

Data File : VU033147.D  
Acq On : 02 Jul 2019 17:47  
Operator : JC/SP  
Sample : K3597-07DL 4X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM64DL

Quant Time: Jul 05 06:43:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 03 02:14:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 91099    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 92771    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 43041    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 34178    | 6.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 129.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 27938    | 5.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 51784    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.40%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 98652    | 51.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.78% |
| 24) Chloroform-d               | 4.64   | 84    | 64859    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.80% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 38038    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.40% |
| 32) Benzene-d6                 | 5.33   | 84    | 121594   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.20% |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 39241    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.56   | 98    | 102198   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 15538    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 61690    | 46.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 33305    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 41883    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.20% |

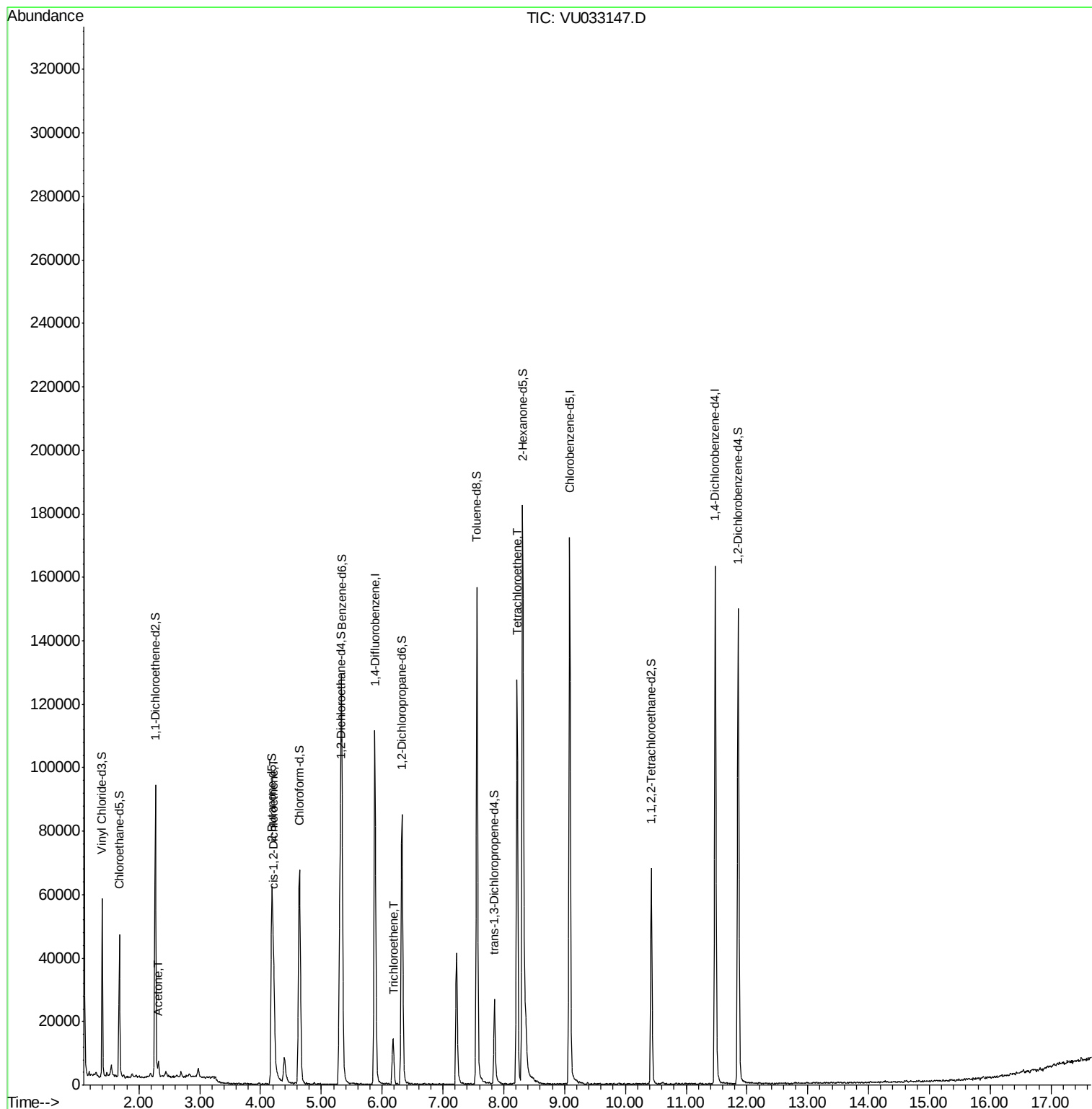
| Target Compounds           |      |     |       |            | Qvalue |
|----------------------------|------|-----|-------|------------|--------|
| 13) Acetone                | 2.32 | 43  | 4435  | 2.874 ug/L | 95     |
| 22) cis-1,2-Dichloroethene | 4.22 | 96  | 10970 | 1.513 ug/L | 96     |
| 34) Trichloroethene        | 6.18 | 95  | 4710  | 0.632 ug/L | 96     |
| 47) Tetrachloroethene      | 8.22 | 164 | 28208 | 4.553 ug/L | 99     |

