

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060319\  
 Data File : VU032414.D  
 Acq On : 03 Jun 2019 23:54  
 Operator : JC/SP  
 Sample : K3081-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALD8

Quant Time: Jun 04 09:36:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 04 08:55:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 105000   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 98489    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 46027    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 41835    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 36181    | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 68.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 69542    | 3.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.40%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 117588   | 51.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.54% |
| 24) Chloroform-d               | 4.64   | 84    | 67918    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 41599    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.40% |
| 32) Benzene-d6                 | 5.33   | 84    | 137716   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 44776    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.56   | 98    | 129229   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 19068    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 99015    | 52.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.06% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 37029    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 44842    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.60% |

## Target Compounds

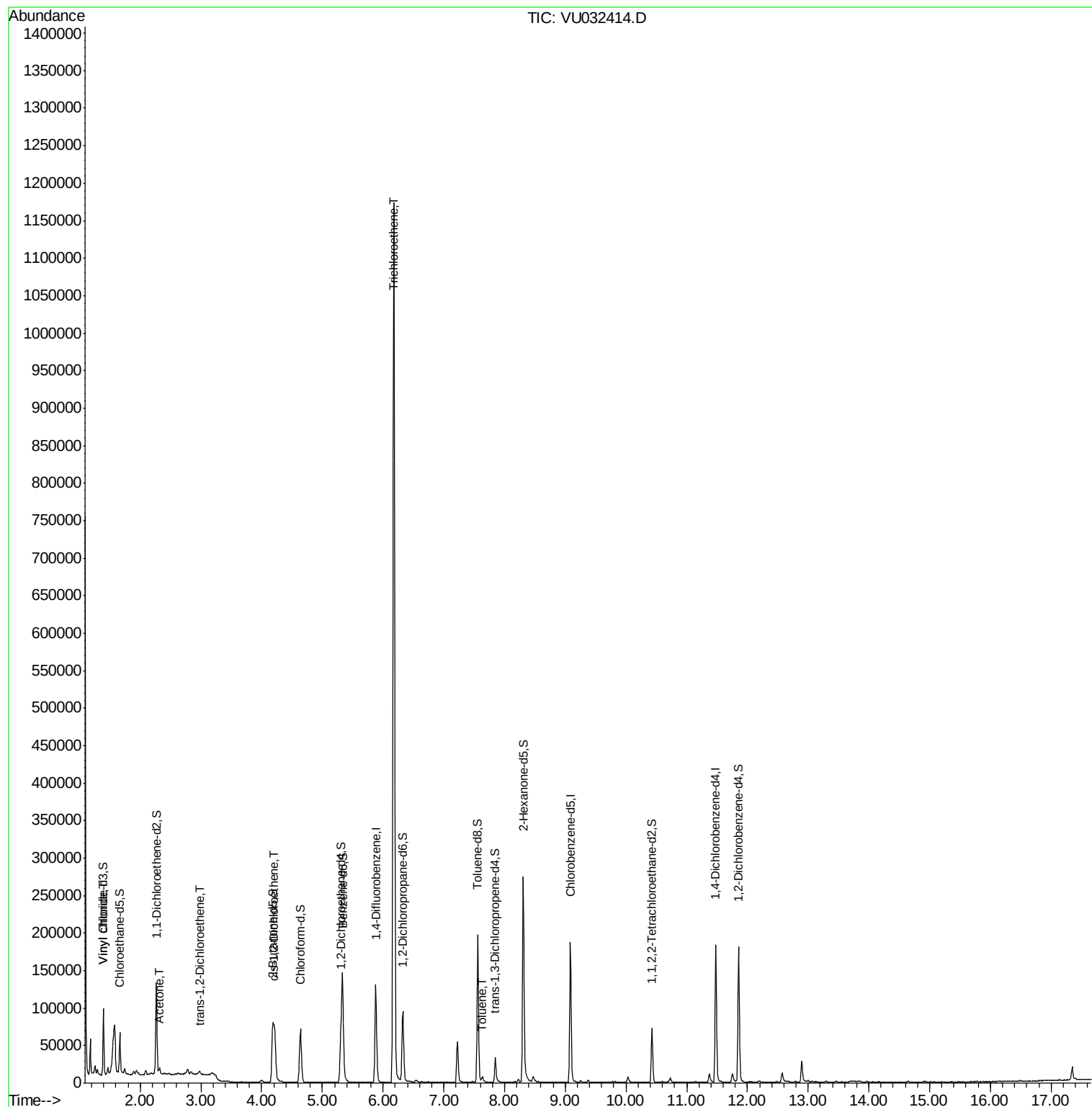
|                              |      |    |        |             | Ovalue |
|------------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride            | 1.40 | 62 | 2706   | 0.138 ug/L  | # 55   |
| 13) Acetone                  | 2.32 | 43 | 7611   | 1.986 ug/L  | 96     |
| 18) trans-1,2-Dichloroethene | 2.97 | 96 | 1337   | 0.084 ug/L  | 97     |
| 22) cis-1,2-Dichloroethene   | 4.22 | 96 | 29852  | 1.927 ug/L  | 97     |
| 34) Trichloroethene          | 6.18 | 95 | 403507 | 25.870 ug/L | 98     |
| 42) Toluene                  | 7.64 | 91 | 6045   | 0.098 ug/L  | 99     |

