Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055823.D
Acq On : 25 May 2019 3:24
Operator : JC/SP
Sample : K3037-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW2-R1-3

Quant Time: May 25 04:34:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.66 | 168 | 429084 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.58 | 114 | 597219 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 535951 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 181326 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 194169 | 43.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 87.64% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 179453 | 47.53 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.06% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 706009 | 48.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.50% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 222292 | 44.76 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.52% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.74 | 59 | 3182 | 3.758 | ug/l # | 74 |
| 13) Acrolein | 3.60 | 56 | 135 | 0.223 | ug/l # | 70 |
| 16) Acetone | 3.82 | 43 | 11084 | 5.690 | ug/l | 99 |
| 18) Methyl Acetate | 4.33 | 43 | 3006 | Below Cal | # | 76 |
| 25) 2-Butanone | 6.85 | 43 | 827 | 0.304 | ug/l # | 47 |
| 31) Cyclohexane | 7.66 | 56 | 6242 | 0.938 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.66 | 75 | 23940 | 4.600 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 7.66 | 117 | 33833 | 6.241 | ug/l # | 14 |
| 43) Isopropyl Acetate | 8.30 | 43 | 4160 | 0.492 | ug/l # | 53 |
| 71) Bromoform | 12.40 | 173 | 1389 | 0.381 | ug/l # | 1 |
| 73) Isopropylbenzene | 12.24 | 105 | 237 | Below Cal | # | 48 |
| 74) N-amyl acetate | 12.04 | 43 | 432 | Below Cal | # | 43 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 103282 | 31.942 | ug/l # | 100 |
| 79) 2-Chlorotoluene | 12.59 | 91 | 526 | Below Cal | # | 39 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 204 | Below Cal | # | 28 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 103282 | 76.638 | ug/l # | 15 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 585 | Below Cal | | 84 |
| 85) sec-Butylbenzene | 13.17 | 105 | 303 | Below Cal | # | 55 |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 349 | 3.729 | ug/l # | 78 |

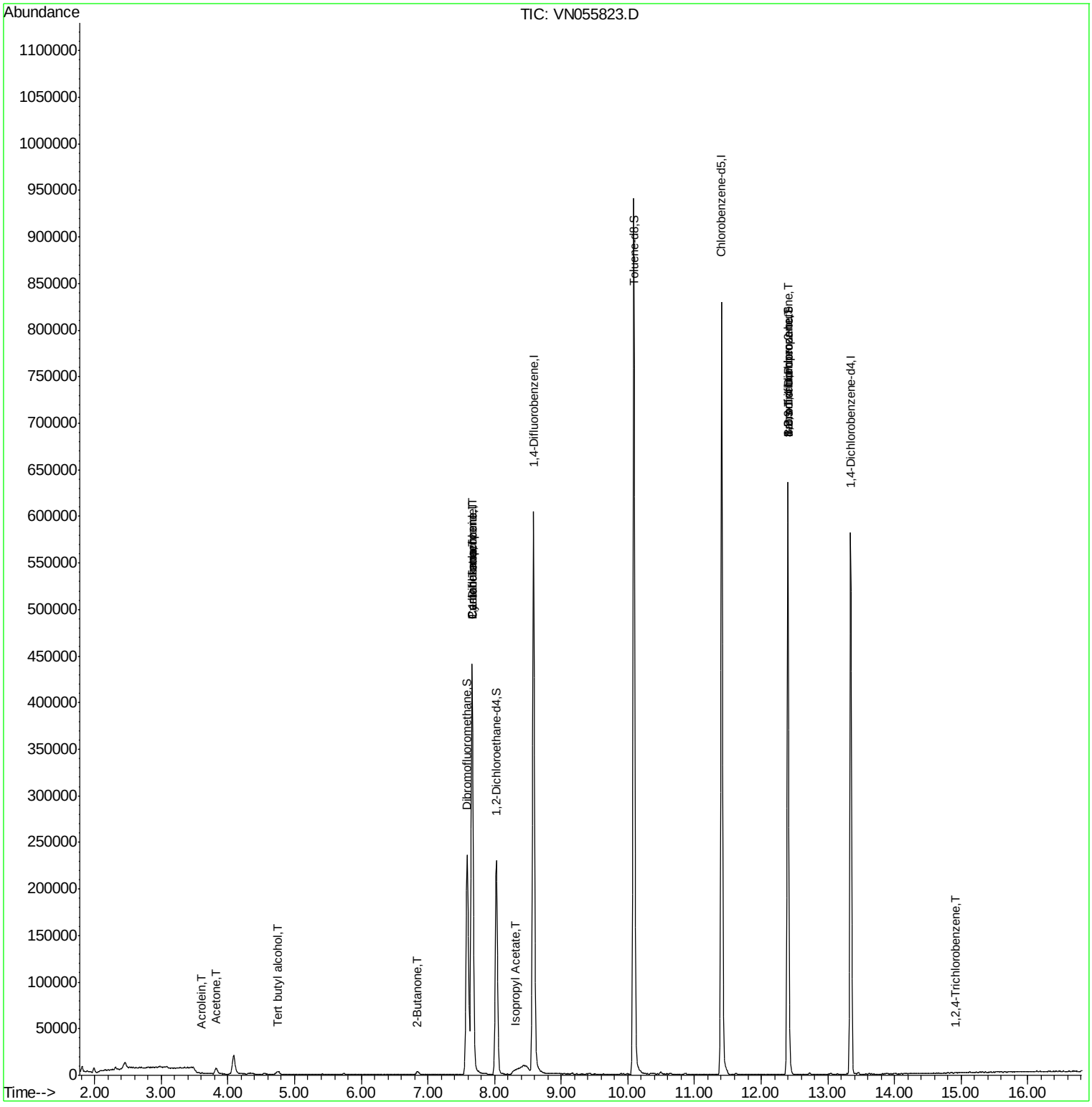
(#) = qualifier out of range (m) = manual integration (+) = signals summed

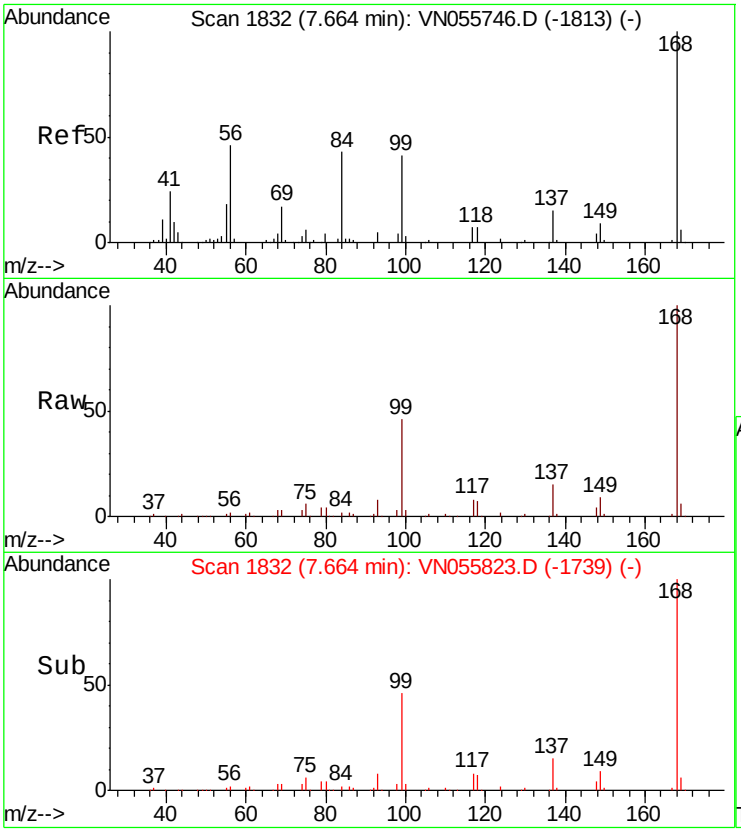
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055823.D
Acq On : 25 May 2019 3:24
Operator : JC/SP
Sample : K3037-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW2-R1-3

Quant Time: May 25 04:34:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration



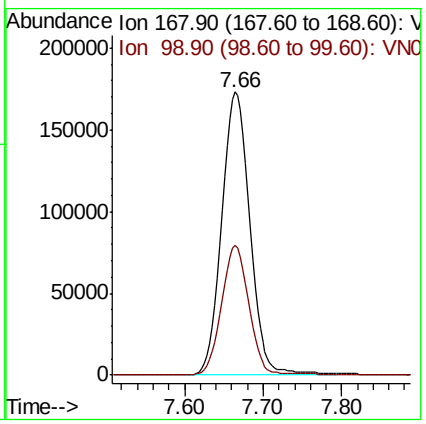


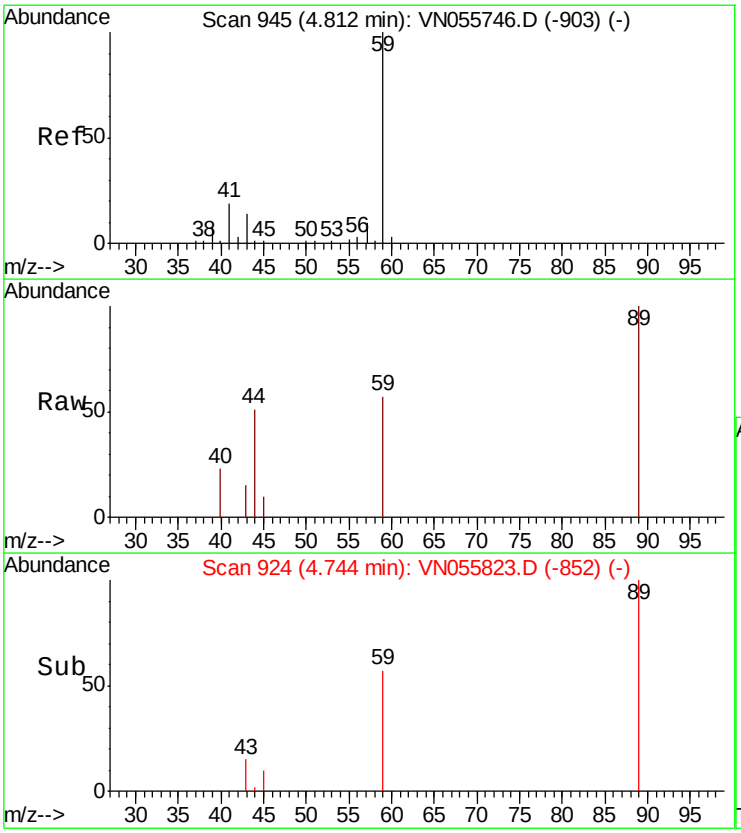

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:168 Resp: 429084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 46.0 | 37.2 | 55.8 |

