Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012720\
Data File : VN059868.D
Acq On : 27 Jan 2020 13:29
Operator : JC/MD
Sample : L1268-01ME
Misc : 2.58g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Quant Time: Jan 27 14:29:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.64 | 168 | 193367 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.56 | 114 | 294544 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.40 | 117 | 259950 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 123173 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.00 | 65 | 104323 | 48.58 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.16% | | | |
| 35) Dibromofluoromethane | 7.56 | 113 | 86786 | 49.41 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.82% | | | |
| 50) Toluene-d8 | 10.08 | 98 | 345867 | 50.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.64% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 117973 | 48.09 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.18% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.71 | 59 | 1148 | 3.18 | ug/l # | 72 |
| 13) Acrolein | 3.78 | 56 | 1647 | 6.44 | ug/l # | 1 |
| 16) Acetone | 3.78 | 43 | 7766811 | 11036.33 | ug/l # | 70 |
| 17) Carbon Disulfide | 4.01 | 76 | 1483 | 0.29 | ug/l # | 75 |
| 18) Methyl Acetate | 4.30 | 43 | 5284 | 2.11 | ug/l # | 84 |
| 20) Methylene Chloride | 4.51 | 84 | 954 | Below Cal | # | 75 |
| 25) 2-Butanone | 6.81 | 43 | 7887 | 6.49 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.36 | 42 | 744 | 0.99 | ug/l # | 1 |
| 31) Cyclohexane | 7.61 | 56 | 57645 | 18.14 | ug/l # | 52 |
| 36) 1,1-Dichloropropene | 7.64 | 75 | 13299 | 5.18 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 7.64 | 117 | 17902 | 6.42 | ug/l # | 17 |
| 39) Methylcyclohexane | 9.06 | 83 | 10353 | 3.27 | ug/l | 94 |
| 41) Methacrylonitrile | 7.36 | 41 | 5456 | 4.60 | ug/l # | 100 |
| 43) Isopropyl Acetate | 8.12 | 43 | 23146 | 5.59 | ug/l # | 56 |
| 48) Methyl methacrylate | 9.19 | 41 | 519 | 0.28 | ug/l # | 80 |
| 51) 4-Methyl-2-Pentanone | 9.98 | 43 | 4315 | 1.80 | ug/l | 96 |
| 52) Toluene | 10.14 | 92 | 2116081 | 437.94 | ug/l | 90 |
| 53) t-1,3-Dichloropropene | 10.23 | 75 | 3410 | 1.13 | ug/l # | 43 |
| 54) cis-1,3-Dichloropropene | 9.58 | 75 | 1696 | 0.54 | ug/l # | 47 |
| 59) 2-Hexanone | 10.75 | 43 | 432 | 0.25 | ug/l # | 26 |
| 67) Ethyl Benzene | 11.50 | 91 | 4005 | 0.43 | ug/l | 98 |
| 68) m/p-Xylenes | 11.61 | 106 | 3573 | 1.02 | ug/l | 97 |
| 69) o-Xylene | 11.95 | 106 | 1907 | 0.56 | ug/l | 92 |
| 73) Isopropylbenzene | 12.25 | 105 | 2700 | 0.30 | ug/l | 94 |
| 74) N-amyl acetate | 12.04 | 43 | 13582 | 3.87 | ug/l # | 58 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 59143 | 28.53 | ug/l # | 100 |
| 77) Bromobenzene | 12.55 | 156 | 5917 | 2.59 | ug/l # | 1 |
| 78) n-propylbenzene | 12.59 | 91 | 10544 | 1.04 | ug/l | 96 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 18518 | 2.44 | ug/l | 99 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 59143 | 61.27 | ug/l # | 11 |
| 82) 4-Chlorotoluene | 12.73 | 91 | 1828 | 0.30 | ug/l # | 59 |
| 83) tert-Butylbenzene | 13.04 | 119 | 9156 | 1.39 | ug/l # | 76 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 77281 | 10.28 | ug/l | 100 |
| 85) sec-Butylbenzene | 13.17 | 105 | 11161 | 1.29 | ug/l # | 78 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012720\
Data File : VN059868.D
Acq On : 27 Jan 2020 13:29
Operator : JC/MD
Sample : L1268-01ME
Misc : 2.58g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Quant Time: Jan 27 14:29:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 86) p-Isopropyltoluene | 13.28 | 119 | 9718 | 1.22 ug/l | 97 |
| 89) n-Butylbenzene | 13.61 | 91 | 21351 | 3.13 ug/l # | 80 |
| 90) Hexachloroethane | 13.89 | 117 | 2811 | 1.88 ug/l # | 12 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75 | 157 | Below Cal # | 1 |
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180 | 794 | 0.34 ug/l # | 1 |
| 95) Naphthalene | 15.13 | 128 | 21219 | 3.16 ug/l # | 91 |
| 96) 1,2,3-Trichlorobenzene | 15.33 | 180 | 1524 | 0.66 ug/l # | 49 |

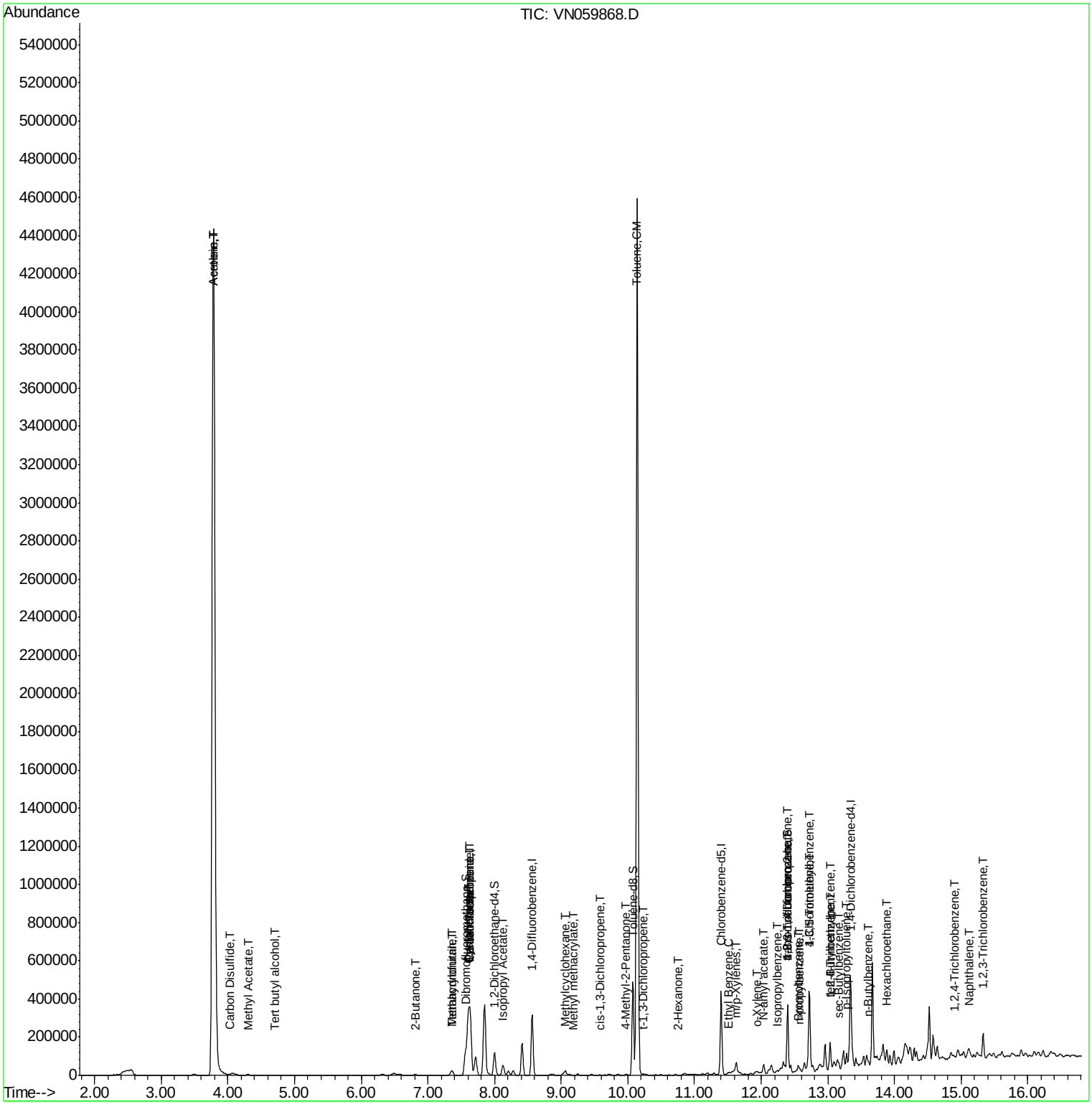
(#) = qualifier out of range (m) = manual integration (+) = signals summed

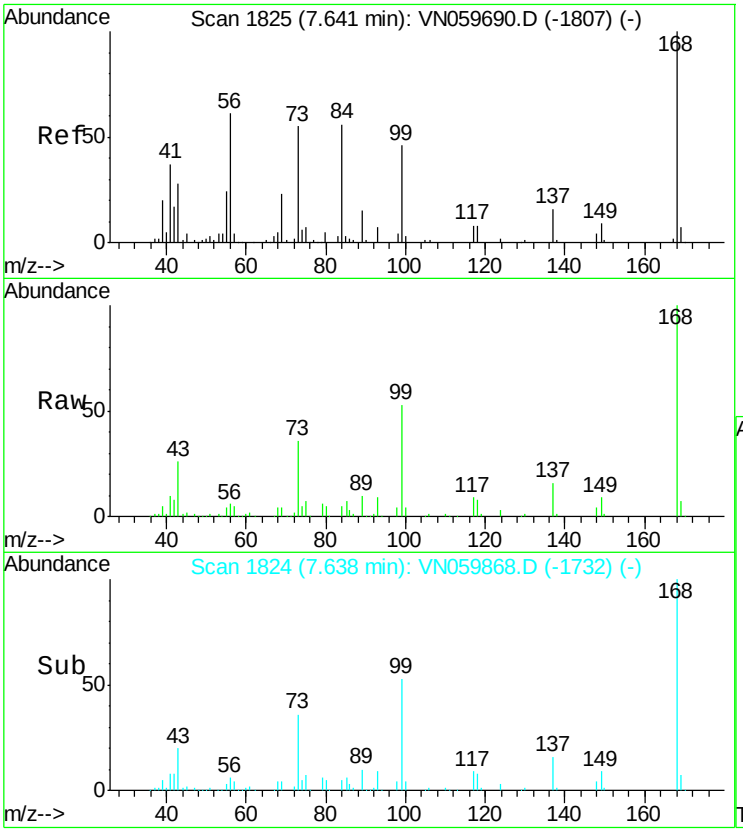
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012720\
Data File : VN059868.D
Acq On : 27 Jan 2020 13:29
Operator : JC/MD
Sample : L1268-01ME
Misc : 2.58g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Quant Time: Jan 27 14:29:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration



