

Data File : VU028166.D  
Acq On : 15 Nov 2018 12:08  
Operator : MD/SY  
Sample : J5943-16DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0FN2DL

Quant Time: Nov 16 00:48:00 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 16 00:43:47 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 130700   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 126555   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 59145    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 43507    | 4.01     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 36125    | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.80% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 62611    | 3.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.80% |
| 20) 2-Butanone-d5              | 4.19   | 46    | 149984   | 47.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.36% |
| 24) Chloroform-d               | 4.65   | 84    | 78691    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 45731    | 4.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 161007   | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.60% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 58289    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 141808   | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.80% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 18641    | 4.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 110270   | 41.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.30% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 42007    | 4.57     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 49739    | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.00% |

#### Target Compounds

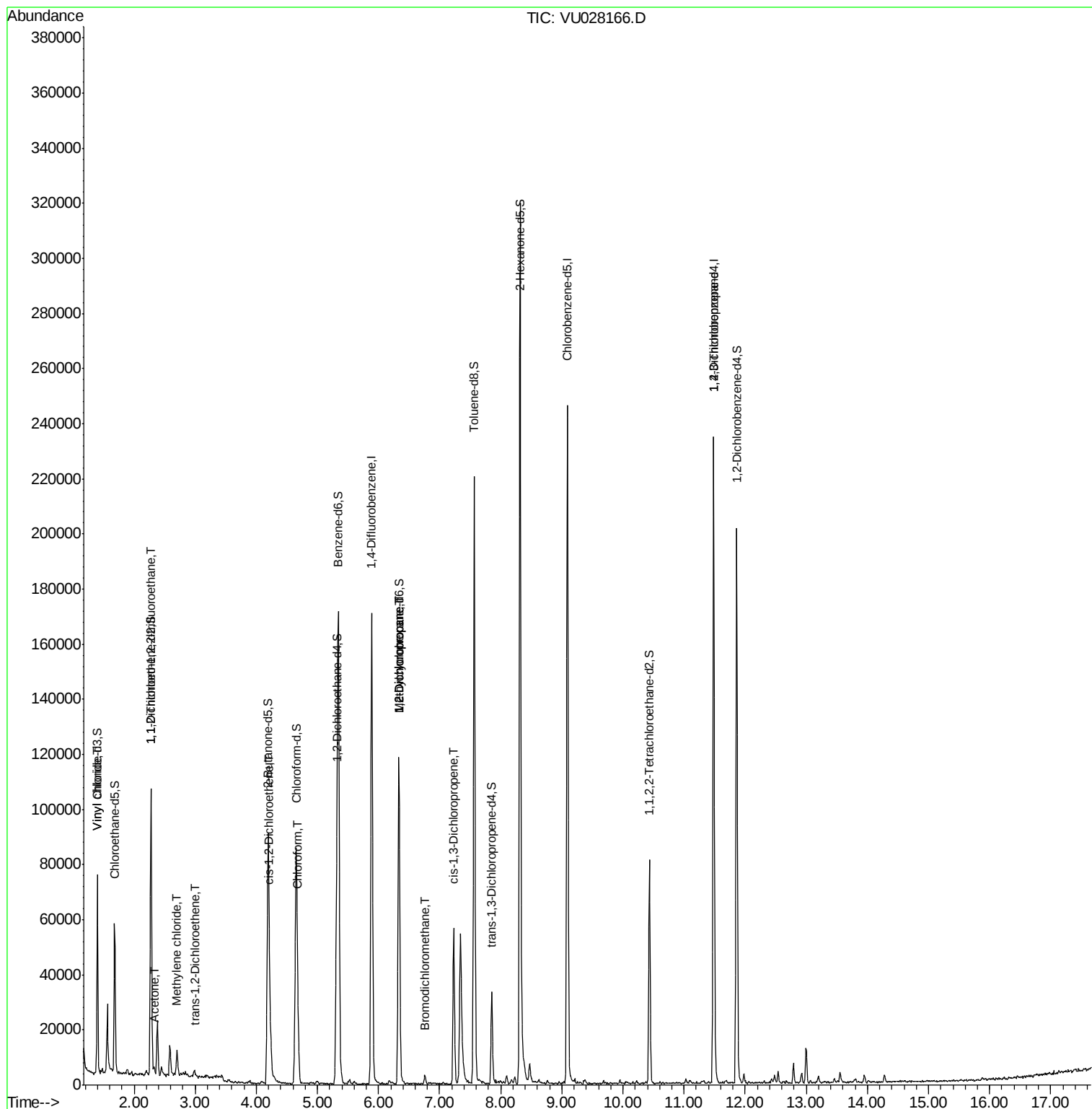
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 5) Vinyl chloride              | 1.40  | 62  | 4310  | 0.308 | ug/L # | 74     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28  | 101 | 464   | 0.054 | ug/L # | 20     |
| 13) Acetone                    | 2.33  | 43  | 2376  | 1.122 | ug/L   | 83     |
| 16) Methylene chloride         | 2.70  | 84  | 3289  | 0.320 | ug/L   | 89     |
| 18) trans-1,2-Dichloroethene   | 2.99  | 96  | 643   | 0.070 | ug/L   | 90     |
| 22) cis-1,2-Dichloroethene     | 4.22  | 96  | 2213  | 0.217 | ug/L   | 93     |
| 25) Chloroform                 | 4.68  | 83  | 20005 | 1.148 | ug/L   | 86     |
| 35) Methylcyclohexane          | 6.33  | 83  | 11685 | 0.645 | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.34  | 63  | 5997  | 0.509 | ug/L # | 92     |
| 38) Bromodichloromethane       | 6.76  | 83  | 2304  | 0.184 | ug/L   | 98     |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 1078  | 0.068 | ug/L # | 34     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 8547  | 1.291 | ug/L   | 95     |

