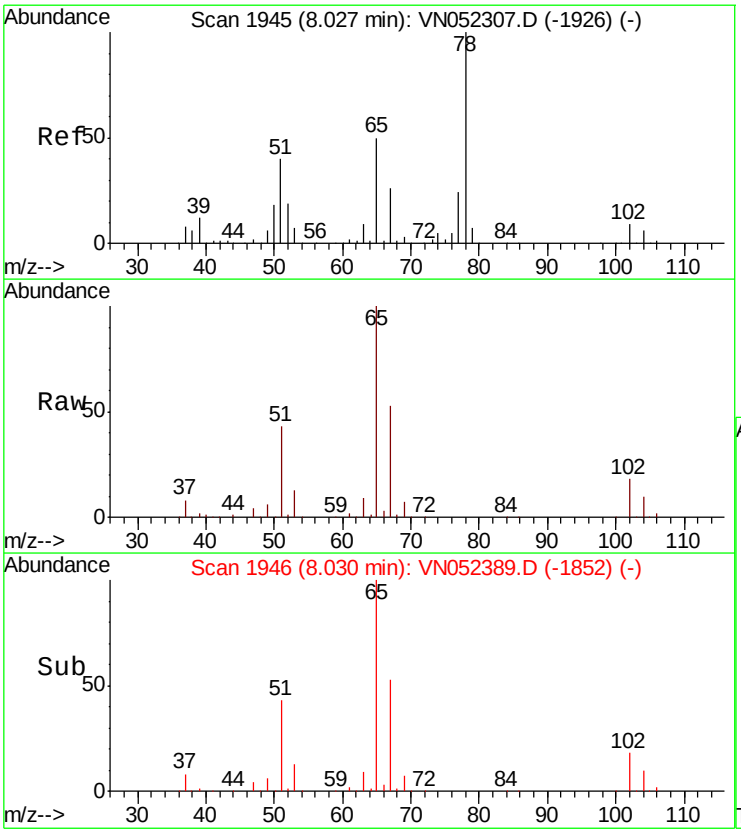

#31
Cyclohexane
Concen: 0.405 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion: 56 Resp: 8940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 124.9 | 23.8 | 35.8# |
| 84 | 96.3 | 63.0 | 94.6# |

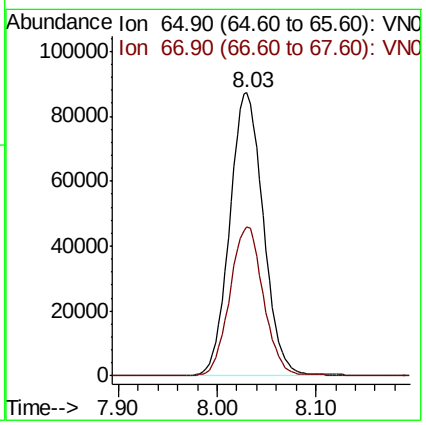


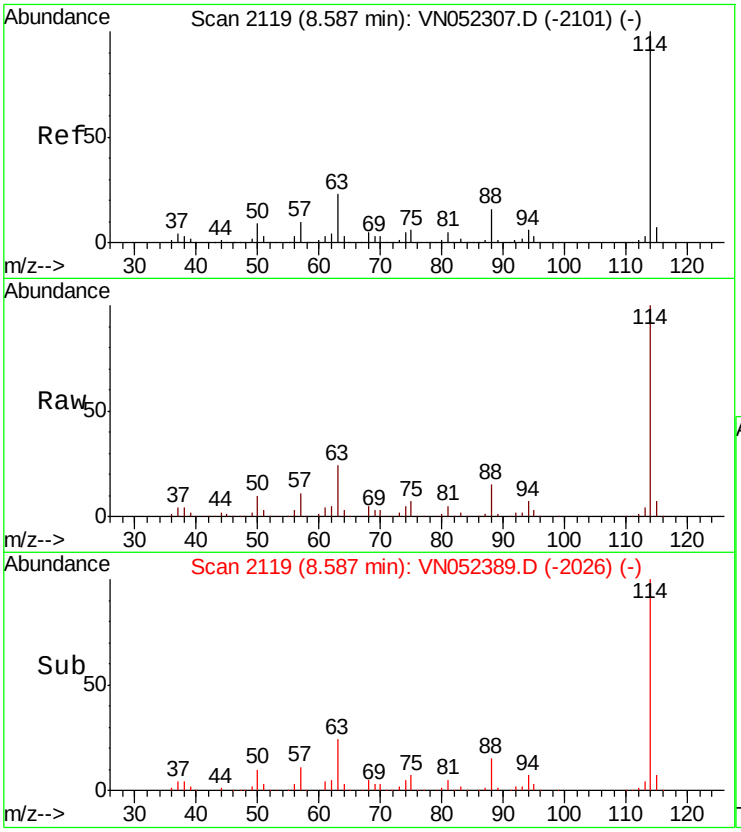




#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 65 Resp: 206866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 105.2 |



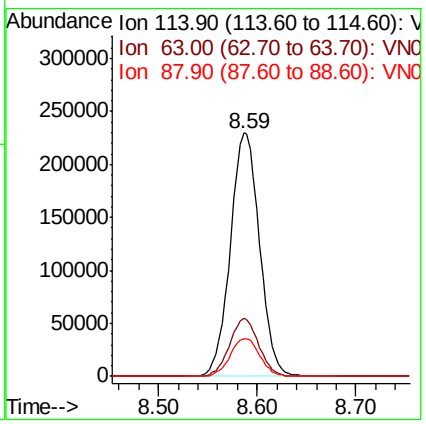


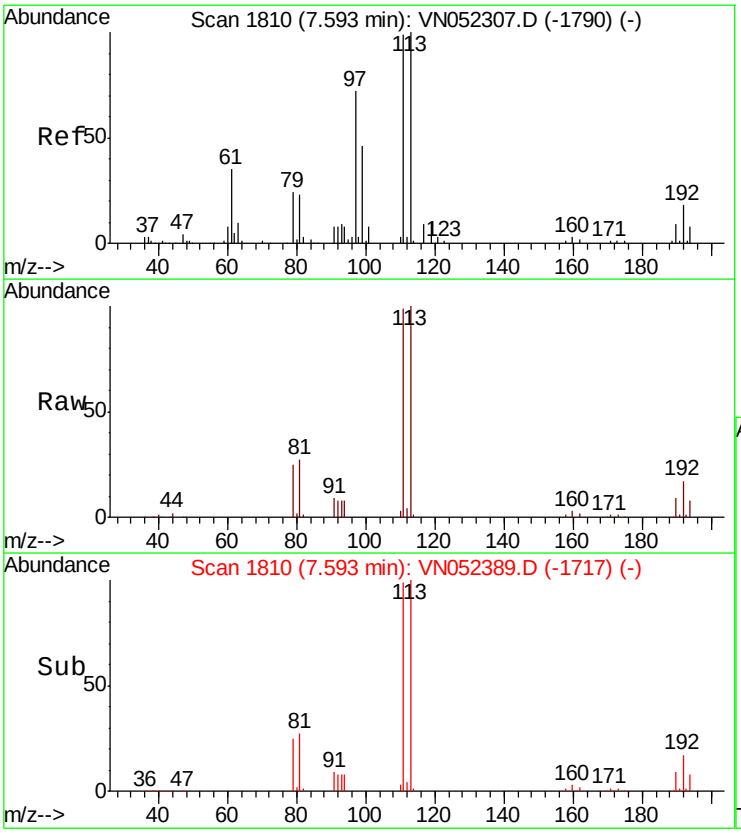

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion:114 Resp: 473730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 45.4 |
| 88 | 15.2 | 0.0 | 31.2 |

