

Data File : VU035829.D  
Acq On : 25 Nov 2019 17:18  
Operator : JC/SP  
Sample : K5992-16  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GARF7

Quant Time: Nov 26 01:06:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 26 01:03:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 234574   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 268298   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 96789    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 127915   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 124475   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 167591   | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 20) 2-Butanone-d5              | 4.69   | 46    | 442354   | 62.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.76% |
| 24) Chloroform-d               | 5.11   | 84    | 253827   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 152157   | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.77   | 84    | 480156   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 171497   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 384892   | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.40%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 61222    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.20%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 349954   | 64.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 129.74% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 153020   | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 111523   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

#### Target Compounds

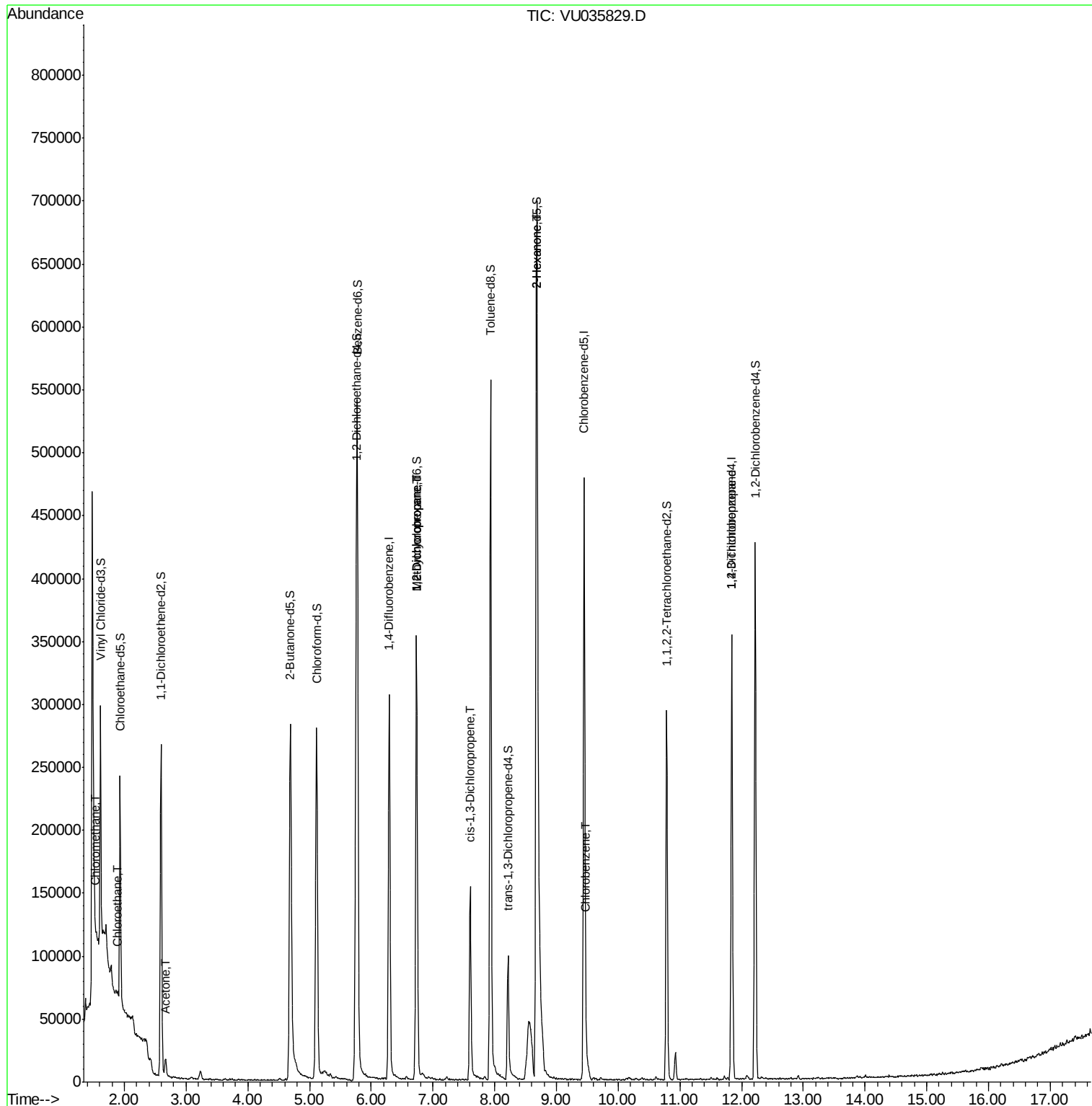
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane            | 1.54  | 50  | 3635  | 0.093 ug/L # | 78     |
| 8) Chloroethane             | 1.89  | 64  | 2969  | 0.131 ug/L # | 50     |
| 13) Acetone                 | 2.67  | 43  | 18054 | 2.899 ug/L   | 98     |
| 35) Methylcyclohexane       | 6.73  | 83  | 37888 | 0.940 ug/L # | 14     |
| 37) 1,2-Dichloropropane     | 6.73  | 63  | 18500 | 0.582 ug/L # | 90     |
| 39) cis-1,3-Dichloropropene | 7.60  | 75  | 3939  | 0.096 ug/L # | 78     |
| 48) 2-Hexanone              | 8.68  | 43  | 54151 | 3.772 ug/L # | 62     |
| 51) Chlorobenzene           | 9.48  | 112 | 6038  | 0.084 ug/L # | 85     |
| 59) 1,2,3-Trichloropropane  | 11.84 | 75  | 14804 | 0.717 ug/L   | 99     |