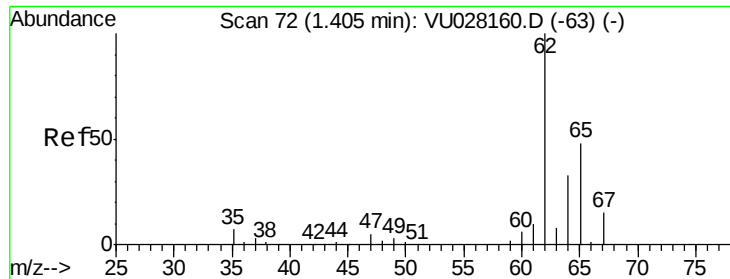
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.308 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028166.D

Acq: 15 Nov 2018 12:08

Instrument :

MSVOA\_U

ClientSampleId :

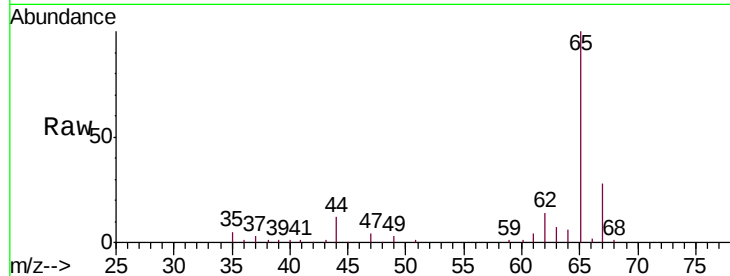
H0FN2DL

Tgt Ion: 62 Resp: 4310

Ion Ratio Lower Upper

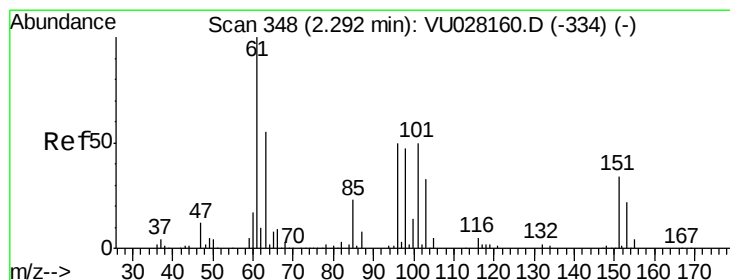
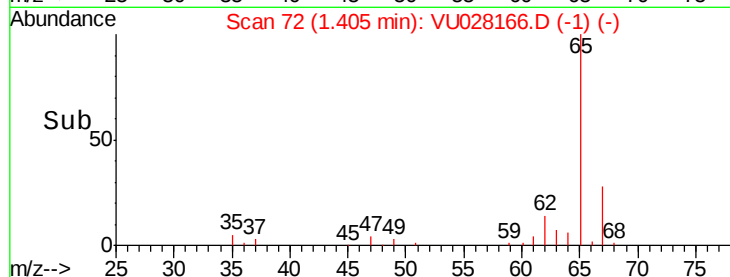
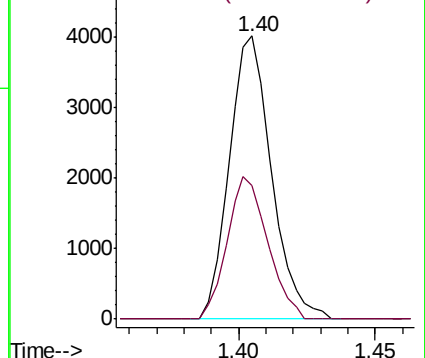
62 100

64 47.1 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.054 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028166.D