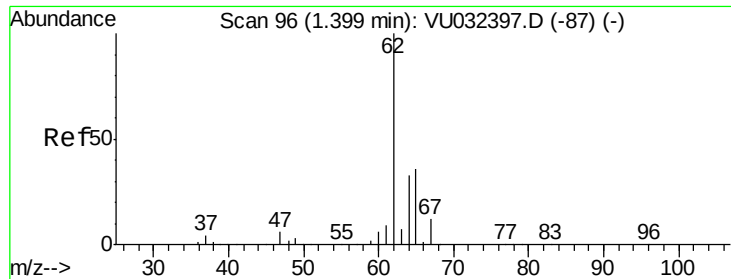
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 08:55:15 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.138 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032414.D

Acq: 03 Jun 2019 23:54

Instrument :

MSVOA\_U

ClientSampled :

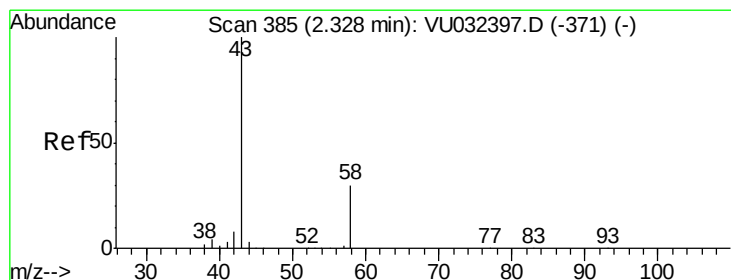
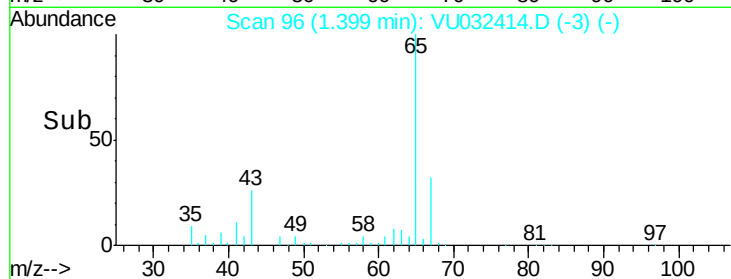
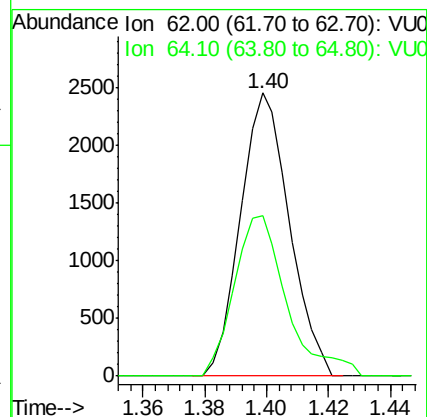
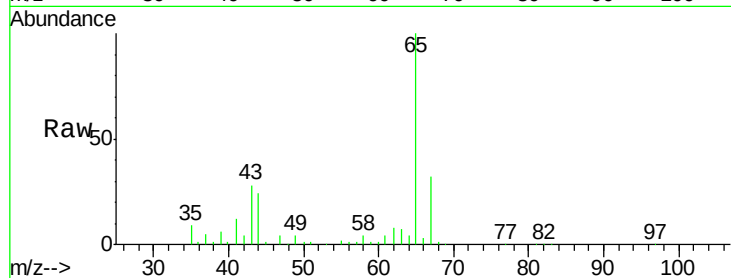
GALD8