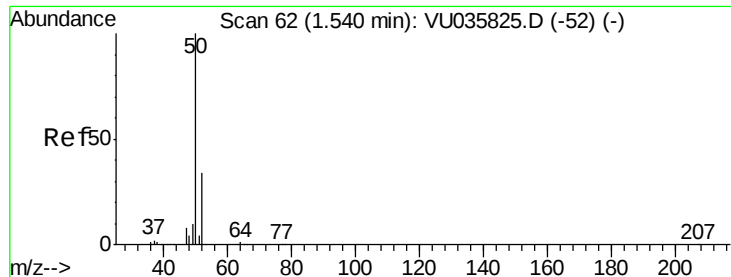
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.093 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035829.D

Acq: 25 Nov 2019 17:18

Instrument :

MSVOA\_U

ClientSampleId :

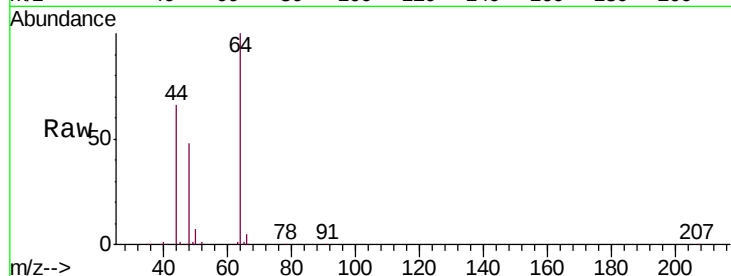
GARF7

Tgt Ion: 50 Resp: 3635

Ion Ratio Lower Upper

50 100

52 20.4 22.7 42.3#

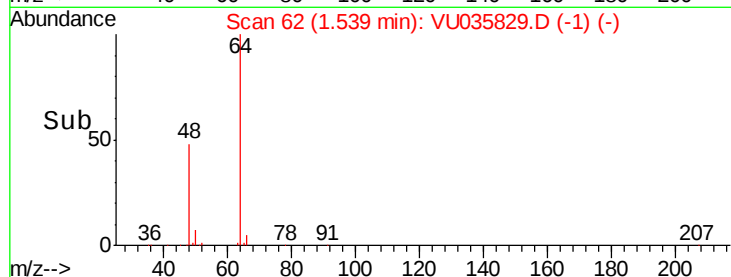


Abundance Ion 50.05 (49.75 to 50.75): VU035825.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035825.D (-52) (-)

1.54

Time-->

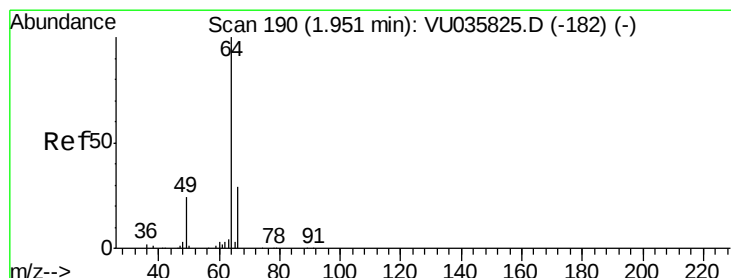


Abundance Ion 50.05 (49.75 to 50.75): VU035829.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035829.D (-1) (-)