Acq: 15 Nov 2018 12:08

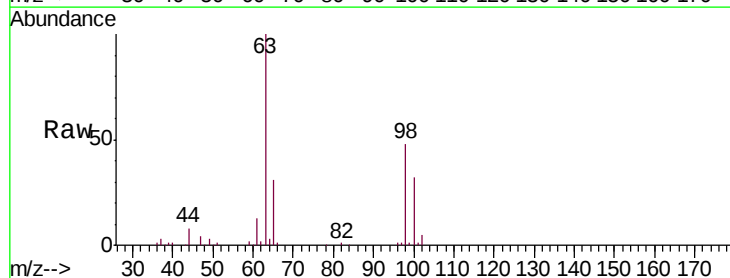
Tgt Ion: 101 Resp: 464

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

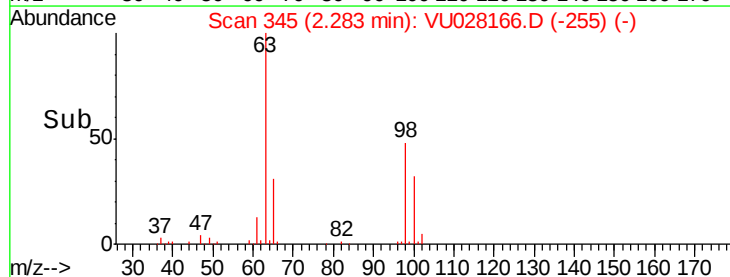
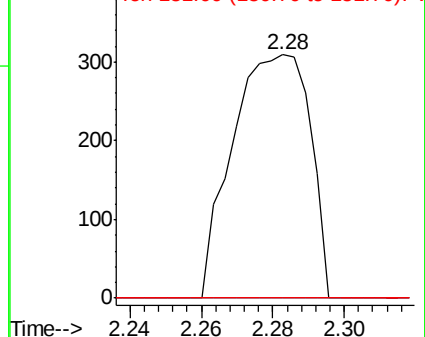
151 0.0 58.2 87.2#

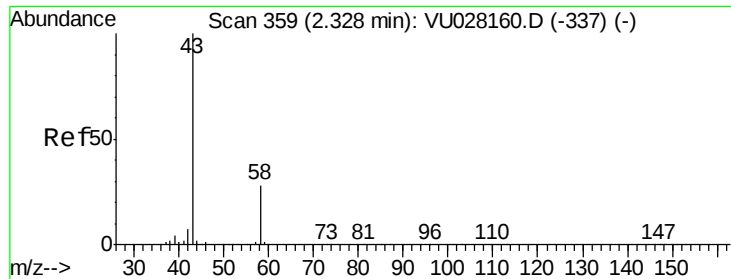


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.122 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028166.D

Acq: 15 Nov 2018 12:08

Instrument :

MSVOA\_U

ClientSampleId :

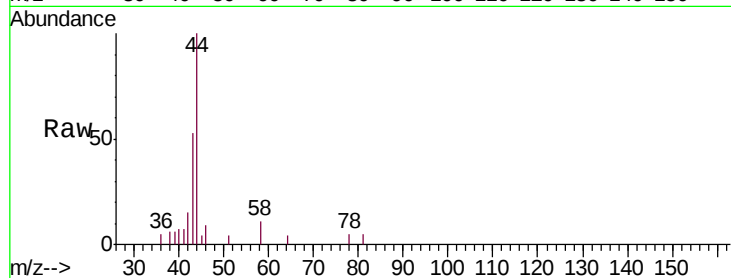
H0FN2DL

Tgt Ion: 43 Resp: 2376

Ion Ratio Lower Upper

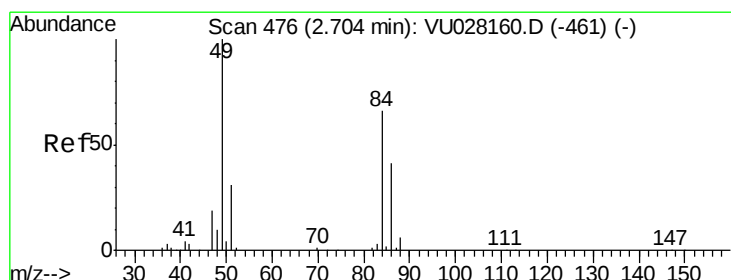
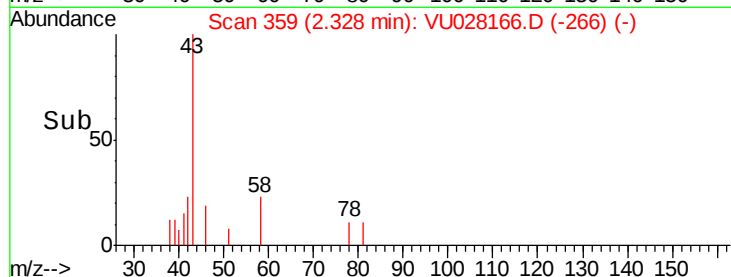
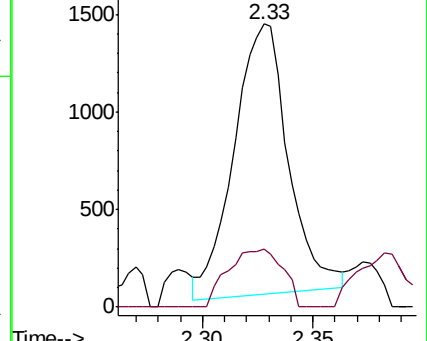
43 100

