

Data File : VU028173.D  
Acq On : 15 Nov 2018 15:51  
Operator : MD/SY  
Sample : J5947-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9C17

Quant Time: Nov 16 00:50:13 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  | 170184   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 167809   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 76226    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 54324    | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 47146    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 79280    | 3.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.20%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 215531   | 52.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.24% |
| 24) Chloroform-d               | 4.65   | 84    | 102309   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 60093    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80%  |
| 32) Benzene-d6                 | 5.34   | 84    | 204887   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 76770    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%  |
| 41) Toluene-d8                 | 7.57   | 98    | 177477   | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 23155    | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 163330   | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.04%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 55678    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 63162    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.60%  |

#### Target Compounds

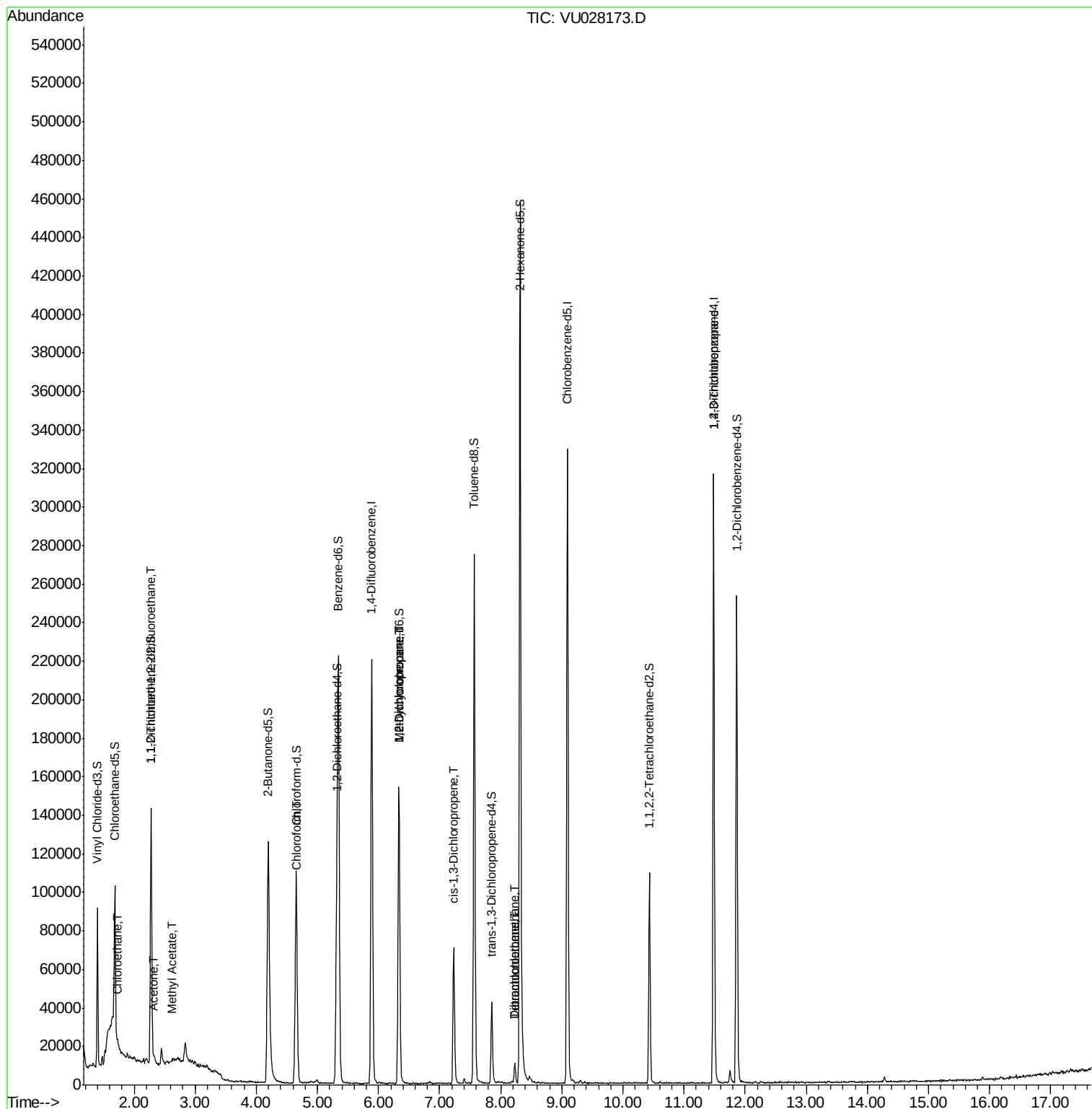
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 8) Chloroethane                | 1.73  | 64  | 2292  | 0.209 | ug/L # | 49 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29  | 101 | 684   | 0.061 | ug/L # | 20 |
| 13) Acetone                    | 2.33  | 43  | 4286  | 1.554 | ug/L   | 79 |
| 15) Methyl Acetate             | 2.61  | 43  | 858   | 0.116 | ug/L # | 58 |
| 25) Chloroform                 | 4.67  | 83  | 1714  | 0.076 | ug/L # | 68 |
| 35) Methylcyclohexane          | 6.33  | 83  | 15099 | 0.629 | ug/L # | 15 |
| 37) 1,2-Dichloropropane        | 6.34  | 63  | 7778  | 0.498 | ug/L # | 92 |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 1434  | 0.068 | ug/L # | 62 |
| 47) Tetrachloroethene          | 8.23  | 164 | 2092  | 0.184 | ug/L   | 96 |
| 49) Dibromochloromethane       | 8.23  | 129 | 2173  | 0.216 | ug/L # | 11 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 11586 | 1.319 | ug/L   | 92 |