1.54

Time-->



#8

Chloroethane

Concen: 0.131 ug/L

RT: 1.89 min Scan# 170

Delta R.T. -0.06 min

Lab File: VU035829.D

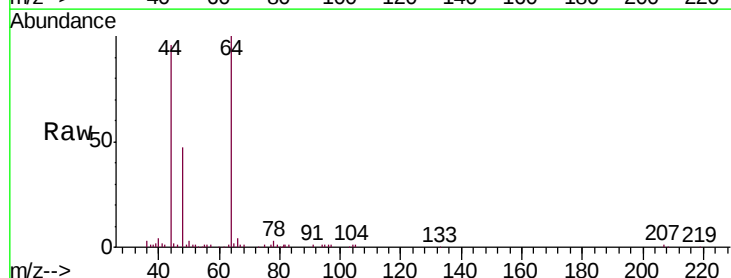
Acq: 25 Nov 2019 17:18

Tgt Ion: 64 Resp: 2969

Ion Ratio Lower Upper

64 100

66 4.2 22.3 41.5#

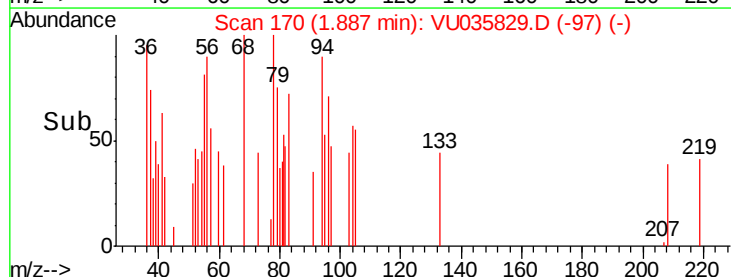


Abundance Ion 64.10 (63.80 to 64.80): VU035825.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035825.D (-182) (-)

1.89

Time-->

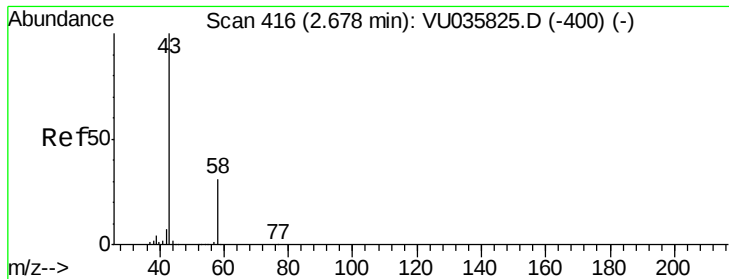


Abundance Ion 64.10 (63.80 to 64.80): VU035829.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU035829.D (-97) (-)

1.89

Time-->



#13

Acetone

Concen: 2.899 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035829.D

Acq: 25 Nov 2019 17:18

Instrument :

MSVOA\_U

ClientSampleId :

