

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV061120\  
 Data File : VV016860.D  
 Acq On : 12 Jun 2020 04:44  
 Operator : SY/MD  
 Sample : L2915-05DL 500X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9E09DL

Manual Integrations  
 APPROVED

MMDadoda  
 6/12/2020 3:36:52 PM

Quant Time: Jun 12 08:04:53 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  | 351947   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 328345   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 159425   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 106596   | 42.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.84%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 75962    | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.96% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 143753   | 34.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.94%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 166728   | 90.71    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.71%  |
| 24) Chloroform-d               | 4.37    | 84    | 223167   | 44.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.38%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 163213   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.04%  |
| 32) Benzene-d6                 | 5.07    | 84    | 440518   | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.08%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 133908   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.78%  |
| 41) Toluene-d8                 | 7.34    | 98    | 395314   | 45.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.02%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 64392    | 41.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.80%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 95687    | 74.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 74.39%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 167285   | 42.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 165306   | 48.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.18%  |

| Target Compounds |      |     |        |        | Qvalue   |
|------------------|------|-----|--------|--------|----------|
| 29) Cyclohexane  | 4.70 | 56  | 2446m  | 0.599  | ug/L     |
| 33) Benzene      | 5.12 | 78  | 954894 | 98.293 | ug/L 100 |
| 42) Toluene      | 7.41 | 91  | 27454  | 2.681  | ug/L 99  |
| 52) Ethylbenzene | 9.04 | 91  | 58232  | 5.134  | ug/L 100 |
| 53) m,p-Xylene   | 9.16 | 106 | 5208   | 1.233  | ug/L 90  |
| 54) o-xylene     | 9.57 | 106 | 5299   | 1.272  | ug/L 89  |

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

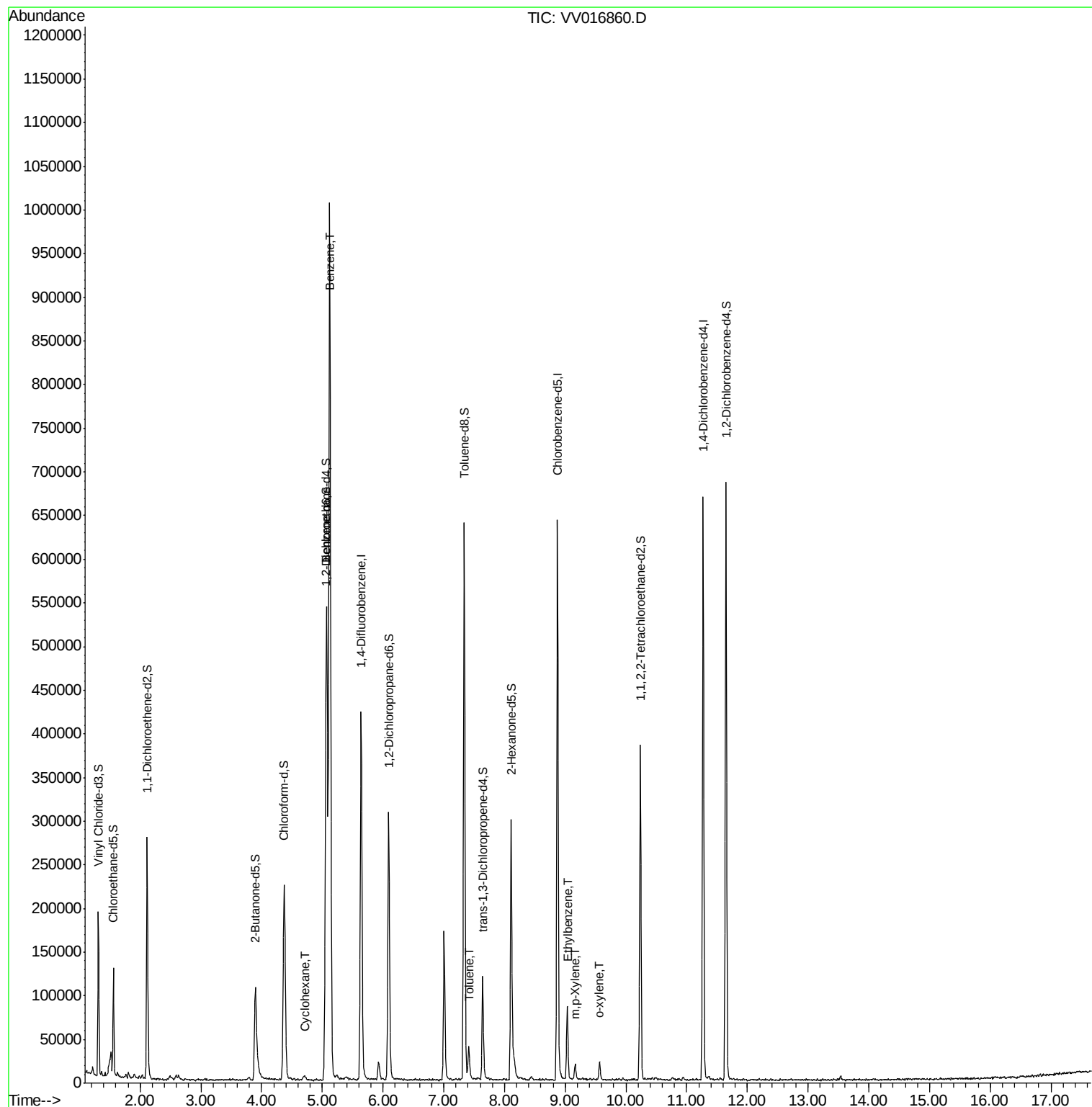
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV061120\  
Data File : VV016860.D  
Acq On : 12 Jun 2020 04:44  
Operator : SY/MD  
Sample : L2915-05DL 500X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 51 Sample Multiplier: 1

