Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061520\
Data File : VV016930.D
Acq On : 15 Jun 2020 12:31
Operator : SY/MD
Sample : L2914-04 25X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Quant Time: Jun 16 05:49:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 16 05:46:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 376098 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 347266 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 169616 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 108647 | 40.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 81.88% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 73525 | 46.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 92.34% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 148033 | 33.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 66.44% | | | |
| 21) 2-Butanone-d5 | 3.90 | 46 | 170211 | 86.66 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 86.66% | | | |
| 24) Chloroform-d | 4.37 | 84 | 233664 | 43.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 166043 | 45.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.48% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 462950 | 46.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.50% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 143271 | 45.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 91.82% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 422577 | 46.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 73459 | 45.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.40% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 100792 | 74.09 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 74.09% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 174029 | 42.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 84.26% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 175663 | 48.53 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.06% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1522 | 0.761 | ug/L # | 21 |
| 27) 1,2-Dichloroethane | 5.13 | 62 | 31195 | 7.558 | ug/L # | 74 |
| 29) Cyclohexane | 4.71 | 56 | 7458 | 1.728 | ug/L # | 86 |
| 33) Benzene | 5.12 | 78 | 3227979 | 314.171 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.25 | 43 | 4195 | 1.108 | ug/L # | 91 |
| 42) Toluene | 7.41 | 91 | 274248 | 25.320 | ug/L | 100 |
| 48) 2-Hexanone | 8.11 | 43 | 13064 | 4.450 | ug/L # | 72 |
| 52) Ethylbenzene | 9.04 | 91 | 290599 | 24.222 | ug/L | 99 |
| 53) m,p-Xylene | 9.16 | 106 | 21088 | 4.721 | ug/L | 87 |
| 54) o-xylene | 9.57 | 106 | 28030 | 6.362 | ug/L | 100 |
| 56) Isopropylbenzene | 9.95 | 105 | 7102 | 0.600 | ug/L # | 86 |
| 69) Naphthalene | 13.53 | 128 | 12316 | 1.165 | ug/L # | 94 |

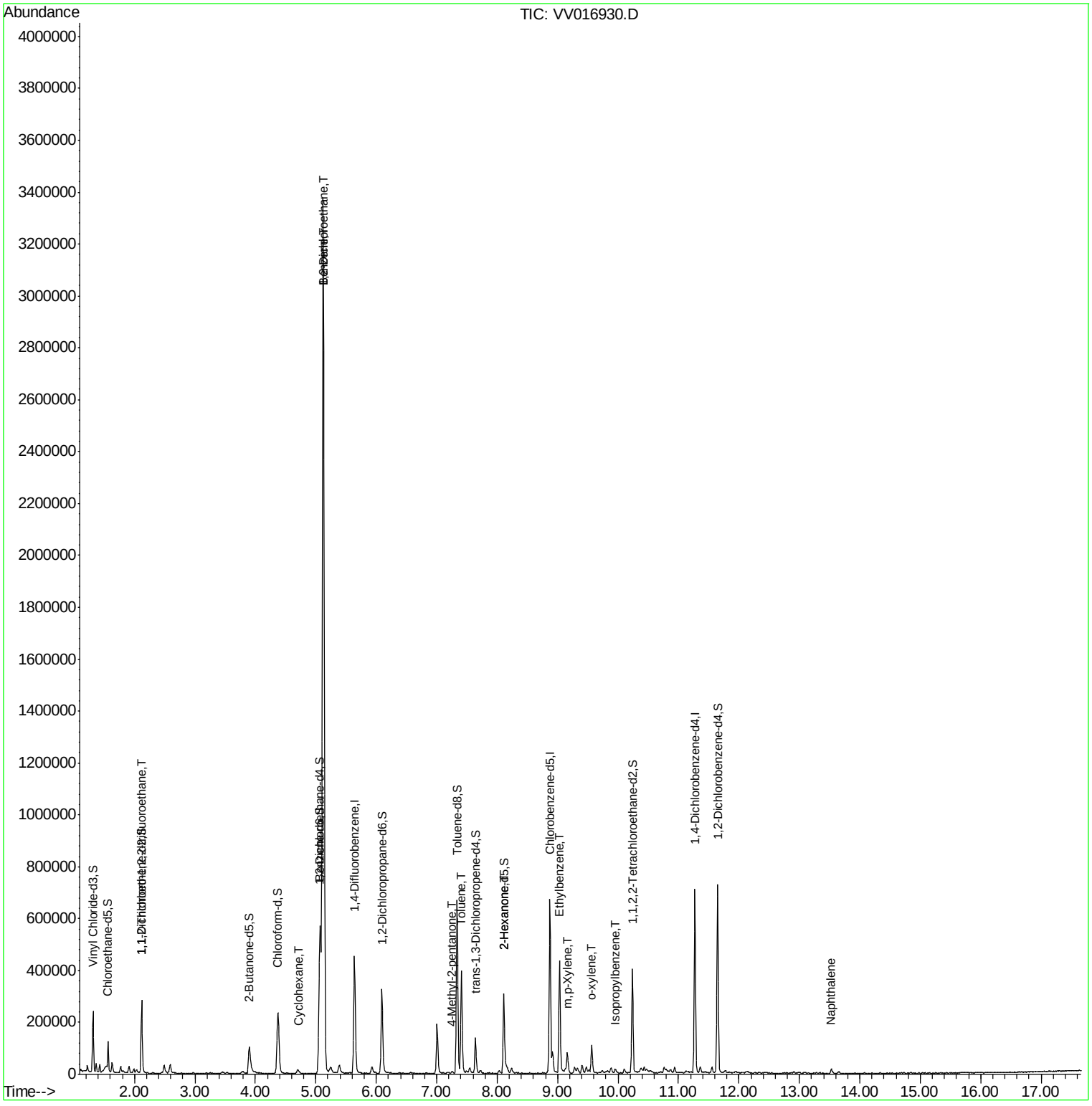
(#) = qualifier out of range (m) = manual integration (+) = signals summed