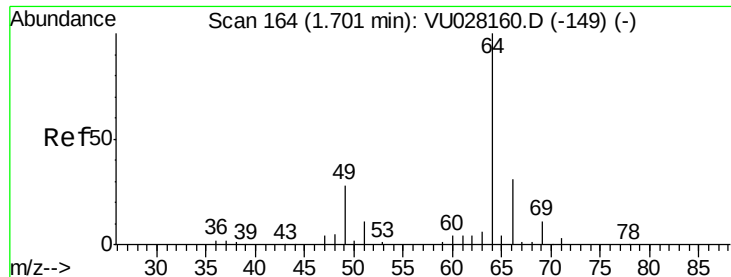
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.209 ug/L

RT: 1.73 min Scan# 173

Delta R.T. 0.03 min

Lab File: VU028173.D

Acq: 15 Nov 2018 15:51

Instrument :

MSVOA\_U

ClientSampleId :

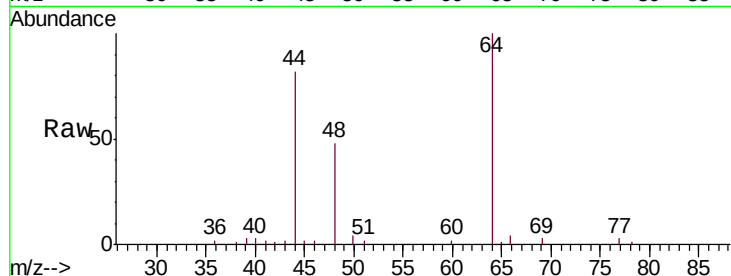
F9C17

Tgt Ion: 64 Resp: 2292

Ion Ratio Lower Upper

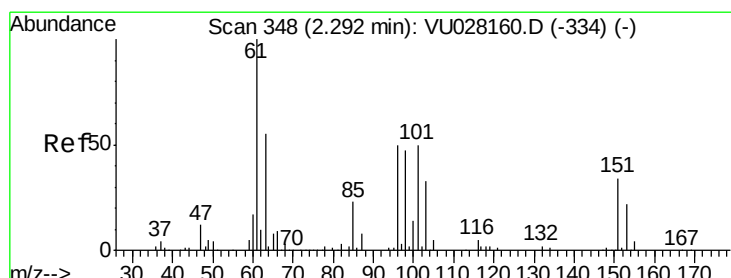
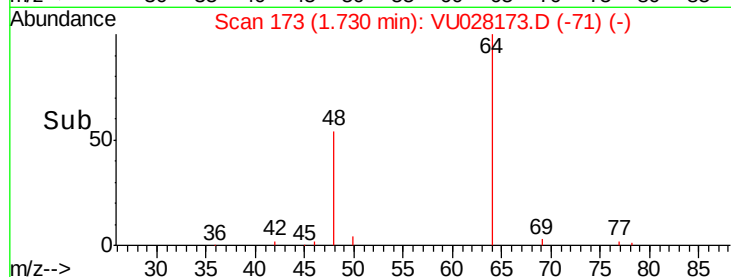
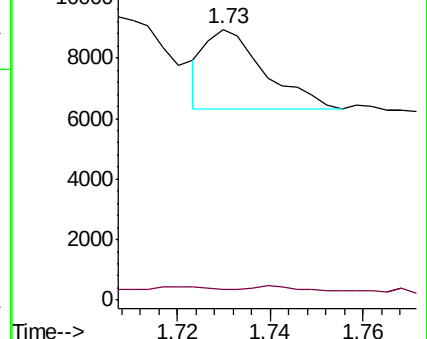
64 100

