

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028822.D
 Acq On : 20 Dec 2018 14:17
 Operator : MD/SY
 Sample : J6441-11
 Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
ClientSampled :
 BF024

Manual Integrations
APPROVED
 MMDadoda
 1/7/2019 10:17:06 AM

Quant Time: Dec 31 04:04:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 03:50:07 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 203789 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 209833 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 115517 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 61490 | 37.64 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 60 - 135 | Recovery | = | 75.28% |
| 7) Chloroethane-d5 | 1.64 | 69 | 36410 | 28.85 | ug/L | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 57.70%# |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 80335 | 29.24 | ug/L | -0.04 |
| Spiked Amount | 50.000 | Range | 60 - 125 | Recovery | = | 58.48%# |
| 21) 2-Butanone-d5 | 4.19 | 46 | 102011 | 89.12 | ug/L | 0.02 |
| Spiked Amount | 100.000 | Range | 40 - 130 | Recovery | = | 89.12% |
| 24) Chloroform-d | 4.64 | 84 | 103738 | 40.38 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 80.76% |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 66168 | 41.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 83.56% |
| 32) Benzene-d6 | 5.33 | 84 | 225666 | 38.07 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 76.14% |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 80196 | 39.82 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 120 | Recovery | = | 79.64% |
| 41) Toluene-d8 | 7.56 | 98 | 207376 | 38.60 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 80 - 120 | Recovery | = | 77.20%# |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 36571 | 40.53 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 60 - 125 | Recovery | = | 81.06% |
| 47) 2-Hexanone-d5 | 8.32 | 63 | 91712 | 95.88 | ug/L | 0.02 |
| Spiked Amount | 100.000 | Range | 45 - 130 | Recovery | = | 95.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 138859 | 49.70 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 65 - 120 | Recovery | = | 99.40% |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 99420 | 42.55 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 80 - 120 | Recovery | = | 85.10% |

Target Compounds

| | | | | | | Qvalue |
|----------------------|-------|-----|-----------|----------|------|--------|
| 33) Benzene | 5.38 | 78 | 13739 | 2.057 | ug/L | 100 |
| 52) Ethylbenzene | 9.25 | 91 | 17595982m | 2418.249 | ug/L | |
| 53) m,p-Xylene | 9.38 | 106 | 105208 | 39.101 | ug/L | 100 |
| 54) o-xylene | 9.78 | 106 | 424519 | 157.417 | ug/L | 99 |
| 56) Isopropylbenzene | 10.17 | 105 | 1430287 | 209.071 | ug/L | 99 |