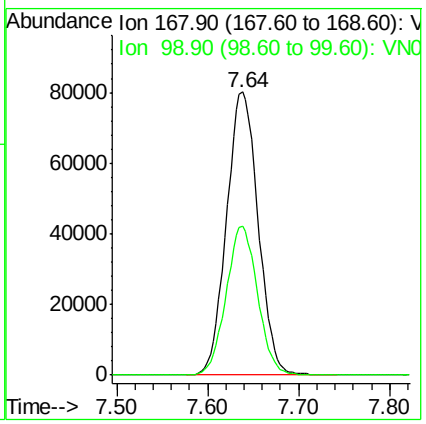


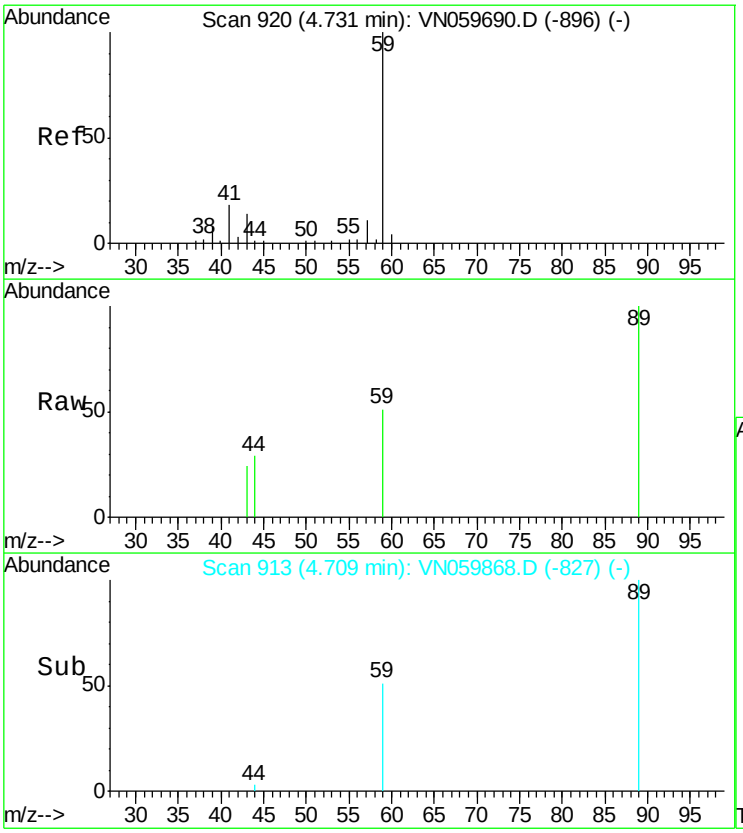

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion:168 Resp: 193367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.6 | 48.2 | 72.4 |

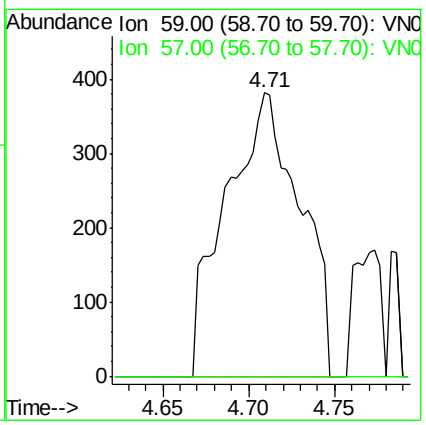


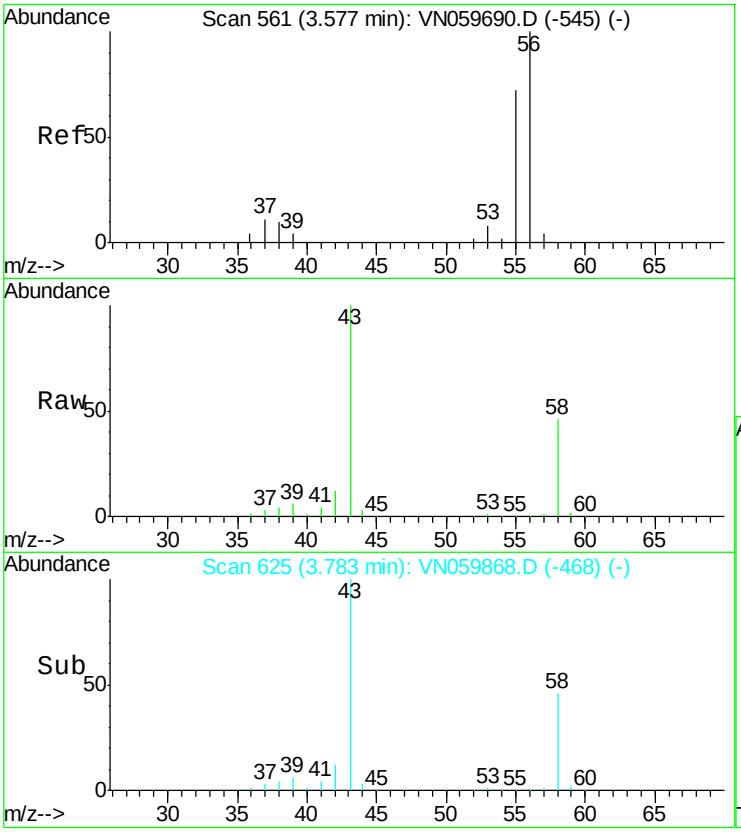




#11
Tert butyl alcohol
Concen: 3.18 ug/l
RT: 4.71 min Scan# 913
Delta R.T. -0.02 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 59 Resp: 1148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.6 | 12.8# |



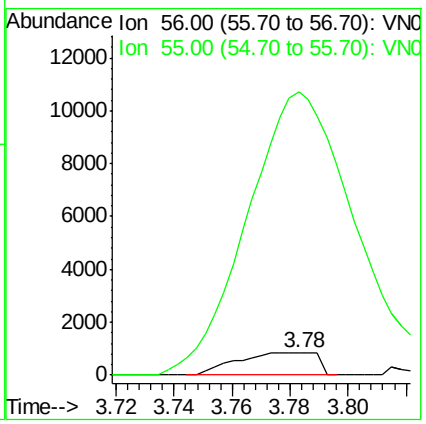


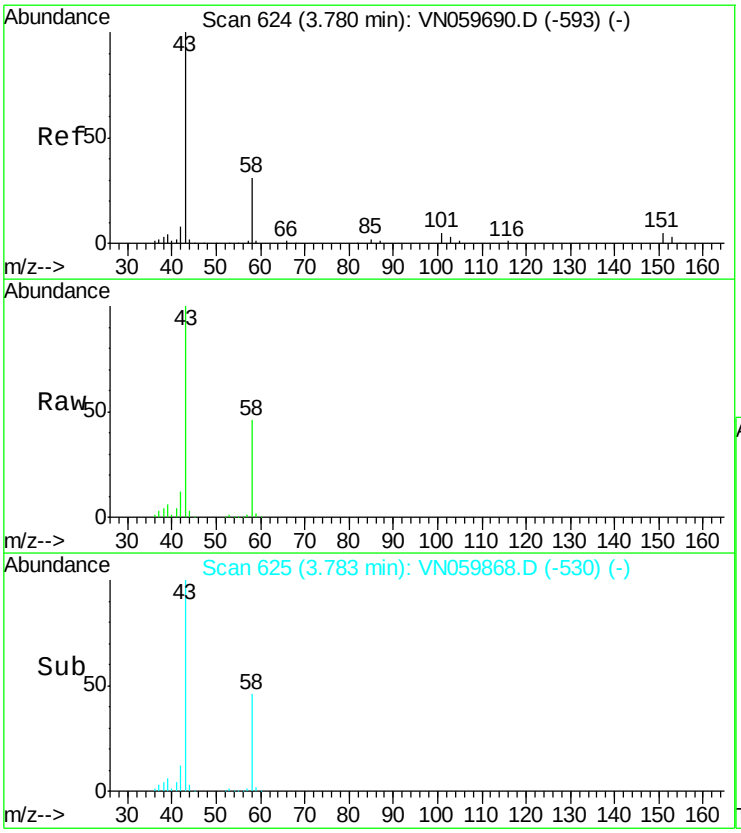

#13
Acrolein
Concen: 6.44 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.21 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion: 56 Resp: 1647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 1715.0 | 58.6 | 88.0# |

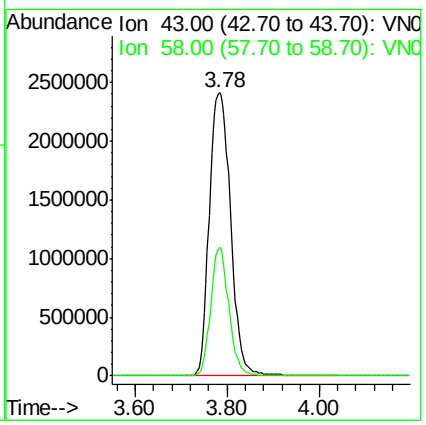


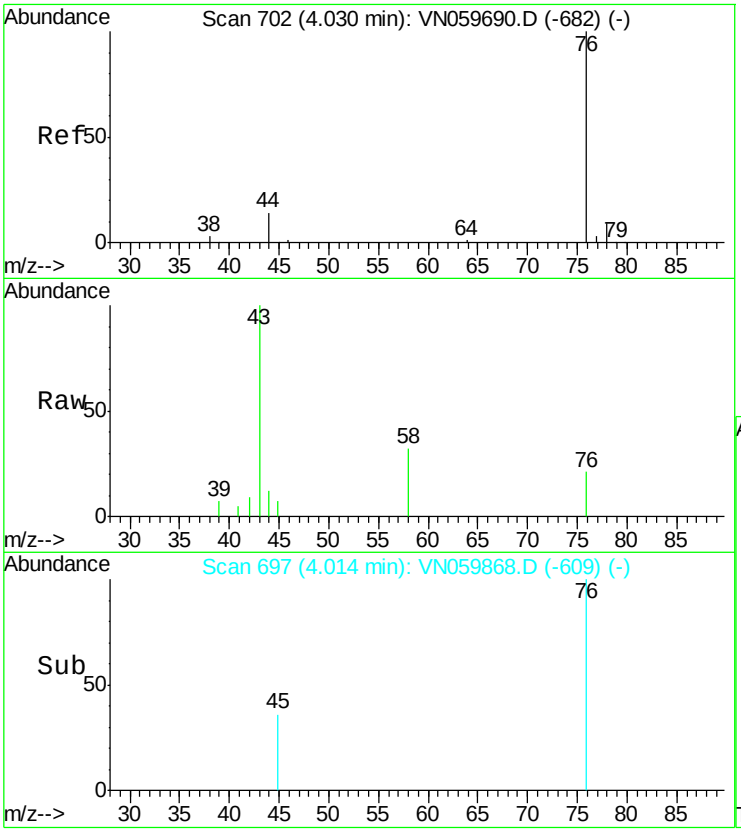




#16
Acetone
Concen: 11036.33 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 43 Resp: 7766811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.5 | 23.6 | 35.4# |



