

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
 Data File : VV016884.D  
 Acq On : 12 Jun 2020 17:24  
 Operator : SY/MD  
 Sample : L2915-08 50X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9E16

Quant Time: Jun 13 03:20:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 13 03:02:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 357343   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 342483   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 178545   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 93370    | 37.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.06% |
| 7) Chloroethane-d5             | 1.56    | 69    | 69898    | 46.20    | ug/L | -0.02  |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.40% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 135473   | 32.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.00% |
| 21) 2-Butanone-d5              | 3.89    | 46    | 164573   | 88.18    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.18% |
| 24) Chloroform-d               | 4.37    | 84    | 219981   | 42.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.82% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 162787   | 46.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.36% |
| 32) Benzene-d6                 | 5.07    | 84    | 428523   | 43.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.82% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 134186   | 43.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.20% |
| 41) Toluene-d8                 | 7.34    | 98    | 394571   | 43.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.10% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 69411    | 43.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.62% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 103582   | 77.20    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 178960   | 43.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.86% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 178609   | 46.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.76% |

## Target Compounds

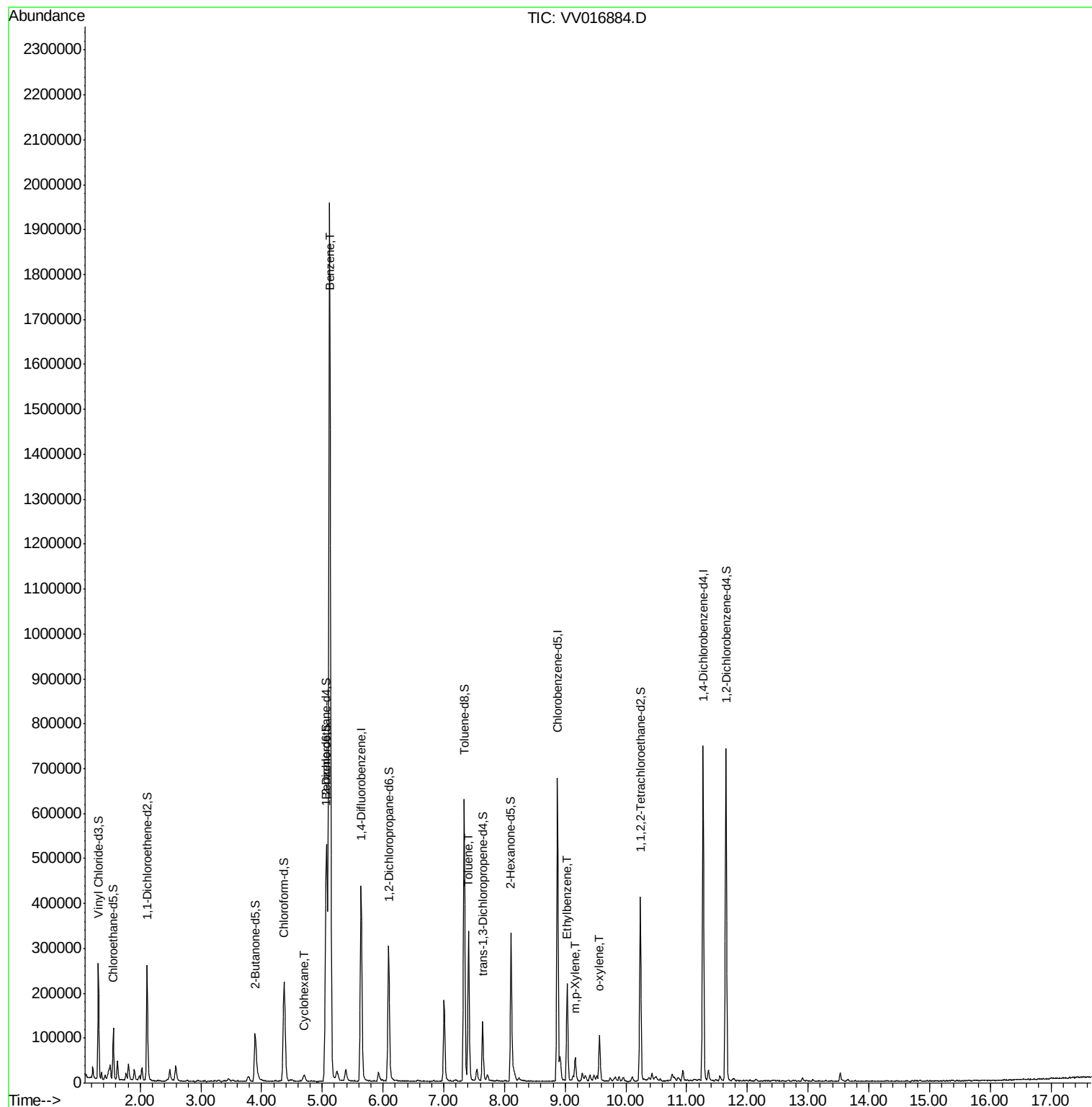
|                  |      |     |         |              | Ovalue |
|------------------|------|-----|---------|--------------|--------|
| 29) Cyclohexane  | 4.70 | 56  | 7268    | 1.708 ug/L   | # 86   |
| 33) Benzene      | 5.12 | 78  | 1875335 | 185.070 ug/L | 100    |
| 42) Toluene      | 7.41 | 91  | 231625  | 21.683 ug/L  | 100    |
| 52) Ethylbenzene | 9.03 | 91  | 148038  | 12.512 ug/L  | 99     |
| 53) m,p-Xylene   | 9.16 | 106 | 13101   | 2.974 ug/L   | 88     |
| 54) o-xylene     | 9.57 | 106 | 25874   | 5.955 ug/L   | 96     |

