

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\  
 Data File : VU032873.D  
 Acq On : 19 Jun 2019 21:18  
 Operator : JC/SP  
 Sample : K3413-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALF5

Quant Time: Jun 20 08:32:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 20 07:24:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 92102    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 90762    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 47648    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 28660    | 4.79     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.80%   |
| 7) Chloroethane-d5             | 1.68   | 69    | 24789    | 4.84     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.80%   |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 47323    | 3.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%   |
| 20) 2-Butanone-d5              | 4.19   | 46    | 106046   | 63.45    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 126.90%  |
| 24) Chloroform-d               | 4.64   | 84    | 63544    | 5.87     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 117.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 37855    | 6.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 135.20%# |
| 32) Benzene-d6                 | 5.33   | 84    | 121388   | 5.38     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 39295    | 5.65     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 113.00%  |
| 41) Toluene-d8                 | 7.56   | 98    | 111525   | 5.35     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 15924    | 5.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 107.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 77781    | 52.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.46%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 34798    | 5.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 118.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 47930    | 5.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.80%  |

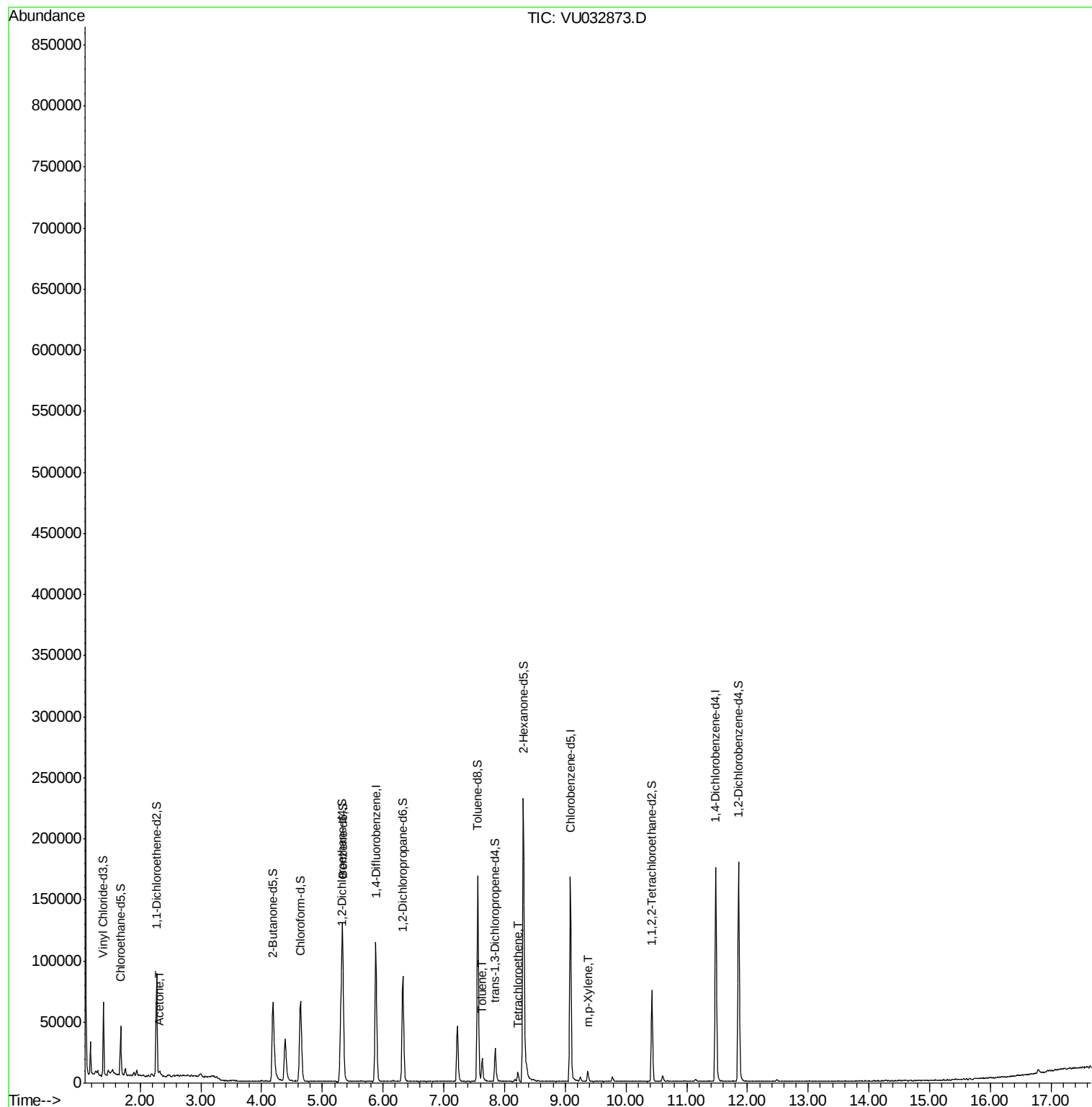
| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 4844  | 3.735 ug/L | 93     |
| 42) Toluene           | 7.63 | 91  | 13580 | 0.455 ug/L | 99     |
| 47) Tetrachloroethene | 8.22 | 164 | 1714  | 0.283 ug/L | 94     |
| 53) m,p-Xylene        | 9.37 | 106 | 2720  | 0.218 ug/L | 95     |