58 21.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.320 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028166.D

Acq: 15 Nov 2018 12:08

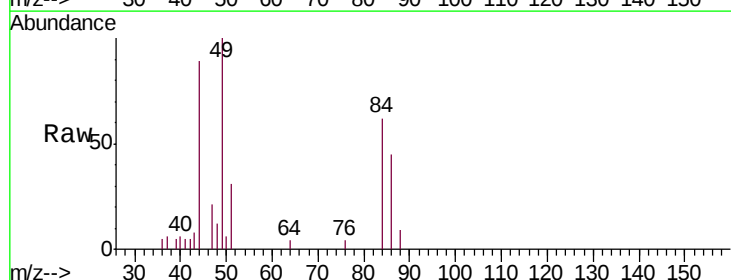
Tgt Ion: 84 Resp: 3289

Ion Ratio Lower Upper

84 100

86 72.0 44.6 82.8

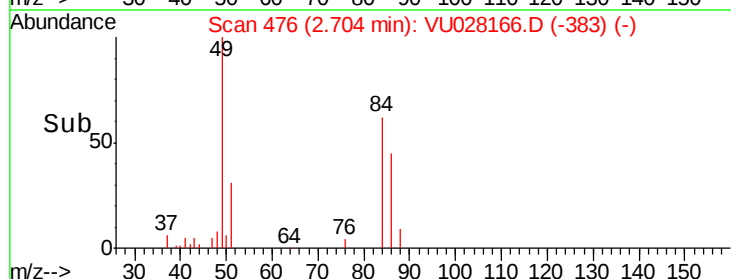
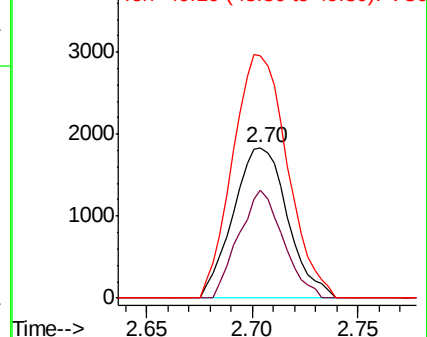
49 161.0 102.5 190.3

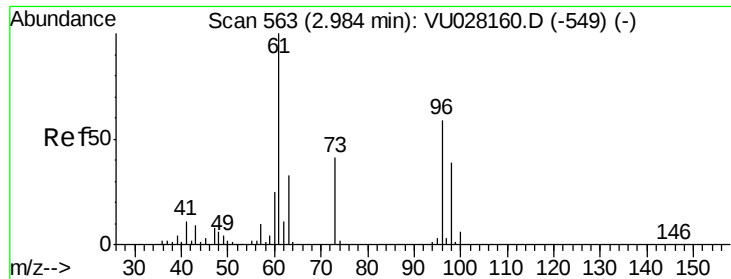


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

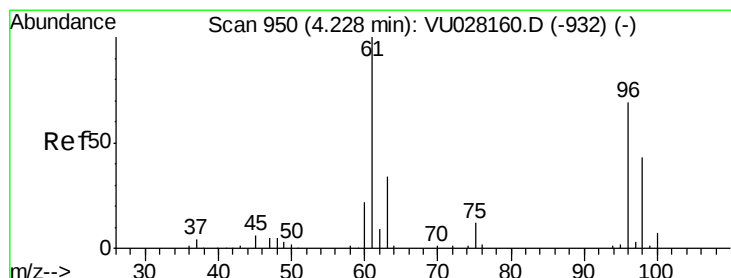
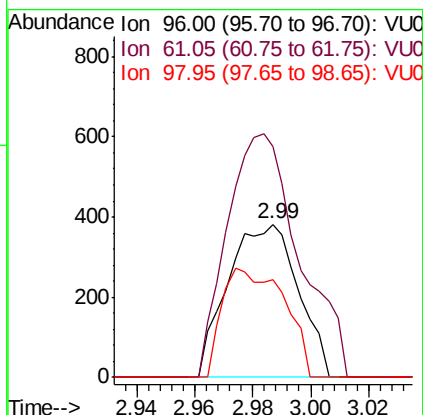
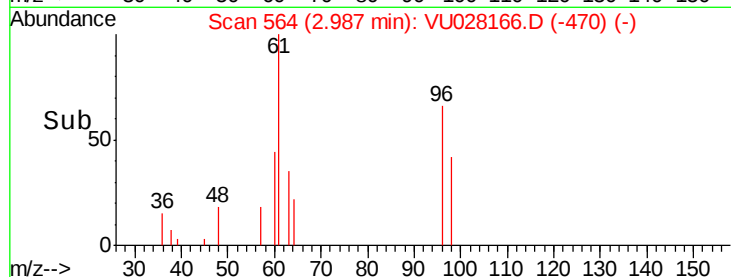
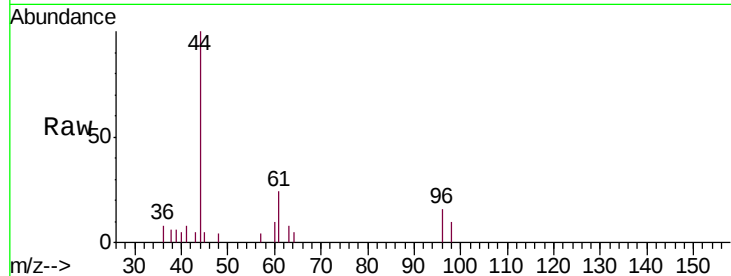