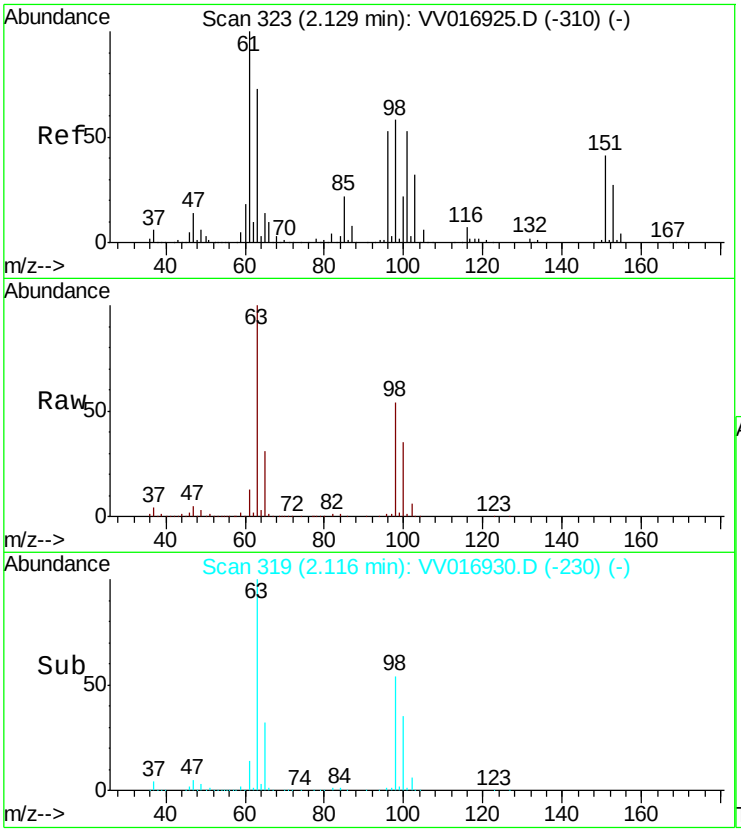
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061520\
Data File : VV016930.D
Acq On : 15 Jun 2020 12:31
Operator : SY/MD
Sample : L2914-04 25X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9D98

Quant Time: Jun 16 05:49:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 16 05:46:50 2020
Response via : Initial Calibration