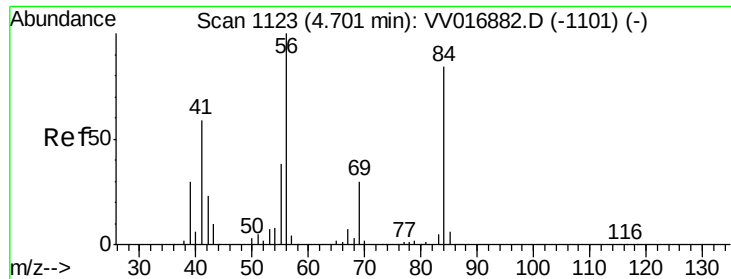
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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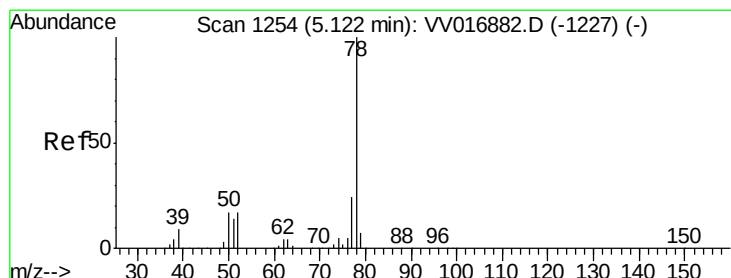
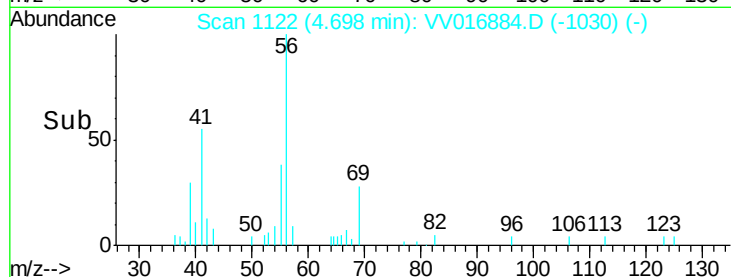
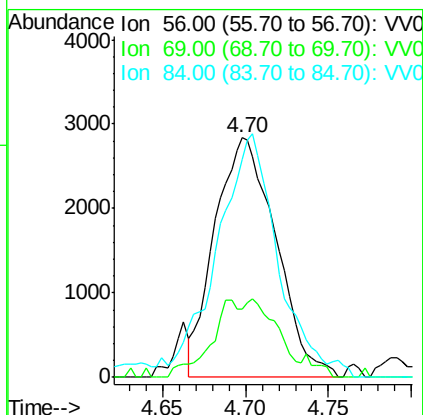
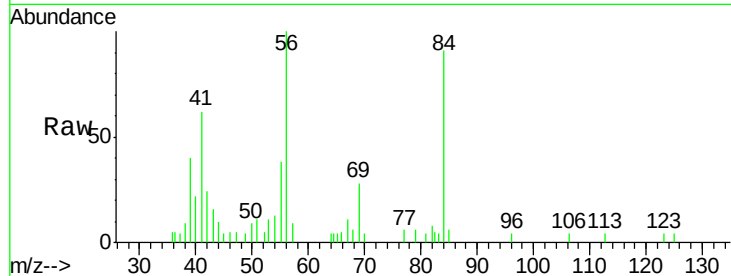