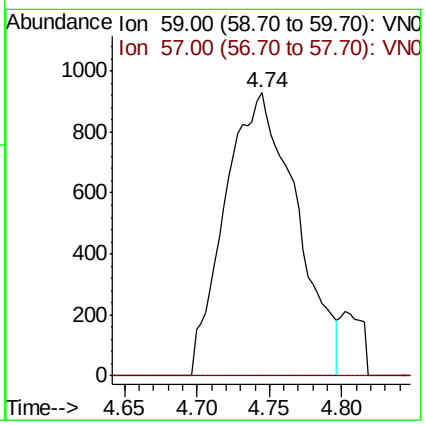


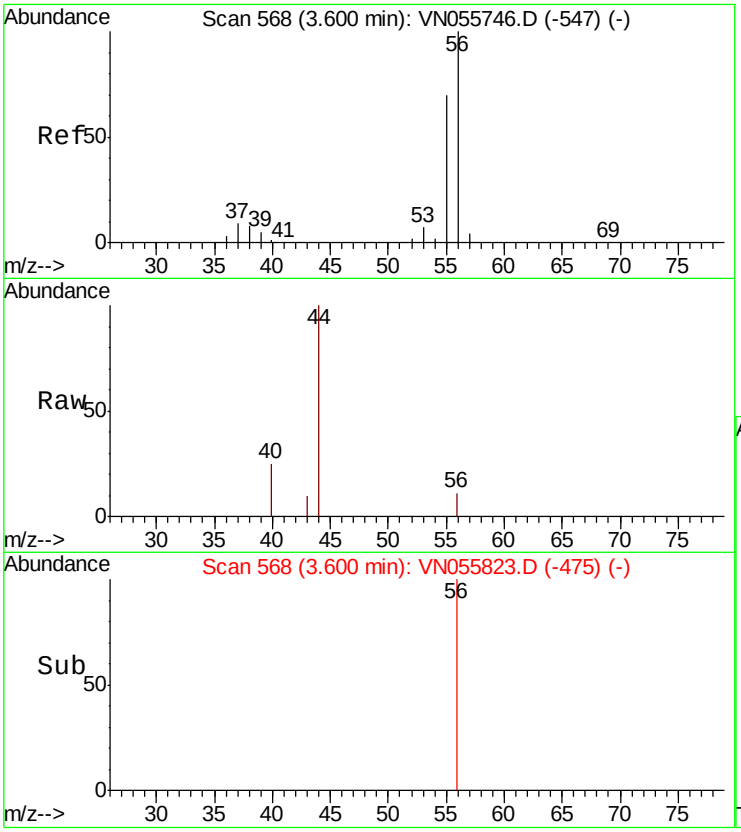




#11
Tert butyl alcohol
Concen: 3.758 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.07 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 59 Resp: 3182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.6# |



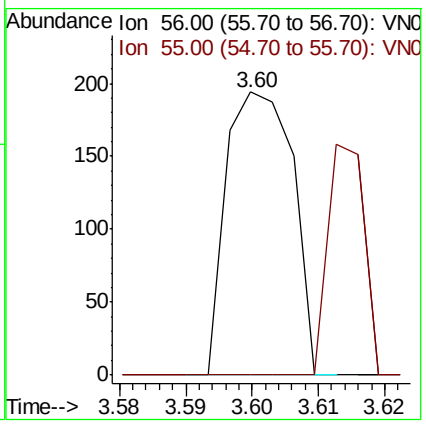


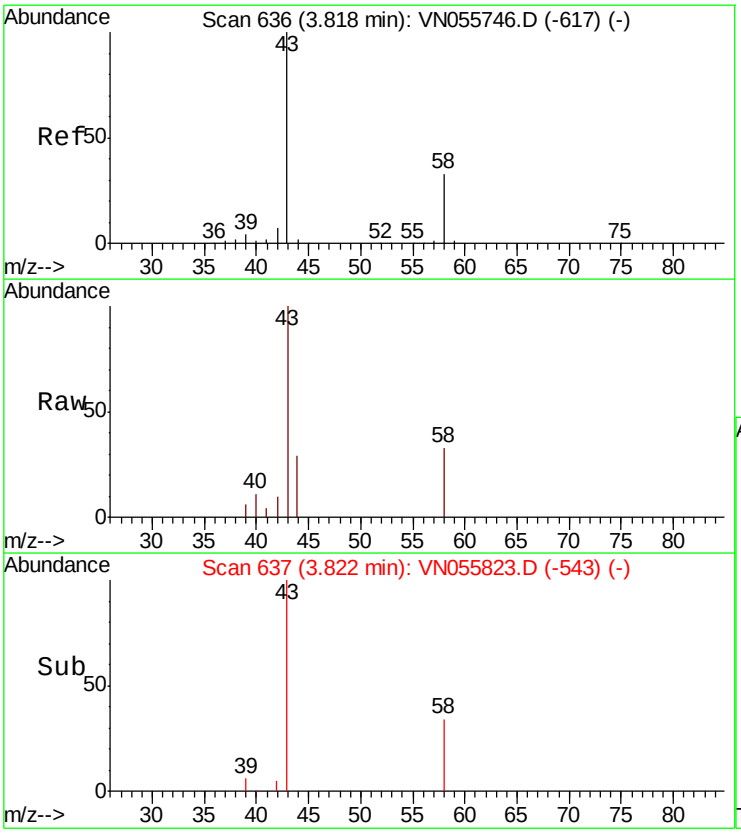

#13
Acrolein
Concen: 0.223 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion: 56 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 44.4 | 55.4 | 83.2# |

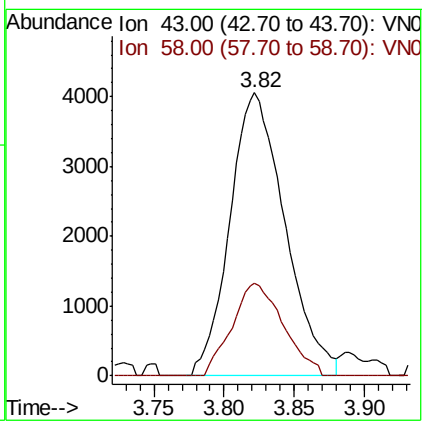


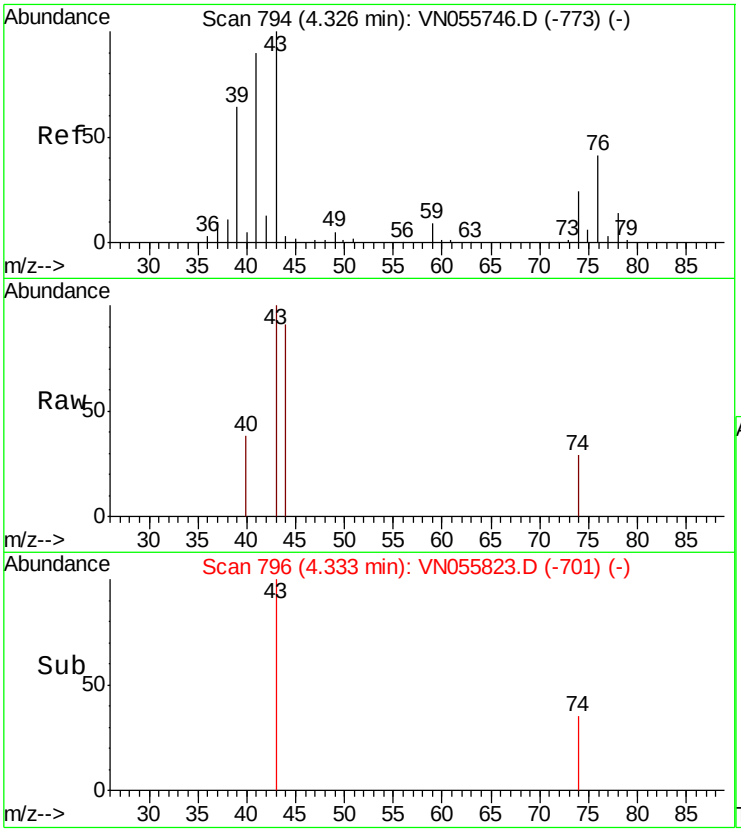




#16
Acetone
Concen: 5.690 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 43 Resp: 11084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.7 | 26.6 | 39.8 |



