

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV061120\  
 Data File : VV016851.D  
 Acq On : 12 Jun 2020 01:10  
 Operator : SY/MD  
 Sample : L2915-12DL 200X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9E20DL

Manual Integrations  
 APPROVED

MMDadoda  
 6/12/2020 3:36:27 PM

Quant Time: Jun 12 07:07:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 12 05:55:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 376424   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 350669   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 168253   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 113427   | 42.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.40% |
| 7) Chloroethane-d5             | 1.56    | 69    | 60923    | 38.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 76.46% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 148152   | 33.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.44% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 170961   | 86.96    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.96% |
| 24) Chloroform-d               | 4.37    | 84    | 224305   | 41.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.06% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 165366   | 45.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.02% |
| 32) Benzene-d6                 | 5.07    | 84    | 444478   | 43.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.94% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 137762   | 43.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.44% |
| 41) Toluene-d8                 | 7.34    | 98    | 405495   | 43.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.42% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65914    | 40.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.32% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 100704   | 73.31    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 73.31% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 172341   | 41.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.64% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 164873   | 45.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.84% |

| Target Compounds |      |     |         |         | Qvalue   |
|------------------|------|-----|---------|---------|----------|
| 29) Cyclohexane  | 4.69 | 56  | 4450m   | 1.021   | ug/L     |
| 33) Benzene      | 5.12 | 78  | 1181765 | 113.902 | ug/L 100 |
| 42) Toluene      | 7.41 | 91  | 79026   | 7.225   | ug/L 98  |
| 52) Ethylbenzene | 9.03 | 91  | 108545  | 8.960   | ug/L 98  |
| 53) m,p-Xylene   | 9.16 | 106 | 6506    | 1.442   | ug/L 95  |
| 54) o-xylene     | 9.57 | 106 | 11600   | 2.608   | ug/L 99  |

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

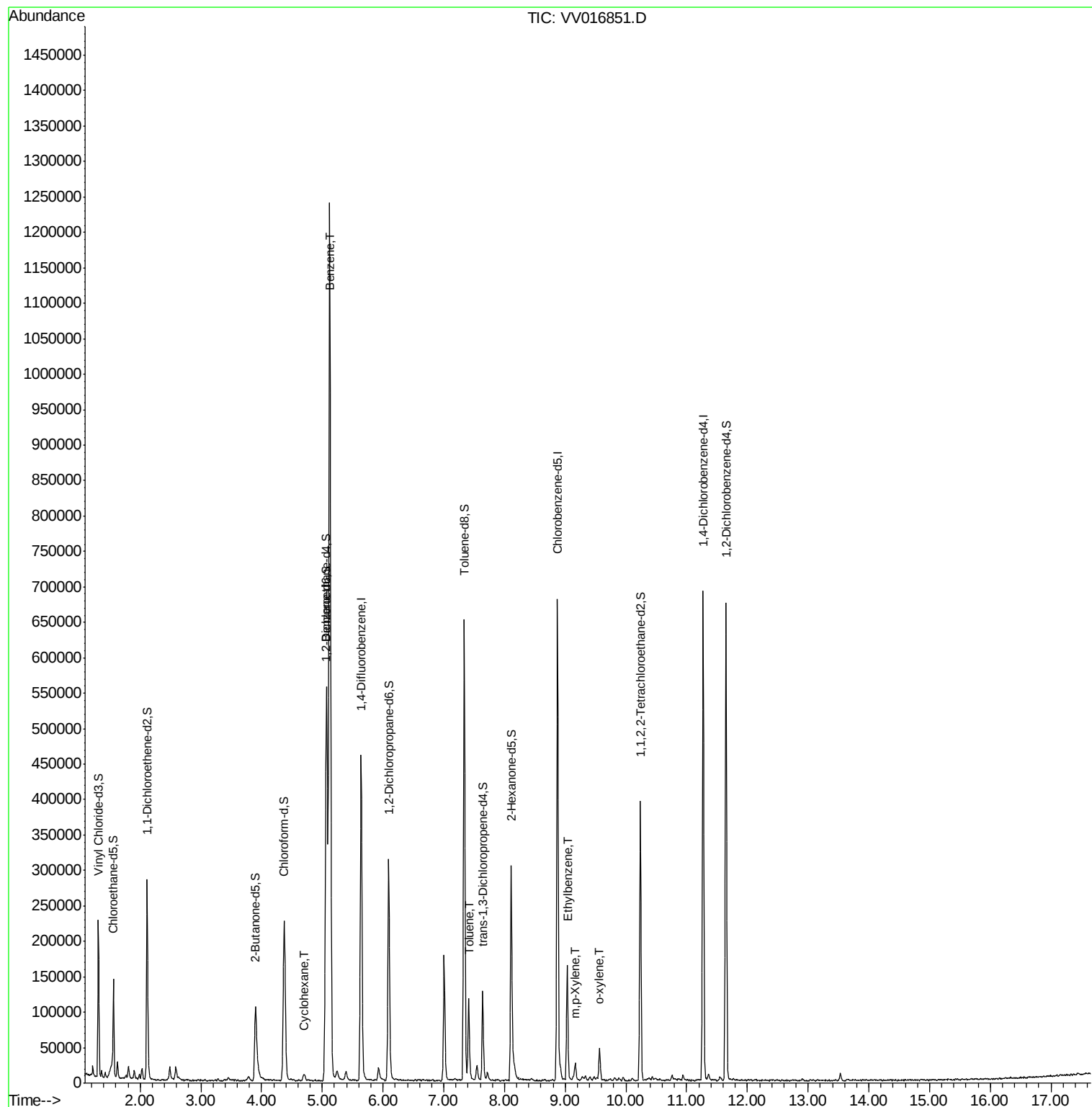
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV061120\  
Data File : VV016851.D  
Acq On : 12 Jun 2020 01:10  
Operator : SY/MD  
Sample : L2915-12DL 200X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 42 Sample Multiplier: 1