66 3.9 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.061 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.01 min

Lab File: VU028173.D

Acq: 15 Nov 2018 15:51

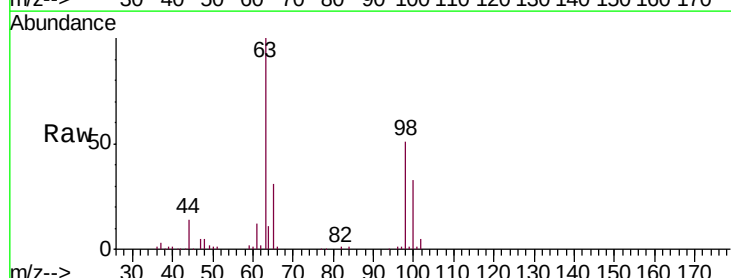
Tgt Ion: 101 Resp: 684

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

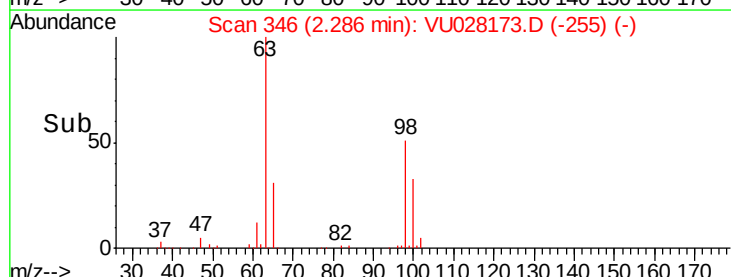
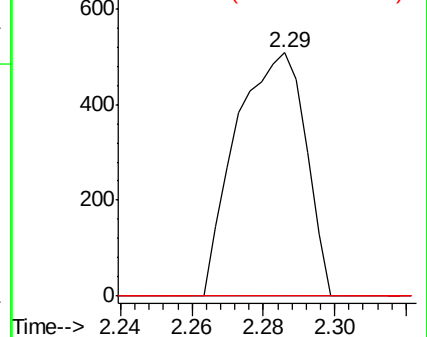
151 0.0 58.2 87.2#

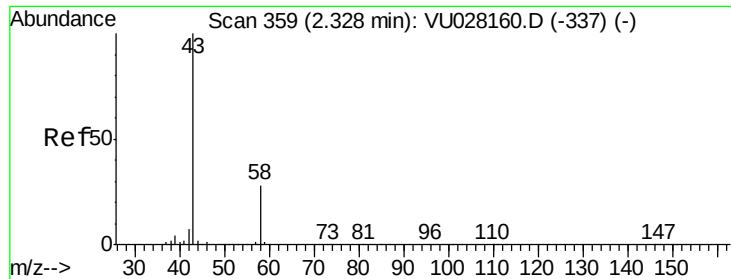


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.554 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028173.D

Acq: 15 Nov 2018 15:51

Instrument :

MSVOA\_U

ClientSampleId :