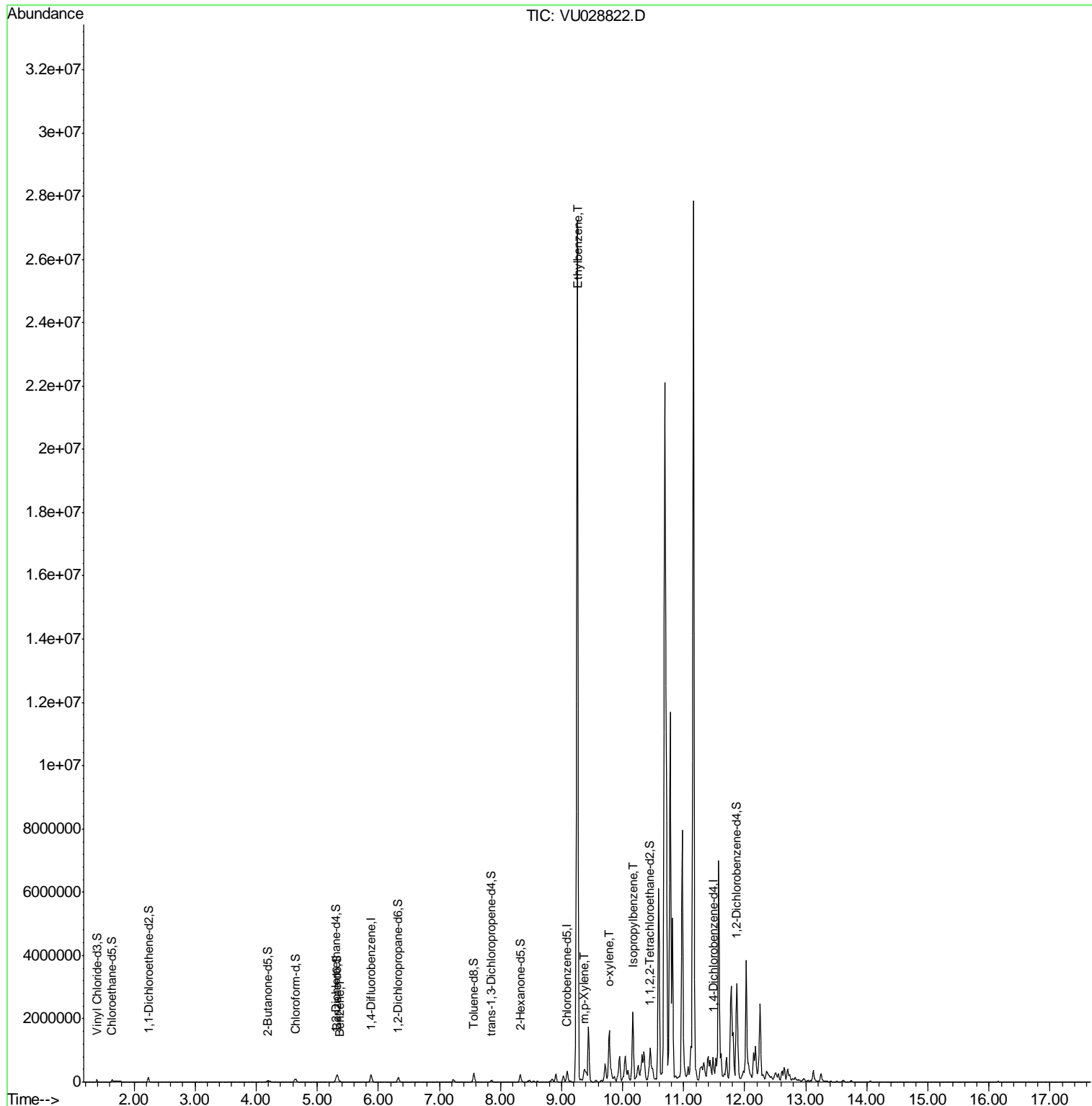
(#) = qualifier out of range (m) = manual integration (+) = signals summed

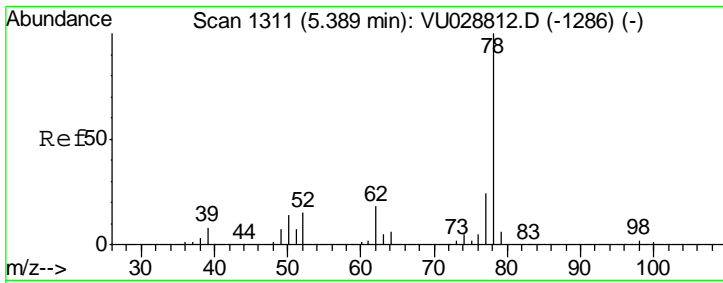
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028822.D
 Acq On : 20 Dec 2018 14:17
 Operator : MD/SY
 Sample : J6441-11
 Misc : 5.90g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 BF024

Manual Integrations
 APPROVED
 MMDadoda
 1/7/2019 10:17:06 AM

Quant Time: Dec 31 04:04:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 03:50:07 2018
 Response via : Initial Calibration