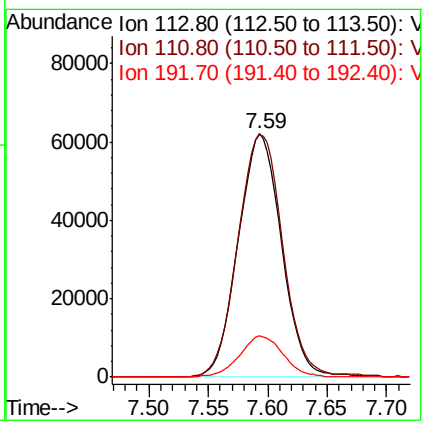


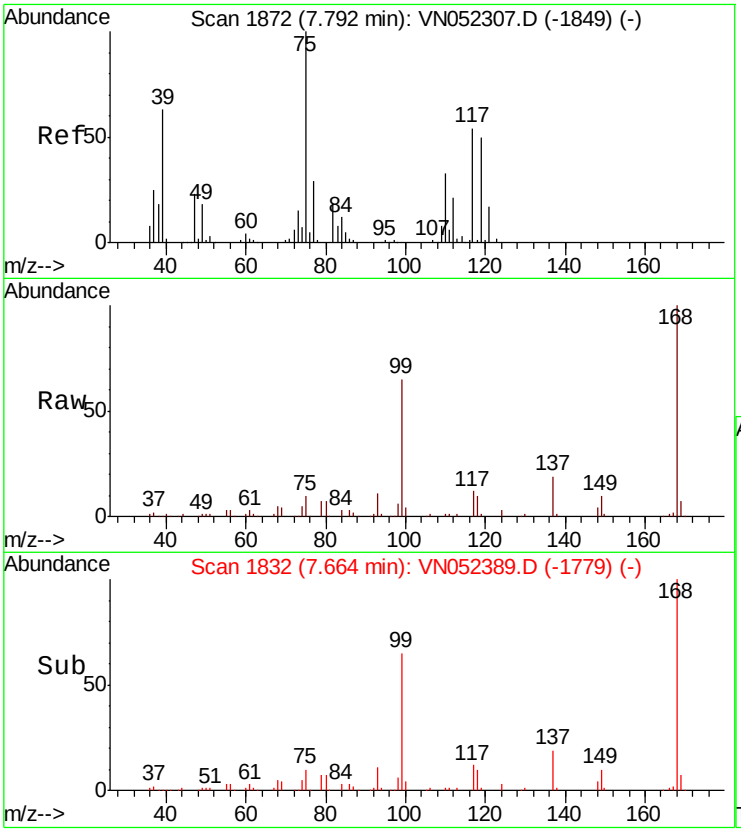




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion:113 Resp: 156004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 81.0 | 121.6 |
| 192 | 17.0 | 13.8 | 20.6 |



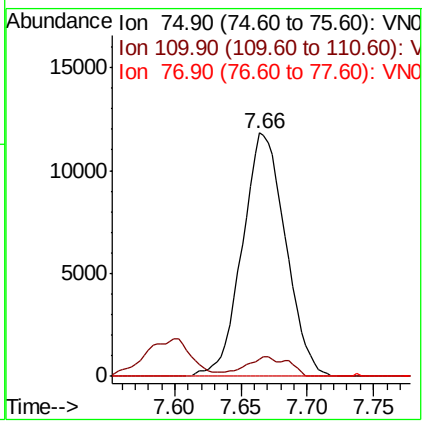


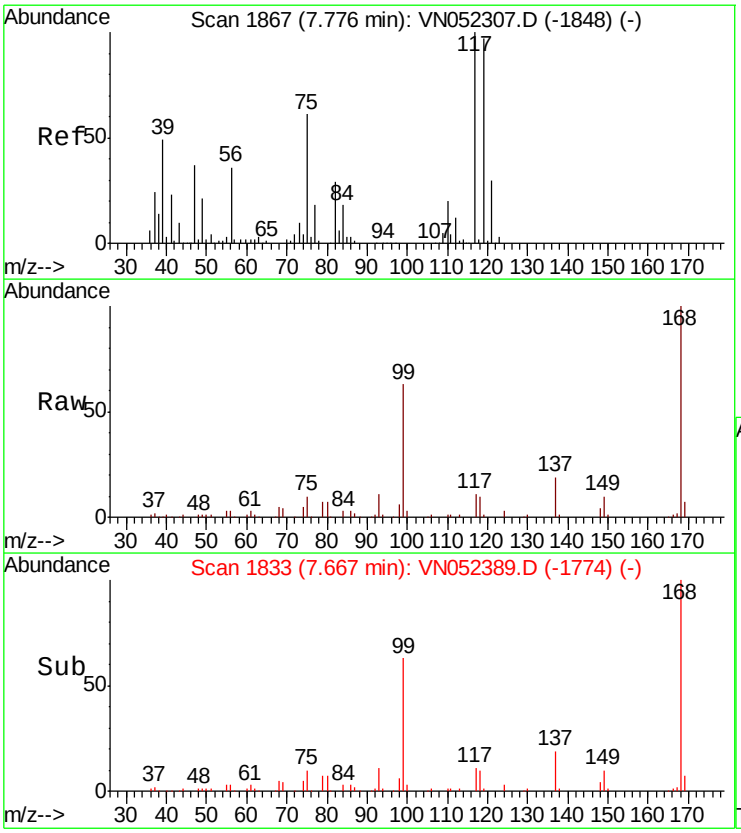

#36
1,1-Dichloropropene
Concen: 5.677 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion: 75 Resp: 26954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.3 | 16.5 | 49.5# |
| 77 | 0.0 | 24.2 | 36.2# |