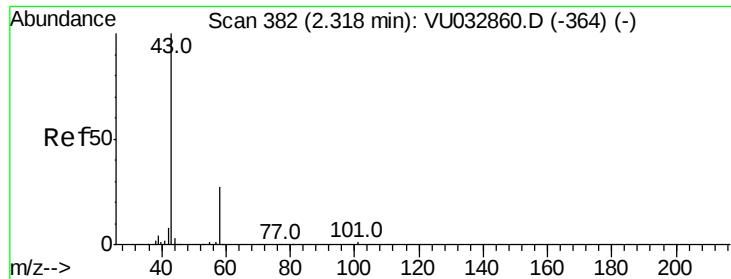
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.735 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA\_U

ClientSampleId :

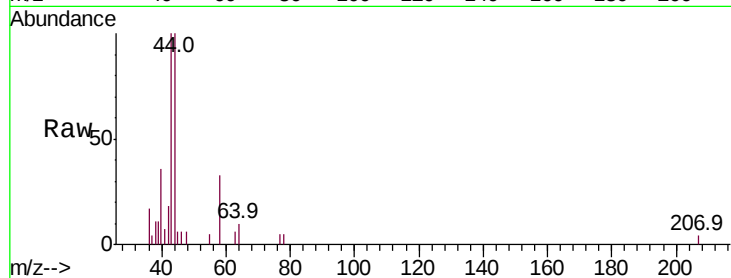
GALF5

Tot Ion: 43 Resp: 4844

Ion Ratio Lower Upper

43 100

58 26.5 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-364) (-)

Ion 58.05 (57.75 to 58.75): VU032860.D (-364) (-)

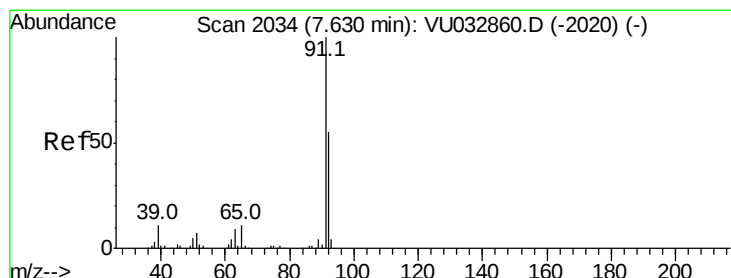
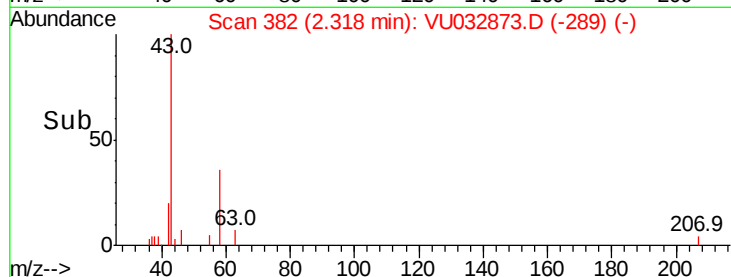
2.32

2.25

2.30

2.35

Time-->



#42

Toluene

Concen: 0.455 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032873.D

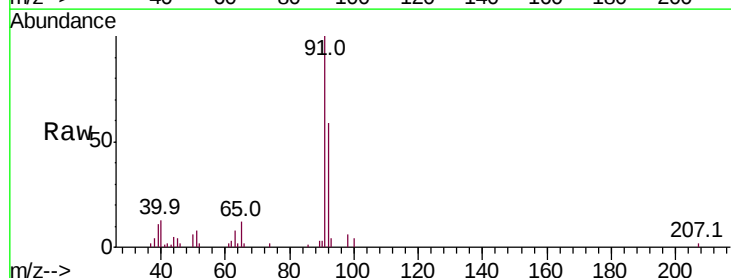
Acq: 19 Jun 2019 21:18

Tgt Ion: 91 Resp: 13580

Ion Ratio Lower Upper

91 100

92 59.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032860.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032860.D (-2020) (-)

