Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051685.D
Acq On : 5 Oct 2018 14:27
Operator : MD\SY
Sample : J5239-02 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** 002M-35TH-AVE(AUG)

Quant Time: Oct 05 14:55:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 7.20 | 128 | 94464 | 30.00 | ug/l | | 0.00 |
| 28) 1,4-Difluorobenzene | 8.59 | 114 | 535093 | 30.00 | ug/l | | 0.00 |
| 57) Chlorobenzene-d5 | 11.41 | 117 | 429712 | 30.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.03 | 65 | 196908 | 30.03 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 100.10% | | | | |
| 60) 4-Bromofluorobenzene | 12.40 | 95 | 150288 | 22.92 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 76.40% | | | | |
| 63) Toluene-d8 | 10.09 | 98 | 619197 | 32.45 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 108.17% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 13) Acrolein | 3.63 | 56 | 260 | 1.016 | ug/l | | 83 |
| 15) Acetone | 3.82 | 58 | 37791 | 111.301 | ug/l | | 78 |
| 16) Carbon Disulfide | 4.05 | 76 | 2693 | 0.214 | ug/l | # | 76 |
| 23) tert-Butyl Alcohol | 4.79 | 59 | 105 | 0.286 | ug/l | # | 100 |
| 25) Chloroform | 7.37 | 83 | 29508 | 2.895 | ug/l | | 91 |
| 30) 2-Butanone | 6.83 | 43 | 593 | 0.342 | ug/l | # | 36 |
| 41) Bromodichloromethane | 9.41 | 83 | 3164 | 0.389 | ug/l | # | 85 |
| 45) 1,4-Dioxane | 8.75 | 88 | 100 | 1.964 | ug/l | # | 1 |
| 58) 4-Methyl-2-Pentanone | 9.99 | 43 | 1071 | 0.304 | ug/l | # | 63 |
| 59) 2-Hexanone | 10.76 | 43 | 795 | 0.333 | ug/l | # | 57 |
| 62) Toluene | 10.16 | 91 | 220539 | 10.132 | ug/l | | 99 |
| 72) 1,2,3-Trichloropropane | 12.40 | 75 | 79398 | 18.362 | ug/l | | 1 |
| 77) t-1,4-Dichloro-2-butene | 12.40 | 75 | 79398 | 49.248 | ug/l | # | 12 |
| 79) tert-butylbenzene | 13.29 | 119 | 8491 | 0.429 | ug/l | | 58 |
| 82) p-Isopropyltoluene | 13.29 | 119 | 8491 | 0.364 | ug/l | | 97 |
| 89) 1,2,4-Trichlorobenzene | 14.90 | 180 | 72 | 6.842 | ug/l | # | 1 |

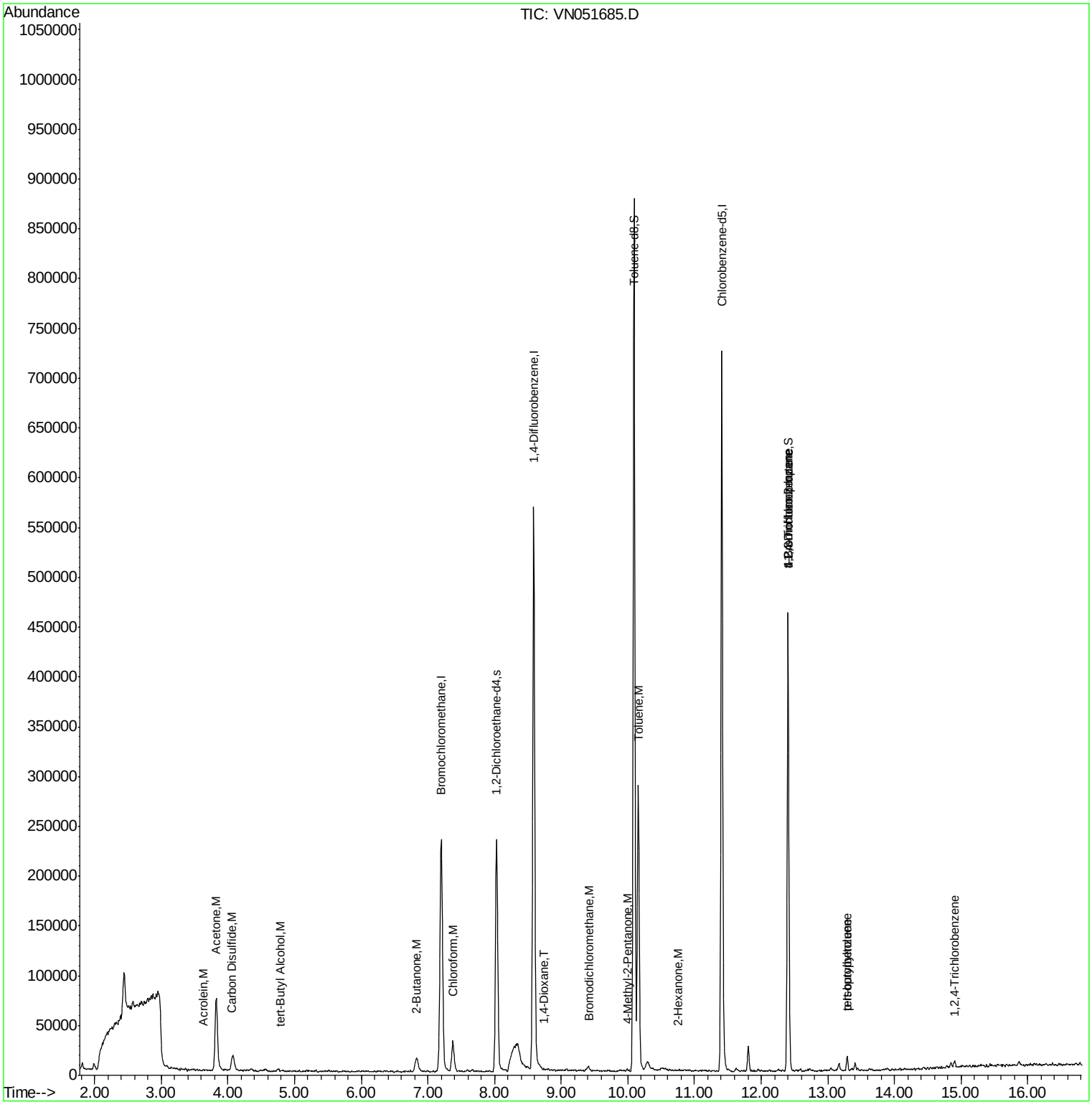
(#) = qualifier out of range (m) = manual integration (+) = signals summed

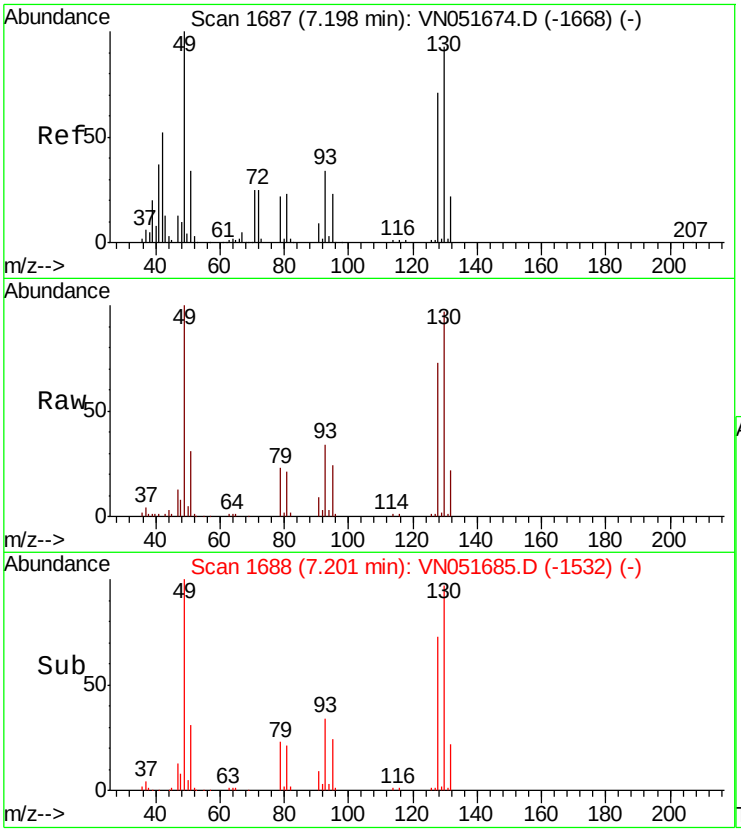
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051685.D
Acq On : 5 Oct 2018 14:27
Operator : MD\SY
Sample : J5239-02 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** 002M-35TH-AVE(AUG)