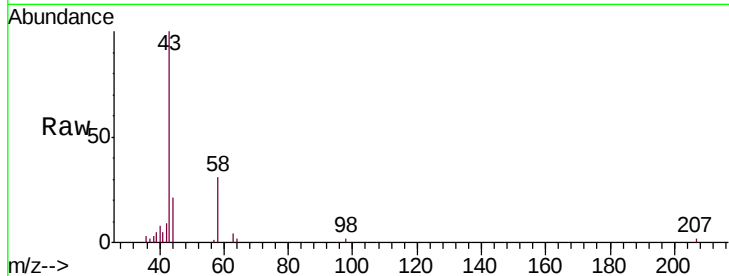
GARF7

Tgt Ion: 43 Resp: 18054

Ion Ratio Lower Upper

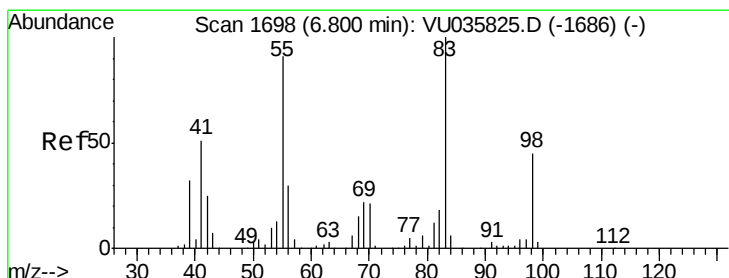
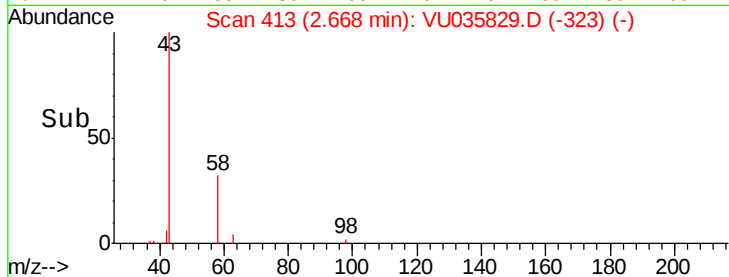
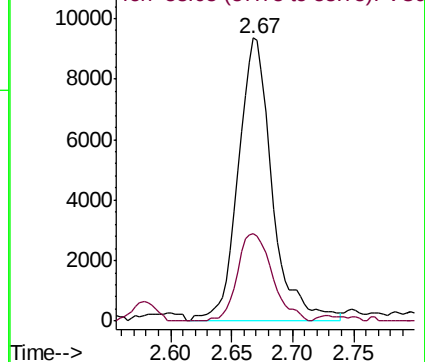
43 100

58 31.8 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035829.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035829.D (-323) (-)



#35

Methylcyclohexane

Concen: 0.940 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035829.D

Acq: 25 Nov 2019 17:18

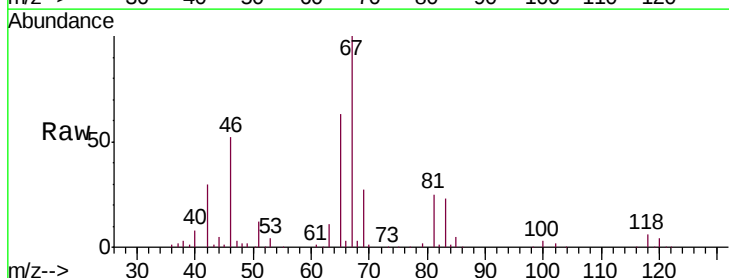
Tgt Ion: 83 Resp: 37888

Ion Ratio Lower Upper

83 100

55 0.5 72.7 109.1#

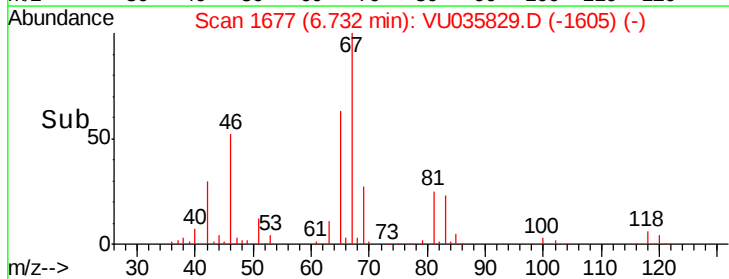
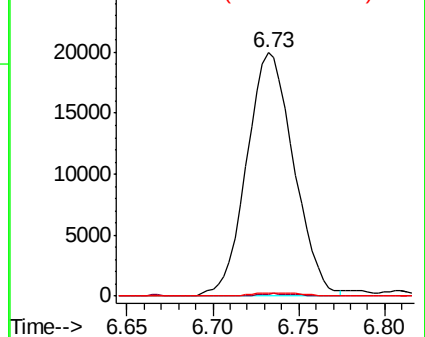
98 1.3 36.2 54.4#

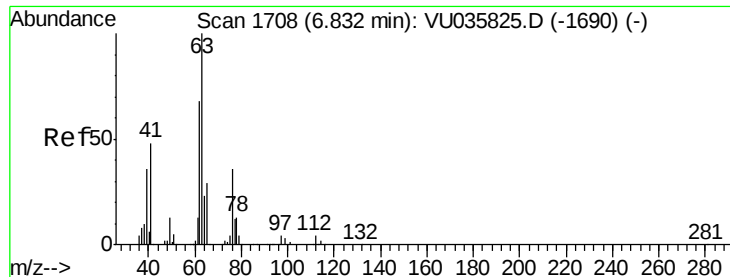


Abundance Ion 83.15 (82.85 to 83.85): VU035829.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035829.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035829.D (-1605) (-)

