Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

Quantitation Report (Not Reviewed)

Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Quant Time: May 03 04:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 04:37:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 1043717 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 974629 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 463860 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 221410 | 25.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 50.70%# | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 202106 | 29.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 59.88%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 371387 | 21.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 42.70%# | | | |
| 21) 2-Butanone-d5 | 4.19 | 46 | 781872 | 98.79 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 98.79% | | | |
| 24) Chloroform-d | 4.64 | 84 | 544318 | 34.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 68.04%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 373994 | 35.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 71.56% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 1088568 | 36.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 72.74% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 409648 | 38.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 77.82% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 949852 | 36.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 72.88%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 175264 | 38.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 77.56% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 525725 | 115.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 115.35% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 592158 | 41.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 83.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 383306 | 39.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 78.58%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Trichloroethene | 6.19 | 95 | 4726 | 0.544 | ug/L # | 73 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 10789 | 0.803 | ug/L # | 66 |
| 42) Toluene | 7.64 | 91 | 14211 | 0.398 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 6623 | 0.543 | ug/L # | 77 |
| 46) Tetrachloroethene | 8.22 | 164 | 28402 | 4.796 | ug/L | 96 |
| 48) 2-Hexanone | 8.31 | 43 | 61850 | 4.886 | ug/L # | 71 |
| 53) m,p-Xylene | 9.37 | 106 | 19234 | 1.491 | ug/L | 99 |
| 54) o-xylene | 9.78 | 106 | 8413 | 0.658 | ug/L | 86 |
| 55) Styrene | 9.80 | 104 | 16110 | 0.737 | ug/L | 99 |
| 56) Isopropylbenzene | 10.16 | 105 | 45397 | 1.350 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 57957 | 4.805 | ug/L | 91 |
| 69) Naphthalene | 13.80 | 128 | 128471 | 4.139 | ug/L # | 28 |

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

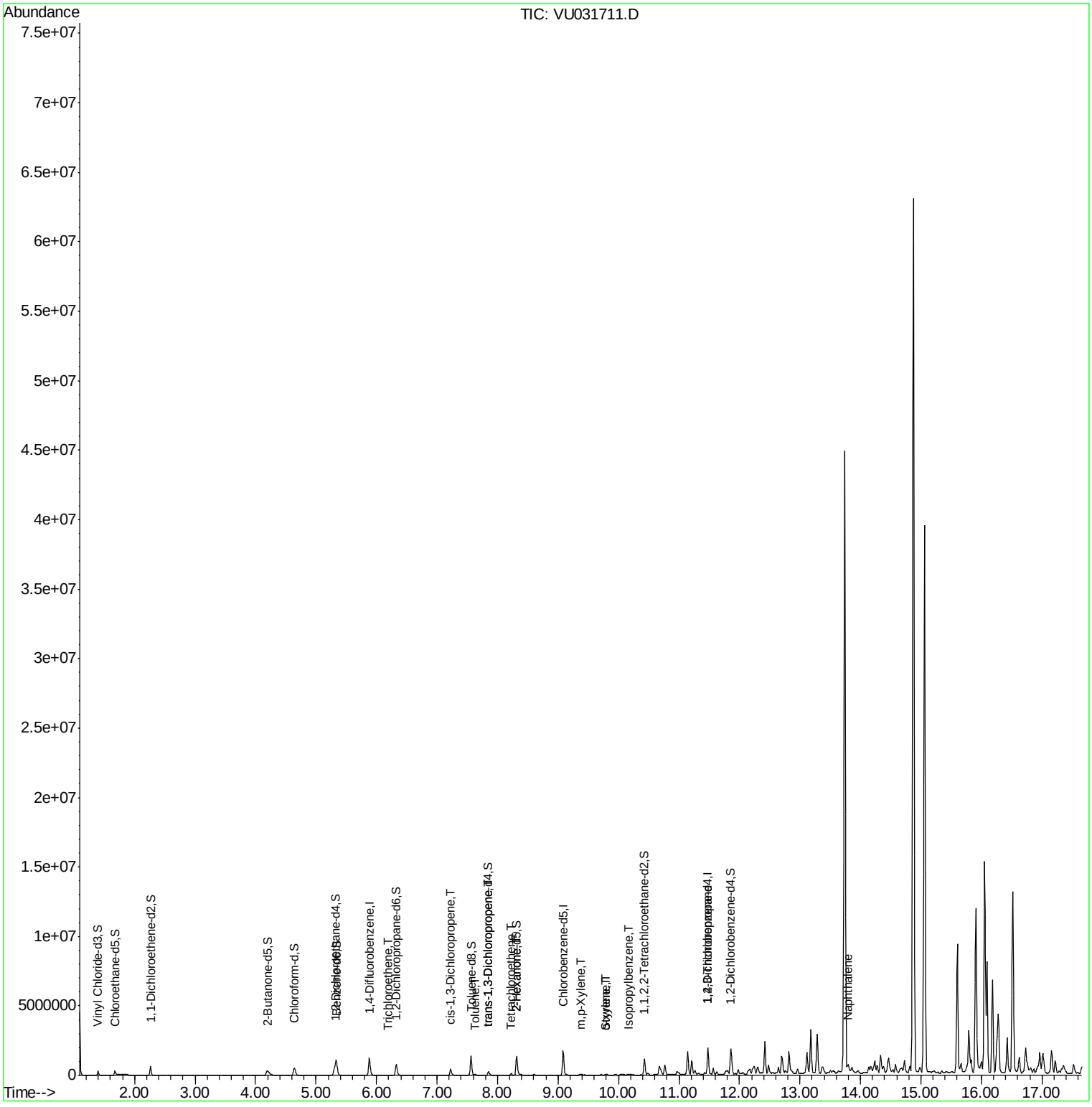
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\