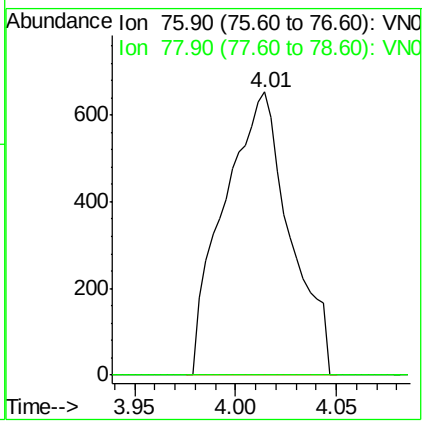


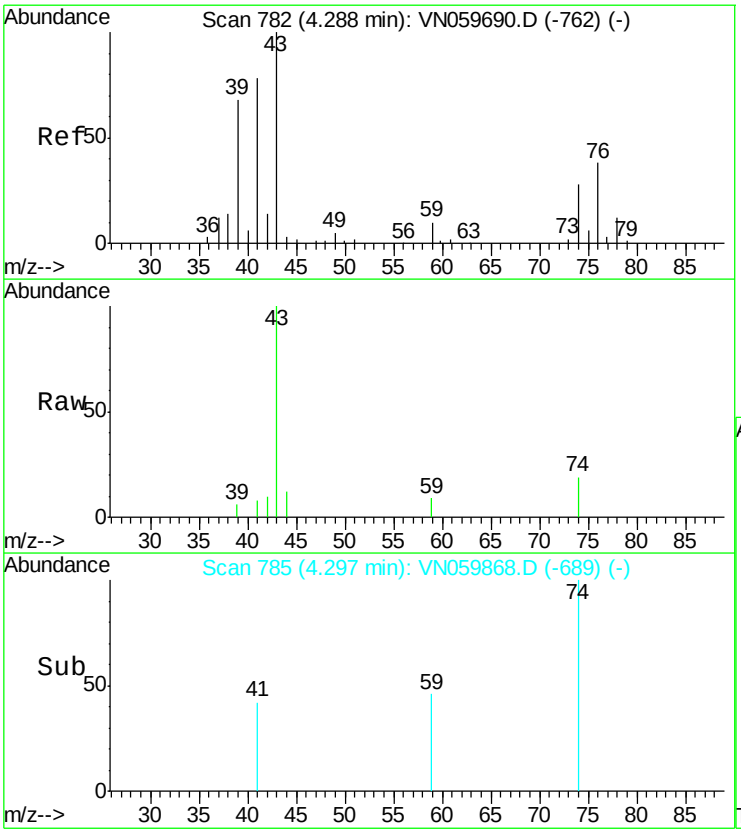

#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.02 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 76 Resp: 1483

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

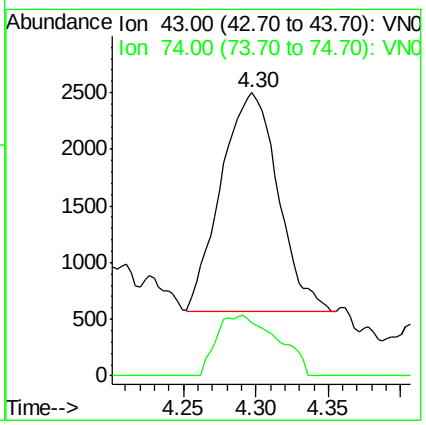


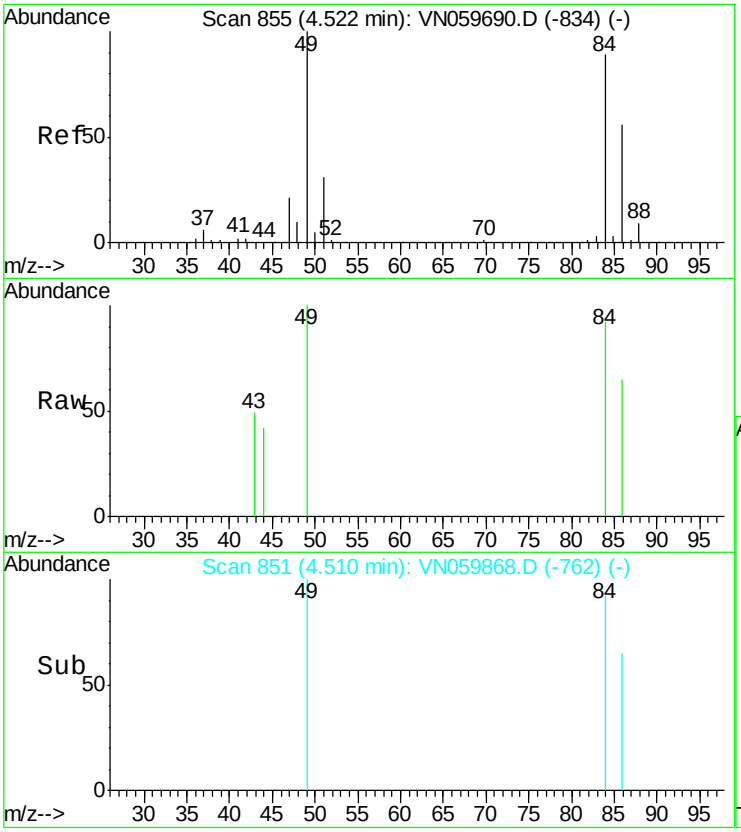




#18
Methyl Acetate
Concen: 2.11 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 43 Resp: 5284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 29.4 | 17.5 | 26.3# |



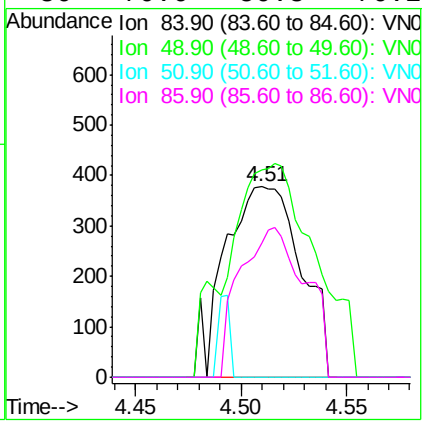


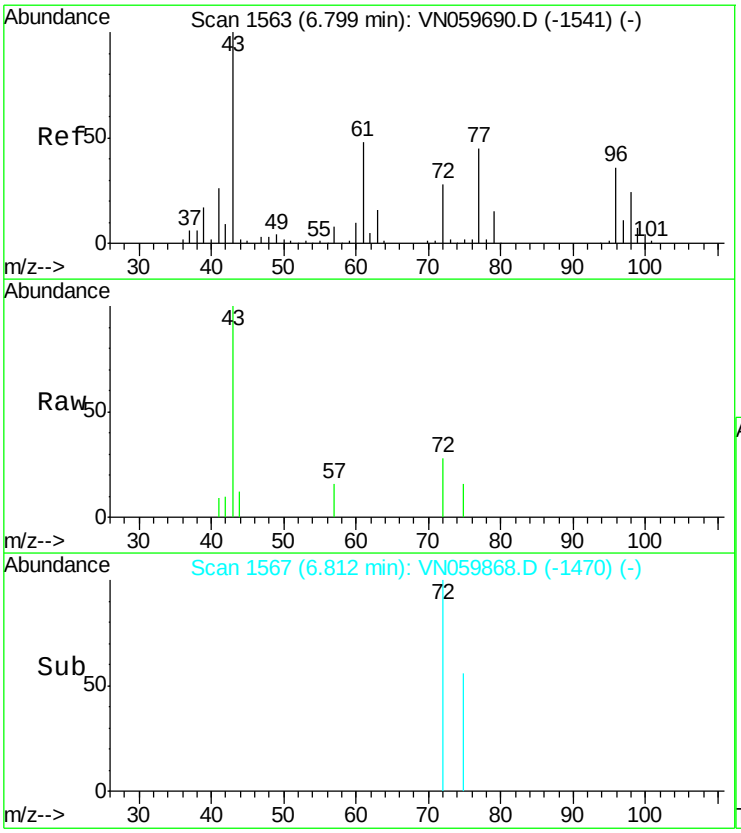

#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 84 Resp: 954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.0 | 106.6 | 160.0 |
| 51 | 0.0 | 31.9 | 47.9# |
| 86 | 70.6 | 50.8 | 76.2 |

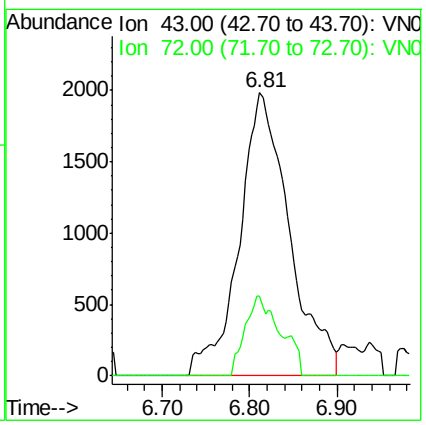


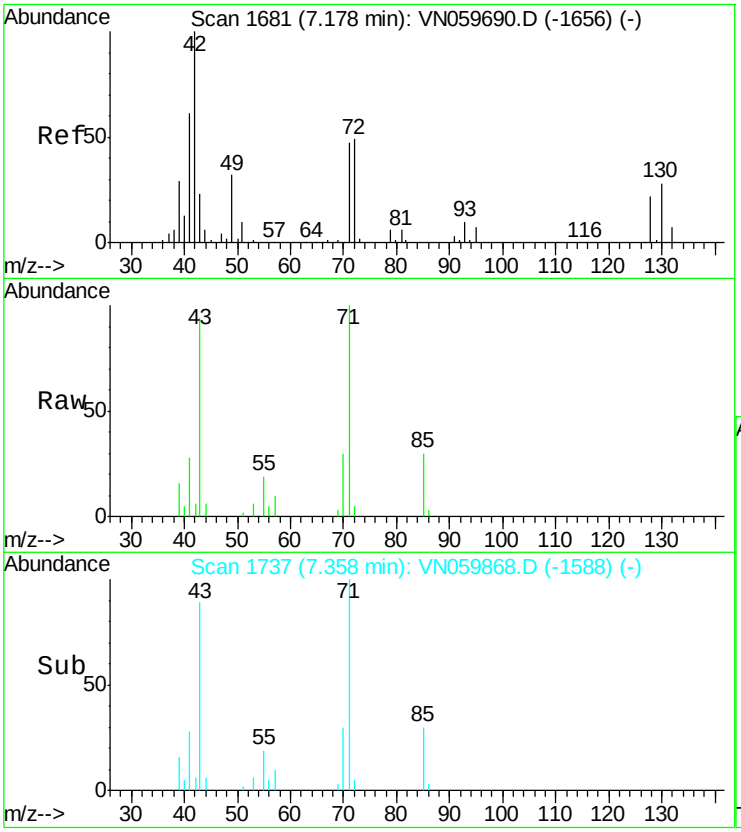




#25
2-Butanone
Concen: 6.49 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 43 Resp: 7887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.0 | 19.9 | 29.9 |



