

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112119\  
 Data File : VV013709.D  
 Acq On : 21 Nov 2019 13:31  
 Operator : SY/MD  
 Sample : K5911-11  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAQL4

Quant Time: Nov 22 04:40:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111519WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 22 03:55:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 345963   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 347942   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 153175   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 127681   | 5.97     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 119.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 118585   | 6.22     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 124.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 176383   | 4.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 92.00%   |
| 20) 2-Butanone-d5              | 3.96   | 46    | 294228   | 59.54    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.08%  |
| 24) Chloroform-d               | 4.40   | 84    | 271025   | 5.74     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 136964   | 6.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.60%  |
| 32) Benzene-d6                 | 5.09   | 84    | 543225   | 5.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 112.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 164866   | 5.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 115.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 476831   | 5.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.80%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 56782    | 5.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 103.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 209257   | 50.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.26%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 109045   | 5.26     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 190114   | 6.45     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 129.00%# |

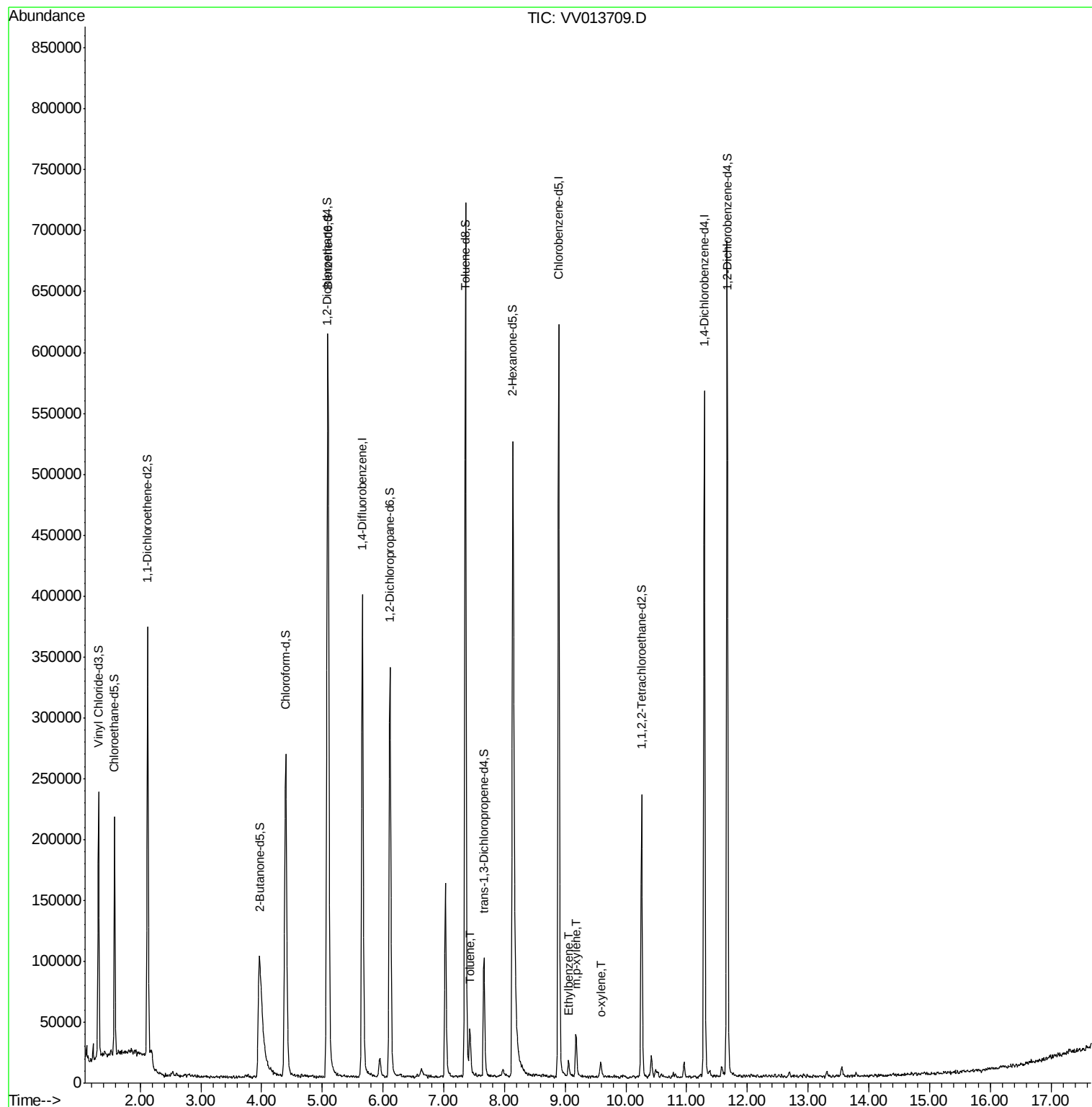
| Target Compounds |      |     |       |            | Ovalue |
|------------------|------|-----|-------|------------|--------|
| 42) Toluene      | 7.43 | 91  | 26559 | 0.236 ug/L | 98     |
| 52) Ethylbenzene | 9.05 | 91  | 8588  | 0.072 ug/L | 97     |
| 53) m,p-xylene   | 9.18 | 106 | 9390  | 0.208 ug/L | 90     |
| 54) o-xylene     | 9.58 | 106 | 3854  | 0.089 ug/L | 94     |

