

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\  
 Data File : VU032054.D  
 Acq On : 16 May 2019 17:20  
 Operator : JC/SP  
 Sample : K2739-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB887

Quant Time: May 17 07:54:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 17 07:17:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 407702   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 411197   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 163011   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 78217    | 2.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 45.60%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 79907    | 2.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 54.40%# |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 116875   | 2.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 42.80%# |
| 20) 2-Butanone-d5              | 4.19   | 46    | 295680   | 43.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.70%  |
| 24) Chloroform-d               | 4.64   | 84    | 206997   | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 68.60%# |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 108295   | 3.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 69.60%# |
| 32) Benzene-d6                 | 5.33   | 84    | 384313   | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 61.20%# |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 130238   | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 71.00%  |
| 41) Toluene-d8                 | 7.56   | 98    | 309862   | 2.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 56.00%# |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 39543    | 3.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 60.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 243421   | 40.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 123111   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 130607   | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 75.60%# |

## Target Compounds

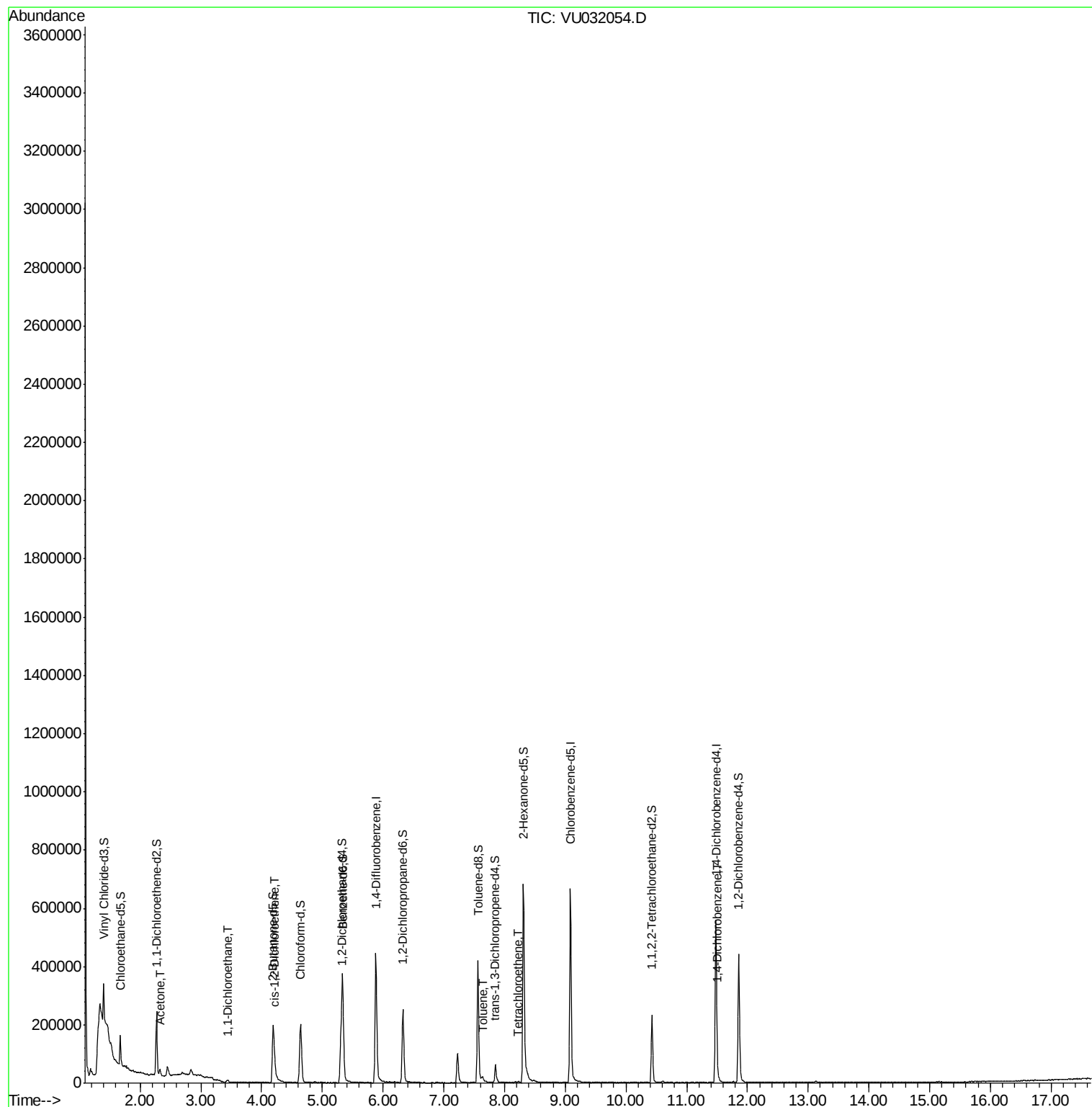
|                            |       |     |       |       | Ovalue  |
|----------------------------|-------|-----|-------|-------|---------|
| 13) Acetone                | 2.32  | 43  | 18769 | 8.479 | ug/L 98 |
| 19) 1,1-Dichloroethane     | 3.43  | 63  | 7489  | 0.269 | ug/L 99 |
| 22) cis-1,2-Dichloroethene | 4.22  | 96  | 4914  | 0.285 | ug/L 97 |
| 42) Toluene                | 7.64  | 91  | 12284 | 0.186 | ug/L 92 |
| 47) Tetrachloroethene      | 8.23  | 164 | 1459  | 0.114 | ug/L 91 |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 6810  | 0.252 | ug/L 96 |