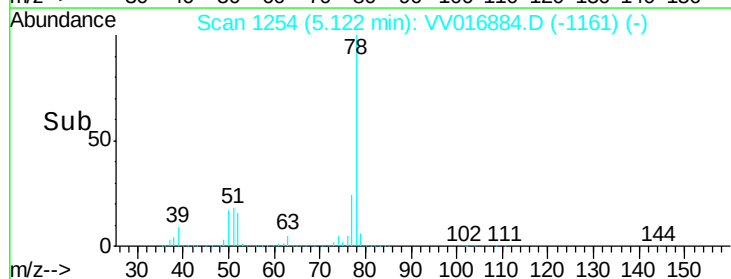
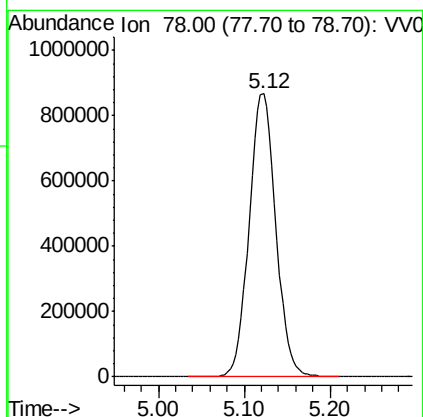
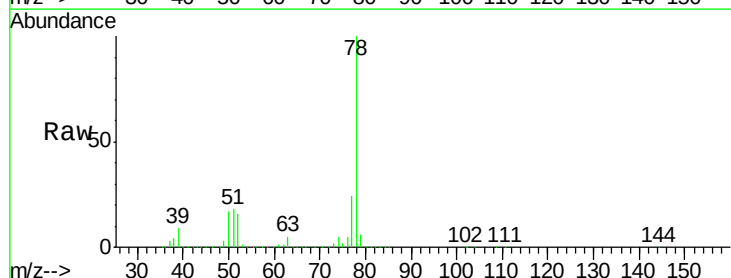
#29  
Cyclohexane  
Concen: 1.708 ug/L  
RT: 4.70 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: VV016884.D  
Acq: 12 Jun 2020 17:24

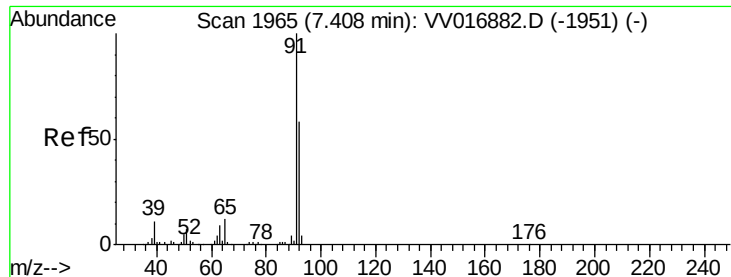
Instrument :  
MSVOA\_V  
ClientSampleId :  
F9E16

Tot Ion: 56 Resp: 7268  
Ion Ratio Lower Upper  
56 100  
69 11.1 25.0 37.4#  
84 81.7 69.5 104.3



#33  
Benzene  
Concen: 185.070 ug/L  
RT: 5.12 min Scan# 1254  
Delta R.T. -0.00 min  
Lab File: VV016884.D  
Acq: 12 Jun 2020 17:24  
Tgt Ion: 78 Resp: 1875335





