

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050819\  
 Data File : VU031832.D  
 Acq On : 08 May 2019 19:47  
 Operator : JC/SP  
 Sample : K2744-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D45

Quant Time: May 09 06:47:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 09 05:32:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 430366   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 436670   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 162297   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 140065   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.60%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 125220   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 205964   | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.20%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 522664   | 45.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.28%  |
| 24) Chloroform-d               | 4.64   | 84    | 280764   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 159479   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 546577   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 196452   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 425175   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 57884    | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 332761   | 45.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 151502   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 149129   | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.20% |

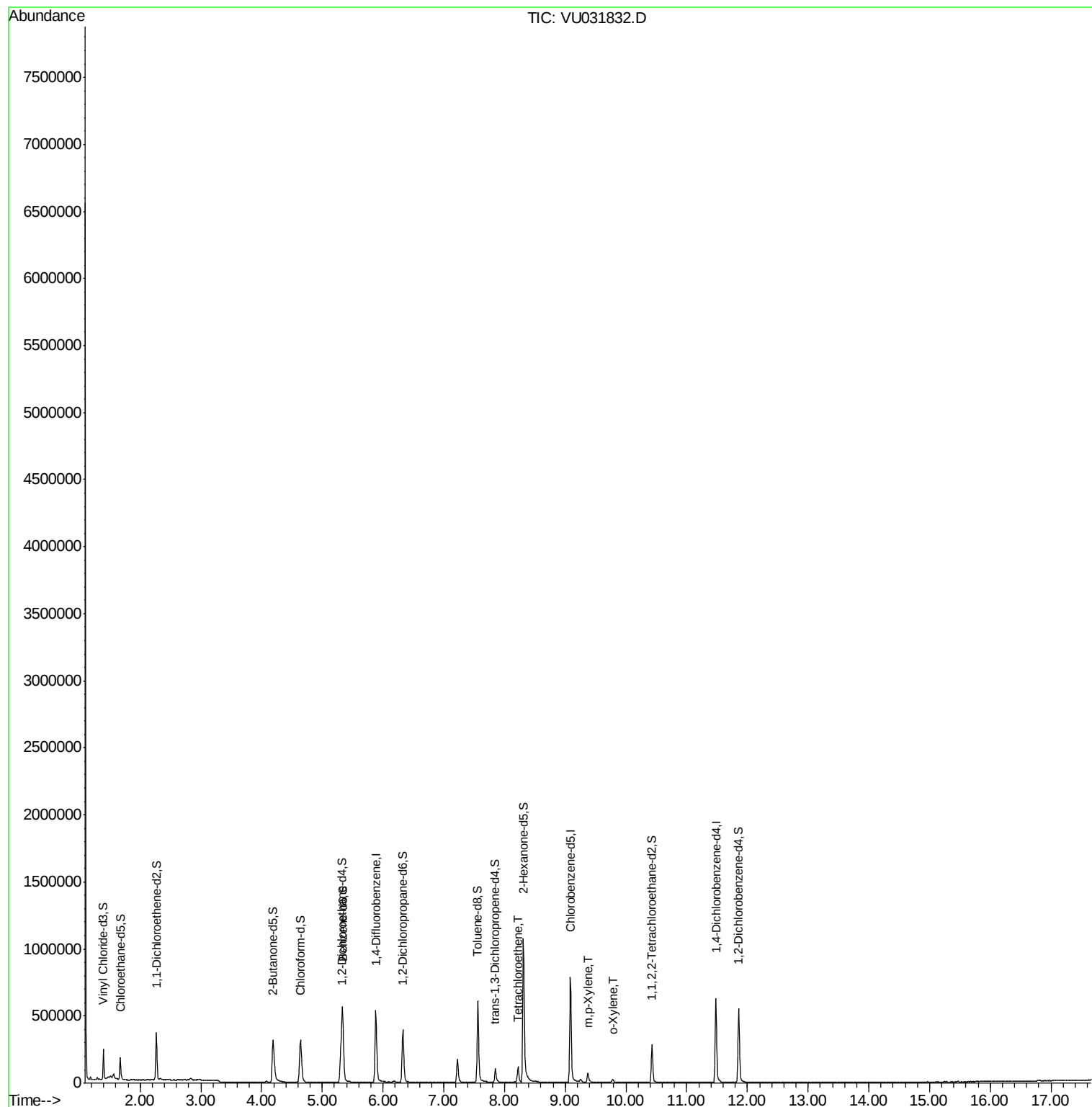
| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 8.22 | 164 | 27054 | 1.084 ug/L | 94     |
| 53) m,p-Xylene        | 9.37 | 106 | 19466 | 0.349 ug/L | 100    |
| 54) o-Xylene          | 9.78 | 106 | 6190  | 0.116 ug/L | 87     |