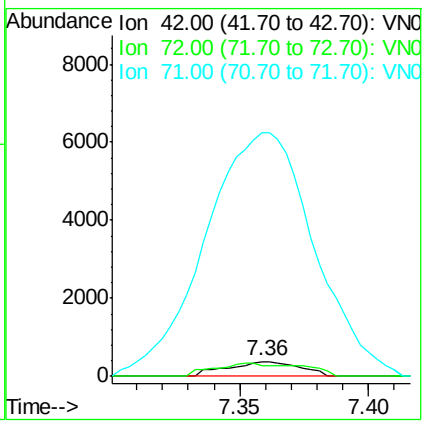


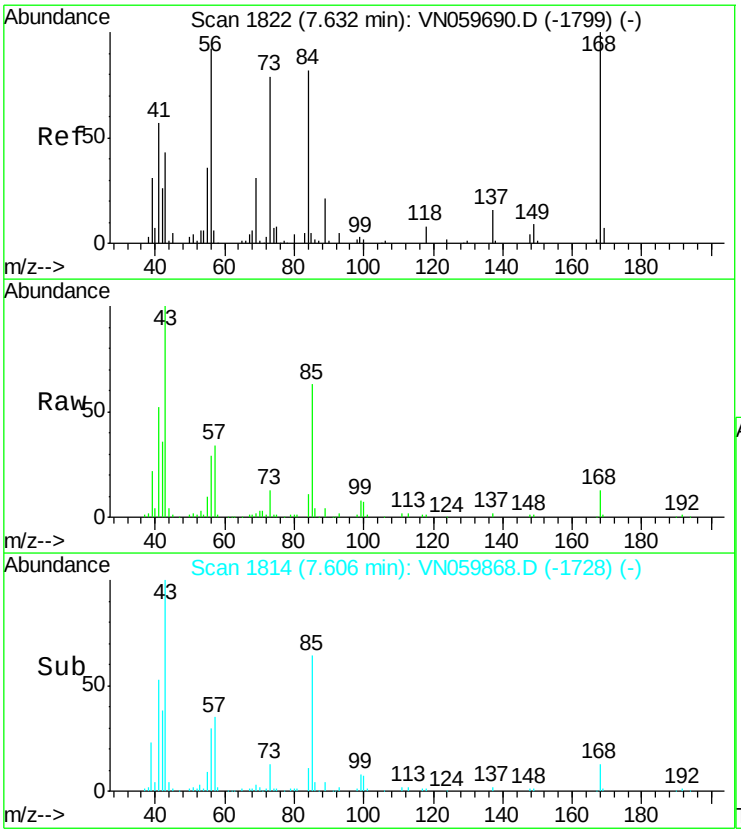

#29
Tetrahydrofuran
Concen: 0.99 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.18 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 42 Resp: 744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 72.8 | 33.1 | 49.7# |
| 71 | 2474.6 | 31.4 | 47.0# |

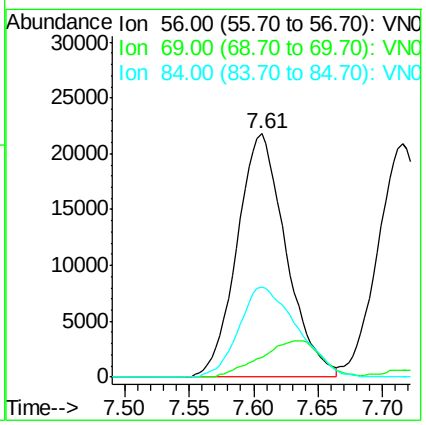


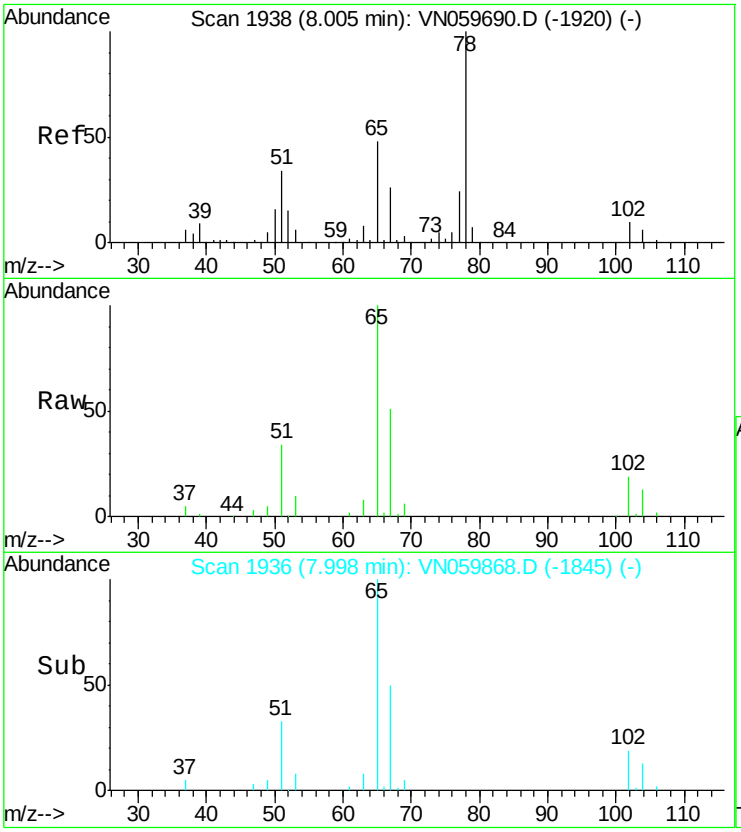




#31
Cyclohexane
Concen: 18.14 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.03 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 56 Resp: 57645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 8.2 | 26.5 | 39.7# |
| 84 | 37.2 | 65.3 | 97.9# |



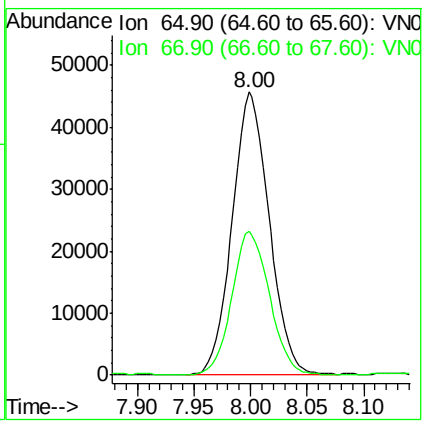


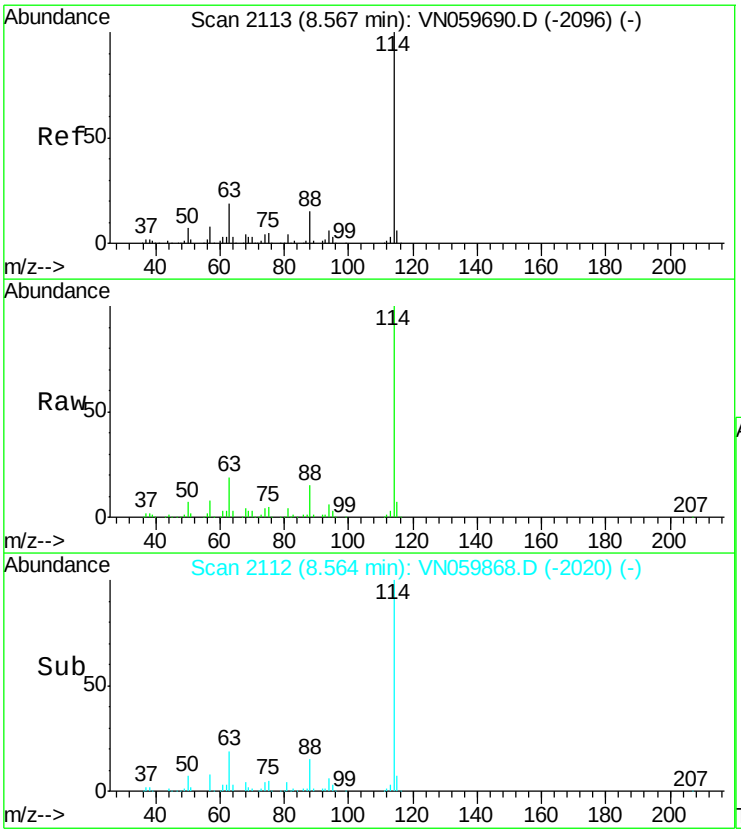

#33
1,2-Dichloroethane-d4
Concen: 48.58 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion: 65 Resp: 104323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 103.0 |

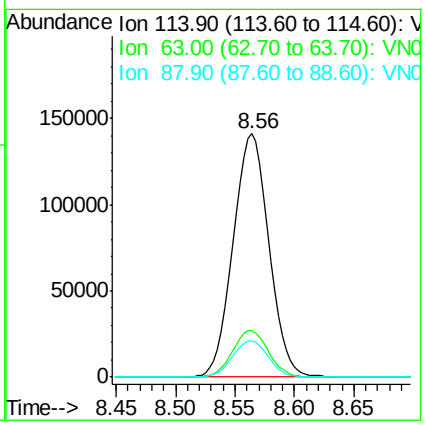


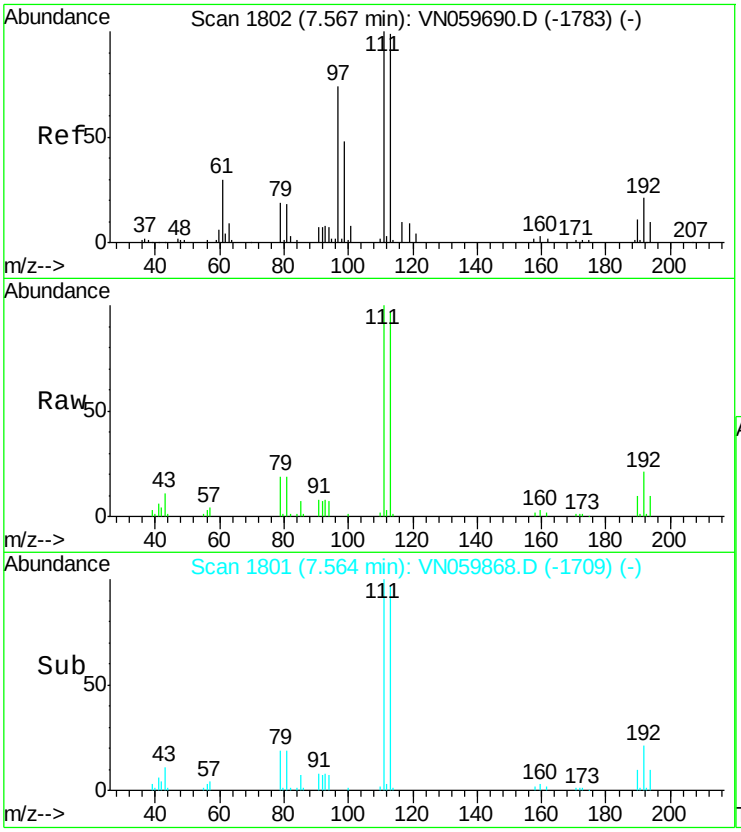




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion:114 Resp: 294544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 43.6 |
| 88 | 14.8 | 0.0 | 31.4 |