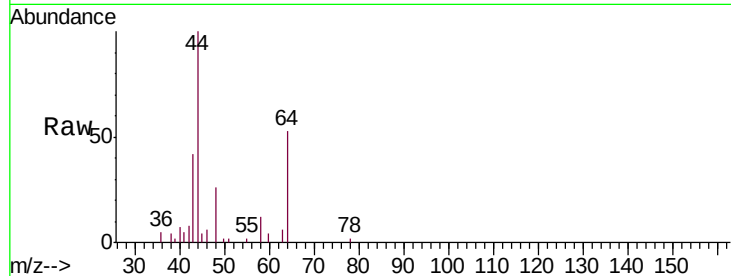
F9C17

Tgt Ion: 43 Resp: 4286

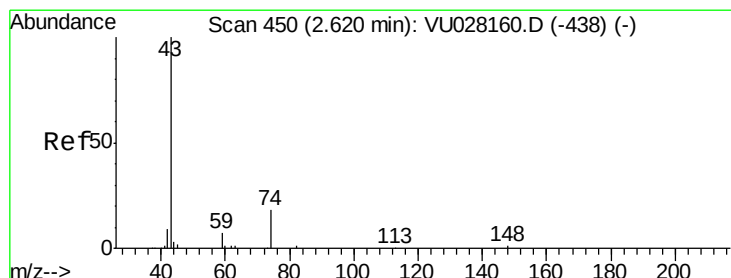
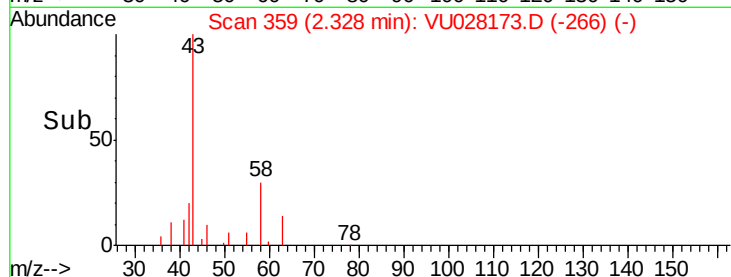
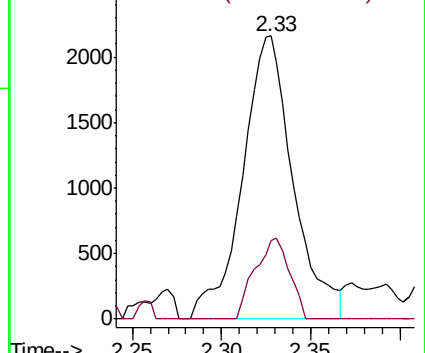
Ion Ratio Lower Upper

43 100

58 19.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028160.D (-337) (-)



#15

Methyl Acetate

Concen: 0.116 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.01 min

Lab File: VU028173.D

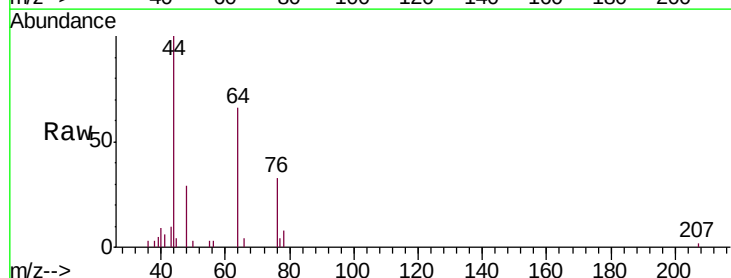
Acq: 15 Nov 2018 15:51

Tgt Ion: 43 Resp: 858

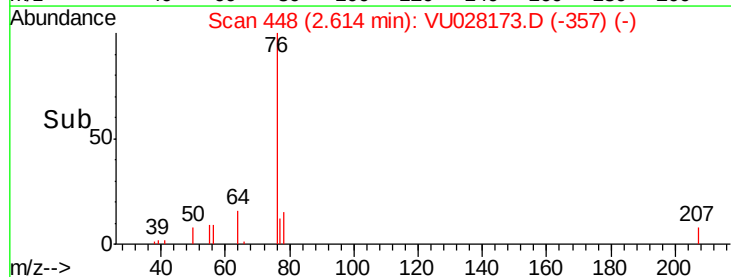
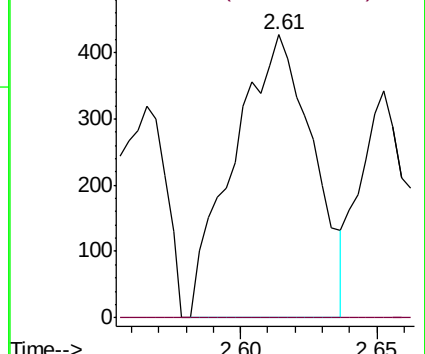
Ion Ratio Lower Upper