7.63

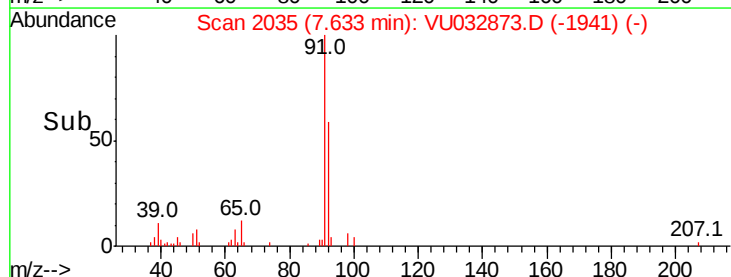
7.55

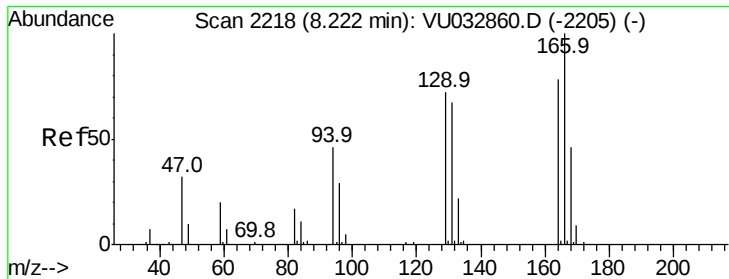
7.60

7.65

7.70

Time-->





#47

Tetrachloroethene

Concen: 0.283 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA\_U

ClientSampleId :

GALF5

Tot Ion:164 Resp: 1714

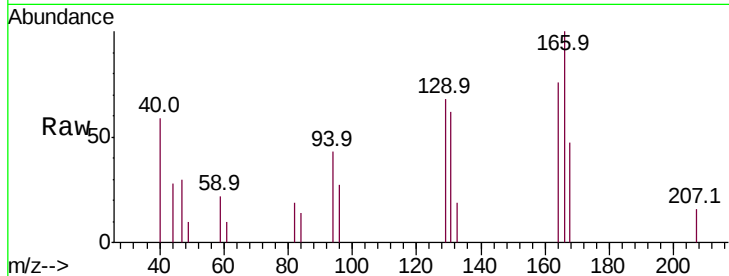
Ion Ratio Lower Upper

164 100

129 89.0 66.1 122.7

131 81.1 65.6 121.8

166 131.7 93.2 173.2

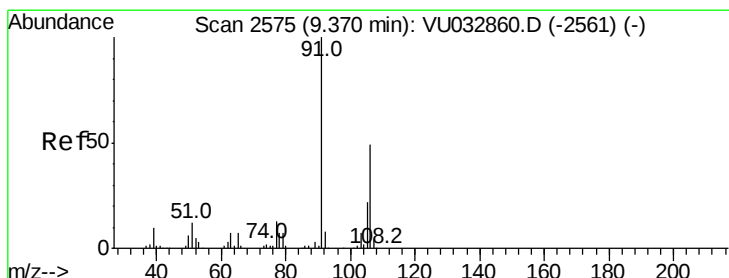
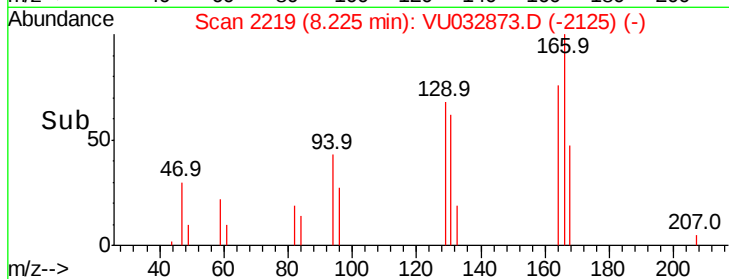
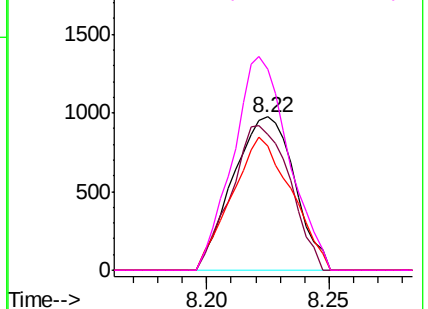


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.218 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032873.D

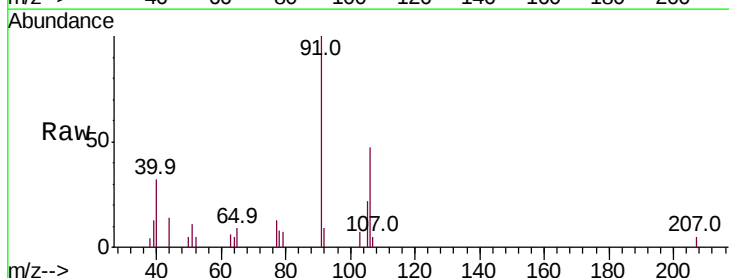
Acq: 19 Jun 2019 21:18

Tgt Ion:106 Resp: 2720

Ion Ratio Lower Upper

106 100

91 211.0 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