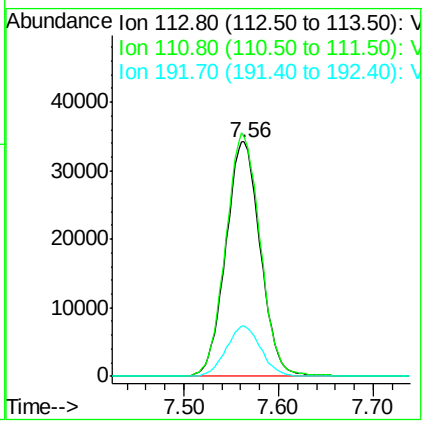


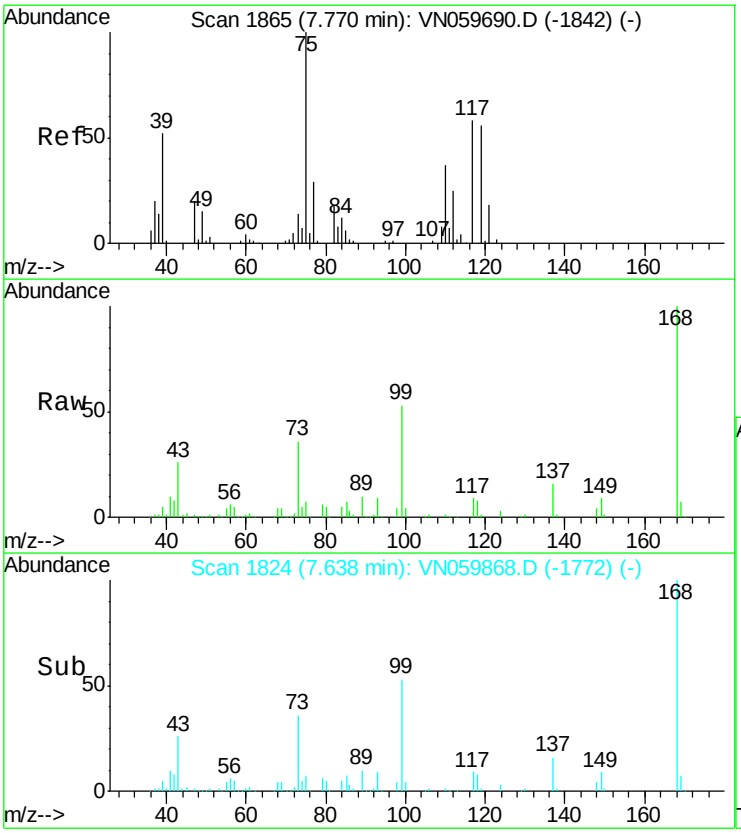

#35
Dibromofluoromethane
Concen: 49.41 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion:113 Resp: 86786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 83.5 | 125.3 |
| 192 | 21.4 | 15.4 | 23.2 |

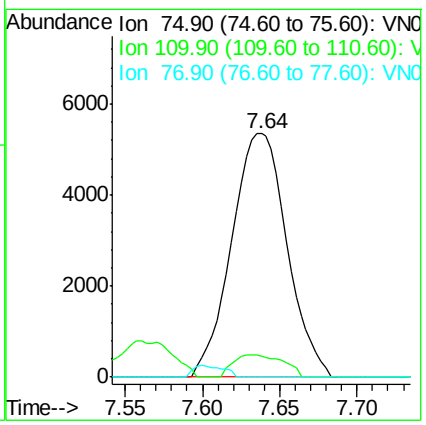


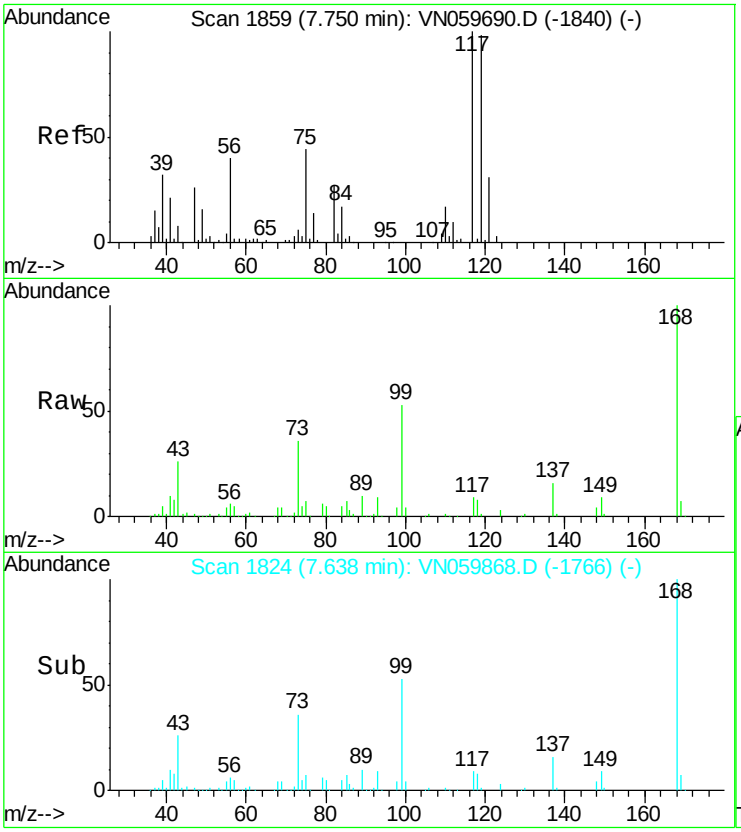




#36
1,1-Dichloropropene
Concen: 5.18 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.13 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 75 Resp: 13299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.1 | 16.6 | 49.7# |
| 77 | 0.0 | 25.1 | 37.7# |



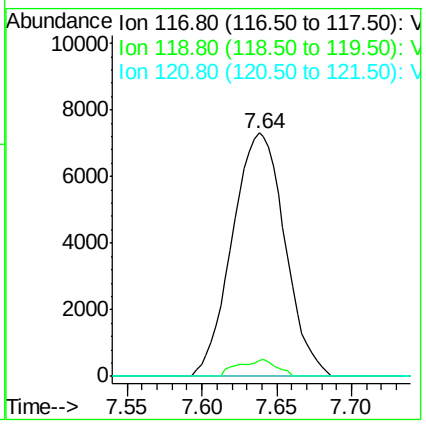


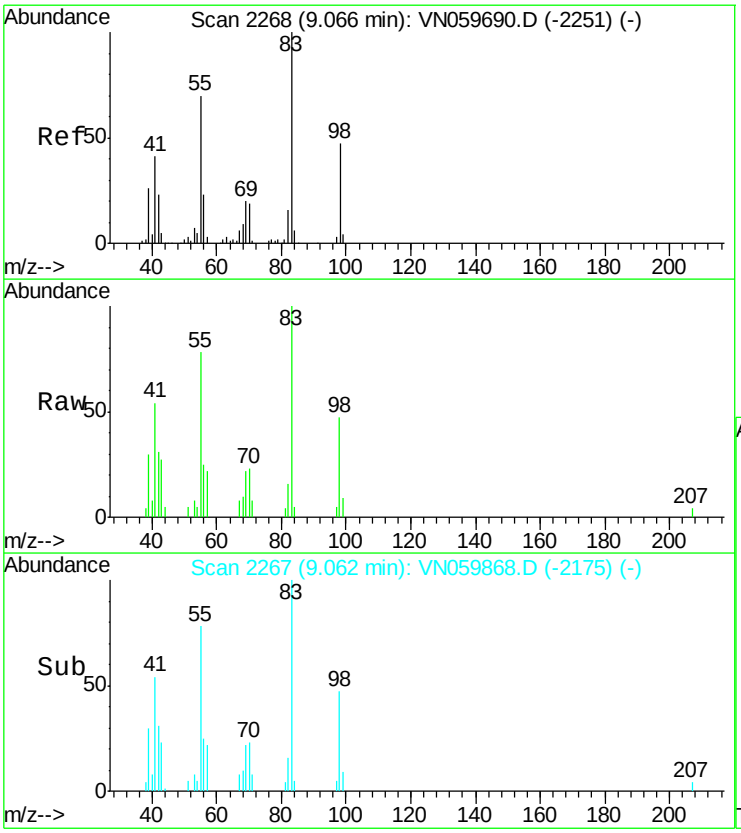

#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion:117 Resp: 17902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.3 | 76.5 | 114.7# |
| 121 | 0.0 | 25.1 | 37.7# |

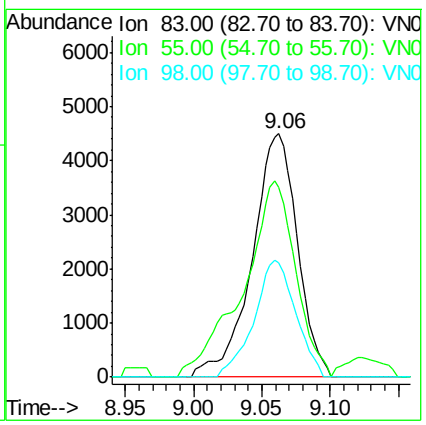


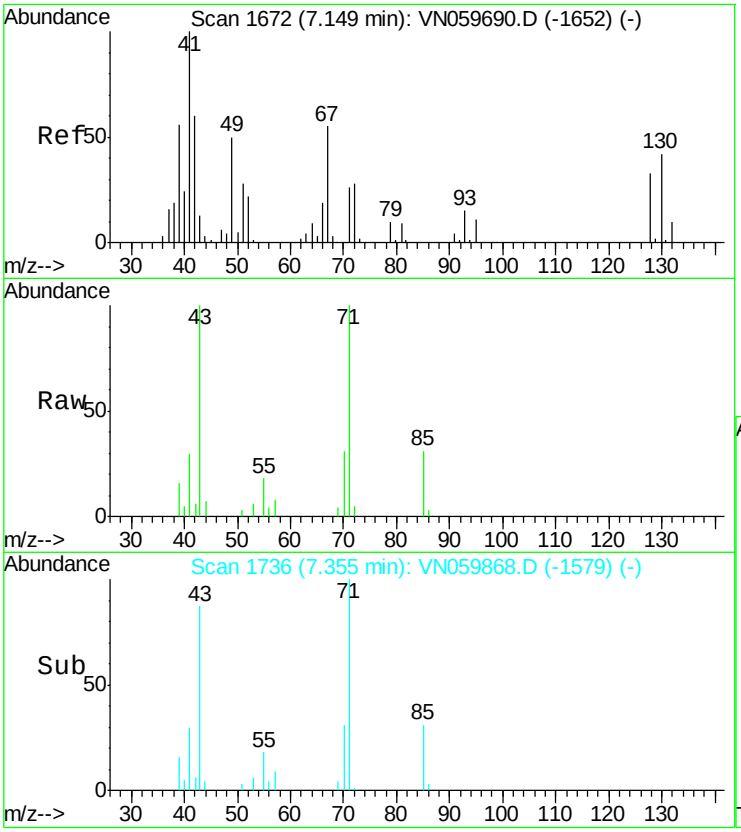




#39
Methylcyclohexane
Concen: 3.27 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 83 Resp: 10353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.1 | 64.2 | 96.2 |
| 98 | 46.9 | 35.9 | 53.9 |