Tot Ion: 62 Resp: 2706

Ion Ratio Lower Upper

62 100

64 56.6 22.3 41.3#



#13

Acetone

Concen: 1.986 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032414.D

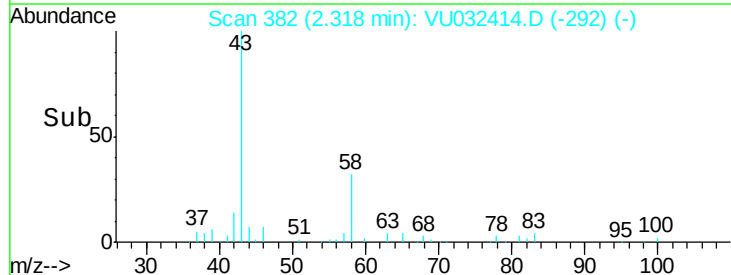
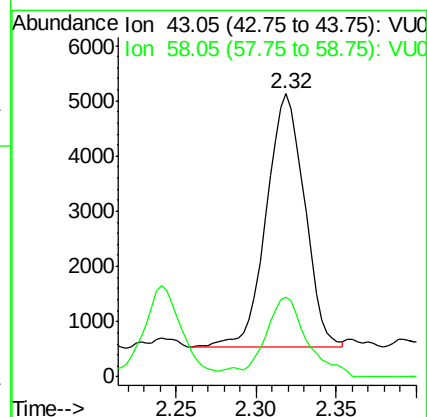
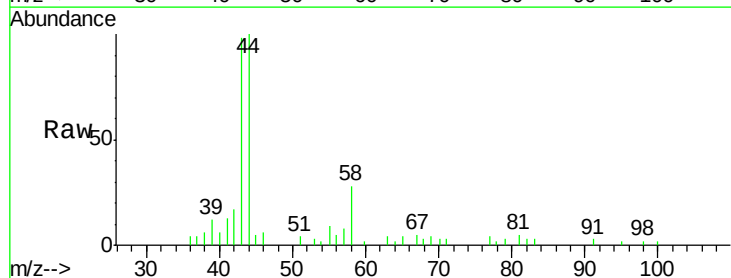
Acq: 03 Jun 2019 23:54

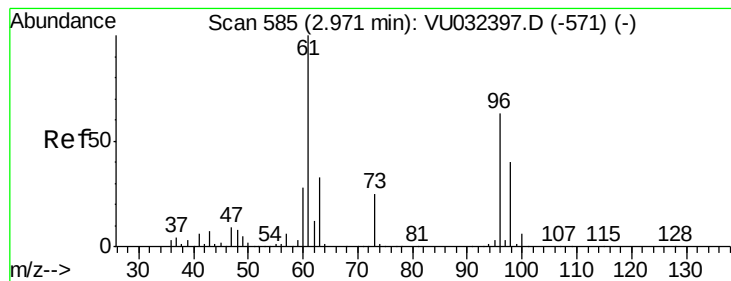
Tgt Ion: 43 Resp: 7611

Ion Ratio Lower Upper

43 100

58 33.2 0.0 62.2





#18

trans-1,2-Dichloroethene

Concen: 0.084 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032414.D

Acq: 03 Jun 2019 23:54

Instrument :

MSVOA\_U

ClientSampleId :