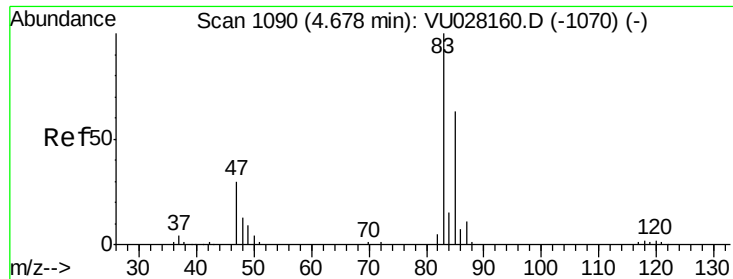
43 100

74 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU028160.D (-438) (-)

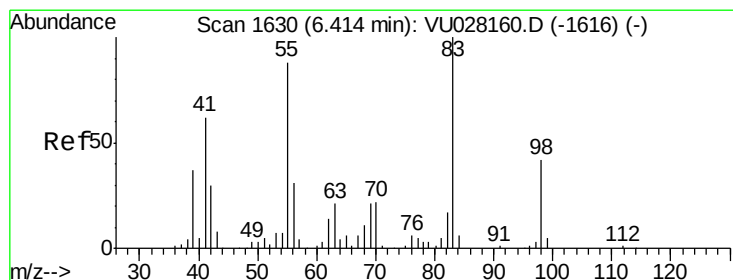
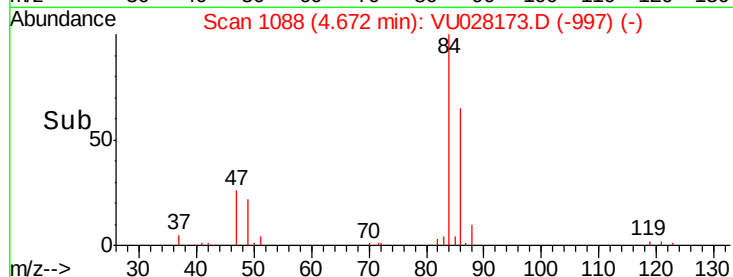
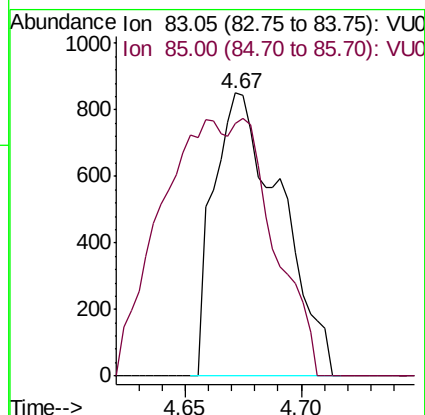
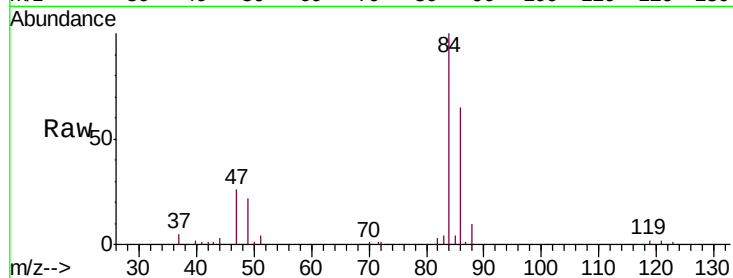




#25  
Chloroform  
Concen: 0.076 ug/L  
RT: 4.67 min Scan# 1088  
Delta R.T. -0.01 min  
Lab File: VU028173.D  
Acq: 15 Nov 2018 15:51

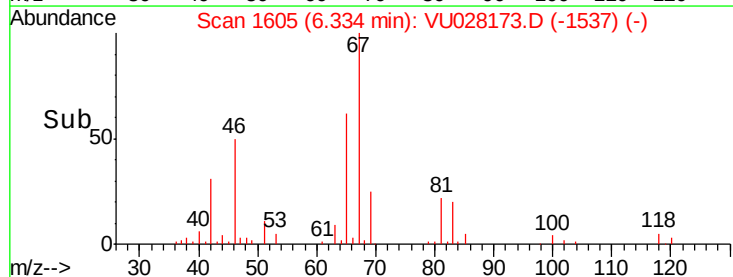
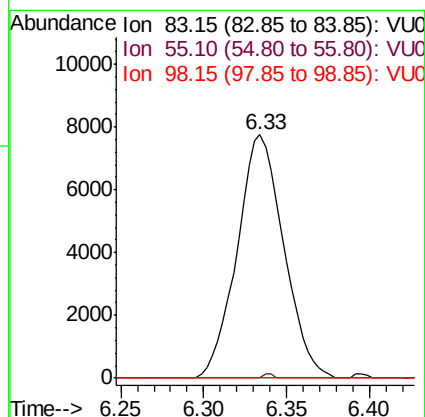
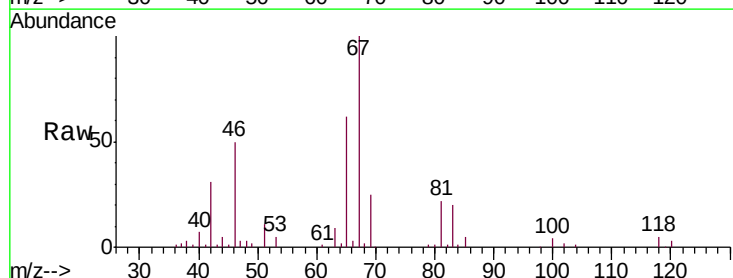
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MSVOA\_U  
ClientSampleId :  
F9C17