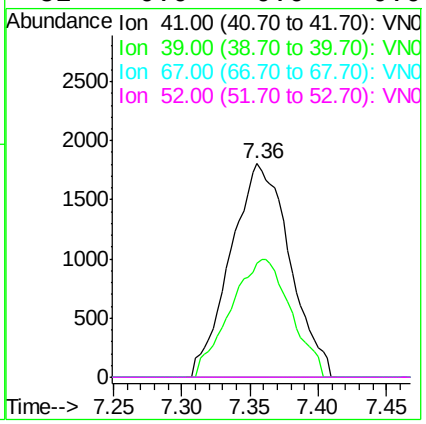


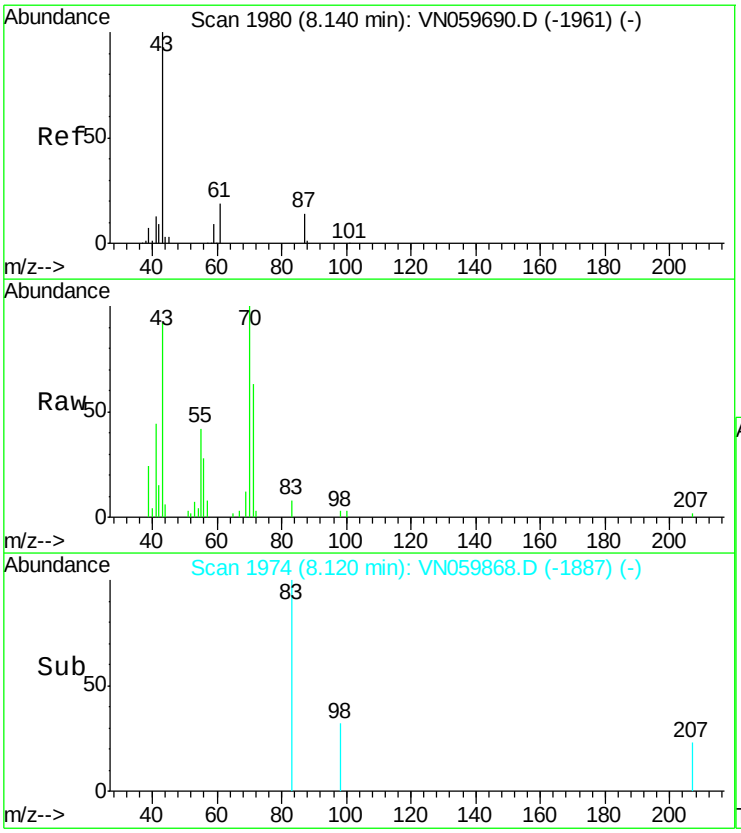

#41
Methacrylonitrile
Concen: 4.60 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.21 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 41 Resp: 5456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.2 | 0.0 | 0.0# |
| 67 | 0.0 | 0.0 | 0.0 |
| 52 | 0.0 | 0.0 | 0.0 |

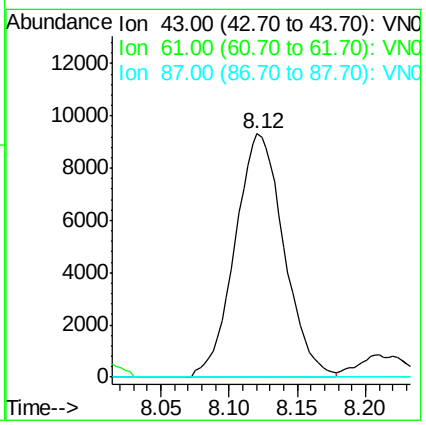


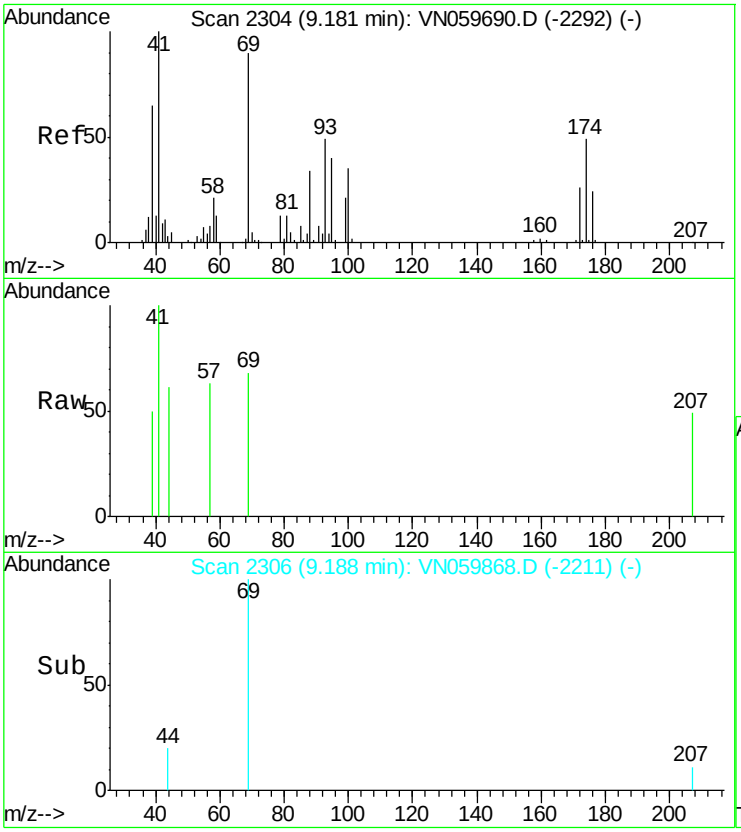




#43
Isopropyl Acetate
Concen: 5.59 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.02 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 43 Resp: 23146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 20.2 | 30.2# |
| 87 | 0.0 | 9.5 | 14.3# |



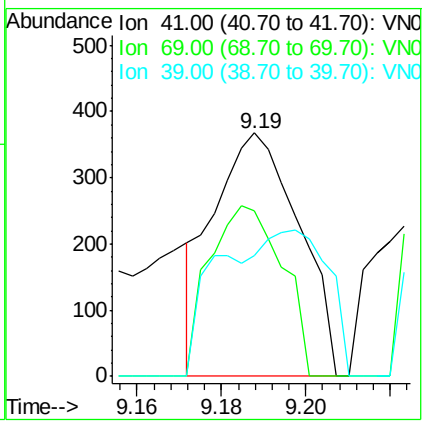


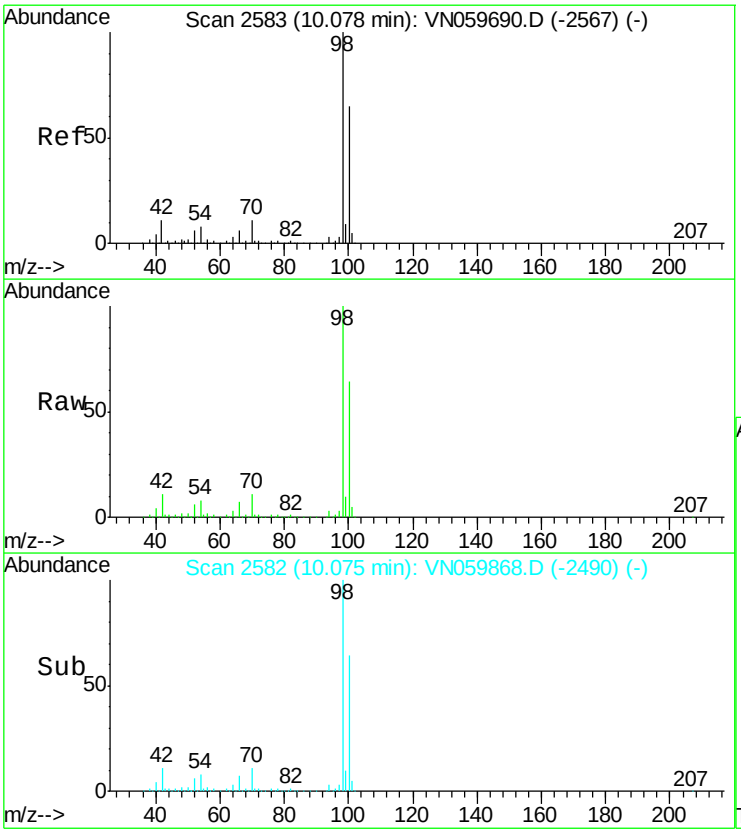

#48
Methyl methacrylate
Concen: 0.28 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 41 Resp: 519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 59.7 | 64.4 | 96.6# |
| 39 | 76.1 | 51.3 | 76.9 |

