

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111519\  
 Data File : VU035722.D  
 Acq On : 15 Nov 2019 13:25  
 Operator : JC/SP  
 Sample : K5856-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQG1

Quant Time: Nov 16 02:17:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR110419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Nov 16 01:36:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 227458   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 257801   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 92854    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 91910    | 3.92     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 87284    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.20% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 120035   | 3.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00% |
| 20) 2-Butanone-d5              | 4.70   | 46    | 253100   | 48.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.92% |
| 24) Chloroform-d               | 5.11   | 84    | 181508   | 4.86     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 96308    | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 349325   | 4.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.20% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 119999   | 4.57     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.40% |
| 41) Toluene-d8                 | 7.93   | 98    | 283965   | 3.70     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 74.00% |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 41705    | 3.98     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.60% |
| 46) 2-Hexanone-d5              | 8.70   | 63    | 178194   | 43.39    | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 100319   | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 90865    | 4.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.80% |

## Target Compounds

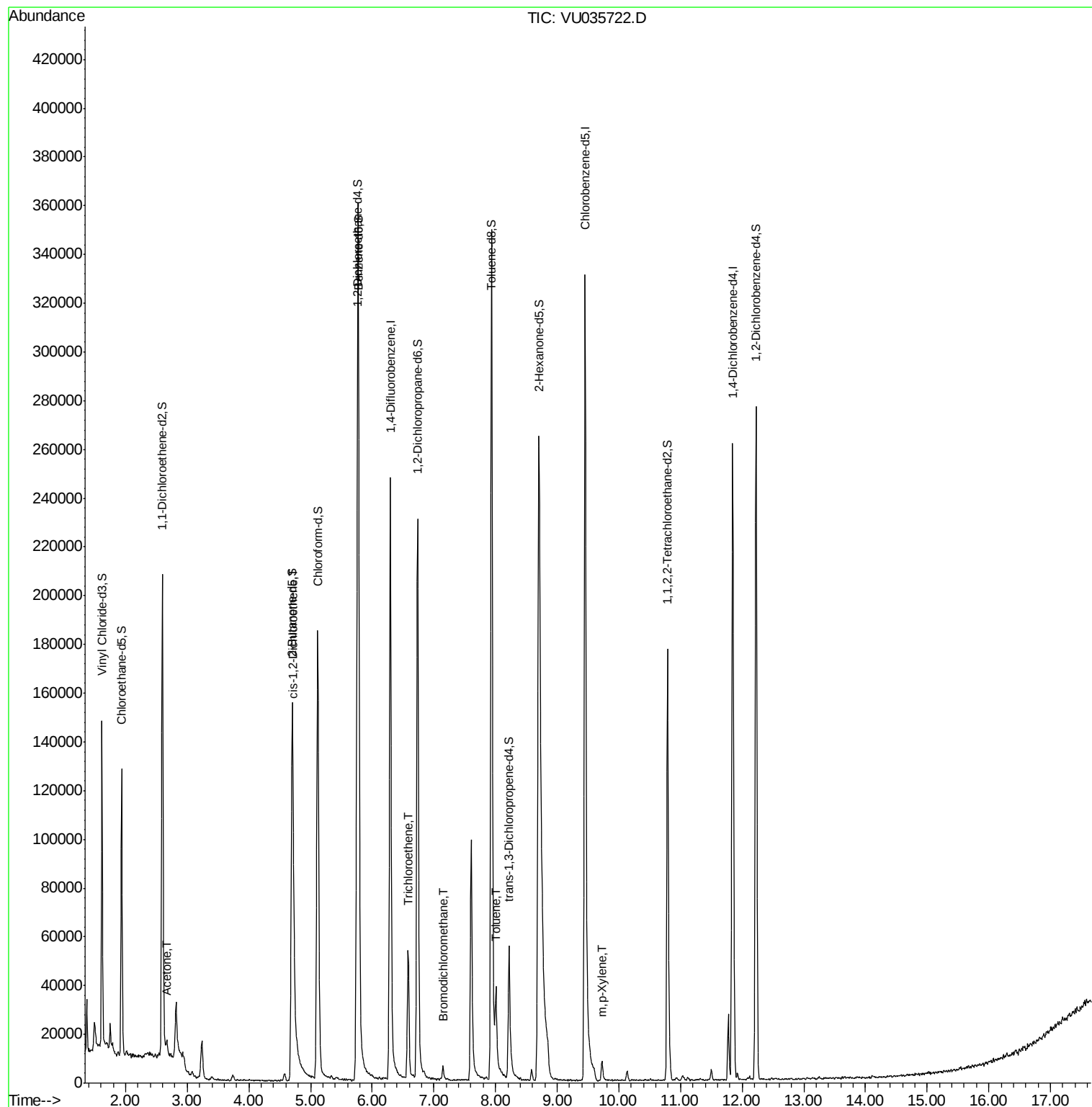
|                            |      |     |       |       | Ovalue  |
|----------------------------|------|-----|-------|-------|---------|
| 13) Acetone                | 2.67 | 43  | 4424  | 1.187 | ug/L 91 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96  | 9975  | 0.439 | ug/L 88 |
| 34) Trichloroethene        | 6.58 | 95  | 18754 | 0.808 | ug/L 95 |
| 38) Bromodichloromethane   | 7.15 | 83  | 4191  | 0.145 | ug/L 98 |
| 42) Toluene                | 8.01 | 91  | 22753 | 0.238 | ug/L 97 |
| 53) m,p-Xylene             | 9.73 | 106 | 3210  | 0.084 | ug/L 81 |