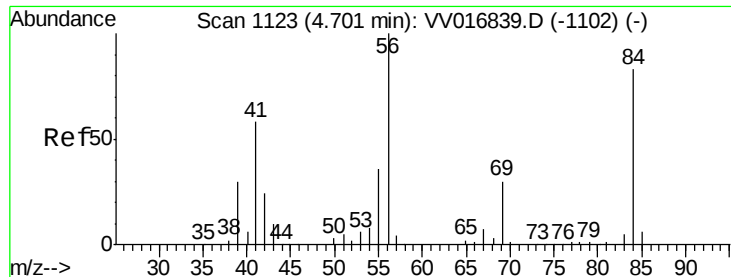
Instrument :  
MSVOA\_V  
ClientSampleId :  
F9E09DL

Manual Integrations  
APPROVED

MMDadoda  
6/12/2020 3:36:52 PM

Quant Time: Jun 12 08:04:53 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





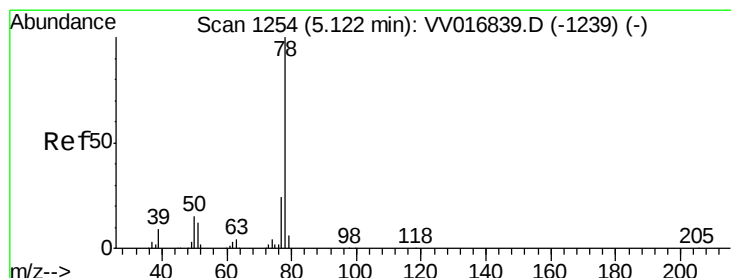
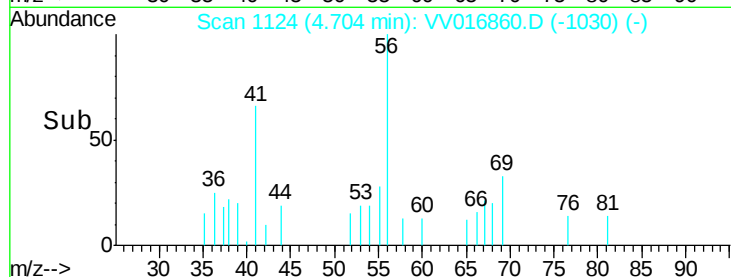
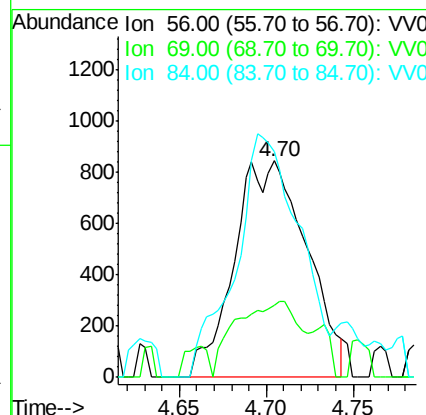
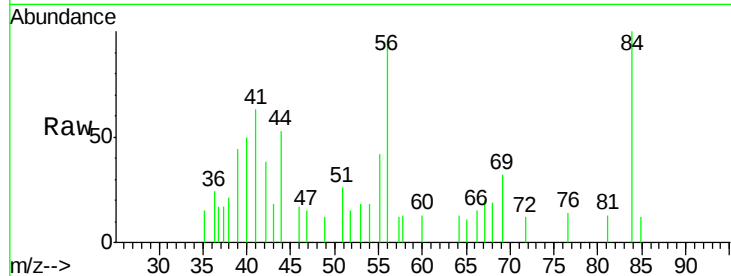
#29  
Cyclohexane  
Concen: 0.599 ug/L m  
RT: 4.70 min Scan# 1124  
Delta R.T. 0.00 min  
Lab File: VV016860.D  
Acq: 12 Jun 2020 04:44