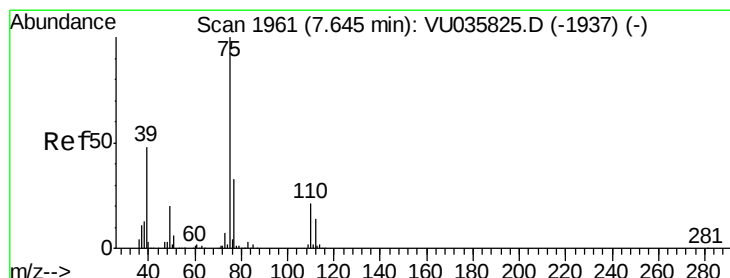
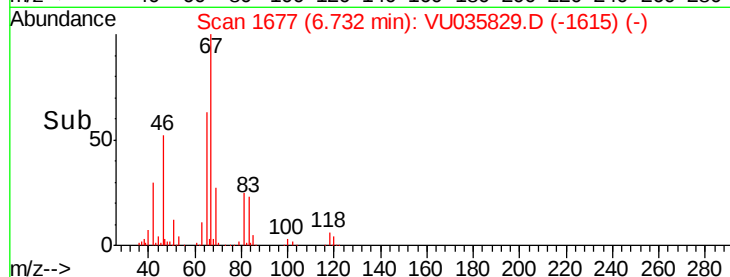
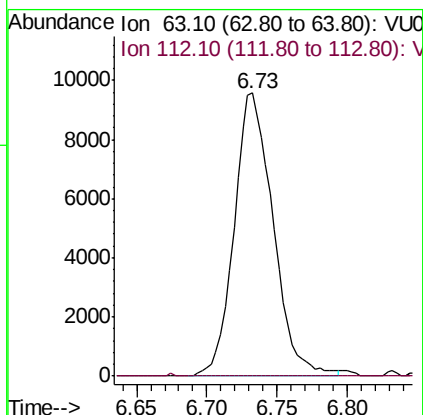
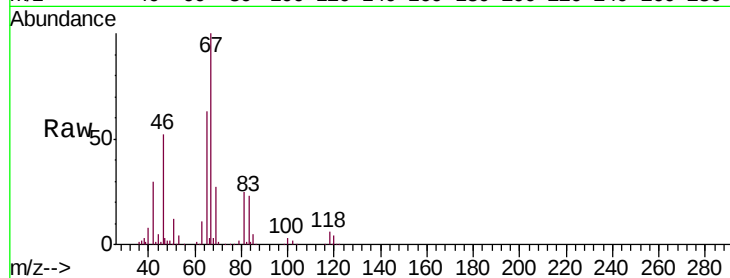




#37  
 1,2-Dichloropropane  
 Concen: 0.582 ug/L  
 RT: 6.73 min Scan# 1677  
 Delta R.T. -0.10 min  
 Lab File: VU035829.D  
 Acq: 25 Nov 2019 17:18