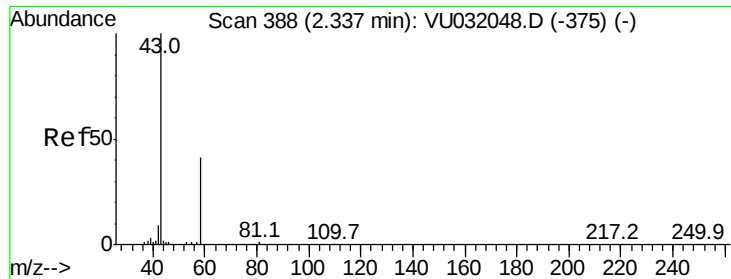
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 8.479 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032054.D

Acq: 16 May 2019 17:20

Instrument :

MSVOA\_U

ClientSampled :

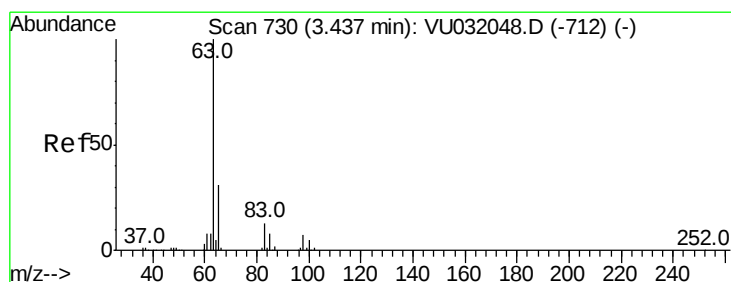
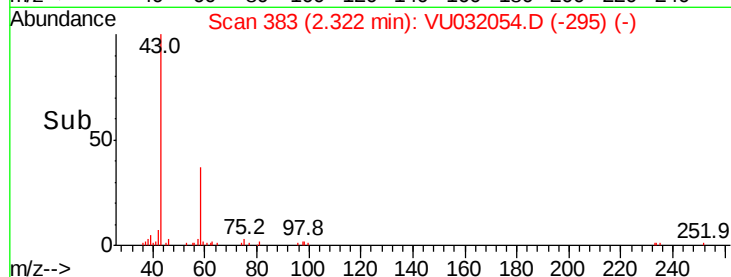
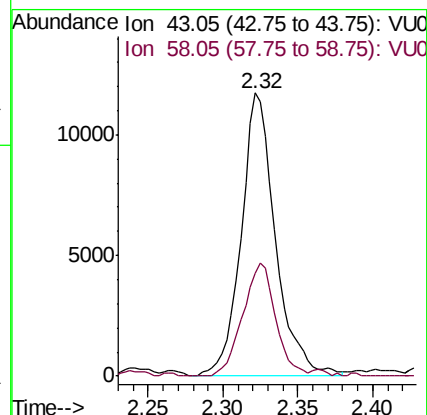
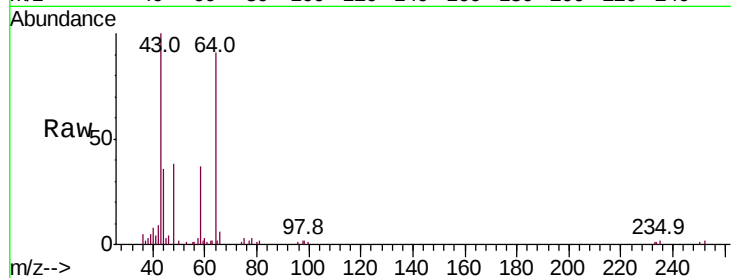
DB887