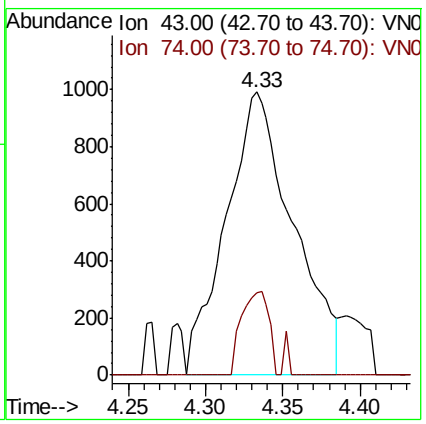


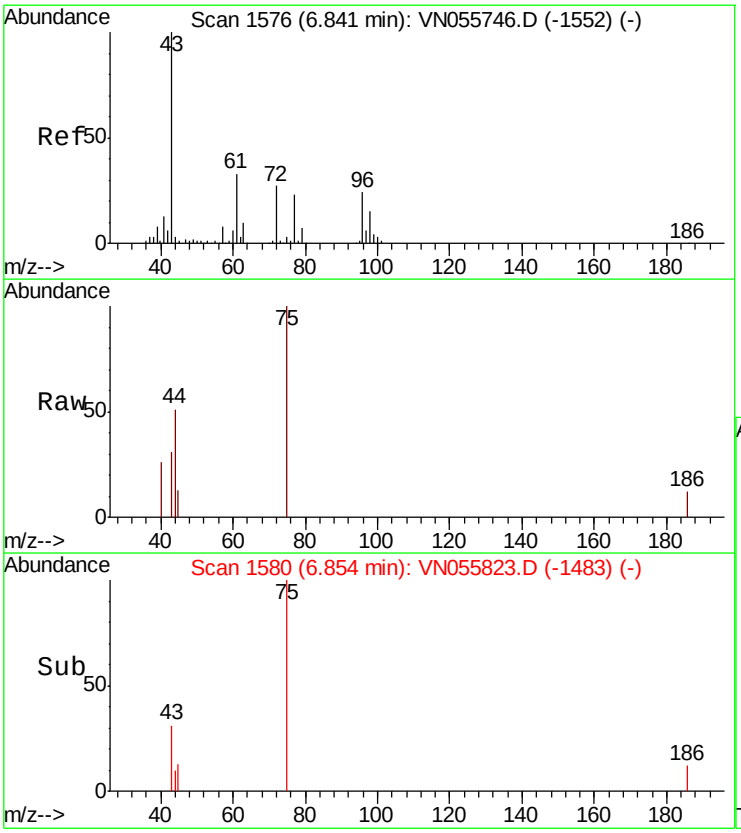

#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :** MSVOA_N
**ClientSampleId :** MW2-R1-3

Tgt Ion: 43 Resp: 3006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 12.0 | 19.3 | 28.9# |

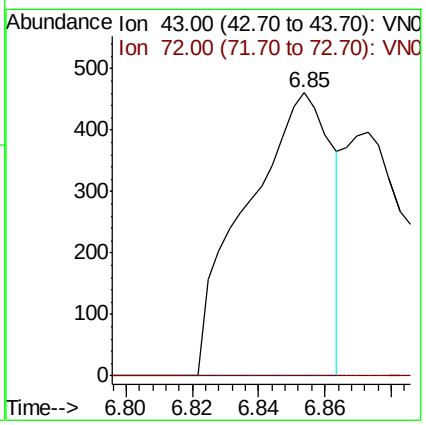


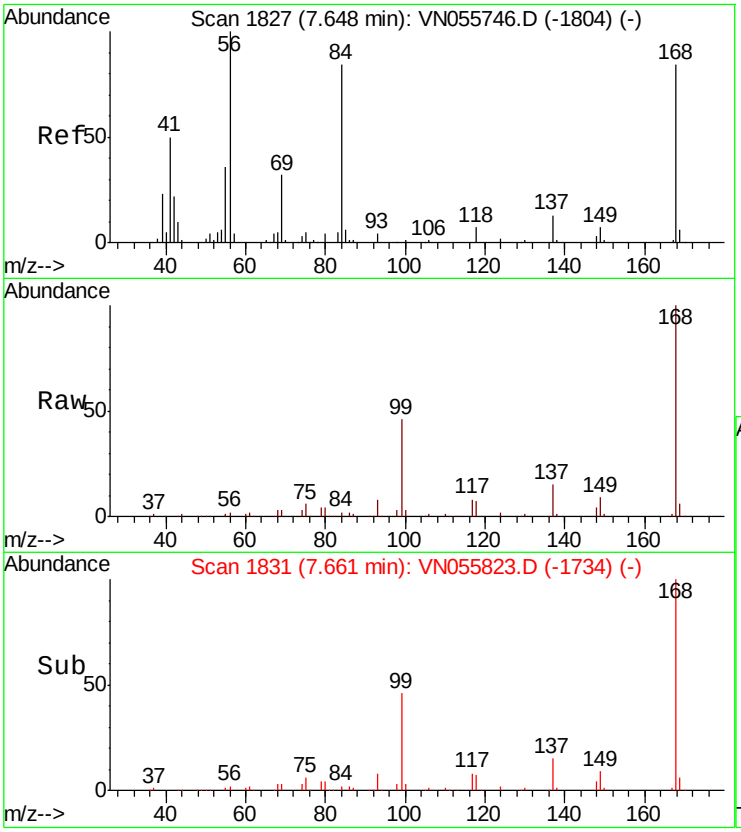




#25
2-Butanone
Concen: 0.304 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 43 Resp: 827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 21.9 | 32.9# |



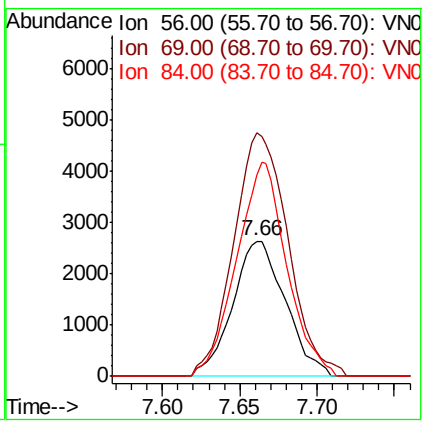


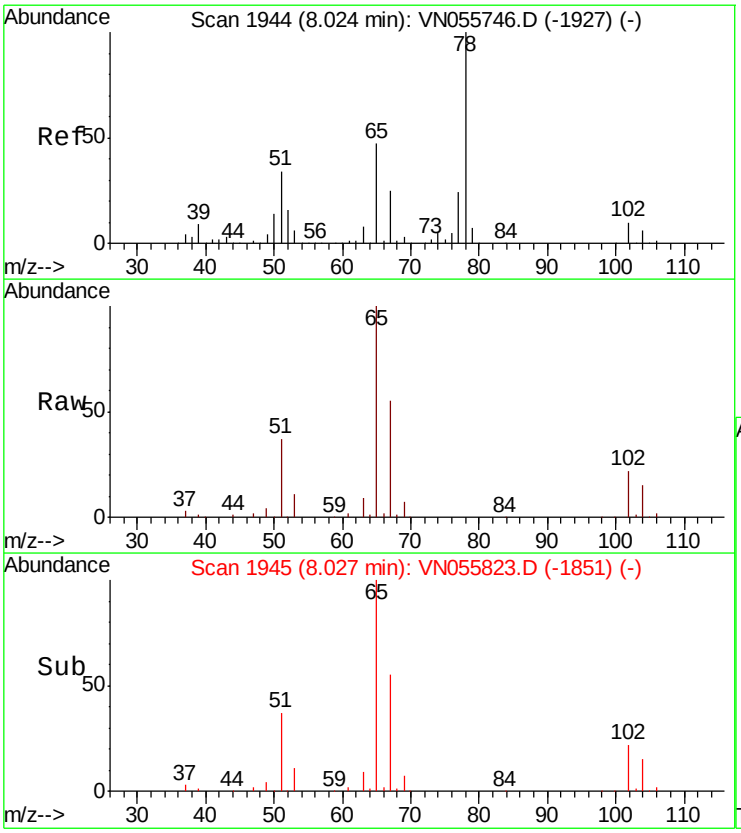

#31
Cyclohexane
Concen: 0.938 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :** MSVOA_N
**ClientSampleId :** MW2-R1-3

Tgt Ion: 56 Resp: 6242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 180.0 | 25.6 | 38.4# |
| 84 | 148.4 | 67.4 | 101.0# |

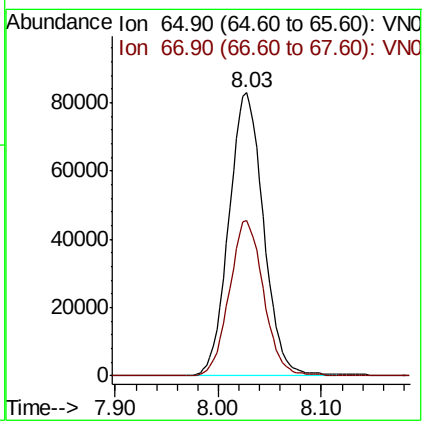


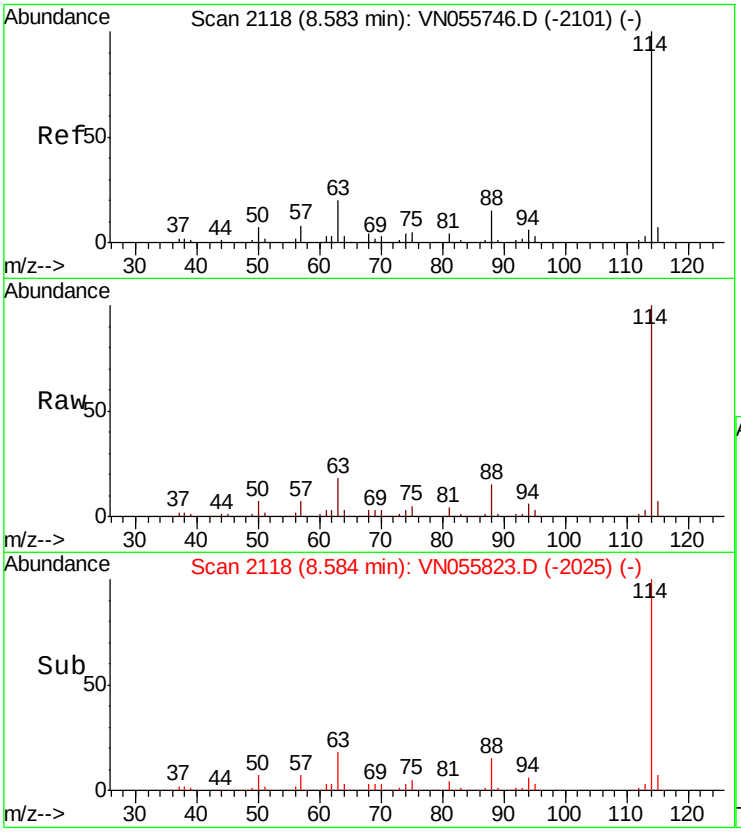




#33
1,2-Dichloroethane-d4
Concen: 43.818 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 65 Resp: 194169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.2 | 0.0 | 109.2 |