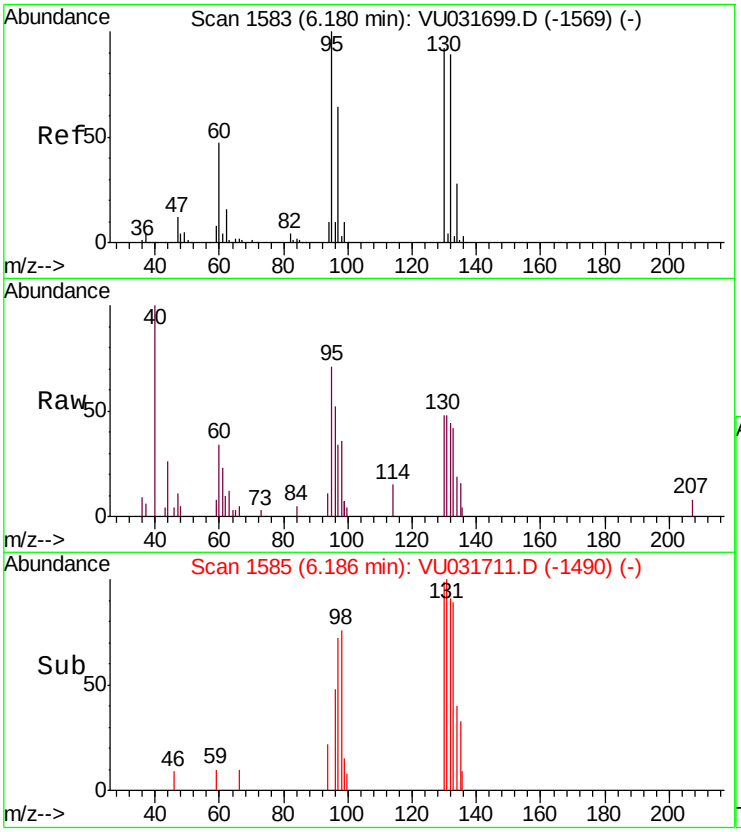
Quantitation Report (Not Reviewed)

Data File : VU031711.D
Acq On : 02 May 2019 14:45
Operator : JC/SP
Sample : K2604-21 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Quant Time: May 03 04:42:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 04:37:29 2019
Response via : Initial Calibration