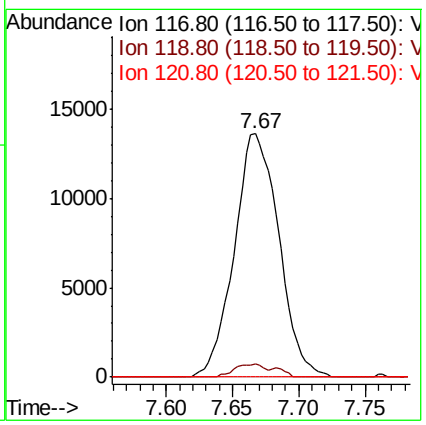


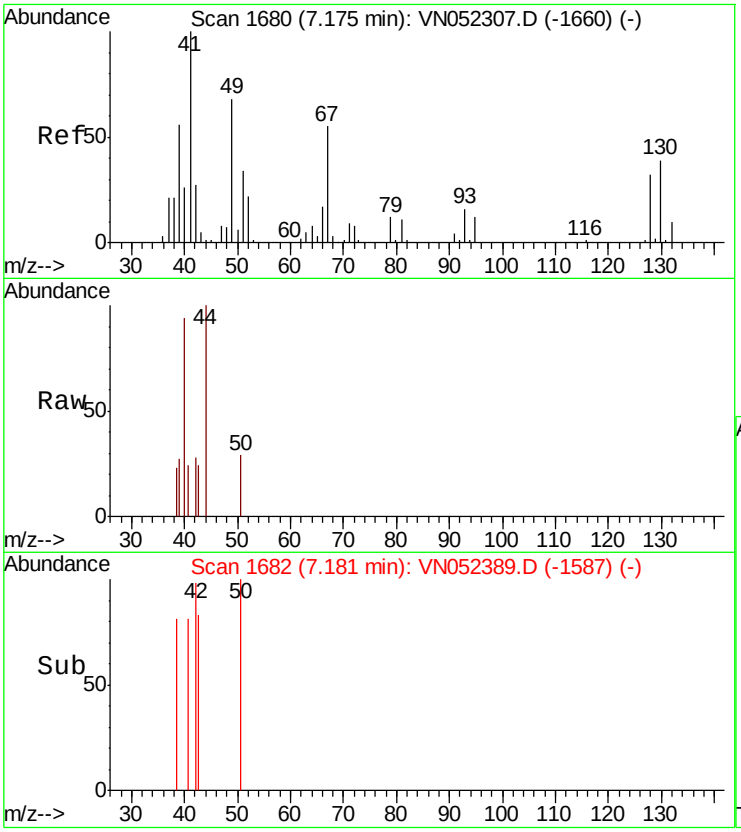




#38
Carbon Tetrachloride
Concen: 7.318 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion:117 Resp: 31923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.2 | 77.4 | 116.0# |
| 121 | 0.0 | 24.0 | 36.0# |



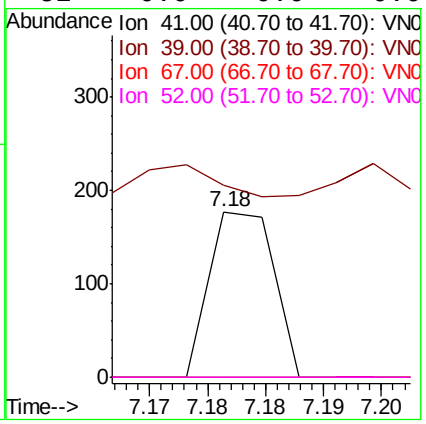


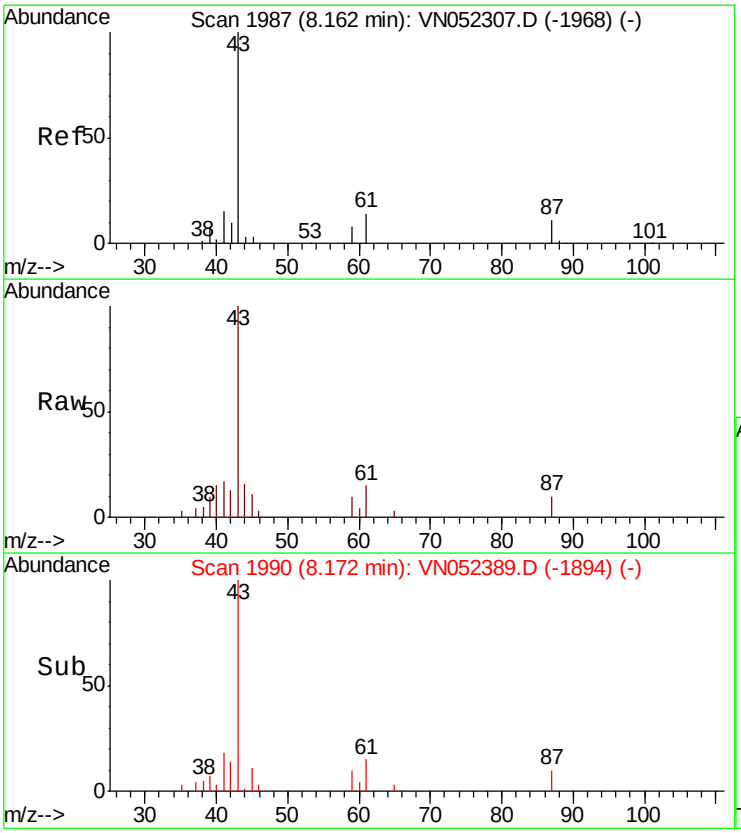

#41
Methacrylonitrile
Concen: 3.728 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion: 41 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 0.0 | 0.0 |
| 67 | 0.0 | 0.0 | 0.0 |
| 52 | 0.0 | 0.0 | 0.0 |

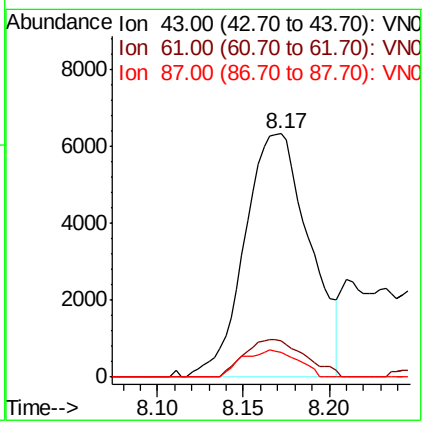


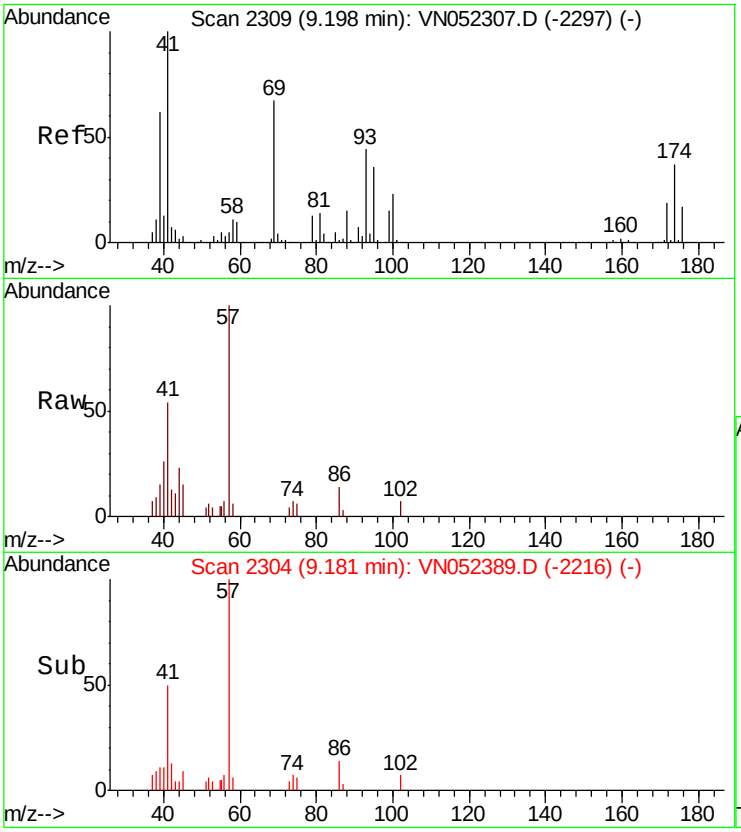




#43
Isopropyl Acetate
Concen: 2.486 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 43 Resp: 16533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.4 | 12.0 | 18.0 |
| 87 | 9.4 | 8.3 | 12.5 |