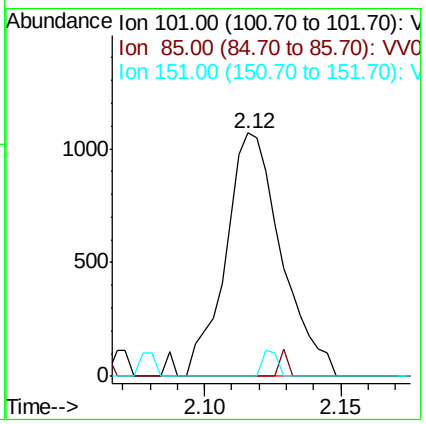


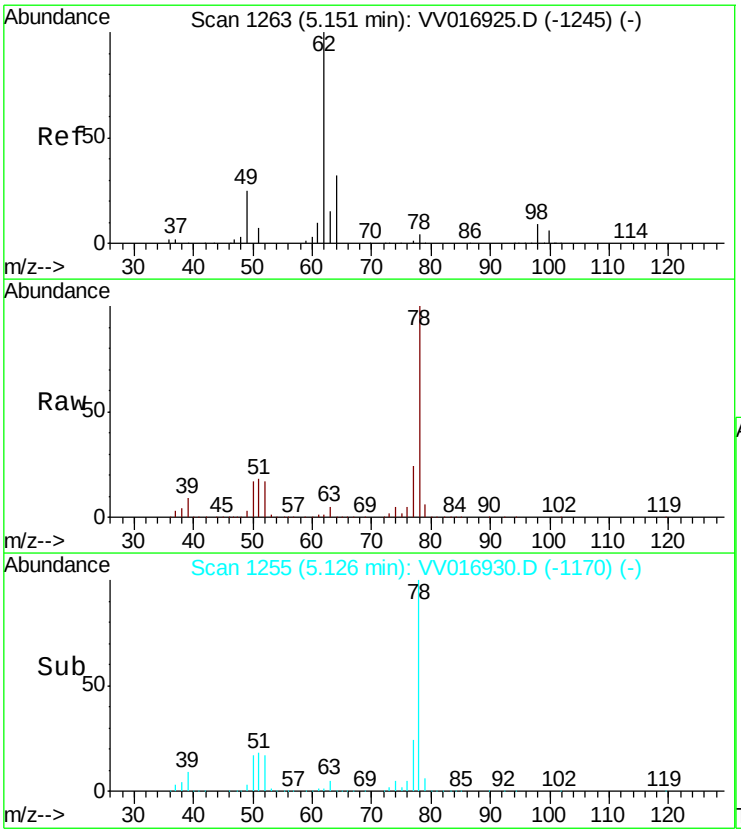

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.761 ug/L
RT: 2.12 min Scan# 319
Delta R.T. -0.01 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Tgt Ion:101 Resp: 1522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 2.7 | 35.5 | 53.3# |
| 151 | 2.8 | 63.9 | 95.9# |

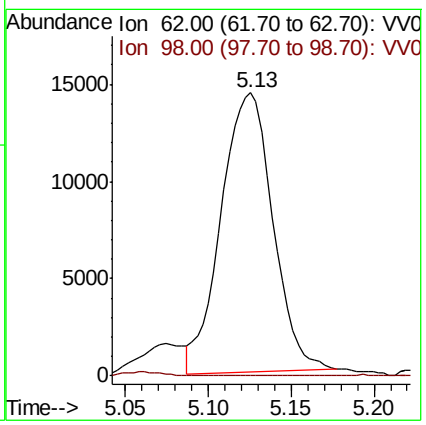


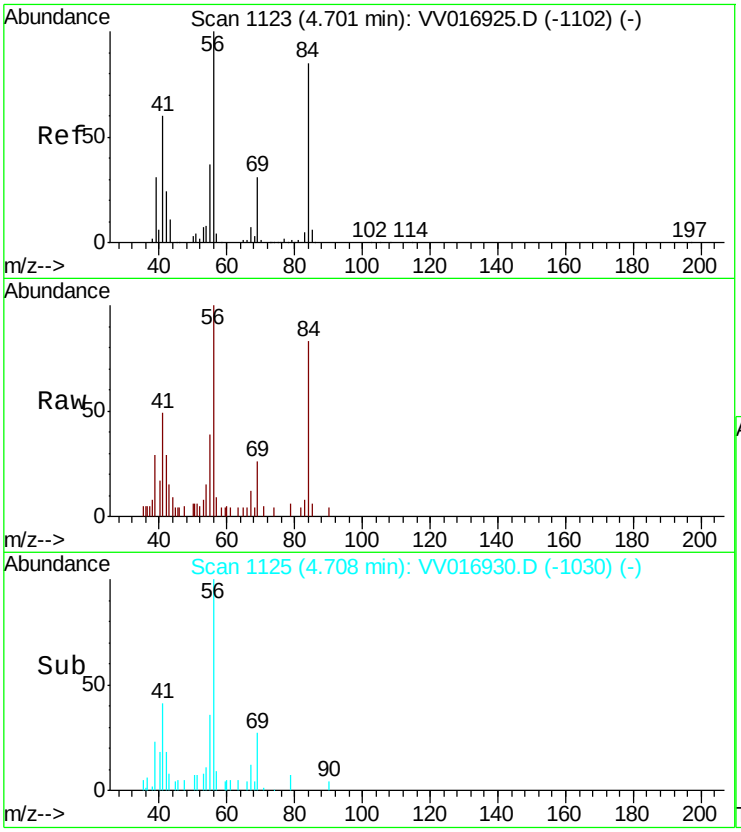




#27
1,2-Dichloroethane
Concen: 7.558 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion: 62 Resp: 31195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 7.4 | 11.2# |