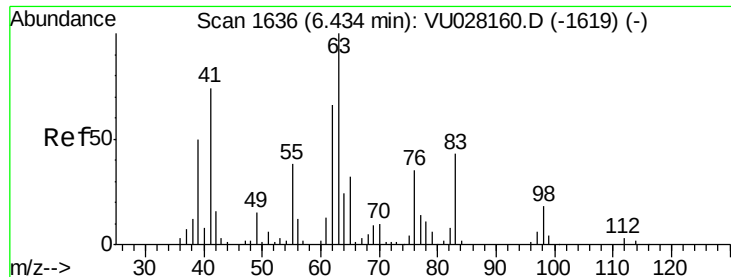
Tgt Ion: 83 Resp: 1714  
Ion Ratio Lower Upper  
83 100  
85 89.1 45.0 83.6#



#35  
Methylcyclohexane  
Concen: 0.629 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.08 min  
Lab File: VU028173.D  
Acq: 15 Nov 2018 15:51

Tgt Ion: 83 Resp: 15099  
Ion Ratio Lower Upper  
83 100  
55 0.3 69.0 103.4#  
98 0.0 33.3 49.9#

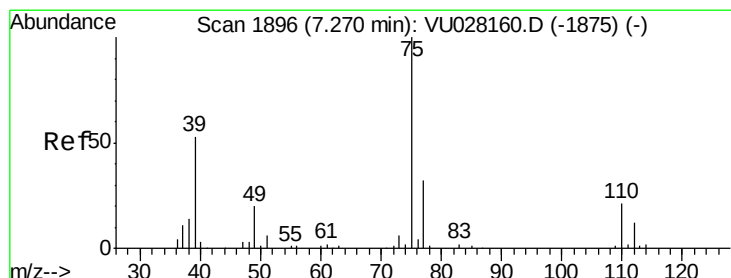
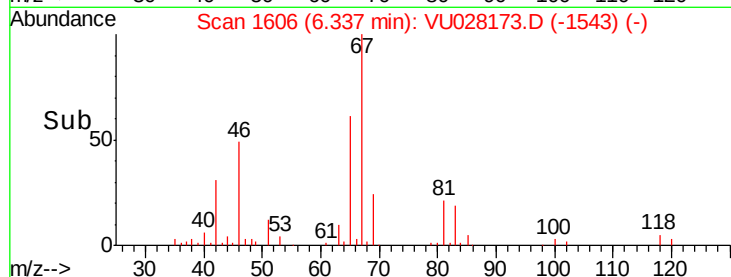
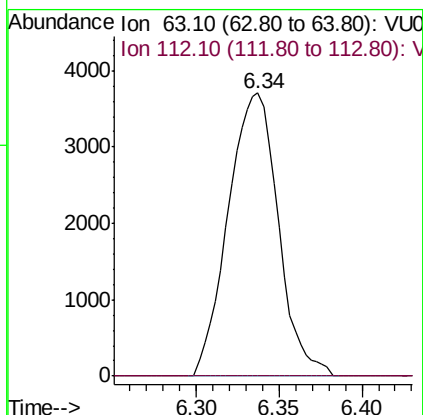
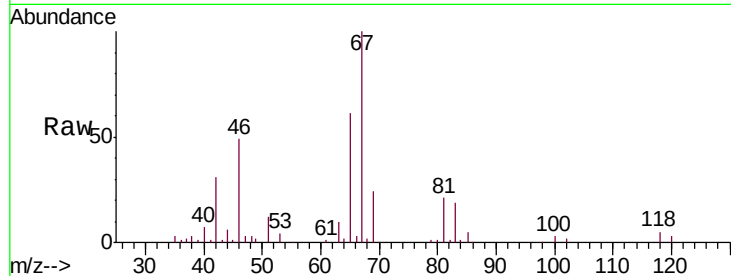