GALD8

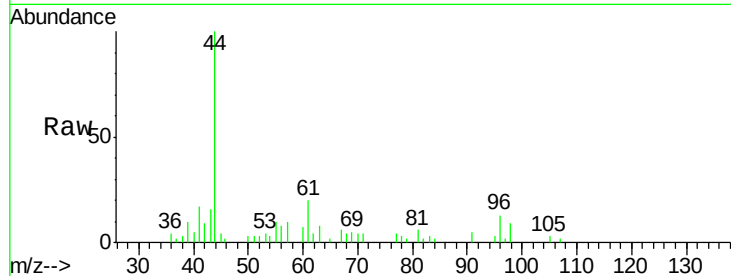
Tot Ion: 96 Resp: 1337

Ion Ratio Lower Upper

96 100

61 153.8 109.1 202.7

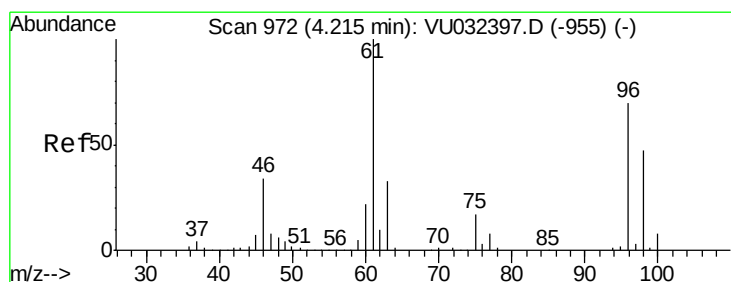
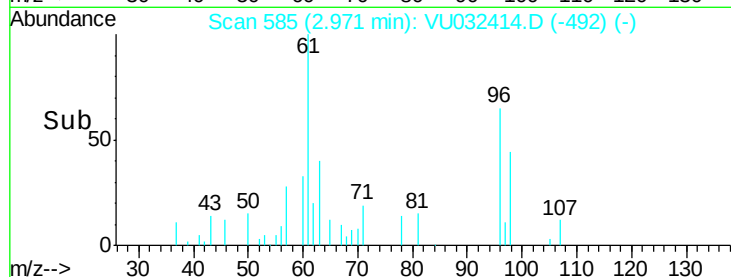
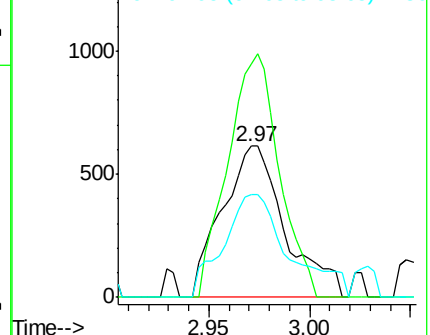
98 68.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU032414.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032414.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032414.D (-492) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.927 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032414.D

Acq: 03 Jun 2019 23:54

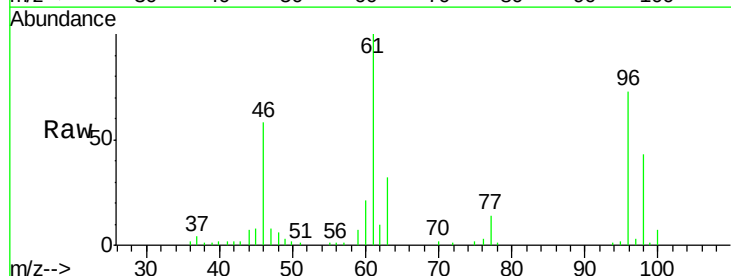
Tgt Ion: 96 Resp: 29852

Ion Ratio Lower Upper

96 100

61 137.9 99.0 183.8

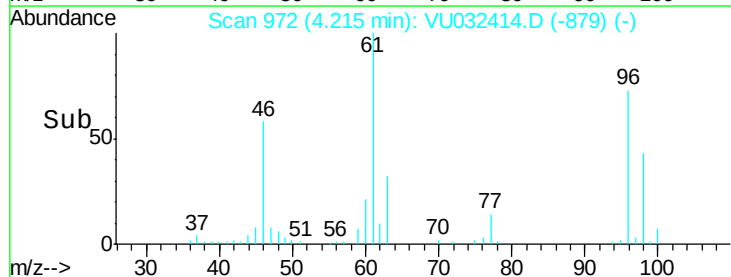
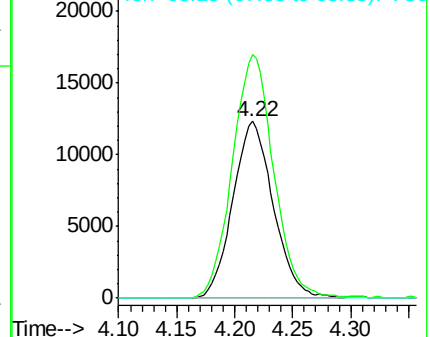
68 0.0 0.0 0.0

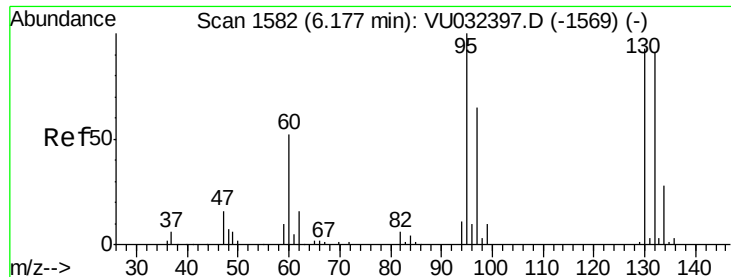


Abundance Ion 96.00 (95.70 to 96.70): VU032414.D (-879) (-)