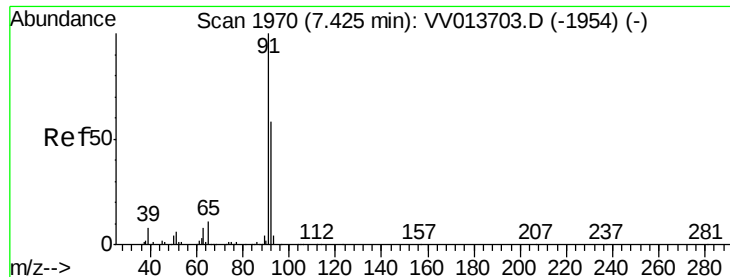
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#42

Toluene

Concen: 0.236 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013709.D

Acq: 21 Nov 2019 13:31

Instrument :

MSVOA\_V

ClientSampleId :

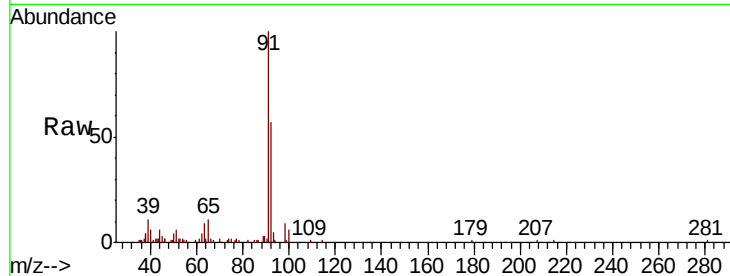
GAQL4

Tot Ion: 91 Resp: 26559

Ion Ratio Lower Upper

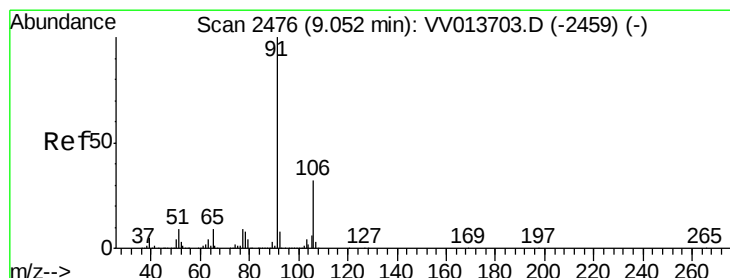
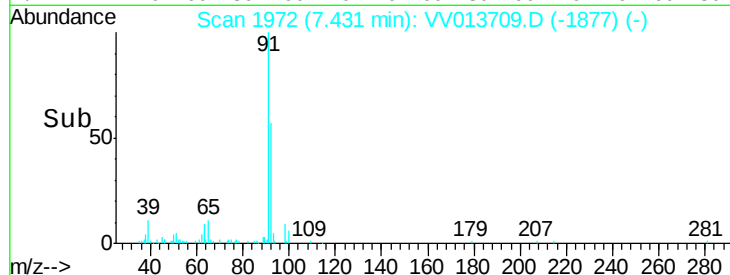
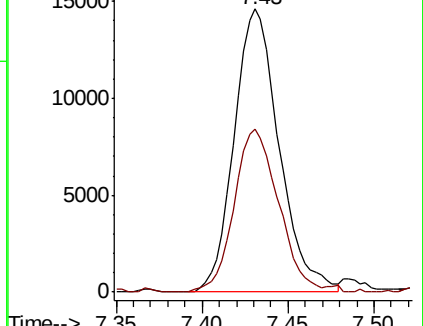
91 100

92 57.4 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#52

Ethylbenzene

Concen: 0.072 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013709.D

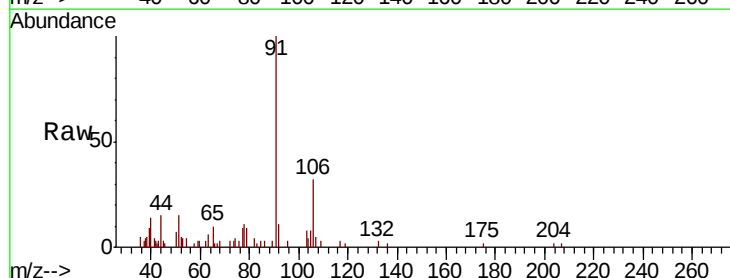
Acq: 21 Nov 2019 13:31

Tgt Ion: 91 Resp: 8588

Ion Ratio Lower Upper

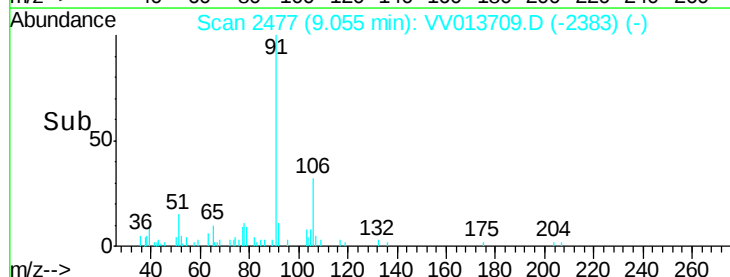
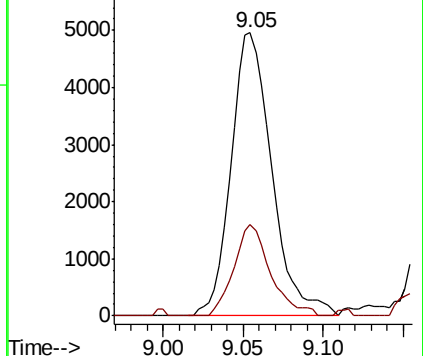
91 100