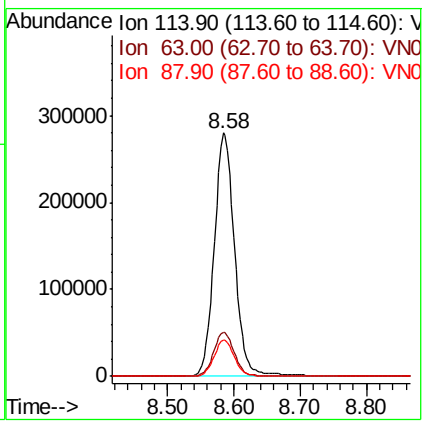


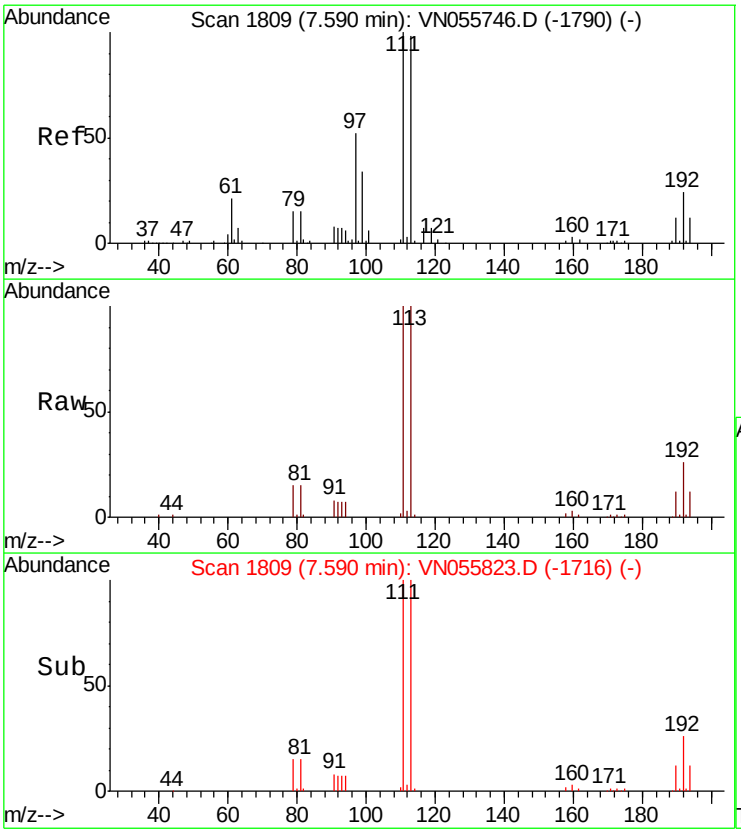

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:114 Resp: 597219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.3 | 0.0 | 39.2 |
| 88 | 14.9 | 0.0 | 31.0 |

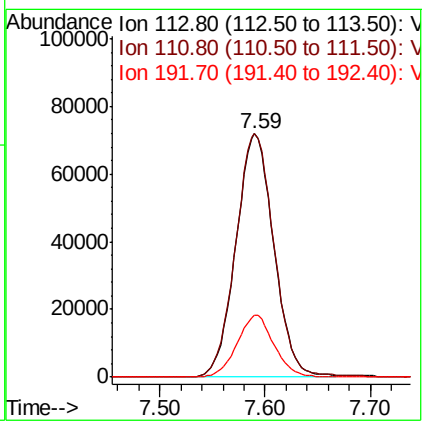


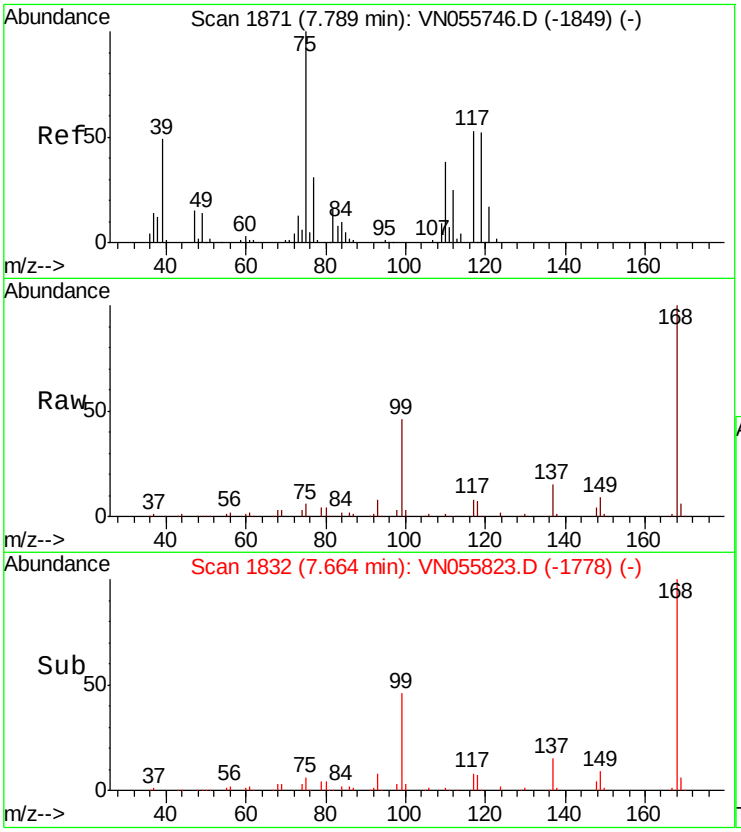




#35
Dibromofluoromethane
Concen: 47.527 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion:113 Resp: 179453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 81.9 | 122.9 |
| 192 | 24.7 | 19.5 | 29.3 |



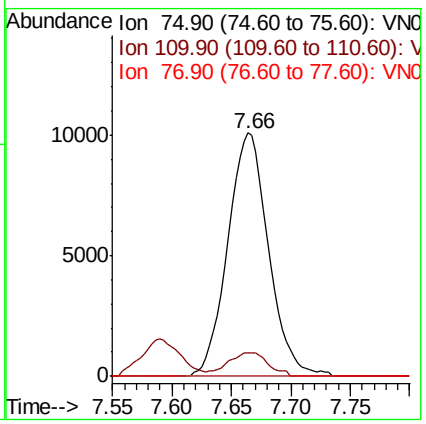


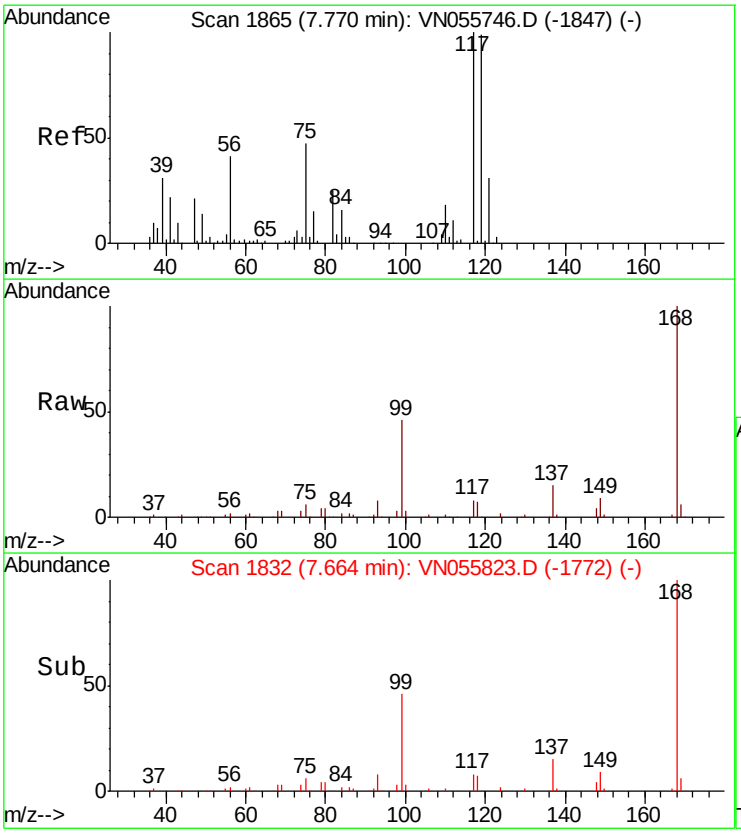

#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion: 75 Resp: 23940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.7 | 19.0 | 57.0# |
| 77 | 0.0 | 25.1 | 37.7# |

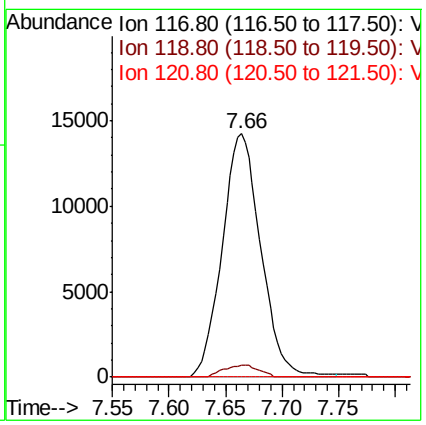


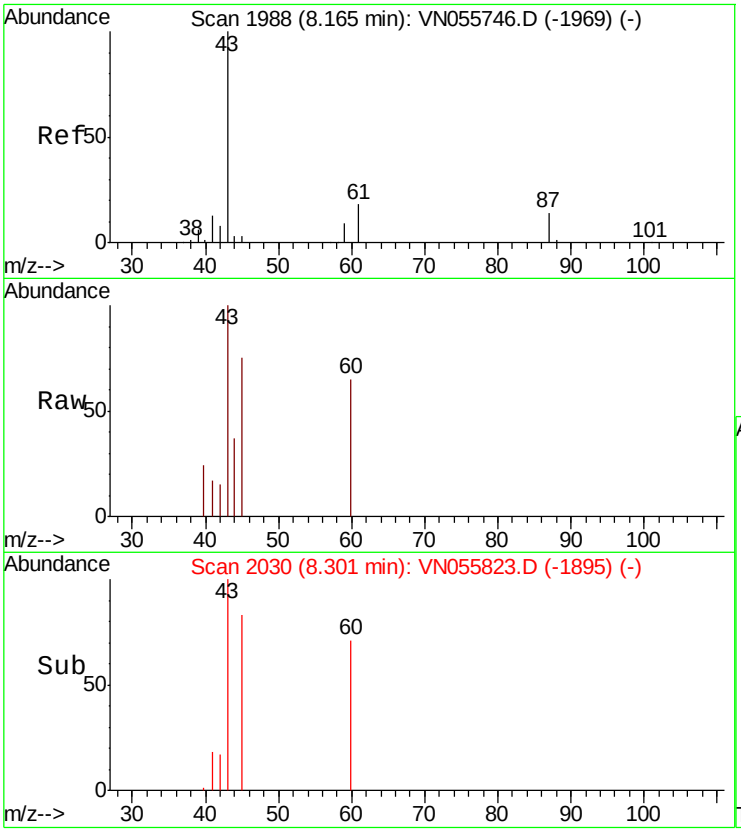




#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion:117 Resp: 33833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.7 | 79.0 | 118.6# |
| 121 | 0.0 | 24.7 | 37.1# |