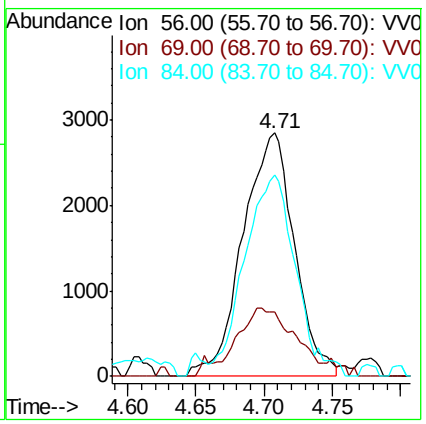


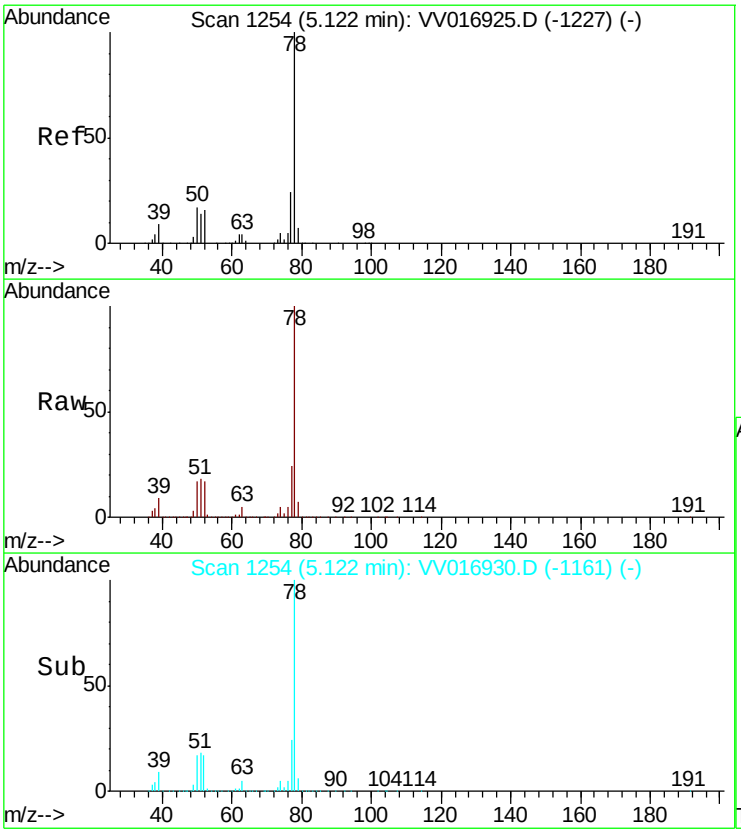

#29
Cyclohexane
Concen: 1.728 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Tgt Ion: 56 Resp: 7458

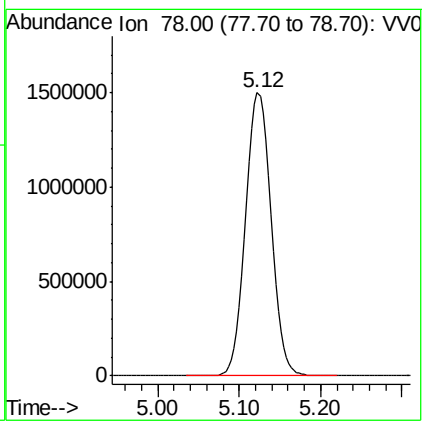
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 12.2 | 25.0 | 37.4# |
| 84 | 80.3 | 69.5 | 104.3 |

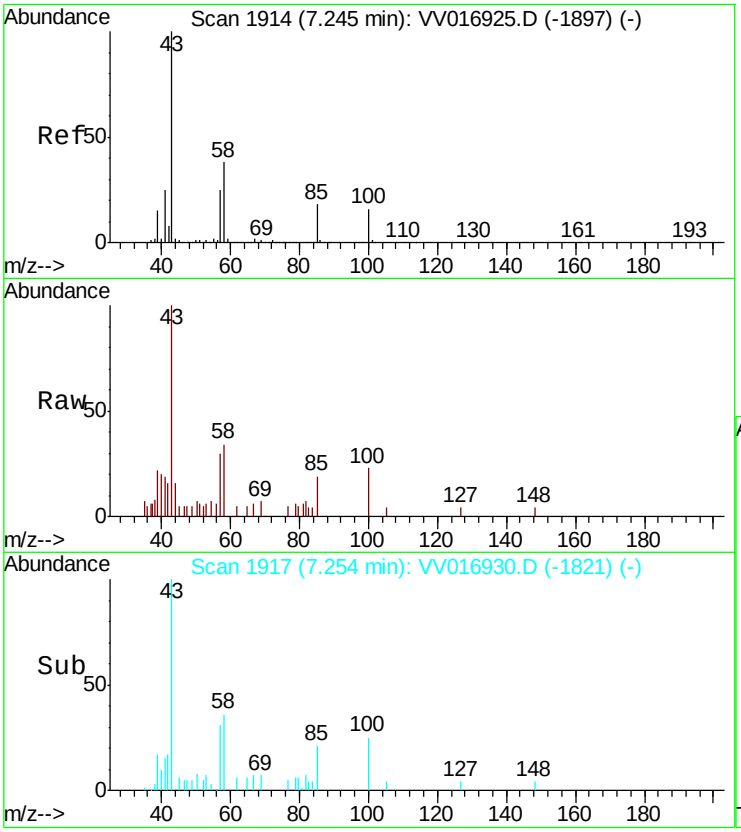



#33
Benzene
Concen: 314.171 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion: 78 Resp: 3227979