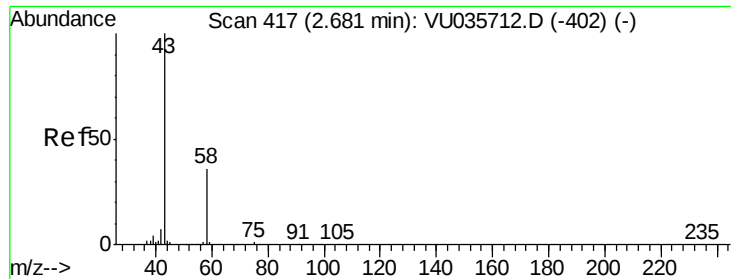
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 16 01:36:54 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.187 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

Instrument :

MSVOA\_U

ClientSampleId :

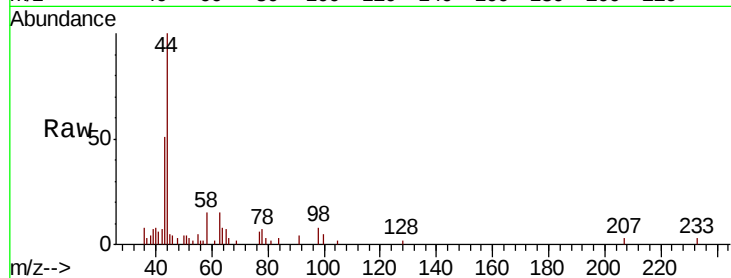
GAQG1

Tot Ion: 43 Resp: 4424

Ion Ratio Lower Upper

43 100

58 39.8 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

3000

2500

2000

1500

1000

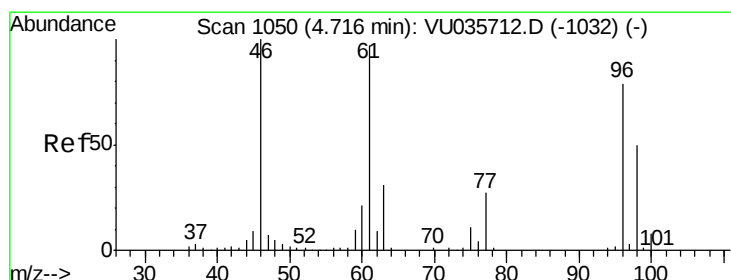
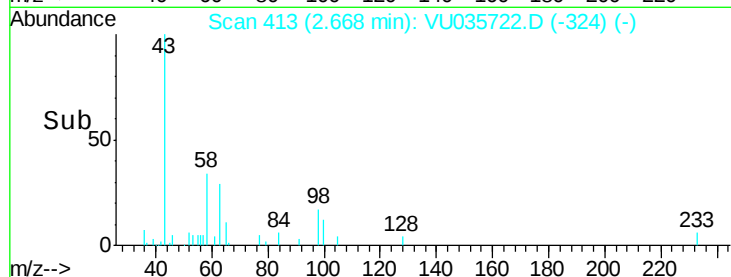
500

0

2.67

2.60 2.65 2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.439 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

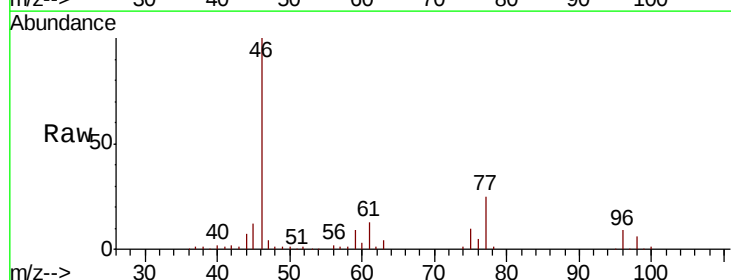
Tgt Ion: 96 Resp: 9975

Ion Ratio Lower Upper

96 100

61 138.3 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

8000

6000

4000

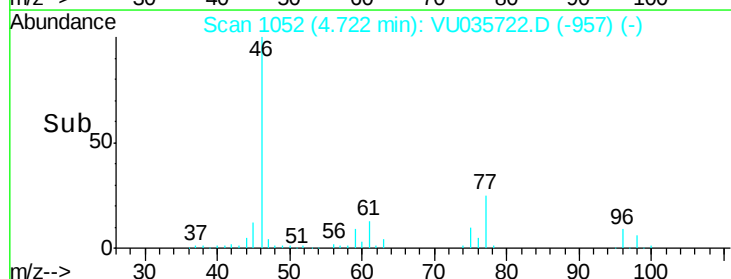
2000

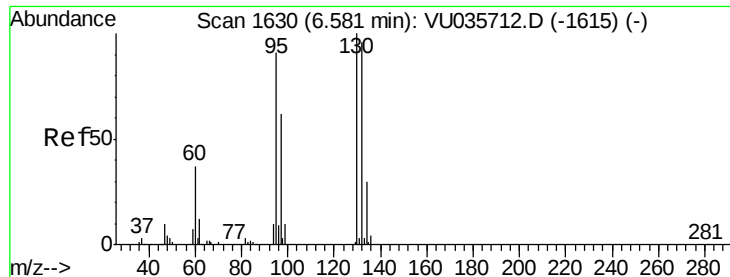
0

4.72

4.65 4.70 4.75 4.80

Time-->





#34

Trichloroethene

Concen: 0.808 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

Instrument :

MSVOA\_U

ClientSampleId :