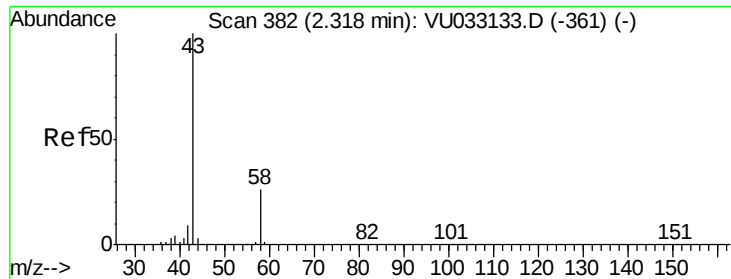
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.874 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

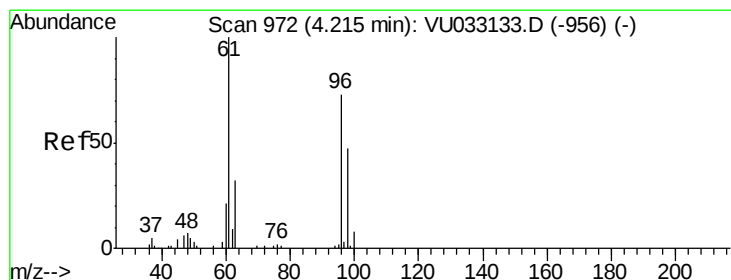
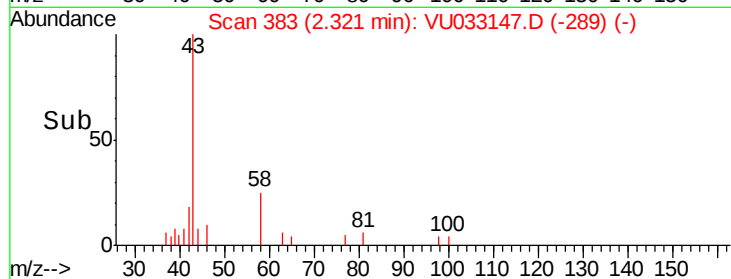
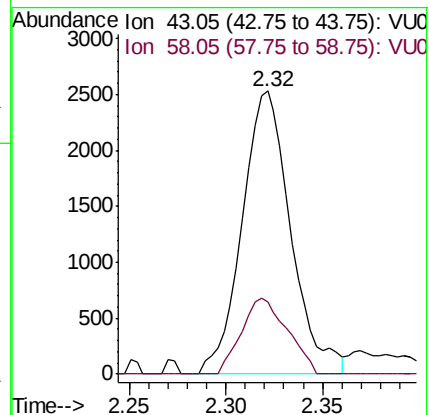
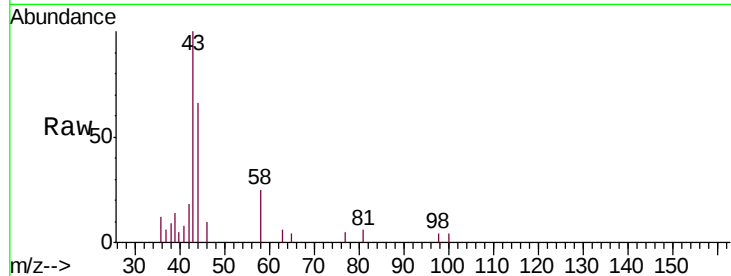
GAM64DL