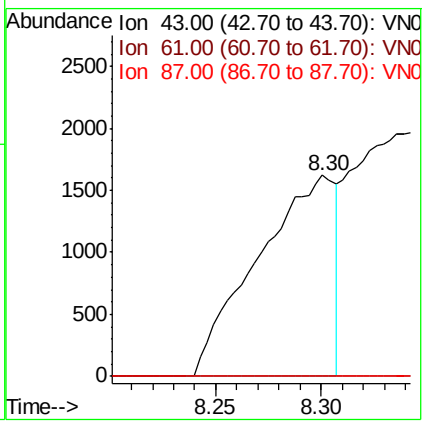


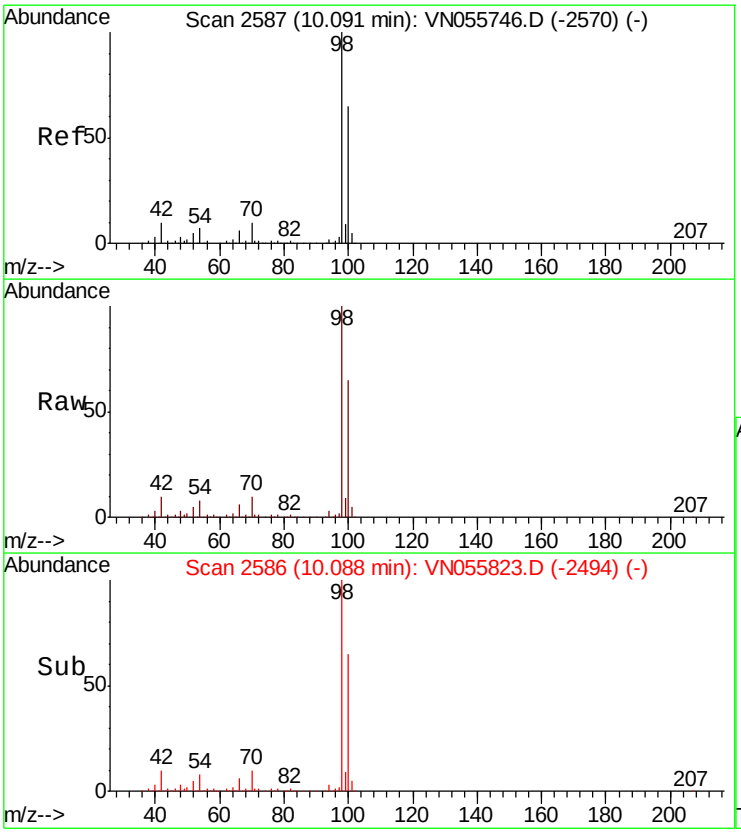

#43
Isopropyl Acetate
Concen: 0.492 ug/l
RT: 8.30 min Scan# 2030
Delta R.T. 0.14 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :** MSVOA_N
**ClientSampleId :** MW2-R1-3

Tgt Ion: 43 Resp: 4160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 22.2 | 33.4# |
| 87 | 0.0 | 11.4 | 17.2# |

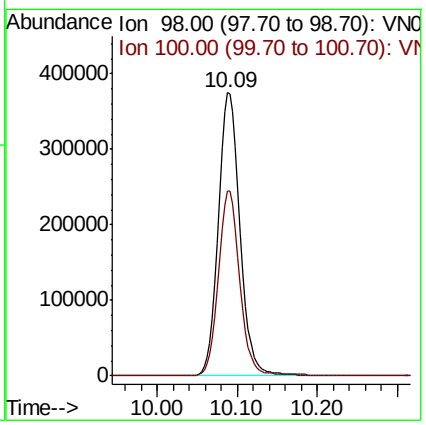


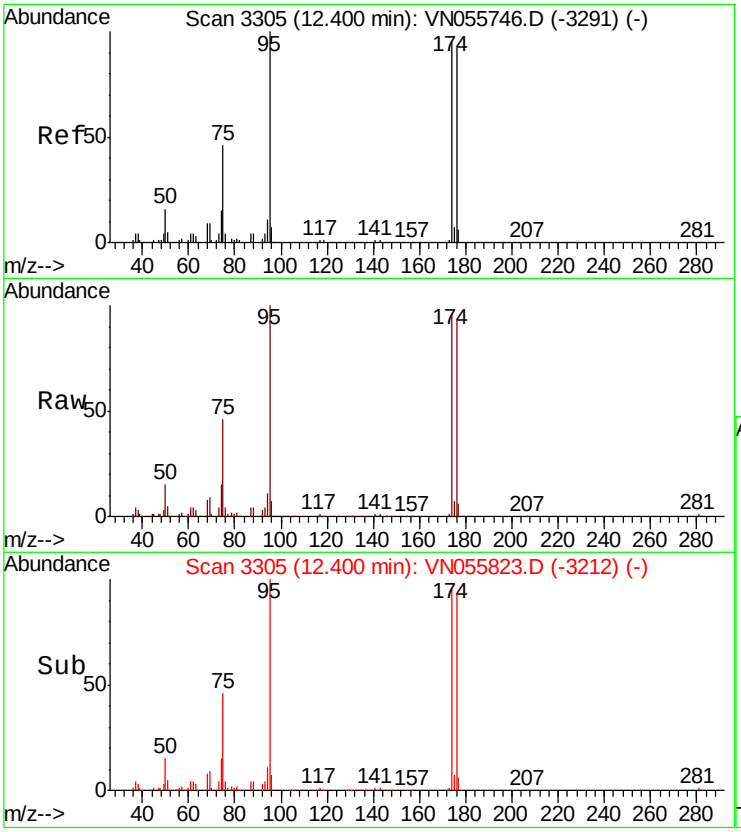




#50
Toluene-d8
Concen: 48.745 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 98 Resp: 706009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.9 | 77.9 |



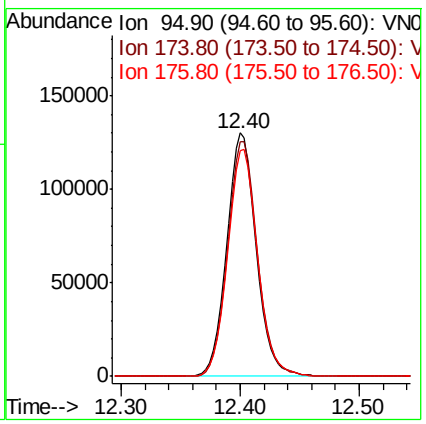


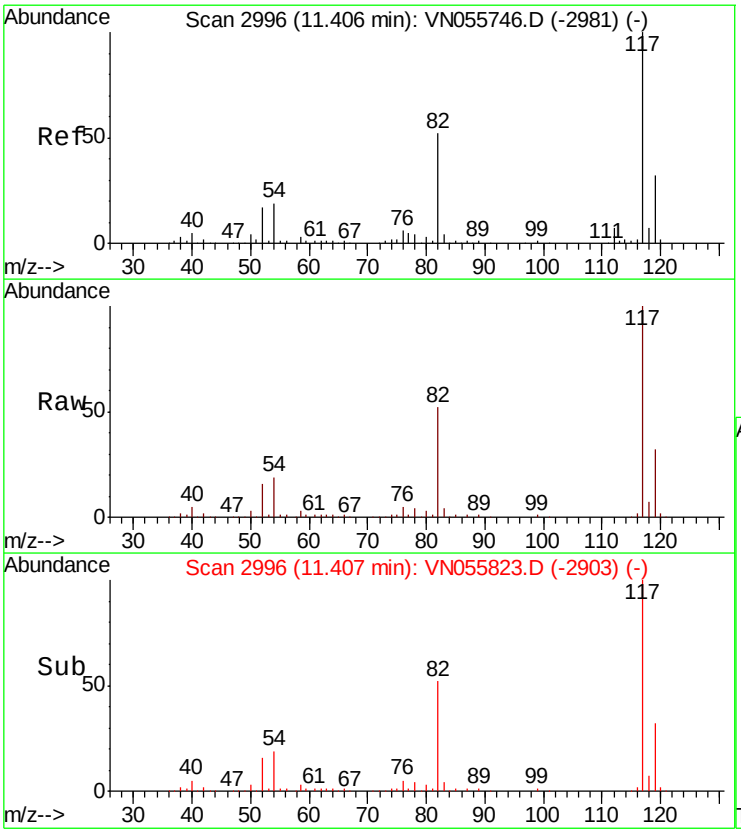

#62
4-Bromofluorobenzene
Concen: 44.760 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion: 95 Resp: 222292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.1 | 0.0 | 191.0 |
| 176 | 94.9 | 0.0 | 185.2 |