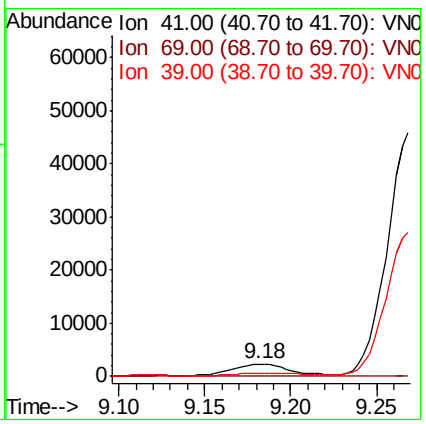


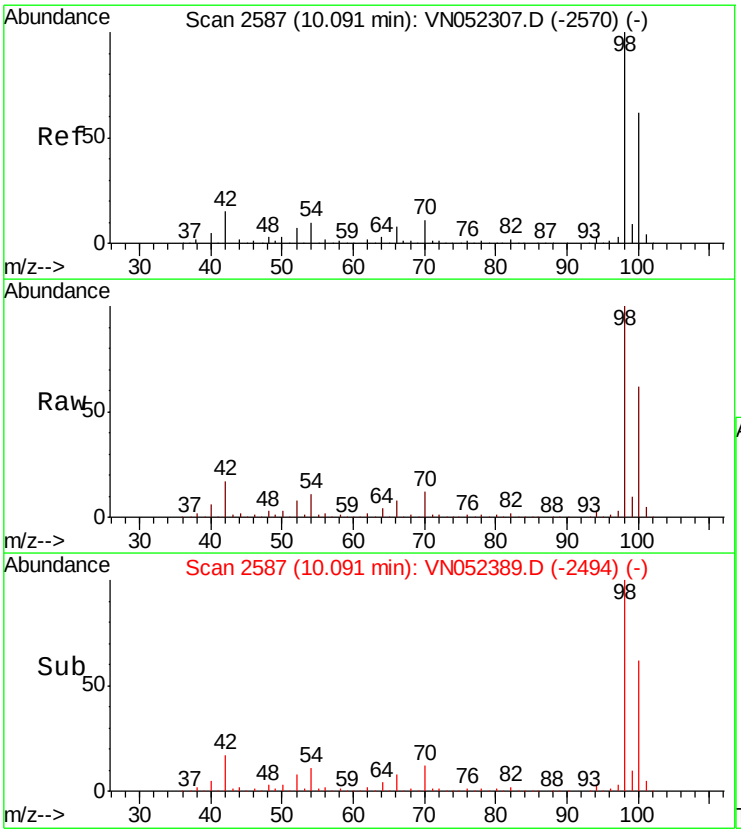

#48
Methyl methacrylate
Concen: 1.667 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion: 41 Resp: 5626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 57.1 | 85.7# |
| 39 | 29.5 | 52.5 | 78.7# |

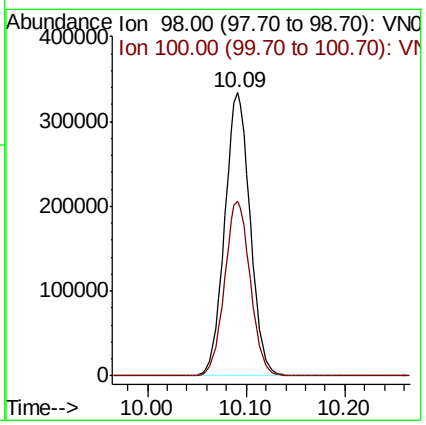


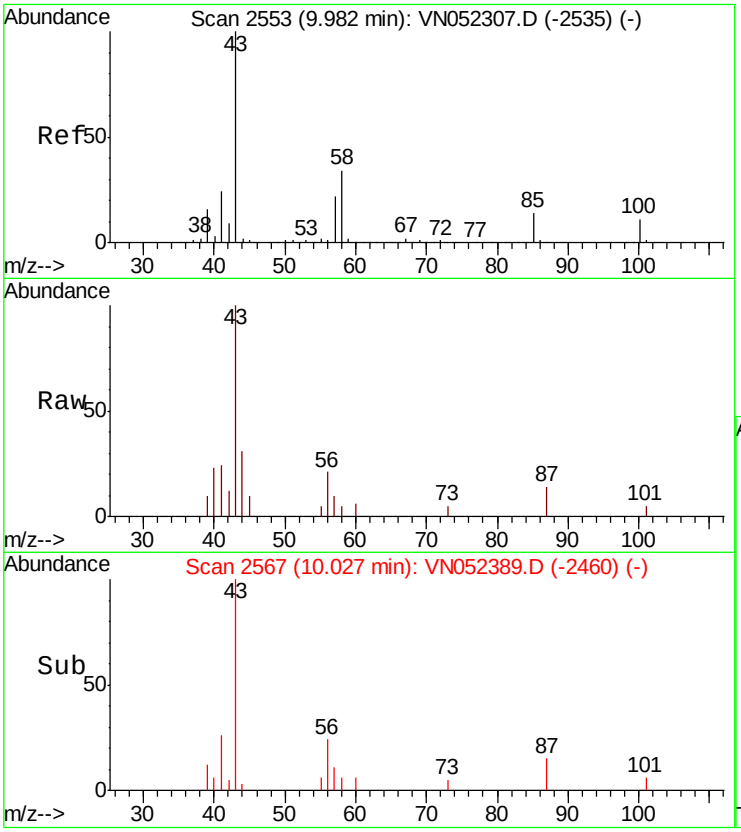




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 98 Resp: 601290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.2 | 49.5 | 74.3 |