Tot Ion: 43 Resp: 18769

Ion Ratio Lower Upper

43 100

58 38.0 0.0 78.8



#19

1,1-Dichloroethane

Concen: 0.269 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU032054.D

Acq: 16 May 2019 17:20

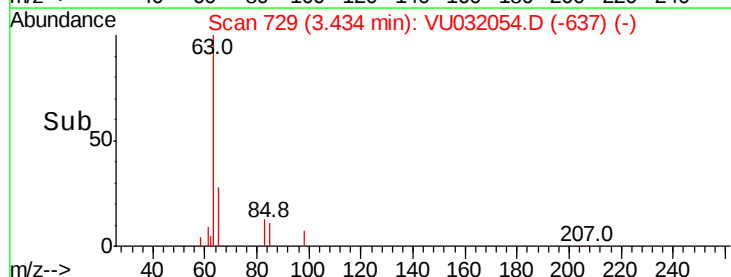
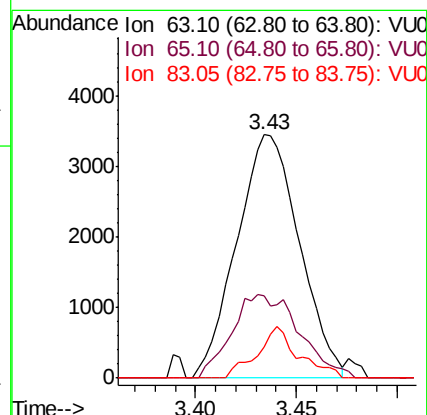
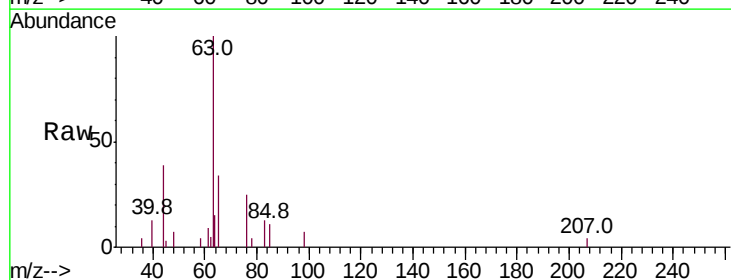
Tgt Ion: 63 Resp: 7489