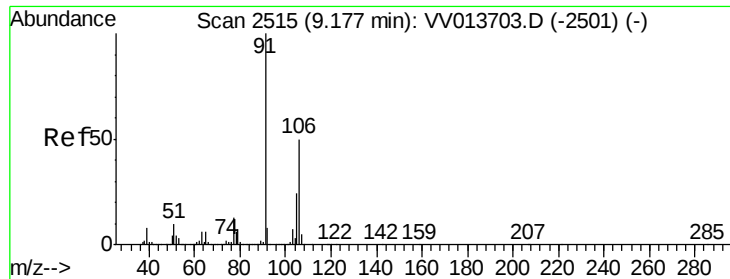
106 32.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.208 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013709.D

Acq: 21 Nov 2019 13:31

Instrument :

MSVOA\_V

ClientSampleId :

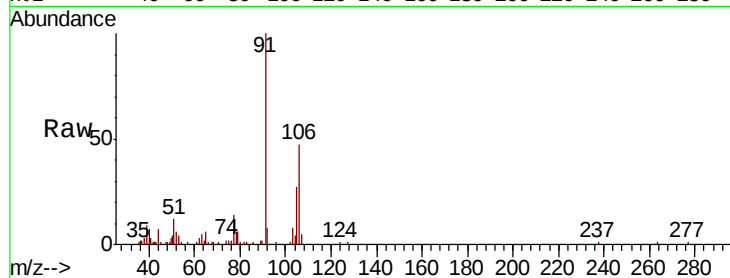
GAQL4

Tot Ion:106 Resp: 9390

Ion Ratio Lower Upper

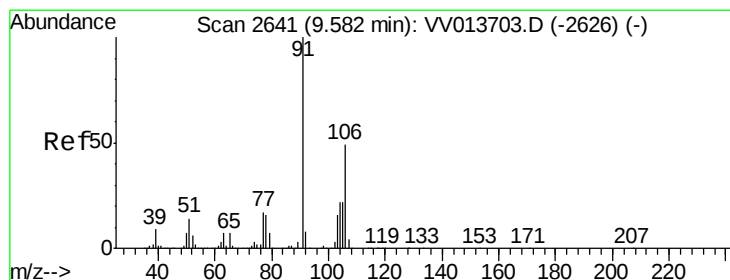
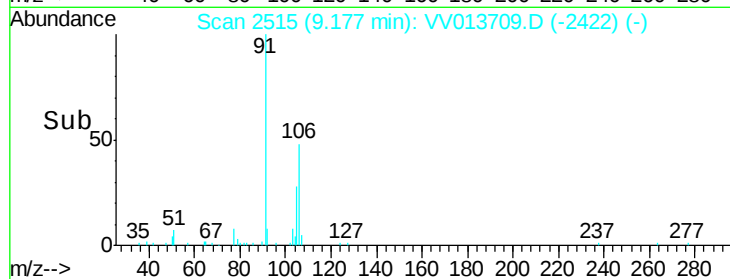
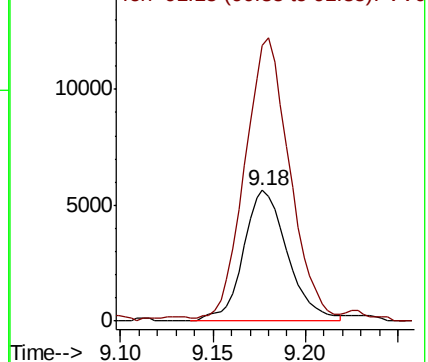
106 100

91 211.6 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.089 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013709.D

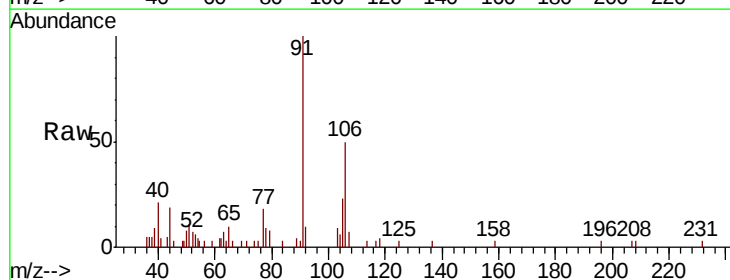
Acq: 21 Nov 2019 13:31

Tgt Ion:106 Resp: 3854

Ion Ratio Lower Upper

106 100

91 200.9 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