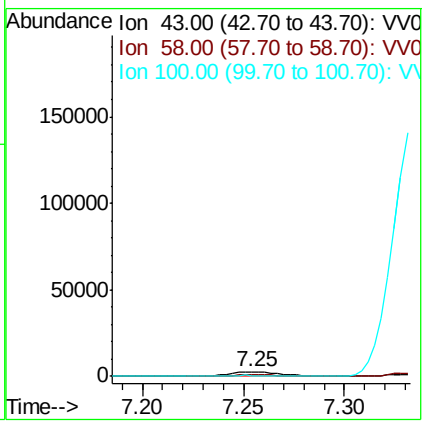


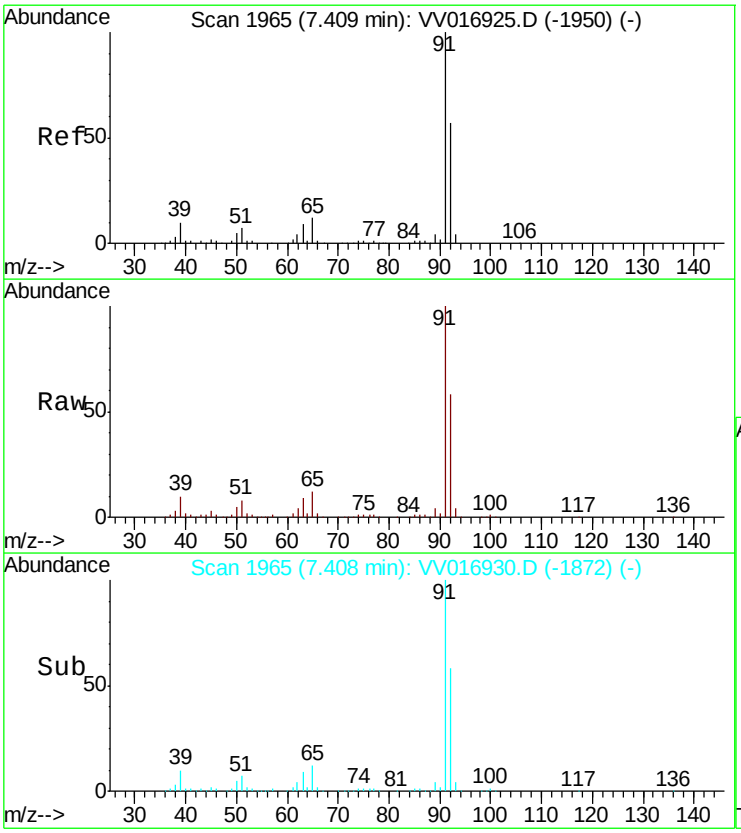

#40
4-Methyl-2-pentanone
Concen: 1.108 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Tgt Ion: 43 Resp: 4195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.2 | 30.2 | 45.4 |
| 100 | 21.4 | 12.3 | 18.5# |

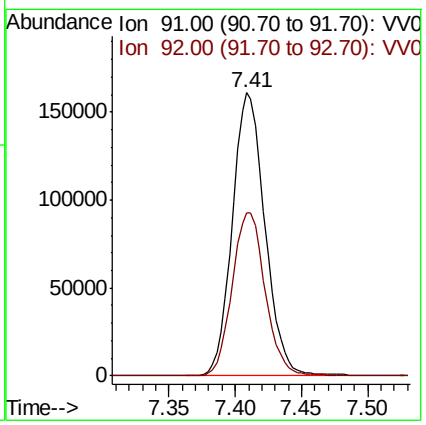


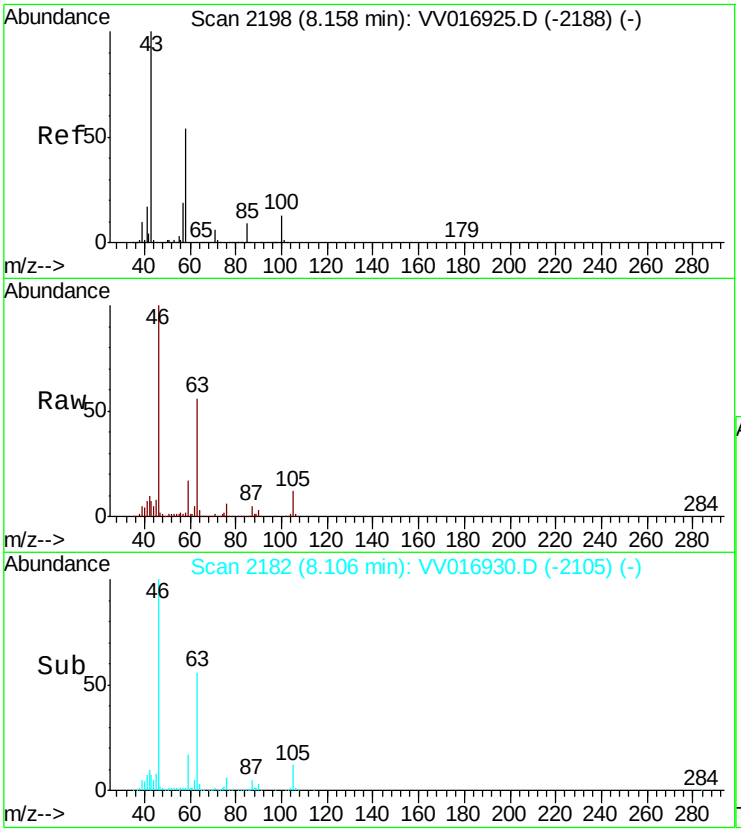




#42
Toluene
Concen: 25.320 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion: 91 Resp: 274248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 40.4 | 75.0 |