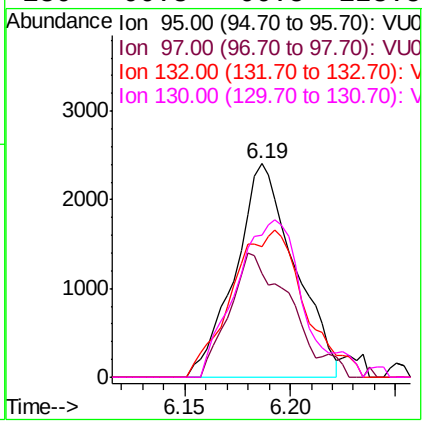


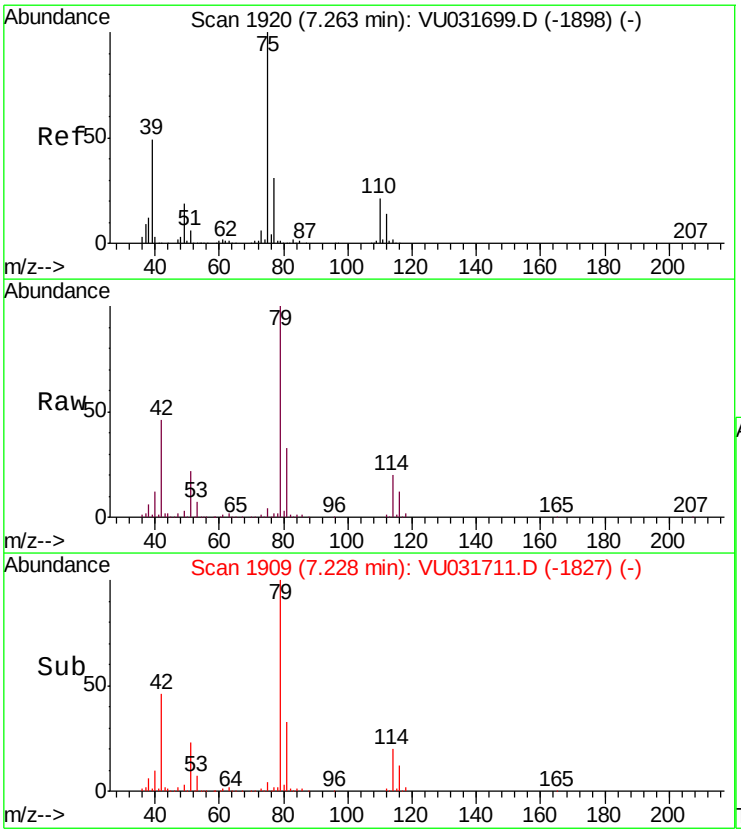

#34
Trichloroethene
Concen: 0.544 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Tgt Ion: 95 Resp: 4726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 48.3 | 44.8 | 83.2 |
| 132 | 61.3 | 63.1 | 117.1# |
| 130 | 66.8 | 66.5 | 123.5 |

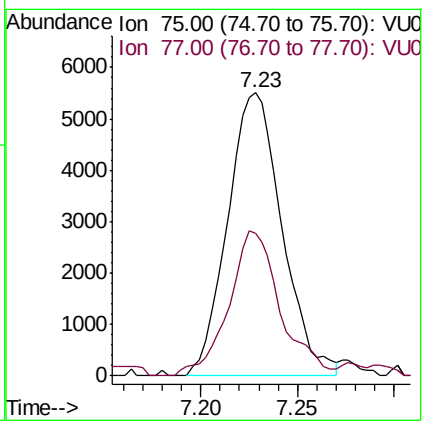


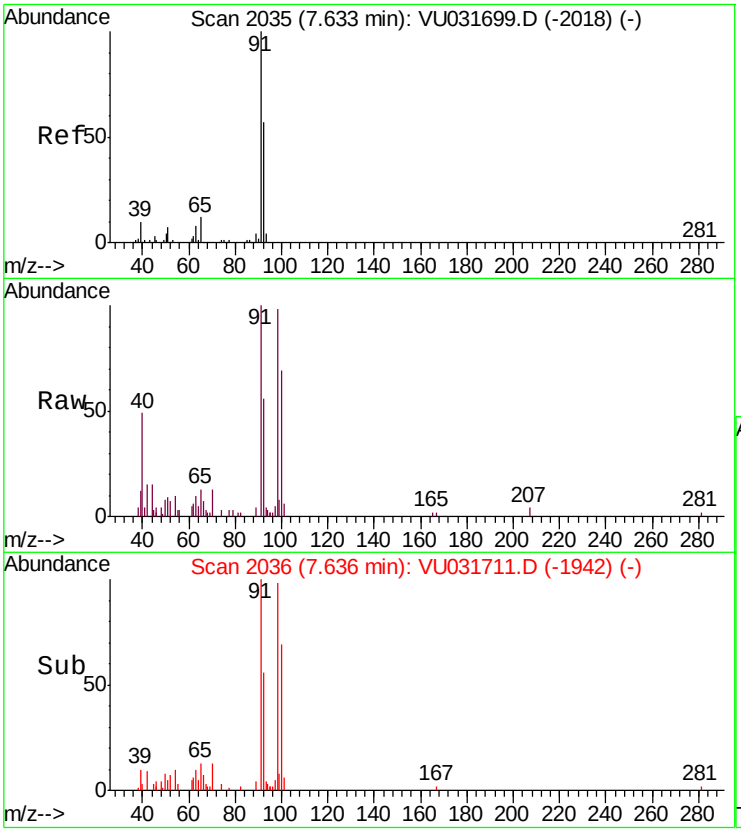




#39
cis-1,3-Dichloropropene
Concen: 0.803 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion: 75 Resp: 10789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 50.3 | 22.1 | 41.1# |