Quant Time: Oct 05 14:55:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration



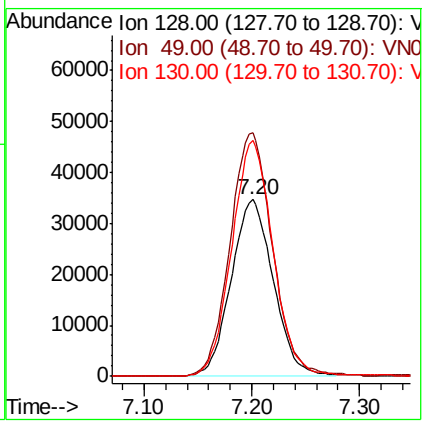


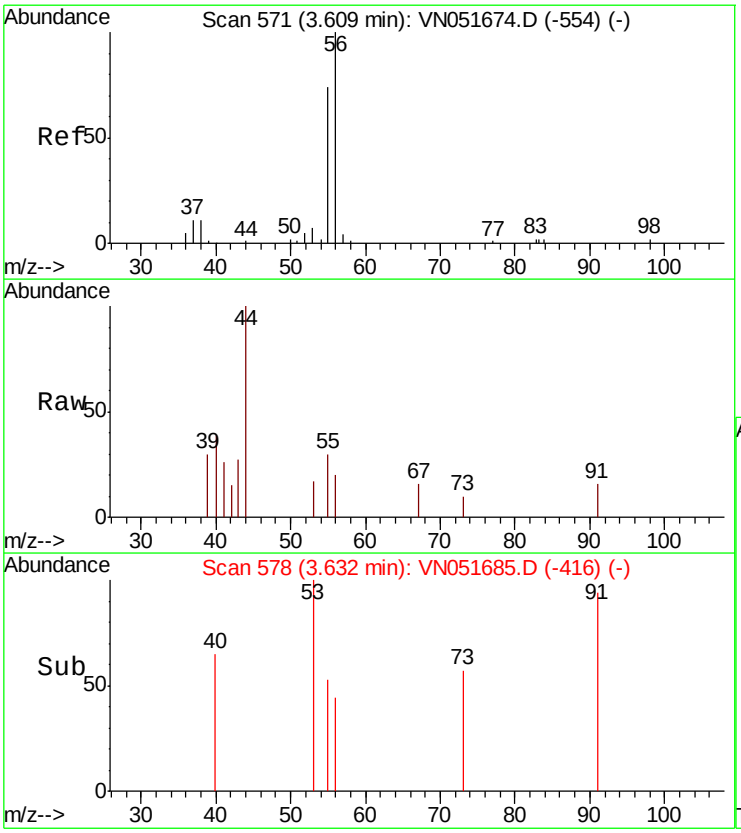

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion:128 Resp: 94464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 138.1 | 0.0 | 403.3 |
| 130 | 130.7 | 0.0 | 326.0 |

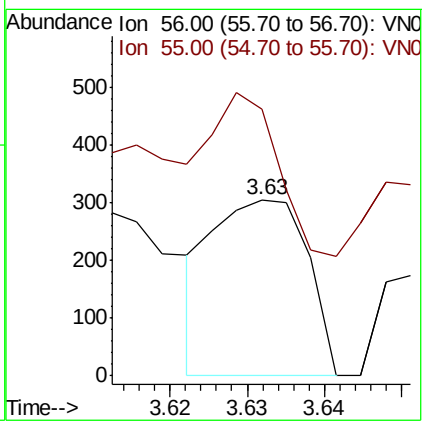


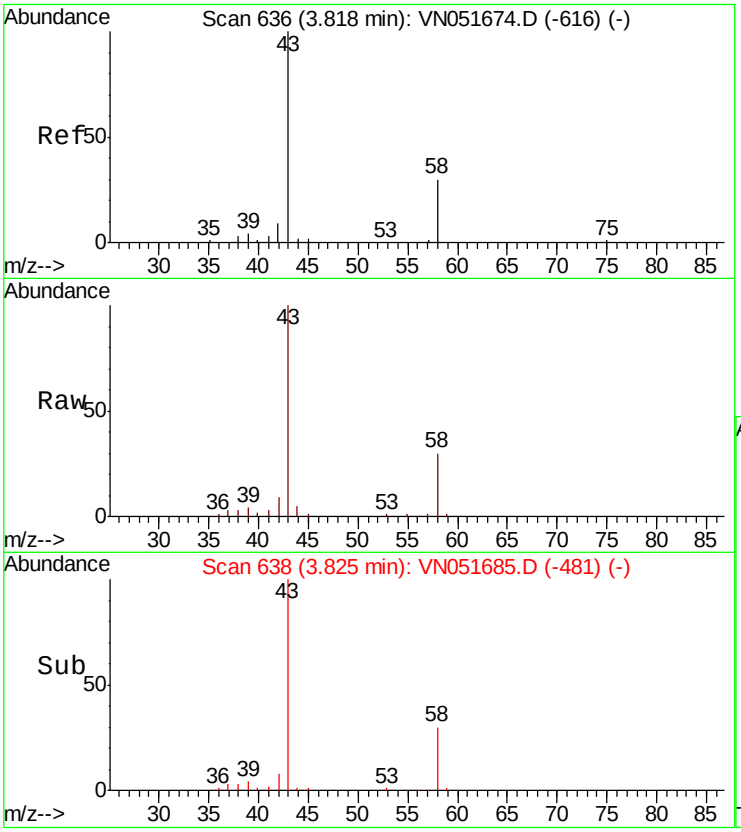




#13
Acrolein
Concen: 1.016 ug/l
RT: 3.63 min Scan# 578
Delta R.T. 0.02 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 56 Resp: 260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 65.0 | 64.0 | 96.0 |



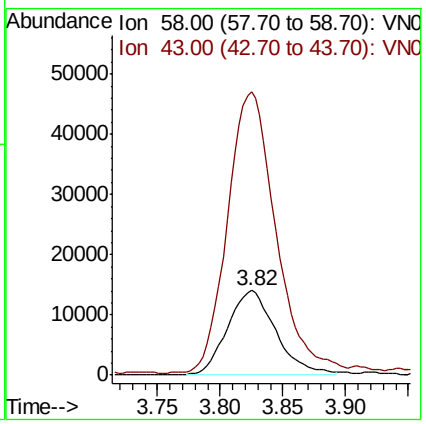


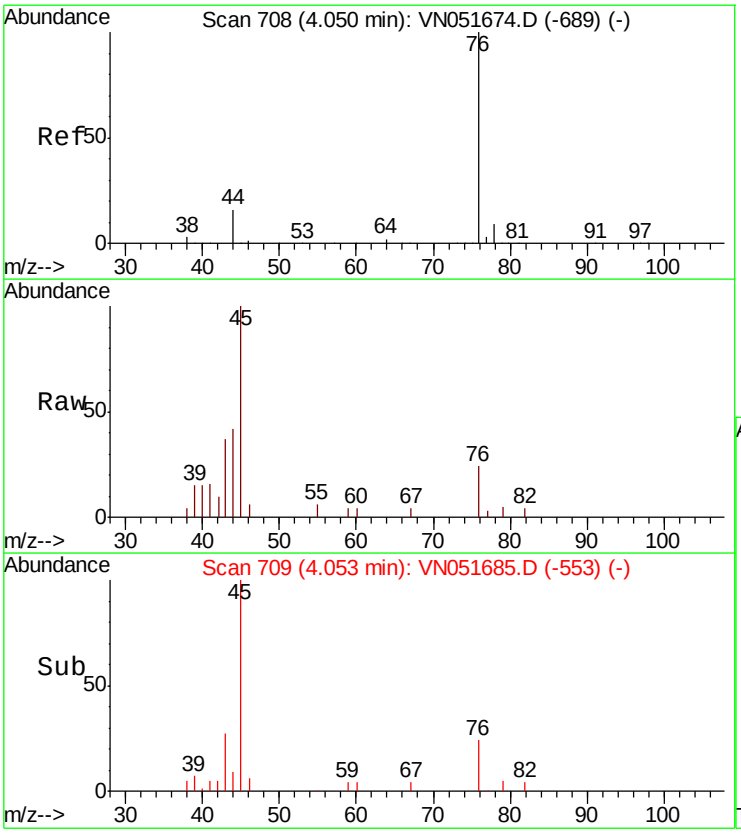

#15
Acetone
Concen: 111.301 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 58 Resp: 37791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 331.8 | 232.2 | 348.2 |