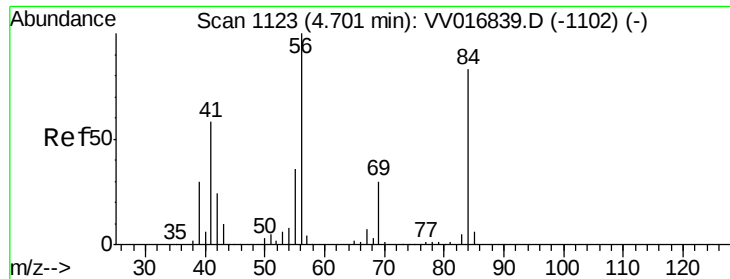
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Time: Jun 12 07:07:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 12 05:55:11 2020  
Response via : Initial Calibration





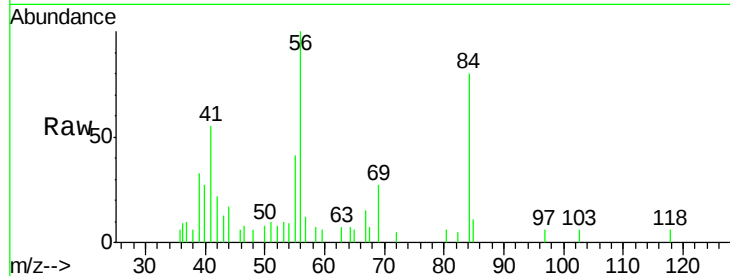
#29  
Cyclohexane  
Concen: 1.021 ug/L m  
RT: 4.69 min Scan# 1121  
Delta R.T. -0.01 min  
Lab File: VV016851.D  
Acq: 12 Jun 2020 01:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9E20DL

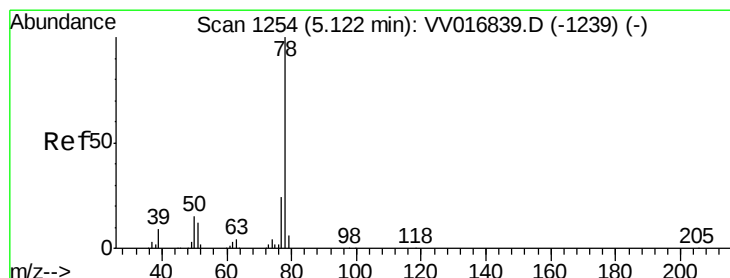
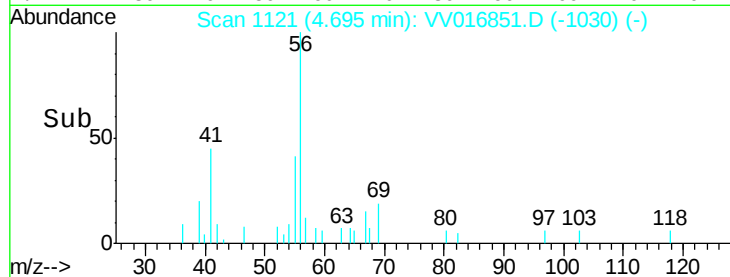
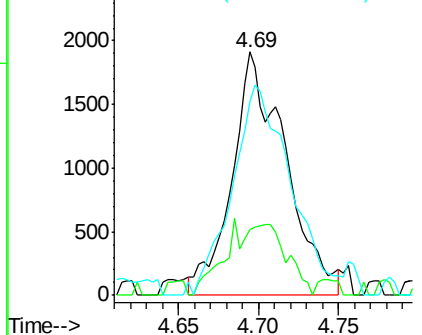
Tgt Ion: 56 Resp: 4450  
Ion Ratio Lower Upper  
56 100  
69 8.7 25.0 37.4#  
84 94.1 69.5 104.3