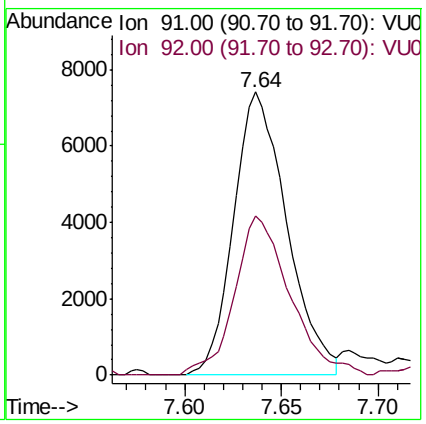


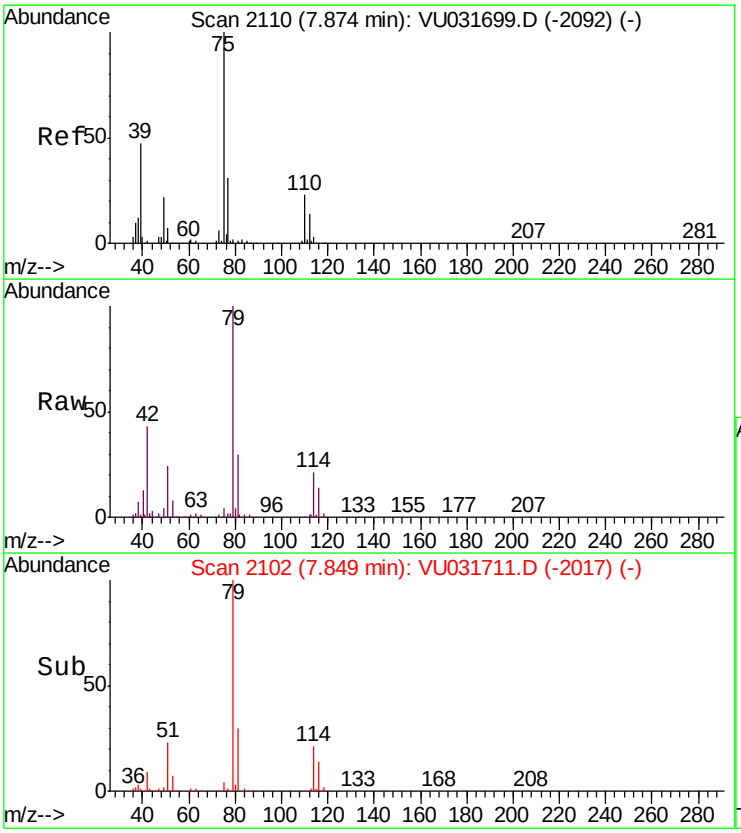

#42
Toluene
Concen: 0.398 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ92

Tgt Ion: 91 Resp: 14211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.4 | 39.0 | 72.4 |

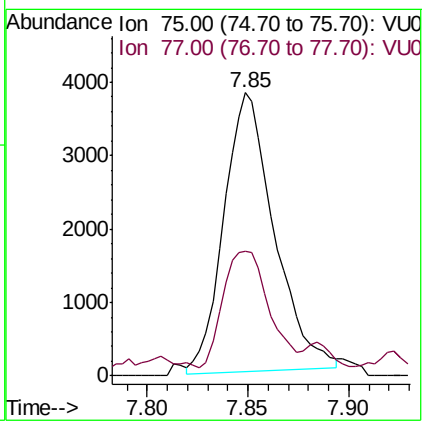


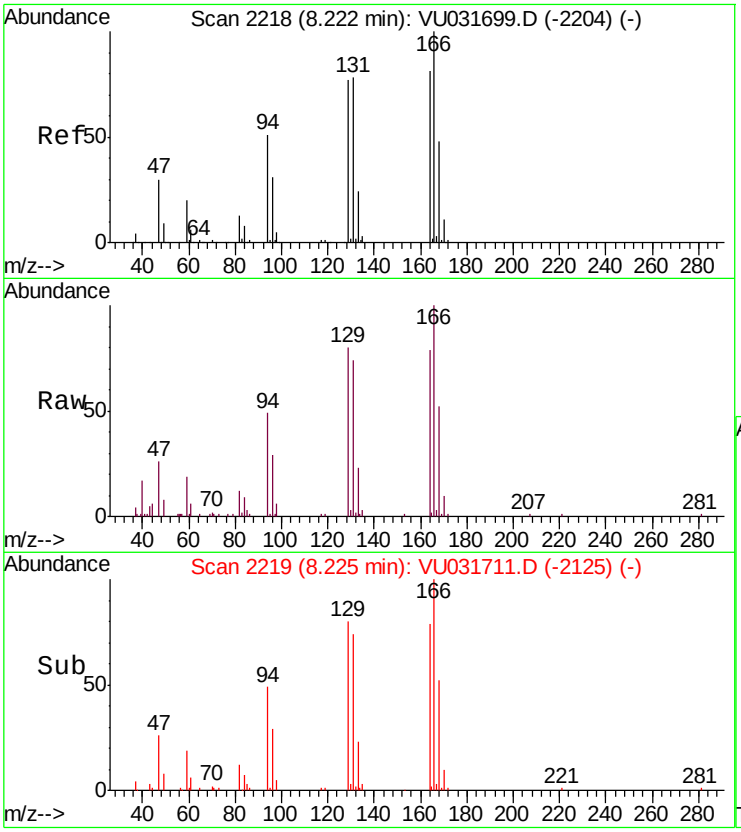




#44
trans-1,3-Dichloropropene
Concen: 0.543 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion: 75 Resp: 6623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.1 | 22.1 | 41.1# |