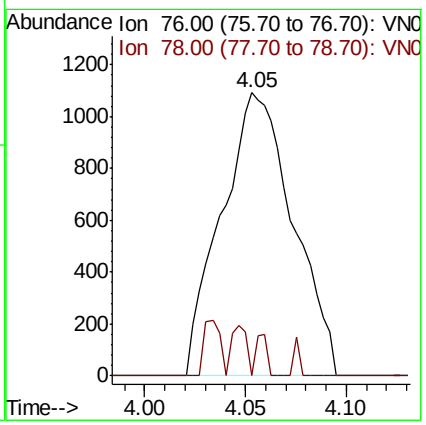


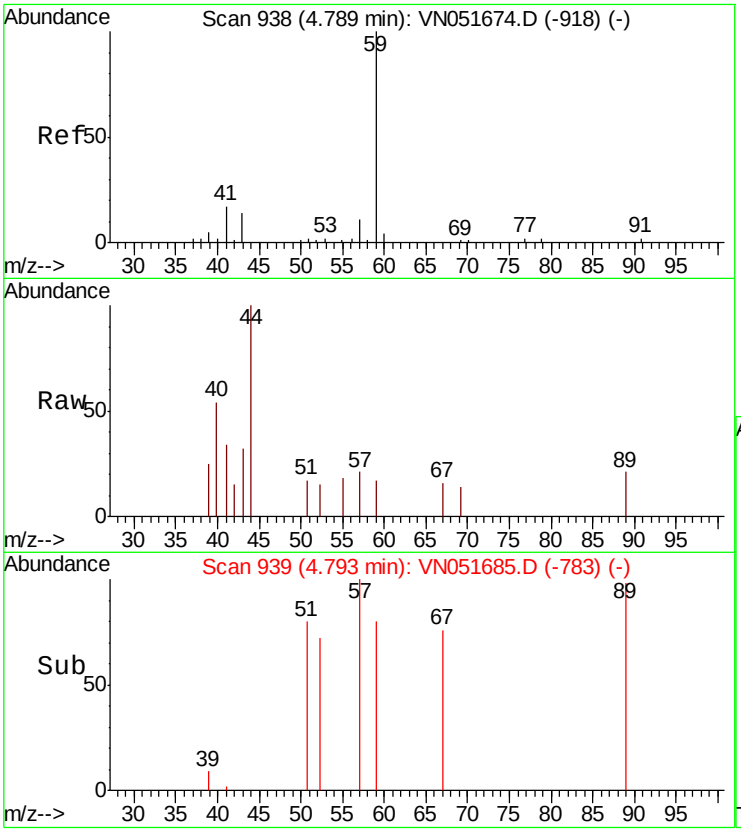




#16
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 76 Resp: 2693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 6.7 | 10.1# |



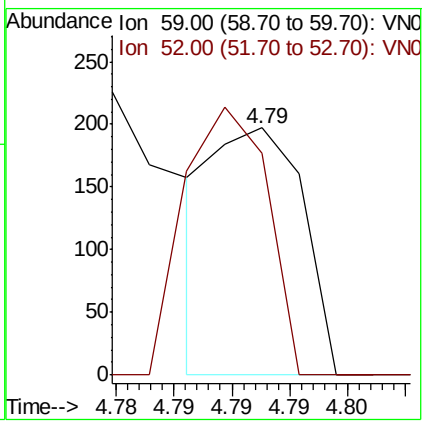


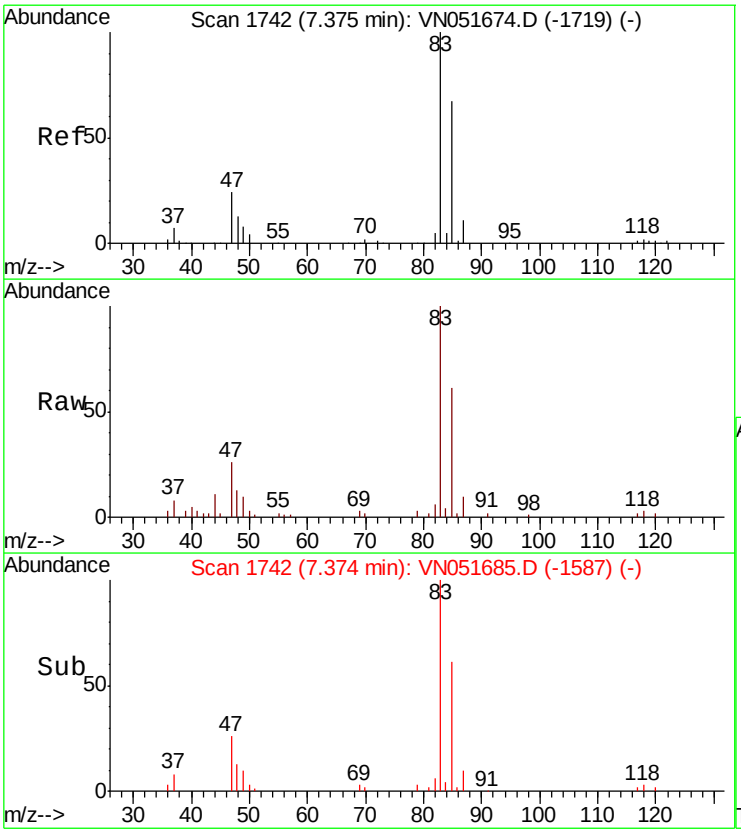

#23
tert-Butyl Alcohol
Concen: 0.286 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 59 Resp: 105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 101.9 | 0.0 | 0.0# |

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

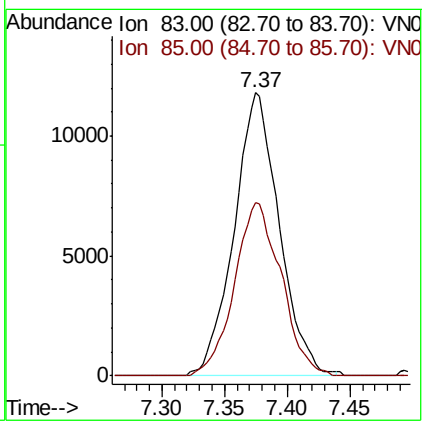


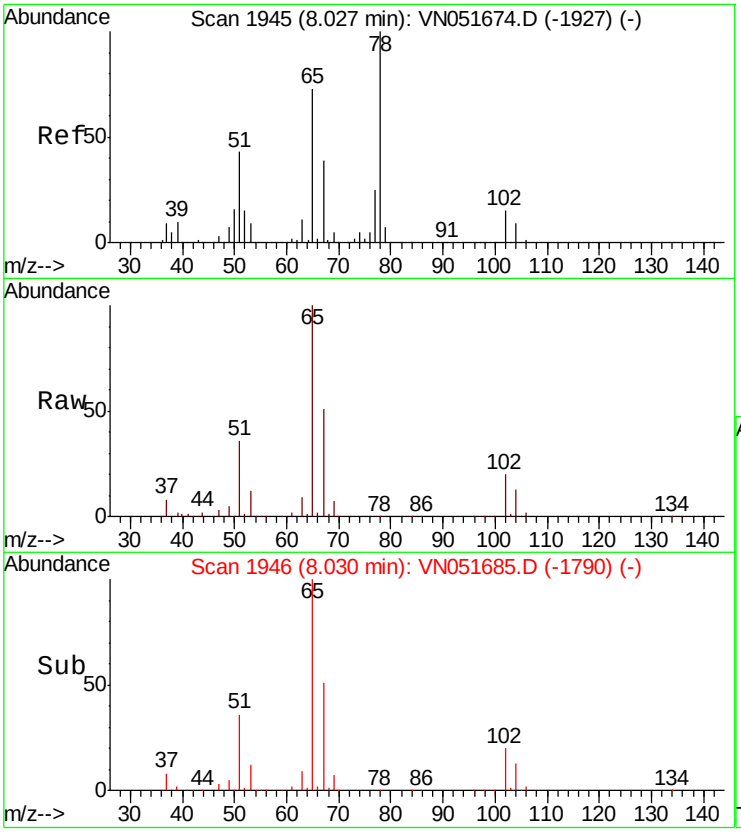




#25
Chloroform
Concen: 2.895 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 83 Resp: 29508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.4 | 54.6 | 82.0 |