GAQG1

Tot Ion: 95 Resp: 18754

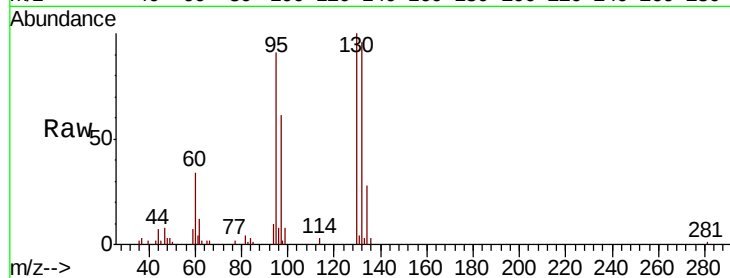
Ion Ratio Lower Upper

95 100

97 67.9 44.5 82.7

132 105.8 69.9 129.7

130 110.4 74.1 137.7

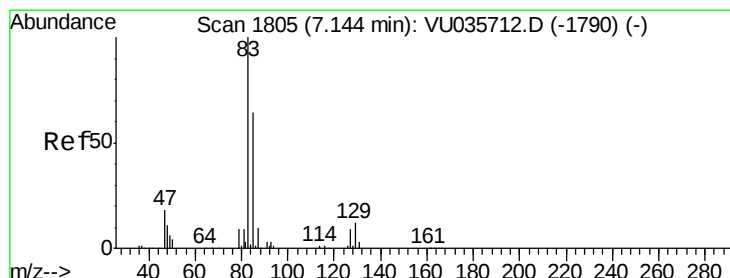
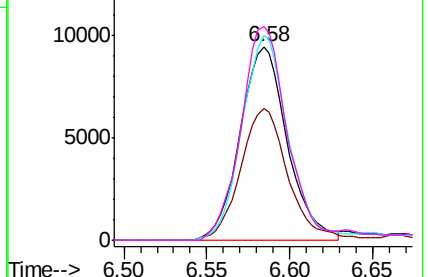
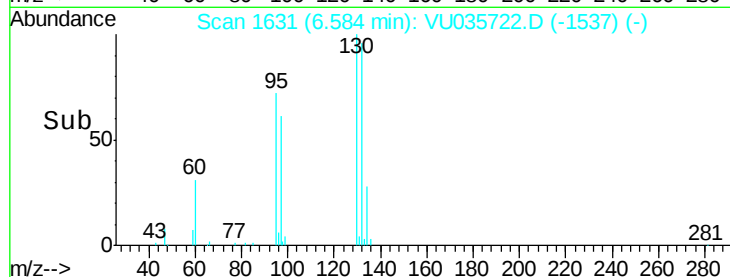


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#38

Bromodichloromethane

Concen: 0.145 ug/L

RT: 7.15 min Scan# 1807

Delta R.T. 0.01 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

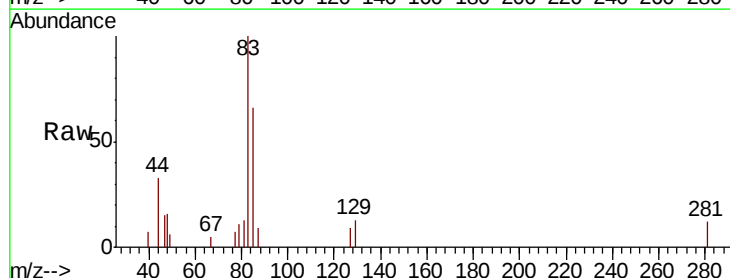
Tgt Ion: 83 Resp: 4191

Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9

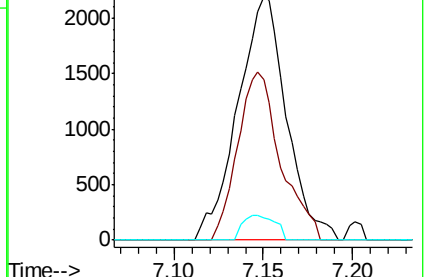
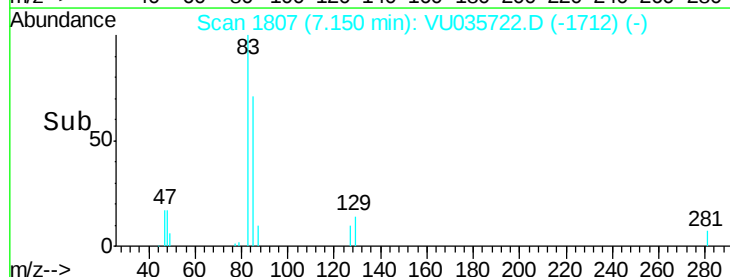
127 9.3 7.1 10.7