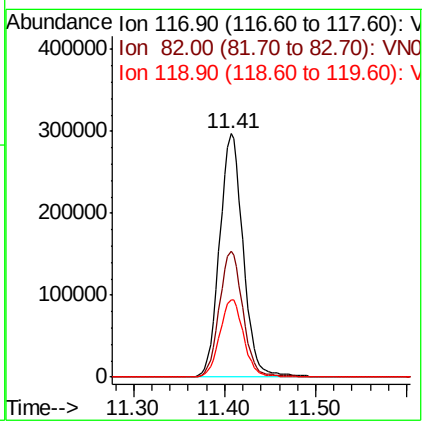


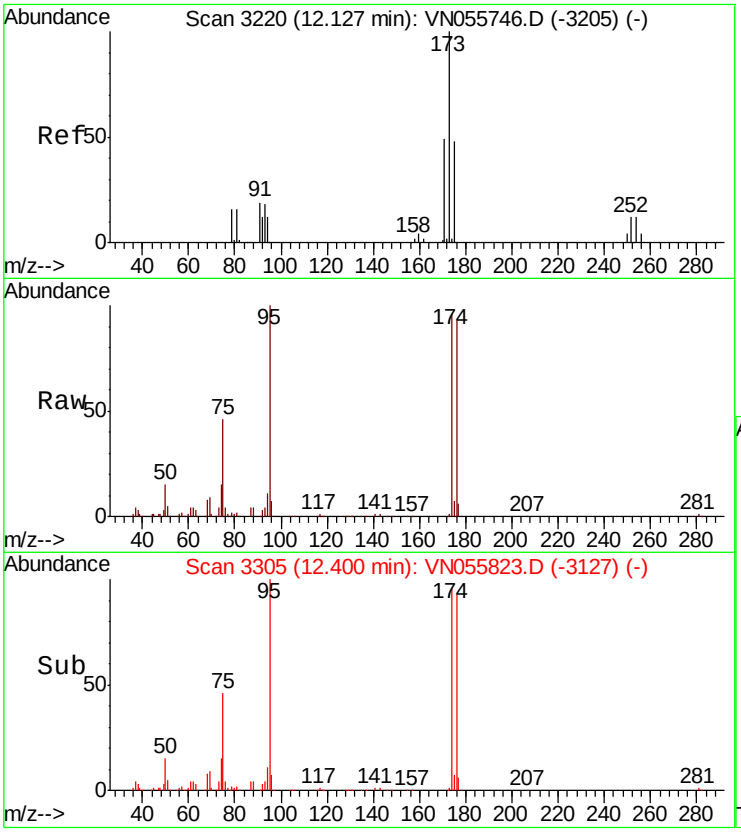




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion:117 Resp: 535951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.8 | 41.8 | 62.8 |
| 119 | 31.9 | 25.4 | 38.0 |



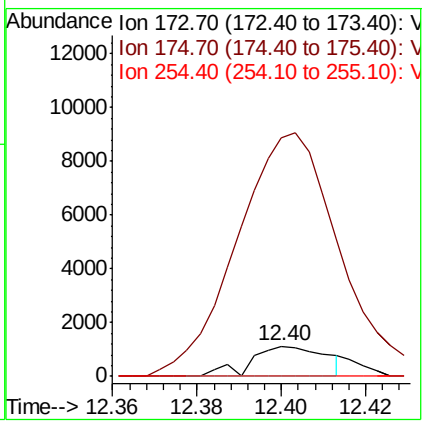


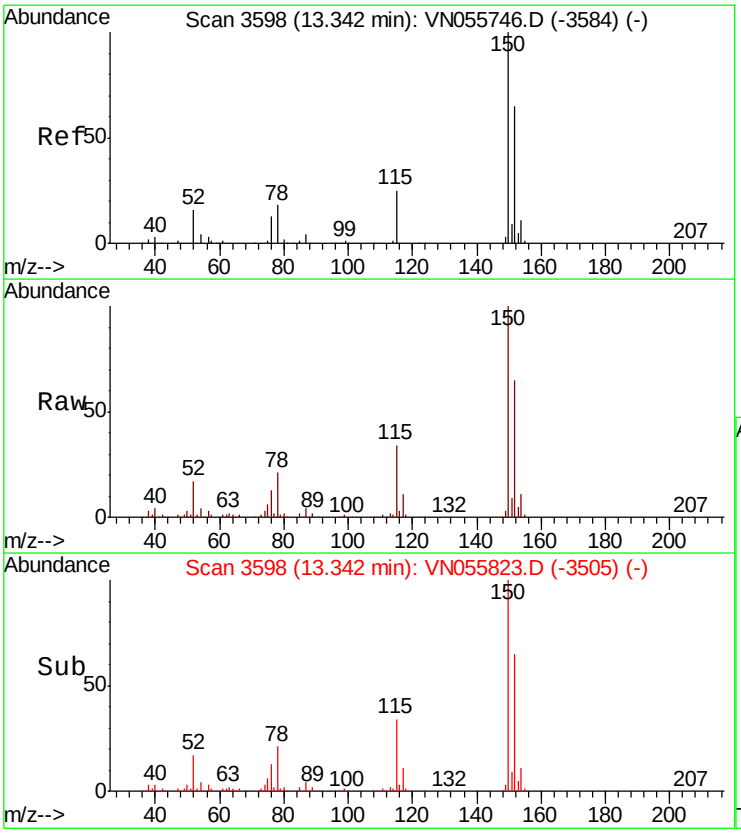

#71
Bromoform
Concen: 0.381 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:173 Resp: 1389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 956.7 | 24.3 | 72.8# |
| 254 | 0.0 | 0.0 | 0.0 |

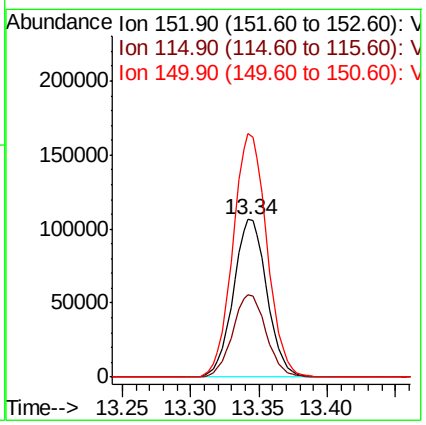


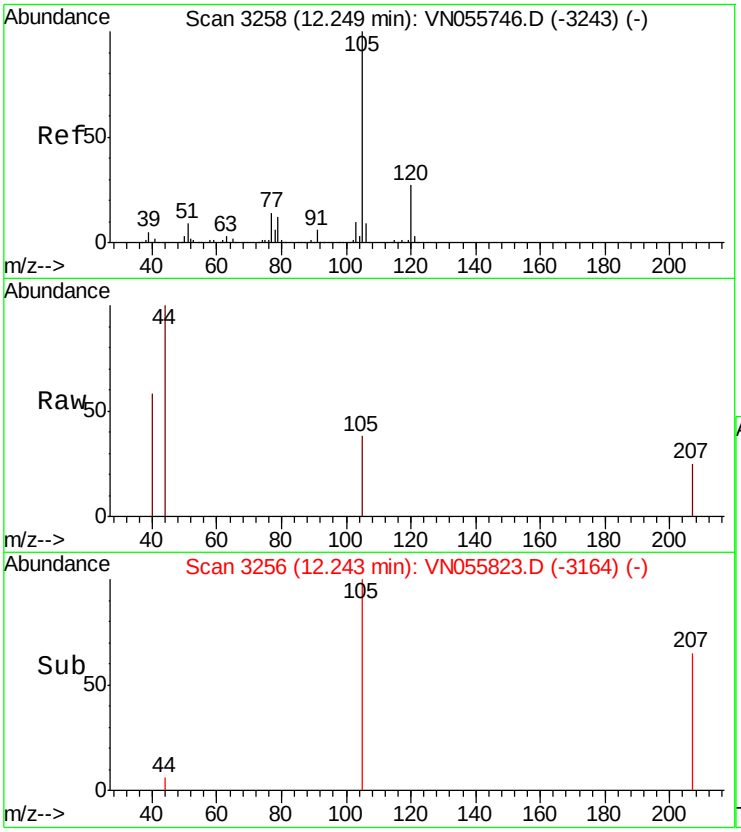




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion:152 Resp: 181326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.3 | 27.0 | 81.0 |
| 150 | 156.7 | 0.0 | 343.2 |



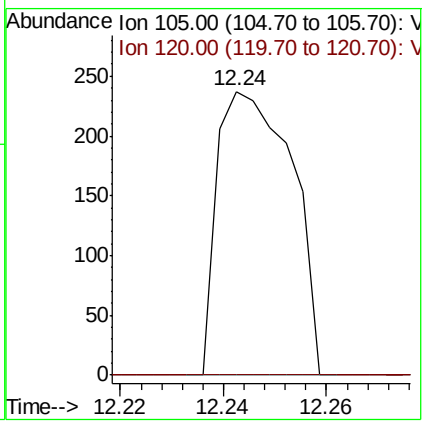


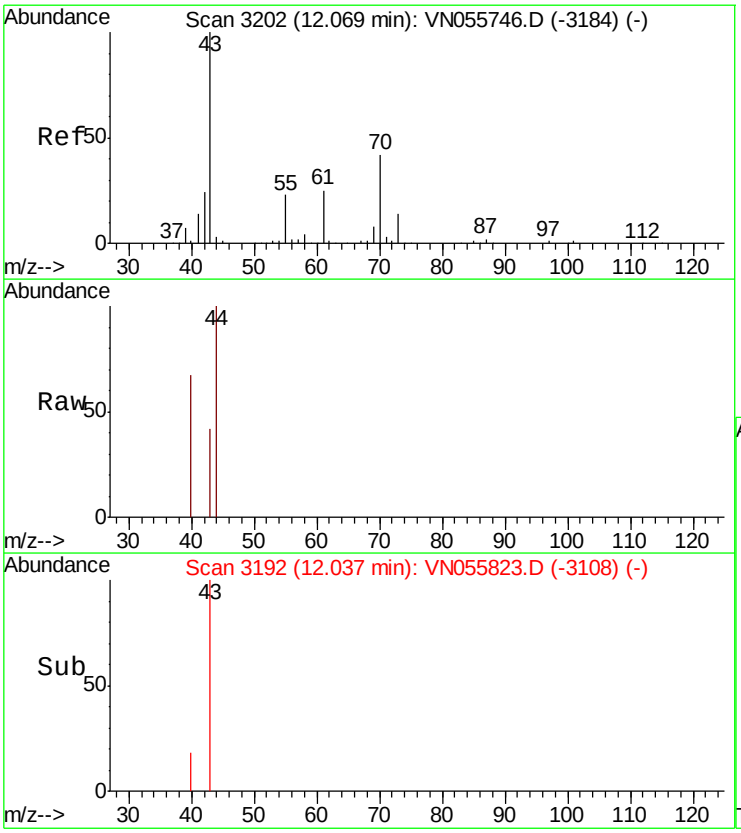

#73
Isopropylbenzene
Concen: Below Cal
RT: 12.24 min Scan# 3256
Delta R.T. -0.01 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:105 Resp: 237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 13.6 | 40.7# |