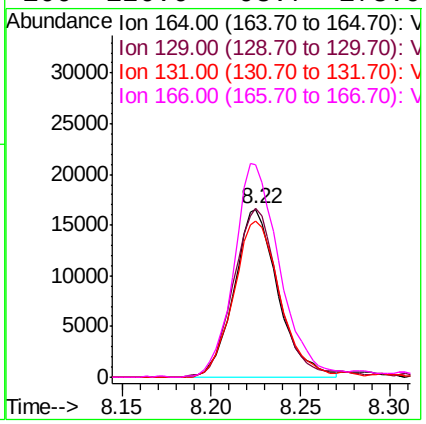


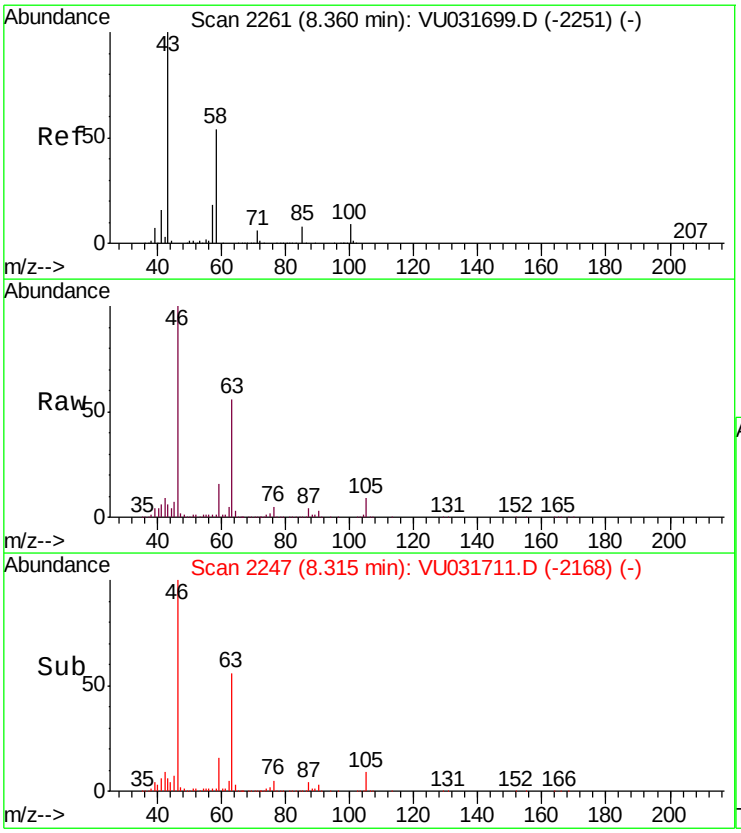

#46
Tetrachloroethene
Concen: 4.796 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Tgt Ion:164 Resp: 28402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 100.7 | 71.5 | 132.9 |
| 131 | 93.4 | 69.0 | 128.2 |
| 166 | 126.6 | 93.7 | 173.9 |

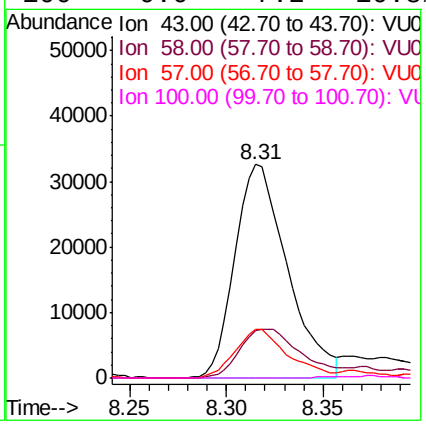


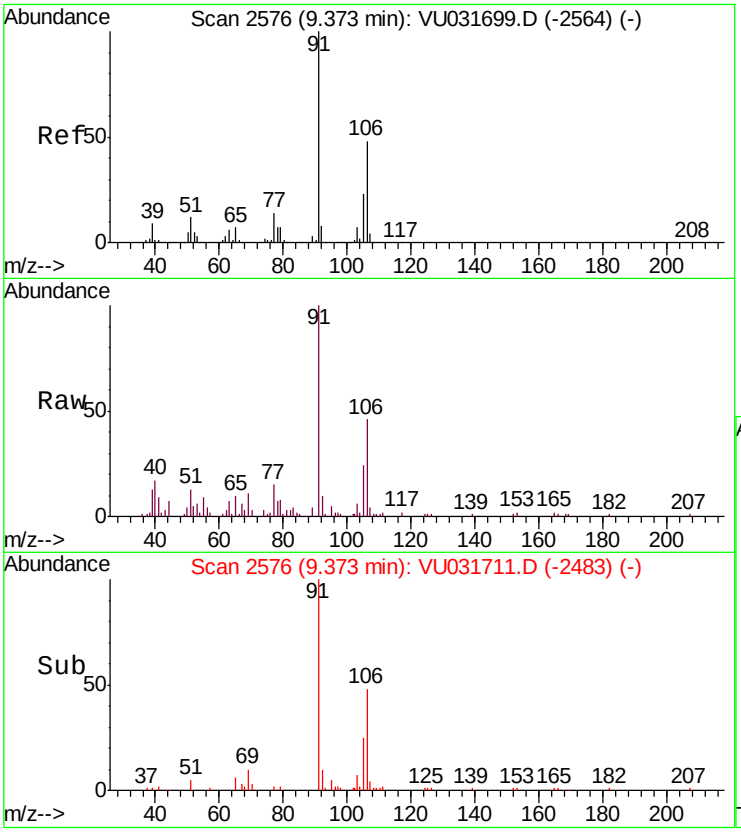




#48
2-Hexanone
Concen: 4.886 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.04 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion: 43 Resp: 61850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.8 | 42.1 | 63.1# |
| 57 | 22.9 | 14.6 | 22.0# |
| 100 | 0.0 | 7.2 | 10.8# |