Manual Integrations  
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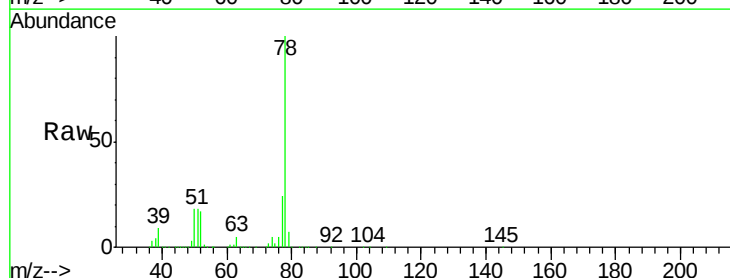


Abundance Ion 56.00 (55.70 to 56.70): VV0  
Ion 69.00 (68.70 to 69.70): VV0  
Ion 84.00 (83.70 to 84.70): VV0

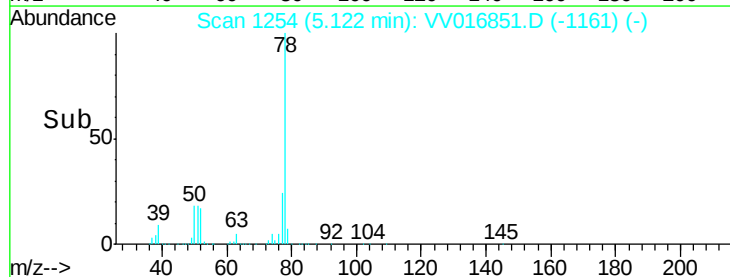
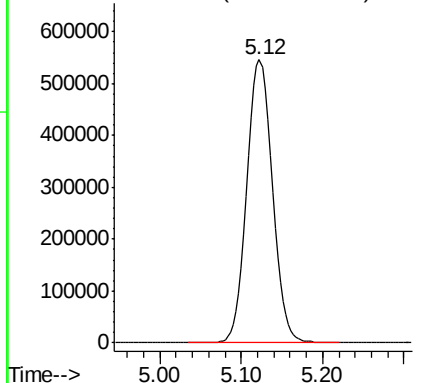


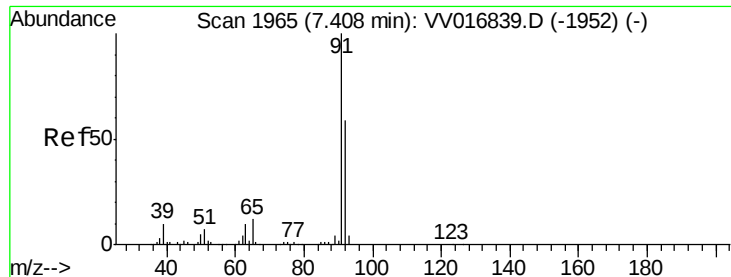
#33  
Benzene  
Concen: 113.902 ug/L  
RT: 5.12 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: VV016851.D  
Acq: 12 Jun 2020 01:10

Tgt Ion: 78 Resp: 1181765



Abundance Ion 78.00 (77.70 to 78.70): VV0





#42

Toluene

Concen: 7.225 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016851.D

Acq: 12 Jun 2020 01:10

Instrument :

MSVOA\_V

ClientSampled :