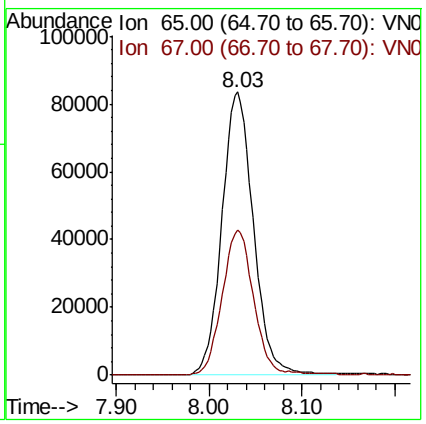


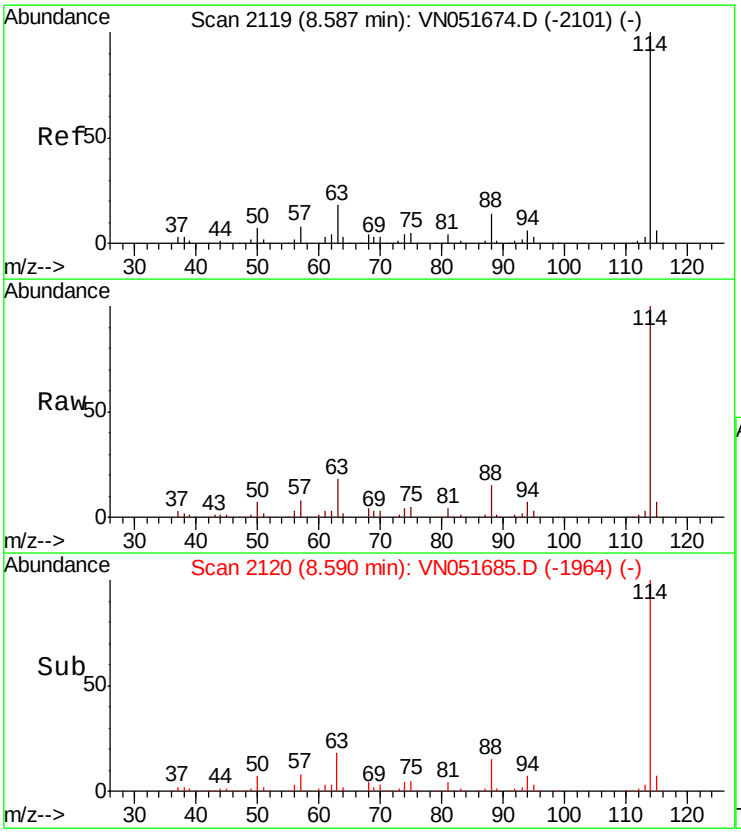

#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 65 Resp: 196908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 41.8 | 62.8 |

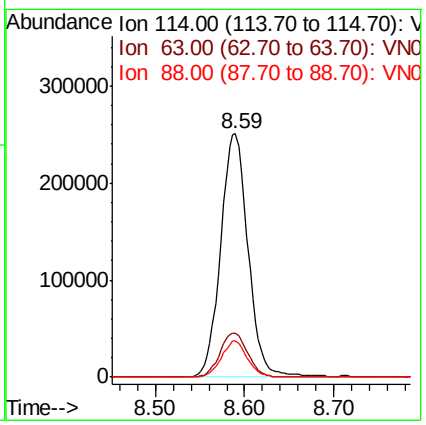


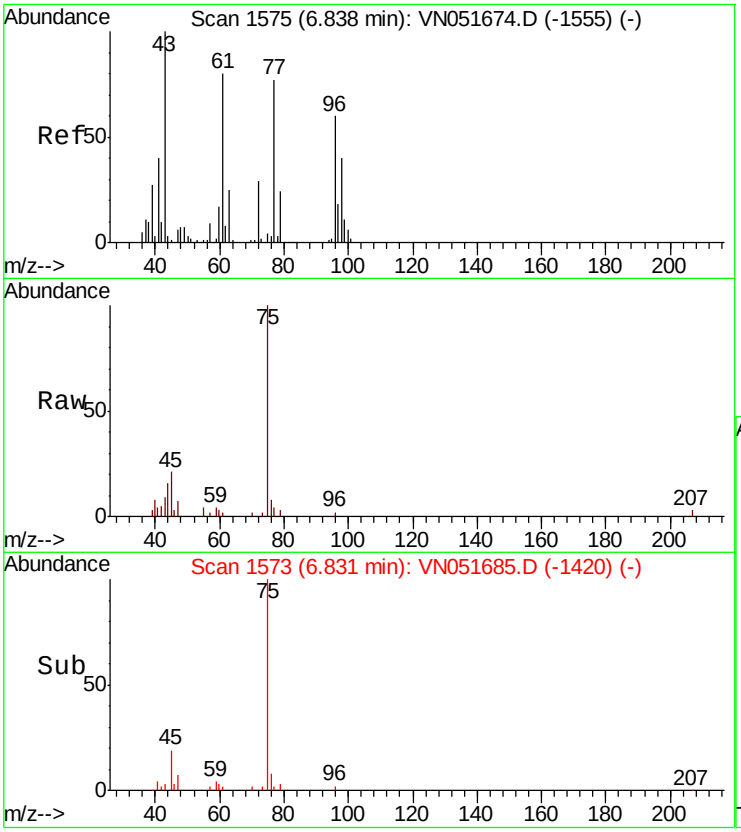




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion:114 Resp: 535093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.3 | 16.2 | 24.2 |
| 88 | 14.0 | 12.2 | 18.4 |



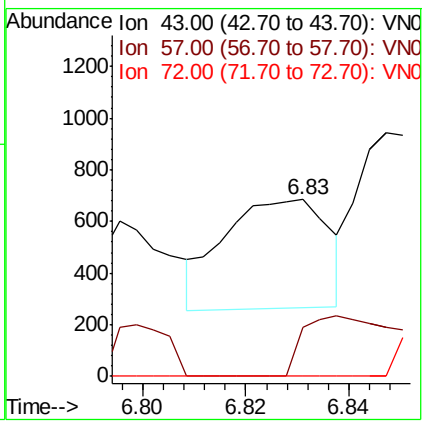


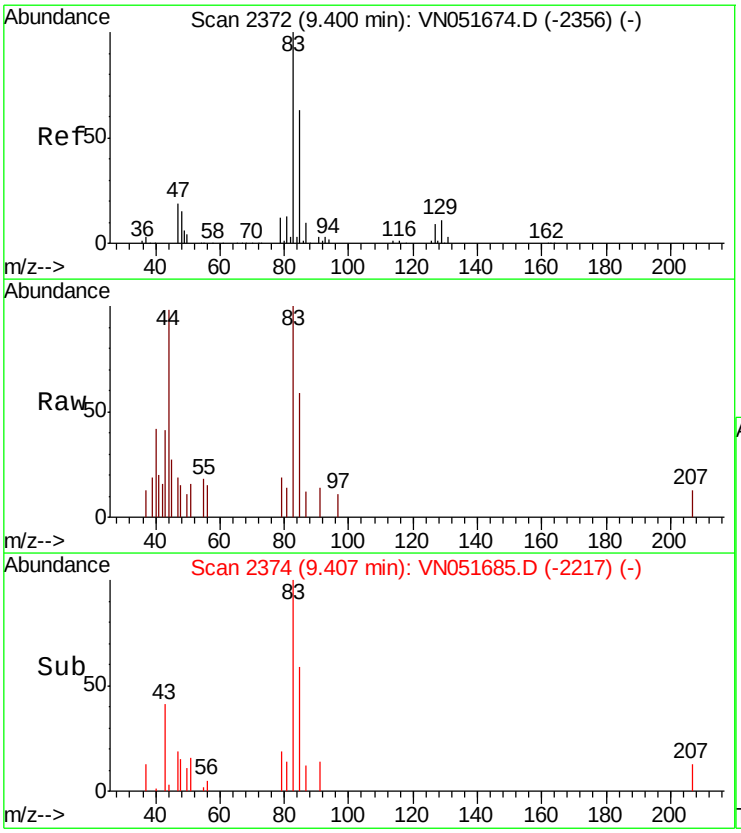

#30
2-Butanone
Concen: 0.342 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 43 Resp: 593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 46.9 | 4.5 | 6.7# |
| 72 | 0.0 | 21.5 | 32.3# |