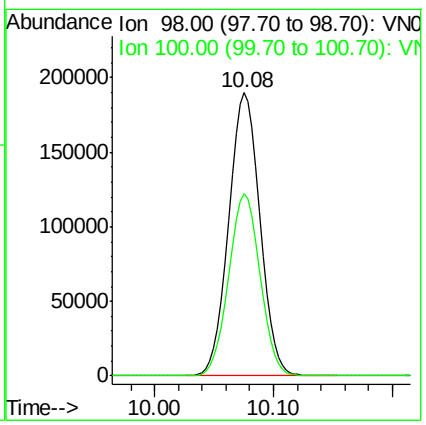


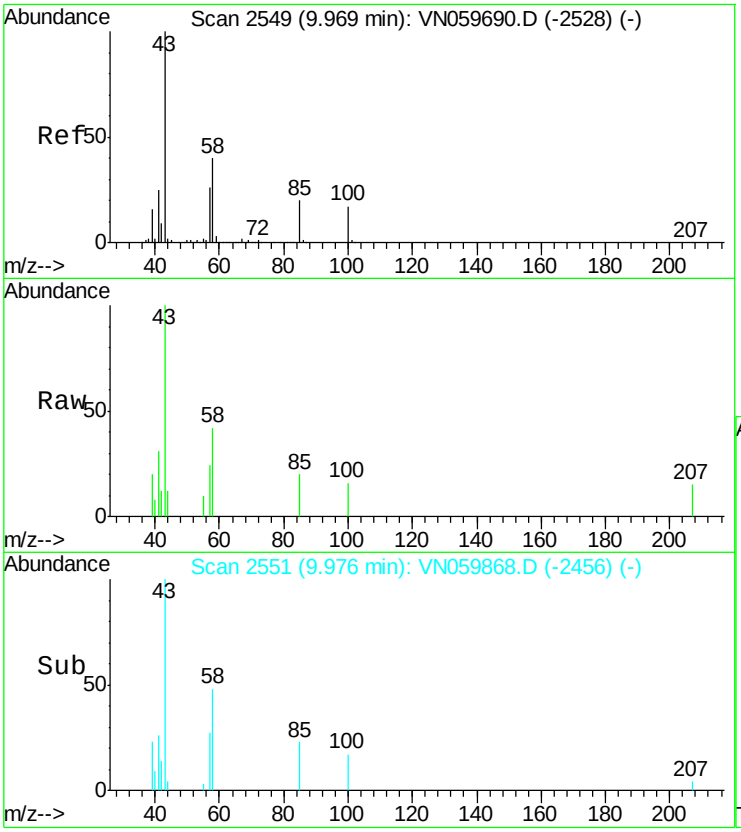




#50
Toluene-d8
Concen: 50.82 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 98 Resp: 345867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 51.2 | 76.8 |



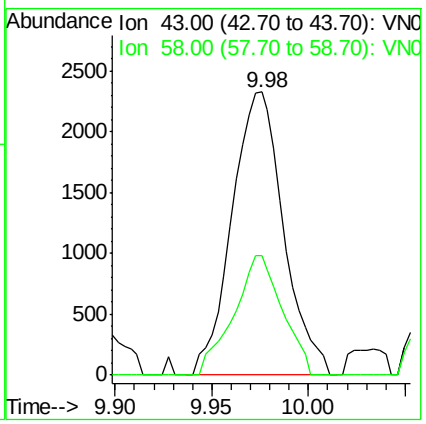


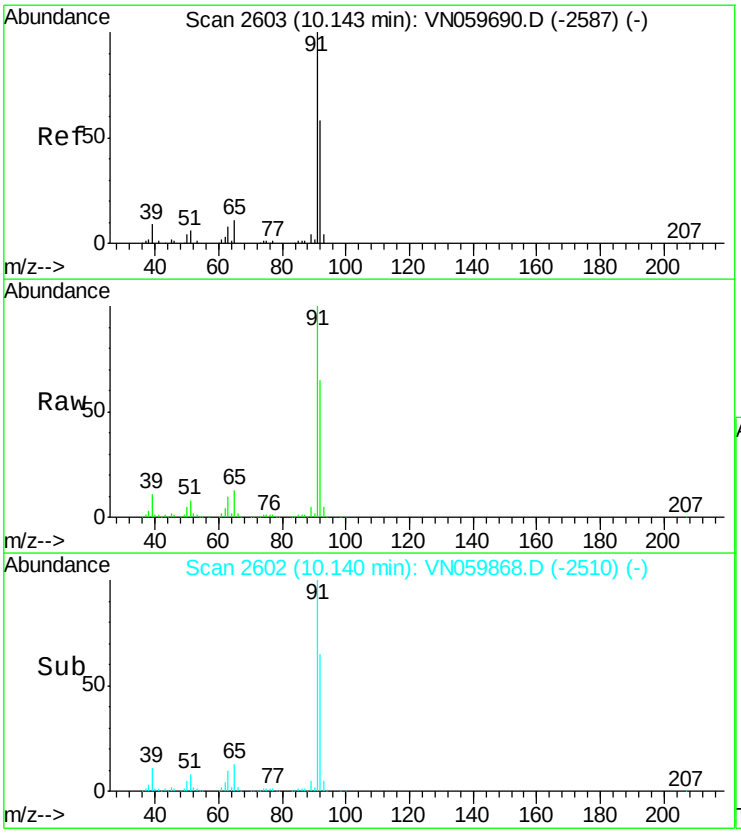

#51
4-Methyl-2-Pentanone
Concen: 1.80 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :**
MSVOA_N
**ClientSampleId :**
30529ME

Tgt Ion: 43 Resp: 4315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.7 | 29.8 | 44.8 |

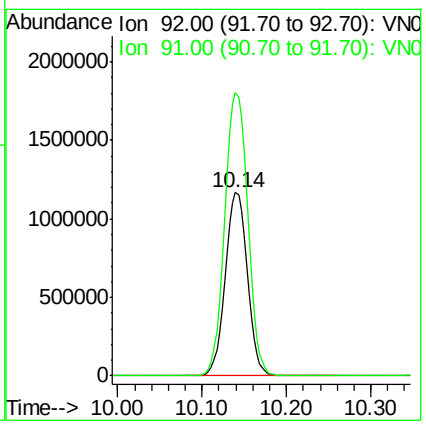


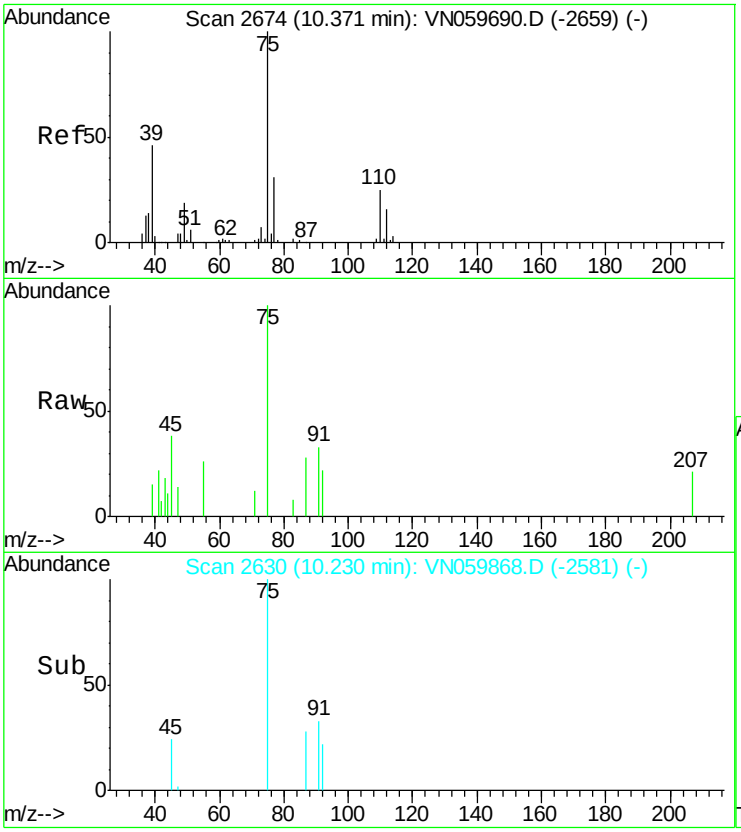




#52
Toluene
Concen: 437.94 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 92 Resp: 2116081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 162.1 | 140.4 | 210.6 |



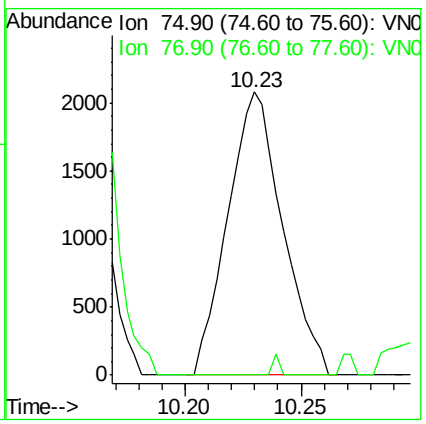


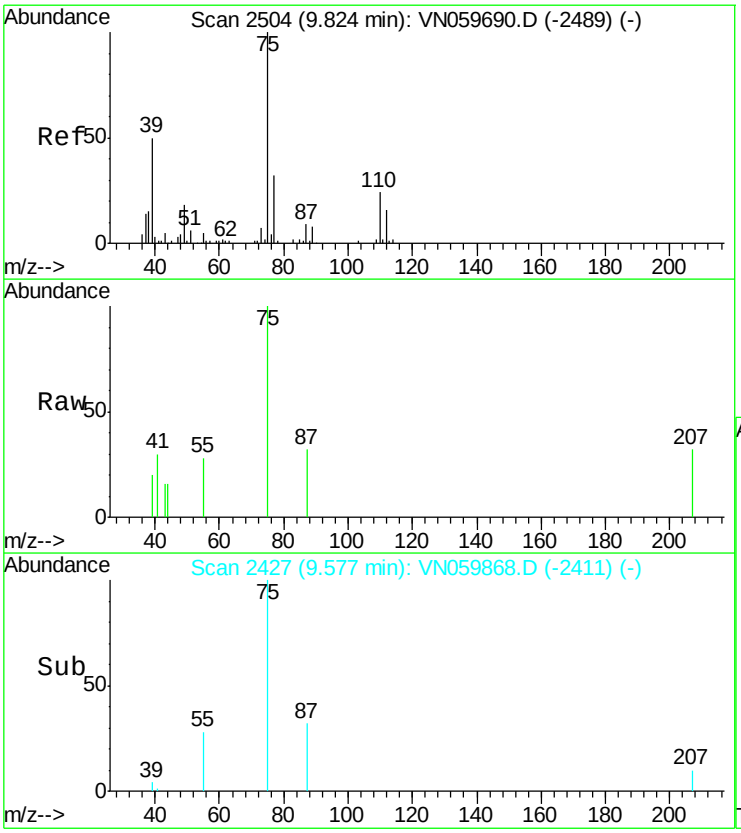

#53
t-1,3-Dichloropropene
Concen: 1.13 ug/l
RT: 10.23 min Scan# 2630
Delta R.T. -0.14 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 75 Resp: 3410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.2# |