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9E09DL

Tgt Ion: 56 Resp: 2446  
Ion Ratio Lower Upper  
56 100  
69 2.7 25.0 37.4#  
84 99.6 69.5 104.3

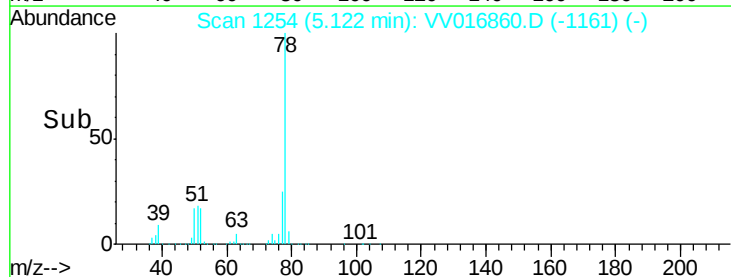
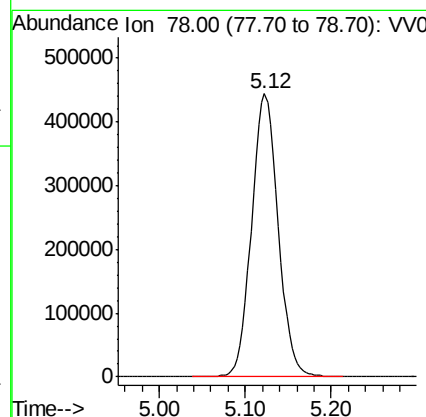
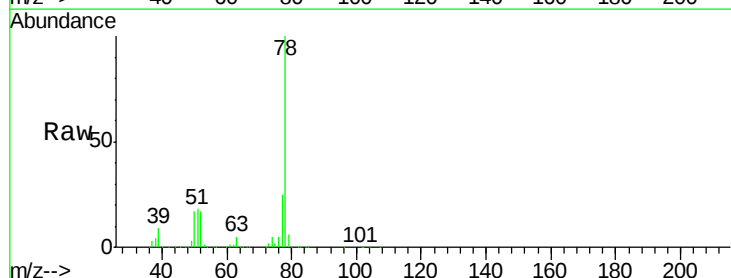
Manual Integrations  
APPROVED

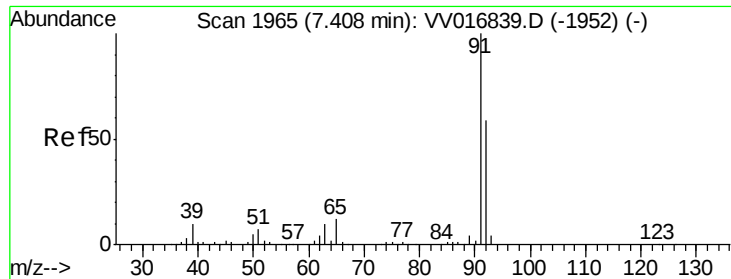
MMDadoda  
6/12/2020 3:36:52 PM



#33  
Benzene  
Concen: 98.293 ug/L  
RT: 5.12 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: VV016860.D  
Acq: 12 Jun 2020 04:44

Tgt Ion: 78 Resp: 954894





#42

Toluene

Concen: 2.681 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016860.D

Acq: 12 Jun 2020 04:44

Instrument :

MSVOA\_V

ClientSampleId :

F9E09DL

Tgt Ion: 91 Resp: 27454

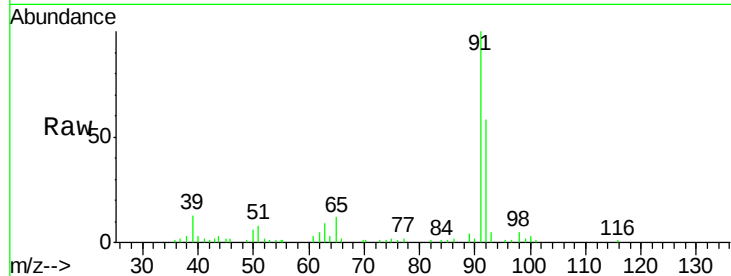
Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0