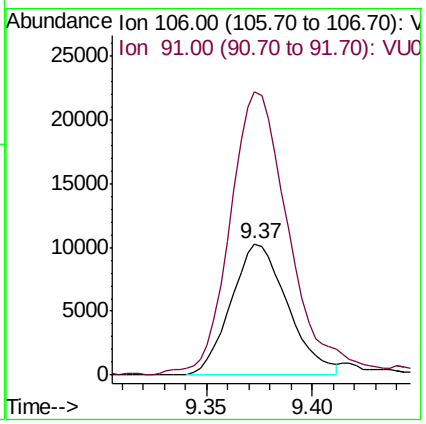


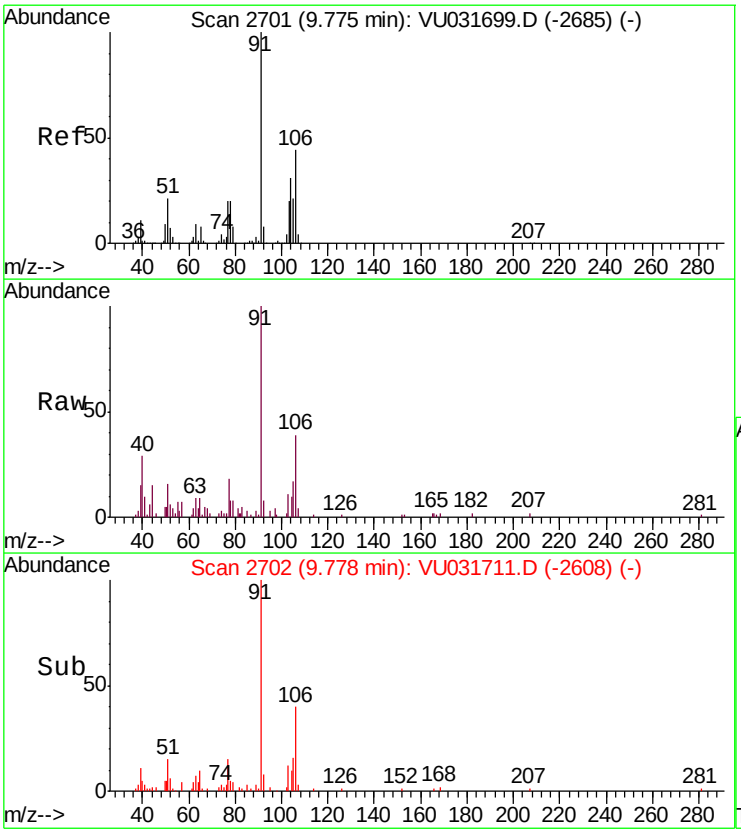

#53
m,p-Xylene
Concen: 1.491 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Tgt Ion:106 Resp: 19234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.7 | 152.2 | 282.6 |