F9E20DL

Tgt Ion: 91 Resp: 79026

Ion Ratio Lower Upper

91 100

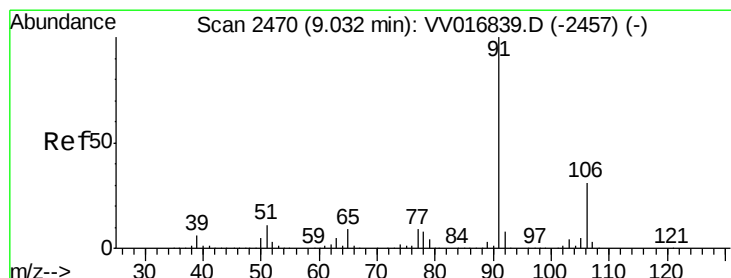
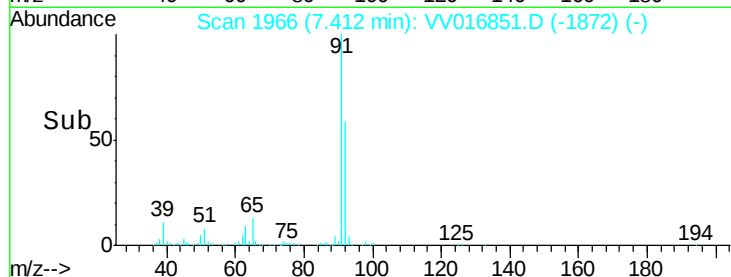
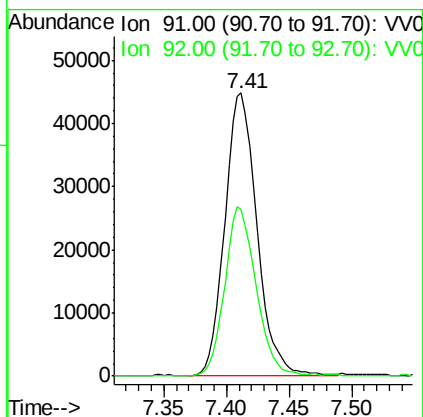
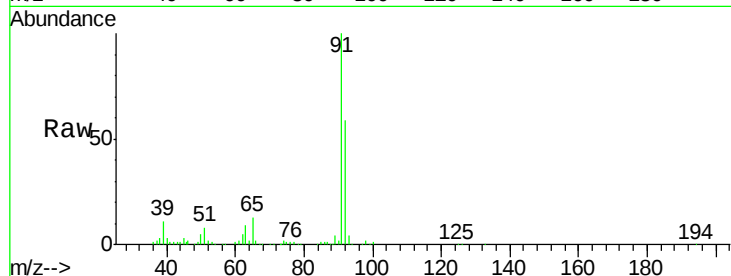
92 59.1 40.4 75.0

Manual Integrations

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#52

Ethylbenzene

Concen: 8.960 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016851.D

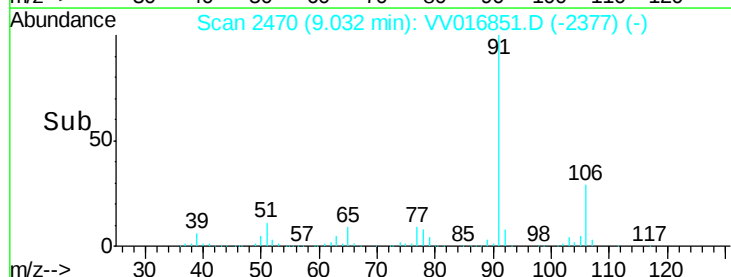
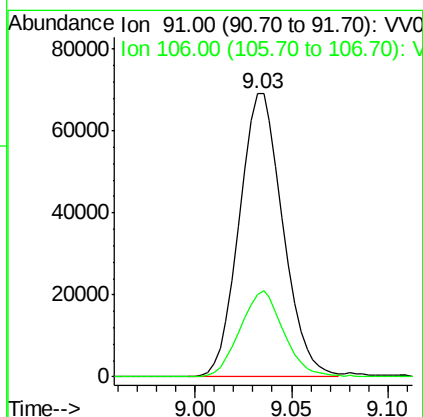
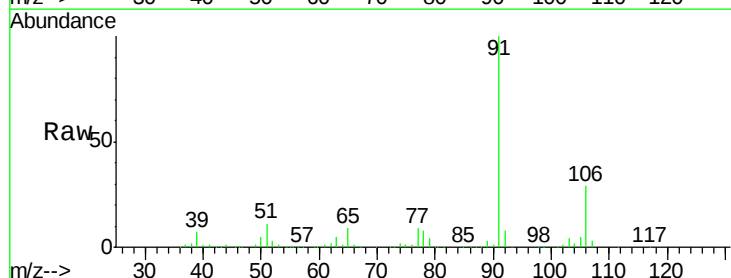
Acq: 12 Jun 2020 01:10