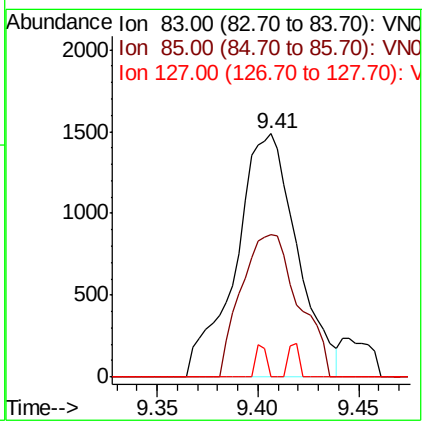


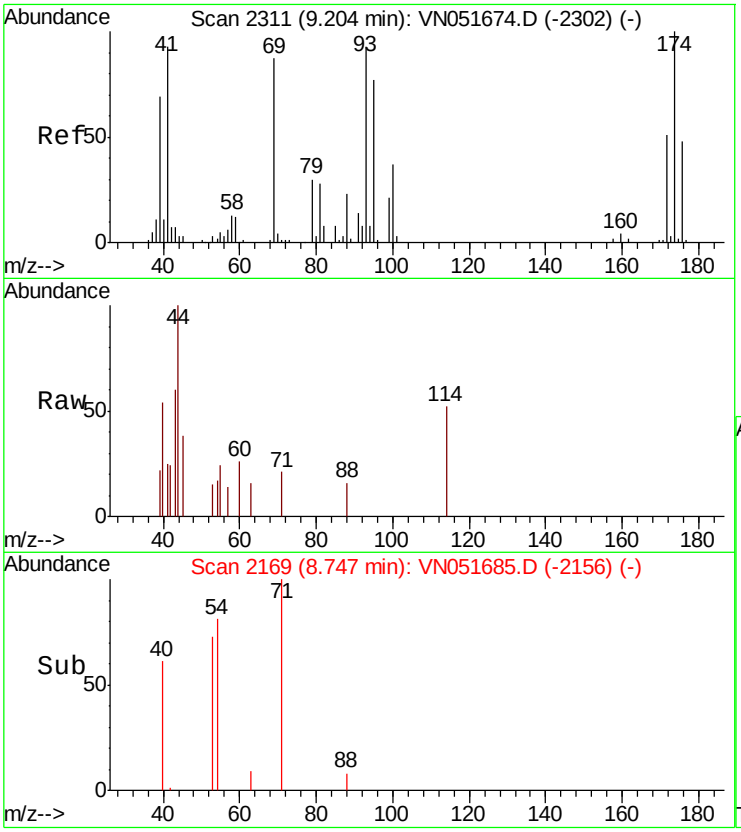




#41
Bromodichloromethane
Concen: 0.389 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 83 Resp: 3164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.6 | 55.7 | 83.5 |
| 127 | 0.0 | 8.2 | 12.4# |



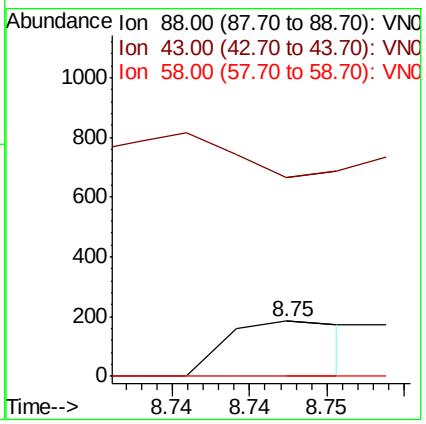


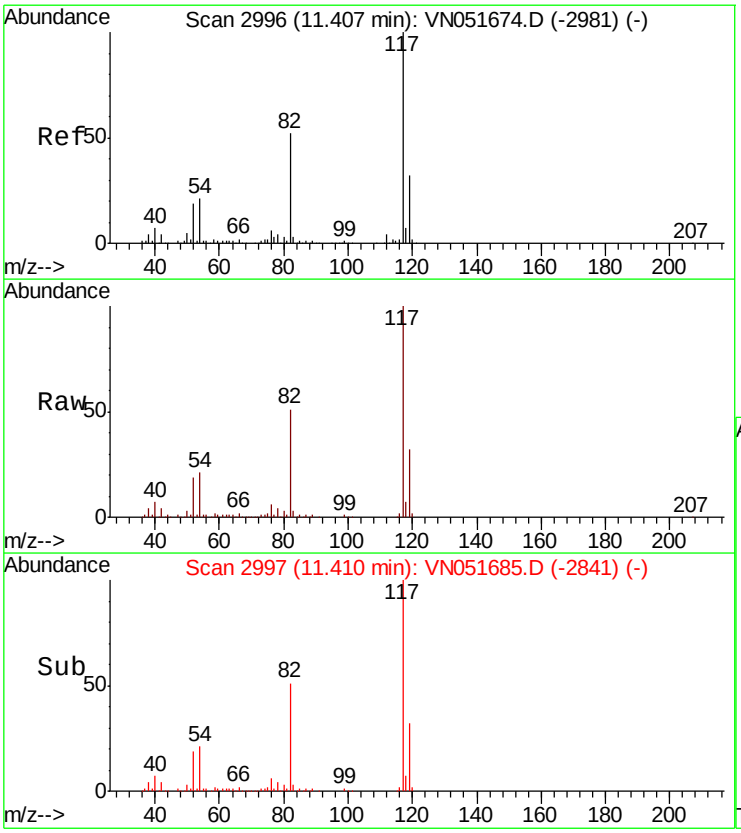

#45
1,4-Dioxane
Concen: 1.964 ug/l
RT: 8.75 min Scan# 2169
Delta R.T. -0.46 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 88 Resp: 100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 180.0 | 26.2 | 39.2# |
| 58 | 0.0 | 65.6 | 98.4# |

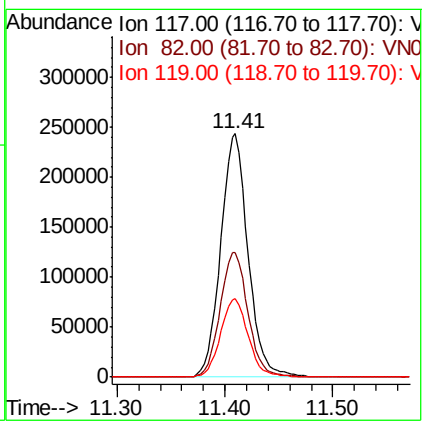


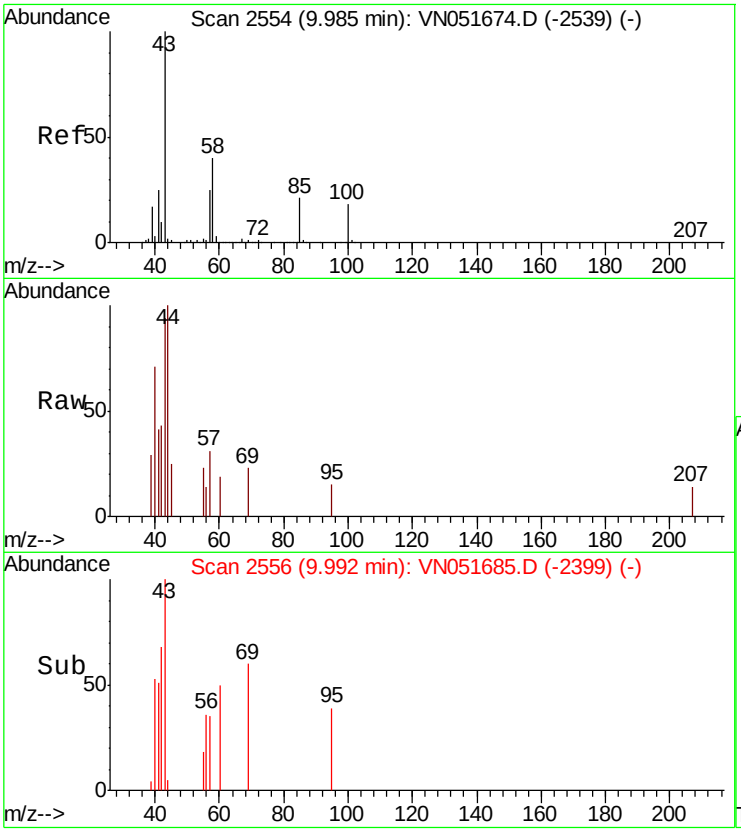




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion:117 Resp: 429712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.3 | 44.1 | 66.1 |
| 119 | 32.7 | 25.8 | 38.8 |



