

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\  
 Data File : VV018505.D  
 Acq On : 28 Sep 2020 19:51  
 Operator : SY/MD  
 Sample : L4109-16  
 Misc : 6.18g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3X7

Quant Time: Sep 29 04:12:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 29 02:08:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 365158   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.88  | 117  | 357054   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.28 | 152  | 182227   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 96924    | 32.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 65.14%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 80231    | 32.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 65.90%# |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 138665   | 25.40    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.80%# |
| 21) 2-Butanone-d5              | 3.94    | 46    | 131414   | 72.15    | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 72.15%  |
| 24) Chloroform-d               | 4.37    | 84    | 196544   | 38.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 76.14%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 132289   | 39.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.94%  |
| 32) Benzene-d6                 | 5.07    | 84    | 412826   | 40.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.78%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 134798   | 41.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.00%  |
| 41) Toluene-d8                 | 7.34    | 98    | 375608   | 40.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.64%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65041    | 39.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.82%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 101800   | 82.75    | ug/L | 0.04    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.75%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 166987   | 40.96    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 162903   | 43.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.06%  |

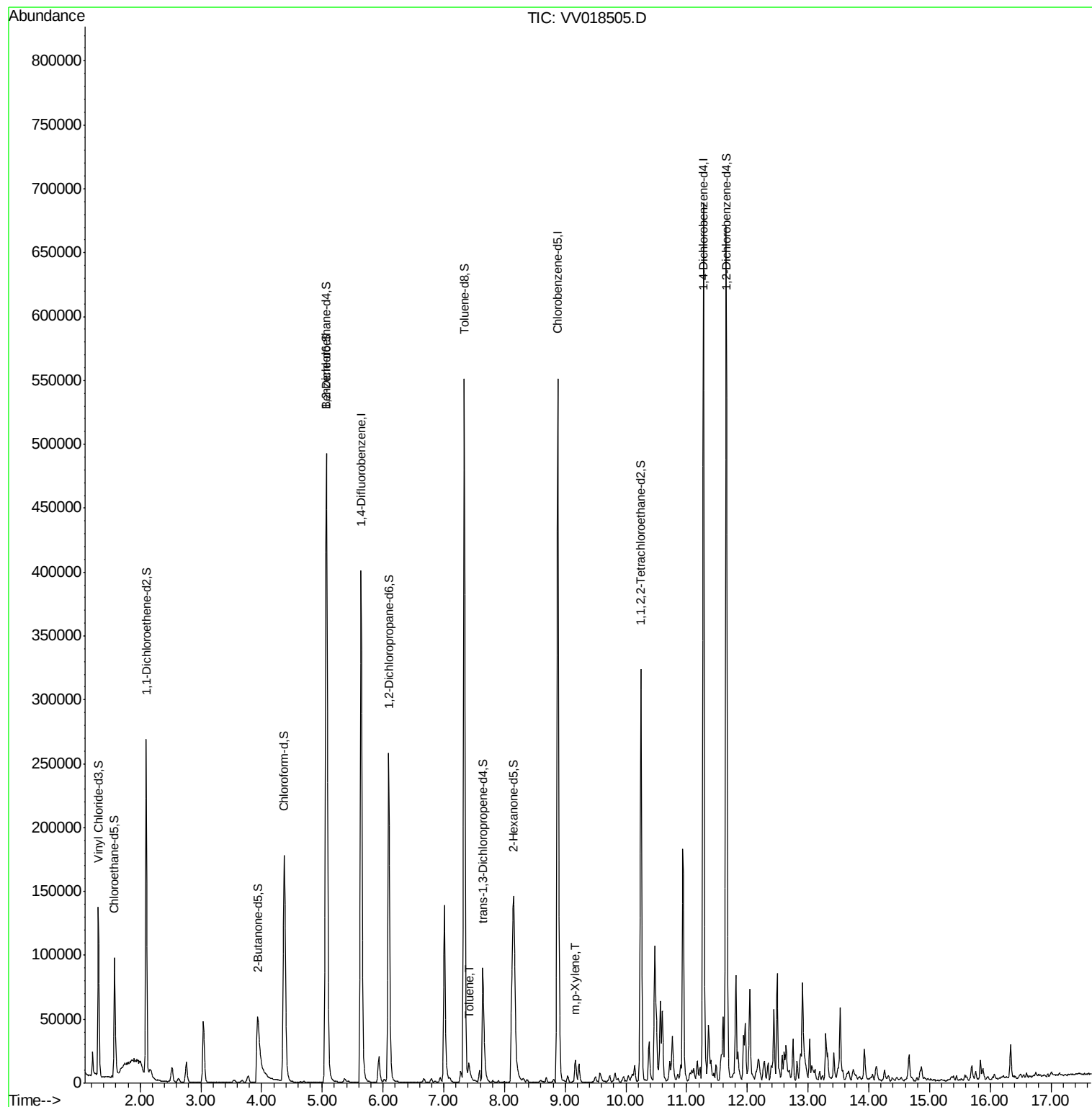
| Target Compounds |      |     |       |            | Ovalue |
|------------------|------|-----|-------|------------|--------|
| 42) Toluene      | 7.41 | 91  | 11406 | 1.056 ug/L | 98     |
| 53) m,p-Xylene   | 9.16 | 106 | 5364  | 1.218 ug/L | 96     |