#18  
 trans-1,2-Dichloroethene  
 Concen: 0.070 ug/L  
 RT: 2.99 min Scan# 564  
 Delta R.T. 0.00 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

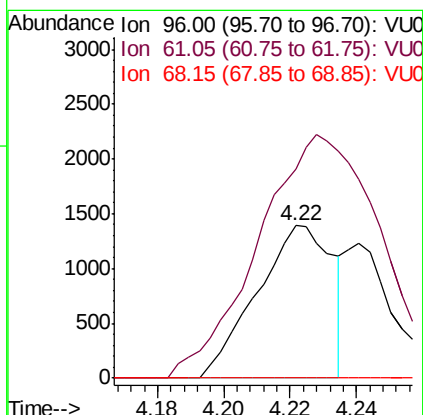
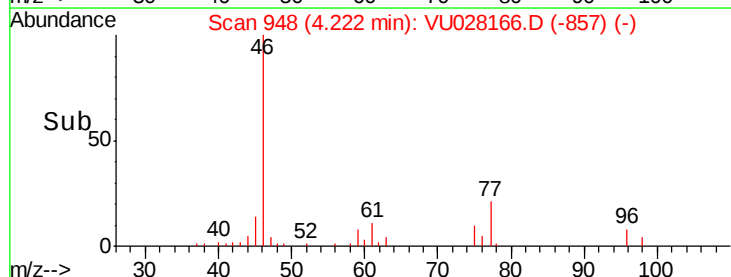
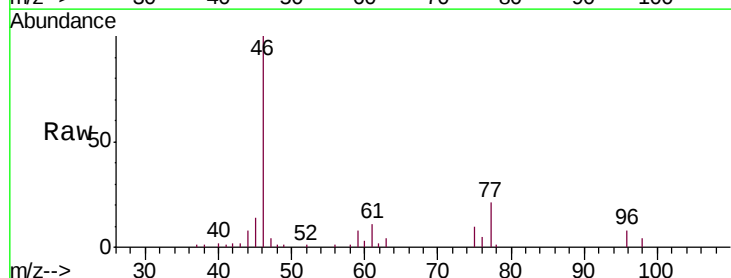
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FN2DL

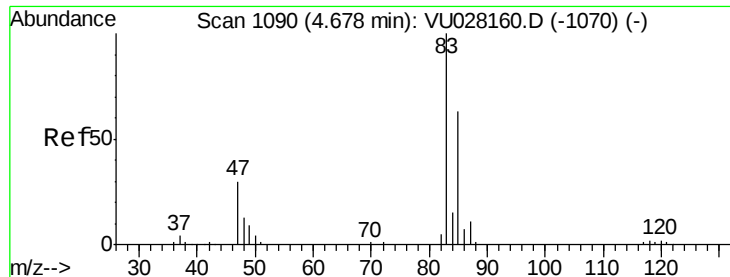
Tgt Ion: 96 Resp: 643  
 Ion Ratio Lower Upper  
 96 100  
 61 151.0 118.5 220.1  
 98 63.9 44.9 83.5



#22  
 cis-1,2-Dichloroethene  
 Concen: 0.217 ug/L  
 RT: 4.22 min Scan# 948  
 Delta R.T. -0.01 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

Tgt Ion: 96 Resp: 2213  
 Ion Ratio Lower Upper  
 96 100  
 61 137.1 101.8 189.0  
 68 0.0 0.0 0.0