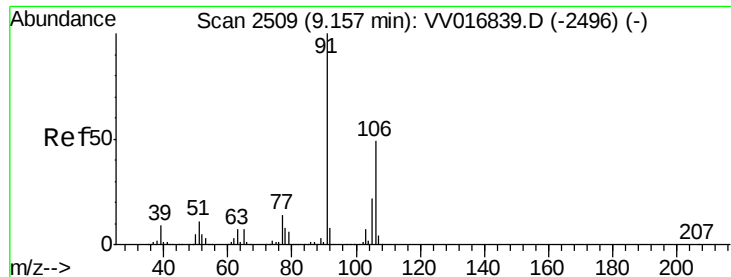
Tgt Ion: 91 Resp: 108545

Ion Ratio Lower Upper

91 100

106 29.2 21.1 39.1





#53

m,p-Xylene

Concen: 1.442 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016851.D

Acq: 12 Jun 2020 01:10

Instrument :

MSVOA\_V

ClientSampleId :

F9E20DL

Tgt Ion:106 Resp: 6506

Ion Ratio Lower Upper

106 100

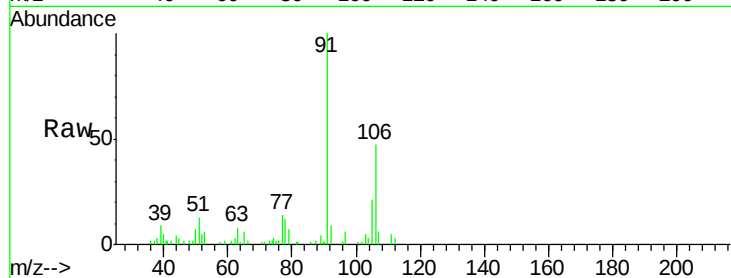
91 214.6 144.6 268.6

Manual Integrations

APPROVED

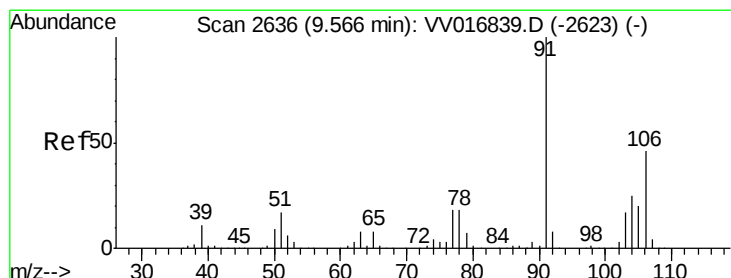
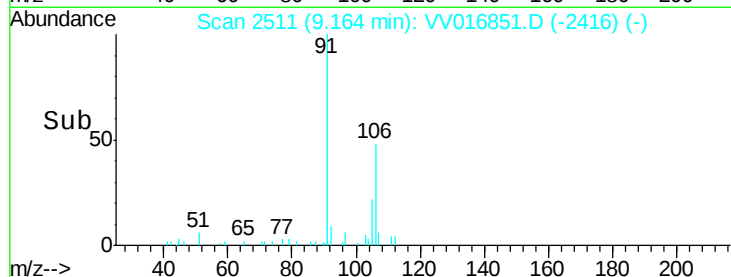
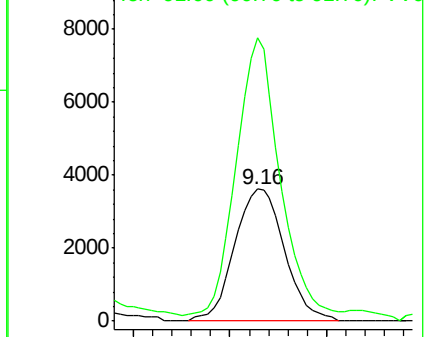
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6/12/2020 3:36:27 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.608 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016851.D

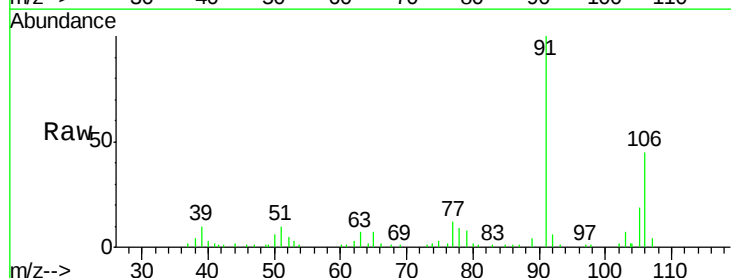
Acq: 12 Jun 2020 01:10

Tgt Ion:106 Resp: 11600

Ion Ratio Lower Upper

106 100

91 220.7 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