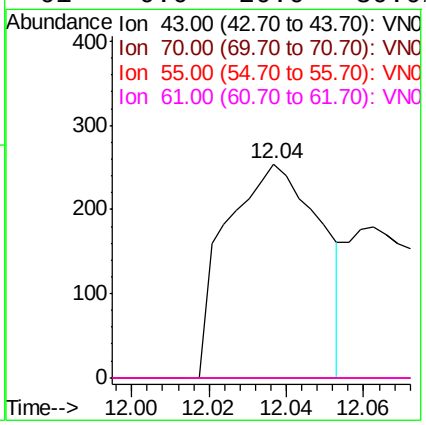


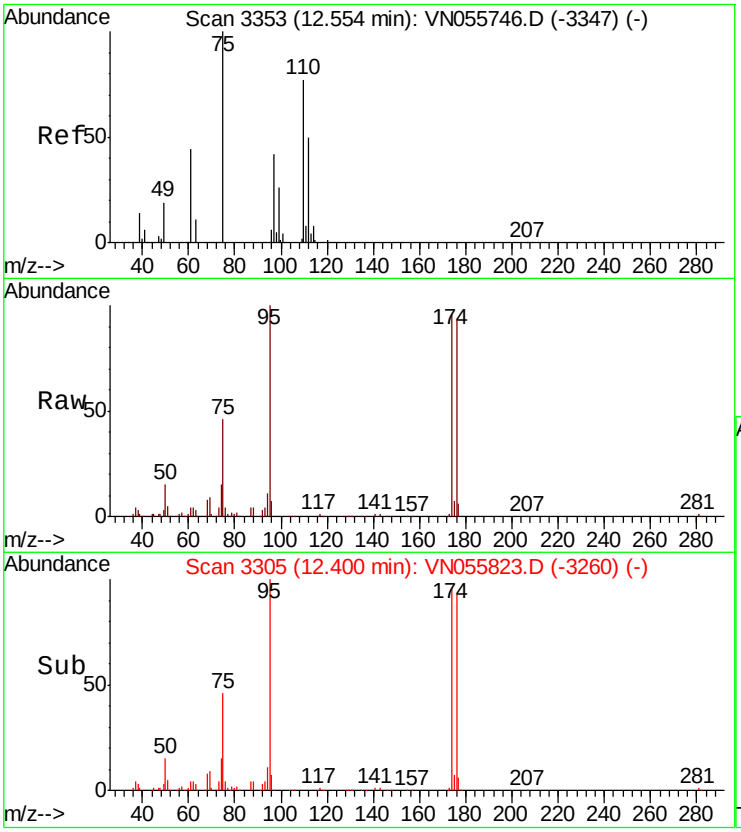




#74
N-amyl acetate
Concen: Below Cal
RT: 12.04 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 43 Resp: 432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 34.0 | 51.0# |
| 55 | 0.0 | 18.6 | 28.0# |
| 61 | 0.0 | 20.0 | 30.0# |



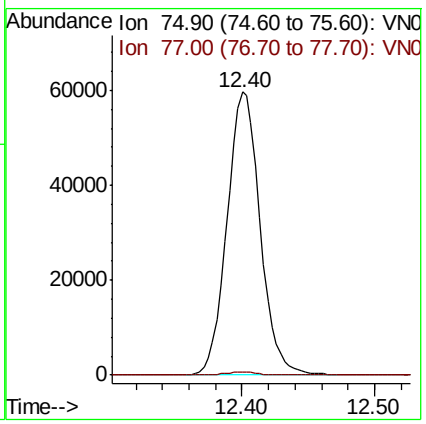


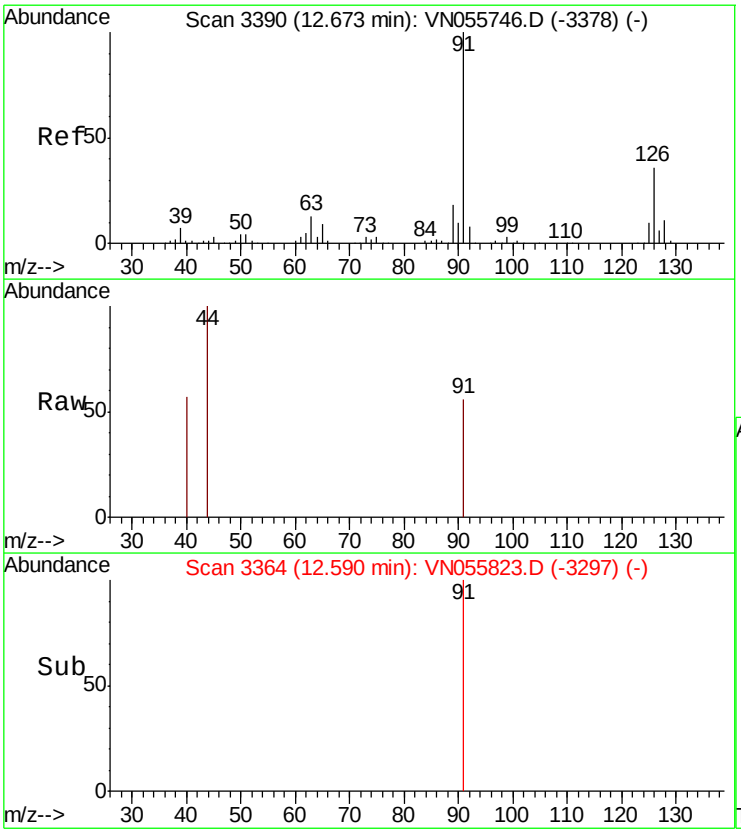

#76
1,2,3-Trichloropropane
Concen: 31.942 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion: 75 Resp: 103282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.0 | 0.0 | 0.0# |

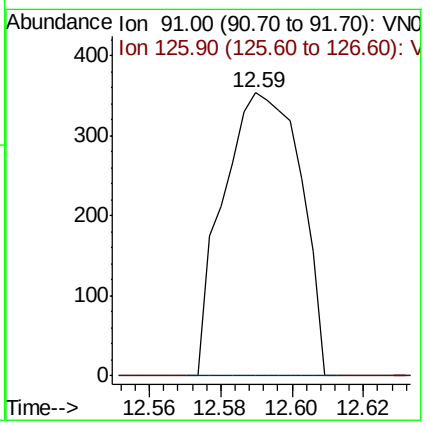


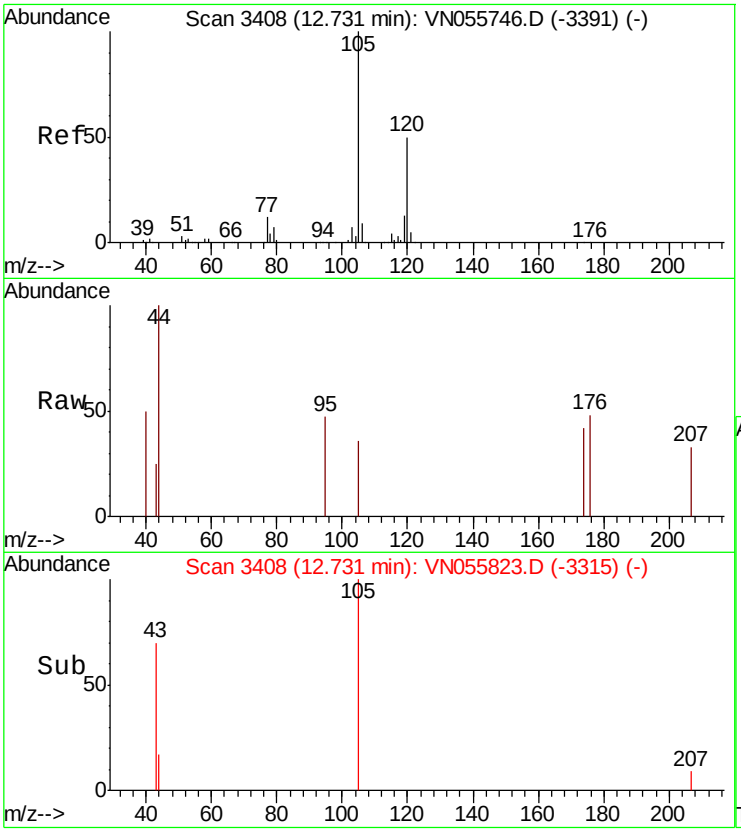




#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.59 min Scan# 3364
Delta R.T. -0.08 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 91 Resp: 526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 18.1 | 54.4# |