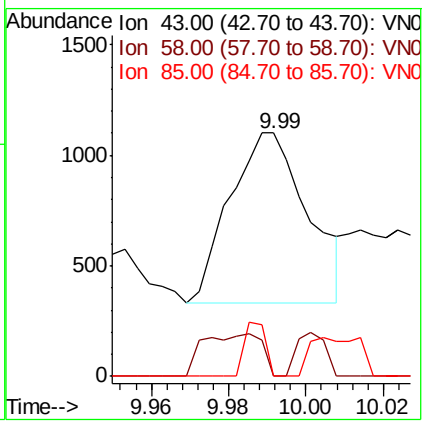


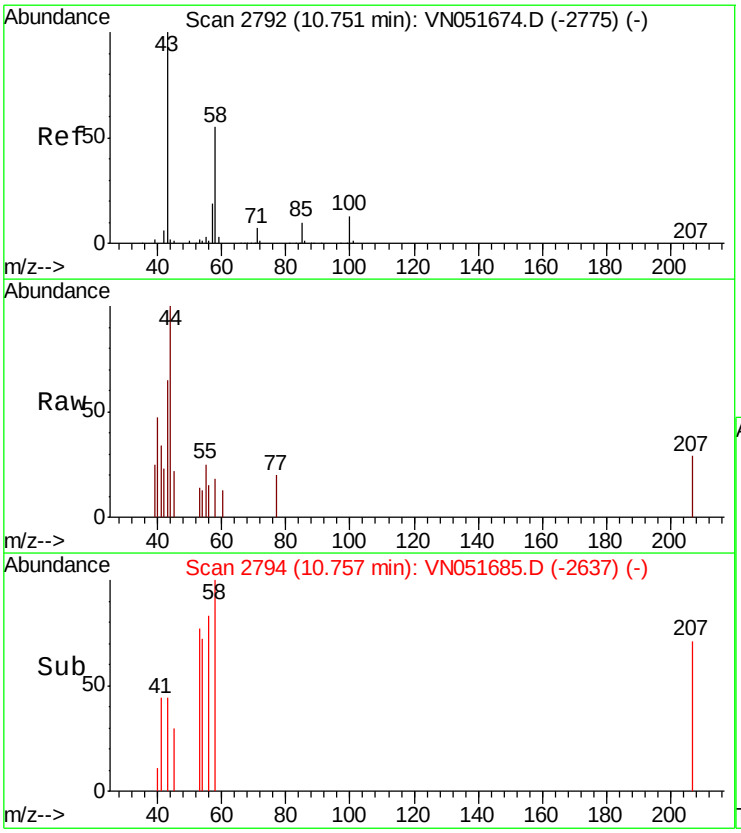

#58
4-Methyl-2-Pentanone
Concen: 0.304 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 43 Resp: 1071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.8 | 29.3 | 43.9# |
| 85 | 8.6 | 12.6 | 18.8# |

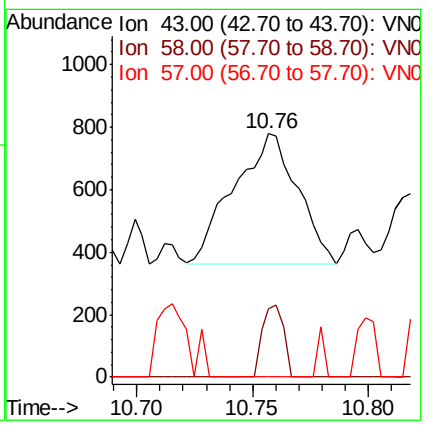


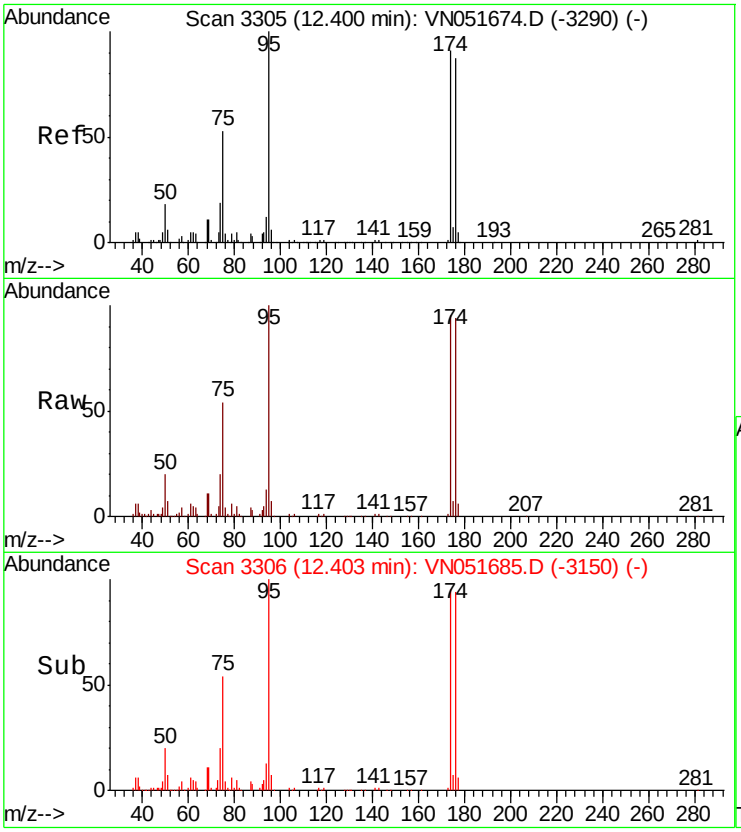




#59
2-Hexanone
Concen: 0.333 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 43 Resp: 795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.6 | 41.3 | 61.9# |
| 57 | 3.6 | 13.4 | 20.0# |



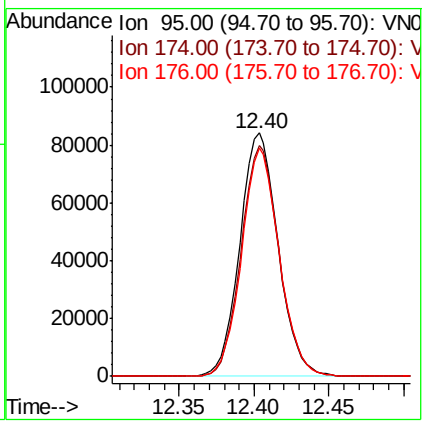


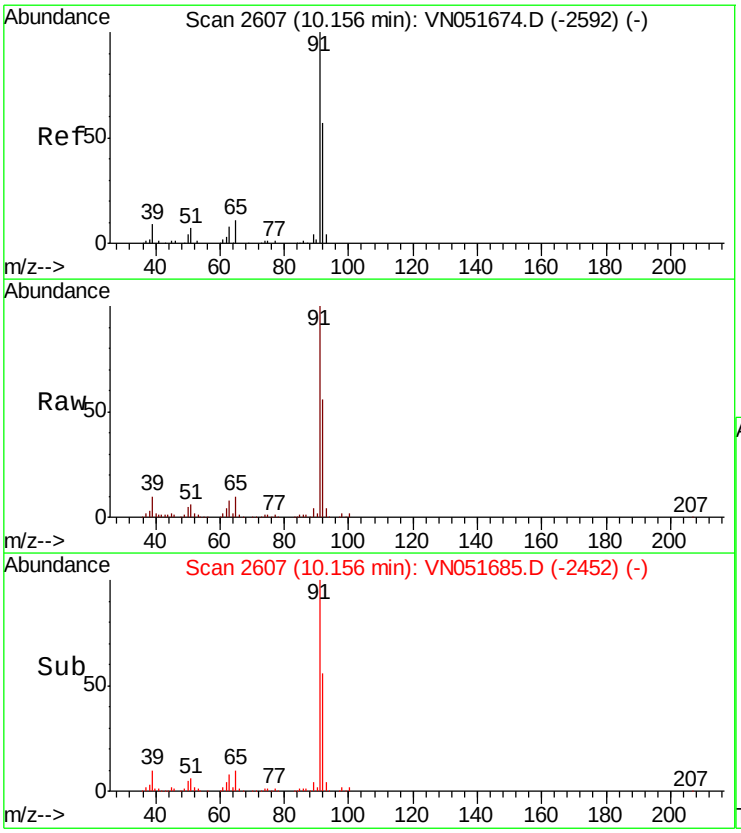

#60
4-Bromofluorobenzene
Concen: 0.333 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 95 Resp: 150288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.5 | 73.5 | 110.3 |
| 176 | 91.6 | 70.2 | 105.2 |