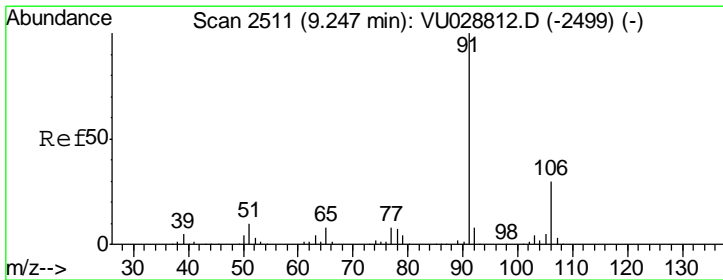
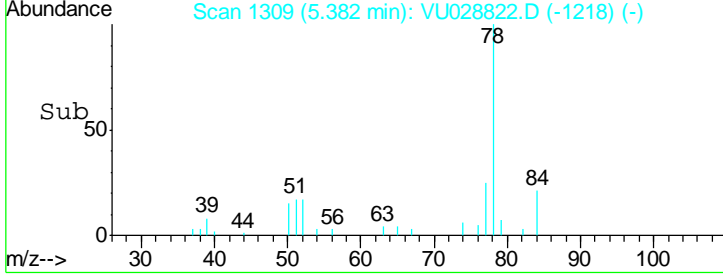
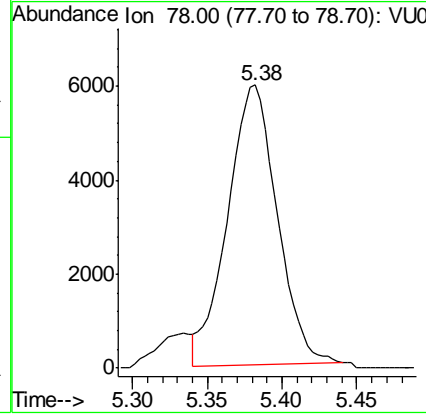
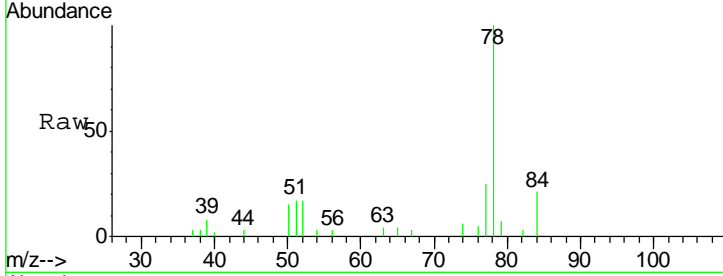


#33
Benzene
Concen: 2.057 ug/L
RT: 5.38 min Scan# 1309
Delta R.T. -0.01 min
Lab File: VU028822.D
Acq: 20 Dec 2018 14:17

Instrument : MSVOA_U
ClientSampled : BF024

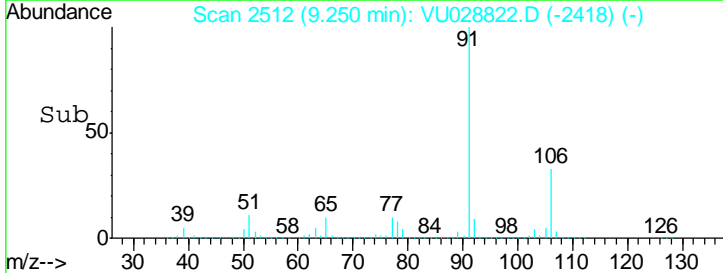
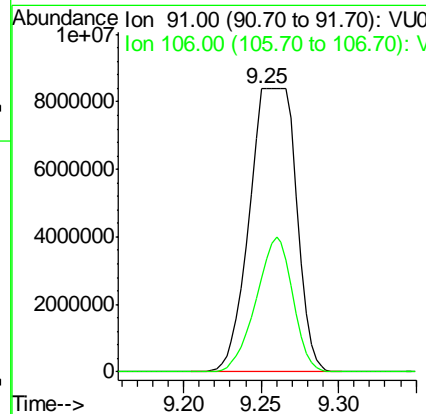
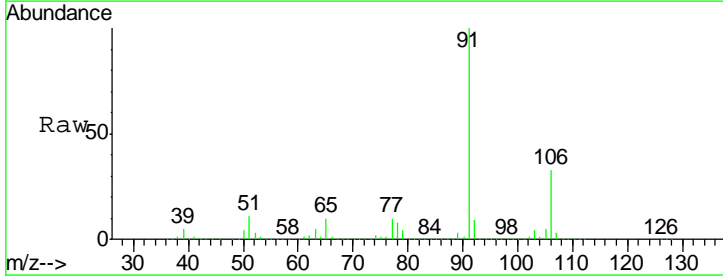
Tgt Ion: 78 Resp: 13739