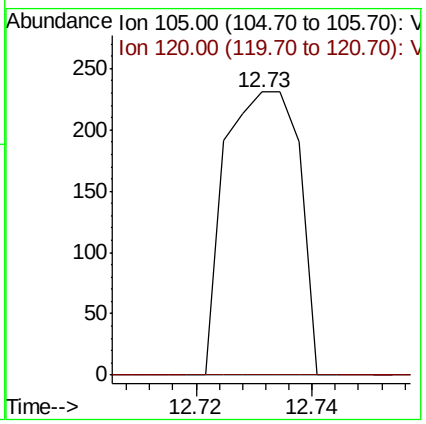


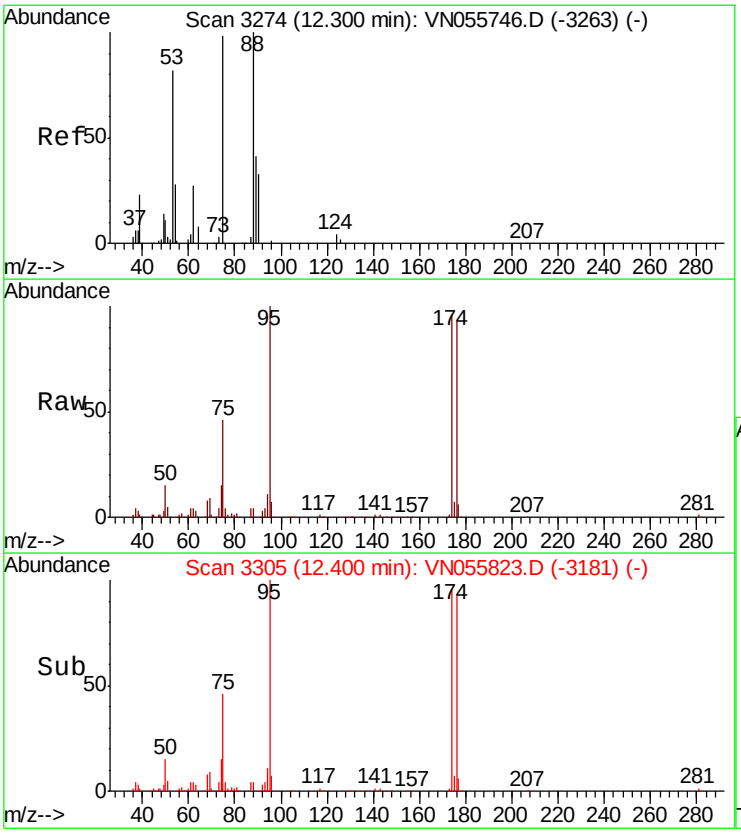

#80
1,3,5-Trimethylbenzene
Concen: Below Cal
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:105 Resp: 204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 24.7 | 74.1# |

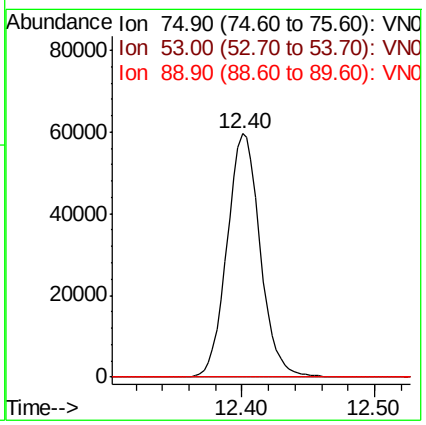


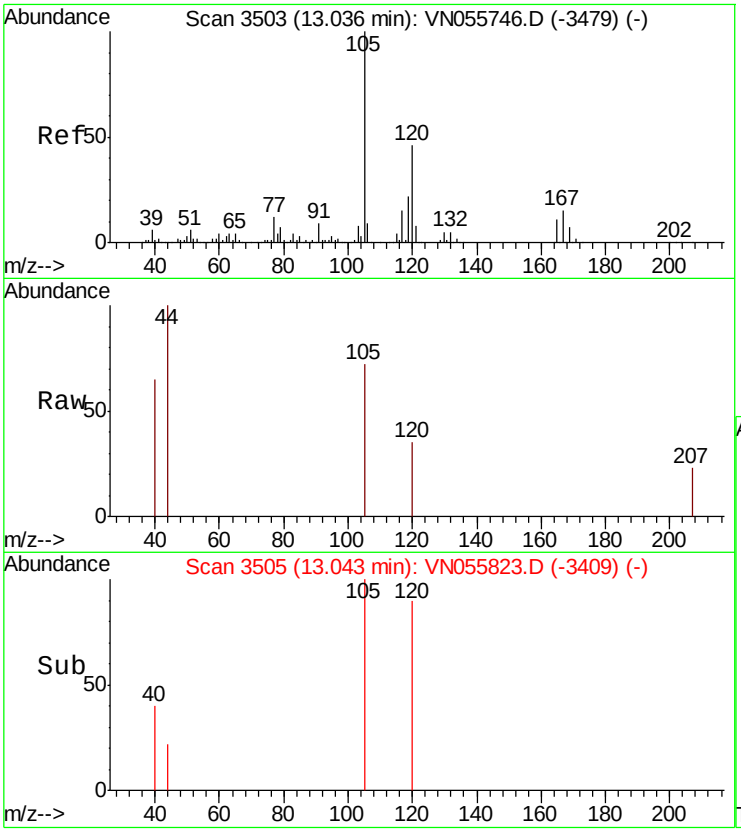




#81
trans-1,4-Dichloro-2-butene
Concen: 76.638 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion: 75 Resp: 103282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 68.1 | 102.1# |
| 89 | 0.0 | 36.9 | 55.3# |



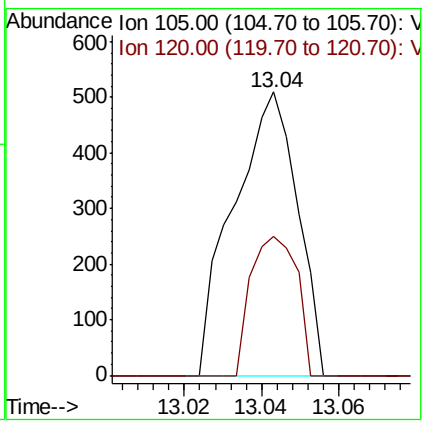


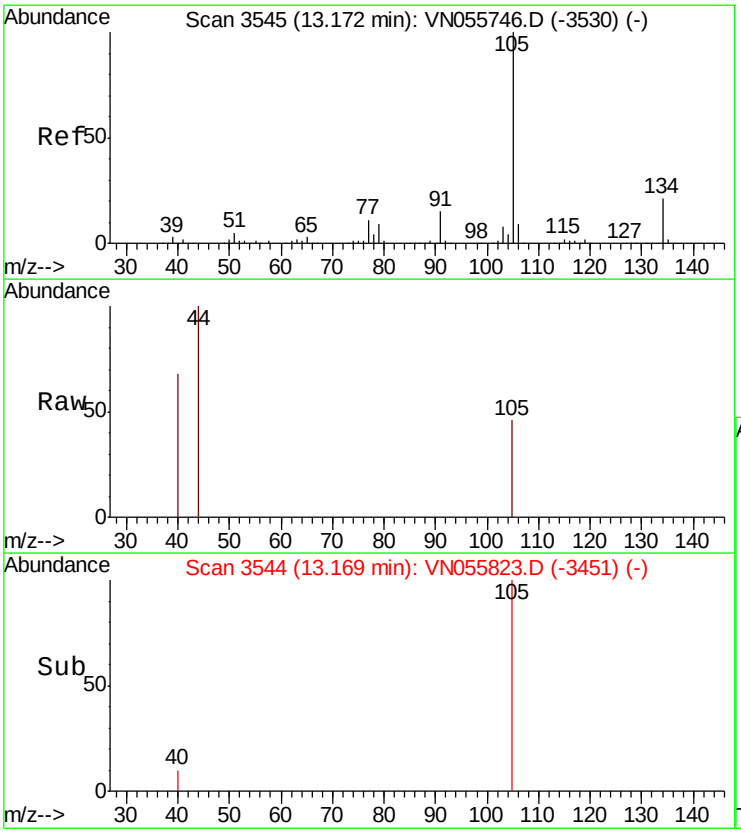

#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3505
Delta R.T. 0.01 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:105 Resp: 585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 35.4 | 23.0 | 69.0 |

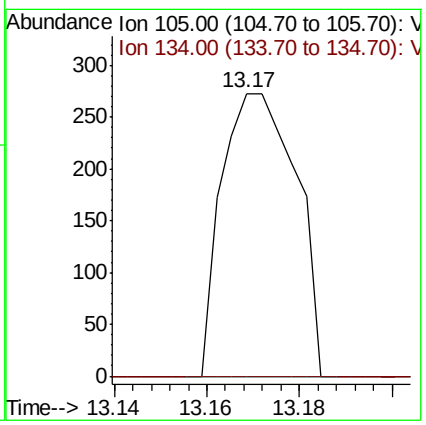


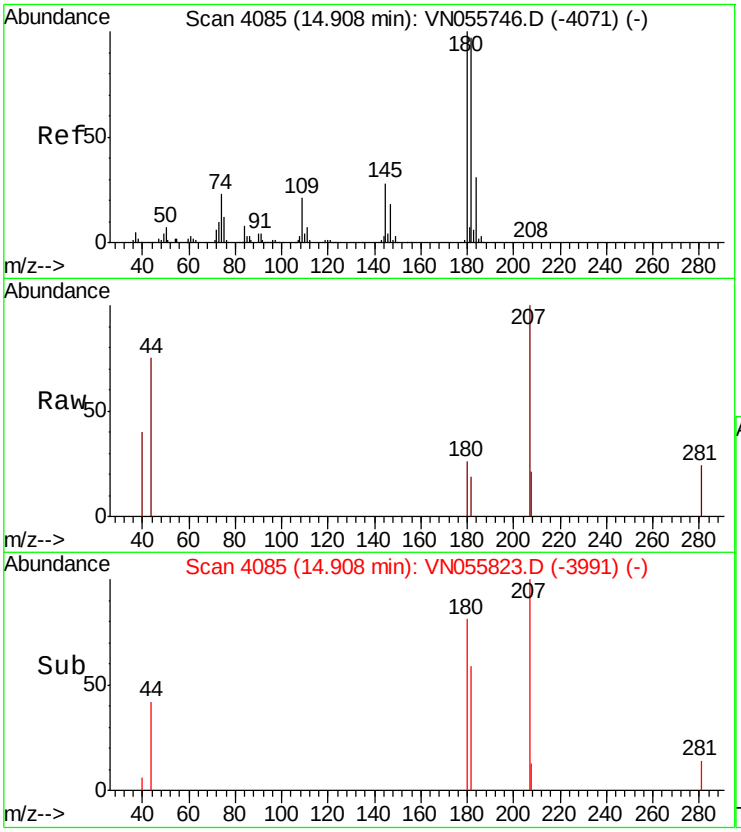




#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

Tgt Ion:105 Resp: 303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 10.4 | 31.2# |






#93
1,2,4-Trichlorobenzene
Concen: 3.729 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055823.D
Acq: 25 May 2019 3:24

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW2-R1-3

Tgt Ion:180 Resp: 349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 83.7 | 48.3 | 144.9 |
| 145 | 0.0 | 14.0 | 41.9# |