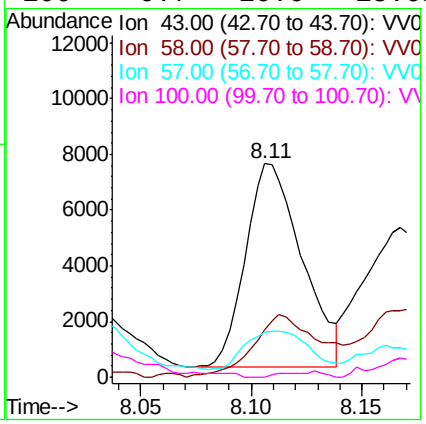


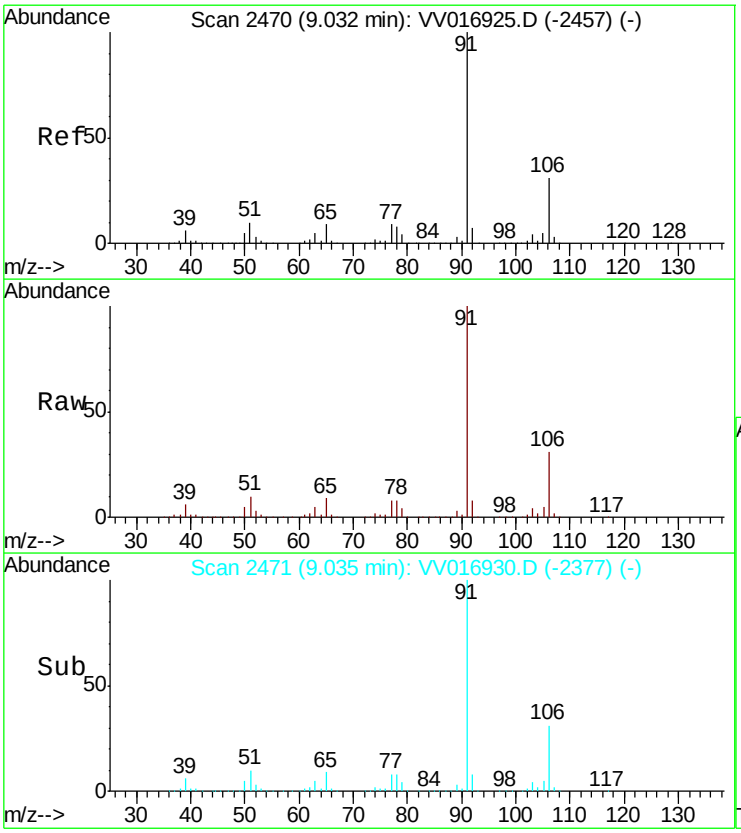

#48
2-Hexanone
Concen: 4.450 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Tgt Ion: 43 Resp: 13064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 43.1 | 64.7# |
| 57 | 24.6 | 15.3 | 22.9# |
| 100 | 0.7 | 10.0 | 15.0# |