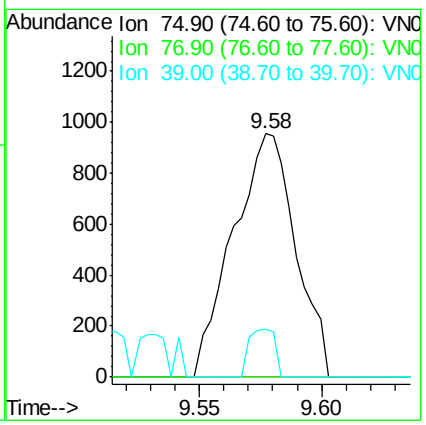


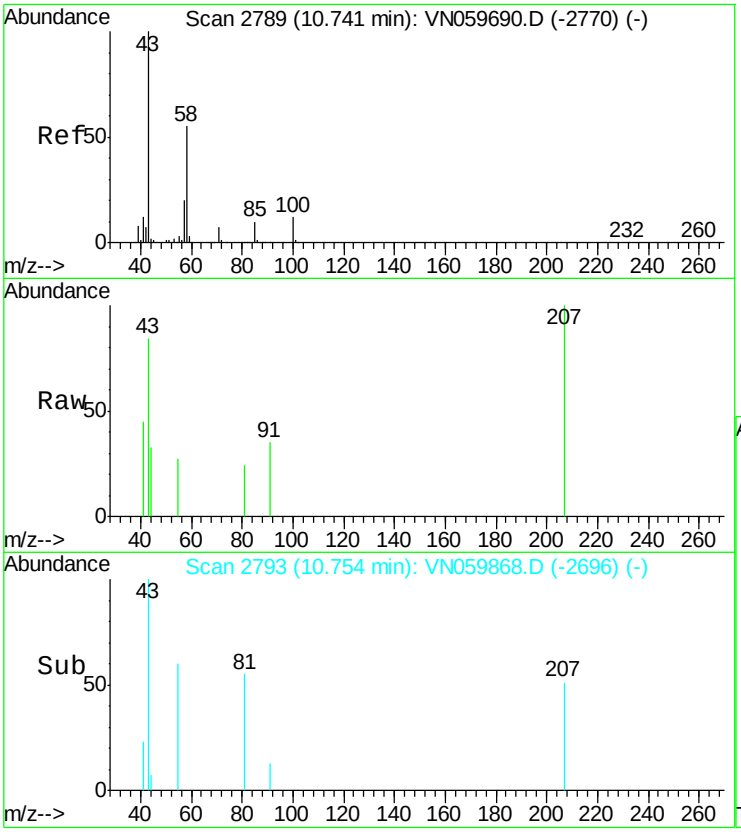




#54
cis-1,3-Dichloropropene
Concen: 0.54 ug/l
RT: 9.58 min Scan# 2427
Delta R.T. -0.25 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 75 Resp: 1696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.1 | 37.7# |
| 39 | 19.7 | 46.1 | 69.1# |



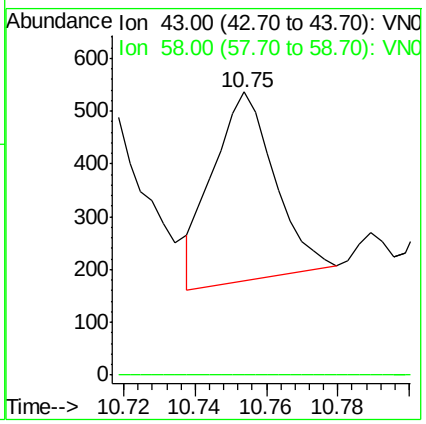


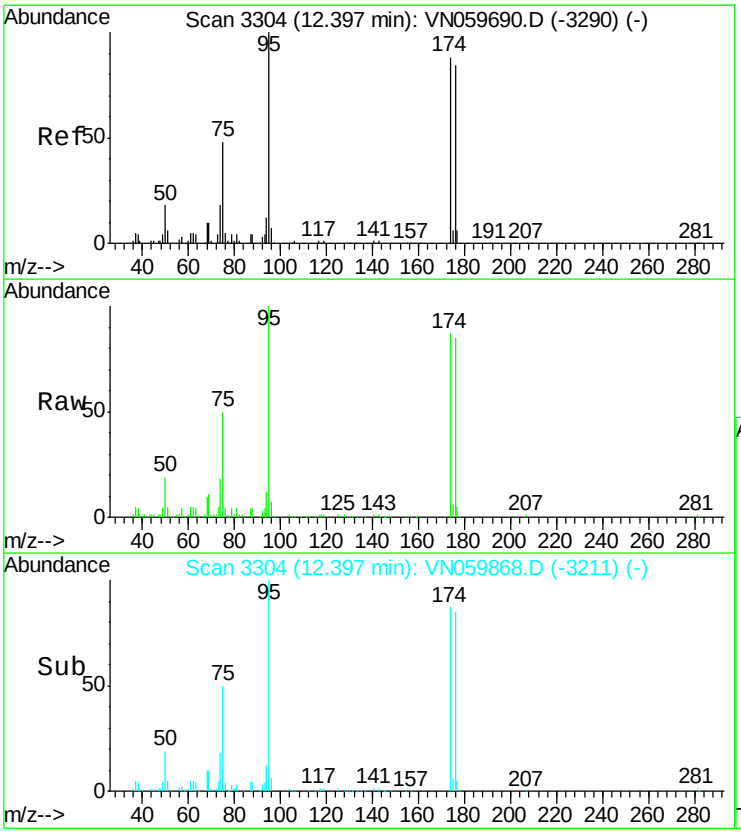

#59
2-Hexanone
Concen: 0.25 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion: 43 Resp: 432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 25.8 | 77.3# |

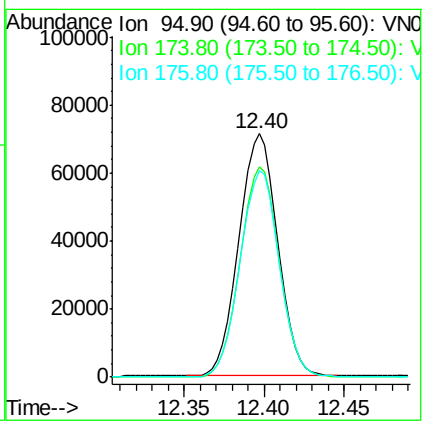


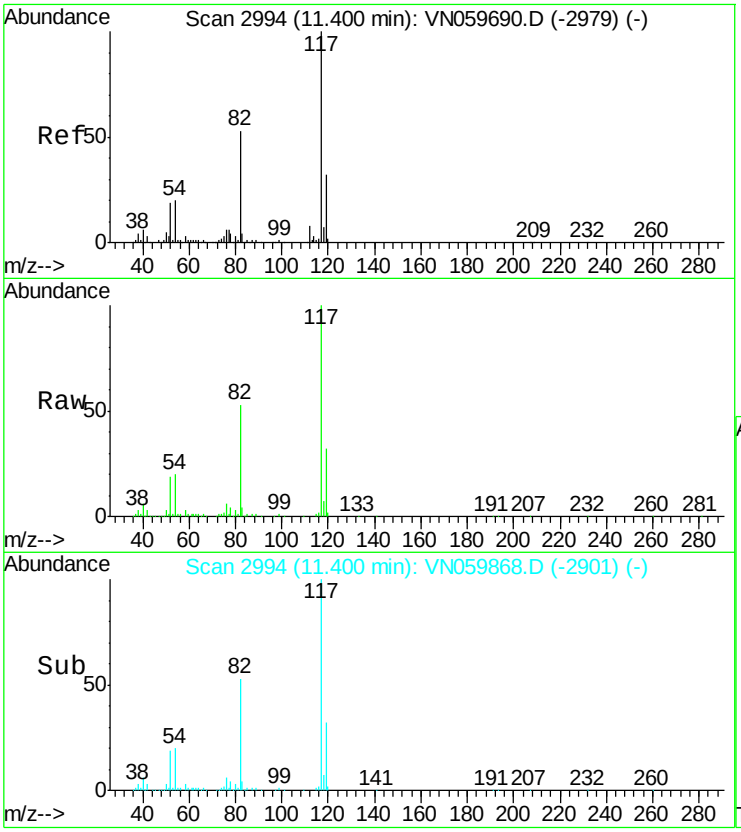




#62
4-Bromofluorobenzene
Concen: 48.09 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 95 Resp: 117973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.4 | 0.0 | 151.4 |
| 176 | 86.4 | 0.0 | 146.0 |



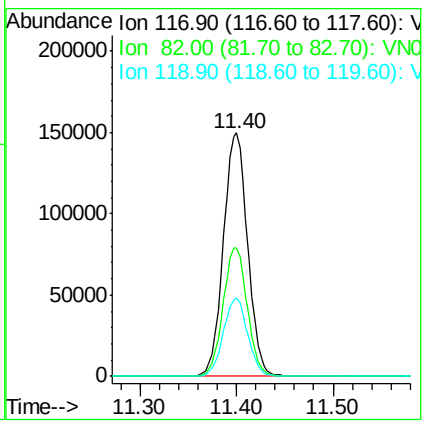


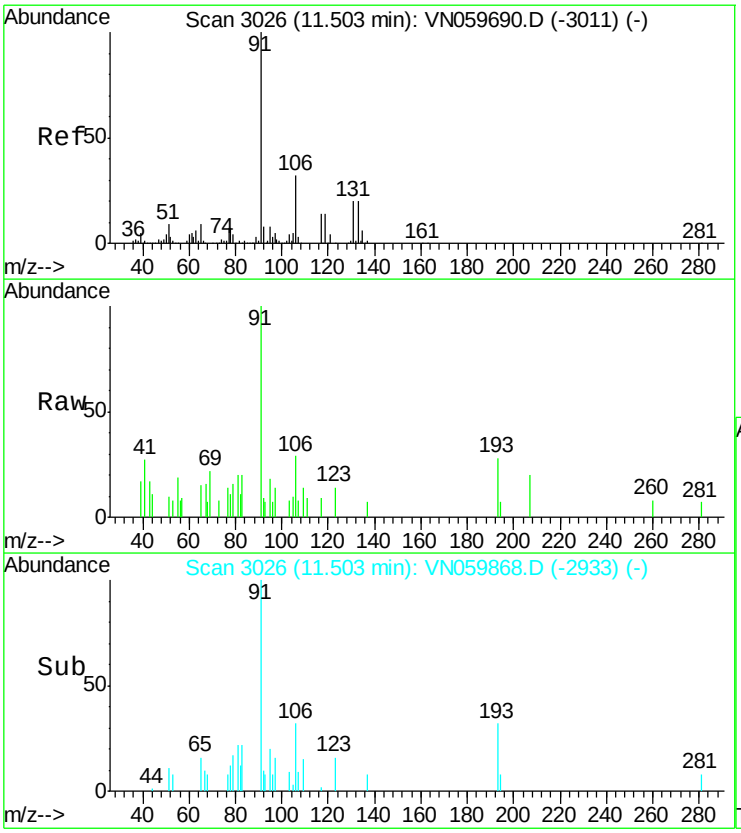

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

**Instrument :** MSVOA_N
**ClientSampleId :** 30529ME

Tgt Ion:117 Resp: 259950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 45.9 | 68.9 |
| 119 | 32.0 | 25.5 | 38.3 |




#67
Ethyl Benzene
Concen: 0.43 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059868.D
Acq: 27 Jan 2020 13:29

Tgt Ion: 91 Resp: 4005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 24.1 | 36.1 |