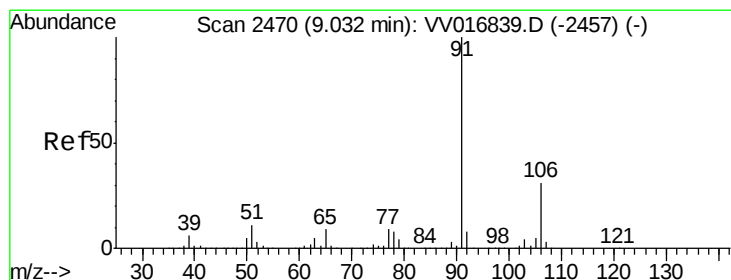
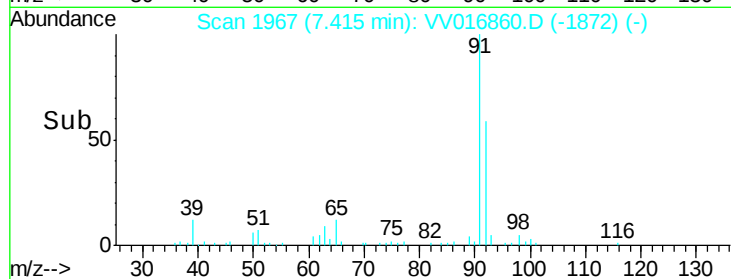
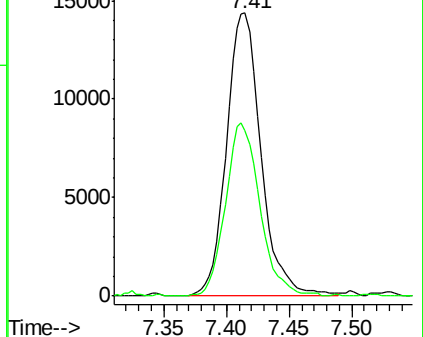
Manual Integrations  
APPROVED

MMDadoda  
6/12/2020 3:36:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VV016839.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016839.D (-1952) (-)



#52

Ethylbenzene

Concen: 5.134 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016860.D

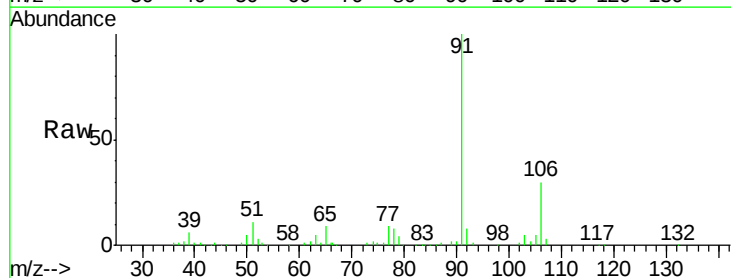
Acq: 12 Jun 2020 04:44

Tgt Ion: 91 Resp: 58232

Ion Ratio Lower Upper

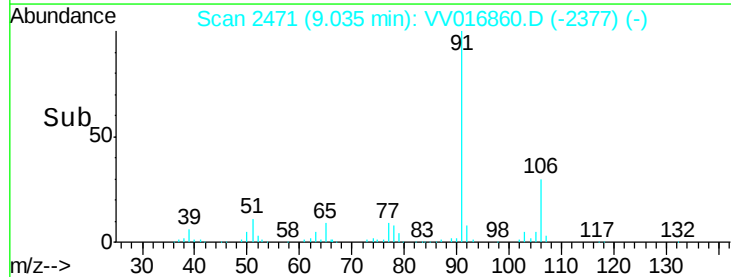
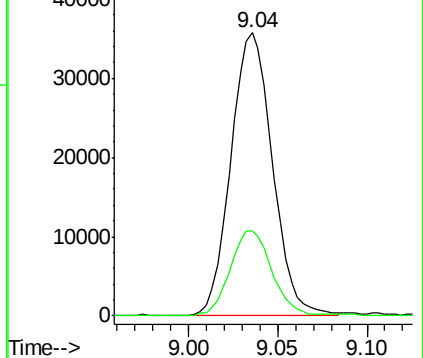
91 100