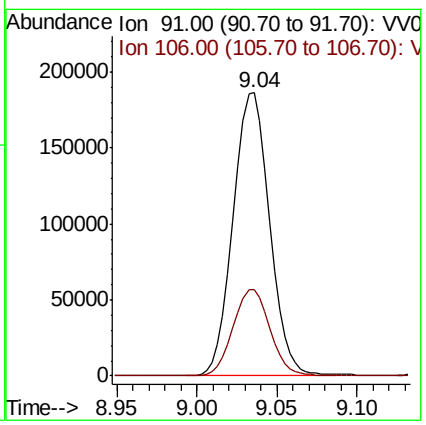


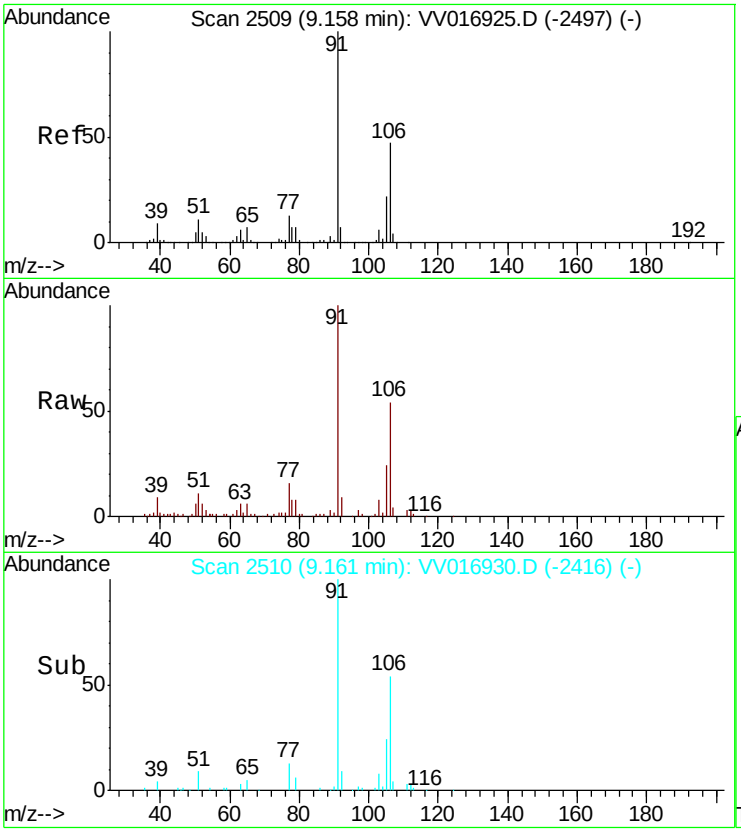




#52
Ethylbenzene
Concen: 24.222 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion: 91 Resp: 290599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 21.1 | 39.1 |



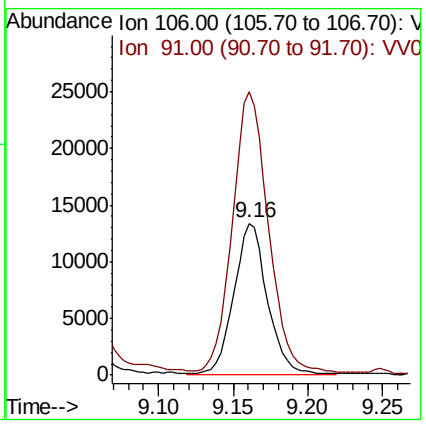


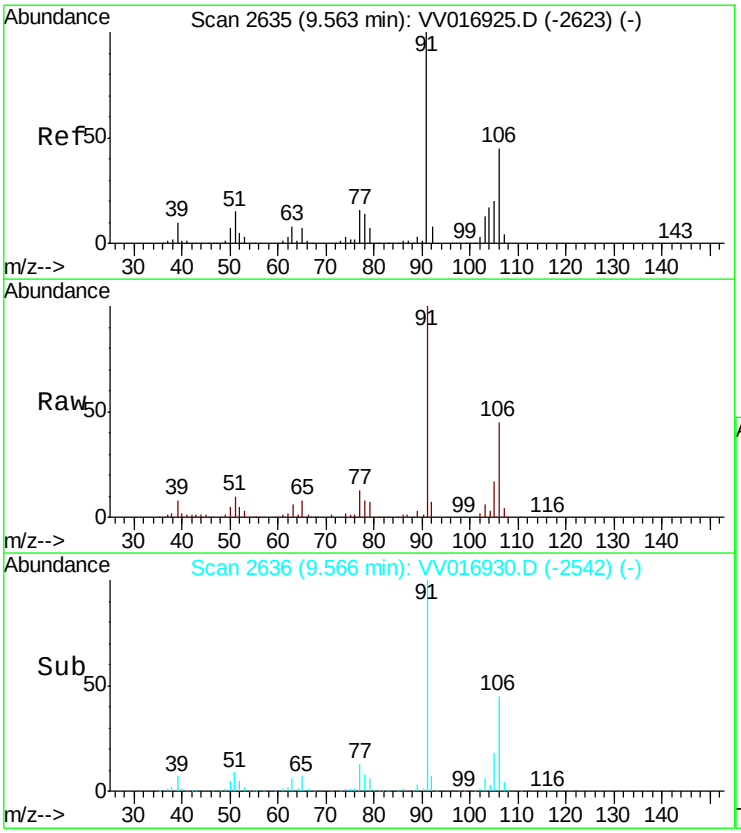

#53
m,p-Xylene
Concen: 4.721 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9D98

Tgt Ion:106 Resp: 21088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 186.1 | 144.6 | 268.6 |