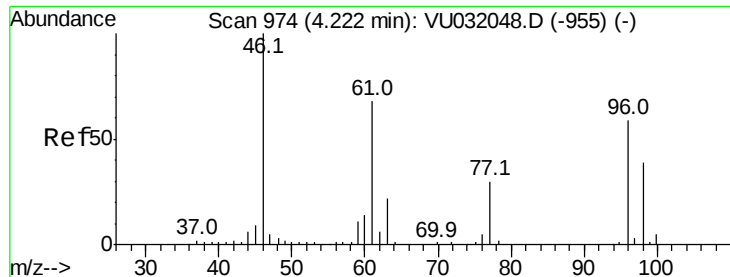
Ion Ratio Lower Upper

63 100

65 33.7 23.0 42.6

83 13.1 9.3 17.3

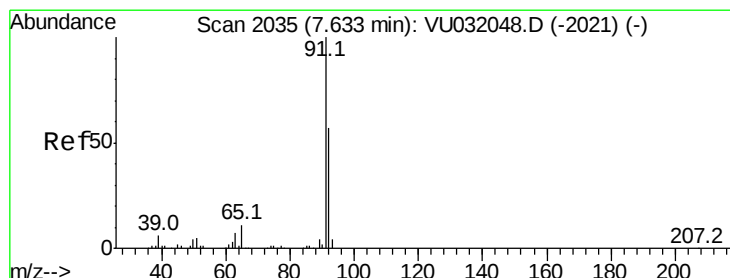
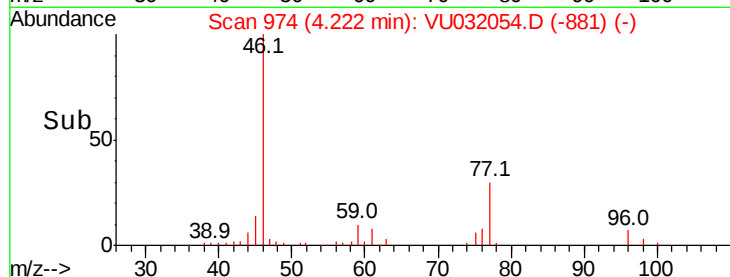
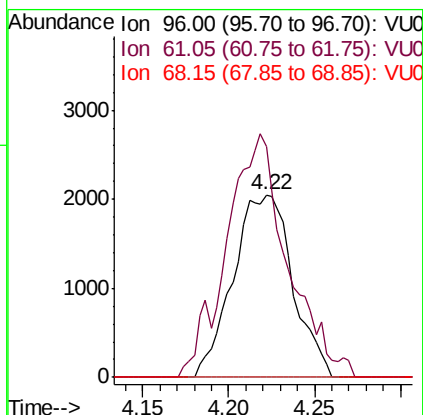
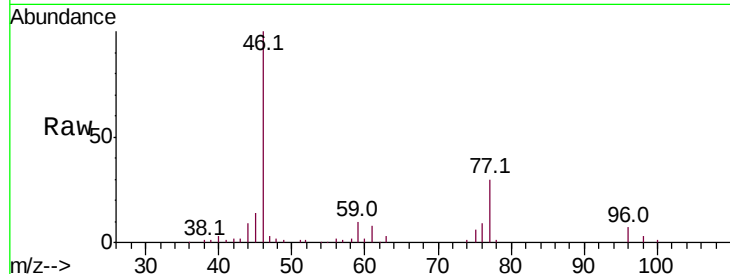




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.285 ug/L  
 RT: 4.22 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: VU032054.D  
 Acq: 16 May 2019 17:20

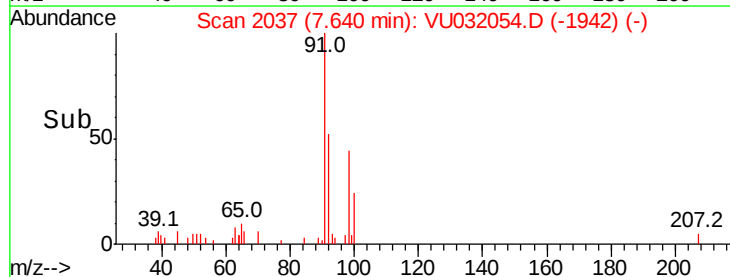
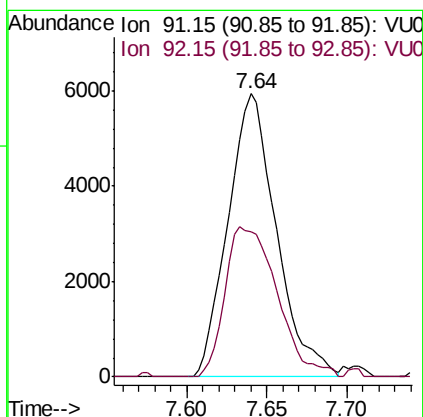
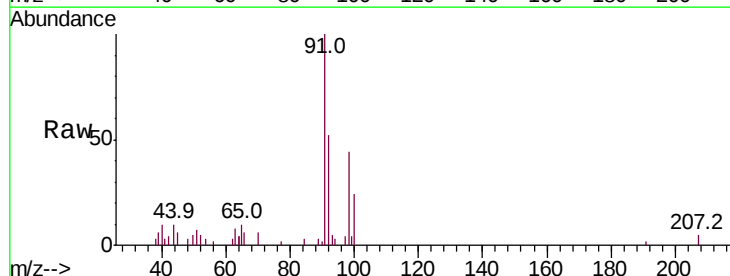
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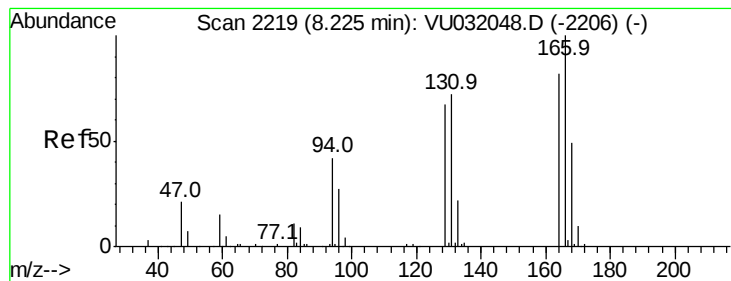
Tot Ion: 96 Resp: 4914  
 Ion Ratio Lower Upper  
 96 100  
 61 126.4 85.8 159.4  
 68 0.0 0.0 0.0