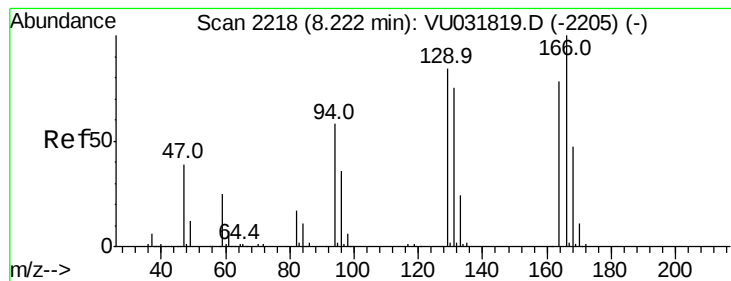
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 05:32:34 2019  
Response via : Initial Calibration





#47

Tetrachloroethene

Concen: 1.084 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031832.D

Acq: 08 May 2019 19:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D45

Tot Ion:164 Resp: 27054

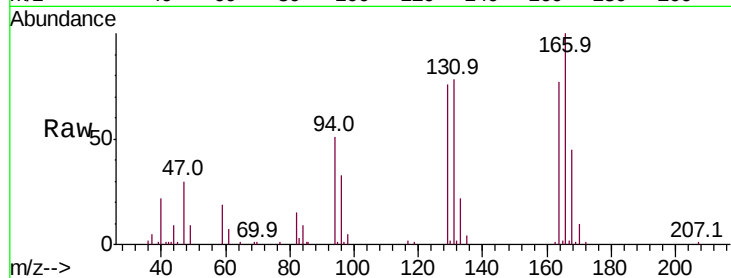
Ion Ratio Lower Upper

164 100

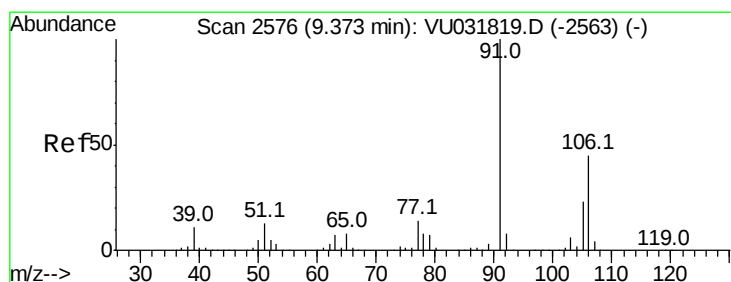
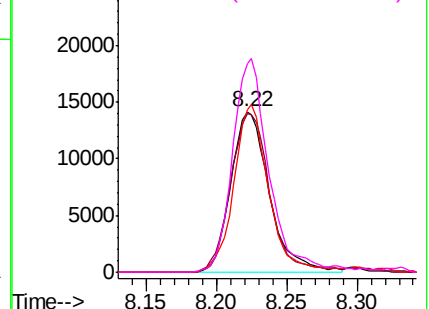
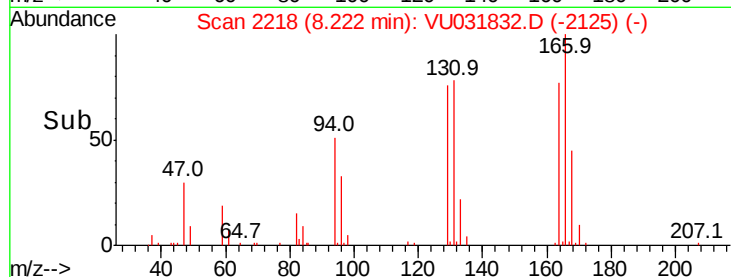
129 98.9 70.3 130.5