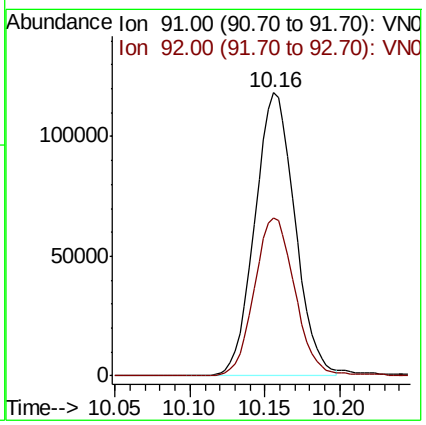


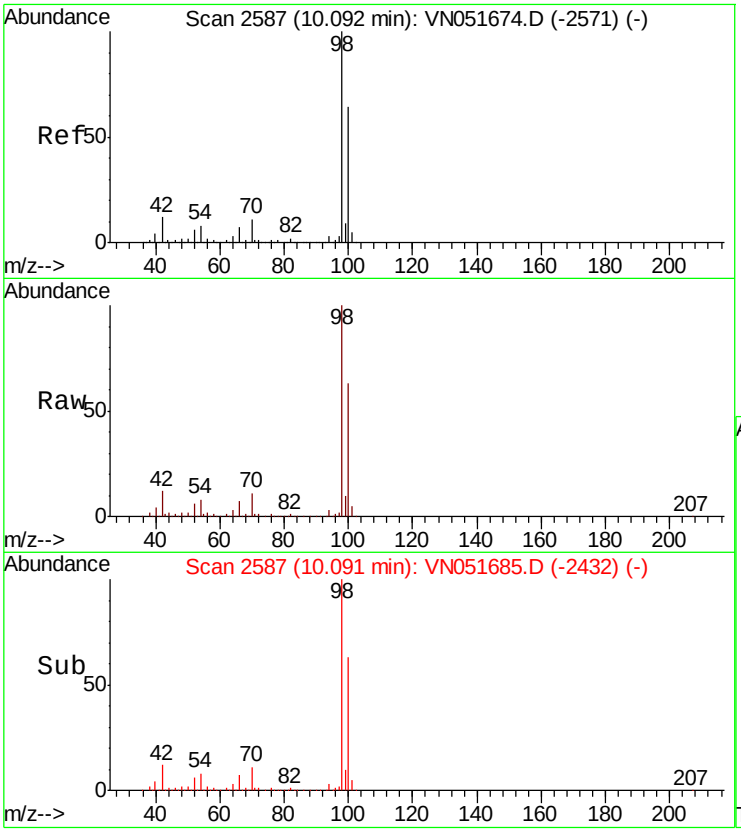




#62
Toluene
Concen: 10.132 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 91 Resp: 220539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.2 | 44.6 | 66.8 |



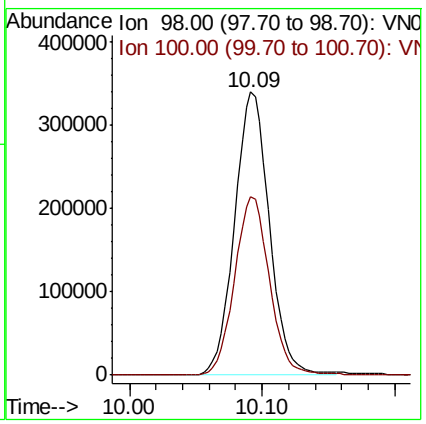


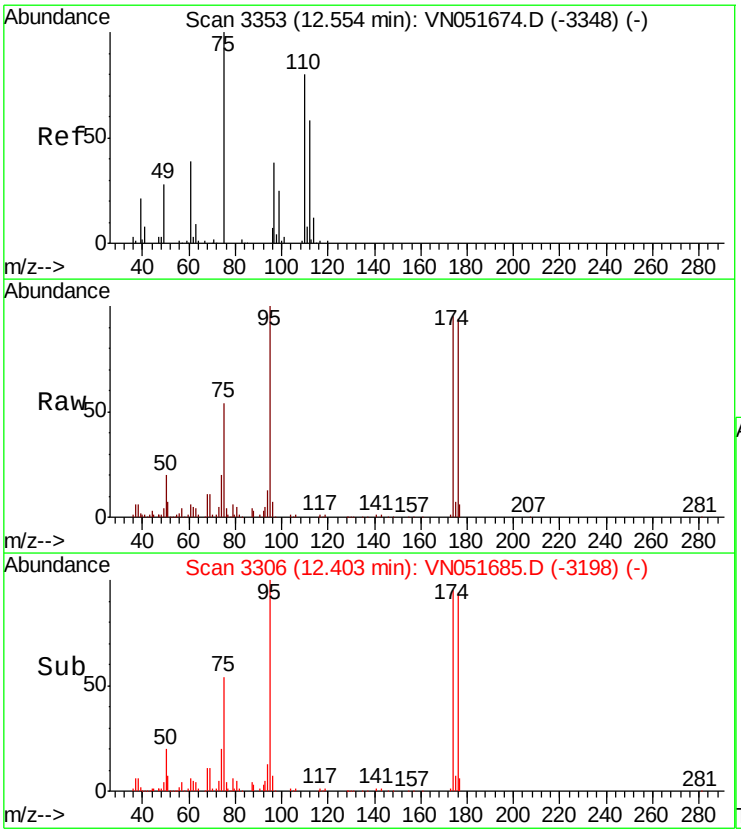

#63
Toluene-d8
Concen: 10.132 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 98 Resp: 619197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.4 | 50.8 | 76.2 |

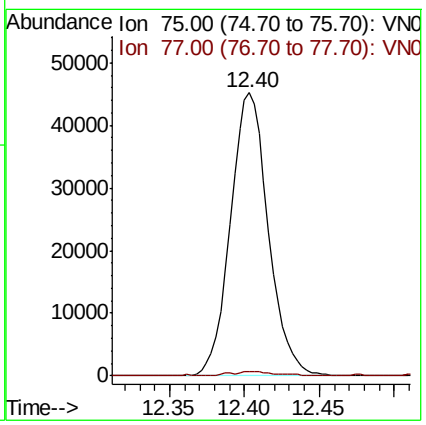


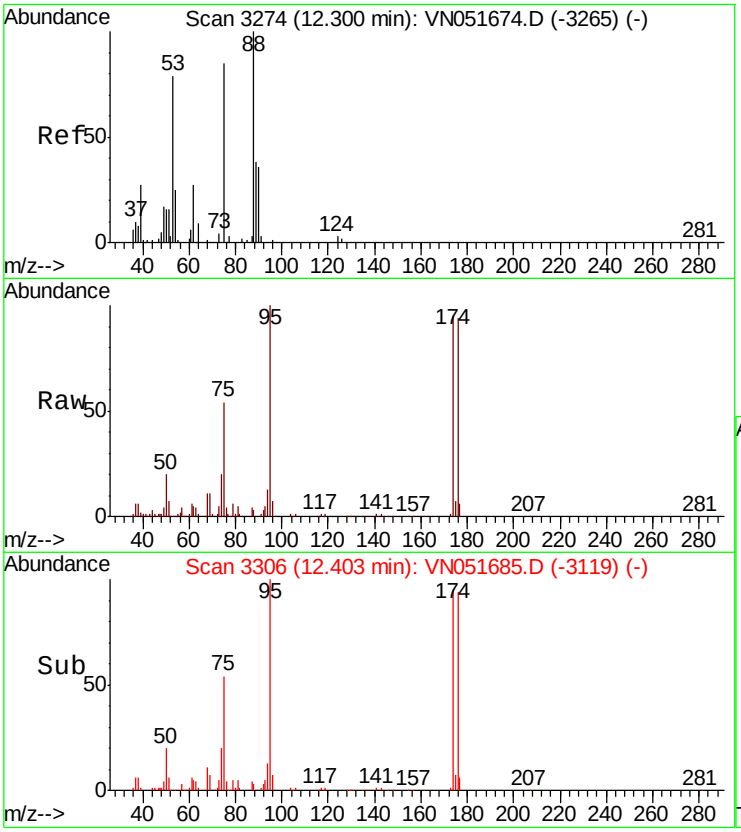




#72
1,2,3-Trichloropropane
Concen: 18.362 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion: 75 Resp: 79398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 0.0 | 400.0 |