#37  
 1,2-Dichloropropane  
 Concen: 0.498 ug/L  
 RT: 6.34 min Scan# 1606  
 Delta R.T. -0.10 min  
 Lab File: VU028173.D  
 Acq: 15 Nov 2018 15:51

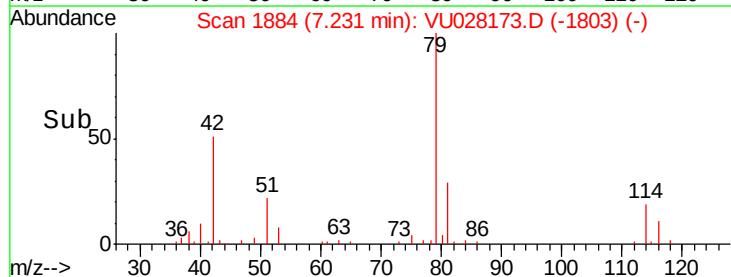
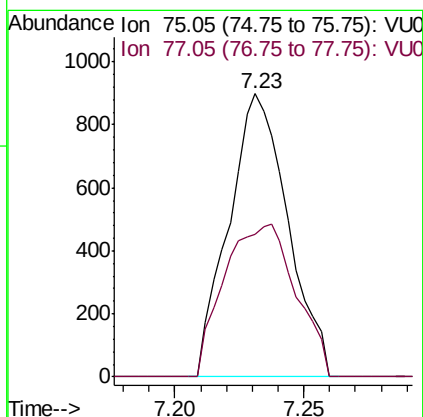
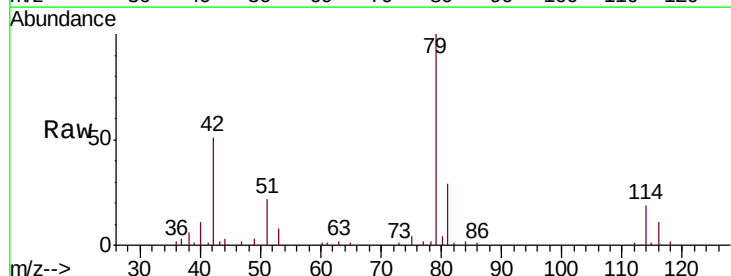
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9C17

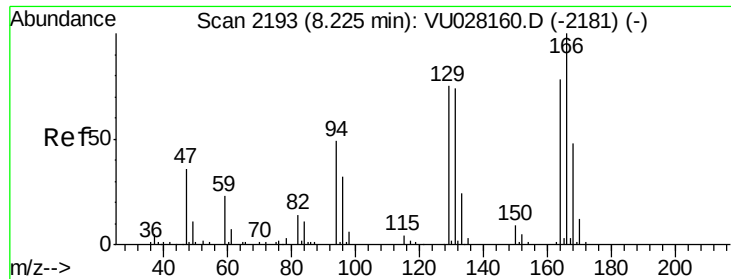
Tgt Ion: 63 Resp: 7778  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.2 3.4#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.068 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU028173.D  
 Acq: 15 Nov 2018 15:51

Tgt Ion: 75 Resp: 1434  
 Ion Ratio Lower Upper  
 75 100  
 77 50.2 20.9 38.9#





#47

Tetrachloroethene

Concen: 0.184 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028173.D

Acq: 15 Nov 2018 15:51

Instrument :

MSVOA\_U

ClientSampleId :