131 101.7 65.4 121.4

166 130.4 86.0 159.8



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.349 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031832.D

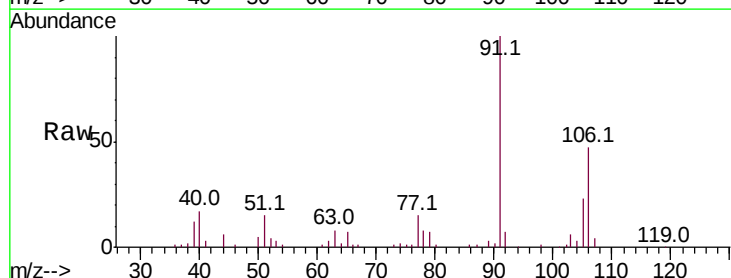
Acq: 08 May 2019 19:47

Tgt Ion:106 Resp: 19466

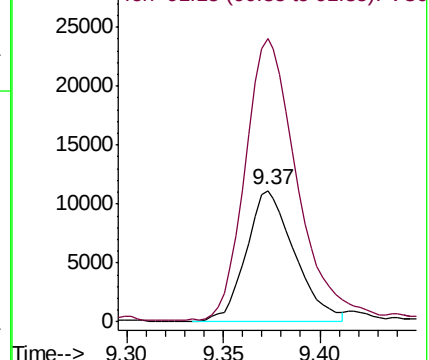
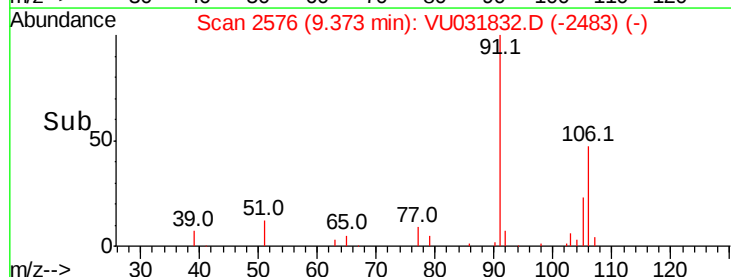
Ion Ratio Lower Upper

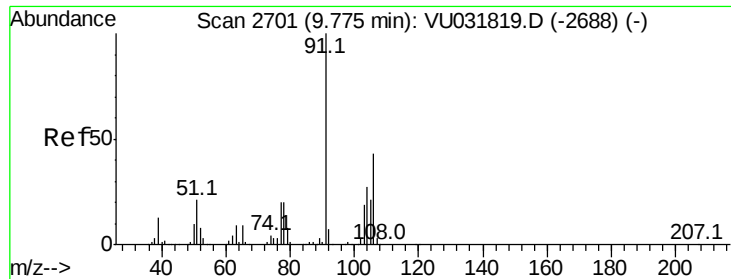
106 100

91 214.9 150.3 279.1



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): V





#54  
 o-Xylene  
 Concen: 0.116 ug/L  
 RT: 9.78 min Scan# 2703  
 Delta R.T. 0.01 min  
 Lab File: VU031832.D  
 Acq: 08 May 2019 19:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D45

Tot Ion:106 Resp: 6190  
 Ion Ratio Lower Upper  
 106 100  
 91 210.2 161.8 300.6