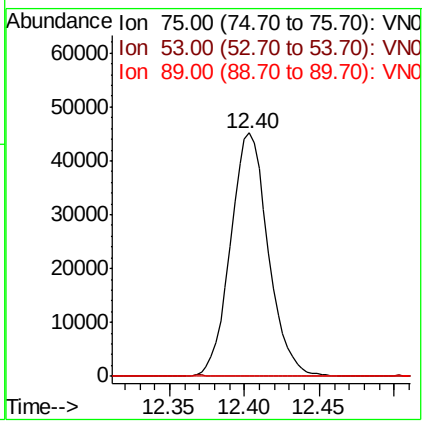


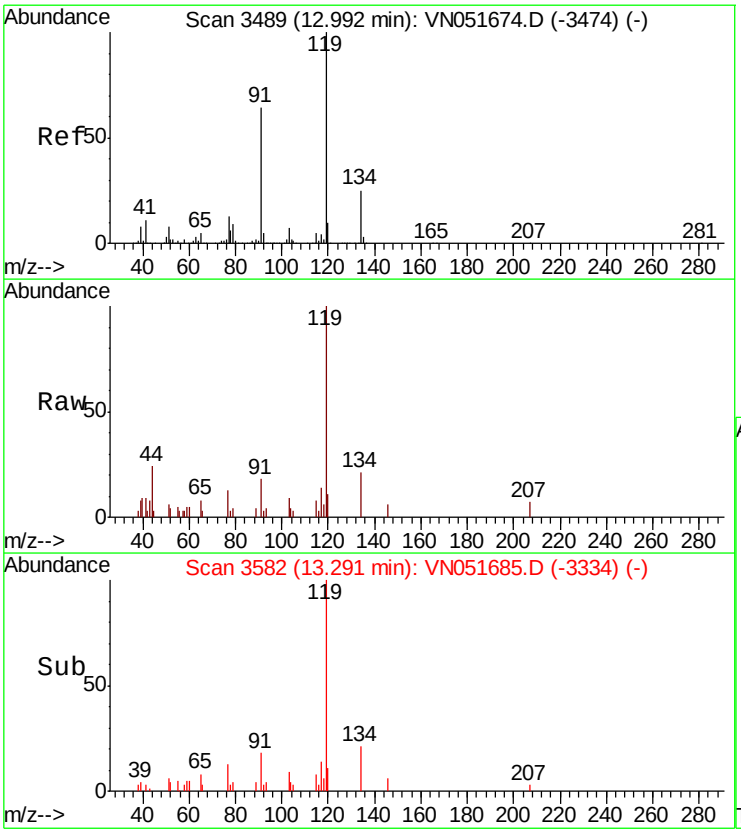

#77
t-1,4-Dichloro-2-butene
Concen: 49.248 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion: 75 Resp: 79398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 46.3 | 138.9# |
| 89 | 0.0 | 24.6 | 73.8# |

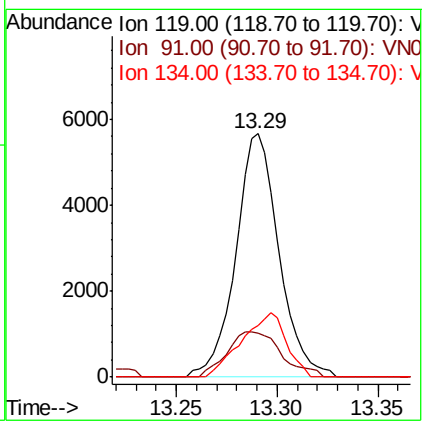


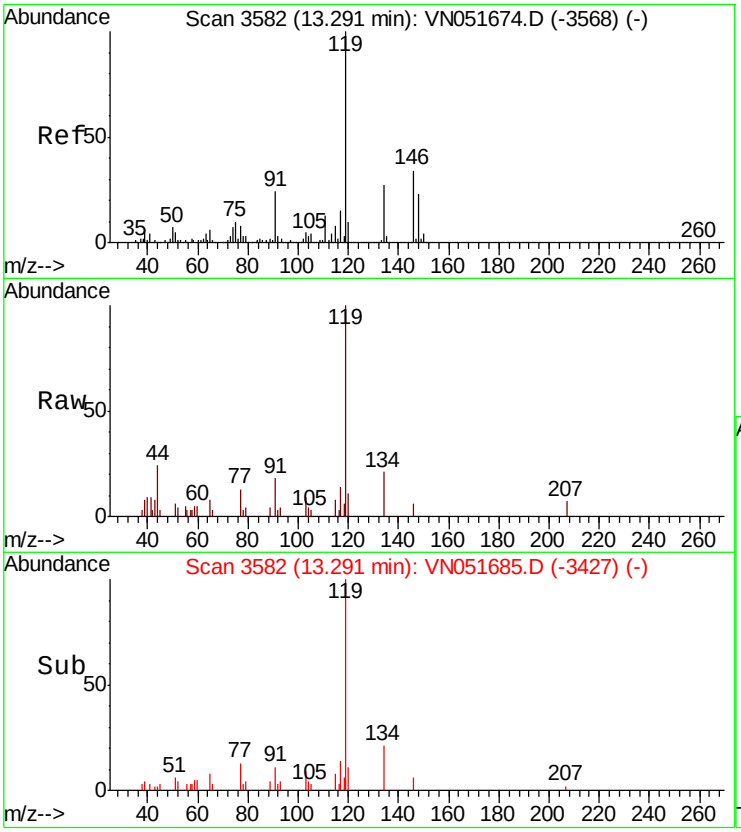




#79
tert-butylbenzene
Concen: 0.429 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion:119 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 23.3 | 0.0 | 131.6 |
| 134 | 27.3 | 0.0 | 46.2 |



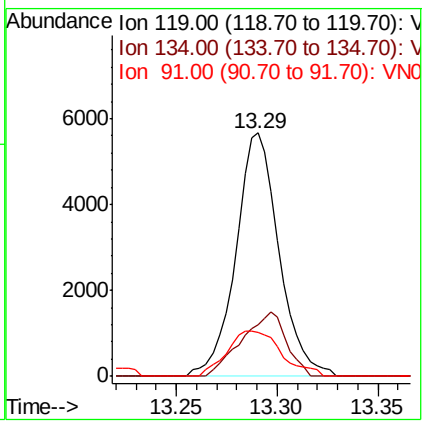


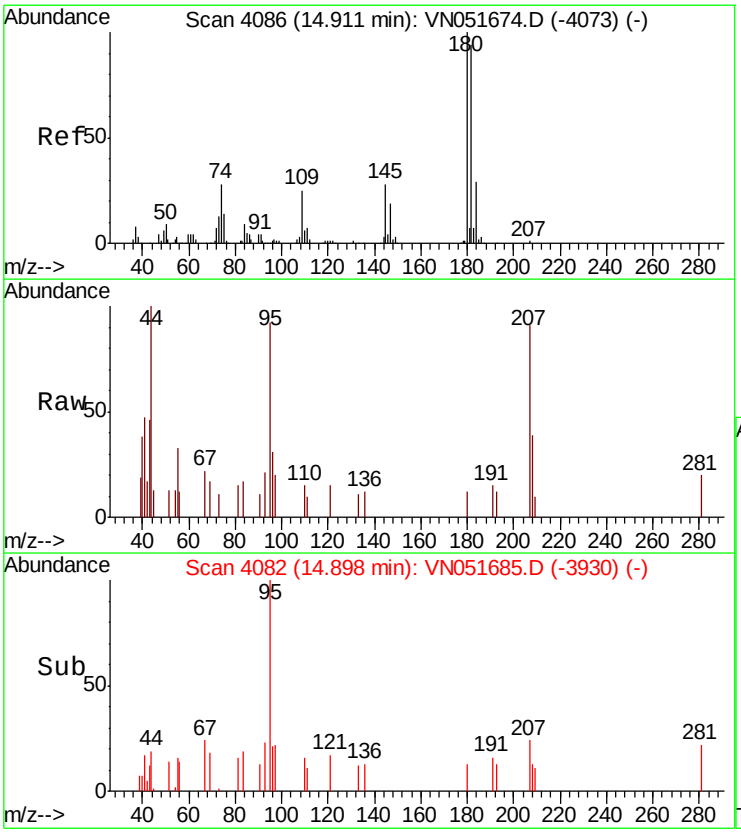

#82
p-Isopropyltoluene
Concen: 0.364 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

**Instrument :**
MSVOA_N
**ClientSampleId :**
002M-35TH-AVE(AUG)

Tgt Ion:119 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.3 | 0.0 | 53.6 |
| 91 | 23.3 | 0.0 | 52.0 |




#89
1,2,4-Trichlorobenzene
Concen: 6.842 ug/l
RT: 14.90 min Scan# 4082
Delta R.T. -0.01 min
Lab File: VN051685.D
Acq: 5 Oct 2018 14:27

Tgt Ion:180 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 486.1 | 77.7 | 116.5# |
| 145 | 0.0 | 23.4 | 35.2# |