Tgt Ion: 43 Resp: 4435

Ion Ratio Lower Upper

43 100

58 25.3 0.0 55.4



#22

cis-1,2-Dichloroethene

Concen: 1.513 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033147.D

Acq: 02 Jul 2019 17:47

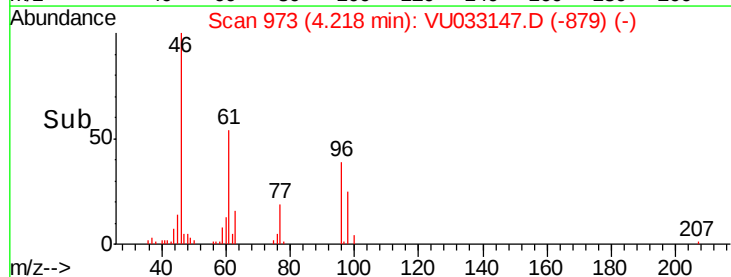
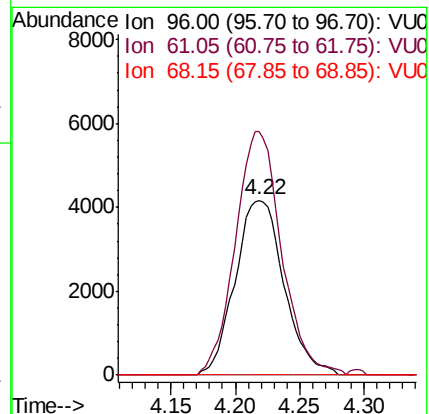
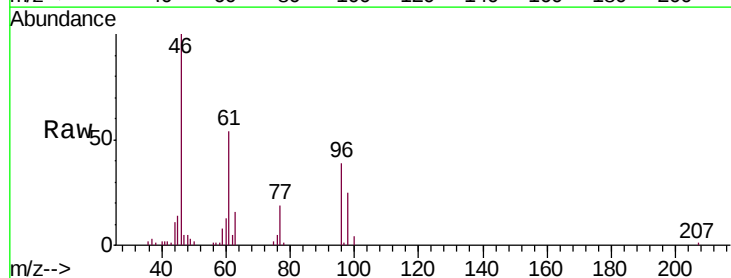
Tgt Ion: 96 Resp: 10970

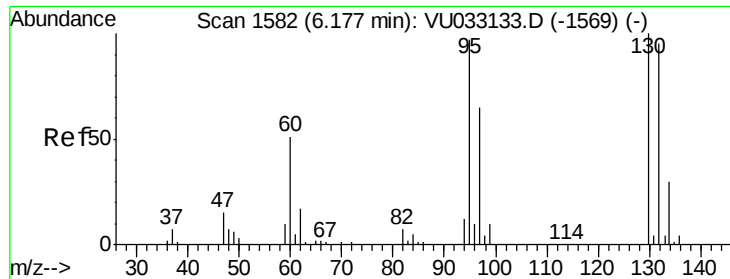
Ion Ratio Lower Upper

96 100

61 139.4 93.9 174.5

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.632 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

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Acq: 02 Jul 2019 17:47

Instrument :

MSVOA\_U

ClientSampleId :