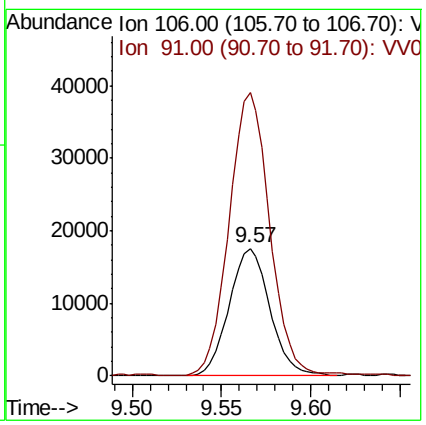


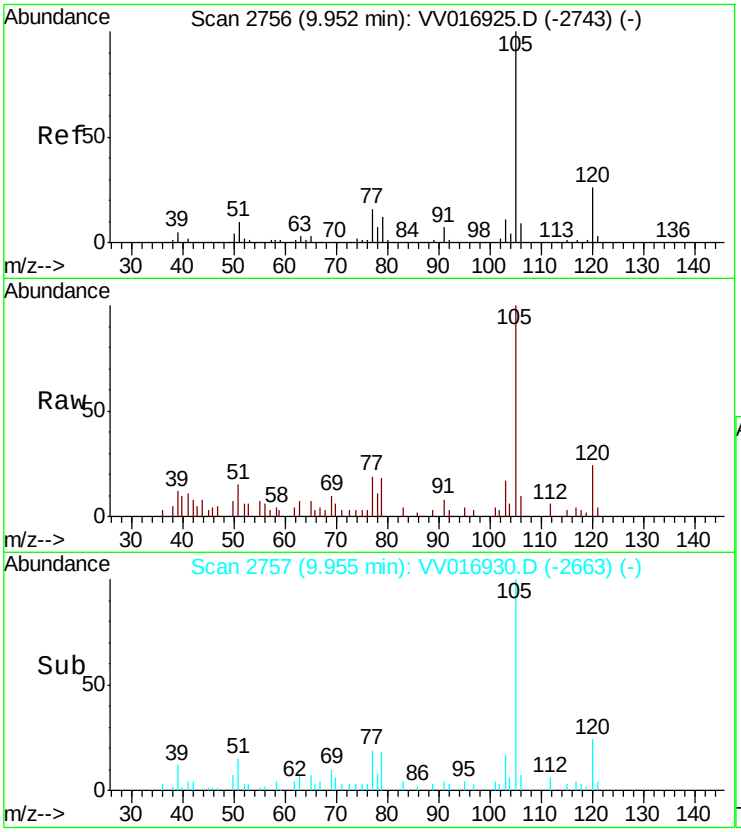




#54
o-xylene
Concen: 6.362 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion:106 Resp: 28030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.4 | 155.9 | 289.5 |



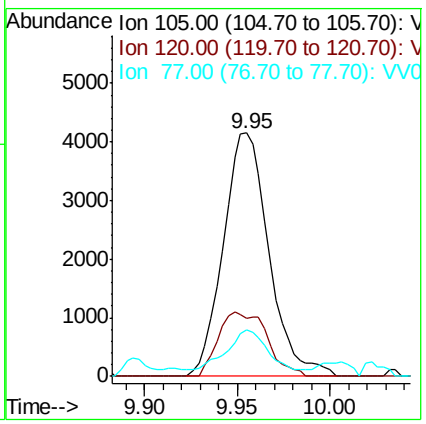


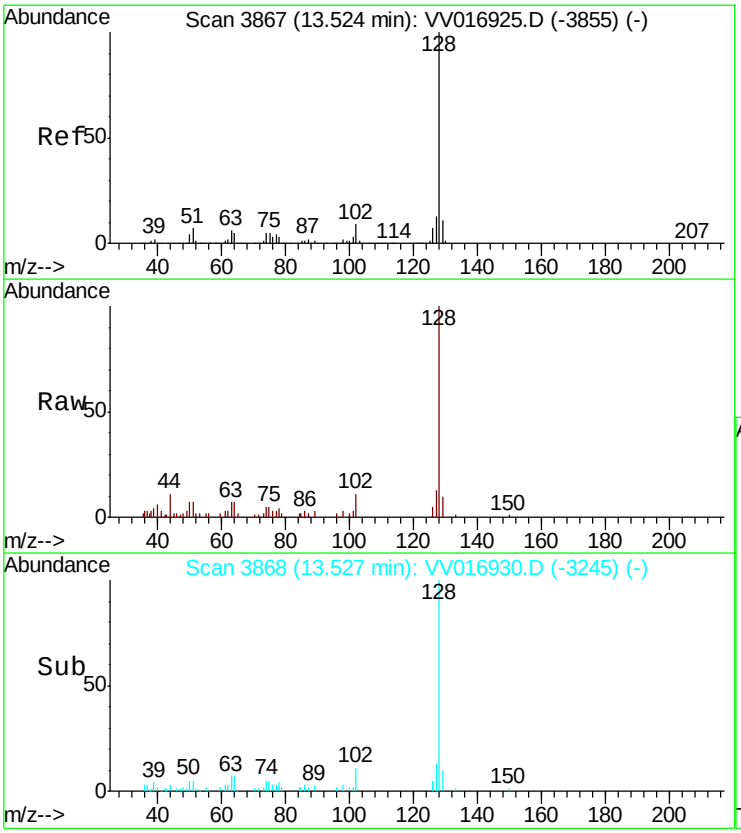

#56
Isopropylbenzene
Concen: 0.600 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

**Instrument :** MSVOA_V
**ClientSampleId :** F9D98

Tgt Ion:105 Resp: 7102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 16.8 | 21.2 | 31.8# |
| 77 | 13.7 | 13.0 | 19.4 |




#69
Naphthalene
Concen: 1.165 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016930.D
Acq: 15 Jun 2020 12:31

Tgt Ion:128 Resp: 12316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 8.7 | 10.5 | 15.7# |
| 129 | 10.8 | 8.7 | 13.1 |