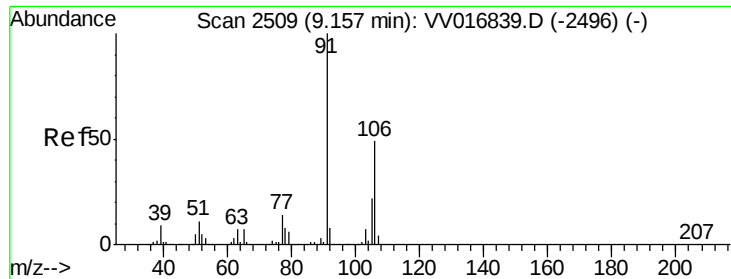
106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016839.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV016839.D (-2457) (-)





#53

m,p-Xylene

Concen: 1.233 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016860.D

Acq: 12 Jun 2020 04:44

Instrument :

MSVOA\_V

ClientSampled :

F9E09DL

Tgt Ion:106 Resp: 5208

Ion Ratio Lower Upper

106 100

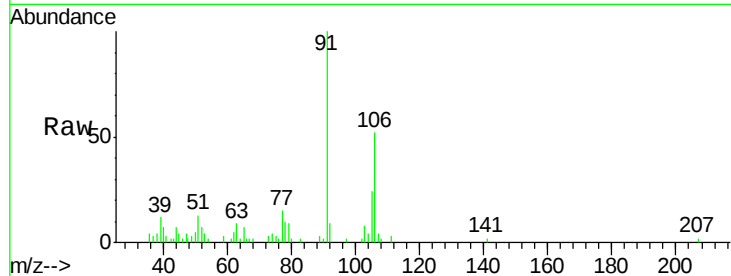
91 191.1 144.6 268.6

Manual Integrations

APPROVED

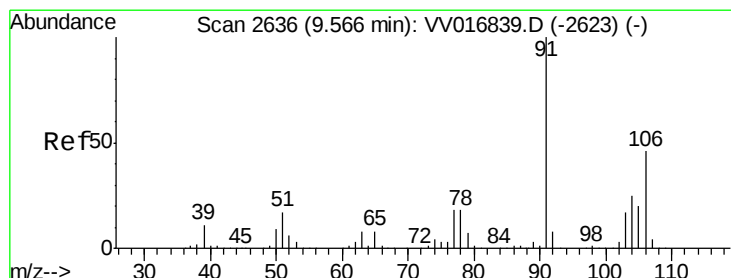
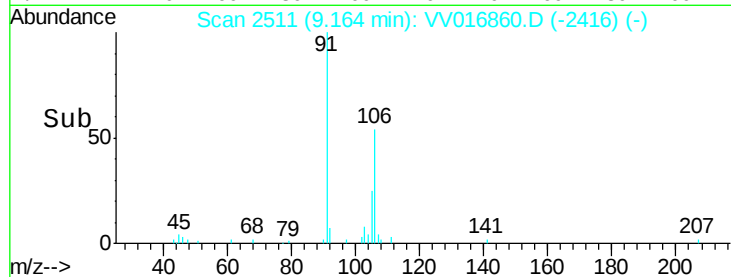
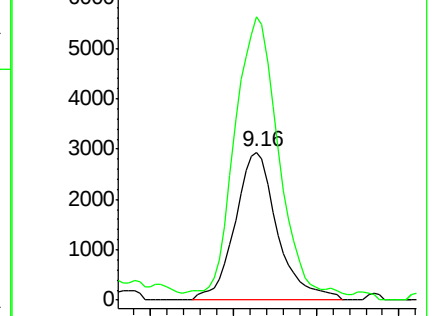
MMDadoda

6/12/2020 3:36:52 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.272 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016860.D

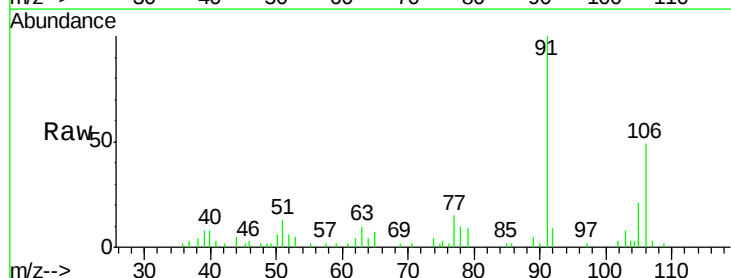
Acq: 12 Jun 2020 04:44

Tgt Ion:106 Resp: 5299

Ion Ratio Lower Upper

106 100

91 204.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