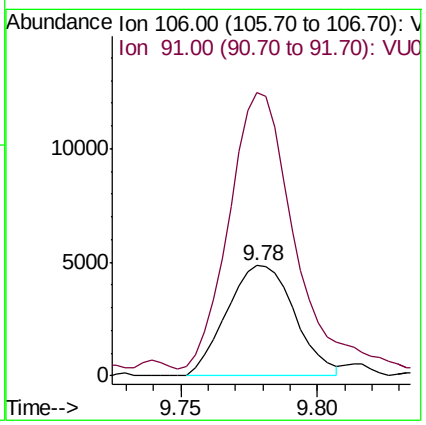


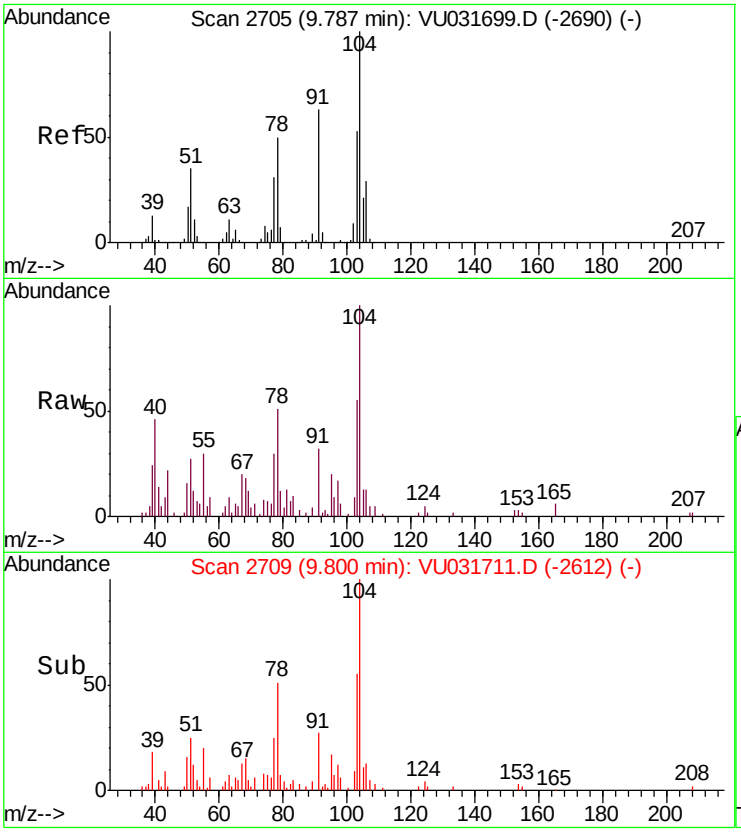




#54
o-xylene
Concen: 0.658 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion:106 Resp: 8413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 256.5 | 163.2 | 303.2 |



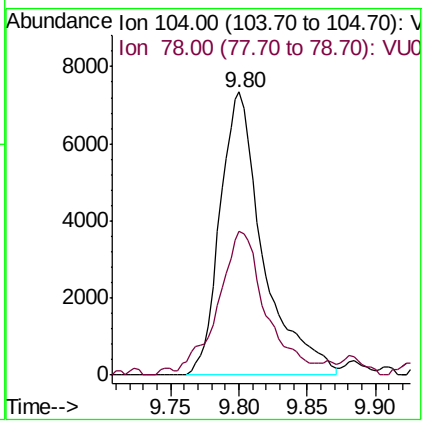


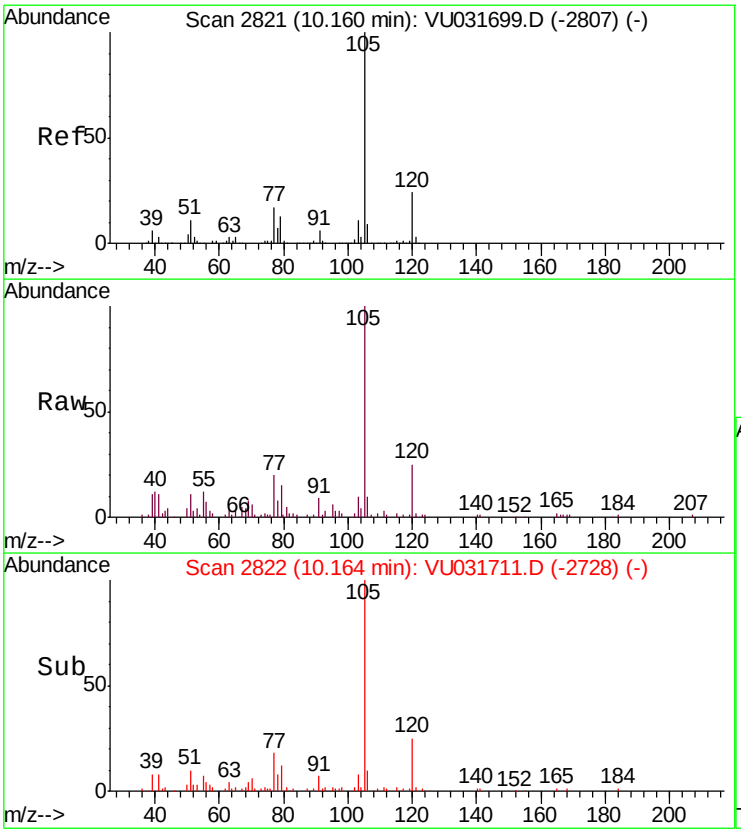

#55
Styrene
Concen: 0.737 ug/L
RT: 9.80 min Scan# 2709
Delta R.T. 0.01 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Tgt Ion:104 Resp: 16110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.0 | 35.4 | 65.7 |