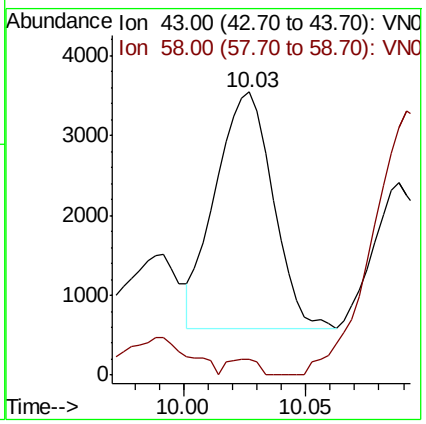


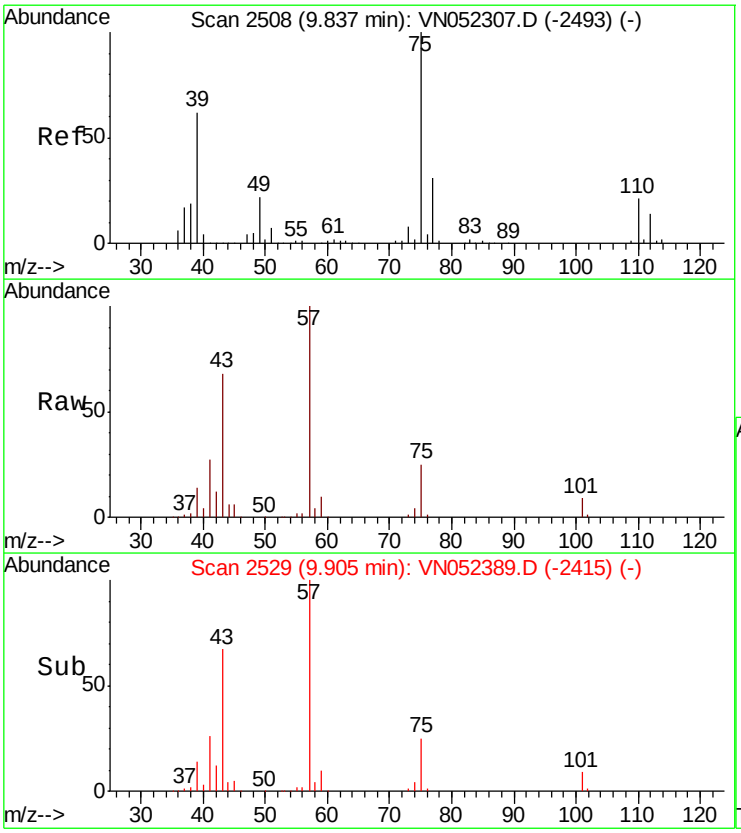

#51
4-Methyl-2-Pentanone
Concen: 1.456 ug/l
RT: 10.03 min Scan# 2567
Delta R.T. 0.04 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion: 43 Resp: 4873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 27.0 | 40.6# |

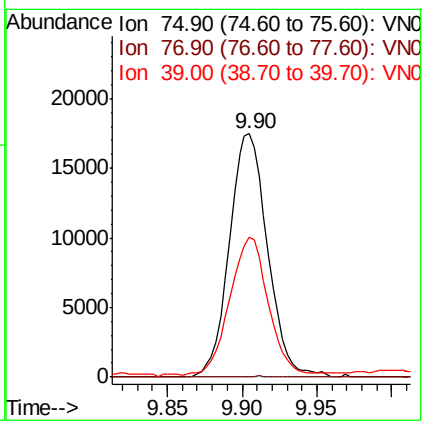


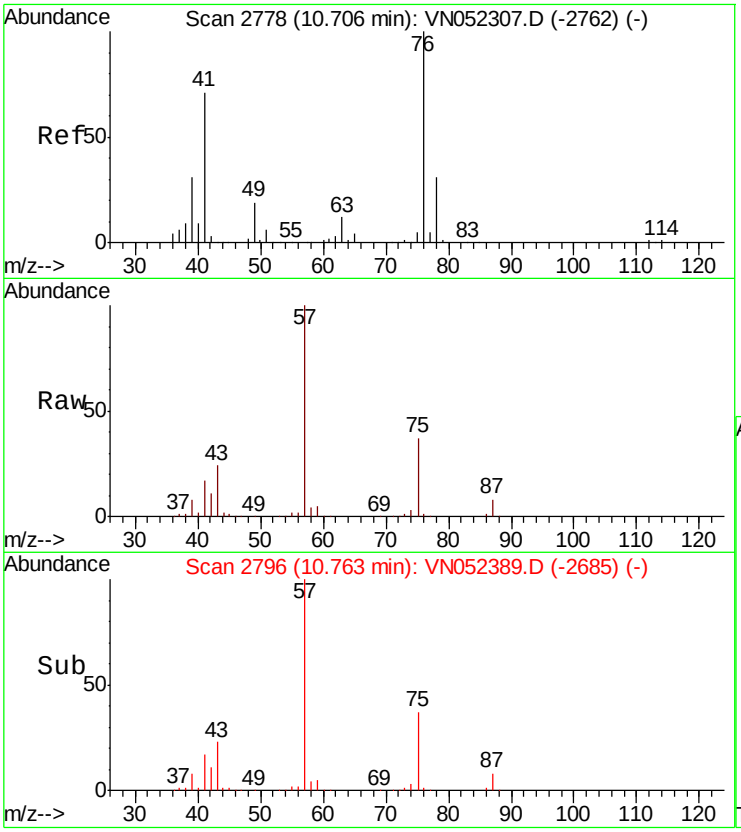




#54
cis-1,3-Dichloropropene
Concen: 5.903 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 75 Resp: 31038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 24.6 | 36.8# |
| 39 | 56.4 | 49.9 | 74.9 |



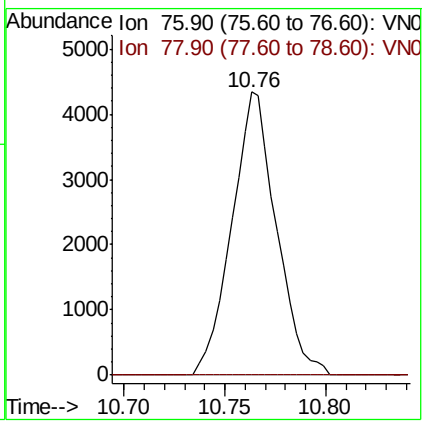


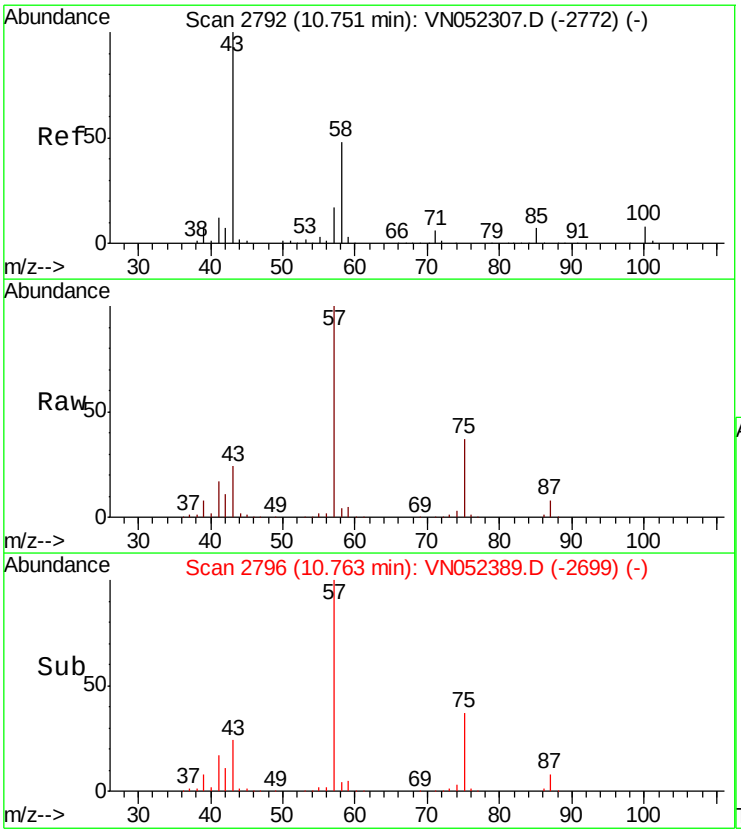

#57
1,3-Dichloropropane
Concen: 1.285 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion: 76 Resp: 6697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.7 | 38.5# |