#42

Toluene

Concen: 21.683 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016884.D

Acq: 12 Jun 2020 17:24

Instrument :

MSVOA\_V

ClientSampleId :

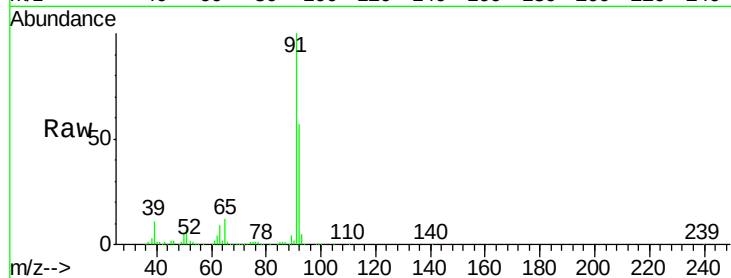
F9E16

Tot Ion: 91 Resp: 231625

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

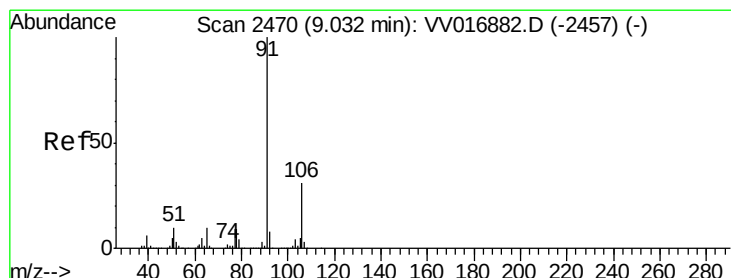
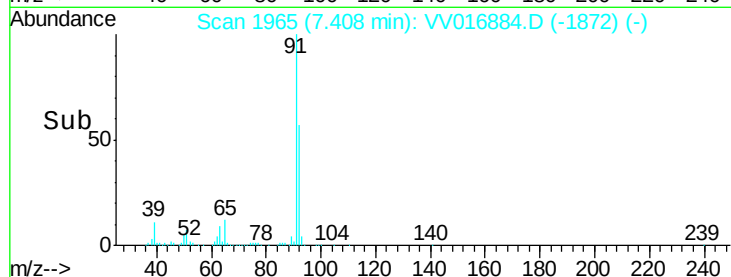
150000

100000

50000

0

Time-->



#52

Ethylbenzene

Concen: 12.512 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016884.D

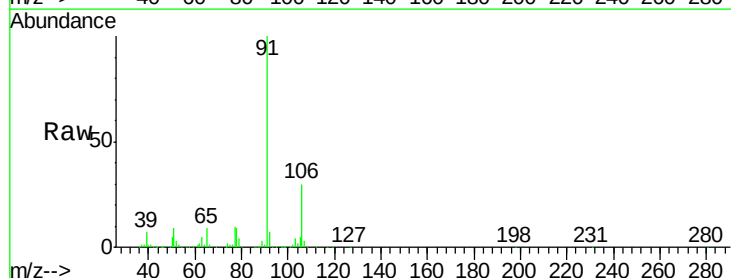
Acq: 12 Jun 2020 17:24

Tgt Ion: 91 Resp: 148038

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

9.03

100000

80000

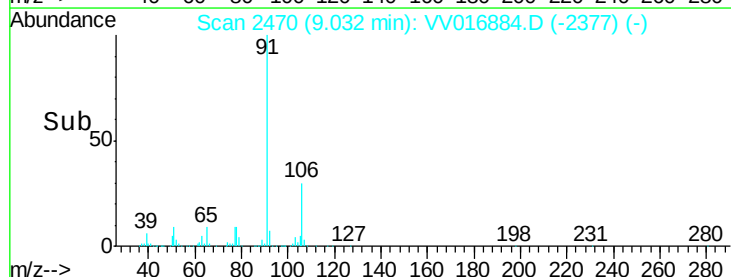
60000

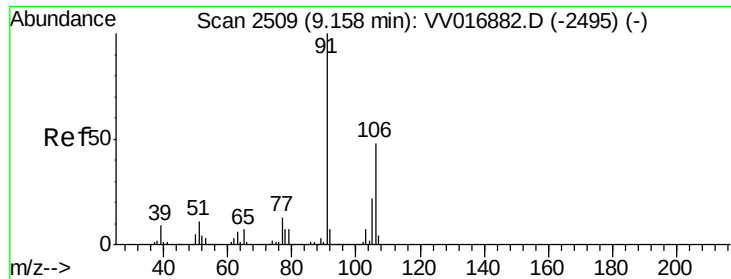
40000

20000

0

Time-->





#53

m,p-Xylene

Concen: 2.974 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016884.D

Acq: 12 Jun 2020 17:24

Instrument :