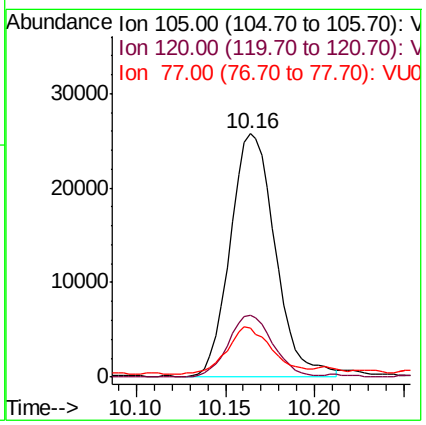


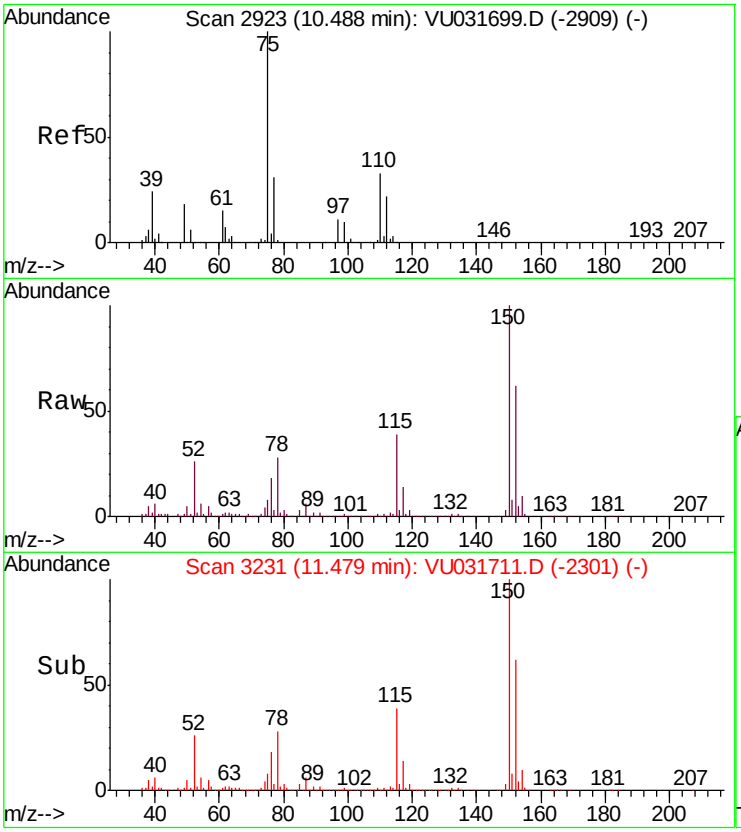




#56
Isopropylbenzene
Concen: 1.350 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion:105 Resp: 45397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 20.1 | 30.1 |
| 77 | 19.5 | 13.8 | 20.6 |



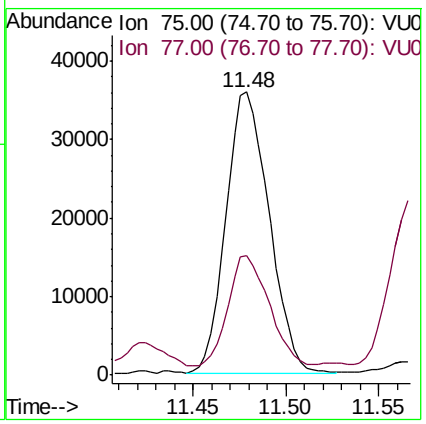


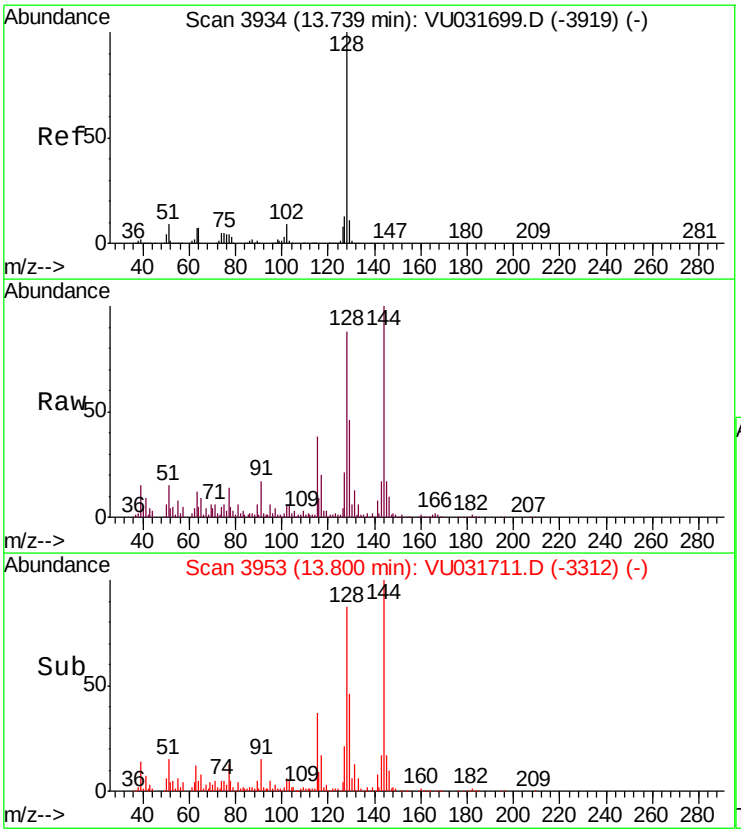

#59
1,2,3-Trichloropropane
Concen: 4.805 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ92

Tgt Ion: 75 Resp: 57957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.7 | 25.9 | 38.9 |




#69
Naphthalene
Concen: 4.139 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.06 min
Lab File: VU031711.D
Acq: 02 May 2019 14:45

Tgt Ion:128 Resp: 128471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 26.2 | 10.6 | 15.8# |
| 129 | 56.0 | 8.7 | 13.1# |