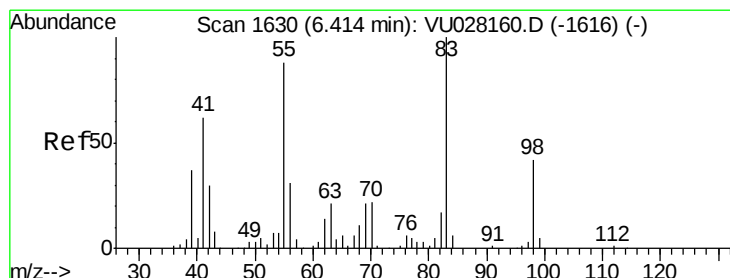
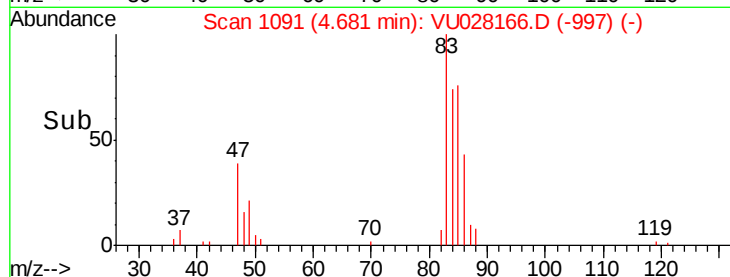
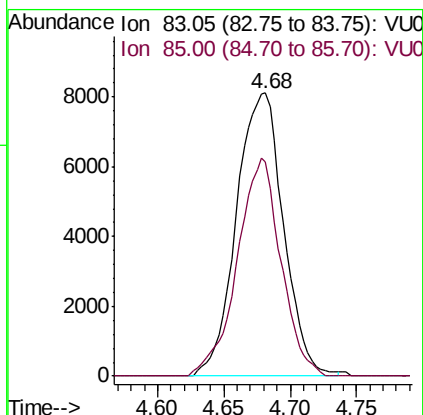
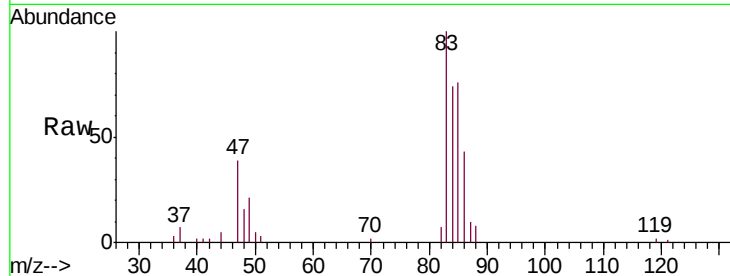




#25  
Chloroform  
Concen: 1.148 ug/L  
RT: 4.68 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: VU028166.D  
Acq: 15 Nov 2018 12:08

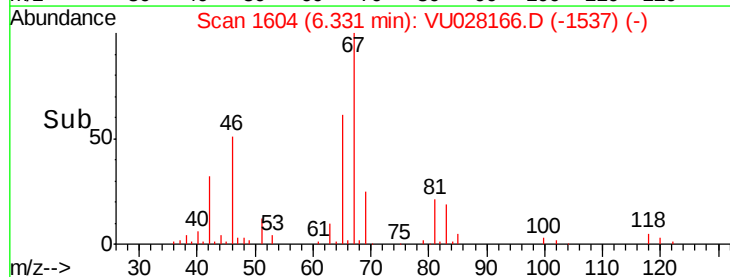
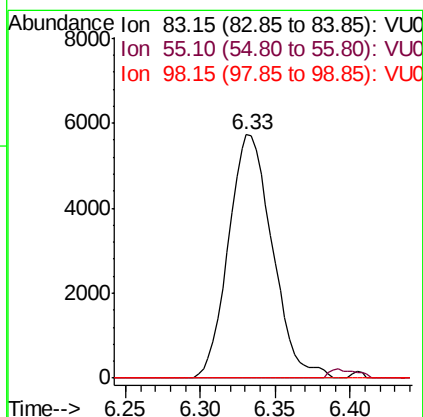
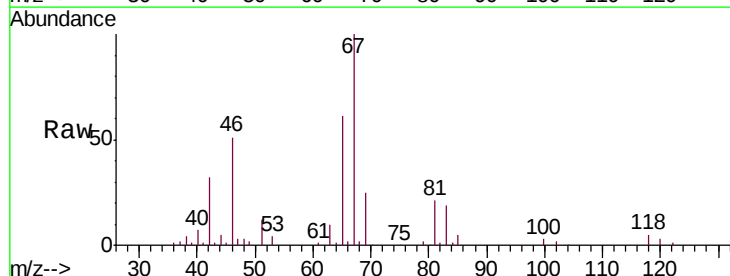
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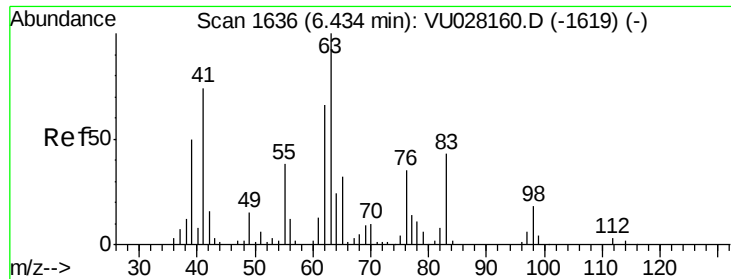
Tgt Ion: 83 Resp: 20005  
Ion Ratio Lower Upper  
83 100  
85 75.5 45.0 83.6