F9C17

Tgt Ion:164 Resp: 2092

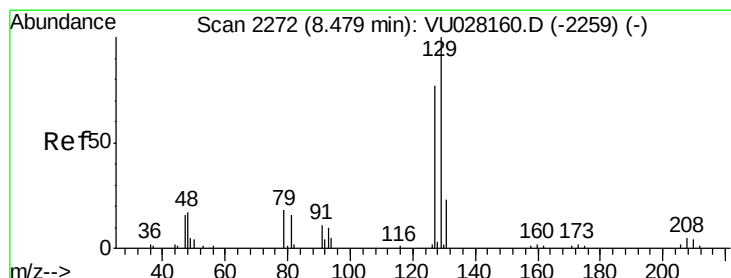
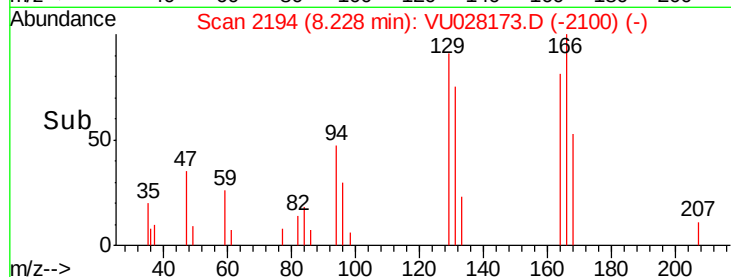
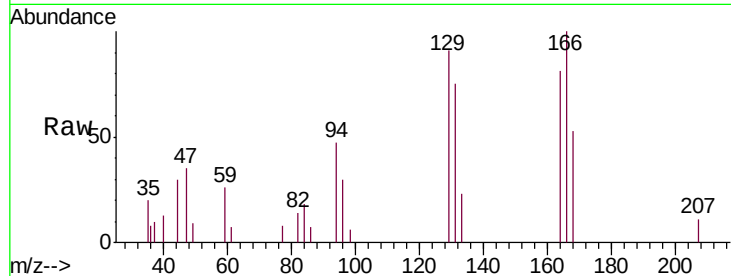
Ion Ratio Lower Upper

164 100

129 112.3 69.7 129.4

131 91.5 64.0 118.8

166 122.8 86.4 160.4



#49

Dibromochloromethane

Concen: 0.216 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028173.D

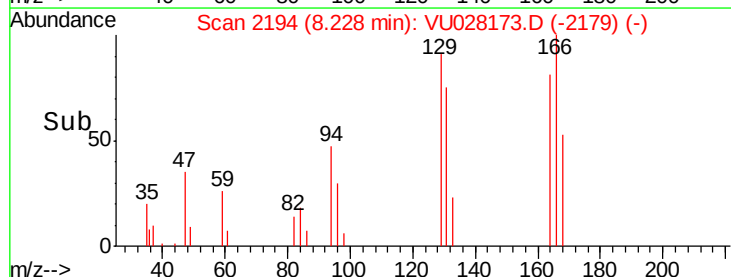
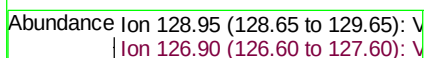
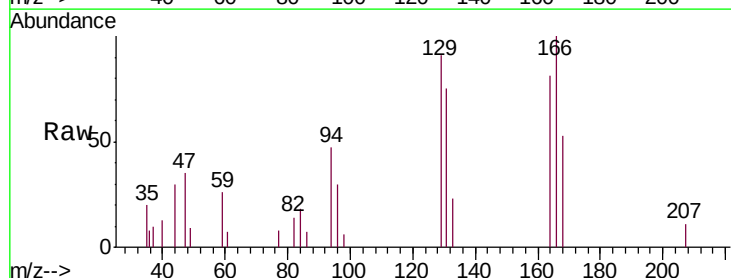
Acq: 15 Nov 2018 15:51

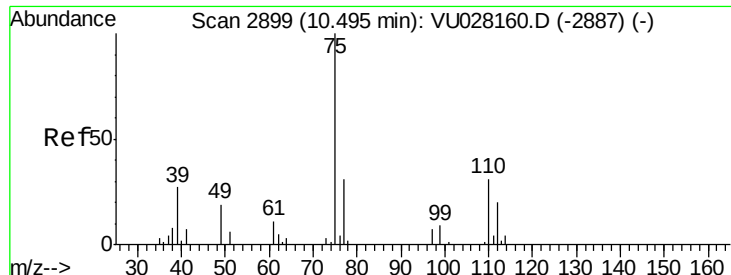
Tgt Ion:129 Resp: 2173

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#





#59

1,2,3-Trichloropropane

Concen: 1.319 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028173.D

Acq: 15 Nov 2018 15:51

Instrument :

MSVOA\_U

ClientSampleId :

F9C17

Tgt Ion: 75 Resp: 11586

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.0