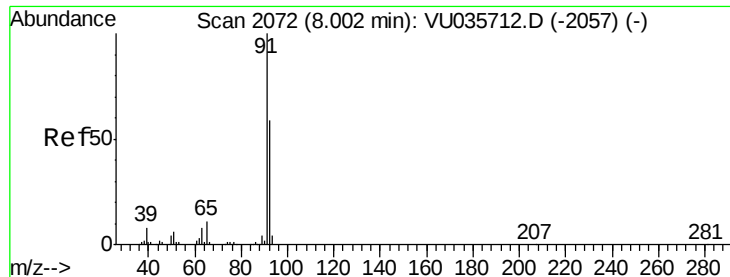


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V





#42

Toluene

Concen: 0.238 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

Instrument :

MSVOA\_U

ClientSampleId :

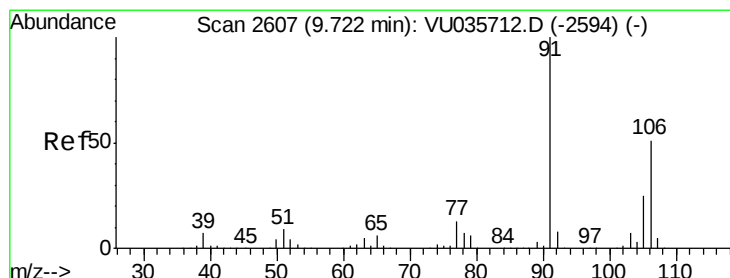
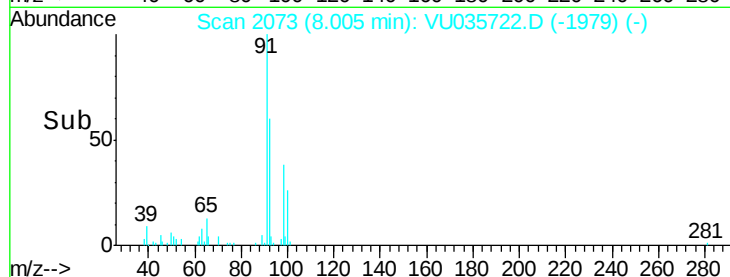
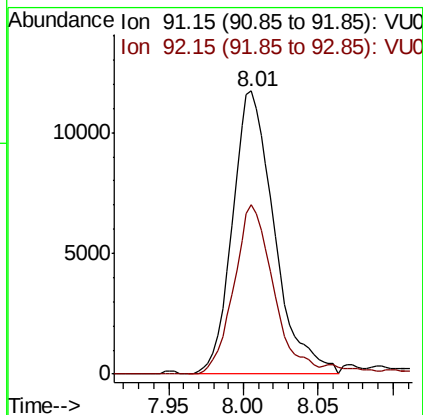
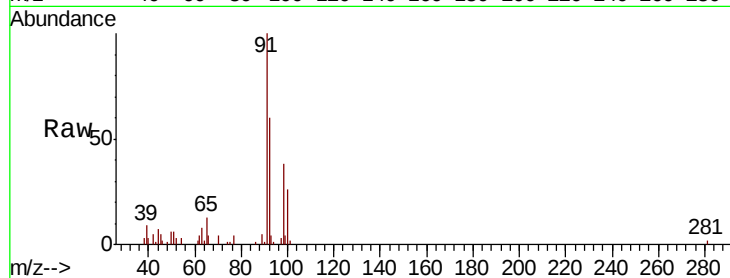
GAQG1

Tot Ion: 91 Resp: 22753

Ion Ratio Lower Upper

91 100

92 59.9 40.5 75.3



#53

m,p-Xylene

Concen: 0.084 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035722.D

Acq: 15 Nov 2019 13:25

Tgt Ion: 106 Resp: 3210

Ion Ratio Lower Upper

106 100

91 170.4 139.4 259.0