#35  
Methylcyclohexane  
Concen: 0.645 ug/L  
RT: 6.33 min Scan# 1604  
Delta R.T. -0.08 min  
Lab File: VU028166.D  
Acq: 15 Nov 2018 12:08

Tgt Ion: 83 Resp: 11685  
Ion Ratio Lower Upper  
83 100  
55 2.3 69.0 103.4#  
98 0.0 33.3 49.9#

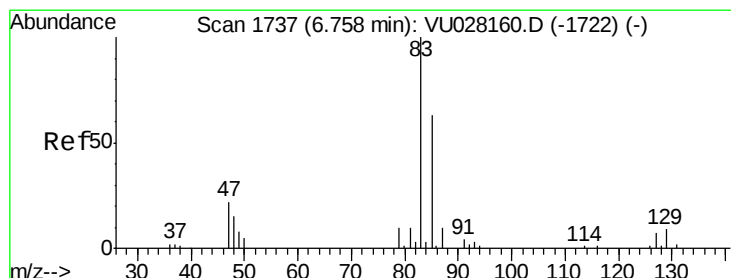
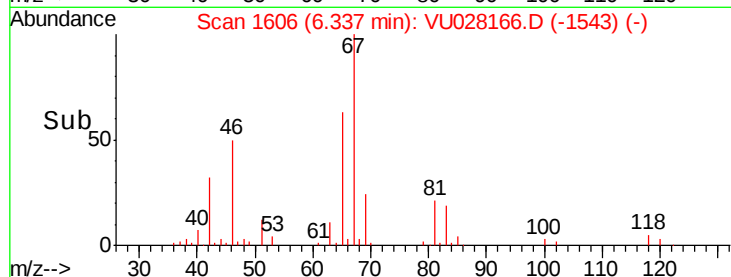
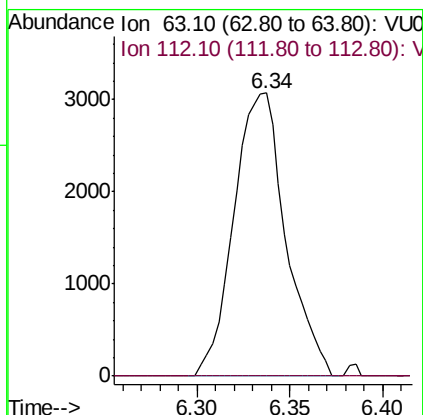
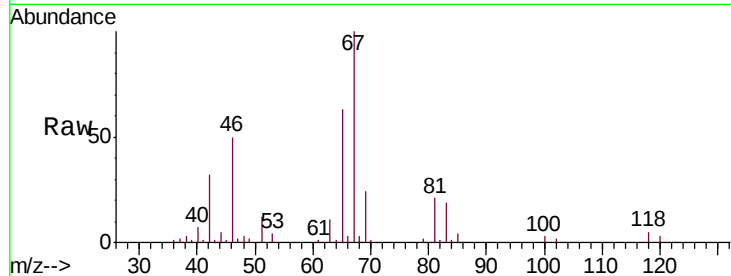




#37  
 1,2-Dichloropropane  
 Concen: 0.509 ug/L  
 RT: 6.34 min Scan# 1606  
 Delta R.T. -0.10 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

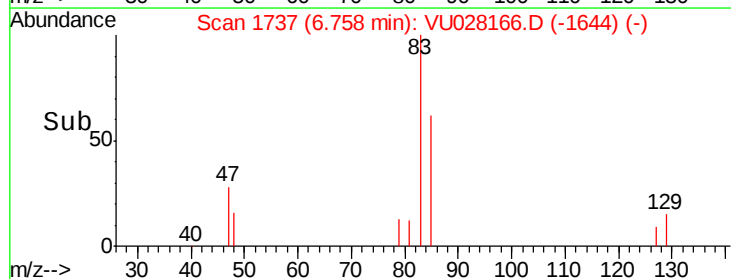
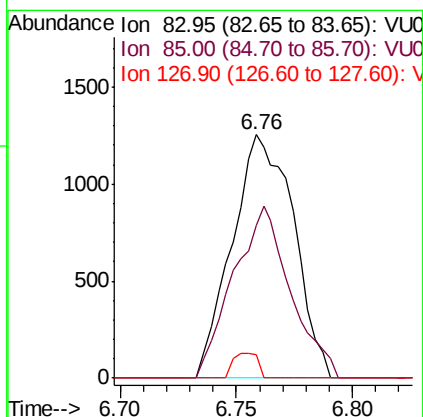
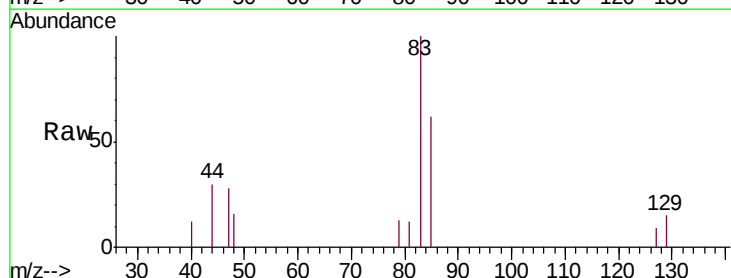
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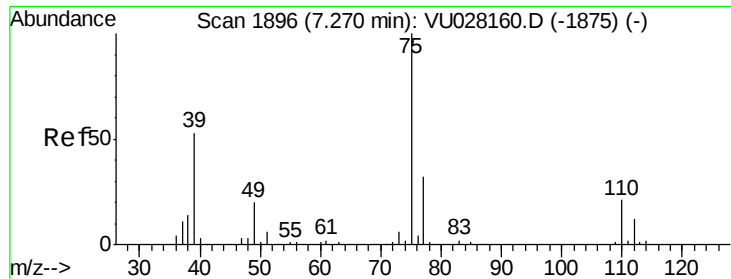
Tgt Ion: 63 Resp: 5997  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.2 3.4#