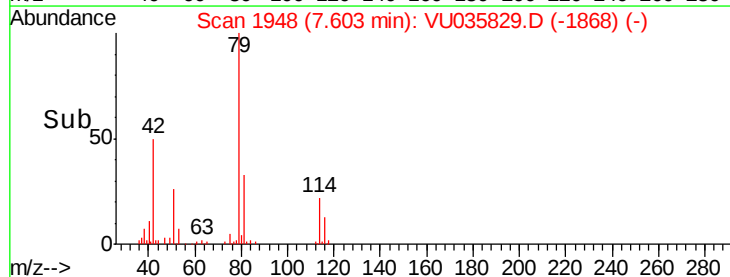
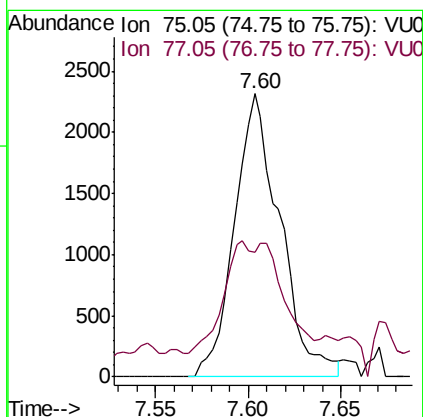
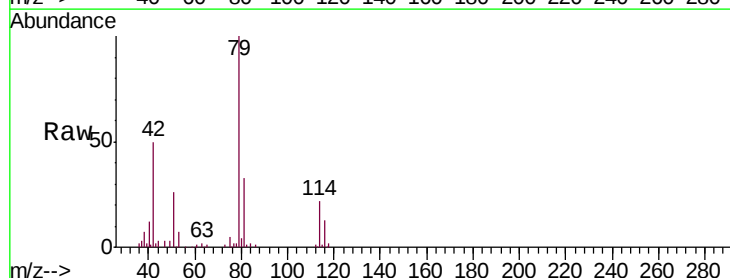
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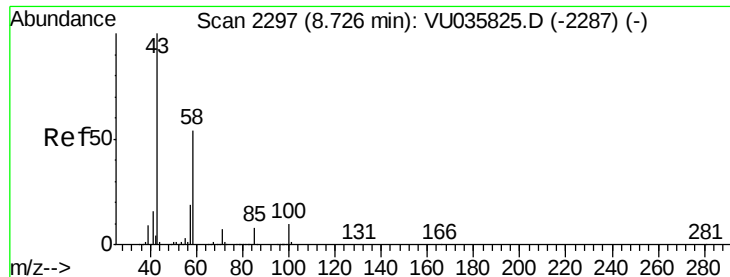
Tgt Ion: 63 Resp: 18500  
 Ion Ratio Lower Upper  
 63 100  
 112 0.1 2.7 4.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.096 ug/L  
 RT: 7.60 min Scan# 1948  
 Delta R.T. -0.04 min  
 Lab File: VU035829.D  
 Acq: 25 Nov 2019 17:18

Tgt Ion: 75 Resp: 3939  
 Ion Ratio Lower Upper  
 75 100  
 77 44.0 22.1 41.1#

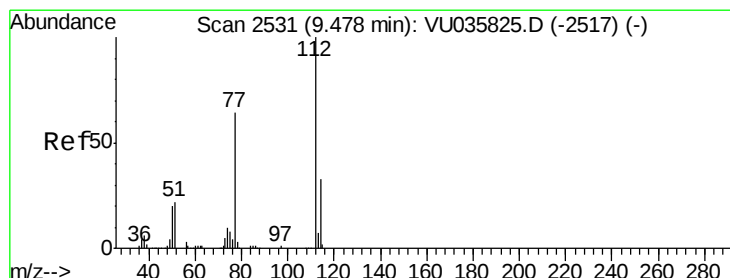
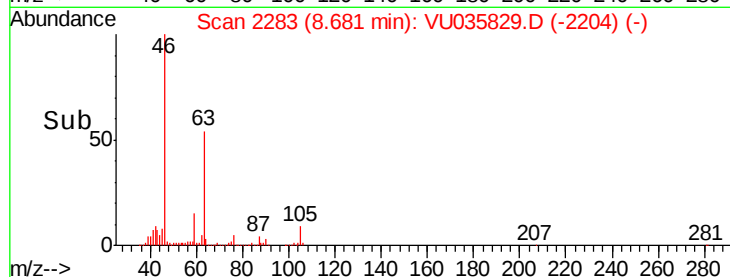
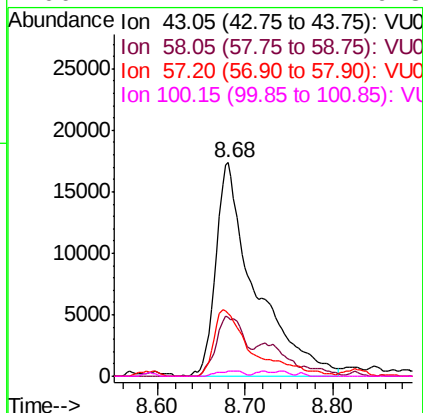
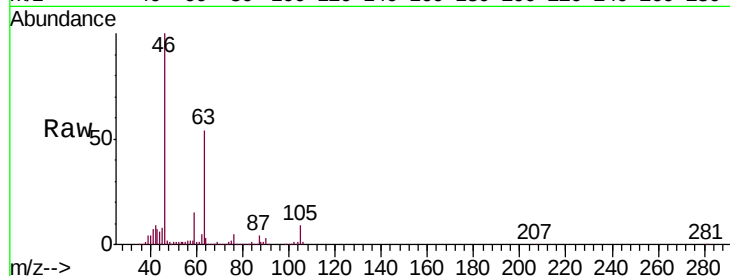