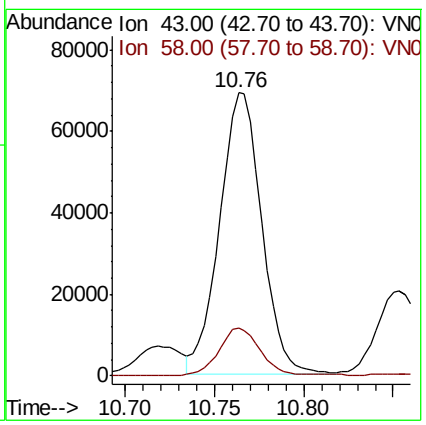


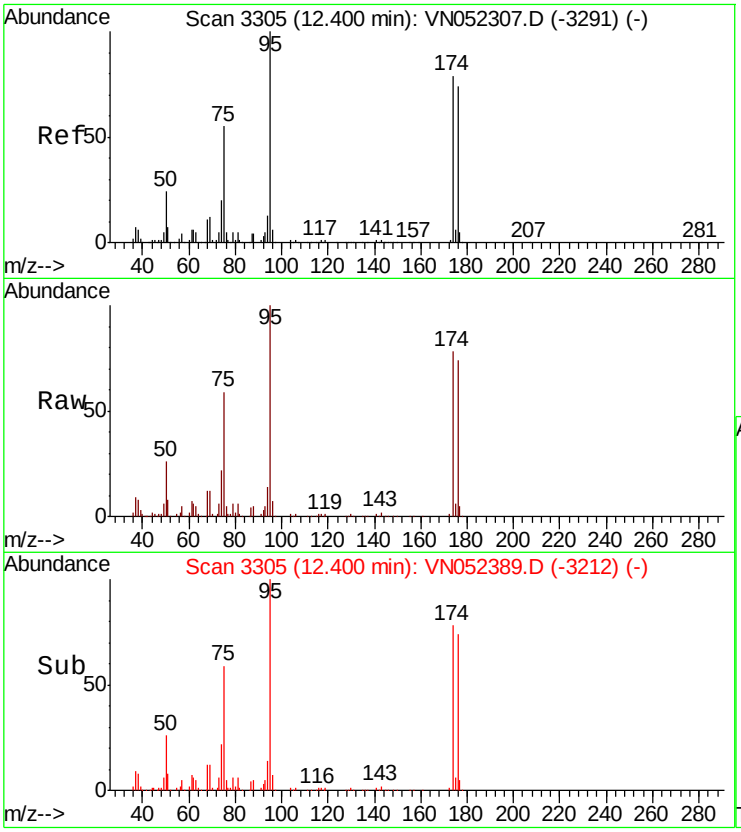




#59
2-Hexanone
Concen: 49.363 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 43 Resp: 113648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.3 | 23.5 | 70.6# |



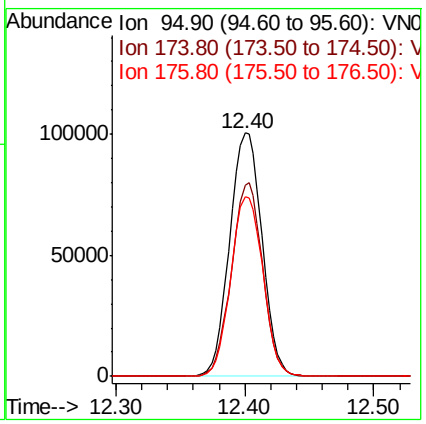


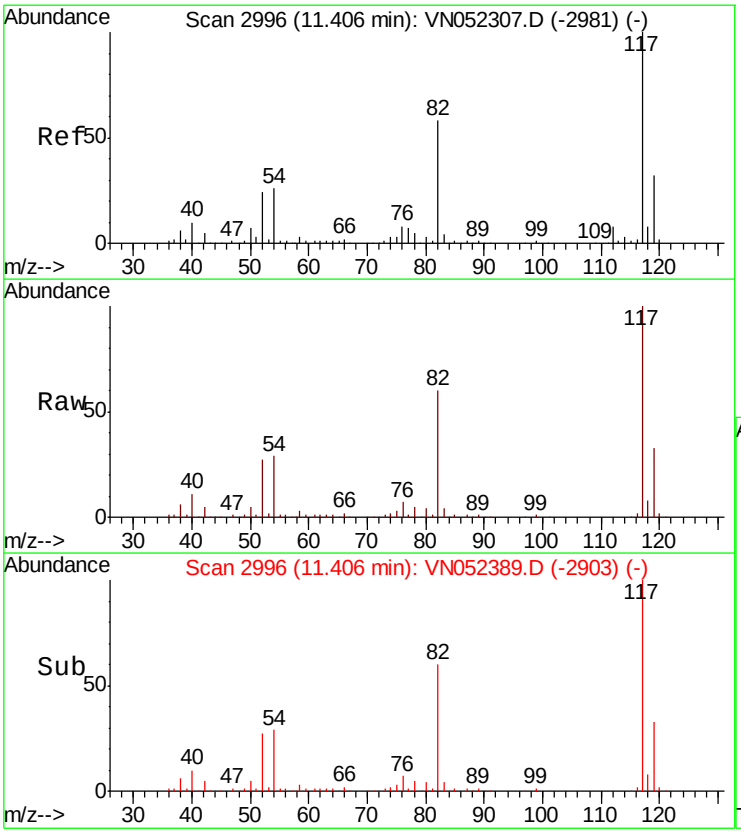

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion: 95 Resp: 175464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.3 | 0.0 | 156.0 |
| 176 | 73.4 | 0.0 | 148.4 |