#38  
 Bromodichloromethane  
 Concen: 0.184 ug/L  
 RT: 6.76 min Scan# 1737  
 Delta R.T. 0.00 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

Tgt Ion: 83 Resp: 2304  
 Ion Ratio Lower Upper  
 83 100  
 85 62.5 44.5 82.7  
 127 9.4 6.8 10.2

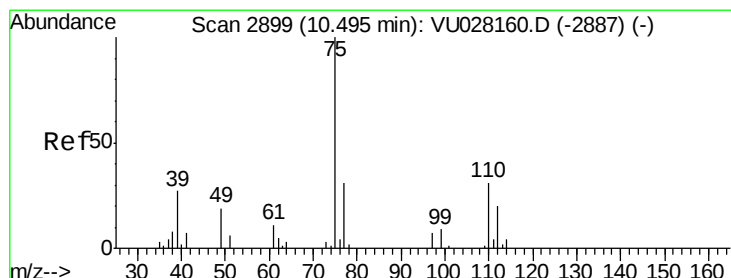
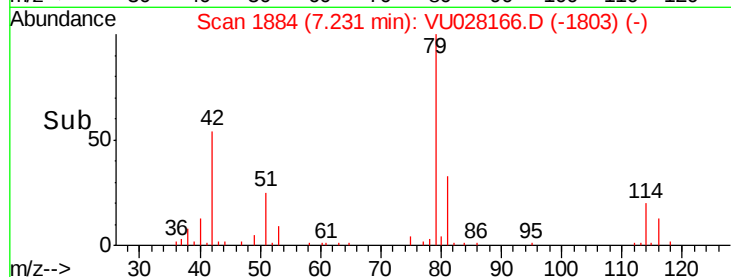
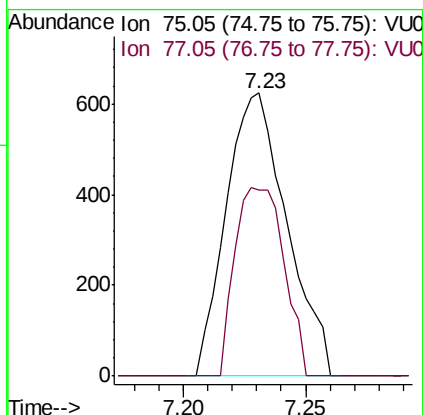
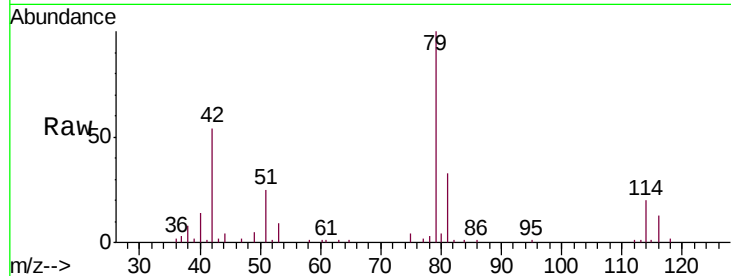




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.068 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FN2DL

Tgt Ion: 75 Resp: 1078  
 Ion Ratio Lower Upper  
 75 100  
 77 65.7 20.9 38.9#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.291 ug/L  
 RT: 11.48 min Scan# 3206  
 Delta R.T. 0.99 min  
 Lab File: VU028166.D  
 Acq: 15 Nov 2018 12:08

Tgt Ion: 75 Resp: 8547  
 Ion Ratio Lower Upper  
 75 100  
 77 34.5 25.4 38.0