Ion 61.05 (60.75 to 61.75): VU032414.D (-879) (-)

Ion 68.15 (67.85 to 68.85): VU032414.D (-879) (-)

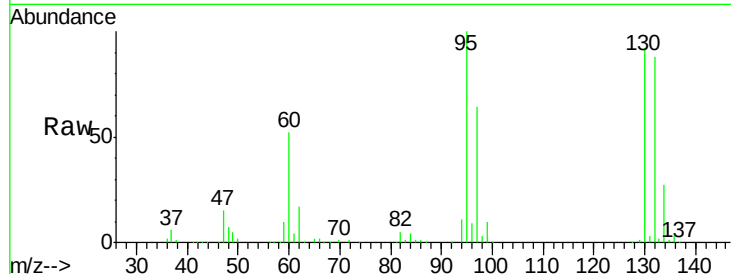




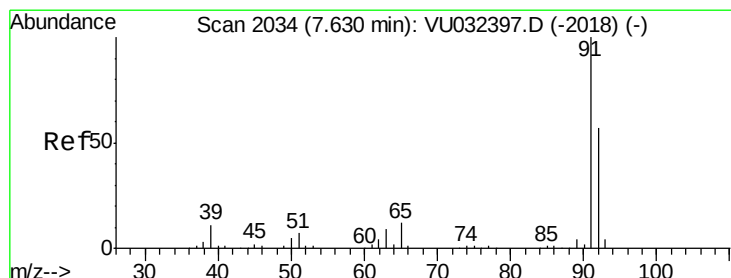
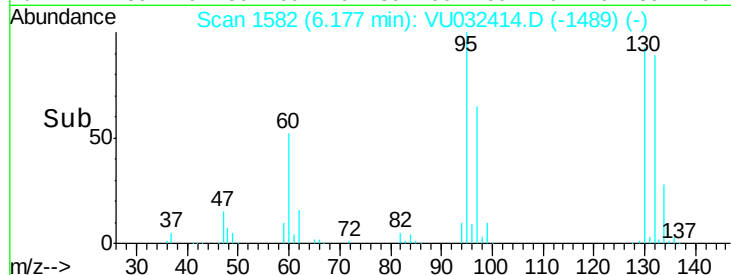
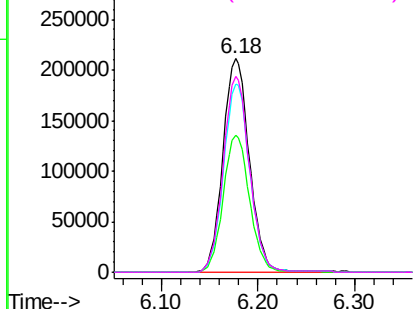
#34  
 Trichloroethene  
 Concen: 25.870 ug/L  
 RT: 6.18 min Scan# 1582  
 Delta R.T. -0.00 min  
 Lab File: VU032414.D  
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 MSVOA\_U  
 ClientSampleId :  
 GALD8

Tot Ion: 95 Resp: 403507  
 Ion Ratio Lower Upper  
 95 100  
 97 64.3 45.8 85.0  
 132 88.2 63.1 117.1  
 130 91.9 66.0 122.6

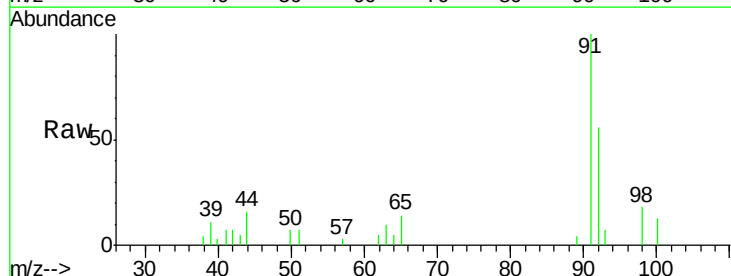


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V



#42  
 Toluene  
 Concen: 0.098 ug/L  
 RT: 7.64 min Scan# 2036  
 Delta R.T. 0.01 min  
 Lab File: VU032414.D  
 Acq: 03 Jun 2019 23:54

Tgt Ion: 91 Resp: 6045  
 Ion Ratio Lower Upper  
 91 100  
 92 56.2 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0  
 Ion 92.15 (91.85 to 92.85): VU0