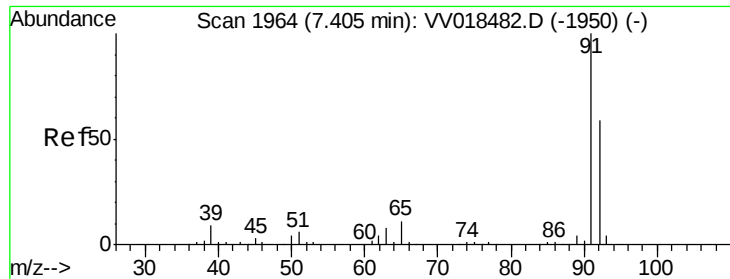
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 29 02:08:34 2020  
Response via : Initial Calibration





#42

Toluene

Concen: 1.056 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018505.D

Acq: 28 Sep 2020 19:51

Instrument :

MSVOA\_V

ClientSampleId :

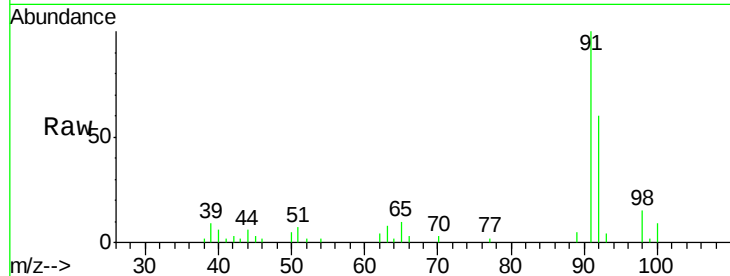
BG3X7

Tot Ion: 91 Resp: 11406

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV018482.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV018482.D (-1950) (-)

7.41

6000

5000

4000

3000

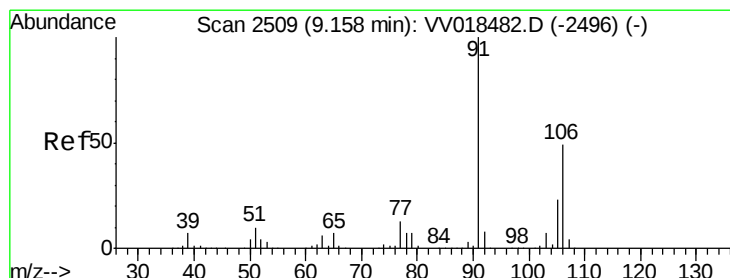
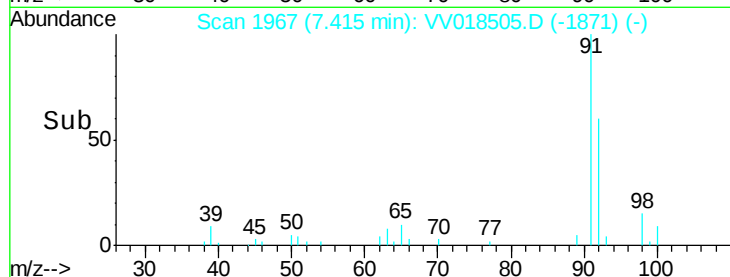
2000

1000

0

7.35 7.40 7.45

Time-->



#53

m,p-Xylene

Concen: 1.218 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018505.D

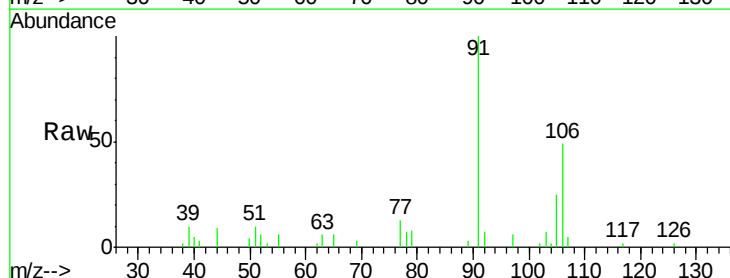
Acq: 28 Sep 2020 19:51

Tgt Ion: 106 Resp: 5364

Ion Ratio Lower Upper

106 100

91 203.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018482.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV018482.D (-2496) (-)

9.16

6000

4000

2000

0

9.10 9.15 9.20

Time-->