#42  
 Toluene  
 Concen: 0.186 ug/L  
 RT: 7.64 min Scan# 2037  
 Delta R.T. 0.01 min  
 Lab File: VU032054.D  
 Acq: 16 May 2019 17:20

Tgt Ion: 91 Resp: 12284  
 Ion Ratio Lower Upper  
 91 100  
 92 51.5 40.2 74.6





#47

Tetrachloroethene

Concen: 0.114 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU032054.D

Acq: 16 May 2019 17:20

Instrument :

MSVOA\_U

ClientSampleId :

DB887

Tot Ion:164 Resp: 1459

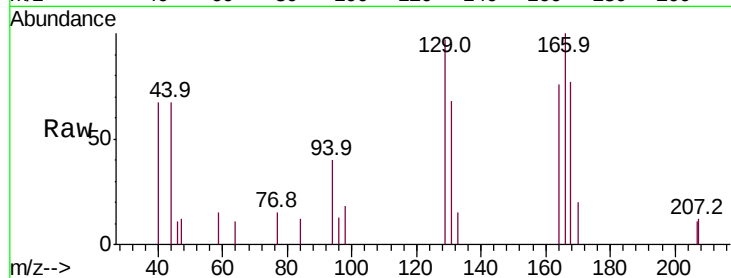
Ion Ratio Lower Upper

164 100

129 127.4 70.3 130.5

131 89.1 64.5 119.9

166 131.3 92.3 171.5

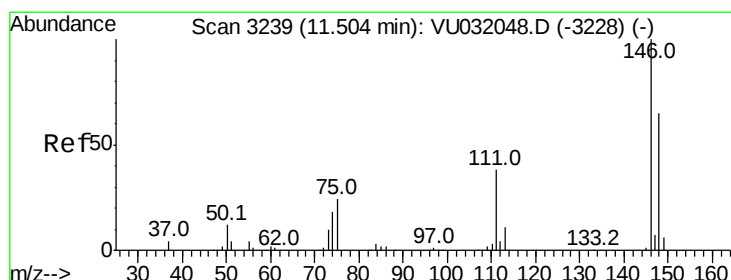
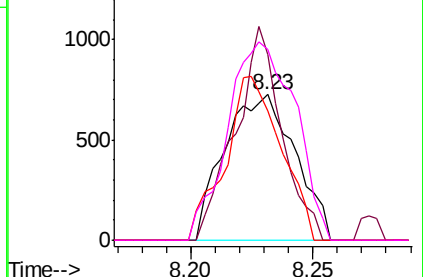
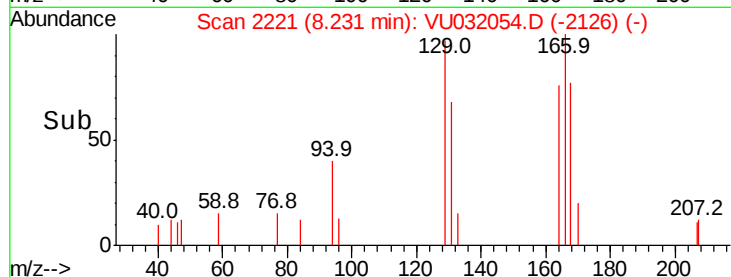


Abundance Ion 163.90 (163.60 to 164.60): V

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



#63

1,4-Dichlorobenzene

Concen: 0.252 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU032054.D

Acq: 16 May 2019 17:20

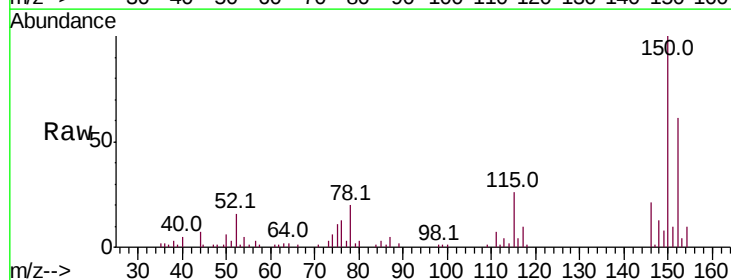
Tgt Ion:146 Resp: 6810

Ion Ratio Lower Upper

146 100

111 32.1 27.1 50.3

148 64.5 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