#48  
2-Hexanone  
Concen: 3.772 ug/L  
RT: 8.68 min Scan# 2283  
Delta R.T. -0.05 min  
Lab File: VU035829.D  
Acq: 25 Nov 2019 17:18

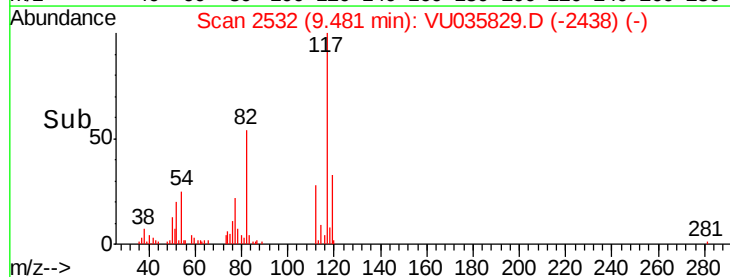
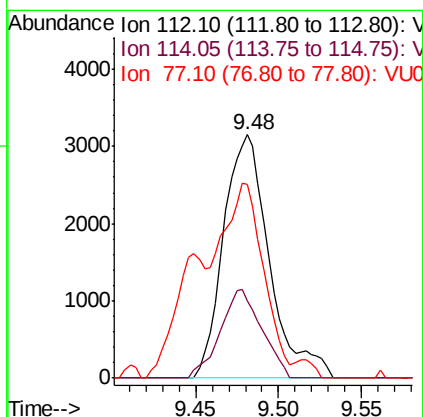
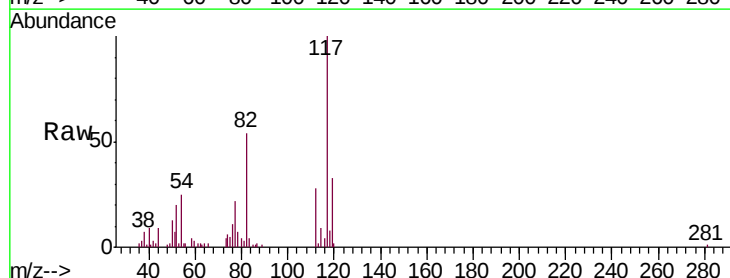
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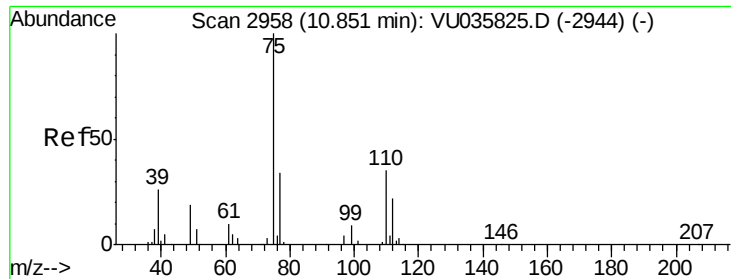
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 54151 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 19.7  | 39.8  | 59.8# |
| 57       | 30.4  | 14.0  | 21.0# |
| 100      | 1.7   | 7.2   | 10.8# |



#51  
Chlorobenzene  
Concen: 0.084 ug/L  
RT: 9.48 min Scan# 2532  
Delta R.T. 0.00 min  
Lab File: VU035829.D  
Acq: 25 Nov 2019 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 6038  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.9  | 22.2  | 41.2  |
| 77       | 79.8  | 50.1  | 75.1# |





#59

1,2,3-Trichloropropane

Concen: 0.717 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035829.D

Acq: 25 Nov 2019 17:18

Instrument :

MSVOA\_U

ClientSampleId :

GARF7

Tgt Ion: 75 Resp: 14804

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