GAM64DL

Tgt Ion: 95 Resp: 4710

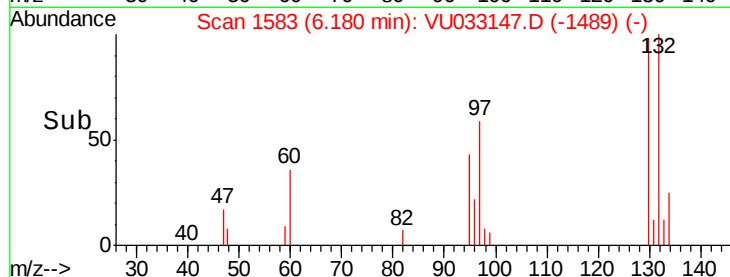
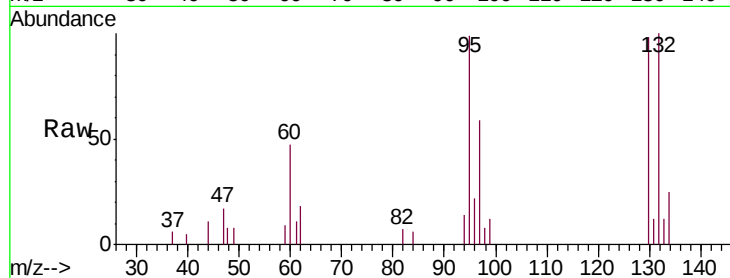
Ion Ratio Lower Upper

95 100

97 60.2 42.8 79.4

132 101.4 64.6 120.0

130 99.7 70.0 130.0

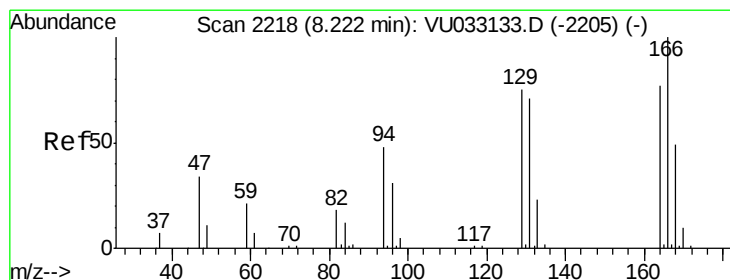
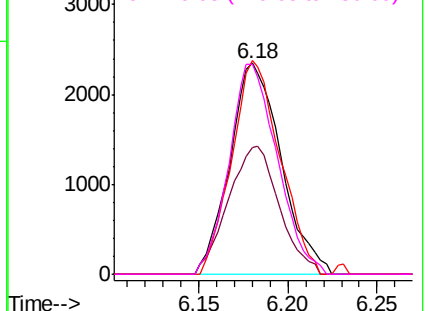


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 4.553 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033147.D

Acq: 02 Jul 2019 17:47

Tgt Ion: 164 Resp: 28208

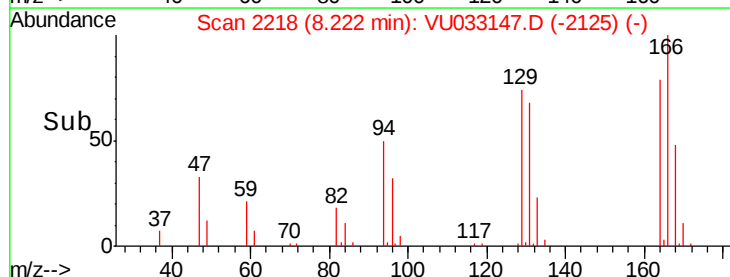
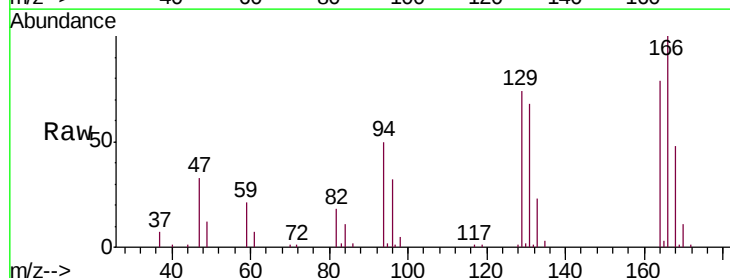
Ion Ratio Lower Upper

164 100

129 93.3 65.3 121.3

131 85.8 60.3 112.1

166 126.5 86.9 161.3



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