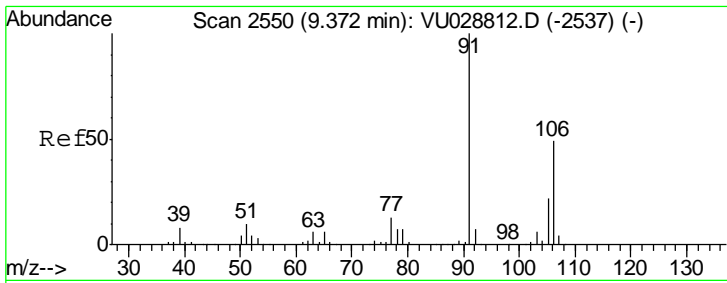
Manual Integrations APPROVED
MMDadoda
1/7/2019 10:17:06 AM



#52
Ethylbenzene
Concen: 2418.249 ug/L m
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028822.D
Acq: 20 Dec 2018 14:17

Tgt Ion: 91 Resp: 17595982
Ion Ratio Lower Upper
91 100
106 33.2 20.9 38.9



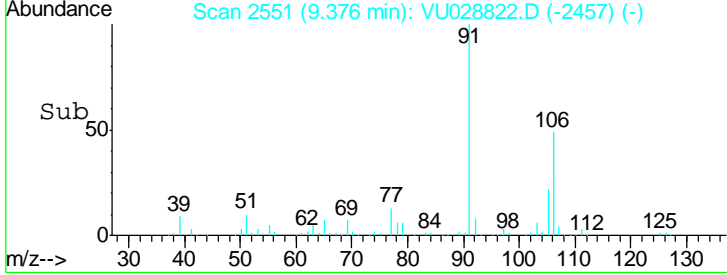
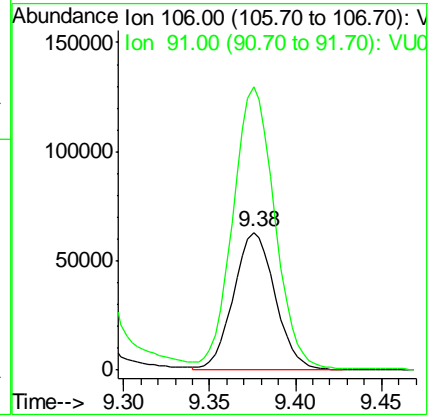
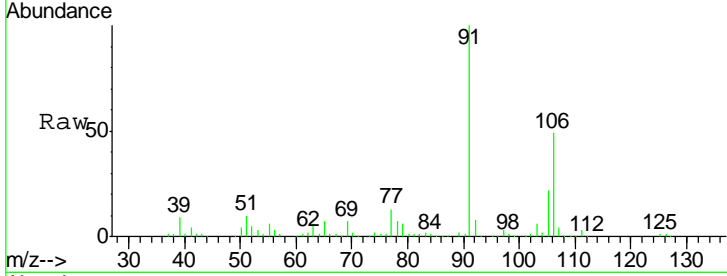


#53
 m,p-Xylene
 Concen: 39.101 ug/L
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU028822.D
 Acq: 20 Dec 2018 14:17