MSVOA\_V

ClientSampleId :

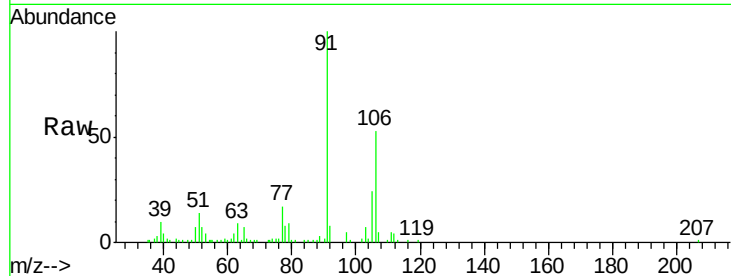
F9E16

Tot Ion:106 Resp: 13101

Ion Ratio Lower Upper

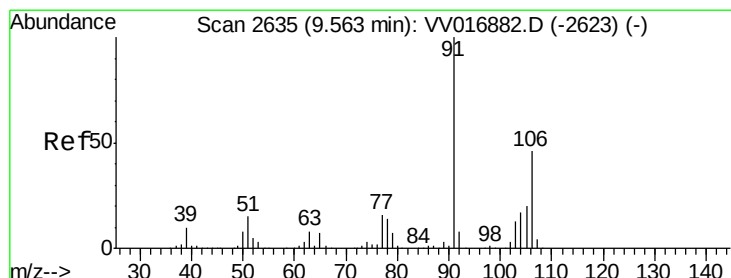
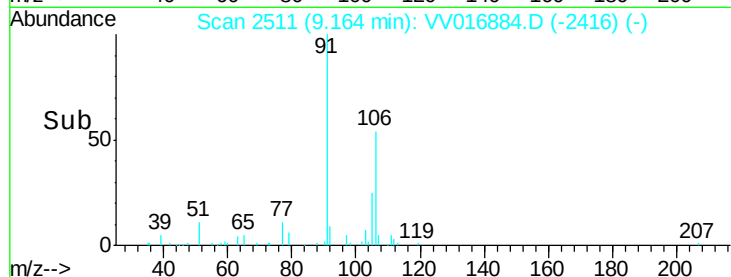
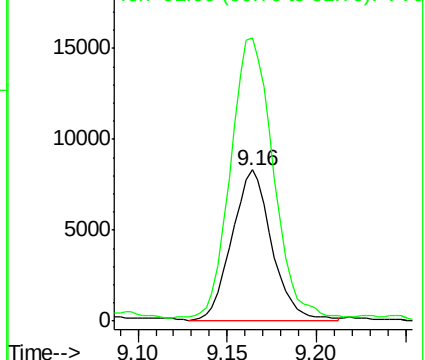
106 100

91 187.5 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 5.955 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016884.D

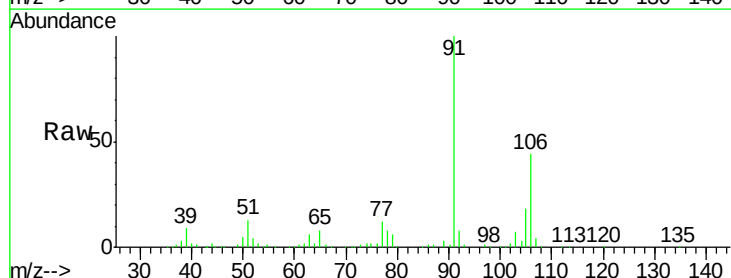
Acq: 12 Jun 2020 17:24

Tgt Ion:106 Resp: 25874

Ion Ratio Lower Upper

106 100

91 229.9 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