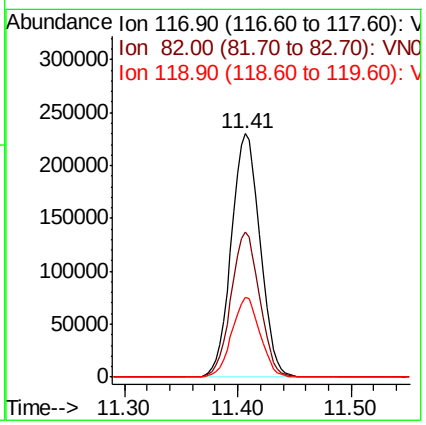


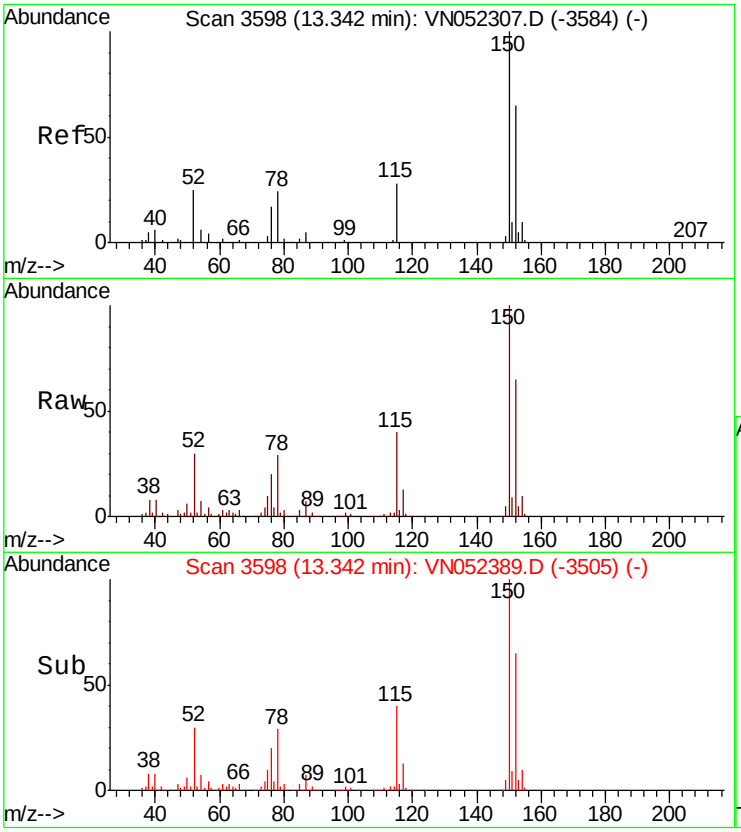




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion:117 Resp: 407754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.6 | 46.5 | 69.7 |
| 119 | 32.7 | 25.7 | 38.5 |



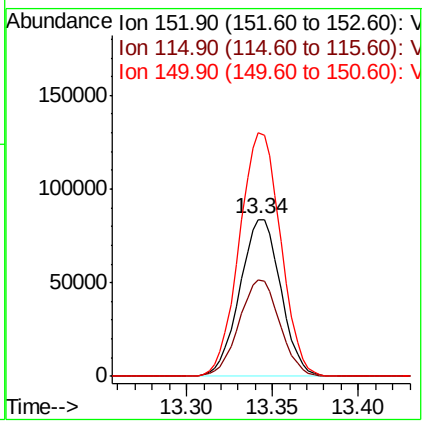


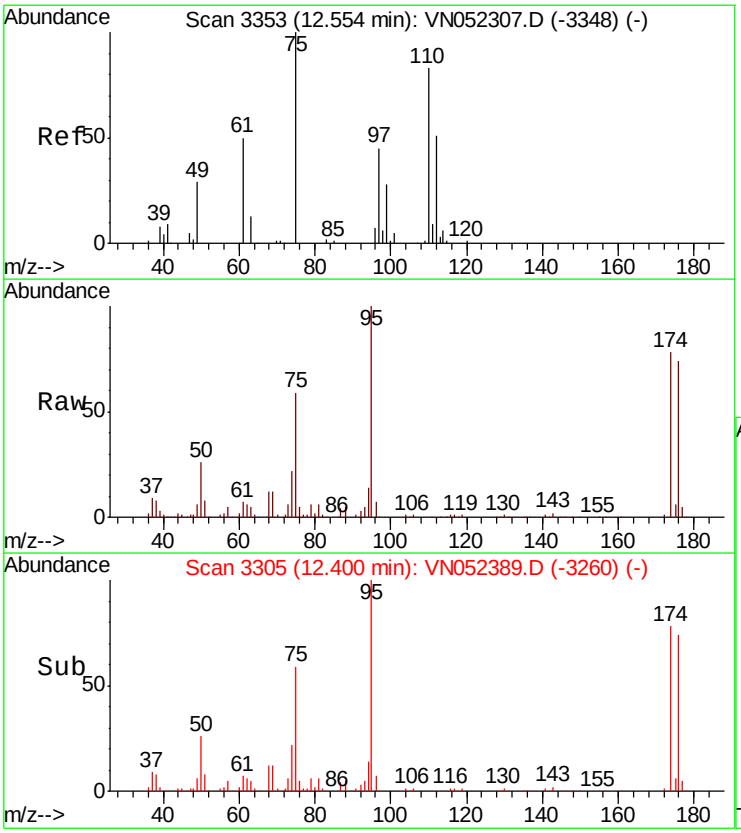

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :** MSVOA_N
**ClientSampleId :** PB114846ZHE#05

Tgt Ion:152 Resp: 138058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 30.3 | 91.0 |
| 150 | 156.6 | 0.0 | 348.2 |

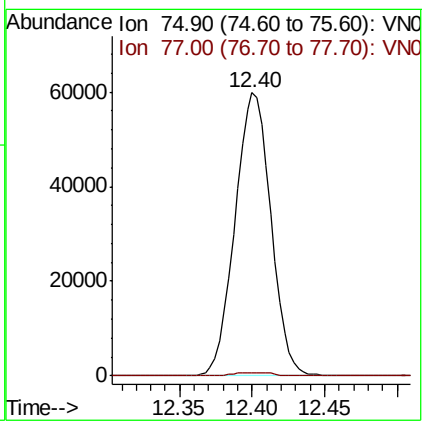


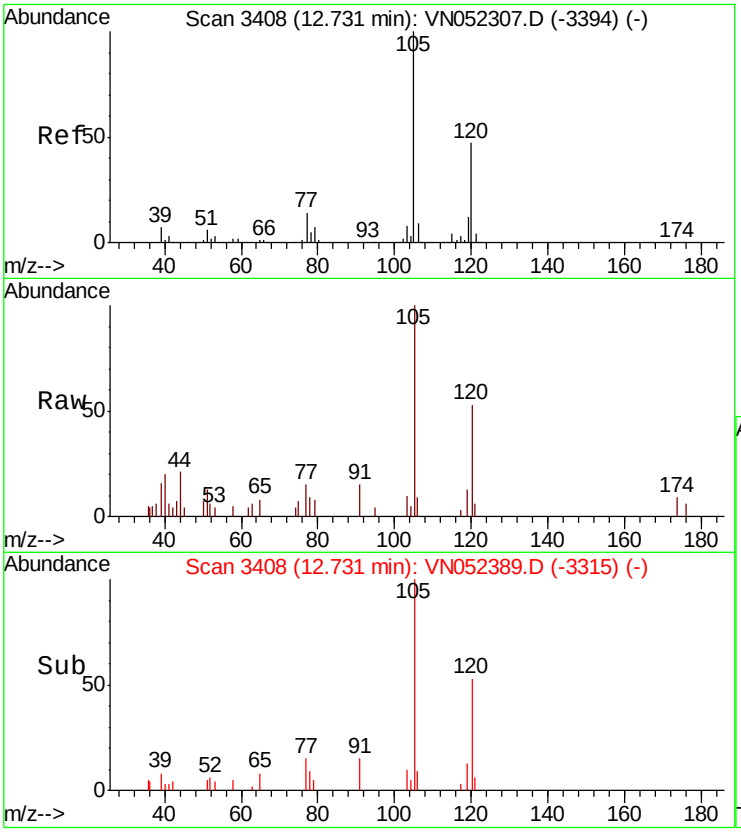




#76
1,2,3-Trichloropropane
Concen: 43.900 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 75 Resp: 102839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |



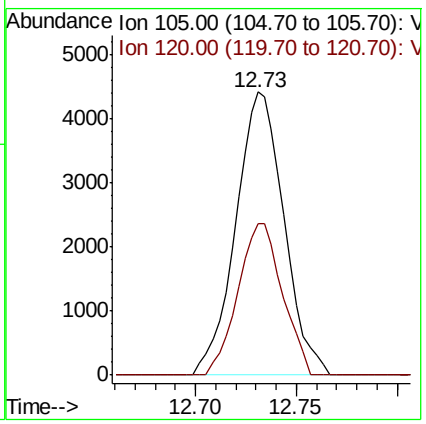


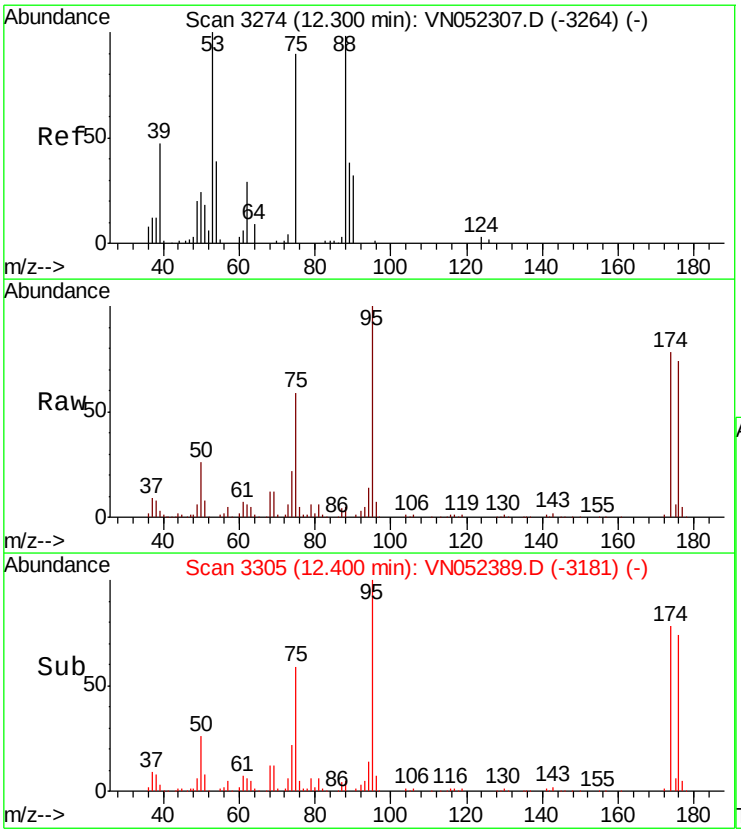

#80
1,3,5-Trimethylbenzene
Concen: 0.836 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion:105 Resp: 7376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.4 | 23.7 | 71.1 |

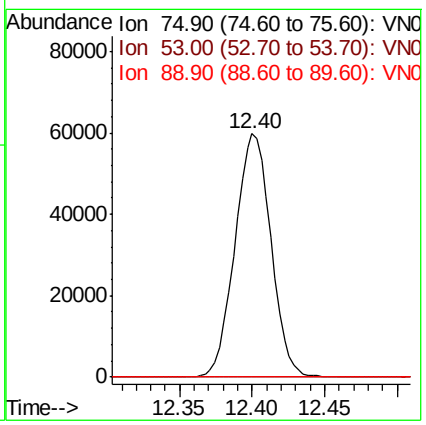


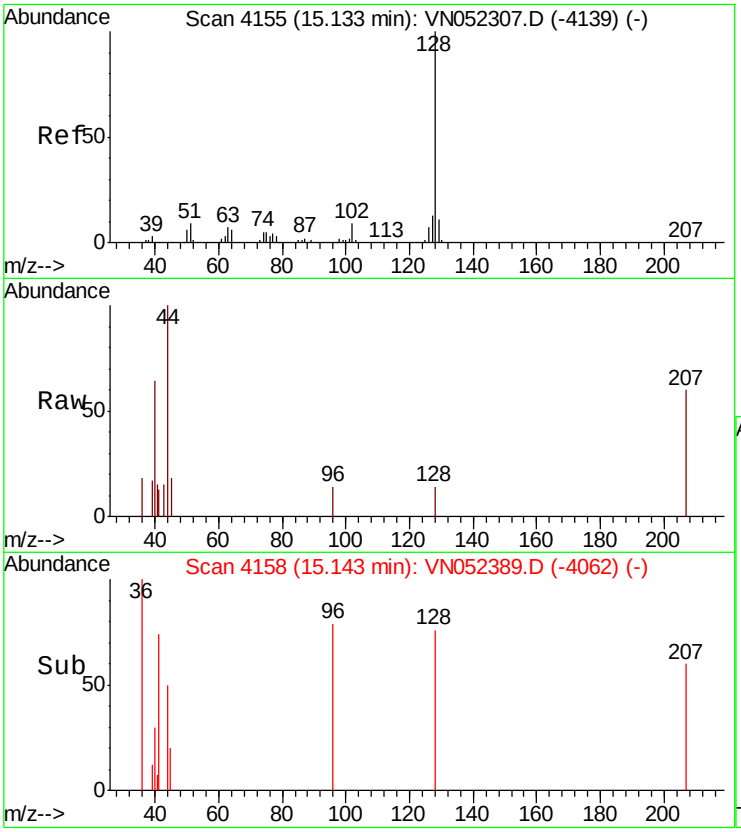




#81
trans-1,4-Dichloro-2-butene
Concen: 142.384 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

Tgt Ion: 75 Resp: 102839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 90.2 | 135.2# |
| 89 | 0.0 | 35.4 | 53.0# |






#95
Naphthalene
Concen: 2.610 ug/l
RT: 15.14 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN052389.D
Acq: 19 Nov 2018 17:07

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB114846ZHE#05

Tgt Ion:128 Resp: 30

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.4 | 15.6# |
| 129 | 0.0 | 8.6 | 13.0# |