Instrument :
 MSVOA_U
ClientSampled :
 BF024

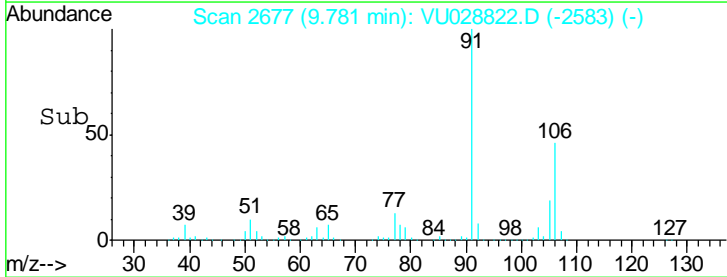
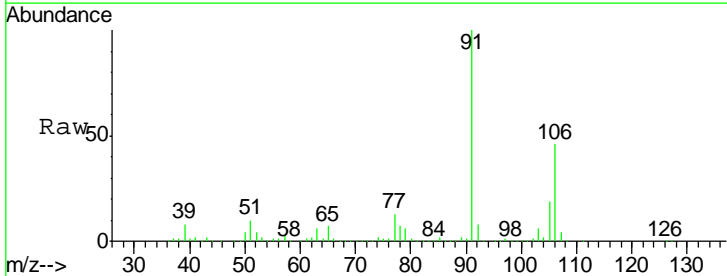
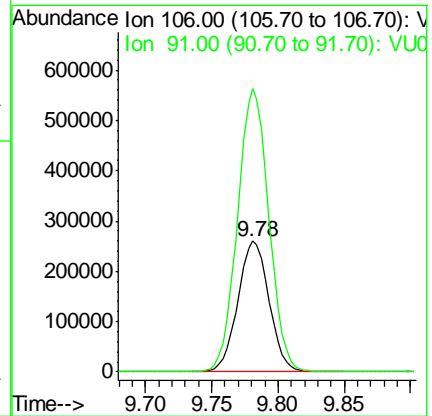
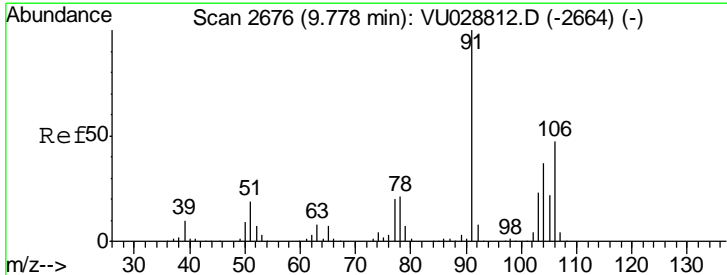
Tgt Ion:106 Resp: 105208
 Ion Ratio Lower Upper
 106 100
 91 205.6 144.1 267.5

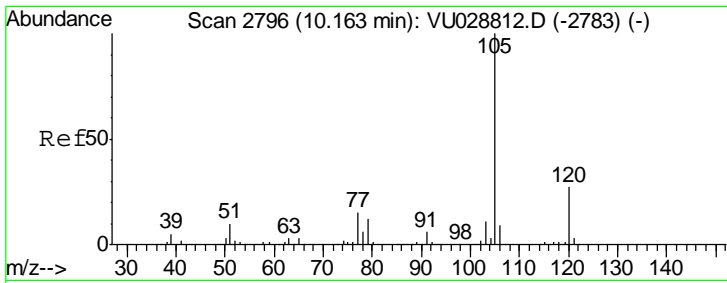
Manual Integrations
APPROVED
 MMDadoda
 1/7/2019 10:17:06 AM



#54
 o-xylene
 Concen: 157.417 ug/L
 RT: 9.78 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VU028822.D
 Acq: 20 Dec 2018 14:17

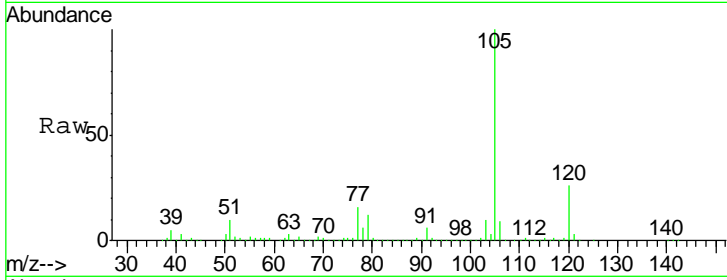
Tgt Ion:106 Resp: 424519
 Ion Ratio Lower Upper
 106 100
 91 216.9 150.4 279.4





#56
 Isopropylbenzene
 Concen: 209.071 ug/L
 RT: 10.17 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: VU028822.D
 Acq: 20 Dec 2018 14:17

Instrument : MSVOA_U
 ClientSampled : BF024



Tgt Ion:105 Resp: 1430287

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100 | | |
| 120 | 26.5 | 21.4 | 32.2 |
| 77 | 15.6 | 12.3 | 18.5 |

Manual Integrations
APPROVED
 MMDadoda
 1/7/2019 10:17:06 AM

